The Relationship Between The 1990 Census and Census 2000 Industry and Occupation Classification Systems

Technical Paper #65

Issued October 2003

TP-65

Prepared By
Thomas S. Scopp

Under Contract with the
U.S. Census Bureau

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U.S. Department of Commerce
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U.S. CENSUS BUREAU

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Number 43-YA-BC-265775

October 30, 2003

TABLE OF CONTENTS

Technical Report: The Relationship Between the 1990 Census and Census 2000 Industry and Occupation Classification Systems Technical Paper #65

Page

Introduction ……..... 1
History ……...…… 2
Revisions to the Industrial Classification……...…… 3
Revisions to the Occupational Classification……...…... 5
Creation of the Crosswalks……...…... 6
Data Highlights……...…12
Accuracy and Reliability of the Data…….....14
Sources of Industry and Occupation Data……..…15
Appendices (list) …….. 16

Appendix A: 1990 Census Industrial Classification …….……17
Appendix B: 1990 Census Occupational Classification …….……. 25
Appendix C: Census 2000 Industrial Classification, with NAICS Equivalents ….……. 39
Appendix D: Census 2000 Occupational Classification, with SOC Equivalents ….……47
Appendix E: Bibliography of Related Texts and Reports ……..… ..59
Appendix G: Glossary of Terms and Abbreviations Used in This Paper …….……61

Table 1. 1990 Census Industry Classification System and Its Redistribution into the Census 2000 Industry Classification System.

Table 2. 1990 Census Occupation Classification System and Its Redistribution into the Census 2000 Occupation Classification System.

Table 3. 1990 Census EEO File Occupation Categories and Their Redistribution into the Census 2000 EEO Special File Occupation Categories.

Table 4. 1990 Census STF-4 Industry Groups and Their Redistribution into the Census 2000 SF-4 Industry Groups.

Table 5. 1990 Census STF-4 Occupation Groups and Their Redistribution into the Census 2000 SF-4 Occupation Groups.

Table 6. 1990 Census STF-3 Industry Groups and Their Redistribution into the Census 2000 SF-3 Industry Groups.

Table 7. 1990 Census STF-3 Occupation Groups and Their Redistribution into the Census 2000 SF-3 Occupation Groups.

Table 8. 1990 Census Redistributed Industry Data Compared to Census 2000 Industry Data, Using the Census 2000 Industry Classification.

Table 9. 1990 Census Redistributed Occupation Data Compared to Census 2000 Occupation Data, Using the Census 2000 Occupation Classification.

Table 10. 1990 Census Redistributed Industry Data Compared to Census 2000 Industry Data, Using the Categories Found on Census 2000 Summary Files 3 and 4.

Table 11. 1990 Census Redistributed Occupation Data Compared to Census 2000 Occupation Data, Using the Categories Found on Census 2000 Summary Files 3 and 4.

Template for Converting 1990 Census STF-3 Industry Categories to Census 2000 SF-3 Industry Categories (Revised).

Template for Converting 1990 Census STF-3 Occupation Categories to Census 2000 SF-3 Occupation Categories (Revised).

Instructions for Creating 1990-2000 Industry and Occupation Crosswalks, Using Input to the Industry and Occupation Crosswalk Templates (same as the documents provided earlier this year).

For electronic versions of these items, see the following files:

TechPaper2000Cover.doc	Cover page.
TechPaper2000Contents.doc	This Table of Contents.
TechPaper2000Text.doc	The Technical Report itself, including Appendices.
TechPaper2000Tab1.xls	Table 1.
TechPaper2000Tab2.xls	Table 2.
TechPaper2000Tab3.xls	Table 3.
TechPaper2000Tab4.xls	Table 4.
TechPaper2000Tab5.xls	Table 5.
TechPaper2000Tab6.xls	Table 6.
TechPaper2000Tab7.xls	Table 7.
TechPaper2000Tab8.xls	Table 8.
TechPaper2000Tab9.xls	Table 9.
TechPaper2000Tab10.xls	Table 10.
TechPaper2000Tab11.xls	Table 11.
SF3IndCrossTemplate.xls	Industry Crosswalk Template.
SF3OccCrossTemplate.xls	Occupation Crosswalk Template.

The Relationship Between the 1990 Census and Census 2000 Industry and Occupation Classification Systems

INTRODUCTION

This paper describes the changes in the industry and occupation classification systems used in the 1990 Census of Population and Housing (1990 Census) and the classification systems used in Census 2000. As a result of these changes, many 2000 industry detailed categories and major groups and most 2000 occupation detailed categories and major groups are not comparable to similar categories and groupings in the 1990 and earlier censuses.

The Census Bureau provides data on industries and occupations at several different levels of detail on various data products (also called data sets), which change from census to census. For Census 2000 data analysts can find industry and occupation tables on data sets called Summary File (SF)-3, SF-4, the Equal Employment Opportunity (EEO) File, and Public Use Microdata Samples (PUMS). These products are similar to counterparts produced from the 1990 Census. Some of these 1990 and 2000 products are available on the Census Bureau's website called *American FactFinder* (see www.census.gov).

For Census 2000 the tables found on SF-3 present the industry and occupation data in very aggregated groupings. These tables include "profiles," which show only 13 industry and 6 occupation groups, and "detailed tables," which show 20 industry and 33 occupation groups. In the SF-4 tables the level of detail increases to 90 unique industry and 93 unique occupation categories. The EEO File and "5-percent" PUMS provide data for 471 detailed occupation categories, and finally, the "1-percent" PUMS shows the most detail possible: 509 occupations and 265 industries. For more information about these Census 2000 products and how they compare to their 1990 counterparts, see "Sources of Industry and Occupation Data" below.

Even though the *American FactFinder* and other sources provide data for both the 1990 Census and Census 2000, data analysts cannot compare the industry and occupation categories directly across the two census years. The wording of the categories is different, and, even when the words *appear* to be the same, the definitions of the categories are sometimes different. For example, major parts of "Retail trade" and "Entertainment and recreation services" were defined differently in 1990 than in 2000, even though these words appear in industry tables from both censuses. As another example, "Managers" and "Farming occupations" were defined differently in 1990 than in 2000, even though these words appear in occupation tables from both censuses. These differences were caused by the revisions to the North American Industry Classification System (NAICS) and to the Standard Occupational Classification (SOC). The Census 2000 industry and occupation categories were derived from these two standard classifications, respectively. See the "History" section below for more details.

This report is designed to help analysts compare 1990 and 2000 census data from any of these data products by quantifying the relationship between the two sets of classification systems. Included are detailed tables called "crosswalks," which show the proportional flows for individual industry and occupation categories between the two census years, and tables comparing the different groupings found on SF-3, SF-4, the EEO File, and the PUMS. The Census Bureau derived these proportions from a sample

of actual responses from the 1990 Census and from the *Census 2000 Classified Index of Industries and Occupations*. See the section on the "Creation of the Crosswalks" for more information.

The crosswalks in this report enable analysts to convert the 1990 data at any level of detail into the newer Census 2000 classifications. In theory, it is also possible to convert the 2000 categories into those for 1990 in order to make reverse comparisons over time. This paper does not provide the means to do this reverse conversion for two reasons. First, the conversion factors used in these crosswalks were based on a sample of cases from each category in the 1990 Census; these records were re-coded into the 2000 classifications. This sample, however, did not provide enough cases for each 2000 category (especially for occupations) to make an accurate and meaningful conversion from 2000 back to 1990. Second, the Census Bureau prefers to move forward to the present and express the labor force of 1990 in 2000 terms, since Census 2000 is more up-to-date.

Ideally, different crosswalks could be created based on many different variables, including geography, sex, and race. For example, changes in industrial and occupational distributions are different in New York compared to Kansas, and are different for men and women. To create many different crosswalks depending on all characteristics, however, would require a very large sample controlled for all these variables. Neither financial nor human resources are available to create and analyze such a large sample. For this reason, all the crosswalks shown in this paper are national in scope and treat both sexes and all races equally.

Nevertheless, data users may want to do similar comparisons for sub-national geographic areas, such as states, counties, etc., especially for large groupings of industries and occupations such as those shown on Census 2000 SF-3. For this reason, the Census Bureau is also providing SF-3 “Templates,” which contain the conversion factors used to create the U.S. crosswalks that accompany this paper. Using these Templates, data users can apply national conversion factors to any 1990 industry or occupation data from SF-3. Data users, however, will have to apply the same conversion factors and distributions to all levels of geography, both sexes, and all other characteristics, even though this is not a perfect method for comparing industry and occupation data in all circumstances.

HISTORY

From 1940 to 1990, the basic structure of the industry classification system used in the censuses of population was generally the same. The census system in each of these years was based on the structure of the Standard Industrial Classification (SIC) updated during each decade and used throughout the federal government during that time period. The occupation classification system had a similar structure from 1940 to 1960. For 1970 the occupation classification was enlarged by almost 50 percent from 297 categories in 1960 to 441 categories in 1970 because of requests from data users for more detail. The 1980 system had 503 categories, an increase of 14 percent from 1970. The 1980 occupation classification also was a major departure from earlier censuses because of the adoption of the Standard Occupational Classification (SOC) by federal agencies, which became the model for the 1980 census classification. The 1990 system had 501 categories, also based on the 1980 SOC. There was not much change, therefore, between the 1980 and 1990 census occupational classifications. The Census Bureau has from time to time published technical papers containing crosswalk tables that convert the industry and occupation data from one of these past censuses to the classification systems of the previous or subsequent census.[1]

[1] Previous examples are Census Bureau Technical Paper 59: *The Relationship Between the 1970 and 1980 Industry and Occupation Classification Systems* (issued February 1989); Technical Paper 26: *1970 Occupation and Industry Classification*

After 1990, however, the crosswalks provided in this paper became necessary even more than in previous censuses, because for the first time both the standard industry and occupation classifications underwent major revisions in the same decade. The 1987 Standard Industrial Classification (SIC) was replaced in 1997 by the North American Industrial Classification System (NAICS), and the 1980 Standard Occupational Classification (SOC) was replaced in 1998 by a completely revamped SOC. The 1998 SOC then evolved into a slightly modified update in 2000. The 1997 NAICS and 2000 SOC, respectively, provided the structure for the Census 2000 Industry and Occupation Classifications. The major differences between the 1997 NAICS and 2000 SOC and their previous counterparts became equally major differences between the 1990 Census and Census 2000 classifications. When data users look at census data from 1990 to 2000, therefore, they are faced with apparent changes in the industrial and occupational distributions of the workforce that are due more to classification revisions than to real changes in the workforce itself. Data users need ways to sort out the classification revisions from the real changes. The crosswalks provide them with the means to do so.

REVISIONS TO THE INDUSTRIAL CLASSIFICATION

As mentioned above, the Census 2000 industrial classification system was based on the structure of the 1997 NAICS. The NAICS replaced the previously used SIC because rapid changes in the U.S. and world economies brought the SIC under increasing criticism. In July 1992, the Office of Management and Budget (OMB) established the Economic Classification Policy Committee (ECPC), and charged it with a "fresh slate" examination of economic classifications for statistical purposes. The ECPC ultimately joined with representatives from Mexico and Canada to develop the NAICS.

The NAICS provides common industry definitions and replaces the previous industrial classifications for all three North American countries. It groups establishments into industries based on the activities in which they are primarily engaged. It is a comprehensive system covering the entire field of economic activities, producing and non-producing. Two classification principles that had the most impact on the differences between the SIC and NAICS are as follows[2]:

1. NAICS was erected on a production-oriented or supply-based conceptual framework. This means that producing units that use identical or similar production processes are grouped together in the NAICS.

2. The system gives special attention to developing production-oriented classifications for (a) new and emerging industries, (b) service industries in general, and (c) industries engaged in the production of advanced technologies.

The resulting NAICS arranged industries into 20 sectors, compared to 10 divisions used by the 1987 SIC, and 1,170 detailed categories for the United States. The Census Bureau then aggregated these detailed NAICS categories into 265 detailed census categories within the same 20-sector framework of the NAICS.

Systems in Terms of Their 1960 Occupation and Industry Elements (issued July 1972); and Technical Paper 18: *Changes Between the 1950 and 1960 Occupation and Industry Classification* (issued 1968).

[2] See Bernan Press: *North American Industry Classification System, United States, 1997* (published 1998).

In the change from the 1990 Census to the Census 2000 industrial classification, there were many detailed categories and parts of detailed categories that shifted between the 1990 and 2000 published data. The people in these categories, in effect, "moved" from one category to another as a result of classification change, rather than due to a real change in the workforce. The adjustments made to the 1990 data in this paper account for these movements of people in these categories, and thereby make the 1990 data comparable to the 2000 data.

The following are some major differences between the 1987 SIC and 1997 NAICS, which in turn are reflected as major differences between the 1990 and 2000 census data:

1. The category "Landscape and horticultural services" was part of the group "Agriculture, forestry, and fishing" in the 1990 classification. Most of the people in this category went to "Landscaping services," which is part of the "Administrative, support, and waste management services" sector in the 2000 classification.

2. The categories for "Newspaper publishing and printing" and other publishing industries were part of the "Manufacturing, nondurable goods" group in 1990. Most of the people in these industries went to "Newspaper publishers" and "Publishing except newspapers and software," which are part of the "Information" sector in 2000.

3. People working in travel agencies and bureaus went from the "Transportation" group in 1990 to the "Administrative, support, and waste management" sector in 2000.

4. The "Communications and other public utilities" group in 1990 split primarily into two sectors in 2000: "Utilities" and "Information."

5. The category "Eating and drinking places" was part of "Retail trade" in 1990. Most of the people in this category went to "Restaurants and other food services" and "Drinking places, alcoholic beverages," both of which are part of the "Accommodation and food services" sector in 2000.

6. The "Finance, insurance, and real estate" group in 1990 split primarily into two sectors in 2000: "Finance and insurance" and "Real estate, and rental and leasing."

7. The 1990 group "Business and repair services" split into many parts in the 2000 classification. Many people shifted from this 1990 group into the 2000 sectors "Information," "Professional, scientific, and technical services," "Administrative, support, and waste management services," and "Other services (except public administration)."

8. The "Personal services" group in 1990 split primarily into two sectors in 2000: "Administrative, support, and waste management services" and "Other services."

9. The category "Theatres and motion pictures" was part of the "Entertainment and recreation services" group in 1990. Most of the people in this category went to "Motion pictures and video industries," "Sound recording industries," and "Radio and television broadcasting and cable," all of which are in the "Information" sector in 2000.

10. The 1990 group "Other professional and related services" split into many parts in the 2000 classification. Many people shifted from this 1990 group into the 2000 sectors "Arts,

entertainment, and recreation," "Health care and social assistance," "Professional, scientific, and technical services," and "Other services."

REVISIONS TO THE OCCUPATIONAL CLASSIFICATION

The Census 2000 occupational classification system was based on the structure of the 2000 SOC. The 2000 SOC replaced the 1980 SOC to reflect the dramatic changes in the nation's labor force over the previous two decades. In 1994, the OMB established the Standard Occupational Classification Revision Policy Committee (SOCRPC), and charged it with identifying the major statistical uses of occupational classifications, and creating a classification system that reflects the current occupational structure in the United States. More than 15 federal government agencies participated in this process.

Like the 1980 SOC, the new classification covers all occupations in which work is performed for pay or profit, including work performed in family-operated enterprises by family members who are not directly compensated. Occupations are classified based on work performed and on required skills, education, training, and credentials[3]. The SOCRPC decided, however, to rearrange the entire structure of the classification rather than to start with the old SOC and simply try to make improvements. For the new SOC, the SOCRPC chose to arrange the world of work into "job families," in which people who work together are classified together. The end result was truly a major change from the past.

The principle behind the concept of "job families" in the new SOC was to place people who worked together in the same group, regardless of their skill levels. Based on this concept, many occupations that used to be called professionals and technicians now appear together in the same group. For example, physicians, registered nurses, and medical laboratory technicians are all in the same SOC and census major group in 2000. This arrangement differs from that of the old SOC, where these levels of occupations were separate.

On the other hand, while first-line supervisors are found in the same major groups as the workers they supervise, higher management levels are not. Managers are in their own major group. For example, farm managers and self-employed farmers are now under the group for "Managerial occupations" instead of the group for "Farming, fishing, and forestry occupations," where they were classified in the past.

The resulting 2000 SOC arranged occupations into 23 major groups, compared to 22 divisions used by the 1980 SOC, and 821 detailed categories. The Census Bureau then aggregated these detailed SOC categories into 509 detailed census categories within the same 23-major group framework of the SOC.

In the change from the 1990 Census to the Census 2000 occupational classification, there were many detailed categories and parts of detailed categories that shifted between the 1990 and 2000 published data. The people in these categories, in effect, "moved" from one category to another as a result of classification change rather than due to a real change in the workforce. The adjustments made to the 1990 data in this paper account for these movements of people in these categories, and thereby make the 1990 data comparable to the 2000 data.

The following are some of the major differences between the 1980 and 2000 SOC, which in turn are reflected as major differences between the 1990 and 2000 census data:

[3] See Bernan Associates: *Standard Occupational Classification Manual: 2000*; October 2000.

1. There is an increased number of occupations formerly called "professional" and "technical," especially healthcare and computer-related occupations; the professional and technical occupations are classified together within major groups rather than kept separate from each other.

2. There is an increase in management and service-related occupations.

3. Conversely, there is a decrease in the number of clerical, maintenance, and production occupations.

4. There is no longer a distinction between officials/managers in public administration and managers in the private sector.

5. Farmers and farm managers are now with management occupations rather than with other farming occupations.

6. There is no longer a separate group for private household workers; they are now in different groups with similar occupations.

7. Helpers are now in the same major groups as the occupations they help.

CREATION OF THE CROSSWALKS

General Approach

There are two basic methods for creating crosswalks that we can use to examine the flows from each industry and occupation code in one classification, e.g., 1990, into each code in the other classification, e.g., 2000.

One helpful way to look at these flows is to examine the industry and occupation "titles" found in the *Alphabetical and Classified Indexes of Industries and Occupations* published for both censuses. The matching of industry and occupation titles provides information about the intended, or "ideal," changes from each industry and occupation code of one classification into each industry and occupation code of the other classification. Coding error is minimal. However, this matching does not provide data on the distribution of actual *people* being moved from one category to another.

The other method is to "double-code" a sample of census data into both the 1990 and 2000 industry and occupation classifications. This process puts each person in the sample into both classification sets. This process thereby provides information on the proportion of actual workers that went from one census category into another. But unfortunately, any coding process involves coding error. In both censuses, these errors average about 7-8 percent for detailed industry codes, and 10-12 percent for occupation codes. These errors contaminate the comparisons across classifications, because they create false combinations of 1990 and 2000 codes.

Given that both the double-coded samples and the index titles methods have advantages and disadvantages by themselves, therefore, the crosswalks presented in this paper attempt to merge the best of both methods. The Census Bureau used information from both sources to calculate conversion factors,

apply those factors to census data from the 1990 Census categories, make those categories comparable to the Census 2000 categories, and redistribute the 1990 data based on these factors.

Census 2000 Classified Indexes

For every census the Census Bureau has maintained lists of very detailed industry descriptions and occupation titles in its *Alphabetical and Classified Indexes of Industries and Occupations*. The indexes developed for Census 2000 contain more than 21,000 industry lines and 31,000 occupation lines. Each index was an update of the corresponding index from the previous census; for each census, obsolete industries and occupations were removed, and new ones were added.

Because the 2000 indexes were derived from the 1990 versions, therefore, all the industry and occupation titles that carried over from 1990 to 2000 contained both the 1990 and 2000 census codes. In effect, each of these industry and occupation lines was "double-coded" into both census classifications. This process is similar in concept to the "double-coding" described above for a sample of census responses.

The classified indexes sort the industry and occupation lines by census code. Before Census 2000 was conducted, the Census Bureau cross-tabulated the number of lines assigned to each 1990 census code by the number of lines assigned to each 2000 census code. The resulting matrix provided a first look at the distributions of each 1990 code into the new 2000 classification systems, and vice versa.

When Census Bureau staff examined the 1990-2000 distributions in this matrix, they found a number of anomalies. That is, some lines assigned to a 1990 code were apparently going to 2000 categories that were logically inconsistent with the 1990 categories. This examination uncovered errors in the indexes that the Census Bureau could correct before using those materials for processing actual census responses. Once the appropriate index lines were corrected, the cross-tabulation of 1990 by 2000 codes was re-done. The result was a set of "crosswalks" of detailed industries and occupations **expected** to go from each 1990 category to each 2000 category.[4]

We use the word "expected" here because three situations could have an effect on the actual distributions of industries and occupations between census classifications in tabulated data:

1. The crosswalks based on the index show the distribution of industry and occupation **titles**, but not necessarily the distribution of **people** using those titles. For example, the index might show that half of the titles for a specific 1990 occupation category went to a new 2000 category (and the other half went to a different 2000 category). But if one of those occupation titles was very common and was actually reported by 90 percent of the people in the 1990 category, then a far greater percentage than 50 percent of the people in the 1990 category went to the new (first) 2000 category. Example 2 for Table 2 under the section "Explanation of the Tables," below, provides a real example of how the distribution of people can differ from the distribution of occupational titles for the same 1990 category.

2. The index crosswalk was based only on industry and occupation titles that were common to both the 1990 and 2000 indexes. New lines added to the 2000 indexes were not coded back to the 1990 classifications. Therefore, people who reported one of the new titles could get a 2000 code that

[4] The crosswalk of occupation index titles is available from the Census Bureau as an Access database. This database provides tables that show the distributions of occupation titles from the 1990 Census classification to the SOC to the Census 2000 classification, and vice versa.

would have been assigned to an "unexpected" 1990 category if the title had existed in the 1990 index.[5]

3. The 2000 occupation index was affected by changes to the 2000 industry classification that occurred, in turn, as a result of the new NAICS. Many occupational titles can go to different occupation categories, depending on the industry in which that occupation is found. For example, a "chaser" in the logging industry goes to a different occupation category ("logging workers") than a "chaser" in a finance company (the category for "bill and account collectors"). The assignment of these titles from the index depends, therefore, on what the Census Bureau calls "industry restrictions" provided for each line in the index. Changes to these industry restrictions caused by changes in the NAICS had subtle effects on the distributions between 1990 and 2000 occupation categories that are not always reflected in the occupation index crosswalks.

In addition to showing the number of lines in the indexes going from one category to another, the index crosswalks also computed the expected percentage of each 1990 category going to each 2000 category. These distributions of numbers and percentages provided information that helped determine the accuracy of the double-coding of the sample of 1990 industry and occupation responses, as described below.

Double-coded 1990 Census Sample

The 1990 Census Sample used for this project was selected so that it would contain at least 200 records for each 1990 3-digit industry and occupation code assigned to the "experienced civilian labor force (ECLF)." The experienced civilian labor force, for purposes of this analysis, consists of all non-military individuals who were either employed or unemployed at the time of the census enumeration, and who provided a description of their current job, or (if unemployed) their most recent job held in the 5 years prior to the census.

Some small occupation categories had fewer than 200 people coded nationwide, so all records for those codes were taken. Each individual code, therefore, had a sample that represented all the people in the ECLF assigned to that code in the 1990 census. The entire sample contained 146,686 records, of which 48,784 were used for the analysis of the industry classifications, and 97,902 were used for analyzing the occupation classifications.

Each record contained the industry and occupation codes originally assigned in the 1990 Census. Over the next 10 years, all the records in sample were re-coded several times, still using the 1990 classifications, by the Census Bureau's current survey coders and Census 2000 coders in its Jeffersonville, Indiana Processing Office (the National Processing Center, or NPC), and by staff in the Census Bureau's headquarters in Suitland, Maryland. For each record in sample, the "majority code," in other words, the industry or occupation code assigned most frequently among the multiple codes, was considered "correct" for initial analysis purposes.

The Census 2000 coding staff at the NPC then re-coded each record in sample twice using the Census 2000 classifications. Lack of resources at the time prevented a third coding, which would have provided a

[5] Note that in every census a code is assigned to every response, even if the respondent's specified industry or occupation is not listed in the index. Sometimes coding staff can derive a code from other information that the respondent provides, or simply from an educated judgment. In census processing, this kind of coding-with-judgment is usually performed in a step called "problem referral."

"majority" choice in most cases when coders assigned different codes to the same records. So the first of the two codes assigned was used for initial analysis purposes.

The selected 1990 and 2000 codes were then cross-tabulated against each other, creating a matrix of 1990-by-2000-code combinations similar in concept to the cross-tabulation of codes assigned to the index lines described in the section above. The distributions of responses to these 1990-by-2000 combinations were then compared to their 1990-by-2000 counterparts created from the 2000 classified index.

These comparisons exposed the fact that coding errors can contaminate the analysis of changes in the labor force from the 1990 classifications to the 2000 systems. Remember that the index crosswalks provided a set of expected changes from 1990 to 2000. The distributions of actual responses, however, often did not match the expected distributions as measured by the index. Many combinations of 1990 and 2000 codes appearing in the 1990 Census Sample did not appear at all in the index crosswalk, and made no logical sense together.

Census Bureau staff identified and examined many of the worst discrepancies between the two sets of distributions. Once again, this examination revealed errors in the index that caused coding errors, but were not caught in the original review of the index described above. Fortunately, this first review of the Census Sample occurred before the Census 2000 processing, so the indexes could be repaired in time for the actual census. At the same time, these coding errors plus others that were not caused by the index were corrected in the 1990 Census Sample.

After the census was completed, staff revisited the 1990 Census Sample and once again compared its 1990-2000 distributions (after the revisions resulting from the first review) to those found in the index crosswalks. This comparison instigated a second review of the sample, particularly for those 1990 codes that showed the largest discrepancies between the sample and the index. Over 18,000 of the 146,000+ records in sample were reviewed. This examination led to the correction of more coding errors, and to the deletion of records containing responses that were judged to be too vague to code accurately. Most of these deletions had no clear "majority" among the multiple codes assigned over the years since 1990. Altogether, over 5300 records were corrected or deleted.

Calculation of the Conversion Factors

Because the index crosswalk represented the expected distribution of the 1990 categories into the 2000 classifications, this source became the starting point for determining which 1990 to 2000 code combinations were "legitimate." In other words, the starting assumption was that the combination of 1990-2000 codes among the index titles ideally should drive the assignment of those codes to actual census responses.

This assumption, therefore, initially eliminated records in the 1990 Census Sample that contained 1990-2000 code combinations that did not appear in the index crosswalk. In other words, the corollary to this assumption was that any records in the 1990 Census Sample that did not contain a "legitimate" 1990-2000 code combination must contain coding errors that make the records ineligible for inclusion in the computation of conversion factors. The factors used to adjust or redistribute the 1990 tabulated data into the 2000 classifications should not make non-logical conversions based on errors in the sample that created those factors.

The second review of the 1990 Census Sample, however, revealed exceptions to this assumption. As described above in the section about the 2000 Classified Indexes, there are legitimate reasons why 1990-2000 code combinations can appear in a sample of responses that do not appear in the indexes of industry and occupation titles. When the review uncovered these exceptions, the records containing those exceptions were restored to the sample, and their 1990-2000 code combinations were deemed "legitimate," after all.

Using the revised list of legitimate 1990-2000 code combinations, the 1990 Census Sample records for each 1990 code containing these combinations were used to re-tabulate the percentages of each 1990 category going to each 2000 category. These percentages became the conversion factors applied to the entire 1990 ECLF as shown in the tables that accompany this paper.

To a large extent, the analysis of the occupation data shown in this study followed up on a similar analysis done by staff at the Bureau of Labor Statistics (BLS),[6] who used the same double-coded index of occupations, and the earlier version of the double-coded 1990 occupation sample before the last round of corrections to the sample. Their methodology eliminated many more combinations of 1990 and 2000 codes, particularly when the sample providing those combinations was very small. The final conversion factors shown in this Census Bureau report are much more detailed, and sometimes differ substantially from those shown in the BLS study.

Explanation of the Tables

Tables 1-3 and 8-9 in this report show 1990 census data for the total civilian labor force in terms of the 1990 and 2000 census classification structures. Tables 4-7 and 10-11 show data for the employed. The conversion factors described above are reflected in all the tables, even those that do not display the detailed factors.

Tables 1 and 2 include all the categories assigned to the labor force in each census:

1990 industry: 236
2000 industry: 265
1990 occupation: 501
2000 occupation: 509

Table 1 shows the number of people from the 1990 ECLF in each 1990 detailed census industry category, the number of these people that would be assigned to each 2000 detailed census industry category, and the conversion factors that led to this redistribution of each 1990 category to each 2000 category. Table 2 is the corresponding occupation table. These tables display both a code and a description of each category for both censuses.

Example 1 (Table 1). 1990 Census industry category 272, "Primary aluminum industries (manufacturing)" split into two Census 2000 categories: 73.3 percent went to 2000 category 268, "Aluminum production and processing," and 26.7 percent went to category 277, "Foundries."

Example 2 (Table 2). 1990 Census occupation category 106, "Physicians' assistants," split into three Census 2000 categories: 35.4 percent went to 2000 category 311, "Physician assistants," 41.7 percent

[6] Eck, Alan: Memorandum to Tom Nardone, "Observations on 2000 Census of Population based occupational employment estimates." Bureau of Labor Statistics internal report, January 24, 2002.

went to category 340, “Emergency medical technicians (EMTs) and paramedics,” and 22.9 percent went to category 365, “Medical assistants and other healthcare support occupations.” Note that this is a good example of a 1990 category for which the 1990 double-coded sample provided a different distribution of **people** than the census index provided of occupational **titles**. The index predicted a 60-20-20 percent distribution of the 1990 Census category 106 to Census 2000 categories 311, 340, and 365, respectively. But the 1990 sample revealed that a much larger proportion of people (41.7 versus 20 percent) in this 1990 category described themselves as EMTs or paramedics instead of as physician assistants, which put them in Census 2000 category 340 instead of 311.

When only one 2000 category appears for a 1990 category in Table 1 and 2, then that entire 1990 category went into a single 2000 category. The conversion factor is 100 percent. Note, however, that the two categories may not necessarily be exactly equivalent. In other words, even though an entire 1990 category went into a single 2000 category, the reverse may not be true. For example, two 1990 categories could merge into one 2000 category; in this example the 2000 category would be equivalent to the combination of the two 1990 categories.

Example 3 (Table 1). 1990 Census industry category 011, “Agricultural production, livestock” went entirely (100 percent) into Census 2000 category 018, “Animal production.” Note, however, that the reverse is **not** true. Most of 2000 category 018 came from 1990 category 011, but some of it came from 1990 category 030, “Agricultural services, n.e.c.,” and from category 032, “Fishing, hunting, and trapping.”

Example 4 (Table 2). 1990 Census occupation category 003, “Legislators,” went entirely (100 percent) into Census 2000 category 003, “Legislators.” The 1990 and 2000 categories, in this example, are truly equivalent: all of the 1990 category went to one 2000 category and the 2000 category came entirely from the one 1990 category. This, by the way, is the only category where the code (003) is the same for both censuses.

To help analysts sort out those categories that are the most comparable from 1990 to 2000, the last column in Tables 1 and 2 may show a code from 1 to 3 that designates the following levels:

1 = Directly comparable (conversion factor = 100 percent); 96 of the 236 1990 industry codes and 180 of the 501 1990 occupation codes got this score.

2 = Estimated to be 95-99.99 percent comparable; 46 industry and 82 occupation codes got this score.

3 = Estimated to be 90-94.99 percent comparable; 28 industry and 40 occupation codes got this score.

The code will appear on the lines that display the code combinations with conversion factors equal to 90 percent or higher.

Table 3 is very similar to Table 2, but the 501 occupation categories shown on the 1990 Census Equal Employment Opportunity (EEO) File are distributed into only the 471 civilian occupation categories shown on the Census 2000 EEO File and 5% PUMS (plus one more category for the unemployed who were not classified by occupation). For Census 2000 the smallest of the 505 detailed civilian occupation categories had to be aggregated into the 471 to avoid the possible disclosure of information about individual respondents. The “smallest” categories are defined as those with fewer than 10,000 people coded nationwide in 2000.

Example 5 (Table 3): For the EEO File and the 5% PUMS, three detailed categories shown in Table 1, 121 – "Mathematicians," 123 – "Statisticians," and 124 – "Miscellaneous mathematical occupations," were combined into one aggregate category, also numbered 124 – "Miscellaneous mathematical science occupations, including mathematicians and statisticians." As a result, Table 3 shows that the 1990 Census category 067, "Statisticians," goes entirely (100 percent) into the Census 2000 aggregate category (124). This is a different result from that shown in Table 1, which displays all the detailed categories without any aggregation. For this report, aggregate category codes are shown in parentheses, such as (124), to distinguish them from the detailed categories with the same numeric code.

Tables 4 and 5 convert the 72 industry categories and 94 occupation categories found on the 1990 product called STF-4 to the 90 industry categories and 93 occupation categories found on the equivalent 2000 product called SF-4.

Tables 6 and 7 convert the 20 industry categories and 13 occupation categories found on the 1990 product called STF-3 to the 20 industry categories and 33 occupation categories found on the equivalent 2000 product called SF-3.

Note: **the conversion factors and numbers shown in Tables 6 and 7 differ from and replace preliminary counterparts that the Census Bureau published on its website early in 2003.** The revisions were due primarily to coding corrections in the double-coded 1990 Census Sample used as the basis for calculating the conversion factors. See the sections above, "Double-coded 1990 Census Sample" and "Calculation of the Conversion Factors," for more details.

Tables 8 and 9 take all the information provided in Tables 1 and 2 for industry and occupation, respectively, redistribute the 1990 detailed categories into the 2000 detailed categories, and present the adjusted 1990 data side-by-side with the Census 2000 data for the same categories. Since the adjusted 1990 data are stated in 2000 terms, the two sets of data are comparable. Tables 8 and 9 also show the percent change in the labor force from 1990 to 2000 for each detailed category, and for every aggregate category, subtotal, and grouping shown in the various Census 2000 files and publications.

Similarly, Tables 10 (industry) and 11 (occupation) take all the information provided in Tables 4 through 7, redistribute the 1990 Census groupings found on Summary Tape Files 3 and 4 into the Census 2000 groupings found on Summary Files 3 and 4, and present the adjusted 1990 data next to the comparable Census 2000 data for the same categories. Note that these tables present data for the employed instead of the total civilian labor force. Since these figures are derived from Tables 4 through 7, they also reflect revisions made to the conversion factors since similar data appeared on the Census website early in 2003.

DATA HIGHLIGHTS

The data in this section come from Tables 8 and 9. These tables show that the number of people in the civilian labor force increased by 11.5 percent from 123.5 million in 1990 to 137.7 million in 2000. Industries and occupations showing a percent increase significantly larger than 11.5 percent, therefore, grew at a faster rate than average. The following are highlights of the industry and occupation categories that showed the most change from 1990 to 2000, after adjusting the 1990 data into the 2000 classifications.

Industry

1. Small, new, and residual categories can be affected the most by definition changes. For example, the industry category showing the largest percent increase is "Other information services" (873.8 percent). This is a residual category (code 878) in the "Information" sector of the 2000 classification that did not exist as a separate category in 1990. It includes long-established industries such as news reporting services, news syndicates, press associations, and wire news services; most of these industries were classified as "Business services" (code 741) in 1990. Many relatively new industries, however, are also included in "Other information services," which may have dramatically swelled the numbers in this 2000 category when compared to 1990. These new industries include internet access providers, online information access services, database information retrieval systems, and other "dot-coms."

2. The industry category with the next largest percent increase is "Management of companies and enterprises" (547.1 percent). This category is a brand new sector created in the 1997 NAICS. It is supposed to comprise business establishments that hold the securities of companies for the purpose of owning a controlling interest, and establishments that administer, oversee, and manage their overall company or enterprise. This category did not exist as a separately identified category or group in the 1990 Census. In both the 1990 Census and in Census 2000, respondents tended not to provide the kind of information needed to distinguish workers in the management establishment of a larger corporation or enterprise from those that work in the production or service-providing establishments of the same company. As a result, this sector is probably underreported in both censuses, and the apparently huge increase may be an artifact of this underreporting.

3. Other categories with high percentage increases, each doubling or more from 1990 to 2000, were: "Other administrative and other support services" (208.1 percent); "Computer systems design and related services"(199.7 percent); "Home health care services" (136.1 percent); "Professional and commercial equipment and supplies, wholesale" (120.8 percent); "Radio, TV, and computer sales, retail" (103.5 percent); and "Electronic shopping and mail order houses, retail" (102.8 percent).[7]

4. The categories showing the greatest losses, each losing more than 60 percent of its numbers from 1990 to 2000 were: "Resin, synthetic rubber and fibers, and filaments manufacturing" (-76.3 percent); "Electric and gas and other combination utilities" (-67.7 percent); "Metal ore mining" (-64.2 percent); and "Ordnance manufacturing" (-61.1 percent).

Occupation

1. As you might expect, the major occupation group with the largest percent increase from 1990 to 2000 was the one for "Computer specialists," which more than doubled from 1990 to 2000 (122.2 percent increase). Within this group several detailed categories showed huge increases, some over 1000 percent: "Database administrators" (1773.4 percent increase); "Computer support specialists" (1174.9 percent); "Network systems and data communications analysts" (1022.6 percent); "Network and computer systems administrators" (514.8 percent); and "Computer software engineers" (194.5 percent), among others.

[7] Increases and decreases may not be statistically significantly different from each other.

2. Another occupation showing an increase of over 1000 percent was the residual category "Physical scientists, all other" (1131.4 percent). This apparent increase, however, may be more due to a coding anomaly than to a real change in the number of physical scientists. Often in the census, respondents do not provide enough information for accurate assignment to a category. In 1990, if a person said he or she was a "scientist" without specifying exactly what kind of scientist, the response was assigned to a processing step called "problem referral," where a coder had to make a judgment about the correct code to assign, based on the industry or other information provided. These unspecified responses were probably spread among several categories for scientists. In 2000, however, the new SOC and the Census index assigned **all** unspecified scientists to the category for "Physical scientists, all other." This decision to simplify the coding process probably inflated the number of people assigned to the residual category for physical scientists in Census 2000.

3. In the group "Production occupations," a computer-related occupation with a very large increase was "Computer control programmers and operators" (731.5 percent). Although this occupation is not part of the "Computer specialists" major group, many workers in this category develop programs to control machining or processing by automatic machine tools, equipment, or systems. In other words, the change in this occupation category may reflect an increase in the use of robotics and other automated processes in production-type industries, and the need for people who can program and operate those processes.

4. Other categories with high percentage increases, each tripling or more from 1990 to 2000, were: "Financial examiners" (482.8 percent); "First-line supervisors/managers of correctional officers (360.7 percent); "Physician assistants" (356.7 percent)[8]; "First-line supervisors/managers of personal service workers (337.9 percent); and "Industrial production managers" (226.7 percent).

5. Most Census 2000 products do not show data for occupation categories with fewer than 10,000 people nationwide. Among the categories *over* this threshold in 2000, the ones showing the greatest losses from 1990 to 2000 were: "Aircraft structure, surfaces, rigging, and systems assemblers" (-81.1 percent); "Railroad brake, signal, and switch operators" (-69.7 percent); "Textile, apparel, and furnishings workers, all other" (-61.6 percent); and "Textile cutting machine setters, operators, and tenders"(-60.9 percent).

ACCURACY AND RELIABILITY OF THE DATA

As from any sample, the proportions (conversion factors) shown in the comparability tables are subject to sampling error, especially when the numbers for a detailed category are very small. Furthermore, since the base sample is from 1990, it reflects the industrial and occupational composition of the labor force at that time. Because industries and occupations change over time, the sample may be less useful for other time periods. Surveys and other databases may measure the industrial and occupational distribution of the labor force differently from the decennial census. Therefore, although the conversion factors contained in this paper can be used for other data sources, the conversion may not be as accurate as for the data from the 1990 census. Remember also the point described earlier in this paper that these factors will vary in accuracy for each sex, race, geographic area, or other characteristic.

[8] This category includes emergency medical technicians and paramedics.

The data presented in this report are based on a 146,686 case sample of the 1990 census experienced civilian labor force. These data are estimates of the values that would have been obtained if the study had been made on all people in the 1990 experienced civilian labor force.

The deviation of a sample estimate from the average of all possible samples is called the sampling error. The standard error of a survey estimate is a measure of the variation among the estimates from all possible samples and thus, is a measure of the precision with which an estimate from a particular sample approximates the average result of all possible samples. A sample estimate and its estimated standard error may be used to construct confidence intervals about the estimate.

The Census Bureau provides, in many of its reports and in documentations to its data sets, extensive information and formulas that analysts can use to calculate standard errors and confidence intervals. One such source of this information is Chapter 8 in the documentation for Census 2000 Summary File 3. You can find this documentation at http://www.census.gov/prod/cen2000/doc/sf3.pdf.

SOURCES OF INDUSTRY AND OCCUPATION DATA

The Census Bureau's website www.census.gov includes a section called *American FactFinder*, which provides a wealth of data from the last two decennial censuses and from its American Community Survey, which is conducted between the censuses. The following data sets and tables provide industry and occupation data from the decennial censuses.

Note that in all the census products listed here, there is a trade-off between levels of geography and the amount of detail found for industry and occupation categories. For example, Census 2000 SF-3 provides data for very small geographic areas such as census tracts and block groups, but you will find data for only 20 industry and 33 occupation groups. On the other extreme, the Census 2000 1-percent PUMS provides the full detail of 265 industry and 509 occupation categories, but only for very large geographic areas such as entire states, metropolitan areas, and other areas with a minimum population of 400,000.

On *American FactFinder*:

- Census 2000:
  - 2000 Summary File (SF) 3; see:
    - Table DP-3. Profile of Selected Economic Characteristics: 2000
    - Table QT-P27. Occupation by Sex: 2000
    - Table QT-P28. Occupation by Sex – Percent Distribution: 2000
    - Table QT-P29. Industry by Sex: 2000
    - Table QT-P30. Industry by Sex – Percent Distribution: 2000
    - Table P49. Sex by Industry for the Employed Civilian Population 16+ Years
    - Table P50. Sex by Occupation for the Employed Civilian Population 16+ Years
    - Table P51. Sex by Industry by Class of Worker for the Employed Civilian Population 16+ Years
  - 2000 Summary File (SF) 4; see:
    - Table DP-3. Profile of Selected Economic Characteristics: 2000 (with race detail)
    - Table QT-P27. Occupation by Sex: 2000 (with race detail)
    - Table QT-P28. Occupation by Sex – Percent Distribution: 2000 (with race detail)
    - Table QT-P29. Industry by Sex: 2000 (with race detail)
    - Table QT-P30. Industry by Sex – Percent Distribution: 2000 (with race detail)

Table P85. Sex by Industry for the Employed Civilian Population 16+ Years
Table P86. Sex by Occupation for the Employed Civilian Population 16+ Years
Table P87. Sex by Industry by Class of Worker for the Employed Civilian Population 16+ Years

1990 Census:
1990 Summary Tape File (STF) 3; see:
Table DP-3. Labor Force Status and Employment Characteristics: 1990
Table P077. Industry
Table P078. Occupation

Other products available from the Census Bureau:
Census 2000:
2000 EEO Special File: all tables[9]
2000 5-percent Public Use Microdata Samples (PUMS)
2000 1-percent Public Use Microdata Samples (PUMS)
1990 Census:
1990 Summary Tape File (STF) 4; see:
Table PB61. Sex by Industry
Table PB62. Sex by Industry by Class of Worker
Table PB63. Sex by Occupation
1990 EEO File: all tables
1990 5-percent Public Use Microdata Samples (PUMS)
1990 1-percent Public Use Microdata Samples (PUMS)

APPENDICES

The following appendices provide more information related to this paper.

Appendix A: 1990 Census Industrial Classification
Appendix B: 1990 Census Occupational Classification
Appendix C: Census 2000 Industrial Classification, with NAICS Equivalents
Appendix D: Census 2000 Occupational Classification, with SOC Equivalents
Appendix E: Bibliography of Related Texts and Reports
Appendix G: Glossary of Terms and Abbreviations Used in This Paper

[9] The Census Bureau produced the Census 2000 EEO Special File as a "special tabulation" under contract with a consortium of four other federal agencies. For more information about the content and development of this file, see the documentation provided with this product.

APPENDIX A.
1990 CENSUS OF POPULATION INDUSTRIAL CLASSIFICATION SYSTEM

(Numbers in parentheses are the 1987 SIC codes)

1990 CENSUS CODE

AGRICULTURE, FORESTRY, AND FISHERIES

010 Agricultural production, crops (01)
011 Agricultural production, livestock (02)
012 Veterinary services (074)
020 Landscape and horticultural services (078)
030 Agricultural services, n.e.c. (071, 072, 075, 076)
031 Forestry (08)
032 Fishing, hunting, and trapping (09)

MINING

040 Metal mining (10)
041 Coal mining (12)
042 Oil and gas extraction (13)
050 Nonmetallic mining and quarrying, except fuels (14)

060 **CONSTRUCTION** (15, 16, 17)

MANUFACTURING

Nondurable Goods

Food and kindred products
100 Meat products (201)
101 Dairy products (202)
102 Canned, frozen, and preserved fruits and vegetables (203)
110 Grain mill products (204)
111 Bakery products (205)
112 Sugar and confectionery products (206)
120 Beverage industries (208)
121 Miscellaneous food preparations and kindred products (207, 209)
122 Not specified food industries
130 Tobacco manufactures (21)
Textile mill products
132 Knitting mills (225)
140 Dyeing and finishing textiles, except wool and knit goods (226)
141 Carpets and rugs (227)
142 Yarn, thread, and fabric mills (221-224, 228)
150 Miscellaneous textile mill products (229)

CENSUS CODE

MANUFACTURING - *Continued*

Nondurable goods - *Continued*

Apparel and other finished textile products
151 Apparel and accessories, except knit (231-238)
152 Miscellaneous fabricated textile products (239)
Paper and allied products
160 Pulp, paper, and paperboard mills (261-263)
161 Miscellaneous paper and pulp products (267)
162 Paperboard containers and boxes (265)
Printing, publishing, and allied industries
171 Newspaper publishing and printing (271)
172 Printing, publishing, and allied industries, except newspapers (272-279)
Chemicals and allied products
180 Plastics, synthetics, and resins (282)
181 Drugs (283)
182 Soaps and cosmetics (284)
190 Paints, varnishes, and related products (285)
191 Agricultural chemicals (287)
192 Industrial and miscellaneous chemicals (281, 286, 289)
Petroleum and coal products
200 Petroleum refining (291)
201 Miscellaneous petroleum and coal products (295, 299)
Rubber and miscellaneous plastics products
210 Tires and inner tubes (301)
211 Other rubber products, and plastics footwear and belting (302-306)
212 Miscellaneous plastics products (308)
Leather and leather products
220 Leather tanning and finishing (311)
221 Footwear, except rubber and plastic (313, 314)
222 Leather products, except footwear (315-317, 319)

Durable Goods

Lumber and wood products, except furniture
230 Logging (241)
231 Sawmills, planing mills, and millwork (242, 243)
232 Wood buildings and mobile homes (245)
241 Miscellaneous wood products (244, 249)
242 Furniture and fixtures (25)
Stone, clay, glass, and concrete products
250 Glass and glass products (321-323)
251 Cement, concrete, gypsum, and plaster products (324, 327)
252 Structural clay products (325)
261 Pottery and related products (326)
262 Miscellaneous nonmetallic mineral and stone products (328, 329)

CENSUS CODE

MANUFACTURING - *Continued*

Durable Goods - *Continued*

Metal industries
270 Blast furnaces, steelworks, rolling and finishing mills (331)
271 Iron and steel foundries (332)
272 Primary aluminum industries (3334, part 334, 3353-3355, 3363, 3365)
280 Other primary metal industries (3331, 3339, part 334, 3351, 3355,3357,3364,3366,3369, 339)
281 Cutlery, handtools, and general hardware (342)
282 Fabricated structural metal products (344)
290 Screw machine products (345)
291 Metal forgings and stampings (346)
292 Ordnance (348)
300 Miscellaneous fabricated metal products (341, 343, 347, 349)
301 Not specified metal industries
Machinery and computing equipment
310 Engines and turbines (351)
311 Farm machinery and equipment (352)
312 Construction and material handling machines (353)
320 Metalworking machinery (354)
321 Office and accounting machines (3578, 3579)
322 Computers and related equipment (3571-3577)
331 Machinery, except electrical, n.e.c. (355, 356, 358, 359)
332 Not specified machinery
Electrical machinery, equipment, and supplies
340 Household appliances (363)
341 Radio, TV, and communication equipment (365, 366)
342 Electrical machinery, equipment, and supplies, n.e.c. (361, 362,364, 367, 369)
350 Not specified electrical machinery, equipment, and supplies
Transportation equipment
351 Motor vehicles and motor vehicle equipment (371)
352 Aircraft and parts (372)
360 Ship and boat building and repairing (373)
361 Railroad locomotives and equipment (374)
362 Guided missiles, space vehicles, and parts (376)
370 Cycles and miscellaneous transportation equipment (375, 379)
Professional and photographic equipment, and watches
371 Scientific and controlling instruments (38l, 382 exc. 3827)
372 Medical, dental, and optical instruments and supplies (3827, 384,385)
380 Photographic equipment and supplies (386)
381 Watches, clocks, and clockwork operated devices (387)
390 Toys, amusement, and sporting goods (394)
391 Miscellaneous manufacturing industries (39 exc. 394)
392 Not specified manufacturing industries

CENSUS
CODE

TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES

Transportation
400 Railroads (40)
401 Bus service and urban transit (41, except 412)
402 Taxicab service (412)
410 Trucking service (421, 423)
411 Warehousing and storage (422)
412 U.S. Postal Service (43)
420 Water transportation (44)
421 Air transportation (45)
422 Pipe lines, except natural gas (46)
432 Services incidental to transportation (47)
Communications
440 Radio and television broadcasting and cable (483, 484)
441 Telephone communications (481)
442 Telegraph and miscellaneous communications services (482, 489)
Utilities and sanitary services
450 Electric light and power (491)
451 Gas and steam supply systems (492, 496)
452 Electric and gas, and other combinations (493)
470 Water supply and irrigation (494, 497)
471 Sanitary services (495)
472 Not specified utilities

WHOLESALE TRADE

Durable Goods

500 Motor vehicles and equipment (501)
501 Furniture and home furnishings (502)
502 Lumber and construction materials (503)
510 Professional and commercial equipment and supplies (504)
511 Metals and minerals, except petroleum (505)
512 Electrical goods (506)
521 Hardware, plumbing and heating supplies (507)
530 Machinery, equipment, and supplies (508)
531 Scrap and waste materials (5093)
532 Miscellaneous wholesale, durable goods (509 exc. 5093)
540 Paper and paper products (511)
541 Drugs, chemicals and allied products (512, 516)
542 Apparel, fabrics, and notions (513)
550 Groceries and related products (514)
551 Farm-product raw materials (515)
552 Petroleum products (517)
560 Alcoholic beverages (518)
561 Farm supplies (5191)
562 Miscellaneous wholesale, nondurable goods (5192-5199)
571 Not specified wholesale trade

CENSUS CODE

RETAIL TRADE

580 Lumber and building material retailing (521, 523)
581 Hardware stores (525)
582 Retail nurseries and garden stores (526)
590 Mobile home dealers (527)
591 Department stores (531)
592 Variety stores (533)
600 Miscellaneous general merchandise stores (539)
601 Grocery stores (541)
602 Dairy products stores (545)
610 Retail bakeries (546)
611 Food stores, n.e.c. (542, 543, 544, 549)
612 Motor vehicle dealers (551, 552)
620 Auto and home supply stores (553)
621 Gasoline service stations (554)
622 Miscellaneous vehicle dealers (555, 556, 557, 559)
623 Apparel and accessory stores, except shoe (56, except 566)
630 Shoe stores (566)
631 Furniture and home furnishings stores (571)
632 Household appliance stores (572)
633 Radio, TV, and computer stores (5731, 5734)
640 Music stores (5735, 5736)
641 Eating and drinking places (58)
642 Drug stores (591)
650 Liquor stores (592)
651 Sporting goods, bicycles, and hobby stores (5941, 5945, 5946)
652 Book and stationery stores (5942, 5943)
660 Jewelry stores (5944)
661 Gift, novelty, and souvenir shops (5947)
662 Sewing, needlework and piece goods stores (5949)
663 Catalog and mail order houses (5961)
670 Vending machine operators (5962)
671 Direct selling establishments (5963)
672 Fuel dealers (598)
681 Retail florists (5992)
682 Miscellaneous retail stores (593, 5948, 5993-5995, 5999)
691 Not specified retail trade

FINANCE, INSURANCE, AND REAL ESTATE

700 Banking (60 exc. 603 and 606)
701 Savings institutions, including credit unions (603, 606)
702 Credit agencies, n.e.c. (61)
710 Security, commodity brokerage, and investment companies (62, 67)
711 Insurance (63, 64)
712 Real estate, including real estate-insurance offices (65)

CENSUS CODE

BUSINESS AND REPAIR SERVICES

721 Advertising (731)
722 Services to dwellings and other buildings (734)
731 Personnel supply services (736)
732 Computer and data processing services (737)
740 Detective and protective services (7381, 7382)
741 Business services, n.e.c. (732, 733, 735, 7383-7389)
742 Automotive rental and leasing, without drivers (751)
750 Automobile parking and carwashes (752, 7542)
751 Automotive repair and related services (753, 7549)
752 Electrical repair shops (762, 7694)
760 Miscellaneous repair services (763, 764, 7692, 7699)

PERSONAL SERVICES

761 Private households (88)
762 Hotels and motels (701)
770 Lodging places, except hotels and motels (702, 703, 704)
771 Laundry, cleaning, and garment services (721 exc. part 7219)
772 Beauty shops (723)
780 Barber shops (724)
781 Funeral service and crematories (726)
782 Shoe repair shops (725)
790 Dressmaking shops (part 7219)
791 Miscellaneous personal services (722, 729)

ENTERTAINMENT AND RECREATION SERVICES

800 Theaters and motion pictures (781-783, 792)
801 Video tape rental (784)
802 Bowling centers (793)
810 Miscellaneous entertainment and recreation services (791, 794, 799)

PROFESSIONAL AND RELATED SERVICES

812 Offices and clinics of physicians (801, 803)
820 Offices and clinics of dentists (802)
821 Offices and clinics of chiropractors (8041)
822 Offices and clinics of optometrists (8042)
830 Offices and clinics of health practitioners, n.e.c. (8043, 8049)
831 Hospitals (806)
832 Nursing and personal care facilities (805)
840 Health services, n.e.c. (807, 808, 809)
841 Legal services (81)
842 Elementary and secondary schools (821)
850 Colleges and universities (822)
851 Vocational schools (824)

CENSUS CODE

PROFESSIONAL AND RELATED SERVICES - *Continued*

852 Libraries (823)
860 Educational services, n.e.c. (829)
861 Job training and vocational rehabilitation services (833)
862 Child day care services (part 835)
863 Family child care homes (part 835)
870 Residential care facilities, without nursing (836)
871 Social services, n.e.c. (832, 839)
872 Museums, art galleries, and zoos (84)
873 Labor unions (863)
880 Religious organizations (866)
881 Membership organizations, n.e.c. (861, 862, 864, 865, 869)
882 Engineering, architectural, and surveying services (871)
890 Accounting, auditing, and bookkeeping services (872)
891 Research, development, and testing services (873)
892 Management and public relations services (874)
893 Miscellaneous professional and related services (899)

PUBLIC ADMINISTRATION

900 Executive and legislative offices (911-913)
901 General government, n.e.c. (919)
910 Justice, public order, and safety (92)
921 Public finance, taxation, and monetary policy (93)
922 Administration of human resources programs (94)
930 Administration of environmental quality and housing programs (95)
931 Administration of economic programs (96)
932 National security and international affairs (97)

ACTIVE DUTY MILITARY

Armed Forces
940 Army
941 Air Force
942 Navy
950 Marines
951 Coast Guard
952 Armed Forces, Branch not specified
960 Military Reserves or National Guard

EXPERIENCED UNEMPLOYED NOT CLASSIFIED BY INDUSTRY

992 Last worked 1984 or earlier

APPENDIX B
1990 CENSUS OF POPULATION OCCUPATIONAL CLASSIFICATION SYSTEM

(The numbers in parentheses refer to the 1980 Standard Occupational Classification codes. "Pt" means part. "N.e.c." means not elsewhere classified.)

1990 CENSUS CODE

MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS

Executive, Administrative, and Managerial Occupations

003 Legislators (111)
004 Chief executives and general administrators, public administration (112)
005 Administrators and officials, public administration (1132-1139)
006 Administrators, protective services (1131)
007 Financial managers (122)
008 Personnel and labor relations managers (123)
009 Purchasing managers (124)
013 Managers, marketing, advertising, and public relations (125)
014 Administrators, education and related fields (128)
015 Managers, medicine and health (131)
016 Postmasters and mail superintendents (1344)
017 Managers, food serving and lodging establishments (1351)
018 Managers, properties and real estate (1353)
019 Funeral directors (pt 1359)
021 Managers, service organizations, n.e.c. (127, 1352, 1354, pt 1359)
022 Managers and administrators, n.e.c. (121, 126, 132-1343, 136-139)

Management Related Occupations
023 Accountants and auditors (1412)
024 Underwriters (1414)
025 Other financial officers (1415, 1419)
026 Management analysts (142)
027 Personnel, training, and labor relations specialists (143)
028 Purchasing agents and buyers, farm products (1443)
029 Buyers, wholesale and retail trade, except farm products (1442)
033 Purchasing agents and buyers, n.e.c. (1449)
034 Business and promotion agents (145)
035 Construction inspectors (1472)
036 Inspectors and compliance officers, except construction (1473)
037 Management related occupations, n.e.c. (149)

Professional Specialty Occupations

Engineers, Architects, and Surveyors
043 Architects (161)
Engineers
044 Aerospace (1622)

045 Metallurgical and materials (1623)
046 Mining (1624)
047 Petroleum (1625)
048 Chemical (1626)
049 Nuclear (1627)
053 Civil (1628)
054 Agricultural (1632)
055 Electrical and electronic (1633, 1636)
056 Industrial (1634)
057 Mechanical (1635)
058 Marine and naval architects (1637)
059 Engineers, n.e.c. (1639)
063 Surveyors and mapping scientists (164)
Mathematical and Computer Scientists
064 Computer systems analysts and scientists (171)
065 Operations and systems researchers and analysts (172)
066 Actuaries (1732)
067 Statisticians (1733)
068 Mathematical scientists, n.e.c. (1739)
Natural Scientists
069 Physicists and astronomers (1842, 1843)
073 Chemists, except biochemists (1845)
074 Atmospheric and space scientists (1846)
075 Geologists and geodesists (1847)
076 Physical scientists, n.e.c. (1849)
077 Agricultural and food scientists (1853)
078 Biological and life scientists (1854)
079 Forestry and conservation scientists (1852)
083 Medical scientists (1855)
Health Diagnosing Occupations
084 Physicians (261)
085 Dentists (262)
086 Veterinarians (27)
087 Optometrists (281)
088 Podiatrists (283)
089 Health diagnosing practitioners, n.e.c. (289)
Health Assessment and Treating Occupations
095 Registered nurses (29)
096 Pharmacists (301)
097 Dietitians (302)
Therapists
098 Respiratory therapists (3031)
099 Occupational therapists (3032)
103 Physical therapists (3033)
104 Speech therapists (3034)
105 Therapists, n.e.c. (3039)
106 Physicians' assistants (304)
Teachers, Postsecondary
113 Earth, environmental, and marine science teachers (2212)
114 Biological science teachers (2213)
115 Chemistry teachers (2214)

116 Physics teachers (2215)
117 Natural science teachers, n.e.c. (2216)
118 Psychology teachers (2217)
119 Economics teachers (2218)
123 History teachers (2222)
124 Political science teachers (2223)
125 Sociology teachers (2224)
126 Social science teachers, n.e.c. (2225)
127 Engineering teachers (2226)
128 Mathematical science teachers (2227)
129 Computer science teachers (2228)
133 Medical science teachers (2231)
134 Health specialties teachers (2232)
135 Business, commerce, and marketing teachers (2233)
136 Agriculture and forestry teachers (2234)
137 Art, drama, and music teachers (2235)
138 Physical education teachers (2236)
139 Education teachers (2237)
143 English teachers (2238)
144 Foreign language teachers (2242)
145 Law teachers (2243)
146 Social work teachers (2244)
147 Theology teachers (2245)
148 Trade and industrial teachers (2246)
149 Home economics teachers (2247)
153 Teachers, postsecondary, n.e.c. (2249)
154 Postsecondary teachers, subject not specified

Teachers, Except Postsecondary
155 Teachers, prekindergarten and kindergarten (231)
156 Teachers, elementary school (232)
157 Teachers, secondary school (233)
158 Teachers, special education (235)
159 Teachers, n.e.c. (236, 239)
163 Counselors, educational and vocational (24)

Librarians, Archivists, and Curators
164 Librarians (251)
165 Archivists and curators (252)

Social Scientists and Urban Planners
166 Economists (1912)
167 Psychologists (1915)
168 Sociologists (1916)
169 Social scientists, n.e.c. (1913, 1914, 1919)
173 Urban planners (192)

Social, Recreation, and Religious Workers
174 Social workers (2032)
175 Recreation workers (2033)
176 Clergy (2042)
177 Religious workers, n.e.c. (2049)

Lawyers and Judges
178 Lawyers (211)
179 Judges (212)

Writers, Artists, Entertainers, and Athletes
183 Authors (321)
184 Technical writers (398)
185 Designers (322)
186 Musicians and composers (323)
187 Actors and directors (324)
188 Painters, sculptors, craft-artists, and artist printmakers (325)
189 Photographers (326)
193 Dancers (327)
194 Artists, performers, and related workers, n.e.c. (328, 329)
195 Editors and reporters (331)
197 Public relations specialists (332)
198 Announcers (333)
199 Athletes (34)

TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS

Technicians and Related Support Occupations

Health Technologists and Technicians
203 Clinical laboratory technologists and technicians (362)
204 Dental hygienists (363)
205 Health record technologists and technicians (364)
206 Radiologic technicians (365)
207 Licensed practical nurses (366)
208 Health technologists and technicians, n.e.c. (369)
Technologists and Technicians, Except Health
Engineering and Related Technologists and Technicians
213 Electrical and electronic technicians (3711)
214 Industrial engineering technicians (3712)
215 Mechanical engineering technicians (3713)
216 Engineering technicians, n.e.c. (3719)
217 Drafting occupations (372)
218 Surveying and mapping technicians (373)
Science Technicians
223 Biological technicians (382)
224 Chemical technicians (3831)
225 Science technicians, n.e.c. (3832, 3833, 384, 389)
Technicians; Except Health, Engineering, and Science
226 Airplane pilots and navigators (825)
227 Air traffic controllers (392)
228 Broadcast equipment operators (393)
229 Computer programmers (3971, 3972)
233 Tool programmers, numerical control (3974)
234 Legal assistants (396)
235 Technicians, n.e.c. (399)

Sales Occupations

243 Supervisors and proprietors, sales occupations (40)

Sales Representatives, Finance and Business Services
253 Insurance sales occupations (4122)
254 Real estate sales occupations (4123)
255 Securities and financial services sales occupations (4124)
256 Advertising and related sales occupations (4153)
257 Sales occupations, other business services (4152)
Sales Representatives, Commodities Except Retail
258 Sales engineers (421)
259 Sales representatives, mining, manufacturing, and wholesale (423, 424)
Sales Workers, Retail and Personal Services
263 Sales workers, motor vehicles and boats (4342, 4344)
264 Sales workers, apparel (4346)
265 Sales workers, shoes (4351)
266 Sales workers, furniture and home furnishings (4348)
267 Sales workers; radio, TV, hi-fi, and appliances (4343, 4352)
268 Sales workers, hardware and building supplies (4353)
269 Sales workers, parts (4367)
274 Sales workers, other commodities (4345, 4347, 4354, 4356, 4359, 4362, 4369)
275 Sales counter clerks (4363)
276 Cashiers (4364)
277 Street and door-to-door sales workers (4366)
278 News vendors (4365)
Sales Related Occupations
283 Demonstrators, promoters and models, sales (445)
284 Auctioneers (447)
285 Sales support occupations, n.e.c. (444, 446, 449)

Administrative Support Occupations, Including Clerical

Supervisors, Administrative Support Occupations
303 Supervisors, general office (4511, 4513, 4514, 4516, 4519, 4529)
304 Supervisors, computer equipment operators (4512)
305 Supervisors, financial records processing (4521)
306 Chief communications operators (4523)
307 Supervisors; distribution, scheduling, and adjusting clerks (4522, 4524-4528)
Computer Equipment Operators
308 Computer operators (4612)
309 Peripheral equipment operators (4613)
Secretaries, Stenographers, and Typists
313 Secretaries (4622)
314 Stenographers (4623)
315 Typists (4624)
Information Clerks
316 Interviewers (4642)
317 Hotel clerks (4643)
318 Transportation ticket and reservation agents (4644)
319 Receptionists (4645)
323 Information clerks, n.e.c. (4649)
Records Processing Occupations, Except Financial
325 Classified-ad clerks (4662)
326 Correspondence clerks (4663)

327 Order clerks (4664)
328 Personnel clerks, except payroll and timekeeping (4692)
329 Library clerks (4694)
335 File clerks (4696)
336 Records clerks (4699)

Financial Records Processing Occupations
337 Bookkeepers, accounting, and auditing clerks (4712)
338 Payroll and timekeeping clerks (4713)
339 Billing clerks (4715)
343 Cost and rate clerks (4716)
344 Billing, posting, and calculating machine operators (4718)

Duplicating, Mail and Other Office Machine Operators
345 Duplicating machine operators (4722)
346 Mail preparing and paper handling machine operators (4723)
347 Office machine operators, n.e.c. (4729)

Communications Equipment Operators
348 Telephone operators (4732)
353 Communications equipment operators, n.e.c. (4733, 4739)

Mail and Message Distributing Occupations
354 Postal clerks, exc. mail carriers (4742)
355 Mail carriers, postal service (4743)
356 Mail clerks, exc. postal service (4744)
357 Messengers (4745)

Material Recording, Scheduling, and Distributing Clerks
359 Dispatchers (4751)
363 Production coordinators (4752)
364 Traffic, shipping, and receiving clerks (4753)
365 Stock and inventory clerks (4754)
366 Meter readers (4755)
368 Weighers, measurers, checkers and samplers (4756, 4757)
373 Expediters (4758)
374 Material recording, scheduling, and distributing clerks, n.e.c. (4759)

Adjusters and Investigators
375 Insurance adjusters, examiners, and investigators (4782)
376 Investigators and adjusters, except insurance (4783)
377 Eligibility clerks, social welfare (4784)
378 Bill and account collectors (4786)

Miscellaneous Administrative Support Occupations
379 General office clerks (463)
383 Bank tellers (4791)
384 Proofreaders (4792)
385 Data-entry keyers (4793)
386 Statistical clerks (4794)
387 Teachers' aides (4795)
389 Administrative support occupations, n.e.c. (4787, 4799)

SERVICE OCCUPATIONS

Private Household Occupations

403 Launderers and ironers (503)
404 Cooks, private household (504)
405 Housekeepers and butlers (505)
406 Child care workers, private household (506)
407 Private household cleaners and servants (502, 507, 509)

Protective Service Occupations

Supervisors, Protective Service Occupations
413 Supervisors, firefighting and fire prevention occupations (5111)
414 Supervisors, police and detectives (5112)
415 Supervisors, guards (5113)
Firefighting and Fire Prevention Occupations
416 Fire inspection and fire prevention occupations (5122)
417 Firefighting occupations (5123)
Police and Detectives
418 Police and detectives, public service (5132)
423 Sheriffs, bailiffs, and other law enforcement officers (5134)
424 Correctional institution officers (5133)
Guards
425 Crossing guards (5142)
426 Guards and police, exc. public service (5144)
427 Protective service occupations, n.e.c. (5149)

Service Occupations, Except Protective and Household

Food Preparation and Service Occupations
433 Supervisors, food preparation and service occupations (5211)
434 Bartenders (5212)
435 Waiters and waitresses (5213)
436 Cooks (5214, 5215)
438 Food counter, fountain and related occupations (5216)
439 Kitchen workers, food preparation (5217)
443 Waiters'/waitresses' assistants (5218)
444 Miscellaneous food preparation occupations (5219)
Health Service Occupations
445 Dental assistants (5232)
446 Health aides, except nursing (5233)
447 Nursing aides, orderlies, and attendants (5236)
Cleaning and Building Service Occupations, except Household
448 Supervisors, cleaning and building service workers (5241)
449 Maids and housemen (5242, 5249)
453 Janitors and cleaners (5244)
454 Elevator operators (5245)
455 Pest control occupations (5246)
Personal Service Occupations
456 Supervisors, personal service occupations (5251)

457 Barbers (5252)
458 Hairdressers and cosmetologists (5253)
459 Attendants, amusement and recreation facilities (5254)
461 Guides (5255)
462 Ushers (5256)
463 Public transportation attendants (5257)
464 Baggage porters and bellhops (5262)
465 Welfare service aides (5263)
466 Family child care providers (pt 5264)
467 Early childhood teacher's assistants (pt 5264)
468 Child care workers, n.e.c. (pt 5264)
469 Personal service occupations, n.e.c. (5258, 5269)

FARMING, FORESTRY, AND FISHING OCCUPATIONS

Farm Operators and Managers
473 Farmers, except horticultural (5512-5514)
474 Horticultural specialty farmers (5515)
475 Managers, farms, except horticultural (5522-5524)
476 Managers, horticultural specialty farms (5525)
Other Agricultural and Related Occupations
Farm Occupations, Except Managerial
477 Supervisors, farm workers (5611)
479 Farm workers (5612-5617)
483 Marine life cultivation workers (5618)
484 Nursery workers (5619)
Related Agricultural Occupations
485 Supervisors, related agricultural occupations (5621)
486 Groundskeepers and gardeners, except farm (5622)
487 Animal caretakers, except farm (5624)
488 Graders and sorters, agricultural products (5625)
489 Inspectors, agricultural products (5627)
Forestry and Logging Occupations
494 Supervisors, forestry, and logging workers (571)
495 Forestry workers, except logging (572)
496 Timber cutting and logging occupations (573, 579)
Fishers, Hunters, and Trappers
497 Captains and other officers, fishing vessels (pt 8241)
498 Fishers (583)
499 Hunters and trappers (584)

PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS

Mechanics and Repairers
503 Supervisors, mechanics and repairers (60)
Mechanics and Repairers, Except Supervisors
Vehicle and Mobile Equipment Mechanics and Repairers
505 Automobile mechanics (pt 6111)
506 Automobile mechanic apprentices (pt 6111)
507 Bus, truck, and stationary engine mechanics (6112)
508 Aircraft engine mechanics (6113)

509 Small engine repairers (6114)
514 Automobile body and related repairers (6115)
515 Aircraft mechanics, exc. engine (6116)
516 Heavy equipment mechanics (6117)
517 Farm equipment mechanics (6118)
518 Industrial machinery repairers (613)
519 Machinery maintenance occupations (614)
Electrical and Electronic Equipment Repairers
523 Electronic repairers, communications and industrial equipment (6151, 6153, 6155)
525 Data processing equipment repairers (6154)
526 Household appliance and power tool repairers (6156)
527 Telephone line installers and repairers (6157)
529 Telephone installers and repairers (6158)
533 Miscellaneous electrical and electronic equipment repairers (6152, 6159)
534 Heating, air conditioning, and refrigeration mechanics (616)
Miscellaneous Mechanics and Repairers
535 Camera, watch, and musical instrument repairers (6171, 6172)
536 Locksmiths and safe repairers (6173)
538 Office machine repairers (6174)
539 Mechanical controls and valve repairers (6175)
543 Elevator installers and repairers (6176)
544 Millwrights (6178)
547 Specified mechanics and repairers, n.e.c. (6177, 6179)
549 Not specified mechanics and repairers

Construction Trades
Supervisors, Construction Occupations
553 Supervisors; brickmasons, stonemasons, and tile setters (6312)
554 Supervisors, carpenters and related workers (6313)
555 Supervisors, electricians and power transmission installers (6314)
556 Supervisors; painters, paperhangers, and plasterers (6315)
557 Supervisors; plumbers, pipefitters, and steamfitters (6316)
558 Supervisors, construction, n.e.c. (6311, 6318)
Construction Trades, Except Supervisors
563 Brickmasons and stonemasons (pt 6412, pt 6413)
564 Brickmason and stonemason apprentices (pt 6412, pt 6413)
565 Tile setters, hard and soft (pt 6414, pt 6462)
566 Carpet installers (pt 6462)
567 Carpenters (pt 6422)
569 Carpenter apprentices (pt 6422)
573 Drywall installers (6424)
575 Electricians (pt 6432)
576 Electrician apprentices (pt 6432)
577 Electrical power installers and repairers (6433)
579 Painters, construction and maintenance (6442)
583 Paperhangers (6443)
584 Plasterers (6444)
585 Plumbers, pipefitters, and steamfitters (pt 645)
587 Plumber, pipefitter, and steamfitter apprentices (pt 645)
588 Concrete and terrazzo finishers (6463)
589 Glaziers (6464)
593 Insulation workers (6465)

594 Paving, surfacing, and tamping equipment operators (6466)
595 Roofers (6468)
596 Sheetmetal duct installers (6472)
597 Structural metal workers (6473)
598 Drillers, earth (6474)
599 Construction trades, n.e.c. (6467, 6475, 6476, 6479)

Extractive Occupations
613 Supervisors, extractive occupations (632)
614 Drillers, oil well (652)
615 Explosives workers (653)
616 Mining machine operators (654)
617 Mining occupations, n.e.c. (656)

Precision Production Occupations
628 Supervisors, production occupations (67, 71)

Precision Metal Working Occupations
634 Tool and die makers (pt 6811)
635 Tool and die maker apprentices (pt 6811)
636 Precision assemblers, metal (6812)
637 Machinists (pt 6813)
639 Machinist apprentices (pt 6813)
643 Boilermakers (6814)
644 Precision grinders, filers, and tool sharpeners (6816)
645 Patternmakers and model makers, metal (6817)
646 Lay-out workers (6821)
647 Precious stones and metals workers (Jewelers) (6822, 6866)
649 Engravers, metal (6823)
653 Sheet metal workers (pt 6824)
654 Sheet metal worker apprentices (pt 6824)
655 Miscellaneous precision metal workers (6829)

Precision Woodworking Occupations
656 Patternmakers and model makers, wood (6831)
657 Cabinet makers and bench carpenters (6832)
658 Furniture and wood finishers (6835)
659 Miscellaneous precision woodworkers (6839)

Precision Textile, Apparel, and Furnishings Machine Workers
666 Dressmakers (pt 6852, pt 7752)
667 Tailors (pt 6852)
668 Upholsterers (6853)
669 Shoe repairers (6854)
674 Miscellaneous precision apparel and fabric workers (6856, 6859, pt 7752)

Precision Workers, Assorted Materials
675 Hand molders and shapers, except jewelers (6861)
676 Patternmakers, lay-out workers, and cutters (6862)
677 Optical goods workers (6864, pt 7477, pt 7677)
678 Dental laboratory and medical appliance technicians (6865)
679 Bookbinders (6844)
683 Electrical and electronic equipment assemblers (6867)
684 Miscellaneous precision workers, n.e.c. (6869)

Precision Food Production Occupations
686 Butchers and meat cutters (6871)
687 Bakers (6872)

688 Food batchmakers (6873, 6879)
Precision Inspectors, Testers, and Related Workers
689 Inspectors, testers, and graders (6881, 828)
693 Adjusters and calibrators (6882)
Plant and System Operators
694 Water and sewage treatment plant operators (691)
695 Power plant operators (pt 693)
696 Stationary engineers (pt 693, 7668)
699 Miscellaneous plant and system operators (692, 694, 695, 696)

OPERATORS, FABRICATORS, AND LABORERS

Machine Operators, Assemblers, and Inspectors

Machine Operators and Tenders, except Precision
Metal working and Plastic Working Machine Operators
703 Lathe and turning machine set-up operators (7312)
704 Lathe and turning machine operators (7512)
705 Milling and planing machine operators (7313, 7513)
706 Punching and stamping press machine operators (7314, 7317, 7514, 7517)
707 Rolling machine operators (7316, 7516)
708 Drilling and boring machine operators (7318, 7518)
709 Grinding, abrading, buffing, and polishing machine operators (7322, 7324, 7522)
713 Forging machine operators (7319, 7519)
714 Numerical control machine operators (7326)
715 Miscellaneous metal, plastic, stone, and glass working machine operators (7329, 7529)
717 Fabricating machine operators, n.e.c. (7339, 7539)
Metal and Plastic Processing Machine Operators
719 Molding and casting machine operators (7315, 7342, 7515, 7542)
723 Metal plating machine operators (7343, 7543)
724 Heat treating equipment operators (7344, 7544)
725 Miscellaneous metal and plastic processing machine operators (7349, 7549)
Woodworking Machine Operators
726 Wood lathe, routing, and planing machine operators (7431, 7432, 7631, 7632)
727 Sawing machine operators (7433, 7633)
728 Shaping and joining machine operators (7435, 7635)
729 Nailing and tacking machine operators (7636)
733 Miscellaneous woodworking machine operators (7434, 7439, 7634, 7639)
Printing Machine Operators
734 Printing press operators (7443, 7643)
735 Photoengravers and lithographers (6842, 7444, 7644)
736 Typesetters and compositors (6841, 7642)
737 Miscellaneous printing machine operators (6849, 7449, 7649)
Textile, Apparel, and Furnishings Machine Operators
738 Winding and twisting machine operators (7451, 7651)
739 Knitting, looping, taping, and weaving machine operators (7452, 7652)
743 Textile cutting machine operators (7654)
744 Textile sewing machine operators (7655)
745 Shoe machine operators (7656)
747 Pressing machine operators (7657)
748 Laundering and dry cleaning machine operators (6855, 7658)

749 Miscellaneous textile machine operators (7459, 7659)
Machine Operators, Assorted Materials
753 Cementing and gluing machine operators (7661)
754 Packaging and filling machine operators (7462, 7662)
755 Extruding and forming machine operators (7463, 7663)
756 Mixing and blending machine operators (7664)
757 Separating, filtering, and clarifying machine operators (7476, 7666, 7676)
758 Compressing and compacting machine operators (7467, 7667)
759 Painting and paint spraying machine operators (7669)
763 Roasting and baking machine operators, food (7472, 7672)
764 Washing, cleaning, and pickling machine operators (7673)
765 Folding machine operators (7474, 7674)
766 Furnace, kiln, and oven operators, exc. food (7675)
768 Crushing and grinding machine operators (pt 7477, pt 7677)
769 Slicing and cutting machine operators (7478, 7678)
773 Motion picture projectionists (pt 7479)
774 Photographic process machine operators (6863, 6868, 7671)
777 Miscellaneous machine operators, n.e.c. (pt 7479, 7665, 7679)
779 Machine operators, not specified
Fabricators, Assemblers, and Hand Working Occupations
783 Welders and cutters (7332, 7532, 7714)
784 Solderers and brazers (7333, 7533, 7717)
785 Assemblers (772, 774)
786 Hand cutting and trimming occupations (7753)
787 Hand molding, casting, and forming occupations (7754, 7755)
789 Hand painting, coating, and decorating occupations (7756)
793 Hand engraving and printing occupations (7757)
795 Miscellaneous hand working occupations (7758, 7759)
Production Inspectors, Testers, Samplers, and Weighers
796 Production inspectors, checkers, and examiners (782, 787)
797 Production testers (783)
798 Production samplers and weighers (784)
799 Graders and sorters, exc. agricultural (785)

Transportation and Material Moving Occupations

Motor Vehicle Operators
803 Supervisors, motor vehicle operators (8111)
804 Truck drivers (8212-8214)
806 Driver-sales workers (8218)
808 Bus drivers (8215)
809 Taxicab drivers and chauffeurs (8216)
813 Parking lot attendants (874)
814 Motor transportation occupations, n.e.c. (8219)

Transportation Occupations, Except Motor Vehicles
Rail Transportation Occupations
823 Railroad conductors and yardmasters (8113)
824 Locomotive operating occupations (8232)
825 Railroad brake, signal, and switch operators (8233)
826 Rail vehicle operators, n.e.c. (8239)

Water Transportation Occupations
828 Ship captains and mates, except fishing boats (pt 8241, 8242)
829 Sailors and deckhands (8243)
833 Marine engineers (8244)
834 Bridge, lock, and lighthouse tenders (8245)

Material Moving Equipment Operators
843 Supervisors, material moving equipment operators (812)
844 Operating engineers (8312)
845 Longshore equipment operators (8313)
848 Hoist and winch operators (8314)
849 Crane and tower operators (8315)
853 Excavating and loading machine operators (8316)
855 Grader, dozer, and scraper operators (8317)
856 Industrial truck and tractor equipment operators (8318)
859 Miscellaneous material moving equipment operators (8319)

Handlers, Equipment Cleaners, Helpers, and Laborers

864 Supervisors, handlers, equipment cleaners, and laborers, n.e.c. (85)
865 Helpers, mechanics and repairers (863)
Helpers, Construction and Extractive Occupations
866 Helpers, construction trades (8641-8645, 8648)
867 Helpers, surveyor (8646)
868 Helpers, extractive occupations (865)
869 Construction laborers (871)
874 Production helpers (861, 862)
Freight, Stock, and Material Handlers
875 Garbage collectors (8722)
876 Stevedores (8723)
877 Stock handlers and baggers (8724)
878 Machine feeders and offbearers (8725)
883 Freight, stock, and material handlers, n.e.c. (8726)
885 Garage and service station related occupations (873)
887 Vehicle washers and equipment cleaners (875)
888 Hand packers and packagers (8761)
889 Laborers, except construction (8769)

MILITARY OCCUPATIONS[10]

903 Commissioned officers and warrant officers
904 Non-commissioned officers and other enlisted personnel
905 Military occupation, rank not specified

EXPERIENCED UNEMPLOYED NOT CLASSIFIED BY OCCUPATION

909 Last worked 1984 or earlier

[10]Includes only uniquely military occupations. Other Armed Forces members are coded to civilian occupations.

APPENDIX C. CENSUS 2000 INDUSTRY CLASSIFICATION, WITH 1997 NORTH AMERICAN INDUSTRY CLASSIFICATION SYSTEM (NAICS) EQUIVALENTS

Census 2000		1997 NAICS Codes
Code	Category Title	
017	Crop production	111
018	Animal production	112
019	Forestry except logging	1131, 1132
027	Logging	1133
028	Fishing, hunting, and trapping	114
029	Support activities for agriculture and forestry	115
037	Oil and gas extraction	211
038	Coal mining	2121
039	Metal ore mining	2122
047	Nonmetallic mineral mining and quarrying	2123
048	Not specified type of mining	Part of 21
049	Support activities for mining	213
057	Electric power generation transmission and distribution	2211
058	Natural gas distribution	2212
059	Electric and gas and other combinations	Pts. 2211, 2212
067	Water, steam, air-conditioning, and irrigation systems	22131, 22133
068	Sewage treatment facilities	22132
069	Not specified utilities	Part of 22
077	Construction	23
107	Animal food, grain, and oilseed milling	3111, 3112
108	Sugar and confectionery products	3113
109	Fruit and vegetable preserving and specialty food manufacturing	3114
117	Dairy product manufacturing	3115
118	Animal slaughtering and processing	3116
119	Retail bakeries	311811
127	Bakeries except retail	3118 exc. 311811
128	Seafood and other miscellaneous foods n.e.c.	3117, 3119
129	Not specified food industries	Part of 311
137	Beverage manufacturing	3121
139	Tobacco manufacturing	3122
147	Fiber, yarn, and thread mills	3131
148	Fabric mills, except knitting	3132 exc. 31324
149	Textile and fabric finishing and coating mills	3133
157	Carpets and rugs manufacturing	31411
159	Textile product mills except carpets and rugs	314 exc. 31411
167	Knitting mills	31324, 3151
168	Cut and sew apparel manufacturing	3152
169	Apparel accessories and other apparel manufacturing	3159
177	Footwear manufacturing	3162
179	Leather tanning and products, except footwear manufacturing	3161, 3169
187	Pulp, paper, and paperboard mills	3221
188	Paperboard containers and boxes	32221

Census 2000		1997 NAICS Codes
Code	Category Title	
189	Miscellaneous paper and pulp products	32222, 32223, 32229
199	Printing and related support activities	3231
207	Petroleum refining	32411
209	Miscellaneous petroleum and coal products	32412, 32419
217	Resin, synthetic rubber and fibers, and filaments manufacturing	3252
218	Agricultural chemical manufacturing	3253
219	Pharmaceutical and medicine manufacturing	3254
227	Paint, coating, and adhesives manufacturing	3255
228	Soap, cleaning compound, and cosmetic manufacturing	3256
229	Industrial and miscellaneous chemicals	3251, 3259
237	Plastics product manufacturing	3261
238	Tire manufacturing	32621
239	Rubber products, except tires, manufacturing	32622, 32629
247	Pottery, ceramics, and related products manufacturing	32711
248	Structural clay product manufacturing	32712
249	Glass and glass product manufacturing	3272
257	Cement, concrete, lime, and gypsum product manufacturing	3273, 3274
259	Miscellaneous nonmetallic mineral product manufacturing	3279
267	Iron and steel mills and steel product manufacturing	3311, 3312
268	Aluminum production and processing	3313
269	Nonferrous metal, except aluminum, production and processing	3314
277	Foundries	3315
278	Metal forgings and stampings	3321
279	Cutlery and hand tool manufacturing	3322
287	Structural metals and tank and shipping container manufacturing	3323, 3324
288	Machine shops; turned product; screw nut and bolt manufacturing	3327
289	Coating, engraving, heat treating and allied activities	3328
297	Ordnance	332992-332995
298	Miscellaneous fabricated metal products manufacturing	3325, 3326, 3329 exc. 332992-332995
299	Not specified metal industries	Part of 331 and 332
307	Agricultural implement manufacturing	33311
308	Construction mining and oil field machinery manufacturing	33312, 33313
309	Commercial and service industry machinery manufacturing	3333
317	Metalworking machinery manufacturing	3335
318	Engines, turbines, and power transmission equipment manufacturing	3336
319	Machinery manufacturing, n.e.c.	3332, 3334, 3339
329	Not specified machinery manufacturing	Part of 333
336	Computer and peripheral equipment manufacturing	3341
337	Communications, audio, and video equipment manufacturing	3342, 3343
338	Navigational, measuring, electromedical, and control instruments manufacturing	3345
339	Electronic component and product manufacturing, n.e.c.	3344, 3346
347	Household appliance manufacturing	3352

Census 2000		1997 NAICS Codes
Code	Category Title	
349	Electrical machinery, equipment, and supplies manufacturing, n.e.c.	3351, 3353, 3359
357	Motor vehicles and motor vehicle equipment manufacturing	3361, 3362, 3363
358	Aircraft and parts manufacturing	336411-336413
359	Aerospace product and parts manufacturing	336414-336419
367	Railroad rolling stock manufacturing	3365
368	Ship and boat building	3366
369	Other transportation equipment manufacturing	3369
377	Sawmills and wood preservation	3211
378	Veneer, plywood, and engineered wood product manufacturing	3212
379	Prefabricated wood buildings and mobile homes manufacturing	321991, 321992
387	Miscellaneous wood product manufacturing	3219 exc. 321991, 321992
389	Furniture and fixtures	337
396	Medical equipment and supplies manufacturing	3391
397	Toys, amusement, and sporting goods manufacturing	33992, 33993
398	Miscellaneous manufacturing, n.e.c.	3399 exc. 33992, 33993
399	Not specified manufacturing industries	Part of 31-33
407	Motor vehicles, parts and supplies wholesalers	4211
408	Furniture and home furnishing wholesalers	4212
409	Lumber and other construction materials wholesalers	4213
417	Professional and commercial equipment and supplies wholesalers	4214
418	Metals and minerals, except petroleum, wholesalers	4215
419	Electrical goods wholesalers	4216
426	Hardware, plumbing and heating equipment, and supplies wholesalers	4217
427	Machinery, equipment, and supplies wholesalers	4218
428	Recyclable material wholesalers	42193
429	Miscellaneous durable goods wholesalers	4219 exc. 42193
437	Paper and paper product wholesalers	4221
438	Drugs, sundries, and chemical and allied product wholesalers	4222, 4226
439	Apparel, fabrics, and notions wholesalers	4223
447	Groceries and related product wholesalers	4224
448	Farm product raw material wholesalers	4225
449	Petroleum and petroleum product wholesalers	4227
456	Alcoholic beverage wholesalers	4228
457	Farm supplies wholesalers	42291
458	Miscellaneous nondurable goods wholesalers	4229 exc. 42291
459	Not specified wholesale trade	Part of 42
467	Automobile dealers	4411
468	Other motor vehicle dealers	4412
469	Auto parts, accessories, and tire stores	4413
477	Furniture and home furnishings stores	442
478	Household appliance stores	443111
479	Radio, TV, and computer stores	443112, 44312
487	Building material and supplies dealers	4441 exc. 44413

Census 2000		1997 NAICS Codes
Code	Category Title	
488	Hardware stores	44413
489	Lawn and garden equipment and supplies stores	4442
497	Grocery stores	4451
498	Specialty food stores	4452
499	Beer, wine, and liquor stores	4453
507	Pharmacies and drug stores	44611
508	Health and personal care, except drug, stores	446 exc. 44611
509	Gasoline stations	447
517	Clothing and accessories, except shoe, stores	448 exc. 44821 and 4483
518	Shoe stores	44821
519	Jewelry, luggage, and leather goods stores	4483
527	Sporting goods, camera, and hobby and toy stores	44313, 45111, 45112
528	Sewing, needlework and piece goods stores	45113
529	Music stores	45114, 45122
537	Book stores and news dealers	45121
538	Department stores	45211
539	Miscellaneous general merchandise stores	4529
547	Retail florists	4531
548	Office supplies and stationary stores	45321
549	Used merchandise stores	4533
557	Gift, novelty, and souvenir shops	45322
558	Miscellaneous retail stores	4539
559	Electronic shopping and mail-order houses	45411
567	Vending machine operators	45421
568	Fuel dealers	45431
569	Other direct selling establishments	45439
579	Not specified retail trade	Part of 44-45
607	Air transportation	481
608	Rail transportation	482
609	Water transportation	483
617	Truck transportation	484
618	Bus service and urban transit	4851, 4852, 4854-4859
619	Taxi and limousine service	4853
627	Pipeline transportation	486
628	Scenic and sightseeing transportation	487
629	Services incidental to transportation	488
637	Postal Service	491
638	Courier and messengers	492
639	Warehousing and storage	493
647	Newspaper publishers	51111
648	Publishing except newspapers and software	5111 exc. 51111
649	Software publishing	5112
657	Motion pictures and video industries	5121
659	Sound recording industries	5122
667	Radio and television broadcasting and cable	5131, 5132
668	Wired telecommunications carriers	51331

Census 2000		1997 NAICS Codes
Code	Category Title	
669	Other telecommunication services	5133 exc. 51331
677	Libraries and archives	51412
678	Other information services	5141 exc. 51412
679	Data processing services	5142
687	Banking and related activities	521, 52211, 52219
688	Savings institutions, including credit unions	52212, 52213
689	Non-depository credit and related activities	5222, 5223
697	Securities, commodities, funds, trusts, and other financial investments	523, 525
699	Insurance carriers and related activities	524
707	Real estate	531
708	Automotive equipment rental and leasing	5321
717	Video tape and disk rental	53223
718	Other consumer goods rental	53221, 53222, 53229, 5323
719	Commercial, industrial, and other intangible assets rental and leasing	5324, 533
727	Legal services	5411
728	Accounting, tax preparation, bookkeeping and payroll services	5412
729	Architectural, engineering, and related services	5413
737	Specialized design services	5414
738	Computer systems design and related services	5415
739	Management, scientific and technical consulting services	5416
746	Scientific research and development services	5417
747	Advertising and related services	5418
748	Veterinary services	54194
749	Other professional, scientific and technical services	5419 exc. 54194
757	Management of companies and enterprises	551
758	Employment services	5613
759	Business support services	5614
767	Travel arrangement and reservation services	5615
768	Investigation and security services	5616
769	Services to buildings and dwellings	5617 exc. 56173
777	Landscaping services	56173
778	Other administrative and other support services	5611, 5612, 5619
779	Waste management and remediation services	562
786	Elementary and secondary schools	6111
787	Colleges and universities, including junior colleges	6112, 6113
788	Business, technical, and trade schools and training	6114, 6115
789	Other schools, instruction, and educational services	6116, 6117
797	Offices of physicians	6211
798	Offices of dentists	6212
799	Office of chiropractors	62131
807	Offices of optometrists	62132
808	Offices of other health practitioners	6213 exc. 62131, 62132
809	Outpatient care centers	6214

Census 2000		1997 NAICS Codes
Code	Category Title	
817	Home health care services	6216
818	Other health care services	6215, 6219
819	Hospitals	622
827	Nursing care facilities	6231
829	Residential care facilities, without nursing	6232, 6233, 6239
837	Individual and family services	6241
838	Community food and housing, and emergency services	6242
839	Vocational rehabilitation services	6243
847	Child day care services	6244
856	Independent artists, performing arts, spectator sports, and related industries	711
857	Museums, art galleries, historical sites, and similar institutions	712
858	Bowling centers	71395
859	Other amusement, gambling, and recreation industries	713 exc. 71395
866	Traveler accommodation	7211
867	Recreational vehicle parks and camps, and rooming and boarding houses	7212, 7213
868	Restaurants and other food services	722 exc. 7224
869	Drinking places, alcoholic beverages	7224
877	Automotive repair and maintenance	8111 exc. 811192
878	Car washes	811192
879	Electronic and precision equipment repair and maintenance	8112
887	Commercial and industrial machinery and equipment repair and maintenance	8113
888	Personal and household goods repair and maintenance	8114 exc. 81143
889	Footwear and leather goods repair	81143
897	Barber shops	812111
898	Beauty salons	812112
899	Nail salons and other personal care services	812113, 81219
907	Drycleaning and laundry services	8123
908	Funeral homes, cemeteries and crematories	8122
909	Other personal services	8129
916	Religious organizations	8131
917	Civic, social, advocacy organizations, and grantmaking and giving services	8132, 8133, 8134
918	Labor unions	81393
919	Business, professional, political, and similar organizations	8139 exc. 81393
929	Private households	814
937	Executive offices and legislative bodies	92111, 92112, 92114, pt. 92115
938	Public finance activities	92113
939	Other general government and support	92119
947	Justice, public order, and safety activities	922, pt. 92115
948	Administration of human resource programs	923
949	Administration of environmental quality and housing programs	924, 925

Census 2000		1997 NAICS Codes
Code	**Category Title**	
957	Administration of economic programs and space research	926, 927
959	National security and international affairs	928
967	U. S. Army	Part of 928
968	U. S. Air Force	Part of 928
969	U. S. Navy	Part of 928
977	U. S. Marines	Part of 928
978	U. S. Coast Guard	Part of 928
979	U. S. Armed Forces, branch not specified	Part of 928
987	Military Reserves or National Guard	Part of 928
992	Unemployed, last worked 1994 or earlier or never worked	none

APPENDIX D. CENSUS 2000 OCCUPATIONAL CLASSIFICATION, WITH 2000 STANDARD OCCUPATIONAL CLASSIFICATION (SOC) EQUIVALENTS

Census 2000		2000 SOC Codes
Code	Category Title	
001	Chief Executives	11-1011
002	General and Operations Managers	11-1021
003	Legislators	11-1031
004	Advertising and Promotions Managers	11-2011
005	Marketing and Sales Managers	11-2020
006	Public Relations Managers	11-2031
010	Administrative Services Managers	11-3011
011	Computer and Information Systems Managers	11-3021
012	Financial Managers	11-3031
013	Human Resources Managers	11-3040
014	Industrial Production Managers	11-3051
015	Purchasing Managers	11-3061
016	Transportation, Storage, and Distribution Managers	11-3071
020	Farm, Ranch, and Other Agricultural Managers	11-9011
021	Farmers and Ranchers	11-9012
022	Construction Managers	11-9021
023	Education Administrators	11-9030
030	Engineering Managers	11-9041
031	Food Service Managers	11-9051
032	Funeral Directors	11-9061
033	Gaming Managers	11-9071
034	Lodging Managers	11-9081
035	Medical and Health Services Managers	11-9111
036	Natural Sciences Managers	11-9121
040	Postmasters and Mail Superintendents	11-9131
041	Property, Real Estate, and Community Association Managers	11-9141
042	Social and Community Service Managers	11-9151
043	Managers, All Other	11-9199
050	Agents and Business Managers of Artists, Performers, and Athletes	13-1011
051	Purchasing Agents and Buyers, Farm Products	13-1021
052	Wholesale and Retail Buyers, Except Farm Products	13-1022
053	Purchasing Agents, Except Wholesale, Retail, and Farm Products	13-1023
054	Claims Adjusters, Appraisers, Examiners, and Investigators	13-1030
056	Compliance Officers, Except Agriculture, Construction, Health and Safety, and Transportation	13-1041
060	Cost Estimators	13-1051
062	Human Resources, Training, and Labor Relations Specialists	13-1070
070	Logisticians	13-1081
071	Management Analysts	13-1111
072	Meeting and Convention Planners	13-1121
073	Other Business Operations Specialists	13-1061, 13-1199
080	Accountants and Auditors	13-2011
081	Appraisers and Assessors of Real Estate	13-2021
082	Budget Analysts	13-2031
083	Credit Analysts	13-2041
084	Financial Analysts	13-2051
085	Personal Financial Advisors	13-2052

Census 2000		2000 SOC Codes
Code	Category Title	
086	Insurance Underwriters	13-2053
090	Financial Examiners	13-2061
091	Loan Counselors and Officers	13-2070
093	Tax Examiners, Collectors, and Revenue Agents	13-2081
094	Tax Preparers	13-2082
095	Financial Specialists, All Other	13-2099
100	Computer Scientists and Systems Analysts	15-1011, 15-1051, 15-1099
101	Computer Programmers	15-1021
102	Computer Software Engineers	15-1030
104	Computer Support Specialists	15-1041
106	Database Administrators	15-1061
110	Network and Computer Systems Administrators	15-1071
111	Network Systems and Data Communications Analysts	15-1081
120	Actuaries	15-2011
121	Mathematicians	15-2021
122	Operations Research Analysts	15-2031
123	Statisticians	15-2041
124	Miscellaneous Mathematical Science Occupations	15-2090
130	Architects, Except Naval	17-1010
131	Surveyors, Cartographers, and Photogrammetrists	17-1020
132	Aerospace Engineers	17-2011
133	Agricultural Engineers	17-2021
134	Biomedical Engineers	17-2031
135	Chemical Engineers	17-2041
136	Civil Engineers	17-2051
140	Computer Hardware Engineers	17-2061
141	Electrical and Electronics Engineers	17-2070
142	Environmental Engineers	17-2081
143	Industrial Engineers, Including Health and Safety	17-2110
144	Marine Engineers and Naval Architects	17-2121
145	Materials Engineers	17-2131
146	Mechanical Engineers	17-2141
150	Mining and Geological Engineers, Including Mining Safety Engineers	17-2151
151	Nuclear Engineers	17-2161
152	Petroleum Engineers	17-2171
153	Engineers, All Other	17-2199
154	Drafters	17-3010
155	Engineering Technicians, Except Drafters	17-3020
156	Surveying and Mapping Technicians	17-3031
160	Agricultural and Food Scientists	19-1010
161	Biological Scientists	19-1020
164	Conservation Scientists and Foresters	19-1030
165	Medical Scientists	19-1040
170	Astronomers and Physicists	19-2010
171	Atmospheric and Space Scientists	19-2021
172	Chemists and Materials Scientists	19-2030
174	Environmental Scientists and Geoscientists	19-2040
176	Physical Scientists, All Other	19-2099
180	Economists	19-3011
181	Market and Survey Researchers	19-3020

Census 2000		2000 SOC Codes
Code	Category Title	
182	Psychologists	19-3030
183	Sociologists	19-3041
184	Urban and Regional Planners	19-3051
186	Miscellaneous Social Scientists and Related Workers	19-3090
190	Agricultural and Food Science Technicians	19-4011
191	Biological Technicians	19-4021
192	Chemical Technicians	19-4031
193	Geological and Petroleum Technicians	19-4041
194	Nuclear Technicians	19-4051
196	Other Life, Physical, and Social Science Technicians	19-4061, 19-4090
200	Counselors	21-1010
201	Social Workers	21-1020
202	Miscellaneous Community and Social Service Specialists	21-1090
204	Clergy	21-2011
205	Directors, Religious Activities and Education	21-2021
206	Religious Workers, All Other	21-2099
210	Lawyers	23-1011
211	Judges, Magistrates, and Other Judicial Workers	23-1020
214	Paralegals and Legal Assistants	23-2011
215	Miscellaneous Legal Support Workers	23-2090
220	Postsecondary Teachers	25-1000
230	Preschool and Kindergarten Teachers	25-2010
231	Elementary and Middle School Teachers	25-2020
232	Secondary School Teachers	25-2030
233	Special Education Teachers	25-2040
234	Other Teachers and Instructors	25-3000
240	Archivists, Curators, and Museum Technicians	25-4010
243	Librarians	25-4021
244	Library Technicians	25-4031
254	Teacher Assistants	25-9041
255	Other Education, Training, and Library Workers	25-9011, 25-9021, 25-9031, 25-9099
260	Artists and Related Workers	27-1010
263	Designers	27-1020
270	Actors	27-2011
271	Producers and Directors	27-2012
272	Athletes, Coaches, Umpires, and Related Workers	27-2020
274	Dancers and Choreographers	27-2030
275	Musicians, Singers, and Related Workers	27-2040
276	Entertainers and Performers, Sports and Related Workers, All Other	27-2099
280	Announcers	27-3010
281	News Analysts, Reporters and Correspondents	27-3020
282	Public Relations Specialists	27-3031
283	Editors	27-3041
284	Technical Writers	27-3042
285	Writers and Authors	27-3043
286	Miscellaneous Media and Communication Workers	27-3090
290	Broadcast and Sound Engineering Technicians and Radio Operators	27-4010
291	Photographers	27-4021

Census 2000		2000 SOC Codes
Code	Category Title	
292	Television, Video, and Motion Picture Camera Operators and Editors	27-4030
296	Media and Communication Equipment Workers, All Other	27-4099
300	Chiropractors	29-1011
301	Dentists	29-1020
303	Dietitians and Nutritionists	29-1031
304	Optometrists	29-1041
305	Pharmacists	29-1051
306	Physicians and Surgeons	29-1060
311	Physician Assistants	29-1071
312	Podiatrists	29-1081
313	Registered Nurses	29-1111
314	Audiologists	29-1121
315	Occupational Therapists	29-1122
316	Physical Therapists	29-1123
320	Radiation Therapists	29-1124
321	Recreational Therapists	29-1125
322	Respiratory Therapists	29-1126
323	Speech-Language Pathologists	29-1127
324	Therapists, All Other	29-1129
325	Veterinarians	29-1131
326	Health Diagnosing and Treating Practitioners, All Other	29-1199
330	Clinical Laboratory Technologists and Technicians	29-2010
331	Dental Hygienists	29-2021
332	Diagnostic Related Technologists and Technicians	29-2030
340	Emergency Medical Technicians and Paramedics	29-2041
341	Health Diagnosing and Treating Practitioner Support Technicians	29-2050
350	Licensed Practical and Licensed Vocational Nurses	29-2061
351	Medical Records and Health Information Technicians	29-2071
352	Opticians, Dispensing	29-2081
353	Miscellaneous Health Technologists and Technicians	29-2090
354	Other Healthcare Practitioners and Technical Occupations	29-9000
360	Nursing, Psychiatric, and Home Health Aides	31-1010
361	Occupational Therapist Assistants and Aides	31-2010
362	Physical Therapist Assistants and Aides	31-2020
363	Massage Therapists	31-9011
364	Dental Assistants	31-9091
365	Medical Assistants and Other Healthcare Support Occupations	31-9092, 31-9093, 31-9094, 31-9095, 31-9096, 31-9099
370	First-Line Supervisors/Managers of Correctional Officers	33-1011
371	First-Line Supervisors/Managers of Police and Detectives	33-1012
372	First-Line Supervisors/Managers of Fire Fighting and Prevention Workers	33-1021
373	Supervisors, Protective Service Workers, All Other	33-1099
374	Fire Fighters	33-2011
375	Fire Inspectors	33-2020
380	Bailiffs, Correctional Officers, and Jailers	33-3010
382	Detectives and Criminal Investigators	33-3021
383	Fish and Game Wardens	33-3031

Census 2000		2000 SOC Codes
Code	Category Title	
384	Parking Enforcement Workers	33-3041
385	Police and Sheriff's Patrol Officers	33-3051
386	Transit and Railroad Police	33-3052
390	Animal Control Workers	33-9011
391	Private Detectives and Investigators	33-9021
392	Security Guards and Gaming Surveillance Officers	33-9030
394	Crossing Guards	33-9091
395	Lifeguards and Other Protective Service Workers	33-9092, 33-9099
400	Chefs and Head Cooks	35-1011
401	First-Line Supervisors/Managers of Food Preparation and Serving Workers	35-1012
402	Cooks	35-2010
403	Food Preparation Workers	35-2021
404	Bartenders	35-3011
405	Combined Food Preparation and Serving Workers, Including Fast Food	35-3021
406	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	35-3022
411	Waiters and Waitresses	35-3031
412	Food Servers, Nonrestaurant	35-3041
413	Dining Room and Cafeteria Attendants and Bartender Helpers	35-9011
414	Dishwashers	35-9021
415	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	35-9031
416	Food Preparation and Serving Related Workers, All Other	35-9099
420	First-Line Supervisors/Managers of Housekeeping and Janitorial Workers	37-1011
421	First-Line Supervisors/Managers of Landscaping, Lawn Service, and Groundskeeping Workers	37-1012
422	Janitors and Building Cleaners	37-2011, 37-2019
423	Maids and Housekeeping Cleaners	37-2012
424	Pest Control Workers	37-2021
425	Grounds Maintenance Workers	37-3010
430	First-Line Supervisors/Managers of Gaming Workers	39-1010
432	First-Line Supervisors/Managers of Personal Service Workers	39-1021
434	Animal Trainers	39-2011
435	Nonfarm Animal Caretakers	39-2021
440	Gaming Services Workers	39-3010
441	Motion Picture Projectionists	39-3021
442	Ushers, Lobby Attendants, and Ticket Takers	39-3031
443	Miscellaneous Entertainment Attendants and Related Workers	39-3090
446	Funeral Service Workers	39-4000
450	Barbers	39-5011
451	Hairdressers, Hairstylists, and Cosmetologists	39-5012
452	Miscellaneous Personal Appearance Workers	39-5090
453	Baggage Porters, Bellhops, and Concierges	39-6010
454	Tour and Travel Guides	39-6020
455	Transportation Attendants	39-6030
460	Child Care Workers	39-9011
461	Personal and Home Care Aides	39-9021
462	Recreation and Fitness Workers	39-9030
464	Residential Advisors	39-9041
465	Personal Care and Service Workers, All Other	39-9099

Census 2000		2000 SOC Codes
Code	Category Title	
470	First-Line Supervisors/Managers of Retail Sales Workers	41-1011
471	First-Line Supervisors/Managers of Non-Retail Sales Workers	41-1012
472	Cashiers	41-2010
474	Counter and Rental Clerks	41-2021
475	Parts Salespersons	41-2022
476	Retail Salespersons	41-2031
480	Advertising Sales Agents	41-3011
481	Insurance Sales Agents	41-3021
482	Securities, Commodities, and Financial Services Sales Agents	41-3031
483	Travel Agents	41-3041
484	Sales Representatives, Services, All Other	41-3099
485	Sales Representatives, Wholesale and Manufacturing	41-4010
490	Models, Demonstrators, and Product Promoters	41-9010
492	Real Estate Brokers and Sales Agents	41-9020
493	Sales Engineers	41-9031
494	Telemarketers	41-9041
495	Door-To-Door Sales Workers, News and Street Vendors, and Related Workers	41-9091
496	Sales and Related Workers, All Other	41-9099
500	First-Line Supervisors/Managers of Office and Administrative Support Workers	43-1011
501	Switchboard Operators, Including Answering Service	43-2011
502	Telephone Operators	43-2021
503	Communications Equipment Operators, All Other	43-2099
510	Bill and Account Collectors	43-3011
511	Billing and Posting Clerks and Machine Operators	43-3021
512	Bookkeeping, Accounting, and Auditing Clerks	43-3031
513	Gaming Cage Workers	43-3041
514	Payroll and Timekeeping Clerks	43-3051
515	Procurement Clerks	43-3061
516	Tellers	43-3071
520	Brokerage Clerks	43-4011
521	Correspondence Clerks	43-4021
522	Court, Municipal, and License Clerks	43-4031
523	Credit Authorizers, Checkers, and Clerks	43-4041
524	Customer Service Representatives	43-4051
525	Eligibility Interviewers, Government Programs	43-4061
526	File Clerks	43-4071
530	Hotel, Motel, and Resort Desk Clerks	43-4081
531	Interviewers, Except Eligibility and Loan	43-4111
532	Library Assistants, Clerical	43-4121
533	Loan Interviewers and Clerks	43-4131
534	New Accounts Clerks	43-4141
535	Order Clerks	43-4151
536	Human Resources Assistants, Except Payroll and Timekeeping	43-4161
540	Receptionists and Information Clerks	43-4171
541	Reservation and Transportation Ticket Agents and Travel Clerks	43-4181
542	Information and Record Clerks, All Other	43-4199
550	Cargo and Freight Agents	43-5011
551	Couriers and Messengers	43-5021
552	Dispatchers	43-5030
553	Meter Readers, Utilities	43-5041

Census 2000		2000 SOC Codes
Code	Category Title	
554	Postal Service Clerks	43-5051
555	Postal Service Mail Carriers	43-5052
556	Postal Service Mail Sorters, Processors, and Processing Machine Operators	43-5053
560	Production, Planning, and Expediting Clerks	43-5061
561	Shipping, Receiving, and Traffic Clerks	43-5071
562	Stock Clerks and Order Fillers	43-5081
563	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	43-5111
570	Secretaries and Administrative Assistants	43-6010
580	Computer Operators	43-9011
581	Data Entry Keyers	43-9021
582	Word Processors and Typists	43-9022
583	Desktop Publishers	43-9031
584	Insurance Claims and Policy Processing Clerks	43-9041
585	Mail Clerks and Mail Machine Operators, Except Postal Service	43-9051
586	Office Clerks, General	43-9061
590	Office Machine Operators, Except Computer	43-9071
591	Proofreaders and Copy Markers	43-9081
592	Statistical Assistants	43-9111
593	Office and Administrative Support Workers, All Other	43-9199
600	First-Line Supervisors/Managers of Farming, Fishing, and Forestry Workers	45-1010
601	Agricultural Inspectors	45-2011
602	Animal Breeders	45-2021
604	Graders and Sorters, Agricultural Products	45-2041
605	Miscellaneous Agricultural Workers	45-2090
610	Fishers and Related Fishing Workers	45-3011
611	Hunters and Trappers	45-3021
612	Forest and Conservation Workers	45-4011
613	Logging Workers	45-4020
620	First-Line Supervisors/Managers of Construction Trades and Extraction Workers	47-1011
621	Boilermakers	47-2011
622	Brickmasons, Blockmasons, and Stonemasons	47-2020
623	Carpenters	47-2031
624	Carpet, Floor, and Tile Installers and Finishers	47-2040
625	Cement Masons, Concrete Finishers, and Terrazzo Workers	47-2050
626	Construction Laborers	47-2061
630	Paving, Surfacing, and Tamping Equipment Operators	47-2071
631	Pile-Driver Operators	47-2072
632	Operating Engineers and Other Construction Equipment Operators	47-2073
633	Drywall Installers, Ceiling Tile Installers, and Tapers	47-2080
635	Electricians	47-2111
636	Glaziers	47-2121
640	Insulation Workers	47-2130
642	Painters, Construction and Maintenance	47-2141
643	Paperhangers	47-2142
644	Pipelayers, Plumbers, Pipefitters, and Steamfitters	47-2150
646	Plasterers and Stucco Masons	47-2161
650	Reinforcing Iron and Rebar Workers	47-2171
651	Roofers	47-2181
652	Sheet Metal Workers	47-2211

Census 2000		2000 SOC Codes
Code	Category Title	
653	Structural Iron and Steel Workers	47-2221
660	Helpers, Construction Trades	47-3010
666	Construction and Building Inspectors	47-4011
670	Elevator Installers and Repairers	47-4021
671	Fence Erectors	47-4031
672	Hazardous Materials Removal Workers	47-4041
673	Highway Maintenance Workers	47-4051
674	Rail-Track Laying and Maintenance Equipment Operators	47-4061
675	Septic Tank Servicers and Sewer Pipe Cleaners	47-4071
676	Miscellaneous Construction and Related Workers	47-4090
680	Derrick, Rotary Drill, and Service Unit Operators, Oil, Gas, and Mining	47-5010
682	Earth Drillers, Except Oil and Gas	47-5021
683	Explosives Workers, Ordnance Handling Experts, and Blasters	47-5031
684	Mining Machine Operators	47-5040
691	Roof Bolters, Mining	47-5061
692	Roustabouts, Oil and Gas	47-5071
693	Helpers--Extraction Workers	47-5081
694	Other Extraction Workers	47-5051, 47-5099
700	First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	49-1011
701	Computer, Automated Teller, and Office Machine Repairers	49-2011
702	Radio and Telecommunications Equipment Installers and Repairers	49-2020
703	Avionics Technicians	49-2091
704	Electric Motor, Power Tool, and Related Repairers	49-2092
705	Electrical and Electronics Installers and Repairers, Transportation Equipment	49-2093
710	Electrical and Electronics Repairers, Industrial and Utility	49-2094, 49-2095
711	Electronic Equipment Installers and Repairers, Motor Vehicles	49-2096
712	Electronic Home Entertainment Equipment Installers and Repairers	49-2097
713	Security and Fire Alarm Systems Installers	49-2098
714	Aircraft Mechanics and Service Technicians	49-3011
715	Automotive Body and Related Repairers	49-3021
716	Automotive Glass Installers and Repairers	49-3022
720	Automotive Service Technicians and Mechanics	49-3023
721	Bus and Truck Mechanics and Diesel Engine Specialists	49-3031
722	Heavy Vehicle and Mobile Equipment Service Technicians and Mechanics	49-3040
724	Small Engine Mechanics	49-3050
726	Miscellaneous Vehicle and Mobile Equipment Mechanics, Installers, and Repairers	49-3090
730	Control and Valve Installers and Repairers	49-9010
731	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	49-9021
732	Home Appliance Repairers	49-9031
733	Industrial and Refractory Machinery Mechanics	49-9041, 49-9045
734	Maintenance and Repair Workers, General	49-9042
735	Maintenance Workers, Machinery	49-9043
736	Millwrights	49-9044
741	Electrical Power-Line Installers and Repairers	49-9051
742	Telecommunications Line Installers and Repairers	49-9052
743	Precision Instrument and Equipment Repairers	49-9060

Census 2000		2000 SOC Codes
Code	Category Title	
751	Coin, Vending, and Amusement Machine Servicers and Repairers	49-9091
752	Commercial Divers	49-9092
754	Locksmiths and Safe Repairers	49-9094
755	Manufactured Building and Mobile Home Installers	49-9095
756	Riggers	49-9096
760	Signal and Track Switch Repairers	49-9097
761	Helpers--Installation, Maintenance, and Repair Workers	49-9098
762	Other Installation, Maintenance, and Repair Workers	49-9093, 49-9099
770	First-Line Supervisors/Managers of Production and Operating Workers	51-1011
771	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	51-2011
772	Electrical, Electronics, and Electromechanical Assemblers	51-2020
773	Engine and Other Machine Assemblers	51-2031
774	Structural Metal Fabricators and Fitters	51-2041
775	Miscellaneous Assemblers and Fabricators	51-2090
780	Bakers	51-3011
781	Butchers and Other Meat, Poultry, and Fish Processing Workers	51-3020
783	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	51-3091
784	Food Batchmakers	51-3092
785	Food Cooking Machine Operators and Tenders	51-3093
790	Computer Control Programmers and Operators	51-4010
792	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	51-4021
793	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	51-4022
794	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	51-4023
795	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	51-4031
796	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	51-4032
800	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	51-4033
801	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	51-4034
802	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	51-4035
803	Machinists	51-4041
804	Metal Furnace and Kiln Operators and Tenders	51-4050
806	Model Makers and Patternmakers, Metal and Plastic	51-4060
810	Molders and Molding Machine Setters, Operators, and Tenders, Metal and Plastic	51-4070
812	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	51-4081
813	Tool and Die Makers	51-4111
814	Welding, Soldering, and Brazing Workers	51-4120
815	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	51-4191
816	Lay-Out Workers, Metal and Plastic	51-4192
820	Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic	51-4193
821	Tool Grinders, Filers, and Sharpeners	51-4194
822	Metalworkers and Plastic Workers, All Other	51-4199
823	Bookbinders and Bindery Workers	51-5010

Census 2000		2000 SOC Codes
Code	Category Title	
824	Job Printers	51-5021
825	Prepress Technicians and Workers	51-5022
826	Printing Machine Operators	51-5023
830	Laundry and Dry-Cleaning Workers	51-6011
831	Pressers, Textile, Garment, and Related Materials	51-6021
832	Sewing Machine Operators	51-6031
833	Shoe and Leather Workers and Repairers	51-6041
834	Shoe Machine Operators and Tenders	51-6042
835	Tailors, Dressmakers, and Sewers	51-6050
836	Textile Bleaching and Dyeing Machine Operators and Tenders	51-6061
840	Textile Cutting Machine Setters, Operators, and Tenders	51-6062
841	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	51-6063
842	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	51-6064
843	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	51-6091
844	Fabric and Apparel Patternmakers	51-6092
845	Upholsterers	51-6093
846	Textile, Apparel, and Furnishings Workers, All Other	51-6099
850	Cabinetmakers and Bench Carpenters	51-7011
851	Furniture Finishers	51-7021
852	Model Makers and Patternmakers, Wood	51-7030
853	Sawing Machine Setters, Operators, and Tenders, Wood	51-7041
854	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	51-7042
855	Woodworkers, All Other	51-7099
860	Power Plant Operators, Distributors, and Dispatchers	51-8010
861	Stationary Engineers and Boiler Operators	51-8021
862	Water and Liquid Waste Treatment Plant and System Operators	51-8031
863	Miscellaneous Plant and System Operators	51-8090
864	Chemical Processing Machine Setters, Operators, and Tenders	51-9010
865	Crushing, Grinding, Polishing, Mixing, and Blending Workers	51-9020
871	Cutting Workers	51-9030
872	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	51-9041
873	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	51-9051
874	Inspectors, Testers, Sorters, Samplers, and Weighers	51-9061
875	Jewelers and Precious Stone and Metal Workers	51-9071
876	Medical, Dental, and Ophthalmic Laboratory Technicians	51-9080
880	Packaging and Filling Machine Operators and Tenders	51-9111
881	Painting Workers	51-9120
883	Photographic Process Workers and Processing Machine Operators	51-9130
884	Semiconductor Processors	51-9141
885	Cementing and Gluing Machine Operators and Tenders	51-9191
886	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	51-9192
890	Cooling and Freezing Equipment Operators and Tenders	51-9193
891	Etchers and Engravers	51-9194
892	Molders, Shapers, and Casters, Except Metal and Plastic	51-9195
893	Paper Goods Machine Setters, Operators, and Tenders	51-9196
894	Tire Builders	51-9197
895	Helpers--Production Workers	51-9198
896	Production Workers, All Other	51-9199
900	Supervisors, Transportation and Material Moving Workers	53-1000

Census 2000		2000 SOC Codes
Code	**Category Title**	
903	Aircraft Pilots and Flight Engineers	53-2010
904	Air Traffic Controllers and Airfield Operations Specialists	53-2020
911	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	53-3011
912	Bus Drivers	53-3020
913	Driver/Sales Workers and Truck Drivers	53-3030
914	Taxi Drivers and Chauffeurs	53-3041
915	Motor Vehicle Operators, All Other	53-3099
920	Locomotive Engineers and Operators	53-4010
923	Railroad Brake, Signal, and Switch Operators	53-4021
924	Railroad Conductors and Yardmasters	53-4031
926	Subway, Streetcar, and Other Rail Transportation Workers	53-4041, 53-4099
930	Sailors and Marine Oilers	53-5011
931	Ship and Boat Captains and Operators	53-5020
933	Ship Engineers	53-5031
934	Bridge and Lock Tenders	53-6011
935	Parking Lot Attendants	53-6021
936	Service Station Attendants	53-6031
941	Transportation Inspectors	53-6051
942	Other Transportation Workers	53-6041, 53-6099
950	Conveyor Operators and Tenders	53-7011
951	Crane and Tower Operators	53-7021
952	Dredge, Excavating, and Loading Machine Operators	53-7030
956	Hoist and Winch Operators	53-7041
960	Industrial Truck and Tractor Operators	53-7051
961	Cleaners of Vehicles and Equipment	53-7061
962	Laborers and Freight, Stock, and Material Movers, Hand	53-7062
963	Machine Feeders and Offbearers	53-7063
964	Packers and Packagers, Hand	53-7064
965	Pumping Station Operators	53-7070
972	Refuse and Recyclable Material Collectors	53-7081
973	Shuttle Car Operators	53-7111
974	Tank Car, Truck, and Ship Loaders	53-7121
975	Material Moving Workers, All Other	53-7199
980	Military Officer Special and Tactical Operations Leaders/Managers	55-1010
981	First-Line Enlisted Military Supervisors/Managers	55-2010
982	Military Enlisted Tactical Operations and Air/Weapons Specialists and Crew Members	55-3010
983	Military, Rank Not Specified	none
992	Unemployed, last worked 1994 or earlier or never worked	none

APPENDIX E. BIBLIOGRAPHY OF RELATED TEXTS AND REPORTS

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APPENDIX G. GLOSSARY OF TERMS AND ABBREVIATIONS USED IN THIS PAPER

The data shown in this report were developed from a sample of data collected in the 1990 Census. Therefore, most of the definitions refer to that census. The labor force definitions did not change between 1990 and 2000.

Census
The Census Bureau takes a number of censuses. However, the term "Census" in this report refers to the decennial censuses, particularly those done in 1990 and 2000.

Civilian Labor Force
The civilian labor force consists of people classified as employed and unemployed according to the following criteria:

Employed - Employed people include all civilians 16 years and over who were either (a) "at work"- those who did any work at all during the reference week as paid employees or in their own business, profession, or farm, or who worked 15 hours or more as unpaid workers on a family farm or in a family business; or (b) "with a job but not at work"- those who did not work during the reference week but had jobs or businesses from which they were temporarily absent due to illness, bad weather, industrial dispute, vacation, or other personal reasons. Excluded from the employed are people whose only activity consisted of work around the house or volunteer work for religious, charitable, and similar organizations.

Unemployed - People are classified as unemployed if they are civilians 16 years old and over and (a) were neither "at work" nor "with a job but not at work" during the reference week, (b) were looking for work during the last 4 weeks, and (c) were available to accept a job. Also included as unemployed are people who did not work at all during the reference week and were waiting to be called back to a job from which they had been laid off.

Experienced Unemployed - Unemployed people who have worked at any time in the past are classified as the "experienced unemployed." Census data are collected, however, only for the experienced unemployed who had a job in the previous 5 years.

Experienced Civilian Labor Force (ECLF) - Includes the employed and experienced unemployed. Data shown in this report reflect information about the employed and the experienced unemployed who had a job in the 5 years prior to the census in which their data were collected.

Class of Worker
The information on class of worker refers to the same job as the respondent's industry and occupation. The definitions of the class of worker categories are as follows:

Private wage and salary workers - People who work for a private employer for wages, salary, commission, tips, pay-in-kind, or at piece rates. This category also includes self-employed people whose business is incorporated, because they are paid employees of their own companies.

Government workers - Employees of any federal, state, or local governmental unit, regardless of the activity of the agency.

Self-employed workers - People who work for profit or fees in their own unincorporated business, profession, or trade; or who operate a farm.

Unpaid family workers - People who work without pay in a business or on a farm operated by a relative.

Salaried/Self-employed - In tabulations that categorize people as either salaried or self-employed, the salaried category includes private and government wage and salary workers; while the self-employed includes self-employed people and unpaid family workers.

Crosswalk
A crosswalk is a table or chart that shows the relationship between two classification systems or two sets of data. Crosswalks can take three forms:

Categorical crosswalks show the relationship between **categories** in different classification systems. Appendices A through D in this paper are examples of categorical crosswalks.

Conversion crosswalks provide conversion factors or other information that enable the user to convert one classification to another. Tables 1-7 in this paper are examples of conversion crosswalks.

Data crosswalks apply conversion factors to data so that one data set becomes comparable to another. These crosswalks show **numbers of people** in each category after conversion from one classification to another. Tables 8 and 9 in this report are examples of data crosswalks.

Double-coding
"Double-coding" is the assignment of a set of data into two different classification systems. This paper discusses two examples of double-coding: first, all the industry and occupation descriptions and titles in the Census Bureau's *Classified Index of Industries and Occupations* were assigned to both the 1990 and 2000 classification systems; second, a sample of responses from the 1990 Census were also assigned to both classification systems.

ECLF
Experienced Civilian Labor Force. See its definition under Civilian Labor Force, above.

ECPC
Economic Classification Policy Committee.

Industry and Occupation
The 1990 census questionnaires obtained industry and occupation data for the employed, the experienced unemployed, and people 16 years and over with work experience but not currently in the labor force. For the last two categories, the data are for the most recent job that a person held during the previous 5 years. For people who worked at two or more jobs, the data refer to the job at which the person worked the greatest number of hours.

NAICS
North American Industry Classification System.

N.e.c.
Not elsewhere classified.

NPC
The Census Bureau's National Processing Center in Jeffersonville, Indiana.

OMB
U.S. Office of Management and Budget.

PUMS
Public Use Microdata Samples.

Reference Week
Data about the labor force relate to the calendar week before the one in which the census respondents completed their questionnaires or were interviewed by enumerators. The reference week is not the same for all respondents because not all people were enumerated during the same week. Since Census Days were April 1, 1990 and April 1, 2000, the reference weeks for many respondents were the last week of March 1990 or March 2000, respectively.

SF- or STF-
Summary File or Summary Tape File.

SIC
Standard Industrial Classification.

SOC
Standard Occupational Classification.

SOCRPC
Standard Occupational Classification Revision Policy Committee.

Table 1. 1990 Census Industry Classification System and Its Redistribution into the Census 2000 Industry Classification System

Note: Numbers and percents may not always add to totals due to rounding. For a definition of terms and an explanation of the methodology used in this table, see the text of the accompanying Technical Paper.

1990 Census Codes and Categories		Census 2000 Codes and Categories		1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
Total Civilian Labor Force				123,473,450		123,473,450	
010	Agricultural production, crops			1,434,216			
		017	Crop production		96.237	1,380,240	2
		029	Support activities for agriculture and forestry		3.763	53,976	
011	Agricultural production, livestock			803,875			
		018	Animal production		100.000	803,875	1
012	Veterinary services			134,404			
		748	Veterinary services		100.000	134,404	1
020	Landscape and horticultural services			721,274			
		729	Architectural, engineering, and related services		7.735	55,789	
		777	Landscaping services		92.265	665,485	3
030	Agricultural services, n.e.c.			95,131			
		018	Animal production		2.000	1,903	
		029	Support activities for agriculture and forestry		64.000	60,884	
		909	Other personal services		34.000	32,345	
031	Forestry			101,785			
		017	Crop production		3.597	3,661	
		019	Forestry except logging		66.187	67,368	
		029	Support activities for agriculture and forestry		30.216	30,755	
032	Fishing, hunting, and trapping			88,274			
		018	Animal production		6.202	5,474	
		028	Fishing, hunting, and trapping		86.047	75,957	
		128	Seafood and other miscellaneous foods n.e.c.		3.101	2,737	
		949	Administration of environmental quality and housing programs		4.651	4,106	
040	Metal mining			69,191			
		039	Metal ore mining		90.411	62,556	3
		047	Nonmetallic mineral mining and quarrying		3.425	2,370	
		049	Support activities for mining		6.164	4,265	
041	Coal mining			168,923			
		038	Coal mining		100.000	168,923	1
042	Oil and gas extraction			412,324			
		037	Oil and gas extraction		38.356	158,152	
		049	Support activities for mining		60.274	248,524	
		729	Architectural, engineering, and related services		0.685	2,824	
		757	Management of companies and enterprises		0.685	2,824	
050	Nonmetallic mining and quarrying, except fuels			120,369			
		047	Nonmetallic mineral mining and quarrying		100.000	120,369	1
060	Construction			8,063,113			
		077	Construction		95.975	7,738,591	2
		207	Petroleum refining		0.310	24,963	

Table 1. 1990 Census Industry Classification System and Its Redistribution into the Census 2000 Industry Classification System

1990 Census Codes and Categories		Census 2000 Codes and Categories		1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
		729	Architectural, engineering, and related services		1.548	124,816	
		769	Services to buildings and dwellings		0.310	24,963	
		779	Waste management and remediation services		1.858	149,779	
100	Meat products			333,459			
		109	Fruit and vegetable preserving and specialty food manufacturing		1.070	3,566	
		117	Dairy product manufacturing		1.070	3,566	
		118	Animal slaughtering and processing		95.722	319,193	2
		128	Seafood and other miscellaneous foods n.e.c.		2.139	7,133	
101	Dairy products			145,489			
		117	Dairy product manufacturing		100.000	145,489	1
102	Canned, frozen, & preserved fruits & vegetables			197,042			
		029	Support activities for agriculture and forestry		1.449	2,856	
		109	Fruit and vegetable preserving and specialty food manufacturing		86.957	171,341	
		127	Bakeries except retail		3.623	7,139	
		128	Seafood and other miscellaneous foods n.e.c.		7.971	15,706	
110	Grain mill products			113,544			
		107	Animal food, grain, and oilseed milling		97.600	110,819	2
		127	Bakeries except retail		1.600	1,817	
		128	Seafood and other miscellaneous foods n.e.c.		0.800	908	
111	Bakery products			178,713			
		127	Bakeries except retail		96.875	173,128	2
		128	Seafood and other miscellaneous foods n.e.c.		3.125	5,585	
112	Sugar and confectionery products			107,230			
		108	Sugar and confectionery products		95.977	102,916	2
		128	Seafood and other miscellaneous foods n.e.c.		4.023	4,314	
120	Beverage industries			192,272			
		128	Seafood and other miscellaneous foods n.e.c.		6.757	12,991	
		137	Beverage manufacturing		93.243	179,281	3
121	Miscellaneous food preparations & kindred products			159,496			
		017	Crop production		1.515	2,417	
		107	Animal food, grain, and oilseed milling		6.061	9,666	
		109	Fruit and vegetable preserving and specialty food manufacturing		3.030	4,833	
		117	Dairy product manufacturing		1.515	2,417	
		118	Animal slaughtering and processing		3.030	4,833	
		127	Bakeries except retail		12.121	19,333	
		128	Seafood and other miscellaneous foods n.e.c.		68.182	108,747	
		137	Beverage manufacturing		4.545	7,250	
122	Not specified food industries			106,760			
		129	Not specified food industries		100.000	106,760	1
130	Tobacco manufactures			54,786			
		139	Tobacco manufacturing		100.000	54,786	1
132	Knitting mills			153,875			
		149	Textile and fabric finishing and coating mills		7.229	11,123	

Table 1. 1990 Census Industry Classification System and Its Redistribution into the Census 2000 Industry Classification System

1990 Census Codes and Categories		Census 2000 Codes and Categories		1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
		159	Textile product mills except carpets and rugs		5.422	8,343	
		167	Knitting mills		81.325	125,139	
		168	Cut and sew apparel manufacturing		6.024	9,270	
140	Dyeing and finishing textiles, except wool & knit			34,914			
		149	Textile and fabric finishing and coating mills		100.000	34,914	1
141	Carpets and rugs			74,239			
		157	Carpets and rugs manufacturing		100.000	74,239	1
142	Yarn, thread, and fabric mills			520,795			
		147	Fiber, yarn, and thread mills		17.241	89,792	
		148	Fabric mills, except knitting		81.466	424,268	
		159	Textile product mills except carpets and rugs		1.293	6,734	
150	Miscellaneous textile mill products			48,583			
		147	Fiber, yarn, and thread mills		4.651	2,260	
		148	Fabric mills, except knitting		39.535	19,207	
		149	Textile and fabric finishing and coating mills		12.791	6,214	
		159	Textile product mills except carpets and rugs		43.023	20,902	
151	Apparel and accessories, except knit			999,700			
		148	Fabric mills, except knitting		4.046	40,450	
		167	Knitting mills		4.046	40,450	
		168	Cut and sew apparel manufacturing		86.705	866,792	
		169	Apparel accessories and other apparel manufacturing		5.202	52,008	
152	Miscellaneous fabricated textile products			138,343			
		148	Fabric mills, except knitting		1.613	2,231	
		159	Textile product mills except carpets and rugs		76.344	105,617	
		167	Knitting mills		3.226	4,463	
		168	Cut and sew apparel manufacturing		5.376	7,438	
		169	Apparel accessories and other apparel manufacturing		1.075	1,488	
		199	Printing and related support activities		1.613	2,231	
		357	Motor vehicles and motor vehicle equipment manufacturing		10.215	14,132	
		398	Miscellaneous manufacturing, n.e.c.		0.538	744	
160	Pulp, paper, and paperboard mills			341,962			
		187	Pulp, paper, and paperboard mills		88.718	303,382	
		188	Paperboard containers and boxes		2.564	8,768	
		189	Miscellaneous paper and pulp products		7.692	26,305	
		387	Miscellaneous wood product manufacturing		1.026	3,507	
161	Miscellaneous paper and pulp products			171,783			
		188	Paperboard containers and boxes		1.282	2,202	
		189	Miscellaneous paper and pulp products		87.179	149,760	
		228	Soap, cleaning compound, and cosmetic manufacturing		0.641	1,101	
		237	Plastics product manufacturing		10.897	18,720	
162	Paperboard containers and boxes			161,500			
		188	Paperboard containers and boxes		96.552	155,931	2
		189	Miscellaneous paper and pulp products		3.448	5,569	

Table 1. 1990 Census Industry Classification System and Its Redistribution into the Census 2000 Industry Classification System

1990 Census Codes and Categories		Census 2000 Codes and Categories		1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
171	Newspaper publishing and printing			539,364			
		199	Printing and related support activities		0.901	4,859	
		647	Newspaper publishers		99.099	534,505	2
172	Printing, publishing, except newspapers			1,494,459			
		199	Printing and related support activities		68.534	1,024,220	
		648	Publishing except newspapers and software		31.034	463,798	
		659	Sound recording industries		0.431	6,442	
180	Plastics, synthetics, and resins			180,684			
		217	Resin, synthetic rubber and fibers, and filaments manufacturing		100.000	180,684	1
181	Drugs			272,178			
		219	Pharmaceutical and medicine manufacturing		100.000	272,178	1
182	Soaps and cosmetics			146,575			
		227	Paint, coating, and adhesives manufacturing		1.709	2,506	
		228	Soap, cleaning compound, and cosmetic manufacturing		98.291	144,069	2
190	Paints, varnishes, and related products			72,469			
		227	Paint, coating, and adhesives manufacturing		100.000	72,469	1
191	Agricultural chemicals			44,410			
		218	Agricultural chemical manufacturing		100.000	44,410	1
192	Industrial and miscellaneous chemicals			526,656			
		037	Oil and gas extraction		0.439	2,310	
		128	Seafood and other miscellaneous foods n.e.c.		1.316	6,930	
		217	Resin, synthetic rubber and fibers, and filaments manufacturing		4.386	23,099	
		227	Paint, coating, and adhesives manufacturing		3.070	16,169	
		228	Soap, cleaning compound, and cosmetic manufacturing		1.754	9,240	
		229	Industrial and miscellaneous chemicals		88.158	464,289	
		297	Ordnance		0.439	2,310	
		358	Aircraft and parts manufacturing		0.439	2,310	
200	Petroleum refining			166,406			
		207	Petroleum refining		100.000	166,406	1
201	Miscellaneous petroleum and coal products			25,748			
		209	Miscellaneous petroleum and coal products		100.000	25,748	1
210	Tires and inner tubes			99,667			
		238	Tire manufacturing		100.000	99,667	1
211	Other rubber products, & plastic footware			143,217			
		177	Footwear manufacturing		7.879	11,284	
		237	Plastics product manufacturing		7.273	10,416	
		239	Rubber products, except tires, manufacturing		68.485	98,082	
		357	Motor vehicles and motor vehicle equipment manufacturing		3.636	5,208	
		396	Medical equipment and supplies manufacturing		3.030	4,340	
		398	Miscellaneous manufacturing, n.e.c.		9.697	13,888	
212	Miscellaneous plastics products			481,336			
		217	Resin, synthetic rubber and fibers, and filaments manufacturing		9.000	43,320	
		237	Plastics product manufacturing		90.500	435,609	3

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1990 Census Codes and Categories				1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
		Census 2000 Codes and Categories					
		389	Furniture and fixtures		0.500	2,407	
220	Leather tanning and finishing			13,014			
		179	Leather tanning and products, except footwear manufacturing		100.000	13,014	1
221	Footwear, except rubber and plastic			91,711			
		177	Footwear manufacturing		98.958	90,756	2
		179	Leather tanning and products, except footwear manufacturing		1.042	955	
222	Leather products, except footwear			44,492			
		168	Cut and sew apparel manufacturing		4.167	1,854	
		179	Leather tanning and products, except footwear manufacturing		93.750	41,711	3
		398	Miscellaneous manufacturing, n.e.c.		2.083	927	
230	Logging			164,365			
		027	Logging		96.454	158,536	2
		377	Sawmills and wood preservation		3.546	5,829	
231	Sawmills, planing mills, and millwork			401,357			
		287	Structural metals and tank and shipping container manufacturing		1.333	5,351	
		377	Sawmills and wood preservation		29.333	117,731	
		378	Veneer, plywood, and engineered wood product manufacturing		20.667	82,947	
		387	Miscellaneous wood product manufacturing		39.333	157,867	
		389	Furniture and fixtures		9.333	37,460	
232	Wood buildings and mobile homes			50,175			
		379	Prefabricated wood buildings and mobile homes manufacturing		100.000	50,175	1
241	Miscellaneous wood products			150,389			
		237	Plastics product manufacturing		1.333	2,005	
		377	Sawmills and wood preservation		9.333	14,036	
		378	Veneer, plywood, and engineered wood product manufacturing		6.667	10,026	
		387	Miscellaneous wood product manufacturing		66.667	100,259	
		389	Furniture and fixtures		4.667	7,018	
		398	Miscellaneous manufacturing, n.e.c.		11.333	17,044	
242	Furniture and fixtures			615,906			
		357	Motor vehicles and motor vehicle equipment manufacturing		2.174	13,389	
		389	Furniture and fixtures		95.652	589,127	2
		396	Medical equipment and supplies manufacturing		1.630	10,042	
		398	Miscellaneous manufacturing, n.e.c.		0.543	3,347	
250	Glass and glass products			220,961			
		249	Glass and glass product manufacturing		99.265	219,336	2
		856	Independent artists, performing arts, spectator sports, & related industries		0.735	1,625	
251	Cement, concrete, gypsum, & plaster products			145,561			
		257	Cement, concrete, lime, and gypsum product manufacturing		96.154	139,963	2
		259	Miscellaneous nonmetallic mineral product manufacturing		3.846	5,599	
252	Structural clay products			47,114			
		248	Structural clay product manufacturing		100.000	47,114	1
261	Pottery and related products			44,789			
		247	Pottery, ceramics, and related products manufacturing		100.000	44,789	1

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1990 Census Codes and Categories				1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
			Census 2000 Codes and Categories				
262	Miscellaneous nonmetallic mineral & stone products			118,064			
		229	Industrial and miscellaneous chemicals		2.469	2,915	
		247	Pottery, ceramics, and related products manufacturing		1.235	1,458	
		248	Structural clay product manufacturing		7.407	8,745	
		257	Cement, concrete, lime, and gypsum product manufacturing		3.704	4,373	
		259	Miscellaneous nonmetallic mineral product manufacturing		81.481	96,200	
		357	Motor vehicles and motor vehicle equipment manufacturing		3.704	4,373	
270	Blast furnaces, steelworks, rolling & finishing			411,210			
		209	Miscellaneous petroleum and coal products		1.974	8,116	
		267	Iron and steel mills and steel product manufacturing		88.158	362,514	
		277	Foundries		1.974	8,116	
		298	Miscellaneous fabricated metal products manufacturing		7.895	32,464	
271	Iron and steel foundries			111,518			
		277	Foundries		100.000	111,518	1
272	Primary aluminum industries			147,069			
		268	Aluminum production and processing		73.333	107,851	
		277	Foundries		26.667	39,218	
280	Other primary metal industries			162,392			
		267	Iron and steel mills and steel product manufacturing		0.800	1,299	
		269	Nonferrous metal, except aluminum, production and processing		67.200	109,127	
		277	Foundries		15.200	24,684	
		289	Coating, engraving, heat treating and allied activities		6.400	10,393	
		349	Electrical machinery, equipment, and supplies manufacturing, n.e.c.		10.400	16,889	
281	Cutlery, handtools, & general hardware			131,679			
		279	Cutlery and hand tool manufacturing		50.000	65,840	
		287	Structural metals and tank and shipping container manufacturing		2.239	2,948	
		288	Machine shops; turned product; screw nut and bolt manufacturing		1.493	1,965	
		298	Miscellaneous fabricated metal products manufacturing		44.030	57,978	
		317	Metalworking machinery manufacturing		1.493	1,965	
		357	Motor vehicles and motor vehicle equipment manufacturing		0.746	983	
282	Fabricated structural metal products			408,558			
		287	Structural metals and tank and shipping container manufacturing		92.157	376,514	3
		298	Miscellaneous fabricated metal products manufacturing		7.843	32,044	
290	Screw machine products			60,716			
		288	Machine shops; turned product; screw nut and bolt manufacturing		100.000	60,716	1
291	Metal forgings and stampings			154,210			
		247	Pottery, ceramics, and related products manufacturing		1.515	2,337	
		278	Metal forgings and stampings		66.667	102,807	
		279	Cutlery and hand tool manufacturing		6.818	10,514	
		287	Structural metals and tank and shipping container manufacturing		1.515	2,337	
		298	Miscellaneous fabricated metal products manufacturing		0.758	1,168	
		309	Commercial and service industry machinery manufacturing		1.515	2,337	
		357	Motor vehicles and motor vehicle equipment manufacturing		18.939	29,206	

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1990 Census Codes and Categories				1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
		Census 2000 Codes and Categories					
		398	Miscellaneous manufacturing, n.e.c.		2.273	3,505	
292	Ordnance			84,233			
		297	Ordnance		95.789	80,686	2
		309	Commercial and service industry machinery manufacturing		4.211	3,547	
300	Miscellaneous fabricated metal products			361,371			
		267	Iron and steel mills and steel product manufacturing		0.526	1,902	
		279	Cutlery and hand tool manufacturing		0.526	1,902	
		287	Structural metals and tank and shipping container manufacturing		13.684	49,451	
		289	Coating, engraving, heat treating and allied activities		29.474	106,509	
		298	Miscellaneous fabricated metal products manufacturing		50.526	182,587	
		319	Machinery manufacturing, n.e.c.		4.211	15,216	
		398	Miscellaneous manufacturing, n.e.c.		0.526	1,902	
		877	Automotive repair and maintenance		0.526	1,902	
301	Not specified metal industries			46,985			
		299	Not specified metal industries		100.000	46,985	1
310	Engines and turbines			84,873			
		318	Engines, turbines, and power transmission equipment manufacturing		84.252	71,507	
		357	Motor vehicles and motor vehicle equipment manufacturing		15.748	13,366	
311	Farm machinery and equipment			101,752			
		279	Cutlery and hand tool manufacturing		0.725	737	
		307	Agricultural implement manufacturing		95.652	97,328	2
		319	Machinery manufacturing, n.e.c.		3.623	3,687	
312	Construction & material handling machines			220,543			
		298	Miscellaneous fabricated metal products manufacturing		0.662	1,461	
		308	Construction mining and oil field machinery manufacturing		57.616	127,068	
		319	Machinery manufacturing, n.e.c.		41.722	92,015	
320	Metalworking machinery			320,630			
		279	Cutlery and hand tool manufacturing		6.369	20,422	
		317	Metalworking machinery manufacturing		79.618	255,279	
		319	Machinery manufacturing, n.e.c.		13.376	42,887	
		357	Motor vehicles and motor vehicle equipment manufacturing		0.637	2,042	
321	Office and accounting machines			51,415			
		309	Commercial and service industry machinery manufacturing		93.636	48,143	3
		319	Machinery manufacturing, n.e.c.		0.909	467	
		338	Navigational, measuring, electromedical, and control instruments mfg.		4.545	2,337	
		398	Miscellaneous manufacturing, n.e.c.		0.909	467	
322	Computers and related equipment			560,983			
		309	Commercial and service industry machinery manufacturing		1.596	8,952	
		336	Computer and peripheral equipment manufacturing		93.085	522,192	3
		337	Communications, audio, and video equipment manufacturing		1.064	5,968	
		339	Electronic component and product manufacturing, n.e.c.		4.255	23,872	
331	Machinery, except electrical, n.e.c.			1,081,393			
		287	Structural metals and tank and shipping container manufacturing		0.481	5,199	

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1990 Census Codes and Categories		Census 2000 Codes and Categories		1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
		288	Machine shops; turned product; screw nut and bolt manufacturing		27.885	301,542	
		298	Miscellaneous fabricated metal products manufacturing		5.769	62,388	
		307	Agricultural implement manufacturing		0.481	5,199	
		309	Commercial and service industry machinery manufacturing		2.404	25,995	
		318	Engines, turbines, and power transmission equipment manufacturing		2.885	31,194	
		319	Machinery manufacturing, n.e.c.		53.365	577,090	
		357	Motor vehicles and motor vehicle equipment manufacturing		5.288	57,189	
		398	Miscellaneous manufacturing, n.e.c.		0.962	10,398	
		887	Commercial & industrial machinery & equipment repair & maintenance		0.481	5,199	
332	Not specified machinery			55,317			
		329	Not specified machinery manufacturing		100.000	55,317	1
340	Household appliances			135,206			
		319	Machinery manufacturing, n.e.c.		3.670	4,962	
		347	Household appliance manufacturing		94.495	127,763	3
		398	Miscellaneous manufacturing, n.e.c.		1.835	2,481	
341	Radio, TV, and communication equipment			423,732			
		309	Commercial and service industry machinery manufacturing		1.282	5,432	
		319	Machinery manufacturing, n.e.c.		1.282	5,432	
		337	Communications, audio, and video equipment manufacturing		71.795	304,218	
		339	Electronic component and product manufacturing, n.e.c.		25.641	108,649	
342	Electrical machinery, equipment, & supplies			1,086,096			
		309	Commercial and service industry machinery manufacturing		0.772	8,387	
		338	Navigational, measuring, electromedical, and control instruments mfg.		0.772	8,387	
		339	Electronic component and product manufacturing, n.e.c.		40.154	436,116	
		349	Electrical machinery, equipment, and supplies manufacturing, n.e.c.		54.054	587,079	
		357	Motor vehicles and motor vehicle equipment manufacturing		4.247	46,128	
350	Not specified electric machinery, equipment, and supplies			358,819			
		339	Electronic component and product manufacturing, n.e.c.		18.831	67,570	
		349	Electrical machinery, equipment, and supplies manufacturing, n.e.c.		81.169	291,249	
351	Motor vehicles & motor vehicle equipment			1,215,133			
		318	Engines, turbines, and power transmission equipment manufacturing		1.810	21,993	
		357	Motor vehicles and motor vehicle equipment manufacturing		96.380	1,171,146	2
		369	Other transportation equipment manufacturing		0.905	10,997	
		729	Architectural, engineering, and related services		0.905	10,997	
352	Aircraft and parts			661,686			
		298	Miscellaneous fabricated metal products manufacturing		0.595	3,939	
		358	Aircraft and parts manufacturing		99.405	657,747	2
360	Ship and boat building and repairing			293,059			
		368	Ship and boat building		98.788	289,507	2
		888	Personal and household goods repair and maintenance		1.212	3,552	
361	Railroad locomotives and equipment			28,203			
		319	Machinery manufacturing, n.e.c.		2.727	769	
		367	Railroad rolling stock manufacturing		97.273	27,434	2

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			Census 2000 Codes and Categories				
362	Guided missiles, space vehicles, & parts			405,860			
		359	Aerospace product and parts manufacturing		100.000	405,860	1
370	Cycles and miscellaneous transportation equipment			62,869			
		357	Motor vehicles and motor vehicle equipment manufacturing		43.056	27,069	
		368	Ship and boat building		1.389	873	
		369	Other transportation equipment manufacturing		55.556	34,927	
371	Scientific and controlling instruments			233,096			
		298	Miscellaneous fabricated metal products manufacturing		2.597	6,054	
		338	Navigational, measuring, electromedical, and control instruments mfg.		90.909	211,905	3
		358	Aircraft and parts manufacturing		5.195	12,109	
		396	Medical equipment and supplies manufacturing		1.299	3,027	
372	Medical, dental, & optical instruments			304,374			
		309	Commercial and service industry machinery manufacturing		0.676	2,057	
		338	Navigational, measuring, electromedical, and control instruments mfg.		10.811	32,905	
		349	Electrical machinery, equipment, and supplies manufacturing, n.e.c.		0.676	2,057	
		396	Medical equipment and supplies manufacturing		87.838	267,356	
380	Photographic equipment and supplies			108,223			
		229	Industrial and miscellaneous chemicals		13.534	14,647	
		309	Commercial and service industry machinery manufacturing		86.466	93,576	
381	Watches, clocks, & clockwork operated devices			14,231			
		338	Navigational, measuring, electromedical, and control instruments mfg.		100.000	14,231	1
390	Toys, amusement, and sporting goods			144,896			
		369	Other transportation equipment manufacturing		2.027	2,937	
		389	Furniture and fixtures		1.351	1,958	
		397	Toys, amusement, and sporting goods manufacturing		96.622	140,001	2
391	Miscellaneous manufacturing industries			379,881			
		107	Animal food, grain, and oilseed milling		1.266	4,809	
		159	Textile product mills except carpets and rugs		1.266	4,809	
		199	Printing and related support activities		2.532	9,617	
		237	Plastics product manufacturing		3.797	14,426	
		249	Glass and glass product manufacturing		0.633	2,404	
		289	Coating, engraving, heat treating and allied activities		1.266	4,809	
		298	Miscellaneous fabricated metal products manufacturing		5.063	19,234	
		309	Commercial and service industry machinery manufacturing		0.633	2,404	
		338	Navigational, measuring, electromedical, and control instruments mfg.		1.266	4,809	
		339	Electronic component and product manufacturing, n.e.c.		1.899	7,213	
		347	Household appliance manufacturing		0.633	2,404	
		349	Electrical machinery, equipment, and supplies manufacturing, n.e.c.		0.633	2,404	
		387	Miscellaneous wood product manufacturing		0.633	2,404	
		389	Furniture and fixtures		1.266	4,809	
		396	Medical equipment and supplies manufacturing		0.633	2,404	
		397	Toys, amusement, and sporting goods manufacturing		0.633	2,404	
		398	Miscellaneous manufacturing, n.e.c.		75.949	288,517	

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1990 Census Codes and Categories				1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
			Census 2000 Codes and Categories				
392	Not specified manufacturing industries			788,385			
		398	Miscellaneous manufacturing, n.e.c.		6.536	51,528	
		399	Not specified manufacturing industries		93.464	736,857	3
400	Railroads			352,780			
		608	Rail transportation		88.701	312,918	
		628	Scenic and sightseeing transportation		0.565	1,993	
		629	Services incidental to transportation		10.169	35,876	
		767	Travel arrangement and reservation services		0.565	1,993	
401	Bus service and urban transit			448,697			
		618	Bus service and urban transit		79.736	357,772	
		619	Taxi and limousine service		5.727	25,696	
		628	Scenic and sightseeing transportation		1.762	7,907	
		818	Other health care services		11.894	53,369	
		957	Administration of economic programs and space research		0.881	3,953	
402	Taxicab service			115,874			
		619	Taxi and limousine service		100.000	115,874	1
410	Trucking service			1,865,006			
		617	Truck transportation		75.000	1,398,755	
		629	Services incidental to transportation		3.070	57,259	
		637	Postal Service		0.877	16,360	
		638	Courier and messengers		16.228	302,654	
		639	Warehousing and storage		0.439	8,180	
		779	Waste management and remediation services		4.386	81,799	
411	Warehousing and storage			222,844			
		617	Truck transportation		3.093	6,892	
		639	Warehousing and storage		86.598	192,978	
		707	Real estate		10.309	22,974	
412	U.S. Postal Service			880,709			
		637	Postal Service		100.000	880,709	1
420	Water transportation			162,181			
		609	Water transportation		42.515	68,951	
		628	Scenic and sightseeing transportation		7.784	12,625	
		629	Services incidental to transportation		32.934	53,413	
		767	Travel arrangement and reservation services		7.784	12,625	
		859	Other amusement, gambling, and recreation industries		8.982	14,567	
421	Air transportation			783,193			
		358	Aircraft and parts manufacturing		1.523	11,927	
		607	Air transportation		81.726	640,071	
		629	Services incidental to transportation		13.706	107,341	
		638	Courier and messengers		1.523	11,927	
		767	Travel arrangement and reservation services		1.015	7,951	
		769	Services to buildings and dwellings		0.508	3,976	
422	Pipe lines, except natural gas			13,409			

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1990 Census Codes and Categories				1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
		Census 2000 Codes and Categories					
		627	Pipeline transportation		100.000	13,409	1
432	Services incidental to transportation			531,998			
		628	Scenic and sightseeing transportation		3.896	20,727	
		629	Services incidental to transportation		42.857	227,999	
		719	Commercial, industrial, and other intangible assets rental and leasing		0.649	3,455	
		767	Travel arrangement and reservation services		52.597	279,817	
440	Radio & television broadcasting & cable			427,797			
		077	Construction		4.975	21,283	
		667	Radio and television broadcasting and cable		93.532	400,129	3
		669	Other telecommunication services		1.493	6,385	
441	Telephone communications			1,186,313			
		077	Construction		1.481	17,575	
		668	Wired telecommunications carriers		67.407	799,663	
		669	Other telecommunication services		31.111	369,075	
442	Telegraph & miscellaneous communication services			53,265			
		668	Wired telecommunications carriers		32.258	17,182	
		669	Other telecommunication services		45.161	24,055	
		689	Non-depository credit and related activities		16.129	8,591	
		759	Business support services		6.452	3,436	
450	Electric light and power			664,706			
		057	Electric power generation transmission and distribution		98.000	651,412	2
		069	Not specified utilities		2.000	13,294	
451	Gas and steam supply systems			175,673			
		058	Natural gas distribution		73.096	128,411	
		059	Electric and gas and other combinations		1.015	1,783	
		067	Water, steam, air-conditioning, and irrigation systems		1.523	2,675	
		627	Pipeline transportation		24.365	42,804	
452	Electric and gas, and other combinations			141,622			
		059	Electric and gas and other combinations		100.000	141,622	1
470	Water supply and irrigation			191,634			
		067	Water, steam, air-conditioning, and irrigation systems		96.835	185,570	2
		068	Sewage treatment facilities		3.165	6,064	
471	Sanitary services			254,827			
		067	Water, steam, air-conditioning, and irrigation systems		1.765	4,497	
		068	Sewage treatment facilities		32.353	82,444	
		629	Services incidental to transportation		2.353	5,996	
		769	Services to buildings and dwellings		1.765	4,497	
		779	Waste management and remediation services		54.706	139,405	
		948	Administration of human resource programs		1.176	2,998	
		949	Administration of environmental quality and housing programs		5.882	14,990	
472	Not specified utilities			102,384			
		069	Not specified utilities		100.000	102,384	1
500	Motor vehicles and equipment			344,499			

Table 1. 1990 Census Industry Classification System and Its Redistribution into the Census 2000 Industry Classification System

1990 Census Codes and Categories		Census 2000 Codes and Categories		1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
		407	Motor vehicles, parts and supplies wholesalers		100.000	344,499	1
501	Furniture and home furnishings			111,567			
		408	Furniture and home furnishing wholesalers		100.000	111,567	1
502	Lumber and construction materials			183,506			
		409	Lumber and other construction materials wholesalers		100.000	183,506	1
510	Professional and commercial equipment			178,231			
		417	Professional and commercial equipment and supplies wholesalers		96.639	172,240	2
		429	Miscellaneous durable goods wholesalers		3.361	5,991	
511	Metals and minerals, except petroleum			98,243			
		418	Metals and minerals, except petroleum, wholesalers		94.118	92,464	3
		427	Machinery, equipment, and supplies wholesalers		5.882	5,779	
512	Electrical goods			375,266			
		417	Professional and commercial equipment and supplies wholesalers		4.706	17,660	
		419	Electrical goods wholesalers		95.294	357,606	2
521	Hardware, plumbing and heating supplies			317,537			
		077	Construction		12.195	38,724	
		426	Hardware, plumbing and heating equipment, and supplies wholesalers		87.805	278,813	
530	Machinery, equipment, and supplies			952,948			
		426	Hardware, plumbing and heating equipment, and supplies wholesalers		0.901	8,585	
		427	Machinery, equipment, and supplies wholesalers		99.099	944,363	2
531	Scrap and waste materials			157,741			
		428	Recyclable material wholesalers		100.000	157,741	1
532	Miscellaneous wholesale, durable goods			111,744			
		429	Miscellaneous durable goods wholesalers		100.000	111,744	1
540	Paper and paper products			135,708			
		437	Paper and paper product wholesalers		100.000	135,708	1
541	Drugs, chemicals and allied products			205,307			
		417	Professional and commercial equipment and supplies wholesalers		2.222	4,562	
		438	Drugs, sundries, and chemical and allied product wholesalers		97.778	200,745	2
542	Apparel, fabrics, and notions			152,804			
		149	Textile and fabric finishing and coating mills		6.250	9,550	
		439	Apparel, fabrics, and notions wholesalers		93.750	143,254	3
550	Groceries and related products			860,159			
		447	Groceries and related product wholesalers		99.543	856,231	2
		448	Farm product raw material wholesalers		0.457	3,928	
551	Farm-product raw materials			70,452			
		448	Farm product raw material wholesalers		88.421	62,294	
		457	Farm supplies wholesalers		11.579	8,158	
552	Petroleum products			178,884			
		449	Petroleum and petroleum product wholesalers		100.000	178,884	1
560	Alcoholic beverages			127,390			
		456	Alcoholic beverage wholesalers		100.000	127,390	1
561	Farm supplies			118,272			

Table 1. 1990 Census Industry Classification System and Its Redistribution into the Census 2000 Industry Classification System

1990 Census Codes and Categories				1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
		Census 2000 Codes and Categories					
		017	Crop production		1.887	2,232	
		107	Animal food, grain, and oilseed milling		2.516	2,975	
		438	Drugs, sundries, and chemical and allied product wholesalers		2.516	2,975	
		457	Farm supplies wholesalers		72.327	85,543	
		489	Lawn and garden equipment and supplies stores		20.755	24,547	
562	Miscellaneous wholesale, nondurable goods			233,397			
		429	Miscellaneous durable goods wholesalers		1.000	2,334	
		458	Miscellaneous nondurable goods wholesalers		97.000	226,395	2
		747	Advertising and related services		2.000	4,668	
571	Not specified wholesale trade			403,125			
		429	Miscellaneous durable goods wholesalers		7.547	30,425	
		459	Not specified wholesale trade		92.453	372,700	3
580	Lumber and building material retailing			507,440			
		077	Construction		2.691	13,653	
		409	Lumber and other construction materials wholesalers		3.587	18,204	
		487	Building material and supplies dealers		92.377	468,756	3
		488	Hardware stores		1.345	6,827	
581	Hardware stores			205,629			
		487	Building material and supplies dealers		6.509	13,384	
		488	Hardware stores		92.308	189,811	3
		489	Lawn and garden equipment and supplies stores		1.183	2,433	
582	Retail nurseries and garden stores			83,728			
		489	Lawn and garden equipment and supplies stores		100.000	83,728	1
590	Mobile home dealers			27,726			
		558	Miscellaneous retail stores		100.000	27,726	1
591	Department stores			1,919,006			
		538	Department stores		100.000	1,919,006	1
592	Variety stores			103,654			
		539	Miscellaneous general merchandise stores		100.000	103,654	1
600	Miscellaneous general merchandise stores			158,669			
		539	Miscellaneous general merchandise stores		100.000	158,669	1
601	Grocery stores			3,126,942			
		497	Grocery stores		96.714	3,024,179	2
		539	Miscellaneous general merchandise stores		1.408	44,041	
		639	Warehousing and storage		0.939	29,361	
		868	Restaurants and other food services		0.939	29,361	
602	Dairy products stores			54,746			
		497	Grocery stores		3.810	2,086	
		498	Specialty food stores		80.000	43,797	
		868	Restaurants and other food services		16.190	8,864	
610	Retail bakeries			239,273			
		119	Retail bakeries		78.818	188,590	
		127	Bakeries except retail		3.941	9,429	

Table 1. 1990 Census Industry Classification System and Its Redistribution into the Census 2000 Industry Classification System

1990 Census Codes and Categories				1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
		Census 2000 Codes and Categories					
		498	Specialty food stores		1.478	3,536	
		868	Restaurants and other food services		15.764	37,718	
611	Food stores n.e.c.			173,243			
		498	Specialty food stores		91.946	159,291	3
		508	Health and personal care, except drug, stores		4.698	8,139	
		569	Other direct selling establishments		3.356	5,814	
612	Motor vehicle dealers			1,189,447			
		467	Automobile dealers		100.000	1,189,447	1
620	Auto and home supply stores			379,346			
		469	Auto parts, accessories, and tire stores		100.000	379,346	1
621	Gasoline service stations			568,280			
		509	Gasoline stations		100.000	568,280	1
622	Miscellaneous vehicle dealers			92,691			
		468	Other motor vehicle dealers		100.000	92,691	1
623	Apparel & accessory stores, except shoes			888,103			
		168	Cut and sew apparel manufacturing		8.025	71,268	
		517	Clothing and accessories, except shoe, stores		88.272	783,943	
		519	Jewelry, luggage, and leather goods stores		0.617	5,482	
		527	Sporting goods, camera, and hobby and toy stores		2.469	21,928	
		549	Used merchandise stores		0.617	5,482	
630	Shoe stores			178,910			
		518	Shoe stores		100.000	178,910	1
631	Furniture and home furnishings stores			578,444			
		389	Furniture and fixtures		7.568	43,774	
		477	Furniture and home furnishings stores		91.351	528,416	3
		528	Sewing, needlework and piece goods stores		1.081	6,253	
632	Household appliance stores			114,034			
		478	Household appliance stores		92.920	105,961	3
		487	Building material and supplies dealers		1.770	2,018	
		528	Sewing, needlework and piece goods stores		5.310	6,055	
633	Radio, TV, and computer stores			373,972			
		479	Radio, TV, and computer stores		97.661	365,224	2
		529	Music stores		2.339	8,748	
640	Music stores			115,370			
		529	Music stores		100.000	115,370	1
641	Eating and drinking places			6,087,034			
		509	Gasoline stations		0.829	50,445	
		859	Other amusement, gambling, and recreation industries		0.552	33,630	
		866	Traveler accommodation		0.829	50,445	
		868	Restaurants and other food services		94.475	5,750,734	3
		869	Drinking places, alcoholic beverages		3.315	201,780	
642	Drug stores			615,816			
		507	Pharmacies and drug stores		98.324	605,495	2

Table 1. 1990 Census Industry Classification System and Its Redistribution into the Census 2000 Industry Classification System

1990 Census Codes and Categories				1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
		Census 2000 Codes and Categories					
		508	Health and personal care, except drug, stores		1.676	10,321	
650	Liquor stores			156,401			
		499	Beer, wine, and liquor stores		93.421	146,111	3
		558	Miscellaneous retail stores		6.579	10,290	
651	Sporting goods, bicycles, & hobby stores			316,361			
		247	Pottery, ceramics, and related products manufacturing		0.524	1,656	
		429	Miscellaneous durable goods wholesalers		0.524	1,656	
		527	Sporting goods, camera, and hobby and toy stores		98.429	311,392	2
		558	Miscellaneous retail stores		0.524	1,656	
652	Book and stationery stores			222,316			
		537	Book stores and news dealers		45.455	101,053	
		548	Office supplies and stationary stores		54.545	121,263	
660	Jewelry stores			194,001			
		398	Miscellaneous manufacturing, n.e.c.		2.778	5,389	
		519	Jewelry, luggage, and leather goods stores		97.222	188,612	2
661	Gift, novelty, and souvenir shops			193,749			
		557	Gift, novelty, and souvenir shops		100.000	193,749	1
662	Sewing, needlework & piece goods stores			63,905			
		528	Sewing, needlework and piece goods stores		100.000	63,905	1
663	Catalog and mail order houses			158,300			
		479	Radio, TV, and computer stores		3.876	6,136	
		559	Electronic shopping and mail-order houses		96.124	152,164	2
670	Vending machine operators			79,940			
		567	Vending machine operators		100.000	79,940	1
671	Direct selling establishments			219,154			
		498	Specialty food stores		1.205	2,640	
		569	Other direct selling establishments		95.181	208,592	2
		868	Restaurants and other food services		3.614	7,921	
672	Fuel dealers			122,900			
		568	Fuel dealers		100.000	122,900	1
681	Retail florists			196,844			
		547	Retail florists		100.000	196,844	1
682	Miscellaneous retail stores			632,622			
		469	Auto parts, accessories, and tire stores		2.174	13,753	
		477	Furniture and home furnishings stores		3.804	24,067	
		479	Radio, TV, and computer stores		3.804	24,067	
		508	Health and personal care, except drug, stores		25.000	158,156	
		537	Book stores and news dealers		3.261	20,629	
		548	Office supplies and stationary stores		1.630	10,314	
		549	Used merchandise stores		18.478	116,898	
		557	Gift, novelty, and souvenir shops		0.543	3,438	
		558	Miscellaneous retail stores		38.043	240,671	
		689	Non-depository credit and related activities		3.261	20,629	

Table 1. 1990 Census Industry Classification System and Its Redistribution into the Census 2000 Industry Classification System

1990 Census Codes and Categories		Census 2000 Codes and Categories		1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
691	Not specified retail trade			747,009			
		579	Not specified retail trade		100.000	747,009	1
700	Banking			2,165,602			
		687	Banking and related activities		92.040	1,993,216	3
		689	Non-depository credit and related activities		5.473	118,516	
		697	Securities, commodities, funds, trusts, and other financial investments		0.995	21,548	
		959	National security and international affairs		1.493	32,322	
701	Savings institutions, including credit unions			281,388			
		688	Savings institutions, including credit unions		100.000	281,388	1
702	Credit agencies, n.e.c.			453,285			
		687	Banking and related activities		3.488	15,812	
		688	Savings institutions, including credit unions		1.163	5,271	
		689	Non-depository credit and related activities		90.116	408,484	3
		697	Securities, commodities, funds, trusts, and other financial investments		5.233	23,718	
710	Security, commodity brokerage, & investments			723,754			
		697	Securities, commodities, funds, trusts, and other financial investments		98.246	711,057	2
		719	Commercial, industrial, and other intangible assets rental and leasing		0.585	4,232	
		757	Management of companies and enterprises		0.585	4,232	
		917	Civic, social, advocacy organizations, and grantmaking and giving services		0.585	4,232	
711	Insurance			2,517,725			
		697	Securities, commodities, funds, trusts, and other financial investments		1.031	25,956	
		699	Insurance carriers and related activities		96.907	2,439,857	2
		729	Architectural, engineering, and related services		0.515	12,978	
		739	Management, scientific and technical consulting services		1.546	38,934	
712	Real estate, including real estate-insurance offices			2,102,900			
		077	Construction		3.465	72,873	
		697	Securities, commodities, funds, trusts, and other financial investments		0.495	10,410	
		707	Real estate		87.129	1,832,230	
		727	Legal services		1.980	41,642	
		829	Residential care facilities, without nursing		1.485	31,231	
		866	Traveler accommodation		0.990	20,821	
		908	Funeral homes, cemeteries and crematories		4.455	93,694	
721	Advertising			326,980			
		747	Advertising and related services		100.000	326,980	1
722	Services to dwellings & other buildings			830,160			
		769	Services to buildings and dwellings		100.000	830,160	1
731	Personnel supply services			547,102			
		739	Management, scientific and technical consulting services		5.747	31,443	
		758	Employment services		86.782	474,784	
		808	Offices of other health practitioners		4.598	25,154	
		856	Independent artists, performing arts, spectator sports, & related industries		2.874	15,721	
732	Computer and data processing services			764,369			
		339	Electronic component and product manufacturing, n.e.c.		3.125	23,887	

Table 1. 1990 Census Industry Classification System and Its Redistribution into the Census 2000 Industry Classification System

1990 Census Codes and Categories				1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
		Census 2000 Codes and Categories					
		649	Software publishing		6.250	47,773	
		678	Other information services		1.250	9,555	
		679	Data processing services		25.625	195,870	
		719	Commercial, industrial, and other intangible assets rental and leasing		2.500	19,109	
		738	Computer systems design and related services		55.625	425,180	
		879	Electronic and precision equipment repair and maintenance		5.625	42,996	
740	Detective and protective services			424,969			
		469	Auto parts, accessories, and tire stores		0.625	2,656	
		678	Other information services		1.250	5,312	
		768	Investigation and security services		98.125	417,001	2
741	Business services, n.e.c.			1,311,768			
		029	Support activities for agriculture and forestry		0.256	3,355	
		049	Support activities for mining		0.256	3,355	
		077	Construction		1.790	23,484	
		199	Printing and related support activities		0.767	10,065	
		558	Miscellaneous retail stores		1.279	16,775	
		629	Services incidental to transportation		0.512	6,710	
		637	Postal Service		0.767	10,065	
		638	Courier and messengers		0.512	6,710	
		648	Publishing except newspapers and software		0.512	6,710	
		659	Sound recording industries		2.558	33,549	
		667	Radio and television broadcasting and cable		0.512	6,710	
		669	Other telecommunication services		0.256	3,355	
		678	Other information services		1.023	13,420	
		679	Data processing services		1.023	13,420	
		689	Non-depository credit and related activities		1.023	13,420	
		697	Securities, commodities, funds, trusts, and other financial investments		1.023	13,420	
		708	Automotive equipment rental and leasing		0.512	6,710	
		718	Other consumer goods rental		4.348	57,033	
		719	Commercial, industrial, and other intangible assets rental and leasing		1.023	13,420	
		727	Legal services		0.512	6,710	
		729	Architectural, engineering, and related services		3.069	40,259	
		737	Specialized design services		13.555	177,810	
		738	Computer systems design and related services		0.256	3,355	
		739	Management, scientific and technical consulting services		1.790	23,484	
		747	Advertising and related services		7.161	93,937	
		749	Other professional, scientific and technical services		6.394	83,873	
		758	Employment services		1.023	13,420	
		759	Business support services		32.992	432,783	
		767	Travel arrangement and reservation services		0.512	6,710	
		769	Services to buildings and dwellings		1.790	23,484	
		777	Landscaping services		0.256	3,355	
		778	Other administrative and other support services		4.092	53,678	

Table 1. 1990 Census Industry Classification System and Its Redistribution into the Census 2000 Industry Classification System

1990 Census Codes and Categories				1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
		Census 2000 Codes and Categories					
		779	Waste management and remediation services		0.512	6,710	
		856	Independent artists, performing arts, spectator sports, & related industries		0.512	6,710	
		859	Other amusement, gambling, and recreation industries		0.256	3,355	
		879	Electronic and precision equipment repair and maintenance		0.256	3,355	
		909	Other personal services		5.115	67,098	
742	Automotive rental and leasing, without drivers			147,729			
		708	Automotive equipment rental and leasing		100.000	147,729	1
750	Automobile parking and carwashes			157,650			
		878	Car washes		63.473	100,065	
		909	Other personal services		36.527	57,585	
751	Automotive repair and related services			1,027,434			
		238	Tire manufacturing		1.081	11,107	
		629	Services incidental to transportation		7.568	77,752	
		877	Automotive repair and maintenance		91.351	938,575	3
752	Electrical repair shops			93,551			
		349	Electrical machinery, equipment, and supplies manufacturing, n.e.c.		5.042	4,717	
		478	Household appliance stores		2.521	2,358	
		479	Radio, TV, and computer stores		12.605	11,792	
		879	Electronic and precision equipment repair and maintenance		66.387	62,105	
		887	Commercial & industrial machinery & equipment repair & maintenance		6.723	6,289	
		888	Personal and household goods repair and maintenance		6.723	6,289	
760	Miscellaneous repair services			412,363			
		029	Support activities for agriculture and forestry		0.685	2,824	
		077	Construction		5.479	22,595	
		527	Sporting goods, camera, and hobby and toy stores		0.685	2,824	
		629	Services incidental to transportation		0.685	2,824	
		768	Investigation and security services		6.164	25,420	
		769	Services to buildings and dwellings		2.055	8,473	
		779	Waste management and remediation services		2.055	8,473	
		856	Independent artists, performing arts, spectator sports, & related industries		2.055	8,473	
		877	Automotive repair and maintenance		3.425	14,122	
		879	Electronic and precision equipment repair and maintenance		4.795	19,771	
		887	Commercial & industrial machinery & equipment repair & maintenance		30.822	127,098	
		888	Personal and household goods repair and maintenance		41.096	169,464	
761	Private households			682,195			
		817	Home health care services		2.959	20,183	
		929	Private households		97.041	662,012	2
762	Hotels and motels			1,317,779			
		707	Real estate		0.495	6,524	
		866	Traveler accommodation		99.505	1,311,255	2
770	Lodging places,exc hotels & motels			98,317			
		707	Real estate		34.969	34,381	
		866	Traveler accommodation		2.454	2,413	

Table 1. 1990 Census Industry Classification System and Its Redistribution into the Census 2000 Industry Classification System

1990 Census Codes and Categories		Census 2000 Codes and Categories		1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
		867	Recreational vehicle parks and camps, and rooming and boarding houses		62.577	61,524	
771	Laundry, cleaning, and garment services			494,271			
		769	Services to buildings and dwellings		17.045	84,251	
		888	Personal and household goods repair and maintenance		2.273	11,233	
		907	Drycleaning and laundry services		80.682	398,787	
772	Beauty shops			740,421			
		788	Business, technical, and trade schools and training		3.960	29,324	
		898	Beauty salons		90.594	670,777	3
		899	Nail salons and other personal care services		5.446	40,320	
780	Barber shops			82,570			
		788	Business, technical, and trade schools and training		3.333	2,752	
		897	Barber shops		96.667	79,818	2
781	Funeral service and crematories			86,581			
		908	Funeral homes, cemeteries and crematories		100.000	86,581	1
782	Shoe repair shops			19,743			
		889	Footwear and leather goods repair		93.514	18,462	3
		907	Drycleaning and laundry services		0.541	107	
		909	Other personal services		5.946	1,174	
790	Dressmaking shops			35,411			
		159	Textile product mills except carpets and rugs		6.349	2,248	
		168	Cut and sew apparel manufacturing		23.810	8,431	
		888	Personal and household goods repair and maintenance		69.841	24,731	
791	Miscellaneous personal services			382,468			
		718	Other consumer goods rental		3.226	12,338	
		728	Accounting, tax preparation, bookkeeping and payroll services		23.226	88,831	
		749	Other professional, scientific and technical services		32.903	125,844	
		856	Independent artists, performing arts, spectator sports, & related industries		12.903	49,351	
		888	Personal and household goods repair and maintenance		0.645	2,468	
		899	Nail salons and other personal care services		20.000	76,494	
		909	Other personal services		7.097	27,143	
800	Theaters and motion pictures			497,013			
		339	Electronic component and product manufacturing, n.e.c.		0.546	2,716	
		657	Motion pictures and video industries		63.934	317,762	
		659	Sound recording industries		0.546	2,716	
		667	Radio and television broadcasting and cable		1.639	8,148	
		856	Independent artists, performing arts, spectator sports, & related industries		33.333	165,671	
801	Video tape rental			127,165			
		717	Video tape and disk rental		100.000	127,165	1
802	Bowling centers			65,335			
		858	Bowling centers		100.000	65,335	1
810	Miscellaneous entertainment & recreation			1,098,748			
		707	Real estate		0.413	4,540	
		767	Travel arrangement and reservation services		0.413	4,540	

Table 1. 1990 Census Industry Classification System and Its Redistribution into the Census 2000 Industry Classification System

1990 Census Codes and Categories				1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
		Census 2000 Codes and Categories					
		789	Other schools, instruction, and educational services		3.719	40,863	
		856	Independent artists, performing arts, spectator sports, & related industries		11.570	127,128	
		857	Museums, art galleries, historical sites, and similar institutions		2.066	22,701	
		859	Other amusement, gambling, and recreation industries		76.033	835,412	
		866	Traveler accommodation		1.653	18,161	
		867	Recreational vehicle parks and camps, and rooming and boarding houses		0.826	9,081	
		868	Restaurants and other food services		0.413	4,540	
		869	Drinking places, alcoholic beverages		0.826	9,081	
		899	Nail salons and other personal care services		1.240	13,621	
		909	Other personal services		0.413	4,540	
		949	Administration of environmental quality and housing programs		0.413	4,540	
812	Offices and clinics of physicians			1,221,738			
		797	Offices of physicians		84.716	1,035,009	
		808	Offices of other health practitioners		1.310	16,005	
		809	Outpatient care centers		10.917	133,378	
		818	Other health care services		3.057	37,346	
820	Offices and clinics of dentists			571,441			
		798	Offices of dentists		98.964	565,519	2
		818	Other health care services		1.036	5,922	
821	Offices and clinics of chiropractors			96,114			
		799	Office of chiropractors		100.000	96,114	1
822	Offices and clinics of optometrists			64,085			
		807	Offices of optometrists		100.000	64,085	1
830	Offices & clinics of health practitioners n.e.c.			97,266			
		808	Offices of other health practitioners		100.000	97,266	1
831	Hospitals			5,329,531			
		819	Hospitals		100.000	5,329,531	1
832	Nursing and personal care facilities			1,475,904			
		808	Offices of other health practitioners		1.579	23,304	
		818	Other health care services		0.526	7,768	
		819	Hospitals		1.053	15,536	
		827	Nursing care facilities		86.316	1,273,938	
		829	Residential care facilities, without nursing		10.526	155,358	
840	Health services, n.e.c.			1,141,303			
		396	Medical equipment and supplies manufacturing		6.494	74,111	
		808	Offices of other health practitioners		11.039	125,988	
		809	Outpatient care centers		18.182	207,510	
		817	Home health care services		20.779	237,154	
		818	Other health care services		36.364	415,019	
		837	Individual and family services		3.247	37,055	
		948	Administration of human resource programs		3.896	44,466	
841	Legal services			1,308,998			
		727	Legal services		100.000	1,308,998	1

Table 1. 1990 Census Industry Classification System and Its Redistribution into the Census 2000 Industry Classification System

1990 Census Codes and Categories		Census 2000 Codes and Categories		1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
842	Elementary and secondary schools			6,579,871			
		618	Bus service and urban transit		0.467	30,747	
		786	Elementary and secondary schools		98.598	6,487,630	2
		868	Restaurants and other food services		0.935	61,494	
850	Colleges and universities			2,779,130			
		787	Colleges and universities, including junior colleges		97.872	2,720,000	2
		788	Business, technical, and trade schools and training		2.128	59,130	
851	Vocational schools			53,294			
		788	Business, technical, and trade schools and training		89.583	47,743	
		789	Other schools, instruction, and educational services		10.417	5,551	
852	Libraries			218,899			
		677	Libraries and archives		100.000	218,899	1
860	Educational services, nec.			223,019			
		787	Colleges and universities, including junior colleges		6.061	13,516	
		788	Business, technical, and trade schools and training		3.030	6,758	
		789	Other schools, instruction, and educational services		84.848	189,228	
		837	Individual and family services		5.051	11,264	
		917	Civic, social, advocacy organizations, and grantmaking and giving services		1.010	2,253	
861	Job training & vocational rehab services			131,449			1
		839	Vocational rehabilitation services		100.000	131,449	
862	Child day care services			661,360			
		847	Child day care services		100.000	661,360	1
863	Family child care homes			450,626			
		847	Child day care services		100.000	450,626	1
870	Residential care facilities, without nursing			321,609			
		788	Business, technical, and trade schools and training		1.010	3,249	
		809	Outpatient care centers		6.061	19,491	
		829	Residential care facilities, without nursing		85.859	276,129	
		838	Community food and housing, and emergency services		7.071	22,740	
871	Social services, n.e.c.			834,560			
		817	Home health care services		2.367	19,753	
		829	Residential care facilities, without nursing		4.734	39,506	
		837	Individual and family services		53.846	449,378	
		838	Community food and housing, and emergency services		2.959	24,691	
		916	Religious organizations		1.775	14,815	
		917	Civic, social, advocacy organizations, and grantmaking and giving services		17.751	148,147	
		919	Business, professional, political, and similar organizations		3.550	29,629	
		947	Justice, public order, and safety activities		5.325	44,444	
		948	Administration of human resource programs		7.692	64,197	
872	Museums, art galleries, and zoos			108,680			
		857	Museums, art galleries, historical sites, and similar institutions		100.000	108,680	1
873	Labor unions			100,795			
		918	Labor unions		100.000	100,795	1

Table 1. 1990 Census Industry Classification System and Its Redistribution into the Census 2000 Industry Classification System

1990 Census Codes and Categories				1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
			Census 2000 Codes and Categories				
880	Religious organizations			841,625			
		916	Religious organizations		100.000	841,625	1
881	Membership organizations, nec.			345,773			
		767	Travel arrangement and reservation services		4.098	14,171	
		917	Civic, social, advocacy organizations, and grantmaking and giving services		59.016	204,063	
		919	Business, professional, political, and similar organizations		36.885	127,539	
882	Engineering, architectural,& surveying			702,216			
		729	Architectural, engineering, and related services		100.000	702,216	1
890	Accounting, auditing, and bookkeeping			727,327			
		728	Accounting, tax preparation, bookkeeping and payroll services		100.000	727,327	1
891	Research, development, and testing			540,985			
		729	Architectural, engineering, and related services		21.472	116,162	
		746	Scientific research and development services		65.031	351,806	
		749	Other professional, scientific and technical services		13.497	73,016	
892	Management and public relations			602,254			
		728	Accounting, tax preparation, bookkeeping and payroll services		2.055	12,375	
		729	Architectural, engineering, and related services		3.425	20,625	
		737	Specialized design services		0.685	4,125	
		739	Management, scientific and technical consulting services		78.767	474,378	
		747	Advertising and related services		7.534	45,375	
		749	Other professional, scientific and technical services		2.740	16,500	
		757	Management of companies and enterprises		0.685	4,125	
		778	Other administrative and other support services		2.740	16,500	
		789	Other schools, instruction, and educational services		1.370	8,250	
893	Miscellaneous professional and related services			285,927			
		729	Architectural, engineering, and related services		4.630	13,237	
		739	Management, scientific and technical consulting services		4.630	13,237	
		746	Scientific research and development services		6.481	18,532	
		749	Other professional, scientific and technical services		4.630	13,237	
		856	Independent artists, performing arts, spectator sports, & related industries		79.630	227,683	
900	Executive and legislative offices			116,733			
		937	Executive offices and legislative bodies		100.000	116,733	1
901	General government nec.			1,410,499			
		937	Executive offices and legislative bodies		14.433	203,577	
		939	Other general government and support		82.990	1,170,569	
		949	Administration of environmental quality and housing programs		2.577	36,353	
910	Justice, public order,and safety			1,866,160			
		909	Other personal services		0.930	17,360	
		947	Justice, public order, and safety activities		97.209	1,814,081	2
		959	National security and international affairs		1.860	34,719	
921	Public finance, taxation, and monetary policy			332,799			
		938	Public finance activities		100.000	332,799	1
922	Administration of human resource programs			476,823			

Table 1. 1990 Census Industry Classification System and Its Redistribution into the Census 2000 Industry Classification System

1990 Census Codes and Categories		Census 2000 Codes and Categories		1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
		758	Employment services		2.139	10,199	
		837	Individual and family services		9.626	45,897	
		948	Administration of human resource programs		87.166	415,626	
		957	Administration of economic programs and space research		1.070	5,100	
930	Administration of enviro quality & housing progs			153,243			
		949	Administration of environmental quality and housing programs		100.000	153,243	1
931	Administration of economic programs			579,685			
		629	Services incidental to transportation		2.381	13,802	
		949	Administration of environmental quality and housing programs		2.976	17,253	
		957	Administration of economic programs and space research		94.643	548,630	3
932	National security & international affairs			762,035			
		959	National security and international affairs		100.000	762,035	1
	Unemployed, not classified by industry			1,017,224			
			Unemployed, not classified by industry		100.000	1,017,224	1
(This last category for both censuses includes people who were unemployed at the time of the census, AND: whose last job was more than 5 years before the census, or whose last job was in the Armed Forces, or who never worked.)							
The following Armed Forces categories are not part of the Civilian Labor Force							
940	Army						
		967	U. S. Army		100.000		1
941	Air Force						
		968	U. S. Air Force		100.000		1
942	Navy						
		969	U. S. Navy		100.000		1
950	Marines						
		977	U. S. Marines		100.000		1
951	Coast Guard						
		978	U. S. Coast Guard		100.000		1
952	Armed forces, branch n.s.						
		979	U. S. Armed Forces, branch not specified		100.000		1
960	Military reserves or National Guard						
		987	Military Reserves or National Guard		100.000		1

Table 2. 1990 Census Occupation Classification System and Its Redistribution into the Census 2000 Occupation Classification System							
Note: Numbers and percents may not always add to totals due to rounding. For a definition of terms and an explanation of the methodology used in this table, see the text of the accompanying Technical Paper.							
1990 Census Codes and Categories				**1990 Civilian Labor Force**	**Pct. of 1990 Category (Conversion Factors)**	**1990 CLF Redist to 2000**	**Comp. Score**
		Census 2000 Codes and Categories					
Total Civilian Labor Force				123,473,450		123,473,450	
003	Legislators			12,716			
		003	Legislators		100.000	12,716	1
004	Chief executives & general administrators, public administration			19,023			
		001	Chief executives		77.143	14,675	
		043	Managers, all other		22.857	4,348	
005	Administrators and officials, public administration			506,683			
		001	Chief executives		1.571	7,958	
		002	General and operations managers		3.141	15,917	
		010	Administrative services managers		2.094	10,611	
		011	Computer and information systems managers		1.571	7,958	
		012	Financial managers		5.236	26,528	
		013	Human resources managers		1.047	5,306	
		015	Purchasing managers		2.094	10,611	
		016	Transportation, storage, and distribution managers		0.524	2,653	
		022	Construction managers		0.524	2,653	
		023	Education administrators		2.094	10,611	
		030	Engineering managers		0.524	2,653	
		036	Natural sciences managers		0.524	2,653	
		041	Property, real estate, and community association managers		1.047	5,306	
		042	Social and community service managers		4.712	23,875	
		043	Managers, all other		40.838	206,918	
		054	Claims adjusters, appraisers, examiners, and investigators		4.188	21,222	
		062	Human resources, training, and labor relations specialists		2.094	10,611	
		081	Appraisers and assessors of real estate		3.141	15,917	
		084	Financial analysts		0.524	2,653	
		093	Tax examiners, collectors, and revenue agents		5.236	26,528	
		122	Operations research analysts		5.759	29,181	
		164	Conservation scientists and foresters		0.524	2,653	
		202	Miscellaneous community and social service specialists		2.094	10,611	
		211	Judges, magistrates, and other judicial workers		2.618	13,264	
		215	Miscellaneous legal support workers		0.524	2,653	
		354	Other healthcare practitioners and technical occupations		0.524	2,653	
		382	Detectives and criminal investigators		0.524	2,653	
		395	Lifeguards and other protective service workers		0.524	2,653	
		525	Eligibility interviewers, government programs		4.188	21,222	
006	Administrators, protective services			49,273			
		043	Managers, all other		14.019	6,907	
		056	Compliance officers, except agriculture, construction, health and safety, and transportation		8.411	4,144	
		073	Other business operations specialists		1.869	921	

Table 2. 1990 Census Occupation Classification System and Its Redistribution into the Census 2000 Occupation Classification System

1990 Census Codes and Categories		Census 2000 Codes and Categories		1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score	
		211	Judges, magistrates, and other judicial workers		0.935	460		
		370	First-line supervisors/managers of correctional officers		7.477	3,684		
		371	First-line supervisors/managers of police and detectives		28.972	14,275		
		372	First-line supervisors/managers of fire fighting and prevention workers		16.822	8,289		
		373	Supervisors, protective service workers, all other		21.495	10,591		
007	Financial managers			635,911				
		012	Financial managers		100.000	635,911	1	
008	Personnel and labor relations managers			275,495				
		013	Human resources managers		100.000	275,495	1	
009	Purchasing managers			120,775				
		015	Purchasing managers		96.212	116,200	2	
		211	Judges, magistrates, and other judicial workers		3.788	4,575		
013	Managers, marketing, advertising, and public relations			609,109				
		004	Advertising and promotions managers		13.084	79,697		
		005	Marketing and sales managers		81.308	495,257		
		006	Public relations managers		1.402	8,539		
		471	First-line supervisors/managers of non-retail sales workers		4.206	25,617		
014	Administrators, education and related fields			623,612				
		001	Chief executives		1.031	6,429		
		023	Education administrators		95.361	594,682	2	
		034	Lodging managers		1.031	6,429		
		073	Other business operations specialists		1.031	6,429		
		095	Financial specialists, all other		1.546	9,643		
015	Managers, medicine and health			233,621				
		023	Education administrators		1.695	3,960		
		035	Medical and health services managers		94.068	219,762	3	
		570	Secretaries and administrative assistants		4.237	9,899		
016	Postmasters and mail superintendents			39,846				
		040	Postmasters and mail superintendents		100.000	39,846	1	
017	Managers, food serving and lodging establishments			1,030,651				
		002	General and operations managers		2.620	27,004		
		031	Food service managers		58.079	598,588		
		033	Gaming managers		0.873	9,001		
		034	Lodging managers		9.170	94,514		
		072	Meeting and convention planners		0.437	4,501		
		400	Chefs and head cooks		1.747	18,003		
		401	First-line supervisors/managers of food preparation and serving workers		27.074	279,041		
018	Managers, properties and real estate			411,466				
		034	Lodging managers		0.694	2,857		
		041	Property, real estate, and community association managers		91.667	377,177	3	
		492	Real estate brokers and sales agents		7.639	31,431		
019	Funeral directors			45,486				
		032	Funeral directors		100.000	45,486	1	

Table 2. 1990 Census Occupation Classification System and Its Redistribution into the Census 2000 Occupation Classification System

1990 Census Codes and Categories				1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score	
			Census 2000 Codes and Categories					
021	Managers, service organizations, n.e.c.			404,073				
		001	Chief executives		1.190	4,810		
		002	General and operations managers		5.952	24,052		
		005	Marketing and sales managers		0.595	2,405		
		006	Public relations managers		1.190	4,810		
		011	Computer and information systems managers		1.190	4,810		
		013	Human resources managers		1.190	4,810		
		023	Education administrators		0.595	2,405		
		033	Gaming managers		1.190	4,810		
		034	Lodging managers		1.190	4,810		
		035	Medical and health services managers		3.571	14,431		
		041	Property, real estate, and community association managers		0.595	2,405		
		042	Social and community service managers		29.762	120,260		
		043	Managers, all other		27.381	110,639		
		062	Human resources, training, and labor relations specialists		4.762	19,242		
		072	Meeting and convention planners		2.976	12,026		
		201	Social workers		1.786	7,216		
		202	Miscellaneous community and social service specialists		4.762	19,242		
		462	Recreation and fitness workers		10.119	40,888		
022	Managers and administrators, n.e.c.			5,345,993				
		001	Chief executives		8.626	461,131		
		002	General and operations managers		8.480	453,315		
		005	Marketing and sales managers		1.608	85,974		
		010	Administrative services managers		1.023	54,710		
		011	Computer and information systems managers		2.193	117,237		
		012	Financial managers		1.170	62,526		
		014	Industrial production managers		1.754	93,789		
		015	Purchasing managers		1.316	70,342		
		016	Transportation, storage, and distribution managers		2.485	132,868		
		022	Construction managers		5.702	304,815		
		023	Education administrators		1.316	70,342		
		030	Engineering managers		1.023	54,710		
		034	Lodging managers		0.292	15,632		
		035	Medical and health services managers		1.316	70,342		
		036	Natural sciences managers		0.292	15,632		
		042	Social and community service managers		0.877	46,895		
		043	Managers, all other		28.216	1,508,445		
		050	Agents and business managers of artists, performers, and athletes		0.146	7,816		
		060	Cost estimators		2.047	109,421		
		073	Other business operations specialists		1.023	54,710		
		101	Computer programmers		0.585	31,263		
		110	Network and computer systems administrators		0.292	15,632		
		131	Surveyors, cartographers, and photogrammetrists		0.146	7,816		

Table 2. 1990 Census Occupation Classification System and Its Redistribution into the Census 2000 Occupation Classification System

1990 Census Codes and Categories		Census 2000 Codes and Categories		1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score	
		202	Miscellaneous community and social service specialists		0.292	15,632		
		240	Archivists, curators, and museum technicians		0.877	46,895		
		263	Designers		0.146	7,816		
		271	Producers and directors		0.877	46,895		
		421	First-line supervisors/managers of landscaping, lawn service, and groundskeeping workers		0.731	39,079		
		430	First-line supervisors/managers of gaming workers		1.023	54,710		
		462	Recreation and fitness workers		1.023	54,710		
		471	First-line supervisors/managers of non-retail sales workers		3.363	179,763		
		500	First-line supervisors/managers of office and administrative support workers		10.819	578,368		
		570	Secretaries and administrative assistants		3.947	211,026		
		700	First-line supervisors/managers of mechanics, installers, and repairers		1.901	101,605		
		900	Supervisors, transportation and material moving workers		2.632	140,684		
		904	Air traffic controllers and airfield operations specialists		0.439	23,447		
023	Accountants and auditors			1,590,178				
		012	Financial managers		3.488	55,471		
		080	Accountants and auditors		93.605	1,488,481	3	
		093	Tax examiners, collectors, and revenue agents		2.907	46,226		
024	Underwriters			67,767				
		086	Insurance underwriters		100.000	67,767	1	
025	Other financial officers			679,275				
		012	Financial managers		17.204	116,865		
		082	Budget analysts		8.065	54,780		
		083	Credit analysts		2.688	18,260		
		084	Financial analysts		3.226	21,912		
		085	Personal financial advisors		6.452	43,824		
		086	Insurance underwriters		1.613	10,956		
		091	Loan counselors and officers		38.710	262,945		
		094	Tax preparers		15.054	102,256		
		095	Financial specialists, all other		4.301	29,216		
		482	Securities, commodities, and financial services sales agents		2.688	18,260		
026	Management analysts			281,789				
		071	Management analysts		100.000	281,789	1	
027	Personnel, training, and labor relations specialists			513,625				
		013	Human resources managers		6.215	31,920		
		062	Human resources, training, and labor relations specialists		92.090	472,999	3	
		073	Other business operations specialists		1.130	5,804		
		211	Judges, magistrates, and other judicial workers		0.565	2,902		
028	Purchasing agents and buyers, farm products			17,298				
		051	Purchasing agents and buyers, farm products		90.741	15,696	3	
		485	Sales representatives, wholesale and manufacturing		9.259	1,602		
029	Buyers, wholesale and retail trade, except farm products			228,399				
		052	Wholesale and retail buyers, except farm products		87.574	200,018		
		053	Purchasing agents, except wholesale, retail, and farm products		10.651	24,327		

Table 2. 1990 Census Occupation Classification System and Its Redistribution into the Census 2000 Occupation Classification System

1990 Census Codes and Categories		Census 2000 Codes and Categories		1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score	
		485	Sales representatives, wholesale and manufacturing		1.775	4,054		
033	Purchasing agents and buyers, n.e.c.			246,967				
		015	Purchasing managers		2.732	6,748		
		051	Purchasing agents and buyers, farm products		4.918	12,146		
		052	Wholesale and retail buyers, except farm products		7.650	18,894		
		053	Purchasing agents, except wholesale, retail, and farm products		84.699	209,180		
034	Business and promotion agents			36,492				
		042	Social and community service managers		6.024	2,198		
		050	Agents and business managers of artists, performers, and athletes		86.747	31,656		
		062	Human resources, training, and labor relations specialists		2.410	879		
		073	Other business operations specialists		4.819	1,759		
035	Construction inspectors			64,284				
		666	Construction and building inspectors		100.000	64,284	1	
036	Inspectors and compliance officers, except construction			161,277				
		056	Compliance officers, except agriculture, construction, health and safety, and transportation		21.849	35,237		
		090	Financial examiners		1.261	2,033		
		093	Tax examiners, collectors, and revenue agents		7.563	12,197		
		102	Computer software engineers		1.261	2,033		
		202	Miscellaneous community and social service specialists		0.420	678		
		354	Other healthcare practitioners and technical occupations		13.445	21,684		
		382	Detectives and criminal investigators		2.101	3,388		
		390	Animal control workers		0.420	678		
		391	Private detectives and investigators		10.084	16,263		
		601	Agricultural inspectors		24.370	39,303		
		604	Graders and sorters, agricultural products		0.840	1,355		
		666	Construction and building inspectors		9.664	15,586		
		874	Inspectors, testers, sorters, samplers, and weighers		3.361	5,421		
		941	Transportation inspectors		3.361	5,421		
037	Management related occupations, n.e.c.			368,073				
		060	Cost estimators		21.583	79,440		
		072	Meeting and convention planners		0.719	2,648		
		073	Other business operations specialists		45.324	166,824		
		500	First-line supervisors/managers of office and administrative support workers		6.475	23,832		
		570	Secretaries and administrative assistants		25.899	95,328		
043	Architects			156,874				
		130	Architects, except naval		100.000	156,874	1	
044	Aerospace engineers			143,434				
		132	Aerospace engineers		100.000	143,434	1	
045	Metallurgical and materials engineers			19,230				
		145	Materials engineers		99.057	19,049	2	
		306	Physicians and surgeons		0.943	181		
046	Mining engineers			6,478				
		062	Human resources, training, and labor relations specialists		2.778	180		

Table 2. 1990 Census Occupation Classification System and Its Redistribution into the Census 2000 Occupation Classification System

1990 Census Codes and Categories		Census 2000 Codes and Categories		1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score	
		150	Mining and geological engineers, including mining safety engineers		97.222	6,298	2	
047	Petroleum engineers			24,565				
		030	Engineering managers		0.990	243		
		143	Industrial engineers, including health and safety		0.990	243		
		152	Petroleum engineers		94.059	23,106	3	
		193	Geological and petroleum technicians		3.960	973		
048	Chemical engineers			64,320				
		030	Engineering managers		1.460	939		
		135	Chemical engineers		95.620	61,503	2	
		145	Materials engineers		2.920	1,878		
049	Nuclear engineers			10,801				
		142	Environmental engineers		1.802	195		
		151	Nuclear engineers		98.198	10,606	2	
053	Civil engineers			252,808				
		030	Engineering managers		0.763	1,930		
		136	Civil engineers		96.183	243,159	2	
		142	Environmental engineers		3.053	7,719		
054	Agricultural engineers			2,148				
		133	Agricultural engineers		100.000	2,148	1	
055	Electrical and electronic engineers			467,023				
		030	Engineering managers		0.877	4,097		
		102	Computer software engineers		20.614	96,272		
		111	Network systems and data communications analysts		0.877	4,097		
		140	Computer hardware engineers		6.579	30,725		
		141	Electrical and electronic engineers		52.632	245,802		
		153	Engineers, all other		14.474	67,595		
		290	Broadcast and sound engineering technicians and radio operators		3.947	18,435		
056	Industrial engineers			176,333				
		043	Managers, all other		6.204	10,940		
		143	Industrial engineers, including health and safety		89.781	158,314		
		145	Materials engineers		2.920	5,148		
		354	Other healthcare practitioners and technical occupations		1.095	1,931		
057	Mechanical engineers			185,872				
		140	Computer hardware engineers		0.415	771		
		143	Industrial engineers, including health and safety		3.320	6,170		
		146	Mechanical engineers		96.266	178,931	2	
058	Marine engineers and naval architects			13,269				
		144	Marine engineers and naval architects		89.011	11,811		
		933	Ship engineers		10.989	1,458		
059	Engineers, n.e.c.			341,963				
		030	Engineering managers		3.067	10,490		
		134	Biomedical engineers		1.840	6,294		
		142	Environmental engineers		11.656	39,861		

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1990 Census Codes and Categories		Census 2000 Codes and Categories		1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score	
		143	Industrial engineers, including health and safety		4.908	16,783		
		146	Mechanical engineers		4.294	14,686		
		153	Engineers, all other		74.233	253,850		
063	Surveyors and mapping scientists			11,405				
		131	Surveyors, cartographers, and photogrammetrists		97.802	11,154	2	
		155	Engineering technicians, except drafters		2.198	251		
064	Computer systems analysts and scientists			471,290				
		011	Computer and information systems managers		1.190	5,611		
		071	Management analysts		0.595	2,805		
		100	Computer scientists and systems analysts		45.536	214,605		
		101	Computer programmers		2.679	12,624		
		102	Computer software engineers		30.952	145,875		
		104	Computer support specialists		6.548	30,858		
		106	Database administrators		0.893	4,208		
		110	Network and computer systems administrators		3.571	16,832		
		111	Network systems and data communications analysts		5.357	25,248		
		140	Computer hardware engineers		2.679	12,624		
065	Operations and systems researchers and analysts			251,818				
		070	Logisticians		11.966	30,132		
		100	Computer scientists and systems analysts		40.171	101,158		
		122	Operations research analysts		47.863	120,528		
066	Actuaries			18,732				
		120	Actuaries		100.000	18,732	1	
067	Statisticians			31,852				
		123	Statisticians		88.525	28,197		
		124	Miscellaneous mathematical science occupations		11.475	3,655		
068	Mathematical scientists, n.e.c.			5,815				
		121	Mathematicians		87.500	5,088		
		124	Miscellaneous mathematical science occupations		8.553	497		
		132	Aerospace engineers		3.289	191		
		153	Engineers, all other		0.658	38		
069	Physicists and astronomers			27,842				
		165	Medical scientists		1.575	438		
		170	Astronomers and physicists		98.425	27,404	2	
073	Chemists, except biochemists			141,255				
		172	Chemists and materials scientists		100.000	141,255	1	
074	Atmospheric and space scientists			8,354				
		171	Atmospheric and space scientists		100.000	8,354	1	
075	Geologists and geodesists			53,129				
		142	Environmental engineers		0.581	309		
		174	Environmental scientists and geoscientists		99.419	52,820	2	
076	Physical scientists, n.e.c.			18,782				
		164	Conservation scientists and foresters		1.481	278		

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1990 Census Codes and Categories		Census 2000 Codes and Categories		1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score	
		172	Chemists and materials scientists		2.222	417		
		174	Environmental scientists and geoscientists		71.852	13,495		
		176	Physical scientists, all other		16.296	3,061		
		186	Miscellaneous social scientists and related workers		3.704	696		
		196	Other life, physical, and social science technicians		4.444	835		
077	Agricultural and food scientists			34,842				
		020	Farm, ranch, and other agricultural managers		2.703	942		
		160	Agricultural and food scientists		82.883	28,878		
		161	Biological scientists		9.910	3,453		
		602	Animal breeders		4.505	1,569		
078	Biological and life scientists			62,137				
		160	Agricultural and food scientists		0.606	377		
		161	Biological scientists		92.727	57,618	3	
		165	Medical scientists		6.667	4,142		
079	Forestry and conservation scientists			34,815				
		131	Surveyors, cartographers, and photogrammetrists		0.840	293		
		161	Biological scientists		7.563	2,633		
		164	Conservation scientists and foresters		86.555	30,134		
		176	Physical scientists, all other		1.681	585		
		196	Other life, physical, and social science technicians		3.361	1,170		
083	Medical scientists			27,519				
		161	Biological scientists		5.422	1,492		
		165	Medical scientists		94.578	26,027	3	
084	Physicians			586,715				
		306	Physicians and surgeons		97.345	571,138	2	
		353	Miscellaneous health technologists and technicians		2.655	15,577		
085	Dentists			155,529				
		301	Dentists		100.000	155,529	1	
086	Veterinarians			48,744				
		325	Veterinarians		100.000	48,744	1	
087	Optometrists			27,515				
		304	Optometrists		100.000	27,515	1	
088	Podiatrists			8,908				
		312	Podiatrists		100.000	8,908	1	
089	Health diagnosing practitioners, n.e.c.			47,114				
		300	Chiropractors		91.971	43,331	3	
		326	Health diagnosing and treating practitioners, all other		8.029	3,783		
095	Registered nurses			1,885,129				
		313	Registered nurses		97.959	1,846,657	2	
		360	Nursing, psychiatric, and home health aides		2.041	38,472		
096	Pharmacists			181,798				
		305	Pharmacists		100.000	181,798	1	
097	Dietitians			90,223				

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1990 Census Codes and Categories		Census 2000 Codes and Categories		1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score	
		035	Medical and health services managers		0.730	659		
		303	Dietitians and nutritionists		96.350	86,930	2	
		341	Health diagnosing and treating practitioner support technicians		2.920	2,634		
098	Respiratory therapists			65,589				
		035	Medical and health services managers		1.058	694		
		322	Respiratory therapists		98.942	64,895	2	
099	Occupational therapists			37,895				
		035	Medical and health services managers		1.911	724		
		315	Occupational therapists		96.815	36,688	2	
		324	Therapists, all other		1.274	483		
103	Physical therapists			92,022				
		316	Physical therapists		100.000	92,022	1	
104	Speech therapists			64,713				
		314	Audiologists		22.460	14,534		
		323	Speech-language pathologists		77.540	50,179		
105	Therapists, n.e.c.			71,402				
		200	Counselors		7.843	5,600		
		316	Physical therapists		0.654	467		
		320	Radiation therapists		0.654	467		
		321	Recreational therapists		26.144	18,667		
		324	Therapists, all other		64.706	46,201		
106	Physicians' assistants			25,569				
		311	Physician assistants		35.417	9,056		
		340	Emergency medical technicians and paramedics		41.667	10,654		
		365	Medical assistants and other healthcare support occupations		22.917	5,860		
113	Earth, environmental, and marine science teachers			1,253				
		220	Postsecondary teachers		100.000	1,253	1	
114	Biological science teachers			6,101				
		220	Postsecondary teachers		100.000	6,101	1	
115	Chemistry teachers			5,446				
		220	Postsecondary teachers		100.000	5,446	1	
116	Physics teachers			4,432				
		220	Postsecondary teachers		100.000	4,432	1	
117	Natural science teachers, n.e.c.			389				
		220	Postsecondary teachers		100.000	389	1	
118	Psychology teachers			4,518				
		220	Postsecondary teachers		100.000	4,518	1	
119	Economics teachers			3,426				
		220	Postsecondary teachers		100.000	3,426	1	
123	History teachers			4,121				
		220	Postsecondary teachers		100.000	4,121	1	
124	Political science teachers			1,005				
		220	Postsecondary teachers		100.000	1,005	1	

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1990 Census Codes and Categories			Census 2000 Codes and Categories	1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score	
125			Sociology teachers	1,457				
		220	Postsecondary teachers		100.000	1,457	1	
126			Social science teachers, n.e.c.	860				
		220	Postsecondary teachers		100.000	860	1	
127			Engineering teachers	7,777				
		220	Postsecondary teachers		100.000	7,777	1	
128			Mathematical science teachers	17,357				
		220	Postsecondary teachers		100.000	17,357	1	
129			Computer science teachers	4,384				
		220	Postsecondary teachers		100.000	4,384	1	
133			Medical science teachers	2,743				
		220	Postsecondary teachers		100.000	2,743	1	
134			Health specialties teachers	15,711				
		220	Postsecondary teachers		97.409	15,304	2	
		234	Other teachers and instructors		2.591	407		
135			Business, commerce, and marketing teachers	5,063				
		220	Postsecondary teachers		100.000	5,063	1	
136			Agriculture and forestry teachers	1,061				
		220	Postsecondary teachers		100.000	1,061	1	
137			Art, drama, and music teachers	21,393				
		220	Postsecondary teachers		100.000	21,393	1	
138			Physical education teachers	4,115				
		220	Postsecondary teachers		93.258	3,838	3	
		272	Athletes, coaches, umpires, and related workers		6.742	277		
139			Education teachers	1,455				
		220	Postsecondary teachers		100.000	1,455	1	
143			English teachers	24,276				
		220	Postsecondary teachers		100.000	24,276	1	
144			Foreign language teachers	10,025				
		220	Postsecondary teachers		100.000	10,025	1	
145			Law teachers	4,555				
		220	Postsecondary teachers		100.000	4,555	1	
146			Social work teachers	308				
		220	Postsecondary teachers		100.000	308	1	
147			Theology teachers	2,616				
		220	Postsecondary teachers		100.000	2,616	1	
148			Trade and industrial teachers	1,270				
		220	Postsecondary teachers		100.000	1,270	1	
149			Home economics teachers	593				
		220	Postsecondary teachers		100.000	593	1	
153			Teachers, postsecondary, n.e.c.	13,455				
		220	Postsecondary teachers		81.818	11,009		
		234	Other teachers and instructors		18.182	2,446		

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1990 Census Codes and Categories			Census 2000 Codes and Categories	1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score	
154	Postsecondary teachers, subject not specified			615,068				
		220	Postsecondary teachers		93.157	572,979	3	
		234	Other teachers and instructors		6.843	42,089		
155	Teachers, prekindergarten and kindergarten			269,330				
		230	Preschool and kindergarten teachers		100.000	269,330	1	
156	Teachers, elementary school			3,024,189				
		231	Elementary and middle school teachers		98.795	2,987,753	2	
		233	Special education teachers		0.602	18,218		
		272	Athletes, coaches, umpires, and related workers		0.602	18,218		
157	Teachers, secondary school			624,400				
		231	Elementary and middle school teachers		17.182	107,285		
		232	Secondary school teachers		75.945	474,201		
		233	Special education teachers		0.344	2,146		
		234	Other teachers and instructors		5.498	34,331		
		254	Teacher assistants		0.344	2,146		
		272	Athletes, coaches, umpires, and related workers		0.687	4,291		
158	Teachers, special education			62,216				
		233	Special education teachers		82.692	51,448		
		234	Other teachers and instructors		17.308	10,768		
159	Teachers, n.e.c.			579,391				
		200	Counselors		1.463	8,474		
		202	Miscellaneous community and social service specialists		0.183	1,059		
		220	Postsecondary teachers		29.250	169,475		
		231	Elementary and middle school teachers		1.828	10,592		
		232	Secondary school teachers		3.473	20,125		
		234	Other teachers and instructors		40.768	236,205		
		255	Other education, training, and library workers		5.302	30,717		
		272	Athletes, coaches, umpires, and related workers		7.313	42,369		
		462	Recreation and fitness workers		10.420	60,375		
163	Counselors, educational and vocational			238,533				
		200	Counselors		100.000	238,533	1	
164	Librarians			200,881				
		243	Librarians		100.000	200,881	1	
165	Archivists and curators			27,575				
		240	Archivists, curators, and museum technicians		100.000	27,575	1	
166	Economists			152,237				
		180	Economists		21.875	33,302		
		181	Market and survey researchers		78.125	118,935		
167	Psychologists			191,962				
		182	Psychologists		82.682	158,717		
		200	Counselors		16.201	31,100		
		201	Social workers		1.117	2,145		
168	Sociologists			2,211				

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1990 Census Codes and Categories		Census 2000 Codes and Categories		1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score	
		183	Sociologists		100.000	2,211	1	
169	Social scientists, n.e.c.			20,297				
		186	Miscellaneous social scientists and related workers		98.462	19,985	2	
		196	Other life, physical, and social science technicians		1.538	312		
173	Urban planners			18,531				
		184	Urban and regional planners		100.000	18,531	1	
174	Social workers			658,919				
		042	Social and community service managers		2.146	14,140		
		200	Counselors		22.318	147,055		
		201	Social workers		57.511	378,949		
		202	Miscellaneous community and social service specialists		18.026	118,775		
175	Recreation workers			50,779				
		200	Counselors		7.874	3,998		
		202	Miscellaneous community and social service specialists		1.575	800		
		462	Recreation and fitness workers		90.551	45,981	3	
176	Clergy			324,889				
		204	Clergy		98.925	321,396	2	
		205	Directors, religious activities and education		1.075	3,493		
177	Religious workers, n.e.c.			98,807				
		042	Social and community service managers		0.676	668		
		204	Clergy		18.243	18,026		
		205	Directors, religious activities and education		37.838	37,386		
		206	Religious workers, all other		43.243	42,727		
178	Lawyers			747,077				
		210	Lawyers		93.333	697,272	3	
		211	Judges, magistrates, and other judicial workers		0.952	7,115		
		214	Paralegals and legal assistants		0.476	3,558		
		215	Miscellaneous legal support workers		5.238	39,133		
179	Judges			32,394				
		211	Judges, magistrates, and other judicial workers		100.000	32,394	1	
183	Authors			106,730				
		284	Technical writers		6.316	6,741		
		285	Writers and authors		93.684	99,989	3	
184	Technical writers			74,292				
		283	Editors		8.000	5,943		
		284	Technical writers		92.000	68,349	3	
185	Designers			596,802				
		260	Artists and related workers		4.641	27,700		
		263	Designers		94.937	566,584	3	
		775	Miscellaneous assemblers and fabricators		0.422	2,518		
186	Musicians and composers			148,020				
		275	Musicians, singers, and related workers		100.000	148,020	1	
187	Actors and directors			109,573				

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		006	Public relations managers		1.667	1,826		
		270	Actors		32.778	35,916		
		271	Producers and directors		61.111	66,961		
		276	Entertainers and performers, sports and related workers, all other		0.556	609		
		280	Announcers		3.333	3,652		
		283	Editors		0.556	609		
188	Painters, sculptors, craft-artists, and artist printmakers			212,762				
		260	Artists and related workers		78.341	166,680		
		263	Designers		20.737	44,121		
		881	Painting workers		0.922	1,961		
189	Photographers			143,520				
		260	Artists and related workers		1.667	2,392		
		291	Photographers		76.667	110,032		
		292	Television, video, and motion picture camera operators and editors		18.333	26,312		
		825	Prepress technicians and workers		3.333	4,784		
193	Dancers			21,913				
		274	Dancers and choreographers		99.351	21,771	2	
		275	Musicians, singers, and related workers		0.649	142		
194	Artists, performers, and related workers, n.e.c.			93,421				
		220	Postsecondary teachers		3.614	3,377		
		234	Other teachers and instructors		5.422	5,065		
		260	Artists and related workers		10.241	9,567		
		271	Producers and directors		7.229	6,753		
		276	Entertainers and performers, sports and related workers, all other		17.470	16,321		
		280	Announcers		2.410	2,251		
		286	Miscellaneous media and communication workers		34.940	32,641		
		290	Broadcast and sound engineering technicians and radio operators		1.807	1,688		
		434	Animal trainers		15.060	14,069		
		465	Personal care and service workers, all other		1.807	1,688		
195	Editors and reporters			266,543				
		281	News analysts, reporters and correspondents		32.558	86,781		
		283	Editors		55.814	148,768		
		285	Writers and authors		9.767	26,034		
		292	Television, video, and motion picture camera operators and editors		1.395	3,719		
		583	Desktop publishers		0.465	1,240		
197	Public relations specialists			167,568				
		004	Advertising and promotions managers		2.778	4,655		
		006	Public relations managers		17.778	29,790		
		062	Human resources, training, and labor relations specialists		1.111	1,862		
		282	Public relations specialists		72.222	121,021		
		285	Writers and authors		4.444	7,447		
		351	Medical records and health information technicians		0.556	931		
		480	Advertising sales agents		1.111	1,862		

Table 2. 1990 Census Occupation Classification System and Its Redistribution into the Census 2000 Occupation Classification System

1990 Census Codes and Categories			Census 2000 Codes and Categories	1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score	
198	Announcers			60,269				
		280	Announcers		100.000	60,269	1	
199	Athletes			81,854				
		272	Athletes, coaches, umpires, and related workers		77.987	63,836		
		354	Other healthcare practitioners and technical occupations		13.208	10,811		
		435	Nonfarm animal caretakers		0.629	515		
		462	Recreation and fitness workers		3.145	2,574		
		752	Commercial divers		5.031	4,118		
203	Clinical laboratory technologists and technicians			329,892				
		330	Clinical laboratory technologists and technicians		77.778	256,583		
		332	Diagnostic related technologists and technicians		3.889	12,829		
		365	Medical assistants and other healthcare support occupations		18.333	60,480		
204	Dental hygienists			72,394				
		331	Dental hygienists		100.000	72,394	1	
205	Health record technologists and technicians			55,764				
		351	Medical records and health information technicians		100.000	55,764	1	
206	Radiologic technicians			130,383				
		320	Radiation therapists		3.627	4,729		
		332	Diagnostic related technologists and technicians		96.373	125,654	2	
207	Licensed practical nurses			429,473				
		350	Licensed practical and licensed vocational nurses		100.000	429,473	1	
208	Health technologists and technicians, n.e.c.			411,191				
		196	Other life, physical, and social science technicians		1.327	5,458		
		202	Miscellaneous community and social service specialists		0.442	1,819		
		220	Postsecondary teachers		0.885	3,639		
		311	Physician assistants		0.885	3,639		
		330	Clinical laboratory technologists and technicians		5.310	21,833		
		332	Diagnostic related technologists and technicians		6.637	27,291		
		340	Emergency medical technicians and paramedics		30.088	123,721		
		341	Health diagnosing and treating practitioner support technicians		19.027	78,235		
		353	Miscellaneous health technologists and technicians		5.752	23,653		
		354	Other healthcare practitioners and technical occupations		6.195	25,472		
		362	Physical therapist assistants and aides		1.327	5,458		
		365	Medical assistants and other healthcare support occupations		20.354	83,694		
		876	Medical, dental, and ophthalmic laboratory technicians		1.770	7,278		
213	Electrical and electronic technicians			401,463				
		100	Computer scientists and systems analysts		7.042	28,272		
		155	Engineering technicians, except drafters		89.437	359,055		
		286	Miscellaneous media and communication workers		1.408	5,654		
		743	Precision instrument and equipment repairers		2.113	8,482		
214	Industrial engineering technicians			15,324				
		155	Engineering technicians, except drafters		100.000	15,324	1	
215	Mechanical engineering technicians			30,109				

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1990 Census Codes and Categories		Census 2000 Codes and Categories		1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score	
		155	Engineering technicians, except drafters		100.000	30,109	1	
216	Engineering technicians, n.e.c.			239,680				
		131	Surveyors, cartographers, and photogrammetrists		1.527	3,659		
		155	Engineering technicians, except drafters		76.336	182,962		
		196	Other life, physical, and social science technicians		11.450	27,444		
		284	Technical writers		0.763	1,830		
		290	Broadcast and sound engineering technicians and radio operators		8.397	20,126		
		292	Television, video, and motion picture camera operators and editors		1.527	3,659		
217	Drafting occupations			324,764				
		130	Architects, except naval		3.165	10,277		
		131	Surveyors, cartographers, and photogrammetrists		4.430	14,388		
		154	Drafters		88.608	287,766		
		156	Surveying and mapping technicians		0.633	2,055		
		260	Artists and related workers		3.165	10,277		
218	Surveying and mapping technicians			93,095				
		131	Surveyors, cartographers, and photogrammetrists		19.553	18,203		
		156	Surveying and mapping technicians		80.447	74,892		
223	Biological technicians			56,723				
		190	Agricultural and food science technicians		36.782	20,864		
		191	Biological technicians		28.736	16,300		
		192	Chemical technicians		12.644	7,172		
		196	Other life, physical, and social science technicians		11.494	6,520		
		341	Health diagnosing and treating practitioner support technicians		10.345	5,868		
224	Chemical technicians			76,639				
		155	Engineering technicians, except drafters		2.878	2,205		
		172	Chemists and materials scientists		4.317	3,308		
		190	Agricultural and food science technicians		2.878	2,205		
		192	Chemical technicians		85.612	65,612		
		193	Geological and petroleum technicians		4.317	3,308		
225	Science technicians, n.e.c.			75,626				
		155	Engineering technicians, except drafters		64.167	48,527		
		192	Chemical technicians		4.167	3,151		
		193	Geological and petroleum technicians		11.667	8,823		
		196	Other life, physical, and social science technicians		20.000	15,125		
226	Airplane pilots and navigators			109,826				
		903	Aircraft pilots and flight engineers		100.000	109,826	1	
227	Air traffic controllers			47,163				
		904	Air traffic controllers and airfield operations specialists		100.000	47,163	1	
228	Broadcast equipment operators			35,519				
		290	Broadcast and sound engineering technicians and radio operators		84.685	30,079		
		292	Television, video, and motion picture camera operators and editors		0.901	320		
		296	Media and communication equipment workers, all other		1.802	640		
		503	Communications equipment operators, all other		3.604	1,280		

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1990 Census Codes and Categories		Census 2000 Codes and Categories		1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score	
		552	Dispatchers		9.009	3,200		
229	Computer programmers			662,759				
		101	Computer programmers		100.000	662,759	1	
233	Tool programmers, numerical control			3,670				
		790	Computer control programmers and operators		100.000	3,670	1	
234	Legal assistants			258,152				
		214	Paralegals and legal assistants		51.351	132,565		
		215	Miscellaneous legal support workers		47.297	122,099		
		593	Office and administrative support workers, all other		1.351	3,489		
235	Technicians, n.e.c.			527,799				
		155	Engineering technicians, except drafters		4.918	25,957		
		176	Physical scientists, all other		1.639	8,652		
		181	Market and survey researchers		1.639	8,652		
		184	Urban and regional planners		1.639	8,652		
		194	Nuclear technicians		6.557	34,610		
		196	Other life, physical, and social science technicians		52.459	276,878		
		244	Library Technicians		3.279	17,305		
		260	Artists and related workers		11.475	60,567		
		290	Broadcast and sound engineering technicians and radio operators		8.197	43,262		
		332	Diagnostic related technologists and technicians		3.279	17,305		
		875	Jewelers and precious stone and metal workers		4.918	25,957		
243	Supervisors and proprietors, sales occupations			3,451,461				
		012	Financial managers		1.142	39,400		
		041	Property, real estate, and community association managers		0.457	15,760		
		043	Managers, all other		3.425	118,201		
		052	Wholesale and retail buyers, except farm products		1.598	55,160		
		401	First-line supervisors/managers of food preparation and serving workers		0.228	7,880		
		470	First-line supervisors/managers of retail sales workers		56.393	1,946,372		
		471	First-line supervisors/managers of non-retail sales workers		13.470	464,923		
		476	Retail salespersons		5.251	181,241		
		482	Securities, commodities, and financial services sales agents		0.457	15,760		
		484	Sales representatives, services, all other		0.228	7,880		
		485	Sales representatives, wholesale and manufacturing		3.425	118,201		
		495	Door-to-door sales workers, news and street vendors, and related workers		0.457	15,760		
		496	Sales and related workers, all other		0.913	31,520		
		500	First-line supervisors/managers of office and administrative support workers		6.621	228,521		
		770	First-line supervisors/managers of production and operating workers		3.196	110,321		
		780	Bakers		0.228	7,880		
		900	Supervisors, transportation and material moving workers		2.055	70,920		
		913	Driver/sales workers and truck drivers		0.457	15,760		
253	Insurance sales occupations			666,542				
		054	Claims adjusters, appraisers, examiners, and investigators		13.274	88,479		
		085	Personal financial advisors		3.982	26,544		

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1990 Census Codes and Categories		Census 2000 Codes and Categories		1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score	
		086	Insurance underwriters		1.770	11,797		
		220	Postsecondary teachers		1.327	8,848		
		481	Insurance sales agents		76.991	513,178		
		494	Telemarketers		0.885	5,899		
		496	Sales and related workers, all other		0.885	5,899		
		510	Bill and account collectors		0.885	5,899		
254	Real estate sales occupations			801,238				
		081	Appraisers and assessors of real estate		10.573	84,712		
		085	Personal financial advisors		0.881	7,059		
		492	Real estate brokers and sales agents		85.903	688,288		
		496	Sales and related workers, all other		2.643	21,178		
255	Securities and financial services sales occupations			297,548				
		084	Financial analysts		2.516	7,485		
		085	Personal financial advisors		18.868	56,141		
		482	Securities, commodities, and financial services sales agents		75.472	224,565		
		496	Sales and related workers, all other		3.145	9,357		
256	Advertising and related sales occupations			174,065				
		053	Purchasing agents, except wholesale, retail, and farm products		1.613	2,808		
		480	Advertising sales agents		96.237	167,514	2	
		496	Sales and related workers, all other		2.151	3,743		
257	Sales occupations, other business services			549,247				
		476	Retail salespersons		1.402	7,700		
		484	Sales representatives, services, all other		74.766	410,652		
		485	Sales representatives, wholesale and manufacturing		11.682	64,164		
		494	Telemarketers		9.813	53,898		
		524	Customer service representatives		2.336	12,833		
258	Sales engineers			43,616				
		493	Sales engineers		100.000	43,616	1	
259	Sales representatives, mining, manufacturing, and wholesale			1,527,816				
		073	Other business operations specialists		1.581	24,155		
		475	Parts salespersons		5.138	78,504		
		484	Sales representatives, services, all other		2.372	36,233		
		485	Sales representatives, wholesale and manufacturing		76.680	1,171,527		
		496	Sales and related workers, all other		13.834	211,358		
		913	Driver/sales workers and truck drivers		0.395	6,039		
263	Sales workers, motor vehicles and boats			352,279				
		470	First-line supervisors/managers of retail sales workers		2.286	8,052		
		474	Counter and rental clerks		0.571	2,013		
		476	Retail salespersons		95.429	336,175	2	
		485	Sales representatives, wholesale and manufacturing		1.714	6,039		
264	Sales workers, apparel			444,577				
		476	Retail salespersons		100.000	444,577	1	
265	Sales workers, shoes			117,767				

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1990 Census Codes and Categories		Census 2000 Codes and Categories		1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score	
		476	Retail salespersons		100.000	117,767	1	
266	Sales workers, furniture and home furnishings			187,120				
		476	Retail salespersons		99.390	185,979	2	
		484	Sales representatives, services, all other		0.610	1,141		
267	Sales workers; radio, TV, hi-fi, and appliances			170,872				
		476	Retail salespersons		100.000	170,872	1	
268	Sales workers, hardware and building supplies			175,187				
		476	Retail salespersons		100.000	175,187	1	
269	Sales workers, parts			132,093				
		475	Parts salespersons		100.000	132,093	1	
274	Sales workers, other commodities			1,857,857				
		353	Miscellaneous health technologists and technicians		0.241	4,477		
		406	Counter attendants, cafeteria, food concession, and coffee shop		3.614	67,151		
		472	Cashiers		0.482	8,954		
		474	Counter and rental clerks		2.410	44,768		
		475	Parts salespersons		1.205	22,384		
		476	Retail salespersons		78.554	1,459,425		
		482	Securities, commodities, and financial services sales agents		0.723	13,430		
		484	Sales representatives, services, all other		1.205	22,384		
		485	Sales representatives, wholesale and manufacturing		3.133	58,198		
		494	Telemarketers		5.301	98,489		
		495	Door-to-door sales workers, news and street vendors, and related workers		0.482	8,954		
		496	Sales and related workers, all other		2.651	49,244		
275	Sales counter clerks			210,073				
		470	First-line supervisors/managers of retail sales workers		0.667	1,400		
		474	Counter and rental clerks		82.667	173,660		
		476	Retail salespersons		8.667	18,206		
		770	First-line supervisors/managers of production and operating workers		8.000	16,806		
276	Cashiers			2,855,680				
		365	Medical assistants and other healthcare support occupations		3.383	96,621		
		472	Cashiers		75.940	2,168,599		
		476	Retail salespersons		20.301	579,725		
		513	Gaming cage workers		0.376	10,736		
277	Street and door-to-door sales workers			230,927				
		412	Food servers, nonrestaurant		1.053	2,431		
		490	Models, demonstrators, and product promoters		3.158	7,292		
		494	Telemarketers		37.895	87,509		
		495	Door-to-door sales workers, news and street vendors, and related workers		38.947	89,940		
		496	Sales and related workers, all other		18.947	43,755		
278	News vendors			113,849				
		495	Door-to-door sales workers, news and street vendors, and related workers		83.523	95,090		
		913	Driver/sales workers and truck drivers		16.477	18,759		
283	Demonstrators, promoters and models, sales			45,265				

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1990 Census Codes and Categories				1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score	
		Census 2000 Codes and Categories						
		490	Models, demonstrators, and product promoters		98.621	44,641	2	
		496	Sales and related workers, all other		1.379	624		
284	Auctioneers			8,372				
		496	Sales and related workers, all other		100.000	8,372	1	
285	Sales support occupations, n.e.c.			19,318				
		260	Artists and related workers		6.897	1,332		
		496	Sales and related workers, all other		89.655	17,320		
		875	Jewelers and precious stone and metal workers		3.448	666		
303	Supervisors, general office			579,625				
		500	First-line supervisors/managers of office and administrative support workers		94.690	548,848	3	
		570	Secretaries and administrative assistants		5.310	30,777		
304	Supervisors, computer equipment operators			34,548				
		500	First-line supervisors/managers of office and administrative support workers		100.000	34,548	1	
305	Supervisors, financial records processing			110,386				
		500	First-line supervisors/managers of office and administrative support workers		100.000	110,386	1	
306	Chief communications operators			4,373				
		500	First-line supervisors/managers of office and administrative support workers		100.000	4,373	1	
307	Supervisors; distribution, scheduling, and adjusting clerks			195,394				
		500	First-line supervisors/managers of office and administrative support workers		96.154	187,879	2	
		770	First-line supervisors/managers of production and operating workers		3.846	7,515		
308	Computer operators			660,318				
		580	Computer operators		100.000	660,318	1	
309	Peripheral equipment operators			6,895				
		580	Computer operators		92.958	6,409	3	
		590	Office machine operators, except computer		7.042	486		
313	Secretaries			4,018,671				
		500	First-line supervisors/managers of office and administrative support workers		1.439	57,823		
		570	Secretaries and administrative assistants		98.561	3,960,848	2	
314	Stenographers			79,880				
		215	Miscellaneous legal support workers		68.786	54,946		
		365	Medical assistants and other healthcare support occupations		16.763	13,390		
		593	Office and administrative support workers, all other		14.451	11,543		
315	Typists			662,775				
		582	Word processors and typists		99.315	658,235	2	
		583	Desktop publishers		0.685	4,540		
316	Interviewers			205,958				
		523	Credit authorizers, checkers, and clerks		7.345	15,127		
		531	Interviewers, except eligibility and loan		87.006	179,195		
		534	New accounts clerks		5.650	11,636		
317	Hotel clerks			96,390				
		530	Hotel, motel, and resort desk clerks		83.030	80,033		
		541	Reservation and transportation ticket agents and travel clerks		16.970	16,357		
318	Transportation ticket and reservation agents			269,951				

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1990 Census Codes and Categories		Census 2000 Codes and Categories		1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score	
		472	Cashiers		1.835	4,953		
		483	Travel agents		45.413	122,592		
		484	Sales representatives, services, all other		1.835	4,953		
		494	Telemarketers		0.917	2,477		
		541	Reservation and transportation ticket agents and travel clerks		49.541	133,737		
		593	Office and administrative support workers, all other		0.459	1,238		
319	Receptionists			822,093				
		531	Interviewers, except eligibility and loan		4.324	35,550		
		540	Receptionists and information clerks		95.676	786,543	2	
323	Information clerks, n.e.c.			184,254				
		072	Meeting and convention planners		1.504	2,771		
		104	Computer support specialists		0.752	1,385		
		524	Customer service representatives		5.263	9,698		
		533	Loan interviewers and clerks		1.504	2,771		
		540	Receptionists and information clerks		90.226	166,244	3	
		563	Weighers, measurers, checkers, and samplers, recordkeeping		0.752	1,385		
325	Classified-ad clerks			5,282				
		535	Order clerks		100.000	5,282	1	
326	Correspondence clerks			12,521				
		521	Correspondence clerks		100.000	12,521	1	
327	Order clerks			229,122				
		524	Customer service representatives		42.857	98,195		
		535	Order clerks		50.857	116,525		
		562	Stock clerks and order fillers		6.286	14,402		
328	Personnel clerks, except payroll and timekeeping			80,893				
		536	Human resources assistants, except payroll and timekeeping		70.588	57,101		
		584	Insurance claims and policy processing clerks		29.412	23,792		
329	Library clerks			150,475				
		244	Library Technicians		27.059	40,717		
		532	Library assistants, clerical		72.941	109,758		
335	File clerks			267,946				
		526	File Clerks		100.000	267,946	1	
336	Records clerks			137,972				
		054	Claims adjusters, appraisers, examiners, and investigators		0.671	926		
		086	Insurance underwriters		3.356	4,630		
		511	Billing and posting clerks and machine operators		5.369	7,408		
		520	Brokerage clerks		4.698	6,482		
		524	Customer service representatives		6.040	8,334		
		526	File Clerks		42.282	58,337		
		536	Human resources assistants, except payroll and timekeeping		1.342	1,852		
		542	Information and record clerks, all other		21.477	29,632		
		562	Stock clerks and order fillers		0.671	926		
		563	Weighers, measurers, checkers, and samplers, recordkeeping		0.671	926		

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1990 Census Codes and Categories		Census 2000 Codes and Categories		1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score	
		570	Secretaries and administrative assistants		0.671	926		
		584	Insurance claims and policy processing clerks		6.711	9,260		
		591	Proofreaders and copy markers		0.671	926		
		593	Office and administrative support workers, all other		5.369	7,408		
337	Bookkeepers, accounting, and auditing clerks			1,921,952				
		510	Bill and account collectors		2.500	48,049		
		511	Billing and posting clerks and machine operators		3.750	72,073		
		512	Bookkeeping, accounting, and auditing clerks		92.917	1,785,814	3	
		526	File Clerks		0.833	16,016		
338	Payroll and timekeeping clerks			179,480				
		514	Payroll and timekeeping clerks		100.000	179,480	1	
339	Billing clerks			168,476				
		511	Billing and posting clerks and machine operators		100.000	168,476	1	
343	Cost and rate clerks			78,267				
		511	Billing and posting clerks and machine operators		100.000	78,267	1	
344	Billing, posting, and calculating machine operators			53,354				
		511	Billing and posting clerks and machine operators		55.714	29,726		
		590	Office machine operators, except computer		44.286	23,628		
345	Duplicating machine operators			27,866				
		590	Office machine operators, except computer		100.000	27,866	1	
346	Mail preparing and paper handling machine operators			6,196				
		585	Mail clerks and mail machine operators, except postal service		100.000	6,196	1	
347	Office machine operators, n.e.c.			34,726				
		590	Office machine operators, except computer		100.000	34,726	1	
348	Telephone operators			233,257				
		501	Switchboard operators, including answering service		40.782	95,127		
		502	Telephone operators		59.218	138,130		
353	Communications equipment operators, n.e.c.			10,858				
		501	Switchboard operators, including answering service		43.750	4,750		
		502	Telephone operators		11.458	1,244		
		503	Communications equipment operators, all other		28.125	3,054		
		590	Office machine operators, except computer		4.167	452		
		920	Locomotive engineers and operators		12.500	1,357		
354	Postal clerks, exc. mail carriers			350,565				
		554	Postal service clerks		54.054	189,495		
		555	Postal service mail carriers		0.541	1,895		
		556	Postal service mail sorters, processors, and processing machine operators		42.162	147,806		
		590	Office machine operators, except computer		3.243	11,370		
355	Mail carriers, postal service			328,241				
		555	Postal service mail carriers		100.000	328,241	1	
356	Mail clerks, exc. postal service			211,709				
		551	Couriers and messengers		4.403	9,321		
		585	Mail clerks and mail machine operators, except postal service		95.597	202,388	2	

Table 2. 1990 Census Occupation Classification System and Its Redistribution into the Census 2000 Occupation Classification System

1990 Census Codes and Categories			Census 2000 Codes and Categories	1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score	
357	Messengers			142,762				
		496	Sales and related workers, all other		1.299	1,854		
		551	Couriers and messengers		98.052	139,981	2	
		585	Mail clerks and mail machine operators, except postal service		0.649	927		
359	Dispatchers			204,947				
		552	Dispatchers		99.187	203,281	2	
		770	First-line supervisors/managers of production and operating workers		0.813	1,666		
363	Production coordinators			252,659				
		552	Dispatchers		2.857	7,219		
		560	Production, planning, and expediting clerks		97.143	245,440	2	
364	Traffic, shipping, and receiving clerks			648,602				
		524	Customer service representatives		7.111	46,123		
		541	Reservation and transportation ticket agents and travel clerks		0.444	2,883		
		550	Cargo and freight agents		5.333	34,592		
		561	Shipping, receiving, and traffic clerks		87.111	565,004		
365	Stock and inventory clerks			711,772				
		403	Food preparation workers		0.985	7,013		
		500	First-line supervisors/managers of office and administrative support workers		2.463	17,531		
		515	Procurement clerks		5.419	38,569		
		535	Order clerks		1.478	10,519		
		562	Stock clerks and order fillers		87.192	620,609		
		563	Weighers, measurers, checkers, and samplers, recordkeeping		2.463	17,531		
366	Meter readers			49,536				
		553	Meter readers, utilities		100.000	49,536	1	
368	Weighers, measurers, checkers and samplers			80,746				
		535	Order clerks		7.692	6,211		
		563	Weighers, measurers, checkers, and samplers, recordkeeping		85.470	69,014		
		874	Inspectors, testers, sorters, samplers, and weighers		3.419	2,761		
		896	Production workers, all other		3.419	2,761		
373	Expediters			238,789				
		524	Customer service representatives		55.844	133,350		
		560	Production, planning, and expediting clerks		44.156	105,439		
374	Material recording, scheduling, and distributing clerks, n.e.c.			33,855				
		524	Customer service representatives		2.899	981		
		535	Order clerks		1.449	491		
		552	Dispatchers		1.449	491		
		560	Production, planning, and expediting clerks		21.739	7,360		
		562	Stock clerks and order fillers		63.768	21,589		
		593	Office and administrative support workers, all other		8.696	2,944		
375	Insurance adjusters, examiners, and investigators			344,639				
		054	Claims adjusters, appraisers, examiners, and investigators		75.978	261,849		
		584	Insurance claims and policy processing clerks		24.022	82,790		
376	Investigators and adjusters, except insurance			581,830				

Table 2. 1990 Census Occupation Classification System and Its Redistribution into the Census 2000 Occupation Classification System

1990 Census Codes and Categories		Census 2000 Codes and Categories		1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score	
		054	Claims adjusters, appraisers, examiners, and investigators		1.970	11,465		
		062	Human resources, training, and labor relations specialists		1.478	8,598		
		091	Loan counselors and officers		0.985	5,732		
		391	Private detectives and investigators		0.493	2,866		
		523	Credit authorizers, checkers, and clerks		7.389	42,992		
		524	Customer service representatives		74.384	432,790		
		525	Eligibility interviewers, government programs		0.493	2,866		
		533	Loan interviewers and clerks		8.867	51,591		
		542	Information and record clerks, all other		0.493	2,866		
		586	Office clerks, general		0.985	5,732		
		593	Office and administrative support workers, all other		2.463	14,331		
377	Eligibility clerks, social welfare			49,506				
		202	Miscellaneous community and social service specialists		1.250	619		
		511	Billing and posting clerks and machine operators		1.250	619		
		525	Eligibility interviewers, government programs		68.750	34,035		
		584	Insurance claims and policy processing clerks		28.750	14,233		
378	Bill and account collectors			163,112				
		484	Sales representatives, services, all other		0.658	1,073		
		510	Bill and account collectors		99.342	162,039	2	
379	General office clerks			1,491,116				
		254	Teacher assistants		0.664	9,908		
		500	First-line supervisors/managers of office and administrative support workers		1.661	24,769		
		540	Receptionists and information clerks		2.990	44,585		
		561	Shipping, receiving, and traffic clerks		0.332	4,954		
		586	Office clerks, general		90.033	1,342,500	3	
		593	Office and administrative support workers, all other		4.319	64,400		
383	Bank tellers			509,023				
		472	Cashiers		2.367	12,048		
		516	Tellers		97.633	496,975	2	
384	Proofreaders			30,326				
		591	Proofreaders and copy markers		100.000	30,326	1	
385	Data-entry keyers			639,265				
		503	Communications equipment operators, all other		1.070	6,837		
		581	Data entry keyers		98.930	632,428	2	
386	Statistical clerks			148,578				
		351	Medical records and health information technicians		55.556	82,543		
		512	Bookkeeping, accounting, and auditing clerks		6.481	9,630		
		592	Statistical assistants		37.963	56,405		
387	Teachers' aides			275,543				
		254	Teacher assistants		100.000	275,543	1	
389	Administrative support occupations, n.e.c.			688,288				
		286	Miscellaneous media and communication workers		0.461	3,172		
		365	Medical assistants and other healthcare support occupations		3.687	25,375		

Table 2. 1990 Census Occupation Classification System and Its Redistribution into the Census 2000 Occupation Classification System

1990 Census Codes and Categories				1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score	
		Census 2000 Codes and Categories						
		522	Court, municipal, and license clerks		13.825	95,155		
		523	Credit authorizers, checkers, and clerks		0.922	6,344		
		524	Customer service representatives		0.461	3,172		
		533	Loan interviewers and clerks		3.226	22,203		
		541	Reservation and transportation ticket agents and travel clerks		1.843	12,687		
		586	Office clerks, general		14.286	98,327		
		593	Office and administrative support workers, all other		52.535	361,589		
		896	Production workers, all other		4.147	28,547		
		964	Packers and packagers, hand		4.608	31,718		
403	Launderers and ironers			1,687				
		830	Laundry and dry-cleaning workers		16.901	285		
		831	Pressers, textile, garment, and related materials		83.099	1,402		
404	Cooks, private household			9,212				
		402	Cooks		100.000	9,212	1	
405	Housekeepers and butlers			34,416				
		401	First-line supervisors/managers of food preparation and serving workers		1.031	355		
		420	First-line supervisors/managers of housekeeping and janitorial workers		1.031	355		
		423	Maids and housekeeping cleaners		68.041	23,417		
		432	First-line supervisors/managers of personal service workers		1.031	355		
		465	Personal care and service workers, all other		28.866	9,935		
406	Child care workers, private household			164,252				
		460	Child care workers		100.000	164,252	1	
407	Private household cleaners and servants			354,351				
		402	Cooks		1.967	6,971		
		422	Janitors and building cleaners		4.262	15,103		
		423	Maids and housekeeping cleaners		82.623	292,775		
		461	Personal and home care aides		10.164	36,016		
		465	Personal care and service workers, all other		0.656	2,324		
		551	Couriers and messengers		0.328	1,162		
413	Supervisors, firefighting and fire prevention occupations			29,298				
		372	First-line supervisors/managers of fire fighting and prevention workers		82.692	24,227		
		374	Fire fighters		2.885	845		
		375	Fire inspectors		14.423	4,226		
414	Supervisors, police and detectives			61,222				
		370	First-line supervisors/managers of correctional officers		10.303	6,308		
		371	First-line supervisors/managers of police and detectives		80.000	48,978		
		385	Police and sheriff's patrol officers		9.697	5,937		
415	Supervisors, guards			44,686				
		370	First-line supervisors/managers of correctional officers		0.671	300		
		371	First-line supervisors/managers of police and detectives		0.671	300		
		373	Supervisors, protective service workers, all other		83.893	37,488		
		380	Bailiffs, correctional officers, and jailers		2.013	900		
		392	Security guards and gaming surveillance officers		12.752	5,698		

Table 2. 1990 Census Occupation Classification System and Its Redistribution into the Census 2000 Occupation Classification System

1990 Census Codes and Categories				1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score	
			Census 2000 Codes and Categories					
416	Fire inspection and fire prevention occupations			16,725				
		374	Fire fighters		7.752	1,297		
		375	Fire inspectors		75.194	12,576		
		392	Security guards and gaming surveillance officers		17.054	2,852		
417	Firefighting occupations			224,761				
		372	First-line supervisors/managers of fire fighting and prevention workers		2.222	4,995		
		374	Fire fighters		95.556	214,772	3	
		375	Fire inspectors		2.222	4,995		
418	Police and detectives, public service			519,184				
		093	Tax examiners, collectors, and revenue agents		0.526	2,733		
		382	Detectives and criminal investigators		22.105	114,767		
		385	Police and sheriff's patrol officers		75.789	393,487		
		386	Transit and railroad police		1.579	8,198		
423	Sheriffs, bailiffs, and other law enforcement officers			118,432				
		371	First-line supervisors/managers of police and detectives		1.266	1,499		
		380	Bailiffs, correctional officers, and jailers		37.342	44,225		
		382	Detectives and criminal investigators		1.899	2,249		
		383	Fish and game wardens		7.595	8,995		
		384	Parking enforcement workers		8.228	9,744		
		385	Police and sheriff's patrol officers		36.709	43,475		
		392	Security guards and gaming surveillance officers		5.063	5,997		
		395	Lifeguards and other protective service workers		1.899	2,249		
424	Correctional institution officers			184,667				
		380	Bailiffs, correctional officers, and jailers		100.000	184,667	1	
425	Crossing guards			45,313				
		392	Security guards and gaming surveillance officers		2.116	959		
		394	Crossing guards		97.884	44,354	2	
426	Guards and police, exc. public service			785,511				
		385	Police and sheriff's patrol officers		4.418	34,701		
		386	Transit and railroad police		0.803	6,309		
		391	Private detectives and investigators		6.024	47,320		
		392	Security guards and gaming surveillance officers		85.542	671,943		
		395	Lifeguards and other protective service workers		1.606	12,619		
		443	Miscellaneous entertainment attendants and related workers		1.606	12,619		
427	Protective service occupations, n.e.c.			54,976				
		383	Fish and game wardens		1.538	846		
		390	Animal control workers		12.821	7,048		
		392	Security guards and gaming surveillance officers		0.513	282		
		395	Lifeguards and other protective service workers		82.564	45,390		
		460	Child care workers		2.564	1,410		
433	Supervisors, food preparation and service occupations			276,420				
		400	Chefs and head cooks		12.921	35,717		
		401	First-line supervisors/managers of food preparation and serving workers		59.551	164,610		

Table 2. 1990 Census Occupation Classification System and Its Redistribution into the Census 2000 Occupation Classification System

1990 Census Codes and Categories		Census 2000 Codes and Categories		1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score	
		411	Waiters and waitresses		3.933	10,870		
		415	Hosts and hostesses, restaurant, lounge, and coffee shop		21.910	60,564		
		500	First-line supervisors/managers of office and administrative support workers		1.124	3,106		
		780	Bakers		0.562	1,553		
434	Bartenders			330,710				
		404	Bartenders		100.000	330,710	1	
435	Waiters and waitresses			1,488,253				
		405	Combined food preparation and serving workers, including fast food		0.476	7,087		
		411	Waiters and waitresses		99.524	1,481,166	2	
436	Cooks			2,073,260				
		400	Chefs and head cooks		8.779	182,004		
		402	Cooks		72.137	1,495,596		
		403	Food preparation workers		12.214	253,223		
		405	Combined food preparation and serving workers, including fast food		4.198	87,045		
		780	Bakers		2.672	55,392		
438	Food counter, fountain and related occupations			236,480				
		403	Food preparation workers		2.890	6,835		
		405	Combined food preparation and serving workers, including fast food		10.405	24,605		
		406	Counter attendants, cafeteria, food concession, and coffee shop		61.850	146,262		
		411	Waiters and waitresses		12.717	30,073		
		412	Food servers, nonrestaurant		10.405	24,605		
		413	Dining room and cafeteria attendants and bartender helpers		1.734	4,101		
439	Kitchen workers, food preparation			211,500				
		403	Food preparation workers		52.525	111,091		
		405	Combined food preparation and serving workers, including fast food		45.960	97,205		
		781	Butchers and other meat, poultry, and fish processing workers		1.515	3,205		
443	Waiters'/waitresses' assistants			378,558				
		406	Counter attendants, cafeteria, food concession, and coffee shop		12.429	47,052		
		411	Waiters and waitresses		18.079	68,440		
		412	Food servers, nonrestaurant		9.605	36,359		
		413	Dining room and cafeteria attendants and bartender helpers		59.887	226,707		
444	Miscellaneous food preparation occupations			743,777				
		402	Cooks		11.795	87,728		
		403	Food preparation workers		27.179	202,155		
		405	Combined food preparation and serving workers, including fast food		1.538	11,443		
		412	Food servers, nonrestaurant		3.077	22,885		
		413	Dining room and cafeteria attendants and bartender helpers		11.795	87,728		
		414	Dishwashers		36.410	270,811		
		415	Hosts and hostesses, restaurant, lounge, and coffee shop		1.026	7,628		
		416	Food preparation and serving related workers, all other		7.179	53,399		
445	Dental assistants			179,287				
		364	Dental assistants		100.000	179,287	1	
446	Health aides, except nursing			222,977				

Table 2. 1990 Census Occupation Classification System and Its Redistribution into the Census 2000 Occupation Classification System

1990 Census Codes and Categories				1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score	
		Census 2000 Codes and Categories						
		200	Counselors		6.000	13,379		
		313	Registered nurses		0.400	892		
		315	Occupational therapists		0.800	1,784		
		316	Physical therapists		4.800	10,703		
		330	Clinical laboratory technologists and technicians		9.200	20,514		
		341	Health diagnosing and treating practitioner support technicians		1.200	2,676		
		360	Nursing, psychiatric, and home health aides		4.800	10,703		
		361	Occupational therapist assistants and aides		1.600	3,568		
		362	Physical therapist assistants and aides		8.000	17,838		
		365	Medical assistants and other healthcare support occupations		53.200	118,624		
		412	Food servers, nonrestaurant		9.200	20,514		
		911	Ambulance drivers and attendants, except emergency medical technicians		0.800	1,784		
447	Nursing aides, orderlies, and attendants			1,859,694				
		313	Registered nurses		1.639	30,487		
		341	Health diagnosing and treating practitioner support technicians		1.311	24,389		
		350	Licensed practical and licensed vocational nurses		8.852	164,629		
		360	Nursing, psychiatric, and home health aides		70.820	1,317,029		
		361	Occupational therapist assistants and aides		0.328	6,097		
		365	Medical assistants and other healthcare support occupations		3.934	73,168		
		460	Child care workers		2.623	48,779		
		461	Personal and home care aides		10.492	195,115		
448	Supervisors, cleaning and building service workers			167,475				
		420	First-line supervisors/managers of housekeeping and janitorial workers		96.063	160,881	2	
		422	Janitors and building cleaners		3.150	5,275		
		975	Material moving workers, all other		0.787	1,319		
449	Maids and housemen			712,789				
		422	Janitors and building cleaners		13.744	97,966		
		423	Maids and housekeeping cleaners		84.360	601,310		
		453	Baggage porters, bellhops, and concierges		1.896	13,513		
453	Janitors and cleaners			2,481,545				
		420	First-line supervisors/managers of housekeeping and janitorial workers		4.298	106,657		
		422	Janitors and building cleaners		64.470	1,599,850		
		423	Maids and housekeeping cleaners		23.209	575,946		
		453	Baggage porters, bellhops, and concierges		0.287	7,110		
		733	Industrial and refractory machinery mechanics		0.573	14,221		
		961	Cleaners of vehicles and equipment		3.725	92,436		
		962	Laborers and freight, stock, and material movers, hand		3.438	85,325		
454	Elevator operators			11,411				
		975	Material moving workers, all other		100.000	11,411	1	
455	Pest control occupations			50,481				
		424	Pest control workers		100.000	50,481	1	
456	Supervisors, personal service occupations			62,932				
		401	First-line supervisors/managers of food preparation and serving workers		2.542	1,600		

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1990 Census Codes and Categories		Census 2000 Codes and Categories		1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score	
		430	First-line supervisors/managers of gaming workers		9.322	5,867		
		432	First-line supervisors/managers of personal service workers		40.678	25,599		
		442	Ushers, lobby attendants, and ticket takers		1.695	1,067		
		443	Miscellaneous entertainment attendants and related workers		5.932	3,733		
		453	Baggage porters, bellhops, and concierges		7.627	4,800		
		460	Child care workers		27.966	17,600		
		471	First-line supervisors/managers of non-retail sales workers		1.695	1,067		
		975	Material moving workers, all other		2.542	1,600		
457	Barbers			84,626				
		220	Postsecondary teachers		0.515	436		
		450	Barbers		96.392	81,572	2	
		451	Hairdressers, hairstylists, and cosmetologists		3.093	2,617		
458	Hairdressers and cosmetologists			733,576				
		220	Postsecondary teachers		1.932	14,175		
		451	Hairdressers, hairstylists, and cosmetologists		89.855	659,155		
		452	Miscellaneous personal appearance workers		8.213	60,245		
459	Attendants, amusement and recreation facilities			137,153				
		392	Security guards and gaming surveillance officers		1.899	2,604		
		430	First-line supervisors/managers of gaming workers		1.899	2,604		
		440	Gaming services workers		32.911	45,139		
		442	Ushers, lobby attendants, and ticket takers		3.797	5,208		
		443	Miscellaneous entertainment attendants and related workers		52.532	72,049		
		460	Child care workers		1.266	1,736		
		462	Recreation and fitness workers		3.797	5,208		
		474	Counter and rental clerks		1.899	2,604		
461	Guides			41,286				
		360	Nursing, psychiatric, and home health aides		12.295	5,076		
		454	Tour and travel guides		87.705	36,210		
462	Ushers			29,611				
		406	Counter attendants, cafeteria, food concession, and coffee shop		1.333	395		
		442	Ushers, lobby attendants, and ticket takers		98.667	29,216	2	
463	Public transportation attendants			105,949				
		455	Transportation attendants		100.000	105,949	1	
464	Baggage porters and bellhops			38,763				
		412	Food servers, nonrestaurant		17.829	6,911		
		453	Baggage porters, bellhops, and concierges		79.070	30,650		
		455	Transportation attendants		3.101	1,202		
465	Welfare service aides			48,190				
		202	Miscellaneous community and social service specialists		59.524	28,685		
		460	Child care workers		1.190	574		
		461	Personal and home care aides		39.286	18,932		
466	Family child care providers			434,643				
		460	Child care workers		100.000	434,643	1	

Table 2. 1990 Census Occupation Classification System and Its Redistribution into the Census 2000 Occupation Classification System

1990 Census Codes and Categories				1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score	
			Census 2000 Codes and Categories					
467	Early childhood teacher's assistants			338,928				
		254	Teacher assistants		18.966	64,279		
		460	Child care workers		81.034	274,649		
468	Child care workers, n.e.c.			211,351				
		254	Teacher assistants		7.634	16,134		
		460	Child care workers		80.916	171,017		
		464	Residential advisors		11.450	24,200		
469	Personal service occupations, n.e.c.			227,239				
		034	Lodging managers		0.532	1,209		
		280	Announcers		1.064	2,417		
		363	Massage therapists		13.830	31,427		
		365	Medical assistants and other healthcare support occupations		1.064	2,417		
		401	First-line supervisors/managers of food preparation and serving workers		1.064	2,417		
		415	Hosts and hostesses, restaurant, lounge, and coffee shop		25.000	56,810		
		420	First-line supervisors/managers of housekeeping and janitorial workers		0.532	1,209		
		422	Janitors and building cleaners		0.532	1,209		
		423	Maids and housekeeping cleaners		19.149	43,514		
		442	Ushers, lobby attendants, and ticket takers		9.574	21,757		
		443	Miscellaneous entertainment attendants and related workers		6.383	14,505		
		446	Funeral service workers		4.255	9,670		
		453	Baggage porters, bellhops, and concierges		2.660	6,044		
		454	Tour and travel guides		0.532	1,209		
		462	Recreation and fitness workers		1.064	2,417		
		464	Residential advisors		5.319	12,087		
		465	Personal care and service workers, all other		5.851	13,296		
		470	First-line supervisors/managers of retail sales workers		0.532	1,209		
		490	Models, demonstrators, and product promoters		1.064	2,417		
473	Farmers, except horticultural			795,187				
		021	Farmers and ranchers		70.792	562,929		
		425	Grounds maintenance workers		0.990	7,873		
		605	Miscellaneous agricultural workers		28.218	224,384		
474	Horticultural specialty farmers			34,732				
		021	Farmers and ranchers		18.125	6,295		
		421	First-line supervisors/managers of landscaping, lawn service, and groundskeeping workers		5.000	1,737		
		425	Grounds maintenance workers		75.625	26,266		
		605	Miscellaneous agricultural workers		1.250	434		
475	Managers, farms, except horticultural			238,884				
		020	Farm, ranch, and other agricultural managers		70.000	167,219		
		600	First-line supervisors/managers of farming, fishing, and forestry workers		7.778	18,580		
		602	Animal breeders		5.556	13,271		
		605	Miscellaneous agricultural workers		16.667	39,814		
476	Managers, horticultural specialty farms			18,562				
		020	Farm, ranch, and other agricultural managers		55.435	10,290		

Table 2. 1990 Census Occupation Classification System and Its Redistribution into the Census 2000 Occupation Classification System

1990 Census Codes and Categories		Census 2000 Codes and Categories		1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score	
		263	Designers		4.348	807		
		421	First-line supervisors/managers of landscaping, lawn service, and groundskeeping workers		40.217	7,465		
477	Supervisors, farm workers			43,435				
		421	First-line supervisors/managers of landscaping, lawn service, and groundskeeping workers		2.632	1,143		
		600	First-line supervisors/managers of farming, fishing, and forestry workers		97.368	42,292	2	
479	Farm workers			759,669				
		020	Farm, ranch, and other agricultural managers		4.870	36,997		
		425	Grounds maintenance workers		1.623	12,332		
		434	Animal trainers		3.247	24,665		
		435	Nonfarm animal caretakers		1.948	14,799		
		605	Miscellaneous agricultural workers		87.662	665,944		
		612	Forest and conservation workers		0.325	2,466		
		854	Woodworking machine setters, operators, and tenders, except sawing		0.325	2,466		
483	Marine life cultivation workers			1,233				
		605	Miscellaneous agricultural workers		100.000	1,233	1	
484	Nursery workers			37,736				
		425	Grounds maintenance workers		6.936	2,618		
		605	Miscellaneous agricultural workers		93.064	35,118	3	
485	Supervisors, related agricultural occupations			65,607				
		020	Farm, ranch, and other agricultural managers		2.381	1,562		
		421	First-line supervisors/managers of landscaping, lawn service, and groundskeeping workers		73.016	47,904		
		425	Grounds maintenance workers		2.381	1,562		
		600	First-line supervisors/managers of farming, fishing, and forestry workers		10.317	6,769		
		605	Miscellaneous agricultural workers		11.905	7,810		
486	Groundskeepers and gardeners, except farm			735,556				
		422	Janitors and building cleaners		1.747	12,848		
		425	Grounds maintenance workers		87.336	642,407		
		605	Miscellaneous agricultural workers		10.917	80,301		
487	Animal caretakers, except farm			107,205				
		365	Medical assistants and other healthcare support occupations		22.892	24,541		
		435	Nonfarm animal caretakers		73.494	78,789		
		605	Miscellaneous agricultural workers		3.614	3,875		
488	Graders and sorters, agricultural products			54,659				
		604	Graders and sorters, agricultural products		40.645	22,216		
		605	Miscellaneous agricultural workers		47.097	25,743		
		964	Packers and packagers, hand		12.258	6,700		
489	Inspectors, agricultural products			4,315				
		601	Agricultural inspectors		76.389	3,296		
		604	Graders and sorters, agricultural products		22.222	959		
		605	Miscellaneous agricultural workers		1.389	60		
494	Supervisors, forestry, and logging workers			12,068				
		600	First-line supervisors/managers of farming, fishing, and forestry workers		80.519	9,717		
		613	Logging workers		19.481	2,351		

Table 2. 1990 Census Occupation Classification System and Its Redistribution into the Census 2000 Occupation Classification System

1990 Census Codes and Categories			1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score	
	Census 2000 Codes and Categories						
495	Forestry workers, except logging		20,431				
	021	Farmers and ranchers		0.658	134		
	196	Other life, physical, and social science technicians		27.632	5,645		
	612	Forest and conservation workers		71.711	14,651		
496	Timber cutting and logging occupations		115,524				
	613	Logging workers		100.000	115,524	1	
497	Captains and other officers, fishing vessels		6,341				
	610	Fishers and related fishing workers		75.862	4,810		
	931	Ship and boat captains and operators		24.138	1,531		
498	Fishers		52,152				
	020	Farm, ranch, and other agricultural managers		0.515	269		
	605	Miscellaneous agricultural workers		1.031	538		
	610	Fishers and related fishing workers		96.392	50,270	2	
	930	Sailors and marine oilers		1.546	806		
	952	Dredge, excavating, and loading machine operators		0.515	269		
499	Hunters and trappers		2,099				
	610	Fishers and related fishing workers		8.197	172		
	611	Hunters and trappers		91.803	1,927	3	
503	Supervisors, mechanics and repairers		270,582				
	700	First-line supervisors/managers of mechanics, installers, and repairers		99.310	268,716	2	
	770	First-line supervisors/managers of production and operating workers		0.690	1,866		
505	Automobile mechanics		954,623				
	711	Electronic equipment installers and repairers, motor vehicles		1.156	11,036		
	720	Automotive service technicians and mechanics		98.266	938,069	2	
	721	Bus and truck mechanics and diesel engine specialists		0.578	5,518		
506	Automobile mechanic apprentices		1,591				
	720	Automotive service technicians and mechanics		100.000	1,591	1	
507	Bus, truck, and stationary engine mechanics		266,142				
	721	Bus and truck mechanics and diesel engine specialists		96.450	256,693	2	
	722	Heavy vehicle and mobile equipment service technicians and mechanics		3.550	9,449		
508	Aircraft engine mechanics		134,672				
	714	Aircraft mechanics and service technicians		100.000	134,672	1	
509	Small engine repairers		62,022				
	724	Small engine mechanics		100.000	62,022	1	
514	Automobile body and related repairers		228,710				
	715	Automotive body and related repairers		92.661	211,924	3	
	716	Automotive glass installers and repairers		7.339	16,786		
515	Aircraft mechanics, exc. engine		31,814				
	714	Aircraft mechanics and service technicians		100.000	31,814	1	
516	Heavy equipment mechanics		157,495				
	722	Heavy vehicle and mobile equipment service technicians and mechanics		100.000	157,495	1	
517	Farm equipment mechanics		28,609				
	722	Heavy vehicle and mobile equipment service technicians and mechanics		100.000	28,609	1	

Table 2. 1990 Census Occupation Classification System and Its Redistribution into the Census 2000 Occupation Classification System

1990 Census Codes and Categories			Census 2000 Codes and Categories	1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score	
518	Industrial machinery repairers			332,779				
		733	Industrial and refractory machinery mechanics		97.297	323,785	2	
		736	Millwrights		1.351	4,497		
		841	Textile knitting and weaving machine setters, operators, and tenders		1.351	4,497		
519	Machinery maintenance occupations			25,273				
		735	Maintenance workers, machinery		100.000	25,273	1	
523	Electronic repairers, communications and industrial equipment			179,229				
		290	Broadcast and sound engineering technicians and radio operators		6.289	11,272		
		635	Electricians		2.516	4,509		
		701	Computer, automated teller, and office machine repairers		2.516	4,509		
		702	Radio and telecommunications equipment installers and repairers		42.767	76,651		
		703	Avionics technicians		6.289	11,272		
		710	Electrical and electronics repairers, industrial and utility		4.403	7,891		
		711	Electronic equipment installers and repairers, motor vehicles		1.258	2,254		
		712	Electronic home entertainment equipment installers and repairers		14.465	25,926		
		713	Security and fire alarm systems installers		0.629	1,127		
		742	Telecommunications line installers and repairers		18.868	33,817		
525	Data processing equipment repairers			91,657				
		701	Computer, automated teller, and office machine repairers		100.000	91,657	1	
526	Household appliance and power tool repairers			53,125				
		635	Electricians		1.099	584		
		704	Electric motor, power tool, and related repairers		6.593	3,503		
		731	Heating, air conditioning, and refrigeration mechanics and installers		1.099	584		
		732	Home appliance repairers		91.209	48,455	3	
527	Telephone line installers and repairers			50,633				
		741	Electrical power-line installers and repairers		3.448	1,746		
		742	Telecommunications line installers and repairers		96.552	48,887	2	
529	Telephone installers and repairers			190,927				
		702	Radio and telecommunications equipment installers and repairers		79.137	151,093		
		742	Telecommunications line installers and repairers		20.863	39,834		
533	Miscellaneous electrical and electronic equipment repairers			69,954				
		703	Avionics technicians		15.278	10,687		
		704	Electric motor, power tool, and related repairers		40.278	28,176		
		705	Electrical and electronics installers and repairers, transportation equipment		4.167	2,915		
		710	Electrical and electronics repairers, industrial and utility		4.167	2,915		
		711	Electronic equipment installers and repairers, motor vehicles		31.944	22,346		
		743	Precision instrument and equipment repairers		1.389	972		
		762	Other installation, maintenance, and repair workers		2.778	1,943		
534	Heating, air conditioning, and refrigeration mechanics			192,983				
		731	Heating, air conditioning, and refrigeration mechanics and installers		100.000	192,983	1	
535	Camera, watch, and musical instrument repairers			31,097				
		743	Precision instrument and equipment repairers		100.000	31,097	1	
536	Locksmiths and safe repairers			27,137				

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1990 Census Codes and Categories				1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score	
		Census 2000 Codes and Categories						
		754	Locksmiths and safe repairers		100.000	27,137	1	
538	Office machine repairers			41,888				
		701	Computer, automated teller, and office machine repairers		100.000	41,888	1	
539	Mechanical controls and valve repairers			20,408				
		730	Control and valve installers and repairers		100.000	20,408	1	
543	Elevator installers and repairers			25,634				
		670	Elevator installers and repairers		100.000	25,634	1	
544	Millwrights			96,140				
		736	Millwrights		100.000	96,140	1	
547	Specified mechanics and repairers, n.e.c.			213,949				
		683	Explosives workers, ordnance handling experts, and blasters		0.461	986		
		702	Radio and telecommunications equipment installers and repairers		2.304	4,930		
		703	Avionics technicians		0.461	986		
		704	Electric motor, power tool, and related repairers		0.461	986		
		712	Electronic home entertainment equipment installers and repairers		2.304	4,930		
		715	Automotive body and related repairers		0.461	986		
		726	Miscellaneous vehicle and mobile equipment mechanics, installers, and repairers		3.226	6,902		
		730	Control and valve installers and repairers		1.843	3,944		
		732	Home appliance repairers		1.382	2,958		
		733	Industrial and refractory machinery mechanics		8.756	18,733		
		734	Maintenance and repair workers, general		11.521	24,649		
		735	Maintenance workers, machinery		0.922	1,972		
		743	Precision instrument and equipment repairers		7.834	16,761		
		751	Coin, vending, and amusement machine servicers and repairers		6.452	13,803		
		755	Manufactured building and mobile home installers		5.069	10,845		
		756	Riggers		3.226	6,902		
		762	Other installation, maintenance, and repair workers		32.258	69,016		
		775	Miscellaneous assemblers and fabricators		3.687	7,888		
		813	Tool and die makers		0.461	986		
		821	Tool grinders, filers, and sharpeners		0.461	986		
		823	Bookbinders and bindery workers		2.304	4,930		
		833	Shoe and leather workers and repairers		0.922	1,972		
		851	Furniture finishers		0.922	1,972		
		876	Medical, dental, and ophthalmic laboratory technicians		0.461	986		
		962	Laborers and freight, stock, and material movers, hand		1.843	3,944		
549	Not specified mechanics and repairers			492,093				
		734	Maintenance and repair workers, general		66.667	328,062		
		735	Maintenance workers, machinery		1.754	8,633		
		762	Other installation, maintenance, and repair workers		31.579	155,398		
553	Supervisors; brickmasons, stonemasons, and tile setters			12,968				
		620	First-line supervisors/managers of construction trades and extraction workers		100.000	12,968	1	
554	Supervisors, carpenters and related workers			45,625				
		620	First-line supervisors/managers of construction trades and extraction workers		96.667	44,104	2	

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1990 Census Codes and Categories				1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score	
		Census 2000 Codes and Categories						
		770	First-line supervisors/managers of production and operating workers		1.667	760		
		900	Supervisors, transportation and material moving workers		1.667	760		
555	Supervisors, electricians and power transmission installers			73,556				
		620	First-line supervisors/managers of construction trades and extraction workers		91.262	67,129	3	
		700	First-line supervisors/managers of mechanics, installers, and repairers		8.738	6,427		
556	Supervisors; painters, paperhangers, and plasterers			32,369				
		620	First-line supervisors/managers of construction trades and extraction workers		100.000	32,369	1	
557	Supervisors; plumbers, pipefitters, and steamfitters			20,518				
		620	First-line supervisors/managers of construction trades and extraction workers		100.000	20,518	1	
558	Supervisors, construction, n.e.c.			652,964				
		620	First-line supervisors/managers of construction trades and extraction workers		87.333	570,255		
		700	First-line supervisors/managers of mechanics, installers, and repairers		4.667	30,472		
		770	First-line supervisors/managers of production and operating workers		4.667	30,472		
		900	Supervisors, transportation and material moving workers		3.333	21,765		
563	Brickmasons and stonemasons			196,939				
		622	Brickmasons, blockmasons, and stonemasons		96.354	189,759	2	
		624	Carpet, floor, and tile installers and finishers		3.646	7,180		
564	Brickmason and stonemason apprentices			727				
		622	Brickmasons, blockmasons, and stonemasons		100.000	727	1	
565	Tile setters, hard and soft			55,642				
		624	Carpet, floor, and tile installers and finishers		100.000	55,642	1	
566	Carpet installers			111,836				
		624	Carpet, floor, and tile installers and finishers		100.000	111,836	1	
567	Carpenters			1,360,707				
		623	Carpenters		90.038	1,225,158	3	
		624	Carpet, floor, and tile installers and finishers		2.299	31,281		
		633	Drywall installers, ceiling tile installers, and tapers		5.747	78,202		
		660	Helpers, construction trades		1.916	26,067		
569	Carpenter apprentices			4,853				
		623	Carpenters		100.000	4,853	1	
573	Drywall installers			150,554				
		633	Drywall installers, ceiling tile installers, and tapers		100.000	150,554	1	
575	Electricians			635,017				
		635	Electricians		96.316	611,622	2	
		713	Security and fire alarm systems installers		3.684	23,395		
576	Electrician apprentices			15,572				
		635	Electricians		100.000	15,572	1	
577	Electrical power installers and repairers			120,232				
		635	Electricians		14.286	17,176		
		700	First-line supervisors/managers of mechanics, installers, and repairers		5.357	6,441		
		741	Electrical power-line installers and repairers		69.643	83,733		
		742	Telecommunications line installers and repairers		4.464	5,368		
		760	Signal and track switch repairers		6.250	7,515		

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1990 Census Codes and Categories			Census 2000 Codes and Categories	1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score	
579	Painters, construction and maintenance			559,026				
		626	Construction laborers		0.803	4,490		
		642	Painters, construction and maintenance		93.574	523,105	3	
		881	Painting workers		5.622	31,431		
583	Paperhangers			17,210				
		642	Painters, construction and maintenance		5.729	986		
		643	Paperhangers		94.271	16,224	3	
584	Plasterers			43,109				
		646	Plasterers and stucco masons		100.000	43,109	1	
585	Plumbers, pipefitters, and steamfitters			488,858				
		644	Pipelayers, plumbers, pipefitters, and steamfitters		100.000	488,858	1	
587	Plumber, pipefitter, and steamfitter apprentices			6,579				
		644	Pipelayers, plumbers, pipefitters, and steamfitters		100.000	6,579	1	
588	Concrete and terrazzo finishers			75,945				
		625	Cement masons, concrete finishers, and terrazzo workers		100.000	75,945	1	
589	Glaziers			45,595				
		636	Glaziers		100.000	45,595	1	
593	Insulation workers			74,412				
		640	Insulation workers		61.143	45,498		
		672	Hazardous materials removal workers		38.857	28,914		
594	Paving, surfacing, and tamping equipment operators			13,110				
		630	Paving, surfacing, and tamping equipment operators		94.872	12,438	3	
		632	Operating engineers and other construction equipment operators		1.282	168		
		673	Highway maintenance workers		3.846	504		
595	Roofers			197,183				
		651	Roofers		100.000	197,183	1	
596	Sheetmetal duct installers			29,962				
		652	Sheet metal workers		100.000	29,962	1	
597	Structural metal workers			75,338				
		650	Reinforcing iron and rebar workers		14.516	10,936		
		653	Structural iron and steel workers		78.226	58,934		
		774	Structural metal fabricators and fitters		4.032	3,038		
		816	Lay-out workers, metal and plastic		3.226	2,430		
598	Drillers, earth			20,491				
		682	Earth drillers, except oil and gas		100.000	20,491	1	
599	Construction trades, n.e.c.			181,103				
		425	Grounds maintenance workers		0.699	1,266		
		623	Carpenters		0.699	1,266		
		624	Carpet, floor, and tile installers and finishers		1.399	2,533		
		625	Cement masons, concrete finishers, and terrazzo workers		1.399	2,533		
		626	Construction laborers		6.993	12,665		
		631	Pile-driver operators		2.797	5,066		
		632	Operating engineers and other construction equipment operators		0.699	1,266		

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1990 Census Codes and Categories				1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score	
		Census 2000 Codes and Categories						
		644	Pipelayers, plumbers, pipefitters, and steamfitters		16.084	29,128		
		650	Reinforcing iron and rebar workers		2.098	3,799		
		653	Structural iron and steel workers		7.692	13,931		
		660	Helpers, construction trades		2.797	5,066		
		671	Fence erectors		13.986	25,329		
		673	Highway maintenance workers		20.280	36,727		
		674	Rail-track laying and maintenance equipment operators		1.399	2,533		
		676	Miscellaneous construction and related workers		14.685	26,596		
		712	Electronic home entertainment equipment installers and repairers		1.399	2,533		
		756	Riggers		3.497	6,332		
		896	Production workers, all other		1.399	2,533		
613	Supervisors, extractive occupations			49,319				
		620	First-line supervisors/managers of construction trades and extraction workers		95.890	47,292	2	
		900	Supervisors, transportation and material moving workers		4.110	2,027		
614	Drillers, oil well			37,072				
		680	Derrick, rotary drill, and service unit operators, oil, gas, and mining		37.956	14,071		
		692	Roustabouts, oil and gas		40.876	15,154		
		693	Helpers--extraction workers		16.058	5,953		
		694	Other extraction workers		5.109	1,894		
615	Explosives workers			9,377				
		683	Explosives workers, ordnance handling experts, and blasters		89.691	8,410		
		896	Production workers, all other		10.309	967		
616	Mining machine operators			62,318				
		682	Earth drillers, except oil and gas		5.926	3,693		
		684	Mining machine operators		88.148	54,932		
		691	Roof bolters, mining		5.185	3,231		
		694	Other extraction workers		0.741	462		
617	Mining occupations, n.e.c.			34,776				
		684	Mining machine operators		21.239	7,386		
		691	Roof bolters, mining		12.389	4,309		
		692	Roustabouts, oil and gas		0.885	308		
		694	Other extraction workers		51.327	17,850		
		961	Cleaners of vehicles and equipment		14.159	4,924		
628	Supervisors, production occupations			1,299,637				
		500	First-line supervisors/managers of office and administrative support workers		15.217	197,771		
		620	First-line supervisors/managers of construction trades and extraction workers		2.826	36,729		
		700	First-line supervisors/managers of mechanics, installers, and repairers		2.826	36,729		
		770	First-line supervisors/managers of production and operating workers		69.348	901,270		
		836	Textile bleaching and dyeing machine operators and tenders		0.217	2,825		
		900	Supervisors, transportation and material moving workers		9.348	121,488		
		931	Ship and boat captains and operators		0.217	2,825		
634	Tool and die makers			142,814				
		813	Tool and die makers		100.000	142,814	1	

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1990 Census Codes and Categories				1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score	
			Census 2000 Codes and Categories					
635	Tool and die maker apprentices			2,376				
		813	Tool and die makers		100.000	2,376	1	
636	Precision assemblers, metal			40,959				
		771	Aircraft structure, surfaces, rigging, and systems assemblers		26.957	11,041		
		773	Engine and other machine assemblers		46.957	19,233		
		775	Miscellaneous assemblers and fabricators		26.087	10,685		
637	Machinists			569,081				
		803	Machinists		98.985	563,304	2	
		850	Cabinetmakers and bench carpenters		1.015	5,777		
639	Machinist apprentices			1,543				
		803	Machinists		100.000	1,543	1	
643	Boilermakers			24,293				
		621	Boilermakers		100.000	24,293	1	
644	Precision grinders, filers, and tool sharpeners			23,069				
		821	Tool grinders, filers, and sharpeners		100.000	23,069	1	
645	Patternmakers and model makers, metal			5,442				
		806	Model makers and patternmakers, metal and plastic		98.750	5,374	2	
		874	Inspectors, testers, sorters, samplers, and weighers		1.250	68		
646	Lay-out workers			16,987				
		774	Structural metal fabricators and fitters		1.053	179		
		816	Lay-out workers, metal and plastic		95.789	16,272	2	
		855	Woodworkers, all other		1.053	179		
		896	Production workers, all other		2.105	358		
647	Precious stones and metals workers (Jewelers)			61,830				
		743	Precision instrument and equipment repairers		0.752	465		
		875	Jewelers and precious stone and metal workers		99.248	61,365	2	
649	Engravers, metal			17,158				
		891	Etchers and engravers		100.000	17,158	1	
653	Sheet metal workers			143,491				
		652	Sheet metal workers		100.000	143,491	1	
654	Sheet metal worker apprentices			951				
		652	Sheet metal workers		100.000	951	1	
655	Miscellaneous precision metal workers			2,380				
		774	Structural metal fabricators and fitters		1.333	32		
		775	Miscellaneous assemblers and fabricators		24.000	571		
		800	Grinding, lapping, polishing, and buffing machine tool setters, operators, and tenders, metal and plastic		32.000	762		
		803	Machinists		2.667	63		
		810	Molders and molding machine setters, operators, and tenders, metal and plastic		10.667	254		
		821	Tool grinders, filers, and sharpeners		28.000	666		
		891	Etchers and engravers		1.333	32		
656	Patternmakers and model makers, wood			3,299				
		852	Model makers and patternmakers, wood		87.013	2,871		

Table 2. 1990 Census Occupation Classification System and Its Redistribution into the Census 2000 Occupation Classification System

1990 Census Codes and Categories				1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score	
		Census 2000 Codes and Categories						
		855	Woodworkers, all other		6.494	214		
		892	Molders, shapers, and casters, except metal and plastic		6.494	214		
657	Cabinet makers and bench carpenters			71,871				
		850	Cabinetmakers and bench carpenters		100.000	71,871	1	
658	Furniture and wood finishers			33,431				
		851	Furniture finishers		100.000	33,431	1	
659	Miscellaneous precision woodworkers			2,058				
		854	Woodworking machine setters, operators, and tenders, except sawing		25.000	515		
		855	Woodworkers, all other		75.000	1,544		
666	Dressmakers			97,258				
		835	Tailors, dressmakers, and sewers		100.000	97,258	1	
667	Tailors			56,807				
		835	Tailors, dressmakers, and sewers		100.000	56,807	1	
668	Upholsterers			73,938				
		845	Upholsterers		100.000	73,938	1	
669	Shoe repairers			28,028				
		833	Shoe and leather workers and repairers		100.000	28,028	1	
674	Miscellaneous precision apparel and fabric workers			16,489				
		835	Tailors, dressmakers, and sewers		2.667	440		
		840	Textile cutting machine setters, operators, and tenders		2.667	440		
		844	Fabric and apparel patternmakers		14.667	2,418		
		846	Textile, apparel, and furnishings workers, all other		80.000	13,191		
675	Hand molders and shapers, except jewelers			20,057				
		810	Molders and molding machine setters, operators, and tenders, metal and plastic		11.207	2,248		
		892	Molders, shapers, and casters, except metal and plastic		88.793	17,809		
676	Patternmakers, lay-out workers, and cutters			22,890				
		636	Glaziers		4.286	981		
		775	Miscellaneous assemblers and fabricators		0.714	164		
		806	Model makers and patternmakers, metal and plastic		56.429	12,917		
		844	Fabric and apparel patternmakers		36.429	8,339		
		871	Cutting workers		0.714	164		
		892	Molders, shapers, and casters, except metal and plastic		1.429	327		
677	Optical goods workers			74,907				
		352	Opticians, dispensing		70.690	52,952		
		874	Inspectors, testers, sorters, samplers, and weighers		0.575	431		
		876	Medical, dental, and ophthalmic laboratory technicians		28.736	21,525		
678	Dental laboratory and medical appliance technicians			56,964				
		876	Medical, dental, and ophthalmic laboratory technicians		100.000	56,964	1	
679	Bookbinders			29,933				
		823	Bookbinders and bindery workers		100.000	29,933	1	
683	Electrical and electronic equipment assemblers			309,406				
		772	Electrical, electronics, and electromechanical assemblers		92.857	287,306	3	
		773	Engine and other machine assemblers		1.905	5,893		

Table 2. 1990 Census Occupation Classification System and Its Redistribution into the Census 2000 Occupation Classification System

1990 Census Codes and Categories		Census 2000 Codes and Categories		1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score	
		775	Miscellaneous assemblers and fabricators		5.238	16,207		
684	Miscellaneous precision workers, n.e.c.			54,214				
		775	Miscellaneous assemblers and fabricators		9.615	5,213		
		812	Multiple machine tool setters, operators, and tenders, metal and plastic		2.885	1,564		
		822	Metalworkers and plastic workers, all other		77.885	42,224		
		865	Crushing, grinding, polishing, mixing, and blending workers		2.885	1,564		
		876	Medical, dental, and ophthalmic laboratory technicians		3.846	2,085		
		883	Photographic process workers and processing machine operators		2.885	1,564		
686	Butchers and meat cutters			278,902				
		781	Butchers and other meat, poultry, and fish processing workers		99.485	277,464	2	
		964	Packers and packagers, hand		0.515	1,438		
687	Bakers			159,172				
		780	Bakers		100.000	159,172	1	
688	Food batchmakers			53,838				
		784	Food batchmakers		100.000	53,838	1	
689	Inspectors, testers, and graders			131,905				
		054	Claims adjusters, appraisers, examiners, and investigators		0.581	767		
		666	Construction and building inspectors		3.488	4,601		
		874	Inspectors, testers, sorters, samplers, and weighers		77.326	101,996		
		941	Transportation inspectors		18.605	24,540		
693	Adjusters and calibrators			8,750				
		056	Compliance officers, except agriculture, construction, health and safety, and transportation		2.899	254		
		743	Precision instrument and equipment repairers		10.145	888		
		772	Electrical, electronics, and electromechanical assemblers		4.348	380		
		775	Miscellaneous assemblers and fabricators		63.043	5,516		
		874	Inspectors, testers, sorters, samplers, and weighers		19.565	1,712		
694	Water and sewage treatment plant operators			61,269				
		860	Power plant operators, distributors, and dispatchers		3.030	1,857		
		862	Water and liquid waste treatment plant and system operators		91.667	56,163	3	
		863	Miscellaneous plant and system operators		5.303	3,249		
695	Power plant operators			37,012				
		860	Power plant operators, distributors, and dispatchers		100.000	37,012	1	
696	Stationary engineers			161,241				
		733	Industrial and refractory machinery mechanics		2.353	3,794		
		822	Metalworkers and plastic workers, all other		1.176	1,897		
		860	Power plant operators, distributors, and dispatchers		8.235	13,279		
		861	Stationary engineers and boiler operators		83.529	134,684		
		965	Pumping station operators		4.706	7,588		
699	Miscellaneous plant and system operators			53,622				
		863	Miscellaneous plant and system operators		97.403	52,229	2	
		874	Inspectors, testers, sorters, samplers, and weighers		1.299	696		
		965	Pumping station operators		1.299	696		
703	Lathe and turning machine set-up operators			29,460				

Table 2. 1990 Census Occupation Classification System and Its Redistribution into the Census 2000 Occupation Classification System

1990 Census Codes and Categories		Census 2000 Codes and Categories		1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score	
		801	Lathe and turning machine tool setters, operators, and tenders, metal and plastic		7.143	2,104		
		822	Metalworkers and plastic workers, all other		92.857	27,356	3	
704	Lathe and turning machine operators			36,530				
		801	Lathe and turning machine tool setters, operators, and tenders, metal and plastic		100.000	36,530	1	
705	Milling and planing machine operators			6,789				
		802	Milling and planing machine setters, operators, and tenders, metal and plastic		100.000	6,789	1	
706	Punching and stamping press machine operators			110,466				
		795	Cutting, punching, and press machine setters, operators, and tenders, metal and plastic		97.688	107,912	2	
		871	Cutting workers		2.312	2,554		
707	Rolling machine operators			13,743				
		794	Rolling machine setters, operators, and tenders, metal and plastic		94.366	12,969	3	
		801	Lathe and turning machine tool setters, operators, and tenders, metal and plastic		1.408	194		
		872	Extruding, forming, pressing, and compacting machine setters, operators, and tenders		4.225	581		
708	Drilling and boring machine operators			21,576				
		796	Drilling and boring machine tool setters, operators, and tenders, metal and plastic		100.000	21,576	1	
709	Grinding, abrading, buffing, and polishing machine operators			125,458				
		800	Grinding, lapping, polishing, and buffing machine tool setters, operators, and tenders, metal and plastic		75.936	95,268		
		854	Woodworking machine setters, operators, and tenders, except sawing		1.070	1,342		
		865	Crushing, grinding, polishing, mixing, and blending workers		21.390	26,836		
		876	Medical, dental, and ophthalmic laboratory technicians		1.604	2,013		
713	Forging machine operators			17,046				
		793	Forging machine setters, operators, and tenders, metal and plastic		95.082	16,208	2	
		896	Production workers, all other		4.918	838		
714	Numerical control machine operators			1,636				
		790	Computer control programmers and operators		100.000	1,636	1	
715	Miscellaneous metal, plastic, stone, and glass working machine operators			25,328				
		754	Locksmiths and safe repairers		7.895	2,000		
		795	Cutting, punching, and press machine setters, operators, and tenders, metal and plastic		17.763	4,499		
		801	Lathe and turning machine tool setters, operators, and tenders, metal and plastic		6.579	1,666		
		822	Metalworkers and plastic workers, all other		63.816	16,163		
		896	Production workers, all other		3.947	1,000		
717	Fabricating machine operators, n.e.c.			26,662				
		772	Electrical, electronics, and electromechanical assemblers		5.970	1,592		
		793	Forging machine setters, operators, and tenders, metal and plastic		2.239	597		
		794	Rolling machine setters, operators, and tenders, metal and plastic		5.224	1,393		
		795	Cutting, punching, and press machine setters, operators, and tenders, metal and plastic		7.463	1,990		
		822	Metalworkers and plastic workers, all other		76.119	20,295		
		823	Bookbinders and bindery workers		0.746	199		
		874	Inspectors, testers, sorters, samplers, and weighers		0.746	199		
		896	Production workers, all other		1.493	398		
719	Molding and casting machine operators			89,468				
		792	Extruding and drawing machine setters, operators, and tenders, metal and plastic		5.682	5,083		

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1990 Census Codes and Categories				1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score	
		Census 2000 Codes and Categories						
		810	Molders and molding machine setters, operators, and tenders, metal and plastic		81.250	72,693		
		872	Extruding, forming, pressing, and compacting machine setters, operators, and tenders		2.273	2,033		
		892	Molders, shapers, and casters, except metal and plastic		10.795	9,658		
723	Metal plating machine operators			35,397				
		820	Plating and coating machine setters, operators, and tenders, metal and plastic		100.000	35,397	1	
724	Heat treating equipment operators			18,543				
		804	Metal furnace and kiln operators and tenders		1.818	337		
		815	Heat treating equipment setters, operators, and tenders, metal and plastic		98.182	18,206	2	
725	Miscellaneous metal and plastic processing machine operators			18,959				
		795	Cutting, punching, and press machine setters, operators, and tenders, metal and plastic		39.568	7,502		
		822	Metalworkers and plastic workers, all other		0.719	136		
		865	Crushing, grinding, polishing, mixing, and blending workers		44.604	8,457		
		881	Painting workers		4.317	818		
		886	Cleaning, washing, and metal pickling equipment operators and tenders		10.791	2,046		
726	Wood lathe, routing, and planing machine operators			8,211				
		854	Woodworking machine setters, operators, and tenders, except sawing		100.000	8,211	1	
727	Sawing machine operators			94,905				
		795	Cutting, punching, and press machine setters, operators, and tenders, metal and plastic		4.255	4,039		
		853	Sawing machine setters, operators, and tenders, wood		87.943	83,463		
		896	Production workers, all other		7.801	7,404		
728	Shaping and joining machine operators			6,044				
		854	Woodworking machine setters, operators, and tenders, except sawing		98.958	5,981	2	
		885	Cementing and gluing machine operators and tenders		1.042	63		
729	Nailing and tacking machine operators			3,219				
		854	Woodworking machine setters, operators, and tenders, except sawing		100.000	3,219	1	
733	Miscellaneous woodworking machine operators			43,258				
		775	Miscellaneous assemblers and fabricators		2.521	1,091		
		854	Woodworking machine setters, operators, and tenders, except sawing		33.613	14,541		
		855	Woodworkers, all other		57.143	24,719		
		885	Cementing and gluing machine operators and tenders		6.723	2,908		
734	Printing press operators			359,781				
		824	Job printers		23.729	85,372		
		825	Prepress technicians and workers		4.661	16,769		
		826	Printing machine operators		71.610	257,640		
735	Photoengravers and lithographers			49,106				
		825	Prepress technicians and workers		100.000	49,106	1	
736	Typesetters and compositors			72,353				
		825	Prepress technicians and workers		100.000	72,353	1	
737	Miscellaneous printing machine operators			50,905				
		823	Bookbinders and bindery workers		58.382	29,719		
		825	Prepress technicians and workers		13.295	6,768		
		826	Printing machine operators		28.324	14,418		
738	Winding and twisting machine operators			70,620				

Table 2. 1990 Census Occupation Classification System and Its Redistribution into the Census 2000 Occupation Classification System

1990 Census Codes and Categories		Census 2000 Codes and Categories		1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score	
		842	Textile winding, twisting, and drawing out machine setters, operators, and tenders		87.417	61,734		
		843	Extruding and forming machine setters, operators, and tenders, synthetic and glass fibers		1.325	935		
		893	Paper goods machine setters, operators, and tenders		3.311	2,338		
		896	Production workers, all other		7.947	5,612		
739	Knitting, looping, taping, and weaving machine operators			60,223				
		841	Textile knitting and weaving machine setters, operators, and tenders		100.000	60,223	1	
743	Textile cutting machine operators			7,839				
		840	Textile cutting machine setters, operators, and tenders		75.000	5,879		
		871	Cutting workers		25.000	1,960		
744	Textile sewing machine operators			783,799				
		832	Sewing machine operators		100.000	783,799	1	
745	Shoe machine operators			34,244				
		834	Shoe machine operators and tenders		100.000	34,244	1	
747	Pressing machine operators			148,411				
		831	Pressers, textile, garment, and related materials		100.000	148,411	1	
748	Laundering and dry cleaning machine operators			219,097				
		830	Laundry and dry-cleaning workers		99.398	217,777	2	
		836	Textile bleaching and dyeing machine operators and tenders		0.602	1,320		
749	Miscellaneous textile machine operators			93,339				
		825	Prepress technicians and workers		0.820	765		
		826	Printing machine operators		1.639	1,530		
		836	Textile bleaching and dyeing machine operators and tenders		0.820	765		
		840	Textile cutting machine setters, operators, and tenders		1.639	1,530		
		841	Textile knitting and weaving machine setters, operators, and tenders		0.820	765		
		842	Textile winding, twisting, and drawing out machine setters, operators, and tenders		4.918	4,590		
		846	Textile, apparel, and furnishings workers, all other		77.869	72,682		
		854	Woodworking machine setters, operators, and tenders, except sawing		3.279	3,060		
		896	Production workers, all other		8.197	7,651		
753	Cementing and gluing machine operators			32,386				
		810	Molders and molding machine setters, operators, and tenders, metal and plastic		1.000	324		
		885	Cementing and gluing machine operators and tenders		99.000	32,062	2	
754	Packaging and filling machine operators			281,245				
		880	Packaging and filling machine operators and tenders		98.086	275,862	2	
		885	Cementing and gluing machine operators and tenders		1.914	5,383		
755	Extruding and forming machine operators			27,901				
		792	Extruding and drawing machine setters, operators, and tenders, metal and plastic		46.203	12,891		
		810	Molders and molding machine setters, operators, and tenders, metal and plastic		1.266	353		
		843	Extruding and forming machine setters, operators, and tenders, synthetic and glass fibers		3.797	1,060		
		872	Extruding, forming, pressing, and compacting machine setters, operators, and tenders		46.835	13,068		
		892	Molders, shapers, and casters, except metal and plastic		1.899	530		
756	Mixing and blending machine operators			111,141				
		781	Butchers and other meat, poultry, and fish processing workers		2.239	2,488		
		784	Food batchmakers		19.403	21,565		

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1990 Census Codes and Categories		Census 2000 Codes and Categories		1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score	
		836	Textile bleaching and dyeing machine operators and tenders		9.701	10,782		
		865	Crushing, grinding, polishing, mixing, and blending workers		67.164	74,647		
		872	Extruding, forming, pressing, and compacting machine setters, operators, and tenders		1.493	1,659		
757	Separating, filtering, and clarifying machine operators			69,630				
		863	Miscellaneous plant and system operators		0.833	580		
		864	Chemical processing machine setters, operators, and tenders		99.167	69,050	2	
758	Compressing and compacting machine operators			22,353				
		872	Extruding, forming, pressing, and compacting machine setters, operators, and tenders		97.938	21,892	2	
		873	Furnace, kiln, oven, drier, and kettle operators and tenders		1.031	230		
		893	Paper goods machine setters, operators, and tenders		1.031	230		
759	Painting and paint spraying machine operators			136,177				
		636	Glaziers		4.040	5,502		
		715	Automotive body and related repairers		7.576	10,316		
		865	Crushing, grinding, polishing, mixing, and blending workers		1.010	1,376		
		881	Painting workers		87.374	118,983		
763	Roasting and baking machine operators, food			4,748				
		783	Food and tobacco roasting, baking, and drying machine operators and tenders		99.010	4,701	2	
		785	Food cooking machine operators and tenders		0.990	47		
764	Washing, cleaning, and pickling machine operators			10,438				
		785	Food cooking machine operators and tenders		2.174	227		
		826	Printing machine operators		1.087	113		
		836	Textile bleaching and dyeing machine operators and tenders		4.348	454		
		886	Cleaning, washing, and metal pickling equipment operators and tenders		92.391	9,644	3	
765	Folding machine operators			20,429				
		795	Cutting, punching, and press machine setters, operators, and tenders, metal and plastic		1.563	319		
		831	Pressers, textile, garment, and related materials		3.906	798		
		893	Paper goods machine setters, operators, and tenders		85.938	17,556		
		896	Production workers, all other		8.594	1,756		
766	Furnace, kiln, and oven operators, exc. food			96,276				
		804	Metal furnace and kiln operators and tenders		51.351	49,439		
		810	Molders and molding machine setters, operators, and tenders, metal and plastic		1.802	1,735		
		846	Textile, apparel, and furnishings workers, all other		0.901	867		
		861	Stationary engineers and boiler operators		13.514	13,010		
		864	Chemical processing machine setters, operators, and tenders		1.802	1,735		
		873	Furnace, kiln, oven, drier, and kettle operators and tenders		29.730	28,623		
		874	Inspectors, testers, sorters, samplers, and weighers		0.901	867		
768	Crushing and grinding machine operators			45,207				
		800	Grinding, lapping, polishing, and buffing machine tool setters, operators, and tenders, metal and plastic		10.870	4,914		
		864	Chemical processing machine setters, operators, and tenders		1.087	491		
		865	Crushing, grinding, polishing, mixing, and blending workers		88.043	39,802		
769	Slicing and cutting machine operators			187,949				
		613	Logging workers		0.365	686		

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1990 Census Codes and Categories				1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score	
		Census 2000 Codes and Categories						
		781	Butchers and other meat, poultry, and fish processing workers		2.190	4,116		
		795	Cutting, punching, and press machine setters, operators, and tenders, metal and plastic		10.219	19,206		
		840	Textile cutting machine setters, operators, and tenders		20.073	37,727		
		845	Upholsterers		0.365	686		
		853	Sawing machine setters, operators, and tenders, wood		4.380	8,231		
		854	Woodworking machine setters, operators, and tenders, except sawing		2.920	5,488		
		855	Woodworkers, all other		4.745	8,917		
		864	Chemical processing machine setters, operators, and tenders		1.460	2,744		
		871	Cutting workers		51.460	96,718		
		874	Inspectors, testers, sorters, samplers, and weighers		1.460	2,744		
		963	Machine feeders and offbearers		0.365	686		
773	Motion picture projectionists			10,357				
		441	Motion picture projectionists		100.000	10,357	1	
774	Photographic process machine operators			101,939				
		290	Broadcast and sound engineering technicians and radio operators		0.629	641		
		291	Photographers		6.918	7,052		
		590	Office machine operators, except computer		5.031	5,129		
		825	Prepress technicians and workers		15.094	15,387		
		883	Photographic process workers and processing machine operators		70.440	71,806		
		896	Production workers, all other		1.887	1,923		
777	Miscellaneous machine operators, n.e.c.			611,270				
		772	Electrical, electronics, and electromechanical assemblers		0.876	5,354		
		780	Bakers		0.292	1,785		
		783	Food and tobacco roasting, baking, and drying machine operators and tenders		0.438	2,677		
		784	Food batchmakers		0.292	1,785		
		785	Food cooking machine operators and tenders		0.438	2,677		
		792	Extruding and drawing machine setters, operators, and tenders, metal and plastic		0.292	1,785		
		793	Forging machine setters, operators, and tenders, metal and plastic		0.292	1,785		
		795	Cutting, punching, and press machine setters, operators, and tenders, metal and plastic		0.584	3,569		
		812	Multiple machine tool setters, operators, and tenders, metal and plastic		0.146	892		
		820	Plating and coating machine setters, operators, and tenders, metal and plastic		0.292	1,785		
		822	Metalworkers and plastic workers, all other		27.153	165,980		
		826	Printing machine operators		0.730	4,462		
		834	Shoe machine operators and tenders		0.292	1,785		
		842	Textile winding, twisting, and drawing out machine setters, operators, and tenders		0.730	4,462		
		843	Extruding and forming machine setters, operators, and tenders, synthetic and glass fibers		0.146	892		
		863	Miscellaneous plant and system operators		0.730	4,462		
		864	Chemical processing machine setters, operators, and tenders		0.876	5,354		
		865	Crushing, grinding, polishing, mixing, and blending workers		1.022	6,247		
		871	Cutting workers		0.730	4,462		
		872	Extruding, forming, pressing, and compacting machine setters, operators, and tenders		1.460	8,924		
		873	Furnace, kiln, oven, drier, and kettle operators and tenders		0.584	3,569		
		876	Medical, dental, and ophthalmic laboratory technicians		0.146	892		

Table 2. 1990 Census Occupation Classification System and Its Redistribution into the Census 2000 Occupation Classification System

1990 Census Codes and Categories				1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score	
		Census 2000 Codes and Categories						
		880	Packaging and filling machine operators and tenders		1.022	6,247		
		881	Painting workers		0.292	1,785		
		884	Semiconductor processors		0.438	2,677		
		886	Cleaning, washing, and metal pickling equipment operators and tenders		0.438	2,677		
		890	Cooling and freezing equipment operators and tenders		0.730	4,462		
		891	Etchers and engravers		0.292	1,785		
		892	Molders, shapers, and casters, except metal and plastic		0.584	3,569		
		893	Paper goods machine setters, operators, and tenders		2.044	12,493		
		894	Tire builders		1.752	10,708		
		896	Production workers, all other		53.431	326,606		
		963	Machine feeders and offbearers		0.438	2,677		
779	Machine operators, not specified			956,865				
		676	Miscellaneous construction and related workers		0.508	4,857		
		762	Other installation, maintenance, and repair workers		1.015	9,714		
		774	Structural metal fabricators and fitters		1.523	14,572		
		780	Bakers		0.508	4,857		
		783	Food and tobacco roasting, baking, and drying machine operators and tenders		0.508	4,857		
		804	Metal furnace and kiln operators and tenders		0.508	4,857		
		822	Metalworkers and plastic workers, all other		14.213	136,001		
		825	Prepress technicians and workers		0.508	4,857		
		833	Shoe and leather workers and repairers		1.015	9,714		
		846	Textile, apparel, and furnishings workers, all other		1.015	9,714		
		872	Extruding, forming, pressing, and compacting machine setters, operators, and tenders		3.046	29,143		
		880	Packaging and filling machine operators and tenders		2.538	24,286		
		886	Cleaning, washing, and metal pickling equipment operators and tenders		1.523	14,572		
		893	Paper goods machine setters, operators, and tenders		1.015	9,714		
		895	Helpers--production workers		0.508	4,857		
		896	Production workers, all other		66.497	636,291		
		942	Other transportation workers		0.508	4,857		
		963	Machine feeders and offbearers		3.046	29,143		
783	Welders and cutters			643,978				
		814	Welding, soldering, and brazing workers		99.519	640,882	2	
		896	Production workers, all other		0.481	3,096		
784	Solderers and brazers			28,237				
		814	Welding, soldering, and brazing workers		100.000	28,237	1	
785	Assemblers			1,573,979				
		676	Miscellaneous construction and related workers		0.302	4,748		
		703	Avionics technicians		0.151	2,374		
		711	Electronic equipment installers and repairers, motor vehicles		0.151	2,374		
		715	Automotive body and related repairers		0.302	4,748		
		716	Automotive glass installers and repairers		0.151	2,374		
		762	Other installation, maintenance, and repair workers		0.754	11,870		
		771	Aircraft structure, surfaces, rigging, and systems assemblers		3.167	49,855		

Table 2. 1990 Census Occupation Classification System and Its Redistribution into the Census 2000 Occupation Classification System

1990 Census Codes and Categories		Census 2000 Codes and Categories		1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score	
		772	Electrical, electronics, and electromechanical assemblers		7.843	123,449		
		773	Engine and other machine assemblers		2.715	42,732		
		774	Structural metal fabricators and fitters		0.603	9,496		
		775	Miscellaneous assemblers and fabricators		70.739	1,113,418		
		822	Metalworkers and plastic workers, all other		1.056	16,618		
		833	Shoe and leather workers and repairers		0.151	2,374		
		845	Upholsterers		0.302	4,748		
		846	Textile, apparel, and furnishings workers, all other		0.302	4,748		
		874	Inspectors, testers, sorters, samplers, and weighers		1.207	18,992		
		875	Jewelers and precious stone and metal workers		0.151	2,374		
		880	Packaging and filling machine operators and tenders		1.056	16,618		
		893	Paper goods machine setters, operators, and tenders		0.905	14,244		
		896	Production workers, all other		7.994	125,823		
786	Hand cutting and trimming occupations			16,505				
		781	Butchers and other meat, poultry, and fish processing workers		51.111	8,436		
		871	Cutting workers		48.889	8,069		
787	Hand molding, casting, and forming occupations			26,409				
		810	Molders and molding machine setters, operators, and tenders, metal and plastic		28.713	7,583		
		892	Molders, shapers, and casters, except metal and plastic		71.287	18,826		
789	Hand painting, coating, and decorating occupations			45,058				
		784	Food batchmakers		1.667	751		
		871	Cutting workers		0.833	375		
		881	Painting workers		97.500	43,932	2	
793	Hand engraving and printing occupations			14,854				
		826	Printing machine operators		38.667	5,744		
		891	Etchers and engravers		61.333	9,110		
795	Miscellaneous hand working occupations			43,633				
		762	Other installation, maintenance, and repair workers		1.739	759		
		775	Miscellaneous assemblers and fabricators		10.435	4,553		
		785	Food cooking machine operators and tenders		6.957	3,035		
		831	Pressers, textile, garment, and related materials		6.957	3,035		
		835	Tailors, dressmakers, and sewers		3.478	1,518		
		846	Textile, apparel, and furnishings workers, all other		1.739	759		
		854	Woodworking machine setters, operators, and tenders, except sawing		8.696	3,794		
		865	Crushing, grinding, polishing, mixing, and blending workers		11.304	4,932		
		871	Cutting workers		4.348	1,897		
		894	Tire builders		4.348	1,897		
		896	Production workers, all other		40.000	17,453		
796	Production inspectors, checkers, and examiners			625,008				
		604	Graders and sorters, agricultural products		3.311	20,696		
		726	Miscellaneous vehicle and mobile equipment mechanics, installers, and repairers		0.331	2,070		
		874	Inspectors, testers, sorters, samplers, and weighers		94.702	591,895	3	
		941	Transportation inspectors		1.656	10,348		

Table 2. 1990 Census Occupation Classification System and Its Redistribution into the Census 2000 Occupation Classification System

1990 Census Codes and Categories			Census 2000 Codes and Categories	1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score	
797	Production testers			60,144				
		874	Inspectors, testers, sorters, samplers, and weighers		99.225	59,678	2	
		941	Transportation inspectors		0.775	466		
798	Production samplers and weighers			10,790				
		604	Graders and sorters, agricultural products		2.062	222		
		874	Inspectors, testers, sorters, samplers, and weighers		97.938	10,568	2	
799	Graders and sorters, exc. agricultural			138,183				
		604	Graders and sorters, agricultural products		13.450	18,586		
		874	Inspectors, testers, sorters, samplers, and weighers		57.895	80,001		
		875	Jewelers and precious stone and metal workers		0.585	808		
		964	Packers and packagers, hand		28.070	38,788		
803	Supervisors, motor vehicle operators			80,351				
		700	First-line supervisors/managers of mechanics, installers, and repairers		3.604	2,896		
		900	Supervisors, transportation and material moving workers		96.396	77,455	2	
804	Truck drivers			2,908,952				
		605	Miscellaneous agricultural workers		0.830	24,141		
		613	Logging workers		0.415	12,070		
		913	Driver/sales workers and truck drivers		95.021	2,764,108	2	
		914	Taxi drivers and chauffeurs		3.734	108,633		
806	Driver-sales workers			143,353				
		751	Coin, vending, and amusement machine servicers and repairers		36.913	52,916		
		913	Driver/sales workers and truck drivers		63.087	90,437		
808	Bus drivers			447,570				
		912	Bus drivers		96.552	432,137	2	
		914	Taxi drivers and chauffeurs		3.448	15,433		
809	Taxicab drivers and chauffeurs			207,333				
		911	Ambulance drivers and attendants, except emergency medical technicians		4.698	9,740		
		912	Bus drivers		2.685	5,566		
		914	Taxi drivers and chauffeurs		90.604	187,852	3	
		915	Motor vehicle operators, all other		2.013	4,174		
813	Parking lot attendants			46,559				
		935	Parking lot attendants		100.000	46,559	1	
814	Motor transportation occupations, n.e.c.			3,789				
		915	Motor vehicle operators, all other		100.000	3,789	1	
823	Railroad conductors and yardmasters			37,573				
		924	Railroad conductors and yardmasters		100.000	37,573	1	
824	Locomotive operating occupations			45,966				
		920	Locomotive engineers and operators		98.052	45,071	2	
		926	Subway, streetcar, and other rail transportation workers		1.948	895		
825	Railroad brake, signal, and switch operators			33,259				
		923	Railroad brake, signal, and switch operators		100.000	33,259	1	
826	Rail vehicle operators, n.e.c.			5,048				
		926	Subway, streetcar, and other rail transportation workers		100.000	5,048	1	

Table 2. 1990 Census Occupation Classification System and Its Redistribution into the Census 2000 Occupation Classification System

1990 Census Codes and Categories				1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score	
			Census 2000 Codes and Categories					
828	Ship captains and mates, except fishing boats			32,997				
		931	Ship and boat captains and operators		100.000	32,997	1	
829	Sailors and deckhands			25,945				
		930	Sailors and marine oilers		97.656	25,337	2	
		952	Dredge, excavating, and loading machine operators		2.344	608		
833	Marine engineers			4,152				
		930	Sailors and marine oilers		18.750	779		
		933	Ship engineers		81.250	3,374		
834	Bridge, lock, and lighthouse tenders			6,167				
		934	Bridge and lock tenders		100.000	6,167	1	
843	Supervisors, material moving equipment operators			23,803				
		900	Supervisors, transportation and material moving workers		100.000	23,803	1	
844	Operating engineers			241,812				
		632	Operating engineers and other construction equipment operators		96.129	232,452	2	
		952	Dredge, excavating, and loading machine operators		3.226	7,800		
		956	Hoist and winch operators		0.645	1,560		
845	Longshore equipment operators			4,403				
		951	Crane and tower operators		50.000	2,202		
		962	Laborers and freight, stock, and material movers, hand		12.500	550		
		975	Material moving workers, all other		37.500	1,651		
848	Hoist and winch operators			20,300				
		613	Logging workers		9.524	1,933		
		680	Derrick, rotary drill, and service unit operators, oil, gas, and mining		30.159	6,122		
		694	Other extraction workers		12.698	2,578		
		952	Dredge, excavating, and loading machine operators		0.794	161		
		956	Hoist and winch operators		46.825	9,506		
849	Crane and tower operators			81,825				
		951	Crane and tower operators		100.000	81,825	1	
853	Excavating and loading machine operators			95,983				
		632	Operating engineers and other construction equipment operators		24.793	23,797		
		684	Mining machine operators		0.826	793		
		694	Other extraction workers		0.826	793		
		952	Dredge, excavating, and loading machine operators		73.554	70,599		
855	Grader, dozer, and scraper operators			64,880				
		630	Paving, surfacing, and tamping equipment operators		18.182	11,796		
		632	Operating engineers and other construction equipment operators		81.818	53,084		
856	Industrial truck and tractor equipment operators			441,859				
		613	Logging workers		0.595	2,630		
		632	Operating engineers and other construction equipment operators		1.786	7,890		
		960	Industrial truck and tractor operators		97.619	431,339	2	
859	Miscellaneous material moving equipment operators			95,095				
		392	Security guards and gaming surveillance officers		0.943	897		
		672	Hazardous materials removal workers		2.830	2,691		

Table 2. 1990 Census Occupation Classification System and Its Redistribution into the Census 2000 Occupation Classification System

1990 Census Codes and Categories				1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score	
		Census 2000 Codes and Categories						
		684	Mining machine operators		1.887	1,794		
		694	Other extraction workers		3.774	3,588		
		756	Riggers		0.943	897		
		896	Production workers, all other		2.830	2,691		
		950	Conveyor operators and tenders		8.491	8,074		
		956	Hoist and winch operators		0.943	897		
		962	Laborers and freight, stock, and material movers, hand		18.868	17,942		
		965	Pumping station operators		16.038	15,251		
		973	Shuttle car operators		6.604	6,280		
		974	Tank car, truck, and ship loaders		1.887	1,794		
		975	Material moving workers, all other		33.962	32,296		
864	Supervisors, handlers, equipment cleaners, and laborers, n.e.c.			15,668				
		900	Supervisors, transportation and material moving workers		100.000	15,668	1	
865	Helpers, mechanics and repairers			21,871				
		660	Helpers, construction trades		1.205	264		
		761	Helpers--installation, maintenance, and repair workers		98.795	21,607	2	
866	Helpers, construction trades			85,604				
		626	Construction laborers		3.788	3,243		
		660	Helpers, construction trades		93.939	80,416	3	
		761	Helpers--installation, maintenance, and repair workers		1.515	1,297		
		975	Material moving workers, all other		0.758	649		
867	Helpers, surveyor			4,675				
		155	Engineering technicians, except drafters		0.962	45		
		156	Surveying and mapping technicians		88.462	4,136		
		660	Helpers, construction trades		10.577	494		
868	Helpers, extractive occupations			2,433				
		693	Helpers--extraction workers		100.000	2,433	1	
869	Construction laborers			1,149,780				
		394	Crossing guards		7.426	85,380		
		626	Construction laborers		81.188	933,485		
		660	Helpers, construction trades		4.950	56,920		
		673	Highway maintenance workers		5.446	62,612		
		693	Helpers--extraction workers		0.990	11,384		
874	Production helpers			37,983				
		761	Helpers--installation, maintenance, and repair workers		4.688	1,780		
		895	Helpers--production workers		86.719	32,938		
		896	Production workers, all other		6.250	2,374		
		962	Laborers and freight, stock, and material movers, hand		2.344	890		
875	Garbage collectors			59,909				
		972	Refuse and recyclable material collectors		100.000	59,909	1	
876	Stevedores			11,483				
		896	Production workers, all other		1.626	187		
		962	Laborers and freight, stock, and material movers, hand		98.374	11,296	2	

Table 2. 1990 Census Occupation Classification System and Its Redistribution into the Census 2000 Occupation Classification System

1990 Census Codes and Categories				1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score	
			Census 2000 Codes and Categories					
877	Stock handlers and baggers			1,030,362				
		562	Stock clerks and order fillers		55.682	573,724		
		896	Production workers, all other		3.409	35,126		
		962	Laborers and freight, stock, and material movers, hand		39.205	403,949		
		964	Packers and packagers, hand		1.705	17,563		
878	Machine feeders and offbearers			87,209				
		846	Textile, apparel, and furnishings workers, all other		3.125	2,725		
		865	Crushing, grinding, polishing, mixing, and blending workers		1.563	1,363		
		895	Helpers--production workers		3.125	2,725		
		896	Production workers, all other		7.031	6,132		
		962	Laborers and freight, stock, and material movers, hand		13.281	11,582		
		963	Machine feeders and offbearers		71.094	62,000		
		975	Material moving workers, all other		0.781	681		
883	Freight, stock, and material handlers, n.e.c.			572,957				
		554	Postal service clerks		8.264	47,352		
		613	Logging workers		0.826	4,735		
		694	Other extraction workers		0.413	2,368		
		896	Production workers, all other		5.372	30,779		
		942	Other transportation workers		2.066	11,838		
		962	Laborers and freight, stock, and material movers, hand		83.058	475,886		
885	Garage and service station related occupations			270,227				
		726	Miscellaneous vehicle and mobile equipment mechanics, installers, and repairers		24.031	64,938		
		761	Helpers--installation, maintenance, and repair workers		0.775	2,095		
		936	Service station attendants		75.194	203,194		
887	Vehicle washers and equipment cleaners			232,516				
		422	Janitors and building cleaners		9.697	22,547		
		961	Cleaners of vehicles and equipment		90.303	209,969	3	
888	Hand packers and packagers			368,341				
		496	Sales and related workers, all other		4.762	17,540		
		781	Butchers and other meat, poultry, and fish processing workers		7.937	29,233		
		896	Production workers, all other		4.762	17,540		
		962	Laborers and freight, stock, and material movers, hand		3.968	14,617		
		964	Packers and packagers, hand		78.571	289,411		
889	Laborers, except construction			1,291,166				
		422	Janitors and building cleaners		3.283	42,387		
		425	Grounds maintenance workers		1.010	13,042		
		535	Order clerks		1.515	19,563		
		562	Stock clerks and order fillers		6.818	88,034		
		604	Graders and sorters, agricultural products		0.253	3,261		
		605	Miscellaneous agricultural workers		2.525	32,605		
		610	Fishers and related fishing workers		0.253	3,261		
		612	Forest and conservation workers		0.505	6,521		
		674	Rail-track laying and maintenance equipment operators		0.758	9,782		

Table 2. 1990 Census Occupation Classification System and Its Redistribution into the Census 2000 Occupation Classification System

1990 Census Codes and Categories				1990 Civilian Labor Force	Pct. of 1990 Category (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score	
		Census 2000 Codes and Categories						
		675	Septic tank servicers and sewer pipe cleaners		1.515	19,563		
		692	Roustabouts, oil and gas		0.253	3,261		
		693	Helpers--extraction workers		0.253	3,261		
		694	Other extraction workers		0.505	6,521		
		734	Maintenance and repair workers, general		0.253	3,261		
		761	Helpers--installation, maintenance, and repair workers		0.505	6,521		
		781	Butchers and other meat, poultry, and fish processing workers		1.263	16,303		
		785	Food cooking machine operators and tenders		0.505	6,521		
		810	Molders and molding machine setters, operators, and tenders, metal and plastic		1.010	13,042		
		830	Laundry and dry-cleaning workers		0.505	6,521		
		846	Textile, apparel, and furnishings workers, all other		1.263	16,303		
		871	Cutting workers		0.505	6,521		
		886	Cleaning, washing, and metal pickling equipment operators and tenders		0.253	3,261		
		895	Helpers--production workers		3.788	48,908		
		896	Production workers, all other		22.222	286,926		
		926	Subway, streetcar, and other rail transportation workers		1.010	13,042		
		936	Service station attendants		0.253	3,261		
		961	Cleaners of vehicles and equipment		2.525	32,605		
		962	Laborers and freight, stock, and material movers, hand		40.657	524,944		
		963	Machine feeders and offbearers		0.505	6,521		
		964	Packers and packagers, hand		0.758	9,782		
		972	Refuse and recyclable material collectors		2.020	26,084		
		975	Material moving workers, all other		0.758	9,782		
	Unemployed, not classified by occupation			999,951				
			Unemployed, not classified by occupation		100.000	999,951	1	
(This last category for both censuses includes people who were unemployed at the time of the census, AND: whose last job was more than 5 years before the census, or whose last job was a military specific occupation, or who never worked.)								
The following Military Specific Occupation categories are not part of the Civilian Labor Force								
903	Commissioned officers and warrant officers							
		980	Military officer special and tactical operations leaders/managers		100.000		1	
904	Non-commissioned officers and other enlisted personnel							
		981	First-line enlisted military supervisors/managers		NA			
		982	Military enlisted tactical operations and air/weapons specialists and crew members		NA			
905	Military occupation, rank not specified							
		983	Military, rank not specified		100.000		1	

Table 7. 1990 Census STF-3 Occupation Groups and Their Redistribution into the Census 2000 SF-3 Occupation Groups

Table 7. 1990 Census STF-3 Occupation Groups and Their Redistribution into the Census 2000 SF-3 Occupation Groups						
Note: the conversion factors and numbers shown in this table are different from and replace the preliminary counterparts previously published. For an explanation of the changes, see the text of the accompanying Technical Report.						
1990 Census Code Ranges and Categories				**Number Employed**	**Percent of 1990 Group**	**1990 Redist to 2000**
		Census 2000 Code Ranges and Categories				
Total Employed				115,681,202		115,681,202
003-037	Executive, administrative, and managerial occupations			14,227,916		
		001-016, 022-043	Management occupations, except farmers and farm managers		55.801	7,939,298
		050-073	Business operations specialists		12.332	1,754,594
		080-095	Financial specialists		15.216	2,164,883
		100-124	Computer and mathematical occupations		0.537	76,403
		130-153	Architects, surveyors, cartographers, and engineers		0.054	7,616
		160-196	Life, physical, and social science occupations		0.018	2,612
		200-206	Community and social services occupations		0.365	51,931
		210-215	Legal occupations		0.164	23,384
		220-255	Education, training, and library occupations		0.321	45,696
		260-296	Arts, design, entertainment, sports, and media occupations		0.375	53,312
		300-326, 354	Health diagnosing and treating practitioners and technical occupations		0.167	23,732
		370-372, 374-386	Fire fighting, prevention, and law enforcement workers, including supervisors		0.223	31,752
		373, 390-395	Other protective service workers, including supervisors		0.208	29,539
		400-416	Food preparation and serving related occupations		1.996	284,001
		420-425	Building and grounds cleaning and maintenance occupations		0.268	38,080
		430-465	Personal care and service occupations		1.027	146,176
		470-496	Sales and related occupations		1.783	253,744
		500-593	Office and administrative support occupations		6.434	915,402
		600-613	Farming, fishing, and forestry occupations		0.278	39,600
		621-676	Construction trades workers		0.539	76,657
		700-762	Installation, maintenance, and repair occupations		0.696	99,008
		770-896	Production occupations		0.037	5,280
		900	Supervisors, transportation and material moving workers		0.964	137,088
		903-904	Aircraft and traffic control occupations		0.161	22,848
		920-942	Rail, water and other transportation occupations		0.037	5,280
043-199	Professional specialty occupations			16,305,666		
		001-016, 022-043	Management occupations, except farmers and farm managers		0.520	84,867
		020, 021	Farmers and farm managers		0.006	916
		050-073	Business operations specialists		0.210	34,219
		100-124	Computer and mathematical occupations		4.981	812,202

Table 7. 1990 Census STF-3 Occupation Groups and Their Redistribution into the Census 2000 SF-3 Occupation Groups

1990 Census Code Ranges and Categories		Census 2000 Code Ranges and Categories		Number Employed	Percent of 1990 Group	1990 Redist to 2000	
		130-153	Architects, surveyors, cartographers, and engineers		10.430	1,700,669	
		154-156	Drafters, engineering, and mapping technicians		0.001	240	
		160-196	Life, physical, and social science occupations		4.549	741,714	
		200-206	Community and social services occupations		8.170	1,332,213	
		210-215	Legal occupations		4.732	771,594	
		220-255	Education, training, and library occupations		32.850	5,356,459	
		260-296	Arts, design, entertainment, sports, and media occupations		12.125	1,977,007	
		300-326, 354	Health diagnosing and treating practitioners and technical occupations		20.144	3,284,675	
		330-353	Health technologists and technicians		0.180	29,322	
		360-365	Healthcare support occupations		0.268	43,720	
		430-465	Personal care and service occupations		0.719	117,208	
		470-496	Sales and related occupations		0.011	1,799	
		500-593	Office and administrative support occupations		0.007	1,199	
		600-613	Farming, fishing, and forestry occupations		0.009	1,526	
		700-762	Installation, maintenance, and repair occupations		0.024	3,884	
		770-896	Production occupations		0.054	8,845	
		920-942	Rail, water and other transportation occupations		0.009	1,388	
203-235	Technicians and related support occupations			4,257,235			
		100-124	Computer and mathematical occupations		15.829	673,870	
		130-153	Architects, surveyors, cartographers, and engineers		1.038	44,184	
		154-156	Drafters, engineering, and mapping technicians		23.234	989,109	
		160-196	Life, physical, and social science occupations		11.880	505,740	
		200-206	Community and social services occupations		0.042	1,768	
		210-215	Legal occupations		5.796	246,771	
		220-255	Education, training, and library occupations		0.477	20,325	
		260-296	Arts, design, entertainment, sports, and media occupations		3.992	169,949	
		300-326, 354	Health diagnosing and treating practitioners and technical occupations		0.774	32,960	
		330-353	Health technologists and technicians		28.726	1,222,923	
		360-365	Healthcare support occupations		3.429	145,964	
		500-593	Office and administrative support occupations		0.178	7,580	
		700-762	Installation, maintenance, and repair occupations		0.192	8,185	
		770-896	Production occupations		0.842	35,866	
		903-904	Aircraft and traffic control occupations		3.571	152,041	
243-285	Sales occupations			13,634,686			
		001-016, 022-043	Management occupations, except farmers and farm managers		1.235	168,368	
		050-073	Business operations specialists		1.220	166,360	
		080-095	Financial specialists		1.387	189,176	

Table 7. 1990 Census STF-3 Occupation Groups and Their Redistribution into the Census 2000 SF-3 Occupation Groups

1990 Census Code Ranges and Categories				Number Employed	Percent of 1990 Group	1990 Redist to 2000	
		Census 2000 Code Ranges and Categories					
		220-255	Education, training, and library occupations		0.064	8,668	
		260-296	Arts, design, entertainment, sports, and media occupations		0.009	1,295	
		330-353	Health technologists and technicians		0.031	4,202	
		360-365	Healthcare support occupations		0.629	85,725	
		400-416	Food preparation and serving related occupations		0.534	72,877	
		470-496	Sales and related occupations		91.311	12,449,981	
		500-593	Office and administrative support occupations		1.830	249,486	
		770-896	Production occupations		0.961	131,068	
		900	Supervisors, transportation and material moving workers		0.505	68,878	
		911-915	Motor vehicle operators		0.283	38,602	
303-389	Administrative support occupations, including clerical			18,826,477			
		050-073	Business operations specialists		1.482	279,057	
		080-095	Financial specialists		0.053	10,012	
		100-124	Computer and mathematical occupations		0.007	1,294	
		200-206	Community and social services occupations		0.003	602	
		210-215	Legal occupations		0.287	54,076	
		220-255	Education, training, and library occupations		1.670	314,355	
		260-296	Arts, design, entertainment, sports, and media occupations		0.016	3,063	
		330-353	Health technologists and technicians		0.422	79,471	
		360-365	Healthcare support occupations		0.200	37,680	
		373, 390-395	Other protective service workers, including supervisors		0.015	2,770	
		400-416	Food preparation and serving related occupations		0.034	6,445	
		470-496	Sales and related occupations		0.771	145,094	
		500-593	Office and administrative support occupations		94.649	17,819,140	
		770-896	Production occupations		0.220	41,512	
		920-942	Rail, water and other transportation occupations		0.007	1,278	
		950-975	Material moving workers		0.163	30,628	
403-407	Private household occupations			521,154			
		400-416	Food preparation and serving related occupations		2.962	15,436	
		420-425	Building and grounds cleaning and maintenance occupations		59.336	309,230	
		430-465	Personal care and service occupations		37.182	193,778	
		500-593	Office and administrative support occupations		0.208	1,083	
		770-896	Production occupations		0.312	1,627	
413-427	Protective service occupations			1,992,852			
		080-095	Financial specialists		0.136	2,701	
		370-372, 374-386	Fire fighting, prevention, and law enforcement workers, including supervisors		58.301	1,161,860	
		373, 390-395	Other protective service workers, including supervisors		40.919	815,447	

Table 7. 1990 Census STF-3 Occupation Groups and Their Redistribution into the Census 2000 SF-3 Occupation Groups

1990 Census Code Ranges and Categories		Census 2000 Code Ranges and Categories		Number Employed	Percent of 1990 Group	1990 Redist to 2000	
		430-465	Personal care and service occupations		0.645	12,844	
433-469	Service occupations, except protective and household			12,781,911			
		001-016, 022-043	Management occupations, except farmers and farm managers		0.009	1,118	
		200-206	Community and social services occupations		0.310	39,586	
		220-255	Education, training, and library occupations		0.698	89,230	
		260-296	Arts, design, entertainment, sports, and media occupations		0.017	2,236	
		300-326, 354	Health diagnosing and treating practitioners and technical occupations		0.321	41,051	
		330-353	Health technologists and technicians		1.548	197,814	
		360-365	Healthcare support occupations		12.917	1,650,986	
		373, 390-395	Other protective service workers, including supervisors		0.018	2,311	
		400-416	Food preparation and serving related occupations		40.627	5,192,866	
		420-425	Building and grounds cleaning and maintenance occupations		23.193	2,964,502	
		430-465	Personal care and service occupations		18.363	2,347,103	
		470-496	Sales and related occupations		0.044	5,569	
		500-593	Office and administrative support occupations		0.023	2,940	
		700-762	Installation, maintenance, and repair occupations		0.102	12,998	
		770-896	Production occupations		0.423	54,076	
		911-915	Motor vehicle operators		0.013	1,693	
		950-975	Material moving workers		1.376	175,835	
473-499	Farming, forestry, and fishing occupations			2,839,010			
		020, 021	Farmers and farm managers		27.031	767,404	
		160-196	Life, physical, and social science occupations		0.173	4,909	
		260-296	Arts, design, entertainment, sports, and media occupations		0.027	762	
		360-365	Healthcare support occupations		0.812	23,063	
		420-425	Building and grounds cleaning and maintenance occupations		23.847	677,026	
		430-465	Personal care and service occupations		3.819	108,423	
		600-613	Farming, fishing, and forestry occupations		43.959	1,247,988	
		770-896	Production occupations		0.076	2,149	
		920-942	Rail, water and other transportation occupations		0.074	2,105	
		950-975	Material moving workers		0.183	5,182	
503-699	Precision production, craft, and repair occupations			13,097,963			
		050-073	Business operations specialists		0.007	972	
		260-296	Arts, design, entertainment, sports, and media occupations		0.082	10,724	
		330-353	Health technologists and technicians		0.389	50,941	
		420-425	Building and grounds cleaning and maintenance occupations		0.008	1,104	

Table 7. 1990 Census STF-3 Occupation Groups and Their Redistribution into the Census 2000 SF-3 Occupation Groups

1990 Census Code Ranges and Categories				Number	Percent of	1990 Redist	
		Census 2000 Code Ranges and Categories		Employed	1990 Group	to 2000	
		500-593	Office and administrative support occupations		1.465	191,944	
		620	Supervisors, construction and extraction workers		6.006	786,687	
		621-676	Construction trades workers		30.609	4,009,118	
		680-694	Extraction workers		1.091	142,841	
		700-762	Installation, maintenance, and repair occupations		32.185	4,215,570	
		770-896	Production occupations		26.747	3,503,262	
		900	Supervisors, transportation and material moving workers		1.078	141,133	
		920-942	Rail, water and other transportation occupations		0.199	26,097	
		950-975	Material moving workers		0.134	17,571	
703-799	Machine operators, assemblers, and inspectors			7,904,197			
		260-296	Arts, design, entertainment, sports, and media occupations		0.091	7,188	
		430-465	Personal care and service occupations		0.123	9,689	
		500-593	Office and administrative support occupations		0.061	4,792	
		600-613	Farming, fishing, and forestry occupations		0.453	35,845	
		621-676	Construction trades workers		0.175	13,793	
		700-762	Installation, maintenance, and repair occupations		0.559	44,192	
		770-896	Production occupations		97.558	7,711,193	
		920-942	Rail, water and other transportation occupations		0.185	14,594	
		950-975	Material moving workers		0.796	62,911	
803-859	Transportation and material moving occupations			4,729,001			
		373, 390-395	Other protective service workers, including supervisors		0.017	823	
		600-613	Farming, fishing, and forestry occupations		0.797	37,669	
		621-676	Construction trades workers		6.168	291,687	
		680-694	Extraction workers		0.300	14,192	
		700-762	Installation, maintenance, and repair occupations		1.149	54,332	
		770-896	Production occupations		0.052	2,468	
		900	Supervisors, transportation and material moving workers		2.070	97,899	
		911-915	Motor vehicle operators		71.391	3,376,064	
		920-942	Rail, water and other transportation occupations		4.697	222,121	
		950-975	Material moving workers		13.359	631,746	
864-889	Handlers, equipment cleaners, helpers, and laborers			4,563,134			
		154-156	Drafters, engineering, and mapping technicians		0.078	3,565	
		373, 390-395	Other protective service workers, including supervisors		1.544	70,436	
		420-425	Building and grounds cleaning and maintenance occupations		1.496	68,279	
		470-496	Sales and related occupations		0.332	15,148	
		500-593	Office and administrative support occupations		14.262	650,788	
		600-613	Farming, fishing, and forestry occupations		0.972	44,373	
		621-676	Construction trades workers		21.056	960,833	
		680-694	Extraction workers		0.551	25,164	

Table 7. 1990 Census STF-3 Occupation Groups and
Their Redistribution into the Census 2000 SF-3 Occupation Groups

1990 Census Code Ranges and Categories				Number Employed	Percent of 1990 Group	1990 Redist to 2000	
		Census 2000 Code Ranges and Categories					
		700-762	Installation, maintenance, and repair occupations		1.972	90,004	
		770-896	Production occupations		10.903	497,539	
		900	Supervisors, transportation and material moving workers		0.326	14,870	
		920-942	Rail, water and other transportation occupations		4.534	206,873	
		950-975	Material moving workers		41.973	1,915,261	

Table 6. 1990 Census STF-3 Industry Groups and Their Redistribution into the Census 2000 SF-3 Industry Groups

Table 6. 1990 Census STF-3 Industry Groups and Their Redistribution into the Census 2000 SF-3 Industry Groups						
Note: the adjustment factors and numbers shown in this table are different from and replace the preliminary counterparts previously published. For an explanation of the changes, see the text of the accompanying Technical Report.						
1990 Census Code Ranges and Categories				**Number**	**Percent of**	**1990 Redist**
		Census 2000 Code Ranges and Categories		**Employed**	**1990 Group**	**to 2000**
Total Employed				115,681,202		115,681,202
010-032	Agriculture, forestry, & fisheries			3,115,372		
		017-029	Agriculture, forestry, fishing & hunting		74.059	2,307,215
		107-399	Manufacturing		0.079	2,451
		727-749	Professional, scientific, & technical services		5.784	180,203
		758-779	Administrative, support & waste management services		19.043	593,270
		877-929	Other services (except public administration)		0.917	28,556
		937-959	Public administration		0.118	3,677
040-050	Mining			723,423		
		037-049	Mining		99.262	718,087
		727-749	Professional, scientific, & technical services		0.369	2,668
		757	Management of companies & enterprises		0.369	2,668
060	Construction			7,214,763		
		077	Construction		95.975	6,924,386
		107-399	Manufacturing		0.310	22,337
		727-749	Professional, scientific, & technical services		1.548	111,684
		758-779	Administrative, support & waste management services		2.167	156,357
100-222	Manufacturing, nondurable goods			8,053,234		
		017-029	Agriculture, forestry, fishing & hunting		0.057	4,598
		037-049	Mining		0.028	2,243
		107-399	Manufacturing		88.005	7,087,216
		647-679	Information		11.910	959,176
230-392	Manufacturing, durable goods			12,408,844		
		017-029	Agriculture, forestry, fishing & hunting		1.105	137,082
		107-399	Manufacturing		98.719	12,249,915
		856-859	Arts, entertainment, & recreation		0.012	1,524
		727-749	Professional, scientific, & technical services		0.083	10,265
		877-929	Other services (except public administration)		0.081	10,058
400-432	Transportation			5,108,003		
		107-399	Manufacturing		0.226	11,557
		607-639	Transportation & warehousing		90.735	4,634,727
		707-719	Real estate, & rental & leasing		0.474	24,194
		856-859	Arts, entertainment, & recreation		0.262	13,381
		797-847	Health care & social assistance		1.002	51,200
		758-779	Administrative, support & waste management services		7.227	369,151

Table 6. 1990 Census STF-3 Industry Groups and
Their Redistribution into the Census 2000 SF-3 Industry Groups

1990 Census Code Ranges and Categories		Census 2000 Code Ranges and Categories		Number Employed	Percent of 1990 Group	1990 Redist to 2000	
		937-959	Public administration		0.074	3,793	
440-472	Communications & other public utilities			3,097,059			
		077	Construction		1.205	37,309	
		607-639	Transportation & warehousing		1.532	47,458	
		057-069	Utilities		41.603	1,288,454	
		647-679	Information		50.313	1,558,209	
		687-699	Finance & insurance		0.265	8,207	
		758-779	Administrative, support & waste management services		4.530	140,294	
		937-959	Public administration		0.553	17,126	
500-571	Wholesale trade			5,071,026			
		017-029	Agriculture, forestry, fishing & hunting		0.042	2,136	
		077	Construction		0.730	37,025	
		107-399	Manufacturing		0.233	11,805	
		407-459	Wholesale trade		98.444	4,992,139	
		467-579	Retail trade		0.463	23,492	
		727-749	Professional, scientific, & technical services		0.087	4,430	
580-691	Retail trade			19,485,666			
		077	Construction		0.066	12,922	
		107-399	Manufacturing		1.521	296,418	
		607-639	Transportation & warehousing		0.140	27,324	
		407-459	Wholesale trade		0.096	18,763	
		467-579	Retail trade		69.871	13,614,807	
		687-699	Finance & insurance		0.100	19,518	
		856-859	Arts, entertainment, & recreation		0.155	30,188	
		866-869	Accomodation & food services		28.050	5,465,726	
700-712	Finance, insurance & real estate			7,984,870			
		077	Construction		0.877	70,003	
		687-699	Finance & insurance		73.646	5,880,556	
		707-719	Real estate, & rental & leasing		22.094	1,764,153	
		866-869	Accomodation & food services		0.250	20,001	
		797-847	Health care & social assistance		0.376	30,001	
		727-749	Professional, scientific, & technical services		1.135	90,620	
		757	Management of companies & enterprises		0.051	4,081	
		877-929	Other services (except public administration)		1.178	94,085	
		937-959	Public administration		0.393	31,371	
721-760	Business & repair services			5,577,462			
		017-029	Agriculture, forestry, fishing & hunting		0.104	5,818	
		037-049	Mining		0.056	3,148	

Table 6. 1990 Census STF-3 Industry Groups and
Their Redistribution into the Census 2000 SF-3 Industry Groups

1990 Census Code Ranges and Categories				Number	Percent of	1990 Redist	
		Census 2000 Code Ranges and Categories		Employed	1990 Group	to 2000	
		077	Construction		0.778	43,393	
		107-399	Manufacturing		0.852	47,507	
		607-639	Transportation & warehousing		1.755	97,904	
		647-679	Information		5.774	322,028	
		467-579	Retail trade		0.616	34,332	
		687-699	Finance & insurance		0.452	25,183	
		707-719	Real estate, & rental & leasing		4.131	230,406	
		856-859	Arts, entertainment, & recreation		0.536	29,907	
		797-847	Health care & social assistance		0.357	19,928	
		727-749	Professional, scientific, & technical services		20.625	1,150,379	
		758-779	Administrative, support & waste management services		36.796	2,052,286	
		877-929	Other services (except public administration)		27.167	1,515,242	
761-791	Personal services			3,668,696			
		107-399	Manufacturing		0.279	10,228	
		707-719	Real estate, & rental & leasing		1.328	48,734	
		856-859	Arts, entertainment, & recreation		1.265	46,391	
		866-869	Accomodation & food services		34.025	1,248,289	
		797-847	Health care & social assistance		0.507	18,595	
		786-789	Educational services		0.849	31,143	
		727-749	Professional, scientific, & technical services		5.501	201,802	
		758-779	Administrative, support & waste management services		2.133	78,235	
		877-929	Other services (except public administration)		54.114	1,985,278	
800-810	Entertainment & recreation services			1,636,460			
		107-399	Manufacturing		0.151	2,475	
		647-679	Information		18.303	299,524	
		707-719	Real estate, & rental & leasing		7.440	121,756	
		856-859	Arts, entertainment, & recreation		68.013	1,113,007	
		866-869	Accomodation & food services		2.285	37,386	
		786-789	Educational services		2.285	37,386	
		758-779	Administrative, support & waste management services		0.254	4,154	
		877-929	Other services (except public administration)		1.015	16,616	
		937-959	Public administration		0.254	4,154	
812-840	Health services			9,682,684			
		107-399	Manufacturing		0.737	71,315	
		797-847	Health care & social assistance		98.822	9,568,581	
		937-959	Public administration		0.442	42,789	
842-860	Educational services			9,633,503			
		607-639	Transportation & warehousing		0.313	30,158	

Table 6. 1990 Census STF-3 Industry Groups and Their Redistribution into the Census 2000 SF-3 Industry Groups

1990 Census Code Ranges and Categories				Number	Percent of	1990 Redist	
		Census 2000 Code Ranges and Categories		Employed	1990 Group	to 2000	
		647-679	Information		2.216	213,486	
		866-869	Accomodation & food services		0.626	60,317	
		797-847	Health care & social assistance		0.113	10,896	
		786-789	Educational services		96.709	9,316,467	
		877-929	Other services (except public administration)		0.023	2,179	
841,861-893	Other professional & related services			7,682,060			
		856-859	Arts, entertainment, & recreation		4.227	324,718	
		797-847	Health care & social assistance		25.954	1,993,776	
		786-789	Educational services		0.144	11,030	
		727-749	Professional, scientific, & technical services		49.509	3,803,321	
		757	Management of companies & enterprises		0.052	3,975	
		758-779	Administrative, support & waste management services		0.382	29,344	
		877-929	Other services (except public administration)		18.387	1,412,510	
		937-959	Public administration		1.346	103,387	
900-932	Public administration			5,538,077			
		607-639	Transportation & warehousing		0.240	13,311	
		797-847	Health care & social assistance		0.807	44,687	
		758-779	Administrative, support & waste management services		0.179	9,930	
		877-929	Other services (except public administration)		0.309	17,091	
		937-959	Public administration		98.465	5,453,057	

Table 5. 1990 STF-4 Occupation Groups and
Their Redistribution into the Census 2000 SF-4 Occupation Groups

Table 5. 1990 STF-4 Occupation Groups and Their Redistribution into the Census 2000 SF-4 Occupation Groups					
1990 Categories and Codes			**Number**	**Percent of**	**1990 Redist**
	Census 2000 Categories and Codes		**Employed**	**1990 Group**	**to 2000**
Total Employed			**115,681,202**		**115,681,202**
Officials and administrators, public administration (001-006)			578,334		
	001-003	Top executives		8.694	50,282
	012	Financial managers		4.516	26,115
	010-011, 013-016	Operations specialties managers, except financial managers		6.322	36,562
	022-043	Other management occupations, except farmers and farm managers		45.260	261,751
	050-073	Business operations specialists		6.281	36,325
	081-095	Other financial specialists		7.677	44,396
	120-124	Mathematical science occupations		4.967	28,727
	160-176	Life and physical scientists		0.452	2,612
	200-202	Counselors, social workers, and other community and social service specialists		1.806	10,446
	211	Judges, magistrates, and other judicial workers		2.336	13,511
	214-215	Legal support workers		0.452	2,612
	300-305, 311, 312, 325, 326, 354	Other health diagnosing and treating practitioners and technical occupations		0.452	2,612
	372, 374-375	Fire fighting and prevention workers, including supervisors		1.411	8,160
	370, 371, 380-386	Law enforcement workers, including supervisors		3.509	20,292
	373, 390-395	Other protective service workers, including supervisors		2.254	13,038
	520-523, 525-542	Information and record clerks, except customer service representatives		3.612	20,892
Financial managers (007)			621,472		
	012	Financial managers		100.000	621,472
Managers, marketing, advertising, and public relations (013)			591,778		
	004-006	Advertising, marketing, promotions, public relations, and sales managers		95.794	566,890
	470-471, 490-496	Other sales and related occupations, including supervisors		4.206	24,888
Administrators, education and related fields (014)			613,450		
	001-003	Top executives		1.031	6,324
	022-043	Other management occupations, except farmers and farm managers		96.392	591,315
	050-073	Business operations specialists		1.031	6,324
	081-095	Other financial specialists		1.546	9,486
Other specified managers and administrators (008-012,015-021)			2,472,958		
	001-003	Top executives		2.173	53,737
	004-006	Advertising, marketing, promotions, public relations, and sales managers		0.282	6,980
	010-011, 013-016	Operations specialties managers, except financial managers		15.761	389,759
	022-043	Other management occupations, except farmers and farm managers		64.465	1,594,196
	050-073	Business operations specialists		1.397	34,549
	200-202	Counselors, social workers, and other community and social service specialists		1.035	25,592
	211	Judges, magistrates, and other judicial workers		0.180	4,460
	400-401, 413-416	Other food preparation and serving workers, including supervisors		11.484	284,001
	430-446, 461-465	Supervisors and other personal care and service workers, except child care workers		1.599	39,552
	470-471, 490-496	Other sales and related occupations, including supervisors		1.230	30,422
	570	Secretaries and administrative assistants		0.393	9,710
Managers and administrators n.e.c. (022): Salaried (022 and not SE)			4,841,656		
	001-003	Top executives		17.105	828,178
	004-006	Advertising, marketing, promotions, public relations, and sales managers		1.608	77,863
	012	Financial managers		1.170	56,628
	010-011, 013-016	Operations specialties managers, except financial managers		8.772	424,707
	022-043	Other management occupations, except farmers and farm managers		39.035	1,889,945
	050-073	Business operations specialists		3.216	155,726
	100-111	Computer specialists		0.877	42,471
	130-131	Architects, surveyors, and cartographers		0.146	7,078
	200-202	Counselors, social workers, and other community and social service specialists		0.292	14,157
	240-244	Librarians, curators, and archivists		0.877	42,471
	260-263	Art and design workers		0.146	7,078

Table 5. 1990 STF-4 Occupation Groups and
Their Redistribution into the Census 2000 SF-4 Occupation Groups

1990 Categories and Codes			Number	Percent of	1990 Redist
	Census 2000 Categories and Codes		Employed	1990 Group	to 2000
	270-276	Entertainers and performers, sports, and related workers		0.877	42,471
	420-425	Building and grounds cleaning and maintenance occupations		0.731	35,392
	430-446, 461-465	Supervisors and other personal care and service workers, except child care workers		2.047	99,098
	470-471, 490-496	Other sales and related occupations, including supervisors		3.363	162,804
	570	Secretaries and administrative assistants		3.947	191,118
	500, 580-593	Other office and administrative support workers, including supervisors		10.819	523,805
	700-713, 730-762	Electrical equipment mechanics and other installation, maintenance, and repair workers, including supervisors		1.901	92,020
	900	Supervisors, transportation, and material moving workers		2.632	127,412
	903-904	Aircraft and traffic control occupations		0.439	21,235
Managers and administrators n.e.c. (022): Self-employed (022 and SE)			367,693		
	001-003	Top executives		17.105	62,895
	004-006	Advertising, marketing, promotions, public relations, and sales managers		1.608	5,913
	012	Financial managers		1.170	4,301
	010-011, 013-016	Operations specialties managers, except financial managers		8.772	32,254
	022-043	Other management occupations, except farmers and farm managers		39.035	143,529
	050-073	Business operations specialists		3.216	11,826
	100-111	Computer specialists		0.877	3,225
	130-131	Architects, surveyors, and cartographers		0.146	538
	200-202	Counselors, social workers, and other community and social service specialists		0.292	1,075
	240-244	Librarians, curators, and archivists		0.877	3,225
	260-263	Art and design workers		0.146	538
	270-276	Entertainers and performers, sports, and related workers		0.877	3,225
	420-425	Building and grounds cleaning and maintenance occupations		0.731	2,688
	430-446, 461-465	Supervisors and other personal care and service workers, except child care workers		2.047	7,526
	470-471, 490-496	Other sales and related occupations, including supervisors		3.363	12,364
	570	Secretaries and administrative assistants		3.947	14,514
	500, 580-593	Other office and administrative support workers, including supervisors		10.819	39,780
	700-713, 730-762	Electrical equipment mechanics and other installation, maintenance, and repair workers, including supervisors		1.901	6,988
	900	Supervisors, transportation, and material moving workers		2.632	9,676
	903-904	Aircraft and traffic control occupations		0.439	1,613
Accountants and auditors (023)			1,554,216		
	012	Financial managers		3.488	54,217
	080	Accountants and auditors		93.605	1,454,818
	081-095	Other financial specialists		2.907	45,181
Other management related (024-042)			2,586,359		
	012	Financial managers		4.410	114,046
	010-011, 013-016	Operations specialties managers, except financial managers		1.445	37,365
	022-043	Other management occupations, except farmers and farm managers		0.080	2,075
	050-073	Business operations specialists		58.377	1,509,843
	081-095	Other financial specialists		23.624	611,002
	100-111	Computer specialists		0.077	1,980
	200-202	Counselors, social workers, and other community and social service specialists		0.026	660
	211	Judges, magistrates, and other judicial workers		0.108	2,801
	300-305, 311, 312, 325, 326, 354	Other health diagnosing and treating practitioners and technical occupations		0.817	21,120
	370, 371, 380-386	Law enforcement workers, including supervisors		0.128	3,300
	373, 390-395	Other protective service workers, including supervisors		0.638	16,500
	480-485	Sales representatives, services, wholesale and manufacturing		0.900	23,266
	570	Secretaries and administrative assistants		3.575	92,467
	500, 580-593	Other office and administrative support workers, including supervisors		0.894	23,117
	600-605	Agricultural workers, including supervisors		1.531	39,600
	660-676	Other construction workers and helpers		2.964	76,657
	770, 864-896	Other production occupations, including supervisors		0.204	5,280

Table 5. 1990 STF-4 Occupation Groups and
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1990 Categories and Codes			Number	Percent of	1990 Redist
	Census 2000 Categories and Codes		Employed	1990 Group	to 2000
	912	Bus drivers		0.204	5,280
Engineers (044-062)			1,672,559		
	022-043	Other management occupations, except farmers and farm managers		1.674	28,006
	050-073	Business operations specialists		0.010	175
	100-111	Computer specialists		5.879	98,335
	132-153	Engineers		91.093	1,523,582
	190-196	Life, physical, and social science technicians		0.057	952
	280-296	Media and communications workers		1.080	18,062
	306	Physicians and surgeons		0.011	178
	300-305, 311, 312, 325, 326, 354	Other health diagnosing and treating practitioners and technical occupations		0.112	1,881
	920-933	Rail and water transportation workers		0.083	1,388
Architects and surveyors (043,063)			164,131		
	130-131	Architects, surveyors, and cartographers		99.853	163,891
	154-156	Drafters, engineering, and mapping technicians		0.147	240
Mathematical and computer scientists (064-068)			764,226		
	010-011, 013-016	Operations specialties managers, except financial managers		0.720	5,505
	050-073	Business operations specialists		4.219	32,244
	100-111	Computer specialists		70.757	540,747
	120-124	Mathematical science occupations		22.653	173,119
	132-153	Engineers		1.650	12,611
Natural scientists (069-083)			400,060		
	020-021	Farmers and farm managers		0.229	916
	130-131	Architects, surveyors, and cartographers		0.071	284
	132-153	Engineers		0.075	301
	160-176	Life and physical scientists		98.583	394,393
	180-186	Social scientists and related workers		0.171	683
	190-196	Life, physical, and social science technicians		0.489	1,957
	600-605	Agricultural workers, including supervisors		0.381	1,526
Physicians (084)			583,626		
	306	Physicians and surgeons		97.345	568,132
	330-353	Health technologists and technicians		2.655	15,494
Other health diagnosing (085-094)			285,917		
	300-305, 311, 312, 325, 326, 354	Other health diagnosing and treating practitioners and technical occupations		100.000	285,917
Registered nurses (095)			1,862,664		
	313	Registered nurses		97.959	1,824,650
	360	Nursing, psychiatric, and home health aides		2.041	38,014
Other health assessment and treating (096-112)			619,889		
	022-043	Other management occupations, except farmers and farm managers		0.329	2,040
	200-202	Counselors, social workers, and other community and social service specialists		0.886	5,492
	314-324	Therapists		51.723	320,628
	300-305, 311, 312, 325, 326, 354	Other health diagnosing and treating practitioners and technical occupations		44.055	273,094
	330-353	Health technologists and technicians		2.086	12,928
	363-365	Other healthcare support occupations		0.920	5,706
Teachers, postsecondary (113-154)			772,291		
	220	Postsecondary teachers		94.246	727,855
	234, 254-255	Other teachers, instructors, education, training, and library occupations		5.718	44,162
	270-276	Entertainers and performers, sports, and related workers		0.035	274
Teachers, elementary and secondary (155-157)			3,861,446		
	230-231	Teachers, preschool, kindergarten, elementary, and middle school		85.837	3,314,536
	232	Teachers, secondary school		12.134	468,541
	233	Teachers, special education		0.521	20,103
	234, 254-255	Other teachers, instructors, education, training, and library occupations		0.933	36,042

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1990 Categories and Codes			Number	Percent of	1990 Redist
	Census 2000 Categories and Codes		Employed	1990 Group	to 2000
	270-276	Entertainers and performers, sports, and related workers		0.576	22,224
Other teachers, except postsecondary (158-162)			621,796		
	200-202	Counselors, social workers, and other community and social service specialists		1.484	9,225
	220	Postsecondary teachers		26.375	163,998
	230-231	Teachers, preschool, kindergarten, elementary, and middle school		1.648	10,250
	232	Teachers, secondary school		3.132	19,475
	233	Teachers, special education		8.129	50,547
	234, 254-255	Other teachers, instructors, education, training, and library occupations		43.242	268,877
	270-276	Entertainers and performers, sports, and related workers		6.594	41,000
	430-446, 461-465	Supervisors and other personal care and service workers, except child care workers		9.396	58,424
Librarians and counselors (163-165)			458,058		
	200-202	Counselors, social workers, and other community and social service specialists		51.058	233,874
	240-244	Librarians, curators, and archivists		48.942	224,184
Social scientists and urban planners (166-173)			376,520		
	180-186	Social scientists and related workers		91.211	343,428
	190-196	Life, physical, and social science technicians		0.080	301
	200-202	Counselors, social workers, and other community and social service specialists		8.709	32,791
Social, recreation, and religious workers (174-177)			1,106,405		
	022-043	Other management occupations, except farmers and farm managers		1.304	14,429
	200-202	Counselors, social workers, and other community and social service specialists		57.149	632,297
	204-206	Religious workers		37.828	418,534
	430-446, 461-465	Supervisors and other personal care and service workers, except child care workers		3.719	41,145
Lawyers and judges (178-182)			771,594		
	210	Lawyers		89.459	690,263
	211	Judges, magistrates, and other judicial workers		5.063	39,070
	214-215	Legal support workers		5.477	42,261
Writers, artists, entertainers, and athletes (183-201)			1,984,484		
	004-006	Advertising, marketing, promotions, public relations, and sales managers		1.758	34,886
	050-073	Business operations specialists		0.091	1,799
	220	Postsecondary teachers		0.159	3,155
	234, 254-255	Other teachers, instructors, education, training, and library occupations		0.239	4,733
	260-263	Art and design workers		39.555	784,956
	270-276	Entertainers and performers, sports, and related workers		16.705	331,503
	280-296	Media and communications workers		39.254	778,989
	300-305, 311, 312, 325, 326, 354	Other health diagnosing and treating practitioners and technical occupations		0.514	10,196
	330-353	Health technologists and technicians		0.045	899
	430-446, 461-465	Supervisors and other personal care and service workers, except child care workers		0.889	17,639
	480-485	Sales representatives, services, wholesale and manufacturing		0.091	1,799
	500, 580-593	Other office and administrative support workers, including supervisors		0.060	1,199
	700-713, 730-762	Electrical equipment mechanics and other installation, maintenance, and repair workers, including supervisors		0.196	3,884
	771-775	Assemblers and fabricators		0.122	2,420
	823-826	Printing workers		0.229	4,540
	770, 864-896	Other production occupations, including supervisors		0.095	1,886
Health technologists and technicians, except LPN (203-206,208-212)			977,785		
	190-196	Life, physical, and social science technicians		0.543	5,305
	200-202	Counselors, social workers, and other community and social service specialists		0.181	1,768
	220	Postsecondary teachers		0.362	3,537
	314-324	Therapists		0.477	4,668
	300-305, 311, 312, 325, 326, 354	Other health diagnosing and treating practitioners and technical occupations		2.894	28,293
	330-353	Health technologists and technicians		79.893	781,178
	361-362	Occupational and physical therapist assistants and aides		0.543	5,305
	363-365	Other healthcare support occupations		14.385	140,659

Table 5. 1990 STF-4 Occupation Groups and
Their Redistribution into the Census 2000 SF-4 Occupation Groups

1990 Categories and Codes			Number	Percent of	1990 Redist
	Census 2000 Categories and Codes		Employed	1990 Group	to 2000
	770, 864-896	Other production occupations, including supervisors		0.723	7,073
Licensed Practical Nurses (207)			419,404		
	330-353	Health technologists and technicians		100.000	419,404
Engineering and science technicians (213-225)			1,262,325		
	100-111	Computer specialists		2.161	27,284
	130-131	Architects, surveyors, and cartographers		3.500	44,184
	154-156	Drafters, engineering, and mapping technicians		76.361	963,927
	160-176	Life and physical scientists		0.254	3,209
	190-196	Life, physical, and social science technicians		13.456	169,859
	260-263	Art and design workers		0.777	9,814
	280-296	Media and communications workers		2.401	30,310
	330-353	Health technologists and technicians		0.440	5,553
	700-713, 730-762	Electrical equipment mechanics and other installation, maintenance, and repair workers, including supervisors		0.648	8,185
Technicians, except health, engineering, and science (226-242)			1,597,721		
	100-111	Computer specialists		40.469	646,586
	154-156	Drafters, engineering, and mapping technicians		1.576	25,182
	160-176	Life and physical scientists		0.525	8,394
	180-186	Social scientists and related workers		1.051	16,788
	190-196	Life, physical, and social science technicians		18.914	302,185
	214-215	Legal support workers		15.445	246,771
	240-244	Librarians, curators, and archivists		1.051	16,788
	260-263	Art and design workers		3.678	58,758
	280-296	Media and communications workers		4.448	71,067
	330-353	Health technologists and technicians		1.051	16,788
	501-503	Communications equipment operators		0.075	1,200
	550-563	Material recording, scheduling, dispatching, and distributing workers		0.188	3,000
	500, 580-593	Other office and administrative support workers, including supervisors		0.212	3,380
	790-822	Metal workers and plastic workers		0.226	3,611
	770, 864-896	Other production occupations, including supervisors		1.576	25,182
	903-904	Aircraft and traffic control occupations		9.516	152,041
Supervisors and proprietors, sales, salaried (243-252 and not SE)			2,949,055		
	012	Financial managers		1.142	33,665
	022-043	Other management occupations, except farmers and farm managers		3.881	114,461
	050-073	Business operations specialists		1.598	47,131
	400-401, 413-416	Other food preparation and serving workers, including supervisors		0.228	6,733
	474-476	Retail sales workers, except cashiers		5.251	154,859
	480-485	Sales representatives, services, wholesale and manufacturing		4.110	121,194
	470-471, 490-496	Other sales and related occupations, including supervisors		71.233	2,100,697
	500, 580-593	Other office and administrative support workers, including supervisors		6.621	195,257
	780-785	Food processing workers		0.228	6,733
	770, 864-896	Other production occupations, including supervisors		3.196	94,262
	900	Supervisors, transportation, and material moving workers		2.055	60,597
	911, 914-915	Motor vehicle operators, except bus and truck drivers		0.457	13,466
Supervisors and proprietors, sales, self-employed (243-252 and SE)			402,999		
	012	Financial managers		1.142	4,600
	022-043	Other management occupations, except farmers and farm managers		3.881	15,642
	050-073	Business operations specialists		1.598	6,441
	400-401, 413-416	Other food preparation and serving workers, including supervisors		0.228	920
	474-476	Retail sales workers, except cashiers		5.251	21,162
	480-485	Sales representatives, services, wholesale and manufacturing		4.110	16,562
	470-471, 490-496	Other sales and related occupations, including supervisors		71.233	287,068
	500, 580-593	Other office and administrative support workers, including supervisors		6.621	26,683
	780-785	Food processing workers		0.228	920
	770, 864-896	Other production occupations, including supervisors		3.196	12,881

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	900	Supervisors, transportation, and material moving workers		2.055	8,281
	911, 914-915	Motor vehicle operators, except bus and truck drivers		0.457	1,840
Real estate sales (254)			785,068		
	081-095	Other financial specialists		11.454	89,920
	470-471, 490-496	Other sales and related occupations, including supervisors		88.546	695,148
Other finance and business services sales (253,255-257)			1,631,810		
	050-073	Business operations specialists		5.476	89,359
	081-095	Other financial specialists		6.083	99,257
	220	Postsecondary teachers		0.531	8,668
	474-476	Retail sales workers, except cashiers		0.450	7,346
	480-485	Sales representatives, services, wholesale and manufacturing		81.721	1,333,531
	470-471, 490-496	Other sales and related occupations, including supervisors		4.635	75,628
	510-511, 513-516	Financial clerks, except bookkeeping, accounting and auditing clerks		0.354	5,778
	524	Customer service representatives		0.750	12,243
Sales representatives, commodities, except retail (258-262)			1,524,690		
	050-073	Business operations specialists		1.537	23,430
	474-476	Retail sales workers, except cashiers		4.994	76,146
	480-485	Sales representatives, services, wholesale and manufacturing		76.834	1,171,479
	470-471, 490-496	Other sales and related occupations, including supervisors		16.251	247,778
	911, 914-915	Motor vehicle operators, except bus and truck drivers		0.384	5,857
Cashiers (276)			2,533,639		
	363-365	Other healthcare support occupations		3.383	85,725
	472	Cashiers		75.940	1,924,042
	474-476	Retail sales workers, except cashiers		20.301	514,348
	510-511, 513-516	Financial clerks, except bookkeeping, accounting and auditing clerks		0.376	9,525
Other sales workers, retail and personal services (263-275,277-282)			3,740,026		
	330-353	Health technologists and technicians		0.112	4,202
	404-406, 412	Food and beverage serving workers, except waiters and waitresses		1.744	65,224
	472	Cashiers		0.225	8,404
	474-476	Retail sales workers, except cashiers		82.447	3,083,542
	480-485	Sales representatives, services, wholesale and manufacturing		2.542	95,070
	470-471, 490-496	Other sales and related occupations, including supervisors		12.046	450,520
	770, 864-896	Other production occupations, including supervisors		0.418	15,624
	911, 914-915	Motor vehicle operators, except bus and truck drivers		0.466	17,439
Sales related (283-302)			67,399		
	260-263	Art and design workers		1.921	1,295
	470-471, 490-496	Other sales and related occupations, including supervisors		97.119	65,457
	770, 864-896	Other production occupations, including supervisors		0.960	647
Supervisors, administrative support (303-307)			901,030		
	570	Secretaries and administrative assistants		3.333	30,034
	500, 580-593	Other office and administrative support workers, including supervisors		95.858	863,710
	770, 864-896	Other production occupations, including supervisors		0.809	7,286
Computer equipment operators (308-312)			640,982		
	500, 580-593	Other office and administrative support workers, including supervisors		100.000	640,982
Secretaries, stenographers, and typists (313-315)			4,582,070		
	214-215	Legal support workers		1.180	54,076
	363-365	Other healthcare support occupations		0.288	13,178
	570	Secretaries and administrative assistants		83.433	3,822,968
	500, 580-593	Other office and administrative support workers, including supervisors		15.099	691,848
Information clerks (316-324)			1,481,383		
	050-073	Business operations specialists		0.175	2,588
	100-111	Computer specialists		0.087	1,294
	472	Cashiers		0.324	4,796
	480-485	Sales representatives, services, wholesale and manufacturing		8.337	123,509
	470-471, 490-496	Other sales and related occupations, including supervisors		0.162	2,398

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	Census 2000 Categories and Codes		Employed	1990 Group	to 2000
	520-523, 525-542	Information and record clerks, except customer service representatives		90.135	1,335,246
	524	Customer service representatives		0.611	9,058
	550-563	Material recording, scheduling, dispatching, and distributing workers		0.087	1,294
	500, 580-593	Other office and administrative support workers, including supervisors		0.081	1,199
Records processing, except financial (325-336)			835,636		
	050-073	Business operations specialists		0.107	894
	081-095	Other financial specialists		0.535	4,472
	240-244	Librarians, curators, and archivists		4.699	39,265
	510-511, 513-516	Financial clerks, except bookkeeping, accounting and auditing clerks		0.856	7,155
	520-523, 525-542	Information and record clerks, except customer service representatives		74.926	626,110
	524	Customer service representatives		12.139	101,438
	550-563	Material recording, scheduling, dispatching, and distributing workers		1.853	15,486
	570	Secretaries and administrative assistants		0.107	894
	500, 580-593	Other office and administrative support workers, including supervisors		4.777	39,921
Bookkeepers, accounting and auditing clerks (337)			1,854,588		
	510-511, 513-516	Financial clerks, except bookkeeping, accounting and auditing clerks		6.250	115,912
	512	Bookkeeping, accounting, and auditing clerks		92.917	1,723,221
	520-523, 525-542	Information and record clerks, except customer service representatives		0.833	15,455
Other financial records processing (338-344)			460,617		
	510-511, 513-516	Financial clerks, except bookkeeping, accounting and auditing clerks		95.079	437,949
	500, 580-593	Other office and administrative support workers, including supervisors		4.921	22,668
Mail and message distributing (354-358)			990,423		
	470-471, 490-496	Other sales and related occupations, including supervisors		0.174	1,724
	550-563	Material recording, scheduling, dispatching, and distributing workers		79.893	791,279
	500, 580-593	Other office and administrative support workers, including supervisors		19.933	197,420
Material recording, scheduling, and distributing clerks (359-374)			2,078,729		
	402-403	Cooks and food preparation workers		0.310	6,445
	510-511, 513-516	Financial clerks, except bookkeeping, accounting and auditing clerks		1.705	35,448
	520-523, 525-542	Information and record clerks, except customer service representatives		0.913	18,973
	524	Customer service representatives		8.179	170,016
	550-563	Material recording, scheduling, dispatching, and distributing workers		87.666	1,822,345
	500, 580-593	Other office and administrative support workers, including supervisors		0.906	18,842
	770, 864-896	Other production occupations, including supervisors		0.320	6,661
Adjusters and investigators (375-378)			1,103,125		
	050-073	Business operations specialists		24.981	275,575
	081-095	Other financial specialists		0.502	5,540
	200-202	Counselors, social workers, and other community and social service specialists		0.055	602
	373, 390-395	Other protective service workers, including supervisors		0.251	2,770
	480-485	Sales representatives, services, wholesale and manufacturing		0.093	1,023
	510-511, 513-516	Financial clerks, except bookkeeping, accounting and auditing clerks		14.052	155,016
	520-523, 525-542	Information and record clerks, except customer service representatives		11.791	130,068
	524	Customer service representatives		37.919	418,294
	500, 580-593	Other office and administrative support workers, including supervisors		10.356	114,237
Other administrative support (345-353,379-402)			3,897,894		
	234, 254-255	Other teachers, instructors, education, training, and library occupations		7.057	275,090
	280-296	Media and communications workers		0.079	3,063
	330-353	Health technologists and technicians		2.039	79,471
	363-365	Other healthcare support occupations		0.629	24,502
	472	Cashiers		0.299	11,643
	501-503	Communications equipment operators		6.034	235,209
	510-511, 513-516	Financial clerks, except bookkeeping, accounting and auditing clerks		12.322	480,288
	512	Bookkeeping, accounting, and auditing clerks		0.238	9,272
	520-523, 525-542	Information and record clerks, except customer service representatives		4.462	173,935
	524	Customer service representatives		0.079	3,063
	550-563	Material recording, scheduling, dispatching, and distributing workers		0.120	4,693

Table 5. 1990 STF-4 Occupation Groups and
Their Redistribution into the Census 2000 SF-4 Occupation Groups

1990 Categories and Codes			Number	Percent of	1990 Redist
	Census 2000 Categories and Codes		Employed	1990 Group	to 2000
	500, 580-593	Other office and administrative support workers, including supervisors		65.117	2,538,196
	770, 864-896	Other production occupations, including supervisors		0.707	27,565
	920-933	Rail and water transportation workers		0.033	1,278
	961-964	Laborers and material movers, hand		0.786	30,628
Private household (403-412)			521,154		
	402-403	Cooks and food preparation workers		2.898	15,106
	400-401, 413-416	Other food preparation and serving workers, including supervisors		0.063	331
	420-425	Building and grounds cleaning and maintenance occupations		59.336	309,230
	460	Child care workers		28.482	148,437
	430-446, 461-465	Supervisors and other personal care and service workers, except child care workers		8.700	45,341
	550-563	Material recording, scheduling, dispatching, and distributing workers		0.208	1,083
	830-846	Textile, apparel, and furnishings workers		0.312	1,627
Police and firefighters (417-422)			732,609		
	081-095	Other financial specialists		0.369	2,701
	372, 374-375	Fire fighting and prevention workers, including supervisors		29.941	219,351
	370, 371, 380-386	Law enforcement workers, including supervisors		69.690	510,557
Guards (425-432)			814,699		
	370, 371, 380-386	Law enforcement workers, including supervisors		4.719	38,448
	373, 390-395	Other protective service workers, including supervisors		93.704	763,407
	460	Child care workers		0.153	1,244
	430-446, 461-465	Supervisors and other personal care and service workers, except child care workers		1.424	11,600
Other protective service (413-416,423-424)			445,544		
	372, 374-375	Fire fighting and prevention workers, including supervisors		9.431	42,021
	370, 371, 380-386	Law enforcement workers, including supervisors		78.889	351,483
	373, 390-395	Other protective service workers, including supervisors		11.680	52,040
Waiters and waitresses (435)			1,355,200		
	411	Waiters and waitresses		99.524	1,348,747
	404-406, 412	Food and beverage serving workers, except waiters and waitresses		0.476	6,453
Cooks (436-437)			1,860,082		
	402-403	Cooks and food preparation workers		84.351	1,569,000
	404-406, 412	Food and beverage serving workers, except waiters and waitresses		4.198	78,095
	400-401, 413-416	Other food preparation and serving workers, including supervisors		8.779	163,290
	780-785	Food processing workers		2.672	49,697
Other food service (433-434,438-444)			1,952,026		
	402-403	Cooks and food preparation workers		18.519	361,499
	411	Waiters and waitresses		4.983	97,262
	404-406, 412	Food and beverage serving workers, except waiters and waitresses		34.104	665,724
	400-401, 413-416	Other food preparation and serving workers, including supervisors		42.019	820,223
	500, 580-593	Other office and administrative support workers, including supervisors		0.151	2,940
	780-785	Food processing workers		0.224	4,380
Nursing aides, orderlies, and attendents (447)			1,729,748		
	313	Registered nurses		1.639	28,357
	330-353	Health technologists and technicians		10.164	175,810
	360	Nursing, psychiatric, and home health aides		70.820	1,225,002
	361-362	Occupational and physical therapist assistants and aides		0.328	5,671
	363-365	Other healthcare support occupations		3.934	68,056
	460	Child care workers		2.623	45,370
	430-446, 461-465	Supervisors and other personal care and service workers, except child care workers		10.492	181,482
Other health service (445-446)			384,782		
	200-202	Counselors, social workers, and other community and social service specialists		3.299	12,694
	313	Registered nurses		0.220	846
	314-324	Therapists		3.079	11,848
	330-353	Health technologists and technicians		5.718	22,004
	360	Nursing, psychiatric, and home health aides		2.639	10,156
	361-362	Occupational and physical therapist assistants and aides		5.279	20,311

Table 5. 1990 STF-4 Occupation Groups and
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1990 Categories and Codes			Number	Percent of	1990 Redist
	Census 2000 Categories and Codes		Employed	1990 Group	to 2000
	363-365	Other healthcare support occupations		74.267	285,765
	404-406, 412	Food and beverage serving workers, except waiters and waitresses		5.059	19,465
	934-942	Other transportation occupations		0.440	1,693
Cleaning and building service, except household (448-455)			3,127,932		
	420-425	Building and grounds cleaning and maintenance occupations		93.417	2,922,019
	453-455	Transportation, tourism, and lodging attendants		0.595	18,613
	700-713, 730-762	Electrical equipment mechanics and other installation, maintenance, and repair workers, including supervisors		0.416	12,998
	961-964	Laborers and material movers, hand		5.194	162,471
	950-960, 965-975	Other material moving workers, except laborers		0.378	11,831
Barbers, hairdressers, and cosmetologists (457-458)			796,548		
	220	Postsecondary teachers		1.785	14,215
	450-452	Personal appearance workers		98.215	782,333
Child care workers (466-468)			934,372		
	234, 254-255	Other teachers, instructors, education, training, and library occupations		8.028	75,015
	460	Child care workers		89.537	836,611
	430-446, 461-465	Supervisors and other personal care and service workers, except child care workers		2.434	22,746
Other personal service (456,459-465,469-472)			641,221		
	022-043	Other management occupations, except farmers and farm managers		0.174	1,118
	200-202	Counselors, social workers, and other community and social service specialists		4.194	26,891
	280-296	Media and communications workers		0.349	2,236
	363-365	Other healthcare support occupations		4.882	31,303
	373, 390-395	Other protective service workers, including supervisors		0.360	2,311
	360	Nursing, psychiatric, and home health aides		0.736	4,722
	404-406, 412	Food and beverage serving workers, except waiters and waitresses		1.060	6,796
	400-401, 413-416	Other food preparation and serving workers, including supervisors		8.782	56,313
	420-425	Building and grounds cleaning and maintenance occupations		6.625	42,483
	453-455	Transportation, tourism, and lodging attendants		27.719	177,738
	460	Child care workers		2.954	18,940
	430-446, 461-465	Supervisors and other personal care and service workers, except child care workers		41.057	263,269
	474-476	Retail sales workers, except cashiers		0.360	2,311
	470-471, 490-496	Other sales and related occupations, including supervisors		0.508	3,258
	950-960, 965-975	Other material moving workers, except laborers		0.239	1,533
Farm operators and managers (473-476)			1,066,944		
	020-021	Farmers and farm managers		68.732	733,334
	260-263	Art and design workers		0.071	762
	420-425	Building and grounds cleaning and maintenance occupations		3.896	41,568
	600-605	Agricultural workers, including supervisors		27.300	291,280
Farm workers, except managers (477-484)			738,303		
	020-021	Farmers and farm managers		4.365	32,230
	420-425	Building and grounds cleaning and maintenance occupations		1.927	14,225
	430-446, 461-465	Supervisors and other personal care and service workers, except child care workers		4.656	34,379
	600-605	Agricultural workers, including supervisors		88.469	653,172
	610-613	Fishing, hunting, and forestry occupations		0.291	2,149
	850-855	Woodworkers		0.291	2,149
Groundskeepers and gardeners (486)			644,580		
	420-425	Building and grounds cleaning and maintenance occupations		89.083	574,211
	600-605	Agricultural workers, including supervisors		10.917	70,369
Other related agriculture (484,487-493)			207,301		
	020-021	Farmers and farm managers		0.716	1,485
	363-365	Other healthcare support occupations		11.125	23,063
	420-425	Building and grounds cleaning and maintenance occupations		22.683	47,023
	430-446, 461-465	Supervisors and other personal care and service workers, except child care workers		35.718	74,044
	600-605	Agricultural workers, including supervisors		27.372	56,743
	961-964	Laborers and material movers, hand		2.385	4,944

Table 5. 1990 STF-4 Occupation Groups and
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1990 Categories and Codes			Number	Percent of	1990 Redist
	Census 2000 Categories and Codes		Employed	1990 Group	to 2000
Forestry and logging (494-496)			128,021		
	020-021	Farmers and farm managers		0.091	117
	190-196	Life, physical, and social science technicians		3.835	4,909
	600-605	Agricultural workers, including supervisors		7.113	9,107
	610-613	Fishing, hunting, and forestry occupations		88.961	113,888
Fishers, hunters, and trappers (497-502)			53,861		
	020-021	Farmers and farm managers		0.442	238
	600-605	Agricultural workers, including supervisors		0.883	476
	610-613	Fishing, hunting, and forestry occupations		94.326	50,805
	920-933	Rail and water transportation workers		3.907	2,105
	950-960, 965-975	Other material moving workers, except laborers		0.442	238
Auto mechanics and repairers (505-506,514)			1,119,690		
	714-726	Vehicle and mobile equipment mechanics, installers, and repairers		99.067	1,109,245
	700-713, 730-762	Electrical equipment mechanics and other installation, maintenance, and repair workers, including supervisors		0.933	10,445
Mechanics and repairers, except auto (503-504,507-513,515-552)			2,960,615		
	280-296	Media and communications workers		0.362	10,724
	635	Electricians		0.164	4,854
	660-676	Other construction workers and helpers		0.834	24,685
	680-694	Extraction workers		0.032	938
	714-726	Vehicle and mobile equipment mechanics, installers, and repairers		22.269	659,295
	700-713, 730-762	Electrical equipment mechanics and other installation, maintenance, and repair workers, including supervisors		75.371	2,231,445
	771-775	Assemblers and fabricators		0.253	7,504
	790-822	Metal workers and plastic workers		0.063	1,876
	823-826	Printing workers		0.158	4,690
	830-846	Textile, apparel, and furnishings workers		0.210	6,216
	850-855	Woodworkers		0.063	1,876
	770, 864-896	Other production occupations, including supervisors		0.093	2,760
	961-964	Laborers and material movers, hand		0.127	3,752
Carpenters (567-572)			1,211,948		
	623	Carpenters		90.071	1,091,615
	621, 622, 624, 625, 630-633, 636-640, 646-653	Construction traders workers except carpenters, electricians, painters, plumbers, and construction laborers		8.020	97,192
	660-676	Other construction workers and helpers		1.909	23,141
Electricians (575-576)			608,505		
	635	Electricians		96.401	586,603
	700-713, 730-762	Electrical equipment mechanics and other installation, maintenance, and repair workers, including supervisors		3.599	21,902
Painters, construction and maintenance (579-582)			490,095		
	626	Construction laborers		0.803	3,937
	642-643	Painters and paperhangers		93.574	458,603
	770, 864-896	Other production occupations, including supervisors		5.622	27,556
Plumbers, pipefitters, and steamfitters (585-587)			455,804		
	644	Pipelayers, plumbers, pipefitters, and steamfitters		100.000	455,804
Other construction trades (553-566,573-574,577-578,583-584,588-612)			2,027,583		
	420-425	Building and grounds cleaning and maintenance occupations		0.054	1,104
	620	Supervisors, construction and extraction workers		34.785	705,297
	623	Carpenters		0.054	1,104
	626	Construction laborers		0.545	11,043
	635	Electricians		0.821	16,647
	642-643	Painters and paperhangers		0.797	16,168
	644	Pipelayers, plumbers, pipefitters, and steamfitters		1.253	25,398

Table 5. 1990 STF-4 Occupation Groups and
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1990 Categories and Codes			Number	Percent of	1990 Redist
	Census 2000 Categories and Codes		Employed	1990 Group	to 2000
	621, 622, 624, 625, 630-633, 636-640, 646-653	Construction traders workers except carpenters, electricians, painters, plumbers, and construction laborers		45.579	924,161
	660-676	Other construction workers and helpers		5.337	108,208
	680-694	Extraction workers		0.899	18,224
	700-713, 730-762	Electrical equipment mechanics and other installation, maintenance, and repair workers, including supervisors		7.034	142,624
	771-775	Assemblers and fabricators		0.127	2,580
	790-822	Metal workers and plastic workers		0.102	2,064
	770, 864-896	Other production occupations, including supervisors		1.563	31,695
	900	Supervisors, transportation, and material moving workers		1.049	21,264
Extractive (613-627)			176,680		
	620	Supervisors, construction and extraction workers		25.890	45,743
	680-694	Extraction workers		70.002	123,679
	770, 864-896	Other production occupations, including supervisors		0.488	862
	900	Supervisors, transportation, and material moving workers		1.110	1,960
	961-964	Laborers and material movers, hand		2.511	4,436
Supervisors, production (628-633)			1,261,343		
	500, 580-593	Other office and administrative support workers, including supervisors		15.217	191,944
	620	Supervisors, construction and extraction workers		2.826	35,647
	700-713, 730-762	Electrical equipment mechanics and other installation, maintenance, and repair workers, including supervisors		2.826	35,647
	830-846	Textile, apparel, and furnishings workers		0.217	2,742
	770, 864-896	Other production occupations, including supervisors		69.348	874,714
	900	Supervisors, transportation, and material moving workers		9.348	117,908
	920-933	Rail and water transportation workers		0.217	2,742
Precision metal working (634-655)			1,000,665		
	621, 622, 624, 625, 630-633, 636-640, 646-653	Construction traders workers except carpenters, electricians, painters, plumbers, and construction laborers		15.454	154,644
	700-713, 730-762	Electrical equipment mechanics and other installation, maintenance, and repair workers, including supervisors		0.044	438
	771-775	Assemblers and fabricators		3.895	38,973
	790-822	Metal workers and plastic workers		72.563	726,114
	850-855	Woodworkers		0.569	5,697
	770, 864-896	Other production occupations, including supervisors		7.475	74,800
Precision food production (686-688)			458,455		
	780-785	Food processing workers		99.707	457,113
	961-964	Laborers and material movers, hand		0.293	1,342
Other precision production (656-685,689-702)			1,326,580		
	050-073	Business operations specialists		0.073	972
	330-353	Health technologists and technicians		3.840	50,941
	621, 622, 624, 625, 630-633, 636-640, 646-653	Construction traders workers except carpenters, electricians, painters, plumbers, and construction laborers		0.070	932
	660-676	Other construction workers and helpers		0.330	4,379
	700-713, 730-762	Electrical equipment mechanics and other installation, maintenance, and repair workers, including supervisors		0.341	4,530
	771-775	Assemblers and fabricators		21.987	291,672
	790-822	Metal workers and plastic workers		4.331	57,449
	823-826	Printing workers		2.075	27,522
	830-846	Textile, apparel, and furnishings workers		19.876	263,669
	850-855	Woodworkers		7.825	103,810
	860-863	Plant and system operators		21.919	290,774
	770, 864-896	Other production occupations, including supervisors		14.966	198,536

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1990 Categories and Codes			Number	Percent of	1990 Redist
	Census 2000 Categories and Codes		Employed	1990 Group	to 2000
	912	Bus drivers		1.761	23,355
	950-960, 965-975	Other material moving workers, except laborers		0.606	8,040
Metal working and plastic working machine operators (703-716)			360,453		
	700-713, 730-762	Electrical equipment mechanics and other installation, maintenance, and repair workers, including supervisors		0.528	1,905
	790-822	Metal workers and plastic workers		90.477	326,127
	850-855	Woodworkers		0.343	1,235
	770, 864-896	Other production occupations, including supervisors		8.652	31,186
Printing machine operators (734-737)			507,529		
	823-826	Printing workers		100.000	507,529
Textile, apparel, and furnishings machine operators (738-752)			1,288,299		
	823-826	Printing workers		0.165	2,128
	830-846	Textile, apparel, and furnishings workers		98.354	1,267,088
	850-855	Woodworkers		0.220	2,837
	770, 864-896	Other production occupations, including supervisors		1.261	16,247
Other machine operators & tenders, exc precision (717-733,753-782)			2,825,595		
	280-296	Media and communications workers		0.254	7,188
	430-446, 461-465	Supervisors and other personal care and service workers, except child care workers		0.343	9,689
	500, 580-593	Other office and administrative support workers, including supervisors		0.170	4,792
	610-613	Fishing, hunting, and forestry occupations		0.022	622
	621, 622, 624, 625, 630-633, 636-640, 646-653	Construction traders workers except carpenters, electricians, painters, plumbers, and construction laborers		0.179	5,054
	660-676	Other construction workers and helpers		0.159	4,501
	714-726	Vehicle and mobile equipment mechanics, installers, and repairers		0.335	9,476
	700-713, 730-762	Electrical equipment mechanics and other installation, maintenance, and repair workers, including supervisors		0.319	9,001
	771-775	Assemblers and fabricators		0.741	20,938
	780-785	Food processing workers		1.706	48,205
	790-822	Metal workers and plastic workers		18.843	532,429
	823-826	Printing workers		0.825	23,301
	830-846	Textile, apparel, and furnishings workers		2.567	72,546
	850-855	Woodworkers		5.259	148,606
	860-863	Plant and system operators		0.605	17,086
	770, 864-896	Other production occupations, including supervisors		66.448	1,877,551
	912	Bus drivers		0.159	4,501
	961-964	Laborers and material movers, hand		1.066	30,109
Fabricators, assemblers and hand working (783-795)			2,155,835		
	660-676	Other construction workers and helpers		0.197	4,239
	714-726	Vehicle and mobile equipment mechanics, installers, and repairers		0.295	6,358
	700-713, 730-762	Electrical equipment mechanics and other installation, maintenance, and repair workers, including supervisors		0.720	15,521
	771-775	Assemblers and fabricators		55.634	1,199,384
	780-785	Food processing workers		0.495	10,667
	790-822	Metal workers and plastic workers		29.508	636,148
	823-826	Printing workers		0.247	5,315
	830-846	Textile, apparel, and furnishings workers		0.714	15,401
	850-855	Woodworkers		0.159	3,432
	770, 864-896	Other production occupations, including supervisors		12.031	259,371
Production inspectors, testers, samplers, and weighers (796-802)			766,486		
	600-605	Agricultural workers, including supervisors		4.595	35,223
	714-726	Vehicle and mobile equipment mechanics, installers, and repairers		0.252	1,931
	770, 864-896	Other production occupations, including supervisors		89.556	686,437
	912	Bus drivers		1.317	10,094
	961-964	Laborers and material movers, hand		4.279	32,802

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1990 Categories and Codes			Number	Percent of	1990 Redist
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Truck drivers (804-805)			2,693,352		
	600-605	Agricultural workers, including supervisors		0.830	22,351
	610-613	Fishing, hunting, and forestry occupations		0.415	11,176
	911, 914-915	Motor vehicle operators, except bus and truck drivers		95.021	2,559,243
	934-942	Other transportation occupations		3.734	100,582
Bus drivers (808)			432,557		
	913	Driver/sales workers and truck drivers		96.552	417,641
	934-942	Other transportation occupations		3.448	14,916
Other motor vehicle operators (803,806-807,809-822)			454,228		
	700-713, 730-762	Electrical equipment mechanics and other installation, maintenance, and repair workers, including supervisors		11.780	53,510
	900	Supervisors, transportation, and material moving workers		16.548	75,164
	913	Driver/sales workers and truck drivers		1.144	5,195
	911, 914-915	Motor vehicle operators, except bus and truck drivers		19.077	86,651
	934-942	Other transportation occupations		42.233	191,836
	912	Bus drivers		9.218	41,872
Transportation, except motor vehicle (823-842)			180,773		
	920-933	Rail and water transportation workers		96.456	174,366
	912	Bus drivers		3.254	5,883
	950-960, 965-975	Other material moving workers, except laborers		0.290	524
Material moving equipment operators (843-863)			968,091		
	373, 390-395	Other protective service workers, including supervisors		0.085	823
	610-613	Fishing, hunting, and forestry occupations		0.428	4,141
	621, 622, 624, 625, 630-633, 636-640, 646-653	Construction traders workers except carpenters, electricians, painters, plumbers, and construction laborers		29.875	289,220
	660-676	Other construction workers and helpers		0.255	2,468
	680-694	Extraction workers		1.466	14,192
	700-713, 730-762	Electrical equipment mechanics and other installation, maintenance, and repair workers, including supervisors		0.085	823
	770, 864-896	Other production occupations, including supervisors		0.255	2,468
	900	Supervisors, transportation, and material moving workers		2.348	22,735
	961-964	Laborers and material movers, hand		1.752	16,962
	950-960, 965-975	Other material moving workers, except laborers		63.451	614,261
Construction laborers (869-873)			948,540		
	373, 390-395	Other protective service workers, including supervisors		7.426	70,436
	680-694	Extraction workers		0.990	9,391
	626	Construction laborers		81.188	770,102
	660-676	Other construction workers and helpers		10.396	98,611
Freight, stock, and material handlers (875-884)			1,576,991		
	550-563	Material recording, scheduling, dispatching, and distributing workers		35.265	556,132
	610-613	Fishing, hunting, and forestry occupations		0.267	4,216
	680-694	Extraction workers		0.134	2,108
	830-846	Textile, apparel, and furnishings workers		0.156	2,459
	770, 864-896	Other production occupations, including supervisors		4.328	68,260
	912	Bus drivers		0.668	10,540
	961-964	Laborers and material movers, hand		55.668	877,872
	950-960, 965-975	Other material moving workers, except laborers		3.513	55,404
Hand packers and packagers (888)			318,115		
	470-471, 490-496	Other sales and related occupations, including supervisors		4.762	15,148
	780-785	Food processing workers		7.937	25,247
	770, 864-896	Other production occupations, including supervisors		4.762	15,148
	961-964	Laborers and material movers, hand		82.540	262,571
Miscellaneous manual (864-868,874,885-887,889-902)			1,719,488		
	154-156	Drafters, engineering, and mapping technicians		0.207	3,565

Table 5. 1990 STF-4 Occupation Groups and
Their Redistribution into the Census 2000 SF-4 Occupation Groups

1990 Categories and Codes			Number Employed	Percent of 1990 Group	1990 Redist to 2000
	Census 2000 Categories and Codes				
	420-425	Building and grounds cleaning and maintenance occupations		3.971	68,279
	520-523, 525-542	Information and record clerks, except customer service representatives		1.001	17,210
	550-563	Material recording, scheduling, dispatching, and distributing workers		4.504	77,446
	600-605	Agricultural workers, including supervisors		1.835	31,552
	610-613	Fishing, hunting, and forestry occupations		0.500	8,605
	626	Construction laborers		0.148	2,545
	660-676	Other construction workers and helpers		5.209	89,575
	680-694	Extraction workers		0.795	13,664
	714-726	Vehicle and mobile equipment mechanics, installers, and repairers		3.383	58,162
	700-713, 730-762	Electrical equipment mechanics and other installation, maintenance, and repair workers, including supervisors		1.852	31,842
	780-785	Food processing workers		1.168	20,078
	790-822	Metal workers and plastic workers		0.667	11,473
	830-846	Textile, apparel, and furnishings workers		1.168	20,078
	770, 864-896	Other production occupations, including supervisors		19.471	334,795
	900	Supervisors, transportation, and material moving workers		0.865	14,870
	920-933	Rail and water transportation workers		0.667	11,473
	912	Bus drivers		10.751	184,859
	961-964	Laborers and material movers, hand		39.974	687,354
	950-960, 965-975	Other material moving workers, except laborers		1.865	32,061

Table 4. 1990 STF-4 Industry Groups and Their Redistribution into the Census 2000 SF-4 Industry Groups

Table 4. 1990 STF-4 Industry Groups and Their Redistribution into the Census 2000 SF-4 Industry Groups				
1990 Categories and Codes				
	Census 2000 Categories and Codes *(for a definition of abbreviations, see the footnote at the end of this table)*	**Number Employed**	**Percent of 1990 Group**	**1990 Redist to 2000**
Total Employed		**115,681,202**		**115,681,202**
Agricultural production (000-011)		2,086,580		
	Agriculture, forestry, fishing & hunting (017-029)		100.000	2,086,580
Agricultural services (012-030)		857,462		
	Agriculture, forestry, fishing & hunting (017-029)		6.465	55,433
	Professional, scientific, and technical services (727-749)		21.016	180,203
	Administrative and support, and waste management services (758-779)		69.189	593,270
	Personal and laundry services (897-909)		3.330	28,556
Forestry and fisheries (031-039)		171,330		
	Agriculture, forestry, fishing & hunting (017-029)		96.424	165,202
	Food mfg (107-129)		1.431	2,451
	Public administration (937-959)		2.146	3,677
Mining (040-059)		723,423		
	Mining (037-049)		99.262	718,087
	Professional, scientific, and technical services (727-749)		0.369	2,668
	Management of companies and enterprises (757)		0.369	2,668
Construction (060-099)		7,214,763		
	Construction (077)		95.975	6,924,386
	Petroleum and coal products mfg (207-209)		0.310	22,337
	Professional, scientific, and technical services (727-749)		1.548	111,684
	Administrative and support, and waste management services (758-779)		2.167	156,357
Manufacturing (100-399):				
Nondurable goods (100-229):				
Food and kindred products (100-129)		1,405,723		
	Agriculture, forestry, fishing & hunting (017-029)		0.327	4,598
	Food mfg (107-129)		87.162	1,225,255
	Beverage and tobacco products mfg (137-139)		12.511	175,870
Textile mill products (132-150)		780,784		
	Textile mills and textile products mfg (147-159)		84.103	656,662
	Apparel mfg (167-169)		15.897	124,122
Apparel and other finished textile products (151-159)		1,028,415		
	Textile mills and textile products mfg (147-159)		13.166	135,403
	Apparel mfg (167-169)		85.308	877,321
	Printing and related support activities mfg (199)		0.199	2,047
	Transportation equipment mfg (357-369)		1.260	12,963
	Miscellaneous manufacturing (396-399)		0.066	682
Paper and allied products (160-170)		648,947		

Table 4. 1990 STF-4 Industry Groups and
Their Redistribution into the Census 2000 SF-4 Industry Groups

1990 Categories and Codes				
	Census 2000 Categories and Codes *(for a definition of abbreviations, see the footnote at the end of this table)*	**Number Employed**	**Percent of 1990 Group**	**1990 Redist to 2000**
	Wood products mfg (377-387)		0.523	3,394
	Paper mfg (187-189)		96.568	626,676
	Chemical mfg (217-229)		0.162	1,049
	Plastics and rubber products mfg (237-239)		2.747	17,828
Printing, publishing, and allied industries (171-179)		1,941,923		
	Printing and related support activities mfg (199)		50.607	982,747
	Publishing, and motion picture and sound recording industries (647-659)		49.393	959,176
Chemicals and allied products (180-199)		1,196,595		
	Mining (037-049)		0.187	2,243
	Food mfg (107-129)		0.562	6,730
	Chemical mfg (217-229)		98.875	1,183,135
	Metal mfg (267-299)		0.187	2,243
	Transportation equipment mfg (357-369)		0.187	2,243
Petroleum and coal products (200-209)		184,726		
	Petroleum and coal products mfg (207-209)		100.000	184,726
Rubber and miscellaneous plastics products (210-219)		679,437		
	Leather and allied products mfg (177-179)		1.561	10,606
	Chemical mfg (217-229)		5.935	40,327
	Plastics and rubber products mfg (237-239)		88.932	604,235
	Transportation equipment mfg (357-369)		0.720	4,895
	Furniture and related products mfg (389)		0.330	2,240
	Miscellaneous manufacturing (396-399)		2.522	17,133
Other nondurable goods (130-131, 220-229)		186,684		
	Beverage and tobacco products mfg (137-139)		27.264	50,897
	Apparel mfg (167-169)		0.894	1,669
	Leather and allied products mfg (177-179)		71.396	133,284
	Miscellaneous manufacturing (396-399)		0.447	834
Durable goods (230-391):				
Furniture, lumber, and wood products (230-249)		1,276,578		
	Agriculture, forestry, fishing & hunting (017-029)		10.738	137,082
	Wood products mfg (377-387)		39.219	500,662
	Plastics and rubber products mfg (237-239)		0.146	1,858
	Metal mfg (267-299)		0.391	4,988
	Transportation equipment mfg (357-369)		0.979	12,495
	Furniture and related products mfg (389)		46.312	591,205
	Miscellaneous manufacturing (396-399)		2.216	28,288
Primary metal industries (270-280)		792,239		
	Petroleum and coal products mfg (207-209)		0.974	7,718
	Metal mfg (267-299)		96.994	768,425

Table 4. 1990 STF-4 Industry Groups and
Their Redistribution into the Census 2000 SF-4 Industry Groups

1990 Categories and Codes				
	Census 2000 Categories and Codes *(for a definition of abbreviations, see the footnote at the end of this table)*	**Number Employed**	**Percent of 1990 Group**	**1990 Redist to 2000**
	Electrical equipment, appliances, and components mfg (347-349)		2.032	16,096
Fabricated metal industries (281-309)		1,172,905		
	Nonmetallic mineral products mfg (247-259)		0.188	2,205
	Metal mfg (267-299)		94.947	1,113,640
	Machinery mfg (307-329)		1.849	21,693
	Transportation equipment mfg (357-369)		2.429	28,489
	Miscellaneous manufacturing (396-399)		0.434	5,093
	Repair and maintenance (877-889)		0.152	1,786
Machinery and computing equipment (310-339)		2,362,588		
	Metal mfg (267-299)		15.767	372,504
	Machinery mfg (307-329)		58.228	1,375,690
	Computer and electronic products mfg (336-339)		22.431	529,947
	Transportation equipment mfg (357-369)		2.928	69,175
	Miscellaneous manufacturing (396-399)		0.437	10,330
	Repair and maintenance (877-889)		0.209	4,942
Electrical equipment and components, except computer (340-350)		1,899,173		
	Machinery mfg (307-329)		1.211	22,999
	Computer and electronic products mfg (336-339)		46.398	881,172
	Electrical equipment, appliances, and components mfg (347-349)		49.960	948,828
	Transportation equipment mfg (357-369)		2.310	43,866
	Miscellaneous manufacturing (396-399)		0.122	2,309
Motor vehicles and motor vehicle equipment (351)		1,134,240		
	Machinery mfg (307-329)		1.810	20,529
	Transportation equipment mfg (357-369)		97.285	1,103,446
	Professional, scientific, and technical services (727-749)		0.905	10,265
Other transportation equipment (352-370)		1,398,292		
	Metal mfg (267-299)		0.274	3,827
	Machinery mfg (307-329)		0.051	716
	Transportation equipment mfg (357-369)		99.437	1,390,419
	Repair and maintenance (877-889)		0.238	3,330
Other durable goods (250-269,371-391)		1,664,391		
	Food mfg (107-129)		0.269	4,474
	Textile mills and textile products mfg (147-159)		0.269	4,474
	Wood products mfg (377-387)		0.134	2,237
	Printing and related support activities mfg (199)		0.538	8,947
	Chemical mfg (217-229)		1.015	16,892
	Plastics and rubber products mfg (237-239)		0.806	13,421
	Nonmetallic mineral products mfg (247-259)		32.293	537,485
	Metal mfg (267-299)		1.695	28,215

Table 4. 1990 STF-4 Industry Groups and
Their Redistribution into the Census 2000 SF-4 Industry Groups

1990 Categories and Codes				
	Census 2000 Categories and Codes *(for a definition of abbreviations, see the footnote at the end of this table)*	**Number Employed**	**Percent of 1990 Group**	**1990 Redist to 2000**
	Machinery mfg (307-329)		5.670	94,365
	Computer and electronic products mfg (336-339)		15.651	260,496
	Electrical equipment, appliances, and components mfg (347-349)		0.387	6,446
	Transportation equipment mfg (357-369)		1.115	18,556
	Furniture and related products mfg (389)		0.377	6,270
	Miscellaneous manufacturing (396-399)		39.690	660,589
	Arts, entertainment, and recreation (856-859)		0.092	1,524
Not specified manufacturing (392-399)		708,438		
	Miscellaneous manufacturing (396-399)		100.000	708,438
Transportation, communications, and other public utilities (400-499):				
Transportation (400-439):				
Railroads (400)		336,999		
	Rail transportation (608)		88.701	298,920
	Other transportation (618-629, 638)		10.734	36,175
	Administrative and support, and waste management services (758-779)		0.565	1,904
Trucking service and warehousing (410-411)		1,941,762		
	Truck transportation (617)		67.497	1,310,629
	U.S. Postal Service (637)		0.786	15,256
	Other transportation (618-629, 638)		17.285	335,625
	Warehousing and storage (639)		9.429	183,086
	Real estate and rental and leasing (707-719)		1.076	20,888
	Administrative and support, and waste management services (758-779)		3.928	76,279
U.S. Postal Service (412-419)		861,690		
	U.S. Postal Service (637)		100.000	861,690
Air transportation (421)		758,916		
	Transportation equipment mfg (357-369)		1.523	11,557
	Air transportation (607)		81.726	620,231
	Other transportation (618-629, 638)		15.228	115,571
	Administrative and support, and waste management services (758-779)		1.523	11,557
Other transportation (401-409,420,422-439)		1,208,636		
	Water transportation (609)		5.240	63,336
	Other transportation (618-629, 638)		65.711	794,208
	Real estate and rental and leasing (707-719)		0.274	3,306
	Administrative and support, and waste management services (758-779)		23.118	279,412
	Health care (797-829)		4.236	51,200
	Arts, entertainment, and recreation (856-859)		1.107	13,381
	Public administration (937-959)		0.314	3,793
Communications (440-449):				
Telephone communications (441)		1,148,078		

Table 4. 1990 STF-4 Industry Groups and
Their Redistribution into the Census 2000 SF-4 Industry Groups

1990 Categories and Codes				
	Census 2000 Categories and Codes *(for a definition of abbreviations, see the footnote at the end of this table)*	**Number Employed**	**Percent of 1990 Group**	**1990 Redist to 2000**
	Construction (077)		1.481	17,009
	Broadcasting and telecommunications (667-669)		98.519	1,131,069
Other communications (442-449)		458,931		
	Construction (077)		4.423	20,301
	Broadcasting and telecommunications (667-669)		93.073	427,140
	Finance and insurance (687-699)		1.788	8,207
	Administrative and support, and waste management services (758-779)		0.715	3,283
Utilities and sanitary services (450-499)		1,490,050		
	Other transportation (618-629, 638)		3.185	47,458
	Utilities (057-069)		86.471	1,288,454
	Administrative and support, and waste management services (758-779)		9.195	137,011
	Public administration (937-959)		1.149	17,126
Wholesale trade (500-579):				
Durable goods (500-539)		2,718,583		
	Construction (077)		1.362	37,025
	Motor vehicles, parts and supplies whl (407)		12.149	330,277
	Furniture and home furnishings whl (408)		3.872	105,256
	Lumber and construction materials whl (409)		6.423	174,612
	Professional and commercial equipment and supplies whl (417)		6.725	182,825
	Metals and minerals, except petroleum whl (418)		3.259	88,587
	Electrical goods whl (419)		12.674	344,561
	Hardware, plumbing and heating equipment, and supplies whl (426)		10.113	274,920
	Machinery, equipment, and supplies whl (427)		33.947	922,877
	Recyclable materials whl (428)		5.359	145,698
	Miscellaneous durable goods whl (429)		4.118	111,944
Nondurable goods (540-579)		2,352,443		
	Agriculture, forestry, fishing & hunting (017-029)		0.091	2,136
	Food mfg (107-129)		0.121	2,847
	Textile mills and textile products mfg (147-159)		0.381	8,957
	Professional and commercial equipment and supplies whl (417)		0.187	4,396
	Miscellaneous durable goods whl (429)		1.313	30,884
	Paper and paper products whl (437)		5.564	130,889
	Drugs, druggist sundries, chemicals and allied products whl (438)		8.343	196,269
	Apparel, piece goods and notions whl (439)		5.711	134,357
	Groceries and related products whl (447)		34.082	801,750
	Farm product raw materials whl (448)		2.675	62,926
	Petroleum and petroleum products whl (449)		7.297	171,659
	Alcoholic beverages whl (456)		5.177	121,793
	Farm supplies whl (457)		3.810	89,624

Table 4. 1990 STF-4 Industry Groups and
Their Redistribution into the Census 2000 SF-4 Industry Groups

1990 Categories and Codes				
	Census 2000 Categories and Codes *(for a definition of abbreviations, see the footnote at the end of this table)*	**Number Employed**	**Percent of 1990 Group**	**1990 Redist to 2000**
	Miscellaneous nondurable goods whl (458-459)		24.062	566,034
	Building materials, hardware, and lawn and garden equipment stores (487-489)		0.999	23,492
	Professional, scientific, and technical services (727-749)		0.188	4,430
Retail trade (580-699):				
Building materials, hardware, and garden stores (580-589)		754,861		
	Construction (077)		1.712	12,922
	Lumber and construction materials whl (409)		2.283	17,230
	Building materials, hardware, and lawn and garden equipment stores (487-489)		96.006	724,709
General mechandise stores (591-600)		2,022,380		
	Department and other general stores (538-539)		100.000	2,022,380
Food, bakery, and dairy stores (601-611)		3,339,390		
	Food mfg (107-129)		5.457	182,242
	Food and beverage stores (497-499)		90.014	3,005,931
	Other health and personal care stores (508)		0.225	7,504
	Department and other general stores (538-539)		1.227	40,986
	Other direct selling establishments (569-579)		0.161	5,360
	Warehousing and storage (639)		0.818	27,324
	Accommodation and food services (866-869)		2.097	70,043
Automotive dealers and gasoline stations (612-622):				
Motor vehicle dealers (612-619)		1,127,510		
	Motor vehicle and parts dealers (467-469)		100.000	1,127,510
Gasoline service staions (621)		517,855		
	Gasoline stations (509)		100.000	517,855
Automotive and home supply stores and miscellanous vehicle dealers (620,622)		447,515		
	Motor vehicle and parts dealers (467-469)		100.000	447,515
Apparel and accessory stores, including shoes (623-630)		989,056		
	Apparel mfg (167-169)		6.679	66,063
	Clothing and apparel including shoes (517-518)		90.238	892,502
	Jewelry, luggage and leather goods ret (519)		0.514	5,082
	Sporting goods, cameras, and hobby and toy stores (527)		2.055	20,327
	Used merchandise, gift, novelty, souvenir, and miscellaneous stores (549-558)		0.514	5,082
Home furnishing and equipment stores (631-640)		1,120,467		
	Used merchandise, gift, novelty, souvenir, and miscellaneous stores (549-558)		3.701	41,467
	Furniture and home furnishings and household appliances ret (477-478)		53.563	600,154
	Radio, TV and computer stores (479)		31.162	349,163
	Building materials, hardware, and lawn and garden equipment stores (487-489)		0.169	1,897
	Sewing, needlework, and piece goods ret (528)		1.037	11,615
	Music stores (529)		10.368	116,171
Eating and drinking places (641)		5,463,979		

Table 4. 1990 STF-4 Industry Groups and
Their Redistribution into the Census 2000 SF-4 Industry Groups

1990 Categories and Codes				
	Census 2000 Categories and Codes *(for a definition of abbreviations, see the footnote at the end of this table)*	**Number Employed**	**Percent of 1990 Group**	**1990 Redist to 2000**
	Gasoline stations (509)		0.829	45,282
	Arts, entertainment, and recreation (856-859)		0.552	30,188
	Accommodation and food services (866-869)		98.619	5,388,510
Other retail trade (590,642-699)		3,702,653		
	Nonmetallic mineral products mfg (247-259)		0.041	1,533
	Miscellaneous manufacturing (396-399)		0.138	5,113
	Miscellaneous durable goods whl (429)		0.041	1,533
	Motor vehicle and parts dealers (467-469)		0.351	13,012
	Furniture and home furnishings and household appliances ret (477-478)		0.615	22,771
	Radio, TV and computer stores (479)		0.766	28,368
	Food and beverage stores (497-499)		3.765	139,410
	Pharmacies and drug stores (507)		15.640	579,084
	Other health and personal care stores (508)		4.308	159,506
	Jewelry, luggage and leather goods ret (519)		4.833	178,965
	Sporting goods, cameras, and hobby and toy stores (527)		7.784	288,232
	Sewing, needlework, and piece goods ret (528)		1.642	60,780
	Book stores and news dealers (537)		3.117	115,414
	Florists ret (547)		5.025	186,056
	Office supplies and stationery ret (548)		3.372	124,835
	Used merchandise, gift, novelty, souvenir, and miscellaneous stores (549-558)		15.159	561,296
	Electronic shopping and mail order houses (559)		3.749	138,815
	Vending machine operators (567)		2.044	75,678
	Fuel dealers (568)		3.166	117,214
	Other direct selling establishments (569-579)		23.722	878,348
	Finance and insurance (687-699)		0.527	19,518
	Accommodation and food services (866-869)		0.194	7,174
Finance, insurance, and real estate (700-720):				
Banking and other savings institutions (700-701)		2,374,916		
	Finance and insurance (687-699)		98.679	2,343,545
	Public administration (937-959)		1.321	31,371
Insurance (711)		2,454,987		
	Finance and insurance (687-699)		97.938	2,404,369
	Professional, scientific, and technical services (727-749)		2.062	50,618
Real estate, including real estate insurance offices (712-720)		2,020,082		
	Construction (077)		3.465	70,003
	Finance and insurance (687-699)		0.495	10,000
	Real estate and rental and leasing (707-719)		87.129	1,760,071
	Professional, scientific, and technical services (727-749)		1.980	40,002
	Health care (797-829)		1.485	30,001

Table 4. 1990 STF-4 Industry Groups and
Their Redistribution into the Census 2000 SF-4 Industry Groups

1990 Categories and Codes				
	Census 2000 Categories and Codes *(for a definition of abbreviations, see the footnote at the end of this table)*	**Number Employed**	**Percent of 1990 Group**	**1990 Redist to 2000**
	Accommodation and food services (866-869)		0.990	20,001
	Personal and laundry services (897-909)		4.455	90,004
Other finance (702-710)		1,134,885		
	Finance and insurance (687-699)		98.921	1,122,641
	Real estate and rental and leasing (707-719)		0.360	4,081
	Management of companies and enterprises (757)		0.360	4,081
	Religious, grantmaking, civic, professional, and similar organizations (916-919)		0.360	4,081
Business and repair services (721-760):				
Personnel supply services (731)		433,424		
	Professional, scientific, and technical services (727-749)		5.747	24,909
	Administrative and support, and waste management services (758-779)		86.782	376,132
	Health care (797-829)		4.598	19,928
	Arts, entertainment, and recreation (856-859)		2.874	12,455
Computer and data processing services (732-739)		739,116		
	Computer and electronic products mfg (336-339)		3.125	23,097
	Publishing, and motion picture and sound recording industries (647-659)		6.250	46,195
	Information services and data processing services (677-679)		26.875	198,637
	Real estate and rental and leasing (707-719)		2.500	18,478
	Professional, scientific, and technical services (727-749)		55.625	411,133
	Repair and maintenance (877-889)		5.625	41,575
Other business services (721-730,740-741)		2,678,722		
	Agriculture, forestry, fishing & hunting (017-029)		0.118	3,148
	Mining (037-049)		0.118	3,148
	Construction (077)		0.823	22,035
	Printing and related support activities mfg (199)		0.353	9,444
	Motor vehicle and parts dealers (467-469)		0.089	2,397
	Used merchandise, gift, novelty, souvenir, and miscellaneous stores (549-558)		0.588	15,739
	U.S. Postal Service (637)		0.353	9,444
	Other transportation (618-629, 638)		0.470	12,592
	Publishing, and motion picture and sound recording industries (647-659)		1.410	37,775
	Broadcasting and telecommunications (667-669)		0.353	9,444
	Information services and data processing services (677-679)		1.119	29,978
	Finance and insurance (687-699)		0.940	25,183
	Real estate and rental and leasing (707-719)		2.703	72,402
	Professional, scientific, and technical services (727-749)		26.667	714,337
	Administrative and support, and waste management services (758-779)		61.078	1,636,108
	Arts, entertainment, and recreation (856-859)		0.353	9,444
	Repair and maintenance (877-889)		0.118	3,148
	Personal and laundry services (897-909)		2.350	62,958

Table 4. 1990 STF-4 Industry Groups and
Their Redistribution into the Census 2000 SF-4 Industry Groups

1990 Categories and Codes				
	Census 2000 Categories and Codes *(for a definition of abbreviations, see the footnote at the end of this table)*	**Number Employed**	**Percent of 1990 Group**	**1990 Redist to 2000**
Automotive repair and related services (751)		967,274		
	Plastics and rubber products mfg (237-239)		1.081	10,457
	Other transportation (618-629, 638)		7.568	73,199
	Repair and maintenance (877-889)		91.351	883,618
Other repair services and other automotive services (742-750,752-760)		758,926		
	Agriculture, forestry, fishing & hunting (017-029)		0.352	2,670
	Construction (077)		2.814	21,357
	Electrical equipment, appliances, and components mfg (347-349)		0.594	4,509
	Furniture and home furnishings and household appliances ret (477-478)		0.297	2,254
	Radio, TV and computer stores (479)		1.485	11,272
	Sporting goods, cameras, and hobby and toy stores (527)		0.352	2,670
	Other transportation (618-629, 638)		0.352	2,670
	Real estate and rental and leasing (707-719)		18.385	139,527
	Administrative and support, and waste management services (758-779)		5.277	40,045
	Arts, entertainment, and recreation (856-859)		1.055	8,009
	Repair and maintenance (877-889)		62.290	472,732
	Personal and laundry services (897-909)		6.748	51,212
Personal services (761-799):				
Private households (761)		628,510		
	Health care (797-829)		2.959	18,595
	Private households (929)		97.041	609,915
Hotels and motels (762-769)		1,196,162		
	Real estate and rental and leasing (707-719)		0.495	5,922
	Accommodation and food services (866-869)		99.505	1,190,240
Beauty and barber shops (772-780)		799,201		
	Educational services (786-789)		3.897	31,143
	Personal and laundry services (897-909)		96.103	768,058
Other personal services (770-771,781-799)		1,044,823		
	Textile mills and textile products mfg (147-159)		0.206	2,153
	Apparel mfg (167-169)		0.773	8,075
	Real estate and rental and leasing (707-719)		4.098	42,813
	Professional, scientific, and technical services (727-749)		19.314	201,802
	Administrative and support, and waste management services (758-779)		7.488	78,235
	Arts, entertainment, and recreation (856-859)		4.440	46,391
	Accommodation and food services (866-869)		5.556	58,049
	Repair and maintenance (877-889)		5.192	54,243
	Personal and laundry services (897-909)		52.933	553,061
Entertainment and recreation services (800-811)		1,636,460		
	Computer and electronic products mfg (336-339)		0.151	2,475

Table 4. 1990 STF-4 Industry Groups and
Their Redistribution into the Census 2000 SF-4 Industry Groups

1990 Categories and Codes				
	Census 2000 Categories and Codes *(for a definition of abbreviations, see the footnote at the end of this table)*	**Number Employed**	**Percent of 1990 Group**	**1990 Redist to 2000**
	Publishing, and motion picture and sound recording industries (647-659)		17.849	292,098
	Broadcasting and telecommunications (667-669)		0.454	7,426
	Real estate and rental and leasing (707-719)		7.440	121,756
	Administrative and support, and waste management services (758-779)		0.254	4,154
	Educational services (786-789)		2.285	37,386
	Arts, entertainment, and recreation (856-859)		68.013	1,113,007
	Accommodation and food services (866-869)		2.285	37,386
	Personal and laundry services (897-909)		1.015	16,616
	Public administration (937-959)		0.254	4,154
Professional and related services (812-899):				
Hospitals (831)		5,204,690		
	Health care (797-829)		100.000	5,204,690
Health services, except hospitals (812-830,832-840)		4,477,994		
	Miscellaneous manufacturing (396-399)		1.593	71,315
	Health care (797-829)		96.656	4,328,233
	Social assistance (837-847)		0.796	35,657
	Public administration (937-959)		0.956	42,789
Legal services (841)		1,278,671		
	Professional, scientific, and technical services (727-749)		100.000	1,278,671
Elementary and secondary schools (842-849):				
Government (842-849 and Class of Worker = Government)		4,868,274		
	Other transportation (618-629, 638)		0.467	22,749
	Educational services (786-789)		98.598	4,800,027
	Accommodation and food services (866-869)		0.935	45,498
Private (842-849 and Class of Worker not = Government)		1,585,618		
	Other transportation (618-629, 638)		0.467	7,409
	Educational services (786-789)		98.598	1,563,390
	Accommodation and food services (866-869)		0.935	14,819
Colleges and universities (850)		2,700,849		
	Educational services (786-789)		100.000	2,700,849
Other educational services (851-860)		478,762		
	Information services and data processing services (677-679)		44.591	213,486
	Educational services (786-789)		52.678	252,201
	Social assistance (837-847)		2.276	10,896
	Religious, grantmaking, civic, professional, and similar organizations (916-919)		0.455	2,179
Job training and vocational rehabilitation services (861)		124,611		
	Social assistance (837-847)		100.000	124,611
Child day care, including family homes (862-869)		1,059,760		
	Social assistance (837-847)		100.000	1,059,760

Table 4. 1990 STF-4 Industry Groups and
Their Redistribution into the Census 2000 SF-4 Industry Groups

1990 Categories and Codes				
	Census 2000 Categories and Codes *(for a definition of abbreviations, see the footnote at the end of this table)*	**Number Employed**	**Percent of 1990 Group**	**1990 Redist to 2000**
Other social services (870-871)		1,099,149		
	Educational services (786-789)		0.280	3,080
	Health care (797-829)		30.633	336,700
	Social assistance (837-847)		43.006	472,705
	Religious, grantmaking, civic, professional, and similar organizations (916-919)		16.674	183,277
	Public administration (937-959)		9.406	103,387
Religious and other membership organizations (873-881)		1,242,677		
	Administrative and support, and waste management services (758-779)		1.082	13,444
	Religious, grantmaking, civic, professional, and similar organizations (916-919)		98.918	1,229,233
Engineering, architectural, and surveying services (882-889)		678,564		
	Professional, scientific, and technical services (727-749)		100.000	678,564
Other professional services (872,890-899)		2,198,628		
	Professional, scientific, and technical services (727-749)		83.965	1,846,086
	Management of companies and enterprises (757)		0.181	3,975
	Administrative and support, and waste management services (758-779)		0.723	15,900
	Educational services (786-789)		0.362	7,950
	Arts, entertainment, and recreation (856-859)		14.769	324,718
Public administration (900-939):				
Justice, public order, and safety (910-920)		1,837,304		
	Personal and laundry services (897-909)		0.930	17,091
	Public administration (937-959)		99.070	1,820,213
Other public administration (900-909,921-939)		3,700,773		
	Other transportation (618-629, 638)		0.360	13,311
	Administrative and support, and waste management services (758-779)		0.268	9,930
	Social assistance (837-847)		1.208	44,687
	Public administration (937-959)		98.164	3,632,844
(Abbreviations used in this table: mfg = manufacturing; whl = wholesale; ret = retail)				

Table 3. 1990 Census EEO File Occupation Categories and Their Redistribution into the Census 2000 EEO File Occupation Categories

Note: Although this table appears at first to be identical to Table 2, this table shows only 471 Census 2000 occupation categories instead of 509. The "missing" categories are merged into the larger aggregates required for the Census 2000 EEO File, the 5% PUMS, and other tabulations. The codes for these aggregated categories are shown in parentheses. For a more detailed explanation, see the text of the accompanying Technical Paper. Numbers and percents may not always add to totals due to rounding.

1990 Census Codes and Categories				1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
		Census 2000 Codes and Categories					
Total Civilian Labor Force				123,473,450		123,473,450	
003	Legislators			12,716			
		003	Legislators		100.000	12,716	1
004	Chief executives & general administrators, public administration			19,023			
		001	Chief executives		77.143	14,675	
		043	Managers, all other		22.857	4,348	
005	Administrators and officials, public administration			506,683			
		001	Chief executives		1.571	7,958	
		002	General and operations managers		3.141	15,917	
		010	Administrative services managers		2.094	10,611	
		011	Computer and information systems managers		1.571	7,958	
		012	Financial managers		5.236	26,528	
		013	Human resources managers		1.047	5,306	
		015	Purchasing managers		2.094	10,611	
		016	Transportation, storage, and distribution managers		0.524	2,653	
		022	Construction managers		0.524	2,653	
		023	Education administrators		2.094	10,611	
		030	Engineering managers		0.524	2,653	
		036	Natural sciences managers		0.524	2,653	
		041	Property, real estate, and community association managers		1.047	5,306	
		042	Social and community service managers		4.712	23,875	
		043	Managers, all other		40.838	206,918	
		054	Claims adjusters, appraisers, examiners, and investigators		4.188	21,222	
		062	Human resources, training, and labor relations specialists		2.094	10,611	
		081	Appraisers and assessors of real estate		3.141	15,917	
		084	Financial analysts		0.524	2,653	
		093	Tax examiners, collectors, and revenue agents		5.236	26,528	
		122	Operations research analysts		5.759	29,181	
		164	Conservation scientists and foresters		0.524	2,653	
		202	Miscellaneous community and social service specialists		2.094	10,611	
		211	Judges, magistrates, and other judicial workers		2.618	13,264	
		215	Miscellaneous legal support workers		0.524	2,653	
		354	Other healthcare practitioners and technical occupations		0.524	2,653	
		382	Detectives and criminal investigators		0.524	2,653	
		395	Lifeguards and other protective service workers		0.524	2,653	
		525	Eligibility interviewers, government programs		4.188	21,222	
006	Administrators, protective services			49,273			
		043	Managers, all other		14.019	6,907	

Table 3. 1990 Census EEO File Occupation Categories and Their Redistribution into the Census 2000 EEO File Occupation Categories

1990 Census Codes and Categories		Census 2000 Codes and Categories		1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
		056	Compliance officers, except agriculture, construction, health and safety, and transportation		8.411	4,144	
		073	Other business operations specialists		1.869	921	
		211	Judges, magistrates, and other judicial workers		0.935	460	
		370	First-line supervisors/managers of correctional officers		7.477	3,684	
		371	First-line supervisors/managers of police and detectives		28.972	14,275	
		372	First-line supervisors/managers of fire fighting and prevention workers		16.822	8,289	
		373	Supervisors, protective service workers, all other		21.495	10,591	
007	Financial managers			635,911			
		012	Financial managers		100.000	635,911	1
008	Personnel and labor relations managers			275,495			
		013	Human resources managers		100.000	275,495	1
009	Purchasing managers			120,775			
		015	Purchasing managers		96.212	116,200	2
		211	Judges, magistrates, and other judicial workers		3.788	4,575	
013	Managers, marketing, advertising, and public relations			609,109			
		004	Advertising and promotions managers		13.084	79,697	
		005	Marketing and sales managers		81.308	495,257	
		006	Public relations managers		1.402	8,539	
		471	First-line supervisors/managers of non-retail sales workers		4.206	25,617	
014	Administrators, education and related fields			623,612			
		001	Chief executives		1.031	6,429	
		023	Education administrators		95.361	594,682	2
		034	Lodging managers		1.031	6,429	
		073	Other business operations specialists		1.031	6,429	
		095	Financial specialists, all other		1.546	9,643	
015	Managers, medicine and health			233,621			
		023	Education administrators		1.695	3,960	
		035	Medical and health services managers		94.068	219,762	3
		570	Secretaries and administrative assistants		4.237	9,899	
016	Postmasters and mail superintendents			39,846			
		040	Postmasters and mail superintendents		100.000	39,846	1
017	Managers, food serving and lodging establishments			1,030,651			
		002	General and operations managers		2.620	27,004	
		031	Food service managers		58.079	598,588	
		033	Gaming managers		0.873	9,001	
		034	Lodging managers		9.170	94,514	
		072	Meeting and convention planners		0.437	4,501	
		400	Chefs and head cooks		1.747	18,003	
		401	First-line supervisors/managers of food preparation and serving workers		27.074	279,041	
018	Managers, properties and real estate			411,466			
		034	Lodging managers		0.694	2,857	
		041	Property, real estate, and community association managers		91.667	377,177	3

Table 3. 1990 Census EEO File Occupation Categories and Their Redistribution into the Census 2000 EEO File Occupation Categories

1990 Census Codes and Categories		Census 2000 Codes and Categories		1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
		492	Real estate brokers and sales agents		7.639	31,431	
019	Funeral directors			45,486			
		032	Funeral directors		100.000	45,486	1
021	Managers, service organizations, n.e.c.			404,073			
		001	Chief executives		1.190	4,810	
		002	General and operations managers		5.952	24,052	
		005	Marketing and sales managers		0.595	2,405	
		006	Public relations managers		1.190	4,810	
		011	Computer and information systems managers		1.190	4,810	
		013	Human resources managers		1.190	4,810	
		023	Education administrators		0.595	2,405	
		033	Gaming managers		1.190	4,810	
		034	Lodging managers		1.190	4,810	
		035	Medical and health services managers		3.571	14,431	
		041	Property, real estate, and community association managers		0.595	2,405	
		042	Social and community service managers		29.762	120,260	
		043	Managers, all other		27.381	110,639	
		062	Human resources, training, and labor relations specialists		4.762	19,242	
		072	Meeting and convention planners		2.976	12,026	
		201	Social workers		1.786	7,216	
		202	Miscellaneous community and social service specialists		4.762	19,242	
		462	Recreation and fitness workers		10.119	40,888	
022	Managers and administrators, n.e.c.			5,345,993			
		001	Chief executives		8.626	461,131	
		002	General and operations managers		8.480	453,315	
		005	Marketing and sales managers		1.608	85,974	
		010	Administrative services managers		1.023	54,710	
		011	Computer and information systems managers		2.193	117,237	
		012	Financial managers		1.170	62,526	
		014	Industrial production managers		1.754	93,789	
		015	Purchasing managers		1.316	70,342	
		016	Transportation, storage, and distribution managers		2.485	132,868	
		022	Construction managers		5.702	304,815	
		023	Education administrators		1.316	70,342	
		030	Engineering managers		1.023	54,710	
		034	Lodging managers		0.292	15,632	
		035	Medical and health services managers		1.316	70,342	
		036	Natural sciences managers		0.292	15,632	
		042	Social and community service managers		0.877	46,895	
		043	Managers, all other		28.216	1,508,445	
		050	Agents and business managers of artists, performers, and athletes		0.146	7,816	
		060	Cost estimators		2.047	109,421	
		073	Other business operations specialists		1.023	54,710	

Table 3. 1990 Census EEO File Occupation Categories and Their Redistribution into the Census 2000 EEO File Occupation Categories

1990 Census Codes and Categories				1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
		Census 2000 Codes and Categories					
		101	Computer programmers		0.585	31,263	
		110	Network and computer systems administrators		0.292	15,632	
		131	Surveyors, cartographers, and photogrammetrists		0.146	7,816	
		202	Miscellaneous community and social service specialists		0.292	15,632	
		240	Archivists, curators, and museum technicians		0.877	46,895	
		263	Designers		0.146	7,816	
		271	Producers and directors		0.877	46,895	
		421	First-line supervisors/managers of landscaping, lawn service, and groundskeeping workers		0.731	39,079	
		430	First-line supervisors/managers of gaming workers		1.023	54,710	
		462	Recreation and fitness workers		1.023	54,710	
		471	First-line supervisors/managers of non-retail sales workers		3.363	179,763	
		500	First-line supervisors/managers of office and administrative support workers		10.819	578,368	
		570	Secretaries and administrative assistants		3.947	211,026	
		700	First-line supervisors/managers of mechanics, installers, and repairers		1.901	101,605	
		900	Supervisors, transportation and material moving workers		2.632	140,684	
		904	Air traffic controllers and airfield operations specialists		0.439	23,447	
023	Accountants and auditors			1,590,178			
		012	Financial managers		3.488	55,471	
		080	Accountants and auditors		93.605	1,488,481	3
		093	Tax examiners, collectors, and revenue agents		2.907	46,226	
024	Underwriters			67,767			
		086	Insurance underwriters		100.000	67,767	1
025	Other financial officers			679,275			
		012	Financial managers		17.204	116,865	
		082	Budget analysts		8.065	54,780	
		083	Credit analysts		2.688	18,260	
		084	Financial analysts		3.226	21,912	
		085	Personal financial advisors		6.452	43,824	
		086	Insurance underwriters		1.613	10,956	
		091	Loan counselors and officers		38.710	262,945	
		094	Tax preparers		15.054	102,256	
		095	Financial specialists, all other		4.301	29,216	
		482	Securities, commodities, and financial services sales agents		2.688	18,260	
026	Management analysts			281,789			
		071	Management analysts		100.000	281,789	1
027	Personnel, training, and labor relations specialists			513,625			
		013	Human resources managers		6.215	31,920	
		062	Human resources, training, and labor relations specialists		92.090	472,999	3
		073	Other business operations specialists		1.130	5,804	
		211	Judges, magistrates, and other judicial workers		0.565	2,902	
028	Purchasing agents and buyers, farm products			17,298			
		051	Purchasing agents and buyers, farm products		90.741	15,696	3

Table 3. 1990 Census EEO File Occupation Categories and Their Redistribution into the Census 2000 EEO File Occupation Categories

1990 Census Codes and Categories				1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
		Census 2000 Codes and Categories					
		485	Sales representatives, wholesale and manufacturing		9.259	1,602	
029		Buyers, wholesale and retail trade, except farm products		228,399			
		052	Wholesale and retail buyers, except farm products		87.574	200,018	
		053	Purchasing agents, except wholesale, retail, and farm products		10.651	24,327	
		485	Sales representatives, wholesale and manufacturing		1.775	4,054	
033		Purchasing agents and buyers, n.e.c.		246,967			
		015	Purchasing managers		2.732	6,748	
		051	Purchasing agents and buyers, farm products		4.918	12,146	
		052	Wholesale and retail buyers, except farm products		7.650	18,894	
		053	Purchasing agents, except wholesale, retail, and farm products		84.699	209,180	
034		Business and promotion agents		36,492			
		042	Social and community service managers		6.024	2,198	
		050	Agents and business managers of artists, performers, and athletes		86.747	31,656	
		062	Human resources, training, and labor relations specialists		2.410	879	
		073	Other business operations specialists		4.819	1,759	
035		Construction inspectors		64,284			
		666	Construction and building inspectors		100.000	64,284	1
036		Inspectors and compliance officers, except construction		161,277			
		056	Compliance officers, except agriculture, construction, health and safety, and transportation		21.849	35,237	
		090	Financial examiners		1.261	2,033	
		093	Tax examiners, collectors, and revenue agents		7.563	12,197	
		102	Computer software engineers		1.261	2,033	
		202	Miscellaneous community and social service specialists		0.420	678	
		354	Other healthcare practitioners and technical occupations		13.445	21,684	
		382	Detectives and criminal investigators		2.101	3,388	
		390	Animal control workers		0.420	678	
		391	Private detectives and investigators		10.084	16,263	
		601	Agricultural inspectors		24.370	39,303	
		604	Graders and sorters, agricultural products		0.840	1,355	
		666	Construction and building inspectors		9.664	15,586	
		874	Inspectors, testers, sorters, samplers, and weighers		3.361	5,421	
		941	Transportation inspectors		3.361	5,421	
037		Management related occupations, n.e.c.		368,073			
		060	Cost estimators		21.583	79,440	
		072	Meeting and convention planners		0.719	2,648	
		073	Other business operations specialists		45.324	166,824	
		500	First-line supervisors/managers of office and administrative support workers		6.475	23,832	
		570	Secretaries and administrative assistants		25.899	95,328	
043		Architects		156,874			
		130	Architects, except naval		100.000	156,874	1
044		Aerospace engineers		143,434			
		132	Aerospace engineers		100.000	143,434	1

Table 3. 1990 Census EEO File Occupation Categories and Their Redistribution into the Census 2000 EEO File Occupation Categories

1990 Census Codes and Categories			Census 2000 Codes and Categories	1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
045			Metallurgical and materials engineers	19,230			
		145	Materials engineers		99.057	19,049	2
		306	Physicians and surgeons		0.943	181	
046			Mining engineers	6,478			
		062	Human resources, training, and labor relations specialists		2.778	180	
		(152)	Petroleum, mining and geological engineers, including mining safety engineers		97.222	6,298	2
047			Petroleum engineers	24,565			
		030	Engineering managers		0.990	243	
		143	Industrial engineers, including health and safety		0.990	243	
		(152)	Petroleum, mining and geological engineers, including mining safety engineers		94.059	23,106	3
		193	Geological and petroleum technicians		3.960	973	
048			Chemical engineers	64,320			
		030	Engineering managers		1.460	939	
		135	Chemical engineers		95.620	61,503	2
		145	Materials engineers		2.920	1,878	
049			Nuclear engineers	10,801			
		142	Environmental engineers		1.802	195	
		151	Nuclear engineers		98.198	10,606	2
053			Civil engineers	252,808			
		030	Engineering managers		0.763	1,930	
		136	Civil engineers		96.183	243,159	2
		142	Environmental engineers		3.053	7,719	
054			Agricultural engineers	2,148			
		(153)	Miscellaneous engineers		100.000	2,148	1
055			Electrical and electronic engineers	467,023			
		030	Engineering managers		0.877	4,097	
		102	Computer software engineers		20.614	96,272	
		111	Network systems and data communications analysts		0.877	4,097	
		140	Computer hardware engineers		6.579	30,725	
		141	Electrical and electronic engineers		52.632	245,802	
		(153)	Miscellaneous engineers		14.474	67,595	
		(290)	Broadcast & sound engineering technicians & radio operators & other media & communication equipment workers		3.947	18,435	
056			Industrial engineers	176,333			
		043	Managers, all other		6.204	10,940	
		143	Industrial engineers, including health and safety		89.781	158,314	
		145	Materials engineers		2.920	5,148	
		354	Other healthcare practitioners and technical occupations		1.095	1,931	
057			Mechanical engineers	185,872			
		140	Computer hardware engineers		0.415	771	
		143	Industrial engineers, including health and safety		3.320	6,170	
		146	Mechanical engineers		96.266	178,931	2
058			Marine engineers and naval architects	13,269			

Table 3. 1990 Census EEO File Occupation Categories and Their Redistribution into the Census 2000 EEO File Occupation Categories

1990 Census Codes and Categories				1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
		Census 2000 Codes and Categories					
		144	Marine engineers and naval architects		89.011	11,811	
		933	Ship engineers		10.989	1,458	
059	Engineers, n.e.c.			341,963			
		030	Engineering managers		3.067	10,490	
		142	Environmental engineers		11.656	39,861	
		143	Industrial engineers, including health and safety		4.908	16,783	
		146	Mechanical engineers		4.294	14,686	
		(153)	Miscellaneous engineers		76.074	260,144	
063	Surveyors and mapping scientists			11,405			
		131	Surveyors, cartographers, and photogrammetrists		97.802	11,154	2
		155	Engineering technicians, except drafters		2.198	251	
064	Computer systems analysts and scientists			471,290			
		011	Computer and information systems managers		1.190	5,611	
		071	Management analysts		0.595	2,805	
		100	Computer scientists and systems analysts		45.536	214,605	
		101	Computer programmers		2.679	12,624	
		102	Computer software engineers		30.952	145,875	
		104	Computer support specialists		6.548	30,858	
		106	Database administrators		0.893	4,208	
		110	Network and computer systems administrators		3.571	16,832	
		111	Network systems and data communications analysts		5.357	25,248	
		140	Computer hardware engineers		2.679	12,624	
065	Operations and systems researchers and analysts			251,818			
		070	Logisticians		11.966	30,132	
		100	Computer scientists and systems analysts		40.171	101,158	
		122	Operations research analysts		47.863	120,528	
066	Actuaries			18,732			
		120	Actuaries		100.000	18,732	1
067	Statisticians			31,852			
		(124)	Miscellaneous mathematical science occupations, including mathematicians & statisticians		100.000	31,852	1
068	Mathematical scientists, n.e.c.			5,815			
		(124)	Miscellaneous mathematical science occupations, including mathematicians & statisticians		96.053	5,585	2
		132	Aerospace engineers		3.289	191	
		(153)	Miscellaneous engineers		0.658	38	
069	Physicists and astronomers			27,842			
		165	Medical scientists		1.575	438	
		170	Astronomers and physicists		98.425	27,404	2
073	Chemists, except biochemists			141,255			
		172	Chemists and materials scientists		100.000	141,255	1
074	Atmospheric and space scientists			8,354			
		171	Atmospheric and space scientists		100.000	8,354	1

Table 3. 1990 Census EEO File Occupation Categories and Their Redistribution into the Census 2000 EEO File Occupation Categories

1990 Census Codes and Categories			Census 2000 Codes and Categories	1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
075	Geologists and geodesists			53,129			
		142	Environmental engineers		0.581	309	
		174	Environmental scientists and geoscientists		99.419	52,820	2
076	Physical scientists, n.e.c.			18,782			
		164	Conservation scientists and foresters		1.481	278	
		172	Chemists and materials scientists		2.222	417	
		174	Environmental scientists and geoscientists		71.852	13,495	
		176	Physical scientists, all other		16.296	3,061	
		(186)	Miscellaneous social scientists and related workers, including sociologists		3.704	696	
		(196)	Miscellaneous life, physical, and social science technicians		4.444	835	
077	Agricultural and food scientists			34,842			
		020	Farm, ranch, and other agricultural managers		2.703	942	
		160	Agricultural and food scientists		82.883	28,878	
		161	Biological scientists		9.910	3,453	
		(605)	Miscellaneous agricultural workers, including animal breeders		4.505	1,569	
078	Biological and life scientists			62,137			
		160	Agricultural and food scientists		0.606	377	
		161	Biological scientists		92.727	57,618	3
		165	Medical scientists		6.667	4,142	
079	Forestry and conservation scientists			34,815			
		131	Surveyors, cartographers, and photogrammetrists		0.840	293	
		161	Biological scientists		7.563	2,633	
		164	Conservation scientists and foresters		86.555	30,134	
		176	Physical scientists, all other		1.681	585	
		(196)	Miscellaneous life, physical, and social science technicians		3.361	1,170	
083	Medical scientists			27,519			
		161	Biological scientists		5.422	1,492	
		165	Medical scientists		94.578	26,027	3
084	Physicians			586,715			
		306	Physicians and surgeons		97.345	571,138	2
		353	Miscellaneous health technologists and technicians		2.655	15,577	
085	Dentists			155,529			
		301	Dentists		100.000	155,529	1
086	Veterinarians			48,744			
		325	Veterinarians		100.000	48,744	1
087	Optometrists			27,515			
		304	Optometrists		100.000	27,515	1
088	Podiatrists			8,908			
		312	Podiatrists		100.000	8,908	1
089	Health diagnosing practitioners, n.e.c.			47,114			
		300	Chiropractors		91.971	43,331	3
		326	Health diagnosing and treating practitioners, all other		8.029	3,783	
095	Registered nurses			1,885,129			

Table 3. 1990 Census EEO File Occupation Categories and Their Redistribution into the Census 2000 EEO File Occupation Categories

1990 Census Codes and Categories		Census 2000 Codes and Categories		1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
		313	Registered nurses		97.959	1,846,657	2
		360	Nursing, psychiatric, and home health aides		2.041	38,472	
096	Pharmacists			181,798			
		305	Pharmacists		100.000	181,798	1
097	Dietitians			90,223			
		035	Medical and health services managers		0.730	659	
		303	Dietitians and nutritionists		96.350	86,930	2
		341	Health diagnosing and treating practitioner support technicians		2.920	2,634	
098	Respiratory therapists			65,589			
		035	Medical and health services managers		1.058	694	
		322	Respiratory therapists		98.942	64,895	2
099	Occupational therapists			37,895			
		035	Medical and health services managers		1.911	724	
		315	Occupational therapists		96.815	36,688	2
		324	Therapists, all other		1.274	483	
103	Physical therapists			92,022			
		316	Physical therapists		100.000	92,022	1
104	Speech therapists			64,713			
		314	Audiologists		22.460	14,534	
		323	Speech-language pathologists		77.540	50,179	
105	Therapists, n.e.c.			71,402			
		200	Counselors		7.843	5,600	
		316	Physical therapists		0.654	467	
		320	Radiation therapists		0.654	467	
		321	Recreational therapists		26.144	18,667	
		324	Therapists, all other		64.706	46,201	
106	Physicians' assistants			25,569			
		311	Physician assistants		35.417	9,056	
		340	Emergency medical technicians and paramedics		41.667	10,654	
		365	Medical assistants and other healthcare support occupations		22.917	5,860	
113	Earth, environmental, and marine science teachers			1,253			
		220	Postsecondary teachers		100.000	1,253	1
114	Biological science teachers			6,101			
		220	Postsecondary teachers		100.000	6,101	1
115	Chemistry teachers			5,446			
		220	Postsecondary teachers		100.000	5,446	1
116	Physics teachers			4,432			
		220	Postsecondary teachers		100.000	4,432	1
117	Natural science teachers, n.e.c.			389			
		220	Postsecondary teachers		100.000	389	1
118	Psychology teachers			4,518			
		220	Postsecondary teachers		100.000	4,518	1
119	Economics teachers			3,426			

Table 3. 1990 Census EEO File Occupation Categories and Their Redistribution into the Census 2000 EEO File Occupation Categories

1990 Census Codes and Categories				1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
		Census 2000 Codes and Categories					
		220	Postsecondary teachers		100.000	3,426	1
123	History teachers			4,121			
		220	Postsecondary teachers		100.000	4,121	1
124	Political science teachers			1,005			
		220	Postsecondary teachers		100.000	1,005	1
125	Sociology teachers			1,457			
		220	Postsecondary teachers		100.000	1,457	1
126	Social science teachers, n.e.c.			860			
		220	Postsecondary teachers		100.000	860	1
127	Engineering teachers			7,777			
		220	Postsecondary teachers		100.000	7,777	1
128	Mathematical science teachers			17,357			
		220	Postsecondary teachers		100.000	17,357	1
129	Computer science teachers			4,384			
		220	Postsecondary teachers		100.000	4,384	1
133	Medical science teachers			2,743			
		220	Postsecondary teachers		100.000	2,743	1
134	Health specialties teachers			15,711			
		220	Postsecondary teachers		97.409	15,304	2
		234	Other teachers and instructors		2.591	407	
135	Business, commerce, and marketing teachers			5,063			
		220	Postsecondary teachers		100.000	5,063	1
136	Agriculture and forestry teachers			1,061			
		220	Postsecondary teachers		100.000	1,061	1
137	Art, drama, and music teachers			21,393			
		220	Postsecondary teachers		100.000	21,393	1
138	Physical education teachers			4,115			
		220	Postsecondary teachers		93.258	3,838	3
		272	Athletes, coaches, umpires, and related workers		6.742	277	
139	Education teachers			1,455			
		220	Postsecondary teachers		100.000	1,455	1
143	English teachers			24,276			
		220	Postsecondary teachers		100.000	24,276	1
144	Foreign language teachers			10,025			
		220	Postsecondary teachers		100.000	10,025	1
145	Law teachers			4,555			
		220	Postsecondary teachers		100.000	4,555	1
146	Social work teachers			308			
		220	Postsecondary teachers		100.000	308	1
147	Theology teachers			2,616			
		220	Postsecondary teachers		100.000	2,616	1
148	Trade and industrial teachers			1,270			
		220	Postsecondary teachers		100.000	1,270	1

Table 3. 1990 Census EEO File Occupation Categories and Their Redistribution into the Census 2000 EEO File Occupation Categories

1990 Census Codes and Categories			Census 2000 Codes and Categories	1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
149	Home economics teachers			593			
		220	Postsecondary teachers		100.000	593	1
153	Teachers, postsecondary, n.e.c.			13,455			
		220	Postsecondary teachers		81.818	11,009	
		234	Other teachers and instructors		18.182	2,446	
154	Postsecondary teachers, subject not specified			615,068			
		220	Postsecondary teachers		93.157	572,979	3
		234	Other teachers and instructors		6.843	42,089	
155	Teachers, prekindergarten and kindergarten			269,330			
		230	Preschool and kindergarten teachers		100.000	269,330	1
156	Teachers, elementary school			3,024,189			
		231	Elementary and middle school teachers		98.795	2,987,753	2
		233	Special education teachers		0.602	18,218	
		272	Athletes, coaches, umpires, and related workers		0.602	18,218	
157	Teachers, secondary school			624,400			
		231	Elementary and middle school teachers		17.182	107,285	
		232	Secondary school teachers		75.945	474,201	
		233	Special education teachers		0.344	2,146	
		234	Other teachers and instructors		5.498	34,331	
		254	Teacher assistants		0.344	2,146	
		272	Athletes, coaches, umpires, and related workers		0.687	4,291	
158	Teachers, special education			62,216			
		233	Special education teachers		82.692	51,448	
		234	Other teachers and instructors		17.308	10,768	
159	Teachers, n.e.c.			579,391			
		200	Counselors		1.463	8,474	
		202	Miscellaneous community and social service specialists		0.183	1,059	
		220	Postsecondary teachers		29.250	169,475	
		231	Elementary and middle school teachers		1.828	10,592	
		232	Secondary school teachers		3.473	20,125	
		234	Other teachers and instructors		40.768	236,205	
		255	Other education, training, and library workers		5.302	30,717	
		272	Athletes, coaches, umpires, and related workers		7.313	42,369	
		462	Recreation and fitness workers		10.420	60,375	
163	Counselors, educational and vocational			238,533			
		200	Counselors		100.000	238,533	1
164	Librarians			200,881			
		243	Librarians		100.000	200,881	1
165	Archivists and curators			27,575			
		240	Archivists, curators, and museum technicians		100.000	27,575	1
166	Economists			152,237			
		180	Economists		21.875	33,302	
		181	Market and survey researchers		78.125	118,935	

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1990 Census Codes and Categories			Census 2000 Codes and Categories	1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
167	Psychologists			191,962			
		182	Psychologists		82.682	158,717	
		200	Counselors		16.201	31,100	
		201	Social workers		1.117	2,145	
168	Sociologists			2,211			
		(186)	Miscellaneous social scientists and related workers, including sociologists		100.000	2,211	1
169	Social scientists, n.e.c.			20,297			
		(186)	Miscellaneous social scientists and related workers, including sociologists		98.462	19,985	2
		(196)	Miscellaneous life, physical, and social science technicians		1.538	312	
173	Urban planners			18,531			
		184	Urban and regional planners		100.000	18,531	1
174	Social workers			658,919			
		042	Social and community service managers		2.146	14,140	
		200	Counselors		22.318	147,055	
		201	Social workers		57.511	378,949	
		202	Miscellaneous community and social service specialists		18.026	118,775	
175	Recreation workers			50,779			
		200	Counselors		7.874	3,998	
		202	Miscellaneous community and social service specialists		1.575	800	
		462	Recreation and fitness workers		90.551	45,981	3
176	Clergy			324,889			
		204	Clergy		98.925	321,396	2
		205	Directors, religious activities and education		1.075	3,493	
177	Religious workers, n.e.c.			98,807			
		042	Social and community service managers		0.676	668	
		204	Clergy		18.243	18,026	
		205	Directors, religious activities and education		37.838	37,386	
		206	Religious workers, all other		43.243	42,727	
178	Lawyers			747,077			
		210	Lawyers		93.333	697,272	3
		211	Judges, magistrates, and other judicial workers		0.952	7,115	
		214	Paralegals and legal assistants		0.476	3,558	
		215	Miscellaneous legal support workers		5.238	39,133	
179	Judges			32,394			
		211	Judges, magistrates, and other judicial workers		100.000	32,394	1
183	Authors			106,730			
		284	Technical writers		6.316	6,741	
		285	Writers and authors		93.684	99,989	3
184	Technical writers			74,292			
		283	Editors		8.000	5,943	
		284	Technical writers		92.000	68,349	3
185	Designers			596,802			
		260	Artists and related workers		4.641	27,700	

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1990 Census Codes and Categories				1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
		Census 2000 Codes and Categories					
		263	Designers		94.937	566,584	3
		775	Miscellaneous assemblers and fabricators		0.422	2,518	
186	Musicians and composers			148,020			
		275	Musicians, singers, and related workers		100.000	148,020	1
187	Actors and directors			109,573			
		006	Public relations managers		1.667	1,826	
		270	Actors		32.778	35,916	
		271	Producers and directors		61.111	66,961	
		276	Entertainers and performers, sports and related workers, all other		0.556	609	
		280	Announcers		3.333	3,652	
		283	Editors		0.556	609	
188	Painters, sculptors, craft-artists, and artist printmakers			212,762			
		260	Artists and related workers		78.341	166,680	
		263	Designers		20.737	44,121	
		881	Painting workers		0.922	1,961	
189	Photographers			143,520			
		260	Artists and related workers		1.667	2,392	
		291	Photographers		76.667	110,032	
		292	Television, video, and motion picture camera operators and editors		18.333	26,312	
		825	Prepress technicians and workers		3.333	4,784	
193	Dancers			21,913			
		274	Dancers and choreographers		99.351	21,771	2
		275	Musicians, singers, and related workers		0.649	142	
194	Artists, performers, and related workers, n.e.c.			93,421			
		220	Postsecondary teachers		3.614	3,377	
		234	Other teachers and instructors		5.422	5,065	
		260	Artists and related workers		10.241	9,567	
		271	Producers and directors		7.229	6,753	
		276	Entertainers and performers, sports and related workers, all other		17.470	16,321	
		280	Announcers		2.410	2,251	
		286	Miscellaneous media and communication workers		34.940	32,641	
		(290)	Broadcast & sound engineering technicians & radio operators & other media & communication equipment workers		1.807	1,688	
		434	Animal trainers		15.060	14,069	
		465	Personal care and service workers, all other		1.807	1,688	
195	Editors and reporters			266,543			
		281	News analysts, reporters and correspondents		32.558	86,781	
		283	Editors		55.814	148,768	
		285	Writers and authors		9.767	26,034	
		292	Television, video, and motion picture camera operators and editors		1.395	3,719	
		583	Desktop publishers		0.465	1,240	
197	Public relations specialists			167,568			
		004	Advertising and promotions managers		2.778	4,655	

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1990 Census Codes and Categories		Census 2000 Codes and Categories		1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
		006	Public relations managers		17.778	29,790	
		062	Human resources, training, and labor relations specialists		1.111	1,862	
		282	Public relations specialists		72.222	121,021	
		285	Writers and authors		4.444	7,447	
		351	Medical records and health information technicians		0.556	931	
		480	Advertising sales agents		1.111	1,862	
198	Announcers			60,269			
		280	Announcers		100.000	60,269	1
199	Athletes			81,854			
		272	Athletes, coaches, umpires, and related workers		77.987	63,836	
		354	Other healthcare practitioners and technical occupations		13.208	10,811	
		435	Nonfarm animal caretakers		0.629	515	
		462	Recreation and fitness workers		3.145	2,574	
		(762)	Other installation, maintenance, and repair workers, including commercial divers & signal & track switch repairers		5.031	4,118	
203	Clinical laboratory technologists and technicians			329,892			
		330	Clinical laboratory technologists and technicians		77.778	256,583	
		332	Diagnostic related technologists and technicians		3.889	12,829	
		365	Medical assistants and other healthcare support occupations		18.333	60,480	
204	Dental hygienists			72,394			
		331	Dental hygienists		100.000	72,394	1
205	Health record technologists and technicians			55,764			
		351	Medical records and health information technicians		100.000	55,764	1
206	Radiologic technicians			130,383			
		320	Radiation therapists		3.627	4,729	
		332	Diagnostic related technologists and technicians		96.373	125,654	2
207	Licensed practical nurses			429,473			
		350	Licensed practical and licensed vocational nurses		100.000	429,473	1
208	Health technologists and technicians, n.e.c.			411,191			
		(196)	Miscellaneous life, physical, and social science technicians		1.327	5,458	
		202	Miscellaneous community and social service specialists		0.442	1,819	
		220	Postsecondary teachers		0.885	3,639	
		311	Physician assistants		0.885	3,639	
		330	Clinical laboratory technologists and technicians		5.310	21,833	
		332	Diagnostic related technologists and technicians		6.637	27,291	
		340	Emergency medical technicians and paramedics		30.088	123,721	
		341	Health diagnosing and treating practitioner support technicians		19.027	78,235	
		353	Miscellaneous health technologists and technicians		5.752	23,653	
		354	Other healthcare practitioners and technical occupations		6.195	25,472	
		362	Physical therapist assistants and aides		1.327	5,458	
		365	Medical assistants and other healthcare support occupations		20.354	83,694	
		876	Medical, dental, and ophthalmic laboratory technicians		1.770	7,278	
213	Electrical and electronic technicians			401,463			

Table 3. 1990 Census EEO File Occupation Categories and Their Redistribution into the Census 2000 EEO File Occupation Categories

1990 Census Codes and Categories		Census 2000 Codes and Categories		1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
		100	Computer scientists and systems analysts		7.042	28,272	
		155	Engineering technicians, except drafters		89.437	359,055	
		286	Miscellaneous media and communication workers		1.408	5,654	
		743	Precision instrument and equipment repairers		2.113	8,482	
214	Industrial engineering technicians			15,324			
		155	Engineering technicians, except drafters		100.000	15,324	1
215	Mechanical engineering technicians			30,109			
		155	Engineering technicians, except drafters		100.000	30,109	1
216	Engineering technicians, n.e.c.			239,680			
		131	Surveyors, cartographers, and photogrammetrists		1.527	3,659	
		155	Engineering technicians, except drafters		76.336	182,962	
		(196)	Miscellaneous life, physical, and social science technicians		11.450	27,444	
		284	Technical writers		0.763	1,830	
		(290)	Broadcast & sound engineering technicians & radio operators & other media & communication equipment workers		8.397	20,126	
		292	Television, video, and motion picture camera operators and editors		1.527	3,659	
217	Drafting occupations			324,764			
		130	Architects, except naval		3.165	10,277	
		131	Surveyors, cartographers, and photogrammetrists		4.430	14,388	
		154	Drafters		88.608	287,766	
		156	Surveying and mapping technicians		0.633	2,055	
		260	Artists and related workers		3.165	10,277	
218	Surveying and mapping technicians			93,095			
		131	Surveyors, cartographers, and photogrammetrists		19.553	18,203	
		156	Surveying and mapping technicians		80.447	74,892	
223	Biological technicians			56,723			
		190	Agricultural and food science technicians		36.782	20,864	
		191	Biological technicians		28.736	16,300	
		192	Chemical technicians		12.644	7,172	
		(196)	Miscellaneous life, physical, and social science technicians		11.494	6,520	
		341	Health diagnosing and treating practitioner support technicians		10.345	5,868	
224	Chemical technicians			76,639			
		155	Engineering technicians, except drafters		2.878	2,205	
		172	Chemists and materials scientists		4.317	3,308	
		190	Agricultural and food science technicians		2.878	2,205	
		192	Chemical technicians		85.612	65,612	
		193	Geological and petroleum technicians		4.317	3,308	
225	Science technicians, n.e.c.			75,626			
		155	Engineering technicians, except drafters		64.167	48,527	
		192	Chemical technicians		4.167	3,151	
		193	Geological and petroleum technicians		11.667	8,823	
		(196)	Miscellaneous life, physical, and social science technicians		20.000	15,125	
226	Airplane pilots and navigators			109,826			

Table 3. 1990 Census EEO File Occupation Categories and Their Redistribution into the Census 2000 EEO File Occupation Categories

1990 Census Codes and Categories		Census 2000 Codes and Categories		1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
		903	Aircraft pilots and flight engineers		100.000	109,826	1
227	Air traffic controllers			47,163			
		904	Air traffic controllers and airfield operations specialists		100.000	47,163	1
228	Broadcast equipment operators			35,519			
		(290)	Broadcast & sound engineering technicians & radio operators & other media & communication equipment workers		86.486	30,719	
		292	Television, video, and motion picture camera operators and editors		0.901	320	
		503	Communications equipment operators, all other		3.604	1,280	
		552	Dispatchers		9.009	3,200	
229	Computer programmers			662,759			
		101	Computer programmers		100.000	662,759	1
233	Tool programmers, numerical control			3,670			
		790	Computer control programmers and operators		100.000	3,670	1
234	Legal assistants			258,152			
		214	Paralegals and legal assistants		51.351	132,565	
		215	Miscellaneous legal support workers		47.297	122,099	
		593	Office and administrative support workers, all other		1.351	3,489	
235	Technicians, n.e.c.			527,799			
		155	Engineering technicians, except drafters		4.918	25,957	
		176	Physical scientists, all other		1.639	8,652	
		181	Market and survey researchers		1.639	8,652	
		184	Urban and regional planners		1.639	8,652	
		(196)	Miscellaneous life, physical, and social science technicians		59.016	311,488	
		244	Library Technicians		3.279	17,305	
		260	Artists and related workers		11.475	60,567	
		(290)	Broadcast & sound engineering technicians & radio operators & other media & communication equipment workers		8.197	43,262	
		332	Diagnostic related technologists and technicians		3.279	17,305	
		875	Jewelers and precious stone and metal workers		4.918	25,957	
243	Supervisors and proprietors, sales occupations			3,451,461			
		012	Financial managers		1.142	39,400	
		041	Property, real estate, and community association managers		0.457	15,760	
		043	Managers, all other		3.425	118,201	
		052	Wholesale and retail buyers, except farm products		1.598	55,160	
		401	First-line supervisors/managers of food preparation and serving workers		0.228	7,880	
		470	First-line supervisors/managers of retail sales workers		56.393	1,946,372	
		471	First-line supervisors/managers of non-retail sales workers		13.470	464,923	
		476	Retail salespersons		5.251	181,241	
		482	Securities, commodities, and financial services sales agents		0.457	15,760	
		484	Sales representatives, services, all other		0.228	7,880	
		485	Sales representatives, wholesale and manufacturing		3.425	118,201	
		495	Door-to-door sales workers, news and street vendors, and related workers		0.457	15,760	
		496	Sales and related workers, all other		0.913	31,520	

Table 3. 1990 Census EEO File Occupation Categories and Their Redistribution into the Census 2000 EEO File Occupation Categories

1990 Census Codes and Categories		Census 2000 Codes and Categories		1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
		500	First-line supervisors/managers of office and administrative support workers		6.621	228,521	
		770	First-line supervisors/managers of production and operating workers		3.196	110,321	
		780	Bakers		0.228	7,880	
		900	Supervisors, transportation and material moving workers		2.055	70,920	
		913	Driver/sales workers and truck drivers		0.457	15,760	
253	Insurance sales occupations			666,542			
		054	Claims adjusters, appraisers, examiners, and investigators		13.274	88,479	
		085	Personal financial advisors		3.982	26,544	
		086	Insurance underwriters		1.770	11,797	
		220	Postsecondary teachers		1.327	8,848	
		481	Insurance sales agents		76.991	513,178	
		494	Telemarketers		0.885	5,899	
		496	Sales and related workers, all other		0.885	5,899	
		510	Bill and account collectors		0.885	5,899	
254	Real estate sales occupations			801,238			
		081	Appraisers and assessors of real estate		10.573	84,712	
		085	Personal financial advisors		0.881	7,059	
		492	Real estate brokers and sales agents		85.903	688,288	
		496	Sales and related workers, all other		2.643	21,178	
255	Securities and financial services sales occupations			297,548			
		084	Financial analysts		2.516	7,485	
		085	Personal financial advisors		18.868	56,141	
		482	Securities, commodities, and financial services sales agents		75.472	224,565	
		496	Sales and related workers, all other		3.145	9,357	
256	Advertising and related sales occupations			174,065			
		053	Purchasing agents, except wholesale, retail, and farm products		1.613	2,808	
		480	Advertising sales agents		96.237	167,514	2
		496	Sales and related workers, all other		2.151	3,743	
257	Sales occupations, other business services			549,247			
		476	Retail salespersons		1.402	7,700	
		484	Sales representatives, services, all other		74.766	410,652	
		485	Sales representatives, wholesale and manufacturing		11.682	64,164	
		494	Telemarketers		9.813	53,898	
		524	Customer service representatives		2.336	12,833	
258	Sales engineers			43,616			
		493	Sales engineers		100.000	43,616	1
259	Sales representatives, mining, manufacturing, and wholesale			1,527,816			
		073	Other business operations specialists		1.581	24,155	
		475	Parts salespersons		5.138	78,504	
		484	Sales representatives, services, all other		2.372	36,233	
		485	Sales representatives, wholesale and manufacturing		76.680	1,171,527	
		496	Sales and related workers, all other		13.834	211,358	
		913	Driver/sales workers and truck drivers		0.395	6,039	

Table 3. 1990 Census EEO File Occupation Categories and Their Redistribution into the Census 2000 EEO File Occupation Categories

1990 Census Codes and Categories				1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
		Census 2000 Codes and Categories					
263	Sales workers, motor vehicles and boats			352,279			
		470	First-line supervisors/managers of retail sales workers		2.286	8,052	
		474	Counter and rental clerks		0.571	2,013	
		476	Retail salespersons		95.429	336,175	2
		485	Sales representatives, wholesale and manufacturing		1.714	6,039	
264	Sales workers, apparel			444,577			
		476	Retail salespersons		100.000	444,577	1
265	Sales workers, shoes			117,767			
		476	Retail salespersons		100.000	117,767	1
266	Sales workers, furniture and home furnishings			187,120			
		476	Retail salespersons		99.390	185,979	2
		484	Sales representatives, services, all other		0.610	1,141	
267	Sales workers; radio, TV, hi-fi, and appliances			170,872			
		476	Retail salespersons		100.000	170,872	1
268	Sales workers, hardware and building supplies			175,187			
		476	Retail salespersons		100.000	175,187	1
269	Sales workers, parts			132,093			
		475	Parts salespersons		100.000	132,093	1
274	Sales workers, other commodities			1,857,857			
		353	Miscellaneous health technologists and technicians		0.241	4,477	
		406	Counter attendants, cafeteria, food concession, and coffee shop		3.614	67,151	
		472	Cashiers		0.482	8,954	
		474	Counter and rental clerks		2.410	44,768	
		475	Parts salespersons		1.205	22,384	
		476	Retail salespersons		78.554	1,459,425	
		482	Securities, commodities, and financial services sales agents		0.723	13,430	
		484	Sales representatives, services, all other		1.205	22,384	
		485	Sales representatives, wholesale and manufacturing		3.133	58,198	
		494	Telemarketers		5.301	98,489	
		495	Door-to-door sales workers, news and street vendors, and related workers		0.482	8,954	
		496	Sales and related workers, all other		2.651	49,244	
275	Sales counter clerks			210,073			
		470	First-line supervisors/managers of retail sales workers		0.667	1,400	
		474	Counter and rental clerks		82.667	173,660	
		476	Retail salespersons		8.667	18,206	
		770	First-line supervisors/managers of production and operating workers		8.000	16,806	
276	Cashiers			2,855,680			
		365	Medical assistants and other healthcare support occupations		3.383	96,621	
		472	Cashiers		75.940	2,168,599	
		476	Retail salespersons		20.301	579,725	
		513	Gaming cage workers		0.376	10,736	
277	Street and door-to-door sales workers			230,927			
		412	Food servers, nonrestaurant		1.053	2,431	

Table 3. 1990 Census EEO File Occupation Categories and Their Redistribution into the Census 2000 EEO File Occupation Categories

1990 Census Codes and Categories				1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
		Census 2000 Codes and Categories					
		490	Models, demonstrators, and product promoters		3.158	7,292	
		494	Telemarketers		37.895	87,509	
		495	Door-to-door sales workers, news and street vendors, and related workers		38.947	89,940	
		496	Sales and related workers, all other		18.947	43,755	
278	News vendors			113,849			
		495	Door-to-door sales workers, news and street vendors, and related workers		83.523	95,090	
		913	Driver/sales workers and truck drivers		16.477	18,759	
283	Demonstrators, promoters and models, sales			45,265			
		490	Models, demonstrators, and product promoters		98.621	44,641	2
		496	Sales and related workers, all other		1.379	624	
284	Auctioneers			8,372			
		496	Sales and related workers, all other		100.000	8,372	1
285	Sales support occupations, n.e.c.			19,318			
		260	Artists and related workers		6.897	1,332	
		496	Sales and related workers, all other		89.655	17,320	
		875	Jewelers and precious stone and metal workers		3.448	666	
303	Supervisors, general office			579,625			
		500	First-line supervisors/managers of office and administrative support workers		94.690	548,848	3
		570	Secretaries and administrative assistants		5.310	30,777	
304	Supervisors, computer equipment operators			34,548			
		500	First-line supervisors/managers of office and administrative support workers		100.000	34,548	1
305	Supervisors, financial records processing			110,386			
		500	First-line supervisors/managers of office and administrative support workers		100.000	110,386	1
306	Chief communications operators			4,373			
		500	First-line supervisors/managers of office and administrative support workers		100.000	4,373	1
307	Supervisors; distribution, scheduling, and adjusting clerks			195,394			
		500	First-line supervisors/managers of office and administrative support workers		96.154	187,879	2
		770	First-line supervisors/managers of production and operating workers		3.846	7,515	
308	Computer operators			660,318			
		580	Computer operators		100.000	660,318	1
309	Peripheral equipment operators			6,895			
		580	Computer operators		92.958	6,409	3
		590	Office machine operators, except computer		7.042	486	
313	Secretaries			4,018,671			
		500	First-line supervisors/managers of office and administrative support workers		1.439	57,823	
		570	Secretaries and administrative assistants		98.561	3,960,848	2
314	Stenographers			79,880			
		215	Miscellaneous legal support workers		68.786	54,946	
		365	Medical assistants and other healthcare support occupations		16.763	13,390	
		593	Office and administrative support workers, all other		14.451	11,543	
315	Typists			662,775			
		582	Word processors and typists		99.315	658,235	2
		583	Desktop publishers		0.685	4,540	

Table 3. 1990 Census EEO File Occupation Categories and Their Redistribution into the Census 2000 EEO File Occupation Categories

1990 Census Codes and Categories				1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
		Census 2000 Codes and Categories					
316	Interviewers			205,958			
		523	Credit authorizers, checkers, and clerks		7.345	15,127	
		531	Interviewers, except eligibility and loan		87.006	179,195	
		534	New accounts clerks		5.650	11,636	
317	Hotel clerks			96,390			
		530	Hotel, motel, and resort desk clerks		83.030	80,033	
		541	Reservation and transportation ticket agents and travel clerks		16.970	16,357	
318	Transportation ticket and reservation agents			269,951			
		472	Cashiers		1.835	4,953	
		483	Travel agents		45.413	122,592	
		484	Sales representatives, services, all other		1.835	4,953	
		494	Telemarketers		0.917	2,477	
		541	Reservation and transportation ticket agents and travel clerks		49.541	133,737	
		593	Office and administrative support workers, all other		0.459	1,238	
319	Receptionists			822,093			
		531	Interviewers, except eligibility and loan		4.324	35,550	
		540	Receptionists and information clerks		95.676	786,543	2
323	Information clerks, n.e.c.			184,254			
		072	Meeting and convention planners		1.504	2,771	
		104	Computer support specialists		0.752	1,385	
		524	Customer service representatives		5.263	9,698	
		533	Loan interviewers and clerks		1.504	2,771	
		540	Receptionists and information clerks		90.226	166,244	3
		563	Weighers, measurers, checkers, and samplers, recordkeeping		0.752	1,385	
325	Classified-ad clerks			5,282			
		(535)	Correspondence clerks and order clerks		100.000	5,282	1
326	Correspondence clerks			12,521			
		(535)	Correspondence clerks and order clerks		100.000	12,521	1
327	Order clerks			229,122			
		524	Customer service representatives		42.857	98,195	
		(535)	Correspondence clerks and order clerks		50.857	116,525	
		562	Stock clerks and order fillers		6.286	14,402	
328	Personnel clerks, except payroll and timekeeping			80,893			
		536	Human resources assistants, except payroll and timekeeping		70.588	57,101	
		584	Insurance claims and policy processing clerks		29.412	23,792	
329	Library clerks			150,475			
		244	Library Technicians		27.059	40,717	
		532	Library assistants, clerical		72.941	109,758	
335	File clerks			267,946			
		526	File Clerks		100.000	267,946	1
336	Records clerks			137,972			
		054	Claims adjusters, appraisers, examiners, and investigators		0.671	926	
		086	Insurance underwriters		3.356	4,630	

Table 3. 1990 Census EEO File Occupation Categories and Their Redistribution into the Census 2000 EEO File Occupation Categories

1990 Census Codes and Categories		Census 2000 Codes and Categories		1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
		511	Billing and posting clerks and machine operators		5.369	7,408	
		520	Brokerage clerks		4.698	6,482	
		524	Customer service representatives		6.040	8,334	
		526	File Clerks		42.282	58,337	
		536	Human resources assistants, except payroll and timekeeping		1.342	1,852	
		542	Information and record clerks, all other		21.477	29,632	
		562	Stock clerks and order fillers		0.671	926	
		563	Weighers, measurers, checkers, and samplers, recordkeeping		0.671	926	
		570	Secretaries and administrative assistants		0.671	926	
		584	Insurance claims and policy processing clerks		6.711	9,260	
		591	Proofreaders and copy markers		0.671	926	
		593	Office and administrative support workers, all other		5.369	7,408	
337	Bookkeepers, accounting, and auditing clerks			1,921,952			
		510	Bill and account collectors		2.500	48,049	
		511	Billing and posting clerks and machine operators		3.750	72,073	
		512	Bookkeeping, accounting, and auditing clerks		92.917	1,785,814	3
		526	File Clerks		0.833	16,016	
338	Payroll and timekeeping clerks			179,480			
		514	Payroll and timekeeping clerks		100.000	179,480	1
339	Billing clerks			168,476			
		511	Billing and posting clerks and machine operators		100.000	168,476	1
343	Cost and rate clerks			78,267			
		511	Billing and posting clerks and machine operators		100.000	78,267	1
344	Billing, posting, and calculating machine operators			53,354			
		511	Billing and posting clerks and machine operators		55.714	29,726	
		590	Office machine operators, except computer		44.286	23,628	
345	Duplicating machine operators			27,866			
		590	Office machine operators, except computer		100.000	27,866	1
346	Mail preparing and paper handling machine operators			6,196			
		585	Mail clerks and mail machine operators, except postal service		100.000	6,196	1
347	Office machine operators, n.e.c.			34,726			
		590	Office machine operators, except computer		100.000	34,726	1
348	Telephone operators			233,257			
		501	Switchboard operators, including answering service		40.782	95,127	
		502	Telephone operators		59.218	138,130	
353	Communications equipment operators, n.e.c.			10,858			
		501	Switchboard operators, including answering service		43.750	4,750	
		502	Telephone operators		11.458	1,244	
		503	Communications equipment operators, all other		28.125	3,054	
		590	Office machine operators, except computer		4.167	452	
		920	Locomotive engineers and operators		12.500	1,357	
354	Postal clerks, exc. mail carriers			350,565			
		554	Postal service clerks		54.054	189,495	

Table 3. 1990 Census EEO File Occupation Categories and Their Redistribution into the Census 2000 EEO File Occupation Categories

1990 Census Codes and Categories		Census 2000 Codes and Categories		1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
		555	Postal service mail carriers		0.541	1,895	
		556	Postal service mail sorters, processors, and processing machine operators		42.162	147,806	
		590	Office machine operators, except computer		3.243	11,370	
355	Mail carriers, postal service			328,241			
		555	Postal service mail carriers		100.000	328,241	1
356	Mail clerks, exc. postal service			211,709			
		551	Couriers and messengers		4.403	9,321	
		585	Mail clerks and mail machine operators, except postal service		95.597	202,388	2
357	Messengers			142,762			
		496	Sales and related workers, all other		1.299	1,854	
		551	Couriers and messengers		98.052	139,981	2
		585	Mail clerks and mail machine operators, except postal service		0.649	927	
359	Dispatchers			204,947			
		552	Dispatchers		99.187	203,281	2
		770	First-line supervisors/managers of production and operating workers		0.813	1,666	
363	Production coordinators			252,659			
		552	Dispatchers		2.857	7,219	
		560	Production, planning, and expediting clerks		97.143	245,440	2
364	Traffic, shipping, and receiving clerks			648,602			
		524	Customer service representatives		7.111	46,123	
		541	Reservation and transportation ticket agents and travel clerks		0.444	2,883	
		550	Cargo and freight agents		5.333	34,592	
		561	Shipping, receiving, and traffic clerks		87.111	565,004	
365	Stock and inventory clerks			711,772			
		403	Food preparation workers		0.985	7,013	
		500	First-line supervisors/managers of office and administrative support workers		2.463	17,531	
		515	Procurement clerks		5.419	38,569	
		(535)	Correspondence clerks and order clerks		1.478	10,519	
		562	Stock clerks and order fillers		87.192	620,609	
		563	Weighers, measurers, checkers, and samplers, recordkeeping		2.463	17,531	
366	Meter readers			49,536			
		553	Meter readers, utilities		100.000	49,536	1
368	Weighers, measurers, checkers and samplers			80,746			
		(535)	Correspondence clerks and order clerks		7.692	6,211	
		563	Weighers, measurers, checkers, and samplers, recordkeeping		85.470	69,014	
		874	Inspectors, testers, sorters, samplers, and weighers		3.419	2,761	
		(896)	Other production workers		3.419	2,761	
373	Expediters			238,789			
		524	Customer service representatives		55.844	133,350	
		560	Production, planning, and expediting clerks		44.156	105,439	
374	Material recording, scheduling, and distributing clerks, n.e.c.			33,855			
		524	Customer service representatives		2.899	981	
		(535)	Correspondence clerks and order clerks		1.449	491	

Table 3. 1990 Census EEO File Occupation Categories and Their Redistribution into the Census 2000 EEO File Occupation Categories

1990 Census Codes and Categories		Census 2000 Codes and Categories		1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
		552	Dispatchers		1.449	491	
		560	Production, planning, and expediting clerks		21.739	7,360	
		562	Stock clerks and order fillers		63.768	21,589	
		593	Office and administrative support workers, all other		8.696	2,944	
375	Insurance adjusters, examiners, and investigators			344,639			
		054	Claims adjusters, appraisers, examiners, and investigators		75.978	261,849	
		584	Insurance claims and policy processing clerks		24.022	82,790	
376	Investigators and adjusters, except insurance			581,830			
		054	Claims adjusters, appraisers, examiners, and investigators		1.970	11,465	
		062	Human resources, training, and labor relations specialists		1.478	8,598	
		091	Loan counselors and officers		0.985	5,732	
		391	Private detectives and investigators		0.493	2,866	
		523	Credit authorizers, checkers, and clerks		7.389	42,992	
		524	Customer service representatives		74.384	432,790	
		525	Eligibility interviewers, government programs		0.493	2,866	
		533	Loan interviewers and clerks		8.867	51,591	
		542	Information and record clerks, all other		0.493	2,866	
		586	Office clerks, general		0.985	5,732	
		593	Office and administrative support workers, all other		2.463	14,331	
377	Eligibility clerks, social welfare			49,506			
		202	Miscellaneous community and social service specialists		1.250	619	
		511	Billing and posting clerks and machine operators		1.250	619	
		525	Eligibility interviewers, government programs		68.750	34,035	
		584	Insurance claims and policy processing clerks		28.750	14,233	
378	Bill and account collectors			163,112			
		484	Sales representatives, services, all other		0.658	1,073	
		510	Bill and account collectors		99.342	162,039	2
379	General office clerks			1,491,116			
		254	Teacher assistants		0.664	9,908	
		500	First-line supervisors/managers of office and administrative support workers		1.661	24,769	
		540	Receptionists and information clerks		2.990	44,585	
		561	Shipping, receiving, and traffic clerks		0.332	4,954	
		586	Office clerks, general		90.033	1,342,500	3
		593	Office and administrative support workers, all other		4.319	64,400	
383	Bank tellers			509,023			
		472	Cashiers		2.367	12,048	
		516	Tellers		97.633	496,975	2
384	Proofreaders			30,326			
		591	Proofreaders and copy markers		100.000	30,326	1
385	Data-entry keyers			639,265			
		503	Communications equipment operators, all other		1.070	6,837	
		581	Data entry keyers		98.930	632,428	2
386	Statistical clerks			148,578			

Table 3. 1990 Census EEO File Occupation Categories and Their Redistribution into the Census 2000 EEO File Occupation Categories

1990 Census Codes and Categories		Census 2000 Codes and Categories		1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
		351	Medical records and health information technicians		55.556	82,543	
		512	Bookkeeping, accounting, and auditing clerks		6.481	9,630	
		592	Statistical assistants		37.963	56,405	
387	Teachers' aides			275,543			
		254	Teacher assistants		100.000	275,543	1
389	Administrative support occupations, n.e.c.			688,288			
		286	Miscellaneous media and communication workers		0.461	3,172	
		365	Medical assistants and other healthcare support occupations		3.687	25,375	
		522	Court, municipal, and license clerks		13.825	95,155	
		523	Credit authorizers, checkers, and clerks		0.922	6,344	
		524	Customer service representatives		0.461	3,172	
		533	Loan interviewers and clerks		3.226	22,203	
		541	Reservation and transportation ticket agents and travel clerks		1.843	12,687	
		586	Office clerks, general		14.286	98,327	
		593	Office and administrative support workers, all other		52.535	361,589	
		(896)	Other production workers		4.147	28,547	
		964	Packers and packagers, hand		4.608	31,718	
403	Launderers and ironers			1,687			
		830	Laundry and dry-cleaning workers		16.901	285	
		831	Pressers, textile, garment, and related materials		83.099	1,402	
404	Cooks, private household			9,212			
		402	Cooks		100.000	9,212	1
405	Housekeepers and butlers			34,416			
		401	First-line supervisors/managers of food preparation and serving workers		1.031	355	
		420	First-line supervisors/managers of housekeeping and janitorial workers		1.031	355	
		423	Maids and housekeeping cleaners		68.041	23,417	
		432	First-line supervisors/managers of personal service workers		1.031	355	
		465	Personal care and service workers, all other		28.866	9,935	
406	Child care workers, private household			164,252			
		460	Child care workers		100.000	164,252	1
407	Private household cleaners and servants			354,351			
		402	Cooks		1.967	6,971	
		422	Janitors and building cleaners		4.262	15,103	
		423	Maids and housekeeping cleaners		82.623	292,775	
		461	Personal and home care aides		10.164	36,016	
		465	Personal care and service workers, all other		0.656	2,324	
		551	Couriers and messengers		0.328	1,162	
413	Supervisors, firefighting and fire prevention occupations			29,298			
		372	First-line supervisors/managers of fire fighting and prevention workers		82.692	24,227	
		374	Fire fighters		2.885	845	
		375	Fire inspectors		14.423	4,226	
414	Supervisors, police and detectives			61,222			
		370	First-line supervisors/managers of correctional officers		10.303	6,308	

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1990 Census Codes and Categories		Census 2000 Codes and Categories		1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
		371	First-line supervisors/managers of police and detectives		80.000	48,978	
		(385)	Police officers		9.697	5,937	
415	Supervisors, guards			44,686			
		370	First-line supervisors/managers of correctional officers		0.671	300	
		371	First-line supervisors/managers of police and detectives		0.671	300	
		373	Supervisors, protective service workers, all other		83.893	37,488	
		380	Bailiffs, correctional officers, and jailers		2.013	900	
		392	Security guards and gaming surveillance officers		12.752	5,698	
416	Fire inspection and fire prevention occupations			16,725			
		374	Fire fighters		7.752	1,297	
		375	Fire inspectors		75.194	12,576	
		392	Security guards and gaming surveillance officers		17.054	2,852	
417	Firefighting occupations			224,761			
		372	First-line supervisors/managers of fire fighting and prevention workers		2.222	4,995	
		374	Fire fighters		95.556	214,772	3
		375	Fire inspectors		2.222	4,995	
418	Police and detectives, public service			519,184			
		093	Tax examiners, collectors, and revenue agents		0.526	2,733	
		382	Detectives and criminal investigators		22.105	114,767	
		(385)	Police officers		77.368	401,684	
423	Sheriffs, bailiffs, and other law enforcement officers			118,432			
		371	First-line supervisors/managers of police and detectives		1.266	1,499	
		380	Bailiffs, correctional officers, and jailers		37.342	44,225	
		382	Detectives and criminal investigators		1.899	2,249	
		(384)	Miscellaneous law enforcement officers		15.823	18,739	
		(385)	Police officers		36.709	43,475	
		392	Security guards and gaming surveillance officers		5.063	5,997	
		395	Lifeguards and other protective service workers		1.899	2,249	
424	Correctional institution officers			184,667			
		380	Bailiffs, correctional officers, and jailers		100.000	184,667	1
425	Crossing guards			45,313			
		392	Security guards and gaming surveillance officers		2.116	959	
		394	Crossing guards		97.884	44,354	2
426	Guards and police, exc. public service			785,511			
		(385)	Police officers		5.221	41,011	
		391	Private detectives and investigators		6.024	47,320	
		392	Security guards and gaming surveillance officers		85.542	671,943	
		395	Lifeguards and other protective service workers		1.606	12,619	
		443	Miscellaneous entertainment attendants and related workers		1.606	12,619	
427	Protective service occupations, n.e.c.			54,976			
		(384)	Miscellaneous law enforcement officers		1.538	846	
		390	Animal control workers		12.821	7,048	
		392	Security guards and gaming surveillance officers		0.513	282	

Table 3. 1990 Census EEO File Occupation Categories and Their Redistribution into the Census 2000 EEO File Occupation Categories

1990 Census Codes and Categories				1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
		Census 2000 Codes and Categories					
		395	Lifeguards and other protective service workers		82.564	45,390	
		460	Child care workers		2.564	1,410	
433	Supervisors, food preparation and service occupations			276,420			
		400	Chefs and head cooks		12.921	35,717	
		401	First-line supervisors/managers of food preparation and serving workers		59.551	164,610	
		411	Waiters and waitresses		3.933	10,870	
		415	Hosts and hostesses, restaurant, lounge, and coffee shop		21.910	60,564	
		500	First-line supervisors/managers of office and administrative support workers		1.124	3,106	
		780	Bakers		0.562	1,553	
434	Bartenders			330,710			
		404	Bartenders		100.000	330,710	1
435	Waiters and waitresses			1,488,253			
		405	Combined food preparation and serving workers, including fast food		0.476	7,087	
		411	Waiters and waitresses		99.524	1,481,166	2
436	Cooks			2,073,260			
		400	Chefs and head cooks		8.779	182,004	
		402	Cooks		72.137	1,495,596	
		403	Food preparation workers		12.214	253,223	
		405	Combined food preparation and serving workers, including fast food		4.198	87,045	
		780	Bakers		2.672	55,392	
438	Food counter, fountain and related occupations			236,480			
		403	Food preparation workers		2.890	6,835	
		405	Combined food preparation and serving workers, including fast food		10.405	24,605	
		406	Counter attendants, cafeteria, food concession, and coffee shop		61.850	146,262	
		411	Waiters and waitresses		12.717	30,073	
		412	Food servers, nonrestaurant		10.405	24,605	
		(413)	Dining room & cafeteria attendants, bartender helpers, & miscellaneous food preparation & serving related workers		1.734	4,101	
439	Kitchen workers, food preparation			211,500			
		403	Food preparation workers		52.525	111,091	
		405	Combined food preparation and serving workers, including fast food		45.960	97,205	
		781	Butchers and other meat, poultry, and fish processing workers		1.515	3,205	
443	Waiters'/waitresses' assistants			378,558			
		406	Counter attendants, cafeteria, food concession, and coffee shop		12.429	47,052	
		411	Waiters and waitresses		18.079	68,440	
		412	Food servers, nonrestaurant		9.605	36,359	
		(413)	Dining room & cafeteria attendants, bartender helpers, & miscellaneous food preparation & serving related workers		59.887	226,707	
444	Miscellaneous food preparation occupations			743,777			
		402	Cooks		11.795	87,728	
		403	Food preparation workers		27.179	202,155	
		405	Combined food preparation and serving workers, including fast food		1.538	11,443	
		412	Food servers, nonrestaurant		3.077	22,885	

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1990 Census Codes and Categories		Census 2000 Codes and Categories		1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
		(413)	Dining room & cafeteria attendants, bartender helpers, & miscellaneous food preparation & serving related workers		18.974	141,127	
		414	Dishwashers		36.410	270,811	
		415	Hosts and hostesses, restaurant, lounge, and coffee shop		1.026	7,628	
445	Dental assistants			179,287			
		364	Dental assistants		100.000	179,287	1
446	Health aides, except nursing			222,977			
		200	Counselors		6.000	13,379	
		313	Registered nurses		0.400	892	
		315	Occupational therapists		0.800	1,784	
		316	Physical therapists		4.800	10,703	
		330	Clinical laboratory technologists and technicians		9.200	20,514	
		341	Health diagnosing and treating practitioner support technicians		1.200	2,676	
		360	Nursing, psychiatric, and home health aides		4.800	10,703	
		361	Occupational therapist assistants and aides		1.600	3,568	
		362	Physical therapist assistants and aides		8.000	17,838	
		365	Medical assistants and other healthcare support occupations		53.200	118,624	
		412	Food servers, nonrestaurant		9.200	20,514	
		(915)	Miscellaneous motor vehicle operators		0.800	1,784	
447	Nursing aides, orderlies, and attendants			1,859,694			
		313	Registered nurses		1.639	30,487	
		341	Health diagnosing and treating practitioner support technicians		1.311	24,389	
		350	Licensed practical and licensed vocational nurses		8.852	164,629	
		360	Nursing, psychiatric, and home health aides		70.820	1,317,029	
		361	Occupational therapist assistants and aides		0.328	6,097	
		365	Medical assistants and other healthcare support occupations		3.934	73,168	
		460	Child care workers		2.623	48,779	
		461	Personal and home care aides		10.492	195,115	
448	Supervisors, cleaning and building service workers			167,475			
		420	First-line supervisors/managers of housekeeping and janitorial workers		96.063	160,881	2
		422	Janitors and building cleaners		3.150	5,275	
		(975)	Miscellaneous material moving workers		0.787	1,319	
449	Maids and housemen			712,789			
		422	Janitors and building cleaners		13.744	97,966	
		423	Maids and housekeeping cleaners		84.360	601,310	
		453	Baggage porters, bellhops, and concierges		1.896	13,513	
453	Janitors and cleaners			2,481,545			
		420	First-line supervisors/managers of housekeeping and janitorial workers		4.298	106,657	
		422	Janitors and building cleaners		64.470	1,599,850	
		423	Maids and housekeeping cleaners		23.209	575,946	
		453	Baggage porters, bellhops, and concierges		0.287	7,110	
		733	Industrial and refractory machinery mechanics		0.573	14,221	
		961	Cleaners of vehicles and equipment		3.725	92,436	

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1990 Census Codes and Categories				1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
		Census 2000 Codes and Categories					
		962	Laborers and freight, stock, and material movers, hand		3.438	85,325	
454	Elevator operators			11,411			
		(975)	Miscellaneous material moving workers		100.000	11,411	1
455	Pest control occupations			50,481			
		424	Pest control workers		100.000	50,481	1
456	Supervisors, personal service occupations			62,932			
		401	First-line supervisors/managers of food preparation and serving workers		2.542	1,600	
		430	First-line supervisors/managers of gaming workers		9.322	5,867	
		432	First-line supervisors/managers of personal service workers		40.678	25,599	
		442	Ushers, lobby attendants, and ticket takers		1.695	1,067	
		443	Miscellaneous entertainment attendants and related workers		5.932	3,733	
		453	Baggage porters, bellhops, and concierges		7.627	4,800	
		460	Child care workers		27.966	17,600	
		471	First-line supervisors/managers of non-retail sales workers		1.695	1,067	
		(975)	Miscellaneous material moving workers		2.542	1,600	
457	Barbers			84,626			
		220	Postsecondary teachers		0.515	436	
		450	Barbers		96.392	81,572	2
		451	Hairdressers, hairstylists, and cosmetologists		3.093	2,617	
458	Hairdressers and cosmetologists			733,576			
		220	Postsecondary teachers		1.932	14,175	
		451	Hairdressers, hairstylists, and cosmetologists		89.855	659,155	
		452	Miscellaneous personal appearance workers		8.213	60,245	
459	Attendants, amusement and recreation facilities			137,153			
		392	Security guards and gaming surveillance officers		1.899	2,604	
		430	First-line supervisors/managers of gaming workers		1.899	2,604	
		440	Gaming services workers		32.911	45,139	
		442	Ushers, lobby attendants, and ticket takers		3.797	5,208	
		443	Miscellaneous entertainment attendants and related workers		52.532	72,049	
		460	Child care workers		1.266	1,736	
		462	Recreation and fitness workers		3.797	5,208	
		474	Counter and rental clerks		1.899	2,604	
461	Guides			41,286			
		360	Nursing, psychiatric, and home health aides		12.295	5,076	
		454	Tour and travel guides		87.705	36,210	
462	Ushers			29,611			
		406	Counter attendants, cafeteria, food concession, and coffee shop		1.333	395	
		442	Ushers, lobby attendants, and ticket takers		98.667	29,216	2
463	Public transportation attendants			105,949			
		455	Transportation attendants		100.000	105,949	1
464	Baggage porters and bellhops			38,763			
		412	Food servers, nonrestaurant		17.829	6,911	
		453	Baggage porters, bellhops, and concierges		79.070	30,650	

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		455	Transportation attendants		3.101	1,202	
465	Welfare service aides			48,190			
		202	Miscellaneous community and social service specialists		59.524	28,685	
		460	Child care workers		1.190	574	
		461	Personal and home care aides		39.286	18,932	
466	Family child care providers			434,643			
		460	Child care workers		100.000	434,643	1
467	Early childhood teacher's assistants			338,928			
		254	Teacher assistants		18.966	64,279	
		460	Child care workers		81.034	274,649	
468	Child care workers, n.e.c.			211,351			
		254	Teacher assistants		7.634	16,134	
		460	Child care workers		80.916	171,017	
		464	Residential advisors		11.450	24,200	
469	Personal service occupations, n.e.c.			227,239			
		034	Lodging managers		0.532	1,209	
		280	Announcers		1.064	2,417	
		363	Massage therapists		13.830	31,427	
		365	Medical assistants and other healthcare support occupations		1.064	2,417	
		401	First-line supervisors/managers of food preparation and serving workers		1.064	2,417	
		415	Hosts and hostesses, restaurant, lounge, and coffee shop		25.000	56,810	
		420	First-line supervisors/managers of housekeeping and janitorial workers		0.532	1,209	
		422	Janitors and building cleaners		0.532	1,209	
		423	Maids and housekeeping cleaners		19.149	43,514	
		442	Ushers, lobby attendants, and ticket takers		9.574	21,757	
		443	Miscellaneous entertainment attendants and related workers		6.383	14,505	
		446	Funeral service workers		4.255	9,670	
		453	Baggage porters, bellhops, and concierges		2.660	6,044	
		454	Tour and travel guides		0.532	1,209	
		462	Recreation and fitness workers		1.064	2,417	
		464	Residential advisors		5.319	12,087	
		465	Personal care and service workers, all other		5.851	13,296	
		470	First-line supervisors/managers of retail sales workers		0.532	1,209	
		490	Models, demonstrators, and product promoters		1.064	2,417	
473	Farmers, except horticultural			795,187			
		021	Farmers and ranchers		70.792	562,929	
		425	Grounds maintenance workers		0.990	7,873	
		(605)	Miscellaneous agricultural workers, including animal breeders		28.218	224,384	
474	Horticultural specialty farmers			34,732			
		021	Farmers and ranchers		18.125	6,295	
		421	First-line supervisors/managers of landscaping, lawn service, and groundskeeping workers		5.000	1,737	
		425	Grounds maintenance workers		75.625	26,266	

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		(605)	Miscellaneous agricultural workers, including animal breeders		1.250	434	
475	Managers, farms, except horticultural			238,884			
		020	Farm, ranch, and other agricultural managers		70.000	167,219	
		600	First-line supervisors/managers of farming, fishing, and forestry workers		7.778	18,580	
		(605)	Miscellaneous agricultural workers, including animal breeders		22.222	53,085	
476	Managers, horticultural specialty farms			18,562			
		020	Farm, ranch, and other agricultural managers		55.435	10,290	
		263	Designers		4.348	807	
		421	First-line supervisors/managers of landscaping, lawn service, and groundskeeping workers		40.217	7,465	
477	Supervisors, farm workers			43,435			
		421	First-line supervisors/managers of landscaping, lawn service, and groundskeeping workers		2.632	1,143	
		600	First-line supervisors/managers of farming, fishing, and forestry workers		97.368	42,292	2
479	Farm workers			759,669			
		020	Farm, ranch, and other agricultural managers		4.870	36,997	
		425	Grounds maintenance workers		1.623	12,332	
		434	Animal trainers		3.247	24,665	
		435	Nonfarm animal caretakers		1.948	14,799	
		(605)	Miscellaneous agricultural workers, including animal breeders		87.662	665,944	
		612	Forest and conservation workers		0.325	2,466	
		854	Woodworking machine setters, operators, and tenders, except sawing		0.325	2,466	
483	Marine life cultivation workers			1,233			
		(605)	Miscellaneous agricultural workers, including animal breeders		100.000	1,233	1
484	Nursery workers			37,736			
		425	Grounds maintenance workers		6.936	2,618	
		(605)	Miscellaneous agricultural workers, including animal breeders		93.064	35,118	3
485	Supervisors, related agricultural occupations			65,607			
		020	Farm, ranch, and other agricultural managers		2.381	1,562	
		421	First-line supervisors/managers of landscaping, lawn service, and groundskeeping workers		73.016	47,904	
		425	Grounds maintenance workers		2.381	1,562	
		600	First-line supervisors/managers of farming, fishing, and forestry workers		10.317	6,769	
		(605)	Miscellaneous agricultural workers, including animal breeders		11.905	7,810	
486	Groundskeepers and gardeners, except farm			735,556			
		422	Janitors and building cleaners		1.747	12,848	
		425	Grounds maintenance workers		87.336	642,407	
		(605)	Miscellaneous agricultural workers, including animal breeders		10.917	80,301	
487	Animal caretakers, except farm			107,205			
		365	Medical assistants and other healthcare support occupations		22.892	24,541	
		435	Nonfarm animal caretakers		73.494	78,789	
		(605)	Miscellaneous agricultural workers, including animal breeders		3.614	3,875	
488	Graders and sorters, agricultural products			54,659			

Table 3. 1990 Census EEO File Occupation Categories and Their Redistribution into the Census 2000 EEO File Occupation Categories

1990 Census Codes and Categories		Census 2000 Codes and Categories		1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
		604	Graders and sorters, agricultural products		40.645	22,216	
		(605)	Miscellaneous agricultural workers, including animal breeders		47.097	25,743	
		964	Packers and packagers, hand		12.258	6,700	
489	Inspectors, agricultural products			4,315			
		601	Agricultural inspectors		76.389	3,296	
		604	Graders and sorters, agricultural products		22.222	959	
		(605)	Miscellaneous agricultural workers, including animal breeders		1.389	60	
494	Supervisors, forestry, and logging workers			12,068			
		600	First-line supervisors/managers of farming, fishing, and forestry workers		80.519	9,717	
		613	Logging workers		19.481	2,351	
495	Forestry workers, except logging			20,431			
		021	Farmers and ranchers		0.658	134	
		(196)	Miscellaneous life, physical, and social science technicians		27.632	5,645	
		612	Forest and conservation workers		71.711	14,651	
496	Timber cutting and logging occupations			115,524			
		613	Logging workers		100.000	115,524	1
497	Captains and other officers, fishing vessels			6,341			
		(610)	Fishing and hunting workers		75.862	4,810	
		931	Ship and boat captains and operators		24.138	1,531	
498	Fishers			52,152			
		020	Farm, ranch, and other agricultural managers		0.515	269	
		(605)	Miscellaneous agricultural workers, including animal breeders		1.031	538	
		(610)	Fishing and hunting workers		96.392	50,270	2
		930	Sailors and marine oilers		1.546	806	
		952	Dredge, excavating, and loading machine operators		0.515	269	
499	Hunters and trappers			2,099			
		(610)	Fishing and hunting workers		100.000	2,099	1
503	Supervisors, mechanics and repairers			270,582			
		700	First-line supervisors/managers of mechanics, installers, and repairers		99.310	268,716	2
		770	First-line supervisors/managers of production and operating workers		0.690	1,866	
505	Automobile mechanics			954,623			
		711	Electronic equipment installers and repairers, motor vehicles		1.156	11,036	
		720	Automotive service technicians and mechanics		98.266	938,069	2
		721	Bus and truck mechanics and diesel engine specialists		0.578	5,518	
506	Automobile mechanic apprentices			1,591			
		720	Automotive service technicians and mechanics		100.000	1,591	1
507	Bus, truck, and stationary engine mechanics			266,142			
		721	Bus and truck mechanics and diesel engine specialists		96.450	256,693	2
		722	Heavy vehicle and mobile equipment service technicians and mechanics		3.550	9,449	
508	Aircraft engine mechanics			134,672			
		714	Aircraft mechanics and service technicians		100.000	134,672	1
509	Small engine repairers			62,022			
		724	Small engine mechanics		100.000	62,022	1

Table 3. 1990 Census EEO File Occupation Categories and Their Redistribution into the Census 2000 EEO File Occupation Categories

1990 Census Codes and Categories			Census 2000 Codes and Categories	1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
514			Automobile body and related repairers	228,710			
		715	Automotive body and related repairers		92.661	211,924	3
		716	Automotive glass installers and repairers		7.339	16,786	
515			Aircraft mechanics, exc. engine	31,814			
		714	Aircraft mechanics and service technicians		100.000	31,814	1
516			Heavy equipment mechanics	157,495			
		722	Heavy vehicle and mobile equipment service technicians and mechanics		100.000	157,495	1
517			Farm equipment mechanics	28,609			
		722	Heavy vehicle and mobile equipment service technicians and mechanics		100.000	28,609	1
518			Industrial machinery repairers	332,779			
		733	Industrial and refractory machinery mechanics		97.297	323,785	2
		736	Millwrights		1.351	4,497	
		841	Textile knitting and weaving machine setters, operators, and tenders		1.351	4,497	
519			Machinery maintenance occupations	25,273			
		735	Maintenance workers, machinery		100.000	25,273	1
523			Electronic repairers, communications and industrial equipment	179,229			
		(290)	Broadcast & sound engineering technicians & radio operators & other media & communication equipment workers		6.289	11,272	
		635	Electricians		2.516	4,509	
		701	Computer, automated teller, and office machine repairers		2.516	4,509	
		702	Radio and telecommunications equipment installers and repairers		42.767	76,651	
		703	Avionics technicians		6.289	11,272	
		(710)	Electrical and electronics repairers, industrial, utility, & transportation equipment		4.403	7,891	
		711	Electronic equipment installers and repairers, motor vehicles		1.258	2,254	
		712	Electronic home entertainment equipment installers and repairers		14.465	25,926	
		713	Security and fire alarm systems installers		0.629	1,127	
		742	Telecommunications line installers and repairers		18.868	33,817	
525			Data processing equipment repairers	91,657			
		701	Computer, automated teller, and office machine repairers		100.000	91,657	1
526			Household appliance and power tool repairers	53,125			
		635	Electricians		1.099	584	
		704	Electric motor, power tool, and related repairers		6.593	3,503	
		731	Heating, air conditioning, and refrigeration mechanics and installers		1.099	584	
		732	Home appliance repairers		91.209	48,455	3
527			Telephone line installers and repairers	50,633			
		741	Electrical power-line installers and repairers		3.448	1,746	
		742	Telecommunications line installers and repairers		96.552	48,887	2
529			Telephone installers and repairers	190,927			
		702	Radio and telecommunications equipment installers and repairers		79.137	151,093	
		742	Telecommunications line installers and repairers		20.863	39,834	
533			Miscellaneous electrical and electronic equipment repairers	69,954			
		703	Avionics technicians		15.278	10,687	
		704	Electric motor, power tool, and related repairers		40.278	28,176	

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1990 Census Codes and Categories		Census 2000 Codes and Categories		1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
		(710)	Electrical and electronics repairers, industrial, utility, & transportation equipment		8.333	5,830	
		711	Electronic equipment installers and repairers, motor vehicles		31.944	22,346	
		743	Precision instrument and equipment repairers		1.389	972	
		(762)	Other installation, maintenance, and repair workers, including commercial divers & signal & track switch repairers		2.778	1,943	
534		Heating, air conditioning, and refrigeration mechanics		192,983			
		731	Heating, air conditioning, and refrigeration mechanics and installers		100.000	192,983	1
535		Camera, watch, and musical instrument repairers		31,097			
		743	Precision instrument and equipment repairers		100.000	31,097	1
536		Locksmiths and safe repairers		27,137			
		754	Locksmiths and safe repairers		100.000	27,137	1
538		Office machine repairers		41,888			
		701	Computer, automated teller, and office machine repairers		100.000	41,888	1
539		Mechanical controls and valve repairers		20,408			
		730	Control and valve installers and repairers		100.000	20,408	1
543		Elevator installers and repairers		25,634			
		670	Elevator installers and repairers		100.000	25,634	1
544		Millwrights		96,140			
		736	Millwrights		100.000	96,140	1
547		Specified mechanics and repairers, n.e.c.		213,949			
		683	Explosives workers, ordnance handling experts, and blasters		0.461	986	
		702	Radio and telecommunications equipment installers and repairers		2.304	4,930	
		703	Avionics technicians		0.461	986	
		704	Electric motor, power tool, and related repairers		0.461	986	
		712	Electronic home entertainment equipment installers and repairers		2.304	4,930	
		715	Automotive body and related repairers		0.461	986	
		726	Miscellaneous vehicle and mobile equipment mechanics, installers, and repairers		3.226	6,902	
		730	Control and valve installers and repairers		1.843	3,944	
		732	Home appliance repairers		1.382	2,958	
		733	Industrial and refractory machinery mechanics		8.756	18,733	
		734	Maintenance and repair workers, general		11.521	24,649	
		735	Maintenance workers, machinery		0.922	1,972	
		743	Precision instrument and equipment repairers		7.834	16,761	
		751	Coin, vending, and amusement machine servicers and repairers		6.452	13,803	
		755	Manufactured building and mobile home installers		5.069	10,845	
		756	Riggers		3.226	6,902	
		(762)	Other installation, maintenance, and repair workers, including commercial divers & signal & track switch repairers		32.258	69,016	
		775	Miscellaneous assemblers and fabricators		3.687	7,888	
		813	Tool and die makers		0.461	986	
		821	Tool grinders, filers, and sharpeners		0.461	986	
		823	Bookbinders and bindery workers		2.304	4,930	
		833	Shoe and leather workers and repairers		0.922	1,972	

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1990 Census Codes and Categories		Census 2000 Codes and Categories		1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
		851	Furniture finishers		0.922	1,972	
		876	Medical, dental, and ophthalmic laboratory technicians		0.461	986	
		962	Laborers and freight, stock, and material movers, hand		1.843	3,944	
549	Not specified mechanics and repairers			492,093			
		734	Maintenance and repair workers, general		66.667	328,062	
		735	Maintenance workers, machinery		1.754	8,633	
		(762)	Other installation, maintenance, and repair workers, including commercial divers & signal & track switch repairers		31.579	155,398	
553	Supervisors; brickmasons, stonemasons, and tile setters			12,968			
		620	First-line supervisors/managers of construction trades and extraction workers		100.000	12,968	1
554	Supervisors, carpenters and related workers			45,625			
		620	First-line supervisors/managers of construction trades and extraction workers		96.667	44,104	2
		770	First-line supervisors/managers of production and operating workers		1.667	760	
		900	Supervisors, transportation and material moving workers		1.667	760	
555	Supervisors, electricians and power transmission installers			73,556			
		620	First-line supervisors/managers of construction trades and extraction workers		91.262	67,129	3
		700	First-line supervisors/managers of mechanics, installers, and repairers		8.738	6,427	
556	Supervisors; painters, paperhangers, and plasterers			32,369			
		620	First-line supervisors/managers of construction trades and extraction workers		100.000	32,369	1
557	Supervisors; plumbers, pipefitters, and steamfitters			20,518			
		620	First-line supervisors/managers of construction trades and extraction workers		100.000	20,518	1
558	Supervisors, construction, n.e.c.			652,964			
		620	First-line supervisors/managers of construction trades and extraction workers		87.333	570,255	
		700	First-line supervisors/managers of mechanics, installers, and repairers		4.667	30,472	
		770	First-line supervisors/managers of production and operating workers		4.667	30,472	
		900	Supervisors, transportation and material moving workers		3.333	21,765	
563	Brickmasons and stonemasons			196,939			
		622	Brickmasons, blockmasons, and stonemasons		96.354	189,759	2
		624	Carpet, floor, and tile installers and finishers		3.646	7,180	
564	Brickmason and stonemason apprentices			727			
		622	Brickmasons, blockmasons, and stonemasons		100.000	727	1
565	Tile setters, hard and soft			55,642			
		624	Carpet, floor, and tile installers and finishers		100.000	55,642	1
566	Carpet installers			111,836			
		624	Carpet, floor, and tile installers and finishers		100.000	111,836	1
567	Carpenters			1,360,707			
		623	Carpenters		90.038	1,225,158	3
		624	Carpet, floor, and tile installers and finishers		2.299	31,281	
		633	Drywall installers, ceiling tile installers, and tapers		5.747	78,202	
		660	Helpers, construction trades		1.916	26,067	
569	Carpenter apprentices			4,853			
		623	Carpenters		100.000	4,853	1
573	Drywall installers			150,554			

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		633	Drywall installers, ceiling tile installers, and tapers		100.000	150,554	1
575	Electricians			635,017			
		635	Electricians		96.316	611,622	2
		713	Security and fire alarm systems installers		3.684	23,395	
576	Electrician apprentices			15,572			
		635	Electricians		100.000	15,572	1
577	Electrical power installers and repairers			120,232			
		635	Electricians		14.286	17,176	
		700	First-line supervisors/managers of mechanics, installers, and repairers		5.357	6,441	
		741	Electrical power-line installers and repairers		69.643	83,733	
		742	Telecommunications line installers and repairers		4.464	5,368	
		(762)	Other installation, maintenance, and repair workers, including commercial divers & signal & track switch repairers		6.250	7,515	
579	Painters, construction and maintenance			559,026			
		626	Construction laborers		0.803	4,490	
		642	Painters, construction and maintenance		93.574	523,105	3
		881	Painting workers		5.622	31,431	
583	Paperhangers			17,210			
		642	Painters, construction and maintenance		5.729	986	
		643	Paperhangers		94.271	16,224	3
584	Plasterers			43,109			
		646	Plasterers and stucco masons		100.000	43,109	1
585	Plumbers, pipefitters, and steamfitters			488,858			
		644	Pipelayers, plumbers, pipefitters, and steamfitters		100.000	488,858	1
587	Plumber, pipefitter, and steamfitter apprentices			6,579			
		644	Pipelayers, plumbers, pipefitters, and steamfitters		100.000	6,579	1
588	Concrete and terrazzo finishers			75,945			
		625	Cement masons, concrete finishers, and terrazzo workers		100.000	75,945	1
589	Glaziers			45,595			
		636	Glaziers		100.000	45,595	1
593	Insulation workers			74,412			
		640	Insulation workers		61.143	45,498	
		672	Hazardous materials removal workers		38.857	28,914	
594	Paving, surfacing, and tamping equipment operators			13,110			
		630	Paving, surfacing, and tamping equipment operators		94.872	12,438	3
		(632)	Miscellaneous construction equipment operators		1.282	168	
		673	Highway maintenance workers		3.846	504	
595	Roofers			197,183			
		651	Roofers		100.000	197,183	1
596	Sheetmetal duct installers			29,962			
		652	Sheet metal workers		100.000	29,962	1
597	Structural metal workers			75,338			
		(653)	Iron and steel workers		92.742	69,870	

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1990 Census Codes and Categories				1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
		Census 2000 Codes and Categories					
		774	Structural metal fabricators and fitters		4.032	3,038	
		816	Lay-out workers, metal and plastic		3.226	2,430	
598	Drillers, earth			20,491			
		682	Earth drillers, except oil and gas		100.000	20,491	1
599	Construction trades, n.e.c.			181,103			
		425	Grounds maintenance workers		0.699	1,266	
		623	Carpenters		0.699	1,266	
		624	Carpet, floor, and tile installers and finishers		1.399	2,533	
		625	Cement masons, concrete finishers, and terrazzo workers		1.399	2,533	
		626	Construction laborers		6.993	12,665	
		(632)	Miscellaneous construction equipment operators		3.497	6,332	
		644	Pipelayers, plumbers, pipefitters, and steamfitters		16.084	29,128	
		(653)	Iron and steel workers		9.790	17,730	
		660	Helpers, construction trades		2.797	5,066	
		671	Fence erectors		13.986	25,329	
		673	Highway maintenance workers		20.280	36,727	
		674	Rail-track laying and maintenance equipment operators		1.399	2,533	
		676	Miscellaneous construction and related workers		14.685	26,596	
		712	Electronic home entertainment equipment installers and repairers		1.399	2,533	
		756	Riggers		3.497	6,332	
		(896)	Other production workers		1.399	2,533	
613	Supervisors, extractive occupations			49,319			
		620	First-line supervisors/managers of construction trades and extraction workers		95.890	47,292	2
		900	Supervisors, transportation and material moving workers		4.110	2,027	
614	Drillers, oil well			37,072			
		(680)	Derrick, rotary drill, and service unit operators, and roustabouts		78.832	29,225	
		(694)	Miscellaneous extraction workers		21.168	7,847	
615	Explosives workers			9,377			
		683	Explosives workers, ordnance handling experts, and blasters		89.691	8,410	
		(896)	Other production workers		10.309	967	
616	Mining machine operators			62,318			
		682	Earth drillers, except oil and gas		5.926	3,693	
		684	Mining machine operators		88.148	54,932	
		(694)	Miscellaneous extraction workers		5.926	3,693	
617	Mining occupations, n.e.c.			34,776			
		684	Mining machine operators		21.239	7,386	
		(680)	Derrick, rotary drill, and service unit operators, and roustabouts		0.885	308	
		(694)	Miscellaneous extraction workers		63.717	22,158	
		961	Cleaners of vehicles and equipment		14.159	4,924	
628	Supervisors, production occupations			1,299,637			
		500	First-line supervisors/managers of office and administrative support workers		15.217	197,771	
		620	First-line supervisors/managers of construction trades and extraction workers		2.826	36,729	
		700	First-line supervisors/managers of mechanics, installers, and repairers		2.826	36,729	

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		770	First-line supervisors/managers of production and operating workers		69.348	901,270	
		836	Textile bleaching and dyeing machine operators and tenders		0.217	2,825	
		900	Supervisors, transportation and material moving workers		9.348	121,488	
		931	Ship and boat captains and operators		0.217	2,825	
634	Tool and die makers			142,814			
		813	Tool and die makers		100.000	142,814	1
635	Tool and die maker apprentices			2,376			
		813	Tool and die makers		100.000	2,376	1
636	Precision assemblers, metal			40,959			
		771	Aircraft structure, surfaces, rigging, and systems assemblers		26.957	11,041	
		773	Engine and other machine assemblers		46.957	19,233	
		775	Miscellaneous assemblers and fabricators		26.087	10,685	
637	Machinists			569,081			
		803	Machinists		98.985	563,304	2
		850	Cabinetmakers and bench carpenters		1.015	5,777	
639	Machinist apprentices			1,543			
		803	Machinists		100.000	1,543	1
643	Boilermakers			24,293			
		621	Boilermakers		100.000	24,293	1
644	Precision grinders, filers, and tool sharpeners			23,069			
		821	Tool grinders, filers, and sharpeners		100.000	23,069	1
645	Patternmakers and model makers, metal			5,442			
		806	Model makers and patternmakers, metal and plastic		98.750	5,374	2
		874	Inspectors, testers, sorters, samplers, and weighers		1.250	68	
646	Lay-out workers			16,987			
		774	Structural metal fabricators and fitters		1.053	179	
		816	Lay-out workers, metal and plastic		95.789	16,272	2
		(855)	Miscellaneous woodworkers		1.053	179	
		(896)	Other production workers		2.105	358	
647	Precious stones and metals workers (Jewelers)			61,830			
		743	Precision instrument and equipment repairers		0.752	465	
		875	Jewelers and precious stone and metal workers		99.248	61,365	2
649	Engravers, metal			17,158			
		891	Etchers and engravers		100.000	17,158	1
653	Sheet metal workers			143,491			
		652	Sheet metal workers		100.000	143,491	1
654	Sheet metal worker apprentices			951			
		652	Sheet metal workers		100.000	951	1
655	Miscellaneous precision metal workers			2,380			
		774	Structural metal fabricators and fitters		1.333	32	
		775	Miscellaneous assemblers and fabricators		24.000	571	
		800	Grinding, lapping, polishing, and buffing machine tool setters, operators, and tenders, metal and plastic		32.000	762	

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		803	Machinists		2.667	63	
		810	Molders and molding machine setters, operators, and tenders, metal and plastic		10.667	254	
		821	Tool grinders, filers, and sharpeners		28.000	666	
		891	Etchers and engravers		1.333	32	
656	Patternmakers and model makers, wood			3,299			
		(855)	Miscellaneous woodworkers		93.506	3,085	3
		892	Molders, shapers, and casters, except metal and plastic		6.494	214	
657	Cabinet makers and bench carpenters			71,871			
		850	Cabinetmakers and bench carpenters		100.000	71,871	1
658	Furniture and wood finishers			33,431			
		851	Furniture finishers		100.000	33,431	1
659	Miscellaneous precision woodworkers			2,058			
		854	Woodworking machine setters, operators, and tenders, except sawing		25.000	515	
		(855)	Miscellaneous woodworkers		75.000	1,544	
666	Dressmakers			97,258			
		835	Tailors, dressmakers, and sewers		100.000	97,258	1
667	Tailors			56,807			
		835	Tailors, dressmakers, and sewers		100.000	56,807	1
668	Upholsterers			73,938			
		845	Upholsterers		100.000	73,938	1
669	Shoe repairers			28,028			
		833	Shoe and leather workers and repairers		100.000	28,028	1
674	Miscellaneous precision apparel and fabric workers			16,489			
		835	Tailors, dressmakers, and sewers		2.667	440	
		840	Textile cutting machine setters, operators, and tenders		2.667	440	
		(846)	Miscellaneous textile, apparel, and furnishings workers		94.667	15,610	3
675	Hand molders and shapers, except jewelers			20,057			
		810	Molders and molding machine setters, operators, and tenders, metal and plastic		11.207	2,248	
		892	Molders, shapers, and casters, except metal and plastic		88.793	17,809	
676	Patternmakers, lay-out workers, and cutters			22,890			
		636	Glaziers		4.286	981	
		775	Miscellaneous assemblers and fabricators		0.714	164	
		806	Model makers and patternmakers, metal and plastic		56.429	12,917	
		(846)	Miscellaneous textile, apparel, and furnishings workers		36.429	8,339	
		871	Cutting workers		0.714	164	
		892	Molders, shapers, and casters, except metal and plastic		1.429	327	
677	Optical goods workers			74,907			
		352	Opticians, dispensing		70.690	52,952	
		874	Inspectors, testers, sorters, samplers, and weighers		0.575	431	
		876	Medical, dental, and ophthalmic laboratory technicians		28.736	21,525	
678	Dental laboratory and medical appliance technicians			56,964			
		876	Medical, dental, and ophthalmic laboratory technicians		100.000	56,964	1
679	Bookbinders			29,933			

Table 3. 1990 Census EEO File Occupation Categories and Their Redistribution into the Census 2000 EEO File Occupation Categories

1990 Census Codes and Categories				1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
		Census 2000 Codes and Categories					
		823	Bookbinders and bindery workers		100.000	29,933	1
683	Electrical and electronic equipment assemblers			309,406			
		772	Electrical, electronics, and electromechanical assemblers		92.857	287,306	3
		773	Engine and other machine assemblers		1.905	5,893	
		775	Miscellaneous assemblers and fabricators		5.238	16,207	
684	Miscellaneous precision workers, n.e.c.			54,214			
		775	Miscellaneous assemblers and fabricators		9.615	5,213	
		(822)	Other metalworkers and plastic workers		80.769	43,788	
		865	Crushing, grinding, polishing, mixing, and blending workers		2.885	1,564	
		876	Medical, dental, and ophthalmic laboratory technicians		3.846	2,085	
		883	Photographic process workers and processing machine operators		2.885	1,564	
686	Butchers and meat cutters			278,902			
		781	Butchers and other meat, poultry, and fish processing workers		99.485	277,464	2
		964	Packers and packagers, hand		0.515	1,438	
687	Bakers			159,172			
		780	Bakers		100.000	159,172	1
688	Food batchmakers			53,838			
		784	Food batchmakers		100.000	53,838	1
689	Inspectors, testers, and graders			131,905			
		054	Claims adjusters, appraisers, examiners, and investigators		0.581	767	
		666	Construction and building inspectors		3.488	4,601	
		874	Inspectors, testers, sorters, samplers, and weighers		77.326	101,996	
		941	Transportation inspectors		18.605	24,540	
693	Adjusters and calibrators			8,750			
		056	Compliance officers, except agriculture, construction, health and safety, and transportation		2.899	254	
		743	Precision instrument and equipment repairers		10.145	888	
		772	Electrical, electronics, and electromechanical assemblers		4.348	380	
		775	Miscellaneous assemblers and fabricators		63.043	5,516	
		874	Inspectors, testers, sorters, samplers, and weighers		19.565	1,712	
694	Water and sewage treatment plant operators			61,269			
		860	Power plant operators, distributors, and dispatchers		3.030	1,857	
		862	Water and liquid waste treatment plant and system operators		91.667	56,163	3
		863	Miscellaneous plant and system operators		5.303	3,249	
695	Power plant operators			37,012			
		860	Power plant operators, distributors, and dispatchers		100.000	37,012	1
696	Stationary engineers			161,241			
		733	Industrial and refractory machinery mechanics		2.353	3,794	
		(822)	Other metalworkers and plastic workers		1.176	1,897	
		860	Power plant operators, distributors, and dispatchers		8.235	13,279	
		861	Stationary engineers and boiler operators		83.529	134,684	
		965	Pumping station operators		4.706	7,588	
699	Miscellaneous plant and system operators			53,622			

Table 3. 1990 Census EEO File Occupation Categories and Their Redistribution into the Census 2000 EEO File Occupation Categories

1990 Census Codes and Categories		Census 2000 Codes and Categories		1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
		863	Miscellaneous plant and system operators		97.403	52,229	2
		874	Inspectors, testers, sorters, samplers, and weighers		1.299	696	
		965	Pumping station operators		1.299	696	
703	Lathe and turning machine set-up operators			29,460			
		801	Lathe and turning machine tool setters, operators, and tenders, metal and plastic		7.143	2,104	
		(822)	Other metalworkers and plastic workers		92.857	27,356	3
704	Lathe and turning machine operators			36,530			
		801	Lathe and turning machine tool setters, operators, and tenders, metal and plastic		100.000	36,530	1
705	Milling and planing machine operators			6,789			
		(822)	Other metalworkers and plastic workers		100.000	6,789	1
706	Punching and stamping press machine operators			110,466			
		795	Cutting, punching, and press machine setters, operators, and tenders, metal and plastic		97.688	107,912	2
		871	Cutting workers		2.312	2,554	
707	Rolling machine operators			13,743			
		794	Rolling machine setters, operators, and tenders, metal and plastic		94.366	12,969	3
		801	Lathe and turning machine tool setters, operators, and tenders, metal and plastic		1.408	194	
		872	Extruding, forming, pressing, and compacting machine setters, operators, and tenders		4.225	581	
708	Drilling and boring machine operators			21,576			
		796	Drilling and boring machine tool setters, operators, and tenders, metal and plastic		100.000	21,576	1
709	Grinding, abrading, buffing, and polishing machine operators			125,458			
		800	Grinding, lapping, polishing, and buffing machine tool setters, operators, and tenders, metal and plastic		75.936	95,268	
		854	Woodworking machine setters, operators, and tenders, except sawing		1.070	1,342	
		865	Crushing, grinding, polishing, mixing, and blending workers		21.390	26,836	
		876	Medical, dental, and ophthalmic laboratory technicians		1.604	2,013	
713	Forging machine operators			17,046			
		793	Forging machine setters, operators, and tenders, metal and plastic		95.082	16,208	2
		(896)	Other production workers		4.918	838	
714	Numerical control machine operators			1,636			
		790	Computer control programmers and operators		100.000	1,636	1
715	Miscellaneous metal, plastic, stone, and glass working machine operators			25,328			
		754	Locksmiths and safe repairers		7.895	2,000	
		795	Cutting, punching, and press machine setters, operators, and tenders, metal and plastic		17.763	4,499	
		801	Lathe and turning machine tool setters, operators, and tenders, metal and plastic		6.579	1,666	
		(822)	Other metalworkers and plastic workers		63.816	16,163	
		(896)	Other production workers		3.947	1,000	
717	Fabricating machine operators, n.e.c.			26,662			
		772	Electrical, electronics, and electromechanical assemblers		5.970	1,592	
		793	Forging machine setters, operators, and tenders, metal and plastic		2.239	597	
		794	Rolling machine setters, operators, and tenders, metal and plastic		5.224	1,393	

Table 3. 1990 Census EEO File Occupation Categories and Their Redistribution into the Census 2000 EEO File Occupation Categories

1990 Census Codes and Categories				1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
		Census 2000 Codes and Categories					
		795	Cutting, punching, and press machine setters, operators, and tenders, metal and plastic		7.463	1,990	
		(822)	Other metalworkers and plastic workers		76.119	20,295	
		823	Bookbinders and bindery workers		0.746	199	
		874	Inspectors, testers, sorters, samplers, and weighers		0.746	199	
		(896)	Other production workers		1.493	398	
719	Molding and casting machine operators			89,468			
		792	Extruding and drawing machine setters, operators, and tenders, metal and plastic		5.682	5,083	
		810	Molders and molding machine setters, operators, and tenders, metal and plastic		81.250	72,693	
		872	Extruding, forming, pressing, and compacting machine setters, operators, and tenders		2.273	2,033	
		892	Molders, shapers, and casters, except metal and plastic		10.795	9,658	
723	Metal plating machine operators			35,397			
		820	Plating and coating machine setters, operators, and tenders, metal and plastic		100.000	35,397	1
724	Heat treating equipment operators			18,543			
		804	Metal furnace and kiln operators and tenders		1.818	337	
		815	Heat treating equipment setters, operators, and tenders, metal and plastic		98.182	18,206	2
725	Miscellaneous metal and plastic processing machine operators			18,959			
		795	Cutting, punching, and press machine setters, operators, and tenders, metal and plastic		39.568	7,502	
		(822)	Other metalworkers and plastic workers		0.719	136	
		865	Crushing, grinding, polishing, mixing, and blending workers		44.604	8,457	
		881	Painting workers		4.317	818	
		886	Cleaning, washing, and metal pickling equipment operators and tenders		10.791	2,046	
726	Wood lathe, routing, and planing machine operators			8,211			
		854	Woodworking machine setters, operators, and tenders, except sawing		100.000	8,211	1
727	Sawing machine operators			94,905			
		795	Cutting, punching, and press machine setters, operators, and tenders, metal and plastic		4.255	4,039	
		853	Sawing machine setters, operators, and tenders, wood		87.943	83,463	
		(896)	Other production workers		7.801	7,404	
728	Shaping and joining machine operators			6,044			
		854	Woodworking machine setters, operators, and tenders, except sawing		98.958	5,981	2
		885	Cementing and gluing machine operators and tenders		1.042	63	
729	Nailing and tacking machine operators			3,219			
		854	Woodworking machine setters, operators, and tenders, except sawing		100.000	3,219	1
733	Miscellaneous woodworking machine operators			43,258			
		775	Miscellaneous assemblers and fabricators		2.521	1,091	
		854	Woodworking machine setters, operators, and tenders, except sawing		33.613	14,541	
		(855)	Miscellaneous woodworkers		57.143	24,719	
		885	Cementing and gluing machine operators and tenders		6.723	2,908	
734	Printing press operators			359,781			
		824	Job printers		23.729	85,372	
		825	Prepress technicians and workers		4.661	16,769	

Table 3. 1990 Census EEO File Occupation Categories and Their Redistribution into the Census 2000 EEO File Occupation Categories

1990 Census Codes and Categories				1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
			Census 2000 Codes and Categories				
		826	Printing machine operators		71.610	257,640	
735			Photoengravers and lithographers	49,106			
		825	Prepress technicians and workers		100.000	49,106	1
736			Typesetters and compositors	72,353			
		825	Prepress technicians and workers		100.000	72,353	1
737			Miscellaneous printing machine operators	50,905			
		823	Bookbinders and bindery workers		58.382	29,719	
		825	Prepress technicians and workers		13.295	6,768	
		826	Printing machine operators		28.324	14,418	
738			Winding and twisting machine operators	70,620			
		842	Textile winding, twisting, and drawing out machine setters, operators, and tenders		87.417	61,734	
		(846)	Miscellaneous textile, apparel, and furnishings workers		1.325	935	
		893	Paper goods machine setters, operators, and tenders		3.311	2,338	
		(896)	Other production workers		7.947	5,612	
739			Knitting, looping, taping, and weaving machine operators	60,223			
		841	Textile knitting and weaving machine setters, operators, and tenders		100.000	60,223	1
743			Textile cutting machine operators	7,839			
		840	Textile cutting machine setters, operators, and tenders		75.000	5,879	
		871	Cutting workers		25.000	1,960	
744			Textile sewing machine operators	783,799			
		832	Sewing machine operators		100.000	783,799	1
745			Shoe machine operators	34,244			
		834	Shoe machine operators and tenders		100.000	34,244	1
747			Pressing machine operators	148,411			
		831	Pressers, textile, garment, and related materials		100.000	148,411	1
748			Laundering and dry cleaning machine operators	219,097			
		830	Laundry and dry-cleaning workers		99.398	217,777	2
		836	Textile bleaching and dyeing machine operators and tenders		0.602	1,320	
749			Miscellaneous textile machine operators	93,339			
		825	Prepress technicians and workers		0.820	765	
		826	Printing machine operators		1.639	1,530	
		836	Textile bleaching and dyeing machine operators and tenders		0.820	765	
		840	Textile cutting machine setters, operators, and tenders		1.639	1,530	
		841	Textile knitting and weaving machine setters, operators, and tenders		0.820	765	
		842	Textile winding, twisting, and drawing out machine setters, operators, and tenders		4.918	4,590	
		(846)	Miscellaneous textile, apparel, and furnishings workers		77.869	72,682	
		854	Woodworking machine setters, operators, and tenders, except sawing		3.279	3,060	
		(896)	Other production workers		8.197	7,651	
753			Cementing and gluing machine operators	32,386			
		810	Molders and molding machine setters, operators, and tenders, metal and plastic		1.000	324	
		885	Cementing and gluing machine operators and tenders		99.000	32,062	2
754			Packaging and filling machine operators	281,245			
		880	Packaging and filling machine operators and tenders		98.086	275,862	2

Table 3. 1990 Census EEO File Occupation Categories and Their Redistribution into the Census 2000 EEO File Occupation Categories

1990 Census Codes and Categories		Census 2000 Codes and Categories		1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
		885	Cementing and gluing machine operators and tenders		1.914	5,383	
755	Extruding and forming machine operators			27,901			
		792	Extruding and drawing machine setters, operators, and tenders, metal and plastic		46.203	12,891	
		810	Molders and molding machine setters, operators, and tenders, metal and plastic		1.266	353	
		(846)	Miscellaneous textile, apparel, and furnishings workers		3.797	1,060	
		872	Extruding, forming, pressing, and compacting machine setters, operators, and tenders		46.835	13,068	
		892	Molders, shapers, and casters, except metal and plastic		1.899	530	
756	Mixing and blending machine operators			111,141			
		781	Butchers and other meat, poultry, and fish processing workers		2.239	2,488	
		784	Food batchmakers		19.403	21,565	
		836	Textile bleaching and dyeing machine operators and tenders		9.701	10,782	
		865	Crushing, grinding, polishing, mixing, and blending workers		67.164	74,647	
		872	Extruding, forming, pressing, and compacting machine setters, operators, and tenders		1.493	1,659	
757	Separating, filtering, and clarifying machine operators			69,630			
		863	Miscellaneous plant and system operators		0.833	580	
		864	Chemical processing machine setters, operators, and tenders		99.167	69,050	2
758	Compressing and compacting machine operators			22,353			
		872	Extruding, forming, pressing, and compacting machine setters, operators, and tenders		97.938	21,892	2
		873	Furnace, kiln, oven, drier, and kettle operators and tenders		1.031	230	
		893	Paper goods machine setters, operators, and tenders		1.031	230	
759	Painting and paint spraying machine operators			136,177			
		636	Glaziers		4.040	5,502	
		715	Automotive body and related repairers		7.576	10,316	
		865	Crushing, grinding, polishing, mixing, and blending workers		1.010	1,376	
		881	Painting workers		87.374	118,983	
763	Roasting and baking machine operators, food			4,748			
		783	Food and tobacco roasting, baking, and drying machine operators and tenders		99.010	4,701	2
		785	Food cooking machine operators and tenders		0.990	47	
764	Washing, cleaning, and pickling machine operators			10,438			
		785	Food cooking machine operators and tenders		2.174	227	
		826	Printing machine operators		1.087	113	
		836	Textile bleaching and dyeing machine operators and tenders		4.348	454	
		886	Cleaning, washing, and metal pickling equipment operators and tenders		92.391	9,644	3
765	Folding machine operators			20,429			
		795	Cutting, punching, and press machine setters, operators, and tenders, metal and plastic		1.563	319	
		831	Pressers, textile, garment, and related materials		3.906	798	
		893	Paper goods machine setters, operators, and tenders		85.938	17,556	
		(896)	Other production workers		8.594	1,756	
766	Furnace, kiln, and oven operators, exc. food			96,276			
		804	Metal furnace and kiln operators and tenders		51.351	49,439	
		810	Molders and molding machine setters, operators, and tenders, metal and plastic		1.802	1,735	
		(846)	Miscellaneous textile, apparel, and furnishings workers		0.901	867	

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1990 Census Codes and Categories				1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
		Census 2000 Codes and Categories					
		861	Stationary engineers and boiler operators		13.514	13,010	
		864	Chemical processing machine setters, operators, and tenders		1.802	1,735	
		873	Furnace, kiln, oven, drier, and kettle operators and tenders		29.730	28,623	
		874	Inspectors, testers, sorters, samplers, and weighers		0.901	867	
768	Crushing and grinding machine operators			45,207			
		800	Grinding, lapping, polishing, and buffing machine tool setters, operators, and tenders, metal and plastic		10.870	4,914	
		864	Chemical processing machine setters, operators, and tenders		1.087	491	
		865	Crushing, grinding, polishing, mixing, and blending workers		88.043	39,802	
769	Slicing and cutting machine operators			187,949			
		613	Logging workers		0.365	686	
		781	Butchers and other meat, poultry, and fish processing workers		2.190	4,116	
		795	Cutting, punching, and press machine setters, operators, and tenders, metal and plastic		10.219	19,206	
		840	Textile cutting machine setters, operators, and tenders		20.073	37,727	
		845	Upholsterers		0.365	686	
		853	Sawing machine setters, operators, and tenders, wood		4.380	8,231	
		854	Woodworking machine setters, operators, and tenders, except sawing		2.920	5,488	
		(855)	Miscellaneous woodworkers		4.745	8,917	
		864	Chemical processing machine setters, operators, and tenders		1.460	2,744	
		871	Cutting workers		51.460	96,718	
		874	Inspectors, testers, sorters, samplers, and weighers		1.460	2,744	
		963	Machine feeders and offbearers		0.365	686	
773	Motion picture projectionists			10,357			
		441	Motion picture projectionists		100.000	10,357	1
774	Photographic process machine operators			101,939			
		(290)	Broadcast & sound engineering technicians & radio operators & other media & communication equipment workers		0.629	641	
		291	Photographers		6.918	7,052	
		590	Office machine operators, except computer		5.031	5,129	
		825	Prepress technicians and workers		15.094	15,387	
		883	Photographic process workers and processing machine operators		70.440	71,806	
		(896)	Other production workers		1.887	1,923	
777	Miscellaneous machine operators, n.e.c.			611,270			
		772	Electrical, electronics, and electromechanical assemblers		0.876	5,354	
		780	Bakers		0.292	1,785	
		783	Food and tobacco roasting, baking, and drying machine operators and tenders		0.438	2,677	
		784	Food batchmakers		0.292	1,785	
		785	Food cooking machine operators and tenders		0.438	2,677	
		792	Extruding and drawing machine setters, operators, and tenders, metal and plastic		0.292	1,785	
		793	Forging machine setters, operators, and tenders, metal and plastic		0.292	1,785	
		795	Cutting, punching, and press machine setters, operators, and tenders, metal and plastic		0.584	3,569	

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1990 Census Codes and Categories		Census 2000 Codes and Categories		1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
		820	Plating and coating machine setters, operators, and tenders, metal and plastic		0.292	1,785	
		(822)	Other metalworkers and plastic workers		27.299	166,872	
		826	Printing machine operators		0.730	4,462	
		834	Shoe machine operators and tenders		0.292	1,785	
		842	Textile winding, twisting, and drawing out machine setters, operators, and tenders		0.730	4,462	
		(846)	Miscellaneous textile, apparel, and furnishings workers		0.146	892	
		863	Miscellaneous plant and system operators		0.730	4,462	
		864	Chemical processing machine setters, operators, and tenders		0.876	5,354	
		865	Crushing, grinding, polishing, mixing, and blending workers		1.022	6,247	
		871	Cutting workers		0.730	4,462	
		872	Extruding, forming, pressing, and compacting machine setters, operators, and tenders		1.460	8,924	
		873	Furnace, kiln, oven, drier, and kettle operators and tenders		0.584	3,569	
		876	Medical, dental, and ophthalmic laboratory technicians		0.146	892	
		880	Packaging and filling machine operators and tenders		1.022	6,247	
		881	Painting workers		0.292	1,785	
		886	Cleaning, washing, and metal pickling equipment operators and tenders		0.438	2,677	
		891	Etchers and engravers		0.292	1,785	
		892	Molders, shapers, and casters, except metal and plastic		0.584	3,569	
		893	Paper goods machine setters, operators, and tenders		2.044	12,493	
		894	Tire builders		1.752	10,708	
		(896)	Other production workers		54.599	333,744	
		963	Machine feeders and offbearers		0.438	2,677	
779	Machine operators, not specified			956,865			
		676	Miscellaneous construction and related workers		0.508	4,857	
		(762)	Other installation, maintenance, and repair workers, including commercial divers & signal & track switch repairers		1.015	9,714	
		774	Structural metal fabricators and fitters		1.523	14,572	
		780	Bakers		0.508	4,857	
		783	Food and tobacco roasting, baking, and drying machine operators and tenders		0.508	4,857	
		804	Metal furnace and kiln operators and tenders		0.508	4,857	
		(822)	Other metalworkers and plastic workers		14.213	136,001	
		825	Prepress technicians and workers		0.508	4,857	
		833	Shoe and leather workers and repairers		1.015	9,714	
		(846)	Miscellaneous textile, apparel, and furnishings workers		1.015	9,714	
		872	Extruding, forming, pressing, and compacting machine setters, operators, and tenders		3.046	29,143	
		880	Packaging and filling machine operators and tenders		2.538	24,286	
		886	Cleaning, washing, and metal pickling equipment operators and tenders		1.523	14,572	
		893	Paper goods machine setters, operators, and tenders		1.015	9,714	
		895	Helpers--production workers		0.508	4,857	
		(896)	Other production workers		66.497	636,291	
		(942)	Miscellaneous transportation workers		0.508	4,857	
		963	Machine feeders and offbearers		3.046	29,143	
783	Welders and cutters			643,978			

Table 3. 1990 Census EEO File Occupation Categories and Their Redistribution into the Census 2000 EEO File Occupation Categories

1990 Census Codes and Categories				1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
		Census 2000 Codes and Categories					
		814	Welding, soldering, and brazing workers		99.519	640,882	2
		(896)	Other production workers		0.481	3,096	
784	Solderers and brazers			28,237			
		814	Welding, soldering, and brazing workers		100.000	28,237	1
785	Assemblers			1,573,979			
		676	Miscellaneous construction and related workers		0.302	4,748	
		703	Avionics technicians		0.151	2,374	
		711	Electronic equipment installers and repairers, motor vehicles		0.151	2,374	
		715	Automotive body and related repairers		0.302	4,748	
		716	Automotive glass installers and repairers		0.151	2,374	
		(762)	Other installation, maintenance, and repair workers, including commercial divers & signal & track switch repairers		0.754	11,870	
		771	Aircraft structure, surfaces, rigging, and systems assemblers		3.167	49,855	
		772	Electrical, electronics, and electromechanical assemblers		7.843	123,449	
		773	Engine and other machine assemblers		2.715	42,732	
		774	Structural metal fabricators and fitters		0.603	9,496	
		775	Miscellaneous assemblers and fabricators		70.739	1,113,418	
		(822)	Other metalworkers and plastic workers		1.056	16,618	
		833	Shoe and leather workers and repairers		0.151	2,374	
		845	Upholsterers		0.302	4,748	
		(846)	Miscellaneous textile, apparel, and furnishings workers		0.302	4,748	
		874	Inspectors, testers, sorters, samplers, and weighers		1.207	18,992	
		875	Jewelers and precious stone and metal workers		0.151	2,374	
		880	Packaging and filling machine operators and tenders		1.056	16,618	
		893	Paper goods machine setters, operators, and tenders		0.905	14,244	
		(896)	Other production workers		7.994	125,823	
786	Hand cutting and trimming occupations			16,505			
		781	Butchers and other meat, poultry, and fish processing workers		51.111	8,436	
		871	Cutting workers		48.889	8,069	
787	Hand molding, casting, and forming occupations			26,409			
		810	Molders and molding machine setters, operators, and tenders, metal and plastic		28.713	7,583	
		892	Molders, shapers, and casters, except metal and plastic		71.287	18,826	
789	Hand painting, coating, and decorating occupations			45,058			
		784	Food batchmakers		1.667	751	
		871	Cutting workers		0.833	375	
		881	Painting workers		97.500	43,932	2
793	Hand engraving and printing occupations			14,854			
		826	Printing machine operators		38.667	5,744	
		891	Etchers and engravers		61.333	9,110	
795	Miscellaneous hand working occupations			43,633			
		(762)	Other installation, maintenance, and repair workers, including commercial divers & signal & track switch repairers		1.739	759	
		775	Miscellaneous assemblers and fabricators		10.435	4,553	

Table 3. 1990 Census EEO File Occupation Categories and Their Redistribution into the Census 2000 EEO File Occupation Categories

1990 Census Codes and Categories		Census 2000 Codes and Categories		1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
		785	Food cooking machine operators and tenders		6.957	3,035	
		831	Pressers, textile, garment, and related materials		6.957	3,035	
		835	Tailors, dressmakers, and sewers		3.478	1,518	
		(846)	Miscellaneous textile, apparel, and furnishings workers		1.739	759	
		854	Woodworking machine setters, operators, and tenders, except sawing		8.696	3,794	
		865	Crushing, grinding, polishing, mixing, and blending workers		11.304	4,932	
		871	Cutting workers		4.348	1,897	
		894	Tire builders		4.348	1,897	
		(896)	Other production workers		40.000	17,453	
796	Production inspectors, checkers, and examiners			625,008			
		604	Graders and sorters, agricultural products		3.311	20,696	
		726	Miscellaneous vehicle and mobile equipment mechanics, installers, and repairers		0.331	2,070	
		874	Inspectors, testers, sorters, samplers, and weighers		94.702	591,895	3
		941	Transportation inspectors		1.656	10,348	
797	Production testers			60,144			
		874	Inspectors, testers, sorters, samplers, and weighers		99.225	59,678	2
		941	Transportation inspectors		0.775	466	
798	Production samplers and weighers			10,790			
		604	Graders and sorters, agricultural products		2.062	222	
		874	Inspectors, testers, sorters, samplers, and weighers		97.938	10,568	2
799	Graders and sorters, exc. agricultural			138,183			
		604	Graders and sorters, agricultural products		13.450	18,586	
		874	Inspectors, testers, sorters, samplers, and weighers		57.895	80,001	
		875	Jewelers and precious stone and metal workers		0.585	808	
		964	Packers and packagers, hand		28.070	38,788	
803	Supervisors, motor vehicle operators			80,351			
		700	First-line supervisors/managers of mechanics, installers, and repairers		3.604	2,896	
		900	Supervisors, transportation and material moving workers		96.396	77,455	2
804	Truck drivers			2,908,952			
		(605)	Miscellaneous agricultural workers, including animal breeders		0.830	24,141	
		613	Logging workers		0.415	12,070	
		913	Driver/sales workers and truck drivers		95.021	2,764,108	2
		914	Taxi drivers and chauffeurs		3.734	108,633	
806	Driver-sales workers			143,353			
		751	Coin, vending, and amusement machine servicers and repairers		36.913	52,916	
		913	Driver/sales workers and truck drivers		63.087	90,437	
808	Bus drivers			447,570			
		912	Bus drivers		96.552	432,137	2
		914	Taxi drivers and chauffeurs		3.448	15,433	
809	Taxicab drivers and chauffeurs			207,333			
		912	Bus drivers		2.685	5,566	
		914	Taxi drivers and chauffeurs		90.604	187,852	3
		(915)	Miscellaneous motor vehicle operators		6.711	13,915	

Table 3. 1990 Census EEO File Occupation Categories and Their Redistribution into the Census 2000 EEO File Occupation Categories

1990 Census Codes and Categories			Census 2000 Codes and Categories	1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
813	Parking lot attendants			46,559			
		935	Parking lot attendants		100.000	46,559	1
814	Motor transportation occupations, n.e.c.			3,789			
		(915)	Miscellaneous motor vehicle operators		100.000	3,789	1
823	Railroad conductors and yardmasters			37,573			
		924	Railroad conductors and yardmasters		100.000	37,573	1
824	Locomotive operating occupations			45,966			
		920	Locomotive engineers and operators		98.052	45,071	2
		926	Subway, streetcar, and other rail transportation workers		1.948	895	
825	Railroad brake, signal, and switch operators			33,259			
		923	Railroad brake, signal, and switch operators		100.000	33,259	1
826	Rail vehicle operators, n.e.c.			5,048			
		926	Subway, streetcar, and other rail transportation workers		100.000	5,048	1
828	Ship captains and mates, except fishing boats			32,997			
		931	Ship and boat captains and operators		100.000	32,997	1
829	Sailors and deckhands			25,945			
		930	Sailors and marine oilers		97.656	25,337	2
		952	Dredge, excavating, and loading machine operators		2.344	608	
833	Marine engineers			4,152			
		930	Sailors and marine oilers		18.750	779	
		933	Ship engineers		81.250	3,374	
834	Bridge, lock, and lighthouse tenders			6,167			
		(942)	Miscellaneous transportation workers		100.000	6,167	1
843	Supervisors, material moving equipment operators			23,803			
		900	Supervisors, transportation and material moving workers		100.000	23,803	1
844	Operating engineers			241,812			
		(632)	Miscellaneous construction equipment operators		96.129	232,452	2
		952	Dredge, excavating, and loading machine operators		3.226	7,800	
		956	Hoist and winch operators		0.645	1,560	
845	Longshore equipment operators			4,403			
		951	Crane and tower operators		50.000	2,202	
		962	Laborers and freight, stock, and material movers, hand		12.500	550	
		(975)	Miscellaneous material moving workers		37.500	1,651	
848	Hoist and winch operators			20,300			
		613	Logging workers		9.524	1,933	
		(680)	Derrick, rotary drill, and service unit operators, and roustabouts		30.159	6,122	
		(694)	Miscellaneous extraction workers		12.698	2,578	
		952	Dredge, excavating, and loading machine operators		0.794	161	
		956	Hoist and winch operators		46.825	9,506	
849	Crane and tower operators			81,825			
		951	Crane and tower operators		100.000	81,825	1
853	Excavating and loading machine operators			95,983			
		(632)	Miscellaneous construction equipment operators		24.793	23,797	

Table 3. 1990 Census EEO File Occupation Categories and Their Redistribution into the Census 2000 EEO File Occupation Categories

1990 Census Codes and Categories		Census 2000 Codes and Categories		1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
		684	Mining machine operators		0.826	793	
		(694)	Miscellaneous extraction workers		0.826	793	
		952	Dredge, excavating, and loading machine operators		73.554	70,599	
855	Grader, dozer, and scraper operators			64,880			
		630	Paving, surfacing, and tamping equipment operators		18.182	11,796	
		(632)	Miscellaneous construction equipment operators		81.818	53,084	
856	Industrial truck and tractor equipment operators			441,859			
		613	Logging workers		0.595	2,630	
		(632)	Miscellaneous construction equipment operators		1.786	7,890	
		960	Industrial truck and tractor operators		97.619	431,339	2
859	Miscellaneous material moving equipment operators			95,095			
		392	Security guards and gaming surveillance officers		0.943	897	
		672	Hazardous materials removal workers		2.830	2,691	
		684	Mining machine operators		1.887	1,794	
		(694)	Miscellaneous extraction workers		3.774	3,588	
		756	Riggers		0.943	897	
		(896)	Other production workers		2.830	2,691	
		956	Hoist and winch operators		0.943	897	
		962	Laborers and freight, stock, and material movers, hand		18.868	17,942	
		965	Pumping station operators		16.038	15,251	
		(975)	Miscellaneous material moving workers		50.943	48,445	
864	Supervisors, handlers, equipment cleaners, and laborers, n.e.c.			15,668			
		900	Supervisors, transportation and material moving workers		100.000	15,668	1
865	Helpers, mechanics and repairers			21,871			
		660	Helpers, construction trades		1.205	264	
		761	Helpers--installation, maintenance, and repair workers		98.795	21,607	2
866	Helpers, construction trades			85,604			
		626	Construction laborers		3.788	3,243	
		660	Helpers, construction trades		93.939	80,416	3
		761	Helpers--installation, maintenance, and repair workers		1.515	1,297	
		(975)	Miscellaneous material moving workers		0.758	649	
867	Helpers, surveyor			4,675			
		155	Engineering technicians, except drafters		0.962	45	
		156	Surveying and mapping technicians		88.462	4,136	
		660	Helpers, construction trades		10.577	494	
868	Helpers, extractive occupations			2,433			
		(694)	Miscellaneous extraction workers		100.000	2,433	1
869	Construction laborers			1,149,780			
		394	Crossing guards		7.426	85,380	
		626	Construction laborers		81.188	933,485	
		660	Helpers, construction trades		4.950	56,920	
		673	Highway maintenance workers		5.446	62,612	
		(694)	Miscellaneous extraction workers		0.990	11,384	

Table 3. 1990 Census EEO File Occupation Categories and Their Redistribution into the Census 2000 EEO File Occupation Categories

1990 Census Codes and Categories				1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
		Census 2000 Codes and Categories					
874	Production helpers			37,983			
		761	Helpers--installation, maintenance, and repair workers		4.688	1,780	
		895	Helpers--production workers		86.719	32,938	
		(896)	Other production workers		6.250	2,374	
		962	Laborers and freight, stock, and material movers, hand		2.344	890	
875	Garbage collectors			59,909			
		972	Refuse and recyclable material collectors		100.000	59,909	1
876	Stevedores			11,483			
		(896)	Other production workers		1.626	187	
		962	Laborers and freight, stock, and material movers, hand		98.374	11,296	2
877	Stock handlers and baggers			1,030,362			
		562	Stock clerks and order fillers		55.682	573,724	
		(896)	Other production workers		3.409	35,126	
		962	Laborers and freight, stock, and material movers, hand		39.205	403,949	
		964	Packers and packagers, hand		1.705	17,563	
878	Machine feeders and offbearers			87,209			
		(846)	Miscellaneous textile, apparel, and furnishings workers		3.125	2,725	
		865	Crushing, grinding, polishing, mixing, and blending workers		1.563	1,363	
		895	Helpers--production workers		3.125	2,725	
		(896)	Other production workers		7.031	6,132	
		962	Laborers and freight, stock, and material movers, hand		13.281	11,582	
		963	Machine feeders and offbearers		71.094	62,000	
		(975)	Miscellaneous material moving workers		0.781	681	
883	Freight, stock, and material handlers, n.e.c.			572,957			
		554	Postal service clerks		8.264	47,352	
		613	Logging workers		0.826	4,735	
		(694)	Miscellaneous extraction workers		0.413	2,368	
		(896)	Other production workers		5.372	30,779	
		(942)	Miscellaneous transportation workers		2.066	11,838	
		962	Laborers and freight, stock, and material movers, hand		83.058	475,886	
885	Garage and service station related occupations			270,227			
		726	Miscellaneous vehicle and mobile equipment mechanics, installers, and repairers		24.031	64,938	
		761	Helpers--installation, maintenance, and repair workers		0.775	2,095	
		936	Service station attendants		75.194	203,194	
887	Vehicle washers and equipment cleaners			232,516			
		422	Janitors and building cleaners		9.697	22,547	
		961	Cleaners of vehicles and equipment		90.303	209,969	3
888	Hand packers and packagers			368,341			
		496	Sales and related workers, all other		4.762	17,540	
		781	Butchers and other meat, poultry, and fish processing workers		7.937	29,233	
		(896)	Other production workers		4.762	17,540	
		962	Laborers and freight, stock, and material movers, hand		3.968	14,617	
		964	Packers and packagers, hand		78.571	289,411	

Table 3. 1990 Census EEO File Occupation Categories and Their Redistribution into the Census 2000 EEO File Occupation Categories

1990 Census Codes and Categories				1990 Civilian Labor Force	Percent of 1990 Cat. (Conversion Factors)	1990 CLF Redist to 2000	Comp. Score
			Census 2000 Codes and Categories				
889			Laborers, except construction	1,291,166			
		422	Janitors and building cleaners		3.283	42,387	
		425	Grounds maintenance workers		1.010	13,042	
		(535)	Correspondence clerks and order clerks		1.515	19,563	
		562	Stock clerks and order fillers		6.818	88,034	
		604	Graders and sorters, agricultural products		0.253	3,261	
		(605)	Miscellaneous agricultural workers, including animal breeders		2.525	32,605	
		(610)	Fishing and hunting workers		0.253	3,261	
		612	Forest and conservation workers		0.505	6,521	
		674	Rail-track laying and maintenance equipment operators		0.758	9,782	
		675	Septic tank servicers and sewer pipe cleaners		1.515	19,563	
		(680)	Derrick, rotary drill, and service unit operators, and roustabouts		0.253	3,261	
		(694)	Miscellaneous extraction workers		0.758	9,782	
		734	Maintenance and repair workers, general		0.253	3,261	
		761	Helpers--installation, maintenance, and repair workers		0.505	6,521	
		781	Butchers and other meat, poultry, and fish processing workers		1.263	16,303	
		785	Food cooking machine operators and tenders		0.505	6,521	
		810	Molders and molding machine setters, operators, and tenders, metal and plastic		1.010	13,042	
		830	Laundry and dry-cleaning workers		0.505	6,521	
		(846)	Miscellaneous textile, apparel, and furnishings workers		1.263	16,303	
		871	Cutting workers		0.505	6,521	
		886	Cleaning, washing, and metal pickling equipment operators and tenders		0.253	3,261	
		895	Helpers--production workers		3.788	48,908	
		(896)	Other production workers		22.222	286,926	
		926	Subway, streetcar, and other rail transportation workers		1.010	13,042	
		936	Service station attendants		0.253	3,261	
		961	Cleaners of vehicles and equipment		2.525	32,605	
		962	Laborers and freight, stock, and material movers, hand		40.657	524,944	
		963	Machine feeders and offbearers		0.505	6,521	
		964	Packers and packagers, hand		0.758	9,782	
		972	Refuse and recyclable material collectors		2.020	26,084	
		(975)	Miscellaneous material moving workers		0.758	9,782	
992			Unemployed, no recent civilian work experience	999,951			
		992	Unemployed, not classified by occupation		100.000	999,951	1

(This last category for both censuses includes people who were unemployed at the time of the census, AND: whose last job was more than 5 years before the census, or whose last job was a military specific occupation, or who never worked.)

Table 8. 1990 Census Redistributed Industry Data Compared To Census 2000 Industry Data, Using the Census 2000 Industry Classification

Table 8. 1990 Census Redistributed Industry Data Compared to Census 2000 Industry Data, Using the Census 2000 Industry Classification				
Note the following:				
1. the categories and groupings of categories in this table are shown in the order provided on most Census Bureau publications and files, NOT in numerical order;				
2. numbers and percents may not always add to totals due to rounding;				
3. for a definition of terms and an explanation of the methodology used in this table, see the text of the accompanying Technical Paper.				
	1990 Data Redistributed to 2000	**Census 2000**	**Percent Change, 1990-2000**	
Census 2000 Codes and Categories	**Number**	**Number**		
Total Civilian Labor Force	**123,473,450**	**137,668,798**	**11.5%**	
Agriculture, forestry, fishing and hunting, and mining:	**3,427,137**	**2,619,773**	**-23.6%**	
Agriculture, forestry, fishing and hunting	2,656,313	2,094,972	-21.1%	
017 Crop production	1,388,550	1,083,740	-22.0%	
018 Animal production	811,252	647,857	-20.1%	
019 Forestry except logging	67,368	42,700	-36.6%	
027 Logging	158,536	136,184	-14.1%	
028 Fishing, hunting, and trapping	75,957	62,154	-18.2%	
029 Support activities for agriculture and forestry	154,650	122,337	-20.9%	
Mining	770,824	524,801	-31.9%	
037 Oil and gas extraction	160,462	66,016	-58.9%	
038 Coal mining	168,923	79,124	-53.2%	
039 Metal ore mining	62,556	22,420	-64.2%	
047 Nonmetallic mineral mining and quarrying	122,739	126,021	2.7%	
049 Support activities for mining	256,144	231,220	-9.7%	
077 **Construction**	**7,948,779**	**9,483,169**	**19.3%**	
Manufacturing	**21,051,551**	**19,194,445**	**-8.8%**	
Food	1,557,672	1,523,827	-2.2%	
107 Animal food, grain, and oilseed milling	128,269	119,618	-6.7%	
108 Sugar and confectionery products	102,916	93,383	-9.3%	
109 Fruit and vegetable preserving and specialty food manufacturing	179,740	169,768	-5.5%	
117 Dairy product manufacturing	151,472	115,147	-24.0%	
118 Animal slaughtering and processing	324,027	445,092	37.4%	
119 Retail bakeries	188,590	161,090	-14.6%	
127 Bakeries except retail	210,846	165,271	-21.6%	
128 Seafood and other miscellaneous foods n.e.c.	165,052	167,156	1.3%	
129 Not specified food industries	106,760	87,302	-18.2%	
Beverage and tobacco products	241,316	226,688	-6.1%	
137 Beverage manufacturing	186,530	186,795	0.1%	
139 Tobacco manufacturing	54,786	39,893	-27.2%	
Textile mills and textile products	862,903	615,359	-28.7%	
147 Fiber, yarn, and thread mills	92,052	55,649	-39.5%	
148 Fabric mills, except knitting	486,157	199,001	-59.1%	
149 Textile and fabric finishing and coating mills	61,802	80,239	29.8%	
157 Carpets and rugs manufacturing	74,239	76,821	3.5%	
159 Textile product mills except carpets and rugs	148,653	203,649	37.0%	

Table 8. 1990 Census Redistributed Industry Data Compared To Census 2000 Industry Data, Using the Census 2000 Industry Classification

	1990 Data Redistributed to 2000		Census 2000	Percent		
	Census 2000 Codes and Categories	Number	Number	Change, 1990-2000		
	Apparel	1,188,599	570,659	-52.0%		
167	Knitting mills	170,052	85,122	-49.9%		
168	Cut and sew apparel manufacturing	965,052	414,982	-57.0%		
169	Apparel accessories and other apparel manufacturing	53,495	70,555	31.9%		
	Leather and allied products	157,720	86,253	-45.3%		
177	Footwear manufacturing	102,039	42,886	-58.0%		
179	Leather tanning and products, except footwear manufacturing	55,681	43,367	-22.1%		
	Wood products	542,378	582,418	7.4%		
377	Sawmills and wood preservation	137,596	143,686	4.4%		
378	Veneer, plywood, and engineered wood product manufacturing	92,973	74,900	-19.4%		
379	Prefabricated wood buildings and mobile homes manufacturing	50,175	87,631	74.7%		
387	Miscellaneous wood product manufacturing	261,634	276,201	5.6%		
	Paper	651,917	606,698	-6.9%		
187	Pulp, paper, and paperboard mills	303,382	286,198	-5.7%		
188	Paperboard containers and boxes	166,902	166,591	-0.2%		
189	Miscellaneous paper and pulp products	181,633	153,909	-15.3%		
199	Printing and related support activities	1,050,992	896,710	-14.7%		
	Petroleum and coal products	225,233	169,723	-24.6%		
207	Petroleum refining	191,369	135,532	-29.2%		
209	Miscellaneous petroleum and coal products	33,864	34,191	1.0%		
	Chemical	1,291,096	1,166,360	-9.7%		
217	Resin, synthetic rubber and fibers, and filaments manufacturing	247,103	58,623	-76.3%		
218	Agricultural chemical manufacturing	44,410	34,092	-23.2%		
219	Pharmaceutical and medicine manufacturing	272,178	370,537	36.1%		
227	Paint, coating, and adhesives manufacturing	91,144	78,140	-14.3%		
228	Soap, cleaning compound, and cosmetic manufacturing	154,410	128,574	-16.7%		
229	Industrial and miscellaneous chemicals	481,851	496,394	3.0%		
	Plastics and rubber products	690,032	895,948	29.8%		
237	Plastics product manufacturing	481,176	680,967	41.5%		
238	Tire manufacturing	110,774	104,056	-6.1%		
239	Rubber products, except tires, manufacturing	98,082	110,925	13.1%		
	Nonmetallic mineral products	573,974	540,405	-5.8%		
247	Pottery, ceramics, and related products manufacturing	50,239	48,970	-2.5%		
248	Structural clay product manufacturing	55,859	43,099	-22.8%		
249	Glass and glass product manufacturing	221,741	180,500	-18.6%		
257	Cement, concrete, lime, and gypsum product manufacturing	144,335	181,750	25.9%		
259	Miscellaneous nonmetallic mineral product manufacturing	101,799	86,086	-15.4%		
	Metal	2,427,889	2,316,620	-4.6%		
267	Iron and steel mills and steel product manufacturing	365,715	343,354	-6.1%		
268	Aluminum production and processing	107,851	104,559	-3.1%		
269	Nonferrous metal, except aluminum, production and processing	109,127	73,216	-32.9%		

Table 8. 1990 Census Redistributed Industry Data Compared To Census 2000 Industry Data, Using the Census 2000 Industry Classification

1990 Data Redistributed to 2000		Census 2000	Percent Change, 1990-2000
Census 2000 Codes and Categories	Number	Number	
277 Foundries	183,536	190,226	3.6%
278 Metal forgings and stampings	102,807	128,444	24.9%
279 Cutlery and hand tool manufacturing	99,415	73,575	-26.0%
287 Structural metals and tank and shipping container manufacturing	444,204	445,558	0.3%
288 Machine shops; turned product; screw nut and bolt manufacturing	364,224	417,395	14.6%
289 Coating, engraving, heat treating and allied activities	121,711	126,626	4.0%
297 Ordnance	82,996	32,317	-61.1%
298 Miscellaneous fabricated metal products manufacturing	399,318	351,638	-11.9%
299 Not specified metal industries	46,985	29,712	-36.8%
Machinery	1,610,204	1,424,398	-11.5%
307 Agricultural implement manufacturing	102,527	103,690	1.1%
308 Construction mining and oil field machinery manufacturing	127,068	128,998	1.5%
309 Commercial and service industry machinery manufacturing	200,830	162,059	-19.3%
317 Metalworking machinery manufacturing	257,244	236,597	-8.0%
318 Engines, turbines, and power transmission equipment manufacturing	124,695	100,051	-19.8%
319 Machinery manufacturing, n.e.c.	742,524	666,517	-10.2%
329 Not specified machinery manufacturing	55,317	26,486	-52.1%
Computer and electronic products	1,776,973	1,960,923	10.4%
336 Computer and peripheral equipment manufacturing	522,192	442,471	-15.3%
337 Communications, audio, and video equipment manufacturing	310,186	281,694	-9.2%
338 Navigational, measuring, electromedical, and control instruments manufacturir	274,574	254,866	-7.2%
339 Electronic component and product manufacturing, n.e.c.	670,022	981,892	46.5%
Electrical equipment, appliances, and components	1,034,562	600,370	-42.0%
347 Household appliance manufacturing	130,168	119,236	-8.4%
349 Electrical machinery, equipment, and supplies manufacturing, n.e.c.	904,395	481,134	-46.8%
Transportation equipment	2,840,858	2,492,923	-12.2%
357 Motor vehicles and motor vehicle equipment manufacturing	1,384,230	1,533,495	10.8%
358 Aircraft and parts manufacturing	684,093	451,250	-34.0%
359 Aerospace product and parts manufacturing	405,860	242,068	-40.4%
367 Railroad rolling stock manufacturing	27,434	37,477	36.6%
368 Ship and boat building	290,380	191,559	-34.0%
369 Other transportation equipment manufacturing	48,861	37,074	-24.1%
389 Furniture and related products	686,553	709,336	3.3%
Miscellaneous manufacturing	1,640,679	1,808,827	10.2%
396 Medical equipment and supplies manufacturing	361,280	461,261	27.7%
397 Toys, amusement, and sporting goods manufacturing	142,405	145,363	2.1%
398 Miscellaneous manufacturing, n.e.c.	400,137	455,563	13.9%
399 Not specified manufacturing industries	736,857	746,640	1.3%
Wholesale trade	**5,253,944**	**4,878,340**	**-7.1%**
407 Motor vehicles, parts and supplies	344,499	270,892	-21.4%
408 Furniture and home furnishings	111,567	106,012	-5.0%

Table 8. 1990 Census Redistributed Industry Data Compared To Census 2000 Industry Data, Using the Census 2000 Industry Classification

	1990 Data Redistributed to 2000		Census 2000	Percent		
	Census 2000 Codes and Categories	Number	Number	Change, 1990-2000		
409	Lumber and construction materials	201,710	191,966	-4.8%		
417	Professional and commercial equipment and supplies	194,462	429,426	120.8%		
418	Metals and minerals, except petroleum	92,464	90,389	-2.2%		
419	Electrical goods	357,606	390,307	9.1%		
426	Hardware, plumbing and heating equipment, and supplies	287,398	187,321	-34.8%		
427	Machinery, equipment, and supplies	950,142	549,572	-42.2%		
428	Recyclable materials	157,741	121,585	-22.9%		
429	Miscellaneous durable goods	152,150	230,121	51.2%		
437	Paper and paper products	135,708	123,484	-9.0%		
438	Drugs, druggist sundries, chemicals and allied products	203,720	209,549	2.9%		
439	Apparel, piece goods and notions	143,254	134,300	-6.3%		
447	Groceries and related products	856,231	884,773	3.3%		
448	Farm product raw materials	66,222	46,085	-30.4%		
449	Petroleum and petroleum products	178,884	164,944	-7.8%		
456	Alcoholic beverages	127,390	134,238	5.4%		
457	Farm supplies	93,700	84,408	-9.9%		
	Miscellaneous nondurable goods	599,096	528,968	-11.7%		
458	Miscellaneous nondurable goods wholesalers	226,395	227,821	0.6%		
459	Not specified wholesale trade	372,700	301,147	-19.2%		
	Retail trade	**14,621,895**	**16,260,754**	**11.2%**		
	Motor vehicle and parts dealers	1,677,893	1,804,864	7.6%		
467	Automobile dealers	1,189,447	1,201,601	1.0%		
468	Other motor vehicle dealers	92,691	151,727	63.7%		
469	Auto parts, accessories, and tire stores	395,755	451,536	14.1%		
	Furniture and home furnishings and household appliances	660,803	741,443	12.2%		
477	Furniture and home furnishings stores	552,484	649,246	17.5%		
478	Household appliance stores	108,319	92,197	-14.9%		
479	Radio, TV and computer stores	407,219	828,653	103.5%		
	Building materials, hardware, and lawn and garden equipment stores	791,505	1,235,622	56.1%		
487	Building material and supplies dealers	484,159	817,688	68.9%		
488	Hardware stores	196,638	202,117	2.8%		
489	Lawn and garden equipment and supplies stores	110,708	215,817	94.9%		
	Food and beverage stores	3,381,639	3,354,435	-0.8%		
497	Grocery stores	3,026,264	3,033,947	0.3%		
498	Specialty food stores	209,264	213,560	2.1%		
499	Beer, wine, and liquor stores	146,111	106,928	-26.8%		
507	Pharmacies and drug stores	605,495	702,506	16.0%		
508	Other health and personal care stores	176,615	252,259	42.8%		
509	Gasoline stations	618,725	451,502	-27.0%		
	Clothing and apparel including shoes	962,853	899,434	-6.6%		
517	Clothing and accessories, except shoe, stores	783,943	742,420	-5.3%		

Table 8. 1990 Census Redistributed Industry Data Compared To Census 2000 Industry Data, Using the Census 2000 Industry Classification

1990 Data Redistributed to 2000			Census 2000	Percent		
Census 2000 Codes and Categories	Number	Number	Change, 1990-2000		
518	Shoe stores	178,910	157,014	-12.2%		
519	Jewelry, luggage and leather goods	194,094	194,944	0.4%		
527	Sporting goods, cameras, and hobby and toy stores	336,145	405,539	20.6%		
528	Sewing, needlework, and piece goods	76,213	56,383	-26.0%		
529	Music stores	124,118	147,095	18.5%		
537	Book stores and news dealers	121,682	182,039	49.6%		
	Department and other general stores	2,225,370	2,537,137	14.0%		
538	Department stores	1,919,006	2,398,187	25.0%		
539	Miscellaneous general merchandise stores	306,364	138,950	-54.6%		
547	Florists	196,844	183,957	-6.5%		
548	Office supplies and stationery	131,578	208,494	58.5%		
	Used merchandise, gift, novelty, souvenir, and miscellaneous stores	616,685	888,126	44.0%		
549	Used merchandise stores	122,380	209,516	71.2%		
557	Gift, novelty, and souvenir shops	197,187	273,266	38.6%		
558	Miscellaneous retail stores	297,118	405,344	36.4%		
559	Electronic shopping and mail order houses	152,164	308,534	102.8%		
567	Vending machine operators	79,940	61,541	-23.0%		
568	Fuel dealers	122,900	64,608	-47.4%		
	Other direct selling establishments	961,415	751,639	-21.8%		
569	Other direct selling establishments	214,406	220,482	2.8%		
579	Not specified retail trade	747,009	531,157	-28.9%		
	Transportation and warehousing, and utilities	**6,425,212**	**7,018,503**	**9.2%**		
	Transportation and warehousing	5,105,056	5,816,354	13.9%		
607	Air transportation	640,071	683,761	6.8%		
608	Rail transportation	312,918	276,049	-11.8%		
609	Water transportation	68,951	55,043	-20.2%		
617	Truck transportation	1,405,647	1,773,307	26.2%		
637	Postal Service	907,133	921,485	1.6%		
	Other transportation	1,539,816	1,814,714	17.9%		
618	Bus service and urban transit	388,519	466,519	20.1%		
619	Taxi and limousine service	141,570	189,190	33.6%		
627	Pipeline transportation	56,213	30,241	-46.2%		
628	Scenic and sightseeing transportation	43,252	30,076	-30.5%		
629	Services incidental to transportation	588,972	630,669	7.1%		
638	Courier and messengers	321,291	468,019	45.7%		
639	Warehousing and storage	230,519	291,995	26.7%		
	Utilities	1,320,156	1,202,149	-8.9%		
057	Electric power generation transmission and distribution	651,412	669,939	2.8%		
058	Natural gas distribution	128,411	136,006	5.9%		
059	Electric and gas and other combinations	143,405	46,318	-67.7%		
067	Water, steam, air-conditioning, and irrigation systems	192,742	218,249	13.2%		

Table 8. 1990 Census Redistributed Industry Data Compared To Census 2000 Industry Data, Using the Census 2000 Industry Classification

1990 Data Redistributed to 2000			Census 2000	Percent		
Census 2000 Codes and Categories	Number	Number	Change, 1990-2000		
068	Sewage treatment facilities	88,508	85,209	-3.7%		
069	Not specified utilities	115,678	46,428	-59.9%		
Information	**3,504,430**	**4,166,645**	**18.9%**		
Publishing, and motion picture and sound recording industries	1,413,254	1,412,285	-0.1%		
647	Newspaper publishers	534,505	538,001	0.7%		
648	Publishing except newspapers and software	470,507	430,665	-8.5%		
649	Software publishing	47,773	60,125	25.9%		
657	Motion pictures and video industries	317,762	341,702	7.5%		
659	Sound recording industries	42,707	41,792	-2.1%		
Broadcasting and telecommunications	1,634,701	1,995,234	22.1%		
667	Radio and television broadcasting and cable	414,986	610,448	47.1%		
668	Wired telecommunications carriers	816,845	963,601	18.0%		
669	Other telecommunication services	402,870	421,185	4.5%		
Information services and data processing services	456,475	759,126	66.3%		
677	Libraries and archives	218,899	265,530	21.3%		
678	Other information services	28,286	275,454	873.8%		
679	Data processing services	209,289	218,142	4.2%		
Finance, insurance, real estate and rental and leasing	**8,406,486**	**9,229,684**	**9.8%**		
Finance and insurance	6,111,292	6,682,880	9.4%		
687	Banking and related activities	2,009,028	1,925,333	-4.2%		
688	Savings institutions, including credit unions	286,659	210,114	-26.7%		
689	Non-depository credit and related activities	569,639	883,499	55.1%		
697	Securities, commodities, funds, trusts, and other financial investments	806,109	1,133,358	40.6%		
699	Insurance carriers and related activities	2,439,857	2,530,576	3.7%		
Real estate and rental and leasing	2,295,194	2,546,804	11.0%		
707	Real estate	1,900,648	2,036,085	7.1%		
708	Automotive equipment rental and leasing	154,439	186,911	21.0%		
717	Video tape and disk rental	127,165	135,414	6.5%		
718	Other consumer goods rental	69,371	108,407	56.3%		
719	Commercial, industrial, and other intangible assets rental and leasing	43,571	79,987	83.6%		
Professional, scientific, management, administrative, and waste	**9,583,572**	**12,788,103**	**33.4%**		
Professional, scientific, and technical services	5,765,907	7,834,500	35.9%		
727	Legal services	1,357,349	1,536,403	13.2%		
728	Accounting, tax preparation, bookkeeping and payroll services	828,533	910,296	9.9%		
729	Architectural, engineering, and related services	1,099,904	1,245,347	13.2%		
737	Specialized design services	181,935	280,620	54.2%		
738	Computer systems design and related services	428,535	1,284,534	199.7%		
739	Management, scientific and technical consulting services	581,476	1,004,182	72.7%		
746	Scientific research and development services	370,339	478,361	29.2%		
747	Advertising and related services	470,961	568,320	20.7%		
748	Veterinary services	134,404	224,790	67.2%		

Table 8. 1990 Census Redistributed Industry Data Compared To Census 2000 Industry Data, Using the Census 2000 Industry Classification

	1990 Data Redistributed to 2000		Census 2000	Percent		
	Census 2000 Codes and Categories	Number	Number	Change, 1990-2000		
749	Other professional, scientific and technical services	312,471	301,647	-3.5%		
757	Management of companies and enterprises	11,182	72,352	547.1%		
	Administrative and support, and waste management services	3,806,484	4,881,251	28.2%		
758	Employment services	498,403	953,858	91.4%		
759	Business support services	436,219	648,424	48.6%		
767	Travel arrangement and reservation services	327,807	319,185	-2.6%		
768	Investigation and security services	442,420	552,726	24.9%		
769	Services to buildings and dwellings	979,804	958,393	-2.2%		
777	Landscaping services	665,485	890,701	33.8%		
778	Other administrative and other support services	70,179	216,238	208.1%		
779	Waste management and remediation services	386,166	341,726	-11.5%		
	Educational, health, and social services	**21,775,021**	**26,669,541**	**22.5%**		
	Educational services	9,613,994	11,637,282	21.0%		
786	Elementary and secondary schools	6,487,630	7,940,753	22.4%		
787	Colleges and universities, including junior colleges	2,733,516	3,211,901	17.5%		
788	Business, technical, and trade schools and training	148,956	134,184	-9.9%		
789	Other schools, instruction, and educational services	243,892	350,444	43.7%		
	Health care and social assistance	12,161,028	15,032,259	23.6%		
	Health care	10,326,567	12,373,886	19.8%		
797	Offices of physicians	1,035,009	1,636,855	58.1%		
798	Offices of dentists	565,519	691,485	22.3%		
799	Office of chiropractors	96,114	115,862	20.5%		
807	Offices of optometrists	64,085	89,414	39.5%		
808	Offices of other health practitioners	287,717	271,706	-5.6%		
809	Outpatient care centers	360,379	576,698	60.0%		
817	Home health care services	277,090	654,316	136.1%		
818	Other health care services	519,424	730,782	40.7%		
819	Hospitals	5,345,067	5,391,763	0.9%		
827	Nursing care facilities	1,273,938	1,676,202	31.6%		
829	Residential care facilities, without nursing	502,224	538,803	7.3%		
	Social assistance	1,834,461	2,658,373	44.9%		
837	Individual and family services	543,595	671,778	23.6%		
838	Community food and housing, and emergency services	47,431	66,381	40.0%		
839	Vocational rehabilitation services	131,449	256,460	95.1%		
847	Child day care services	1,111,986	1,663,754	49.6%		
	Arts, entertainment, recreation, accommodation and food services	**9,271,233**	**11,274,668**	**21.6%**		
	Arts, entertainment, and recreation	1,686,041	2,511,887	49.0%		
856	Independent artists, performing arts, spectator sports, and related industries	602,361	622,907	3.4%		
857	Museums, art galleries, historical sites, and similar institutions	131,381	182,396	38.8%		
858	Bowling centers	65,335	61,617	-5.7%		
859	Other amusement, gambling, and recreation industries	886,964	1,644,967	85.5%		

Table 8. 1990 Census Redistributed Industry Data Compared To Census 2000 Industry Data, Using the Census 2000 Industry Classification

	1990 Data Redistributed to 2000		Census 2000	Percent		
	Census 2000 Codes and Categories	Number	Number	Change, 1990-2000		
	Accommodation and food services	7,585,192	8,762,781	15.5%		
866	Traveler accommodation	1,403,095	1,427,067	1.7%		
867	Recreational vehicle parks and camps, and rooming and boarding houses	70,604	75,715	7.2%		
868	Restaurants and other food services	5,900,632	7,019,605	19.0%		
869	Drinking places, alcoholic beverages	210,861	240,394	14.0%		
	Other services (except public administration)	**5,360,229**	**6,630,967**	**23.7%**		
	Repair and maintenance	1,557,678	2,146,171	37.8%		
877	Automotive repair and maintenance	954,599	1,386,882	45.3%		
878	Car washes	100,065	152,655	52.6%		
879	Electronic and precision equipment repair and maintenance	128,227	185,390	44.6%		
887	Commercial and industrial machinery and equipment repair and maintenance	138,586	208,290	50.3%		
888	Personal and household goods repair and maintenance	217,738	201,505	-7.5%		
889	Footwear and leather goods repair	18,462	11,449	-38.0%		
	Personal and laundry services	1,667,442	1,858,662	11.5%		
897	Barber shops	79,818	89,930	12.7%		
898	Beauty salons	670,777	803,269	19.8%		
899	Nail salons and other personal care services	130,434	173,320	32.9%		
907	Drycleaning and laundry services	398,894	378,989	-5.0%		
908	Funeral homes, cemeteries and crematories	180,275	144,593	-19.8%		
909	Other personal services	207,244	268,561	29.6%		
	Religious, grantmaking, civic, professional, and similar organizations	1,473,098	2,003,665	36.0%		
916	Religious organizations	856,440	1,024,021	19.6%		
917	Civic, social, advocacy organizations, and grantmaking and giving services	358,695	689,433	92.2%		
918	Labor unions	100,795	89,983	-10.7%		
919	Business, professional, political, and similar organizations	157,169	200,228	27.4%		
929	Private households	662,012	622,469	-6.0%		
	Public administration	**5,826,735**	**6,363,093**	**9.2%**		
937	Executive offices and legislative bodies	320,310	399,156	24.6%		
938	Public finance activities	332,799	352,267	5.8%		
939	Other general government and support	1,170,569	863,457	-26.2%		
947	Justice, public order, and safety activities	1,858,525	2,554,879	37.5%		
948	Administration of human resource programs	527,288	688,554	30.6%		
949	Administration of environmental quality and housing programs	230,484	249,643	8.3%		
957	Administration of economic programs and space research	557,683	629,400	12.9%		
959	National security and international affairs	829,077	625,737	-24.5%		
	Unemployed, not classified by industry	1,017,224	1,091,113	7.3%		

Table 9. 1990 Census Redistributed Occupation Data Compared to Census 2000 Occupation Data, Using the Census 2000 Occupation Classifications

Note the following:

1. the categories and groupings of categories in this table are shown in the order provided on most Census Bureau publications and files, NOT in numerical order;

2. codes in parentheses denote aggregated categories as shown on the Census 2000 EEO and 5% PUMS Files;

3. numbers and percents may not always add to totals due to rounding;

4. for a definition of terms and an explanation of the methodology used in this table, see the text of the accompanying Technical Paper.

	Census 2000 Codes and Categories	1990 Data Redistributed to 2000 Number	Census 2000 Number	Percent Change, 1990-2000
Total Civilian Labor Force		**123,473,450**	**137,668,798**	**11.5%**
	Management, professional, & related occupations:	**35,544,766**	**44,701,424**	**25.8%**
	Management, business, and financial operations occupations:	13,928,647	17,865,155	28.3%
	Management occupations:	9,203,669	12,164,973	32.2%
	Management occupations, except farmers & farm managers:	8,417,032	11,375,975	35.2%
	Top executives:	1,028,007	2,053,066	99.7%
001	Chief executives	495,004	1,126,479	127.6%
002	General and operations managers	520,288	910,520	75.0%
003	Legislators	12,716	16,067	26.4%
	Advertising, marketing, promotions, public relations, and sales managers:	711,126	1,226,992	72.5%
004	Advertising and promotions managers	84,351	80,190	-4.9%
005	Marketing and sales managers	583,636	1,081,438	85.3%
006	Public relations managers	43,139	65,364	51.5%
012	Financial managers	936,701	957,089	2.2%
	Operations specialties managers, except financial managers:	953,507	1,614,827	69.4%
010	Administrative services managers	65,322	93,838	43.7%
011	Computer and information systems managers	135,616	323,260	138.4%
013	Human resources managers	317,531	451,211	42.1%
014	Industrial production managers	93,789	306,370	226.7%
015	Purchasing managers	203,901	196,406	-3.7%
016	Transportation, storage, and distribution managers	137,347	243,742	77.5%
	Other management occupations, except farmers and farm managers:	4,787,690	5,524,001	15.4%
022	Construction managers	307,468	651,398	111.9%
023	Education administrators	682,000	703,601	3.2%
030	Engineering managers	75,062	158,859	111.6%
031	Food service managers	598,588	693,879	15.9%
032	Funeral directors	45,486	47,929	5.4%
033	Gaming managers	13,812	29,975	117.0%
034	Lodging managers	125,451	132,522	5.6%
035	Medical and health services managers	306,612	403,134	31.5%
036	Natural sciences managers	18,284	18,779	2.7%
040	Postmasters and mail superintendents	39,846	38,610	-3.1%
041	Property, real estate, and community association managers	400,648	436,826	9.0%
042	Social and community service managers	208,035	243,215	16.9%
043	Managers, all other	1,966,399	1,965,274	-0.1%
	Farmers and farm managers:	786,637	788,998	0.3%
020	Farm, ranch, and other agricultural managers	217,278	201,981	-7.0%
021	Farmers and ranchers	569,359	587,017	3.1%

Table 9. 1990 Census Redistributed Occupation Data Compared to Census 2000 Occupation Data, Using the Census 2000 Occupation Classification

1990 Data Redistributed to 2000			Census 2000	Percent Change, 1990-2000		
Census 2000 Codes and Categories	Number	Number				
	Business and financial operations occupations:	4,724,978	5,700,182	20.6%		
	Business operations specialists:	2,302,549	2,796,126	21.4%		
050	Agents and business managers of artists, performers, and athletes	39,471	37,587	-4.8%		
051	Purchasing agents and buyers, farm products	27,842	12,955	-53.5%		
052	Wholesale and retail buyers, except farm products	274,072	231,332	-15.6%		
053	Purchasing agents, except wholesale, retail, and farm products	236,314	262,677	11.2%		
054	Claims adjusters, appraisers, examiners, and investigators	384,707	296,191	-23.0%		
056	Compliance officers, except agriculture, construction, health & safety, & transportation	39,635	100,435	153.4%		
060	Cost estimators	188,861	107,874	-42.9%		
062	Human resources, training, and labor relations specialists	514,372	884,916	72.0%		
070	Logisticians	30,132	38,904	29.1%		
071	Management analysts	284,594	556,102	95.4%		
072	Meeting and convention planners	21,945	33,741	53.7%		
073	Other business operations specialists	260,602	233,412	-10.4%		
	Financial specialists:	2,422,429	2,904,056	19.9%		
080	Accountants and auditors	1,488,481	1,762,729	18.4%		
	Other financial specialists:	933,949	1,141,327	22.2%		
081	Appraisers and assessors of real estate	100,629	98,892	-1.7%		
082	Budget analysts	54,780	45,482	-17.0%		
083	Credit analysts	18,260	32,173	76.2%		
084	Financial analysts	32,050	61,799	92.8%		
085	Personal financial advisors	133,568	252,756	89.2%		
086	Insurance underwriters	95,150	83,611	-12.1%		
090	Financial examiners	2,033	11,848	482.8%		
091	Loan counselors and officers	268,677	324,470	20.8%		
093	Tax examiners, collectors, and revenue agents	87,684	72,312	-17.5%		
094	Tax preparers	102,256	113,360	10.9%		
095	Financial specialists, all other	38,860	44,624	14.8%		
	Professional and related occupations:	21,616,119	26,836,269	24.1%		
	Computer and mathematical occupations:	1,598,999	3,252,462	103.4%		
	Computer specialists:	1,393,121	3,095,829	122.2%		
100	Computer scientists and systems analysts	344,035	694,319	101.8%		
101	Computer programmers	706,646	663,445	-6.1%		
102	Computer software engineers	244,181	719,165	194.5%		
104	Computer support specialists	32,244	411,077	1174.9%		
106	Database administrators	4,208	78,830	1773.4%		
110	Network and computer systems administrators	32,463	199,583	514.8%		
111	Network systems and data communications analysts	29,344	329,410	1022.6%		
	Mathematical science occupations:	205,878	156,633	-23.9%		
120	Actuaries	18,732	22,378	19.5%		
122	Operations research analysts	149,709	104,521	-30.2%		
(124)	Miscellaneous mathematical science occupations, incl. mathematicians & statisticians:	37,437	29,734	-20.6%		
121	Mathematicians	5,088	2,900	-43.0%		
123	Statisticians	28,197	23,370	-17.1%		

Table 9. 1990 Census Redistributed Occupation Data Compared to Census 2000 Occupation Data, Using the Census 2000 Occupation Classification

1990 Data Redistributed to 2000					Census 2000	Percent Change, 1990-2000		
Census 2000 Codes and Categories					Number	Number		
124				Miscellaneous mathematical science occupations	4,152	3,464	-16.6%		
		Architecture and engineering occupations:			2,825,188	2,723,885	-3.6%		
		Architects, surveyors, cartographers, and engineers:			1,791,905	1,964,383	9.6%		
		Architects, surveyors, and cartographers:			222,664	228,502	2.6%		
130				Architects, except naval	167,151	192,861	15.4%		
131				Surveyors, cartographers, and photogrammetrists	55,513	35,641	-35.8%		
		Engineers:			1,569,240	1,735,881	10.6%		
132				Aerospace engineers	143,625	110,473	-23.1%		
135				Chemical engineers	61,503	65,078	5.8%		
136				Civil engineers	243,159	273,652	12.5%		
140				Computer hardware engineers	44,120	66,453	50.6%		
141				Electrical and electronic engineers	245,802	310,114	26.2%		
142				Environmental engineers	48,084	34,588	-28.1%		
143				Industrial engineers, including health and safety	181,510	191,278	5.4%		
144				Marine engineers and naval architects	11,811	10,860	-8.1%		
145				Materials engineers	26,075	38,737	48.6%		
146				Mechanical engineers	193,616	277,074	43.1%		
151				Nuclear engineers	10,606	8,538	-19.5%		
(152)				Petroleum, mining and geological engineers, including mining safety engineers:	29,404	22,547	-23.3%		
150				Mining and geological engineers, including mining safety engineers	6,298	6,559	4.1%		
152				Petroleum engineers	23,106	15,988	-30.8%		
(153)				Miscellaneous engineers:	329,925	326,489	-1.0%		
133				Agricultural engineers	2,148	2,773	29.1%		
134				Biomedical engineers	6,294	9,055	43.9%		
153				Engineers, all other	321,484	314,661	-2.1%		
		Drafters, engineering, and mapping technicians:			1,033,284	759,502	-26.5%		
154				Drafters	287,766	227,035	-21.1%		
155				Engineering technicians, except drafters	664,435	450,287	-32.2%		
156				Surveying and mapping technicians	81,083	82,180	1.4%		
		Life, physical, and social science occupations:			1,289,562	1,237,491	-4.0%		
		Life and physical scientists:			417,475	595,103	42.5%		
160				Agricultural and food scientists	29,255	28,018	-4.2%		
161				Biological scientists	65,196	83,964	28.8%		
164				Conservation scientists and foresters	33,065	28,340	-14.3%		
165				Medical scientists	30,608	81,621	166.7%		
170				Astronomers and physicists	27,404	20,336	-25.8%		
171				Atmospheric and space scientists	8,354	9,475	13.4%		
172				Chemists and materials scientists	144,981	107,359	-25.9%		
174				Environmental scientists and geoscientists	66,315	84,549	27.5%		
176				Physical scientists, all other	12,298	151,441	1131.4%		
		Social scientists and related workers:			369,681	346,772	-6.2%		
180				Economists	33,302	27,007	-18.9%		
181				Market and survey researchers	127,588	91,108	-28.6%		
182				Psychologists	158,717	170,725	7.6%		

Table 9. 1990 Census Redistributed Occupation Data Compared to Census 2000 Occupation Data, Using the Census 2000 Occupation Classification

1990 Data Redistributed to 2000			Census 2000	Percent		
Census 2000 Codes and Categories	Number	Number	Change, 1990-2000			
184	Urban and regional planners	27,183	21,793	-19.8%		
(186)	Miscellaneous social scientists and related workers, including sociologists:	22,891	36,139	57.9%		
183	Sociologists	2,211	2,790	26.2%		
186	Miscellaneous social scientists and related workers	20,680	33,349	61.3%		
	Life, physical, and social science technicians:	502,406	295,616	-41.2%		
190	Agricultural and food science technicians	23,069	27,417	18.8%		
191	Biological technicians	16,300	19,806	21.5%		
192	Chemical technicians	75,935	88,393	16.4%		
193	Geological and petroleum technicians	13,104	12,798	-2.3%		
(196)	Miscellaneous life, physical, and social science technicians:	373,998	147,202	-60.6%		
194	Nuclear technicians	34,610	3,800	-89.0%		
196	Other life, physical, and social science technicians	339,388	143,402	-57.7%		
	Community and social services occupations:	1,457,395	2,010,725	38.0%		
	Counselors, social workers, and other community and social service specialists:	1,034,367	1,485,765	43.6%		
200	Counselors	448,139	572,197	27.7%		
201	Social workers	388,310	644,634	66.0%		
202	Miscellaneous community and social service specialists	197,919	268,934	35.9%		
	Religious workers:	423,028	524,960	24.1%		
204	Clergy	339,421	388,926	14.6%		
205	Directors, religious activities and education	40,880	52,584	28.6%		
206	Religious workers, all other	42,727	83,450	95.3%		
	Legal occupations:	1,112,935	1,436,805	29.1%		
210	Lawyers	697,272	871,116	24.9%		
211	Judges, magistrates, and other judicial workers	60,710	58,353	-3.9%		
	Legal support workers:	354,953	507,336	42.9%		
214	Paralegals and legal assistants	136,122	287,736	111.4%		
215	Miscellaneous legal support workers	218,831	219,600	0.4%		
	Education, training, and library occupations:	5,945,472	7,480,786	25.8%		
220	Postsecondary teachers	940,963	1,148,525	22.1%		
	Teachers, primary, secondary, and special education:	3,941,098	4,514,801	14.6%		
	Teachers, preschool, kindergarten, elementary, and middle school:	3,374,960	3,567,147	5.7%		
230	Preschool and kindergarten teachers	269,330	441,827	64.0%		
231	Elementary and middle school teachers	3,105,630	3,125,320	0.6%		
232	Secondary school teachers	494,326	772,462	56.3%		
233	Special education teachers	71,812	175,192	144.0%		
	Librarians, curators, and archivists:	333,372	280,863	-15.8%		
240	Archivists, curators, and museum technicians	74,470	36,211	-51.4%		
243	Librarians	200,881	190,254	-5.3%		
244	Library Technicians	58,022	54,398	-6.2%		
	Other teachers, instructors, education, training, and library occupations:	730,038	1,536,597	110.5%		
234	Other teachers and instructors	331,312	562,290	69.7%		
254	Teacher assistants	368,010	915,915	148.9%		
255	Other education, training, and library workers	30,717	58,392	90.1%		
	Arts, design, entertainment, sports, and media occupations:	2,331,031	2,604,644	11.7%		

Table 9. 1990 Census Redistributed Occupation Data Compared to Census 2000 Occupation Data, Using the Census 2000 Occupation Classification

1990 Data Redistributed to 2000			Census 2000	Percent Change, 1990-2000		
Census 2000 Codes and Categories	Number	Number				
	Art and design workers:	897,844	981,026	9.3%		
260	Artists and related workers	278,516	231,690	-16.8%		
263	Designers	619,328	749,336	21.0%		
	Entertainers and performers, sports, and related workers:	472,378	606,585	28.4%		
270	Actors	35,916	38,603	7.5%		
271	Producers and directors	120,609	139,337	15.5%		
272	Athletes, coaches, umpires, and related workers	128,991	194,122	50.5%		
274	Dancers and choreographers	21,771	26,915	23.6%		
275	Musicians, singers, and related workers	148,162	170,017	14.8%		
276	Entertainers and performers, sports and related workers, all other	16,929	37,591	122.0%		
	Media and communications workers:	960,809	1,017,033	5.9%		
280	Announcers	68,590	54,856	-20.0%		
281	News analysts, reporters and correspondents	86,781	93,160	7.4%		
282	Public relations specialists	121,021	146,032	20.7%		
283	Editors	155,320	182,229	17.3%		
284	Technical writers	76,919	72,943	-5.2%		
285	Writers and authors	133,471	162,156	21.5%		
286	Miscellaneous media and communication workers	41,467	60,015	44.7%		
(290)	Broadcast & sound engineering technicians & radio operators & other media & communication equipment workers:	126,144	90,362	-28.4%		
290	Broadcast and sound engineering technicians and radio operators	125,504	89,492	-28.7%		
296	Media and communication equipment workers, all other	640	870	35.9%		
291	Photographers	117,084	124,047	5.9%		
292	Television, video, and motion picture camera operators and editors	34,010	31,233	-8.2%		
	Healthcare practitioners and technical occupations:	5,055,535	6,089,471	20.5%		
	Health diagnosing and treating practitioners and technical occupations:	3,422,957	4,200,169	22.7%		
306	Physicians and surgeons	571,320	705,960	23.6%		
313	Registered nurses	1,878,036	2,268,002	20.8%		
	Therapists:	341,818	496,021	45.1%		
314	Audiologists	14,534	12,264	-15.6%		
315	Occupational therapists	38,472	64,104	66.6%		
316	Physical therapists	103,192	134,949	30.8%		
320	Radiation therapists	5,196	10,544	102.9%		
321	Recreational therapists	18,667	17,125	-8.3%		
322	Respiratory therapists	64,895	88,361	36.2%		
323	Speech-language pathologists	50,179	95,662	90.6%		
324	Therapists, all other	46,684	73,012	56.4%		
	Other health diagnosing and treating practitioners and technical occupations:	631,783	730,186	15.6%		
300	Chiropractors	43,331	51,503	18.9%		
301	Dentists	155,529	155,715	0.1%		
303	Dietitians and nutritionists	86,930	80,439	-7.5%		
304	Optometrists	27,515	30,950	12.5%		
305	Pharmacists	181,798	206,358	13.5%		
311	Physician assistants	12,695	57,972	356.7%		

Table 9. 1990 Census Redistributed Occupation Data Compared to Census 2000 Occupation Data, Using the Census 2000 Occupation Classification

1990 Data Redistributed to 2000		Census 2000	Percent Change, 1990-2000
Census 2000 Codes and Categories	Number	Number	
312 Podiatrists	8,908	10,951	22.9%
325 Veterinarians	48,744	59,586	22.2%
326 Health diagnosing and treating practitioners, all other	3,783	10,043	165.5%
354 Other healthcare practitioners and technical occupations	62,551	66,669	6.6%
Health technologists and technicians:	1,632,578	1,889,302	15.7%
330 Clinical laboratory technologists and technicians	298,930	298,637	-0.1%
331 Dental hygienists	72,394	113,964	57.4%
332 Diagnostic related technologists and technicians	183,080	227,718	24.4%
340 Emergency medical technicians and paramedics	134,375	112,884	-16.0%
341 Health diagnosing and treating practitioner support technicians	113,803	307,095	169.8%
350 Licensed practical and licensed vocational nurses	594,102	596,357	0.4%
351 Medical records and health information technicians	139,238	99,297	-28.7%
352 Opticians, dispensing	52,952	50,359	-4.9%
353 Miscellaneous health technologists and technicians	43,706	82,991	89.9%
Service occupations:	**18,060,164**	**20,822,687**	**15.3%**
Healthcare support occupations:	2,119,125	2,760,742	30.3%
360 Nursing, psychiatric, and home health aides	1,371,280	1,802,659	31.5%
Occupational and physical therapist assistants and aides:	32,961	60,913	84.8%
361 Occupational therapist assistants and aides	9,665	10,473	8.4%
362 Physical therapist assistants and aides	23,296	50,440	116.5%
Other healthcare support occupations:	714,883	897,170	25.5%
363 Massage therapists	31,427	72,942	132.1%
364 Dental assistants	179,287	220,008	22.7%
365 Medical assistants and other healthcare support occupations	504,170	604,220	19.8%
Protective service occupations:	2,222,236	2,661,998	19.8%
Fire fighting, prevention, & law enforcement workers, incl. supervisors:	1,216,104	1,560,402	28.3%
Fire fighting and prevention workers, including supervisors:	276,221	307,734	11.4%
372 First-line supervisors/managers of fire fighting and prevention workers	37,511	46,058	22.8%
374 Fire fighters	216,913	242,395	11.7%
375 Fire inspectors	21,797	19,281	-11.5%
Law enforcement workers, including supervisors:	939,883	1,252,668	33.3%
370 First-line supervisors/managers of correctional officers	10,292	47,412	360.7%
371 First-line supervisors/managers of police and detectives	65,052	104,316	60.4%
380 Bailiffs, correctional officers, and jailers	229,791	380,672	65.7%
382 Detectives and criminal investigators	123,057	113,091	-8.1%
(384) Miscellaneous law enforcement officers:	19,585	9,251	-52.8%
383 Fish and game wardens	9,841	3,598	-63.4%
384 Parking enforcement workers	9,744	5,653	-42.0%
(385) Police officers:	492,107	597,926	21.5%
385 Police and sheriff's patrol officers	477,600	596,844	25.0%
386 Transit and railroad police	14,507	1,082	-92.5%
Other protective service workers, including supervisors:	1,006,132	1,101,596	9.5%
373 Supervisors, protective service workers, all other	48,080	89,276	85.7%
390 Animal control workers	7,726	10,681	38.3%

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1990 Data Redistributed to 2000					Census 2000	Percent Change, 1990-2000		
Census 2000 Codes and Categories				Number	Number			
391			Private detectives and investigators	66,449	63,989	-3.7%		
392			Security guards and gaming surveillance officers	691,232	784,023	13.4%		
394			Crossing guards	129,734	55,068	-57.6%		
395			Lifeguards and other protective service workers	62,911	98,559	56.7%		
	Food preparation and serving related occupations:			6,162,405	6,909,703	12.1%		
		Cooks and food preparation workers:		2,179,822	2,409,826	10.6%		
402			Cooks	1,599,506	1,859,409	16.2%		
403			Food preparation workers	580,315	550,417	-5.2%		
411			Waiters and waitresses	1,590,549	1,817,894	14.3%		
			Food and beverage serving workers, except waiters and waitresses:	932,660	1,067,142	14.4%		
404			Bartenders	330,710	343,281	3.8%		
405			Combined food preparation and serving workers, including fast food	227,384	362,226	59.3%		
406			Counter attendants, cafeteria, food concession, and coffee shop	260,861	205,435	-21.2%		
412			Food servers, nonrestaurant	113,705	156,200	37.4%		
			Other food preparation and serving workers, including supervisors:	1,459,374	1,614,841	10.7%		
400			Chefs and head cooks	235,724	251,684	6.8%		
401			First-line supervisors/managers of food preparation and serving workers	455,903	546,947	20.0%		
(413)			Dining room & cafeteria attendants, bartender helpers, & miscellaneous food preparation & serving related workers:	371,935	314,351	-15.5%		
413			Dining room and cafeteria attendants and bartender helpers	318,535	308,164	-3.3%		
416			Food preparation and serving related workers, all other	53,399	6,187	-88.4%		
414			Dishwashers	270,811	289,473	6.9%		
415			Hosts and hostesses, restaurant, lounge, and coffee shop	125,002	212,386	69.9%		
	Building and grounds cleaning and maintenance occupations:			4,458,424	4,647,811	4.2%		
420			First-line supervisors/managers of housekeeping and janitorial workers	269,102	187,378	-30.4%		
421			First-line supervisors/managers of landscaping, lawn service, & groundskeeping workers	97,327	134,201	37.9%		
422			Janitors and building cleaners	1,797,185	2,021,082	12.5%		
423			Maids and housekeeping cleaners	1,536,962	1,226,815	-20.2%		
424			Pest control workers	50,481	63,516	25.8%		
425			Grounds maintenance workers	707,367	1,014,819	43.5%		
	Personal care and service occupations:			3,097,974	3,842,433	24.0%		
		Personal appearance workers:		803,590	888,991	10.6%		
450			Barbers	81,572	88,329	8.3%		
451			Hairdressers, hairstylists, and cosmetologists	661,773	667,365	0.8%		
452			Miscellaneous personal appearance workers	60,245	133,297	121.3%		
		Transportation, tourism, and lodging attendants:		206,686	228,106	10.4%		
453			Baggage porters, bellhops, and concierges	62,116	55,805	-10.2%		
454			Tour and travel guides	37,419	39,040	4.3%		
455			Transportation attendants	107,151	133,261	24.4%		
460		Child care workers		1,114,658	1,402,709	25.8%		
		Supervisors and other personal care and service workers, except child care workers:		973,039	1,322,627	35.9%		
430			First-line supervisors/managers of gaming workers	63,181	56,447	-10.7%		
432			First-line supervisors/managers of personal service workers	25,954	113,641	337.9%		
434			Animal trainers	38,734	37,642	-2.8%		

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1990 Data Redistributed to 2000					Census 2000	Percent Change, 1990-2000		
Census 2000 Codes and Categories				Number	Number			
435			Nonfarm animal caretakers	94,103	120,284	27.8%		
440			Gaming services workers	45,139	90,872	101.3%		
441			Motion picture projectionists	10,357	10,113	-2.4%		
442			Ushers, lobby attendants, and ticket takers	57,248	57,030	-0.4%		
443			Miscellaneous entertainment attendants and related workers	102,905	145,852	41.7%		
446			Funeral service workers	9,670	13,532	39.9%		
461			Personal and home care aides	250,063	307,516	23.0%		
462			Recreation and fitness workers	212,155	262,392	23.7%		
464			Residential advisors	36,288	63,969	76.3%		
465			Personal care and service workers, all other	27,242	43,337	59.1%		
	Sales and office occupations:			**34,447,117**	**36,578,404**	**6.2%**		
	Sales and related occupations:			13,638,564	15,536,402	13.9%		
472			Cashiers	2,194,554	3,064,967	39.7%		
			Retail sales workers, except cashiers:	4,132,880	3,925,325	-5.0%		
474			Counter and rental clerks	223,045	167,158	-25.1%		
475			Parts salespersons	232,981	130,651	-43.9%		
476			Retail salespersons	3,676,854	3,627,516	-1.3%		
			Sales representatives, services, wholesale and manufacturing:	2,985,263	3,287,018	10.1%		
480			Advertising sales agents	169,376	211,909	25.1%		
481			Insurance sales agents	513,178	509,827	-0.7%		
482			Securities, commodities, and financial services sales agents	272,015	386,235	42.0%		
483			Travel agents	122,592	143,899	17.4%		
484			Sales representatives, services, all other	484,316	613,569	26.7%		
485			Sales representatives, wholesale and manufacturing	1,423,785	1,421,579	-0.2%		
			Other sales and related occupations, including supervisors:	4,325,867	5,259,092	21.6%		
470			First-line supervisors/managers of retail sales workers	1,957,033	2,829,821	44.6%		
471			First-line supervisors/managers of non-retail sales workers	671,369	950,244	41.5%		
490			Models, demonstrators, and product promoters	54,351	57,730	6.2%		
492			Real estate brokers and sales agents	719,720	672,854	-6.5%		
493			Sales engineers	43,616	33,825	-22.4%		
494			Telemarketers	248,271	292,350	17.8%		
495			Door-to-door sales workers, news and street vendors, and related workers	209,743	195,651	-6.7%		
496			Sales and related workers, all other	421,764	226,617	-46.3%		
	Office and administrative support occupations:			20,808,553	21,042,002	1.1%		
			Communications equipment operators:	250,422	178,687	-28.6%		
501			Switchboard operators, including answering service	99,878	80,150	-19.8%		
502			Telephone operators	139,374	85,755	-38.5%		
503			Communications equipment operators, all other	11,171	12,782	14.4%		
			Financial clerks, except bookkeeping, accounting and auditing clerks:	1,298,315	1,294,875	-0.3%		
510			Bill and account collectors	215,986	221,088	2.4%		
511			Billing and posting clerks and machine operators	356,569	397,939	11.6%		
513			Gaming cage workers	10,736	8,345	-22.3%		
514			Payroll and timekeeping clerks	179,480	211,735	18.0%		
515			Procurement clerks	38,569	38,887	0.8%		

Table 9. 1990 Census Redistributed Occupation Data Compared to Census 2000 Occupation Data, Using the Census 2000 Occupation Classification

1990 Data Redistributed to 2000		Census 2000	Percent Change, 1990-2000
Census 2000 Codes and Categories	Number	Number	
516 Tellers	496,975	416,881	-16.1%
512 Bookkeeping, accounting, and auditing clerks	1,795,444	1,758,891	-2.0%
Information and record clerks, except customer service representatives:	2,484,859	2,868,383	15.4%
520 Brokerage clerks	6,482	10,583	63.3%
522 Court, municipal, and license clerks	95,155	77,063	-19.0%
523 Credit authorizers, checkers, and clerks	64,463	55,092	-14.5%
525 Eligibility interviewers, government programs	58,124	63,355	9.0%
526 File Clerks	342,299	345,446	0.9%
530 Hotel, motel, and resort desk clerks	80,033	122,367	52.9%
531 Interviewers, except eligibility and loan	214,745	224,019	4.3%
532 Library assistants, clerical	109,758	156,282	42.4%
533 Loan interviewers and clerks	76,564	117,256	53.1%
534 New accounts clerks	11,636	16,710	43.6%
(535) Correspondence clerks and order clerks:	171,112	189,409	10.7%
521 Correspondence clerks	12,521	8,255	-34.1%
535 Order clerks	158,591	181,154	14.2%
536 Human resources assistants, except payroll and timekeeping	58,953	55,497	-5.9%
540 Receptionists and information clerks	997,372	1,159,828	16.3%
541 Reservation and transportation ticket agents and travel clerks	165,664	194,310	17.3%
542 Information and record clerks, all other	32,498	81,166	149.8%
524 Customer service representatives	745,475	2,111,319	183.2%
Material recording, scheduling, dispatching, and distributing workers:	3,499,908	3,616,082	3.3%
550 Cargo and freight agents	34,592	20,105	-41.9%
551 Couriers and messengers	150,463	203,547	35.3%
552 Dispatchers	214,190	256,413	19.7%
553 Meter readers, utilities	49,536	43,401	-12.4%
554 Postal service clerks	236,846	165,513	-30.1%
555 Postal service mail carriers	330,136	354,393	7.3%
556 Postal service mail sorters, processors, and processing machine operators	147,806	129,399	-12.5%
560 Production, planning, and expediting clerks	358,239	342,280	-4.5%
561 Shipping, receiving, and traffic clerks	569,958	672,165	17.9%
562 Stock clerks and order fillers	1,319,284	1,347,947	2.2%
563 Weighers, measurers, checkers, and samplers, recordkeeping	88,856	80,919	-8.9%
570 Secretaries and administrative assistants	4,308,804	3,858,937	-10.4%
Other office and administrative support workers, including supervisors:	6,425,327	5,354,828	-16.7%
500 First-line supervisors/managers of office and administrative support workers	2,017,755	1,721,232	-14.7%
580 Computer operators	666,727	268,996	-59.7%
581 Data entry keyers	632,428	637,411	0.8%
582 Word processors and typists	658,235	188,686	-71.3%
583 Desktop publishers	5,779	15,186	162.8%
584 Insurance claims and policy processing clerks	130,075	220,326	69.4%
585 Mail clerks and mail machine operators, except postal service	209,512	170,521	-18.6%
586 Office clerks, general	1,446,559	1,491,877	3.1%
590 Office machine operators, except computer	103,657	64,888	-37.4%

Table 9. 1990 Census Redistributed Occupation Data Compared to Census 2000 Occupation Data, Using the Census 2000 Occupation Classification

1990 Data Redistributed to 2000					Census 2000	Percent Change, 1990-2000		
Census 2000 Codes and Categories				Number	Number			
591			Proofreaders and copy markers	31,252	23,359	-25.3%		
592			Statistical assistants	56,405	32,972	-41.5%		
593			Office and administrative support workers, all other	466,942	519,374	11.2%		
	Farming, fishing, and forestry occupations:			**1,568,101**	**1,094,801**	**-30.2%**		
	Agricultural workers, including supervisors:			1,344,093	919,051	-31.6%		
600			First-line supervisors/managers of farming, fishing, and forestry workers	77,358	57,439	-25.7%		
601			Agricultural inspectors	42,599	11,945	-72.0%		
604			Graders and sorters, agricultural products	67,295	43,592	-35.2%		
(605)			Miscellaneous agricultural workers, including animal breeders:	1,156,841	806,075	-30.3%		
602			Animal breeders	14,841	5,389	-63.7%		
605			Miscellaneous agricultural workers	1,142,000	800,686	-29.9%		
	Fishing, hunting, and forestry occupations:			224,009	175,750	-21.5%		
(610)			Fishing and hunting workers:	60,440	51,098	-15.5%		
610			Fishers and related fishing workers	58,513	49,598	-15.2%		
611			Hunters and trappers	1,927	1,500	-22.2%		
612			Forest and conservation workers	23,639	18,979	-19.7%		
613			Logging workers	139,930	105,673	-24.5%		
	Construction, extraction, and maintenance occupations:			**11,864,871**	**13,086,906**	**10.3%**		
	Construction and extraction occupations:			7,117,392	7,767,387	9.1%		
620			Supervisors, construction and extraction workers	831,364	946,383	13.8%		
	Construction trades workers:			5,577,815	6,302,063	13.0%		
623			Carpenters	1,231,277	1,445,688	17.4%		
626			Construction laborers	953,882	1,266,233	32.7%		
635			Electricians	649,462	727,351	12.0%		
			Painters and paperhangers:	540,315	583,003	7.9%		
642			Painters, construction and maintenance	524,091	565,138	7.8%		
643			Paperhangers	16,224	17,865	10.1%		
644			Pipelayers, plumbers, pipefitters, and steamfitters	524,565	552,674	5.4%		
			Construction trades workers except carpenters, electricians, painters, plumbers, and cons	1,678,313	1,727,114	2.9%		
621			Boilermakers	24,293	21,109	-13.1%		
622			Brickmasons, blockmasons, and stonemasons	190,486	212,212	11.4%		
624			Carpet, floor, and tile installers and finishers	208,472	228,616	9.7%		
625			Cement masons, concrete finishers, and terrazzo workers	78,478	94,502	20.4%		
630			Paving, surfacing, and tamping equipment operators	24,234	18,527	-23.5%		
(632)			Miscellaneous construction equipment operators:	323,723	357,331	10.4%		
631			Pile-driver operators	5,066	1,956	-61.4%		
632			Operating engineers and other construction equipment operators	318,657	355,375	11.5%		
633			Drywall installers, ceiling tile installers, and tapers	228,756	191,811	-16.2%		
636			Glaziers	52,078	47,877	-8.1%		
640			Insulation workers	45,498	41,862	-8.0%		
646			Plasterers and stucco masons	43,109	45,091	4.6%		
651			Roofers	197,183	222,993	13.1%		
652			Sheet metal workers	174,404	161,338	-7.5%		
(653)			Iron and steel workers:	87,600	83,845	-4.3%		

Table 9. 1990 Census Redistributed Occupation Data Compared to Census 2000 Occupation Data, Using the Census 2000 Occupation Classification

1990 Data Redistributed to 2000		Census 2000	Percent Change, 1990-2000
Census 2000 Codes and Categories	Number	Number	
650 Reinforcing iron and rebar workers	14,736	6,242	-57.6%
653 Structural iron and steel workers	72,865	77,603	6.5%
Other construction workers and helpers:	504,188	385,935	-23.5%
660 Helpers, construction trades	169,227	76,976	-54.5%
666 Construction and building inspectors	84,471	79,564	-5.8%
670 Elevator installers and repairers	25,634	27,067	5.6%
671 Fence erectors	25,329	29,837	17.8%
672 Hazardous materials removal workers	31,606	22,425	-29.0%
673 Highway maintenance workers	99,843	96,187	-3.7%
674 Rail-track laying and maintenance equipment operators	12,314	12,199	-0.9%
675 Septic tank servicers and sewer pipe cleaners	19,563	8,176	-58.2%
676 Miscellaneous construction and related workers	36,201	33,504	-7.4%
Extraction workers:	204,025	133,006	-34.8%
(680) Derrick, rotary drill, and service unit operators, and roustabouts:	38,915	15,547	-60.0%
680 Derrick, rotary drill, and service unit operators, oil, gas, and mining	20,193	13,824	-31.5%
692 Roustabouts, oil and gas	18,722	1,723	-90.8%
682 Earth drillers, except oil and gas	24,184	29,141	20.5%
683 Explosives workers, ordnance handling experts, and blasters	9,396	9,588	2.0%
684 Mining machine operators	64,906	49,120	-24.3%
(694) Miscellaneous extraction workers:	66,624	29,610	-55.6%
691 Roof bolters, mining	7,540	3,277	-56.5%
693 Helpers--extraction workers	23,031	4,574	-80.1%
694 Other extraction workers	36,054	21,759	-39.6%
Installation, maintenance, and repair occupations:	4,747,479	5,319,519	12.0%
Vehicle and mobile equipment mechanics, installers, and repairers:	1,946,976	2,064,128	6.0%
714 Aircraft mechanics and service technicians	166,486	183,074	10.0%
715 Automotive body and related repairers	227,974	185,795	-18.5%
716 Automotive glass installers and repairers	19,160	14,805	-22.7%
720 Automotive service technicians and mechanics	939,660	1,057,992	12.6%
721 Bus and truck mechanics and diesel engine specialists	262,211	310,035	18.2%
722 Heavy vehicle and mobile equipment service technicians and mechanics	195,553	185,742	-5.0%
724 Small engine mechanics	62,022	52,371	-15.6%
726 Miscellaneous vehicle and mobile equipment mechanics, installers, and repairers	73,909	74,314	0.5%
Electrical equipment mechanics and other installation, maintenance, and repair workers, in	2,800,503	3,255,391	16.2%
700 First-line supervisors/managers of mechanics, installers, and repairers	453,285	381,936	-15.7%
701 Computer, automated teller, and office machine repairers	138,054	279,762	102.6%
702 Radio and telecommunications equipment installers and repairers	232,674	229,929	-1.2%
703 Avionics technicians	25,320	14,791	-41.6%
704 Electric motor, power tool, and related repairers	32,665	37,515	14.8%
(710) Electrical and electronics repairers, industrial, utility, & transportation equipment:	13,720	18,343	33.7%
705 Electrical and electronics installers and repairers, transportation equipment	2,915	4,536	55.6%
710 Electrical and electronics repairers, industrial and utility	10,805	13,807	27.8%
711 Electronic equipment installers and repairers, motor vehicles	38,011	26,283	-30.9%

Table 9. 1990 Census Redistributed Occupation Data Compared to Census 2000 Occupation Data, Using the Census 2000 Occupation Classification

1990 Data Redistributed to 2000		Census 2000	Percent Change, 1990-2000
Census 2000 Codes and Categories	Number	Number	
712 Electronic home entertainment equipment installers and repairers	33,389	47,375	41.9%
713 Security and fire alarm systems installers	24,523	46,692	90.4%
730 Control and valve installers and repairers	24,352	21,913	-10.0%
731 Heating, air conditioning, and refrigeration mechanics and installers	193,567	307,955	59.1%
732 Home appliance repairers	51,412	53,642	4.3%
733 Industrial and refractory machinery mechanics	360,533	486,446	34.9%
734 Maintenance and repair workers, general	355,971	445,056	25.0%
735 Maintenance workers, machinery	35,878	26,217	-26.9%
736 Millwrights	100,637	76,338	-24.1%
741 Electrical power-line installers and repairers	85,479	106,284	24.3%
742 Telecommunications line installers and repairers	127,905	176,484	38.0%
743 Precision instrument and equipment repairers	58,664	72,895	24.3%
751 Coin, vending, and amusement machine servicers and repairers	66,719	54,892	-17.7%
754 Locksmiths and safe repairers	29,137	29,462	1.1%
755 Manufactured building and mobile home installers	10,845	23,259	114.5%
756 Riggers	14,131	9,602	-32.0%
761 Helpers--installation, maintenance, and repair workers	33,301	20,509	-38.4%
(762) Other installation, maintenance, and repair workers, including commercial divers & signal & track switch repairers:	260,333	261,811	0.6%
752 Commercial divers	4,118	3,336	-19.0%
760 Signal and track switch repairers	7,515	5,259	-30.0%
762 Other installation, maintenance, and repair workers	248,700	253,216	1.8%
Production, transportation, and material moving occupations:	**20,988,480**	**20,303,953**	**-3.3%**
Production occupations:	12,968,140	11,716,607	-9.7%
Assemblers and fabricators:	1,741,975	1,647,042	-5.4%
771 Aircraft structure, surfaces, rigging, and systems assemblers	60,896	11,504	-81.1%
772 Electrical, electronics, and electromechanical assemblers	418,081	286,049	-31.6%
773 Engine and other machine assemblers	67,859	28,897	-57.4%
774 Structural metal fabricators and fitters	27,316	29,442	7.8%
775 Miscellaneous assemblers and fabricators	1,167,823	1,291,150	10.6%
Food processing workers:	674,565	557,436	-17.4%
780 Bakers	230,639	174,977	-24.1%
781 Butchers and other meat, poultry, and fish processing workers	341,245	284,894	-16.5%
783 Food and tobacco roasting, baking, and drying machine operators and tenders	12,235	9,921	-18.9%
784 Food batchmakers	77,938	79,022	1.4%
785 Food cooking machine operators and tenders	12,507	8,622	-31.1%
Metal workers and plastic workers:	2,456,152	2,451,742	-0.2%
790 Computer control programmers and operators	5,306	44,117	731.5%
792 Extruding and drawing machine setters, operators, and tenders, metal and plastic	19,759	18,194	-7.9%
793 Forging machine setters, operators, and tenders, metal and plastic	18,589	13,513	-27.3%
794 Rolling machine setters, operators, and tenders, metal and plastic	14,362	16,461	14.6%
795 Cutting, punching, & press machine setters, operators, & tenders, metal & plastic	149,036	145,864	-2.1%
796 Drilling and boring machine tool setters, operators, and tenders, metal and plastic	21,576	11,181	-48.2%

Table 9. 1990 Census Redistributed Occupation Data Compared to Census 2000 Occupation Data, Using the Census 2000 Occupation Classification

1990 Data Redistributed to 2000		Census 2000	Percent Change, 1990-2000
Census 2000 Codes and Categories	Number	Number	
800 Grinding, lapping, polishing, and buffing machine tool setters, operators, and tenders, metal and plastic	100,943	86,650	-14.2%
801 Lathe and turning machine tool setters, operators, and tenders, metal and plastic	40,494	19,631	-51.5%
803 Machinists	564,910	497,641	-11.9%
804 Metal furnace and kiln operators and tenders	54,633	35,871	-34.3%
806 Model makers and patternmakers, metal and plastic	18,290	16,105	-11.9%
810 Molders and molding machine setters, operators, and tenders, metal and plastic	98,231	99,465	1.3%
813 Tool and die makers	146,176	121,748	-16.7%
814 Welding, soldering, and brazing workers	669,119	648,773	-3.0%
815 Heat treating equipment setters, operators, and tenders, metal and plastic	18,206	12,544	-31.1%
816 Lay-out workers, metal and plastic	18,702	10,711	-42.7%
820 Plating and coating machine setters, operators, and tenders, metal and plastic	37,182	24,751	-33.4%
821 Tool grinders, filers, and sharpeners	24,721	13,755	-44.4%
(822) Other metalworkers and plastic workers:	435,916	614,767	41.0%
802 Milling and planing machine setters, operators, and tenders, metal and plastic	6,789	3,405	-49.8%
812 Multiple machine tool setters, operators, and tenders, metal and plastic	2,456	7,870	220.4%
822 Metalworkers and plastic workers, all other	426,671	603,492	41.4%
Printing workers:	604,849	430,598	-28.8%
823 Bookbinders and bindery workers	64,781	51,903	-19.9%
824 Job printers	85,372	90,830	6.4%
825 Prepress technicians and workers	170,789	80,145	-53.1%
826 Printing machine operators	283,907	207,720	-26.8%
Textile, apparel, and furnishings workers:	1,808,168	1,143,682	-36.7%
830 Laundry and dry-cleaning workers	224,583	223,824	-0.3%
831 Pressers, textile, garment, and related materials	153,646	92,456	-39.8%
832 Sewing machine operators	783,799	471,113	-39.9%
833 Shoe and leather workers and repairers	42,088	17,881	-57.5%
834 Shoe machine operators and tenders	36,029	10,066	-72.1%
835 Tailors, dressmakers, and sewers	156,022	109,248	-30.0%
836 Textile bleaching and dyeing machine operators and tenders	16,146	9,600	-40.5%
840 Textile cutting machine setters, operators, and tenders	45,576	17,815	-60.9%
841 Textile knitting and weaving machine setters, operators, and tenders	65,485	36,988	-43.5%
842 Textile winding, twisting, and drawing out machine setters, operators, and tenders	70,786	40,998	-42.1%
845 Upholsterers	79,372	60,059	-24.3%
(846) Miscellaneous textile, apparel, and furnishings workers:	134,634	53,634	-60.2%
843 Extruding and forming machine setters, operators, and tenders, synthetic and glass fibe	2,887	1,343	-53.5%
844 Fabric and apparel patternmakers	10,757	5,809	-46.0%
846 Textile, apparel, and furnishings workers, all other	120,990	46,482	-61.6%
Woodworkers:	291,805	277,775	-4.8%
850 Cabinetmakers and bench carpenters	77,648	88,634	14.1%
851 Furniture finishers	35,403	29,615	-16.3%
853 Sawing machine setters, operators, and tenders, wood	91,694	68,189	-25.6%
854 Woodworking machine setters, operators, and tenders, except sawing	48,616	49,268	1.3%
(855) Miscellaneous woodworkers:	38,443	42,069	9.4%

Table 9. 1990 Census Redistributed Occupation Data Compared to Census 2000 Occupation Data, Using the Census 2000 Occupation Classification

1990 Data Redistributed to 2000		Census 2000	Percent Change, 1990-2000
Census 2000 Codes and Categories	Number	Number	
852 Model makers and patternmakers, wood	2,871	1,220	-57.5%
855 Woodworkers, all other	35,573	40,849	14.8%
Plant and system operators:	316,525	259,330	-18.1%
860 Power plant operators, distributors, and dispatchers	52,147	42,505	-18.5%
861 Stationary engineers and boiler operators	147,694	99,330	-32.7%
862 Water and liquid waste treatment plant and system operators	56,163	73,468	30.8%
863 Miscellaneous plant and system operators	60,520	44,027	-27.3%
Other production occupations, including supervisors:	5,074,102	4,949,002	-2.5%
770 First-line supervisors/managers of production and operating workers	1,070,676	1,309,284	22.3%
864 Chemical processing machine setters, operators, and tenders	79,374	69,429	-12.5%
865 Crushing, grinding, polishing, mixing, and blending workers	165,222	115,846	-29.9%
871 Cutting workers	122,720	109,642	-10.7%
872 Extruding, forming, pressing, and compacting machine setters, operators, and tenders	77,299	45,499	-41.1%
873 Furnace, kiln, oven, drier, and kettle operators and tenders	32,422	22,598	-30.3%
874 Inspectors, testers, sorters, samplers, and weighers	878,028	928,635	5.8%
875 Jewelers and precious stone and metal workers	91,171	50,412	-44.7%
876 Medical, dental, and ophthalmic laboratory technicians	91,743	93,000	1.4%
880 Packaging and filling machine operators and tenders	323,013	307,259	-4.9%
881 Painting workers	198,910	184,158	-7.4%
883 Photographic process workers and processing machine operators	73,370	88,806	21.0%
885 Cementing and gluing machine operators and tenders	40,416	20,538	-49.2%
886 Cleaning, washing, and metal pickling equipment operators and tenders	32,199	15,782	-51.0%
891 Etchers and engravers	28,085	15,157	-46.0%
892 Molders, shapers, and casters, except metal and plastic	50,934	37,763	-25.9%
893 Paper goods machine setters, operators, and tenders	56,577	46,732	-17.4%
894 Tire builders	12,605	23,407	85.7%
895 Helpers--production workers	89,429	55,934	-37.5%
(896) Other production workers:	1,559,909	1,409,121	-9.7%
884 Semiconductor processors	2,677	6,589	146.1%
890 Cooling and freezing equipment operators and tenders	4,462	3,842	-13.9%
896 Production workers, all other	1,552,770	1,398,690	-9.9%
Transportation and material moving occupations:	8,020,340	8,587,346	7.1%
900 Supervisors, transportation, and material moving workers	474,571	245,612	-48.2%
Aircraft and traffic control occupations:	180,436	161,225	-10.6%
903 Aircraft pilots and flight engineers	109,826	124,825	13.7%
904 Air traffic controllers and airfield operations specialists	70,610	36,400	-48.4%
Motor vehicle operators:	3,664,212	4,060,474	10.8%
912 Bus drivers	437,703	511,144	16.8%
913 Driver/sales workers and truck drivers	2,895,103	3,282,792	13.4%
Motor vehicle operators, except bus and truck drivers:	331,406	266,538	-19.6%
914 Taxi drivers and chauffeurs	311,919	240,587	-22.9%
(915) Miscellaneous motor vehicle operators:	19,488	25,951	33.2%
911 Ambulance drivers and attendants, except emergency medical technicians	11,524	5,630	-51.1%
915 Motor vehicle operators, all other	7,963	20,321	155.2%

Table 9. 1990 Census Redistributed Occupation Data Compared to Census 2000 Occupation Data, Using the Census 2000 Occupation Classification

1990 Data Redistributed to 2000			Census 2000	Percent Change, 1990-2000
Census 2000 Codes and Categories		Number	Number	
	Rail, water and other transportation occupations:	522,003	432,908	-17.1%
	Rail and water transportation workers:	205,352	183,314	-10.7%
920	Locomotive engineers and operators	46,428	49,762	7.2%
923	Railroad brake, signal, and switch operators	33,259	10,068	-69.7%
924	Railroad conductors and yardmasters	37,573	48,331	28.6%
926	Subway, streetcar, and other rail transportation workers	18,986	10,498	-44.7%
930	Sailors and marine oilers	26,922	23,570	-12.5%
931	Ship and boat captains and operators	37,353	35,475	-5.0%
933	Ship engineers	4,832	5,610	16.1%
	Other transportation occupations:	316,651	249,594	-21.2%
935	Parking lot attendants	46,559	62,422	34.1%
936	Service station attendants	206,454	126,575	-38.7%
941	Transportation inspectors	40,776	39,947	-2.0%
(942)	Miscellaneous transportation workers:	22,862	20,650	-9.7%
934	Bridge and lock tenders	6,167	5,078	-17.7%
942	Other transportation workers	16,695	15,572	-6.7%
	Material moving workers:	3,179,117	3,687,127	16.0%
	Laborers and material movers, hand:	2,387,287	2,833,924	18.7%
961	Cleaners of vehicles and equipment	339,934	367,783	8.2%
962	Laborers and freight, stock, and material movers, hand	1,550,926	1,992,520	28.5%
963	Machine feeders and offbearers	101,027	55,586	-45.0%
964	Packers and packagers, hand	395,400	418,035	5.7%
	Other material moving workers, except laborers:	791,831	853,203	7.8%
951	Crane and tower operators	84,027	73,673	-12.3%
952	Dredge, excavating, and loading machine operators	79,437	60,297	-24.1%
956	Hoist and winch operators	11,963	10,437	-12.8%
960	Industrial truck and tractor operators	431,339	524,570	21.6%
965	Pumping station operators	23,535	19,394	-17.6%
972	Refuse and recyclable material collectors	85,993	88,457	2.9%
(975)	Miscellaneous material moving workers:	75,537	76,375	1.1%
950	Conveyor operators and tenders	8,074	6,107	-24.4%
973	Shuttle car operators	6,280	4,106	-34.6%
974	Tank car, truck, and ship loaders	1,794	5,163	187.8%
975	Material moving workers, all other	59,389	60,999	2.7%
	Unemployed, not classified by occupation	999,951	1,080,623	8.1%

Table 10. 1990 Census Redistributed Industry Data Compared to Census 2000 Industry Data, Using the Categories Found on Census 2000 Summary Files 3 and 4

Note: Numbers and percents may not always add to totals due to rounding. For a definition of terms and an explanation of the methodology used in this table, see the text of the accompanying Technical Paper.

SF-3 and SF-4 Categories	Number Employed, 1990 Census	Number Employed, Census 2000	Percent Change, 1990-2000
Total Employed	115,681,202	129,721,512	12.1%
Agriculture, forestry, fishing and hunting, and mining:	3,180,327	2,426,053	-23.7%
Agriculture, forestry, fishing and hunting	2,456,849	1,929,683	-21.5%
Mining	723,479	496,370	-31.4%
Construction	7,125,038	8,801,507	23.5%
Manufacturing	19,813,224	18,286,005	-7.7%
Food	1,424,000	1,410,629	-0.9%
Beverage and tobacco products	226,767	215,811	-4.8%
Textile mills and textile products	807,649	579,170	-28.3%
Apparel	1,077,249	515,707	-52.1%
Leather and allied products	143,890	79,387	-44.8%
Wood products	506,293	551,041	8.8%
Paper	626,676	583,282	-6.9%
Printing and related support activities	1,003,185	860,622	-14.2%
Petroleum and coal products	214,781	162,898	-24.2%
Chemical	1,241,402	1,127,846	-9.1%
Plastics and rubber products	647,799	850,965	31.4%
Nonmetallic mineral products	541,223	516,547	-4.6%
Metal	2,293,842	2,220,691	-3.2%
Machinery	1,535,993	1,373,068	-10.6%
Computer and electronic products	1,697,188	1,890,270	11.4%
Electrical equipment, appliances, and components	975,878	575,232	-41.1%
Transportation equipment	2,698,104	2,401,287	-11.0%
Furniture and related products	641,182	675,183	5.3%
Miscellaneous manufacturing	1,510,125	1,696,369	12.3%
Wholesale trade	5,010,902	4,666,757	-6.9%
Motor vehicles, parts and supplies	330,277	260,282	-21.2%
Furniture and home furnishings	105,256	101,183	-3.9%
Lumber and construction materials	191,842	184,226	-4.0%
Professional and commercial equipment and supplies	187,221	414,959	121.6%
Metals and minerals, except petroleum	88,587	87,455	-1.3%
Electrical goods	344,561	378,034	9.7%
Hardware, plumbing and heating equipment, and supplies	274,920	181,122	-34.1%
Machinery, equipment, and supplies	922,877	533,614	-42.2%
Recyclable materials	145,698	114,843	-21.2%
Miscellaneous durable goods	144,361	219,451	52.0%
Paper and paper products	130,889	118,620	-9.4%

Table 10. 1990 Census Redistributed Industry Data Compared to Census 2000 Industry Data, Using the Categories Found on Census 2000 Summary Files 3 and 4

SF-3 and SF-4 Categories	Number Employed, 1990 Census	Number Employed, Census 2000	Percent Change, 1990-2000
Drugs, druggist sundries, chemicals and allied products	196,269	202,570	3.2%
Apparel, piece goods and notions	134,357	124,937	-7.0%
Groceries and related products	801,750	831,910	3.8%
Farm product raw materials	62,926	43,916	-30.2%
Petroleum and petroleum products	171,659	159,951	-6.8%
Alcoholic beverages	121,793	129,799	6.6%
Farm supplies	89,624	80,933	-9.7%
Miscellaneous nondurable goods	566,034	498,952	-11.9%
Retail trade	13,672,631	15,221,716	11.3%
Motor vehicle and parts dealers	1,590,434	1,731,838	8.9%
Furniture and home furnishings and household appliances	625,179	703,936	12.6%
Radio, TV and computer stores	388,802	792,434	103.8%
Building materials, hardware, and lawn and garden equipment stores	750,098	1,180,682	57.4%
Food and beverage stores	3,145,341	3,115,543	-0.9%
Pharmacies and drug stores	579,084	669,172	15.6%
Other health and personal care stores	167,010	240,027	43.7%
Gasoline stations	563,137	407,344	-27.7%
Clothing and apparel including shoes	892,502	815,537	-8.6%
Jewelry, luggage and leather goods	184,046	186,436	1.3%
Sporting goods, cameras, and hobby and toy stores	311,228	373,750	20.1%
Sewing, needlework, and piece goods	72,395	54,004	-25.4%
Music stores	116,171	135,194	16.4%
Book stores and news dealers	115,414	168,803	46.3%
Department and other general stores	2,063,366	2,340,178	13.4%
Florists	186,056	174,432	-6.2%
Office supplies and stationery	124,835	196,996	57.8%
Used merchandise, gift, novelty, souvenir, and miscellaneous stores	582,117	834,652	43.4%
Electronic shopping and mail order houses	138,815	289,602	108.6%
Vending machine operators	75,678	59,457	-21.4%
Fuel dealers	117,214	62,361	-46.8%
Other direct selling establishments	883,708	689,338	-22.0%
Transportation and warehousing, and utilities	6,139,336	6,740,102	9.8%
Transportation and warehousing	4,850,882	5,565,853	14.7%
Air transportation	620,231	667,951	7.7%
Rail transportation	298,920	266,695	-10.8%
Water transportation	63,336	50,456	-20.3%
Truck transportation	1,310,629	1,684,591	28.5%
U.S. Postal Service	886,389	896,902	1.2%
Other transportation	1,460,968	1,731,114	18.5%
Warehousing and storage	210,410	268,144	27.4%
Utilities	1,288,454	1,174,249	-8.9%

Table 10. 1990 Census Redistributed Industry Data Compared to Census 2000 Industry Data, Using the Categories Found on Census 2000 Summary Files 3 and 4

SF-3 and SF-4 Categories	Number Employed, 1990 Census	Number Employed, Census 2000	Percent Change, 1990-2000
Information	3,352,424	3,996,564	19.2%
Publishing, and motion picture and sound recording industries	1,335,243	1,334,873	0.0%
Broadcasting and telecommunications	1,575,079	1,927,588	22.4%
Information services and data processing services	442,101	734,103	66.0%
Finance, insurance, real estate and rental and leasing	8,122,708	8,934,972	10.0%
Finance and insurance	5,933,464	6,486,572	9.3%
Real estate and rental and leasing	2,189,244	2,448,400	11.8%
Professional, scientific, management, administrative, and waste management services	8,999,116	12,061,865	34.0%
Professional, scientific, and technical services	5,555,371	7,596,861	36.7%
Management of companies and enterprises	10,724	70,471	557.1%
Administrative and support, and waste management services	3,433,022	4,394,533	28.0%
Educational, health, and social services	21,133,690	25,843,029	22.3%
Educational services	9,396,027	11,371,206	21.0%
Health care and social assistance	11,737,663	14,471,823	23.3%
Health care	9,989,347	11,954,657	19.7%
Social assistance	1,748,316	2,517,166	44.0%
Arts, entertainment, recreation, accommodation and food services	8,390,836	10,210,295	21.7%
Arts, entertainment, and recreation	1,559,117	2,306,485	47.9%
Accommodation and food services	6,831,720	7,903,810	15.7%
Other services (except public administration)	5,081,616	6,320,632	24.4%
Repair and maintenance	1,465,374	2,034,032	38.8%
Personal and laundry services	1,587,556	1,779,607	12.1%
Religious, grantmaking, civic, professional, and similar organizations	1,418,770	1,927,439	35.9%
Private households	609,915	579,554	-5.0%
Public administration	5,659,353	6,212,015	9.8%

Table 11. 1990 Census Redistributed Occupation Data Compared to Census 2000 Occupation Data, Using the Categories Found on Census 2000 Summary Files 3 and 4

Note: Numbers and percents may not always add to totals due to rounding. For a definition of terms and an explanation of the methodology used in this table, see the text of the accompanying Technical Paper.

SF-3 and SF-4 Categories	Number Employed, 1990 Census	Number Employed, Census 2000	Percent Change, 1990-2000
Total Employed	115,681,202	129,721,512	12.1%
Management, professional, & related occupations:	34,677,356	43,646,731	25.9%
Management, business, and financial operations occupations:	13,563,945	17,448,038	28.6%
Management occupations:	8,961,971	11,888,264	32.7%
Management occupations, except farmers and farm managers:	8,193,651	11,115,046	35.7%
Top executives	1,001,417	2,015,771	101.3%
Advertising, marketing, promotions, public relations, and sales managers	692,532	1,195,434	72.6%
Financial managers	915,044	938,136	2.5%
Operations specialties managers, except financial managers	926,150	1,572,872	69.8%
Other management occupations, except farmers and farm managers	4,658,508	5,392,833	15.8%
Farmers and farm managers	768,320	773,218	0.6%
Business and financial operations occupations:	4,601,974	5,559,774	20.8%
Business operations specialists	2,235,201	2,718,121	21.6%
Financial specialists:	2,366,773	2,841,653	20.1%
Accountants and auditors	1,454,818	1,726,236	18.7%
Other financial specialists	911,955	1,115,417	22.3%
Professional and related occupations:	21,113,411	26,198,693	24.1%
Computer and mathematical occupations:	1,563,769	3,168,447	102.6%
Computer specialists	1,361,923	3,014,441	121.3%
Mathematical science occupations	201,846	154,006	-23.7%
Architecture and engineering occupations:	2,745,384	2,659,298	-3.1%
Architects, surveyors, cartographers, and engineers:	1,752,469	1,926,689	9.9%
Architects, surveyors, and cartographers	215,975	224,234	3.8%
Engineers	1,536,494	1,702,455	10.8%
Drafters, engineering, and mapping technicians	992,915	732,609	-26.2%
Life, physical, and social science occupations:	1,254,975	1,203,443	-4.1%
Life and physical scientists	408,607	581,891	42.4%
Social scientists and related workers	360,899	339,806	-5.8%
Life, physical, and social science technicians	485,469	281,746	-42.0%
Community and social services occupations:	1,426,100	1,953,184	37.0%
Counselors, social workers, and other community and social service specialists	1,007,566	1,442,854	43.2%
Religious workers	418,534	510,330	21.9%
Legal occupations:	1,095,824	1,412,737	28.9%
Lawyers	690,263	862,037	24.9%
Judges, magistrates, and other judicial workers	59,842	57,791	-3.4%
Legal support workers	345,719	492,909	42.6%
Education, training, and library occupations:	5,834,733	7,337,276	25.8%

Table 11. 1990 Census Redistributed Occupation Data Compared to Census 2000 Occupation Data, Using the Categories Found on Census 2000 Summary Files 3 and 4

SF-3 and SF-4 Categories	Number Employed, 1990 Census	Number Employed, Census 2000	Percent Change, 1990-2000
Postsecondary teachers	921,428	1,127,597	22.4%
Teachers, primary, secondary, and special education:	3,883,453	4,454,895	14.7%
Teachers, preschool, kindergarten, elementary, and middle school	3,324,786	3,517,023	5.8%
Teachers, secondary school	488,016	764,581	56.7%
Teachers, special education	70,651	173,291	145.3%
Librarians, curators, and archivists	325,933	273,831	-16.0%
Other teachers, instructors, education, training, and library occupations	703,918	1,480,953	110.4%
Arts, design, entertainment, sports, and media occupations:	2,225,536	2,484,201	11.6%
Art and design workers	863,201	947,449	9.8%
Entertainers and performers, sports, and related workers	440,697	560,123	27.1%
Media and communications workers	921,639	976,629	6.0%
Healthcare practitioners and technical occupations:	4,967,091	5,980,107	20.4%
Health diagnosing and treating practitioners and technical occupations:	3,382,418	4,144,065	22.5%
Physicians and surgeons	568,309	700,846	23.3%
Registered nurses	1,853,853	2,233,864	20.5%
Therapists	337,144	488,700	45.0%
Other health diagnosing and treating practitioners and technical occupations	623,112	720,655	15.7%
Health technologists and technicians	1,584,673	1,836,042	15.9%
Service occupations:	16,667,140	19,276,947	15.7%
Healthcare support occupations:	1,987,137	2,592,815	30.5%
Nursing, psychiatric, and home health aides	1,277,893	1,674,755	31.1%
Occupational and physical therapist assistants and aides	31,287	58,811	88.0%
Other healthcare support occupations	677,957	859,249	26.7%
Protective service occupations:	2,114,937	2,549,906	20.6%
Fire fighting and law enforcement workers, including supervisors:	1,193,612	1,536,287	28.7%
Fire fighting and prevention workers, including supervisors	269,532	301,298	11.8%
Law enforcement workers, including supervisors	924,080	1,234,989	33.6%
Other protective service workers, including supervisors	921,325	1,013,619	10.0%
Food preparation and serving related occupations:	5,571,625	6,251,618	12.2%
Cooks and food preparation workers	1,952,050	2,164,587	10.9%
Waiters and waitresses	1,446,009	1,654,684	14.4%
Food and beverage serving workers, except waiters and waitresses	841,756	960,487	14.1%
Other food preparation and serving workers, including supervisors	1,331,810	1,471,860	10.5%
Building and grounds cleaning and maintenance occupations	4,058,221	4,254,365	4.8%
Personal care and service occupations:	2,935,220	3,628,243	23.6%
Personal appearance workers	782,333	866,246	10.7%
Transportation, tourism, and lodging attendants	196,351	218,177	11.1%
Child care workers	1,050,603	1,318,927	25.5%
Supervisors and other personal care and service workers, except child care workers	905,933	1,224,893	35.2%
Sales and office occupations:	32,715,689	34,621,390	5.8%
Sales and related occupations:	12,871,335	14,592,699	13.4%

Table 11. 1990 Census Redistributed Occupation Data Compared to Census 2000 Occupation Data, Using the Categories Found on Census 2000 Summary Files 3 and 4

SF-3 and SF-4 Categories	Number Employed, 1990 Census	Number Employed, Census 2000	Percent Change, 1990-2000
Cashiers	1,948,886	2,682,650	37.7%
Retail sales workers, except cashiers	3,859,714	3,661,788	-5.1%
Sales representatives, services, wholesale and manufacturing	2,887,433	3,195,340	10.7%
Other sales and related occupations, including supervisors	4,175,303	5,052,921	21.0%
Office and administrative support occupations:	19,844,354	20,028,691	0.9%
Communications equipment operators	236,409	167,816	-29.0%
Financial clerks, except bookkeeping, accounting and auditing clerks	1,247,071	1,246,073	-0.1%
Bookkeeping, accounting, and auditing clerks	1,732,493	1,703,122	-1.7%
Information and record clerks, except customer service representatives	2,337,888	2,695,936	15.3%
Customer service representatives	714,112	1,994,941	179.4%
Material recording, scheduling, dispatching, and distributing workers	3,272,757	3,386,339	3.5%
Secretaries and administrative assistants	4,161,705	3,725,070	-10.5%
Other office and administrative support workers, including supervisors	6,141,918	5,109,394	-16.8%
Farming, fishing, and forestry occupations:	1,407,001	951,810	-32.4%
Agricultural workers, including supervisors	1,211,399	796,262	-34.3%
Fishing, hunting, and forestry occupations	195,602	155,548	-20.5%
Construction, extraction, and maintenance occupations:	10,849,145	12,256,138	13.0%
Construction and extraction occupations:	6,320,971	7,149,269	13.1%
Supervisors, construction and extraction workers	786,687	911,013	15.8%
Carpenters	1,092,719	1,342,230	22.8%
Construction laborers	787,626	1,102,801	40.0%
Electricians	608,104	695,711	14.4%
Painters and paperhangers	474,771	529,051	11.4%
Pipelayers, plumbers, pipefitters, and steamfitters	481,202	520,846	8.2%
Construction trades workers except carpenters, electricians, painters, plumbers, and constructio	1,471,203	1,570,332	6.7%
Other construction workers and helpers	436,463	355,116	-18.6%
Extraction workers	182,196	122,169	-32.9%
Installation, maintenance, and repair occupations:	4,528,173	5,106,869	12.8%
Vehicle and mobile equipment mechanics, installers, and repairers	1,844,467	1,973,568	7.0%
Electrical equipment mechanics and other installation, maintenance, and repair workers, includi	2,683,707	3,133,301	16.8%
Production, transportation, and material moving occupations:	19,364,872	18,968,496	-2.0%
Production occupations:	11,994,886	11,008,625	-8.2%
Assemblers and fabricators	1,563,471	1,523,925	-2.5%
Food processing workers	623,040	521,296	-16.3%
Metal workers and plastic workers	2,297,292	2,324,580	1.2%
Printing workers	575,024	410,632	-28.6%
Textile, apparel, and furnishings workers	1,651,825	1,054,874	-36.1%
Woodworkers	269,641	261,571	-3.0%
Plant and system operators	307,860	253,465	-17.7%
Other production occupations, including supervisors	4,706,733	4,658,282	-1.0%
Transportation and material moving occupations:	7,369,986	7,959,871	8.0%

Table 11. 1990 Census Redistributed Occupation Data Compared to Census 2000 Occupation Data, Using the Categories Found on Census 2000 Summary Files 3 and 4

SF-3 and SF-4 Categories	Number Employed, 1990 Census	Number Employed, Census 2000	Percent Change, 1990-2000
Supervisors, transportation, and material moving workers	459,868	237,902	-48.3%
Aircraft and traffic control occupations	174,889	158,481	-9.4%
Motor vehicle operators:	3,416,359	3,852,820	12.8%
Bus drivers	422,837	496,379	17.4%
Driver/sales workers and truck drivers	2,684,497	3,104,853	15.7%
Motor vehicle operators, except bus and truck drivers	309,026	251,588	-18.6%
Rail, water, and other transportation workers:	479,736	400,826	-16.4%
Rail and water transportation workers	193,353	173,636	-10.2%
Other transportation occupations	286,384	227,190	-20.7%
Material moving workers:	2,839,134	3,309,842	16.6%
Laborers and material movers, hand	2,115,242	2,521,129	19.2%
Other material moving workers, except laborers	723,892	788,713	9.0%

1990-2000 Census Tabulation Crosswalk Template: Industry

Conversion of 1990 Census STF-3 Industry Categories to Census 2000 SF-3 Industry Categories

Geographic Area:

Section 1: Copy the Following Data From the 1990 Census STF-3 Detailed Tables:

P077. INDUSTRY - Universe: Employed persons 16 years and over

Note: 1990 STF-3 provides data for Total Employed only.

	Total
Employed persons 16 years and over	0
Agriculture, forestry, and fisheries (000-039)	
Mining (040-059)	
Construction (060-099)	
Manufacturing, nondurable goods (100-229)	
Manufacturing, durable goods (230-399)	
Transportation (400-439)	
Communications and other public utilities (440-499)	
Wholesale trade (500-579)	
Retail trade (580-699)	
Finance, insurance, and real estate (700-720)	
Business and repair services (721-760)	
Personal services (761-799)	
Entertainment and recreation services (800-811)	
Professional and related services (812-899):	
Health services (812-840)	
Educational services (842-860)	
Other professional and related services (841, 861-899)	
Public administration (900-939)	

Section 2: Copy the Following Data From the Census 2000 SF-3 Detailed Tables:

P51. SEX BY INDUSTRY FOR THE EMPLOYED CIVILIAN POPULATION 16 YEARS AND OVER

Note: 2000 SF-3 provides data for employed by sex; copy data using instructions provided into the Male & Female columns; this table will compute the Total column.

	Male:	Female:	Total:
Total (Civilian Employed Population 16 and Over):			0
Agriculture, forestry, fishing and hunting, and mining:			0
Agriculture, forestry, fishing and hunting			0
Mining			0
Construction			0
Manufacturing			0
Wholesale trade			0
Retail trade			0
Transportation and warehousing, and utilities:			0
Transportation and warehousing			0
Utilities			0
Information			0
Finance, insurance, real estate and rental and leasing:			0
Finance and insurance			0
Real estate and rental and leasing			0
Professional, scientific, management, administrative, and waste management services:			0
Professional, scientific, and technical services			0
Management of companies and enterprises			0
Administrative and support and waste management services			0
Educational, health and social services:			0
Educational services			0
Health care and social assistance			0
Arts, entertainment, recreation, accommodation and food services:			0
Arts, entertainment, and recreation			0
Accommodation and food services			0
Other services (except public administration)			0
Public administration			0

Section 3: 1990 STF-3 Industry Categories (17) and Conversion Factors (Percents)						Section 4: Conversion to 2000 SF-3 Categories (20)				
						Note: all data in this table add up to the 1990 totals				
Category	Label	1990 Codes	Number Employed	Percent	To	Category	Label	2000 Codes	Number Employed	100% To
Agriculture, forestry, & fisheries	90AGF	010-032	0	74.05906	2KAGF	Agriculture, forestry, fishing & hunting	2KAGF	017-029	0	2KAGM
				0.07867	2KMFG					
				5.78432	2KPST					
				19.04331	2KAWM					
				0.91662	2KOTS					
				0.11801	2KPUB					
Mining	90MIN	040-050	0	99.26244	2KMIN	Mining	2KMIN	037-049	0	2KAGM
				0.36878	2KPST					
				0.36878	2KMGM					
Construction	90CON	060	0	95.97523	2KCON	Construction	2KCON	077	0	2KCON
				0.30960	2KMFG					
				1.54799	2KPST					
				2.16718	2KAWM					
Manufacturing, nondurable goods	90MFN	100-222	0	0.05710	2KAGF	Manufacturing	2KMFG	107-399	0	2KMFG
				0.02786	2KMIN					
				88.00460	2KMFG					
				11.91044	2KINF					
Manufacturing, durable goods	90MFD	230-392	0	1.10471	2KAGF					
				98.71923	2KMFG					
				0.01228	2KENT					
				0.08272	2KPST					
				0.08105	2KOTS					
Transportation	90TRN	400-432	0	0.22625	2KMFG	Transportation & warehousing	2KTRW	607-639	0	2KTWU
				90.73461	2KTRW					
				0.47365	2KRRL					
				0.26196	2KENT					
				1.00235	2KHCS					
				7.22692	2KAWM					
				0.07425	2KPUB					
Communications & other public utilities	90CMU	440-472	0	1.20467	2KCON	Utilities	2KUTL	057-069	0	2KTWU
				1.53237	2KTRW	Information	2KINF	647-679	0	2KINF
				41.60250	2KUTL					
				50.31255	2KINF					
				0.26501	2KFIN					
				4.52992	2KAWM					
				0.55299	2KPUB					
Wholesale trade	90WHL	500-571	0	0.04211	2KAGF	Wholesale trade	2KWHL	407-459	0	2KWHL
				0.73013	2KCON					
				0.23279	2KMFG					
				98.44436	2KWHL					
				0.46326	2KRET					
				0.08735	2KPST					
Retail trade	90RET	580-691	0	0.06632	2KCON	Retail trade	2KRET	467-579	0	2KRET
				1.52121	2KMFG					
				0.14023	2KTRW					
				0.09629	2KWHL					
				69.87088	2KRET					
				0.10016	2KFIN					
				0.15492	2KENT					
				28.04998	2KACF					
Finance, insurance & real estate	90FIR	700-712	0	0.87669	2KCON	Finance & insurance	2KFIN	687-699	0	2KFIL
				73.64623	2KFIN	Real estate, & rental & leasing	2KRRL	707-719	0	2KFIL
				22.09369	2KRRL					
				0.25048	2KACF					
				0.37573	2KHCS					
				1.13490	2KPST					

				0.05111	2KMGM					
				1.17829	2KOTS					
				0.39288	2KPUB					
Business & repair services	90BUS	721-760	0	0.10431	2KAGF					
				0.05644	2KMIN					
				0.77800	2KCON					
				0.85176	2KMFG					
				1.75535	2KTRW					
				5.77374	2KINF					
				0.61556	2KRET					
				0.45152	2KFIN					
				4.13103	2KRRL					
				0.53622	2KENT					
				0.35729	2KHCS					
				20.62550	2KPST					
				36.79605	2KAWM					
				27.16724	2KOTS					
Personal services	90PER	761-791	0	0.27880	2KMFG					
				1.32839	2KRRL					
				1.26452	2KENT					
				34.02542	2KACF					
				0.50686	2KHCS					
				0.84889	2KEDU					
				5.50064	2KPST					
				2.13251	2KAWM					
				54.11398	2KOTS					
Entertainment & recreation services	90ENT	800-810	0	0.15127	2KMFG	Arts, entertainment, & recreation	2KENT	856-859	0	2KAEF
				18.30316	2KINF	Accomodation & food services	2KACF	866-869	0	2KAEF
				7.44021	2KRRL					
				68.01312	2KENT					
				2.28459	2KACF					
				2.28459	2KEDU					
				0.25384	2KAWM					
				1.01537	2KOTS					
				0.25384	2KPUB					
Health services	90HLT	812-840	0	0.73652	2KMFG	Health care & social assistance	2KHCS	797-847	0	2KEHS
				98.82157	2KHCS					
				0.44191	2KPUB					
Educational services	90EDU	842-860	0	0.31306	2KTRW	Educational services	2KEDU	786-789	0	2KEHS
				2.21608	2KINF					
				0.62611	2KACF					
				0.11310	2KHCS					
				96.70903	2KEDU					
				0.02262	2KOTS					
Other professional & related services	90PRO	841,861-893	0	4.22696	2KENT	Professional, scientific, & technical services	2KPST	727-749	0	2KPSM
				25.95366	2KHCS	Management of companies & enterprises	2KMGM	757	0	2KPSM
				0.14358	2KEDU	Administrative, support & waste managemnt serv	2KAWM	758-779	0	2KPSM
				49.50912	2KPST	Other services (except public administration)	2KOTS	877-929	0	2KOTS
				0.05174	2KMGM					
				0.38198	2KAWM					
				18.38712	2KOTS					
				1.34582	2KPUB					
Public administration	90PUB	900-932	0	0.24035	2KTRW	Public administration	2KPUB	937-959	0	2KPUB
				0.80691	2KHCS					
				0.17931	2KAWM					
				0.30861	2KOTS					
				98.46481	2KPUB					
TOTAL			0			TOTAL			0	

Section 5: Conversion to 2000 "Quick" Table & Profile Categories (13)						Section 6: Comparison of 1990 to 2000, Using Census 2000 Industrial Category Definitions				
Note: all data in this table add up to the 1990 totals										
Category	**Label**	**2000 Codes**	**Number Employed**			**SF-3 / Demographic Profile Category (Profile categories in bold)**		**Number Employed, 1990 Census**	**Number Employed, Census 2000**	**Percent Change, 1990-2000**
Agriculture, forestry, fishing and hunting, and mining:	2KAGM	017-049	0			**Agriculture, forestry, fishing and hunting, and mining:**		0	0	#DIV/0!
						Agriculture, forestry, fishing and hunting		0	0	#DIV/0!
						Mining		0	0	#DIV/0!
Construction	2KCON	077	0			**Construction**		0	0	#DIV/0!
Manufacturing	2KMFG	107-399	0			**Manufacturing**		0	0	#DIV/0!
Wholesale trade	2KWHL	407-459	0			**Wholesale trade**		0	0	#DIV/0!
Retail trade	2KRET	467-579	0			**Retail trade**		0	0	#DIV/0!
Transportation and warehousing, and utilities:	2KTWU	057-069,607-639	0			**Transportation and warehousing, and utilities:**		0	0	#DIV/0!
						Transportation and warehousing		0	0	#DIV/0!
						Utilities		0	0	#DIV/0!
Information	2KINF	647-679	0			**Information**		0	0	#DIV/0!
Finance, insurance, real estate and rental and leasing:	2KFIL	687-719	0			**Finance, insurance, real estate and rental and leasing:**		0	0	#DIV/0!
						Finance and insurance		0	0	#DIV/0!
						Real estate and rental and leasing		0	0	#DIV/0!
Professional, scientific, management, administrative, and waste management services:	2KPSM	727-779	0			**Professional, scientific, management, administrative, and waste management services:**		0	0	#DIV/0!
						Professional, scientific, and technical services		0	0	#DIV/0!
						Management of companies and enterprises		0	0	#DIV/0!
						Administrative & support & waste management servs.		0	0	#DIV/0!
Educational, health and social services:	2KEHS	786-847	0			**Educational, health and social services:**		0	0	#DIV/0!
						Educational services		0	0	#DIV/0!
						Health care and social assistance		0	0	#DIV/0!
Arts, entertainment, recreation, accommodation and food services:	2KAEF	856-869	0			**Arts, entertainment, recreation, accommodation and food services:**		0	0	#DIV/0!
						Arts, entertainment, and recreation		0	0	#DIV/0!
						Accommodation and food services		0	0	#DIV/0!
Other services (except public administration)	2KOTS	877-929	0			**Other services (except public administration)**		0	0	#DIV/0!
Public administration	2KPUB	937-959	0			**Public administration**		0	0	#DIV/0!
TOTAL			0			**TOTAL**		0	0	#DIV/0!

1990-2000 Census Tabulation Crosswalk Template: Occupation

Conversion of 1990 Census STF-3 Occupation Categories to Census 2000 SF-3 Occupation Categories

Geographic Area:

Section 1: Copy the Following Data From the 1990 Census STF-3 Detailed Tables:

P078. OCCUPATION - Universe: Employed persons 16 years and over

Note: 1990 STF-3 provides data for Total Employed only.

	Total
Employed persons 16 years and over	0
Managerial and professional specialty occupations (000-202):	
Executive, administrative, & managerial occs (000-042)	
Professional specialty occupations (043-202)	
Technical, sales, and administrative support occs (203-402):	
Technicians and related support occupations (203-242)	
Sales occupations (243-302)	
Administrative support occupations, incl. clerical (303-402)	
Service occupations (403-472):	
Private household occupations (403-412)	
Protective service occupations (413-432)	
Service occupations, exc. protective & household (433-472)	
Farming, forestry, and fishing occupations (473-502)	
Precision production, craft, and repair occupations (503-702)	
Operators, fabricators, and laborers (703-902):	
Machine operators, assemblers, and inspectors (703-802)	
Transportation and material moving occupations (803-863)	
Handlers, equipment cleaners, helpers, & laborers (864-902)	

Section 2: Copy the Following Data From the Census 2000 SF-3 Detailed Tables:

P50. SEX BY OCCUPATION FOR THE EMPLOYED CIVILIAN POPULATION 16 YEARS AND OVER

Note: 2000 SF-3 provides data for employed by sex; copy data using instructions provided into the Male/Female columns; this table will compute the Total column.

	Male:	Female:	Total:
Civilian Employed Population 16 and Over:			0
Management, professional, and related occupations:			0
Management, business, and financial operations occupations:			0
Management occupations, except farmers & farm managers			0
Farmers and farm managers			0
Business and financial operations occupations:			0
Business operations specialists			0
Financial specialists			0
Professional and related occupations:			0
Computer and mathematical occupations			0
Architecture and engineering occupations:			0
Architects, surveyors, cartographers, and engineers			0
Drafters, engineering, and mapping technicians			0
Life, physical, and social science occupations			0
Community and social services occupations			0
Legal occupations			0
Education, training, and library occupations			0
Arts, design, entertainment, sports, and media occupations			0
Healthcare practitioners and technical occupations:			0
Health diagnosing and treating practitioners & technical occs			0
Health technologists and technicians			0
Service occupations:			0
Healthcare support occupations			0
Protective service occupations:			0
Fire fighting, prevention, and law enforcement workers, incl. supervisors			0
Other protective service workers, including supervisors			0
Food preparation and serving related occupations			0
Building and grounds cleaning and maintenance occupations			0
Personal care and service occupations			0
Sales and office occupations:			0
Sales and related occupations			0
Office and administrative support occupations			0
Farming, fishing, and forestry occupations			0
Construction, extraction, and maintenance occupations:			0
Construction and extraction occupations:			0
Supervisors, construction and extraction workers			0
Construction trades workers			0
Extraction workers			0
Installation, maintenance, and repair occupations			0
Production, transportation, and material moving occupations:			0
Production occupations			0
Transportation and material moving occupations:			0
Supervisors, transportation and material moving workers			0
Aircraft and traffic control occupations			0
Motor vehicle operators			0
Rail, water and other transportation occupations			0
Material moving workers			0

Section 3: 1990 STF-3 Occupation Categories (13) and Conversion Factors (Percents)						Section 4: Conversion to 2000 SF-3 Categories (33)				
						Note: all data in this table add up to the 1990 totals				
Category	**Label**	**1990 Codes**	**Number Employed**	**Percent**	**To**	**Category**	**Label**	**2000 Codes**	**Number Employed**	**100% To**
Executive, administrative, & managerial occs	90EAM	003-037	0	55.80085	2KMGR	Management occs, exc. farmers & farm managers	2KMGR	001-016,022-043	0	2KMPR
				12.33205	2KBUS	Farmers & farm managers	2KFRM	020,021	0	2KMPR
				15.21574	2KFIN	Business operations specialists	2KBUS	050-073	0	2KMPR
				0.53699	2KCPT	Financial specialists	2KFIN	080-095	0	2KMPR
				0.05353	2KENG					
				0.01836	2KSCI					
				0.36499	2KSOC					
				0.16436	2KLEG					
				0.32117	2KEDU					
				0.37470	2KENT					
				0.16680	2KHDT					
				1.78342	2KSAL					
				6.43384	2KOFF					
				0.22317	2KFPD					
				0.20761	2KOPT					
				1.99608	2KEAT					
				0.26764	2KBGM					
				1.02739	2KPER					
				0.27833	2KFFF					
				0.53878	2KCON					
				0.69587	2KIMR					
				0.03711	2KPRD					
				0.96352	2KSTM					
				0.16059	2KAIR					
				0.03711	2KRWT					
Professional specialty occs	90PRO	043-199	0	0.52047	2KMGR	Computer & mathematical occs	2KCPT	100-124	0	2KMPR
				0.00562	2KFRM					
				0.20986	2KBUS	Architects, surveyors, cartographers, & engineers	2KENG	130-153	0	2KMPR
				4.98110	2KCPT					
				10.42993	2KENG					
				0.00147	2KETC					
				4.54881	2KSCI					
				8.17025	2KSOC					
				4.73206	2KLEG					
				32.85030	2KEDU					
				12.12467	2KENT					
				20.14438	2KHDT					
				0.17983	2KHTC					
				0.01103	2KSAL					
				0.00735	2KOFF					
				0.26813	2KHSP					
				0.71882	2KPER					
				0.00936	2KFFF					
				0.02382	2KIMR					
				0.05425	2KPRD					
				0.00851	2KRWT					
Technicians & related support occs	90TEC	203-235	0	15.82883	2KCPT	Drafters, engineering & mapping technicians	2KETC	154-156	0	2KMPR
				1.03786	2KENG	Life, physical, & social science occs	2KSCI	160-196	0	2KMPR
				23.23360	2KETC	Community & social services occs	2KSOC	200-206	0	2KMPR
				11.87954	2KSCI	Legal occs	2KLEG	210-215	0	2KMPR
				0.04154	2KSOC					
				5.79650	2KLEG	Education, training, & library occs	2KEDU	220-255	0	2KMPR
				0.47741	2KEDU					
				3.99200	2KENT	Arts, entertainment, sports, & media occs	2KENT	260-296	0	2KMPR
				0.77422	2KHDT	Health diagnosing & treating practitioners & technical occs	2KHDT	300-326,354	0	2KMPR

				28.72575	2KHTC	Health technologists & technicians	2KHTC	330-353	0	2KMPR
				0.17805	2KOFF					
				3.42861	2KHSP					
				0.19227	2KIMR					
				0.84248	2KPRD					
				3.57136	2KAIR					
Sales occs	90SAL	243-285	0	1.23485	2KMGR					
				1.22012	2KBUS					
				1.38746	2KFIN	Sales & related occs	2KSAL	470-496	0	2KSLO
				0.06357	2KEDU					
				0.00950	2KENT					
				0.03082	2KHTC					
				91.31110	2KSAL					
				0.53450	2KEAT					
				0.62872	2KHSP					
				1.82979	2KOFF					
				0.96128	2KPRD					
				0.50517	2KSTM					
				0.28312	2KMVO					
Administrative support occs, incl. clerical	90CLR	303-389	0	1.48226	2KBUS	Office & administrative support occs	2KOFF	500-593	0	2KSLO
				0.05318	2KFIN					
				0.00687	2KCPT					
				0.00320	2KSOC					
				0.28723	2KLEG					
				1.66975	2KEDU					
				0.01627	2KENT					
				0.42212	2KHTC					
				0.77069	2KSAL					
				94.64936	2KOFF					
				0.01471	2KOPT					
				0.03423	2KEAT					
				0.20014	2KHSP					
				0.22050	2KPRD					
				0.00679	2KRWT					
				0.16268	2KMMV					
Private household occs	90PHH	403-407	0	0.20786	2KOFF					
				2.96197	2KEAT					
				59.33555	2KBGM					
				37.18243	2KPER					
				0.31219	2KPRD					
Protective service occs	90PRS	413-427	0	0.13555	2KFIN					
				58.30135	2KFPD	Firefighting, prevention & law enforcement workers, incl. supervisors	2KFPD	370-372,374-386	0	2KSVC
				40.91857	2KOPT	Other protective service workers, incl. supervisors	2KOPT	373,390-395	0	2KSVC
				0.64453	2KPER					
Service occs, exc. protective & household	90SVC	433-469	0	0.00875	2KMGR					
				0.30970	2KSOC	Food preparation & serving related occs	2KEAT	400-416	0	2KSVC
				0.69809	2KEDU	Healthcare support occs	2KHSP	360-365	0	2KSVC
				0.01749	2KENT					
				0.32116	2KHDT					
				1.54761	2KHTC	Building & grounds cleaning & maintenance occs	2KBGM	420-425	0	2KSVC
				0.04357	2KSAL					
				0.02300	2KOFF					
				0.01808	2KOPT					
				40.62668	2KEAT	Personal care & service occs	2KPER	430-465	0	2KSVC
				12.91658	2KHSP					
				23.19295	2KBGM					
				18.36269	2KPER					
				0.10169	2KIMR					
				0.42307	2KPRD					
				0.01324	2KMVO					

				1.37565	2KMMV						
Farming, forestry, & fishing occs	90FFF	473-499	0	27.03070	2KFRM	Farming, fishing, & forestry occs	2KFFF	600-613	0	2KFFF
				0.17291	2KSCI					
				0.02683	2KENT					
				0.81235	2KHSP					
				23.84727	2KBGM					
				3.81903	2KPER					
				43.95856	2KFFF					
				0.07568	2KPRD					
				0.07413	2KRWT					
				0.18253	2KMMV					
Precision production, craft, & repair occs	90PCR	503-699	0	0.00742	2KBUS	Supervisors, construction & extraction workers	2KSCE	620	0	2KCEM
				0.08188	2KENT	Construction trades workers	2KCON	621-676	0	2KCEM
				0.38892	2KHTC	Extraction workers	2KEXT	680-694	0	2KCEM
				1.46545	2KOFF					
				0.00843	2KBGM					
				6.00618	2KSCE	Installation, maintenance, & repair occs	2KIMR	700-762	0	2KCEM
				30.60872	2KCON					
				1.09056	2KEXT					
				32.18493	2KIMR					
				26.74662	2KPRD					
				1.07752	2KSTM					
				0.19924	2KRWT					
				0.13415	2KMMV					
Machine operators, assemblers, & inspectors	90OPS	703-799	0	0.09094	2KENT					
				0.06063	2KOFF					
				0.12258	2KPER	Production occs	2KPRD	770-896	0	2KPTM
				0.45349	2KFFF					
				0.17450	2KCON					
				0.55909	2KIMR					
				97.55821	2KPRD					
				0.18464	2KRWT					
				0.79592	2KMMV					
Transportation & material moving occs	90TMM	803-859	0	0.01739	2KOPT					
				0.79654	2KFFF					
				6.16805	2KCON	Supervisors, transportation & material moving workers	2KSTM	900	0	2KPTM
				0.30010	2KEXT	Air transportation workers	2KAIR	903-904	0	2KPTM
				1.14892	2KIMR	Motor vehicle operators	2KMVO	911-915	0	2KPTM
				0.05218	2KPRD					
				2.07019	2KSTM	Rail, water, & other transportation occs	2KRWT	920-942	0	2KPTM
				71.39063	2KMVO					
				4.69701	2KRWT					
				13.35898	2KMMV					
Handlers, equipment cleaners, helpers, & laborers	90LAB	864-889	0	0.07813	2KETC	Material moving workers	2KMMV	950-975	0	2KPTM
				0.33197	2KSAL					
				14.26187	2KOFF					
				1.54359	2KOPT					
				1.49631	2KBGM					
				0.97243	2KFFF					
				21.05642	2KCON					
				0.55146	2KEXT					
				1.97242	2KIMR					
				10.90345	2KPRD					
				0.32587	2KSTM					
				4.53357	2KRWT					
				41.97250	2KMMV					
TOTAL			0			TOTAL			0	

Section 5: Conversion to 2000 "Quick" Table & Profile Categories (6)

Note: all data in this table add up to the 1990 totals

Category	Label	2000 Codes	Number Employed
Management, professional, & related occs	2KMPR	001-354	0
Service occs	2KSVC	360-465	0
Sales & office occs	2KSLO	470-593	0
Farming, fishing, & forestry occs	2KFFF	600-613	0
Construction, extraction, & maintenance occs	2KCEM	620-762	0
Production, transportation, & material moving occs	2KPTM	770-975	0
TOTAL			0

Section 6: Comparison of 1990 to 2000, Using Census 2000 Occupational Category Definitions

SF-3 / Demographic Profile Category (Profile categories in bold)	Number Employed, 1990 Census	Number Employed, Census 2000	Percent Change, 1990-2000
Management, professional, & related occs	0	0	#DIV/0!
Management, business, and financial operations occupations:	0	0	#DIV/0!
Management occupations, except farmers & farm managers	0	0	#DIV/0!
Farmers and farm managers	0	0	#DIV/0!
Business and financial operations occupations:	0	0	#DIV/0!
Business operations specialists	0	0	#DIV/0!
Financial specialists	0	0	#DIV/0!
Professional and related occupations:	0	0	#DIV/0!
Computer and mathematical occupations	0	0	#DIV/0!
Architecture and engineering occupations:	0	0	#DIV/0!
Architects, surveyors, cartographers, and engineers	0	0	#DIV/0!
Drafters, engineering, and mapping technicians	0	0	#DIV/0!
Life, physical, and social science occupations	0	0	#DIV/0!
Community and social services occupations	0	0	#DIV/0!
Legal occupations	0	0	#DIV/0!
Education, training, and library occupations	0	0	#DIV/0!
Arts, design, entertainment, sports, and media occupations	0	0	#DIV/0!
Healthcare practitioners and technical occupations:	0	0	#DIV/0!
Health diagnosing and treating practitioners & technical occs	0	0	#DIV/0!
Health technologists and technicians	0	0	#DIV/0!
Service occupations:	0	0	#DIV/0!
Healthcare support occupations	0	0	#DIV/0!
Protective service occupations:	0	0	#DIV/0!
Fire fighting, prevention, and law enforcement workers, incl. supervisors	0	0	#DIV/0!
Other protective service workers, including supervisors	0	0	#DIV/0!
Food preparation and serving related occupations	0	0	#DIV/0!
Building and grounds cleaning and maintenance occupations	0	0	#DIV/0!
Personal care and service occupations	0	0	#DIV/0!
Sales and office occupations:	0	0	#DIV/0!
Sales and related occupations	0	0	#DIV/0!
Office and administrative support occupations	0	0	#DIV/0!
Farming, fishing, and forestry occupations	0	0	#DIV/0!
Construction, extraction, and maintenance occupations:	0	0	#DIV/0!
Construction and extraction occupations:	0	0	#DIV/0!
Supervisors, construction and extraction workers	0	0	#DIV/0!
Construction trades workers	0	0	#DIV/0!
Extraction workers	0	0	#DIV/0!
Installation, maintenance, and repair occupations	0	0	#DIV/0!
Production, transportation, and material moving occupations:	0	0	#DIV/0!
Production occupations	0	0	#DIV/0!
Transportation and material moving occupations:	0	0	#DIV/0!
Supervisors, transportation and material moving workers	0	0	#DIV/0!
Aircraft and traffic control occupations	0	0	#DIV/0!
Motor vehicle operators	0	0	#DIV/0!
Rail, water and other transportation occupations	0	0	#DIV/0!
Material moving workers	0	0	#DIV/0!
TOTAL	0	0	#DIV/0!