**Supporting information**

**S1 Table.** Overview of all used input variables in the training/validation (2016) test (2017) dataset.

|  |  |
| --- | --- |
|  | **Year** |
|  | **2016 (n=20,984)** | **2017 (n=21,148)** |
| **Variable** | **Mean** | **SD** | **Mean** | **SD** |
| **ATC\_A01** | 0.042 | 0.202 | 0.042 | 0.201 |
| **ATC\_A02** | 0.264 | 0.441 | 0.261 | 0.439 |
| **ATC\_A03** | 0.063 | 0.243 | 0.055 | 0.228 |
| **ATC\_A04** | 0.033 | 0.178 | 0.029 | 0.167 |
| **ATC\_A05** | 0.001 | 0.038 | 0.002 | 0.040 |
| **ATC\_A06** | 0.025 | 0.155 | 0.025 | 0.156 |
| **ATC\_A07** | 0.042 | 0.200 | 0.039 | 0.193 |
| **ATC\_A08** | 0.000 | 0.000 | 0.000 | 0.000 |
| **ATC\_A09** | 0.003 | 0.054 | 0.003 | 0.052 |
| **ATC\_A10** | 0.119 | 0.324 | 0.121 | 0.326 |
| **ATC\_A11** | 0.101 | 0.301 | 0.094 | 0.292 |
| **ATC\_A12** | 0.012 | 0.109 | 0.011 | 0.102 |
| **ATC\_A13** | 0.000 | 0.007 | 0.000 | 0.007 |
| **ATC\_A14** | 0.000 | 0.000 | 0.000 | 0.000 |
| **ATC\_A15** | 0.000 | 0.000 | 0.000 | 0.000 |
| **ATC\_A16** | 0.000 | 0.010 | 0.000 | 0.010 |
| **ATC\_A** | 0.476 | 0.499 | 0.469 | 0.499 |
| **ATC\_B01** | 0.122 | 0.328 | 0.124 | 0.330 |
| **ATC\_B02** | 0.000 | 0.021 | 0.001 | 0.028 |
| **ATC\_B03** | 0.056 | 0.231 | 0.060 | 0.238 |
| **ATC\_B05** | 0.011 | 0.103 | 0.012 | 0.109 |
| **ATC\_B06** | 0.000 | 0.000 | 0.000 | 0.000 |
| **ATC\_B** | 0.173 | 0.378 | 0.179 | 0.383 |
| **ATC\_C01** | 0.039 | 0.194 | 0.039 | 0.193 |
| **ATC\_C02** | 0.018 | 0.132 | 0.018 | 0.131 |
| **ATC\_C03** | 0.107 | 0.309 | 0.104 | 0.306 |
| **ATC\_C04** | 0.001 | 0.035 | 0.001 | 0.030 |
| **ATC\_C05** | 0.018 | 0.132 | 0.017 | 0.129 |
| **ATC\_C06** | 0.000 | 0.000 | 0.000 | 0.000 |
| **ATC\_C07** | 0.185 | 0.388 | 0.185 | 0.388 |
| **ATC\_C08** | 0.112 | 0.315 | 0.117 | 0.322 |
| **ATC\_C09** | 0.251 | 0.434 | 0.253 | 0.435 |
| **ATC\_C10** | 0.166 | 0.372 | 0.169 | 0.375 |
| **ATC\_C** | 0.378 | 0.485 | 0.379 | 0.485 |
| **ATC\_D01** | 0.064 | 0.245 | 0.063 | 0.243 |
| **ATC\_D02** | 0.012 | 0.111 | 0.012 | 0.109 |
| **ATC\_D03** | 0.010 | 0.099 | 0.009 | 0.097 |
| **ATC\_D04** | 0.013 | 0.115 | 0.012 | 0.111 |
| **ATC\_D05** | 0.006 | 0.077 | 0.005 | 0.071 |
| **ATC\_D06** | 0.029 | 0.169 | 0.028 | 0.164 |
| **ATC\_D07** | 0.121 | 0.326 | 0.113 | 0.317 |
| **ATC\_D08** | 0.008 | 0.088 | 0.007 | 0.086 |
| **ATC\_D09** | 0.002 | 0.050 | 0.003 | 0.054 |
| **ATC\_D10** | 0.019 | 0.135 | 0.017 | 0.128 |
| **ATC\_D11** | 0.024 | 0.152 | 0.022 | 0.147 |
| **ATC\_D** | 0.240 | 0.427 | 0.230 | 0.421 |
| **ATC\_G01** | 0.015 | 0.121 | 0.016 | 0.125 |
| **ATC\_G02** | 0.002 | 0.043 | 0.002 | 0.041 |
| **ATC\_G03** | 0.050 | 0.217 | 0.050 | 0.219 |
| **ATC\_G04** | 0.056 | 0.231 | 0.061 | 0.239 |
| **ATC\_G** | 0.116 | 0.320 | 0.120 | 0.325 |
| **ATC\_H01** | 0.002 | 0.042 | 0.002 | 0.043 |
| **ATC\_H02** | 0.083 | 0.275 | 0.083 | 0.276 |
| **ATC\_H03** | 0.118 | 0.323 | 0.119 | 0.324 |
| **ATC\_H04** | 0.001 | 0.033 | 0.001 | 0.036 |
| **ATC\_H05** | 0.001 | 0.025 | 0.001 | 0.023 |
| **ATC\_H** | 0.190 | 0.392 | 0.191 | 0.393 |
| **ATC\_J01** | 0.436 | 0.496 | 0.423 | 0.494 |
| **ATC\_J02** | 0.007 | 0.081 | 0.007 | 0.083 |
| **ATC\_J04** | 0.001 | 0.034 | 0.001 | 0.037 |
| **ATC\_J05** | 0.016 | 0.125 | 0.017 | 0.128 |
| **ATC\_J06** | 0.003 | 0.054 | 0.003 | 0.055 |
| **ATC\_J07** | 0.004 | 0.066 | 0.006 | 0.075 |
| **ATC\_J** | 0.449 | 0.497 | 0.440 | 0.496 |
| **ATC\_L01** | 0.003 | 0.051 | 0.003 | 0.050 |
| **ATC\_L02** | 0.006 | 0.080 | 0.007 | 0.082 |
| **ATC\_L03** | 0.004 | 0.062 | 0.003 | 0.058 |
| **ATC\_L04** | 0.009 | 0.093 | 0.010 | 0.100 |
| **ATC\_L** | 0.021 | 0.143 | 0.022 | 0.147 |
| **ATC\_M01** | 0.439 | 0.496 | 0.428 | 0.495 |
| **ATC\_M02** | 0.003 | 0.054 | 0.002 | 0.043 |
| **ATC\_M03** | 0.021 | 0.142 | 0.024 | 0.154 |
| **ATC\_M04** | 0.037 | 0.189 | 0.036 | 0.187 |
| **ATC\_M05** | 0.014 | 0.118 | 0.013 | 0.114 |
| **ATC\_M09** | 0.002 | 0.040 | 0.002 | 0.043 |
| **ATC\_M** | 0.474 | 0.499 | 0.464 | 0.499 |
| **ATC\_N01** | 0.004 | 0.063 | 0.004 | 0.062 |
| **ATC\_N02** | 0.330 | 0.470 | 0.334 | 0.472 |
| **ATC\_N03** | 0.042 | 0.201 | 0.042 | 0.200 |
| **ATC\_N04** | 0.010 | 0.100 | 0.012 | 0.108 |
| **ATC\_N05** | 0.094 | 0.292 | 0.096 | 0.295 |
| **ATC\_N06** | 0.139 | 0.346 | 0.137 | 0.344 |
| **ATC\_N07** | 0.010 | 0.101 | 0.009 | 0.096 |
| **ATC\_N** | 0.449 | 0.497 | 0.450 | 0.498 |
| **ATC\_P01** | 0.012 | 0.111 | 0.013 | 0.115 |
| **ATC\_P02** | 0.008 | 0.086 | 0.012 | 0.107 |
| **ATC\_P03** | 0.013 | 0.114 | 0.021 | 0.144 |
| **ATC\_P** | 0.032 | 0.176 | 0.042 | 0.201 |
| **ATC\_R01** | 0.174 | 0.379 | 0.151 | 0.358 |
| **ATC\_R02** | 0.008 | 0.090 | 0.007 | 0.085 |
| **ATC\_R03** | 0.156 | 0.363 | 0.156 | 0.363 |
| **ATC\_R04** | 0.005 | 0.067 | 0.003 | 0.059 |
| **ATC\_R05** | 0.168 | 0.374 | 0.152 | 0.359 |
| **ATC\_R06** | 0.043 | 0.203 | 0.038 | 0.191 |
| **ATC\_R07** | 0.000 | 0.018 | 0.000 | 0.014 |
| **ATC\_R** | 0.362 | 0.480 | 0.342 | 0.474 |
| **ATC\_S01** | 0.130 | 0.336 | 0.124 | 0.329 |
| **ATC\_S02** | 0.022 | 0.146 | 0.020 | 0.139 |
| **ATC\_S03** | 0.004 | 0.060 | 0.003 | 0.055 |
| **ATC\_S** | 0.150 | 0.357 | 0.142 | 0.349 |
| **ATC\_V01** | 0.006 | 0.075 | 0.006 | 0.078 |
| **ATC\_V03** | 0.003 | 0.057 | 0.003 | 0.054 |
| **ATC\_V04** | 0.057 | 0.231 | 0.057 | 0.231 |
| **ATC\_V06** | 0.000 | 0.000 | 0.000 | 0.000 |
| **ATC\_V07** | 0.000 | 0.018 | 0.001 | 0.023 |
| **ATC\_V08** | 0.000 | 0.010 | 0.000 | 0.012 |
| **ATC\_V09** | 0.000 | 0.000 | 0.000 | 0.000 |
| **ATC\_V10** | 0.000 | 0.000 | 0.000 | 0.007 |
| **ATC\_V** | 0.065 | 0.247 | 0.066 | 0.248 |
| **A00\_inpatient** | 0.005 | 0.069 | 0.004 | 0.066 |
| **A15\_inpatient** | 0.000 | 0.018 | 0.000 | 0.017 |
| **A20\_inpatient** | 0.000 | 0.000 | 0.000 | 0.000 |
| **A30\_inpatient** | 0.003 | 0.056 | 0.003 | 0.055 |
| **A50\_inpatient** | 0.000 | 0.018 | 0.000 | 0.007 |
| **A65\_inpatient** | 0.000 | 0.000 | 0.000 | 0.007 |
| **A70\_inpatient** | 0.000 | 0.000 | 0.000 | 0.000 |
| **A75\_inpatient** | 0.000 | 0.000 | 0.000 | 0.000 |
| **A80\_inpatient** | 0.000 | 0.000 | 0.000 | 0.007 |
| **A90\_inpatient** | 0.000 | 0.000 | 0.000 | 0.000 |
| **A92\_inpatient** | 0.000 | 0.000 | 0.000 | 0.000 |
| **A\_inpatient** | 0.008 | 0.092 | 0.008 | 0.087 |
| **B00\_inpatient** | 0.001 | 0.032 | 0.001 | 0.029 |
| **B15\_inpatient** | 0.000 | 0.021 | 0.000 | 0.022 |
| **B20\_inpatient** | 0.001 | 0.032 | 0.001 | 0.034 |
| **B25\_inpatient** | 0.001 | 0.025 | 0.001 | 0.027 |
| **B35\_inpatient** | 0.000 | 0.015 | 0.000 | 0.017 |
| **B50\_inpatient** | 0.000 | 0.014 | 0.000 | 0.007 |
| **B65\_inpatient** | 0.000 | 0.007 | 0.000 | 0.000 |
| **B85\_inpatient** | 0.000 | 0.000 | 0.001 | 0.025 |
| **B90\_inpatient** | 0.000 | 0.007 | 0.000 | 0.000 |
| **B95\_inpatient** | 0.000 | 0.000 | 0.000 | 0.000 |
| **B99\_inpatient** | 0.002 | 0.043 | 0.001 | 0.038 |
| **B\_inpatient** | 0.005 | 0.073 | 0.005 | 0.072 |
| **C00\_inpatient** | 0.001 | 0.023 | 0.000 | 0.019 |
| **C15\_inpatient** | 0.002 | 0.041 | 0.002 | 0.042 |
| **C30\_inpatient** | 0.002 | 0.041 | 0.002 | 0.046 |
| **C40\_inpatient** | 0.000 | 0.000 | 0.000 | 0.007 |
| **C43\_inpatient** | 0.001 | 0.029 | 0.001 | 0.031 |
| **C45\_inpatient** | 0.000 | 0.007 | 0.000 | 0.010 |
| **C50\_inpatient** | 0.001 | 0.029 | 0.001 | 0.036 |
| **C51\_inpatient** | 0.001 | 0.028 | 0.000 | 0.022 |
| **C60\_inpatient** | 0.001 | 0.025 | 0.001 | 0.029 |
| **C64\_inpatient** | 0.001 | 0.031 | 0.001 | 0.035 |
| **C69\_inpatient** | 0.000 | 0.010 | 0.000 | 0.012 |
| **C73\_inpatient** | 0.000 | 0.021 | 0.000 | 0.019 |
| **C76\_inpatient** | 0.002 | 0.040 | 0.001 | 0.035 |
| **C81\_inpatient** | 0.001 | 0.027 | 0.001 | 0.031 |
| **C97\_inpatient** | 0.000 | 0.000 | 0.000 | 0.000 |
| **C\_inpatient** | 0.009 | 0.096 | 0.011 | 0.102 |
| **D00\_inpatient** | 0.000 | 0.014 | 0.000 | 0.021 |
| **D10\_inpatient** | 0.005 | 0.071 | 0.004 | 0.065 |
| **D37\_inpatient** | 0.006 | 0.077 | 0.004 | 0.063 |
| **D50\_inpatient** | 0.002 | 0.041 | 0.002 | 0.041 |
| **D55\_inpatient** | 0.001 | 0.023 | 0.000 | 0.014 |
| **D60\_inpatient** | 0.002 | 0.040 | 0.001 | 0.038 |
| **D65\_inpatient** | 0.001 | 0.024 | 0.001 | 0.027 |
| **D70\_inpatient** | 0.000 | 0.017 | 0.000 | 0.010 |
| **D80\_inpatient** | 0.000 | 0.018 | 0.000 | 0.019 |
| **D\_inpatient** | 0.014 | 0.119 | 0.012 | 0.109 |
| **E00\_inpatient** | 0.002 | 0.047 | 0.002 | 0.046 |
| **E10\_inpatient** | 0.007 | 0.081 | 0.006 | 0.075 |
| **E15\_inpatient** | 0.000 | 0.015 | 0.000 | 0.017 |
| **E20\_inpatient** | 0.000 | 0.018 | 0.000 | 0.017 |
| **E40\_inpatient** | 0.000 | 0.014 | 0.000 | 0.014 |
| **E50\_inpatient** | 0.000 | 0.010 | 0.000 | 0.019 |
| **E65\_inpatient** | 0.004 | 0.060 | 0.004 | 0.060 |
| **E70\_inpatient** | 0.005 | 0.073 | 0.004 | 0.066 |
| **E\_inpatient** | 0.017 | 0.128 | 0.015 | 0.122 |
| **F00\_inpatient** | 0.001 | 0.037 | 0.001 | 0.035 |
| **F10\_inpatient** | 0.005 | 0.074 | 0.005 | 0.069 |
| **F20\_inpatient** | 0.002 | 0.044 | 0.003 | 0.051 |
| **F30\_inpatient** | 0.006 | 0.079 | 0.007 | 0.085 |
| **F40\_inpatient** | 0.005 | 0.068 | 0.004 | 0.066 |
| **F50\_inpatient** | 0.000 | 0.022 | 0.001 | 0.023 |
| **F60\_inpatient** | 0.001 | 0.038 | 0.001 | 0.034 |
| **F70\_inpatient** | 0.000 | 0.010 | 0.000 | 0.007 |
| **F80\_inpatient** | 0.001 | 0.032 | 0.001 | 0.035 |
| **F90\_inpatient** | 0.001 | 0.025 | 0.001 | 0.027 |
| **F99\_inpatient** | 0.000 | 0.007 | 0.000 | 0.007 |
| **F\_inpatient** | 0.019 | 0.137 | 0.019 | 0.137 |
| **G00\_inpatient** | 0.001 | 0.023 | 0.000 | 0.021 |
| **G10\_inpatient** | 0.000 | 0.010 | 0.000 | 0.007 |
| **G20\_inpatient** | 0.001 | 0.023 | 0.001 | 0.028 |
| **G30\_inpatient** | 0.001 | 0.024 | 0.001 | 0.025 |
| **G35\_inpatient** | 0.001 | 0.025 | 0.001 | 0.027 |
| **G40\_inpatient** | 0.007 | 0.086 | 0.006 | 0.078 |
| **G50\_inpatient** | 0.002 | 0.047 | 0.002 | 0.048 |
| **G60\_inpatient** | 0.000 | 0.022 | 0.001 | 0.025 |
| **G70\_inpatient** | 0.000 | 0.014 | 0.000 | 0.007 |
| **G80\_inpatient** | 0.001 | 0.034 | 0.001 | 0.037 |
| **G90\_inpatient** | 0.001 | 0.025 | 0.001 | 0.029 |
| **G\_inpatient** | 0.014 | 0.117 | 0.013 | 0.114 |
| **H00\_inpatient** | 0.001 | 0.032 | 0.001 | 0.037 |
| **H10\_inpatient** | 0.000 | 0.020 | 0.000 | 0.017 |
| **H15\_inpatient** | 0.001 | 0.023 | 0.001 | 0.031 |
| **H25\_inpatient** | 0.001 | 0.038 | 0.002 | 0.040 |
| **H30\_inpatient** | 0.002 | 0.041 | 0.001 | 0.036 |
| **H40\_inpatient** | 0.001 | 0.034 | 0.002 | 0.046 |
| **H43\_inpatient** | 0.000 | 0.022 | 0.000 | 0.017 |
| **H46\_inpatient** | 0.000 | 0.014 | 0.000 | 0.019 |
| **H49\_inpatient** | 0.001 | 0.037 | 0.001 | 0.032 |
| **H53\_inpatient** | 0.002 | 0.046 | 0.001 | 0.031 |
| **H55\_inpatient** | 0.000 | 0.014 | 0.000 | 0.017 |
| **H60\_inpatient** | 0.000 | 0.021 | 0.000 | 0.022 |
| **H65\_inpatient** | 0.003 | 0.054 | 0.003 | 0.051 |
| **H80\_inpatient** | 0.002 | 0.043 | 0.001 | 0.037 |
| **H90\_inpatient** | 0.001 | 0.037 | 0.002 | 0.040 |
| **H\_inpatient** | 0.016 | 0.124 | 0.015 | 0.122 |
| **I00\_inpatient** | 0.000 | 0.000 | 0.000 | 0.000 |
| **I05\_inpatient** | 0.000 | 0.010 | 0.000 | 0.010 |
| **I10\_inpatient** | 0.009 | 0.094 | 0.009 | 0.092 |
| **I20\_inpatient** | 0.012 | 0.110 | 0.011 | 0.106 |
| **I26\_inpatient** | 0.001 | 0.034 | 0.001 | 0.031 |
| **I30\_inpatient** | 0.013 | 0.112 | 0.013 | 0.114 |
| **I60\_inpatient** | 0.006 | 0.077 | 0.006 | 0.074 |
| **I70\_inpatient** | 0.009 | 0.093 | 0.007 | 0.082 |
| **I80\_inpatient** | 0.005 | 0.069 | 0.005 | 0.070 |
| **I95\_inpatient** | 0.001 | 0.032 | 0.001 | 0.023 |
| **I\_inpatient** | 0.046 | 0.209 | 0.044 | 0.205 |
| **J00\_inpatient** | 0.003 | 0.053 | 0.002 | 0.049 |
| **J09\_inpatient** | 0.006 | 0.080 | 0.006 | 0.077 |
| **J20\_inpatient** | 0.004 | 0.062 | 0.003 | 0.053 |
| **J30\_inpatient** | 0.008 | 0.088 | 0.008 | 0.087 |
| **J40\_inpatient** | 0.007 | 0.083 | 0.007 | 0.083 |
| **J60\_inpatient** | 0.000 | 0.022 | 0.000 | 0.017 |
| **J80\_inpatient** | 0.001 | 0.025 | 0.000 | 0.022 |
| **J85\_inpatient** | 0.000 | 0.015 | 0.000 | 0.014 |
| **J90\_inpatient** | 0.001 | 0.028 | 0.001 | 0.023 |
| **J95\_inpatient** | 0.003 | 0.057 | 0.003 | 0.057 |
| **J\_inpatient** | 0.027 | 0.164 | 0.025 | 0.157 |
| **K00\_inpatient** | 0.002 | 0.041 | 0.001 | 0.038 |
| **K20\_inpatient** | 0.006 | 0.077 | 0.006 | 0.075 |
| **K35\_inpatient** | 0.002 | 0.040 | 0.002 | 0.042 |
| **K40\_inpatient** | 0.005 | 0.073 | 0.005 | 0.071 |
| **K50\_inpatient** | 0.002 | 0.043 | 0.001 | 0.037 |
| **K55\_inpatient** | 0.008 | 0.091 | 0.008 | 0.087 |
| **K65\_inpatient** | 0.001 | 0.026 | 0.001 | 0.023 |
| **K70\_inpatient** | 0.002 | 0.041 | 0.002 | 0.040 |
| **K80\_inpatient** | 0.006 | 0.075 | 0.004 | 0.066 |
| **K90\_inpatient** | 0.003 | 0.052 | 0.003 | 0.053 |
| **K\_inpatient** | 0.031 | 0.173 | 0.029 | 0.167 |
| **L00\_inpatient** | 0.004 | 0.062 | 0.005 | 0.069 |
| **L10\_inpatient** | 0.000 | 0.014 | 0.000 | 0.012 |
| **L20\_inpatient** | 0.002 | 0.040 | 0.001 | 0.033 |
| **L40\_inpatient** | 0.001 | 0.026 | 0.001 | 0.024 |
| **L50\_inpatient** | 0.001 | 0.023 | 0.000 | 0.014 |
| **L55\_inpatient** | 0.000 | 0.012 | 0.000 | 0.007 |
| **L60\_inpatient** | 0.001 | 0.030 | 0.001 | 0.025 |
| **L80\_inpatient** | 0.002 | 0.044 | 0.001 | 0.036 |
| **L\_inpatient** | 0.009 | 0.096 | 0.009 | 0.092 |
| **M00\_inpatient** | 0.000 | 0.020 | 0.000 | 0.014 |
| **M05\_inpatient** | 0.001 | 0.036 | 0.001 | 0.034 |
| **M15\_inpatient** | 0.007 | 0.083 | 0.007 | 0.082 |
| **M20\_inpatient** | 0.005 | 0.072 | 0.005 | 0.072 |
| **M30\_inpatient** | 0.001 | 0.031 | 0.001 | 0.030 |
| **M40\_inpatient** | 0.002 | 0.042 | 0.001 | 0.036 |
| **M45\_inpatient** | 0.003 | 0.054 | 0.003 | 0.056 |
| **M50\_inpatient** | 0.008 | 0.092 | 0.008 | 0.090 |
| **M60\_inpatient** | 0.001 | 0.024 | 0.000 | 0.019 |
| **M65\_inpatient** | 0.001 | 0.023 | 0.001 | 0.033 |
| **M70\_inpatient** | 0.004 | 0.062 | 0.005 | 0.069 |
| **M80\_inpatient** | 0.001 | 0.037 | 0.001 | 0.033 |
| **M86\_inpatient** | 0.001 | 0.028 | 0.001 | 0.028 |
| **M91\_inpatient** | 0.000 | 0.018 | 0.000 | 0.015 |
| **M95\_inpatient** | 0.001 | 0.023 | 0.001 | 0.029 |
| **M\_inpatient** | 0.029 | 0.168 | 0.029 | 0.169 |
| **N00\_inpatient** | 0.000 | 0.014 | 0.000 | 0.014 |
| **N10\_inpatient** | 0.004 | 0.065 | 0.003 | 0.055 |
| **N17\_inpatient** | 0.003 | 0.056 | 0.003 | 0.055 |
| **N20\_inpatient** | 0.002 | 0.050 | 0.002 | 0.048 |
| **N25\_inpatient** | 0.000 | 0.014 | 0.000 | 0.010 |
| **N30\_inpatient** | 0.005 | 0.069 | 0.006 | 0.074 |
| **N40\_inpatient** | 0.003 | 0.053 | 0.002 | 0.046 |
| **N60\_inpatient** | 0.001 | 0.029 | 0.001 | 0.027 |
| **N70\_inpatient** | 0.001 | 0.028 | 0.001 | 0.026 |
| **N80\_inpatient** | 0.005 | 0.068 | 0.004 | 0.061 |
| **N99\_inpatient** | 0.000 | 0.015 | 0.000 | 0.012 |
| **N\_inpatient** | 0.021 | 0.144 | 0.019 | 0.136 |
| **O00\_inpatient** | 0.001 | 0.032 | 0.001 | 0.031 |
| **O09\_inpatient** | 0.000 | 0.000 | 0.000 | 0.000 |
| **O10\_inpatient** | 0.001 | 0.023 | 0.000 | 0.018 |
| **O20\_inpatient** | 0.002 | 0.048 | 0.002 | 0.048 |
| **O30\_inpatient** | 0.006 | 0.074 | 0.006 | 0.080 |
| **O60\_inpatient** | 0.004 | 0.063 | 0.003 | 0.058 |
| **O80\_inpatient** | 0.005 | 0.069 | 0.004 | 0.065 |
| **O85\_inpatient** | 0.000 | 0.021 | 0.000 | 0.017 |
| **O94\_inpatient** | 0.001 | 0.032 | 0.001 | 0.023 |
| **O\_inpatient** | 0.012 | 0.109 | 0.012 | 0.110 |
| **P00\_inpatient** | 0.000 | 0.014 | 0.000 | 0.012 |
| **P05\_inpatient** | 0.001 | 0.038 | 0.002 | 0.039 |
| **P10\_inpatient** | 0.000 | 0.000 | 0.000 | 0.000 |
| **P20\_inpatient** | 0.000 | 0.021 | 0.001 | 0.030 |
| **P35\_inpatient** | 0.000 | 0.022 | 0.000 | 0.022 |
| **P50\_inpatient** | 0.001 | 0.024 | 0.000 | 0.018 |
| **P70\_inpatient** | 0.000 | 0.014 | 0.000 | 0.017 |
| **P75\_inpatient** | 0.000 | 0.000 | 0.000 | 0.000 |
| **P80\_inpatient** | 0.000 | 0.000 | 0.000 | 0.010 |
| **P90\_inpatient** | 0.000 | 0.020 | 0.000 | 0.014 |
| **P\_inpatient** | 0.003 | 0.056 | 0.003 | 0.055 |
| **Q00\_inpatient** | 0.000 | 0.007 | 0.000 | 0.012 |
| **Q10\_inpatient** | 0.000 | 0.018 | 0.000 | 0.019 |
| **Q20\_inpatient** | 0.000 | 0.020 | 0.001 | 0.024 |
| **Q30\_inpatient** | 0.000 | 0.010 | 0.000 | 0.010 |
| **Q35\_inpatient** | 0.000 | 0.000 | 0.000 | 0.012 |
| **Q38\_inpatient** | 0.000 | 0.012 | 0.000 | 0.010 |
| **Q50\_inpatient** | 0.000 | 0.018 | 0.000 | 0.021 |
| **Q60\_inpatient** | 0.000 | 0.014 | 0.000 | 0.007 |
| **Q65\_inpatient** | 0.001 | 0.030 | 0.001 | 0.029 |
| **Q80\_inpatient** | 0.000 | 0.018 | 0.000 | 0.012 |
| **Q90\_inpatient** | 0.000 | 0.000 | 0.000 | 0.007 |
| **Q\_inpatient** | 0.003 | 0.050 | 0.003 | 0.052 |
| **R00\_inpatient** | 0.012 | 0.107 | 0.010 | 0.102 |
| **R10\_inpatient** | 0.014 | 0.116 | 0.013 | 0.113 |
| **R20\_inpatient** | 0.002 | 0.043 | 0.002 | 0.041 |
| **R25\_inpatient** | 0.003 | 0.051 | 0.002 | 0.048 |
| **R30\_inpatient** | 0.002 | 0.044 | 0.001 | 0.037 |
| **R40\_inpatient** | 0.004 | 0.063 | 0.005 | 0.068 |
| **R47\_inpatient** | 0.000 | 0.022 | 0.001 | 0.028 |
| **R50\_inpatient** | 0.015 | 0.123 | 0.013 | 0.113 |
| **R70\_inpatient** | 0.001 | 0.032 | 0.001 | 0.031 |
| **R80\_inpatient** | 0.000 | 0.007 | 0.000 | 0.000 |
| **R83\_inpatient** | 0.000 | 0.015 | 0.000 | 0.010 |
| **R90\_inpatient** | 0.001 | 0.025 | 0.000 | 0.012 |
| **R95\_inpatient** | 0.000 | 0.000 | 0.000 | 0.000 |
| **R\_inpatient** | 0.047 | 0.211 | 0.043 | 0.203 |
| **S00\_inpatient** | 0.005 | 0.070 | 0.005 | 0.071 |
| **S10\_inpatient** | 0.000 | 0.018 | 0.000 | 0.017 |
| **S20\_inpatient** | 0.002 | 0.039 | 0.001 | 0.036 |
| **S30\_inpatient** | 0.002 | 0.046 | 0.002 | 0.044 |
| **S40\_inpatient** | 0.002 | 0.041 | 0.002 | 0.046 |
| **S50\_inpatient** | 0.002 | 0.041 | 0.002 | 0.039 |
| **S60\_inpatient** | 0.001 | 0.032 | 0.001 | 0.031 |
| **S70\_inpatient** | 0.002 | 0.043 | 0.002 | 0.047 |
| **S80\_inpatient** | 0.003 | 0.053 | 0.003 | 0.054 |
| **S90\_inpatient** | 0.001 | 0.028 | 0.001 | 0.031 |
| **S\_inpatient** | 0.016 | 0.127 | 0.017 | 0.130 |
| **T00\_inpatient** | 0.000 | 0.010 | 0.000 | 0.000 |
| **T08\_inpatient** | 0.001 | 0.025 | 0.001 | 0.031 |
| **T15\_inpatient** | 0.000 | 0.014 | 0.000 | 0.019 |
| **T20\_inpatient** | 0.000 | 0.022 | 0.000 | 0.021 |
| **T26\_inpatient** | 0.000 | 0.007 | 0.000 | 0.000 |
| **T29\_inpatient** | 0.000 | 0.007 | 0.000 | 0.007 |
| **T33\_inpatient** | 0.000 | 0.000 | 0.000 | 0.000 |
| **T36\_inpatient** | 0.001 | 0.023 | 0.000 | 0.019 |
| **T51\_inpatient** | 0.000 | 0.014 | 0.000 | 0.019 |
| **T66\_inpatient** | 0.001 | 0.035 | 0.001 | 0.029 |
| **T79\_inpatient** | 0.000 | 0.007 | 0.000 | 0.015 |
| **T80\_inpatient** | 0.005 | 0.073 | 0.004 | 0.067 |
| **T89\_inpatient** | 0.000 | 0.007 | 0.000 | 0.014 |
| **T90\_inpatient** | 0.000 | 0.007 | 0.000 | 0.014 |
| **T\_inpatient** | 0.009 | 0.094 | 0.008 | 0.091 |
| **U00\_inpatient** | 0.000 | 0.000 | 0.000 | 0.000 |
| **U50\_inpatient** | 0.000 | 0.014 | 0.000 | 0.007 |
| **U55\_inpatient** | 0.000 | 0.000 | 0.000 | 0.000 |
| **U60\_inpatient** | 0.000 | 0.000 | 0.000 | 0.000 |
| **U69\_inpatient** | 0.000 | 0.000 | 0.000 | 0.000 |
| **U80\_inpatient** | 0.000 | 0.000 | 0.000 | 0.000 |
| **U99\_inpatient** | 0.000 | 0.000 | 0.000 | 0.000 |
| **UUU\_inpatient** | 0.000 | 0.000 | 0.000 | 0.000 |
| **U\_inpatient** | 0.000 | 0.014 | 0.000 | 0.007 |
| **V01\_inpatient** | 0.000 | 0.000 | 0.000 | 0.000 |
| **V\_inpatient** | 0.000 | 0.000 | 0.000 | 0.000 |
| **X60\_inpatient** | 0.000 | 0.000 | 0.000 | 0.000 |
| **X85\_inpatient** | 0.000 | 0.000 | 0.000 | 0.000 |
| **X\_inpatient** | 0.000 | 0.000 | 0.000 | 0.000 |
| **Y10\_inpatient** | 0.000 | 0.000 | 0.000 | 0.000 |
| **Y35\_inpatient** | 0.000 | 0.000 | 0.000 | 0.000 |
| **Y40\_inpatient** | 0.000 | 0.000 | 0.000 | 0.000 |
| **Y\_inpatient** | 0.000 | 0.000 | 0.000 | 0.000 |
| **Z00\_inpatient** | 0.003 | 0.054 | 0.003 | 0.059 |
| **Z20\_inpatient** | 0.001 | 0.030 | 0.001 | 0.023 |
| **Z30\_inpatient** | 0.009 | 0.095 | 0.009 | 0.095 |
| **Z40\_inpatient** | 0.002 | 0.046 | 0.002 | 0.046 |
| **Z55\_inpatient** | 0.000 | 0.007 | 0.000 | 0.010 |
| **Z70\_inpatient** | 0.001 | 0.029 | 0.001 | 0.024 |
| **Z80\_inpatient** | 0.007 | 0.081 | 0.007 | 0.083 |
| **Z\_inpatient** | 0.021 | 0.142 | 0.022 | 0.146 |
| **Age** | 42.820 | 24.866 | 42.892 | 24.816 |
| **Gender** | 0.458 | 0.498 | 0.457 | 0.498 |
| **A00\_outpatient** | 0.126 | 0.331 | 0.117 | 0.322 |
| **A15\_outpatient** | 0.003 | 0.054 | 0.003 | 0.052 |
| **A20\_outpatient** | 0.001 | 0.032 | 0.001 | 0.035 |
| **A30\_outpatient** | 0.018 | 0.134 | 0.020 | 0.140 |
| **A50\_outpatient** | 0.008 | 0.086 | 0.008 | 0.090 |
| **A65\_outpatient** | 0.001 | 0.029 | 0.001 | 0.029 |
| **A70\_outpatient** | 0.001 | 0.025 | 0.001 | 0.028 |
| **A75\_outpatient** | 0.000 | 0.000 | 0.000 | 0.007 |
| **A80\_outpatient** | 0.001 | 0.025 | 0.001 | 0.026 |
| **A90\_outpatient** | 0.000 | 0.000 | 0.000 | 0.000 |
| **A92\_outpatient** | 0.000 | 0.000 | 0.000 | 0.007 |
| **A\_outpatient** | 0.153 | 0.360 | 0.146 | 0.353 |
| **B00\_outpatient** | 0.054 | 0.226 | 0.050 | 0.218 |
| **B15\_outpatient** | 0.016 | 0.126 | 0.016 | 0.124 |
| **B20\_outpatient** | 0.003 | 0.058 | 0.003 | 0.059 |
| **B25\_outpatient** | 0.067 | 0.250 | 0.065 | 0.246 |
| **B35\_outpatient** | 0.087 | 0.282 | 0.085 | 0.279 |
| **B50\_outpatient** | 0.001 | 0.031 | 0.001 | 0.026 |
| **B65\_outpatient** | 0.006 | 0.077 | 0.008 | 0.089 |
| **B85\_outpatient** | 0.014 | 0.119 | 0.022 | 0.146 |
| **B90\_outpatient** | 0.002 | 0.041 | 0.002 | 0.044 |
| **B95\_outpatient** | 0.008 | 0.089 | 0.009 | 0.092 |
| **B99\_outpatient** | 0.066 | 0.248 | 0.058 | 0.234 |
| **B\_outpatient** | 0.265 | 0.442 | 0.262 | 0.440 |
| **C00\_outpatient** | 0.001 | 0.037 | 0.002 | 0.040 |
| **C15\_outpatient** | 0.024 | 0.154 | 0.024 | 0.152 |
| **C30\_outpatient** | 0.004 | 0.063 | 0.004 | 0.064 |
| **C40\_outpatient** | 0.000 | 0.014 | 0.000 | 0.012 |
| **C43\_outpatient** | 0.012 | 0.111 | 0.013 | 0.114 |
| **C45\_outpatient** | 0.001 | 0.028 | 0.001 | 0.028 |
| **C50\_outpatient** | 0.010 | 0.098 | 0.010 | 0.098 |
| **C51\_outpatient** | 0.004 | 0.063 | 0.004 | 0.065 |
| **C60\_outpatient** | 0.008 | 0.090 | 0.008 | 0.090 |
| **C64\_outpatient** | 0.006 | 0.075 | 0.006 | 0.075 |
| **C69\_outpatient** | 0.001 | 0.034 | 0.001 | 0.033 |
| **C73\_outpatient** | 0.002 | 0.041 | 0.002 | 0.039 |
| **C76\_outpatient** | 0.007 | 0.081 | 0.008 | 0.087 |
| **C81\_outpatient** | 0.006 | 0.075 | 0.006 | 0.080 |
| **C97\_outpatient** | 0.000 | 0.007 | 0.000 | 0.000 |
| **C\_outpatient** | 0.070 | 0.256 | 0.072 | 0.259 |
| **D00\_outpatient** | 0.007 | 0.086 | 0.008 | 0.090 |
| **D10\_outpatient** | 0.116 | 0.320 | 0.135 | 0.342 |
| **D37\_outpatient** | 0.022 | 0.148 | 0.022 | 0.145 |
| **D50\_outpatient** | 0.055 | 0.229 | 0.057 | 0.231 |
| **D55\_outpatient** | 0.008 | 0.087 | 0.007 | 0.083 |
| **D60\_outpatient** | 0.041 | 0.197 | 0.041 | 0.197 |
| **D65\_outpatient** | 0.016 | 0.124 | 0.014 | 0.119 |
| **D70\_outpatient** | 0.010 | 0.098 | 0.011 | 0.103 |
| **D80\_outpatient** | 0.007 | 0.082 | 0.007 | 0.082 |
| **D\_outpatient** | 0.222 | 0.415 | 0.239 | 0.427 |
| **E00\_outpatient** | 0.159 | 0.366 | 0.161 | 0.368 |
| **E10\_outpatient** | 0.176 | 0.381 | 0.176 | 0.381 |
| **E15\_outpatient** | 0.002 | 0.041 | 0.002 | 0.041 |
| **E20\_outpatient** | 0.031 | 0.173 | 0.031 | 0.172 |
| **E40\_outpatient** | 0.002 | 0.040 | 0.002 | 0.041 |
| **E50\_outpatient** | 0.105 | 0.307 | 0.113 | 0.316 |
| **E65\_outpatient** | 0.169 | 0.374 | 0.167 | 0.373 |
| **E70\_outpatient** | 0.284 | 0.451 | 0.285 | 0.452 |
| **E\_outpatient** | 0.508 | 0.500 | 0.508 | 0.500 |
| **F00\_outpatient** | 0.039 | 0.194 | 0.039 | 0.194 |
| **F10\_outpatient** | 0.116 | 0.321 | 0.113 | 0.316 |
| **F20\_outpatient** | 0.021 | 0.144 | 0.021 | 0.145 |
| **F30\_outpatient** | 0.245 | 0.430 | 0.254 | 0.435 |
| **F40\_outpatient** | 0.288 | 0.453 | 0.283 | 0.451 |
| **F50\_outpatient** | 0.072 | 0.259 | 0.076 | 0.266 |
| **F60\_outpatient** | 0.033 | 0.178 | 0.035 | 0.185 |
| **F70\_outpatient** | 0.010 | 0.098 | 0.011 | 0.102 |
| **F80\_outpatient** | 0.042 | 0.200 | 0.044 | 0.205 |
| **F90\_outpatient** | 0.026 | 0.159 | 0.026 | 0.159 |
| **F99\_outpatient** | 0.006 | 0.079 | 0.006 | 0.075 |
| **F\_outpatient** | 0.521 | 0.500 | 0.523 | 0.499 |
| **G00\_outpatient** | 0.001 | 0.038 | 0.002 | 0.039 |
| **G10\_outpatient** | 0.001 | 0.031 | 0.001 | 0.033 |
| **G20\_outpatient** | 0.021 | 0.143 | 0.021 | 0.145 |
| **G30\_outpatient** | 0.009 | 0.095 | 0.010 | 0.098 |
| **G35\_outpatient** | 0.003 | 0.057 | 0.003 | 0.059 |
| **G40\_outpatient** | 0.168 | 0.373 | 0.171 | 0.377 |
| **G50\_outpatient** | 0.064 | 0.244 | 0.066 | 0.249 |
| **G60\_outpatient** | 0.068 | 0.252 | 0.068 | 0.252 |
| **G70\_outpatient** | 0.002 | 0.048 | 0.002 | 0.047 |
| **G80\_outpatient** | 0.015 | 0.123 | 0.015 | 0.120 |
| **G90\_outpatient** | 0.015 | 0.122 | 0.018 | 0.132 |
| **G\_outpatient** | 0.276 | 0.447 | 0.283 | 0.450 |
| **H00\_outpatient** | 0.080 | 0.271 | 0.078 | 0.269 |
| **H10\_outpatient** | 0.091 | 0.287 | 0.081 | 0.272 |
| **H15\_outpatient** | 0.022 | 0.147 | 0.024 | 0.151 |
| **H25\_outpatient** | 0.111 | 0.314 | 0.109 | 0.312 |
| **H30\_outpatient** | 0.092 | 0.289 | 0.090 | 0.286 |
| **H40\_outpatient** | 0.052 | 0.221 | 0.053 | 0.225 |
| **H43\_outpatient** | 0.025 | 0.157 | 0.024 | 0.152 |
| **H46\_outpatient** | 0.020 | 0.141 | 0.020 | 0.141 |
| **H49\_outpatient** | 0.241 | 0.428 | 0.240 | 0.427 |
| **H53\_outpatient** | 0.063 | 0.243 | 0.062 | 0.242 |
| **H55\_outpatient** | 0.012 | 0.110 | 0.011 | 0.106 |
| **H60\_outpatient** | 0.107 | 0.309 | 0.107 | 0.309 |
| **H65\_outpatient** | 0.076 | 0.265 | 0.071 | 0.257 |
| **H80\_outpatient** | 0.018 | 0.131 | 0.019 | 0.136 |
| **H90\_outpatient** | 0.098 | 0.297 | 0.097 | 0.296 |
| **H\_outpatient** | 0.457 | 0.498 | 0.455 | 0.498 |
| **I00\_outpatient** | 0.001 | 0.023 | 0.001 | 0.028 |
| **I05\_outpatient** | 0.008 | 0.091 | 0.009 | 0.095 |
| **I10\_outpatient** | 0.353 | 0.478 | 0.353 | 0.478 |
| **I20\_outpatient** | 0.096 | 0.295 | 0.096 | 0.295 |
| **I26\_outpatient** | 0.006 | 0.080 | 0.007 | 0.084 |
| **I30\_outpatient** | 0.120 | 0.324 | 0.120 | 0.325 |
| **I60\_outpatient** | 0.059 | 0.236 | 0.062 | 0.240 |
| **I70\_outpatient** | 0.061 | 0.239 | 0.059 | 0.236 |
| **I80\_outpatient** | 0.117 | 0.322 | 0.106 | 0.308 |
| **I95\_outpatient** | 0.040 | 0.195 | 0.034 | 0.182 |
| **I\_outpatient** | 0.455 | 0.498 | 0.449 | 0.497 |
| **J00\_outpatient** | 0.398 | 0.490 | 0.387 | 0.487 |
| **J09\_outpatient** | 0.030 | 0.171 | 0.029 | 0.168 |
| **J20\_outpatient** | 0.106 | 0.308 | 0.104 | 0.305 |
| **J30\_outpatient** | 0.202 | 0.402 | 0.200 | 0.400 |
| **J40\_outpatient** | 0.239 | 0.427 | 0.234 | 0.423 |
| **J60\_outpatient** | 0.003 | 0.052 | 0.002 | 0.048 |
| **J80\_outpatient** | 0.003 | 0.053 | 0.002 | 0.049 |
| **J85\_outpatient** | 0.001 | 0.023 | 0.000 | 0.021 |
| **J90\_outpatient** | 0.004 | 0.060 | 0.004 | 0.060 |
| **J95\_outpatient** | 0.061 | 0.240 | 0.063 | 0.243 |
| **J\_outpatient** | 0.630 | 0.483 | 0.621 | 0.485 |
| **K00\_outpatient** | 0.050 | 0.218 | 0.054 | 0.225 |
| **K20\_outpatient** | 0.199 | 0.399 | 0.197 | 0.398 |
| **K35\_outpatient** | 0.003 | 0.054 | 0.003 | 0.056 |
| **K40\_outpatient** | 0.032 | 0.176 | 0.032 | 0.175 |
| **K50\_outpatient** | 0.055 | 0.228 | 0.051 | 0.219 |
| **K55\_outpatient** | 0.129 | 0.335 | 0.128 | 0.334 |
| **K65\_outpatient** | 0.003 | 0.050 | 0.003 | 0.052 |
| **K70\_outpatient** | 0.070 | 0.255 | 0.070 | 0.256 |
| **K80\_outpatient** | 0.041 | 0.199 | 0.040 | 0.195 |
| **K90\_outpatient** | 0.012 | 0.109 | 0.012 | 0.107 |
| **K\_outpatient** | 0.418 | 0.493 | 0.413 | 0.492 |
| **L00\_outpatient** | 0.045 | 0.207 | 0.043 | 0.203 |
| **L10\_outpatient** | 0.001 | 0.026 | 0.001 | 0.031 |
| **L20\_outpatient** | 0.177 | 0.382 | 0.174 | 0.379 |
| **L40\_outpatient** | 0.030 | 0.169 | 0.029 | 0.167 |
| **L50\_outpatient** | 0.018 | 0.133 | 0.018 | 0.131 |
| **L55\_outpatient** | 0.013 | 0.114 | 0.014 | 0.118 |
| **L60\_outpatient** | 0.093 | 0.290 | 0.089 | 0.284 |
| **L80\_outpatient** | 0.076 | 0.264 | 0.073 | 0.260 |
| **L\_outpatient** | 0.332 | 0.471 | 0.327 | 0.469 |
| **M00\_outpatient** | 0.001 | 0.030 | 0.001 | 0.030 |
| **M05\_outpatient** | 0.047 | 0.211 | 0.047 | 0.212 |
| **M15\_outpatient** | 0.148 | 0.355 | 0.148 | 0.355 |
| **M20\_outpatient** | 0.163 | 0.370 | 0.164 | 0.370 |
| **M30\_outpatient** | 0.014 | 0.116 | 0.013 | 0.114 |
| **M40\_outpatient** | 0.088 | 0.283 | 0.082 | 0.275 |
| **M45\_outpatient** | 0.164 | 0.371 | 0.164 | 0.371 |
| **M50\_outpatient** | 0.362 | 0.480 | 0.363 | 0.481 |
| **M60\_outpatient** | 0.049 | 0.215 | 0.051 | 0.221 |
| **M65\_outpatient** | 0.025 | 0.156 | 0.024 | 0.153 |
| **M70\_outpatient** | 0.200 | 0.400 | 0.194 | 0.395 |
| **M80\_outpatient** | 0.051 | 0.220 | 0.050 | 0.218 |
| **M86\_outpatient** | 0.006 | 0.080 | 0.007 | 0.081 |
| **M91\_outpatient** | 0.021 | 0.144 | 0.020 | 0.139 |
| **M95\_outpatient** | 0.105 | 0.306 | 0.101 | 0.302 |
| **M\_outpatient** | 0.562 | 0.496 | 0.561 | 0.496 |
| **N00\_outpatient** | 0.039 | 0.194 | 0.040 | 0.195 |
| **N10\_outpatient** | 0.009 | 0.096 | 0.009 | 0.094 |
| **N17\_outpatient** | 0.054 | 0.226 | 0.056 | 0.229 |
| **N20\_outpatient** | 0.021 | 0.145 | 0.020 | 0.141 |
| **N25\_outpatient** | 0.023 | 0.150 | 0.022 | 0.147 |
| **N30\_outpatient** | 0.118 | 0.322 | 0.122 | 0.327 |
| **N40\_outpatient** | 0.082 | 0.275 | 0.083 | 0.276 |
| **N60\_outpatient** | 0.019 | 0.137 | 0.020 | 0.141 |
| **N70\_outpatient** | 0.046 | 0.208 | 0.042 | 0.201 |
| **N80\_outpatient** | 0.191 | 0.393 | 0.188 | 0.391 |
| **N99\_outpatient** | 0.001 | 0.035 | 0.001 | 0.033 |
| **N\_outpatient** | 0.394 | 0.489 | 0.394 | 0.489 |
| **O00\_outpatient** | 0.007 | 0.085 | 0.005 | 0.073 |
| **O09\_outpatient** | 0.019 | 0.136 | 0.018 | 0.133 |
| **O10\_outpatient** | 0.001 | 0.034 | 0.001 | 0.038 |
| **O20\_outpatient** | 0.017 | 0.128 | 0.017 | 0.128 |
| **O30\_outpatient** | 0.009 | 0.093 | 0.009 | 0.092 |
| **O60\_outpatient** | 0.004 | 0.061 | 0.003 | 0.056 |
| **O80\_outpatient** | 0.002 | 0.045 | 0.002 | 0.040 |
| **O85\_outpatient** | 0.003 | 0.056 | 0.003 | 0.053 |
| **O94\_outpatient** | 0.005 | 0.069 | 0.005 | 0.073 |
| **O\_outpatient** | 0.027 | 0.163 | 0.026 | 0.160 |
| **P00\_outpatient** | 0.000 | 0.012 | 0.000 | 0.010 |
| **P05\_outpatient** | 0.003 | 0.051 | 0.004 | 0.061 |
| **P10\_outpatient** | 0.000 | 0.012 | 0.000 | 0.015 |
| **P20\_outpatient** | 0.000 | 0.021 | 0.000 | 0.022 |
| **P35\_outpatient** | 0.000 | 0.017 | 0.000 | 0.022 |
| **P50\_outpatient** | 0.001 | 0.035 | 0.002 | 0.045 |
| **P70\_outpatient** | 0.000 | 0.010 | 0.000 | 0.010 |
| **P75\_outpatient** | 0.000 | 0.012 | 0.000 | 0.010 |
| **P80\_outpatient** | 0.000 | 0.012 | 0.000 | 0.021 |
| **P90\_outpatient** | 0.002 | 0.049 | 0.003 | 0.054 |
| **P\_outpatient** | 0.006 | 0.079 | 0.008 | 0.092 |
| **Q00\_outpatient** | 0.003 | 0.051 | 0.003 | 0.052 |
| **Q10\_outpatient** | 0.004 | 0.064 | 0.004 | 0.067 |
| **Q20\_outpatient** | 0.008 | 0.088 | 0.008 | 0.091 |
| **Q30\_outpatient** | 0.001 | 0.023 | 0.000 | 0.017 |
| **Q35\_outpatient** | 0.000 | 0.022 | 0.001 | 0.027 |
| **Q38\_outpatient** | 0.003 | 0.056 | 0.003 | 0.056 |
| **Q50\_outpatient** | 0.007 | 0.081 | 0.006 | 0.077 |
| **Q60\_outpatient** | 0.015 | 0.121 | 0.014 | 0.117 |
| **Q65\_outpatient** | 0.085 | 0.279 | 0.085 | 0.278 |
| **Q80\_outpatient** | 0.013 | 0.115 | 0.012 | 0.109 |
| **Q90\_outpatient** | 0.001 | 0.038 | 0.002 | 0.041 |
| **Q\_outpatient** | 0.129 | 0.336 | 0.128 | 0.334 |
| **R00\_outpatient** | 0.203 | 0.402 | 0.203 | 0.402 |
| **R10\_outpatient** | 0.264 | 0.441 | 0.254 | 0.435 |
| **R20\_outpatient** | 0.030 | 0.170 | 0.029 | 0.169 |
| **R25\_outpatient** | 0.068 | 0.251 | 0.071 | 0.256 |
| **R30\_outpatient** | 0.070 | 0.254 | 0.068 | 0.252 |
| **R40\_outpatient** | 0.095 | 0.293 | 0.097 | 0.296 |
| **R47\_outpatient** | 0.019 | 0.138 | 0.019 | 0.137 |
| **R50\_outpatient** | 0.345 | 0.475 | 0.347 | 0.476 |
| **R70\_outpatient** | 0.026 | 0.160 | 0.029 | 0.167 |
| **R80\_outpatient** | 0.012 | 0.109 | 0.013 | 0.114 |
| **R83\_outpatient** | 0.003 | 0.058 | 0.004 | 0.061 |
| **R90\_outpatient** | 0.016 | 0.124 | 0.015 | 0.122 |
| **R95\_outpatient** | 0.000 | 0.000 | 0.000 | 0.010 |
| **R\_outpatient** | 0.636 | 0.481 | 0.635 | 0.481 |
| **S00\_outpatient** | 0.031 | 0.173 | 0.030 | 0.169 |
| **S10\_outpatient** | 0.007 | 0.083 | 0.006 | 0.074 |
| **S20\_outpatient** | 0.013 | 0.113 | 0.012 | 0.109 |
| **S30\_outpatient** | 0.012 | 0.109 | 0.011 | 0.106 |
| **S40\_outpatient** | 0.012 | 0.109 | 0.013 | 0.115 |
| **S50\_outpatient** | 0.011 | 0.106 | 0.012 | 0.107 |
| **S60\_outpatient** | 0.026 | 0.159 | 0.026 | 0.159 |
| **S70\_outpatient** | 0.008 | 0.091 | 0.008 | 0.092 |
| **S80\_outpatient** | 0.027 | 0.161 | 0.028 | 0.165 |
| **S90\_outpatient** | 0.032 | 0.175 | 0.030 | 0.169 |
| **S\_outpatient** | 0.144 | 0.352 | 0.141 | 0.348 |
| **T00\_outpatient** | 0.005 | 0.071 | 0.005 | 0.068 |
| **T08\_outpatient** | 0.072 | 0.259 | 0.069 | 0.253 |
| **T15\_outpatient** | 0.011 | 0.105 | 0.011 | 0.106 |
| **T20\_outpatient** | 0.003 | 0.053 | 0.003 | 0.059 |
| **T26\_outpatient** | 0.000 | 0.018 | 0.000 | 0.021 |
| **T29\_outpatient** | 0.005 | 0.074 | 0.005 | 0.074 |
| **T33\_outpatient** | 0.000 | 0.012 | 0.000 | 0.000 |
| **T36\_outpatient** | 0.077 | 0.266 | 0.003 | 0.054 |
| **T51\_outpatient** | 0.006 | 0.079 | 0.006 | 0.080 |
| **T66\_outpatient** | 0.053 | 0.224 | 0.051 | 0.220 |
| **T79\_outpatient** | 0.008 | 0.091 | 0.010 | 0.097 |
| **T80\_outpatient** | 0.053 | 0.224 | 0.062 | 0.241 |
| **T89\_outpatient** | 0.002 | 0.041 | 0.002 | 0.041 |
| **T90\_outpatient** | 0.003 | 0.057 | 0.003 | 0.055 |
| **T\_outpatient** | 0.249 | 0.432 | 0.196 | 0.397 |
| **U00\_outpatient** | 0.000 | 0.000 | 0.000 | 0.000 |
| **U50\_outpatient** | 0.009 | 0.092 | 0.008 | 0.087 |
| **U55\_outpatient** | 0.000 | 0.000 | 0.000 | 0.000 |
| **U60\_outpatient** | 0.001 | 0.036 | 0.001 | 0.035 |
| **U69\_outpatient** | 0.000 | 0.007 | 0.000 | 0.018 |
| **U80\_outpatient** | 0.001 | 0.033 | 0.000 | 0.022 |
| **U99\_outpatient** | 0.000 | 0.000 | 0.000 | 0.000 |
| **UUU\_outpatient** | 0.000 | 0.000 | 0.000 | 0.000 |
| **U\_outpatient** | 0.256 | 0.436 | 0.203 | 0.402 |
| **V01\_outpatient** | 0.001 | 0.029 | 0.001 | 0.026 |
| **V\_outpatient** | 0.001 | 0.029 | 0.001 | 0.026 |
| **X60\_outpatient** | 0.000 | 0.007 | 0.000 | 0.010 |
| **X85\_outpatient** | 0.000 | 0.007 | 0.000 | 0.000 |
| **X\_outpatient** | 0.000 | 0.010 | 0.000 | 0.010 |
| **Y10\_outpatient** | 0.000 | 0.007 | 0.000 | 0.007 |
| **Y35\_outpatient** | 0.000 | 0.000 | 0.000 | 0.000 |
| **Y40\_outpatient** | 0.001 | 0.032 | 0.001 | 0.029 |
| **Y\_outpatient** | 0.001 | 0.033 | 0.001 | 0.030 |
| **Z00\_outpatient** | 0.470 | 0.499 | 0.491 | 0.500 |
| **Z20\_outpatient** | 0.223 | 0.416 | 0.218 | 0.413 |
| **Z30\_outpatient** | 0.134 | 0.340 | 0.130 | 0.337 |
| **Z40\_outpatient** | 0.090 | 0.287 | 0.093 | 0.290 |
| **Z55\_outpatient** | 0.023 | 0.150 | 0.023 | 0.149 |
| **Z70\_outpatient** | 0.096 | 0.294 | 0.103 | 0.304 |
| **Z80\_outpatient** | 0.182 | 0.386 | 0.193 | 0.394 |
| **Z\_outpatient** | 0.668 | 0.471 | 0.682 | 0.466 |
| **Num\_ATC\_prescriptions** | 3.575 | 2.034 | 3.535 | 2.028 |
| **Num\_Hospital\_Diagnoses** | 0.377 | 0.893 | 0.360 | 0.837 |
| **Num\_outpatient\_Diagnoses** | 7.131 | 3.273 | 7.079 | 3.261 |
| **High\_cost\_patient\_dummy** | 0.049 | 0.216 | 0.049 | 0.216 |
| **Total\_costs** | 1,422.907 | 9,747.181 | 1,463.803 | 9,862.075 |
| **Need\_of\_Care\_Duration** | 0.248 | 1.366 | 0.277 | 1.485 |
| **DMP\_Duration** | 1.530 | 4.668 | 1.628 | 4.821 |