Replicated Tables

Table 1: Descriptive Statistics for Fee Waiver Information Study (N=1,537)

	Mean	SD
Submitted Naturalization Application	0.31	0.46
Household income (binned to quartiles)	2.50	1.12
Household size (binned to quartiles)	2.16	1.20
Years on green card (binned to quartiles)	2.44	1.12
Eligible after 5 years on GC	0.86	0.35
Age (binned to quartiles)	2.47	1.11
Female	0.63	0.48
Origin:		
Dominican Republic	0.27	0.44
China	0.08	0.27
Ecuador	0.06	0.23
Marital Status:		
Married	0.34	0.47
Single	0.49	0.50
Highest Education:		
High School/GED degree	0.27	0.45
Some College	0.24	0.42
BA degree or higher	0.29	0.46
Language:		
English (registered)	0.66	0.47
Spanish (registered)	0.25	0.43
English (preferred)	0.53	0.50
Spanish (preferred)	0.34	0.48
Treatment Received:		
Ever received a fee waiver notice	0.79	0.41
Received fee waiver notice during first registration	0.76	0.43

Note: Sample consists of legal permanent residents who registered for the naturalization program and are potentially eligible for the federal fee waiver because their household income is below 150 percent of the Federal Poverty Guidelines or they receive means-tested benefits.

Table 2: Balance Checks

	Fee Waiver Note (Any)		Fee Waiver Note (First Registration)	
	(1)	(2)	(3)	(4)
High School/GED degree	0.013	0.000	0.009	-0.001
	(0.034)	(0.043)	(0.035)	(0.045)
Some College	0.063	0.010	0.054	0.003
	(0.034)	(0.044)	(0.036)	(0.046)
BA degree or higher	0.016	-0.011	0.026	0.011
	(0.034)	(0.044)	(0.035)	(0.045)
Female	-0.024	0.003	-0.010	0.008
	(0.022)	(0.029)	(0.023)	(0.030)
English (preferred)	-0.081	-0.026	-0.070	-0.033
	(0.043)	(0.063)	(0.046)	(0.063)
Spanish (preferred)	-0.107	-0.045	-0.088	-0.077
	(0.053)	(0.074)	(0.057)	(0.077)
Years on green card (binned to quartiles)	0.008	-0.000	0.007	0.004
	(0.010)	(0.013)	(0.011)	(0.014)
Age (binned to quartiles)	-0.007	0.011	-0.008	0.006
	(0.013)	(0.017)	(0.014)	(0.017)
Household size (binned to quartiles)	-0.002	0.005	-0.009	-0.003
	(0.011)	(0.015)	(0.011)	(0.015)
Household income (binned to quartiles)	0.015	0.020	0.020	0.025
	(0.011)	(0.014)	(0.011)	(0.015)
Married	-0.010	0.011	0.017	0.048
	(0.036)	(0.047)	(0.038)	(0.049)
Single	-0.014	0.001	0.008	0.009
	(0.033)	(0.043)	(0.034)	(0.046)
Eligible after 5 years on GC	0.058	0.082	0.050	0.085
	(0.038)	(0.048)	(0.039)	(0.050)
English (registered)	0.030	0.014	0.020	0.038
	(0.048)	(0.073)	(0.050)	(0.074)
Spanish (registered)	-0.012	-0.050	-0.021	0.002
	(0.060)	(0.087)	(0.064)	(0.090)
Dominican Republic	-0.006	-0.031	-0.024	-0.039
	(0.028)	(0.037)	(0.030)	(0.039)
China	-0.050	-0.078	-0.032	-0.066
	(0.044)	(0.060)	(0.045)	(0.061)
Ecuador	-0.002	0.059	-0.007	0.062
	(0.049)	(0.059)	(0.051)	(0.061)
Constant	0.769	0.667	0.730	0.609
	(0.090)	(0.117)	(0.092)	(0.121)
Observations	1537	935	1537	935
Adjusted R^2	0.005	-0.002	0.003	-0.001
F-value	1.442	0.868	1.230	0.929
P-value	0.103	0.619	0.228	0.543

Note: Regression coefficients shown with robust standard errors in parentheses. F-values and P-values in the bottom rows are from omnibus F tests against the null that all slope coefficients are jointly equal to zero. Models 1 and 3 refer to the samples of all participants; models 2 and 4 to the samples of participants who responded to the follow-up survey.

Table 3: Survey Response Checks for Fee Waiver Study

	Responded to Survey			
	(1)	(2)	(3)	(4)
Ever received a fee waiver notice	0.003	-0.289	0.008	-0.340
	(0.030)	(0.250)	(0.033)	(0.264)
High School/GED degree		0.101		0.106
		(0.080)		(0.083)
Some College		0.204		0.208
		(0.084)		(0.091)
BA degree or higher		0.111		0.090
		(0.084)		(0.087)
Female		-0.049		-0.021
		(0.057)		(0.061)
English (preferred)		-0.100		-0.034
		(0.136)		(0.148)
Spanish (preferred)		-0.004		0.147
		(0.159)		(0.171)
Years on green card (binned to quartiles)		0.004		-0.010
		(0.027)		(0.028)
Age (binned to quartiles)		-0.068		-0.058
		(0.031)		(0.033)
Household size (binned to quartiles)		-0.018		-0.015
		(0.028)		(0.029)
Household income (binned to quartiles)		0.002		-0.002
		(0.028)		(0.030)
Married		0.053		0.034
		(0.094)		(0.104)
Single		0.074		0.112
		(0.085)		(0.092)
Eligible after 5 years on GC		-0.010		-0.043
		(0.094)		(0.097)
English (registered)		0.049		-0.047
		(0.145)		(0.151)
Spanish (registered)		0.008		-0.154
		(0.169)		(0.177)
Dominican Republic		0.083		0.061
		(0.071)		(0.076)
China		0.084		0.096
		(0.105)		(0.109)
Ecuador		-0.198		-0.245
		(0.121)		(0.130)
FW Note × High School/GED degree		-0.060		-0.066
		(0.091)		(0.097)
FW Note × Some College		-0.197		-0.199
		(0.096)		(0.105)
FW Note × BA degree or higher		-0.079		-0.051
		(0.095)		(0.099)
FW Note × Female		0.056		0.020
		(0.064)		(0.070)
FW Note × English (preferred)		0.192		0.117
		(0.150)		(0.164)
FW Note × Spanish (preferred)		0.201		0.018
		(0.176)		(0.192)
FW Note × Years on green card (binned to quartiles)		-0.031		-0.014
		(0.030)		(0.032)
FW Note × Age (binned to quartiles)		0.064		0.051
		(0.036)		(0.038)
FW Note × Household size (binned to quartiles)		0.023		0.019
		(0.031)		(0.034)
FW Note × Household income (binned to quartiles)		0.014		0.019
		(0.032)		(0.035)
FW Note × Married		0.043		0.070
		(0.106)		(0.119)
FW Note × Single		0.014		-0.032
		(0.096)		(0.106)
FW Note × Eligible after 5 years on GC		0.067		0.111
		(0.106)		(0.111)
FW Note × English (registered)		-0.047		0.070
		(0.162)		(0.170)
FW Note × Spanish (registered)		-0.119		0.083
		(0.189)		(0.201)
FW Note × Dominican Republic		-0.095		-0.066
		(0.081)		(0.088)
FW Note × China		-0.109		-0.126
		(0.122)		(0.126)
FW Note × Ecuador		0.221		0.275
		(0.137)		(0.148)
Constant	0.606	0.690	0.602	0.722
	(0.027)	(0.219)	(0.029)	(0.229)
Covariates	No	Yes	No	Yes
Observations	1537	1537	1537	1537
Adusted R^2	-0.001	0.013	.	0.011
F-value	0.009	1.487		
Chi-Square			0.064	26.689
P-value	0.924	0.081	0.800	0.112

Note: Regression coefficients shown with robust standard errors in parentheses. Models 1 and 2 regress whether a participant responded to the survey on the indicator for whether participants ever received with information about the fee waiver program plus all interactions of this indiciator with the covariates. Models 3 and 4 are instrumental variable regressions where the indicator for whether participants ever received information about the fee waiver program is instrumented by an indicator for whether they received information about the fee waiver program during their first registration. For Model 4 the interactions between the covariates and the treatment are also instrumented by the interactions between receiving information about the fee waiver program during the first registration and the covariates. The Chi-Square-test for Model 3 tests the null that the coefficients on the treatement and the coefficients on the interactions of the covariates with the treatment are jointly equal to zero. The Chi-Square test for Model 4 is also a joint significance test against the null that the coefficients on the treatment and the interactions of the covariates with the treatment are jointly equal to zero.

Table 4: Effect Estimates

	Applied for Naturalization					
	(1)	(2)	(3)	(4)	(5)	(6)
Ever received a fee waiver notice	0.086	0.082	0.084	0.083	0.077	0.078
	(0.035)	(0.034)	(0.034)	(0.038)	(0.037)	(0.037)
High School/GED degree		0.016	0.010		0.016	0.010
		(0.047)	(0.047)		(0.047)	(0.046)
Some College		-0.038	-0.035		-0.038	-0.034
		(0.047)	(0.048)		(0.047)	(0.048)
BA degree or higher		0.031	0.024		0.031	0.024
		(0.047)	(0.048)		(0.047)	(0.048)
Female		-0.048	-0.040		-0.048	-0.040
		(0.032)	(0.032)		(0.032)	(0.031)
English (preferred)		-0.158	0.018		-0.158	0.017
		(0.054)	(0.074)		(0.054)	(0.073)
Spanish (preferred)		-0.198	0.010		-0.198	0.010
		(0.056)	(0.085)		(0.056)	(0.084)
Years on green card (binned to quartiles)		-0.036	-0.043		-0.036	-0.043
		(0.014)	(0.015)		(0.014)	(0.014)
Age (binned to quartiles)			0.024			0.024
			(0.018)			(0.018)
Household size (binned to quartiles)			-0.018			-0.018
			(0.015)			(0.015)
Household income (binned to quartiles)			-0.006			-0.006
			(0.016)			(0.016)
Married			0.108			0.108
			(0.051)			(0.051)
Single			0.044			0.044
			(0.047)			(0.046)
Eligible after 5 years on GC			0.090			0.090
			(0.052)			(0.052)
English (registered)			-0.143			-0.143
			(0.084)			(0.083)
Spanish (registered)			-0.183			-0.183
			(0.098)			(0.097)
Dominican Republic			-0.008			-0.009
			(0.038)			(0.038)
China			0.197			0.196
			(0.069)			(0.068)
Ecuador			-0.025			-0.025
			(0.066)			(0.065)
Constant	0.245	0.514	0.348	0.247	0.519	0.352
	(0.030)	(0.078)	(0.130)	(0.033)	(0.078)	(0.129)
Covariates	No	Limited Set	Extensive Set	No	Limited Set	Extensive Set
Observations	935	935	935	935	935	935

Note: Regression coefficients shown with robust standard errors in parentheses. Models 1-3 regress the outcome on the indicator for whether participants ever received information about the fee waiver program. Models 4-6 are instrumental variable regressions where the indicator for whether participants ever received information about the fee waiver program is instrumented by whether they received information about the fee waiver program the first time they completed the registration.

Table 5: Effect Estimates (Controlling for Time of Registration)

	Applied for Naturalization					
	(1)	(2)	(3)	(4)	(5)	(6)
Ever received a fee waiver notice	0.086	0.086	0.087	0.083	0.081	0.081
	(0.035)	(0.034)	(0.034)	(0.038)	(0.037)	(0.037)
High School/GED degree		0.020	0.014		0.020	0.014
		(0.046)	(0.047)		(0.046)	(0.046)
Some College		-0.029	-0.027		-0.029	-0.027
		(0.047)	(0.048)		(0.047)	(0.048)
BA degree or higher		0.038	0.030		0.038	0.029
		(0.047)	(0.048)		(0.047)	(0.047)
Female		-0.046	-0.039		-0.046	-0.038
		(0.032)	(0.032)		(0.031)	(0.031)
English (preferred)		-0.154	0.015		-0.154	0.015
		(0.054)	(0.074)		(0.054)	(0.073)
Spanish (preferred)		-0.196	0.008		-0.196	0.008
		(0.056)	(0.085)		(0.056)	(0.084)
Years on green card (binned to quartiles)		-0.039	-0.044		-0.039	-0.044
		(0.014)	(0.015)		(0.014)	(0.014)
Time Between Sign-Up and Survey		0.002	0.001		0.002	0.001
		(0.001)	(0.001)		(0.001)	(0.001)
Age (binned to quartiles)			0.022			0.022
			(0.018)			(0.018)
Household size (binned to quartiles)			-0.019			-0.019
			(0.015)			(0.015)
Household income (binned to quartiles)			-0.005			-0.005
			(0.016)			(0.016)
Married			0.112			0.113
			(0.051)			(0.051)
Single			0.048			0.048
			(0.047)			(0.047)
Eligible after 5 years on GC			0.087			0.087
			(0.052)			(0.051)
English (registered)			-0.140			-0.140
			(0.084)			(0.083)
Spanish (registered)			-0.183			-0.183
			(0.098)			(0.097)
Dominican Republic			-0.008			-0.009
			(0.038)			(0.037)
China			0.186			0.186
			(0.069)			(0.068)
Ecuador			-0.025			-0.024
			(0.066)			(0.065)
Constant	0.245	0.253	0.120	0.247	0.258	0.125
	(0.030)	(0.136)	(0.168)	(0.033)	(0.136)	(0.167)
Covariates	No	Limited Set	Extensive Set	No	Limited Set	Extensive Set
Observations	935	935	935	935	935	935

Note: Regression coefficients shown with robust standard errors in parentheses. Models 1-3 regress the outcome on the indicator for whether participants ever received information about the fee waiver program. Models 4-6 are instrumental variable regressions where the indicator for whether participants ever received information about the fee waiver program is instrumented by whether they received information about the fee waiver program the first time they completed the registration. This table includes an additional covariate for the time between registration and survey response. This variable was not pre-specified so is included in a separate regression table. The addition of this variable does not change the results.

Table 6: Effect Estimates of the Information Treatment by Subsample (Models 1 - 7)

	Applied for Naturalization						
	(1)	(2)	(3)	(4)	(5)	(6)	(7)
Ever received a fee waiver notice	0.097	0.078	0.209	0.099	0.074	0.070	0.145
	(0.060)	(0.043)	(0.067)	(0.050)	(0.049)	(0.044)	(0.057)
Constant	0.274	0.228	0.111	0.232	0.257	0.252	0.145
	(0.052)	(0.037)	(0.053)	(0.043)	(0.043)	(0.039)	(0.045)
Observations	345	590	167	431	504	632	231
Subsample	Male	Female	<High School	<College	Some College or More	English	Spanish

Note: Regression coefficients shown with robust standard errors in parentheses. Model 1 is the subsample of respondents that are males. Model 2 is the subsample of respondents that are females. Model 3 is the subsample of respondents that received less than a high school education. Model 4 is the subsample of respondents that did not receive any education greater than high school. Model 5 is the subsample of respondents that received at least some college education. Model 6 is the subsample of respondents that registered for the program using an English-language version of the registration. Model 7 is the subsample of respondents that registered for the program using a Spanish-language version of the registration.

Table 7: Effect Estimates of the Information Treatment by Subsample (Models 1 - 7)

	Applied for Naturalization						
	(1)	(2)	(3)	(4)	(5)	(6)	(7)
Ever received a fee waiver notice	0.097	0.078	0.209	0.099	0.074	0.070	0.145
	(0.060)	(0.043)	(0.067)	(0.050)	(0.049)	(0.044)	(0.057)
Constant	0.274	0.228	0.111	0.232	0.257	0.252	0.145
	(0.052)	(0.037)	(0.053)	(0.043)	(0.043)	(0.039)	(0.045)
Observations	345	590	167	431	504	632	231
Subsample	Male	Female	<High School	<College	Some College or More	English	Spanish

Note: Regression coefficients shown with robust standard errors in parentheses. Model 1 is the subsample of respondents that are males. Model 2 is the subsample of respondents that are females. Model 3 is the subsample of respondents that received less than a high school education. Model 4 is the subsample of respondents that did not receive any education greater than high school. Model 5 is the subsample of respondents that received at least some college education. Model 6 is the subsample of respondents that registered for the program using an English-language version of the registration. Model 7 is the subsample of respondents that registered for the program using a Spanish-language version of the registration.

Table 8: Effect Estimates (Multiple Imputation)

	Applied for Naturalization					
	(1)	(2)	(3)	(4)	(5)	(6)
Ever received a fee waiver notice	0.087	0.080	0.083	0.085	0.076	0.077
	(0.030)	(0.029)	(0.029)	(0.034)	(0.032)	(0.032)
High School/GED degree		0.013	0.009		0.013	0.009
		(0.047)	(0.047)		(0.046)	(0.047)
Some College		-0.045	-0.037		-0.045	-0.036
		(0.048)	(0.048)		(0.048)	(0.048)
BA degree or higher		0.014	0.013		0.014	0.013
		(0.045)	(0.044)		(0.045)	(0.044)
Female		-0.049	-0.037		-0.049	-0.037
		(0.032)	(0.031)		(0.032)	(0.031)
English (preferred)		-0.147	0.029		-0.147	0.029
		(0.050)	(0.077)		(0.050)	(0.076)
Spanish (preferred)		-0.186	0.023		-0.187	0.023
		(0.055)	(0.086)		(0.054)	(0.085)
Years on green card (binned to quartiles)		-0.039	-0.042		-0.039	-0.042
		(0.013)	(0.015)		(0.013)	(0.015)
Age (binned to quartiles)			0.017			0.017
			(0.016)			(0.016)
Household size (binned to quartiles)			-0.015			-0.015
			(0.014)			(0.014)
Household income (binned to quartiles)			-0.006			-0.006
			(0.016)			(0.016)
Married			0.103			0.103
			(0.063)			(0.063)
Single			0.043			0.043
			(0.044)			(0.044)
Eligible after 5 years on GC			0.086			0.087
			(0.051)			(0.051)
English (registered)			-0.146			-0.146
			(0.087)			(0.086)
Spanish (registered)			-0.178			-0.178
			(0.100)			(0.100)
Dominican Republic			-0.015			-0.015
			(0.037)			(0.037)
China			0.193			0.193
			(0.069)			(0.069)
Ecuador			-0.009			-0.009
			(0.063)			(0.063)
Constant	0.244	0.521	0.357	0.245	0.523	0.362
	(0.026)	(0.075)	(0.115)	(0.029)	(0.074)	(0.114)
Covariates	No	Limited Set	Extensive Set	No	Limited Set	Extensive Set
Observations	1537	1537	1537	1537	1537	1537

Note: Regression coefficients shown with robust standard errors in parentheses. Models 1-3 regress the outcome on the indicator for whether participants ever received information about the fee waiver program. Models 4-6 are instrumental variable regressions where the indicator for whether participants ever received information about the fee waiver program is instrumented by whether they received information about the fee waiver program the first time they completed the registration. All analyses are based on multiple imputation using 10 imputed datasets. See text for details.

Table 9: Comparison of the Sample of Registrants

	NaturalizeNY	New York City	New York State	United States
HH Income (1,000s)		50.84	51.51	43.06
Household Size		3.99	4.00	4.19
HH Income P.Cap (1,000s)		13.26	13.34	10.83
Age		48.05	47.86	45.84
Female	0.63	0.56	0.56	0.56
Dominican Republic	0.27	0.16	0.14	0.03
China	0.08	0.19	0.16	0.04
Ecuador	0.06	0.05	0.05	0.01
Mexico	0.04	0.11	0.11	0.52
Married	0.34	0.59	0.59	0.62
Less Than High School	0.20	0.43	0.43	0.51
High School/GED degree	0.27	0.30	0.29	0.25
BA Degree or Higher	0.29	0.16	0.17	0.13
Receives Means-Tested Benefits	0.69	0.84	0.82	0.68

Note: This table compares the sample in the experiment to the immigrant population that would be eligible for the fee waiver in New York City, New York State, and the United States. The comparison groups were created using data from the 2017 American Community Survey.

Table 10: Effect of Fee Waiver Notice on Fee Waiver Usage

	Used Fee Waiver for Naturalization Application					
	(1)	(2)	(3)	(4)	(5)	(6)
Ever received a fee waiver notice	0.100	0.101	0.105	0.088	0.089	0.093
	(0.030)	(0.030)	(0.030)	(0.033)	(0.033)	(0.033)
High School/GED degree		-0.003	-0.006		-0.003	-0.006
		(0.044)	(0.045)		(0.044)	(0.045)
Some College		-0.034	-0.034		-0.034	-0.034
		(0.044)	(0.045)		(0.044)	(0.045)
BA degree or higher		-0.024	-0.036		-0.025	-0.037
		(0.043)	(0.045)		(0.043)	(0.044)
Female		-0.036	-0.034		-0.036	-0.034
		(0.030)	(0.030)		(0.030)	(0.030)
English (preferred)		-0.081	0.067		-0.081	0.066
		(0.051)	(0.064)		(0.051)	(0.063)
Spanish (preferred)		-0.061	0.090		-0.062	0.089
		(0.053)	(0.075)		(0.053)	(0.074)
Years on green card (binned to quartiles)		-0.023	-0.030		-0.023	-0.030
		(0.013)	(0.014)		(0.013)	(0.013)
Age (binned to quartiles)			0.026			0.026
			(0.016)			(0.016)
Household size (binned to quartiles)			-0.017			-0.017
			(0.014)			(0.014)
Household income (binned to quartiles)			-0.005			-0.005
			(0.015)			(0.015)
Married			0.023			0.023
			(0.049)			(0.049)
Single			0.016			0.016
			(0.046)			(0.045)
Eligible after 5 years on GC			0.020			0.021
			(0.049)			(0.049)
English (registered)			-0.183			-0.183
			(0.082)			(0.081)
Spanish (registered)			-0.192			-0.192
			(0.095)			(0.094)
Dominican Republic			0.012			0.011
			(0.036)			(0.036)
China			0.075			0.074
			(0.063)			(0.062)
Ecuador			-0.047			-0.046
			(0.059)			(0.059)
Constant	0.152	0.309	0.313	0.162	0.319	0.321
	(0.026)	(0.071)	(0.122)	(0.028)	(0.072)	(0.122)
Covariates	No	Limited Set	Extensive Set	No	Limited Set	Extensive Set
Observations	935	935	935	935	935	935

Note: Regression coefficients shown with robust standard errors in parentheses. Models 1-3 regress fee waiver usage on the indicator for whether participants ever received information about the fee waiver program. Models 4-6 are instrumental variable regressions where the indicator for whether participants ever received information about the fee waiver program is instrumented by whether they received information about the fee waiver program the first time they completed the registration. All analyses are based on multiple imputation using 10 imputed datasets.