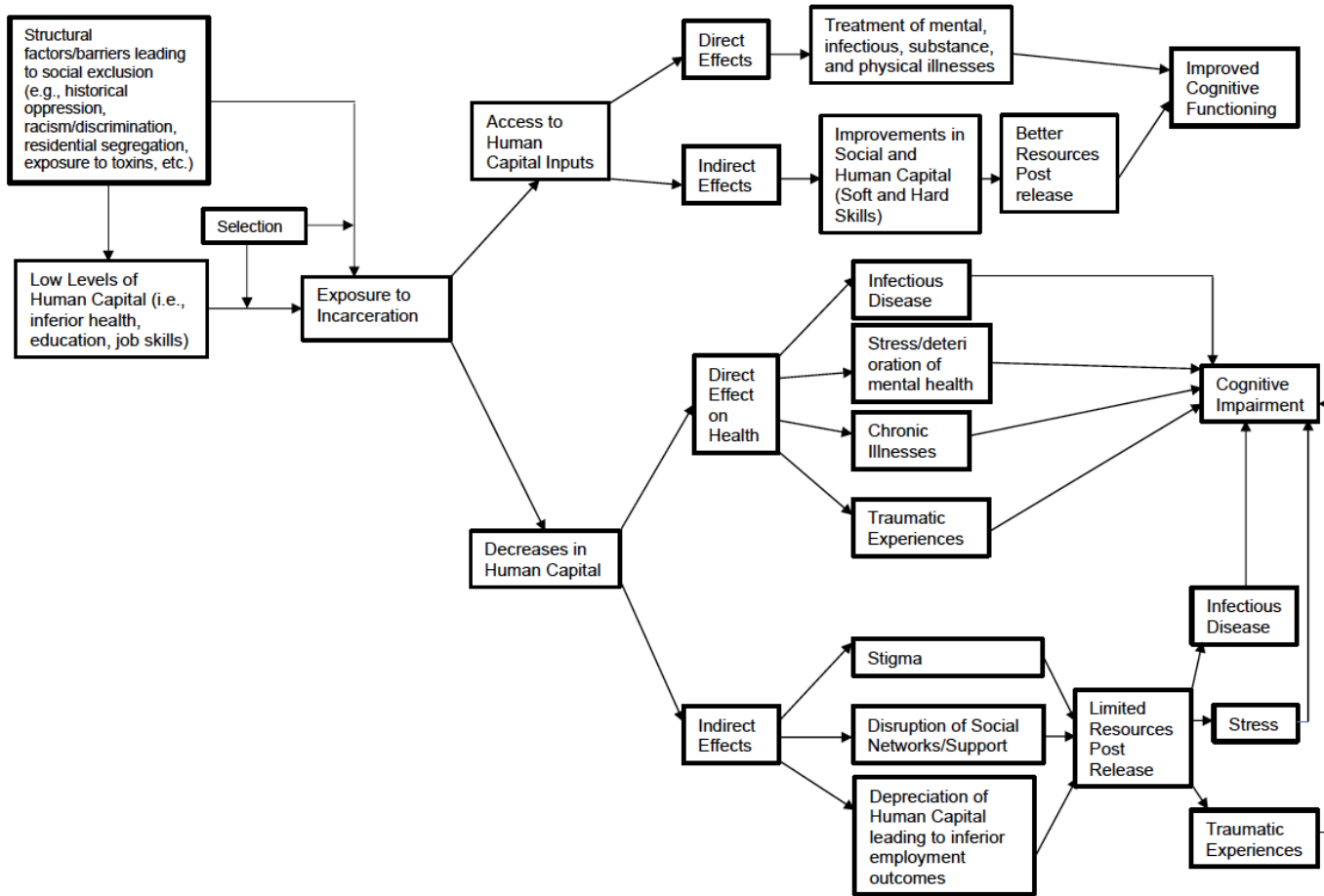


Appendix

Figures

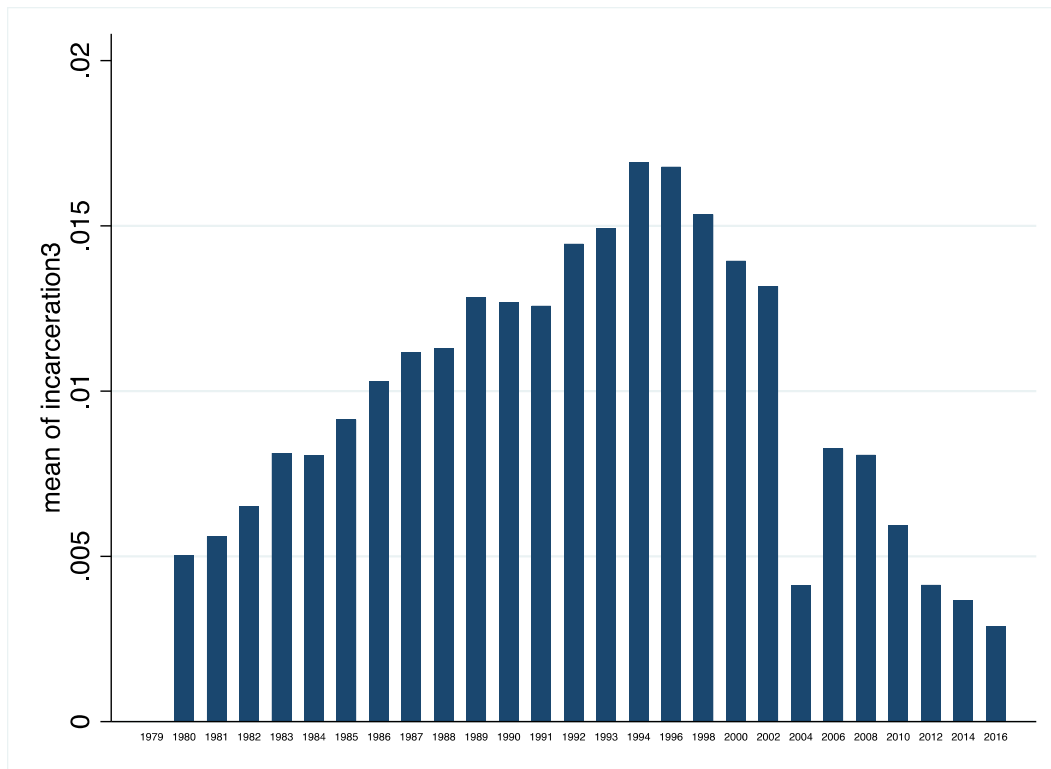
Figure 1

*Theoretical Model for Incarceration and Cognitive Functioning*

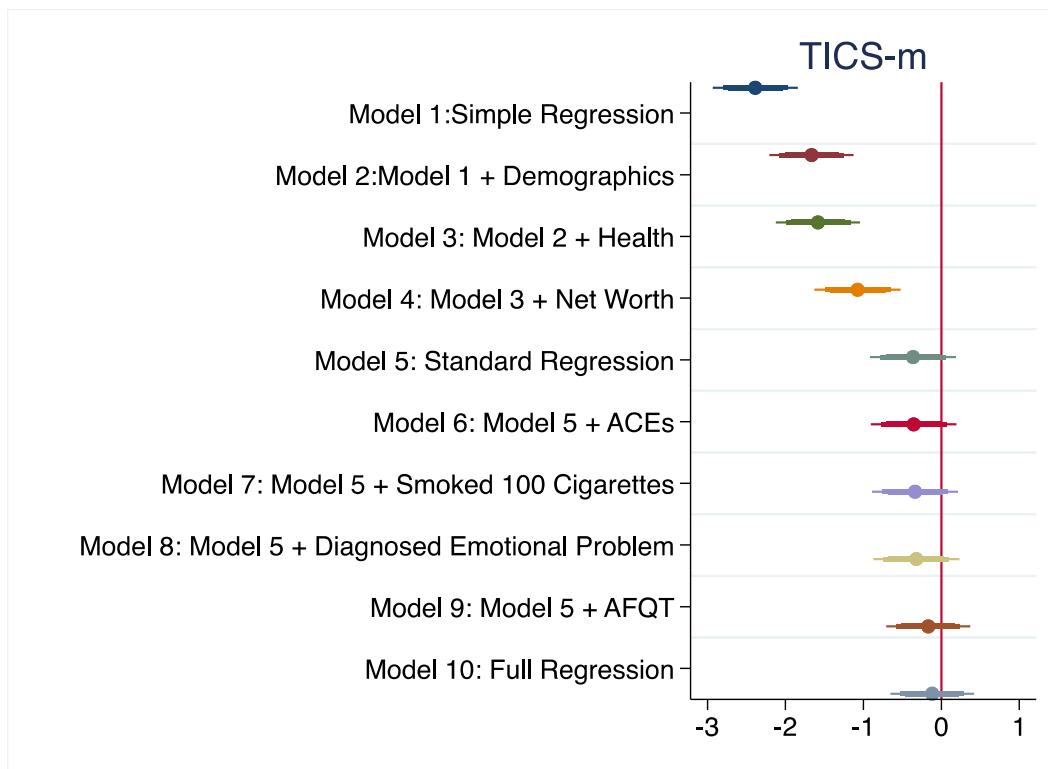


**Figure 2**

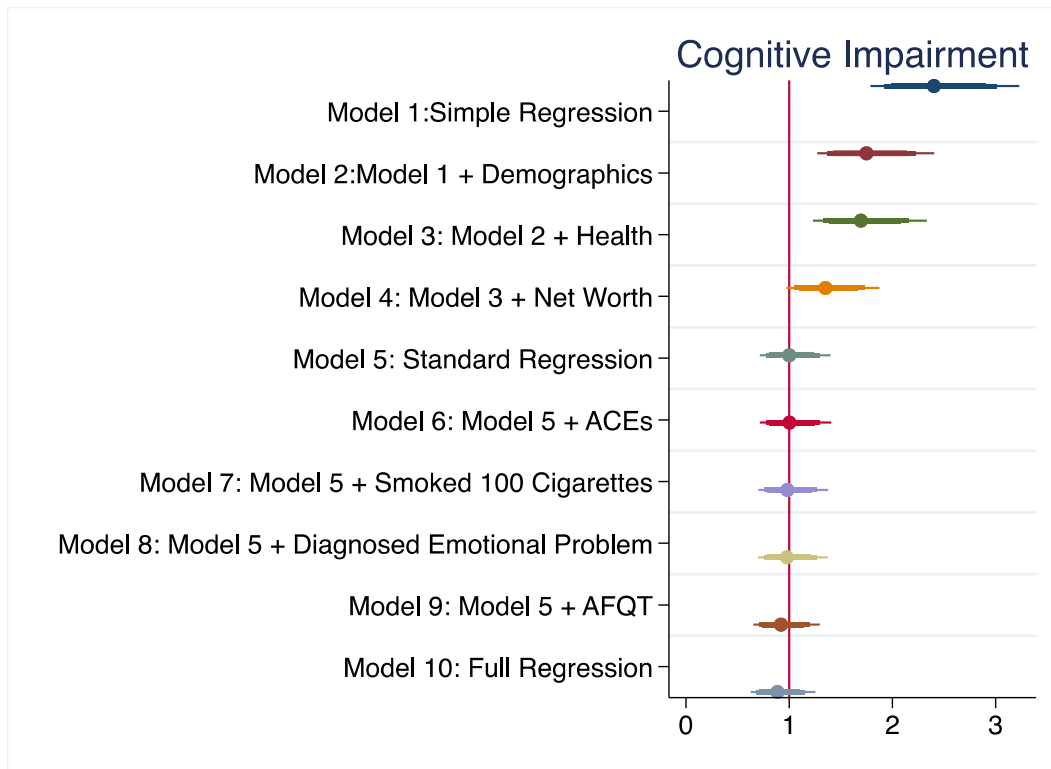
*Proportion of Sample Reporting Jail as Type of Residence by Survey Wave*



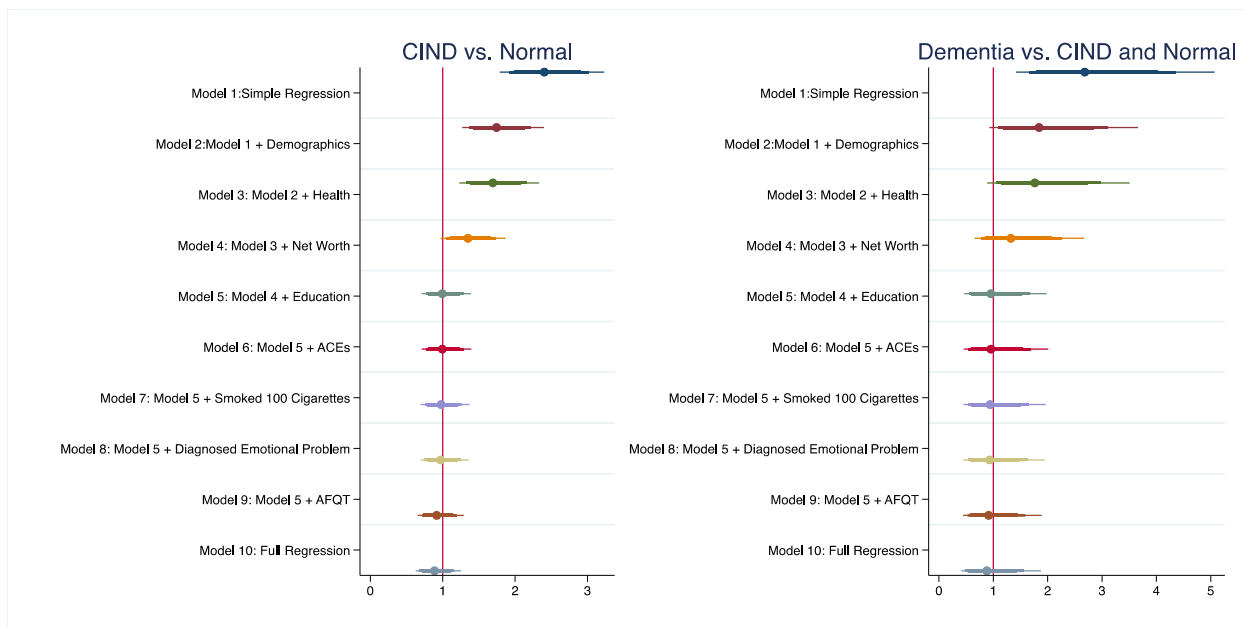
*Notes.* Figure by authors. Figure displays the proportion of individuals whose type of residence is reported as jail in the raw data at the time of the interview for each interview wave for those who took the 48+ Cognition Module. Another question in the 1980 survey wave asked if respondents had “Ever Been Sentenced to Any Type of Correctional Institution?” For those who took the 48+ Cognition Module, 2.2% (N=169) reported a previous incarceration in 1980, with 4.4% (N=352) of the 8,021 individuals missing data for this question.

**Figure 3***TICS-m Score Regressions*

*Note.* Figure by authors. Coefficient plots of coefficients for the prior incarceration variable across the described specifications using ordinary least squares. See Appendix Table 1 for complete results. Adverse childhood experiences (ACEs) variables are from the NLSY childhood health module introduced in 2012. Full regression includes all covariates. All models, except Model 1, include fixed effects for type of city at baseline, region at baseline, and type of city and region at year of 48+ Cognition Module. 99%, 95%, and 90% confidence intervals shown in figures are calculated using robust standard errors.

**Figure 4***Overall Cognitive Impairment Regressions*

*Note.* Figure by authors. Reported odds ratios (OR) for the prior incarceration variable across the described specifications estimated logistic regression. See Appendix Table 2 for complete results. Adverse childhood experience (ACEs) variables are from the NLSY childhood health module introduced in 2012. Full regression includes all covariates. All models, except Model 1, include fixed effects for type of city at baseline, region at baseline, and type of city and region at year of 48+ Cognition Module. 99%, 95%, and 90% confidence intervals shown in figures are calculated using robust standard errors.

**Figure 5***Generalized Ordered Logit Regressions*

*Note.* Figure by authors. Reported odds ratios (OR) for the prior incarceration variable across the described specifications estimated generalized ordered logit. See Appendix Table 3 for complete results. Adverse childhood experiences (ACEs) variables are from the NLSY childhood health module introduced in 2012. Full regression includes all covariates. All models, except Model 1, include fixed effects for type of city at baseline, region at baseline, and type of city and region at year of 48+ Cognition Module. 99%, 95%, and 90% confidence intervals shown in figures are calculated using robust standard errors.

## Tables

Table 1

*TICS-m Regressions*

	Simple		Standard Regressors				Augmented Regressors			
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Incarcerated prior to Cognition Survey	-2.457*** (0.211)	-1.665*** (0.209)	-1.583*** (0.210)	-1.075*** (0.214)	-0.363+ (0.214)	-0.355+ (0.213)	-0.337 (0.214)	-0.321 (0.214)	-0.168 (0.209)	-0.118 (0.208)
Incarcerated in the year of the Cognition Survey	0.116 (0.719)	0.466 (0.708)	0.475 (0.687)	0.733 (0.668)	0.759 (0.659)	0.615 (0.664)	0.764 (0.659)	0.769 (0.660)	0.753 (0.646)	0.653 (0.649)
Age at Interview		-0.085** (0.030)	-0.083** (0.029)	-0.076* (0.030)	-0.076** (0.029)	-0.081** (0.029)	-0.075** (0.029)	-0.075** (0.029)	-0.063* (0.028)	-0.067* (0.028)
Non-Hispanic Black		-2.318*** (0.124)	-2.257*** (0.127)	-1.740*** (0.130)	-1.594*** (0.125)	-1.552*** (0.126)	-1.605*** (0.125)	-1.650*** (0.126)	-0.306* (0.131)	-0.345*** (0.132)
Hispanic		-2.179*** (0.145)	-2.221*** (0.146)	-1.872*** (0.145)	-1.406*** (0.139)	-1.365*** (0.139)	-1.418*** (0.140)	-1.436*** (0.140)	-0.521*** (0.136)	-0.539*** (0.137)
Female		0.632*** (0.102)	0.692*** (0.103)	0.749*** (0.103)	0.623*** (0.099)	0.623*** (0.100)	0.621*** (0.099)	0.681*** (0.100)	0.826*** (0.095)	0.894*** (0.097)
<i>BMI</i>										
Underweight: BMI<18.5			-1.456* (0.608)	-1.150+ (0.595)	-0.748 (0.559)	-0.696 (0.553)	-0.750 (0.558)	-0.726 (0.556)	-0.813 (0.546)	-0.755 (0.535)
Overweight: 25 ≤ BMI < 30			0.389** (0.131)	0.429*** (0.128)	0.433*** (0.124)	0.433*** (0.124)	0.425*** (0.124)	0.433*** (0.124)	0.446*** (0.120)	0.447*** (0.120)
Obese: BMI ≥ 30			0.424** (0.143)	0.567*** (0.142)	0.596*** (0.136)	0.600*** (0.136)	0.584*** (0.137)	0.604*** (0.136)	0.598*** (0.129)	0.610*** (0.129)

*Reported diagnoses by:*

	Simple		Standard Regressors				Augmented Regressors			
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
<i>Health 50+ survey</i>										
Heart problems			-0.388* (0.195)	-0.218 (0.190)	-0.081 (0.187)	-0.045 (0.187)	-0.076 (0.187)	-0.003 (0.188)	-0.076 (0.178)	0.035 (0.179)
High blood pressure			-0.561*** (0.113)	-0.515*** (0.112)	-0.455*** (0.107)	-0.452*** (0.107)	-0.452*** (0.107)	-0.436*** (0.107)	-0.459*** (0.104)	-0.432*** (0.104)
Diabetes			-0.331* (0.153)	-0.229 (0.150)	-0.246+ (0.143)	-0.226 (0.143)	-0.247+ (0.143)	-0.210 (0.143)	-0.233+ (0.137)	-0.183 (0.137)
Stroke			-1.013** (0.318)	-0.759* (0.322)	-0.502 (0.305)	-0.469 (0.303)	-0.494 (0.305)	-0.440 (0.306)	-0.400 (0.294)	-0.312 (0.293)
<i>Net Worth</i>										
1st Quartile				-2.465*** (0.211)	-1.439*** (0.214)	-1.409*** (0.213)	-1.420*** (0.216)	-1.377*** (0.215)	-0.976*** (0.208)	-0.885*** (0.209)
2nd Quartile				-1.560*** (0.169)	-0.687*** (0.171)	-0.691*** (0.170)	-0.671*** (0.172)	-0.655*** (0.171)	-0.332* (0.165)	-0.302+ (0.166)
3rd Quartile				-0.481** (0.164)	-0.104 (0.156)	-0.119 (0.156)	-0.095 (0.157)	-0.090 (0.156)	0.063 (0.154)	0.067 (0.153)
<i>Education</i>										
HGC < 12 years					-3.687*** (0.182)	-3.599*** (0.183)	-3.651*** (0.184)	-3.672*** (0.182)	-1.372*** (0.200)	-1.303*** (0.199)
HGC = 12 years					-2.259*** (0.131)	-2.204*** (0.131)	-2.238*** (0.131)	-2.266*** (0.131)	-0.607*** (0.140)	-0.585*** (0.140)
12 < HGC < 16 years					-0.995*** (0.133)	-0.977*** (0.133)	-0.979*** (0.133)	-0.993*** (0.133)	-0.058 (0.135)	-0.049 (0.135)
<b>Augmented variables</b>										
<i>ACEs</i>										
Fair or poor health						-1.129*** (0.229)				-0.946*** (0.219)

	Simple			Standard Regressors			Augmented Regressors			
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Hospitalized $\geq$ 2 weeks						0.065 (0.201)				0.198 (0.191)
Confined to home or bed for $\geq$ 4 weeks						-0.269 (0.248)				-0.145 (0.239)
Lived with someone depressed, mentally ill, or suicidal						0.609** (0.189)				0.533** (0.186)
Lived with problem drinker or alcoholic						0.043 (0.135)				-0.028 (0.128)
Physically harmed by parent or adult more than once						0.246 (0.169)				0.279+ (0.161)
Little to no love from parent						-0.309* (0.136)				-0.159 (0.132)
Smoked at least 100 cigarettes in lifetime							-0.123 (0.101)			-0.025 (0.097)
Emotional disorder or depression								-0.428*** (0.129)		-0.542*** (0.127)
1980 Armed Forces Qualification Test Score									0.056*** (0.002)	0.055*** (0.002)
N	8021	8021	8021	8021	8021	8021	8021	8021	8021	8021
N (FD)	573	573	573	573	573	573	573	573	573	573
N (ND)	7448	7448	7448	7448	7448	7448	7448	7448	7448	7448

*Note.* Marginal effects with robust standard errors in parentheses. Missing data imputed using multiple imputation by chained equations. All models except the simple regression include fixed effects for type of city at baseline, region at baseline, type of city at year of survey, and region at year of survey.

+  $p < 0.10$ , \*  $p < 0.05$ , \*\*  $p < .01$ , \*\*\*  $p < .001$



Table 2

*Logistic Regressions for Cognitive Impairment*

	Simple					Standard Regressors					Augmented Regressors				
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
Incarcerated prior to Cognition Survey	2.402*** (0.275)	1.748*** (0.216)	1.694*** (0.210)	1.351* (0.171)	1.001 (0.131)	1.003 (0.131)	0.983 (0.129)	0.978 (0.128)	0.920 (0.122)	0.887 (0.119)					
Incarcerated in the year of the Cognition Survey	1.127 (0.375)	0.962 (0.329)	0.979 (0.335)	0.889 (0.298)	0.887 (0.310)	0.955 (0.334)	0.884 (0.308)	0.881 (0.310)	0.902 (0.318)	0.950 (0.334)					
Age at Interview	1.041* (0.019)	1.039* (0.019)	1.037* (0.019)	1.037+ (0.020)	1.041* (0.020)	1.045* (0.020)	1.041* (0.020)	1.041* (0.020)	1.037+ (0.021)	1.040+ (0.021)					
Non-Hispanic Black	3.366*** (0.301)	3.352*** (0.308)	2.662*** (0.252)	2.662*** (0.252)	2.562*** (0.247)	2.495*** (0.242)	2.586*** (0.248)	2.638*** (0.255)	1.258* (0.129)	1.288* (0.134)					
Hispanic	2.971*** (0.305)	3.111*** (0.325)	2.668*** (0.284)	2.202*** (0.241)	2.135*** (0.235)	2.227*** (0.244)	2.238*** (0.245)	1.311* (0.151)	1.323* (0.153)						
Female	0.794** (0.059)	0.756*** (0.057)	0.733*** (0.056)	0.781** (0.061)	0.785** (0.063)	0.784** (0.062)	0.758*** (0.061)	0.699*** (0.056)	0.683*** (0.057)						
<i>BMI</i>															
Underweight: BMI < 18.5	1.370 (0.496)	1.171 (0.441)	0.943 (0.377)	0.905 (0.363)	0.945 (0.377)	0.936 (0.373)	1.010 (0.430)	1.000 (0.422)							
Overweight: 25 ≤ BMI < 30	0.669*** (0.064)	0.660*** (0.064)	0.662*** (0.065)	0.658*** (0.065)	0.667*** (0.065)	0.664*** (0.065)	0.651*** (0.066)	0.655*** (0.067)							
Obese: BMI ≥ 30	0.654*** (0.069)	0.621*** (0.066)	0.622*** (0.067)	0.620*** (0.067)	0.630*** (0.068)	0.623*** (0.067)	0.613*** (0.067)	0.619*** (0.068)							
<i>Reported diagnoses by Health 50+ survey</i>															
Heart problems	1.078 (0.139)	0.993 (0.129)	0.924 (0.123)	0.909 (0.123)	0.919 (0.123)	0.887 (0.120)	0.920 (0.127)	0.870 (0.124)							

	Simple			Standard Regressors			Augmented Regressors			
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
High blood pressure			1.329*** (0.110)	1.308** (0.109)	1.284** (0.110)	1.287** (0.110)	1.282** (0.110)	1.269** (0.108)	1.294** (0.113)	1.278** (0.112)
Diabetes			1.290* (0.133)	1.232* (0.127)	1.251* (0.131)	1.237* (0.131)	1.251* (0.131)	1.232* (0.129)	1.230+ (0.131)	1.202+ (0.129)
Stroke			1.665** (0.305)	1.520* (0.286)	1.411+ (0.267)	1.412+ (0.268)	1.403+ (0.264)	1.370+ (0.260)	1.344 (0.261)	1.289 (0.253)
<i>Net Worth</i>										
1st Quartile				3.159*** (0.544)	1.963*** (0.358)	1.949*** (0.357)	1.935*** (0.354)	1.907*** (0.352)	1.445+ (0.268)	1.386+ (0.260)
2nd Quartile				2.096*** (0.330)	1.388+ (0.230)	1.394* (0.231)	1.372+ (0.228)	1.371+ (0.228)	1.082 (0.181)	1.067 (0.179)
3rd Quartile				1.059 (0.181)	0.876 (0.155)	0.887 (0.158)	0.870 (0.154)	0.871 (0.155)	0.769 (0.140)	0.772 (0.141)
<i>Education</i>										
HGC < 12 years					6.083*** (0.932)	5.863*** (0.898)	5.915*** (0.923)	6.029*** (0.924)	1.492* (0.250)	1.420* (0.241)
HGC = 12 years					3.331*** (0.474)	3.243*** (0.462)	3.279*** (0.471)	3.339*** (0.476)	1.186 (0.178)	1.154 (0.174)
12 < HGC < 16 years					1.645** (0.262)	1.637** (0.261)	1.622** (0.260)	1.638** (0.261)	0.886 (0.147)	0.868 (0.145)
<b>Augmented variables</b>										
<i>ACEs</i>										
Fair or poor health						1.430* (0.216)				1.322+ (0.201)
Hospitalized ≥ 2 weeks						1.007 (0.136)				0.939 (0.128)
Confined to home or bed for						1.279				1.204

	Simple					Standard Regressors					Augmented Regressors				
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)					
≥						(0.233)				(0.224)					
4 weeks															
Lived with someone depressed, mentally ill, or suicidal						0.756 (0.146)				0.778 (0.160)					
Lived with problem drinker or alcoholic						0.821 <sup>+</sup> (0.089)				0.896 (0.101)					
Physically harmed by parent or adult more than once						0.857 (0.118)				0.849 (0.121)					
Little to no love from parent						1.226 <sup>+</sup> (0.131)				1.119 (0.124)					
Smoked at least 100 cigarettes in lifetime							1.104 (0.091)			1.093 (0.092)					
Emotional disorder or depression								1.234* (0.116)		1.296* (0.131)					
1980 Armed Forces Qualification Test Score									0.959*** (0.003)	0.960*** (0.003)					
N	8021	8021	8021	8021	8021	8021	8021	8021	8021	8021					
N (FI)	573	573	573	573	573	573	573	573	573	573					
N (NI)	7448	7448	7448	7448	7448	7448	7448	7448	7448	7448					

Note. Odds ratios with robust standard errors in parentheses. Missing data imputed using multiple imputation by chained equations. All models, except Model 1, include fixed effects for type of city at baseline, region at baseline, type of city at year of survey, and region at year of survey. <sup>+</sup>  $p < 0.10$ , \*  $p < 0.05$ , \*\*  $p < .01$ , \*\*\*  $p < .001$

Table 3

*Generalized Logistic Regressions Normal, CIND, and Dementia*

	Standard Regressors					Augmented Regressors				
	Simple		Panel A. CIND vs. Normal							
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Incarcerated prior to Cognition Survey	2.403*** (0.276)	1.744*** (0.215)	1.693*** (0.210)	1.348* (0.171)	0.993 (0.130)	0.995 (0.130)	0.976 (0.128)	0.972 (0.127)	0.917 (0.122)	0.886 (0.119)
Incarcerated in the year of the Cognition Survey	1.117 (0.370)	0.959 (0.327)	0.984 (0.336)	0.896 (0.300)	0.905 (0.317)	0.964 (0.338)	0.901 (0.315)	0.901 (0.317)	0.916 (0.321)	0.959 (0.336)
Age at Interview	1.041* (0.019)	1.040* (0.019)	1.040* (0.019)	1.037+ (0.020)	1.041* (0.020)	1.045* (0.020)	1.041* (0.020)	1.041* (0.020)	1.036+ (0.021)	1.039+ (0.021)
Non-Hispanic Black	3.364*** (0.301)	3.343*** (0.307)	2.655*** (0.252)	2.550*** (0.246)	2.486*** (0.241)	2.573*** (0.247)	2.627*** (0.253)	1.255* (0.128)	1.284* (0.133)	
Hispanic	2.975*** (0.306)	3.110*** (0.326)	2.672*** (0.285)	2.216*** (0.243)	2.153*** (0.238)	2.239*** (0.246)	2.251*** (0.247)	1.321* (0.152)	1.333* (0.155)	
Female	0.795** (0.059)	0.758*** (0.057)	0.736*** (0.057)	0.783** (0.061)	0.787** (0.062)	0.786** (0.061)	0.761*** (0.061)	0.702*** (0.056)	0.686*** (0.056)	
<i>BMI</i>										
Underweight: BMI < 18.5	1.359 (0.494)	1.168 (0.444)	0.949 (0.384)	0.915 (0.370)	0.950 (0.383)	0.938 (0.378)	1.033 (0.448)	1.019 (0.436)		
Overweight: 25 ≤ BMI < 30	0.669*** (0.063)	0.661*** (0.064)	0.664*** (0.065)	0.661*** (0.065)	0.668*** (0.065)	0.666*** (0.065)	0.655*** (0.066)	0.658*** (0.066)		
Obese: BMI ≥ 30	0.655*** (0.069)	0.624*** (0.066)	0.625*** (0.067)	0.623*** (0.067)	0.632*** (0.068)	0.626*** (0.067)	0.618*** (0.067)	0.625*** (0.068)		
<i>Reported diagnoses by Health 50+ survey</i>										
Heart problems	1.071 (0.137)	0.986 (0.128)	0.920 (0.122)	0.903 (0.122)	0.916 (0.122)	0.884 (0.119)	0.922 (0.127)	0.870 (0.124)		

	Simple			Standard Regressors			Augmented Regressors			
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
High blood pressure			1.329*** (0.110)	1.305*** (0.109)	1.284** (0.109)	1.286** (0.110)	1.282** (0.109)	1.269** (0.108)	1.291** (0.112)	1.274** (0.111)
Diabetes			1.289* (0.131)	1.232* (0.126)	1.246* (0.129)	1.231* (0.128)	1.246* (0.129)	1.228* (0.127)	1.228+ (0.130)	1.199+ (0.128)
Stroke			1.667** (0.304)	1.523* (0.285)	1.425+ (0.268)	1.420+ (0.268)	1.416+ (0.266)	1.385+ (0.261)	1.353 (0.261)	1.297 (0.252)
<i>Net Worth</i>										
1st Quartile				3.153*** (0.542)	1.956*** (0.356)	1.945*** (0.355)	1.929*** (0.352)	1.899*** (0.349)	1.441+ (0.265)	1.384+ (0.257)
2nd Quartile				2.097*** (0.329)	1.391* (0.230)	1.398* (0.231)	1.375+ (0.227)	1.374+ (0.227)	1.082 (0.179)	1.069 (0.178)
3rd Quartile				1.059 (0.181)	0.875 (0.155)	0.887 (0.158)	0.869 (0.154)	0.871 (0.155)	0.767 (0.139)	0.770 (0.140)
<i>Education</i>										
HGC < 12 years					6.059*** (0.928)	5.839*** (0.895)	5.899*** (0.921)	6.003*** (0.921)	1.491* (0.248)	1.422* (0.240)
HGC = 12 years					3.330*** (0.474)	3.242*** (0.462)	3.282*** (0.470)	3.336*** (0.475)	1.185 (0.177)	1.155 (0.173)
12 < HGC < 16 years					1.642** (0.262)	1.635** (0.261)	1.621** (0.260)	1.635** (0.260)	0.883 (0.146)	0.867 (0.145)
<b>Augmented variables</b>										
<i>ACEs</i>						1.432* (0.216)				1.327+ (0.203)
Fair or poor health										
Hospitalized ≥ 2 weeks						1.016 (0.137)				0.940 (0.128)

	Simple			Standard Regressors			Augmented Regressors			
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Confined to home or bed for ≥ 4 weeks						1.283 (0.234)				1.215 (0.228)
Lived with someone depressed, mentally ill, or suicidal						0.757 (0.147)				0.782 (0.160)
Lived with problem drinker or alcoholic						0.829 <sup>+</sup> (0.089)				0.902 (0.101)
Physically harmed by parent or adult more than once						0.846 (0.116)				0.836 (0.118)
Little to no love from parent						1.227 <sup>+</sup> (0.131)				1.122 (0.124)
Smoked at least 100 cigarettes in lifetime							1.098 (0.091)			1.084 (0.091)
Emotional disorder or depression								1.230 <sup>*</sup> (0.115)		1.289 <sup>*</sup> (0.128)
1980 Armed Forces Qualification Test Score									0.959 <sup>***</sup> (0.003)	0.960 <sup>***</sup> (0.003)

	Standard Regressors					Augmented Regressors				
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Panel B. Dementia vs. CIND and Normal										
Incarcerated prior to Cognition Survey	2.683*** (0.662)	1.843* (0.490)	1.762* (0.470)	1.323 (0.360)	0.955 (0.270)	0.957 (0.276)	0.939 (0.269)	0.933 (0.267)	0.915 (0.258)	0.881 (0.258)
Incarcerated in the year of the Cognition Survey	0.966 (0.720)	0.831 (0.638)	0.791 (0.605)	0.674 (0.517)	0.733 (0.564)	0.822 (0.641)	0.733 (0.565)	0.733 (0.565)	0.755 (0.578)	0.835 (0.645)
Age at Interview		1.137*** (0.042)	1.135*** (0.042)	1.136*** (0.044)	1.146*** (0.045)	1.150*** (0.045)	1.146*** (0.045)	1.146*** (0.045)	1.145*** (0.045)	1.148*** (0.046)
Non-Hispanic Black		5.345*** (1.357)	5.459*** (1.391)	4.050*** (1.040)	3.865*** (0.999)	3.832*** (1.027)	3.910*** (1.023)	3.985*** (1.068)	2.002* (0.550)	2.103* (0.610)
Hispanic		5.098*** (1.500)	5.537*** (1.651)	4.466*** (1.327)	3.634*** (1.097)	3.575*** (1.104)	3.684*** (1.115)	3.693*** (1.124)	2.203* (0.675)	2.268*** (0.716)
Female		0.812 (0.145)	0.772 (0.140)	0.728+ (0.134)	0.787 (0.143)	0.793 (0.146)	0.792 (0.144)	0.767 (0.141)	0.728+ (0.132)	0.716+ (0.133)
<i>BMI</i>										
Underweight: BMI < 18.5		1.760 (1.379)	1.557 (1.232)	1.241 (1.005)	1.158 (0.946)	1.242 (1.008)	1.228 (1.005)	1.361 (1.100)	1.299 (1.067)	
Overweight: 25 ≤ BMI < 30		0.548** (0.121)	0.557** (0.125)	0.575* (0.131)	0.565* (0.129)	0.580* (0.131)	0.579* (0.132)	0.575* (0.131)	0.573* (0.131)	
Obese: BMI ≥ 30		0.473** (0.114)	0.464** (0.114)	0.478** (0.117)	0.468** (0.116)	0.484** (0.120)	0.480** (0.119)	0.481** (0.119)	0.478** (0.121)	
<i>Reported diagnoses by Health 50+ survey</i>										
Heart problems		1.161 (0.339)	1.045 (0.306)	1.019 (0.300)	1.001 (0.302)	1.015 (0.299)	0.980 (0.295)	1.011 (0.299)	0.958 (0.296)	
High blood pressure		1.417+ (0.258)	1.369+ (0.255)	1.327 (0.245)	1.325 (0.245)	1.327 (0.245)	1.311 (0.243)	1.332 (0.249)	1.313 (0.245)	
Diabetes		1.349	1.254	1.205	1.202	1.204	1.185	1.181	1.161	

	Simple			Standard Regressors			Augmented Regressors			
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Stroke			1.851 (0.698)	1.747 (0.665)	1.631 (0.617)	1.575 (0.622)	1.619 (0.619)	1.585 (0.603)	1.539 (0.585)	1.431 (0.572)
<i>Net Worth</i>										
1st Quartile				4.517** (2.196)	2.541+ (1.304)	2.484+ (1.280)	2.498+ (1.289)	2.466+ (1.272)	1.872 (0.969)	1.762 (0.918)
2nd Quartile				2.624* (1.236)	1.622 (0.800)	1.625 (0.800)	1.601 (0.793)	1.605 (0.792)	1.275 (0.637)	1.254 (0.627)
3rd Quartile				0.873 (0.549)	0.696 (0.449)	0.705 (0.452)	0.691 (0.446)	0.692 (0.447)	0.621 (0.407)	0.622 (0.405)
<i>Education</i>										
HGC < 12 years					7.810*** (3.812)	7.622*** (3.762)	7.596*** (3.695)	7.724*** (3.763)	2.039 (1.049)	1.967 (1.014)
HGC = 12 years					4.113** (1.986)	4.010** (1.948)	4.057** (1.955)	4.119** (1.986)	1.479 (0.751)	1.446 (0.735)
12 < HGC < 16 years					1.437 (0.794)	1.442 (0.806)	1.416 (0.779)	1.432 (0.789)	0.791 (0.441)	0.783 (0.438)
<b>Augmented variables</b>										
<i>ACEs</i>										
Fair or poor health					1.513 (0.484)				1.442 (0.466)	
Hospitalized ≥ 2 weeks					1.151 (0.387)				1.057 (0.357)	
Confined to home or bed for ≥ 4 weeks					1.103 (0.505)				1.043 (0.476)	
Lived with someone depressed, mentally ill, or suicidal					0.990 (0.451)				1.024 (0.473)	



	Simple					Standard Regressors					Augmented Regressors				
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	
Lived with problem drinker or alcoholic						0.828 (0.237)									
Physically harmed by parent or adult more than once						0.700 (0.245)								0.704 (0.247)	
Little to no love from parent						1.219 (0.285)								1.127 (0.266)	
Smoked at least 100 cigarettes in lifetime							1.109 (0.221)							1.097 (0.225)	
Emotional disorder or depression								1.222 (0.274)						1.264 (0.299)	
1980 Armed Forces Qualification Test Score									0.960*** (0.007)					0.961*** (0.007)	
N	8021	8021	8021	8021	8021	8021	8021	8021	8021	8021	8021	8021	8021	8021	
N (FI)	573	573	573	573	573	573	573	573	573	573	573	573	573	573	
N (NI)	7448	7448	7448	7448	7448	7448	7448	7448	7448	7448	7448	7448	7448	7448	

Note. Reported odds ratios with robust standard errors in parentheses. Missing data imputed using multiple imputation by chained equations. All models except the simple regression include fixed effects for type of city at baseline, region at baseline, type of city at year of survey, and region at year of survey.

+  $p < 0.10$ , \*  $p < 0.05$ , \*\*  $p < .01$ , \*\*\*  $p < .001$

Table 4

*Overall Summary Statistics*

<b>Variables</b>	<b>Mean</b>	<b>Range</b>	
		<b>Min</b>	<b>Max</b>
<i>Incarceration</i>			
Incarcerated Prior to or During 48+ Cognition Module	.0714 (.003)	0	1
Incarcerated Prior to 48+ Cognition Module	.071 (.003)	0	1
Incarcerated in the year of the Cognition Survey	0.007 (0.001)	0	1
<i>Demographics</i>			
Age at Interview	48.328 (0.021)	46	60
Non-Hispanic Black	0.312 (0.007)	0	1
Hispanic	0.194 (0.005)	0	1
Female	0.509 (0.008)	0	1
<i>ACEs</i>			
Fair or poor health	0.051 (0.003)	0	1
Hospitalized $\geq$ 2 weeks	0.086 (0.003)	0	1
Confined to home or bed for $\geq$ 4 weeks	0.048 (0.002)	0	1
Lived with someone depressed, mentally ill, or suicidal	0.071 (0.003)	0	1
Lived with problem drinker or alcoholic	0.184 (0.004)	0	1
Physically harmed by parent or adult more	0.111	0	1

<b>Variables</b>	<b>Mean</b>	<b>Range</b>	
		<b>Min</b>	<b>Max</b>
than once	(0.004)		
Little to no love from parent	0.180 (0.004)	0	1
<i>BMI</i>			
Normal weight: $18.5 \leq \text{BMI} < 25$	0.245 (0.005)	0	1
Underweight: $\text{BMI} < 18.5$	0.008 (0.001)	0	1
Overweight: $25 \leq \text{BMI} < 30$	0.382 (0.005)	0	1
Obese: $\text{BMI} \geq 30$	0.365 (0.005)	0	1
Heart problems	0.082 (0.003)	0	1
<i>Reported Diagnosis by Health 50+ Survey</i>			
High blood pressure	0.383 (0.006)	0	1
Diabetes	0.146 (0.004)	0	1
Stroke	0.031 (0.002)	0	1
Emotional disorder or depression	0.197 (0.005)	0	1
Smoked 100 cigarettes during lifetime	0.581 (0.006)	0	1
<i>Education</i>			
HGC < 12 years	0.159 (0.004)	0	1
HGC = 12 years	0.376 (0.006)	0	1
12 < HGC < 16 years	0.241	0	1

Variables	Mean	Range	
		Min	Max
	(0.005)		
HGC $\geq$ 16 years	0.224 (0.005)	0	1
1980 Armed Forces Qualification Test Score	40.773 (0.364)	0	100
<i>Net Worth</i>			
1st Quartile	0.245 (0.005)	0	1
2nd Quartile	0.257 (0.005)	0	1
3rd Quartile	0.254 (0.005)	0	1
4th Quartile	0.245 (0.006)	0	1
<i>Cognition outcomes</i>			
TICS-m Score	16.393 (0.053)	.0756	27
Impaired	0.135 (0.004)	0	1
<i>No Cognitive Impairment, CIND or Dementia</i>			
Normal	0.865 (0.004)	0	1
CIND	0.115 (0.004)	0	1
Dementia	0.020 (0.002)	0	1
N	8021		
N (FI)	573		
N (NI)	7448		

*Note.* The range is the range over all imputed data sets.