- Table S1. Identification of High Versus Low Occupations Using 2010 Census BureauIndustry Classification Source Codes Reported in the NHANES.
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This supplementary material has been provided by the authors to give readers additional information about their work.

	2010 Census Bureau Industry	
Industry Group Title	Classification Source Codes	
High cognitive demand occupations		
Utilities	0570-0690	
Information	6470-6780	
Finance, Insurance	6870-6990	
Real Estate, Rental, Leasing	7070-7190	
Proffessional, Technical Services	7270-7490	
Management, Business, Cleaning/Waste Serv	7570-7790	
Education Services	7860-7890	
Health Care, Social Assistance	7970-8470	
Arts, Entertainment, Recreation	8560-8590	
Public Administration	9370-9590	
Low cognitive demand occupations		
Agriculture, Forestry, Fishing	0170-0290	
Mining	0370-0490	
Construction	0770	
Manufacturing: Durable Goods	2470-3990	
Manufacturing: Non-Durable Goods	1070-2390	
Wholesale Trade	4070-4590	
Retail Trade	4670-5790	
Transportation, Warehousing	6070-6390	
Accomodation, Food Services	8660-8690	
Private Households	9290	
Armed Forces	9670-9870	

Table S1. Identification of High Versus Low Occupations Using 2010 Census Bureau Industry Classification Source Codes Reported in the NHANES.

Classification of cognitive demand based on: Azeez, Gambatese, and Liu's work in "Comparison of Job Cogntive and Physical Demands in Different Industries for Implications on Safety Outcomes". Their work utilizes the Occupational Information Network (O\*NET) and data from the Bureau of Labor Statistics to assess cognitive demand across multiple categories including deductive reasoning and perceptual speed for certain occupations. Their assessments provided analagous points of reference to categorize occupations listed in NHANES into high and low cognitive demand general groups.

	Cognitive Resilience*			
Characteristic	Overall	High	Not High	p-value
Study population, No. in millions	42.8	11.7	31.1	
Sociodemographic characteristics				
Mean age in years (SE)	68.9 (0.2)	68.2 (0.3)	69.2 (0.3)	0.01
Age category, No. in millions (%)				<0.01
60-69	24.8 (57.8)	7.3 (62.3)	17.5 (56.1)	
70-79	12.4 (29.0)	3.4 (28.9)	9.0 (29.0)	
≥ 80	5.7 (13.2)	1.0 (8.8)	4.6 (14.9)	
Sex, No. in millions (%)				0.20
Male	21.2 (49.4)	5.3 (45.8)	15.8 (50.8)	
Female	21.6 (50.6)	6.3 (54.2)	15.3 (49.2)	
Race/Ethnicity, No. in millions (%)			, , , , , , , , , , , , , , , , , , ,	< 0.000
Non-Hispanic White	34.8 (81.2)	11.0 (94.3)	23.8 (76.3)	
Non-Hispanic Black	3.5 (8.1)	0.2 (1.8)	3.2 (10.4)	
Hispanic	2.7 (6.4)	0.2 (1.8)	2.5 (8.1)	
Other/multiple	1.9 (4.3)	0.2 (2.1)	1.6 (5.2)	
Marital status, No. in millions (%)				0.23
Married or living with partner	28.3 (66.0)	8.1 (69.2)	20.2 (64.9)	
Not living with a partner	14.5 (34.0)	3.6 (30.8)	10.9 (35.1)	
Education, No. in millions (%)				< 0.000
High school or less	14.9 (34.8)	1.3 (11.2)	13.6 (43.7)	
At least some college	27.9 (65.2)	10.4 (88.8)	17.5 (56.3)	
Occupation <sup>†</sup> , No. in millions (%)				< 0.000
Low Cognitive Demand	14.6 (34.2)	3.2 (27.5)	11.4 (36.7)	
High Cognitive Demand	17.9 (41.8)	4.3 (37.0)	13.6 (43.6)	
Unknown	10.3 (24.0)	4.1 (35.5)	6.1 (19.7)	
Income Level Category, No. in millions (%)		(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		< 0.000
Very Low (<100% FPL)	3.6 (8.4)	0.3 (2.5)	3.3 (10.7)	
Low (100% to 199% FPL)	9.5 (22.3)	1.7 (14.8)	7.8 (25.1)	
Middle (200% to 399% FPL)	12.6 (29.4)	3.1 (26.7)	9.5 (30.4)	
High (≥400% FPL)	17.1 (39.9)	6.5 (56.0)	10.5 (33.8)	
Health Status & Behaviors	(0010)			
Self-reported health, No. in millions (%)				< 0.000
Good, Very Good, or Excellent	34.5 (80.5)	10.9 (93.7)	23.5 (75.6)	0.000
Poor or Fair	8.3 (19.5)	0.7 (6.3)	7.6 (24.4)	
Self-reported quality of diet, No. in millions (%)	0.0 (10.0)	0.1 (0.0)	1.0 (2)	<0.001
Good, Very Good, or Excellent	35.9 (83.8)	10.5 (90.2)	25.3 (81.4)	0.001
Poor or Fair	6.9 (16.2)	1.1 (9.8)	5.8 (18.6)	
Obese, No. in millions (%)	16.3 (38.2)	4.0 (34.6)	12.3 (39.5)	0.19
Hypertension, No. in millions (%)	21.9 (51.1)	4.0 (34.0) 5.4 (46.1)	16.5 (53.0)	0.13
Diabetes, No. in millions (%)	8.3 (19.3)	1.3 (11.4)	6.9 (22.2)	<0.001
Smoked $\ge$ 100 cigarettes, No. in millions (%)	24.2 (56.5)	5.4 (46.5)	18.8 (60.3)	<0.01
Ever been a binge drinker, No. in millions (%)	7.0 (16.3)	1.1 (9.8)	5.8 (18.8)	<0.001

## Table S2. Characteristics of Study Participants According to High versus Not High Cognitive Resilience.

Abbreviations: SE, standard error; FPL, federal poverty level

All analyses weighted to represent the U.S. population

\* High defined as ≥1 standard deviation above the mean for global cognitive score versus Not High (<1 standard deviation)

† Based on industry and occupation group codes (deductive reasoning, inductive reasoning, information ordering, perceptual speed, etc).

	Coefficient (95% CI)		
Characteristic	Unadjusted	Adjusted§	
Income Level Category*			
Very Low	0.00 (reference)	0.00 (reference)	
Low	0.36 (0.25, 0.47)	0.16 (0.06, 0.25)	
Middle	0.61 (0.51, 0.72)	0.27 (0.17, 0.37)	
High	0.84 (0.71, 0.97)	0.33 (0.22, 0.44)	
Sociodemographic Characteristics			
Race/ethnicity			
Non-Hispanic White	0.00 (reference)	0.00 (reference)	
Non-Hispanic Black	-0.67 (-0.8, -0.53)	-0.4 (-0.48, -0.32)	
Hispanic	-0.65 (-0.79, -0.51)	-0.33 (-0.45, -0.22)	
Other/multiple	-0.27 (-0.38, -0.15)	-0.2 (-0.29, -0.12)	
Marital status			
Married or living with partner	0.00 (reference)	0.00 (reference)	
Not living with a partner	-0.19 (-0.28, -0.09)	-0.02 (-0.1, 0.07)	
Educational attainment			
High school or less	0.00 (reference)	0.00 (reference)	
At least some college	0.63 (0.54, 0.71)	0.4 (0.33, 0.48)	
Occupation†			
Low Cognitive Demand	0.00 (reference)	0.00 (reference)	
High Cognitive Demand	0.03 (-0.06, 0.12)	0.07 (-0.01, 0.15)	
Unknown	0.3 (0.21, 0.4)	0.17 (0.1, 0.24)	
Health Status & Behaviors			
Self-reported health			
Good, Very Good, or Excellent	0.00 (reference)	0.00 (reference)	
Poor or Fair	-0.56 (-0.63, -0.48)	-0.28 (-0.35, -0.2)	
Self-reported quality of diet			
Good, Very Good, or Excellent	0.00 (reference)	0.00 (reference)	
Poor or Fair	-0.25 (-0.37, -0.14)	-0.02 (-0.12, 0.08)	
Obese	-0.05 (-0.13, 0.04)	0.05 (-0.04, 0.13)	
Hypertension	-0.13 (-0.21, -0.05)	-0.08 (-0.14, -0.02)	
Diabetes	-0.3 (-0.4, -0.19)	-0.1 (-0.17, -0.03)	
Smoked ≥ 100 cigarettes	-0.14 (-0.25, -0.03)	-0.03 (-0.13, 0.07)	
Ever been a binge drinker	-0.2 (-0.29, -0.12)	-0.03 (-0.11, 0.06)	

 Table S3. Association between Participant Characteristics and Global Cognitive Function.

Abbreviations: CI, confidence interval; FPL, federal poverty level

All analyses weighted to represent the U.S. population

\*Very Low (<100% FPL), Low (100% to 199% FPL), Middle (200% to 399% FPL), High (≥400% FPL)

† Based on industry and occupation group codes (deductive reasoning, inductive

§ Adjusted for all other factors in table