

Online Appendix

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This appendix provides details for the construction of two indices described in the paper: socioeconomic status, and residential stability, and how specific variables cross-reference with 2005-2009 American Community Survey Census Block Group variables. Data are for Philadelphia (PA).

Table 1

Socioeconomic Status Index: Name of ACS variables

Variable	ACS Variable Name	Study Variable Name
households with income less than \$20K	B19001002	nhhlt10k
	B19001003	nhh10k
	B19001004	nhh15k
	B19001001	nhh_inc
households with income greater than \$50K	B19001011	nhh50k
	B19001012	nhh60k
	B19001013	nhh75k
	B19001014	nhh100k
	B19001015	nhh125k
	B19001016	nhh150k
	B19001017	nhh200kp
B19001001	nhh_inc (denominator)	
median house value	B25077001	medhval
median household income	B19013001	medhinc

Table 2

Socioeconomic Status Index: Transformation of ACS Variables to Create Variables for Index

Variable	ACS Variables	Study Variable Name
Percent households with income less than \$20,000 in 2009 dollars	$100 * (B19001002 + 003 + 004) / B19001001$	phhlt20k
Percent households with income greater than \$50,000 in 2009 dollars	$100 * (B19001011 + 012 + 013 + 014 + 015 + 016 + 017) / B19001001$	phhgt50k
natural log 1+Median house value	$\ln(1 + B25077001)$	lnmdval
natural log 1+median household income	$\ln(1 + B19013001)$	lnhhinc

Table 3

Descriptive statistics: SES variables and index

Variable	Variable name	N	Mean	Median	Standard Deviation	Minimum	Maximum	American Community Survey Table ID Cross reference for constituent variables	
								Value or numerator	Denominator (if applicable)
Percent households with income less than \$20,000 in 2009 dollars (reversed when factored into index)	phhlt20k	1766	33.17	30.39	21.67	0.00	100.00	(B19001002 + 003 + 004)	B19001001
Percent households with income greater than \$50,000 in 2009 dollars	phhgt50k	1766	34.51	31.90	22.17	0.00	100.00	(B19001011 + 012 + 013 + 014 + 015 + 016 + 017)	B19001001
natural log 1 + median house value	lnmdval	1647		11.56	.73	8.97	13.82	B25077001	na
natural log 1 + median household income in 2009 dollars	lnhhinc	1749		10.42	.62	7.82	12.43	B19013001	na
Socioeconomic status index (higher score = higher status)	sesindx	1771	-0.06	-0.06	0.88	-2.91	2.60	na	na
<p>Note. Units = Philadelphia census block groups. Results weighted by the number of households providing income for household income calculations. Averages not shown for variables based on median values. Index score calculated if scores on at least three items out of four available. Cross reference identifies starting variables. na = not applicable. All variables z scored and then averaged to create index scores. Reversed variables multiplied by -1. Data from 2005-2009 American Community Survey (ACS) for Philadelphia.</p>									

Table 4

Residential Stability Index: Name of ACS Variables

Variable	ACS Variable Name	Study Variable Name
Percent Owner Occupied Housing	B25003002	noohu_2
	B25003001	nocc_hu2 (denominator)
percent occupied housing units where current residents moved in before 2005	B25038003	omv2005
	B25038010	rmv2005
	B25038001	tfammvin (denominator)
percent occupied housing units where current residents moved in before 2000	B25038003	omv2005
	B25038004	omv2000
	B25038010	rmv2005
	B25038011	rmv2000
	B25038001	tfammvin (denominator)

Table 5

Residential Stability Index: Transformation of ACS Variables to Create Variables for Index

Variable	ACS Variables	Variable Name
Percent owner occupied housing units	$100 * (B25003002) / B25003001$	pownochh
Percent occupied housing units where current residents moved in before 2005	$100 - [100 * (B25038003 + 010) / B25038001]$	plong
Percent occupied housing units where current residents moved in before 2000	$100 - [100 * (B25038003 + 004 + 010 + 011) / B25038001]$	plonger

Table 6

Descriptive statistics: Residential Stability Variables and Index

Variable	Variable name	N	Mean	Median	Standard Deviation	Minimum	Maximum	American Community Survey Table ID Cross reference for constituent variables	
								Numerator	Denominator
Percent owner occupied housing units	pownochh	1766	57.30	58.92	25.18	0.00	100.00	B25003002/	B25003001
Percent occupied housing units where current residents were there before 2005	plong	1766	73.92	75.69	18.12	0.00	100.00	(B25038003 + B25038010)	B25038001
Percent occupied housing units where current residents were there before 2000	plonger	1766	49.00	49.01	20.90	0.00	100.00	(B25038003 + B25038004 + B25038010 + B25038011)	B25038001
Stability index (higher = more stability)	stabindx	1771	-0.02	0.03	0.85	-2.92	1.84		

Note. Units = Philadelphia census block groups. Results weighted by the number of housing units where tenure status was determined (B25038001). Higher score = higher stability. For pownochh, ratio shown multiplied by 100 to create percentages. For plong and plonger, ratio shown in table was multiplied by 100 to create percentages, then subtracted from 100. All variables z scored and then averaged to create index scores.

