Appendix D-IV-1. Standardized spline logit models predicting childhood diagnosis of asthma

	Ever in DHA		Currently in DHA		Majority in DHA		Mostly in DHA	
	Coeff.	SE	Coeff.	SE	Coeff.	SE	Coeff.	SE
Predictor measures (all continuous variables reflect standardized values measured at time of diagnosis unless otherwise noted)								
Child characteristics								
Gender and ethnicity of child (omitted=African-American male)								
Latina female	-1.42 *	(0.63)	-5.26	(3.07)	-2.92 **	(0.92)	-3.56 **	(1.30)
Latino male	-1.85 **	(0.58)	-3.84	(2.51)	-3.21 ***	(0.87)	-3.17 **	(1.16)
African-American female	-1.54 **	(0.55)	-5.85 **	(1.96)	-4.20 ***	(1.27)	-3.66 ***	(1.05)
First born in family (omitted=no)	-0.67	(0.45)	0.57	(1.51)	0.23	(0.77)	0.74	(0.51)
Child was low birthweight or extremely premature (omitted=no)	1.27 *	(0.57)	5.12	(3.51)	3.38 *	(1.38)	5.96 ***	(1.71)
Caregiver and household characteristics								
Number of siblings in household	-0.34	(0.32)	-1.98	(1.40)	0.68	(0.61)	0.91 *	(0.46)
Caregiver reported depressive symptomatology (omitted=no)	-0.09	(0.48)	0.55	(1.30)	0.19	(0.86)	-0.96	(1.05)
Caregiver age	-2.48 ***	(0.48)	-3.99	(2.51)	-4.24 *	(1.68)	-6.43 **	(1.98)
Caregiver immigrant status (omitted=no)	0.05	(1.10)	-2.81	(2.05)	0.90	(2.34)	-0.15	(1.05)
Caregiver history of substance abuse (omitted=no)	-0.61	(0.74)	-9.10	(6.76)	-3.81 *	(1.51)	-5.12 **	(1.86)
Caregiver disability status (omitted=not disabled)	1.98 **	(0.65)	5.65	(4.37)	3.36	(2.27)	9.44 *	(3.70)
Caregiver educational attainment (omitted=no degree)								
High school diploma	1.07 *	(0.47)	2.06	(2.20)	2.05 **	(0.79)	5.08	(3.16)
Post–high school technical certificate or college degree	-0.77	(0.69)	1.08	(1.74)	-2.99	(1.58)	-4.62	(3.56)
Caregiver married/partnered (omitted=not married/partnered)	2.31 **	(0.82)	10.30 *	(4.01)	5.18	(3.10)	9.11 *	(4.16)
Natural log of caregiver earnings (in dollars)	-0.31	(0.45)	-0.40	(1.48)	-0.24	(0.89)	0.34	(0.73)
Caregiver was available to monitor/supervise children full/part time (omitted=not available)	-0.73	(0.93)	0.75	(2.61)	-0.89	(1.86)	0.16	(2.60)
Household stressor scale	0.08	(0.25)	0.36	(0.73)	-0.01	(0.46)	-0.08	(0.52)
Household had health insurance (omitted=no)	-0.53	(0.45)	4.60	(3.63)	0.88	(0.84)	0.24	(2.13)
Total number of moves from birth to diagnosis	-0.44	(0.43)	-2.93 *	(1.32)	-1.55 **	(0.60)	-4.10	(2.27)
Resided in conventional public housing (omitted=no)	-0.14	(0.78)	—[a]	—[a]	4.00	(2.28)	1.57	(1.37)
Neighborhood characteristics								
Living in neighborhood with negative peers (omitted=no)	0.63	(0.56)	5.16	(3.41)	2.20	(1.18)	4.81 *	(2.29)
Social capital index	1.25 *	(0.57)	4.02 *	(1.73)	2.82 **	(0.87)	3.23 *	(1.62)
Spline: social capital index	-2.12 *	(0.94)	-8.52	(4.48)	-4.49 **	(1.49)	-4.56 *	(2.26)
Social problems index	-0.20	(0.64)	-0.55	(2.41)	0.39	(1.36)	-3.01	(1.83)
Spline: social problems index	0.63	(0.91)	3.11	(3.07)	1.93	(1.78)	5.45	(3.07)
Social vulnerability score	-0.06	(1.27)	16.60 **	(5.84)	-3.05	(2.43)	-2.26	(3.24)
Spline: social vulnerability score	-1.54	(1.72)	-77.20 **	(25.50)	2.17	(3.44)	-4.71	(4.23)

Percentage African-American residents	0.15	(2.68)	60.90 *	(28.60)	2.06	(3.51)	10.30	(6.46)
Spline: percentage African-American residents	-1.16	(3.05)	-75.30 *	(34.50)	-6.33	(3.27)	-11.20	(6.69)
Percentage Latino residents	-1.80	(1.29)	-2.59	(3.10)	-7.60 **	(2.40)	-0.55	(2.42)
Spline: percentage Latino residents	1.63	(1.72)	29.90	(15.60)	9.20 **	(2.99)	2.87	(4.16)
Occupational prestige score	0.16	(0.91)	-15.70 **	(6.00)	0.56	(1.48)	2.41	(1.42)
Spline: occupational prestige score	-3.73 *	(1.81)	-19.20	(12.10)	-10.70 ***	(2.69)	-11.00 **	(3.85)
Percentage foreign-born residents	1.13	(1.19)	-6.13	(5.21)	3.15	(2.00)	-0.06	(1.64)
Spline: percentage foreign-born residents	-2.42	(1.28)	-24.80 *	(12.40)	-7.10 **	(2.67)	-3.94	(3.63)
Percentage of residents who moved in preceding 12 months	1.34	(0.75)	-2.00	(4.11)	6.10	(3.26)	4.51	(2.37)
Spline: percentage of residents who moved in preceding 12 months	-2.30	(1.21)	3.21	(5.09)	-8.20	(4.61)	-5.42 *	(2.74)
Living in neighborhood with hospitals and clinics (omitted=no)	1.05	(0.75)	7.16	(6.99)	3.47	(2.14)	2.06	(2.42)
Resource factor score	-0.65	(0.79)	-6.01	(6.91)	-2.19	(1.93)	-0.31	(1.55)
Spline: resource factor score	-0.29	(1.15)	4.97	(8.47)	0.74	(2.66)	-3.12	(3.05)
Age of housing stock								
Percentage of housing built before 1940	2.10	(1.27)	4.31	(3.94)	5.35	(3.03)	-0.50	(1.61)
Spline: percentage of housing built before 1940	-2.74	(1.80)	-5.90	(6.98)	-8.30	(4.27)	2.45	(2.73)
Percentage of housing built between 1940–69	0.94	(1.29)	8.18	(4.82)	2.93	(1.72)	11.80	(6.30)
Spline: percentage of housing built between 1940–69	-1.62	(1.61)	-22.10	(12.30)	-4.08	(3.08)	-15.30 *	(7.35)
Violent crime rate per 1,000	-4.04 **	(1.46)	-51.40 *	(22.60)	-10.70 **	(4.05)	-11.80 **	(4.54)
Spline: violent crime rate per 1,000	5.64 ***	(1.58)	68.10 *	(28.00)	11.60 *	(4.71)	15.00 *	(5.89)
Property crime rate per 1,000	3.40 **	(1.20)	45.50 *	(21.00)	12.00 ***	(2.87)	18.20 **	(5.85)
Spline: property crime rate per 1,000	-1.49	(1.32)	-17.60	(15.20)	-8.77 **	(2.71)	-14.40 ***	(4.20)
Child abuse and neglect rate per 1,000	-2.47 *	(1.13)	-20.70	(12.00)	-7.77 *	(3.25)	-3.84	(2.64)
Spline: child abuse and neglect rate per 1,000	1.38	(1.38)	6.24	(6.10)	7.00	(3.61)	3.31	(3.39)
Neurological hazards index (rescaled by 100)	0.85	(1.26)	1.93	(2.45)	2.66	(2.08)	-4.72	(4.26)
Spline: neurological hazards index (rescaled by 100)	-1.38	(1.75)	-18.60	(9.83)	-2.64	(4.12)	6.35	(6.42)
Respiratory hazards index	-0.81	(0.45)	-4.95	(2.65)	-2.16 **	(0.81)	-4.23 *	(2.14)
Spline: respiratory hazards index	3.01 ***	(0.91)	24.00	(12.70)	5.58 *	(2.49)	14.00 *	(6.41)
Constant	-0.28	(2.34)	31.90	(16.70)	-3.96	(4.07)	-9.32	(10.90)
Number of observations	814		549		471		548	
Number of clusters	448		317		275		316	
Log likelihood	-121.89		-32.19		-55.48		-40.60	
Chi-square	180.70 ***		220.40 ***		122.50 ***		123.80 ***	
Pseudo-R^2	0.49		0.85		0.68		0.74	

Notes:

Raw coefficients (that is, not exponentiated) are presented; robust standard errors in parentheses.

[a]This variable was excluded from the model for the "currently in DHA" sample (all in sample were in conventional public housing).

* $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$

Appendix D-IV-2. Standardized spline Cox models predicting hazard of childhood diagnosis of asthma

	Ever in DHA		Currently in DHA		Majority in DHA		Mostly in DHA	
	Coeff.	SE	Coeff.	SE	Coeff.	SE	Coeff.	SE
Predictor measures (all continuous variables reflect standardized values measured at time of diagnosis unless otherwise noted)								
Child characteristics								
Gender and ethnicity of child (omitted=African-American male)								
Latina female	-1.51 **	(0.52)	-2.41 ***	(0.57)	-1.85 *	(0.72)	-0.70	(0.55)
Latino male	-1.53 **	(0.48)	-2.04 **	(0.69)	-2.26 **	(0.78)	-1.99 *	(0.83)
African-American female	-1.45 **	(0.44)	-1.35 **	(0.42)	-2.24 ***	(0.62)	-0.86	(0.51)
First born in family (omitted=no)	-0.94 **	(0.30)	-0.56	(0.31)	-0.01	(0.43)	-0.62	(0.46)
Child was low birthweight or extremely premature (omitted=no)	1.18 ***	(0.35)	1.10 *	(0.45)	1.48 *	(0.60)	1.57 *	(0.61)
Caregiver and household characteristics								
Number of siblings in household	-0.62 **	(0.23)	-0.56 *	(0.26)	-0.31	(0.32)	-0.51	(0.38)
Caregiver reported depressive symptomatology (omitted=no)	-0.03	(0.37)	0.68	(0.43)	0.19	(0.44)	-0.07	(0.61)
Caregiver age	-2.88 ***	(0.43)	-2.06 ***	(0.29)	-2.66 ***	(0.51)	-3.39 ***	(0.64)
Caregiver immigrant status (omitted=no)	0.27	(0.80)	0.65	(1.05)	0.38	(0.99)	0.03	(1.03)
Caregiver history of substance abuse (omitted=no)	-0.33	(0.44)	-1.84 **	(0.56)	-1.08	(0.65)	-1.15	(0.58)
Caregiver disability status (omitted=not disabled)	1.97 ***	(0.42)	2.09 ***	(0.44)	1.85 ***	(0.45)	2.92 ***	(0.68)
Caregiver educational attainment (omitted=no degree)								
High school diploma	1.01 *	(0.44)	0.50	(0.44)	0.70	(0.66)	1.98 **	(0.74)
Post–high school technical certificate or college degree	-0.19	(0.56)	0.15	(0.51)	-1.05	(0.88)	-0.43	(1.19)
Caregiver married/partnered (omitted=not married/partnered)	1.21 *	(0.59)	3.28 ***	(0.69)	2.74 *	(1.29)	3.10 *	(1.42)
Natural log of caregiver earnings (in dollars)	-0.25	(0.45)	0.47	(0.45)	0.11	(0.90)	-0.21	(1.15)
Caregiver was available to monitor/supervise children full/part time (omitted=not available)	-0.64	(0.96)	0.44	(0.88)	-0.33	(1.84)	-0.64	(2.10)
Household stressor scale	-0.13	(0.20)	-0.28 *	(0.14)	-0.17	(0.23)	-0.05	(0.43)
Household had health insurance (omitted=no)	-0.50	(0.35)	0.06	(0.35)	0.20	(0.56)	-0.64	(0.85)
Total number of moves from birth to diagnosis	-1.09 **	(0.38)	-1.12 **	(0.38)	-1.61 ***	(0.40)	-2.76 *	(1.19)
Resided in conventional public housing (omitted=no)	0.03	(0.49)	—[a]	—[a]	1.39	(0.91)	0.01	(0.91)
Neighborhood characteristics								
Living in neighborhood with negative peers (omitted=no)	0.50	(0.47)	0.48	(0.46)	1.96	(1.12)	1.12	(1.32)
Social capital index	0.81 *	(0.35)	0.68	(0.44)	1.40 *	(0.69)	2.12 *	(1.00)
Spline: social capital index	-1.24	(0.69)	-0.97	(0.78)	-1.52	(0.95)	-2.48	(1.67)
Social problems index	0.01	(0.49)	0.44	(0.59)	0.19	(0.83)	-0.06	(1.32)
Spline: social problems index	0.21	(0.64)	-0.28	(0.72)	0.68	(1.10)	1.08	(1.59)
Social vulnerability score	1.42	(1.21)	4.36 *	(2.21)	2.68	(1.84)	2.42	(1.30)
Spline: social vulnerability score	-1.33	(1.20)	-6.48 **	(2.29)	-2.20	(2.06)	-6.42 ***	(1.81)

	(1)		(2)		(3)		(4)	
Percentage African-American residents	-0.97	(1.45)	2.04	(1.45)	-2.42	(2.66)	4.79	(3.27)
Spline: percentage African-American residents	0.01	(1.57)	-4.05 **	(1.45)	0.37	(2.50)	-6.19	(3.61)
Percentage Latino residents	-1.84 *	(0.72)	-2.62 **	(0.91)	-3.80 ***	(1.14)	-1.02	(1.38)
Spline: percentage Latino residents	0.97	(1.04)	2.37	(1.47)	3.50 *	(1.77)	1.64	(1.52)
Occupational prestige score	-0.13	(0.82)	-2.26 *	(1.06)	-0.01	(1.16)	-0.98	(0.80)
Spline: occupational prestige score	-2.95 *	(1.34)	-3.26	(2.26)	-4.13	(2.72)	-2.34	(1.58)
Percentage foreign-born residents	0.68	(0.83)	-0.47	(0.95)	1.89	(1.36)	-0.35	(1.27)
Spline: percentage foreign-born residents	-1.86	(0.97)	-0.61	(1.37)	-3.94 *	(1.67)	-1.16	(1.29)
Percentage of residents who moved in preceding 12 months	0.23	(0.49)	-2.51 *	(1.12)	1.93	(1.10)	2.12	(1.11)
Spline: percentage of residents who moved in preceding 12 months	-0.73	(0.80)	2.15	(1.51)	-3.14 *	(1.25)	-2.97	(2.10)
Living in neighborhood with hospitals and clinics (omitted=no)	0.81	(0.63)	0.28	(0.68)	2.19	(1.78)	-0.01	(1.54)
Resource factor score	-1.06	(0.62)	-1.58 *	(0.77)	-2.39	(1.30)	0.27	(1.29)
Spline: resource factor score	0.71	(0.88)	1.61	(1.20)	2.49	(1.78)	-2.13	(1.91)
Age of housing stock								
Percentage of housing built before 1940	0.86	(1.14)	1.36	(1.05)	1.17	(2.04)	0.06	(1.27)
Spline: percentage of housing built before 1940	-1.25	(1.59)	-2.74 *	(1.37)	-2.51	(2.50)	0.84	(1.53)
Percentage of housing built between 1940–69	0.04	(0.92)	-2.07 *	(0.95)	-0.25	(1.20)	3.08 **	(1.20)
Spline: percentage of housing built between 1940–69	-0.33	(1.37)	1.41	(1.15)	0.28	(1.97)	-2.55 *	(1.19)
Violent crime rate per 1,000	-1.76	(1.04)	-6.06 ***	(1.64)	-3.07 *	(1.49)	-3.87 *	(1.67)
Spline: violent crime rate per 1,000	1.94	(1.04)	6.64 ***	(1.73)	3.25 *	(1.42)	6.03 **	(2.02)
Property crime rate per 1,000	2.30	(1.21)	5.08 ***	(1.49)	3.72 *	(1.69)	3.70 *	(1.77)
Spline: property crime rate per 1,000	-2.29	(1.27)	-5.28 ***	(1.50)	-3.87 *	(1.88)	-3.51	(2.01)
Child abuse and neglect rate per 1,000	-1.57	(0.94)	-0.42	(1.28)	-2.72	(1.52)	-0.07	(1.57)
Spline: child abuse and neglect rate per 1,000	1.02	(0.99)	-0.29	(1.44)	2.68	(1.60)	0.50	(1.66)
Neurological hazards index (rescaled by 100)	0.41	(0.79)	0.13	(0.79)	0.51	(0.95)	-3.57 *	(1.44)
Spline: neurological hazards index (rescaled by 100)	-0.13	(1.18)	-0.83	(1.01)	-0.63	(1.50)	5.02 **	(1.76)
Respiratory hazards index	-0.67	(0.39)	-1.15 *	(0.57)	-0.96 *	(0.47)	-1.26 **	(0.44)
Spline: respiratory hazards index	1.95 **	(0.67)	3.25 ***	(0.94)	2.55 *	(1.08)	4.67 ***	(1.22)
Number of observations	814		549		471		548	
Number of clusters	448		317		275		316	
Number of failures	70		75		56		46	
Time at risk	10224		4970		4767		6851	
Log likelihood	-292.74		-271.00		-195.82		-145.57	
Chi-square	565.50 ***		600.00 ***		611.70 ***		710.70 ***	

Notes:

Raw coefficients (that is, not exponentiated) are presented; robust standard errors in parentheses.

[a]This variable was excluded from the model for the "currently in DHA" sample (all in sample were in conventional public housing).

* p < 0.05; ** p < 0.01; *** p < 0.001

Appendix D-IV-3. Standardized spline logit models predicting childhood diagnosis of neurodevelopmental disorders

	Ever in DHA		Currently in DHA		Majority in DHA		Mostly in DHA	
	Coeff.	SE	Coeff.	SE	Coeff.	SE	Coeff.	SE
Predictor measures (all continuous variables reflect standardized values measured at time of diagnosis unless otherwise noted)								
Child characteristics								
Gender and ethnicity of child (omitted=African-American male)								
Latina female	-1.72 **	(0.63)	-1.82	(1.45)	-2.37 *	(1.12)	—[a]	—[a]
Latino male	-0.27	(0.52)	-0.47	(0.91)	-0.73	(0.71)	-0.10	(1.23)
African-American female	-1.17 *	(0.54)	-1.89 *	(0.85)	-1.25	(0.67)	-1.95	(1.38)
First born in family (omitted=no)	-1.04 *	(0.44)	-0.81	(0.75)	-0.46	(0.56)	-0.29	(0.73)
Child was low birthweight or extremely premature (omitted=no)	0.50	(0.61)	0.35	(0.95)	0.66	(1.00)	0.40	(1.18)
Caregiver and household characteristics	-0.42	(0.26)	-0.75	(0.50)	-0.26	(0.44)	-0.40	(0.55)
Number of siblings in household								
Caregiver reported depressive symptomatology (omitted=no)	0.49	(0.54)	1.68 *	(0.70)	1.20	(0.73)	-0.47	(1.13)
Caregiver age	-1.77 ***	(0.42)	-0.72	(0.56)	-1.08 *	(0.47)	-1.23	(0.70)
Caregiver immigrant status (omitted=no)	0.86	(0.83)	0.61	(2.00)	0.60	(1.40)	-3.34	(2.22)
Caregiver history of substance abuse (omitted=no)	0.26	(0.78)	0.60	(1.02)	0.31	(1.14)	-1.25	(1.75)
Caregiver disability status (omitted=not disabled)	0.05	(1.15)	0.64	(1.25)	0.04	(1.44)	0.14	(1.36)
Caregiver educational attainment (omitted=no degree)								
High school diploma	0.65	(0.60)	-0.09	(0.95)	-0.40	(0.89)	0.88	(1.63)
Post–high school technical certificate or college degree	0.78	(0.71)	0.99	(0.95)	0.05	(0.84)	-0.32	(1.23)
Caregiver married/partnered (omitted=not married/partnered)	0.66	(0.53)	1.39	(0.93)	0.69	(0.85)	2.03	(1.67)
Natural log of caregiver earnings (in dollars)	-0.18	(0.39)	0.10	(0.51)	-0.24	(0.51)	0.45	(1.16)
Caregiver was available to monitor/supervise children full/part time (omitted=not available)	-0.18	(0.86)	-0.43	(0.95)	-0.81	(1.21)	0.28	(3.19)
Household stressor scale	0.09	(0.21)	-0.43	(0.33)	-0.17	(0.34)	-0.05	(0.32)
Household had health insurance (omitted=no)	-0.25	(0.49)	0.31	(0.65)	-1.05	(0.59)	-1.99	(1.14)
Total number of moves from birth to diagnosis	-0.10	(0.36)	0.36	(0.40)	-0.39	(0.55)	-1.83	(2.01)
Neighborhood characteristics								
Living in neighborhood with negative peers (omitted=no)	-0.22	(0.53)	-1.34	(0.78)	-0.79	(1.06)	-3.30	(2.62)
Social capital index	-0.01	(0.34)	-0.39	(0.70)	-0.15	(0.42)	1.33	(1.24)
Spline: social capital index	-0.25	(0.76)	0.69	(1.35)	0.21	(0.83)	-2.03	(2.58)
Social problems index	-0.36	(0.57)	0.42	(1.01)	0.04	(0.81)	-0.48	(1.01)
Spline: social problems index	1.17	(0.80)	0.35	(1.35)	1.35	(1.07)	3.60 *	(1.76)
Social vulnerability score	3.33 *	(1.54)	33.22 ***	(9.74)	3.08	(3.53)	8.98	(6.71)
Spline: social vulnerability score	-4.29 *	(2.02)	-35.69 **	(11.90)	-2.80	(4.28)	-3.88	(3.30)
Percentage African-American residents	-0.53	(1.86)	1.96	(9.38)	-0.80	(2.49)	0.82	(4.07)
Spline: percentage African-American residents	-1.15	(2.19)	-12.15	(11.40)	-0.97	(2.85)	-5.21	(6.05)

Percentage Latino residents	-3.54 ***	(0.84)	-10.43 *	(4.78)	-4.07 *	(1.59)	-7.49	(5.37)
Spline: percentage Latino residents	4.68 ***	(1.30)	24.62 *	(11.39)	5.16	(2.83)	9.55	(6.66)
Occupational prestige score	-1.69	(0.94)	-5.15	(5.36)	-0.80	(1.38)	-0.42	(1.75)
Spline: occupational prestige score	-3.24 **	(1.15)	-15.83 *	(6.32)	-5.62 **	(1.75)	-7.66	(6.85)
Percentage foreign-born residents	1.23	(1.09)	5.74	(4.86)	1.36	(1.35)	3.72	(2.61)
Spline: percentage foreign-born residents	-4.11 *	(1.68)	-27.46 *	(13.75)	-4.32	(2.31)	-7.05	(3.99)
Percentage of residents who moved in preceding 12 months	0.29	(0.78)	1.88	(2.85)	0.44	(1.84)	-1.36	(2.09)
Spline: percentage of residents who moved in preceding 12 months	-1.19	(1.12)	-2.85	(3.63)	-1.67	(2.94)	-3.33	(2.86)
Living in neighborhood with hospitals and clinics (omitted=no)	0.79	(0.62)	2.06 *	(1.03)	1.61	(1.01)	2.34	(2.68)
Resource factor score	-0.84	(0.84)	-1.76	(1.50)	-1.38	(1.34)	-1.47	(2.70)
Spline: resource factor score	0.57	(1.15)	1.15	(1.70)	1.55	(1.84)	0.87	(4.26)
Age of housing stock								
Percentage of housing built before 1940	3.32 *	(1.43)	13.02	(7.02)	3.23 *	(1.45)	3.58	(2.03)
Spline: percentage of housing built before 1940	-4.35 *	(1.84)	-23.20 *	(11.65)	-3.93 *	(1.85)	-5.10	(3.18)
Percentage of housing built between 1940–69	-1.91 **	(0.72)	-6.64	(3.71)	-1.50	(1.22)	-5.06	(3.40)
Spline: percentage of housing built between 1940–69	2.34	(1.21)	-0.10	(4.46)	1.19	(2.08)	6.17	(3.96)
Violent crime rate per 1,000	-3.72 **	(1.28)	-25.44 *	(11.62)	-5.92 ***	(1.77)	-5.48	(3.56)
Spline: violent crime rate per 1,000	4.36 *	(1.84)	26.37 *	(10.82)	6.01 *	(2.58)	3.86	(2.40)
Property crime rate per 1,000	1.28	(1.42)	11.56	(11.50)	4.38	(2.82)	4.03	(4.35)
Spline: property crime rate per 1,000	0.44	(1.54)	-7.05	(14.22)	-2.93	(3.21)	-4.23	(5.34)
Child abuse and neglect rate per 1,000	-2.52 *	(1.03)	-16.71 **	(6.31)	-3.14 *	(1.51)	-6.72	(5.23)
Spline: child abuse and neglect rate per 1,000	2.18	(1.31)	12.92 *	(6.12)	3.01	(1.97)	5.95	(5.55)
Neurological hazards index (rescaled by 100)	1.30	(0.68)	-1.87	(2.97)	1.65	(0.89)	2.15	(1.83)
Spline: neurological hazards index (rescaled by 100)	-2.36 *	(1.13)	10.94	(8.65)	-2.20	(1.31)	-1.78	(1.20)
Respiratory hazards index	-0.58	(0.47)	0.77	(1.17)	-0.66	(0.52)	-0.24	(0.93)
Spline: respiratory hazards index	1.43	(1.13)	-14.40 *	(6.35)	1.65	(1.45)	1.42	(1.58)
Constant	-2.90	(1.91)	18.59	(10.99)	-1.03	(3.01)	-1.58	(3.97)
Number of observations	841		566		498		411	
Number of clusters	442		312		284		263	
Log likelihood	-114.40		-59.92		-73.93		-47.39	
Chi-square	143.80 ***		201.80 ***		115.60 ***		86.16 **	
Pseudo-R²	0.44		0.67		0.53		0.59	

Notes:

Raw coefficients (that is, not exponentiated) are presented; robust standard errors in parentheses.

[a]Latina female was excluded from the analysis for the "mostly in DHA" sample because it was perfectly predictive.

* p < 0.05; ** p < 0.01; *** p < 0.001

Appendix D-IV-4. Standardized spline AFT frailty models predicting timing of childhood diagnosis of neurodevelopmental disorders

	Ever in DHA		Currently in DHA		Majority in DHA		Mostly in DHA	
	Coeff.	SE	Coeff.	SE	Coeff.	SE	Coeff.	SE

Predictor measures (all continuous variables reflect standardized values measured at time of diagnosis unless otherwise noted)

Child characteristics

Gender and ethnicity of child (omitted=African-American male)

	Ever in DHA		Currently in DHA		Majority in DHA		Mostly in DHA	
Latina female	0.54 **	(0.19)	0.36 *	(0.16)	0.53 **	(0.16)	—[a]	—[a]
Latino male	0.10	(0.15)	0.02	(0.12)	0.29 *	(0.15)	0.04	(0.18)
African-American female	0.39 *	(0.16)	0.20	(0.11)	0.36 **	(0.13)	0.28	(0.17)
First born in family (omitted=no)	0.51 ***	(0.11)	0.25 **	(0.09)	0.29 **	(0.10)	0.32 *	(0.13)
Child was low birthweight or extremely premature (omitted=no)	-0.36 *	(0.15)	-0.45 ***	(0.11)	-0.31	(0.17)	-0.17	(0.19)

Caregiver and household characteristics

	Ever in DHA		Currently in DHA		Majority in DHA		Mostly in DHA	
Number of siblings in household	0.22 **	(0.07)	0.19 ***	(0.05)	0.13	(0.07)	0.21 **	(0.08)
Caregiver reported depressive symptomatology (omitted=no)	-0.15	(0.13)	-0.25 **	(0.09)	-0.28 *	(0.12)	0.07	(0.15)
Caregiver age	0.85 ***	(0.09)	0.40 ***	(0.05)	0.54 ***	(0.09)	0.67 ***	(0.11)
Caregiver immigrant status (omitted=no)	-0.23	(0.22)	-0.05	(0.19)	-0.06	(0.22)	0.34 *	(0.17)
Caregiver history of substance abuse (omitted=no)	-0.08	(0.16)	-0.09	(0.11)	-0.17	(0.18)	0.08	(0.20)
Caregiver disability status (omitted=not disabled)	-0.30	(0.21)	-0.57 ***	(0.16)	-0.31	(0.19)	-0.54 *	(0.22)

Caregiver educational attainment (omitted=no degree)

	Ever in DHA		Currently in DHA		Majority in DHA		Mostly in DHA	
High school diploma	-0.17	(0.14)	-0.09	(0.12)	0.22	(0.15)	0.01	(0.17)
Post–high school technical certificate or college degree	-0.33	(0.17)	-0.24	(0.14)	0.04	(0.18)	0.02	(0.19)
Caregiver married/partnered (omitted=not married/partnered)	-0.08	(0.13)	-0.09	(0.10)	-0.04	(0.14)	-0.15	(0.15)
Natural log of caregiver earnings (in dollars)	0.08	(0.11)	0.07	(0.08)	0.19	(0.13)	-0.08	(0.17)
Caregiver was available to monitor/supervise children full/part time (omitted=not available)	-0.03	(0.25)	0.05	(0.17)	0.39	(0.28)	0.07	(0.35)
Household stressor scale	0.01	(0.05)	0.06	(0.04)	0.03	(0.06)	-0.01	(0.06)
Household had health insurance (omitted=no)	0.21	(0.12)	0.23 *	(0.10)	0.39 **	(0.12)	0.34 **	(0.12)
Total number of moves from birth to diagnosis	0.20 *	(0.10)	0.08	(0.05)	0.25 **	(0.09)	0.42 **	(0.15)

Neighborhood characteristics

	Ever in DHA		Currently in DHA		Majority in DHA		Mostly in DHA	
Living in neighborhood with negative peers (omitted=no)	0.02	(0.15)	0.29 *	(0.12)	0.21	(0.17)	0.35	(0.24)
Social capital index	-0.15	(0.12)	-0.12	(0.09)	-0.10	(0.11)	-0.31 **	(0.11)
Spline: social capital index	0.36	(0.22)	0.32 *	(0.16)	0.16	(0.20)	0.43	(0.24)
Social problems index	0.13	(0.17)	-0.10	(0.14)	0.05	(0.14)	0.28	(0.16)
Spline: social problems index	-0.35	(0.22)	-0.07	(0.20)	-0.38	(0.20)	-0.85 ***	(0.24)
Social vulnerability score	-1.00 *	(0.41)	-0.84 *	(0.39)	-1.06 *	(0.48)	-1.42 **	(0.51)
Spline: social vulnerability score	1.01	(0.57)	1.66 *	(0.80)	0.96	(0.63)	-0.05	(0.56)
Percentage African-American residents	0.19	(0.44)	0.01	(0.45)	0.45	(0.46)	0.79	(0.56)
Spline: percentage African-American residents	0.28	(0.54)	0.48	(0.53)	-0.05	(0.50)	-0.26	(0.65)
Percentage Latino residents	0.95 ***	(0.23)	0.73 ***	(0.21)	0.88 ***	(0.25)	1.39 ***	(0.38)

	(1)		(2)		(3)		(4)	
Spline: percentage Latino residents	-1.11 ***	(0.34)	-0.99 ***	(0.28)	-0.82 *	(0.38)	-1.39 ***	(0.42)
Occupational prestige score	0.54 *	(0.24)	0.81 *	(0.38)	0.08	(0.28)	0.07	(0.23)
Spline: occupational prestige score	0.73 *	(0.33)	0.47	(0.43)	1.28 **	(0.40)	1.43 **	(0.45)
Percentage foreign-born residents	-0.26	(0.24)	-0.13	(0.24)	-0.29	(0.27)	-0.44	(0.29)
Spline: percentage foreign-born residents	0.92 *	(0.36)	1.24 **	(0.42)	0.76 *	(0.34)	0.53	(0.34)
Percentage of residents who moved in preceding 12 months	-0.06	(0.21)	0.05	(0.21)	-0.11	(0.25)	0.02	(0.27)
Spline: percentage of residents who moved in preceding 12 months	0.26	(0.27)	-0.01	(0.28)	0.35	(0.36)	0.68 *	(0.33)
Living in neighborhood with hospitals and clinics (omitted=no)	-0.06	(0.18)	-0.14	(0.19)	0.07	(0.18)	-0.27	(0.22)
Resource factor score	0.14	(0.21)	0.30	(0.19)	-0.09	(0.24)	0.12	(0.27)
Spline: resource factor score	-0.24	(0.32)	-0.51	(0.29)	0.01	(0.35)	0.02	(0.38)
Age of housing stock								
Percentage of housing built before 1940	-1.40 **	(0.45)	-1.12 ***	(0.33)	-1.14 ***	(0.34)	-1.47 ***	(0.39)
Spline: percentage of housing built before 1940	1.84 **	(0.56)	1.58 ***	(0.44)	1.37 **	(0.43)	1.83 ***	(0.48)
Percentage of housing built between 1940–69	0.84 ***	(0.26)	0.72 **	(0.27)	0.60 *	(0.28)	1.02 ***	(0.30)
Spline: percentage of housing built between 1940–69	-1.30 **	(0.45)	-0.71	(0.39)	-0.97 *	(0.46)	-1.62 ***	(0.45)
Violent crime rate per 1,000	0.54 *	(0.27)	0.19	(0.37)	0.61 *	(0.28)	0.73 **	(0.28)
Spline: violent crime rate per 1,000	-0.72	(0.46)	-0.60	(0.56)	-0.82 *	(0.41)	-0.27	(0.34)
Property crime rate per 1,000	0.20	(0.35)	-0.32	(0.35)	-0.10	(0.33)	0.32	(0.44)
Spline: property crime rate per 1,000	-0.47	(0.39)	-0.08	(0.41)	-0.11	(0.37)	-0.18	(0.51)
Child abuse and neglect rate per 1,000	0.73 **	(0.23)	1.02 ***	(0.25)	0.73 ***	(0.21)	0.95 **	(0.30)
Spline: child abuse and neglect rate per 1,000	-0.65 *	(0.30)	-0.92 **	(0.29)	-0.83 **	(0.27)	-1.05 **	(0.36)
Neurological hazards index (rescaled by 100)	-0.22	(0.19)	-0.10	(0.14)	-0.24	(0.17)	-0.39	(0.22)
Spline: neurological hazards index (rescaled by 100)	0.57	(0.30)	0.52	(0.30)	0.62 *	(0.28)	0.50	(0.29)
Respiratory hazards index	0.09	(0.13)	0.13	(0.09)	0.11	(0.11)	0.08	(0.16)
Spline: respiratory hazards index	-0.18	(0.25)	0.02	(0.22)	-0.26	(0.21)	-0.24	(0.24)
Constant	3.26 ***	(0.50)	1.94 ***	(0.48)	1.75 **	(0.53)	3.57 ***	(0.66)
LN(sigma)	-0.51 ***	(0.09)	-0.92 ***	(0.09)	-0.82 ***	(0.11)	-0.81 ***	(0.14)
Number of observations	841		566		498		411	
Number of clusters	442		312		284		263	
Number of failures	56		56		48		33	
Time at risk	10363		5161		4952		5127	
Sigma	0.60		0.40		0.44		0.44	
Log likelihood	-116.70		-70.50		-68.39		-48.27	
Chi-square	681.10 ***		561.20 ***		878.20 ***		804.70 ***	

Notes:

Raw coefficients (that is, not exponentiated) presented; robust standard errors in parentheses

[a]Latina female was excluded from the analysis for the "mostly in DHA" sample because it was perfectly predictive.

* p < 0.05; ** p < 0.01; *** p < 0.001

Appendix D-IV-5. Standardized spline logit models predicting childhood diagnosis of obesity

Predictor measures (all continuous variables reflect standardized values measured at time of diagnosis unless otherwise noted)	Ever in DHA		Currently in DHA		Majority in DHA		Mostly in DHA	
	Coeff.	SE	Coeff.	SE	Coeff.	SE	Coeff.	SE
Child characteristics								
Gender and ethnicity of child (omitted=African-American male)								
Latina female	0.41	(0.61)	1.73	(0.99)	0.39	(0.77)	1.40	(1.28)
Latino male	-0.18	(0.66)	-0.15	(0.81)	-0.48	(0.84)	-0.04	(1.52)
African-American female	0.92	(0.61)	0.71	(1.39)	-0.49	(0.95)	1.56	(1.96)
First born in family (omitted=no)	-0.65	(0.43)	-1.60 *	(0.67)	-1.30 *	(0.55)	-0.90	(0.91)
Caregiver and household characteristics								
Number of siblings in household	-0.76 **	(0.28)	-1.08 *	(0.49)	-0.87	(0.46)	-0.79	(0.46)
Caregiver reported depressive symptomatology (omitted=no)	-0.27	(0.56)	-0.52	(1.15)	-0.17	(0.80)	1.25	(0.68)
Caregiver age	-1.34 **	(0.48)	-1.83 *	(0.89)	-0.58	(0.45)	-0.45	(0.46)
Caregiver immigrant status (omitted=no)	1.20	(0.73)	1.46	(1.23)	3.23 *	(1.27)	1.78 *	(0.84)
Caregiver history of substance abuse (omitted=no)	0.14	(0.64)	0.23	(0.97)	1.25	(1.13)	-0.18	(1.29)
Caregiver disability status (omitted=not disabled)	0.70	(0.64)	0.11	(1.26)	0.04	(0.78)	-0.11	(1.00)
Caregiver educational attainment (omitted=no degree)								
High school diploma	-0.08	(0.64)	-2.59 *	(1.26)	1.99 *	(1.01)	2.43 *	(1.08)
Post–high school technical certificate or college degree	1.53 *	(0.70)	2.14 *	(0.88)	3.30 ***	(0.92)	3.67 ***	(1.10)
Caregiver married/partnered (omitted=not married/partnered)	3.64 ***	(0.74)	9.50 ***	(2.52)	4.03 ***	(0.94)	5.30 ***	(1.18)
Natural log of caregiver earnings (in dollars)	-0.47	(0.39)	-0.72	(1.47)	-0.90	(0.75)	-0.75	(0.59)
Caregiver was available to monitor/supervise children full/part time (omitted=not available)	-0.91	(0.76)	-1.52	(2.74)	-1.85	(1.54)	-1.72	(1.11)
Household stressor scale	0.36	(0.21)	0.48	(0.47)	1.01 *	(0.41)	0.40	(0.31)
Household had health insurance (omitted=no)	0.34	(0.61)	1.27	(0.97)	-0.48	(0.79)	1.05	(0.72)
Total number of moves from birth to diagnosis	-0.09	(0.27)	0.70	(0.48)	0.14	(0.32)	-1.03	(0.61)
Resided in conventional public housing (omitted=no)	1.55	(0.84)	—a	—a	—a	—a	1.90	(1.51)
Neighborhood characteristics								
Living in neighborhood with negative peers (omitted=no)	-0.64	(0.57)	-0.28	(1.30)	-0.11	(1.01)	-1.86	(1.20)
Social capital index	-0.31	(0.41)	-1.03	(0.79)	0.22	(0.62)	-1.30 *	(0.57)
Spline: social capital index	1.16	(0.87)	3.10	(1.87)	0.23	(1.37)	2.92 *	(1.44)
Social problems index	-0.73	(0.74)	-2.83	(1.89)	-1.01	(1.02)	-1.42	(1.22)
Spline: social problems index	1.52	(1.06)	3.84	(2.50)	1.93	(1.41)	2.35	(1.57)
Social vulnerability score	0.66	(1.46)	0.03	(4.18)	1.58	(2.14)	2.80	(2.53)
Spline: social vulnerability score	0.92	(4.41)	-3.27	(14.32)	-1.45	(2.94)	11.71 *	(5.43)
Percentage African-American residents	2.19	(3.44)	21.59 **	(7.91)	8.23	(4.38)	0.37	(3.09)

	(1)		(2)		(3)		(4)	
Spline: percentage African-American residents	-2.63	(4.14)	-28.36 ***	(8.29)	-13.67 **	(5.30)	-1.27	(3.39)
Percentage Latino residents	0.56	(1.21)	5.24	(3.61)	1.41	(1.74)	-2.31	(1.71)
Spline: percentage Latino residents	1.78	(1.73)	-6.62 *	(3.06)	-5.66 **	(2.17)	4.99 *	(2.40)
Occupational prestige score	0.66	(1.69)	-1.55	(4.57)	-3.95 *	(1.77)	2.36	(1.34)
Spline: occupational prestige score	-0.78	(2.00)	-3.74	(7.44)	2.04	(2.28)	-6.87 **	(2.51)
Percentage foreign-born residents	-0.13	(1.44)	-5.52	(3.44)	-3.52	(2.10)	0.61	(2.48)
Spline: percentage foreign-born residents	-1.65	(1.60)	-2.96	(2.81)	2.30	(1.94)	-2.16	(2.86)
Percentage of residents who moved in preceding 12 months	0.27	(0.90)	0.25	(1.45)	1.32	(1.28)	1.31	(1.34)
Spline: percentage of residents who moved in preceding 12 months	-0.91	(1.43)	2.96	(2.01)	-0.93	(1.77)	-4.67 *	(2.37)
Living in neighborhood with hospitals and clinics (omitted=no)	1.62 *	(0.76)	2.58	(1.67)	1.52	(1.32)	4.84 *	(1.89)
Resource factor score	-1.04	(0.84)	-2.44	(1.72)	-0.43	(1.27)	-3.47	(1.83)
Spline: resource factor score	1.00	(1.21)	1.31	(2.11)	-0.17	(1.90)	5.38	(2.85)
Age of housing stock								
Percentage of housing built before 1940	-3.58	(2.08)	-9.70	(7.58)	-5.82 *	(2.67)	-4.23 *	(2.12)
Spline: percentage of housing built before 1940	5.30 *	(2.57)	15.66	(11.08)	8.38 *	(3.26)	7.23 **	(2.39)
Percentage of housing built between 1940–69	0.61	(1.36)	5.81	(5.88)	1.54	(1.87)	0.31	(1.68)
Spline: percentage of housing built between 1940–69	-1.30	(2.56)	-9.24	(10.23)	-1.44	(3.19)	-1.73	(3.34)
Violent crime rate per 1,000	-2.13	(1.32)	-11.55 *	(5.89)	-2.09	(1.74)	-2.48	(1.27)
Spline: violent crime rate per 1,000	-0.58	(3.62)	-2.80	(7.66)	-6.34	(3.29)	-10.26 *	(4.92)
Property crime rate per 1,000	1.53	(1.50)	10.99	(7.88)	1.53	(2.09)	-0.71	(2.98)
Spline: property crime rate per 1,000	-1.70	(1.98)	-4.40	(14.68)	-2.26	(2.49)	-1.94	(3.02)
Child abuse and neglect rate per 1,000	1.21	(1.23)	3.29	(5.53)	1.95	(1.85)	1.12	(1.81)
Spline: child abuse and neglect rate per 1,000	-2.23	(1.90)	-17.34 ***	(4.86)	-3.39	(2.56)	0.32	(2.31)
Neurological hazards index (rescaled by 100)	1.43	(1.29)	5.55 *	(2.64)	2.33	(1.70)	2.26	(1.43)
Spline: neurological hazards index (rescaled by 100)	-1.40	(1.75)	5.41 *	(2.55)	4.11	(3.02)	-2.36	(2.15)
Respiratory hazards index	1.11 *	(0.55)	-2.68	(1.43)	2.06 **	(0.75)	2.44 *	(1.21)
Spline: respiratory hazards index	-1.91	(1.53)	-4.84	(2.93)	-10.48 **	(3.65)	-6.27 *	(2.91)
Constant	-6.62 *	(2.63)	9.50	(9.70)	1.46	(3.67)	-14.45 *	(6.47)
Number of observations	896		591		509		603	
Number of clusters	468		326		289		337	
Log likelihood	-109.72		-50.30		-58.36		-52.11	
Chi-square	152.30 ***		209.00 ***		218.10 ***		110.00 ***	
Pseudo-R^2	0.38		0.64		0.51		0.57	

Notes:

Raw coefficients (that is, not exponentiated) presented; robust standard errors in parentheses

[a]Resided in conventional public housing was not included in the models for the "currently in DHA" (all were in conventional public housing) or the "majority in DHA" (conventional public housing was perfectly predictive) samples.

* $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$

Appendix D-IV-6. Standardized spline Cox models predicting hazard of childhood diagnosis of obesity

	Ever in DHA		Currently in DHA		Majority in DHA		Mostly in DHA	
	Coeff.	SE	Coeff.	SE	Coeff.	SE	Coeff.	SE
Predictor measures (all continuous variables reflect standardized values measured at time of diagnosis unless otherwise noted)								
Child characteristics								
Gender and ethnicity of child (omitted=African-American male)								
Latina female	-0.27	(0.66)	0.12	(0.82)	-0.42	(0.96)	-0.11	(0.88)
Latino male	-0.74	(0.69)	-0.38	(0.93)	-1.16	(1.15)	-1.20	(1.08)
African-American female	0.52	(0.52)	-1.04	(0.97)	-1.33	(1.02)	0.16	(1.49)
First born in family (omitted=no)	-1.13 *	(0.46)	-1.31 *	(0.60)	-1.83	(0.94)	-1.43	(0.86)
Caregiver and household characteristics								
Number of siblings in household	-0.82 ***	(0.24)	-0.82 *	(0.32)	-0.92 *	(0.46)	-0.85	(0.62)
Caregiver reported depressive symptomatology (omitted=no)	-0.48	(0.59)	-1.88	(1.03)	-0.87	(0.92)	1.75 *	(0.89)
Caregiver age	-2.60 ***	(0.64)	-1.69 ***	(0.46)	-1.85 **	(0.63)	-1.76 *	(0.83)
Caregiver immigrant status (omitted=no)	0.96	(0.70)	0.23	(1.09)	2.05	(1.29)	0.94	(0.85)
Caregiver history of substance abuse (omitted=no)	0.43	(0.60)	-0.08	(0.64)	1.77	(1.14)	-0.43	(1.49)
Caregiver disability status (omitted=not disabled)	1.38 **	(0.49)	1.59 *	(0.81)	1.52	(0.84)	0.41	(0.93)
Caregiver educational attainment (omitted=no degree)								
High school diploma	0.12	(0.67)	0.26	(0.87)	2.26	(1.37)	2.28 *	(1.10)
Post–high school technical certificate or college degree	1.38 *	(0.62)	1.38 *	(0.70)	2.71 *	(1.22)	2.75 **	(1.05)
Caregiver married/partnered (omitted=not married/partnered)	2.68 ***	(0.60)	2.70 *	(1.12)	2.64 *	(1.18)	3.16 ***	(0.83)
Natural log of caregiver earnings (in dollars)	-0.61	(0.50)	-1.43	(0.74)	-0.70	(0.87)	-0.30	(0.51)
Caregiver was available to monitor/supervise children full/part time (omitted=not available)	-1.09	(0.94)	-3.25 *	(1.33)	-1.79	(1.95)	-0.82	(1.30)
Household stressor scale	0.12	(0.21)	0.25	(0.25)	0.98	(0.58)	0.12	(0.36)
Household had health insurance (omitted=no)	0.16	(0.70)	0.12	(0.75)	-1.35	(0.93)	0.31	(0.53)
Total number of moves from birth to diagnosis	-0.54	(0.29)	-0.49	(0.44)	-0.40	(0.42)	-1.63 **	(0.56)
Resided in conventional public housing (omitted=no)	1.83 *	(0.72)	—a	—a	—a	—a	0.90	(1.19)
Neighborhood characteristics								
Living in neighborhood with negative peers (omitted=no)	-1.01	(0.67)	-1.36	(1.21)	-2.06	(1.87)	-2.60	(1.70)
Social capital index	-0.36	(0.43)	-0.11	(0.58)	0.31	(0.72)	-1.15 **	(0.44)
Spline: social capital index	0.64	(0.86)	-0.32	(1.20)	-1.11	(1.73)	1.38	(1.26)
Social problems index	-0.56	(0.69)	-0.58	(1.11)	-0.99	(0.90)	-1.01	(1.29)
Spline: social problems index	1.40	(1.03)	1.75	(1.53)	2.78 *	(1.11)	1.73	(1.82)
Social vulnerability score	-1.09	(1.48)	-6.05 **	(1.91)	0.53	(1.89)	1.72	(2.58)
Spline: social vulnerability score	3.40	(3.07)	13.64	(7.19)	3.56	(6.24)	11.71	(6.12)
Percentage African-American residents	1.19	(2.62)	7.70 **	(2.62)	6.28	(5.51)	0.84	(4.76)

Spline: percentage African-American residents	-1.55	(3.20)	-9.31 **	(2.88)	-10.16	(6.74)	-1.51	(6.21)
Percentage Latino residents	0.81	(0.88)	1.48	(1.17)	1.00	(1.82)	-0.30	(1.55)
Spline: percentage Latino residents	-0.13	(1.41)	-1.42	(1.55)	-5.03	(2.66)	2.07	(2.38)
Occupational prestige score	-0.39	(1.16)	-1.83	(1.25)	-2.90	(2.04)	0.23	(1.85)
Spline: occupational prestige score	0.37	(1.38)	0.18	(1.61)	1.28	(2.36)	-1.78	(1.75)
Percentage foreign-born residents	-0.55	(1.09)	-3.37 **	(1.15)	-4.85	(3.39)	-1.67	(3.74)
Spline: percentage foreign-born residents	-0.40	(1.20)	2.05	(1.58)	4.37	(2.65)	1.86	(2.43)
Percentage of residents who moved in preceding 12 months	0.68	(0.74)	1.60 *	(0.80)	0.90	(0.83)	0.88	(1.64)
Spline: percentage of residents who moved in preceding 12 months	-0.92	(1.21)	-1.24	(1.53)	0.14	(3.24)	-2.25	(2.54)
Living in neighborhood with hospitals and clinics (omitted=no)	1.55 *	(0.71)	1.75 *	(0.76)	1.56	(1.30)	4.07 *	(1.67)
Resource factor score	-1.28	(0.74)	-1.70	(1.27)	-1.95	(1.74)	-3.25 *	(1.63)
Spline: resource factor score	1.60	(1.08)	2.37	(1.65)	2.99	(2.52)	6.30 *	(2.96)
Age of housing stock								
Percentage of housing built before 1940	-1.35	(1.48)	-4.48 *	(2.02)	-4.23	(3.34)	-1.88	(2.38)
Spline: percentage of housing built before 1940	1.81	(1.83)	6.34 **	(2.42)	5.93	(4.11)	3.35	(2.68)
Percentage of housing built between 1940–69	-0.11	(0.81)	2.43	(1.29)	1.39	(1.39)	-0.74	(1.59)
Spline: percentage of housing built between 1940–69	-0.35	(1.75)	-4.77	(2.84)	-1.85	(2.85)	1.46	(2.90)
Violent crime rate per 1,000	-1.40	(1.06)	-2.41	(1.72)	-0.24	(1.82)	-1.86	(1.44)
Spline: violent crime rate per 1,000	-1.41	(2.62)	-9.28	(5.60)	-9.85	(5.83)	-10.23 ***	(2.88)
Property crime rate per 1,000	0.78	(1.46)	3.69	(2.18)	-0.78	(2.89)	-4.98	(3.98)
Spline: property crime rate per 1,000	-1.57	(1.78)	-5.11	(2.75)	-0.65	(2.65)	2.29	(4.06)
Child abuse and neglect rate per 1,000	0.58	(0.92)	2.49 *	(1.15)	2.55	(1.65)	1.91	(1.86)
Spline: child abuse and neglect rate per 1,000	-1.47	(1.39)	-5.54 ***	(1.64)	-4.28 *	(2.16)	-0.83	(2.27)
Neurological hazards index (rescaled by 100)	0.87	(0.91)	2.07	(1.06)	1.62	(1.67)	1.85	(1.76)
Spline: neurological hazards index (rescaled by 100)	0.24	(1.07)	4.63 *	(2.18)	5.95	(3.15)	-0.07	(2.73)
Respiratory hazards index	0.91	(0.48)	-0.64	(0.69)	0.76	(0.67)	2.21	(2.35)
Spline: respiratory hazards index	-1.70	(1.28)	-2.12	(1.60)	-7.28	(3.76)	-5.56	(3.47)
Number of observations	896		591		509		603	
Number of clusters	468		326		289		337	
Number of failures	44		38		32		31	
Time at risk	10558		5613		5050		6952	
Log likelihood	-192.50		-134.10		-109.70		-100.60	
Chi-square	426.50 ***		598.30 ***		412.10 ***		479.60 ***	

Notes:
Raw coefficients (that is, not exponentiated) are presented; robust standard errors in parentheses.

Appendix IV-7. Standardized spline logit models predicting childhood diagnosis of internalizing behaviors

	Ever in DHA		Currently in DHA[a]		Majority in DHA[a]		Mostly in DHA[a]	
	Coeff.	SE	Coeff.	SE	Coeff.	SE	Coeff.	SE
Predictor measures (all continuous variables reflect standardized values measured at time of diagnosis unless otherwise noted)								
Child characteristics								
Gender and ethnicity of child (omitted=African-American male)								
Latina female	-0.20	(1.03)						
Latino male	0.28	(0.92)						
African-American female	-0.12	(0.89)						
First born in family (omitted=no)	-0.43	(0.51)						
Caregiver and household characteristics								
Number of siblings in household	-0.08	(0.34)						
Caregiver reported depressive symptomatology (omitted=no)	-1.36	(0.75)						
Caregiver age	-2.83 ***	(0.63)						
Caregiver immigrant status (omitted=no)	1.67	(1.05)						
Caregiver history of substance abuse (omitted=no)	0.05	(1.23)						
Caregiver educational attainment (omitted=no degree)								
High school diploma	1.66 *	(0.84)						
Post–high school technical certificate or college degree	0.96	(1.06)						
Caregiver married/partnered (omitted=not married/partnered)	1.70 **	(0.65)						
Natural log of caregiver earnings (in dollars)	0.54	(0.79)						
Caregiver was available to monitor/supervise children full/part time (omitted=not available)	1.04	(1.51)						
Household stressor scale	0.95 **	(0.33)						
Household had health insurance (omitted=no)	1.14	(1.18)						
Total number of moves from birth to diagnosis	0.04	(0.27)						
Neighborhood characteristics								
Social capital index	0.22	(0.92)						
Spline: social capital index	-0.11	(1.87)						
Social problems index	0.80	(0.89)						
Spline: social problems index	0.24	(1.15)						
Social vulnerability score	0.97	(1.60)						
Spline: social vulnerability score	-3.72 *	(1.56)						
Percentage African-American residents	2.49	(2.78)						
Spline: percentage African-American residents	-2.46	(3.67)						
Percentage Latino residents	2.12	(1.58)						
Spline: percentage Latino residents	-0.07	(1.99)						
Occupational prestige score	0.93	(1.07)						
Spline: occupational prestige score	-2.26	(1.83)						
Percentage foreign-born residents	-2.00	(1.49)						
Spline: percentage foreign-born residents	0.65	(1.50)						
Percentage of residents who moved in preceding 12 months	3.54 **	(1.34)						

Spline: percentage of residents who moved in preceding 12 months	-8.33 *	(3.28)
Resource factor score	0.84	(1.07)
Spline: resource factor score	-1.48	(1.68)
Violent crime rate per 1,000	-5.14 **	(1.75)
Spline: violent crime rate per 1,000	6.63 **	(2.05)
Property crime rate per 1,000	4.42 *	(2.09)
Spline: property crime rate per 1,000	-3.57	(2.50)
Child abuse and neglect rate per 1,000	1.22	(0.95)
Spline: child abuse and neglect rate per 1,000	-2.03	(1.42)
Constant	-2.63	(1.58)
Number of observations	691	
Number of clusters	393	
Log likelihood	-60.28	
Chi-square	123.50 ***	
Pseudo-R^2	0.52	

Notes:

Raw coefficients (that is, not exponentiated) presented; robust standard errors in parentheses; internalizing behaviors defined to include diagnoses of depressive disorders, PTSD, and other anxiety disorders

[a]Models for the "currently in DHA", "majority in DHA", and "mostly in DHA" samples could not be estimated.

* $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$

Appendix IV-8. Standardized spline AFT frailty models predicting timing of childhood diagnosis of internalizing behavio

	Ever in DHA		Currently in DHA		Majority in
	Coeff.	SE	Coeff.	SE	Coeff.
Predictor measures (all continuous variables reflect standardized values measured at time of diagnosis unless otherwise noted)					
Child characteristics					
Gender and ethnicity of child (omitted=African-American male)					
Latina female	0.14	(0.14)	0.02	(0.10)	0.11
Latino male	0.09	(0.14)	-0.23 *	(0.12)	0.21 **
African-American female	0.05	(0.12)	-0.19 ***	(0.04)	-0.32 ***
First born in family (omitted=no)	0.26 ***	(0.07)	0.29 ***	(0.06)	0.40 ***
Caregiver and household characteristics					
Number of siblings in household	0.06	(0.05)	-0.28 ***	(0.07)	-0.06
Caregiver reported depressive symptomatology (omitted=no)	0.26 *	(0.10)	0.85 ***	(0.19)	-0.57 ***
Caregiver age	0.70 ***	(0.07)	0.25 ***	(0.06)	0.94 ***
Caregiver immigrant status (omitted=no)	-0.21	(0.15)	-0.66 ***	(0.19)	0.21 ***
Caregiver history of substance abuse (omitted=no)	0.03	(0.18)	-0.04	(0.09)	0.26
Caregiver educational attainment (omitted=no degree)					
High school diploma	-0.26 *	(0.13)	-0.38	(0.25)	0.70 ***
Post–high school technical certificate or college degree	-0.21	(0.18)	-0.76 ***	(0.16)	1.76 ***
Caregiver married/partnered (omitted=not married/partnered)	-0.37 ***	(0.10)	0.23	(0.14)	0.13 **
Natural log of caregiver earnings (in dollars)	-0.05	(0.10)	-0.20 *	(0.08)	-0.37 ***
Caregiver was available to monitor/supervise children full/part time (omitted=not available)	-0.13	(0.19)	-0.51 ***	(0.12)	-0.39 ***
Household stressor scale	-0.14 ***	(0.04)	-0.31 ***	(0.08)	-0.43 ***
Household had health insurance (omitted=no)	-0.12	(0.13)	-0.74 **	(0.25)	0.40 ***
Total number of moves from birth to diagnosis	0.02	(0.05)	-0.19 **	(0.06)	0.05 *
Neighborhood characteristics					
Social capital index	-0.06	(0.11)	-0.70 ***	(0.15)	0.28 ***
Spline: social capital index	0.09	(0.21)	1.42 ***	(0.30)	-0.20 *
Social problems index	-0.20	(0.13)	-2.04 ***	(0.46)	-0.73 ***
Spline: social problems index	0.00	(0.17)	2.73 ***	(0.61)	0.90 ***
Social vulnerability score	-0.36	(0.27)	1.05 ***	(0.26)	-0.89

	Model 1		Model 2		Model 3
Spline: social vulnerability score	0.80 **	(0.27)	1.20 **	(0.45)	1.53 ***
Percentage African-American residents	0.00	(0.31)	-2.87 ***	(0.50)	-1.28 ***
Spline: percentage African-American residents	-0.10	(0.41)	3.53 ***	(0.60)	1.24 ***
Percentage Latino residents	-0.31	(0.21)	0.05	(0.16)	-1.31 ***
Spline: percentage Latino residents	0.07	(0.26)	-0.53	(0.28)	1.88 ***
Occupational prestige score	-0.06	(0.15)	0.94 ***	(0.21)	-1.39 ***
Spline: occupational prestige score	0.14	(0.22)	0.63 **	(0.21)	2.12 ***
Percentage foreign-born residents	0.31	(0.20)	1.28 **	(0.44)	1.62 ***
Spline: percentage foreign-born residents	-0.27	(0.24)	-0.95 **	(0.34)	-1.79 ***
Percentage of residents who moved in preceding 12 months	-0.46 ***	(0.12)	-1.26 ***	(0.23)	-2.10 ***
Spline: percentage of residents who moved in preceding 12 months	1.10 ***	(0.29)	5.25 ***	(0.85)	3.55 ***
Resource factor score	-0.15	(0.14)	-0.28	(0.15)	-0.33 **
Spline: resource factor score	0.33	(0.23)	1.04 **	(0.38)	0.21
Violent crime rate per 1,000	0.75 ***	(0.17)	2.03 *	(0.79)	1.48 ***
Spline: violent crime rate per 1,000	-0.94 ***	(0.21)	-2.86 **	(0.90)	-1.53 ***
Property crime rate per 1,000	-0.56 *	(0.27)	-1.89 ***	(0.57)	-1.39 ***
Spline: property crime rate per 1,000	0.27	(0.32)	0.94	(0.51)	1.19 ***
Child abuse and neglect rate per 1,000	-0.33 *	(0.14)	0.04	(0.16)	0.72 **
Spline: child abuse and neglect rate per 1,000	0.52 **	(0.20)	-0.70 **	(0.24)	-0.57 *
Constant	3.36 ***	(0.27)	1.34 *	(0.53)	0.15
LN(sigma)	-0.96 ***	(0.16)	-2.50 ***	(0.10)	-2.48 ***
Number of observations	691		361		298
Number of clusters	393		241		178
Number of failures	31		29		22
Time at risk	10113		4540		4193
Sigma	0.38		0.08		0.08
Log likelihood	-53.40		22.02		13.95
Chi-square	524.30 ***		—[b]		22708.10 ***

Notes:

Raw coefficients (that is, not exponentiated) presented; robust standard errors in parentheses; internalizing behaviors defined to include diagnoses of de|
anxiety disorders

[a]Model for "mostly in DHA" sample could not be estimated.

[b]An exact model chi-square value could not be estimated for the "currently in DHA" sample.

* p < 0.05; ** p < 0.01; *** p < 0.001

	rs		
	n DHA		Mostly in DHA[a]
	SE	Coeff.	SE
	(0.11)		
	(0.08)		
	(0.08)		
	(0.03)		
	(0.06)		
	(0.12)		
	(0.11)		
	(0.05)		
	(0.15)		
	(0.12)		
	(0.40)		
	(0.05)		
	(0.08)		
	(0.12)		
	(0.10)		
	(0.08)		
	(0.02)		
	(0.07)		
	(0.10)		
	(0.18)		
	(0.22)		
	(0.49)		

(0.44)
(0.15)
(0.21)
(0.27)
(0.39)
(0.32)
(0.53)
(0.23)
(0.36)
(0.25)
(0.41)
(0.10)
(0.20)
(0.28)
(0.28)
(0.30)
(0.32)
(0.23)
(0.22)
(0.40)
(0.19)

pressive disorders, PTSD, and other

Appendix IV-9. Standardized spline logit models predicting childhood behavioral health service use

	Ever in DHA		Currently in DHA		Majority in DHA		Mostly in DHA	
	Coeff.	SE	Coeff.	SE	Coeff.	SE	Coeff.	SE
Predictor measures (all continuous variables reflect standardized values measured at time of onset unless otherwise noted)								
Child characteristics								
Gender and ethnicity of child (omitted=African-American male)								
Latina female	-0.93	(0.58)	-1.31	(1.08)	-1.94	(1.07)	-1.50	(1.25)
Latino male	-1.07 *	(0.51)	-1.33	(0.83)	-2.33 *	(0.92)	-1.52	(1.03)
African-American female	-0.42	(0.46)	-0.77	(0.52)	-1.25	(0.89)	-1.26	(1.03)
First born in family (omitted=no)	-0.93 *	(0.37)	0.05	(0.61)	-0.96	(0.61)	-3.83 *	(1.73)
Caregiver and household characteristics								
Number of siblings in household	-0.41	(0.25)	0.04	(0.28)	-0.46	(0.37)	-0.49	(0.56)
Caregiver reported depressive symptomatology (omitted=no)	0.84	(0.49)	1.60 *	(0.69)	0.66	(1.02)	1.33	(1.24)
Caregiver age	-2.00 ***	(0.58)	-0.74	(0.73)	-2.71 *	(1.06)	-5.38 ***	(1.47)
Caregiver immigrant status (omitted=no)	0.45	(0.61)	0.81	(0.98)	0.57	(1.20)	-1.43	(1.29)
Caregiver history of substance abuse (omitted=no)	-1.22	(0.64)	-0.47	(1.07)	-1.14	(0.96)	-1.47	(1.43)
Caregiver disability status (omitted=not disabled)	1.57 *	(0.65)	1.24	(1.46)	1.92	(1.08)	4.28	(2.77)
Caregiver educational attainment (omitted=no degree)								
High school diploma	0.81	(0.53)	2.01	(1.04)	0.06	(0.82)	0.20	(1.27)
Post–high school technical certificate or college degree	0.55	(0.60)	2.41 *	(1.01)	0.38	(1.13)	0.26	(1.27)
Caregiver married/partnered (omitted=not married/partnered)	1.78 ***	(0.50)	3.69 *	(1.49)	2.03 **	(0.72)	4.19 ***	(1.20)
Natural log of caregiver earnings (in dollars)	0.67	(0.42)	-0.36	(0.49)	0.62	(0.57)	1.00	(0.78)
Caregiver was available to monitor/supervise children full/part time (omitted=not available)	0.73	(0.65)	-0.19	(0.70)	0.93	(1.11)	0.01	(1.88)
Household stressor scale	0.25	(0.23)	0.67	(0.58)	0.57 *	(0.29)	0.19	(0.47)
Household had health insurance (omitted=no)	0.48	(0.47)	0.09	(0.98)	-0.86	(0.77)	1.01	(0.87)
Total number of moves from birth to onset	-0.30	(0.16)	0.35	(0.23)	0.02	(0.26)	-0.76 *	(0.38)
Neighborhood characteristics								
Living in neighborhood with negative peers (omitted=no)	0.32	(0.53)	0.41	(0.70)	-0.89	(1.09)	-2.02	(1.04)
Social capital index	-0.62	(0.47)	0.44	(0.84)	-0.28	(0.85)	-3.31 *	(1.46)
Spline: social capital index	0.70	(0.99)	-1.05	(1.75)	0.67	(1.48)	6.87 *	(2.76)
Social problems index	-1.25 *	(0.60)	-0.55	(1.62)	-0.30	(1.16)	-2.08	(1.47)
Spline: social problems index	2.12 *	(0.89)	0.81	(2.36)	2.01	(1.27)	4.81 *	(2.22)
Social vulnerability score	0.20	(1.02)	2.48	(2.90)	-0.20	(1.36)	-0.04	(2.39)
Spline: social vulnerability score	-1.74	(1.31)	-13.14 **	(4.72)	-2.91	(1.91)	-3.53	(3.15)
Percentage African-American residents	1.09	(1.44)	0.33	(5.49)	1.22	(1.98)	-0.61	(3.04)
Spline: percentage African-American residents	-2.34	(1.78)	-2.52	(6.27)	-3.00	(2.50)	-1.51	(4.16)

	(1)		(2)		(3)		(4)	
Percentage Latino residents	-1.27	(0.65)	-2.50	(1.82)	-1.45	(1.02)	0.14	(2.15)
Spline: percentage Latino residents	2.21 *	(1.05)	2.46	(1.58)	1.81	(1.42)	-0.80	(3.44)
Occupational prestige score	0.43	(0.76)	-0.28	(1.94)	0.46	(1.18)	-2.02	(1.31)
Spline: occupational prestige score	-4.70 ***	(1.27)	-10.76 **	(3.92)	-8.95 **	(2.84)	-9.04 *	(3.77)
Percentage foreign-born residents	-0.38	(0.79)	-1.87	(2.80)	-3.60 **	(1.38)	-0.34	(1.68)
Spline: percentage foreign-born residents	-2.65 **	(1.02)	-1.35	(2.58)	0.34	(1.42)	-9.97 **	(3.14)
Percentage of residents who moved in preceding 12 months	2.56 ***	(0.66)	2.93 *	(1.47)	4.90 *	(1.97)	8.03 ***	(2.01)
Spline: percentage of residents who moved in preceding 12 months	-3.57 ***	(1.03)	-4.15 *	(1.88)	-6.73 *	(3.05)	-9.57 ***	(2.64)
Living in neighborhood with hospitals and clinics (omitted=no)	0.29	(0.51)	0.55	(1.09)	-0.63	(1.16)	-1.02	(1.39)
Resource factor score	-0.45	(0.55)	-1.51	(1.67)	-0.46	(1.08)	1.15	(1.00)
Spline: resource factor score	0.20	(0.92)	0.63	(1.85)	0.66	(1.55)	-4.03 *	(1.94)
Percentage of housing built before 1940	0.81	(0.73)	1.44	(1.30)	1.64	(1.57)	1.82	(1.95)
Spline: percentage of housing built before 1940	-0.38	(1.03)	-1.10	(1.80)	-0.26	(1.94)	0.95	(3.02)
Violent crime rate per 1,000	-1.75 *	(0.88)	-12.29 ***	(3.07)	-3.29	(1.70)	-1.20	(1.63)
Spline: violent crime rate per 1,000	1.80	(1.09)	15.17 ***	(3.93)	2.21	(2.28)	-0.05	(2.55)
Property crime rate per 1,000	-0.01	(0.98)	8.76 ***	(2.54)	2.91	(1.96)	-4.87	(2.74)
Spline: property crime rate per 1,000	0.59	(1.07)	-4.56	(3.17)	-2.29	(2.02)	6.84 *	(3.18)
Child abuse and neglect rate per 1,000	1.56 *	(0.73)	3.39	(2.48)	2.57 *	(1.25)	2.70	(2.06)
Spline: child abuse and neglect rate per 1,000	-1.97 *	(0.95)	-3.37	(2.73)	-3.15 *	(1.56)	-3.56	(2.32)
Neurological hazards index (rescaled by 100)	0.65	(0.63)	2.59	(1.66)	0.75	(1.25)	0.31	(1.58)
Spline: neurological hazards index (rescaled by 100)	-1.16	(0.81)	-5.38 *	(2.28)	-1.61	(1.59)	-1.96	(2.06)
Respiratory hazards index	0.04	(0.39)	-0.73	(0.84)	-0.60	(0.54)	1.17	(1.00)
Spline: respiratory hazards index	0.01	(0.74)	2.18	(2.57)	-0.20	(1.28)	-2.16	(2.36)
Constant	0.20	(1.73)	7.17 *	(2.96)	7.56	(4.13)	4.52	(4.65)
Number of observations	584		368		297		374	
Number of clusters	353		248		190		232	
Log likelihood	-145.00		-69.48		-64.03		-48.72	
Chi-square	85.03 **		132.10 ***		168.90 ***		167.10 ***	
Pseudo-R^2	0.44		0.67		0.59		0.65	

Notes:

Raw coefficients (that is, not exponentiated) are presented; robust standard errors in parentheses.

* $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$

Appendix IV-10. Standardized spline Cox models predicting hazard of childhood behavioral health service use

	Ever in DHA		Currently in DHA		Majority in DHA		Mostly in DHA	
	Coeff.	SE	Coeff.	SE	Coeff.	SE	Coeff.	SE
Predictor measures (all continuous variables reflect standardized values measured at time of onset unless otherwise noted)								
Child characteristics								
Gender and ethnicity of child (omitted=African-American male)								
Latina female	-0.96 *	(0.47)	-0.56	(0.54)	-1.41 **	(0.52)	-1.85 *	(0.80)
Latino male	-0.93	(0.50)	-0.47	(0.52)	-1.72 *	(0.73)	-1.09	(0.77)
African-American female	-0.30	(0.40)	-0.56	(0.39)	-0.37	(0.57)	-0.34	(0.98)
First born in family (omitted=no)	-1.01 ***	(0.25)	-0.69 *	(0.31)	-1.17 **	(0.39)	-1.94 ***	(0.54)
Caregiver and household characteristics								
Number of siblings in household	-0.21	(0.16)	-0.23	(0.17)	-0.16	(0.25)	-0.12	(0.34)
Caregiver reported depressive symptomatology (omitted=no)	0.42	(0.41)	0.94 *	(0.45)	-0.18	(0.62)	0.81	(0.77)
Caregiver age	-1.90 ***	(0.34)	-0.86 **	(0.27)	-2.09 ***	(0.44)	-3.33 ***	(0.62)
Caregiver immigrant status (omitted=no)	0.46	(0.43)	0.08	(0.53)	0.35	(0.63)	-0.18	(0.59)
Caregiver history of substance abuse (omitted=no)	-0.53	(0.57)	-0.77	(0.72)	-0.14	(0.51)	-0.25	(1.26)
Caregiver disability status (omitted=not disabled)	0.83	(0.51)	0.94	(0.48)	1.44 *	(0.67)	0.73	(0.93)
Caregiver educational attainment (omitted=no degree)								
High school diploma	0.61	(0.41)	1.27 *	(0.58)	-0.35	(0.72)	-0.05	(0.58)
Post–high school technical certificate or college degree	0.63	(0.47)	1.26	(0.69)	-0.16	(0.79)	-0.11	(1.07)
Caregiver married/partnered (omitted=not married/partnered)	1.00 **	(0.36)	0.61	(0.37)	0.81	(0.51)	0.37	(1.11)
Natural log of caregiver earnings (in dollars)	0.41	(0.32)	-0.05	(0.34)	0.29	(0.56)	0.72	(0.50)
Caregiver was available to monitor/supervise children full/part time (omitted=not available)	0.69	(0.59)	0.06	(0.61)	0.73	(1.01)	1.60	(1.23)
Household stressor scale	0.24	(0.19)	0.36	(0.23)	0.56 *	(0.24)	0.37	(0.34)
Household had health insurance (omitted=no)	0.29	(0.40)	0.41	(0.53)	-0.59	(0.48)	0.45	(0.98)
Total number of moves from birth to onset	-0.38 *	(0.16)	-0.12	(0.14)	-0.28	(0.17)	-0.61 *	(0.30)
Neighborhood characteristics								
Living in neighborhood with negative peers (omitted=no)	0.07	(0.42)	0.14	(0.47)	-1.11	(0.81)	-1.95 *	(0.89)
Social capital index	-0.26	(0.33)	0.09	(0.53)	-0.12	(0.55)	-0.59	(0.73)
Spline: social capital index	0.03	(0.65)	-0.24	(0.92)	0.18	(0.86)	1.64	(1.58)
Social problems index	-0.68	(0.44)	0.52	(0.64)	-0.14	(0.49)	-0.50	(0.71)
Spline: social problems index	1.04	(0.62)	-1.10	(0.93)	0.93	(0.66)	1.57	(1.34)
Social vulnerability score	0.07	(0.84)	0.14	(1.25)	-0.10	(1.42)	-0.45	(1.71)
Spline: social vulnerability score	-0.36	(0.86)	-1.61	(1.10)	-2.30	(1.97)	-3.33	(1.87)
Percentage African-American residents	0.36	(1.08)	1.81	(1.67)	1.31	(1.24)	3.00	(2.79)
Spline: percentage African-American residents	-1.10	(1.23)	-2.59	(1.95)	-2.02	(1.39)	-4.85	(4.10)

	(1)		(2)		(3)		(4)	
Percentage Latino residents	-1.14 *	(0.49)	-0.70	(0.51)	-0.17	(0.54)	1.77	(1.45)
Spline: percentage Latino residents	2.09 *	(0.84)	1.31	(1.06)	2.55 *	(1.25)	0.01	(2.23)
Occupational prestige score	0.33	(0.65)	-0.60	(0.95)	-0.44	(0.75)	-0.05	(1.17)
Spline: occupational prestige score	-3.30 **	(1.20)	-3.02	(1.55)	-3.07 **	(1.15)	-5.87 **	(2.15)
Percentage foreign-born residents	-0.21	(0.56)	-1.25	(0.96)	-2.85 **	(0.96)	-2.40 *	(1.15)
Spline: percentage foreign-born residents	-1.84 *	(0.84)	0.29	(1.31)	-0.45	(1.53)	-2.92	(1.75)
Percentage of residents who moved in preceding 12 months	1.97 ***	(0.49)	1.93 **	(0.63)	2.81 ***	(0.79)	5.25 ***	(1.56)
Spline: percentage of residents who moved in preceding 12 months	-2.65 ***	(0.76)	-2.96 **	(1.05)	-3.43 **	(1.05)	-5.91 **	(2.13)
Living in neighborhood with hospitals and clinics (omitted=no)	0.93	(0.49)	0.25	(0.52)	1.53	(0.82)	0.60	(1.38)
Resource factor score	-1.09 *	(0.46)	-0.35	(0.71)	-1.06	(1.17)	0.15	(1.12)
Spline: resource factor score	1.27	(0.80)	0.67	(0.94)	0.88	(1.62)	-0.93	(1.90)
Percentage of housing built before 1940	0.55	(0.57)	0.40	(0.58)	-0.21	(0.92)	1.68	(1.19)
Spline: percentage of housing built before 1940	-0.27	(0.87)	-0.38	(0.99)	0.93	(1.40)	-0.47	(1.75)
Violent crime rate per 1,000	-1.03	(0.62)	-3.05 ***	(0.91)	-1.04	(1.08)	-0.44	(1.14)
Spline: violent crime rate per 1,000	0.61	(0.71)	2.14 *	(1.06)	0.32	(1.35)	0.66	(1.62)
Property crime rate per 1,000	-0.72	(0.79)	1.38	(0.93)	0.33	(1.05)	-3.63 *	(1.57)
Spline: property crime rate per 1,000	0.92	(0.86)	-0.67	(0.95)	-0.22	(1.14)	4.49 *	(1.84)
Child abuse and neglect rate per 1,000	1.26 *	(0.60)	1.46 *	(0.69)	1.81 **	(0.69)	0.70	(1.04)
Spline: child abuse and neglect rate per 1,000	-1.17	(0.76)	-1.45	(0.89)	-1.45	(0.92)	-0.37	(1.93)
Neurological hazards index (rescaled by 100)	0.45	(0.45)	0.86	(0.63)	0.20	(0.63)	-0.29	(1.04)
Spline: neurological hazards index (rescaled by 100)	-0.55	(0.64)	-0.88	(0.90)	-0.02	(1.10)	-0.20	(1.46)
Respiratory hazards index	0.06	(0.31)	-0.39	(0.33)	-0.31	(0.36)	0.22	(0.49)
Spline: respiratory hazards index	-0.37	(0.65)	0.41	(0.72)	-0.34	(0.79)	-1.50	(1.24)
Number of observations	584		368		297		374	
Number of clusters	353		248		190		232	
Number of failures	94		94		66		46	
Time at risk	7972		4399		3841		5203	
Log likelihood	-440.30		-385.40		-256.90		-163.70	
Chi-square	248.00 ***		376.90 ***		424.20 ***		401.90 ***	

Notes:

Raw coefficients (that is, not exponentiated) are presented; robust standard errors in parentheses.

* p < 0.05; ** p < 0.01; *** p < 0.001

Appendix V-1. Standardized spline logit models predicting witnessing neighborhood violence during childhood

	Ever in DHA		Currently in DHA		Majority in DHA		Mostly in DHA	
	Coeff.	SE	Coeff.	SE	Coeff.	SE	Coeff.	SE
Predictor measures (all continuous variables reflect standardized values measured at time of first occurrence unless otherwise noted)								
Child characteristics								
Gender and ethnicity of child (omitted=African-American male)								
Latina female	-0.49	(0.44)	-0.79	(0.57)	-0.86	(0.65)	-0.36	(1.15)
Latino male	-0.49	(0.44)	-0.44	(0.51)	-1.07	(0.61)	-0.06	(1.15)
African-American female	0.02	(0.45)	-0.78	(0.57)	-0.63	(0.53)	0.19	(1.06)
First born in family (omitted=no)	-0.27	(0.24)	0.12	(0.35)	-0.42	(0.37)	-0.89	(0.52)
Caregiver and household characteristics								
Number of siblings in household	-0.27	(0.16)	-0.40	(0.20)	-0.38	(0.22)	-0.97 **	(0.32)
Caregiver reported depressive symptomatology (omitted=no)	0.63	(0.45)	0.20	(0.45)	-0.51	(0.45)	0.59	(1.01)
Caregiver age	-1.36 ***	(0.27)	-0.89 ***	(0.24)	-1.42 ***	(0.32)	-2.14 ***	(0.37)
Caregiver immigrant status (omitted=no)	0.50	(0.46)	0.39	(0.55)	0.76	(0.53)	0.45	(0.81)
Caregiver history of substance abuse (omitted=no)	-0.58	(0.43)	-0.47	(0.50)	-0.27	(0.54)	-0.39	(1.05)
Caregiver educational attainment (omitted=no degree)								
High school diploma	0.08	(0.37)	0.42	(0.46)	0.04	(0.44)	0.12	(0.64)
Post–high school technical certificate or college degree	0.15	(0.41)	-0.50	(0.54)	-0.07	(0.56)	1.46	(0.77)
Caregiver married/partnered (omitted=not married/partnered)	0.41	(0.33)	1.07 *	(0.47)	0.67	(0.53)	-0.17	(0.66)
Natural log of caregiver earnings (in dollars)	0.29	(0.28)	0.53	(0.37)	0.63	(0.37)	1.31 **	(0.41)
Caregiver was available to monitor/supervise children full/part time (omitted=not available)	0.34	(0.56)	0.49	(0.76)	0.87	(0.80)	1.79 *	(0.86)
Household stressor scale	0.23	(0.13)	0.38	(0.20)	0.58 **	(0.18)	0.29	(0.22)
Household had health insurance (omitted=no)	0.20	(0.37)	0.82	(0.49)	0.38	(0.49)	-0.11	(0.68)
Total number of moves from birth to first occurrence	-0.14	(0.14)	0.03	(0.21)	-0.12	(0.16)	-0.97 **	(0.36)
Neighborhood characteristics								
Living in neighborhood with negative peers (omitted=no)	0.57	(0.36)	0.68	(0.53)	0.21	(0.61)	1.93 **	(0.70)
Social capital index	-0.26	(0.24)	-0.13	(0.35)	0.30	(0.39)	0.32	(0.56)
Spline: social capital index	0.66	(0.51)	0.30	(0.71)	-0.54	(0.73)	0.27	(1.13)
Social problems index	0.64	(0.46)	0.08	(0.58)	0.79	(0.69)	0.33	(0.99)
Spline: social problems index	0.18	(0.64)	0.94	(0.87)	0.27	(0.86)	0.17	(1.21)
Social vulnerability score	1.38	(0.82)	3.55 *	(1.39)	0.34	(1.15)	1.69	(1.23)
Spline: social vulnerability score	-1.64	(1.49)	-13.51 ***	(3.99)	-7.06 *	(3.04)	-2.51	(1.76)
Percentage African-American residents	-1.73	(1.14)	-2.54	(1.96)	-2.25	(1.87)	-2.28	(2.79)
Spline: percentage African-American residents	1.44	(1.36)	0.72	(2.34)	1.66	(2.18)	2.60	(3.32)
Percentage Latino residents	-2.57 ***	(0.67)	-4.75 ***	(1.28)	-3.11 ***	(0.93)	-1.99	(1.06)
Spline: percentage Latino residents	2.07 *	(0.83)	2.28	(1.68)	0.61	(1.26)	1.08	(1.47)
Occupational prestige score	-0.40	(0.55)	1.50	(1.27)	-0.59	(0.91)	-0.53	(1.08)

	(1)		(2)		(3)		(4)	
Spline: occupational prestige score	-2.20 *	(0.87)	-9.07 ***	(2.19)	-5.30 ***	(1.34)	-2.52	(1.93)
Percentage foreign-born residents	1.39 *	(0.69)	1.86	(1.55)	0.03	(1.28)	0.03	(1.08)
Spline: percentage foreign-born residents	-1.80 *	(0.89)	-2.41	(1.80)	0.17	(1.47)	0.01	(1.31)
Percentage of residents who moved in preceding 12 months	-1.26 *	(0.53)	-1.29	(0.92)	-0.91	(0.94)	-1.23	(0.96)
Spline: percentage of residents who moved in preceding 12 months	1.67 *	(0.81)	2.22	(1.39)	1.94	(1.45)	2.21	(1.36)
Resource factor score	0.06	(0.50)	1.07	(0.63)	0.68	(0.66)	0.76	(1.00)
Spline: resource factor score	0.48	(0.74)	-1.42	(0.96)	0.08	(1.05)	-0.66	(1.59)
Percentage of housing built before 1940	1.36 *	(0.59)	4.09 ***	(0.99)	4.12 ***	(1.03)	3.28 **	(1.08)
Spline: percentage of housing built before 1940	-1.08	(0.86)	-3.68 *	(1.49)	-3.82 **	(1.42)	-3.92 *	(1.54)
Violent crime rate per 1,000	-3.77 ***	(0.77)	-8.62 ***	(1.82)	-7.08 ***	(1.54)	-5.24 ***	(1.51)
Spline: violent crime rate per 1,000	4.31 ***	(1.27)	17.60 ***	(3.50)	12.49 ***	(2.61)	5.27 **	(1.60)
Property crime rate per 1,000	3.54 ***	(0.74)	8.91 ***	(1.96)	8.14 ***	(1.79)	4.42 **	(1.35)
Spline: property crime rate per 1,000	-1.69	(0.93)	0.53	(2.71)	-4.81 *	(1.94)	-2.57	(1.64)
Child abuse and neglect rate per 1,000	-0.49	(0.60)	-0.40	(0.95)	-0.27	(0.68)	0.23	(1.29)
Spline: child abuse and neglect rate per 1,000	-0.24	(0.71)	-3.22 *	(1.31)	-0.15	(0.85)	-0.54	(1.48)
Constant	-2.04	(1.09)	5.25 *	(2.55)	2.63	(1.63)	-3.50 *	(1.77)
Number of observations	781		630		520		334	
Number of clusters	404		333		290		187	
Log likelihood	-276.40		-160.10		-146.30		-83.01	
Chi-square	179.70 ***		157.10 ***		110.30 ***		107.90 ***	
Pseudo-R^2	0.46		0.63		0.59		0.58	

Notes:

Raw coefficients (that is, not exponentiated) are presented; robust standard errors in parentheses.

* $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$

Appendix V-2. Standardized spline AFT frailty models predicting timing of witnessing neighborhood violence during childhood

	Ever in DHA		Currently in DHA		Majority in DHA		Mostly in DHA	
	Coeff.	SE	Coeff.	SE	Coeff.	SE	Coeff.	SE
Predictor measures (all continuous variables reflect standardized values measured at time of first occurrence unless otherwise noted)								
Child characteristics								
Gender and ethnicity of child (omitted=African-American male)								
Latina female	0.05	(0.08)	0.10	(0.09)	0.06	(0.09)	0.11	(0.09)
Latino male	0.09	(0.09)	0.14	(0.09)	0.16	(0.10)	0.06	(0.09)
African-American female	-0.05	(0.08)	-0.02	(0.09)	-0.13	(0.09)	-0.06	(0.08)
First born in family (omitted=no)	0.30 ***	(0.05)	0.35 ***	(0.05)	0.25 ***	(0.06)	0.21 ***	(0.05)
Caregiver and household characteristics								
Number of siblings in household	0.08 *	(0.03)	0.08 *	(0.04)	0.05	(0.04)	0.11 ***	(0.03)
Caregiver reported depressive symptomatology (omitted=no)	-0.16 *	(0.08)	-0.13	(0.08)	-0.03	(0.08)	0.01	(0.07)
Caregiver age	0.52 ***	(0.05)	0.43 ***	(0.05)	0.44 ***	(0.04)	0.38 ***	(0.04)
Caregiver immigrant status (omitted=no)	-0.16	(0.11)	-0.09	(0.12)	-0.12	(0.11)	-0.07	(0.08)
Caregiver history of substance abuse (omitted=no)	0.07	(0.08)	0.00	(0.12)	0.02	(0.09)	0.04	(0.07)
Caregiver educational attainment (omitted=no degree)								
High school diploma	-0.13	(0.07)	-0.25 ***	(0.08)	-0.08	(0.08)	-0.11	(0.07)
Post–high school technical certificate or college degree	-0.11	(0.08)	-0.18	(0.11)	-0.01	(0.09)	-0.24 ***	(0.07)
Caregiver married/partnered (omitted=not married/partnered)	-0.01	(0.06)	-0.09	(0.07)	-0.03	(0.07)	-0.01	(0.06)
Natural log of caregiver earnings (in dollars)	2.00E-03	(0.06)	-0.04	(0.08)	0.01	(0.07)	-0.09	(0.05)
Caregiver was available to monitor/supervise children full/part time (omitted=not available)	-0.04	(0.12)	-0.10	(0.17)	-0.04	(0.14)	-0.17	(0.09)
Household stressor scale	-0.04	(0.03)	-0.04	(0.03)	-0.07 *	(0.03)	-0.02	(0.02)
Household had health insurance (omitted=no)	-0.21 **	(0.08)	-0.18 *	(0.08)	-0.19 *	(0.08)	-0.09	(0.06)
Total number of moves from birth to first occurrence	0.26 ***	(0.04)	0.25 ***	(0.03)	0.26 ***	(0.03)	0.14 ***	(0.03)
Neighborhood characteristics								
Living in neighborhood with negative peers (omitted=no)	4.00E-03	(0.08)	0.03	(0.10)	0.13	(0.09)	-0.15 *	(0.07)
Social capital index	0.03	(0.05)	-0.05	(0.06)	-0.01	(0.06)	-0.05	(0.06)
Spline: social capital index	-0.06	(0.11)	0.22	(0.13)	0.07	(0.12)	0.13	(0.12)
Social problems index	-0.33 **	(0.10)	-0.31 **	(0.12)	-0.31 **	(0.10)	-0.10	(0.11)
Spline: social problems index	0.24	(0.13)	0.24	(0.17)	0.24	(0.14)	0.10	(0.12)
Social vulnerability score	-0.30	(0.18)	-0.42	(0.26)	-0.03	(0.19)	-0.10	(0.14)
Spline: social vulnerability score	0.18	(0.23)	0.17	(0.34)	0.03	(0.25)	0.12	(0.19)
Percentage African-American residents	0.26	(0.20)	0.34	(0.23)	0.14	(0.23)	0.22	(0.23)
Spline: percentage African-American residents	-0.13	(0.23)	-0.16	(0.27)	-0.04	(0.27)	-0.14	(0.27)
Percentage Latino residents	0.46 ***	(0.12)	0.52 ***	(0.14)	0.29 *	(0.14)	0.26 *	(0.12)
Spline: percentage Latino residents	-0.37 *	(0.18)	-0.51 **	(0.19)	-0.20	(0.20)	-0.08	(0.16)
Occupational prestige score	0.03	(0.10)	-0.18	(0.11)	0.03	(0.11)	-0.02	(0.09)

Spline: occupational prestige score	0.37 *	(0.15)	0.79 ***	(0.18)	0.43 *	(0.17)	0.39 **	(0.14)
Percentage foreign-born residents	-0.16	(0.15)	-0.13	(0.18)	0.04	(0.14)	0.15	(0.11)
Spline: percentage foreign-born residents	0.29	(0.17)	0.32	(0.22)	0.07	(0.18)	-0.18	(0.15)
Percentage of residents who moved in preceding 12 months	0.22	(0.13)	0.10	(0.15)	-0.02	(0.14)	0.09	(0.09)
Spline: percentage of residents who moved in preceding 12 months	-0.31	(0.19)	-0.03	(0.22)	-0.03	(0.21)	-0.21	(0.13)
Resource factor score	-0.02	(0.08)	-0.02	(0.08)	-0.07	(0.08)	-0.04	(0.06)
Spline: resource factor score	-0.06	(0.14)	-0.07	(0.15)	0.00	(0.15)	0.10	(0.12)
Percentage of housing built before 1940	0.06	(0.13)	-0.11	(0.16)	-0.06	(0.15)	-0.27 *	(0.11)
Spline: percentage of housing built before 1940	-0.15	(0.20)	0.14	(0.23)	0.01	(0.22)	0.40 **	(0.15)
Violent crime rate per 1,000	0.23	(0.14)	0.34 *	(0.17)	0.19	(0.14)	0.18	(0.13)
Spline: violent crime rate per 1,000	-0.19	(0.15)	-0.30	(0.18)	-0.11	(0.16)	-0.12	(0.13)
Property crime rate per 1,000	-0.42 **	(0.14)	-0.43 *	(0.17)	-0.43 **	(0.16)	-0.40 ***	(0.12)
Spline: property crime rate per 1,000	0.33	(0.17)	0.39	(0.20)	0.39 *	(0.19)	0.37 **	(0.14)
Child abuse and neglect rate per 1,000	-0.03	(0.10)	-0.02	(0.11)	-0.05	(0.11)	-0.06	(0.10)
Spline: child abuse and neglect rate per 1,000	0.13	(0.12)	0.12	(0.16)	0.13	(0.13)	0.09	(0.11)
Constant	2.74 ***	(0.21)	1.97 ***	(0.27)	1.99 ***	(0.24)	2.76 ***	(0.19)
LN(sigma)	-0.80 ***	(0.05)	-0.69 ***	(0.05)	-0.87 ***	(0.05)	-1.43 ***	(0.08)
Number of observations	781		630		520		334	
Number of clusters	404		333		290		187	
Number of failures	290		309		237		93	
Time at risk	8009		5227		4405		4360	
Sigma	0.45		0.50		0.42		0.24	
Log likelihood	-298.90		-312.50		-200.80		-45.00	
Chi-square	640.00 ***		523.70 ***		645.30 ***		589.90 ***	

Notes:

Raw coefficients (that is, not exponentiated) are presented; robust standard errors in parentheses.

* p < 0.05; ** p < 0.01; *** p < 0.001

Appendix D-V-3. Standardized spline logit models predicting ever being victimized in neighborhood during childhood

	Ever in DHA		Currently in DHA		Majority in DHA		Mostly in DHA	
	Coeff.	SE	Coeff.	SE	Coeff.	SE	Coeff.	SE
Predictor measures (all continuous variables reflect standardized values measured at time of first occurrence unless otherwise noted)								
Child characteristics								
Gender and ethnicity of child (omitted=African-American male)								
Latina female	-1.79 ***	(0.43)	-2.65 ***	(0.71)	-3.04 ***	(0.58)	-2.44 ***	(0.66)
Latino male	-0.72	(0.42)	-0.14	(0.54)	-1.04	(0.58)	-0.83	(0.77)
African-American female	-1.39 ***	(0.42)	-2.17 **	(0.71)	-1.83 *	(0.75)	-1.61	(0.83)
First born in family (omitted=no)	-0.04	(0.29)	0.98 *	(0.48)	-0.34	(0.52)	-0.68	(0.65)
Caregiver and household characteristics								
Number of siblings in household	-0.16	(0.22)	-0.11	(0.28)	-0.19	(0.26)	-0.12	(0.32)
Caregiver reported depressive symptomatology (omitted=no)	-0.44	(0.43)	-0.66	(0.65)	-1.63	(0.87)	-0.49	(1.19)
Caregiver age	-1.65 ***	(0.34)	-0.75 **	(0.24)	-1.56 ***	(0.45)	-1.51 ***	(0.43)
Caregiver immigrant status (omitted=no)	0.91	(0.61)	0.50	(1.08)	1.00	(0.72)	1.24	(0.75)
Caregiver history of substance abuse (omitted=no)	-0.60	(0.53)	-0.28	(0.64)	-0.42	(0.86)	-0.25	(1.24)
Caregiver educational attainment (omitted=no degree)								
High school diploma	0.53	(0.38)	0.04	(0.66)	0.48	(0.65)	1.54 *	(0.70)
Post–high school technical certificate or college degree	0.34	(0.44)	0.14	(0.68)	0.54	(0.69)	1.95 *	(0.79)
Married/partnered (omitted=not married/partnered)	0.55	(0.33)	0.70	(0.56)	0.11	(0.57)	0.57	(0.54)
Natural log of caregiver earnings (in dollars)	0.24	(0.30)	0.54	(0.56)	0.28	(0.62)	-0.60	(0.39)
Caregiver was available to monitor/supervise children full/part time (omitted=not available)	-0.30	(0.56)	0.11	(1.08)	0.00	(1.19)	-1.75 *	(0.82)
Household stressor scale	0.33 *	(0.14)	0.08	(0.24)	0.43 *	(0.21)	0.59 *	(0.29)
Household had health insurance (omitted=no)	0.38	(0.38)	2.04 **	(0.67)	0.93	(0.55)	0.29	(0.66)
Total number of moves from birth to first occurrence	0.32 *	(0.16)	0.71 ***	(0.22)	0.67 **	(0.22)	0.06	(0.36)
Neighborhood characteristics								
Living in neighborhood with negative peers (omitted=no)	1.10 *	(0.50)	1.69	(0.90)	0.72	(0.93)	0.72	(0.88)
Social capital index	0.27	(0.28)	0.20	(0.54)	0.57	(0.45)	0.49	(0.54)
Spline: social capital index	-0.69	(0.54)	-0.79	(1.06)	-1.34	(0.93)	-1.29	(1.07)
Social problems index	0.35	(0.60)	-0.59	(0.89)	0.67	(1.06)	1.31	(1.23)
Spline: social problems index	0.38	(0.76)	1.74	(1.22)	0.35	(1.37)	-0.71	(1.39)
Social vulnerability score	1.68	(0.95)	2.91	(2.02)	2.02	(1.22)	1.33	(1.43)
Spline: social vulnerability score	-2.99 *	(1.27)	-19.50 **	(6.77)	-4.90 *	(2.18)	-0.06	(1.76)
Percentage African-American residents	0.30	(1.19)	2.23	(2.41)	-1.95	(1.66)	0.90	(2.06)
Spline: percentage African-American residents	-0.64	(1.48)	-3.86	(3.52)	2.21	(2.02)	-0.97	(2.61)
Percentage Latino residents	-1.50 *	(0.60)	-4.00 ***	(1.02)	-0.20	(1.36)	-1.55 *	(0.77)
Spline: percentage Latino residents	2.54 *	(1.10)	2.06	(1.43)	0.08	(2.10)	3.04 *	(1.44)
Occupational prestige score	0.19	(0.63)	0.18	(1.04)	1.75	(1.05)	2.09 *	(0.99)
Spline: occupational prestige score	-3.03 **	(1.13)	-11.84 ***	(2.42)	-6.88 ***	(1.71)	-4.97 **	(1.80)

	(1)		(2)		(3)		(4)	
Percentage foreign-born residents	-0.19	(0.75)	-1.18	(2.04)	-3.31	(1.79)	-0.11	(0.85)
Spline: percentage foreign-born residents	-0.86	(1.12)	0.71	(3.23)	3.63	(2.36)	-0.06	(1.16)
Percentage of residents who moved in preceding 12 months	1.03	(0.57)	1.77 *	(0.81)	1.75 *	(0.85)	0.36	(0.92)
Spline: percentage of residents who moved in preceding 12 months	-1.27	(0.87)	-1.71	(1.10)	-2.43	(1.36)	-0.50	(1.21)
Resource factor score	0.02	(0.44)	0.84	(0.57)	-0.11	(0.60)	0.42	(0.49)
Spline: resource factor score	-0.71	(0.76)	-2.44 **	(0.91)	-0.81	(1.06)	-0.83	(1.12)
Percentage of housing built before 1940	1.84 *	(0.73)	6.15 ***	(1.40)	1.38	(1.38)	2.01	(1.21)
Spline: percentage of housing built before 1940	-2.09 *	(1.01)	-5.96 ***	(1.71)	-0.47	(2.11)	-1.95	(1.58)
Violent crime rate per 1,000	-4.75 ***	(0.98)	-12.21 ***	(3.06)	-5.82 ***	(1.65)	-6.07 ***	(1.68)
Spline: violent crime rate per 1,000	5.32 ***	(1.07)	21.37 ***	(5.77)	6.41 ***	(1.67)	5.04 **	(1.61)
Property crime rate per 1,000	2.82 **	(0.88)	8.56 ***	(1.86)	3.91 **	(1.42)	2.66	(1.68)
Spline: property crime rate per 1,000	-1.15	(0.92)	4.61	(4.00)	-1.69	(1.73)	-1.33	(1.85)
Child abuse and neglect rate per 1,000	-0.58	(0.64)	0.87	(1.74)	1.27	(1.53)	2.01	(1.27)
Spline: child abuse and neglect rate per 1,000	-0.07	(0.76)	-6.55 *	(3.06)	-1.72	(1.51)	-2.56	(1.33)
Constant	-1.38	(1.15)	4.47	(4.05)	-0.31	(1.95)	-1.26	(1.73)
Number of observations	932		629		536		478	
Number of clusters	457		331		294		251	
Log likelihood	-188.00		-86.61		-94.02		-77.51	
Chi-square	181.30 ***		157.20 ***		202.00 ***		132.60 ***	
Pseudo-R^2	0.43		0.67		0.56		0.50	

Notes:

Raw coefficients (that is, not exponentiated) presented; robust standard errors in parentheses.

* $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$

Appendix D-V-4. Standardized spline AFT frailty models predicting timing of neighborhood victimization during childhood

	Ever in DHA		Currently in DHA		Majority in DHA		Mostly in DHA	
	Coeff.	SE	Coeff.	SE	Coeff.	SE	Coeff.	SE
Predictor measures (all continuous variables reflect standardized values measured at time of first occurrence unless otherwise noted)								
Child characteristics								
Gender and ethnicity of child (omitted=African-American male)								
Latina female	0.37 ***	(0.10)	0.43 ***	(0.11)	0.53 ***	(0.12)	0.30 **	(0.10)
Latino male	0.15	(0.09)	0.14	(0.09)	0.30 **	(0.11)	0.15	(0.10)
African-American female	0.23 *	(0.10)	0.28 *	(0.11)	0.35 *	(0.14)	0.18	(0.11)
First born in family (omitted=no)	0.20 ***	(0.06)	0.15 *	(0.06)	0.25 ***	(0.07)	0.18 *	(0.07)
Caregiver and household characteristics								
Number of siblings in household	0.10 *	(0.04)	0.10 *	(0.04)	0.12 **	(0.05)	0.05	(0.04)
Caregiver reported depressive symptomatology (omitted=no)	0.05	(0.08)	0.04	(0.08)	0.13	(0.09)	0.05	(0.11)
Caregiver age	0.55 ***	(0.06)	0.36 ***	(0.06)	0.51 ***	(0.07)	0.30 ***	(0.04)
Caregiver immigrant status (omitted=no)	-0.23	(0.12)	-0.14	(0.12)	-0.16	(0.14)	-0.14	(0.09)
Caregiver history of substance abuse (omitted=no)	0.10	(0.10)	0.14	(0.10)	0.02	(0.11)	-2.00E-03	(0.12)
Caregiver educational attainment (omitted=no degree)								
High school diploma	-0.14	(0.08)	-0.05	(0.09)	-0.12	(0.10)	-0.20 *	(0.08)
Post–high school technical certificate or college degree	-0.09	(0.09)	-0.01	(0.09)	-0.14	(0.11)	-0.29 ***	(0.08)
Married/partnered (omitted=not married/partnered)	-0.06	(0.07)	-0.06	(0.08)	0.03	(0.08)	-0.01	(0.06)
Natural log of caregiver earnings (in dollars)	-0.03	(0.08)	-0.06	(0.08)	-0.06	(0.09)	0.11 *	(0.06)
Caregiver was available to monitor/supervise children full/part time (omitted=not available)	0.08	(0.15)	0.06	(0.15)	0.04	(0.18)	0.21	(0.12)
Household stressor scale	-0.04	(0.03)	-0.01	(0.03)	-0.05	(0.03)	-0.04	(0.03)
Household had health insurance (omitted=no)	-0.07	(0.08)	-0.23 *	(0.09)	-0.18	(0.10)	0.03	(0.07)
Total number of moves from birth to first occurrence	0.11 **	(0.03)	0.11 ***	(0.03)	0.10 **	(0.04)	0.08	(0.04)
Neighborhood characteristics								
Living in neighborhood with negative peers (omitted=no)	-0.17	(0.10)	0.02	(0.12)	0.07	(0.14)	-0.15	(0.12)
Social capital index	-0.10	(0.06)	-0.11	(0.08)	-0.17 *	(0.08)	-0.07	(0.07)
Spline: social capital index	0.23	(0.12)	0.27 *	(0.13)	0.36 *	(0.16)	0.20	(0.15)
Social problems index	-0.12	(0.12)	-0.24	(0.13)	-0.26	(0.16)	-0.15	(0.13)
Spline: social problems index	0.04	(0.16)	0.21	(0.19)	0.21	(0.21)	0.10	(0.16)
Social vulnerability score	-0.29	(0.17)	-0.07	(0.23)	-0.23	(0.24)	-0.03	(0.14)
Spline: social vulnerability score	0.29	(0.25)	-0.04	(0.39)	0.47	(0.35)	-0.04	(0.22)
Percentage African-American residents	-0.15	(0.21)	-0.26	(0.30)	-0.01	(0.26)	-0.08	(0.23)
Spline: percentage African-American residents	0.27	(0.24)	0.48	(0.34)	0.16	(0.30)	0.14	(0.28)
Percentage Latino residents	0.21	(0.12)	0.34 *	(0.16)	0.10	(0.18)	0.15	(0.09)
Spline: percentage Latino residents	-0.27	(0.18)	-0.27	(0.24)	0.13	(0.23)	-0.22	(0.13)
Occupational prestige score	-0.01	(0.10)	0.03	(0.14)	-0.14	(0.14)	-0.23 *	(0.09)
Spline: occupational prestige score	0.41 *	(0.17)	0.78 ***	(0.23)	0.71 ***	(0.21)	0.50 ***	(0.14)
Percentage foreign-born residents	0.11	(0.15)	0.03	(0.21)	0.25	(0.19)	0.04	(0.11)

	(1)		(2)		(3)		(4)	
Spline: percentage foreign-born residents	0.07	(0.21)	0.14	(0.29)	-0.23	(0.27)	-0.09	(0.15)
Percentage of residents who moved in preceding 12 months	-0.06	(0.08)	-0.09	(0.09)	-0.23 *	(0.10)	-0.13	(0.08)
Spline: percentage of residents who moved in preceding 12 months	0.12	(0.13)	0.27	(0.14)	0.48 **	(0.18)	0.22	(0.12)
Resource factor score	0.03	(0.08)	0.01	(0.10)	0.13	(0.10)	0.07	(0.07)
Spline: resource factor score	0.10	(0.15)	0.05	(0.16)	0.03	(0.17)	-0.12	(0.13)
Percentage of housing built before 1940	-0.12	(0.13)	-0.24	(0.14)	-0.13	(0.17)	-0.21 *	(0.10)
Spline: percentage of housing built before 1940	0.10	(0.20)	0.18	(0.21)	0.08	(0.26)	0.24	(0.14)
Violent crime rate per 1,000	0.54 **	(0.17)	0.74 *	(0.29)	0.46 *	(0.20)	0.51 ***	(0.12)
Spline: violent crime rate per 1,000	-0.50 **	(0.17)	-0.63 *	(0.29)	-0.52 *	(0.22)	-0.42 ***	(0.12)
Property crime rate per 1,000	-0.47 **	(0.17)	-0.77 **	(0.24)	-0.32	(0.23)	-0.17	(0.17)
Spline: property crime rate per 1,000	0.37 *	(0.18)	0.69 *	(0.27)	0.11	(0.25)	0.01	(0.18)
Child abuse and neglect rate per 1,000	-0.06	(0.13)	-0.10	(0.16)	-0.31	(0.18)	-0.31 **	(0.12)
Spline: child abuse and neglect rate per 1,000	0.18	(0.16)	0.18	(0.19)	0.44 *	(0.20)	0.35 **	(0.12)
Constant	2.61 ***	(0.24)	1.89 ***	(0.34)	1.77 ***	(0.31)	2.76 ***	(0.21)
LN(sigma)	-0.91 ***	(0.08)	-1.00 ***	(0.08)	-1.04 ***	(0.09)	-1.34 ***	(0.11)
Number of observations	932		629		536		478	
Number of clusters	457		331		294		251	
Number of failures	105		94		73		47	
Time at risk	10999		6092		5350		6664	
Sigma	0.40		0.37		0.36		0.26	
Log likelihood	-148.80		-98.04		-75.71		-48.18	
Chi-square	390.30 ***		279.40 ***		405.90 ***		764.10 ***	

Notes:

Raw coefficients (that is, not exponentiated) are presented; robust standard errors in parentheses.

* $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$

Appendix D-V-5. Standardized spline logit models predicting witnessing school violence during childhood

	Ever in DHA		Currently in DHA		Majority in DHA		Mostly in DHA	
	Coeff.	SE	Coeff.	SE	Coeff.	SE	Coeff.	SE
Predictor measures (all continuous variables reflect standardized values measured at time of first occurrence unless otherwise noted)								
Child characteristics								
Gender and ethnicity of child (omitted=African-American male)								
Latina female	-0.95 *	(0.39)	-0.81	(0.52)	-0.97	(0.58)	-0.91	(0.58)
Latino male	-1.17 **	(0.37)	-1.18 *	(0.52)	-1.59 **	(0.56)	-1.12 *	(0.57)
African-American female	-0.42	(0.28)	-0.31	(0.37)	-0.37	(0.39)	-0.58	(0.41)
First born in family (omitted=no)	-0.42	(0.22)	-0.30	(0.33)	-0.54	(0.38)	-1.31 ***	(0.36)
Caregiver and household characteristics								
Number of siblings in household	-0.20	(0.15)	0.01	(0.16)	0.03	(0.20)	-0.32	(0.18)
Caregiver reported depressive symptomatology (omitted=no)	0.18	(0.31)	-0.10	(0.40)	-0.85	(0.45)	-0.12	(0.51)
Caregiver age	-0.54 *	(0.24)	-0.09	(0.19)	-0.14	(0.26)	-0.91 ***	(0.23)
Caregiver immigrant status (omitted=no)	0.27	(0.42)	-0.02	(0.54)	-0.28	(0.58)	-0.08	(0.56)
Caregiver history of substance abuse (omitted=no)	-0.53	(0.41)	-0.30	(0.61)	-1.09	(0.66)	-0.54	(0.62)
Caregiver educational attainment (omitted=no degree)								
High school diploma	0.42	(0.31)	0.76	(0.40)	0.22	(0.45)	0.72	(0.53)
Post–high school technical certificate or college degree	-0.02	(0.37)	-0.03	(0.47)	-0.22	(0.51)	0.61	(0.53)
Married/partnered (omitted=not married/partnered)	0.67 *	(0.27)	0.76 *	(0.37)	0.59	(0.36)	0.44	(0.38)
Natural log of caregiver earnings (in dollars)	0.03	(0.28)	-0.03	(0.33)	0.03	(0.47)	-0.21	(0.38)
Caregiver was available to monitor/supervise children full/part time (omitted=not available)	-0.15	(0.56)	-0.14	(0.65)	0.60	(0.96)	-0.12	(0.78)
Household stressor scale	0.17	(0.12)	0.13	(0.18)	0.17	(0.17)	0.24	(0.16)
Household had health insurance (omitted=no)	0.37	(0.31)	0.56	(0.40)	0.73	(0.42)	0.90	(0.51)
Total number of moves from birth to first occurrence	0.08	(0.13)	0.44 **	(0.17)	0.16	(0.20)	-0.27	(0.23)
Neighborhood characteristics								
Living in neighborhood with negative peers (omitted=no)	0.60	(0.35)	0.91	(0.54)	0.88	(0.67)	0.94	(0.48)
Social capital index	0.13	(0.24)	-0.27	(0.33)	0.14	(0.39)	0.60	(0.39)
Spline: social capital index	-0.08	(0.47)	0.70	(0.62)	0.18	(0.71)	-0.39	(0.78)
Social problems index	-0.49	(0.36)	-0.93	(0.48)	-0.54	(0.65)	-0.48	(0.52)
Spline: social problems index	1.47 **	(0.50)	2.12 **	(0.72)	1.91 *	(0.88)	1.15	(0.72)
Social vulnerability score	1.54 *	(0.70)	2.28 *	(1.13)	1.65	(1.10)	1.49	(0.85)
Spline: social vulnerability score	-1.68	(0.95)	-15.11 ***	(3.48)	-9.70 ***	(2.43)	-1.15	(1.11)
Percentage African-American residents	-2.14 *	(1.04)	-0.89	(1.62)	-2.42	(1.30)	-2.22	(1.30)
Spline: percentage African-American residents	2.39	(1.24)	0.40	(1.86)	2.82	(1.53)	2.79	(1.56)
Percentage Latino residents	-1.33 *	(0.54)	-1.86 *	(0.82)	-1.17	(0.65)	-1.16	(0.76)
Spline: percentage Latino residents	1.53 *	(0.72)	1.88	(1.09)	0.78	(0.98)	1.27	(1.11)
Occupational prestige score	0.75	(0.42)	-0.41	(0.82)	-0.15	(0.66)	1.18 *	(0.56)
Spline: occupational prestige score	-2.72 ***	(0.71)	-4.52 ***	(1.37)	-3.16 **	(1.08)	-2.95 **	(0.97)
Percentage foreign-born residents	0.09	(0.51)	-1.50	(1.14)	-2.23 *	(0.91)	-0.24	(0.64)

Spline: percentage foreign-born residents	-0.73	(0.68)	0.01	(1.17)	1.60	(1.08)	-0.02	(0.85)
Percentage of residents who moved in preceding 12 months	0.34	(0.46)	0.40	(0.74)	1.23	(0.81)	0.88	(0.69)
Spline: percentage of residents who moved in preceding 12 months	-0.72	(0.63)	0.54	(1.16)	-0.85	(1.19)	-1.44	(0.91)
Resource factor score	-0.16	(0.41)	0.66	(0.58)	0.22	(0.54)	-0.63	(0.60)
Spline: resource factor score	-0.10	(0.64)	-1.82 *	(0.90)	-0.80	(0.91)	0.12	(0.95)
Percentage of housing built before 1940	0.90	(0.49)	2.83 **	(1.06)	2.48 **	(0.94)	1.31	(0.78)
Spline: percentage of housing built before 1940	-0.72	(0.72)	-2.63	(1.45)	-2.58 *	(1.30)	-1.78	(1.15)
Violent crime rate per 1,000	-2.66 ***	(0.64)	-6.05 ***	(1.27)	-3.22 **	(1.00)	-2.05 *	(0.85)
Spline: violent crime rate per 1,000	2.72 ***	(0.76)	13.93 ***	(2.89)	8.17 ***	(1.91)	1.82 *	(0.93)
Property crime rate per 1,000	1.17	(0.65)	4.53 ***	(1.03)	2.46 *	(0.97)	-0.39	(0.90)
Spline: property crime rate per 1,000	0.09	(0.74)	3.37	(2.13)	0.16	(1.17)	1.53	(1.03)
Child abuse and neglect rate per 1,000	-0.18	(0.45)	-0.55	(0.87)	-0.29	(0.77)	0.57	(0.64)
Spline: child abuse and neglect rate per 1,000	-0.28	(0.54)	-2.42	(1.62)	-0.03	(0.89)	-0.90	(0.77)
Constant	-1.54	(0.93)	1.34	(1.46)	-0.45	(1.44)	-1.91	(1.33)
Number of observations	814		612		495		416	
Number of clusters	417		336		273		237	
Log likelihood	-343.50		-178.90		-164.90		-158.90	
Chi-square	129.80 ***		172.40 ***		137.40 ***		92.13 ***	
Pseudo-R^2	0.29		0.55		0.46		0.32	

Notes:

Raw coefficients (that is, not exponentiated) are presented; robust standard errors in parentheses.

* $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$

Appendix D-V-6. Standardized spline AFT frailty models predicting timing of witnessing school violence during childhood

	Ever in DHA		Currently in DHA		Majority in DHA		Mostly in DHA	
	Coeff.	SE	Coeff.	SE	Coeff.	SE	Coeff.	SE
Predictor measures (all continuous variables reflect standardized values measured at time of first occurrence unless otherwise noted)								
Child characteristics								
Gender and ethnicity of child (omitted=African-American male)								
Latina female	0.25 ***	(0.07)	0.16 *	(0.06)	0.21 **	(0.08)	0.24 ***	(0.05)
Latino male	0.29 ***	(0.06)	0.21 ***	(0.06)	0.35 ***	(0.07)	0.22 ***	(0.05)
African-American female	0.11 *	(0.05)	0.06	(0.06)	0.04	(0.06)	0.09 *	(0.04)
First born in family (omitted=no)	0.17 ***	(0.04)	0.16 ***	(0.04)	0.18 ***	(0.04)	0.22 ***	(0.04)
Caregiver and household characteristics	0.07 **	(0.03)	0.06 *	(0.02)	0.04	(0.03)	0.06 **	(0.02)
Number of siblings in household								
Caregiver reported depressive symptomatology (omitted=no)	-0.07	(0.06)	-0.04	(0.05)	0.01	(0.07)	0.02	(0.07)
Caregiver age	0.22 ***	(0.05)	0.13 ***	(0.04)	0.17 ***	(0.05)	0.24 ***	(0.02)
Caregiver immigrant status (omitted=no)	-0.08	(0.08)	-0.06	(0.07)	0.01	(0.11)	0.01	(0.07)
Caregiver history of substance abuse (omitted=no)	0.04	(0.07)	-1.00E-03	(0.07)	0.13	(0.10)	0.05	(0.08)
Caregiver educational attainment (omitted=no degree)								
High school diploma	-0.07	(0.06)	-0.08	(0.05)	-0.02	(0.08)	-0.09	(0.07)
Post–high school technical certificate or college degree	-0.01	(0.07)	0.02	(0.06)	0.04	(0.08)	-0.13 *	(0.06)
Married/partnered (omitted=not married/partnered)	-0.10 *	(0.05)	-0.08	(0.05)	-0.07	(0.06)	-0.02	(0.04)
Natural log of caregiver earnings (in dollars)	0.01	(0.06)	2.00E-03	(0.05)	0.06	(0.07)	0.04	(0.05)
Caregiver was available to monitor/supervise children full/part time (omitted=not available)	0.02	(0.12)	-4.00E-03	(0.10)	0.03	(0.14)	-0.01	(0.10)
Household stressor scale	-0.03	(0.02)	-0.01	(0.02)	-0.01	(0.02)	-0.01	(0.02)
Household had health insurance (omitted=no)	-0.09	(0.06)	-0.09	(0.06)	-0.02	(0.07)	-0.10	(0.05)
Total number of moves from birth to first occurrence	0.09 ***	(0.03)	0.06 ***	(0.02)	0.12 ***	(0.03)	0.12 ***	(0.03)
Neighborhood characteristics								
Living in neighborhood with negative peers (omitted=no)	-0.08	(0.06)	-0.06	(0.06)	-0.07	(0.08)	-0.10	(0.06)
Social capital index	2.00E-03	(0.05)	0.11 *	(0.05)	3.00E-03	(0.07)	-0.13 **	(0.04)
Spline: social capital index	0.02	(0.10)	-0.18 *	(0.09)	-0.02	(0.12)	0.13	(0.09)
Social problems index	0.09	(0.07)	0.10	(0.06)	0.11	(0.09)	0.01	(0.07)
Spline: social problems index	-0.24 *	(0.11)	-0.27 **	(0.09)	-0.31 *	(0.13)	-0.06	(0.10)
Social vulnerability score	-0.16	(0.11)	-0.09	(0.12)	-0.12	(0.15)	2.00E-03	(0.10)
Spline: social vulnerability score	0.04	(0.15)	0.04	(0.17)	0.16	(0.22)	-0.17	(0.12)
Percentage African-American residents	0.42 **	(0.14)	0.30 *	(0.13)	0.54 **	(0.18)	0.39 **	(0.14)
Spline: percentage African-American residents	-0.49 **	(0.17)	-0.33 *	(0.16)	-0.64 **	(0.21)	-0.44 *	(0.17)
Percentage Latino residents	0.13	(0.08)	0.21 **	(0.08)	0.17	(0.09)	0.14	(0.09)
Spline: percentage Latino residents	-0.05	(0.11)	-0.22 *	(0.11)	-0.01	(0.11)	-0.03	(0.12)
Occupational prestige score	-0.10	(0.07)	-0.02	(0.07)	-0.06	(0.09)	-0.18 **	(0.07)
Spline: occupational prestige score	0.29 **	(0.10)	0.28 **	(0.11)	0.35 **	(0.13)	0.36 ***	(0.10)
Percentage foreign-born residents	0.01	(0.08)	-0.01	(0.09)	0.15	(0.12)	0.02	(0.08)

Spline: percentage foreign-born residents	-0.04	(0.12)	0.05	(0.12)	-0.17	(0.14)	-0.12	(0.12)
Percentage of residents who moved in preceding 12 months	-0.09	(0.08)	-0.05	(0.07)	-0.19 *	(0.10)	-0.16 *	(0.07)
Spline: percentage of residents who moved in preceding 12 months	0.13	(0.11)	0.05	(0.11)	0.24	(0.15)	0.26 *	(0.11)
Resource factor score	0.06	(0.06)	2.00E-03	(0.06)	0.04	(0.08)	0.12 *	(0.06)
Spline: resource factor score	-0.14	(0.12)	-0.02	(0.11)	-0.04	(0.14)	-0.07	(0.11)
Percentage of housing built before 1940	-0.18 *	(0.09)	-0.17	(0.09)	-0.31 *	(0.14)	-0.20 *	(0.09)
Spline: percentage of housing built before 1940	0.23	(0.12)	0.24	(0.13)	0.46 *	(0.18)	0.28 *	(0.12)
Violent crime rate per 1,000	0.16	(0.09)	0.18	(0.09)	0.06	(0.11)	0.06	(0.10)
Spline: violent crime rate per 1,000	-0.14	(0.10)	-0.17	(0.11)	-0.05	(0.13)	0.03	(0.11)
Property crime rate per 1,000	0.10	(0.10)	-0.05	(0.09)	-0.04	(0.13)	0.20	(0.11)
Spline: property crime rate per 1,000	-0.26 *	(0.11)	-0.14	(0.10)	-0.14	(0.14)	-0.29 *	(0.12)
Child abuse and neglect rate per 1,000	0.02	(0.07)	0.06	(0.07)	-0.01	(0.08)	-0.13	(0.07)
Spline: child abuse and neglect rate per 1,000	1.00E-03	(0.08)	-0.05	(0.08)	-0.01	(0.09)	0.10	(0.08)
Constant	2.95 ***	(0.16)	2.90 ***	(0.17)	2.50 ***	(0.19)	2.77 ***	(0.15)
LN(sigma)	-1.10 ***	(0.08)	-1.25 ***	(0.07)	-1.20 ***	(0.08)	-1.48 ***	(0.09)
Number of observations	814		612		495		416	
Number of clusters	417		336		273		237	
Number of failures	229		220		153		104	
Time at risk	9267		6045		4970		5398	
Sigma	0.33		0.29		0.30		0.23	
Log likelihood	-221.50		-119.00		-103.50		-70.50	
Chi-square	312.10 ***		231.60 ***		363.90 ***		408.90 ***	

Notes:

Raw coefficients (that is, not exponentiated) are presented; robust standard errors in parentheses.

* $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$

Appendix D-V-7. Standardized spline logit models predicting ever being victimized at school during childhood

	Ever in DHA		Currently in DHA		Majority in DHA		Mostly in DHA	
	Coeff.	SE	Coeff.	SE	Coeff.	SE	Coeff.	SE
Predictor measures (all continuous variables reflect standardized values measured at time of first occurrence unless otherwise noted)								
Child characteristics								
Gender and ethnicity of child (omitted=African-American male)								
Latina female	-0.81	(0.56)	-0.84	(0.73)	-1.05	(0.76)	-0.98	(0.96)
Latino male	-0.37	(0.49)	0.12	(0.60)	-1.02	(0.75)	-0.29	(0.78)
African-American female	-0.47	(0.41)	-1.52	(0.79)	-1.43	(0.89)	-1.23	(0.90)
First born in family (omitted=no)	-0.32	(0.30)	-0.19	(0.44)	-1.14 *	(0.57)	-1.40 *	(0.70)
Caregiver and household characteristics								
Number of siblings in household	-0.34	(0.22)	-0.23	(0.31)	0.06	(0.48)	-0.40	(0.31)
Caregiver reported depressive symptomatology (omitted=no)	0.98 *	(0.39)	1.13	(0.69)	1.01	(0.55)	1.33 *	(0.64)
Caregiver age	-1.08 ***	(0.29)	-0.10	(0.34)	-1.47 **	(0.52)	-1.64 **	(0.63)
Caregiver immigrant status (omitted=no)	0.91	(0.55)	0.08	(0.86)	0.60	(0.88)	0.14	(0.90)
Caregiver history of substance abuse (omitted=no)	-1.39 *	(0.65)	-2.34 *	(0.91)	-3.35 *	(1.50)	-2.60 *	(1.25)
Caregiver educational attainment (omitted=no degree)								
High school diploma	0.52	(0.39)	0.24	(0.69)	-0.10	(0.59)	0.62	(0.85)
Post–high school technical certificate or college degree	0.28	(0.52)	1.23	(0.71)	1.40	(0.92)	0.96	(0.80)
Married/partnered (omitted=not married/partnered)	0.43	(0.36)	0.62	(0.68)	0.45	(0.53)	0.52	(0.56)
Natural log of caregiver earnings (in dollars)	0.33	(0.46)	1.14	(0.63)	0.71	(0.72)	-0.24	(0.83)
Caregiver was available to monitor/supervise children full/part time (omitted=not available)	0.14	(0.96)	1.40	(1.08)	1.52	(1.51)	-0.67	(1.94)
Household stressor scale	-0.09	(0.16)	-0.26	(0.25)	-1.00 *	(0.43)	-0.15	(0.31)
Household had health insurance (omitted=no)	0.57	(0.54)	4.06 *	(1.60)	1.87	(1.13)	0.07	(0.84)
Total number of moves from birth to first occurrence	-0.03	(0.18)	0.24	(0.28)	0.14	(0.19)	-0.06	(0.36)
Neighborhood characteristics								
Living in neighborhood with negative peers (omitted=no)	0.03	(0.48)	0.20	(0.79)	1.63 *	(0.71)	0.69	(0.57)
Social capital index	-0.20	(0.30)	-0.45	(0.55)	0.68	(0.58)	0.16	(0.61)
Spline: social capital index	0.52	(0.58)	1.43	(1.13)	-0.48	(0.97)	0.72	(1.03)
Social problems index	0.25	(0.61)	1.29	(0.87)	-1.49	(0.79)	-0.21	(0.85)
Spline: social problems index	0.75	(0.79)	-0.03	(1.32)	3.84 ***	(1.04)	1.09	(1.08)
Social vulnerability score	0.09	(0.96)	-3.78	(2.23)	-1.94	(2.14)	0.45	(1.27)
Spline: social vulnerability score	-1.23	(1.25)	-5.95	(4.41)	-3.68	(3.00)	-1.42	(1.44)
Percentage African-American residents	0.65	(1.94)	1.05	(2.32)	-1.04	(2.84)	1.72	(2.67)
Spline: percentage African-American residents	-0.93	(2.34)	-3.23	(2.81)	1.57	(3.05)	-2.09	(3.19)
Percentage Latino residents	-1.53 *	(0.74)	-6.87 ***	(1.60)	-0.79	(1.75)	-0.85	(1.14)
Spline: percentage Latino residents	2.15	(1.43)	4.99 **	(1.64)	-0.85	(2.39)	1.16	(2.04)
Occupational prestige score	-1.58 *	(0.79)	-8.17 ***	(2.19)	-3.13	(1.63)	-0.47	(1.45)
Spline: occupational prestige score	-0.84	(1.25)	-1.89	(2.85)	-5.34 *	(2.53)	-1.61	(1.86)
Percentage foreign-born residents	-0.70	(0.93)	0.44	(2.28)	-5.37 *	(2.69)	-1.86	(1.15)

	(1)		(2)		(3)		(4)	
Spline: percentage foreign-born residents	-0.22	(1.16)	-3.09	(2.93)	5.25	(3.49)	0.94	(1.89)
Percentage of residents who moved in preceding 12 months	1.54 *	(0.67)	3.13 *	(1.28)	5.30 **	(1.77)	2.02	(1.26)
Spline: percentage of residents who moved in preceding 12 months	-1.89 *	(0.91)	-3.10 *	(1.38)	-5.28 **	(2.03)	-2.07	(1.54)
Resource factor score	-0.28	(0.55)	-0.62	(0.85)	-1.04	(1.15)	-1.18	(0.86)
Spline: resource factor score	0.25	(0.92)	0.01	(1.52)	0.69	(1.84)	1.21	(1.48)
Percentage of housing built before 1940	1.58	(0.90)	8.36 *	(3.54)	4.52	(2.76)	1.58	(1.21)
Spline: percentage of housing built before 1940	-1.66	(1.33)	-9.21 *	(4.04)	-3.51	(3.31)	-1.67	(1.68)
Violent crime rate per 1,000	-2.58 *	(1.28)	-6.11	(3.50)	-5.85 *	(2.86)	-1.70	(2.11)
Spline: violent crime rate per 1,000	2.25	(1.25)	7.21	(4.50)	5.08	(3.16)	1.43	(1.84)
Property crime rate per 1,000	1.61	(0.94)	4.70 *	(2.34)	2.23	(1.70)	-0.13	(1.36)
Spline: property crime rate per 1,000	-0.87	(1.04)	8.50 *	(3.85)	-0.84	(1.82)	0.52	(1.47)
Child abuse and neglect rate per 1,000	0.01	(0.73)	-0.98	(1.90)	3.01	(1.67)	1.21	(1.23)
Spline: child abuse and neglect rate per 1,000	-0.34	(0.85)	-5.44	(3.40)	-2.41	(1.98)	-2.80	(1.58)
Constant	-3.29 *	(1.39)	-4.77 *	(2.35)	-5.45	(2.81)	-2.26	(2.42)
Number of observations	913		572		487		506	
Number of clusters	466		323		272		275	
Log likelihood	-165.30		-71.07		-64.00		-73.31	
Chi-square	83.60 ***		104.10 ***		108.90 ***		131.00 ***	
Pseudo-R^2	0.29		0.61		0.52		0.32	

Notes:

Raw coefficients (that is, not exponentiated) are presented; robust standard errors in parentheses.

* $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$

Appendix D-V-8. Standardized spline AFT frailty models predicting timing of school victimization during childhood

	Ever in DHA		Currently in DHA		Majority in DHA		Mostly in DHA	
	Coeff.	SE	Coeff.	SE	Coeff.	SE	Coeff.	SE
Predictor measures (all continuous variables reflect standardized values measured at time of first occurrence unless otherwise noted)								
Child characteristics								
Gender and ethnicity of child (omitted=African-American male)								
Latina female	0.25 *	(0.11)	0.18	(0.10)	0.34 **	(0.12)	0.33 *	(0.14)
Latino male	0.16	(0.10)	0.04	(0.10)	0.38 ***	(0.11)	0.17	(0.12)
African-American female	0.21 *	(0.09)	0.43 ***	(0.10)	0.42 ***	(0.11)	0.26 *	(0.13)
First born in family (omitted=no)	0.16 *	(0.07)	0.08	(0.07)	0.20 *	(0.09)	0.28 **	(0.10)
Caregiver and household characteristics								
Number of siblings in household	0.14 ***	(0.04)	0.06	(0.04)	0.04	(0.05)	0.12 **	(0.04)
Caregiver reported depressive symptomatology (omitted=no)	-0.21 *	(0.09)	-0.17	(0.09)	-0.17	(0.09)	-0.16	(0.09)
Caregiver age	0.42 ***	(0.06)	0.16 **	(0.05)	0.46 ***	(0.07)	0.41 ***	(0.08)
Caregiver immigrant status (omitted=no)	-0.21 *	(0.10)	-0.01	(0.12)	-0.25	(0.15)	-0.02	(0.13)
Caregiver history of substance abuse (omitted=no)	0.26 *	(0.13)	0.24	(0.13)	0.53 *	(0.23)	0.46 **	(0.18)
Caregiver educational attainment (omitted=no degree)								
High school diploma	-0.13	(0.08)	-0.15	(0.09)	0.08	(0.10)	-0.02	(0.12)
Post–high school technical certificate or college degree	-0.11	(0.09)	-0.21 *	(0.10)	-0.14	(0.13)	-0.14	(0.10)
Married/partnered (omitted=not married/partnered)	-0.03	(0.08)	1.00E-03	(0.09)	-0.12	(0.09)	-0.07	(0.10)
Natural log of caregiver earnings (in dollars)	-0.03	(0.09)	-0.09	(0.09)	-0.05	(0.09)	0.05	(0.10)
Caregiver was available to monitor/supervise children full/part time (omitted=not available)	2.00E-03	(0.19)	-0.19	(0.17)	-0.04	(0.19)	0.01	(0.22)
Household stressor scale	0.00	(0.03)	0.01	(0.05)	0.11 *	(0.05)	0.07	(0.05)
Household had health insurance (omitted=no)	-0.09	(0.10)	-0.32 **	(0.11)	-0.40 **	(0.12)	0.06	(0.10)
Total number of moves from birth to first occurrence	0.11 *	(0.05)	0.05	(0.04)	0.17 ***	(0.04)	0.08	(0.05)
Neighborhood characteristics								
Living in neighborhood with negative peers (omitted=no)	-0.04	(0.08)	-0.25 **	(0.09)	-0.14	(0.12)	-0.19 *	(0.10)
Social capital index	0.03	(0.08)	0.00E+00	(0.10)	-0.04	(0.10)	0.01	(0.08)
Spline: social capital index	-0.10	(0.14)	-0.05	(0.18)	-0.06	(0.16)	-0.17	(0.15)
Social problems index	0.01	(0.10)	0.09	(0.13)	0.29 *	(0.14)	0.09	(0.10)
Spline: social problems index	-0.16	(0.14)	-0.21	(0.20)	-0.58 **	(0.20)	-0.22	(0.14)
Social vulnerability score	0.02	(0.18)	0.25	(0.25)	0.27	(0.26)	-0.04	(0.17)
Spline: social vulnerability score	-0.04	(0.25)	-0.64	(0.41)	-0.23	(0.40)	0.11	(0.22)
Percentage African-American residents	0.15	(0.24)	0.50	(0.30)	0.69 *	(0.35)	-0.22	(0.33)
Spline: percentage African-American residents	-0.16	(0.30)	-0.42	(0.33)	-0.92 *	(0.43)	0.33	(0.41)
Percentage Latino residents	0.25 *	(0.12)	0.77 ***	(0.17)	0.13	(0.16)	0.12	(0.14)
Spline: percentage Latino residents	-0.17	(0.19)	-0.32	(0.22)	0.47 *	(0.23)	-0.08	(0.22)
Occupational prestige score	0.19	(0.11)	0.39 *	(0.15)	-0.10	(0.17)	-0.06	(0.17)
Spline: occupational prestige score	0.22	(0.17)	0.57 *	(0.26)	1.25 ***	(0.29)	0.37	(0.22)
Percentage foreign-born residents	0.07	(0.15)	-0.34	(0.20)	0.40	(0.21)	0.30 *	(0.14)

	(1)		(2)		(3)		(4)	
Spline: percentage foreign-born residents	0.04	(0.20)	0.45	(0.26)	-0.41	(0.28)	-0.20	(0.26)
Percentage of residents who moved in preceding 12 months	-0.27 *	(0.13)	-0.12	(0.15)	-0.71 ***	(0.19)	-0.24	(0.14)
Spline: percentage of residents who moved in preceding 12 months	0.35	(0.19)	0.23	(0.21)	0.88 **	(0.27)	0.26	(0.19)
Resource factor score	0.13	(0.11)	0.07	(0.14)	0.20	(0.12)	0.24	(0.13)
Spline: resource factor score	-0.08	(0.19)	0.02	(0.22)	-0.10	(0.22)	-0.20	(0.22)
Percentage of housing built before 1940	-0.36	(0.19)	-0.99 ***	(0.26)	-0.71 **	(0.28)	-0.17	(0.15)
Spline: percentage of housing built before 1940	0.37	(0.26)	1.18 ***	(0.35)	0.67 *	(0.34)	0.22	(0.23)
Violent crime rate per 1,000	0.24	(0.22)	0.61	(0.34)	0.51	(0.29)	-4.00E-03	(0.26)
Spline: violent crime rate per 1,000	-0.17	(0.23)	-0.51	(0.35)	-0.27	(0.39)	0.07	(0.25)
Property crime rate per 1,000	-0.16	(0.17)	-0.56 *	(0.24)	-0.38	(0.23)	0.22	(0.20)
Spline: property crime rate per 1,000	0.15	(0.19)	0.37	(0.28)	0.48	(0.29)	-0.24	(0.23)
Child abuse and neglect rate per 1,000	-0.02	(0.14)	0.19	(0.22)	-0.45 **	(0.17)	-0.20	(0.17)
Spline: child abuse and neglect rate per 1,000	0.07	(0.17)	-0.22	(0.24)	0.22	(0.19)	0.46 *	(0.21)
Constant	3.24 ***	(0.27)	3.33 ***	(0.27)	2.80 ***	(0.33)	3.03 ***	(0.37)
LN(sigma)	-0.83 ***	(0.10)	-1.09 ***	(0.10)	-1.13 ***	(0.13)	-0.97 ***	(0.12)
Number of observations	913		572		487		506	
Number of clusters	466		323		272		275	
Number of failures	64		55		38		28	
Time at risk	11385		5824		5294		7154	
Sigma	0.44		0.34		0.32		0.38	
Log likelihood	-128.20		-60.64		-44.03		-57.87	
Chi-square	293.50 ***		173.40 ***		736.10 ***		404.20 ***	

Notes:

Raw coefficients (that is, not exponentiated) are presented; robust standard errors in parentheses.

* p < 0.05; ** p < 0.01; *** p < 0.001

Appendix V-9. Standardized spline logit models predicting witnessing violence at home during childhood

	Ever in DHA		Currently in DHA		Majority in DHA		Mostly in DHA[a]	
	Coeff.	SE	Coeff.	SE	Coeff.	SE	Coeff.	SE
Predictor measures (all continuous variables reflect standardized values measured at time of first occurrence unless otherwise noted)								
Child characteristics								
Gender and ethnicity of child (omitted=African-American male)								
Latina female	-0.45	(0.57)	-0.94	(0.58)	-0.82	(0.76)		
Latino male	-0.29	(0.75)	-0.76	(0.81)	-0.76	(0.94)		
African-American female	0.22	(0.47)	-0.29	(0.48)	0.45	(0.56)		
First born in family (omitted=no)	-0.54	(0.34)	-0.10	(0.47)	-0.92	(0.51)		
Caregiver and household characteristics	0.20	(0.36)	0.17	(0.29)	0.41	(0.67)		
Number of siblings in household								
Caregiver reported depressive symptomatology (omitted=no)	1.12	(0.59)	0.70	(0.67)	1.55 *	(0.72)		
Caregiver age	-3.46 ***	(0.94)	-1.94 **	(0.74)	-3.21 *	(1.29)		
Caregiver immigrant status (omitted=no)	0.81	(1.25)	-0.10	(0.93)	-0.43	(2.43)		
Caregiver history of substance abuse (omitted=no)	0.26	(0.65)	0.56	(0.72)	0.56	(0.73)		
Caregiver educational attainment (omitted=no degree)								
High school diploma	0.97	(0.73)	0.39	(0.76)	0.25	(1.10)		
Post–high school technical certificate or college degree	1.16	(0.63)	-0.11	(0.79)	0.80	(0.68)		
Caregiver married/partnered (omitted=not married/partnered)	0.60	(0.54)	1.09	(0.67)	0.03	(0.68)		
Natural log of caregiver earnings (in dollars)	0.39	(0.55)	0.20	(0.56)	-0.16	(0.72)		
Caregiver was available to monitor/supervise children full/part time (omitted=not available)	-0.21	(0.92)	-0.85	(1.06)	-1.19	(1.13)		
Household stressor scale	0.27	(0.22)	0.26	(0.32)	0.21	(0.28)		
Household had health insurance (omitted=no)	-0.67	(0.58)	0.17	(0.80)	-0.87	(0.90)		
Total number of moves from birth to first occurrence	-0.36	(0.36)	-0.15	(0.37)	-0.34	(0.32)		
Neighborhood characteristics								
Living in neighborhood with negative peers (omitted=no)	0.24	(1.07)	0.49	(1.24)	0.48	(1.82)		
Social capital index	-0.34	(0.56)	-0.56	(0.69)	-0.72	(0.87)		
Spline: social capital index	1.78	(1.04)	2.68 *	(1.23)	2.89 *	(1.26)		
Social problems index	-0.30	(1.29)	-0.29	(1.42)	-1.08	(1.72)		
Spline: social problems index	1.37	(1.52)	1.27	(1.76)	2.88	(1.94)		
Social vulnerability score	1.76	(1.75)	0.41	(1.80)	1.99	(3.66)		
Spline: social vulnerability score	-5.99 *	(2.55)	-7.32	(7.89)	-3.34	(5.27)		
Percentage African-American residents	0.12	(2.09)	-3.08	(2.89)	-4.50	(3.22)		
Spline: percentage African-American residents	-1.79	(2.89)	2.32	(3.39)	4.16	(3.83)		
Percentage Latino residents	-1.43	(1.07)	-3.57 *	(1.70)	-2.17	(1.21)		
Spline: percentage Latino residents	1.22	(1.65)	2.66	(1.93)	1.73	(2.45)		
Occupational prestige score	-2.50 *	(1.07)	-1.41	(1.38)	-1.04	(1.12)		
Spline: occupational prestige score	-1.69	(2.10)	-4.12	(2.86)	-3.75	(2.87)		
Percentage foreign-born residents	-0.48	(1.64)	0.76	(2.01)	0.72	(2.71)		

Spline: percentage foreign-born residents	-1.34	(2.14)	-1.30	(2.62)	-2.09	(3.63)
Percentage of residents who moved in preceding 12 months	-2.24 **	(0.78)	-2.27 **	(0.72)	-4.27	(2.22)
Spline: percentage of residents who moved in preceding 12 months	3.95 ***	(1.13)	4.27 ***	(1.18)	6.10 *	(2.45)
Resource factor score	1.05	(0.80)	2.96	(2.38)	1.00	(1.13)
Spline: resource factor score	-0.34	(1.16)	-3.40	(2.72)	-0.11	(1.69)
Percentage of housing built before 1940	0.64	(1.24)	1.19	(2.31)	0.13	(1.26)
Spline: percentage of housing built before 1940	-0.61	(2.00)	0.59	(3.27)	1.54	(2.08)
Violent crime rate per 1,000	-4.75 *	(2.22)	-6.22 *	(2.69)	-7.21	(3.93)
Spline: violent crime rate per 1,000	5.23 *	(2.08)	9.39 *	(4.69)	6.38 *	(3.14)
Property crime rate per 1,000	4.81 **	(1.79)	8.11 ***	(2.26)	8.08	(4.15)
Spline: property crime rate per 1,000	-2.37	(1.85)	-0.69	(2.68)	-4.63	(3.67)
Child abuse and neglect rate per 1,000	-0.36	(1.38)	1.32	(1.38)	1.25	(2.58)
Spline: child abuse and neglect rate per 1,000	-0.06	(1.58)	-4.32 *	(1.80)	-1.74	(2.86)
Constant	-6.27 **	(2.42)	-4.68	(3.21)	-8.68 *	(3.94)
Number of observations	745		495		426	
Number of clusters	392		282		243	
Log likelihood	-95.70		-82.72		-61.85	
Chi-square	119.90 ***		108.00 ***		116.00 ***	
Pseudo-R^2	0.58		0.62		0.64	

Notes:

Raw coefficients (that is, not exponentiated) are presented; robust standard errors in parentheses.

[a]Model for "mostly in DHA" sample could not be estimated.

* $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$

Appendix V-10. Standardized spline AFT frailty models predicting timing of witnessing violence at home during childhood

	Ever in DHA		Currently in DHA		Majority in DHA		Mostly in DHA	
	Coeff.	SE	Coeff.	SE	Coeff.	SE	Coeff.	SE
Predictor measures (all continuous variables reflect standardized values measured at time of first occurrence unless otherwise noted)								
Child characteristics								
Gender and ethnicity of child (omitted=African-American male)								
Latina female	0.08	(0.12)	0.11	(0.16)	0.08	(0.15)	-0.28	(0.16)
Latino male	-0.03	(0.15)	0.09	(0.18)	0.03	(0.15)	-0.46 ***	(0.13)
African-American female	-1.00E-03	(0.10)	-0.06	(0.16)	-0.08	(0.13)	-0.08	(0.15)
First born in family (omitted=no)	0.47 ***	(0.07)	0.43 ***	(0.10)	0.43 ***	(0.09)	0.33 ***	(0.07)
Caregiver and household characteristics								
Number of siblings in household	0.06	(0.06)	0.04	(0.07)	-0.01	(0.06)	0.10 *	(0.05)
Caregiver reported depressive symptomatology (omitted=no)	-0.27 *	(0.13)	-0.24	(0.14)	-0.34 *	(0.15)	-0.10	(0.10)
Caregiver age	1.03 ***	(0.09)	0.92 ***	(0.12)	0.85 ***	(0.08)	1.04 ***	(0.14)
Caregiver immigrant status (omitted=no)	-0.40 *	(0.16)	0.10	(0.23)	-0.21	(0.16)	-0.57 **	(0.18)
Caregiver history of substance abuse (omitted=no)	-0.24 *	(0.11)	-0.22	(0.16)	-0.42 **	(0.13)	-0.55 ***	(0.17)
Caregiver educational attainment (omitted=no degree)								
High school diploma	-0.43 ***	(0.13)	-0.20	(0.16)	-0.29 *	(0.13)	-0.30 *	(0.14)
Post–high school technical certificate or college degree	-0.37 **	(0.13)	-0.33 *	(0.14)	-0.24	(0.13)	-0.20	(0.13)
Caregiver married/partnered (omitted=not married/partnered)	-0.02	(0.09)	-0.13	(0.15)	0.11	(0.11)	0.29 **	(0.11)
Natural log of caregiver earnings (in dollars)	-0.02	(0.10)	0.04	(0.13)	0.12	(0.12)	-0.14	(0.08)
Caregiver was available to monitor/supervise children full/part time (omitted=not available)	0.09	(0.18)	0.25	(0.25)	0.34	(0.23)	-0.26	(0.16)
Household stressor scale	-0.01	(0.05)	-0.03	(0.06)	0.02	(0.05)	0.01	(0.03)
Household had health insurance (omitted=no)	0.09	(0.11)	0.09	(0.15)	0.12	(0.13)	0.30 ***	(0.08)
Total number of moves from birth to first occurrence	0.34 ***	(0.09)	0.35 **	(0.11)	0.40 ***	(0.07)	0.22 ***	(0.05)
Neighborhood characteristics								
Living in neighborhood with negative peers (omitted=no)	-0.26	(0.17)	0.04	(0.22)	-0.30	(0.19)	-0.08	(0.16)
Social capital index	0.13	(0.11)	0.12	(0.14)	0.31 **	(0.11)	0.24 **	(0.09)
Spline: social capital index	-0.33	(0.21)	-0.27	(0.25)	-0.63 **	(0.21)	-0.34 *	(0.16)
Social problems index	0.27	(0.18)	0.00	(0.21)	0.37 *	(0.19)	-0.22	(0.15)
Spline: social problems index	-0.51 *	(0.23)	-0.29	(0.28)	-0.71 **	(0.24)	0.38	(0.20)
Social vulnerability score	-0.47	(0.29)	0.22	(0.40)	-0.29	(0.34)	-1.46 ***	(0.39)
Spline: social vulnerability score	0.89 *	(0.41)	-0.10	(0.63)	0.53	(0.52)	0.83 *	(0.34)
Percentage African-American residents	0.71	(0.43)	0.79	(0.53)	0.78 *	(0.38)	2.74 ***	(0.73)
Spline: percentage African-American residents	-0.67	(0.52)	-0.67	(0.63)	-0.93 *	(0.46)	-2.29 **	(0.83)
Percentage Latino residents	0.31	(0.23)	0.69 *	(0.33)	0.26	(0.19)	1.17 ***	(0.29)
Spline: percentage Latino residents	-0.04	(0.34)	-0.37	(0.41)	-0.15	(0.38)	-1.25 ***	(0.33)
Occupational prestige score	0.31	(0.19)	0.14	(0.25)	0.14	(0.20)	-0.43 *	(0.21)
Spline: occupational prestige score	0.20	(0.31)	0.85 *	(0.42)	0.23	(0.30)	1.34 ***	(0.30)
Percentage foreign-born residents	0.23	(0.26)	2.00E-03	(0.36)	-0.10	(0.31)	-0.65	(0.34)

	(1)		(2)		(3)		(4)	
Spline: percentage foreign-born residents	-0.07	(0.36)	0.05	(0.44)	0.37	(0.40)	1.37 ***	(0.35)
Percentage of residents who moved in preceding 12 months	0.50 **	(0.16)	0.21	(0.18)	0.61 **	(0.21)	0.98 **	(0.32)
Spline: percentage of residents who moved in preceding 12 months	-0.92 ***	(0.26)	-0.53	(0.32)	-1.07 **	(0.34)	-1.30 **	(0.41)
Resource factor score	-0.20	(0.18)	-0.68 *	(0.31)	-0.21	(0.20)	-0.37 *	(0.15)
Spline: resource factor score	0.04	(0.27)	0.59	(0.43)	-0.09	(0.28)	0.71 **	(0.27)
Percentage of housing built before 1940	-0.12	(0.27)	0.03	(0.28)	0.12	(0.30)	-0.22	(0.34)
Spline: percentage of housing built before 1940	0.12	(0.40)	-0.44	(0.40)	-0.32	(0.45)	-0.32	(0.44)
Violent crime rate per 1,000	0.70 ***	(0.19)	0.71 *	(0.32)	1.12 ***	(0.23)	0.90 **	(0.29)
Spline: violent crime rate per 1,000	-0.73 **	(0.23)	-0.56	(0.42)	-1.11 ***	(0.27)	-1.20 ***	(0.36)
Property crime rate per 1,000	-0.88 ***	(0.23)	-1.32 ***	(0.35)	-1.28 ***	(0.27)	-0.88 ***	(0.21)
Spline: property crime rate per 1,000	0.59 *	(0.28)	1.03 **	(0.39)	0.95 **	(0.33)	0.87 ***	(0.22)
Child abuse and neglect rate per 1,000	-0.15	(0.22)	-0.15	(0.24)	-0.30	(0.23)	0.28	(0.27)
Spline: child abuse and neglect rate per 1,000	0.22	(0.27)	0.17	(0.29)	0.40	(0.28)	-0.49	(0.27)
Constant	4.58 ***	(0.55)	3.61 ***	(0.57)	4.53 ***	(0.66)	5.48 ***	(0.77)
LN(sigma)	-0.82 ***	(0.08)	-0.56 ***	(0.09)	-0.92 ***	(0.08)	-1.76 ***	(0.17)
Number of observations	745		495		426		398	
Number of clusters	392		282		243		220	
Number of failures	69		79		60		22	
Time at risk	8969		4764		4409		5585	
Sigma	0.44		0.57		0.40		0.17	
Log likelihood	-94.02		-117.10		-63.11		-6.75	
Chi-square	820.80 ***		556.40 ***		843.20 ***		7987.30 ***	

Notes:

Raw coefficients (that is, not exponentiated) are presented; robust standard errors in parentheses.

* $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$

Appendix D-VI-1. Standardized spline logit models predicting childhood onset of smoking

Predictor measures (all continuous variables reflect standardized values measured at time of onset unless otherwise noted)	Ever in DHA		Currently in DHA		Majority in DHA		Mostly in DHA	
	Coeff.	SE	Coeff.	SE	Coeff.	SE	Coeff.	SE
Child characteristics								
Gender and ethnicity of child (omitted=African-American male)								
Latina female	1.16 *	(0.52)	0.83	(0.58)	0.33	(1.05)	0.21	(0.77)
Latino male	1.28 **	(0.46)	1.13 *	(0.47)	0.45	(0.72)	0.58	(0.71)
African-American female	0.42	(0.43)	0.20	(0.48)	0.46	(0.82)	0.53	(0.67)
First born in family (omitted=no)	0.19	(0.30)	0.04	(0.34)	-1.13 *	(0.51)	-0.25	(0.53)
Early onset of puberty (omitted=on time, late, or not yet)	-0.16	(0.54)	0.02	(0.64)	1.32 *	(0.62)	-0.01	(0.59)
Caregiver and household characteristics								
Number of siblings in household	-0.48 **	(0.18)	-0.64 **	(0.21)	-0.20	(0.36)	-0.05	(0.27)
Caregiver reported depressive symptomatology (omitted=no)	1.15 **	(0.35)	1.15 **	(0.41)	1.62 *	(0.74)	0.67	(0.55)
Caregiver age	0.20	(0.16)	0.20	(0.18)	0.54	(0.30)	0.59 **	(0.23)
Caregiver immigrant status (omitted=no)	-0.38	(0.58)	-0.23	(0.60)	-1.67	(1.68)	-0.56	(1.06)
Caregiver history of substance abuse (omitted=no)	0.19	(0.43)	0.26	(0.47)	-0.25	(0.80)	0.24	(0.67)
Caregiver disability status (omitted=not disabled)	0.08	(0.55)	0.39	(0.58)	0.21	(0.91)	-0.43	(0.65)
Caregiver educational attainment (omitted=no degree)								
High school diploma	0.07	(0.35)	-0.08	(0.41)	-0.15	(0.89)	0.45	(0.61)
Post–high school technical certificate	-1.05 *	(0.50)	-1.45 *	(0.60)	-0.21	(0.82)	-0.77	(0.73)
College degree	-1.09 *	(0.54)	-0.93	(0.61)	-1.16	(1.32)	-0.26	(0.80)
Caregiver married/partnered (omitted=not married/partnered)	0.44	(0.32)	0.69 *	(0.35)	0.09	(0.67)	-0.03	(0.50)
Natural log of caregiver earnings (in dollars)	0.16	(0.32)	0.37	(0.34)	0.83	(0.53)	0.24	(0.37)
Caregiver was available to monitor/supervise children full/part time (omitted=not available)	-0.81	(0.68)	-0.55	(0.74)	1.22	(0.94)	-0.32	(0.79)
Household stressor scale	0.08	(0.17)	0.03	(0.19)	0.33	(0.38)	0.31	(0.23)
Household had health insurance (omitted=no)	0.34	(0.36)	0.42	(0.40)	1.02	(0.95)	0.44	(0.82)
Total number of moves from birth to onset	-0.02	(0.13)	0.06	(0.14)	0.33	(0.24)	0.17	(0.18)
Neighborhood characteristics								
Living in neighborhood with negative peers (omitted=no)	-0.04	(0.37)	-0.02	(0.43)	0.35	(0.71)	0.60	(0.63)
Social capital index	-0.55 *	(0.27)	-0.71 *	(0.31)	-0.56	(0.69)	-0.16	(0.57)
Spline: social capital index	0.55	(0.52)	1.21 *	(0.58)	1.42	(1.10)	0.80	(1.07)
Social problems index	1.07 *	(0.43)	1.04	(0.53)	2.17 *	(0.85)	0.85	(0.76)
Spline: social problems index	-0.88	(0.55)	-1.15	(0.70)	-2.69 *	(1.11)	-0.73	(0.95)
Social vulnerability score	1.30	(0.81)	0.47	(1.08)	0.33	(1.89)	0.99	(0.98)
Spline: social vulnerability score	-1.35	(1.06)	-0.17	(1.30)	-0.30	(2.29)	-0.91	(1.48)

Percentage African-American residents	0.51	(1.22)	-0.97	(1.82)	1.40	(2.73)	3.02	(1.75)
Spline: percentage African-American residents	-0.55	(1.47)	1.19	(2.06)	-2.38	(3.22)	-4.46 *	(2.11)
Percentage Latino residents	-1.12	(0.58)	-0.99	(0.69)	-1.99 *	(0.91)	-1.69	(0.99)
Spline: percentage Latino residents	2.33 *	(0.93)	2.36 *	(1.01)	4.27 **	(1.63)	4.36 *	(1.72)
Occupational prestige score	0.53	(0.57)	0.50	(0.85)	1.36	(1.35)	1.36	(0.79)
Spline: occupational prestige score	-1.41	(0.86)	-1.29	(1.23)	-4.42 *	(2.21)	-2.93	(1.58)
Percentage foreign-born residents	1.19	(0.68)	1.87 *	(0.94)	-0.40	(1.21)	1.34	(1.01)
Spline: percentage foreign-born residents	-2.72 **	(0.92)	-3.21 **	(1.22)	-2.74 *	(1.39)	-3.58 *	(1.44)
Living in neighborhood with hospitals and clinics (omitted=no)	-0.19	(0.47)	-0.21	(0.56)	-0.41	(0.95)	-0.56	(1.00)
Resource factor score	1.30 *	(0.61)	0.96	(0.66)	2.54	(1.38)	3.56 **	(1.11)
Spline: resource factor score	-2.21 **	(0.84)	-2.21 *	(0.96)	-3.86 *	(1.79)	-4.72 ***	(1.42)
Percentage of housing built before 1940	-0.73	(0.76)	-0.40	(0.87)	-0.97	(1.11)	-1.50	(0.99)
Spline: percentage of housing built before 1940	0.84	(1.20)	0.82	(1.41)	2.64	(1.55)	1.77	(1.51)
Violent crime rate per 1,000	-2.30 **	(0.77)	-3.13 ***	(0.95)	-1.99	(1.35)	-2.16 *	(1.02)
Spline: violent crime rate per 1,000	2.42 *	(1.05)	3.49 **	(1.23)	0.69	(1.72)	2.31	(1.50)
Property crime rate per 1,000	2.74 **	(0.84)	3.30 ***	(0.96)	5.53 ***	(1.47)	4.02 *	(1.59)
Spline: property crime rate per 1,000	-1.93	(0.99)	-2.09	(1.11)	-5.07 **	(1.72)	-3.70 *	(1.80)
Child abuse and neglect rate per 1,000	-0.29	(0.65)	-0.22	(0.77)	0.53	(1.21)	0.13	(0.79)
Spline: child abuse and neglect rate per 1,000	-0.12	(0.78)	-0.02	(0.94)	-0.77	(1.32)	-0.56	(0.94)
Respiratory hazards index	-0.22	(0.25)	-0.17	(0.27)	-0.43	(0.40)	-0.59	(0.42)
Spline: respiratory hazards index	0.46	(0.53)	0.34	(0.53)	-0.54	(1.14)	0.85	(1.04)
Constant	-1.78	(1.10)	-3.01 *	(1.30)	-0.01	(2.34)	-0.10	(1.94)
Number of observations	760		590		348		465	
Number of clusters	402		328		203		261	
Log likelihood	-215.45		-168.06		-73.46		-98.86	
Chi-square	137.70 ***		108.18 ***		115.96 ***		121.61 ***	
Pseudo-R^2	0.27		0.30		0.44		0.34	

Notes:

Raw coefficients (that is, not exponentiated) are presented; robust standard errors in parentheses.

* $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$

Appendix D-VI-2. Standardized spline Cox models predicting hazard of smoking during childhood

	Ever in DHA		Currently in DHA		Majority in DHA		Mostly in DHA	
	Coeff.	SE	Coeff.	SE	Coeff.	SE	Coeff.	SE
Predictor measures (all continuous variables reflect standardized values measured at time of onset unless otherwise noted)								
Child characteristics								
Gender and ethnicity of child (omitted=African-American male)								
Latina female	1.06 *	(0.43)	0.66	(0.45)	0.42	(1.09)	-0.57	(0.87)
Latino male	0.93 *	(0.38)	0.60	(0.38)	0.21	(0.86)	0.10	(0.77)
African-American female	0.05	(0.35)	-0.21	(0.34)	0.44	(0.77)	0.02	(0.56)
First born in family (omitted=no)	-0.05	(0.26)	-0.08	(0.27)	-0.99	(0.59)	-0.56	(0.49)
Early onset of puberty (omitted=on time, late, or not yet)	0.19	(0.48)	0.45	(0.56)	1.43	(0.83)	0.11	(0.68)
Caregiver and household characteristics								
Number of siblings in household	-0.48 **	(0.16)	-0.68 ***	(0.18)	0.04	(0.43)	0.11	(0.30)
Caregiver reported depressive symptomatology (omitted=no)	1.09 ***	(0.33)	1.07 **	(0.36)	2.14 *	(0.90)	0.49	(0.63)
Caregiver age	-0.33	(0.19)	-0.61 *	(0.25)	-0.09	(0.35)	0.07	(0.32)
Caregiver immigrant status (omitted=no)	0.17	(0.46)	0.49	(0.45)	-1.15	(2.13)	0.38	(1.07)
Caregiver history of substance abuse (omitted=no)	0.24	(0.40)	0.57	(0.43)	0.26	(0.78)	0.82	(0.73)
Caregiver disability status (omitted=not disabled)	0.08	(0.48)	0.39	(0.62)	-0.15	(1.27)	-0.35	(0.63)
Caregiver educational attainment (omitted=no degree)								
High school diploma	0.29	(0.30)	0.21	(0.33)	0.45	(0.84)	0.57	(0.77)
Post–high school technical certificate	-0.55	(0.42)	-0.66	(0.45)	0.43	(0.79)	-0.37	(0.70)
College degree	-0.89	(0.53)	-0.47	(0.48)	-0.47	(1.24)	0.33	(0.88)
Caregiver married/partnered (omitted=not married/partnered)	0.19	(0.26)	0.36	(0.26)	-0.71	(0.83)	-0.42	(0.47)
Natural log of caregiver earnings (in dollars)	-0.13	(0.34)	0.07	(0.39)	0.22	(0.56)	-0.24	(0.49)
Caregiver was available to monitor/supervise children full/part time (omitted=not available)	-1.15	(0.73)	-0.67	(0.81)	0.17	(0.93)	-1.21	(1.04)
Household stressor scale	0.04	(0.13)	-0.03	(0.15)	0.02	(0.44)	0.05	(0.23)
Household had health insurance (omitted=no)	0.41	(0.29)	0.42	(0.32)	0.69	(0.99)	0.74	(0.73)
Total number of moves from birth to onset	-0.21	(0.11)	-0.26 *	(0.12)	-0.27	(0.31)	-0.18	(0.19)
Neighborhood characteristics								
Living in neighborhood with negative peers (omitted=no)	0.07	(0.28)	-0.06	(0.34)	0.28	(0.63)	1.03	(0.63)
Social capital index	-0.46 *	(0.23)	-0.35	(0.25)	-0.88	(0.77)	-0.39	(0.57)
Spline: social capital index	0.53	(0.44)	0.67	(0.43)	1.98	(1.19)	1.06	(1.08)
Social problems index	1.22 **	(0.42)	1.14 *	(0.56)	1.79	(1.10)	0.07	(0.81)
Spline: social problems index	-1.15 *	(0.49)	-1.34	(0.70)	-2.33	(1.48)	0.09	(0.97)
Social vulnerability score	0.60	(0.57)	0.20	(0.86)	0.69	(1.87)	0.65	(0.78)
Spline: social vulnerability score	-0.10	(0.83)	0.34	(1.11)	0.69	(2.79)	-0.30	(1.54)

Percentage African-American residents	0.05	(0.84)	-0.41	(1.27)	0.65	(2.43)	2.49	(1.93)
Spline: percentage African-American residents	0.09	(1.00)	0.70	(1.41)	-1.15	(2.87)	-3.67	(2.19)
Percentage Latino residents	-0.86	(0.48)	-0.18	(0.49)	-1.97 *	(0.97)	-1.59	(1.11)
Spline: percentage Latino residents	1.96 **	(0.71)	1.28	(0.74)	4.45 *	(1.77)	4.38 **	(1.39)
Occupational prestige score	0.77	(0.41)	0.65	(0.61)	2.08	(1.22)	1.36 *	(0.63)
Spline: occupational prestige score	-0.82	(0.64)	-0.66	(0.86)	-4.42 *	(2.07)	-2.25	(1.34)
Percentage foreign-born residents	1.21 *	(0.51)	1.17	(0.61)	-0.16	(1.05)	0.95	(0.87)
Spline: percentage foreign-born residents	-2.03 **	(0.70)	-1.58	(0.86)	-1.76	(1.17)	-2.48 *	(1.03)
Living in neighborhood with hospitals and clinics (omitted=no)	-0.01	(0.41)	-0.04	(0.52)	-0.72	(0.89)	-0.69	(1.02)
Resource factor score	1.06 *	(0.52)	0.76	(0.55)	2.14	(1.36)	3.17 **	(1.21)
Spline: resource factor score	-1.76 **	(0.66)	-1.58 *	(0.77)	-3.07	(1.98)	-3.85 *	(1.59)
Percentage of housing built before 1940	-0.82	(0.65)	-0.75	(0.70)	-0.87	(1.05)	-1.24	(0.90)
Spline: percentage of housing built before 1940	0.82	(0.97)	1.17	(1.05)	2.35	(1.60)	1.35	(1.26)
Violent crime rate per 1,000	-1.07 *	(0.54)	-1.99 ***	(0.57)	-0.89	(1.10)	-1.03	(0.79)
Spline: violent crime rate per 1,000	1.27	(0.81)	2.43 **	(0.87)	-0.88	(1.50)	0.85	(1.14)
Property crime rate per 1,000	1.37 *	(0.60)	1.78 *	(0.76)	4.12 ***	(1.19)	2.69	(1.54)
Spline: property crime rate per 1,000	-1.06	(0.70)	-1.45	(0.83)	-4.39 **	(1.45)	-2.75	(1.77)
Child abuse and neglect rate per 1,000	0.56	(0.50)	0.72	(0.58)	1.45	(1.41)	0.87	(0.73)
Spline: child abuse and neglect rate per 1,000	-0.66	(0.58)	-0.78	(0.69)	-1.05	(1.53)	-0.57	(0.80)
Respiratory hazards index	-0.19	(0.19)	-0.11	(0.18)	-0.45	(0.40)	-0.66	(0.39)
Spline: respiratory hazards index	0.39	(0.38)	0.43	(0.36)	-0.88	(1.06)	0.62	(0.89)
Number of observations	760		590		348		465	
Number of clusters	402		328		203		261	
Number of failures	100		84		43		46	
Time at risk	10878		8338		4769		6443	
Log likelihood	-529.00		-415.20		-171.70		-206.30	
Chi-square	165.00 ***		157.20 ***		313.10 ***		431.00 ***	

Notes:

Raw coefficients (that is, not exponentiated) are presented; robust standard errors in parentheses.

* $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$

Appendix D-VI-3. Standardized spline logit models predicting childhood onset of alcohol consumption

	Ever in DHA		Currently in DHA		Majority in DHA		Mostly in DHA	
	Coeff.	SE	Coeff.	SE	Coeff.	SE	Coeff.	SE
Predictor measures (all continuous variables reflect standardized values measured at time of onset unless otherwise noted)								
Child characteristics								
Gender and ethnicity of child (omitted=African-American male)								
Latina female	1.04	(0.62)	1.12	(1.12)	0.14	(2.65)	3.13	(2.01)
Latino male	1.43 *	(0.58)	1.66	(1.17)	6.77 ***	(1.91)	3.14	(2.02)
African-American female	0.65	(0.52)	2.10	(1.16)	2.27	(1.52)	1.82	(1.61)
First born in family (omitted=no)	-0.05	(0.29)	0.10	(0.63)	-2.77	(2.12)	-0.23	(0.72)
Early onset of puberty (omitted=on time, late, or not yet)	-0.40	(0.50)	0.72	(0.98)	—[a]	—[a]	-1.87 *	(0.94)
Caregiver and household characteristics								
Number of siblings in household	-0.49 **	(0.18)	-0.11	(0.35)	-0.50	(0.59)	-0.15	(0.27)
Caregiver reported depressive symptomatology (omitted=no)	1.05 **	(0.39)	1.50	(0.78)	12.45 *	(5.36)	2.74 ***	(0.68)
Caregiver age	-0.64 **	(0.23)	0.39	(0.24)	-1.57	(1.15)	-0.02	(0.38)
Caregiver immigrant status (omitted=no)	-0.44	(0.62)	-2.44 *	(0.95)	-6.09 *	(3.10)	-2.33 *	(1.13)
Caregiver history of substance abuse (omitted=no)	0.16	(0.48)	-0.04	(0.88)	-6.30 *	(2.84)	-1.68 *	(0.75)
Caregiver disability status (omitted=not disabled)	-0.14	(0.50)	-1.18	(1.04)	1.61	(2.21)	0.25	(0.90)
Caregiver educational attainment (omitted=no degree)								
High school diploma	0.52	(0.43)	0.18	(0.70)	6.51	(3.68)	0.32	(0.88)
Post–high school technical certificate	0.44	(0.45)	-0.18	(0.80)	7.68 *	(3.19)	0.75	(0.83)
College degree	0.22	(0.62)	1.48	(1.64)	6.76	(4.69)	-0.72	(0.86)
Caregiver married/partnered (omitted=not married/partnered)	0.01	(0.34)	0.34	(0.59)	-4.70	(2.77)	-0.06	(0.58)
Natural log of caregiver earnings (in dollars)	-0.22	(0.41)	-1.80 *	(0.72)	3.65	(2.26)	0.10	(0.58)
Caregiver was available to monitor/supervise children full/part time (omitted=not available)	-0.94	(0.84)	-3.48 *	(1.35)	8.76	(5.22)	-0.31	(1.02)
Household stressor scale	0.05	(0.16)	-0.48	(0.30)	-0.06	(0.72)	0.10	(0.27)
Household had health insurance (omitted=no)	0.04	(0.42)	-0.86	(1.06)	-0.96	(1.62)	-1.36	(0.74)
Total number of moves from birth to onset	0.04	(0.14)	0.53 *	(0.25)	0.53	(0.74)	-0.08	(0.36)
Neighborhood characteristics								
Living in neighborhood with negative peers (omitted=no)	-0.32	(0.45)	-0.46	(0.75)	-0.26	(1.66)	0.02	(0.71)
Social capital index	-0.05	(0.34)	-1.11	(0.74)	-2.74	(1.52)	-0.13	(0.50)
Spline: social capital index	-0.47	(0.65)	1.52	(1.49)	5.57	(2.98)	0.13	(0.87)
Social problems index	0.93	(0.50)	0.48	(0.93)	7.08 *	(3.37)	1.40	(0.92)
Spline: social problems index	-0.84	(0.67)	-0.43	(1.30)	-13.54 *	(6.86)	-1.87	(1.38)
Social vulnerability score	1.73	(1.04)	3.07	(1.64)	2.41	(6.09)	2.02	(2.10)
Spline: social vulnerability score	-1.40	(1.29)	-12.70 **	(4.19)	-11.08	(7.50)	-0.99	(1.78)
Percentage African-American residents	-0.35	(1.33)	10.43 **	(3.31)	14.81	(13.35)	0.82	(1.87)
Spline: percentage African-American residents	-0.13	(1.54)	-13.23 ***	(3.63)	-19.20	(17.44)	-2.12	(2.31)
Percentage Latino residents	-1.14 *	(0.57)	1.63	(1.40)	-4.72	(3.11)	-2.15 *	(1.08)
Spline: percentage Latino residents	1.73	(0.89)	0.60	(2.20)	7.78	(4.09)	2.92 *	(1.42)

	(1)		(2)		(3)		(4)	
Occupational prestige score	-1.07	(0.66)	-6.54 ***	(1.39)	-1.09	(4.64)	1.52	(1.29)
Spline: occupational prestige score	0.48	(0.90)	1.89	(1.69)	-9.18	(4.82)	-2.92	(2.00)
Percentage foreign-born residents	0.83	(0.57)	-3.52	(2.01)	-1.84	(3.65)	2.97 *	(1.35)
Spline: percentage foreign-born residents	-2.48 **	(0.96)	-2.41	(2.70)	-8.46	(5.64)	-4.94 *	(2.05)
Living in neighborhood with hospitals and clinics (omitted=no)	-0.55	(0.47)	-0.09	(0.69)	-8.57	(4.88)	-1.88 *	(0.94)
Resource factor score	0.50	(0.55)	-0.08	(1.14)	4.10	(3.46)	0.13	(1.01)
Spline: resource factor score	-0.87	(0.84)	-0.59	(1.80)	-7.72	(5.78)	0.89	(1.75)
Percentage of housing built before 1940	-0.61	(0.77)	0.43	(1.64)	1.72	(2.72)	-2.20	(1.24)
Spline: percentage of housing built before 1940	1.34	(1.09)	-0.26	(2.09)	0.71	(4.03)	3.18	(1.85)
Violent crime rate per 1,000	-2.64 ***	(0.71)	-10.26 ***	(2.36)	-15.13	(7.98)	-3.92 ***	(1.03)
Spline: violent crime rate per 1,000	1.67	(1.01)	9.78 **	(3.29)	20.34	(10.70)	3.90 **	(1.22)
Property crime rate per 1,000	2.40 **	(0.91)	7.66 ***	(2.25)	17.94 **	(6.91)	5.07 *	(2.08)
Spline: property crime rate per 1,000	-1.70	(1.08)	-1.65	(3.35)	-15.90 *	(6.61)	-4.43 *	(2.20)
Child abuse and neglect rate per 1,000	0.07	(0.57)	-2.17	(1.29)	1.30	(3.02)	-0.19	(1.05)
Spline: child abuse and neglect rate per 1,000	-0.69	(0.76)	-1.77	(2.04)	-1.62	(2.99)	-0.43	(1.23)
Respiratory hazards index	-0.14	(0.25)	-0.74	(0.53)	-1.58 *	(0.79)	-0.86 *	(0.41)
Spline: respiratory hazards index	0.01	(0.54)	2.52	(1.31)	0.71	(2.98)	0.97	(0.60)
Constant	-1.97	(1.23)	4.07	(2.69)	4.43	(6.73)	-2.08	(2.45)
Number of observations	733		443		342		465	
Number of clusters	395		270		198		253	
Log likelihood	-183.94		-69.03		-31.54		-64.68	
Chi-square	101.50 ***		159.67 ***		404.53 ***		165.50 ***	
Pseudo-R^2	0.28		0.64		0.70		0.47	

Notes:

Raw coefficients (that is, not exponentiated) are presented; robust standard errors in parentheses.

[a]Early puberty was excluded from the analysis for the "majority in DHA" model because it was perfectly predictive.

* $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$

Appendix D-VI-4. Standardized spline Cox models predicting hazard of alcohol consumption during childhood

	Ever in DHA		Currently in DHA		Majority in DHA		Mostly in DHA	
	Coeff.	SE	Coeff.	SE	Coeff.	SE	Coeff.	SE
Predictor measures (all continuous variables reflect standardized values measured at time of onset unless otherwise noted)								
Child characteristics								
Gender and ethnicity of child (omitted=African-American male)								
Latina female	0.88	(0.51)	0.25	(0.51)	1.97	(1.56)	2.72	(2.74)
Latino male	0.90	(0.47)	0.32	(0.56)	2.45	(1.69)	2.47	(2.38)
African-American female	0.19	(0.46)	0.18	(0.43)	1.97	(1.43)	1.03	(1.74)
First born in family (omitted=no)	-0.45	(0.29)	0.17	(0.39)	-1.46	(1.51)	-1.24	(0.92)
Early onset of puberty (omitted=on time, late, or not yet)	0.10	(0.40)	1.03	(0.77)	—[a]	—[a]	-1.45	(0.80)
Caregiver and household characteristics								
Number of siblings in household	-0.53 ***	(0.15)	0.19	(0.26)	-0.99 **	(0.36)	-0.31	(0.28)
Caregiver reported depressive symptomatology (omitted=no)	0.98 **	(0.37)	1.17 **	(0.39)	10.29 *	(4.78)	3.33 *	(1.33)
Caregiver age	-1.67 ***	(0.33)	-0.74 *	(0.30)	-3.79 ***	(0.93)	-1.31 **	(0.44)
Caregiver immigrant status (omitted=no)	0.24	(0.44)	-1.09 *	(0.52)	-0.11	(2.12)	-1.64	(1.04)
Caregiver history of substance abuse (omitted=no)	0.26	(0.44)	-0.25	(0.52)	-5.14	(2.84)	-2.29	(1.19)
Caregiver disability status (omitted=not disabled)	0.28	(0.45)	1.49 *	(0.61)	2.97	(1.92)	0.96	(0.70)
Caregiver educational attainment (omitted=no degree)								
High school diploma	0.78	(0.40)	-0.15	(0.28)	4.11	(2.68)	1.29	(0.78)
Post–high school technical certificate	0.71	(0.46)	0.34	(0.68)	6.82 *	(3.21)	1.80	(0.95)
College degree	0.28	(0.61)	1.14	(0.63)	5.11 *	(2.13)	0.05	(1.36)
Caregiver married/partnered (omitted=not married/partnered)	-0.37	(0.29)	-0.52	(0.31)	-6.62 **	(2.51)	-1.36	(0.72)
Natural log of caregiver earnings (in dollars)	-0.23	(0.58)	-0.26	(0.55)	-0.05	(2.29)	0.77	(0.72)
Caregiver was available to monitor/supervise children full/part time (omitted=not available)	-0.54	(1.29)	-0.20	(0.98)	0.27	(3.70)	0.60	(1.14)
Household stressor scale	-0.08	(0.12)	-0.47 **	(0.18)	-1.02 **	(0.33)	-0.32	(0.39)
Household had health insurance (omitted=no)	-0.39	(0.35)	-2.01 ***	(0.47)	-4.47	(3.17)	-2.78	(1.62)
Total number of moves from birth to onset	-0.13	(0.12)	-0.29	(0.18)	-2.74 **	(1.00)	-0.80 *	(0.34)
Neighborhood characteristics								
Living in neighborhood with negative peers (omitted=no)	-0.06	(0.34)	0.18	(0.45)	-1.03	(1.28)	-0.51	(0.61)
Social capital index	0.00	(0.28)	-0.69	(0.37)	0.17	(2.49)	-0.38	(0.55)
Spline: social capital index	-0.11	(0.60)	1.02	(0.69)	3.03	(3.51)	1.10	(0.93)
Social problems index	0.63	(0.42)	0.25	(0.55)	4.72	(2.97)	1.86 *	(0.91)
Spline: social problems index	-0.51	(0.53)	-0.26	(0.75)	-8.46	(4.52)	-2.51 **	(0.86)
Social vulnerability score	0.95	(0.80)	1.18	(0.86)	-0.72	(5.94)	3.27	(3.24)
Spline: social vulnerability score	-0.57	(1.00)	-4.05 **	(1.52)	-6.48	(4.02)	-2.08	(1.66)

Percentage African-American residents	-0.01	(1.03)	3.82 **	(1.39)	15.61 *	(6.46)	-0.06	(3.27)
Spline: percentage African-American residents	-0.32	(1.20)	-4.70 **	(1.70)	-19.49 *	(8.22)	-0.63	(4.35)
Percentage Latino residents	-1.01	(0.60)	0.31	(0.64)	0.68	(1.51)	-2.63	(1.55)
Spline: percentage Latino residents	1.91 *	(0.88)	1.96	(1.07)	0.40	(1.34)	2.85	(1.81)
Occupational prestige score	-0.52	(0.58)	-1.15	(0.65)	1.90	(4.26)	2.84	(2.07)
Spline: occupational prestige score	0.30	(0.83)	-0.87	(0.94)	-6.82	(7.27)	-5.12	(3.22)
Percentage foreign-born residents	0.84	(0.55)	-1.28	(0.76)	-0.64	(1.90)	4.10	(2.89)
Spline: percentage foreign-born residents	-2.02 *	(0.87)	-0.97	(1.38)	-10.36 **	(3.61)	-5.18	(3.46)
Living in neighborhood with hospitals and clinics (omitted=no)	-0.51	(0.38)	-0.63	(0.47)	-7.13 *	(2.90)	-1.39	(0.91)
Resource factor score	0.46	(0.49)	0.77	(0.76)	0.62	(1.31)	-0.41	(1.09)
Spline: resource factor score	-0.82	(0.73)	-0.10	(0.93)	-1.72	(3.55)	1.22	(1.46)
Percentage of housing built before 1940	-0.69	(0.67)	-0.77	(0.77)	1.61	(2.11)	-0.67	(1.19)
Spline: percentage of housing built before 1940	1.36	(0.92)	1.13	(1.08)	-2.15	(2.79)	0.85	(2.08)
Violent crime rate per 1,000	-1.49 *	(0.59)	-4.21 ***	(0.80)	-4.24	(3.25)	-4.01 **	(1.36)
Spline: violent crime rate per 1,000	1.04	(0.86)	4.89 ***	(1.43)	6.31	(3.75)	4.31 ***	(1.23)
Property crime rate per 1,000	1.18	(0.64)	2.20 ***	(0.62)	14.21 *	(5.82)	2.93	(1.67)
Spline: property crime rate per 1,000	-0.96	(0.79)	-1.95 *	(0.82)	-13.86 *	(5.89)	-2.14	(2.06)
Child abuse and neglect rate per 1,000	0.79	(0.48)	0.70	(0.58)	-2.96	(2.45)	-0.61	(0.94)
Spline: child abuse and neglect rate per 1,000	-0.93	(0.63)	-0.86	(0.80)	3.36	(3.21)	0.68	(1.19)
Respiratory hazards index	-0.20	(0.15)	-0.29	(0.20)	-0.03	(0.38)	-0.58	(0.30)
Spline: respiratory hazards index	0.11	(0.37)	1.36 **	(0.44)	-3.29	(3.51)	0.83	(0.59)
Number of observations	733		443		342		465	
Number of clusters	395		270		198		253	
Number of failures	82		69		32		34	
Time at risk	10492		5779		4685		6681	
Log likelihood	-409.40		-256.10		-93.30		-128.40	
Chi-square	191.90 ***		414.70 ***		17566.40 ***		926.30 ***	

Notes:

Raw coefficients (that is, not exponentiated) are presented; robust standard errors in parentheses.

[a]Early puberty was excluded from the analysis for the "majority in DHA" model because it was perfectly predictive.

* p < 0.05; ** p < 0.01; *** p < 0.001

Appendix D-VI-5. Standardized spline logit models predicting childhood onset of marijuana use

	Ever in DHA		Currently in DHA		Majority in DHA		Mostly in DHA	
	Coeff.	SE	Coeff.	SE	Coeff.	SE	Coeff.	SE
Predictor measures (all continuous variables reflect standardized values measured at time of onset unless otherwise noted)								
Child characteristics								
Gender and ethnicity of child (omitted=African-American male)								
Latina female	0.79	(0.61)	1.74	(1.21)	-18.55	(12.27)	0.95	(0.94)
Latino male	1.24 *	(0.59)	1.76	(1.05)	29.91	(25.52)	1.96 *	(0.91)
African-American female	0.08	(0.52)	1.23	(1.09)	—[a]	—[a]	-0.16	(0.78)
First born in family (omitted=no)	-0.59	(0.35)	1.00	(0.74)	29.07	(25.43)	-1.24 *	(0.56)
Early onset of puberty (omitted=on time, late, or not yet)	0.54	(0.56)	0.95	(0.94)	—[a]	—[a]	0.69	(0.85)
Caregiver and household characteristics								
Number of siblings in household	-0.44 *	(0.21)	0.18	(0.38)	-40.18	(31.10)	-0.41	(0.34)
Caregiver reported depressive symptomatology (omitted=no)	0.77 *	(0.38)	1.84 **	(0.57)	124.80	(97.01)	1.48 **	(0.55)
Caregiver age	-1.15 ***	(0.25)	0.13	(0.25)	-140.06	(110.01)	-1.34 ***	(0.37)
Caregiver immigrant status (omitted=no)	0.06	(0.52)	-1.15	(1.12)	287.48	(231.30)	-0.02	(0.82)
Caregiver history of substance abuse (omitted=no)	0.73	(0.44)	1.46	(0.83)	246.64	(197.07)	0.04	(0.63)
Caregiver disability status (omitted=not disabled)	0.28	(0.50)	-0.44	(0.73)	43.02	(31.58)	0.79	(0.71)
Caregiver educational attainment (omitted=no degree)								
High school diploma	0.51	(0.41)	-0.23	(0.80)	15.87	(15.84)	1.30	(0.67)
Post–high school technical certificate	-0.97	(0.65)	-1.20	(1.01)	-145.34	(116.27)	-0.67	(1.09)
College degree	-0.53	(0.69)	0.00	(1.36)	171.11	(135.21)	0.53	(0.97)
Caregiver married/partnered (omitted=not married/partnered)	0.29	(0.35)	0.17	(0.75)	-38.37	(31.43)	0.32	(0.65)
Natural log of caregiver earnings (in dollars)	-0.40	(0.45)	-2.00	(1.47)	-157.68	(125.49)	-0.19	(0.40)
Caregiver was available to monitor/supervise children full/part time (omitted=not available)	-1.55	(0.94)	-5.51	(2.97)	-306.28	(244.77)	-1.14	(0.83)
Household stressor scale	-0.15	(0.16)	-0.03	(0.36)	33.35	(27.00)	-0.17	(0.24)
Household had health insurance (omitted=no)	-1.10 **	(0.42)	-1.05	(0.76)	-75.96	(61.15)	-1.20	(0.67)
Total number of moves from birth to onset	0.21	(0.14)	0.53 *	(0.27)	-32.14	(25.36)	0.15	(0.28)
Neighborhood characteristics								
Living in neighborhood with negative peers (omitted=no)	-0.21	(0.45)	0.01	(1.62)	-59.52	(46.79)	-0.79	(0.65)
Social capital index	0.50	(0.36)	0.20	(0.94)	22.99	(18.83)	0.70	(0.51)
Spline: social capital index	-0.14	(0.66)	0.74	(1.69)	225.82	(176.21)	0.07	(0.94)
Social problems index	1.47 **	(0.52)	0.76	(1.75)	177.80	(140.87)	1.81 *	(0.77)
Spline: social problems index	-1.06	(0.65)	-0.20	(1.99)	-28.39	(22.88)	-1.43	(1.12)
Social vulnerability score	1.60	(1.01)	1.34	(1.76)	-51.76	(43.06)	2.09	(1.80)
Spline: social vulnerability score	-1.48	(1.25)	-10.27 *	(4.60)	-647.66	(509.54)	-2.97	(2.01)

Percentage African-American residents	0.25	(1.16)	12.38 **	(4.62)	576.39	(455.39)	2.28	(1.78)
Spline: percentage African-American residents	-0.22	(1.39)	-14.84 **	(5.20)	-708.53	(560.20)	-2.53	(2.19)
Percentage Latino residents	-0.53	(0.68)	2.37	(1.58)	239.62	(190.00)	-0.58	(1.05)
Spline: percentage Latino residents	1.00	(1.05)	-2.54	(1.91)	-273.68	(217.95)	1.34	(1.77)
Occupational prestige score	0.13	(0.66)	-4.94 *	(2.08)	-376.76	(295.82)	0.14	(1.11)
Spline: occupational prestige score	-1.00	(0.91)	-0.76	(3.18)	216.85	(170.28)	-1.40	(1.48)
Percentage foreign-born residents	0.44	(0.61)	-5.31 *	(2.20)	-420.08	(331.23)	0.55	(0.90)
Spline: percentage foreign-born residents	-1.91	(1.08)	1.98	(2.80)	310.83	(245.88)	-2.39	(1.78)
Living in neighborhood with hospitals and clinics (omitted=no)	0.02	(0.48)	2.05	(1.14)	—[a]	—[a]	0.25	(0.81)
Resource factor score	0.64	(0.58)	-0.37	(1.36)	-346.60	(274.10)	0.63	(0.90)
Spline: resource factor score	-1.52	(0.83)	0.22	(2.25)	480.35	(379.67)	-1.55	(1.11)
Percentage of housing built before 1940	-0.10	(0.74)	2.91 *	(1.48)	-111.85	(86.61)	-0.94	(1.13)
Spline: percentage of housing built before 1940	1.06	(1.03)	-3.17	(2.39)	192.14	(148.65)	2.00	(1.55)
Violent crime rate per 1,000	-3.87 ***	(0.77)	-13.21 ***	(2.95)	-718.45	(566.02)	-4.67 ***	(1.17)
Spline: violent crime rate per 1,000	3.59 ***	(0.96)	13.98 **	(5.10)	906.56	(716.01)	4.91 ***	(1.39)
Property crime rate per 1,000	3.66 ***	(0.91)	12.19 ***	(3.05)	651.87	(520.84)	3.68 *	(1.63)
Spline: property crime rate per 1,000	-3.64 ***	(1.03)	-9.27 *	(4.28)	-500.02	(402.06)	-3.09	(1.65)
Child abuse and neglect rate per 1,000	0.09	(0.61)	-2.35	(1.43)	94.27	(73.37)	0.80	(0.89)
Spline: child abuse and neglect rate per 1,000	-1.15	(0.81)	-2.70	(2.73)	-223.66	(174.34)	-1.86	(1.08)
Respiratory hazards index	-0.60 *	(0.29)	-1.28 *	(0.54)	-88.25	(70.40)	-0.48	(0.44)
Spline: respiratory hazards index	1.18 *	(0.54)	6.18 ***	(1.19)	256.45	(201.92)	0.92	(0.66)
Constant	-0.52	(1.24)	3.72	(4.15)	-267.92	(207.43)	-0.76	(2.03)
Number of observations	746		444		225		473	
Number of clusters	393		267		143		256	
Log likelihood	-165.03		-59.21		-14.74		-84.02	
Chi-square	120.83 ***		237.00 ***		—[b]		125.62 ***	
Pseudo-R²	0.34		0.66		0.80		0.42	

Notes:

Raw coefficients (that is, not exponentiated) are presented; robust standard errors in parentheses.

[a] These variables were excluded from the model for the "majority in DHA" sample because of multicollinearity.

[b] An exact model chi-square value could not be estimated for the "majority in DHA" sample.

* $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$

Appendix D-VI-6. Standardized spline Cox models predicting hazard of childhood onset of marijuana use

	Ever in DHA		Currently in DHA		Majority in DHA[a]		Mostly in DHA	
	Coeff.	SE	Coeff.	SE	Coeff.	SE	Coeff.	SE
Predictor measures (all continuous variables reflect standardized values measured at time of onset unless otherwise noted)								
Child characteristics								
Gender and ethnicity of child (omitted=African-American male)								
Latina female	0.32	(0.49)	0.34	(0.52)			-0.77	(1.31)
Latino male	0.90 *	(0.43)	-0.03	(0.56)			0.51	(0.91)
African-American female	-0.34	(0.35)	-0.62	(0.47)			-0.66	(0.80)
First born in family (omitted=no)	-1.20 ***	(0.29)	-0.55	(0.36)			-1.72 ***	(0.51)
Early onset of puberty (omitted=on time, late, or not yet)	0.91	(0.54)	0.81	(0.70)			0.68	(0.95)
Caregiver and household characteristics								
Number of siblings in household	-0.72 **	(0.23)	-0.43	(0.37)			-0.75	(0.47)
Caregiver reported depressive symptomatology (omitted=no)	0.32	(0.33)	0.95	(0.50)			0.68	(0.63)
Caregiver age	-2.60 ***	(0.36)	-1.50 ***	(0.44)			-2.93 ***	(0.59)
Caregiver immigrant status (omitted=no)	0.48	(0.58)	-0.27	(0.86)			0.40	(0.99)
Caregiver history of substance abuse (omitted=no)	0.38	(0.38)	-0.04	(0.40)			0.67	(0.63)
Caregiver disability status (omitted=not disabled)	1.36 **	(0.46)	1.41 *	(0.68)			2.29 **	(0.81)
Caregiver educational attainment (omitted=no degree)								
High school diploma	0.19	(0.32)	0.26	(0.37)			0.33	(0.72)
Post–high school technical certificate	-0.79	(0.50)	0.28	(0.64)			-0.87	(0.72)
College degree	-0.62	(0.73)	0.42	(0.52)			0.32	(1.33)
Caregiver married/partnered (omitted=not married/partnered)	0.36	(0.32)	0.40	(0.38)			0.21	(0.59)
Natural log of caregiver earnings (in dollars)	-0.21	(0.62)	-1.48	(1.28)			-0.12	(0.65)
Caregiver was available to monitor/supervise children full/part time (omitted=not available)	-0.79	(1.26)	-2.70	(2.57)			-0.74	(1.40)
Household stressor scale	-0.28	(0.15)	-0.50 *	(0.20)			-0.37	(0.24)
Household had health insurance (omitted=no)	-0.91 *	(0.37)	-0.82	(0.64)			-0.96 *	(0.39)
Total number of moves from birth to onset	-0.11	(0.12)	-0.21	(0.23)			-0.11	(0.25)
Neighborhood characteristics								
Living in neighborhood with negative peers (omitted=no)	0.41	(0.49)	0.54	(0.69)			0.79	(0.70)
Social capital index	0.23	(0.35)	-0.24	(0.57)			0.93	(0.67)
Spline: social capital index	0.46	(0.73)	1.08	(1.08)			0.39	(1.17)
Social problems index	0.65	(0.41)	-0.11	(0.97)			0.75	(0.76)
Spline: social problems index	-0.29	(0.51)	0.52	(1.17)			-0.76	(1.28)
Social vulnerability score	1.35	(0.89)	1.43	(1.15)			1.10	(1.47)
Spline: social vulnerability score	-1.39	(1.10)	-2.16	(2.00)			-2.00	(1.98)

Percentage African-American residents	0.77	(1.00)	1.70	(1.38)	2.90	(1.53)
Spline: percentage African-American residents	-0.71	(1.11)	-2.05	(1.55)	-3.39	(1.79)
Percentage Latino residents	-0.10	(0.66)	-0.56	(0.83)	0.69	(0.95)
Spline: percentage Latino residents	0.43	(0.82)	0.87	(1.19)	-1.04	(1.83)
Occupational prestige score	-0.50	(0.61)	-0.59	(0.66)	0.10	(1.03)
Spline: occupational prestige score	0.44	(0.80)	-0.82	(1.24)	-0.36	(1.39)
Percentage foreign-born residents	0.30	(0.54)	-0.39	(0.84)	-0.51	(0.64)
Spline: percentage foreign-born residents	-0.96	(0.87)	0.29	(1.36)	0.44	(1.51)
Living in neighborhood with hospitals and clinics (omitted=no)	0.21	(0.41)	0.66	(0.47)	-0.04	(0.72)
Resource factor score	0.00	(0.53)	0.86	(0.76)	-0.09	(0.84)
Spline: resource factor score	-0.66	(0.71)	-1.53	(1.07)	-0.94	(1.07)
Percentage of housing built before 1940	-0.80	(0.72)	0.36	(0.92)	-1.89	(1.51)
Spline: percentage of housing built before 1940	1.88	(0.97)	0.23	(1.17)	3.15	(1.99)
Violent crime rate per 1,000	-2.73 ***	(0.50)	-2.78 ***	(0.73)	-2.96 ***	(0.79)
Spline: violent crime rate per 1,000	2.51 ***	(0.66)	2.43 *	(1.20)	3.12 *	(1.24)
Property crime rate per 1,000	1.44 *	(0.60)	1.78 *	(0.74)	1.66	(1.25)
Spline: property crime rate per 1,000	-1.20	(0.66)	-0.81	(0.99)	-1.26	(1.29)
Child abuse and neglect rate per 1,000	0.85 *	(0.43)	0.70	(0.51)	1.49	(0.81)
Spline: child abuse and neglect rate per 1,000	-1.05	(0.56)	-1.59	(0.85)	-1.60	(1.04)
Respiratory hazards index	-0.47 **	(0.18)	-0.32	(0.20)	-0.31	(0.43)
Spline: respiratory hazards index	0.83 *	(0.41)	0.84	(0.49)	0.70	(0.62)
Number of observations	746		444		473	
Number of clusters	393		267		256	
Number of failures	78		58		43	
Time at risk	10648		5753		6767	
Log likelihood	-360.80		-212.90		-166.40	
Chi-square	418.00 ***		458.20 ***		355.80 ***	

Notes:

Raw coefficients (that is, not exponentiated) are presented; robust standard errors in parentheses.

[a]Model for "majority in DHA" sample could not be estimated.

*p < 0.05; ** p < 0.01; *** p < 0.001

Appendix D-VI-7. Standardized spline logit models predicting childhood onset of running away from home

	Ever in DHA		Currently in DHA		Majority in DHA		Mostly in DHA	
	Coeff.	SE	Coeff.	SE	Coeff.	SE	Coeff.	SE
Predictor measures (all continuous variables reflect standardized values measured at time of onset unless otherwise noted)								
Child characteristics								
Gender and ethnicity of child (omitted=African-American male)								
Latina female	0.59	(0.60)	0.41	(0.88)	7.78	(4.58)	3.67 **	(1.31)
Latino male	-0.65	(0.62)	-0.59	(0.95)	5.59	(3.47)	1.55	(1.42)
African-American female	-0.56	(0.50)	-4.14 **	(1.43)	-3.10	(1.74)	0.52	(1.13)
First born in family (omitted=no)	-0.62	(0.42)	1.24	(0.66)	-1.25	(1.39)	-0.41	(0.47)
Early onset of puberty (omitted=on time, late, or not yet)	0.14	(0.50)	0.78	(1.02)	0.75	(1.50)	-0.36	(0.80)
Caregiver and household characteristics								
Number of siblings in household	0.35	(0.20)	1.64 *	(0.68)	1.47	(1.23)	0.78 *	(0.39)
Caregiver reported depressive symptomatology (omitted=no)	0.98 **	(0.38)	3.48 *	(1.58)	5.36	(5.25)	0.29	(0.85)
Caregiver age	-1.59 ***	(0.40)	1.26	(0.84)	-1.94	(1.54)	-1.42 *	(0.63)
Caregiver immigrant status (omitted=no)	-0.21	(0.71)	-4.29	(2.57)	-2.95	(1.91)	-2.82 *	(1.22)
Caregiver history of substance abuse (omitted=no)	0.39	(0.50)	2.52	(1.98)	-10.31	(7.14)	-0.29	(0.99)
Caregiver disability status (omitted=not disabled)	-0.68	(0.73)	-3.10	(1.92)	—[a]	—[a]	-0.67	(1.03)
Caregiver educational attainment (omitted=no degree)								
High school diploma	1.89 **	(0.61)	2.97 *	(1.27)	3.31	(2.22)	1.13	(0.88)
Post–high school technical certificate	1.51 *	(0.61)	3.80	(2.44)	5.07	(3.45)	2.70 **	(0.87)
College degree	1.59 *	(0.72)	-2.81	(2.84)	7.37	(4.82)	1.73	(1.17)
Caregiver married/partnered (omitted=not married/partnered)	-0.10	(0.42)	0.17	(0.59)	0.94	(1.33)	0.90	(0.74)
Natural log of caregiver earnings (in dollars)	1.15 **	(0.42)	3.12	(1.65)	3.70	(2.46)	1.84 **	(0.71)
Caregiver was available to monitor/supervise children full/part time (omitted=not available)	1.90 **	(0.71)	4.30 *	(1.99)	7.82	(4.41)	3.68 ***	(1.07)
Household stressor scale	0.17	(0.21)	0.45	(0.53)	1.08	(0.66)	0.20	(0.33)
Household had health insurance (omitted=no)	-0.15	(0.42)	-1.30	(1.06)	-2.15 *	(1.02)	0.45	(0.53)
Total number of moves from birth to onset	0.08	(0.21)	0.82 *	(0.35)	-1.28	(0.89)	0.11	(0.33)
Neighborhood characteristics								
Living in neighborhood with negative peers (omitted=no)	0.34	(0.64)	0.15	(0.81)	4.93	(6.16)	0.76	(0.73)
Social capital index	0.65	(0.40)	0.82	(1.07)	-0.49	(1.04)	0.63	(0.65)
Spline: social capital index	-0.51	(0.72)	0.95	(1.54)	1.77	(1.43)	0.07	(1.24)
Social problems index	1.19	(0.64)	2.49	(3.03)	-3.82	(3.84)	-0.85	(1.22)
Spline: social problems index	-0.48	(0.86)	-0.57	(2.66)	8.43	(6.02)	2.48	(1.74)
Social vulnerability score	1.24	(1.02)	7.70 **	(2.66)	8.47	(5.06)	0.93	(1.33)
Spline: social vulnerability score	-1.54	(1.42)	-15.42	(9.06)	0.46	(5.46)	2.93	(2.36)
Percentage African-American residents	-1.07	(1.87)	-3.99	(4.28)	-23.98	(15.20)	-1.94	(2.17)
Spline: percentage African-American residents	0.71	(2.19)	1.11	(4.51)	24.27	(14.51)	2.25	(2.87)
Percentage Latino residents	-2.25 **	(0.72)	-7.30 *	(3.61)	-10.66	(7.19)	-1.46	(1.40)
Spline: percentage Latino residents	3.99 **	(1.29)	2.45	(2.33)	9.79 *	(4.80)	2.84	(1.91)
Occupational prestige score	-1.95 *	(0.97)	1.01	(1.56)	2.56	(2.42)	0.10	(1.29)

Spline: occupational prestige score	-0.70	(1.51)	-19.30 **	(6.09)	-15.59	(10.44)	-4.01	(2.25)
Percentage foreign-born residents	-0.31	(0.77)	1.40	(2.60)	2.47	(2.95)	-0.32	(1.73)
Spline: percentage foreign-born residents	-1.92	(1.14)	-5.33	(2.74)	-9.55	(7.04)	-3.54	(2.25)
Living in neighborhood with hospitals and clinics (omitted=no)	-1.96 **	(0.63)	-1.18	(0.83)	-4.32 *	(2.00)	-2.80 **	(0.96)
Resource factor score	0.32	(0.68)	-0.06	(1.36)	-1.00	(1.78)	0.18	(0.88)
Spline: resource factor score	-1.33	(1.07)	-2.44	(2.08)	-0.74	(3.58)	-1.51	(1.80)
Percentage of housing built before 1940	2.08 *	(0.85)	5.20 *	(2.27)	11.33	(8.22)	2.68 *	(1.22)
Spline: percentage of housing built before 1940	-2.77 *	(1.29)	-3.59	(2.06)	-10.86	(7.82)	-2.71	(1.76)
Violent crime rate per 1,000	-4.87 ***	(0.99)	-14.06 ***	(3.84)	-12.16	(8.68)	-3.16 *	(1.51)
Spline: violent crime rate per 1,000	3.54 *	(1.44)	16.82 *	(6.55)	4.66	(10.30)	-1.92	(2.70)
Property crime rate per 1,000	2.29	(1.20)	11.30 *	(5.31)	-0.22	(2.65)	0.78	(2.01)
Spline: property crime rate per 1,000	-0.87	(1.31)	-7.83	(4.26)	3.51	(5.25)	-0.44	(2.92)
Child abuse and neglect rate per 1,000	0.96	(0.79)	-2.01	(2.01)	4.02	(3.60)	0.64	(1.03)
Spline: child abuse and neglect rate per 1,000	-1.29	(1.18)	1.96	(2.04)	-2.66	(2.73)	-0.46	(1.43)
Respiratory hazards index	-0.19	(0.35)	-0.53	(0.49)	-1.27	(0.97)	0.23	(0.53)
Spline: respiratory hazards index	0.83	(0.63)	0.41	(0.86)	-1.80	(2.36)	-2.03	(1.33)
Constant	-3.95 *	(1.68)	3.65	(4.30)	-24.14	(18.28)	-6.74 *	(2.66)
Number of observations	810		472		359		526	
Number of clusters	421		278		205		273	
Log likelihood	-125.86		-42.54		-29.02		-52.64	
Chi-square	108.63 ***		164.28 ***		2507.20 ***		138.30 ***	
Pseudo-R^2	0.38		0.70		0.67		0.49	

Notes:

Raw coefficients (that is, not exponentiated) are presented; robust standard errors in parentheses.

[a]Caregiver disability was excluded from the "majority in DHA" model because of collinearity.

* p < 0.05; ** p < 0.01; *** p < 0.001

Appendix D-VI-8. Standardized spline AFT frailty models predicting timing of running away from home during childhood

	Ever in DHA		Currently in DHA		Majority in DHA		Mostly in DHA	
	Coeff.	SE	Coeff.	SE	Coeff.	SE	Coeff.	SE
Predictor measures (all continuous variables reflect standardized values measured at time of onset unless otherwise noted)								
Child characteristics								
Gender and ethnicity of child (omitted=African-American male)								
Latina female	0.01	(0.04)	0.04	(0.04)	-0.52 ***	(0.10)	-0.17 **	(0.05)
Latino male	0.05	(0.04)	0.03	(0.04)	-0.46 ***	(0.10)	-0.13 *	(0.05)
African-American female	0.08 *	(0.03)	0.16 ***	(0.04)	-0.02	(0.02)	0.00	(0.03)
First born in family (omitted=no)	0.08 ***	(0.03)	0.01	(0.02)	0.14 ***	(0.02)	0.07 ***	(0.02)
Early onset of puberty (omitted=on time, late, or not yet)	-0.01	(0.04)	-0.03	(0.05)	0.52 ***	(0.08)	0.11 *	(0.05)
Caregiver and household characteristics								
Number of siblings in household	0.00	(0.01)	-0.02	(0.01)	0.00	(0.01)	-0.04 **	(0.02)
Caregiver reported depressive symptomatology (omitted=no)	-0.07 *	(0.03)	-0.17 ***	(0.04)	-0.28 ***	(0.08)	-0.04	(0.04)
Caregiver age	0.26 ***	(0.03)	0.07 **	(0.02)	0.27 ***	(0.04)	0.20 ***	(0.02)
Caregiver immigrant status (omitted=no)	-0.01	(0.06)	0.19 **	(0.07)	0.81 ***	(0.21)	0.24 **	(0.09)
Caregiver history of substance abuse (omitted=no)	-0.08 *	(0.03)	-0.11 *	(0.04)	0.81 **	(0.29)	-0.10 **	(0.03)
Caregiver disability status (omitted=not disabled)	0.01	(0.05)	0.06	(0.08)	—[a]	—[a]	-0.03	(0.04)
Caregiver educational attainment (omitted=no degree)								
High school diploma	-0.15 ***	(0.04)	-0.13 ***	(0.03)	-0.20 ***	(0.03)	-0.07	(0.04)
Post–high school technical certificate	-0.15 ***	(0.04)	-0.14 ***	(0.04)	-0.43 ***	(0.06)	-0.18 ***	(0.05)
College degree	-0.16 **	(0.05)	-0.08	(0.06)	-0.68 ***	(0.11)	-0.24 ***	(0.06)
Caregiver married/partnered (omitted=not married/partnered)	0.03	(0.03)	0.07 **	(0.02)	0.02	(0.05)	-0.02	(0.04)
Natural log of caregiver earnings (in dollars)	-0.07 *	(0.03)	-0.14 ***	(0.03)	-0.17 ***	(0.03)	-0.10 ***	(0.03)
Caregiver was available to monitor/supervise children full/part time (omitted=not available)	-0.15 **	(0.06)	-0.22 ***	(0.05)	-0.75 ***	(0.15)	-0.27 ***	(0.07)
Household stressor scale	0.00	(0.02)	0.03	(0.02)	0.03 ***	(0.01)	0.01	(0.02)
Household had health insurance (omitted=no)	0.07 *	(0.04)	0.19 ***	(0.04)	0.34 ***	(0.08)	-0.03	(0.04)
Total number of moves from birth to onset	0.02	(0.02)	0.01	(0.01)	0.20 ***	(0.05)	0.05	(0.03)
Neighborhood characteristics								
Living in neighborhood with negative peers (omitted=no)	-0.07	(0.04)	-0.07 *	(0.03)	-0.25 *	(0.12)	-0.08 *	(0.04)
Social capital index	-0.06 *	(0.03)	0.02	(0.04)	-0.06 *	(0.02)	-0.07	(0.04)
Spline: social capital index	0.06	(0.05)	-0.10	(0.07)	-0.02	(0.03)	0.08	(0.07)
Social problems index	-0.04	(0.04)	0.04	(0.05)	0.24 *	(0.10)	0.07	(0.07)
Spline: social problems index	-0.03	(0.06)	-0.12	(0.07)	-0.78 ***	(0.14)	-0.15	(0.10)
Social vulnerability score	-0.06	(0.06)	-0.15	(0.09)	-0.66 ***	(0.09)	-0.11	(0.06)
Spline: social vulnerability score	0.10	(0.10)	0.03	(0.18)	-0.61 *	(0.25)	-0.05	(0.11)
Percentage African-American residents	0.05	(0.12)	0.32 *	(0.15)	1.50 ***	(0.44)	0.22	(0.12)
Spline: percentage African-American residents	-0.02	(0.14)	-0.29	(0.17)	-1.49 ***	(0.38)	-0.27	(0.16)
Percentage Latino residents	0.15 **	(0.05)	0.23 **	(0.07)	0.69 ***	(0.19)	0.11 *	(0.05)
Spline: percentage Latino residents	-0.25 **	(0.09)	-0.14	(0.09)	-1.18 ***	(0.13)	-0.11	(0.08)
Occupational prestige score	0.12	(0.07)	-0.02	(0.06)	-0.53 **	(0.19)	-0.04	(0.06)

Spline: occupational prestige score	0.03	(0.08)	0.34 ***	(0.09)	1.04 *	(0.42)	0.17 *	(0.08)
Percentage foreign-born residents	0.08	(0.06)	-0.07	(0.07)	-0.12	(0.15)	0.03	(0.05)
Spline: percentage foreign-born residents	0.03	(0.08)	0.09	(0.07)	0.63 ***	(0.16)	0.06	(0.09)
Living in neighborhood with hospitals and clinics (omitted=no)	0.13 **	(0.04)	0.08 *	(0.04)	0.23	(0.14)	0.10 *	(0.04)
Resource factor score	0.00	(0.05)	0.14 **	(0.05)	0.11 ***	(0.03)	0.07	(0.05)
Spline: resource factor score	0.06	(0.07)	-0.10	(0.07)	-0.19 **	(0.07)	-0.08	(0.10)
Percentage of housing built before 1940	-0.14 **	(0.05)	-0.11	(0.07)	-0.61 **	(0.22)	-0.18 **	(0.07)
Spline: percentage of housing built before 1940	0.19 *	(0.08)	0.07	(0.10)	0.55 *	(0.26)	0.20 *	(0.09)
Violent crime rate per 1,000	0.23 ***	(0.06)	0.23 **	(0.07)	0.80 ***	(0.19)	0.15 **	(0.06)
Spline: violent crime rate per 1,000	-0.11	(0.10)	-0.04	(0.11)	0.23	(0.15)	0.12	(0.08)
Property crime rate per 1,000	-0.04	(0.07)	-0.07	(0.06)	0.08	(0.05)	0.09	(0.07)
Spline: property crime rate per 1,000	-0.06	(0.08)	-0.02	(0.07)	-0.19 *	(0.09)	-0.14	(0.09)
Child abuse and neglect rate per 1,000	-0.14 **	(0.05)	-0.11 ***	(0.03)	-0.17	(0.16)	-0.10 *	(0.04)
Spline: child abuse and neglect rate per 1,000	0.13 *	(0.06)	0.08 *	(0.03)	0.05	(0.15)	0.06	(0.04)
Respiratory hazards index	0.01	(0.02)	0.04 *	(0.02)	0.21 ***	(0.05)	0.01	(0.03)
Spline: respiratory hazards index	-0.05	(0.04)	-0.02	(0.03)	0.15	(0.16)	0.02	(0.05)
Constant	3.07 ***	(0.14)	3.00 ***	(0.11)	4.62 ***	(0.32)	3.36 ***	(0.20)
LN(sigma)	-1.96 ***	(0.10)	-2.67 ***	(0.11)	-3.63 ***	(0.17)	-2.51 ***	(0.16)
Number of observations	810		472		359		526	
Number of clusters	421		278		205		273	
Number of failures	56		42		24		26	
Time at risk	11325		5801		4748		7447	
Sigma	0.14		0.07		0.03		0.08	
Log likelihood	-26.44		36.10		41.83		5.06	
Chi-square	544.90 ***		809.50 ***		—[b]		1240.40 ***	

Notes:

Raw coefficients (that is, not exponentiated) are presented; robust standard errors in parentheses.

[a]Caregiver disability was excluded from the "majority in DHA" model because of collinearity.

* p < 0.05; ** p < 0.01; *** p < 0.001

Appendix D-VI-9. Standardized spline logit models predicting childhood onset violent behavior

	Ever in DHA		Currently in DHA		Majority in DHA		Mostly in DHA	
	Coeff.	SE	Coeff.	SE	Coeff.	SE	Coeff.	SE
Predictor measures (all continuous variables reflect standardized values measured at time of onset unless otherwise noted)								
Child characteristics								
Gender and ethnicity of child (omitted=African-American male)								
Latina female	-1.07 *	(0.49)	-1.10	(0.73)	-1.05	(0.71)	-0.76	(0.64)
Latino male	0.08	(0.43)	0.09	(0.67)	0.64	(0.75)	0.35	(0.58)
African-American female	-0.05	(0.35)	-0.19	(0.59)	-0.06	(0.60)	0.10	(0.47)
First born in family (omitted=no)	-0.73 *	(0.32)	0.33	(0.52)	-1.00	(0.53)	-1.47 **	(0.46)
Early onset of puberty (omitted=on time, late, or not yet)	0.25	(0.45)	0.77	(0.70)	0.60	(0.69)	1.06 *	(0.47)
Caregiver and household characteristics								
Number of siblings in household	-0.42 *	(0.16)	-0.34	(0.24)	-0.23	(0.26)	-0.12	(0.24)
Caregiver reported depressive symptomatology (omitted=no)	1.47 **	(0.36)	1.55 **	(0.50)	0.97	(0.59)	0.98	(0.54)
Caregiver age	-1.95 **	(0.28)	-0.89 *	(0.41)	-2.29 **	(0.39)	-1.98 **	(0.35)
Caregiver immigrant status (omitted=no)	-0.45	(0.59)	-1.16	(0.90)	-0.58	(0.83)	-0.95	(0.78)
Caregiver history of substance abuse (omitted=no)	-0.64	(0.40)	-1.17	(0.62)	-1.14	(0.86)	-0.76	(0.72)
Caregiver disability status (omitted=not disabled)	1.41 **	(0.54)	1.43	(0.94)	1.57	(1.19)	1.45	(0.90)
Caregiver educational attainment (omitted=no degree)								
High school diploma	0.43	(0.41)	0.14	(0.56)	-0.15	(0.60)	0.52	(0.64)
Post–high school technical certificate	0.39	(0.42)	-0.59	(0.65)	0.35	(0.58)	0.44	(0.58)
College degree	-0.65	(0.65)	-1.00	(1.01)	-2.03	(2.14)	-0.99	(1.03)
Caregiver married/partnered (omitted=not married/partnered)	0.18	(0.34)	0.33	(0.52)	0.20	(0.73)	0.08	(0.46)
Natural log of caregiver earnings (in dollars)	-0.18	(0.40)	-1.77 **	(0.67)	-0.82	(0.76)	-0.04	(0.61)
Caregiver was available to monitor/supervise children full/part time (omitted=not available)	-1.12	(0.78)	-4.59 **	(1.41)	-2.09	(1.60)	-0.91	(1.24)
Household stressor scale	0.13	(0.15)	0.42	(0.29)	0.53	(0.28)	0.30	(0.21)
Household had health insurance (omitted=no)	0.33	(0.37)	1.10	(0.63)	0.54	(0.65)	0.39	(0.53)
Total number of moves from birth to onset	0.05	(0.14)	0.24	(0.18)	0.28	(0.30)	0.21	(0.22)
Neighborhood characteristics								
Living in neighborhood with negative peers (omitted=no)	0.08	(0.36)	-0.47	(0.60)	-0.89	(0.73)	0.17	(0.57)
Social capital index	0.54	(0.33)	1.42 *	(0.62)	1.15	(0.65)	0.71	(0.51)
Spline: social capital index	-0.62	(0.65)	-1.62	(1.10)	-1.32	(1.30)	-1.04	(0.97)
Social problems index	1.23 **	(0.48)	1.33	(0.79)	2.28 **	(0.78)	1.13	(0.69)
Spline: social problems index	-1.45 *	(0.63)	-1.85	(1.13)	-2.40 *	(1.21)	-1.50	(0.90)
Social vulnerability score	-0.09	(0.90)	0.17	(1.51)	1.13	(1.16)	-0.06	(1.20)
Spline: social vulnerability score	-1.12	(1.27)	-7.41 **	(2.67)	-2.42	(1.85)	-0.45	(1.44)
Percentage African-American residents	0.70	(1.12)	-2.00	(1.88)	-1.12	(2.01)	0.34	(1.56)

	(1)		(2)		(3)		(4)	
Spline: percentage African-American residents	-0.82	(1.30)	1.01	(2.18)	0.35	(2.32)	-0.44	(1.83)
Percentage Latino residents	-1.45 *	(0.67)	-3.74 **	(1.11)	-2.72 *	(1.09)	-1.60	(1.03)
Spline: percentage Latino residents	1.20	(0.78)	0.31	(1.27)	1.37	(1.82)	1.16	(0.98)
Occupational prestige score	-0.99	(0.58)	-3.25 **	(1.13)	-0.61	(1.15)	-0.31	(0.77)
Spline: occupational prestige score	-0.12	(0.79)	-2.46	(1.79)	-2.68	(1.75)	-1.03	(1.03)
Percentage foreign-born residents	1.03	(0.73)	0.86	(1.32)	-0.53	(1.08)	0.85	(0.93)
Spline: percentage foreign-born residents	-2.25 *	(0.98)	-1.53	(1.89)	-0.08	(1.70)	-1.86	(1.11)
Living in neighborhood with hospitals and clinics (omitted=no)	-0.39	(0.51)	0.42	(1.13)	-0.03	(0.76)	-0.07	(0.66)
Resource factor score	-0.36	(0.52)	-1.60	(0.90)	-0.86	(0.89)	-0.49	(0.78)
Spline: resource factor score	0.50	(0.80)	2.55 *	(1.30)	1.58	(1.51)	0.68	(1.30)
Percentage of housing built before 1940	1.03	(0.76)	3.67 *	(1.48)	0.85	(1.13)	2.03	(1.22)
Spline: percentage of housing built before 1940	-1.06	(1.01)	-3.52	(1.98)	0.16	(1.35)	-1.83	(1.58)
Violent crime rate per 1,000	-2.18 **	(0.71)	-5.09 **	(1.56)	-2.15 *	(0.99)	-1.77 *	(0.82)
Spline: violent crime rate per 1,000	2.94 **	(0.82)	9.15 **	(2.14)	2.14	(1.31)	2.77 **	(0.93)
Property crime rate per 1,000	2.81 **	(0.85)	7.25 **	(1.57)	4.99 **	(1.20)	1.81	(1.10)
Spline: property crime rate per 1,000	-1.49	(1.00)	-1.31	(1.92)	-3.92 *	(1.61)	-0.92	(1.21)
Child abuse and neglect rate per 1,000	0.01	(0.62)	-1.03	(0.93)	-0.57	(0.84)	0.10	(0.87)
Spline: child abuse and neglect rate per 1,000	-0.96	(0.70)	-0.81	(1.12)	0.44	(1.03)	-1.04	(0.95)
Respiratory hazards index	1.00 **	(0.34)	0.23	(0.35)	0.56	(0.55)	0.22	(0.46)
Spline: respiratory hazards index	-1.56 *	(0.70)	-0.95	(0.81)	-1.49	(0.84)	-0.99	(0.90)
Constant	0.81	(1.24)	3.93	(2.46)	2.02	(1.82)	-0.05	(1.54)
Number of observations	739		440		361		473	
Number of clusters	398		272		207		257	
Log likelihood	-206.30		-105.40		-85.58		-112.47	
Chi-square	152.97 ***		147.95 ***		147.76 ***		153.30 ***	
Pseudo-R^2	0.42		0.59		0.57		0.43	

Notes:

Raw coefficients (that is, not exponentiated) are presented; robust standard errors in parentheses.

* $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$

Appendix D-VI-10. Standardized spline Cox models predicting hazard of engaging in violent behavior during childhood

	Ever in DHA		Currently in DHA		Majority in DHA		Mostly in DHA	
	Coeff.	SE	Coeff.	SE	Coeff.	SE	Coeff.	SE
Predictor measures (all continuous variables reflect standardized values measured at time of onset unless otherwise noted)								
Child characteristics								
Gender and ethnicity of child (omitted=African-American male)								
Latina female	-0.91 **	(0.33)	-0.77	(0.40)	-0.88	(0.54)	-0.52	(0.48)
Latino male	-0.26	(0.29)	-0.46	(0.38)	-0.15	(0.49)	-0.09	(0.39)
African-American female	-0.19	(0.21)	-0.30	(0.29)	-0.07	(0.34)	0.21	(0.22)
First born in family (omitted=no)	-0.78 **	(0.18)	-0.19	(0.20)	-1.22 **	(0.25)	-0.71 **	(0.23)
Early onset of puberty (omitted=on time, late, or not yet)	0.11	(0.28)	0.21	(0.33)	0.16	(0.39)	-0.17	(0.35)
Caregiver and household characteristics								
Number of siblings in household	-0.32 *	(0.15)	-0.38 **	(0.14)	-0.11	(0.24)	-0.10	(0.16)
Caregiver reported depressive symptomatology (omitted=no)	0.71 **	(0.24)	1.02 **	(0.27)	1.00 *	(0.47)	0.84 *	(0.34)
Caregiver age	-2.14 **	(0.24)	-1.23 **	(0.25)	-2.27 **	(0.29)	-2.05 **	(0.29)
Caregiver immigrant status (omitted=no)	-0.20	(0.38)	-0.76	(0.40)	-0.83	(0.72)	-0.31	(0.48)
Caregiver history of substance abuse (omitted=no)	-0.18	(0.26)	-0.84 *	(0.33)	-0.10	(0.51)	-0.26	(0.41)
Caregiver disability status (omitted=not disabled)	1.27 **	(0.30)	0.97 *	(0.39)	0.92	(0.59)	0.99	(0.57)
Caregiver educational attainment (omitted=no degree)								
High school diploma	0.24	(0.25)	0.07	(0.33)	-0.03	(0.51)	-0.09	(0.36)
Post–high school technical certificate	0.33	(0.31)	0.39	(0.30)	0.11	(0.44)	0.52	(0.36)
College degree	-0.48	(0.50)	-0.76	(0.55)	-0.52	(0.87)	-2.33	(1.45)
Caregiver married/partnered (omitted=not married/partnered)	0.06	(0.19)	-0.08	(0.25)	-0.07	(0.33)	-0.24	(0.30)
Natural log of caregiver earnings (in dollars)	-0.33	(0.29)	-0.58 *	(0.28)	-0.12	(0.47)	-0.55	(0.53)
Caregiver was available to monitor/supervise children full/part time (omitted=not available)	-0.94	(0.57)	-1.46 *	(0.57)	-0.86	(0.94)	-1.16	(1.07)
Household stressor scale	0.02	(0.10)	0.07	(0.11)	0.10	(0.16)	0.23	(0.13)
Household had health insurance (omitted=no)	-0.09	(0.28)	0.50	(0.27)	0.09	(0.42)	0.36	(0.32)
Total number of moves from birth to onset	-0.24 *	(0.10)	-0.30 **	(0.11)	-0.15	(0.18)	-0.17	(0.18)
Neighborhood characteristics								
Living in neighborhood with negative peers (omitted=no)	0.17	(0.27)	-0.09	(0.34)	0.20	(0.50)	-0.19	(0.41)
Social capital index	0.35	(0.22)	0.58 *	(0.27)	0.71	(0.42)	0.93 **	(0.26)
Spline: social capital index	-0.56	(0.50)	-0.86	(0.55)	-1.11	(0.72)	-1.25 *	(0.60)
Social problems index	0.71 *	(0.36)	1.00 *	(0.40)	0.23	(0.62)	1.13 *	(0.46)
Spline: social problems index	-0.99 *	(0.47)	-1.71 **	(0.53)	-0.34	(0.80)	-1.38	(0.71)
Social vulnerability score	-0.52	(0.50)	-1.49	(0.99)	-0.45	(0.74)	0.71	(0.70)
Spline: social vulnerability score	0.22	(0.66)	1.17	(1.21)	0.56	(1.10)	-1.02	(1.13)
Percentage African-American residents	0.91	(0.79)	0.00	(0.89)	0.60	(1.11)	-0.11	(0.97)

Spline: percentage African-American residents	-1.16	(0.92)	-0.36	(1.00)	-0.95	(1.38)	-0.45	(1.03)
Percentage Latino residents	-0.79	(0.41)	-1.30 **	(0.46)	-1.04	(0.69)	-1.19	(0.62)
Spline: percentage Latino residents	0.49	(0.58)	0.46	(0.63)	0.32	(0.82)	0.20	(0.86)
Occupational prestige score	-1.07 *	(0.43)	-1.87 **	(0.62)	-0.50	(0.72)	-0.65	(0.74)
Spline: occupational prestige score	0.31	(0.59)	-0.08	(0.80)	-0.50	(0.92)	-0.55	(0.88)
Percentage foreign-born residents	0.39	(0.46)	0.47	(0.56)	0.44	(0.76)	-0.55	(0.71)
Spline: percentage foreign-born residents	-1.16 *	(0.57)	-1.50	(0.85)	-1.18	(0.83)	0.00	(0.95)
Living in neighborhood with hospitals and clinics (omitted=no)	-0.65 *	(0.31)	-0.38	(0.52)	0.22	(0.55)	-0.17	(0.54)
Resource factor score	-0.26	(0.30)	-0.43	(0.32)	-1.46 **	(0.53)	-1.12 *	(0.46)
Spline: resource factor score	0.68	(0.52)	1.32 **	(0.47)	1.98 *	(0.95)	2.30 **	(0.82)
Percentage of housing built before 1940	0.61	(0.43)	1.30 **	(0.42)	1.00	(0.81)	-0.13	(0.57)
Spline: percentage of housing built before 1940	-0.51	(0.61)	-1.13 *	(0.54)	-0.77	(1.09)	0.55	(0.76)
Violent crime rate per 1,000	-0.98 *	(0.46)	-0.50	(0.55)	-0.29	(0.68)	0.31	(0.58)
Spline: violent crime rate per 1,000	0.77	(0.53)	0.01	(0.63)	0.20	(0.76)	-1.29	(0.71)
Property crime rate per 1,000	1.63 **	(0.55)	3.37 **	(0.69)	0.39	(0.81)	2.52 **	(0.83)
Spline: property crime rate per 1,000	-1.31 *	(0.62)	-2.80 **	(0.77)	0.02	(0.98)	-2.35 *	(0.92)
Child abuse and neglect rate per 1,000	0.20	(0.42)	-0.99 *	(0.45)	0.56	(0.62)	-0.56	(0.57)
Spline: child abuse and neglect rate per 1,000	-0.49	(0.46)	0.80	(0.51)	-1.11	(0.70)	0.55	(0.60)
Respiratory hazards index	0.58 *	(0.23)	-0.04	(0.16)	0.07	(0.34)	0.24	(0.28)
Spline: respiratory hazards index	-0.67	(0.40)	-0.10	(0.30)	-0.17	(0.56)	-0.44	(0.53)
Number of observations	739		440		473		361	
Number of clusters	398		272		257		207	
Number of failures	136		119		69		85	
Time at risk	10458		5484		6820		4843	
Log likelihood	-681.80		-524.30		-302.50		-355.90	
Chi-square	431.20 ***		470.90 ***		350.30 ***		370.60 ***	

Notes:

Raw coefficients (that is, not exponentiated) are presented; robust standard errors in parentheses.

*p < 0.05; **p < 0.01; ***p < 0.001

Appendix D-VII-1. Standardized spline multilevel mixed-effects logistic model predicting placement into gifted/advanced classes

	Ever in DHA	
	Coeff.	SE
Predictor measures (all continuous variables reflect standardized values measured at time of first occurrence unless otherwise noted)		
Child characteristics		
Gender and ethnicity of child (omitted=African-American male)		
Latina female	0.08	(0.52)
Latino male	-0.46	(0.53)
African-American female	0.99 *	(0.45)
First born in family (omitted=no)	0.04	(0.33)
Caregiver and household characteristics		
Number of siblings in household	-0.16	(0.19)
Caregiver reported depressive symptomatology (omitted=no)	-0.87	(0.46)
Caregiver age at time of child's birth	-0.18	(0.22)
Caregiver immigrant status (omitted=no)	0.26	(0.56)
Caregiver history of substance abuse (omitted=no)	0.10	(0.55)
Caregiver disability status (omitted=not disabled)	-0.37	(0.61)
Caregiver educational attainment (omitted=no degree)		
High school diploma	1.06 *	(0.45)
Post–high school technical certificate	-0.07	(0.57)
College degree	0.98	(0.61)
Caregiver married/partnered (omitted=not married/partnered)	-0.63	(0.39)
Log of caregiver earnings (in dollars)	0.05	(0.34)
Caregiver was available to monitor/supervise children full/part time (omitted=not available)	-0.75	(0.67)
Household stressor scale	0.14	(0.18)
Household had health insurance (omitted=no)	-0.41	(0.41)
Total number of moves from birth to first occurrence	0.01	(0.17)
School characteristics		
Last school attended was a neighborhood school (omitted=no)	-1.10 **	(0.41)
Last school attended was a nonpublic school (omitted=no)	0.03	(0.46)
Global indicator of teacher/counselor influence	0.21	(0.18)
Neighborhood characteristics		
Living in neighborhood with negative peers (omitted=no)	1.05 *	(0.52)
Social capital index	0.83 *	(0.40)
Spline: social capital index	-0.74	(0.70)
Social problems index	-1.21 *	(0.60)
Spline: social problems index	1.82 *	(0.82)
Social vulnerability score	0.74	(0.85)
Spline: social vulnerability score	-1.21	(1.37)
Percentage African-American residents	1.08	(1.28)
Spline: percentage African-American residents	-1.89	(1.55)
Percentage Latino residents	-0.13	(0.76)
Spline: percentage Latino residents	-1.06	(0.99)
Occupational prestige score	-0.21	(0.69)
Spline: occupational prestige score	-1.56	(1.11)
Percentage foreign-born residents	-1.02	(0.77)
Spline: percentage foreign-born residents	0.96	(1.00)
Percentage of residents who moved in preceding 12 months	0.41	(0.57)
Spline: percentage of residents who moved in preceding 12 months	-0.56	(0.75)
Living in neighborhood with hospitals and clinics (omitted=no)	-0.94	(0.52)
Resource factor score	0.24	(0.56)

Spline: resource factor score	-0.74	(0.88)
Percentage of housing built before 1940	0.83	(0.84)
Spline: percentage of housing built before 1940	-0.67	(1.17)
Violent crime rate per 1,000	-0.71	(0.81)
Spline: violent crime rate per 1,000	0.63	(1.18)
Property crime rate per 1,000	-0.02	(0.85)
Spline: property crime rate per 1,000	0.41	(1.05)
Child abuse and neglect rate per 1,000	-0.04	(0.73)
Spline: child abuse and neglect rate per 1,000	-0.64	(0.89)
Neurological hazards index (rescaled by 100)	—[a]	—[a]
Spline: neurological hazards index (rescaled by 100)	-0.82	(0.71)
Respiratory hazards index (rescaled by 100)	—[a]	—[a]
Spline: respiratory hazards index (rescaled by 100)	0.67	(0.66)
Constant	0.46	(1.43)
LN(SD of random effect)	0.17	(0.33)
Number of observations	769	
Log likelihood	-216.80	
Chi-square	45.19	
LR Chi-square (XTME versus logistic)	5.15 *	

Notes:

Raw coefficients (that is, not exponentiated) are presented; robust standard errors in parentheses.

[a]These variables were excluded from the model due to multicollinearity.
* $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$

Appendix D-VII-2. Standardized spline AFT frailty model predicting timing of placement into gifted/advanced classes

	Ever in DHA	
	Coeff.	SE
Predictor measures (all continuous variables reflect standardized values measured at time of first occurrence unless otherwise noted)		
Child characteristics		
Gender and ethnicity of child (omitted=African-American male)		
Latina female	0.01	(0.11)
Latino male	0.16	(0.11)
African-American female	-0.17 *	(0.09)
First born in family (omitted=no)	-0.02	(0.07)
Caregiver and household characteristics		
Number of siblings in household	0.07	(0.04)
Caregiver reported depressive symptomatology (omitted=no)	0.18	(0.10)
Caregiver age at time of child's birth	0.06	(0.05)
Caregiver immigrant status (omitted=no)	-0.03	(0.10)
Caregiver history of substance abuse (omitted=no)	-0.07	(0.10)
Caregiver disability status (omitted=not disabled)	0.03	(0.12)
Caregiver educational attainment (omitted=no degree)		
High school diploma	-0.25 **	(0.09)
Post–high school technical certificate	-0.02	(0.12)
College degree	-0.24	(0.12)
Caregiver married/partnered (omitted=not married/partnered)	0.14	(0.08)
Log of caregiver earnings (in dollars)	0.02	(0.07)
Caregiver was available to monitor/supervise children full/part time (omitted=not available)	0.15	(0.13)
Household stressor scale	-0.01	(0.04)
Household had health insurance (omitted=no)	0.07	(0.09)
Total number of moves from birth to first occurrence	0.09 *	(0.04)
School characteristics		
Last school attended was a neighborhood school (omitted=no)	-1.10 **	(0.41)
Last school attended was a nonpublic school (omitted=no)	0.03	(0.46)
Global indicator of teacher/counselor influence	-0.06	(0.04)
Neighborhood characteristics		
Living in neighborhood with negative peers (omitted=no)	-0.18	(0.10)
Social capital index	-0.11	(0.08)
Spline: social capital index	0.11	(0.14)
Social problems index	0.20	(0.13)
Spline: social problems index	-0.31	(0.17)
Social vulnerability score	0.10	(0.16)
Spline: social vulnerability score	-0.21	(0.26)
Percentage African-American residents	-0.23	(0.27)
Spline: percentage African-American residents	0.40	(0.30)
Percentage Latino residents	-0.02	(0.15)
Spline: percentage Latino residents	0.32	(0.20)
Occupational prestige score	0.05	(0.12)
Spline: occupational prestige score	0.22	(0.20)
Percentage foreign-born residents	0.25	(0.15)
Spline: percentage foreign-born residents	-0.34	(0.21)
Percentage of residents who moved in preceding 12 months	-0.18	(0.12)
Spline: percentage of residents who moved in preceding 12 months	0.25	(0.15)
Living in neighborhood with hospitals and clinics (omitted=no)	0.15	(0.10)
Resource factor score	0.03	(0.13)

Spline: resource factor score	0.02	(0.20)
Percentage of housing built before 1940	-0.21	(0.16)
Spline: percentage of housing built before 1940	0.18	(0.22)
Violent crime rate per 1,000	-0.01	(0.16)
Spline: violent crime rate per 1,000	0.16	(0.23)
Property crime rate per 1,000	0.14	(0.18)
Spline: property crime rate per 1,000	-0.15	(0.22)
Child abuse and neglect rate per 1,000	-0.05	(0.16)
Spline: child abuse and neglect rate per 1,000	0.09	(0.19)
Neurological hazards index (rescaled by 100)	—[a]	—[a]
Spline: neurological hazards index (rescaled by 100)	0.20	(0.14)
Respiratory hazards index (rescaled by 100)	—[a]	—[a]
Spline: respiratory hazards index (rescaled by 100)	-0.16	(0.14)
Constant	2.82 ***	(0.29)
LN(sigma)	-0.70 ***	(0.08)
Number of observations	769	
Number of clusters	418	
Number of failures	87	
Time at risk	10395	
Sigma	0.50	
Log likelihood	-185.60	
Chi-square	138.10 ***	

Notes:

Raw coefficients (that is, not exponentiated) are presented; robust standard errors in parentheses.

[a]These variables were excluded from the model due to multicollinearity.

* p < 0.05; ** p < 0.01; *** p < 0.001

Appendix D-VII-3. Standardized spline multilevel mixed-effects logistic model predicting placement into special education classes

	Ever in DHA	
	Coeff.	SE
Predictor measures (all continuous variables reflect standardized values measured at time of first occurrence unless otherwise noted)		
Child characteristics		
Gender and ethnicity of child (omitted=African-American male)		
Latina female	-1.18 **	(0.40)
Latino male	-0.29	(0.36)
African-American female	-0.93 *	(0.39)
First born in family (omitted=no)	-0.51	(0.29)
Caregiver and household characteristics		
Number of siblings in household	-0.19	(0.13)
Caregiver reported depressive symptomatology (omitted=no)	0.31	(0.29)
Caregiver age at time of child's birth	-0.21	(0.15)
Caregiver immigrant status (omitted=no)	-0.44	(0.44)
Caregiver history of substance abuse (omitted=no)	-0.15	(0.37)
Caregiver disability status (omitted=not disabled)	0.50	(0.43)
Caregiver educational attainment (omitted=no degree)		
High school diploma	0.06	(0.31)
Post–high school technical certificate	0.50	(0.37)
College degree	-0.33	(0.51)
Caregiver married/partnered (omitted=not married/partnered)	0.55	(0.28)
Log of caregiver earnings (in dollars)	-0.16	(0.23)
Caregiver was available to monitor/supervise children full/part time (omitted=not available)	0.53	(0.48)
Household stressor scale	0.11	(0.13)
Household had health insurance (omitted=no)	0.01	(0.31)
Total number of moves from birth to first occurrence	-0.32 *	(0.15)
School characteristics		
Last school attended was a neighborhood school (omitted=no)	0.46	(0.36)
Last school attended was a nonpublic school (omitted=no)	0.38	(0.35)
Global indicator of teacher/counselor influence	0.06	(0.13)
Neighborhood characteristics		
Living in neighborhood with negative peers (omitted=no)	0.25	(0.36)
Social capital index	-0.22	(0.28)
Spline: social capital index	0.81	(0.52)
Social problems index	0.07	(0.41)
Spline: social problems index	-0.13	(0.56)
Social vulnerability score	0.62	(0.75)
Spline: social vulnerability score	-0.42	(1.06)
Percentage African-American residents	-1.89	(1.06)
Spline: percentage African-American residents	2.48	(1.30)
Percentage Latino residents	-0.54	(0.55)
Spline: percentage Latino residents	0.81	(0.72)
Occupational prestige score	-0.25	(0.49)
Spline: occupational prestige score	-0.69	(0.73)
Percentage foreign-born residents	0.53	(0.57)
Spline: percentage foreign-born residents	-1.02	(0.76)
Percentage of residents who moved in preceding 12 months	-0.19	(0.45)
Spline: percentage of residents who moved in preceding 12 months	-0.55	(0.61)
Living in neighborhood with hospitals and clinics (omitted=no)	0.09	(0.41)
Resource factor score	-0.80 *	(0.40)

Spline: resource factor score	0.91	(0.67)
Percentage of housing built before 1940	1.12	(0.64)
Spline: percentage of housing built before 1940	-1.31	(0.90)
Violent crime rate per 1,000	-1.98 ***	(0.60)
Spline: violent crime rate per 1,000	2.01 *	(0.83)
Property crime rate per 1,000	1.56 *	(0.63)
Spline: property crime rate per 1,000	-0.56	(0.76)
Child abuse and neglect rate per 1,000	-0.15	(0.54)
Spline: child abuse and neglect rate per 1,000	0.11	(0.67)
Neurological hazards index (rescaled by 100)	—[a]	—[a]
Spline: neurological hazards index (rescaled by 100)	-0.58	(0.38)
Respiratory hazards index (rescaled by 100)	—[a]	—[a]
Spline: respiratory hazards index (rescaled by 100)	0.47	(0.43)
Constant	-3.30 **	(1.16)
LN(SD of random effect)	-7.92	(6742.91)
Number of observations	756	
Log likelihood	-247.60	
Chi-square	86.07 **	
LR Chi-square (XTME versus logistic)	0.00	

Notes:

Raw coefficients (that is, not exponentiated) are presented; robust standard errors in parentheses

[a]These variables were excluded from the model due to multicollinearity.

* p < 0.05; ** p < 0.01; *** p < 0.001

Appendix D-VII-4. Standardized spline AFT frailty model predicting timing of placement into special education classes

	Ever in DHA	
	Coeff.	SE
Predictor measures (all continuous variables reflect standardized values measured at time of first occurrence unless otherwise noted)		
Child characteristics		
Gender and ethnicity of child (omitted=African-American male)		
Latina female	0.38 **	(0.13)
Latino male	0.07	(0.12)
African-American female	0.26 *	(0.11)
First born in family (omitted=no)	0.17 *	(0.08)
Caregiver and household characteristics		
Number of siblings in household	0.06	(0.04)
Caregiver reported depressive symptomatology (omitted=no)	-0.09	(0.10)
Caregiver age at time of child's birth	0.08	(0.05)
Caregiver immigrant status (omitted=no)	0.18	(0.14)
Caregiver history of substance abuse (omitted=no)	-0.09	(0.12)
Caregiver disability status (omitted=not disabled)	-0.19	(0.15)
Caregiver educational attainment (omitted=no degree)		
High school diploma	0.02	(0.11)
Post–high school technical certificate	-0.19	(0.13)
College degree	0.08	(0.18)
Caregiver married/partnered (omitted=not married/partnered)	-0.21 *	(0.09)
Log of caregiver earnings (in dollars)	0.03	(0.08)
Caregiver was available to monitor/supervise children full/part time (omitted=not available)	-0.22	(0.16)
Household stressor scale	-0.02	(0.04)
Household had health insurance (omitted=no)	-0.03	(0.11)
Total number of moves from birth to first occurrence	0.23 ***	(0.05)
School characteristics		
Last school attended was a neighborhood school (omitted=no)	0.46	(0.36)
Last school attended was a nonpublic school (omitted=no)	0.38	(0.35)
Global indicator of teacher/counselor influence	-0.02	(0.05)
Neighborhood characteristics		
Living in neighborhood with negative peers (omitted=no)	-0.09	(0.12)
Social capital index	0.12	(0.10)
Spline: social capital index	-0.26	(0.18)
Social problems index	-0.05	(0.16)
Spline: social problems index	0.09	(0.21)
Social vulnerability score	-0.09	(0.25)
Spline: social vulnerability score	-0.25	(0.38)
Percentage African-American residents	0.67	(0.36)
Spline: percentage African-American residents	-0.81	(0.43)
Percentage Latino residents	0.19	(0.16)
Spline: percentage Latino residents	-0.22	(0.23)
Occupational prestige score	0.13	(0.16)
Spline: occupational prestige score	0.17	(0.24)
Percentage foreign-born residents	-0.11	(0.19)
Spline: percentage foreign-born residents	0.20	(0.26)
Percentage of residents who moved in preceding 12 months	-0.06	(0.16)
Spline: percentage of residents who moved in preceding 12 months	0.41 *	(0.20)
Living in neighborhood with hospitals and clinics (omitted=no)	-0.10	(0.13)
Resource factor score	0.38 **	(0.13)

Spline: resource factor score	-0.49 *	(0.23)
Percentage of housing built before 1940	-0.30	(0.21)
Spline: percentage of housing built before 1940	0.33	(0.28)
Violent crime rate per 1,000	0.38	(0.20)
Spline: violent crime rate per 1,000	-0.16	(0.29)
Property crime rate per 1,000	-0.25	(0.19)
Spline: property crime rate per 1,000	-0.03	(0.22)
Child abuse and neglect rate per 1,000	-0.04	(0.19)
Spline: child abuse and neglect rate per 1,000	-0.03	(0.23)
Neurological hazards index (rescaled by 100)	—[a]	—[a]
Spline: neurological hazards index (rescaled by 100)	0.23 *	(0.12)
Respiratory hazards index (rescaled by 100)	—[a]	—[a]
Spline: respiratory hazards index (rescaled by 100)	-0.21	(0.15)
Constant	4.01 ***	(0.39)
LN(sigma)	-0.46 ***	(0.06)
Number of observations	756	
Number of clusters	420	
Number of failures	106	
Time at risk	10170	
Sigma	0.63	
Log likelihood	-242.50	
Chi-square	144.80 ***	

Notes:

Raw coefficients (that is, not exponentiated) are presented; robust standard errors in parentheses.

[a]These variables were excluded from the model due to multicollinearity.

* $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$

Appendix D-VII-5. Standardized spline multilevel mixed-effects logistic model predicting suspensions and expulsions from school

	Ever in DHA	
	Coeff.	SE
Predictor measures (all continuous variables reflect standardized values measured at time of first occurrence unless otherwise noted)		
Child characteristics		
Gender and ethnicity of child (omitted=African-American male)		
Latina female	-0.36	(0.39)
Latino male	-0.29	(0.38)
African-American female	-0.68 *	(0.35)
First born in family (omitted=no)	-0.22	(0.27)
Caregiver and household characteristics		
Number of siblings in household	-0.09	(0.15)
Caregiver reported depressive symptomatology (omitted=no)	0.87 **	(0.33)
Caregiver age at time of child's birth	-0.11	(0.16)
Caregiver immigrant status (omitted=no)	-0.55	(0.46)
Caregiver history of substance abuse (omitted=no)	0.30	(0.41)
Caregiver disability status (omitted=not disabled)	-0.33	(0.47)
Caregiver educational attainment (omitted=no degree)		
High school diploma	-0.11	(0.33)
Post–high school technical certificate	0.06	(0.41)
College degree	-0.05	(0.46)
Caregiver married/partnered (omitted=not married/partnered)	0.29	(0.29)
Log of caregiver earnings (in dollars)	0.27	(0.27)
Caregiver was available to monitor/supervise children full/part time (omitted=not available)	-0.27	(0.52)
Household stressor scale	0.20	(0.14)
Household had health insurance (omitted=no)	-0.23	(0.31)
Total number of moves from birth to first occurrence	-0.02	(0.13)
School characteristics		
Last school attended was a neighborhood school (omitted=no)	0.11	(0.33)
Last school attended was a nonpublic school (omitted=no)	0.17	(0.38)
Global indicator of teacher/counselor influence	-0.03	(0.14)
Neighborhood characteristics		
Living in neighborhood with negative peers (omitted=no)	0.49	(0.37)
Social capital index	0.47	(0.31)
Spline: social capital index	-0.24	(0.54)
Social problems index	0.31	(0.43)
Spline: social problems index	-0.38	(0.59)
Social vulnerability score	0.45	(0.64)
Spline: social vulnerability score	-0.13	(1.01)
Percentage African-American residents	0.38	(0.97)
Spline: percentage African-American residents	-0.65	(1.16)
Percentage Latino residents	-1.31 *	(0.56)
Spline: percentage Latino residents	2.09 **	(0.76)
Occupational prestige score	0.36	(0.51)
Spline: occupational prestige score	-1.30	(0.76)
Percentage foreign-born residents	1.63 **	(0.59)
Spline: percentage foreign-born residents	-3.09 ***	(0.83)
Percentage of residents who moved in preceding 12 months	0.78	(0.43)
Spline: percentage of residents who moved in preceding 12 months	-1.19 *	(0.59)
Living in neighborhood with hospitals and clinics (omitted=no)	-0.42	(0.44)
Resource factor score	0.18	(0.47)

Spline: resource factor score	0.08	(0.72)
Percentage of housing built before 1940	0.23	(0.60)
Spline: percentage of housing built before 1940	0.31	(0.84)
Violent crime rate per 1,000	-1.41 *	(0.66)
Spline: violent crime rate per 1,000	1.28	(0.89)
Property crime rate per 1,000	1.36 *	(0.66)
Spline: property crime rate per 1,000	-0.55	(0.80)
Child abuse and neglect rate per 1,000	0.12	(0.57)
Spline: Child abuse and neglect rate per 1,000	-0.46	(0.69)
Neurological hazards index (rescaled by 100)	—[a]	—[a]
Spline: neurological hazards index (rescaled by 100)	-1.01	(0.48)
Respiratory hazards index (rescaled by 100)	—[a]	—[a]
Spline: respiratory hazards index (rescaled by 100)	0.68	(0.50)
Constant	0.66	(1.11)
LN(SD of random effect)	0.14	(0.29)
Number of observations	768	
Log likelihood	-342.20	
Chi-square	60.02	
LR Chi-square (XTME versus logistic)	6.45 **	

Notes:

Raw coefficients (that is, not exponentiated) are presented; robust standard errors in parentheses.

[a]These variables were excluded from the model due to multicollinearity.

* $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$

Appendix D-VII-6. Standardized spline AFT frailty model predicting timing of suspensions and expulsions from school

	Ever in DHA	
	Coeff.	SE

Predictor measures (all continuous variables reflect standardized values measured at time of first occurrence unless otherwise noted)

Child characteristics

Gender and ethnicity of child (omitted=African-American male)

Latina female	0.14 *	(0.06)
Latino male	0.07	(0.06)
African-American female	0.10	(0.06)
First born in family (omitted=no)	-0.01	(0.05)
Caregiver and household characteristics	0.00	(0.02)
Number of siblings in household		
Caregiver reported depressive symptomatology (omitted=no)	-0.15 **	(0.06)
Caregiver age at time of child's birth	0.04	(0.03)
Caregiver immigrant status (omitted=no)	0.06	(0.08)
Caregiver history of substance abuse (omitted=no)	-0.08	(0.06)
Caregiver disability status (omitted=not disabled)	-0.01	(0.06)
Caregiver educational attainment (omitted=no degree)		
High school diploma	0.02	(0.05)
Post–high school technical certificate	0.00	(0.07)
College degree	0.01	(0.08)
Caregiver married/partnered (omitted=not married/partnered)	-0.04	(0.05)
Log of caregiver earnings (in dollars)	-0.05	(0.05)
Caregiver was available to monitor/supervise children full/part time (omitted=not available)	0.03	(0.09)
Household stressor scale	-0.02	(0.02)
Household had health insurance (omitted=no)	0.03	(0.05)
Total number of moves from birth to first occurrence	0.09 ***	(0.02)
School characteristics		
Last school attended was a neighborhood school (omitted=no)	0.11	(0.33)
Last school attended was a nonpublic school (omitted=no)	0.17	(0.38)
Global indicator of teacher/counselor influence	0.01	(0.03)
Neighborhood characteristics		
Living in neighborhood with negative peers (omitted=no)	-0.05	(0.06)
Social capital index	-0.06	(0.05)
Spline: social capital index	0.08	(0.09)
Social problems index	-0.08	(0.07)
Spline: social problems index	0.14	(0.09)
Social vulnerability score	0.04	(0.10)
Spline: social vulnerability score	-0.38 *	(0.16)
Percentage African-American residents	0.07	(0.16)
Spline: percentage African-American residents	-0.06	(0.19)
Percentage Latino residents	0.19 *	(0.09)
Spline: percentage Latino residents	-0.27 *	(0.12)
Occupational prestige score	-0.13	(0.09)
Spline: occupational prestige score	0.20	(0.13)
Percentage foreign-born residents	-0.28 **	(0.09)
Spline: percentage foreign-born residents	0.42 ***	(0.13)
Percentage of residents who moved in preceding 12 months	-0.21 ***	(0.06)
Spline: percentage of residents who moved in preceding 12 months	0.36 ***	(0.08)
Living in neighborhood with hospitals and clinics (omitted=no)	0.03	(0.06)
Resource factor score	0.03	(0.08)

Spline: resource factor score	-0.09	(0.13)
Percentage of housing built before 1940	-0.07	(0.11)
Spline: percentage of housing built before 1940	0.02	(0.15)
Violent crime rate per 1,000	0.09	(0.11)
Spline: violent crime rate per 1,000	0.03	(0.15)
Property crime rate per 1,000	-0.08	(0.10)
Spline: property crime rate per 1,000	0.06	(0.12)
Child abuse and neglect rate per 1,000	-0.07	(0.09)
Spline: child abuse and neglect rate per 1,000	0.02	(0.11)
Neurological hazards index (rescaled by 100)	—[a]	—[a]
Spline: neurological hazards index (rescaled by 100)	0.14 *	(0.06)
Respiratory hazards index (rescaled by 100)	—[a]	—[a]
Spline: respiratory hazards index (rescaled by 100)	-0.11	(0.07)
Constant	2.68 ***	(0.19)
LN(sigma)	-1.03 ***	(0.06)
Number of observations	768	
Number of clusters	429	
Number of failures	174	
Time at risk	10213	
Sigma	0.36	
Log likelihood	-231.60	
Chi-square	149.00 ***	

Notes:

Raw coefficients (that is, not exponentiated) are presented; robust standard errors in parentheses.

[a]These variables were excluded from the model due to multicollinearity.

* $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$

Appendix D-VII-7. Standardized spline multilevel mixed-effects logistic model predicting repeating a grade

	Ever in DHA	
	Coeff.	SE
Predictor measures (all continuous variables reflect standardized values measured at time of first occurrence unless otherwise noted)		
Child characteristics		
Gender and ethnicity of child (omitted=African-American male)		
Latina female	-0.97	(0.53)
Latino male	0.11	(0.45)
African-American female	0.05	(0.46)
First born in family (omitted=no)	0.10	(0.33)
Caregiver and household characteristics		
Number of siblings in household	-0.28	(0.17)
Caregiver reported depressive symptomatology (omitted=no)	0.58	(0.35)
Caregiver age at time of child's birth	-0.07	(0.18)
Caregiver immigrant status (omitted=no)	0.51	(0.51)
Caregiver history of substance abuse (omitted=no)	-0.48	(0.51)
Caregiver disability status (omitted=not disabled)	-0.61	(0.65)
Caregiver educational attainment (omitted=no degree)		
High school diploma	0.47	(0.39)
Post–high school technical certificate	0.30	(0.48)
College degree	0.06	(0.58)
Caregiver married/partnered (omitted=not married/partnered)	0.55	(0.33)
Log of caregiver earnings (in dollars)	0.02	(0.32)
Caregiver was available to monitor/supervise children full/part time (omitted=not available)	-0.10	(0.64)
Household stressor scale	0.27	(0.17)
Household had health insurance (omitted=no)	0.42	(0.39)
Total number of moves from birth to first occurrence	-0.25	(0.17)
School characteristics		
Last school attended was a neighborhood school (omitted=no)	0.04	(0.42)
Last school attended was a nonpublic school (omitted=no)	-0.34	(0.49)
Global indicator of teacher/counselor influence	-0.14	(0.15)
Neighborhood characteristics		
Living in neighborhood with negative peers (omitted=no)	-0.70	(0.45)
Social capital index	-0.28	(0.32)
Spline: social capital index	0.19	(0.62)
Social problems index	1.68 ***	(0.51)
Spline: social problems index	-2.03 **	(0.67)
Social vulnerability score	0.12	(1.01)
Spline: social vulnerability score	0.81	(1.42)
Percentage African-American residents	-1.33	(1.36)
Spline: percentage African-American residents	1.23	(1.61)
Percentage Latino residents	-1.06	(0.75)
Spline: percentage Latino residents	0.14	(0.90)
Occupational prestige score	-0.73	(0.65)
Spline: occupational prestige score	-0.28	(0.91)
Percentage foreign-born residents	2.13 **	(0.74)
Spline: percentage foreign-born residents	-4.31 ***	(1.19)
Percentage of residents who moved in preceding 12 months	0.19	(0.66)
Spline: percentage of residents who moved in preceding 12 months	-1.21	(0.85)
Living in neighborhood with hospitals and clinics (omitted=no)	0.02	(0.53)
Resource factor score	0.79	(0.72)

Spline: resource factor score	-0.42	(0.98)
Percentage of housing built before 1940	2.93 ***	(0.89)
Spline: percentage of housing built before 1940	-3.59 **	(1.17)
Violent crime rate per 1,000	-2.16 **	(0.75)
Spline: violent crime rate per 1,000	2.30 *	(0.99)
Property crime rate per 1,000	1.82 *	(0.84)
Spline: property crime rate per 1,000	-0.62	(1.00)
Child abuse and neglect rate per 1,000	-0.85	(0.76)
Spline: child abuse and neglect rate per 1,000	0.49	(0.86)
Neurological hazards index (rescaled by 100)	—[a]	—[a]
Spline: neurological hazards index (rescaled by 100)	-1.84 *	(0.76)
Respiratory hazards index (rescaled by 100)	—[a]	—[a]
Spline: respiratory hazards index (rescaled by 100)	1.59 *	(0.65)
Constant	-0.18	(1.37)
LN(SD of random effect)	-10.16	(5.61E+04)
Number of observations	754	
Log likelihood	-175.70	
Chi-square	88.20 ***	
LR Chi-square (XTME versus logistic)	0.00	

Notes:

Raw coefficients (that is, not exponentiated) are presented; robust standard errors in parentheses.

[a]These variables were excluded from the model due to multicollinearity.

* p < 0.05; ** p < 0.01; *** p < 0.001

Appendix D-VII-8. Standardized spline Cox model predicting hazard of repeating a grade

	Ever in DHA	
	Coeff.	SE
Predictor measures (all continuous variables reflect standardized values measured at time of first occurrence unless otherwise noted)		
Child characteristics		
Gender and ethnicity of child (omitted=African-American male)		
Latina female	-0.91	(0.48)
Latino male	-0.16	(0.43)
African-American female	0.03	(0.40)
First born in family (omitted=no)	0.12	(0.29)
Caregiver and household characteristics		
Number of siblings in household	-0.17	(0.16)
Caregiver reported depressive symptomatology (omitted=no)	0.57	(0.33)
Caregiver age at time of child's birth	-0.02	(0.17)
Caregiver immigrant status (omitted=no)	0.44	(0.44)
Caregiver history of substance abuse (omitted=no)	-0.06	(0.44)
Caregiver disability status (omitted=not disabled)	-0.52	(0.39)
Caregiver educational attainment (omitted=no degree)		
High school diploma	0.33	(0.34)
Post–high school technical certificate	0.37	(0.44)
College degree	-0.02	(0.73)
Caregiver married/partnered (omitted=not married/partnered)	0.36	(0.31)
Log of caregiver earnings (in dollars)	0.07	(0.29)
Caregiver was available to monitor/supervise children full/part time (omitted=not available)	-0.01	(0.54)
Household stressor scale	0.19	(0.15)
Household had health insurance (omitted=no)	0.21	(0.37)
Total number of moves from birth to first occurrence	-0.30	(0.19)
School characteristics		
Last school attended was a neighborhood school (omitted=no)	0.04	(0.42)
Last school attended was a nonpublic school (omitted=no)	-0.34	(0.49)
Global indicator of teacher/counselor influence	-0.07	(0.15)
Neighborhood characteristics		
Living in neighborhood with negative peers (omitted=no)	-0.31	(0.46)
Social capital index	-0.22	(0.33)
Spline: social capital index	0.12	(0.59)
Social problems index	1.16 **	(0.44)
Spline: social problems index	-1.51 *	(0.62)
Social vulnerability score	0.29	(0.98)
Spline: social vulnerability score	0.44	(1.09)
Percentage African-American residents	-0.75	(1.32)
Spline: percentage African-American residents	0.57	(1.53)
Percentage Latino residents	-0.37	(0.63)
Spline: percentage Latino residents	-0.24	(0.66)
Occupational prestige score	-0.43	(0.64)
Spline: occupational prestige score	-0.01	(1.00)
Percentage foreign-born residents	1.33 *	(0.68)
Spline: percentage foreign-born residents	-3.24 **	(1.05)
Percentage of residents who moved in preceding 12 months	0.19	(0.73)
Spline: percentage of residents who moved in preceding 12 months	-1.17	(0.82)
Living in neighborhood with hospitals and clinics (omitted=no)	-0.02	(0.52)
Resource factor score	0.88	(0.76)
Spline: resource factor score	-0.64	(0.96)

Percentage of housing built before 1940	1.76 **	(0.65)
Spline: percentage of housing built before 1940	-2.17 *	(0.92)
Violent crime rate per 1,000	-1.03	(0.62)
Spline: violent crime rate per 1,000	1.15	(0.82)
Property crime rate per 1,000	0.85	(0.61)
Spline: property crime rate per 1,000	-0.11	(0.69)
Child abuse and neglect rate per 1,000	-0.78	(0.69)
Spline: child abuse and neglect rate per 1,000	0.63	(0.82)
Neurological hazards index (rescaled by 100)	—[a]	—[a]
Spline: neurological hazards index (rescaled by 100)	-1.26 *	(0.60)
Respiratory hazards index (rescaled by 100)	—[a]	—[a]
Spline: respiratory hazards index (rescaled by 100)	1.22 *	(0.59)
Number of observations	754	
Number of clusters	422	
Number of failures	78	
Time at risk	10103	
Log likelihood	-418.50	
Chi-square	159.70 ***	

Notes:

Raw coefficients (that is, not exponentiated) are presented; robust standard errors in parentheses.

[a]These variables were excluded from the model due to multicollinearity.
* $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$

Appendix D-VII-9. Standardized spline multilevel mixed-effects logistic model predicting leaving school without a diploma

	Ever in DHA	
	Coeff.	SE
Predictor measures (all continuous variables reflect standardized values measured at time of first occurrence unless otherwise noted)		
Child characteristics		
Gender and ethnicity of child (omitted=African-American male)		
Latina female	0.25	(0.57)
Latino male	-0.06	(0.56)
African-American female	-0.88	(0.55)
First born in family (omitted=no)	0.04	(0.41)
Caregiver and household characteristics		
Number of siblings in household	0.24	(0.20)
Caregiver reported depressive symptomatology (omitted=no)	1.09 **	(0.42)
Caregiver age at time of child's birth	0.02	(0.21)
Caregiver immigrant status (omitted=no)	-1.06	(0.67)
Caregiver history of substance abuse (omitted=no)	0.69	(0.50)
Caregiver disability status (omitted=not disabled)	0.52	(0.56)
Caregiver educational attainment (omitted=no degree)		
High school diploma	-0.33	(0.44)
Post–high school technical certificate	-0.43	(0.62)
College degree	-1.35	(0.78)
Caregiver married/partnered (omitted=not married/partnered)	0.59	(0.38)
Log of caregiver earnings (in dollars)	0.66	(0.34)
Caregiver was available to monitor/supervise children full/part time (omitted=not available)	1.10	(0.64)
Household stressor scale	0.09	(0.20)
Household had health insurance (omitted=no)	-0.37	(0.50)
Total number of moves from birth to first occurrence	-0.08	(0.18)
School characteristics		
Last school attended was a neighborhood school (omitted=no)	1.21 *	(0.59)
Last school attended was a nonpublic school (omitted=no)	-0.67	(0.53)
Global indicator of teacher/counselor influence	-0.36 *	(0.18)
Neighborhood characteristics		
Living in neighborhood with negative peers (omitted=no)	0.30	(0.52)
Social capital index	0.59	(0.43)
Spline: social capital index	-0.77	(0.78)
Social problems index	1.17	(0.66)
Spline: social problems index	-1.06	(0.91)
Social vulnerability score	-0.58	(0.93)
Spline: social vulnerability score	-0.33	(1.32)
Percentage African-American residents	-1.26	(1.59)
Spline: percentage African-American residents	1.10	(1.88)
Percentage Latino residents	-1.50	(0.83)
Spline: percentage Latino residents	0.90	(1.02)
Occupational prestige score	-2.09 **	(0.77)
Spline: occupational prestige score	0.37	(1.06)
Percentage foreign-born residents	0.84	(0.80)
Spline: percentage foreign-born residents	-2.16	(1.23)
Percentage of residents who moved in preceding 12 months	1.21 *	(0.61)
Spline: percentage of residents who moved in preceding 12 months	-1.72 *	(0.84)
Living in neighborhood with hospitals and clinics (omitted=no)	-0.68	(0.59)
Resource factor score	0.61	(0.71)

Spline: resource factor score	-1.06	(1.09)
Percentage of housing built before 1940	0.81	(0.93)
Spline: percentage of housing built before 1940	-0.09	(1.26)
Violent crime rate per 1,000	-3.65 ***	(0.78)
Spline: violent crime rate per 1,000	3.89 ***	(1.02)
Property crime rate per 1,000	4.03 ***	(0.98)
Spline: property crime rate per 1,000	-2.94 **	(1.08)
Child abuse and neglect rate per 1,000	-1.05	(0.78)
Spline: child abuse and neglect rate per 1,000	1.40	(0.92)
Neurological hazards index (rescaled by 100)	—[a]	—[a]
Spline: neurological hazards index (rescaled by 100)	-1.55 *	(0.65)
Respiratory hazards index (rescaled by 100)	—[a]	—[a]
Spline: respiratory hazards index (rescaled by 100)	1.76 *	(0.68)
Constant	-2.90	(1.72)
LN(SD of random effect)	-11.27	(6.36E+04)
Number of observations	571	
Log likelihood	-134.20	
Chi-square	89.75 ***	
LR Chi-square (XTME versus logistic)	0.00	

Notes:

Raw coefficients (that is, not exponentiated) are presented; robust standard errors in parentheses.

[a]These variables were excluded from the model due to multicollinearity.

* $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$

Appendix D-VII-10. Standardized spline Cox model predicting hazard of leaving school without a diploma

	Ever in DHA	
	Coeff.	SE
Predictor measures (all continuous variables reflect standardized values measured at time of first occurrence unless otherwise noted)		
Child characteristics		
Gender and ethnicity of child (omitted=African-American male)		
Latina female	0.07	(0.42)
Latino male	-0.33	(0.43)
African-American female	-0.97	(0.38)
First born in family (omitted=no)	0.09	(0.25)
Caregiver and household characteristics		
Number of siblings in household	0.01	(0.15)
Caregiver reported depressive symptomatology (omitted=no)	0.87	(0.33)
Caregiver age at time of child's birth	0.11	(0.14)
Caregiver immigrant status (omitted=no)	-0.44	(0.47)
Caregiver history of substance abuse (omitted=no)	0.46	(0.40)
Caregiver disability status (omitted=not disabled)	0.34	(0.42)
Caregiver educational attainment (omitted=no degree)		
High school diploma	-0.21	(0.30)
Post–high school technical certificate	0.10	(0.51)
College degree	-0.90	(0.59)
Caregiver married/partnered (omitted=not married/partnered)	0.50	(0.35)
Log of caregiver earnings (in dollars)	0.56 **	(0.21)
Caregiver was available to monitor/supervise children full/part time (omitted=not available)	1.13 *	(0.48)
Household stressor scale	0.18	(0.18)
Household had health insurance (omitted=no)	0.13	(0.52)
Total number of moves from birth to first occurrence	-0.19	(0.13)
School characteristics		
Last school attended was a neighborhood school (omitted=no)	1.21 *	(0.59)
Last school attended was a nonpublic school (omitted=no)	-0.67	(0.53)
Global indicator of teacher/counselor influence	-0.30 *	(0.15)
Neighborhood characteristics		
Living in neighborhood with negative peers (omitted=no)	0.48	(0.40)
Social capital index	0.22	(0.29)
Spline: social capital index	0.03	(0.56)
Social problems index	0.60	(0.56)
Spline: social problems index	-0.47	(0.76)
Social vulnerability score	-1.19	(0.72)
Spline: social vulnerability score	0.65	(0.89)
Percentage African-American residents	0.18	(1.08)
Spline: percentage African-American residents	-0.45	(1.29)
Percentage Latino residents	-0.70	(0.63)
Spline: percentage Latino residents	0.50	(0.75)
Occupational prestige score	-1.45 *	(0.62)
Spline: occupational prestige score	0.93	(0.72)
Percentage foreign-born residents	0.29	(0.55)
Spline: percentage foreign-born residents	-1.01	(0.81)
Percentage of residents who moved in preceding 12 months	1.53 **	(0.51)
Spline: percentage of residents who moved in preceding 12 months	-2.03 **	(0.65)
Living in neighborhood with hospitals and clinics (omitted=no)	-0.29	(0.45)
Resource factor score	0.04	(0.61)

Spline: resource factor score	-0.58	(0.78)
Percentage of housing built before 1940	0.22	(0.90)
Spline: percentage of housing built before 1940	0.02	(1.19)
Violent crime rate per 1,000	-1.91 **	(0.64)
Spline: violent crime rate per 1,000	2.30 **	(0.76)
Property crime rate per 1,000	2.94 **	(0.93)
Spline: property crime rate per 1,000	-2.58 *	(1.02)
Child abuse and neglect rate per 1,000	-0.63	(0.66)
Spline: child abuse and neglect rate per 1,000	0.70	(0.71)
Neurological hazards index (rescaled by 100)	—[a]	—[a]
Spline: neurological hazards index (rescaled by 100)	-0.87 *	(0.37)
Respiratory hazards index (rescaled by 100)	—[a]	—[a]
Spline: respiratory hazards index (rescaled by 100)	1.51 ***	(0.39)
Number of observations	571	
Number of clusters	329	
Number of failures	75	
Time at risk	8991	
Log likelihood	-369.50	
Chi-square	159.80 ***	

Notes:

Raw coefficients (that is, not exponentiated) are presented; robust standard errors in parentheses.

[a]These variables were excluded from the model due to multicollinearity.

* $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$

Appendix D-VIII-1. Standardized spline logit model predicting teen employment

	Ever in DHA	
	Coeff.	SE
Predictor measures (all continuous variables reflect standardized values calculated as an average of measures taken during high school stage unless otherwise noted)		
Child characteristics		
Gender and ethnicity of child (omitted=African-American male)		
Latina female	-0.39	(0.46)
Latino male	-0.80	(0.44)
African-American female	-0.67	(0.34)
First born in family (omitted=no)	0.40	(0.27)
Age when first worked during high school (omitted=age 14)		
Age 15	-2.30 **	(0.81)
Age 16	-1.23 *	(0.50)
Age 17	-0.16	(0.42)
Caregiver and household characteristics		
Number of siblings in household	-0.21	(0.17)
Caregiver reported depressive symptomatology (omitted=no)	0.22	(0.35)
Caregiver age at time of child's birth	-0.20	(0.18)
Caregiver immigrant status (omitted=no)	-0.09	(0.39)
Caregiver history of substance abuse (omitted=no)	-0.17	(0.43)
Proportion of high school stage caregiver was disabled	-0.13	(0.13)
Caregiver educational attainment when child first worked (omitted=no degree)		
High school diploma	0.05	(0.32)
Post–high school technical certificate	-0.33	(0.46)
College degree	-0.17	(0.49)
Proportion of high school stage with two caregivers present in household	-0.16	(0.15)
Log of average caregiver earnings (in dollars)	0.56 *	(0.23)
Caregiver was available to monitor/supervise children full/part time during high school stage (omitted=not available)	0.44	(0.45)
Household stressor scale	-0.23	(0.14)
Proportion of high school stage when household had health insurance	0.10	(0.13)
Total number of moves during high school stage	-0.14	(0.12)
Macroeconomic characteristics		
Annual growth rate in U.S. GDP during year when child first worked	0.02	(0.12)
Neighborhood characteristics		
Proportion of high school stage spent in neighborhood with negative peers	0.49	(0.74)
Spline: proportion of high school stage spent in neighborhood with negative peers	-1.05	(1.55)
Social capital index	0.39	(0.25)
Spline: social capital index	-0.46	(0.49)
Social problems index	0.67	(0.42)
Spline: social problems index	-0.77	(0.61)
Social vulnerability score	0.01	(0.54)
Spline: social vulnerability score	-1.09	(0.74)
Percentage African-American residents	0.08	(0.86)
Spline: percentage African-American residents	-0.37	(1.08)
Percentage Latino residents	-0.18	(0.59)
Spline: percentage Latino residents	-0.41	(0.70)
Occupational prestige score	-0.67	(0.43)
Spline: occupational prestige score	0.31	(0.74)
Percentage foreign-born residents	-0.52	(0.50)
Spline: percentage foreign-born residents	0.65	(0.65)
Percentage of residents who moved in preceding 12 months	-0.40	(0.39)

Spline: percentage of residents who moved in preceding 12 months	1.06	(0.56)
Proportion of high school stage living in neighborhood with hospitals and clinics	0.21	(0.16)
Spline: proportion of high school stage living in neighborhood with hospitals and clinics	—[a]	—[a]
Resource factor score	0.27	(0.52)
Spline: resource factor score	-0.85	(0.82)
Percentage of housing built before 1940	0.42	(0.49)
Spline: percentage of housing built before 1940	-0.47	(0.72)
Violent crime rate per 1,000	-1.06	(0.83)
Spline: violent crime rate per 1,000	0.85	(0.91)
Property crime rate per 1,000	0.74	(0.73)
Spline: property crime rate per 1,000	0.08	(0.81)
Child abuse and neglect rate per 1,000	0.28	(0.52)
Spline: child abuse and neglect rate per 1,000	0.19	(0.62)
Constant	1.14	(1.00)
Number of observations	444	
Number of clusters	272	
Log likelihood	-237.24	
Chi-square	91.73 ***	
Pseudo-R^2	0.22	

Notes:

Raw coefficients (that is, not exponentiated) are presented; robust standard errors in parentheses.

[a]The spline version of this variable was excluded from the model because of collinearity.

* $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$

Appendix D-VIII-2. Standardized spline logit model predicting teen employment for 20+ hours per week

	Ever in DHA	
	Coeff.	**SE**

Predictor measures (all continuous variables reflect standardized values calculated as an average of measures taken during high school stage unless otherwise noted)

Child characteristics

Gender and ethnicity of child (omitted=African-American male)		
Latina female	-0.97	(0.51)
Latino male	-1.06 *	(0.48)
African-American female	-0.54	(0.40)
First born in family (omitted=no)	0.21	(0.28)
Age when first worked during high school (omitted=age 14)		
Age 15	—[a]	—[a]
Age 16	-0.97	(0.56)
Age 17	-0.55	(0.48)
Caregiver and household characteristics		
Number of siblings in household	0.14	(0.17)
Caregiver reported depressive symptomatology (omitted=no)	-0.34	(0.40)
Caregiver age at time of child's birth	-0.16	(0.19)
Caregiver immigrant status (omitted=no)	0.24	(0.37)
Caregiver history of substance abuse (omitted=no)	-0.40	(0.53)
Proportion of high school stage caregiver was disabled	-0.03	(0.13)
Caregiver educational attainment when child first worked (omitted=no degree)		
High school diploma	0.19	(0.38)
Post–high school technical certificate	-0.26	(0.55)
College degree	0.20	(0.50)
Proportion of high school stage with two caregivers present in household	-0.16	(0.15)
Log of average caregiver earnings (in dollars)	0.50	(0.27)
Caregiver was available to monitor/supervise children full/part time during high school stage (omitted=not available)	0.76	(0.50)
Household stressor scale	-0.10	(0.15)
Proportion of high school stage when household had health insurance	-0.07	(0.15)
Total number of moves during high school stage	-0.09	(0.15)
Macroeconomic characteristics		
Annual growth rate in U.S. GDP during year when child first worked	0.30 *	(0.13)
Neighborhood characteristics		
Proportion of high school stage spent in neighborhood with negative peers	0.12	(0.78)
Spline: proportion of high school stage spent in neighborhood with negative peers	0.23	(1.61)
Social capital index	0.61 *	(0.28)
Spline: social capital index	-1.11 *	(0.56)
Social problems index	0.10	(0.44)
Spline: social problems index	-0.57	(0.62)
Social vulnerability score	-0.56	(0.56)
Spline: social vulnerability score	-0.17	(0.82)
Percentage African-American residents	1.34	(0.91)
Spline: percentage African-American residents	-1.97	(1.09)
Percentage Latino residents	0.24	(0.59)
Spline: percentage Latino residents	-0.70	(0.79)
Occupational prestige score	-0.81	(0.50)
Spline: occupational prestige score	0.17	(0.77)
Percentage foreign-born residents	-0.63	(0.53)
Spline: percentage foreign-born residents	0.42	(0.75)

Percentage of residents who moved in preceding 12 months	0.01	(0.43)
Spline: percentage of residents who moved in preceding 12 months	0.45	(0.62)
Proportion of high school stage living in neighborhood with hospitals and clinics	0.20	(0.16)
Spline: proportion of high school stage living in neighborhood with hospitals and clinics	—[b]	—[b]
Resource factor score	0.13	(0.51)
Spline: resource factor score	-0.44	(0.81)
Percentage of housing built before 1940	0.18	(0.52)
Spline: percentage of housing built before 1940	-0.19	(0.77)
Violent crime rate per 1,000	-1.25	(0.89)
Spline: violent crime rate per 1,000	0.83	(1.00)
Property crime rate per 1,000	1.09	(0.85)
Spline: property crime rate per 1,000	-1.03	(0.91)
Child abuse and neglect rate per 1,000	0.54	(0.57)
Spline: child abuse and neglect rate per 1,000	-0.45	(0.68)
Constant	1.24	(1.07)
Number of observations	399	
Number of clusters	244	
Log likelihood	-210.02	
Chi-square	57.04	
Pseudo-R^2	0.14	

Raw coefficients (that is, not exponentiated) are presented; robust standard errors in parentheses.

[a]Age 15 was excluded from the analysis because it was perfectly predictive.

[b]The spline version of this variable was excluded from the model because of collinearity.

* $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$

Appendix D-VIII-3. Standardized spline Tobit model predicting teen weekly hours worked

	Ever in DHA	
	Coeff.	SE
Predictor measures (all continuous variables reflect standardized values calculated as an average of measures taken during high school stage unless otherwise noted)		
Child characteristics		
Gender and ethnicity of child (omitted=African-American male)		
Latina female	-4.96	(3.99)
Latino male	-7.46	(4.02)
African-American female	-5.68	(3.60)
First born in family (omitted=no)	3.70	(2.55)
Age when first worked during high school (omitted=age 14)		
Age 15	-25.31 ***	(6.52)
Age 16	-10.89 *	(4.95)
Age 17	-3.51	(4.07)
Caregiver and household characteristics		
Number of siblings in household	-1.08	(1.33)
Caregiver reported depressive symptomatology (omitted=no)	0.79	(2.93)
Caregiver age at time of child's birth	-1.25	(1.46)
Caregiver immigrant status (omitted=no)	1.11	(3.70)
Caregiver history of substance abuse (omitted=no)	-2.05	(3.57)
Proportion of high school stage caregiver was disabled	-1.01	(1.21)
Caregiver educational attainment when child first worked (omitted=no degree)		
High school diploma	1.38	(2.92)
Post–high school technical certificate	-2.15	(3.77)
College degree	0.91	(4.13)
Proportion of high school stage with two caregivers present in household	-1.05	(1.24)
Log of average caregiver earnings (in dollars)	5.60 *	(2.23)
Caregiver was available to monitor/supervise children full/part time during high school stage (omitted=not available)	5.08	(4.34)
Household stressor scale	-2.04	(1.30)
Proportion of high school stage when household had health insurance	0.77	(1.27)
Total number of moves during high school stage	-1.16	(1.29)
Macroeconomic characteristics		
Annual growth rate in U.S. GDP during year when child first worked	0.70	(1.21)
Neighborhood characteristics		
Proportion of high school stage spent in neighborhood with negative peers	5.96	(7.40)
Spline: proportion of high school stage spent in neighborhood with negative peers	-10.14	(15.39)
Social capital index	5.06 *	(2.52)
Spline: social capital index	-8.28	(4.62)
Social problems index	6.00	(3.53)
Spline: social problems index	-9.20	(5.02)
Social vulnerability score	-3.28	(5.27)
Spline: social vulnerability score	-6.69	(7.18)
Percentage African-American residents	3.73	(7.76)
Spline: percentage African-American residents	-7.65	(9.34)
Percentage Latino residents	-0.34	(4.95)
Spline: percentage Latino residents	-7.59	(5.95)
Occupational prestige score	-8.12 *	(4.11)
Spline: occupational prestige score	3.20	(5.92)
Percentage foreign-born residents	-5.56	(4.73)
Spline: percentage foreign-born residents	7.36	(6.15)
Percentage of residents who moved in preceding 12 months	-1.42	(3.73)
Spline: percentage of residents who moved in preceding 12 months	6.37	(5.48)

Proportion of high school stage living in neighborhood with hospitals and clinics	2.15	(1.32)
Spline: proportion of high school stage living in neighborhood with hospitals and clinics	—[b]	—[b]
Resource factor score	-0.26	(4.16)
Spline: resource factor score	-3.58	(6.62)
Percentage of housing built before 1940	5.01	(4.74)
Spline: percentage of housing built before 1940	-4.63	(6.77)
Violent crime rate per 1,000	-11.27	(7.20)
Spline: violent crime rate per 1,000	7.69	(7.80)
Property crime rate per 1,000	9.45	(6.44)
Spline: property crime rate per 1,000	-4.87	(7.50)
Child abuse and neglect rate per 1,000	4.60	(5.17)
Spline: child abuse and neglect rate per 1,000	0.52	(6.01)
Constant	18.74 *	(9.53)
Ancillary parameter	19.14 ***	(1.11)
Number of observations	442	
Log likelihood	-973.27	
Chi-square	131.49 ***	
Pseudo-R^2	0.06	

Notes:

Tobit coefficients presented; standard errors in parentheses

[b]The spline version of this variable was excluded from the model because of collinearity.

* $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$

Appendix D-VIII-4. Standardized spline multilevel mixed-effects logistic model predicting full-time employment among young adults

	Ever in DHA	
	Coeff.	SE

Predictor measures (all continuous variables reflect standardized values calculated as an average of measures taken during high school stage unless otherwise noted)

Child characteristics

Gender and ethnicity of child (omitted=African-American male)

Latina female	0.81	(0.61)
Latino male	1.25 *	(0.58)
African-American female	0.20	(0.51)
First born in family (omitted=no)	-0.62	(0.39)
Age when first worked since turning 18	1.17 ***	(0.32)

Caregiver and household characteristics

Number of siblings in household	-0.10	(0.19)
Caregiver reported depressive symptomatology (omitted=no)	-0.26	(0.45)
Caregiver age at time of child's birth	-0.13	(0.21)
Caregiver immigrant status (omitted=no)	0.48	(0.56)
Caregiver history of substance abuse (omitted=no)	0.06	(0.51)
Proportion of high school stage caregiver was disabled	-0.28	(0.20)

Caregiver educational attainment when child was age 18 (omitted=no degree)

High school diploma	-0.19	(0.42)
Post–high school technical certificate	-0.47	(0.64)
College degree	-0.27	(0.61)
Proportion of high school stage with two caregivers present in household	-0.11	(0.18)
Log of average caregiver earnings (in dollars)	0.64	(0.36)
Caregiver was available to monitor/supervise children full/part time during high school stage (omitted=not available)	0.71	(0.68)
Household stressor scale	-0.09	(0.21)
Proportion of high school stage when household had health insurance	0.13	(0.19)
Total number of moves during high school stage	0.02	(0.20)

Macroeconomic characteristics

Annual growth rate in U.S. GDP during year when child turned 18	-0.19	(0.18)

Neighborhood characteristics

Proportion of high school stage spent in neighborhood with negative peers	0.87	(0.98)
Spline: proportion of high school stage spent in neighborhood with negative peers	-0.69	(1.71)
Social capital index	0.15	(0.35)
Spline: social capital index	0.28	(0.66)
Social problems index	-0.28	(0.56)
Spline: social problems index	0.76	(0.80)
Social vulnerability score	-1.01	(0.66)
Spline: social vulnerability score	1.01	(0.95)
Percentage African-American residents	-0.78	(1.16)
Spline: percentage African-American residents	0.67	(1.39)
Percentage Latino residents	-1.36	(0.83)
Spline: percentage Latino residents	-0.57	(0.90)
Occupational prestige score	-0.73	(0.64)
Spline: occupational prestige score	0.49	(0.79)
Percentage foreign-born residents	2.12 **	(0.79)
Spline: percentage foreign-born residents	-1.62	(0.87)
Percentage of residents who moved in preceding 12 months	-0.31	(0.50)
Spline: percentage of residents who moved in preceding 12 months	0.21	(0.71)
Percentage of high school stage living in neighborhood with hospitals and clinics	-0.35	(0.61)

Spline: percentage of high school stage living in neighborhood with hospitals and clinics	2.58	(3.24)
Resource factor score	-0.38	(0.62)
Spline: resource factor score	-0.93	(1.01)
Percentage of housing built before 1940	1.08	(0.72)
Spline: percentage of housing built before 1940	-1.12	(1.01)
Violent crime rate per 1,000	0.24	(1.09)
Spline: violent crime rate per 1,000	0.12	(1.11)
Property crime rate per 1,000	1.51	(0.97)
Spline: property crime rate per 1,000	-1.73	(1.18)
Child abuse and neglect rate per 1,000	-0.44	(0.79)
Spline: child abuse and neglect rate per 1,000	0.32	(0.91)
Constant	-0.75	(1.59)
LN(SD of random effect)	-0.53	(1.36)
Number of observations	323	
Log likelihood	-162.51	
Chi-square	39.94	
LR Chi-square (XTME versus logistic)	0.16	

Notes:
Raw coefficients (that is, not exponentiated) are presented; robust standard errors in parentheses.
* p < 0.05; ** p < 0.01; *** p < 0.001

Appendix D-VIII-5. Standardized spline multilevel mixed-effects logistic model predicting full-time employment among young adults

	Ever in DHA	
	Coeff.	SE

Predictor measures (all continuous variables reflect standardized values calculated as an average of measures taken during high school stage unless otherwise noted)

Child characteristics

Gender and ethnicity of child (omitted=African-American male)

Latina female	1.40	(0.86)
Latino male	-0.35	(0.91)
African-American female	1.49	(0.78)
First born in family (omitted=no)	1.01	(0.56)
Age when first worked since turning 18	-0.47	(0.53)

Caregiver and household characteristics

Number of siblings in household	-0.32	(0.31)
Caregiver reported depressive symptomatology (omitted=no)	0.31	(0.67)
Caregiver age at time of child's birth	0.56 *	(0.27)
Caregiver immigrant status (omitted=no)	-0.41	(0.81)
Caregiver history of substance abuse (omitted=no)	0.23	(0.72)
Proportion of high school stage caregiver was disabled	-0.17	(0.28)

Caregiver educational attainment when child was age 18 (omitted=no degree)

High school diploma	0.07	(0.61)
Post–high school technical certificate	-0.09	(1.08)
College degree	0.17	(0.85)
Proportion of high school stage with two caregivers present in household	-0.63 *	(0.31)
Log of average caregiver earnings (in dollars)	-0.54	(0.48)
Caregiver was available to monitor/supervise children full/part time during high school stage (omitted=not available)	-1.16	(1.02)
Household stressor scale	0.21	(0.28)
Proportion of high school stage when household had health insurance	-0.75 *	(0.30)
Total number of moves during high school stage	0.50	(0.32)

Macroeconomic characteristics

Annual growth rate in U.S. GDP during year when child turned 18	-0.02	(0.27)

Neighborhood characteristics

Proportion of high school stage spent in neighborhood with negative peers	-3.43	(1.75)
Spline: proportion of high school stage spent in neighborhood with negative peers	6.36 *	(3.16)
Social capital index	-0.22	(0.48)
Spline: social capital index	0.55	(0.95)
Social problems index	-0.48	(0.83)
Spline: social problems index	0.75	(1.10)
Social vulnerability score	2.75 *	(1.27)
Spline: social vulnerability score	-0.58	(1.73)
Percentage African-American residents	-1.32	(1.74)
Spline: percentage African-American residents	1.41	(2.12)
Percentage Latino residents	0.67	(1.37)
Spline: percentage Latino residents	-2.13	(1.38)
Occupational prestige score	2.17 *	(1.01)
Spline: occupational prestige score	-0.14	(1.42)
Percentage foreign-born residents	1.43	(1.10)
Spline: percentage foreign-born residents	0.02	(1.15)
Percentage of residents who moved in preceding 12 months	-0.96	(0.76)
Spline: percentage of residents who moved in preceding 12 months	0.17	(1.18)
Percentage of high school stage living in neighborhood with hospitals and clinics	1.33	(1.07)
Spline: percentage of high school stage living in neighborhood with hospitals and clinics	-6.23	(5.63)

Resource factor score	0.49	(1.01)
Spline: resource factor score	-0.25	(1.47)
Percentage of housing built before 1940	-2.25	(1.24)
Spline: percentage of housing built before 1940	1.83	(1.63)
Violent crime rate per 1,000	4.85 **	(1.83)
Spline: violent crime rate per 1,000	-3.15	(1.80)
Property crime rate per 1,000	-1.82	(1.34)
Spline: property crime rate per 1,000	-0.50	(1.75)
Child abuse and neglect rate per 1,000	-2.21	(1.24)
Spline: child abuse and neglect rate per 1,000	1.04	(1.63)
Constant	-4.84	(2.49)
LN(SD of random effect)	-22.90	(5.03E+09)
Number of observations	323	
Log likelihood	-80.24	
Chi-square	38.24	
LR Chi-square (XTME versus logistic)	1.45E-11	

Notes:

Raw coefficients (that is, not exponentiated) are presented; robust standard errors in parentheses.

* $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$

Appendix D-VIII-6. Standardized spline logit model predicting young adult was neither in school nor employed

	Ever in DHA	
	Coeff.	SE
Predictor measures (all continuous variables reflect standardized values calculated as an average of measures taken during high school stage unless otherwise noted)		
Child characteristics		
Gender and ethnicity of child (omitted=African-American male)		
Latina female	-2.52 **	(0.85)
Latino male	-1.92 *	(0.82)
African-American female	-1.00	(0.76)
First born in family (omitted=no)	0.02	(0.46)
Age when first worked since turning 18	-0.92 **	(0.33)
Caregiver and household characteristics		
Number of siblings in household	0.17	(0.21)
Caregiver reported depressive symptomatology (omitted=no)	0.54	(0.58)
Caregiver age at time of child's birth	-0.41	(0.25)
Caregiver immigrant status (omitted=no)	-0.55	(0.68)
Caregiver history of substance abuse (omitted=no)	-1.53	(1.05)
Proportion of high school stage caregiver was disabled	0.07	(0.26)
Caregiver educational attainment when child was age 18 (omitted=no degree)		
High school diploma	-0.44	(0.47)
Post–high school technical certificate	0.77	(0.69)
College degree	0.04	(0.79)
Proportion of high school stage with two caregivers present in household	-0.24	(0.25)
Natural log of average caregiver earnings (in dollars)	-1.02 **	(0.38)
Caregiver was available to monitor/supervise children full/part time during high school stage (omitted=not available)	-0.31	(0.74)
Household stressor scale	-0.24	(0.26)
Proportion of high school stage when household had health insurance	-0.12	(0.22)
Total number of moves during high school stage	-0.31	(0.30)
Macroeconomic characteristics		
Annual growth rate in U.S. GDP during year when child turned 18	-0.34	(0.23)
Neighborhood characteristics		
Proportion of high school stage spent in neighborhood with negative peers	0.35	(1.25)
Spline: proportion of high school stage spent in neighborhood with negative peers	-0.65	(2.20)
Social capital index	0.78	(0.44)
Spline: social capital index	-1.03	(0.80)
Social problems index	-0.60	(0.55)
Spline: social problems index	0.01	(0.77)
Social vulnerability score	-0.67	(1.02)
Spline: social vulnerability score	0.16	(1.39)
Percentage African-American residents	1.15	(1.24)
Spline: percentage African-American residents	-1.74	(1.58)
Percentage Latino residents	1.03	(0.94)
Spline: percentage Latino residents	0.34	(1.03)
Occupational prestige score	-1.26	(0.77)
Spline: occupational prestige score	0.20	(0.97)
Percentage foreign-born residents	-0.53	(0.96)
Spline: percentage foreign-born residents	-1.06	(0.99)
Percentage of residents who moved in preceding 12 months	-0.43	(0.68)
Spline: percentage of residents who moved in preceding 12 months	1.30	(0.97)
Percentage of high school stage living in neighborhood with hospitals and clinics	0.38	(0.75)

Spline: percentage of high school stage living in neighborhood with hospitals and clinics	-3.06	(3.86)
Resource factor score	-1.33	(0.96)
Spline: resource factor score	3.08 *	(1.35)
Percentage of housing built before 1940	-0.17	(1.01)
Spline: percentage of housing built before 1940	0.60	(1.50)
Violent crime rate per 1,000	-2.09	(1.54)
Spline: violent crime rate per 1,000	-0.02	(1.72)
Property crime rate per 1,000	1.70	(1.10)
Spline: property crime rate per 1,000	-1.34	(1.30)
Child abuse and neglect rate per 1,000	0.62	(0.93)
Spline: child abuse and neglect rate per 1,000	0.48	(1.13)
Constant	0.79	(2.24)
Number of observations	323	
Number of clusters	194	
Log likelihood	-101.00	
Chi-square	97.59 ***	
Pseudo-R^2	0.30	

Notes:
Logistic model was used for this outcome because of convergence problems with XTME logit model.
Raw coefficients (that is, not exponentiated) are presented; robust standard errors in parentheses.
* $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$

Appendix D-IX-1. Standardized spline logit models predicting marriage or cohabitation between the ages of 15 and 24

	Ever in DHA		Mostly in DHA	
	Coeff.	SE	Coeff.	SE
Predictor measures (all continuous variables reflect standardized values calculated as an average of measures taken during high school stage unless otherwise noted)				
Child characteristics				
Gender and ethnicity of child (omitted=African-American male)				
Latina female	1.20	(0.64)	7.86 *	(3.72)
Latino male	0.23	(0.62)	0.28	(2.72)
African-American female	0.19	(0.51)	3.78	(3.96)
First born in family (omitted=no)	1.00 *	(0.44)	-1.15	(1.11)
Had a child prior to marriage/cohabitation (omitted=no)	2.70 ***	(0.44)	11.03 **	(4.10)
Caregiver and household characteristics				
Number of siblings in household	0.13	(0.22)	-1.49	(0.78)
Caregiver reported depressive symptomatology (omitted=no)	0.12	(0.38)	-0.61	(0.89)
Caregiver age at time of child's birth	-0.10	(0.31)	-1.36 *	(0.62)
Caregiver immigrant status (omitted=no)	-0.02	(0.48)	-1.07	(1.82)
Caregiver educational attainment (omitted=no degree)				
High school diploma	-0.43	(0.37)	-6.40 ***	(1.86)
Post–high school technical certificate or college degree	0.76	(0.48)	-1.45	(2.72)
Lived in household with two caregivers for 50% or more of high school stage (omitted=no)	0.69	(0.36)	0.59	(0.92)
Natural log of average caregiver earnings (in dollars)	0.03	(0.30)	-0.72	(0.99)
Caregiver was available to monitor/supervise children full/part time during high school stage (omitted=not available)	-0.15	(0.47)	-4.08 *	(2.01)
Household stressor scale	-0.10	(0.24)	0.53	(0.55)
Household had health insurance during all of high school stage (omitted=no)	0.80 *	(0.34)	4.63 *	(2.18)
Total number of moves during high school stage	0.16	(0.16)	0.51	(0.50)
Neighborhood characteristics				
Lived in neighborhood with negative peers for 50% or more of high school stage (omitted=no)	-0.46	(0.48)	1.38	(0.98)
Social capital index	0.42	(0.32)	1.79	(0.93)
Spline: social capital index	-0.49	(0.61)	0.16	(1.79)
Social problems index	1.41 *	(0.64)	2.89	(2.34)
Spline: social problems index	-1.34	(0.81)	-0.91	(3.05)
Social vulnerability score	-1.05	(0.72)	2.10	(2.12)
Spline: social vulnerability score	0.46	(0.82)	-6.63	(4.44)
Percentage African-American residents	-1.52	(1.17)	-5.66 *	(2.58)
Spline: percentage African-American residents	1.48	(1.37)	2.98	(3.36)
Percentage Latino residents	-0.62	(0.81)	-2.36	(1.83)
Spline: percentage Latino residents	-0.76	(0.90)	-7.26 **	(2.40)
Occupational prestige score	-1.79 **	(0.61)	-6.22 ***	(1.68)
Spline: occupational prestige score	-0.05	(0.81)	-5.40	(3.75)
Percentage foreign-born residents	0.45	(0.71)	2.08	(2.45)
Spline: percentage foreign-born residents	-1.02	(0.95)	-0.66	(5.17)
Percentage of residents who moved in preceding 12 months	-0.23	(0.55)	4.03 *	(1.83)
Spline: percentage of residents who moved in preceding 12 months	0.22	(0.81)	-5.88	(3.43)
Resource factor score	-0.05	(0.52)	-2.53 *	(1.05)
Spline: resource factor score	0.45	(0.94)	6.86 *	(2.72)
Percentage of housing built before 1940	1.95 ***	(0.55)	8.11 **	(3.04)
Spline: percentage of housing built before 1940	-1.60 *	(0.78)	-5.46	(3.55)
Violent crime rate per 1,000	-4.47 ***	(0.98)	-24.73 **	(8.14)
Spline: violent crime rate per 1,000	3.89 ***	(1.05)	23.56 **	(8.75)
Property crime rate per 1,000	4.71 ***	(1.00)	15.05 ***	(4.12)
Spline: property crime rate per 1,000	-3.57 **	(1.16)	-8.59 *	(3.35)
Constant	-2.85 *	(1.23)	-7.29	(5.27)
Number of observations	488		245	
Number of clusters	289		157	
Log likelihood	-140.90		-31.01	
Chi-square	110.30 ***		162.30 ***	
Pseudo-R^2	0.46		0.76	

Notes:

Raw coefficients (that is, not exponentiated) are presented; robust standard errors in parentheses.

* p < 0.05; ** p < 0.01; *** p < 0.001

Appendix D-IX-2. Standardized spline Cox models predicting hazard of marriage or cohabitation between the ages of 15 and 24

	Ever in DHA		Mostly in DHA	
	Coeff.	SE	Coeff.	SE
Predictor measures (all continuous variables reflect standardized values calculated as an average of measures taken during high school stage unless otherwise noted)				
Child characteristics				
Gender and ethnicity of child (omitted=African-American male)				
Latina female	0.77	(0.44)	1.67	(0.89)
Latino male	0.31	(0.41)	-0.57	(0.89)
African-American female	0.15	(0.38)	0.28	(0.77)
First born in family (omitted=no)	0.26	(0.28)	-0.50	(0.66)
Had a child prior to marriage/cohabitation (omitted=no)	1.29 ***	(0.23)	2.19 ***	(0.50)
Caregiver and household characteristics				
Number of siblings in household	0.04	(0.12)	-0.04	(0.20)
Caregiver reported depressive symptomatology (omitted=no)	0.18	(0.26)	0.07	(0.37)
Caregiver age at time of child's birth	-0.10	(0.24)	-0.36	(0.24)
Caregiver immigrant status (omitted=no)	0.47	(0.38)	1.05 *	(0.52)
Caregiver educational attainment (omitted=no degree)				
High school diploma	-0.12	(0.25)	-0.39	(0.42)
Post–high school technical certificate or college degree	0.43	(0.29)	0.38	(0.52)
Lived in household with two caregivers for 50% or more of high school stage (omitted=no)	0.35	(0.25)	0.25	(0.53)
Natural log of average caregiver earnings (in dollars)	0.12	(0.22)	-0.56	(0.42)
Caregiver was available to monitor/supervise children full/part time during high school stage (omitted=not available)	0.05	(0.36)	-0.95	(0.63)
Household stressor scale	-0.06	(0.13)	0.04	(0.19)
Household had health insurance during all of high school stage (omitted=no)	0.30	(0.27)	0.99 *	(0.50)
Total number of moves during high school stage	0.20	(0.12)	0.18	(0.26)
Neighborhood characteristics				
Lived in neighborhood with negative peers for 50% or more of high school stage (omitted=no)	0.03	(0.30)	0.97	(0.58)
Social capital index	0.36	(0.24)	0.14	(0.46)
Spline: social capital index	-0.25	(0.40)	0.61	(0.83)
Social problems index	0.67	(0.39)	1.59 *	(0.73)
Spline: social problems index	-0.58	(0.53)	-1.93 *	(0.98)

	Coefficient	(SE)	Coefficient	(SE)
Social vulnerability score	-0.98 *	(0.48)	0.71	(1.23)
Spline: social vulnerability score	1.21 *	(0.57)	-0.80	(1.43)
Percentage African-American residents	-1.11	(0.66)	-0.21	(0.83)
Spline: percentage African-American residents	1.45	(0.75)	0.07	(1.01)
Percentage Latino residents	0.31	(0.48)	1.19	(0.79)
Spline: percentage Latino residents	-1.26 *	(0.56)	-2.60 **	(0.98)
Occupational prestige score	-0.50	(0.35)	-0.99	(0.78)
Spline: occupational prestige score	0.34	(0.50)	0.31	(0.94)
Percentage foreign-born residents	0.42	(0.48)	-0.08	(0.94)
Spline: percentage foreign-born residents	0.00	(0.70)	0.26	(1.40)
Percentage of residents who moved in preceding 12 months	-0.48	(0.42)	-0.31	(0.93)
Spline: percentage of residents who moved in preceding 12 months	0.49	(0.58)	-0.57	(1.42)
Resource factor score	-0.16	(0.36)	-0.63	(0.65)
Spline: resource factor score	0.20	(0.53)	0.73	(1.10)
Percentage of housing built before 1940	0.66 *	(0.33)	0.07	(0.73)
Spline: percentage of housing built before 1940	-0.34	(0.49)	0.75	(1.07)
Violent crime rate per 1,000	-1.62 **	(0.53)	-5.00 **	(1.69)
Spline: violent crime rate per 1,000	1.35 *	(0.63)	3.96 *	(1.90)
Property crime rate per 1,000	2.27 ***	(0.66)	5.87 ***	(1.75)
Spline: property crime rate per 1,000	-1.86 **	(0.72)	-5.25 **	(1.73)
Number of observations	488		245	
Number of clusters	289		157	
Number of failures	111		54	
Time at risk	9186		4544	
Log likelihood	-536.50		-195.20	
Chi-square	225.20 ***		278.80 ***	

Notes:

Raw coefficients (that is, not exponentiated) are presented; robust standard errors in parentheses.

* p < 0.05; ** p < 0.01; *** p < 0.001

Appendix D-IX-3. Standardized spline logit models predicting giving birth or fathering a child between the ages of 15 and 18

	Ever in DHA		Majority in DHA	
	Coeff.	**SE**	**Coeff.**	**SE**

Predictor measures (all continuous variables reflect standardized values calculated as an average of measures taken during high school stage unless otherwise noted)

	Coeff.	SE	Coeff.	SE
Child characteristics				
Gender and ethnicity of child (omitted=African-American male)				
Latina female	1.74 **	(0.66)	1.79 *	(0.84)
Latino male	-0.13	(0.61)	-0.11	(0.82)
African-American female	0.94	(0.57)	0.98	(0.91)
First born in family (omitted=no)	-0.20	(0.36)	-0.24	(0.45)
Early onset of puberty (omitted=on time, late, or not yet)	0.14	(0.56)	-0.04	(0.77)
Caregiver and household characteristics				
Number of siblings in household	-0.03	(0.21)	-0.04	(0.24)
Caregiver reported depressive symptomatology (omitted=no)	0.05	(0.45)	0.27	(0.49)
Caregiver age at time of child's birth	-0.46	(0.24)	-0.27	(0.30)
Caregiver immigrant status (omitted=no)	-0.66	(0.64)	-0.67	(0.79)
Caregiver history of substance abuse (omitted=no)	-0.55	(0.57)	-1.01	(0.79)
Caregiver was disabled during all or part of high school stage	0.23	(1.12)	-1.29	(0.87)
Caregiver educational attainment (omitted=no degree)				
High school diploma	-1.06 **	(0.40)	-1.24 **	(0.46)
Post–high school technical certificate or college degree	-1.04 *	(0.51)	-0.57	(0.66)
Lived in household with two caregivers for 50% or more of high school stage (omitted=no)	-0.35	(0.36)	-0.28	(0.41)
Natural log of average caregiver earnings (in dollars)	-0.10	(0.36)	-0.25	(0.35)
Caregiver was available to monitor/supervise children full/part time during high school stage (omitted=not available)	-0.24	(0.70)	-0.70	(0.65)
Household stressor scale	0.12	(0.17)	0.39	(0.22)
Household had health insurance during all of high school stage (omitted=no)	-0.34	(0.40)	-0.26	(0.47)
Total number of moves during high school stage	0.17	(0.18)	-0.05	(0.29)
Caregiver gave birth to this child during teen years	0.00	(0.46)	0.70	(0.58)
Neighborhood characteristics				
Lived in neighborhood with negative peers for 50% or more of high school stage (omitted=no)	-0.27	(0.49)	-0.48	(0.60)
Social capital index	0.79 *	(0.39)	0.52	(0.48)

Spline: social capital index	-1.44 *	(0.70)	-0.84	(0.87)
Social problems index	0.22	(0.63)	0.16	(0.80)
Spline: social problems index	0.47	(0.81)	0.38	(1.12)
Social vulnerability score	-0.25	(0.72)	0.97	(1.11)
Spline: social vulnerability score	-0.17	(0.85)	-1.49	(1.32)
Percentage African-American residents	-1.09	(1.01)	-1.55	(1.52)
Spline: percentage African-American residents	1.55	(1.25)	1.47	(1.67)
Percentage Latino residents	-0.54	(0.51)	-1.00	(0.70)
Spline: percentage Latino residents	-0.42	(0.69)	0.05	(0.85)
Occupational prestige score	-1.29 *	(0.55)	-1.23 *	(0.61)
Spline: occupational prestige score	0.11	(0.85)	-0.14	(1.13)
Percentage of residents who moved in preceding 12 months	0.02	(0.52)	-0.30	(0.83)
Spline: percentage of residents who moved in preceding 12 months	0.34	(0.69)	0.62	(1.06)
Lived in neighborhood with hospitals and clinics during all of high school stage (omitted=no)	-0.09	(0.50)	0.23	(0.58)
Resource factor score	-0.02	(0.64)	0.46	(0.82)
Spline: resource factor score	0.01	(0.99)	-0.59	(1.13)
Percentage of housing built before 1940	1.24	(0.65)	1.24	(0.89)
Spline: percentage of housing built before 1940	-1.08	(0.98)	-1.47	(1.43)
Violent crime rate per 1,000	-3.32 ***	(0.92)	-5.71 ***	(1.49)
Spline: violent crime rate per 1,000	3.02 **	(0.95)	5.43 ***	(1.56)
Property crime rate per 1,000	3.09 ***	(0.88)	4.87 ***	(1.34)
Spline: property crime rate per 1,000	-2.18 *	(0.93)	-3.86 **	(1.31)
Percentage of teen births	-0.39	(0.42)	0.23	(0.59)
Spline: percentage of teen births	0.69	(0.57)	0.23	(0.73)
Constant	-1.61	(1.21)	-1.58	(1.70)
Number of observations	471		365	
Number of clusters	285		229	
Log likelihood	-153.00		-104.30	
Chi-square	136.70 ***		195.60 ***	
Pseudo-R^2	0.29		0.37	

Notes:
Raw coefficients (that is, not exponentiated) are presented; robust standard errors in parentheses.

* p < 0.05; ** p < 0.01; *** p < 0.001

Appendix D-IX-4. Standardized spline Cox models predicting hazard of giving birth or fathering a child between the ages of 15 and 18

	Ever in DHA		Majority in DHA	
	Coeff.	SE	Coeff.	SE

Predictor measures (all continuous variables reflect standardized values calculated as an average of measures taken during high school stage unless otherwise noted)

Child characteristics

Gender and ethnicity of child (omitted=African-American male)

Latina female	1.33 **	(0.49)	1.31	(0.73)
Latino male	-0.14	(0.50)	-0.19	(0.73)
African-American female	0.65	(0.43)	0.59	(0.74)
First born in family (omitted=no)	-0.26	(0.29)	-0.29	(0.37)
Early onset of puberty (omitted=on time, late, or not yet)	0.25	(0.43)	0.26	(0.61)

Caregiver and household characteristics

Number of siblings in household	-0.03	(0.15)	-0.10	(0.19)
Caregiver reported depressive symptomatology (omitted=no)	0.08	(0.35)	0.47	(0.42)
Caregiver age at time of child's birth	-0.29	(0.20)	-0.30	(0.28)
Caregiver immigrant status (omitted=no)	-0.42	(0.58)	-0.18	(0.63)
Caregiver history of substance abuse (omitted=no)	-0.44	(0.49)	-0.87	(0.74)
Caregiver was disabled during all or part of high school stage	0.27	(0.83)	-0.56	(0.69)

Caregiver educational attainment (omitted=no degree)

High school diploma	-0.72 *	(0.33)	-0.81 *	(0.35)
Post–high school technical certificate or college degree	-0.61	(0.45)	-0.28	(0.50)
Lived in household with two caregivers for 50% or more of high school stage (omitted=no)	-0.30	(0.27)	-0.33	(0.35)
Natural log of average caregiver earnings (in dollars)	-0.16	(0.32)	-0.37	(0.30)
Caregiver was available to monitor/supervise children full/part time during high school stage (omitted=not available)	-0.33	(0.63)	-0.53	(0.60)
Household stressor scale	0.10	(0.13)	0.20	(0.19)
Household had health insurance during all of high school stage (omitted=no)	-0.45	(0.30)	-0.48	(0.37)
Total number of moves during high school stage	0.08	(0.15)	-0.16	(0.20)
Caregiver gave birth to this child during teen years	0.03	(0.37)	0.44	(0.49)

Neighborhood characteristics

Lived in neighborhood with negative peers for 50% or more of high school stage (omitted=no)	0.05	(0.37)	0.02	(0.47)
Social capital index	0.48	(0.28)	0.23	(0.29)

Spline: social capital index	-0.85	(0.50)	-0.59	(0.60)
Social problems index	-0.15	(0.42)	-0.19	(0.51)
Spline: social problems index	0.74	(0.60)	0.66	(0.80)
Social vulnerability score	-0.48	(0.59)	0.25	(0.87)
Spline: social vulnerability score	0.53	(0.67)	-0.02	(1.10)
Percentage African-American residents	-0.76	(0.79)	-0.63	(1.16)
Spline: percentage African-American residents	1.22	(0.93)	0.52	(1.26)
Percentage Latino residents	-0.32	(0.41)	-0.87	(0.52)
Spline: percentage Latino residents	-0.02	(0.56)	0.24	(0.68)
Occupational prestige score	-0.90 *	(0.38)	-1.02 *	(0.45)
Spline: occupational prestige score	0.29	(0.61)	0.22	(0.71)
Percentage of residents who moved in preceding 12 months	0.03	(0.44)	-0.24	(0.69)
Spline: percentage of residents who moved in preceding 12 months	0.49	(0.55)	0.80	(0.87)
Lived in neighborhood with hospitals and clinics during all of high school stage (omitted=no)	0.02	(0.44)	0.00	(0.48)
Resource factor score	-0.26	(0.52)	0.38	(0.68)
Spline: resource factor score	0.27	(0.80)	-0.38	(0.87)
Percentage of housing built before 1940	0.80	(0.54)	0.91	(0.73)
Spline: percentage of housing built before 1940	-0.69	(0.76)	-0.87	(1.03)
Violent crime rate per 1,000	-1.82 *	(0.82)	-3.25 *	(1.32)
Spline: violent crime rate per 1,000	1.43	(0.79)	2.87 *	(1.34)
Property crime rate per 1,000	1.75	(0.82)	2.86 *	(1.22)
Spline: property crime rate per 1,000	-1.29	(0.85)	-2.65 *	(1.22)
Percentage of teen births	-0.38	(0.31)	0.16	(0.45)
Spline: percentage of teen births	0.84 *	(0.40)	0.47	(0.62)
Number of observations	471		365	
Number of clusters	285		229	
Number of failures	80		61	
Time at risk	8111		6271	
Log likelihood	-419.80		-294.10	
Chi-square	196.00 ***		182.20 ***	

Notes:
Raw coefficients (that is, not exponentiated) are presented; robust standard errors in parentheses.

* p < 0.05; ** p < 0.01; *** p < 0.001

Appendix D-IX-5. Standardized spline logit models predicting nonmarital births occurring between the ages of 18 and 24

	Ever in DHA		Majority in DHA	
	Coeff.	SE	Coeff.	SE
Predictor measures (all continuous variables reflect standardized values calculated as an average of measures taken during high school stage unless otherwise noted)				
Child characteristics				
Gender and ethnicity of child (omitted=African-American male)				
Latina female	0.19	(0.53)	0.30	(0.64)
Latino male	0.06	(0.49)	0.25	(0.58)
African-American female	0.30	(0.41)	0.33	(0.64)
First born in family (omitted=no)	-0.74 *	(0.32)	-0.52	(0.37)
Caregiver and household characteristics				
Older sibling had a nonmarital birth (omitted=no)	-0.17	(0.52)	-0.25	(0.68)
Number of siblings in household	-0.15	(0.18)	0.00	(0.24)
Caregiver reported depressive symptomatology (omitted=no)	-0.12	(0.38)	-0.43	(0.45)
Caregiver age at time of child's birth	-0.70 ***	(0.19)	-0.45	(0.24)
Caregiver immigrant status (omitted=no)	-1.07	(0.58)	-1.23 *	(0.59)
Caregiver history of substance abuse (omitted=no)	-0.23	(0.40)	0.16	(0.50)
Caregiver was disabled during all or part of high school stage (omitted=no)	-0.65	(0.69)	-0.74	(0.97)
Caregiver educational attainment (omitted=no degree)				
High school diploma	-0.54	(0.37)	-0.42	(0.49)
Post–high school technical certificate or college degree	-0.92	(0.47)	-0.61	(0.56)
Lived in household with two caregivers for 50% or more of high school stage (omitted=no)	-0.15	(0.33)	-0.15	(0.43)
Natural log of average caregiver earnings (in dollars)	0.56	(0.29)	0.68 *	(0.34)
Caregiver was available to monitor/supervise children full/part time during high school stage (omitted=not available)	0.78	(0.56)	1.37 *	(0.67)
Household stressor scale	-0.05	(0.16)	-0.11	(0.19)
Household had health insurance during all of high school stage (omitted=no)	0.63	(0.38)	0.16	(0.45)
Total number of moves during high school stage	0.04	(0.16)	0.18	(0.22)
Caregiver gave birth to this child outside of marriage (omitted=no)	0.22	(0.31)	0.50	(0.43)
Neighborhood characteristics				
Lived in neighborhood with negative peers for 50% or more of high school stage (omitted=no)	-0.49	(0.41)	-0.48	(0.47)
Social capital index	0.40	(0.32)	0.71	(0.41)

Spline: social capital index	-0.19	(0.55)	-0.66	(0.66)
Social problems index	0.20	(0.42)	0.82	(0.54)
Spline: social problems index	0.10	(0.57)	-0.90	(0.76)
Social vulnerability score	0.22	(0.55)	0.12	(0.75)
Spline: social vulnerability score	-1.19	(0.83)	-0.69	(1.12)
Percentage African-American residents	0.29	(0.88)	-2.09	(1.36)
Spline: percentage African-American residents	-0.15	(1.14)	2.62	(1.56)
Percentage Latino residents	0.30	(0.61)	0.64	(0.76)
Spline: percentage Latino residents	-0.41	(0.67)	-0.61	(0.88)
Occupational prestige score	-0.84	(0.48)	-0.71	(0.62)
Spline: occupational prestige score	0.05	(0.69)	0.45	(0.91)
Percentage foreign-born residents	-0.90	(0.53)	-1.76 *	(0.74)
Spline: percentage foreign-born residents	0.33	(0.76)	1.68	(0.93)
Percentage of residents who moved in preceding 12 months	-0.24	(0.43)	0.07	(0.57)
Spline: percentage of residents who moved in preceding 12 months	0.70	(0.64)	0.44	(0.84)
Lived in neighborhood with hospitals and clinics during all of high school stage (omitted=no)	-0.75	(0.40)	-0.43	(0.48)
Resource factor score	0.03	(0.54)	-0.12	(0.60)
Spline: resource factor score	-0.11	(0.89)	0.35	(1.02)
Percentage of housing built before 1940	0.02	(0.57)	-0.25	(0.63)
Spline: percentage of housing built before 1940	0.89	(0.84)	1.41	(1.00)
Violent crime rate per 1,000	-3.32 **	(1.16)	-4.36 **	(1.54)
Spline: violent crime rate per 1,000	3.27 **	(1.21)	4.69 **	(1.61)
Property crime rate per 1,000	2.30 *	(0.91)	3.86 **	(1.19)
Spline: property crime rate per 1,000	-2.16 *	(1.06)	-3.83 **	(1.34)
Child abuse and neglect rate per 1,000	1.90 **	(0.72)	2.26 **	(0.82)
Spline: child abuse and neglect rate per 1,000	-2.82 **	(0.92)	-3.85 **	(1.21)
Constant	-0.09	(1.02)	-1.89	(1.30)
Number of observations	367		282	
Number of clusters	216		181	
Log likelihood	-162.90		-113.30	
Chi-square	87.22 ***		103.10 ***	
Pseudo-R^2	0.22		0.26	

Appendix D-IX-6. Standardized spline Cox models predicting nonmarital births occurring between the ages of 18 and 24

	Ever in DHA		Majority in DHA	
	Coeff.	SE	Coeff.	SE
Predictor measures (all continuous variables reflect standardized values calculated as an average of measures taken during high school stage unless otherwise noted)				
Child characteristics				
Gender and ethnicity of child (omitted=African-American male)				
Latina female	0.20	(0.40)	0.20	(0.49)
Latino male	-0.07	(0.39)	0.12	(0.48)
African-American female	0.41	(0.34)	0.40	(0.55)
First born in family (omitted=no)	-0.69 **	(0.25)	-0.43	(0.31)
Caregiver and household characteristics				
Older sibling had a nonmarital birth (omitted=no)	-0.16	(0.44)	-0.14	(0.53)
Number of siblings in household	-0.11	(0.18)	0.05	(0.21)
Caregiver reported depressive symptomatology (omitted=no)	-0.27	(0.36)	-0.46	(0.44)
Caregiver age at time of child's birth	-0.48 **	(0.15)	-0.25	(0.20)
Caregiver immigrant status (omitted=no)	-0.85	(0.46)	-0.96 *	(0.47)
Caregiver history of substance abuse (omitted=no)	-0.01	(0.33)	0.20	(0.45)
Caregiver was disabled during all or part of high school stage (omitted=no)	-0.57	(0.51)	-0.48	(0.72)
Caregiver educational attainment (omitted=no degree)				
High school diploma	-0.48	(0.28)	-0.45	(0.40)
Post–high school technical certificate or college degree	-0.74 *	(0.37)	-0.63	(0.46)
Lived in household with two caregivers for 50% or more of high school stage (omitted=no)	-0.08	(0.29)	-0.04	(0.35)
Natural log of average caregiver earnings (in dollars)	0.45	(0.23)	0.50	(0.30)
Caregiver was available to monitor/supervise children full/part time during high school stage (omitted=not available)	0.66	(0.45)	0.85	(0.61)
Household stressor scale	0.09	(0.12)	0.03	(0.17)
Household had health insurance during all of high school stage (omitted=no)	0.49	(0.33)	0.12	(0.38)
Total number of moves during high school stage	0.05	(0.13)	0.14	(0.16)
Caregiver gave birth to this child outside of marriage (omitted=no)	0.42	(0.25)	0.62	(0.34)
Neighborhood characteristics				
Lived in neighborhood with negative peers for 50% or more of high school stage (omitted=no)	-0.40	(0.35)	-0.19	(0.40)
Social capital index	0.39	(0.25)	0.62	(0.32)
Spline: social capital index	-0.27	(0.46)	-0.63	(0.57)
Social problems index	0.12	(0.32)	0.45	(0.41)
Spline: social problems index	0.03	(0.43)	-0.56	(0.60)
Social vulnerability score	0.07	(0.48)	-0.16	(0.59)

Spline: social vulnerability score	-0.82	(0.67)	-0.29	(0.93)
Percentage African-American residents	0.37	(0.63)	-1.26	(1.10)
Spline: percentage African-American residents	-0.25	(0.79)	1.67	(1.27)
Percentage Latino residents	0.46	(0.51)	0.69	(0.64)
Spline: percentage Latino residents	-0.52	(0.59)	-0.60	(0.73)
Occupational prestige score	-0.37	(0.32)	-0.42	(0.44)
Spline: occupational prestige score	0.05	(0.50)	0.45	(0.72)
Percentage foreign-born residents	-0.65	(0.44)	-1.34 *	(0.57)
Spline: percentage foreign-born residents	0.54	(0.66)	1.50	(0.78)
Percentage of residents who moved in preceding 12 months	-0.13	(0.42)	0.16	(0.50)
Spline: percentage of residents who moved in preceding 12 months	0.38	(0.59)	0.04	(0.69)
Lived in neighborhood with hospitals and clinics during all of high school stage (omitted=no)	-0.53	(0.31)	-0.26	(0.40)
Resource factor score	0.44	(0.40)	0.28	(0.58)
Spline: resource factor score	-0.70	(0.72)	-0.39	(0.88)
Percentage of housing built before 1940	0.09	(0.44)	-0.06	(0.51)
Spline: percentage of housing built before 1940	0.38	(0.67)	0.70	(0.80)
Violent crime rate per 1,000	-2.25 *	(0.95)	-3.32 *	(1.33)
Spline: violent crime rate per 1,000	2.16 *	(0.96)	3.52 **	(1.35)
Property crime rate per 1,000	1.20	(0.75)	2.80 **	(0.93)
Spline: property crime rate per 1,000	-0.97	(0.88)	-2.74 *	(1.09)
Child abuse and neglect rate per 1,000	1.41 *	(0.70)	1.83 *	(0.85)
Spline: child abuse and neglect rate per 1,000	-2.00 *	(0.85)	-2.96 *	(1.16)
Number of observations	367		282	
Number of clusters	216		181	
Number of failures	93		65	
Time at risk	7649		5899	
Log likelihood	-474.40		-309.60	
Chi-square	113.40 ***		167.80 ***	

Notes:

Raw coefficients (that is, not exponentiated) are presented; robust standard errors in parentheses.

* $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$