

Supplementary Online Content

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This supplementary material has been provided by the authors to give readers additional information about their work.

eTable 1. Adjusted Associations Between Medical Home Components and Developmental Screening and Surveillance^a

Medical Home Component	Developmental Screening n=5,129			Developmental Surveillance n=5,269		
	Adjusted Prevalence	Rate Ratio	(95% CI)	Adjusted Prevalence	Rate Ratio	(95% CI)
Usual Source of Care						
Yes	33.7	2.14	(1.55 - 2.96)	38.4	1.29	(0.99 - 1.68)
No	15.7	REF		29.8	REF	
Personal Doctor or Nurse						
Yes	33.1	1.26	(1.03 - 1.53)	39.0	1.24	(1.04 - 1.48)
No	26.3	REF		31.4	REF	
Family-Centered Care						
Yes	33.3	1.62	(1.18 - 2.24)	38.5	1.28	(0.99 - 1.65)
No	20.5	REF		30.0	REF	
Referrals if needed						
Yes	37.2	1.08	(0.73 - 1.60)	40.7	0.93	(0.66 - 1.30)
No	34.3	REF		43.9	REF	
Not needed	30.2	0.88	(0.60 - 1.29)	36.1	0.82	(0.60 - 1.13)
Care Coordination if needed						
Yes	33.2	0.94	(0.73 - 1.21)	37.9	1.07	(0.86 - 1.33)
No	35.4	REF		35.4	REF	
Not needed	29.7	0.84	(0.64 - 1.10)	37.2	1.05	(0.84 - 1.31)

^aAdjusted for child age, sex, race/ethnicity, primary household language, family structure, highest household education, household income-to-poverty ratio, insurance coverage and type, preventive visit in past year, child health status, and special health care needs status.

eTable 2. Adjusted Associations With Developmental Screening and Surveillance (Without Preventive Medical Visit and Special Health Care Needs Status)^a

	Developmental Screening n=5,268			Developmental Surveillance n=5,416		
	Adjusted Prevalence	Rate Ratio	(95% CI)	Adjusted Prevalence	Rate Ratio	(95% CI)
Predisposing Characteristics						
Age						
9-23 months	29.9	REF		36.0	REF	
24-35 months	33.0	1.10	(0.95 - 1.28)	37.9	1.05	(0.93 - 1.20)
Sex						
Male	32.7	REF		38.4	REF	
Female	29.8	0.91	(0.79 - 1.05)	35.3	0.92	(0.81 - 1.05)
Race/Ethnicity						
Non-Hispanic White	31.0	REF		36.7	REF	
Non-Hispanic Black	31.1	1.00	(0.71 - 1.41)	33.1	0.90	(0.68 - 1.20)
Hispanic	31.8	1.02	(0.81 - 1.30)	36.8	1.00	(0.80 - 1.25)
Non-Hispanic Other Single Race	25.9	0.84	(0.59 - 1.19)	38.1	1.04	(0.77 - 1.39)
Non-Hispanic Multiple Race	36.9	1.19	(0.93 - 1.53)	44.1	1.20	(0.98 - 1.48)
Primary Household Language						
English	33.0	REF		38.3	REF	
Non-English	18.4	0.56	(0.36 - 0.88)	27.2	0.71	(0.49 - 1.03)
Family Structure						
Two Parent, Married	33.2	REF		38.7	REF	
Two Parent, Unmarried	30.5	0.92	(0.69 - 1.23)	36.9	0.95	(0.74 - 1.22)
Single Mother/Other	24.0	0.72	(0.54 - 0.97)	30.1	0.78	(0.61 - 0.99)
Highest Household Education						
Less than high school	27.8	0.79	(0.43 - 1.46)	25.6	0.65	(0.35 - 1.18)
High school	25.1	0.72	(0.54 - 0.96)	31.7	0.80	(0.63 - 1.02)
Some college	26.6	0.76	(0.61 - 0.94)	36.8	0.93	(0.78 - 1.11)
College degree or higher	35.0	REF		39.7	REF	
Enabling Characteristics						
Household Income-to-Poverty Ratio						
<100% Poverty	33.9	1.18	(0.80 - 1.73)	37.5	1.07	(0.82 - 1.40)
100-199% Poverty	31.2	1.09	(0.82 - 1.44)	43.1	1.23	(0.98 - 1.53)
200-399% Poverty	32.9	1.14	(0.95 - 1.38)	34.3	0.98	(0.83 - 1.15)
400%+ Poverty	28.8	REF		35.1	REF	
Insurance Coverage and Type						
Any Public	30.5	0.95	(0.75 - 1.20)	40.0	1.12	(0.91 - 1.38)
Private only	32.1	REF		35.7	REF	
Uninsured	23.7	0.74	(0.42 - 1.28)	29.8	0.84	(0.48 - 1.47)

	Developmental Screening n=5,268			Developmental Surveillance n=5,416		
	Adjusted Prevalence	Rate Ratio	(95% CI)	Adjusted Prevalence	Rate Ratio	(95% CI)
Medical Home						
Has Medical Home	35.0	1.33	(1.13 - 1.57)	40.1	1.22	(1.07 - 1.40)
No Medical Home	26.3	REF		32.8	REF	
Need Characteristics						
Child Health Status						
Excellent/Very Good	31.8	REF		36.4	REF	
Good/Fair/Poor	22.7	0.71	(0.50 - 1.03)	45.0	1.24	(0.96 - 1.59)

^aPreventive visit in past year and special health care needs status are removed from the model out of concern for potential mediation and reverse causality, respectively.

eTable 3. Unadjusted and Adjusted Developmental Screening Rates by State

State	Unadjusted		Adjusted	
	Estimate	(95% CI)	Estimate	(95% CI)
US	30.4	(28.0 -33.0)	30.4	(28.0 -33.0)
AL	21.2	(13.1 -32.3)	24.0	(16.0 -34.5)
AK	46.8	(35.1 -58.8)	45.7	(34.6 -57.3)
AZ	30.8	(18.9 -46.0)	32.8	(19.6 -49.5)
AR	20.7	(12.1 -33.0)	18.4	(10.8 -29.5)
CA	22.4	(12.8 -36.3)	26.6	(16.2 -40.4)
CO	50.2	(37.8 -62.6)	53.7	(42.0 -64.9)
CT	28.3	(18.2 -41.2)	27.8	(18.1 -40.1)
DE	26.9	(18.3 -37.6)	23.6	(15.6 -34.1)
DC	29.3	(20.4 -40.1)	31.1	(21.6 -42.5)
FL	20.4	(12.8 -30.9)	22.4	(14.3 -33.3)
GA	37.1	(24.7 -51.4)	39.2	(27.4 -52.4)
HI	32.0	(22.9 -42.6)	31.0	(22.1 -41.7)
ID	24.5	(15.8 -35.8)	19.6	(12.6 -29.2)
IL	39.4	(28.1 -52.0)	39.8	(28.4 -52.4)
IN	28.7	(19.5 -40.1)	31.0	(20.7 -43.5)
IA	34.8	(25.4 -45.7)	32.5	(22.4 -44.5)
KS	41.6	(30.1 -54.2)	40.3	(28.9 -52.8)
KY	17.5	(10.6 -27.5)	17.6	(10.6 -27.9)
LA	21.1	(12.1 -34.0)	18.1	(10.2 -30.0)
ME	31.6	(21.4 -44.0)	33.2	(21.4 -47.4)
MD	43.0	(31.4 -55.6)	39.3	(28.4 -51.3)
MA	46.3	(35.2 -57.7)	41.7	(30.4 -53.9)
MI	26.8	(18.5 -37.1)	26.1	(18.5 -35.4)
MN	50.1	(39.5 -60.8)	49.8	(39.9 -59.7)
MS	17.2	(6.6 -37.6)	20.2	(7.6 -44.0)
MO	23.4	(15.6 -33.6)	22.7	(15.5 -31.9)
MT	46.3	(34.7 -58.4)	39.0	(28.4 -50.8)
NE	33.1	(24.3 -43.4)	31.5	(22.8 -41.7)
NV	30.9	(18.4 -47.0)	27.2	(16.5 -41.4)
NH	32.0	(21.4 -44.9)	32.8	(21.9 -45.9)
NJ	32.9	(21.6 -46.6)	32.2	(20.5 -46.7)
NM	38.4	(24.1 -54.9)	42.6	(27.3 -59.4)
NY	17.5	(9.9 -29.1)	23.4	(14.9 -34.8)
NC	47.6	(34.3 -61.3)	46.8	(33.3 -60.8)
ND	30.0	(21.9 -39.6)	27.3	(19.6 -36.7)
OH	41.1	(29.6 -53.6)	40.7	(28.6 -54.1)
OK	35.1	(23.5 -48.8)	36.9	(24.8 -50.9)
OR	58.8	(46.0 -70.5)	59.8	(47.5 -71.0)
PA	26.7	(17.5 -38.6)	26.0	(17.4 -36.9)
RI	34.1	(23.5 -46.6)	33.3	(24.0 -44.2)

State	Unadjusted		Adjusted	
	Estimate	(95% CI)	Estimate	(95% CI)
SC	20.6	(12.1 -33.0)	21.4	(12.5 -34.3)
SD	40.4	(30.2 -51.5)	34.8	(25.1 -45.9)
TN	26.2	(17.0 -38.1)	26.5	(17.0 -39.0)
TX	34.1	(22.8 -47.5)	36.4	(26.5 -47.7)
UT	33.1	(24.3 -43.4)	29.1	(21.0 -38.9)
VT	39.7	(28.2 -52.6)	35.3	(24.5 -47.8)
VA	26.8	(17.5 -38.7)	26.5	(17.2 -38.5)
WA	31.9	(21.6 -44.3)	25.8	(17.0 -37.0)
WV	33.2	(21.1 -48.1)	32.6	(20.7 -47.3)
WI	25.9	(17.7 -36.2)	23.5	(16.4 -32.3)
WY	27.6	(18.4 -39.1)	25.3	(16.5 -36.8)
Variance	89.2		85.6	

Bold = significantly different from US, $p < 0.05$

^aAdjusted for child age, sex, race/ethnicity, primary household language, family structure, highest household education, household income-to-poverty ratio, insurance coverage and type, medical home, preventive visit in past year, child health status, and special health care needs status.

eTable 4. Unadjusted and Adjusted Developmental Surveillance Rates by State

State	Unadjusted		Adjusted ^a	
	Estimate	(95% CI)	Estimate	(95% CI)
US	37.1	(34.4 -39.8)	37.1	(34.4 -39.8)
AL	29.2	(18.4 -43.1)	31.7	(20.2 -46.0)
AK	53.9	(41.8 -65.5)	54.2	(41.8 -66.1)
AZ	36.5	(23.9 -51.3)	36.5	(23.4 -52.0)
AR	44.2	(30.9 -58.4)	41.1	(27.3 -56.5)
CA	27.9	(16.8 -42.5)	25.8	(16.2 -38.4)
CO	44.8	(33.0 -57.2)	46.8	(32.8 -61.3)
CT	47.7	(35.0 -60.6)	48.3	(35.7 -61.2)
DE	40.4	(28.8 -53.2)	39.4	(27.7 -52.5)
DC	37.3	(27.3 -48.4)	39.3	(29.3 -50.2)
FL	37.0	(25.1 -50.6)	36.6	(25.9 -48.8)
GA	33.7	(21.8 -48.2)	34.6	(22.6 -49.0)
HI	36.7	(27.1 -47.5)	36.5	(26.3 -48.0)
ID	49.8	(38.9 -60.8)	43.2	(33.2 -53.8)
IL	42.2	(31.0 -54.2)	43.8	(33.1 -55.0)
IN	32.5	(22.4 -44.5)	31.4	(21.6 -43.2)
IA	59.4	(48.6 -69.4)	55.5	(44.9 -65.7)
KS	31.5	(22.1 -42.6)	32.3	(23.2 -43.0)
KY	28.8	(19.0 -41.2)	29.9	(19.3 -43.1)
LA	31.2	(19.0 -46.6)	25.4	(15.3 -39.0)
ME	41.5	(30.0 -53.9)	39.8	(27.8 -53.1)
MD	47.3	(35.1 -59.8)	43.3	(31.3 -56.1)
MA	54.9	(43.5 -65.9)	48.3	(37.1 -59.7)
MI	34.1	(24.3 -45.5)	36.1	(26.4 -47.2)
MN	45.8	(35.4 -56.6)	47.0	(36.6 -57.7)
MS	19.1	(9.0 -36.0)	21.0	(9.8 -39.5)
MO	38.1	(26.8 -50.8)	38.3	(26.8 -51.2)
MT	42.1	(31.2 -53.9)	37.5	(27.3 -48.9)
NE	32.8	(23.9 -43.1)	32.7	(23.7 -43.2)
NV	33.4	(22.7 -46.2)	35.6	(24.0 -49.2)
NH	30.6	(21.4 -41.6)	30.1	(21.1 -40.8)
NJ	26.7	(16.8 -39.7)	26.9	(17.5 -39.0)
NM	36.8	(23.6 -52.4)	30.6	(17.9 -47.1)
NY	32.5	(21.4 -45.9)	39.2	(25.6 -54.7)
NC	49.5	(36.3 -62.9)	47.2	(34.4 -60.3)
ND	40.4	(31.5 -50.0)	38.4	(29.5 -48.1)
OH	40.3	(29.0 -52.7)	38.2	(26.5 -51.4)
OK	30.6	(20.5 -43.1)	30.4	(20.3 -42.9)
OR	60.8	(49.0 -71.5)	61.1	(49.4 -71.7)
PA	36.6	(25.8 -49.0)	37.2	(27.0 -48.7)
RI	42.6	(31.1 -55.0)	40.0	(28.7 -52.4)

State	Unadjusted		Adjusted ^a	
	Estimate	(95% CI)	Estimate	(95% CI)
SC	41.7	(29.2 -55.3)	41.1	(29.1 -54.3)
SD	44.4	(34.4 -54.9)	42.5	(32.2 -53.4)
TN	42.5	(30.9 -55.0)	41.1	(29.6 -53.5)
TX	30.9	(19.9 -44.6)	31.4	(21.7 -43.1)
UT	47.3	(37.3 -57.5)	45.9	(35.9 -56.3)
VT	39.4	(27.9 -52.2)	33.9	(23.3 -46.5)
VA	43.3	(32.2 -55.1)	38.8	(28.4 -50.3)
WA	47.1	(35.0 -59.5)	42.9	(31.1 -55.6)
WV	48.5	(34.8 -62.5)	51.2	(37.2 -65.0)
WI	39.0	(28.8 -50.2)	37.5	(27.8 -48.4)
WY	41.8	(30.3 -54.4)	38.9	(27.0 -52.3)
Variance	70.5		61.5	

Bold = significantly different from US, p<0.05

^aAdjusted for child age, sex, race/ethnicity, primary household language, family structure, highest household education, household income-to-poverty ratio, insurance coverage and type, medical home, preventive visit in past year, child health status, and special health care needs status.