

Appendix Table 1. Rate Ratios of Encounters and Influenza Vaccinations

	Encounters (N=23,773) RR (95% CI)%	Influenza Vaccination (N=20,984) RR (95% CI)
Social Deprivation Mobility Group		
Always low	Ref	Ref
Always high	1.09 (1.02-1.17)	1.13 (1.03-1.23)
High-to-low	1.00 (0.94-1.06)	1.03 (0.95-1.12)
Low-to-high	1.05 (1.00-1.11)	1.04 (0.96-1.13)
Varied	1.02 (0.95-1.11)	1.08 (0.96-1.21)
Number of Residential Moves		
0	Ref	Ref
1-2	0.91 (0.87-0.95)	0.93 (0.89-0.98)
3 or more	0.85 (0.78-0.93)	0.80 (0.73-0.89)
Race/Ethnicity		
Non-Hispanic White	Ref	Ref
Latino	1.09 (1.01-1.17)	1.38 (1.23-1.54)
Non-Hispanic Black	0.85 (0.78-0.93)	1.27 (1.06-1.51)
Age at first encounter		
3-5 years	Ref	Ref
6-11 years	0.90 (0.87-0.93)	0.72 (0.67-0.78)
12-17 years	1.14 (1.04-1.25)	0.80 (0.73-0.89)
Sex		
Female	Ref	Ref
Male	0.89 (0.87-0.92)	1.03 (0.99-1.06)
Insurance Type		
Some private insurance	Ref	Ref
Never insured	0.95 (0.78-1.16)	0.98 (0.77-1.24)
Some public and private	1.18 (1.10-1.27)	0.71 (0.61-0.82)
Some public insurance	1.10 (1.03-1.17)	0.90 (0.78-1.04)
BMI Category		
Never overweight/obese	Ref	Ref
Sometimes overweight/obese	1.17 (1.14-1.21)	0.93 (0.88-0.98)
Always overweight/obese	1.09 (1.06-1.13)	0.97 (0.92-1.02)
Percent of US Federal Poverty Level		
Always ≥138	Ref	Ref
Above & below 138	1.09 (1.02-1.16)	0.74 (0.65-0.83)
Always <138	1.06 (0.99-1.12)	0.86 (0.77-0.95)
Not documented	0.87 (0.79-0.96)	1.21 (1.01-1.45)
Visits per Year		
Less than 1	N/A	Ref
1 to 2	N/A	2.14 (1.93-2.39)
3 to 4	N/A	3.40 (3.05-3.78)
5 or more	N/A	5.26 (4.61-6.00)

Appendix Table 2. Odds Ratios of Pneumococcal Vaccination Ever (within study period) (N=20,984)

	OR (95%CI)
Social Deprivation Mobility Group	
Always low	Ref
Always high	1.03 (0.93-1.15)
High-to-low	1.03 (0.88-1.21)
Low-to-high	1.15 (0.96-1.37)
Varied	1.25 (0.98-1.60)
Number of Residential Moves	
0	Ref
1-2	1.27 (1.15-1.41)
3 or more	0.92 (0.70-1.21)
Race/Ethnicity	
Non-Hispanic White	Ref
Latino	1.23 (1.10-1.37)
Non-Hispanic Black	1.27 (1.10-1.47)
Sex	
Female	Ref
Male	1.11 (1.03-1.19)
Insurance Type	
Some private insurance	Ref
Never insured	1.07 (0.75-1.52)
Some public and private	0.66 (0.48-0.89)
Some public insurance	1.41 (1.19-1.69)
Visits per Year	
Less than 1	Ref
1 to 2	1.73 (1.44-2.07)
3 to 4	2.59 (2.13-3.15)
5 or more	3.84 (3.15-4.69)
BMI Category	
Never overweight/obese	Ref
Sometimes overweight/obese	0.80 (0.72-0.89)
Always overweight/obese	0.45 (0.44-0.53)
Percent of US Federal Poverty Level	
Always ≥138	Ref
Above & below 138	0.60 (0.49-0.74)
Always <138	0.87 (0.72-1.04)
Not documented	0.92 (0.75-1.14)