

## Supplemental Material for

# “HPV Vaccine Coverage Among Adolescent Males in Ohio: Results of a Longitudinal Study”

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**Supplemental Table. Longitudinal Predictors of HPV Vaccine Initiation Among Adolescent Males (bivariate analysis)**

	<b>Number of Parents Reporting HPV Vaccine Initiation Among Sons at Follow-up/Total Number of Parents in the Category (%)</b>	<b>Bivariate RR (95% CI)</b>
<b>Parent Characteristics</b>		
Gender		
Female	148/389 (38.1)	Ref
Male	18/67 (26.9)	0.71 (0.47-1.07)
Age (years)		
Less than 40	46/120 (38.3)	0.93 (0.67-1.30)
Between 40 and 50	83/247 (33.6)	0.82 (0.60-1.11)
Greater than 50	37/90 (41.1)	Ref
Race/Ethnicity		
Non-Hispanic white	129/377 (34.2)	Ref
Non-Hispanic black	25/46 (54.4)	1.59 (1.18-2.14)*
Other	11/31 (35.5)	1.04 (0.63-1.70)
Education status		
High school or below	31/70 (44.3)	Ref
Associate degree or some college	48/157 (30.6)	0.39 (0.49-0.98)*
College degree	52/141 (36.9)	0.83 (0.59-1.17)
More than a college degree	35/88 (39.8)	0.29 (0.62-1.30)
Income		
Less than \$25000	25/59 (42.4)	Ref
\$25000 - \$50000	30/76 (39.5)	0.93 (0.62-1.40)
More than \$50000	107/312 (34.3)	0.81 (0.58-1.13)
Marital status		
Married	115/331 (34.7)	Ref
Not married	51/122 (41.8)	1.20 (0.93-1.55)
Number of children in household <18 years		
One	39/101 (38.6)	Ref
Two or more	124/351 (35.3)	0.91 (0.69-1.22)
County type		
Urban	103/261 (39.5)	Ref
Rural	63/196 (32.1)	0.81 (0.63-1.05)
<b>Reasons for Not Vaccinating</b>		
I never heard of the vaccine		
Yes	8/30 (26.7)	0.76 (0.41-1.40)
No	136/387 (35.1)	Ref
I do not know enough about it yet		
Yes	10/52 (19.2)	0.52 (0.30-0.93)*
No	134/365 (36.7)	Ref

I did not know boys are allowed to get		
Yes	13/31 (41.9)	1.24 (0.80-1.91)
No	131/386 (33.9)	Ref
It is too new		
Yes	5/22 (22.7)	0.65 (0.30-1.41)
No	139/395 (35.2)	Ref
It might be unsafe		
Yes	4/38 (10.5)	0.29 (0.11-0.73)*
No	140/379 (36.9)	Ref
My son is too young		
Yes	25/48 (52.1)	1.62 (1.19-2.20)*
No	119/369 (32.3)	Ref
My son is not having sex yet		
Yes	11/24 (45.8)	1.35 (0.86-2.14)
No	133/393 (33.8)	Ref
My son has not been to the doctor recently		
Yes	11/16 (68.8)	2.07 (1.45-2.97)**
No	133/401 (33.2)	Ref
His doctor did not recommend it		
Yes	25/73 (34.3)	0.99 (0.70-1.40)
No	119/344 (34.6)	Ref
Willingness to Vaccinate		
Definitely/Probably willing	101/185 (54.6)	Ref
Not sure	52/164 (31.7)	0.58 (0.45-0.75)**
Definitely/Probably not willing	9/99 (9.1)	0.17 (0.09-0.31)**
<b>Adolescent Male Characteristics</b>		
Age (years)		
11-12	75/176 (42.6)	Ref
13-14	57/163 (35.0)	0.82 (0.63-1.08)
15-16	34/118 (28.8)	0.68 (0.49-0.94)*
Son's race/Ethnicity		
Non-Hispanic white	125/363 (34.4)	Ref
Non-Hispanic black	25/45 (55.6)	1.61 (1.20-2.17)*
Other	16/48 (33.3)	0.97 (0.63-1.48)
General health		
Excellent	96/246 (39.0)	1.40 (0.66-3.011)
Very Good	48/154 (31.2)	1.12 (0.51-2.45)
Good	17/39 (43.6)	1.57 (0.69-3.58)
Fair/Poor	5/18 (27.8)	Ref
Received influenza vaccine		
Yes	130/306 (42.5)	1.82 (1.32-2.50)**
No	35/150 (23.3)	Ref
Received tetanus booster vaccine		
Yes	131/385 (34.0)	0.70 (0.53-0.92)*
No	35/72 (48.6)	Ref
Received meningococcal vaccine		
Yes	86/232 (37.1)	1.06 (0.83-1.36)
No	77/221 (34.8)	Ref

Note. Predictors were assessed during the baseline survey, and the outcome of HPV vaccine initiation was assessed during the 24-month follow-up survey. Analyses included parents (n = 466) who reported at baseline their sons had not received any doses of HPV vaccine and completed a follow-up survey. Totals may not sum to stated sample size due to missing data.

HPV=human papillomavirus; RR= relative risk; CI=confidence interval; Ref=referent group.

\*  $P < 0.05$

\*\*  $P < 0.001$