

SUPPLEMENTAL TABLE 1

Survey-weighted multiple logistic regression results for *Helicobacter pylori* seropositivity among participants in phase 1 of the third NHANES included in analysis ($N = 8,731$), United States, 1989–1991

	Model 1			Model 2			Model 3			Model 4			Model 5		
	OR	95% CI	P	OR	95% CI	P	OR	95% CI	P	OR	95% CI	P	OR	95% CI	P
Hepatitis A serostatus															
Negative															
Positive	2.87	2.40, 3.45	< 0.001	2.67	2.23, 3.20	< 0.001	2.47	2.06, 2.98	< 0.001	2.46	2.05, 2.96	< 0.001	2.45	2.03, 2.97	< 0.001
Age category															
≤ 19															
20–49	0.95	0.74, 1.23	0.700	0.91	0.71, 1.17	0.457	1.01	0.78, 1.31	0.940	1.02	0.79, 1.32	0.858	0.72	0.43, 1.19	0.185
50–69	2.23	1.75, 2.86	< 0.001	2.20	1.72, 2.81	< 0.001	2.62	2.01, 3.42	< 0.001	2.72	2.06, 3.57	< 0.001	1.94	1.24, 3.03	0.006
70+	3.41	2.57, 4.51	< 0.001	3.41	2.57, 4.54	< 0.001	3.73	2.82, 4.91	< 0.001	3.90	2.89, 5.26	< 0.001	2.83	1.84, 4.37	< 0.001
Gender															
Male															
Female	0.83	0.71, 0.96	0.015	0.82	0.71, 0.96	0.015	0.80	0.69, 0.93	0.006	0.81	0.69, 0.94	0.007	0.81	0.68, 0.95	0.014
Race															
White															
Black	3.46	2.91, 4.12	< 0.001	3.47	2.91, 4.14	< 0.001	3.03	2.54, 3.62	< 0.001	3.02	2.54, 3.58	< 0.001	3.02	2.52, 3.63	< 0.001
Mexican	3.14	2.54, 3.87	< 0.001	2.60	2.03, 3.32	< 0.001	2.23	1.74, 2.87	< 0.001	2.16	1.72, 2.71	< 0.001	2.19	1.75, 2.75	< 0.001
Other	3.22	2.28, 4.53	< 0.001	2.18	1.48, 3.21	< 0.001	1.93	1.29, 2.89	0.003	1.91	1.28, 2.83	0.003	1.92	1.29, 2.86	0.003
Birthplace															
U.S. born															
Foreign born	–	–	–	1.81	1.29, 2.54	0.001	1.85	1.34, 2.56	0.001	1.82	1.29, 2.55	0.001	1.83	1.30, 2.59	0.001
Income/poverty ratio															
≥ 5															
3–4.9	–	–	–	–	–	–	1.20	0.92, 1.56	0.166	1.19	0.92, 1.53	0.185	1.19	0.92, 1.54	0.177
2–2.9	–	–	–	–	–	–	1.77	1.36, 2.31	< 0.001	1.74	1.33, 2.26	< 0.001	1.73	1.33, 2.27	< 0.001
1–1.9	–	–	–	–	–	–	1.71	1.26, 2.34	0.002	1.66	1.21, 2.28	0.003	1.64	1.19, 2.26	0.004
< 1	–	–	–	–	–	–	2.19	1.56, 3.07	< 0.001	2.07	1.47, 2.93	< 0.001	2.05	1.43, 2.93	< 0.001
Household crowding*															
Smoking															
Never	–	–	–	–	–	–	–	–	–	1.13	0.90, 1.41	0.270	1.15	0.92, 1.45	0.200
Current	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Former	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Missing	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Alcohol															
No	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Yes	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Missing	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

CI = confidence interval; NHANES = National Health and Nutrition Examination Survey; OR = odds ratio.
 Model 1: hepatitis A + age + gender + race, Hosmer–Lemeshow goodness-of-fit ($P = 0.36$); Model 2: Model 1 + birthplace, Hosmer–Lemeshow goodness-of-fit ($P = 0.21$); Model 3: Model 2 + income-to-poverty ratio, Hosmer–Lemeshow goodness-of-fit ($P = 0.001$); Model 4: Model 3 + household crowding, Hosmer–Lemeshow goodness-of-fit ($P = 0.04$); Model 5: Model 4 + smoking + alcohol, Hosmer–Lemeshow goodness-of-fit ($P = 0.01$).
 * Household crowding modeled as a continuous variable (persons per room in household).

SUPPLEMENTAL TABLE 2

Survey-weighted multiple logistic regression sensitivity analysis results restricted to participants without hepatitis A immunizations in the 1999 NHANES, United States, 1999–2000 ($N = 5,452$)

	OR	95% CI	<i>P</i>
Hepatitis A serostatus			
Negative	–	–	–
Positive	2.32	1.73, 3.12	< 0.001
Age category			
≤ 19 and under	–	–	–
20–49	3.63	2.50, 5.26	< 0.001
50–69	7.51	5.30, 10.65	< 0.001
70+	9.16	5.45, 15.39	< 0.001
Gender			
Male	–	–	–
Female	0.88	0.77, 1.00	0.055
Race			
White	–	–	–
Black	3.83	2.62, 5.59	< 0.001
Mexican	3.00	2.16, 4.16	< 0.001
Other	1.92	1.34, 2.75	0.002
Birthplace			
U.S. born	–	–	–
Foreign born	1.88	1.29, 2.75	0.003
Income/poverty ratio			
≥ 5	–	–	–
3–4.9	1.18	0.76, 1.84	0.434
2–2.9	1.27	0.86, 1.88	0.202
1–1.9	1.51	1.09, 2.11	0.017
< 1	2.68	1.76, 4.09	< 0.001
Household crowding	1.24	0.83, 1.86	0.262

CI = confidence interval; NHANES = National Health and Nutrition Examination Survey; OR = odds ratio.

SUPPLEMENTAL TABLE 3

Association of *Helicobacter pylori* with infectious diseases over various transmission modes, NHANES 1999

<i>N</i>	Infection	Transmission	OR	<i>P</i>	95% CI
4,241	HSV-1	Sex/direct	2.81	< 0.001	1.98 3.98
3,213	HSV-2	Sex/direct	1.48	0.092	0.93 2.34
924	Varicella Zoster	Sex/direct	2.04	0.052	0.99 4.19
2,168	HIV	Sex/direct	2.06	0.361	0.4 10.6
2,588	<i>Chlamydia</i>	Sex/direct	1.12	0.80	0.43 2.88
5,679	<i>Cryptosporidium</i> 1	Fecal–oral	2.14	< 0.001	1.77 2.58
5,679	<i>Cryptosporidium</i> 2	Fecal–oral	2.2	< 0.001	1.62 2.97
8,015	<i>Toxoplasma</i>	Foodborne/zoonotic	1.91	< 0.001	1.52 2.39

CI = confidence interval; HSV = herpes simplex virus; HIV = human immunodeficiency virus; NHANES = National Health and Nutrition Examination Survey; OR = odds ratio. Survey weighted and adjusted for age, race, and gender. Bold values indicate statistically significant *P* values.