

SUPPLEMENTARY TABLE. Sociodemographic variation in attitudinal and social factors regarding COVID-19 vaccination, among unvaccinated children aged 6 months–4 years with parents open to vaccination for their child, National Immunization Survey-Child COVID Module, United States, July 1–29, 2022

Characteristic	No.	Unvaccinated children with Parents open to vaccination,* % (95% CI)					
		Concerned about child getting COVID-19 (Moderately or very concerned)	Importance of getting COVID-19 vaccine for child (Somewhat or very important)	Confidence in COVID-19 vaccine safety for child (Very or completely safe)	Friends/family had children aged 6 mos–4 yrs vaccinated against COVID-19 (Almost all or many)	Provider recommended COVID-19 vaccine for child (Yes)	Perceived difficulty to get child vaccinated against COVID-19 (Somewhat or very difficult)
Overall	2,439	54.7 (51.3–58.0)	87.3 (84.8–89.6)	57.1 (53.4–60.6)	21.1 (18.3–24.0)	24.6 (21.7–27.8)	15.8 (13.2–18.6)
Child's Age Group							
6 months–1 year (Ref)	767	59.0 (53.0–64.8)	86.4 (81.5–90.5)	51.2 (44.8–57.5)	21.1 (16.4–26.3)	24.4 (19.4–30.1)	14.0 (10.3–18.4)
2–4 years	1,672	52.8 (48.6–56.9)	87.7 (84.6–90.4)	59.6 (55.2–63.9) [†]	21.1 (17.7–24.7)	24.7 (21.1–28.6)	16.6 (13.3–20.3)
Child's Race/Ethnicity[§]							
White, non-Hispanic (Ref)	1,176	52.2 (47.5–57.0)	88.0 (84.7–90.9)	66.6 (61.8–71.1)	22.7 (18.8–27.0)	23.0 (19.1–27.2)	14.3 (11.0–18.3)
Black, NH	245	55.1 (45.4–64.5)	90.5 (83.8–95.1)	47.3 (36.5–58.2) [†]	13.2 (7.6–20.8) [†]	24.4 (16.5–33.7)	15.3 (9.4–23.0)
Asian, NH	198	59.2 (47.3–70.3)	86.1 (74.2–93.9)	60.9 (48.7–72.2)	26.2 (17.1–37.0)	25.5 (15.8–37.3)	16.6 (10.0–25.1)
Hispanic	587	56.7 (49.7–63.5)	85.1 (79.1–89.9)	47.9 (40.4–55.5) [†]	23.1 (17.4–29.6)	27.3 (21.1–34.3)	16.6 (11.2–23.3)
Multiple races/other, NH	233	54.3 (43.5–64.9)	89.3 (81.6–94.5)	54.0 (42.2–65.6) [†]	10.8 (6.1–17.5) [†]	21.4 (13.2–31.8)	20.4 (12.7–30.1)
Child's Sex							
Male (Ref)	1,278	54.7 (50.0–59.2)	87.9 (84.7–90.6)	57.0 (52.0–61.8)	20.4 (16.7–24.4)	25.6 (21.5–30.0)	15.0 (11.6–19.0)
Female	1,157	54.7 (49.6–59.7)	86.8 (82.5–90.3)	57.1 (51.7–62.4)	21.8 (17.8–26.3)	23.5 (19.3–28.1)	16.6 (12.9–20.9)
Household Income/Poverty Level[¶]							
>Poverty, >\$75,000/year (Ref)	1,136	58.5 (53.6–63.2)	89.7 (86.4–92.4)	69.6 (64.6–74.2)	23.7 (19.7–28.1)	26.7 (22.6–31.1)	9.9 (7.4–12.9)
>Poverty, ≤\$75,000/year	576	48.5 (41.6–55.4) [†]	81.7 (74.8–87.3) [†]	46.5 (39.3–53.8) [†]	18.6 (13.3–24.9)	29.1 (22.5–36.4)	18.8 (13.5–25.1) [†]
Below poverty level	225	51.1 (39.5–62.5)	86.5 (77.3–93.0)	37.5 (25.3–51.0) [†]	19.2 (11.2–29.6)	14.7 (8.5–23.2) [†]	22.0 (12.0–35.3) [†]
Income not reported	502	57.4 (50.1–64.5)	90.4 (86.0–93.8)	57.6 (49.4–65.4) [†]	20.4 (14.4–27.6)	21.2 (15.0–28.7)	18.8 (13.4–25.4) [†]
Mother's Education Level^{**}							
≥ College degree (Ref)	1,378	58.1 (53.6–62.6)	90.3 (87.8–92.5)	68.0 (63.4–72.5)	24.3 (20.4–28.6)	26.8 (22.8–31.1)	15.9 (12.6–19.7)
Some college/vocational school	554	53.7 (47.2–60.0)	85.1 (79.5–89.7)	50.9 (44.0–57.8) [†]	17.1 (12.4–22.7)	24.6 (19.1–30.9)	14.4 (10.3–19.4)
<HS, HS, or HS equivalent	507	51.0 (43.8–58.1)	85.3 (79.2–90.2)	46.8 (39.2–54.6)	20.4 (14.9–26.8)	21.7 (15.8–28.7)	16.8 (11.2–23.8)
Number of Children Under 18 in house							
1 child (Ref)	1,203	62.9 (58.1–67.5)	91.2 (88.3–93.5)	54.1 (48.8–59.3)	19.8 (16.0–24.0)	23.6 (19.4–28.2)	15.2 (11.7–19.2)
2+ children	1,236	49.9 (45.4–54.4) [†]	85.1 (81.3–88.3) [†]	58.8 (53.9–63.5)	21.9 (18.1–25.9)	25.3 (21.3–29.5)	16.1 (12.7–20.1)
Child ever had COVID-19 illness^{††}							
Yes (Ref)	987	55.9 (50.5–61.2)	90.7 (87.4–93.4)	60.5 (55.0–65.9)	23.1 (18.8–28.0)	26.7 (22.0–31.7)	12.9 (9.6–16.9)
No	1,407	54.0 (49.5–58.5)	85.7 (82.0–88.9) [†]	54.9 (50.0–59.7)	19.9 (16.4–23.9)	23.5 (19.7–27.7)	17.7 (14.1–21.8)
Urban-Rural Residence^{§§}							
Urban (MSA, principal city) (Ref)	885	56.2 (50.5–61.7)	90.2 (86.2–93.4)	58.7 (52.6–64.6)	21.7 (17.5–26.4)	26.9 (22.1–32.2)	13.6 (10.1–17.8)
Suburban (MSA, non-principal city)	1,137	55.0 (50.1–59.7)	85.2 (81.2–88.7) [†]	56.8 (51.6–61.8)	21.9 (17.8–26.4)	24.9 (20.7–29.5)	17.0 (13.0–21.5)

Rural (non-MSA)	338	47.4 (38.1–56.9)	87.5 (80.3–92.7)	53.0 (42.5–63.3)	14.2 (8.4–22.1)	15.6 (8.8–24.7) [†]	18.2 (11.2–27.3)
SVI of County of Residence^{¶¶}							
Low SVI (Ref)	760	55.4 (49.6–61.1)	87.3 (82.6–91.1)	62.3 (56.0–68.2)	22.6 (18.0–27.8)	27.5 (22.2–33.3)	12.7 (8.9–17.4)
Moderate SVI	759	54.9 (49.0–60.7)	86.7 (82.0–90.6)	56.7 (50.4–62.8)	18.0 (13.6–23.1)	28.1 (22.6–34.0)	15.5 (11.2–20.7)
High SVI	716	53.5 (47.0–59.9)	87.4 (82.2–91.6)	53.6 (46.6–60.5)	22.6 (17.5–28.5)	22.4 (17.3–28.2)	17.9 (13.0–23.8)
HHS Region^{***}							
Region I (Ref)	211	45.9 (35.5–56.6)	82.3 (72.3–89.8)	55.2 (43.5–66.5)	32.7 (22.6–44.2)	24.8 (16.4–34.8)	— ^{†††}
Region II	202	58.1 (46.2–69.4)	85.8 (76.3–92.5)	63.2 (50.6–74.6)	21.4 (12.8–32.5)	28.3 (17.9–40.7)	13.3 (6.4–23.5)
Region III	343	56.6 (47.9–65.0)	92.6 (88.5–95.5) [†]	60.6 (51.0–69.6)	25.3 (17.9–33.9)	26.9 (19.5–35.4)	14.6 (8.9–22.0)
Region IV	370	54.6 (46.9–62.1)	85.9 (79.5–90.9)	53.7 (45.6–61.7)	16.9 (11.6–23.5) [†]	25.7 (19.2–33.1)	18.4 (12.6–25.5)
Region V	261	50.4 (41.7–59.2)	87.7 (79.7–93.4)	63.4 (53.9–72.1)	22.1 (15.5–30.1)	26.1 (18.6–34.9)	12.5 (7.2–19.6)
Region VI	407	54.0 (45.9–61.9)	90.3 (84.2–94.7)	52.5 (43.7–61.1)	24.1 (16.9–32.5)	18.6 (12.9–25.5)	15.6 (10.3–22.1)
Region VII	123	50.1 (36.3–63.9)	84.9 (71.3–93.7)	67.0 (52.8–79.3)	16.7 (8.5–28.4) [†]	13.9 (6.7–24.3)	11.6 (5.9–19.7)
Region VIII	222	44.7 (34.7–55.1)	91.4 (84.9–95.7)	64.8 (54.0–74.7)	18.4 (11.3–27.5) [†]	21.5 (13.6–31.4)	11.6 (6.0–19.7)
Region IX	195	61.8 (50.2–72.4) [†]	85.1 (75.5–92.1)	52.8 (40.5–64.8)	19.3 (11.2–30.0)	29.1 (19.4–40.5)	20.5 (11.8–31.8)
Region X	105	51.9 (36.8–66.8)	87.3 (70.6–96.4)	—	—	—	—

Abbreviations: HHS = Health and Human Services; HS = high school; NH = non-Hispanic; Ref = referent; SVI = Social Vulnerability Index

* Definitely/probably/unsure will get the child vaccinated.

[†] Statistically significant at P<0.05 compared to the Ref group

[§] Race of child was reported by parent/guardian respondent. Children of Hispanic ethnicity might be of any race. Children identified as multiple races had more than one race category selected. Other race included American Indian/Alaska Native and Native Hawaiian/other Pacific Islander. White, non-Hispanic was used as the Ref group due to the large sample size and the higher vaccination coverage and lower intent for this group.

[¶] Income/Poverty level was defined based on total family income in the past calendar year, and the U.S. Census federal poverty thresholds for that year specified for the applicable family size and number of children <18 years. Poverty thresholds are available at <https://www.census.gov/data/tables/time-series/demo/income-poverty/historical-poverty-thresholds.html>.

^{**} Mother's education and number of children in the household were collapsed into fewer categories than the Table due to smaller sample size for this table.

^{††} Based on parent report and not confirmed by COVID-19 testing.

^{§§} Based on respondent reported zip code of residence.

^{¶¶} The CDC/ATSDR Social Vulnerability Index was developed, using 15 U.S. census variables, to help officials identify communities that may need support before, during, or after disasters. Categorization of NIS-CCM data into an SVI level was based on zip code of residence reported by the respondent. Details on the SVI are available at <https://www.atsdr.cdc.gov/placeandhealth/svi/index.html>.

^{***} Region I: Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont; Region II: New Jersey, New York, Puerto Rico, US Virgin Islands; Region III: Delaware, District of Columbia, Maryland, Pennsylvania, Virginia West Virginia; Region IV: Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee; Region V: Illinois, Indiana, Michigan, Minnesota, Ohio, Wisconsin; Region VI: Arkansas, Louisiana, New Mexico, Oklahoma, Texas; Region VII: Iowa, Kansas, Missouri, Nebraska; Region VIII: Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming; Region IX: Arizona, California, Hawaii, Nevada, Guam; Region X: Alaska, Idaho, Oregon, Washington.

^{†††} Estimates not meeting reliability criteria for proportions were suppressed. https://www.cdc.gov/nchs/data/series/sr_02/sr02_175.pdf