

Supplementary Table S1 - Percentage of Children Aged 1–5 Years Who Consume Sugar-Sweetened Beverages ≥4 Times per Week, By State and Income-to-Poverty Ratio, National Survey of Children’s Health, 2021–2023

State	Unweighted n	Income to Poverty Ratio				
		Overall % (95% CI)	<130% % (95% CI)	130–349% % (95% CI)	≥350% % (95% CI)	p-trend
Overall	55,399	21.1 (20.2–21.9)	33.1 (30.7–35.6)	22.4 (21.0–23.9)	12.1 (11.2–13.0)	<0.001
Alabama	930	33.5 (29.1–38.3)	49.7 (39.4–60.0)	29.7 (23.7–36.5)	22.6 (16.8–29.7)	<0.001
Alaska	940	15.6 (12.0–20.1)	22.0 (12.5–35.8)	16.3 (10.8–23.7)	10.7 (6.7–16.7)	0.07
Arizona	847	22.3 (17.8–27.6)	39.4 (27.9–52.2)	18.4 (11.9–27.5)	10.5 (6.8–16.0)	<0.001
Arkansas	945	28.8 (24.6–33.5)	36.1 (27.8–45.4)	27.3 (21.3–34.1)	20.2 (13.3–29.3)	0.009
California	2,654	15.8 (13.2–18.8)	30.1 (22.6–38.9)	17.3 (12.5–23.4)	7.2 (5.2–9.9)	<0.001
Colorado	1,505	13.3 (10.7–16.4)	25.9 (15.7–39.6)	15.4 (10.9–21.3)	7.1 (5.3–9.6)	<0.001
Connecticut	1,008	15.0 (11.6–19.2)	32.0 (19.3–48.0)	17.6 (10.0–29.1)	7.8 (5.3–11.2)	<0.001
Delaware	881	22.4 (18.2–27.4)	37.6 (25.5–51.4)	25.1 (18.5–33.0)	11.5 (7.6–17.0)	<0.001
District of Columbia	1,113	16.9 (12.7–22.1)	35.3 (22.0–51.3)	37.6 (22.6–55.4)	4.7 (2.8–7.7)	<0.001
Florida	860	22.8 (18.6–27.8)	34.9 (25.1–46.2)	24.1 (17.6–32.2)	9.5 (5.9–15.0)	<0.001
Georgia	1,226	23.1 (19.7–26.9)	29.8 (21.0–40.4)	26.1 (20.2–33.0)	14.5 (10.6–19.5)	0.004
Hawaii	1,002	14.9 (11.5–19.1)	22.3 (13.0–35.5)	14.6 (9.3–22.1)	11.6 (7.7–17.1)	0.09
Idaho	900	23.2 (19.3–27.7)	29.1 (19.7–40.7)	23.5 (18.0–30.1)	15.6 (10.5–22.6)	0.05
Illinois	1,143	21.8 (18.1–26.0)	35.7 (25.7–47.1)	24.2 (17.3–32.8)	12.6 (8.8–17.6)	<0.001
Indiana	938	21.7 (18.2–25.8)	28.2 (19.3–39.2)	22.6 (17.0–29.4)	15.8 (10.7–22.9)	0.04
Iowa	980	16.9 (13.8–20.6)	21.1 (12.6–33.2)	19.1 (13.8–25.7)	11.8 (8.8–15.8)	0.04
Kansas	1,460	17.5 (14.6–20.7)	28.5 (20.3–38.3)	18.5 (13.8–24.5)	9.9 (7.3–13.1)	<0.001
Kentucky	921	25.5 (21.7–29.7)	27.9 (19.9–37.5)	25.4 (19.9–31.9)	22.9 (17.1–30.0)	0.38
Louisiana	1,233	31.1 (27.1–35.4)	39.8 (31.3–49.1)	27.4 (21.2–34.5)	26.0 (20.3–32.6)	0.01
Maine	1,011	10.5 (8.3–13.4)	15.1 (9.3–23.7)	12.0 (7.9–17.9)	7.4 (5.0–10.7)	0.02
Maryland	901	21.9 (17.7–26.8)	28.2 (17.0–43.0)	30.1 (21.3–40.6)	15.0 (10.6–20.9)	0.02
Massachusetts	885	14.0 (10.4–18.7)	42.4 (26.5–60.0)	11.8 (6.1–21.7)*	7.3 (4.5–11.7)	<0.001
Michigan	950	19.2 (15.7–23.2)	28.9 (19.7–40.3)	21.0 (15.2–28.2)	10.0 (6.8–14.6)	<0.001
Minnesota	1,313	14.2 (11.1–18.0)	25.0 (14.9–38.7)	16.9 (11.2–24.6)	7.9 (5.8–10.9)	0.002

Mississippi	815	33.7 (28.9–38.8)	40.8 (32.0–50.3)	29.2 (22.3–37.2)	28.7 (19.4–40.2)	0.07
Missouri	949	21.7 (17.7–26.4)	26.5 (16.4–39.9)	27.6 (21.5–34.8)	11.7 (7.5–17.9)	0.01
Montana	954	19.1 (15.0–24.0)	27.3 (16.5–41.6)	15.8 (10.9–22.3)	18.1 (11.7–26.9)	0.30
Nebraska	1,089	18.3 (14.8–22.4)	32.2 (21.6–44.8)	18.9 (13.9–25.2)	9.8 (6.5–14.5)	<0.001
Nevada	819	18.7 (15.3–22.6)	26.2 (17.7–36.9)	16.5 (11.5–23.0)	15.1 (10.4–21.4)	0.06
New Hampshire	937	10.0 (7.4–13.4)	17.3 (7.9–33.9)*	11.8 (7.5–18.1)	6.9 (4.1–11.4)	0.07
New Jersey	913	16.2 (12.7–20.4)	27.3 (15.2–44.1)	20.5 (13.8–29.3)	10.3 (6.9–14.9)	0.008
New Mexico	998	27.4 (23.4–31.9)	35.7 (27.5–45.0)	30.2 (23.5–37.9)	12.4 (8.0–18.7)	<0.001
New York	1,897	17.3 (14.6–20.5)	28.8 (21.2–37.7)	20.0 (14.9–26.2)	9.1 (6.8–12.0)	<0.001
North Carolina	846	24.9 (20.3–30.1)	41.2 (27.8–56.1)	24.7 (17.2–34.1)	15.1 (9.9–22.5)	<0.001
North Dakota	906	13.5 (10.6–17.0)	18.4 (9.1–33.8)*	13.5 (9.0–19.8)	11.6 (8.2–16.1)	0.26
Ohio	1,435	20.0 (17.3–23.0)	31.2 (23.7–39.7)	19.9 (15.2–25.6)	13.0 (9.8–17.2)	<0.001
Oklahoma	918	25.7 (21.5–30.4)	25.9 (18.0–35.9)	28.0 (20.4–37.2)	21.5 (14.8–30.1)	0.47
Oregon	1,923	13.2 (10.8–16.1)	22.1 (14.9–31.4)	15.1 (11.1–20.3)	6.4 (4.7–8.8)	<0.001
Pennsylvania	1,223	16.6 (13.7–20.0)	22.8 (15.1–33.0)	19.0 (13.8–25.6)	11.6 (8.8–15.3)	0.008
Rhode Island	941	14.4 (11.3–18.1)	22.2 (12.1–37.1)	15.8 (10.2–23.6)	11.0 (7.5–15.8)	0.06
South Carolina	892	26.6 (22.5–31.3)	38.1 (28.4–48.9)	26.0 (19.5–33.7)	16.7 (11.8–23.0)	<0.001
South Dakota	999	13.4 (10.3–17.3)	10.5 (4.8–21.3)*	17.6 (12.1–24.9)	9.6 (7.1–12.9)	0.52
Tennessee	1,251	26.7 (23.3–30.4)	39.1 (30.4–48.5)	27.0 (21.6–33.1)	15.4 (11.5–20.2)	<0.001
Texas	892	31.5 (26.6–36.9)	42.3 (31.2–54.3)	32.2 (23.4–42.5)	20.3 (14.7–27.4)	0.002
Utah	987	21.6 (18.2–25.5)	28.4 (18.2–41.6)	22.8 (17.7–28.9)	17.1 (12.3–23.2)	0.06
Vermont	931	8.6 (6.4–11.3)	7.4 (2.6–19.1)*	11.3 (7.6–16.4)	6.8 (3.8–11.7)	0.63
Virginia	925	18.2 (14.5–22.5)	41.2 (27.6–56.3)	21.2 (14.6–29.8)	7.4 (4.4–12.1)	<0.001
Washington	982	14.4 (11.5–17.8)	23.0 (13.8–36.0)	16.7 (11.3–24.0)	9.7 (7.3–12.9)	0.006
West Virginia	960	26.8 (22.8–31.1)	32.2 (24.4–41.2)	27.4 (21.3–34.4)	19.7 (13.4–28.0)	0.03
Wisconsin	1,372	14.0 (11.1–17.4)	19.6 (10.9–32.8)	15.9 (11.3–21.9)	9.4 (6.9–12.7)	0.04
Wyoming	1,099	16.7 (13.8–20.1)	24.8 (15.9–36.5)	15.0 (11.2–19.6)	14.4 (9.8–20.8)	0.10

Estimated prevalence of ≥ 4 times per week SSB consumption is displayed with 95% confidence intervals.

p-trend values based on Cochran-Mantel-Haenszel tests for trend

Abbreviations: CI = confidence interval

*Due to a relative standard error of greater than 0.30, these results may not be statistically reliable

Supplementary Table S2 - Percentage of Children Aged 1–5 Years Who Consume Sugar-Sweetened Beverages ≥1 Time per Week, By State and Income-to-Poverty Ratio, National Survey of Children’s Health, 2021–2023

State	Unweighted n	Income to Poverty Ratio				p-trend
		Overall % (95% CI)	<130% % (95% CI)	130–349% % (95% CI)	≥350% % (95% CI)	
Overall	55,399	57.1 (56.2-58.0)	72.2 (70.1-74.2)	60.5 (58.9-62.0)	44.3 (43.1-45.6)	<0.001
Alabama	930	67.0 (62.5-71.1)	79.1 (69.3-86.4)	65.7 (58.3-72.5)	56.3 (48.9-63.4)	<0.001
Alaska	940	51.6 (46.5-56.7)	68.3 (52.9-80.5)	52.4 (43.8-60.8)	40.0 (33.5-46.8)	<0.001
Arizona	847	60.7 (55.4-65.8)	74.9 (63.1-83.8)	62.9 (53.5-71.4)	44.4 (36.3-52.8)	<0.001
Arkansas	945	70.8 (66.5-74.7)	79.5 (71.2-85.9)	70.6 (64.0-76.5)	57.7 (49.7-65.4)	<0.001
California	2,654	52.0 (48.6-55.3)	67.6 (60.3-74.2)	60.9 (54.2-67.3)	36.9 (32.6-41.5)	<0.001
Colorado	1,505	55.4 (51.6-59.2)	68.9 (57.3-78.5)	62.8 (56.1-69.1)	44.9 (40.1-49.7)	<0.001
Connecticut	1,008	43.4 (38.8-48.2)	61.0 (44.6-75.2)	45.2 (34.6-56.3)	36.5 (31.3-42.2)	0.002
Delaware	881	55.2 (50.1-60.2)	69.5 (56.5-79.9)	60.9 (51.1-69.9)	42.2 (35.4-49.4)	<0.001
District of Columbia	1,113	44.8 (39.3-50.3)	68.8 (52.4-81.6)	71.9 (55.0-84.2)	28.7 (23.3-34.9)	<0.001
Florida	860	52.5 (47.5-57.4)	70.8 (60.8-79.2)	50.2 (41.7-58.7)	37.2 (30.5-44.5)	<0.001
Georgia	1,226	64.2 (60.3-67.9)	78.5 (69.3-85.5)	68.6 (61.7-74.8)	47.6 (41.9-53.4)	<0.001
Hawaii	1,002	51.8 (46.7-56.8)	62.4 (48.6-74.4)	51.4 (42.7-60.0)	47.1 (39.6-54.7)	0.06
Idaho	900	67.4 (62.9-71.6)	72.6 (62.4-81.0)	70.1 (63.3-76.1)	55.6 (48.0-62.9)	0.009
Illinois	1,143	55.3 (51.1-59.5)	69.2 (58.0-78.5)	57.7 (49.3-65.6)	46.1 (40.9-51.4)	<0.001
Indiana	938	62.8 (58.6-66.7)	63.9 (53.6-73.1)	67.0 (60.6-72.8)	56.5 (49.6-63.2)	0.17
Iowa	980	59.5 (55.1-63.9)	66.8 (54.1-77.5)	63.6 (56.1-70.5)	50.2 (44.2-56.3)	0.005
Kansas	1,460	56.3 (52.2-60.3)	69.2 (58.1-78.4)	60.6 (53.8-66.9)	44.1 (38.7-49.7)	<0.001
Kentucky	921	62.0 (57.3-66.4)	67.0 (56.4-76.1)	63.0 (55.5-70.0)	54.7 (47.2-62.0)	0.06
Louisiana	1,233	69.0 (64.6-73.0)	76.0 (67.2-83.1)	68.6 (60.6-75.6)	62.0 (55.3-68.4)	0.008
Maine	1,011	38.6 (34.5-42.9)	50.1 (38.0-62.1)	41.7 (34.1-49.8)	31.2 (25.6-37.4)	0.002
Maryland	901	55.3 (50.3-60.2)	69.7 (54.9-81.3)	65.2 (55.5-73.8)	44.3 (38.0-50.8)	<0.001
Massachusetts	885	47.3 (42.4-52.2)	69.5 (54.5-81.2)	52.8 (40.9-64.4)	38.6 (33.2-44.3)	<0.001

Michigan	950	52.4 (47.9-56.9)	66.1 (54.3-76.1)	53.4 (45.3-61.4)	41.2 (35.0-47.7)	<0.001
Minnesota	1,313	51.6 (47.4-55.7)	71.3 (59.2-81.0)	57.7 (50.3-64.7)	39.1 (34.4-44.1)	<0.001
Mississippi	815	75.6 (70.9-79.7)	83.8 (74.6-90.2)	70.4 (61.7-77.9)	69.9 (62.0-76.7)	0.007
Missouri	949	58.7 (54.0-63.3)	70.5 (58.0-80.5)	66.2 (57.8-73.6)	42.1 (35.5-49.1)	<0.001
Montana	954	60.0 (55.2-64.6)	68.6 (55.0-79.5)	62.6 (54.6-69.9)	51.6 (44.0-59.1)	0.01
Nebraska	1,089	61.6 (57.5-65.6)	74.6 (62.3-83.9)	60.8 (54.1-67.2)	55.1 (48.9-61.2)	0.003
Nevada	819	60.1 (55.0-65.0)	74.3 (63.8-82.5)	61.0 (52.5-68.9)	46.9 (38.8-55.2)	<0.001
New Hampshire	937	37.5 (33.3-41.9)	51.3 (35.6-66.7)	38.4 (30.8-46.7)	33.3 (28.5-38.6)	0.03
New Jersey	913	47.7 (43.0-52.4)	57.7 (40.2-73.4)	54.5 (44.7-63.9)	40.8 (35.3-46.5)	0.02
New Mexico	998	68.2 (63.6-72.4)	80.8 (70.3-88.2)	66.1 (58.0-73.4)	55.7 (48.0-63.2)	<0.001
New York	1,897	50.5 (46.4-54.5)	65.8 (56.9-73.8)	59.1 (52.3-65.7)	35.6 (30.4-41.1)	<0.001
North Carolina	846	58.1 (53.0-63.0)	78.6 (66.2-87.4)	59.0 (49.8-67.7)	44.5 (37.4-51.9)	<0.001
North Dakota	906	60.7 (56.2-65.0)	69.7 (53.6-82.1)	59.3 (52.0-66.3)	58.6 (51.8-65.0)	0.24
Ohio	1,435	52.7 (49.2-56.2)	63.5 (54.6-71.5)	55.4 (49.2-61.5)	43.1 (38.3-47.9)	<0.001
Oklahoma	918	71.1 (66.5-75.2)	74.2 (62.9-83.0)	69.4 (61.6-76.2)	70.2 (62.2-77.2)	0.53
Oregon	1,923	50.8 (47.1-54.4)	66.6 (56.6-75.3)	58.2 (51.2-64.9)	35.0 (30.8-39.6)	<0.001
Pennsylvania	1,223	52.0 (47.9-56.1)	72.1 (61.9-80.4)	54.8 (47.2-62.2)	40.2 (34.9-45.8)	<0.001
Rhode Island	941	45.4 (40.6-50.3)	59.4 (44.8-72.5)	50.8 (40.7-60.8)	37.4 (31.6-43.5)	0.001
South Carolina	892	60.9 (56.2-65.3)	71.0 (60.8-79.4)	65.1 (57.7-71.8)	46.4 (38.9-54.0)	<0.001
South Dakota	999	58.9 (54.2-63.5)	57.0 (43.0-70.0)	65.0 (57.2-72.1)	51.9 (45.2-58.5)	0.3
Tennessee	1,251	65.3 (61.4-68.9)	83.7 (76.1-89.3)	61.4 (54.5-67.9)	54.1 (47.3-60.7)	<0.001
Texas	892	69.3 (64.6-73.6)	83.5 (73.5-90.2)	68.6 (58.6-77.2)	56.1 (48.4-63.4)	<0.001
Utah	987	66.6 (62.7-70.3)	73.1 (58.5-83.9)	69.1 (63.5-74.2)	60.3 (53.6-66.5)	0.04
Vermont	931	41.5 (36.9-46.1)	51.3 (37.0-65.3)	44.7 (36.9-52.7)	34.8 (29.1-40.9)	0.02
Virginia	925	52.6 (47.9-57.2)	77.6 (65.6-86.3)	56.4 (46.4-65.9)	40.6 (34.3-47.1)	<0.001
Washington	982	48.1 (43.4-52.8)	56.4 (39.5-72.0)	50.0 (40.2-59.7)	43.8 (38.5-49.3)	0.08
West Virginia	960	67.3 (62.8-71.6)	82.1 (73.0-88.6)	64.6 (57.4-71.2)	55.5 (47.0-63.7)	<0.001
Wisconsin	1,372	53.2 (49.3-57.2)	62.9 (50.5-73.8)	56.2 (49.4-62.8)	45.7 (40.6-50.9)	0.005
Wyoming	1,099	65.9 (61.7-69.8)	71.0 (60.2-79.8)	65.3 (59.2-70.8)	63.7 (56.3-70.4)	0.28

Estimated prevalence of ≥ 1 time per week SSB consumption is displayed with 95% confidence intervals.

p-trend values based on Cochran-Mantel-Haenszel tests for trend

Abbreviations: CI = confidence interval