

Statewide Trend Data
Obesity and Overweight Status in Asian Children ages 2 to 5 Years of Age
Participating in MN WIC by Year and Cultural Identity
Minnesota WIC Information System

Calendar Year	Bhutanese /Nepali Total	Bhutanese /Nepali # (%)	Cambodian Total	Cambodian # (%)	Hmong Total	Hmong # (%)	KaREN/ Karenni Total	KaREN/ Karenni # (%)	Laotian Total	Laotian # (%)	Vietnamese Total	Vietnamese # (%)
Overweight¹												
2019	97	9 (9.3)	164	10 (6.1)	3,214	641 (19.9)	750	111 (14.8)	139	23 (16.5)	174	18 (10.3)
2018	88	5 (5.7)	143	11 (7.7)	3,584	676 (18.9)	715	87 (12.2)	152	21 (13.8)	193	19 (9.8)
2017	68	6 (8.8)	169	12 (7.1)	3,799	714 (18.8)	591	80 (13.5)	179	15 (8.4)	214	22 (10.3)
2016	41	3 (7.3)	164	12 (7.3)	3,394	670 (19.7)	479	57 (11.9)	163	22 (13.4)	219	27 (12.3)
Obese²												
2019	97	4 (4.1)	164	8 (4.9)	3,214	550 (17.1)	750	112 (14.9)	139	11 (7.9)	174	17 (9.8)
2018	88	4 (4.5)	143	5 (3.5)	3,584	597 (16.7)	715	84 (11.7)	152	8 (15.3)	193	17 (8.8)
2017	68	1 (1.5)	169	6 (3.6)	3,799	652 (17.2)	591	70 (11.8)	179	16 (8.9)	214	24 (11.2)
2016	41	1 (2.4)	164	7 (4.3)	3,394	540 (15.9)	479	62 (12.9)	163	7 (4.3)	219	14 (6.4)
Overweight and Obese³												
2019	97	13 (13.4)	164	18 (11.0)	3,214	1,191 (37.1)	750	223 (29.7)	139	34 (24.5)	174	35 (20.1)
2018	88	9 (10.2)	143	16 (11.1)	3,584	1,273 (35.5)	715	171 (23.9)	152	29 (19.1)	193	36 (18.7)
2017	68	7 (10.3)	169	18 (10.7)	3,799	1,366 (36.0)	591	150 (25.4)	179	31 (17.3)	214	46 (21.5)
2016	41	4 (9.8)	164	19 (11.6)	3,394	1,210 (35.7)	479	119 (24.8)	163	29 (17.8)	219	41 (18.7)

All percentile data were taken from the 2000 CDC Growth Charts. Total children ages 2 to 5 years with weight status information. Analyses based on one randomly selected record per child. Excludes records with unknown data or errors. Biologically implausible values (BIV) for weight, height and BMI at a z score +5 removed, which is consistent with previous MN WIC reports for years 2011 to 2016. For 2017, BIV was defined for weight z score <-5 and >8; height z score <-5 and >4; BMI z score <-4 and >8. <https://www.cdc.gov/nccdphp/dnpao/growthcharts/resources/sas.htm>

Information on cultural identity was obtained from self-report to WIC (for 60% of infants) or (for 40% of infants) from race (Hmong, KaREN, Laotian, Somali, Liberian, Ethiopian, etc.) or mother's country of birth as reported on the birth certificate.

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For more information contact: Minnesota WIC Program 1 (800) 657-3942

¹ BMI for age \geq 85th percentile and $<$ 95th percentile

² BMI for age \geq 95th percentile

³ BMI for age \geq 85th percentile