



Overweight and Obesity Prevalence among Children Ages 2 through 4 Years

Enrolled in the Colorado WIC Program* During 2012

New methodology: In 2010, the Centers for Disease Control and Prevention (CDC) announced they would no longer produce the PedNSS (Pediatric Nutrition Surveillance System) reports. CDC published the last PedNSS results for 2011. States are now tasked with conducting their own analysis on their data. Of all the many data elements reported by PedNSS, pediatric overweight/obese data were viewed as most essential. CDC created an analysis methodology to obtain pediatric overweight/obese data that use a specific data set collected by all state WIC Programs, the WIC Participant and Program Characteristics (WIC PC) file. States have the option to use this methodology to produce their state-specific pediatric overweight/obese data.

During the summer of 2012, the Colorado WIC Program conducted an analysis of its 2012 PC file to assess the prevalence of overweight and obese children ages 2 through 4 years. The 2012 Colorado WIC PC file includes all actively enrolled participants in the WIC data base during the month of April 2012. This methodology is called "point prevalence methodology" and differs from past methodologies CDC produced. It contains children enrolled in the Colorado WIC Program during one month only. It does not contain the entire number of children participating in WIC over a one year time period (as previously presented in PedNSS). Hence, the number of children with biologically plausible data (data that are assumed accurate and consistent with what makes sense biologically) to analyze from 2012 is smaller than the number from past PedNSS estimates. Because of this new analysis methodology, the prevalence of overweight and obesity among children ages 2 through 4 years receiving WIC services from the WIC PC file are not directly comparable to past PedNSS prevalence estimates.

Because the 2012 estimates are based on actual measurement values of WIC participants, the estimates are valid and accurate. The 2012 estimates will serve as a new baseline for monitoring trends in future years.

2012 State Prevalence: Based on the new methodology, the 2012 state prevalence of overweight and obesity among Colorado WIC Program participants ages 2 through 4 years is below (Table 1). The prevalence estimate is reported along with its corresponding confidence interval (refer to the description about confidence intervals below). In 2012, 14.5 percent of low income children ages 2 through 4 years in Colorado were overweight, 8.4 percent were obese, and 22.9 percent were overweight or obese.

Table 1. Prevalence of overweight and obesity among children ages 2 through 4 years enrolled in the Colorado WIC Program (N = 33,615), 2012

	n	Overweight 85 th -<95 th percentile^ % (95% CI)	Obese ≥95 th percentile^ % (95% CI)	Overweight or Obese ≥85 th percentile^ % (95% CI)
Colorado	33,615	14.5 (14.1 - 14.9)	8.4 (8.1 - 8.7)	22.9 (22.4-23.3)

CI: Confidence Interval

^Based on 2000 CDC growth chart percentiles for BMI-for-age for children 2 years of age and older.

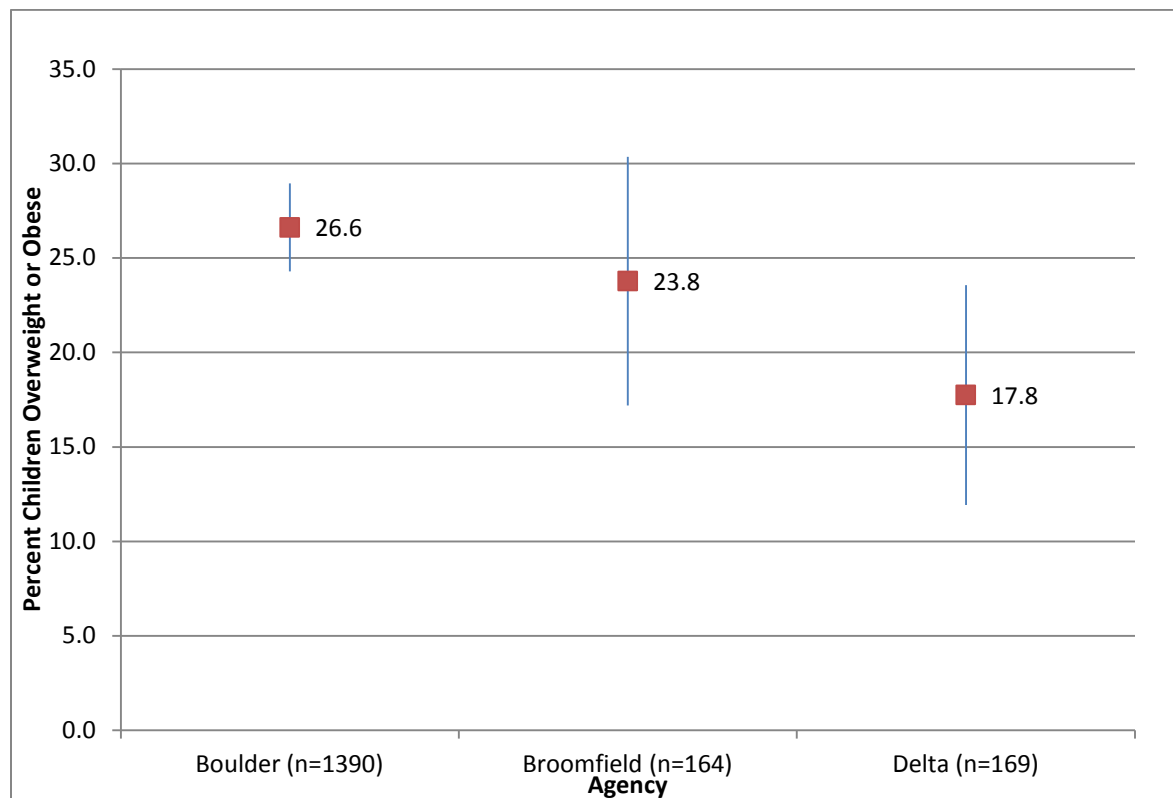
Data Source: 2012 WIC Participant and Program Characteristics (Colorado WIC PC) file

Note that the total number of children ages 2 through 4 years available for analysis after exclusions of implausible records was 33,615. This sample size is smaller than the sample sizes analyzed in the past by the PedNSS. The decreased sample size results in increased variability in estimates, which is why it becomes important to look at the confidence intervals, especially when making comparisons. It should be noted that prevalence estimates are suppressed for counties, agencies, and clinics with a sample size less than 100.

Confidence Intervals (CI): Confidence intervals are used to describe the possible margin of error of an estimated prevalence or rate. This report provides 95 percent confidence intervals. A 95 percent confidence interval indicates that 95 out of 100 times, the “true” prevalence value will be contained between the upper and lower limits of that confidence interval. Confidence intervals are directly affected by sample size. If the sample size is small, the confidence interval will likely be wide. Conversely, if the sample size is large, the confidence interval will likely be narrow. Confidence intervals are important for understanding if differences are statistically significant.

The CI example shows the prevalence of overweight or obese children for three agencies. The prevalence estimate is indicated by the red marker and the confidence interval is indicated by the blue line. Broomfield has the longest line and the smallest sample size, while Boulder has the shortest line and the largest sample size. The lines for Boulder and Broomfield overlap, so the prevalence estimates are not statistically significantly different. The lines for Boulder and Delta do not overlap, thus the prevalence of overweight or obese children ages 2 through 4 years served in Boulder County is 26.6 percent and this is statistically different from 17.8 percent, the prevalence of overweight or obese children in Delta County.

CI Example: Prevalence of overweight or obese children ages 2 through 4 years enrolled in the Colorado WIC Program by select agencies, 2012



Data Interpretation: Due to changes in methodology, these are a few things that cannot and can be done with these new estimates.

Cannot:

- Compare 2012 estimates to the PedNSS estimates from 2011 and earlier.
- Compare Colorado 2012 data to other states' 2012 data.

Can:

- Use the 2012 estimates as the new baseline for overweight and obese children ages 2 through 4.
- Compare data within the same year to other agencies, clinics, counties, and the state.
- Compare with future data when available – make sure to check the confidence interval overlap when making comparisons by year.

The following pages indicate the prevalence of overweight and obesity among children ages 2 through 4 years in 2012 by local WIC agency (Table 2), WIC clinic (Table 3), and county of WIC clinic (Table 4) along with their respective confidence intervals.

Note to Users of these Data:

Use these data as you monitor efforts to achieve healthy weight among the children you serve in your agency. It is helpful to look at the prevalence of overweight and obesity together because the sum of these values tells a much broader story of the burden among the population being served. Remember that although the 2012 data are valid, it is not comparable to PedNSS rates reported earlier.

Other partner programs within your broader agencies or external organizations may also find the data to be a useful surveillance tool as programmatic efforts targeting the health of children in early childhood emerge. Specifically, local WIC agencies can use the data to monitor progress related to early childhood obesity prevention nutrition education plans.

The data are posted on the Colorado WIC Program's web site. Click "Agency Staff", then "Reports". Scroll past the PedNSS tables to locate the 2012 data.

Future plans: Beginning 2013, these estimates for state, local agencies, clinics, and counties will be released in the spring following the year of the data. When 2014 data are released, three years of data will be aggregated (2012-2014) at the local WIC agency level to supply overweight and obese estimates to agencies with smaller caseloads. Colorado will continue to explore ways to identify data elements (other than pediatric overweight/obesity) that were once available through PedNSS.

*The Colorado Special Supplemental Nutrition Program for Women, Infants, and Children is commonly referred to as the Colorado WIC Program

Table 2. Prevalence of overweight and obesity among children ages 2 through 4 years enrolled in the Women, Infants, and Children (WIC) program by WIC agency, Colorado, 2012

Agency	Overweight 85th-<95th percentile ^A			Obese ≥95th percentile ^A			Overweight or Obese ≥85th percentile ^A			N
	%	Lower CI	Upper CI	%	Lower CI	Upper CI	%	Lower CI	Upper CI	
Baca County Public Health Agency	*	*	*	*	*	*	*	*	*	32
Bent County Public Health	*	*	*	*	*	*	*	*	*	48
Boulder County Public Health	16.2	14.25	18.13	10.4	8.82	12.04	26.6	24.29	28.94	1390
Broomfield County Health and Human Services	14.0	8.65	19.39	9.8	5.17	14.35	23.8	17.20	30.37	164
Clear Creek County Public and Environmental Health	*	*	*	*	*	*	*	*	*	35
Community Health Services Pitkin County	*	*	*	*	*	*	*	*	*	15
Delta County Health Department	13.0	7.89	18.14	4.7	1.50	7.97	17.8	11.93	23.57	169
Denver Health Medical Center	15.2	14.19	16.22	9.4	8.61	10.27	24.6	23.42	25.86	4809
Dolores County Public Health	*	*	*	*	*	*	*	*	*	8
Eagle County Public Health	15.9	11.75	20.04	7.0	4.07	9.84	22.8	18.09	27.61	302
El Paso County Public Health	13.3	12.34	14.26	5.1	4.45	5.69	18.4	17.28	19.47	4812
Garfield County Public Health	9.9	7.05	12.76	6.8	4.43	9.25	16.7	13.18	20.31	424
Grand County Public Health	*	*	*	*	*	*	*	*	*	55
Gunnison County Public Health	*	*	*	*	*	*	*	*	*	76
Jefferson County Department of Health and Environment	14.4	12.91	15.96	8.4	7.24	9.65	22.9	21.05	24.70	2037
Kit Carson County Health and Human Services	11.4	6.09	16.76	7.9	3.34	12.37	19.3	12.67	25.90	140
Larimer County Department of Health and Environment	15.2	13.25	17.18	7.5	6.09	8.97	22.7	20.46	25.04	1288
Las Animas-Huerfano Counties District Health Department	16.2	10.34	22.12	14.3	8.70	19.87	30.5	23.16	37.87	154
Lincoln County Public Health	*	*	*	*	*	*	*	*	*	50
Mesa County Health Department	16.9	14.32	19.47	9.7	7.64	11.70	26.6	23.53	29.60	817
Montezuma County Public Health Department	11.1	6.85	15.27	6.9	3.51	10.31	18.0	12.82	23.12	217
Montrose County Nursing Service	18.4	14.85	21.99	5.7	3.57	7.84	24.1	20.18	28.06	456
North Park Medical Center	*	*	*	*	*	*	*	*	*	5
Northeast Colorado Health Department	19.0	16.37	21.60	10.4	8.33	12.39	29.3	26.31	32.38	869
Northwest Colorado Visiting Nurse Association	11.8	7.14	16.51	4.8	1.73	7.95	16.7	11.26	22.07	186
Otero County Health Department	18.1	14.19	21.94	7.6	4.92	10.26	25.7	21.26	30.05	382
Ouray County Public Health	*	*	*	*	*	*	*	*	*	9
Park County Public Health	*	*	*	*	*	*	*	*	*	58
Prowers County Public Health	13.6	8.71	18.52	11.0	6.52	15.47	24.6	18.44	30.77	191
Pueblo City-County Health Department	17.4	15.69	19.20	9.9	8.51	11.27	27.3	25.27	29.39	1800
Rio Blanco County Department of Public Health and Environment	*	*	*	*	*	*	*	*	*	31
San Juan Basin Health Department	11.4	7.98	14.84	7.2	4.42	10.00	18.6	14.42	22.82	333
San Miguel County Department of Health and Environment	*	*	*	*	*	*	*	*	*	34
Summit County Public Health	10.7	5.33	16.05	8.4	3.58	13.21	19.1	12.27	25.90	131
Sunrise Community Health, Inc.	15.6	13.69	17.57	10.8	9.16	12.47	26.4	24.09	28.80	1350
Teller County Public Health	8.0	2.59	13.41	3.0	-0.40	6.40	11.0	4.76	17.24	100
Tri-County Health Department	13.4	12.73	14.10	8.7	8.13	9.27	22.1	21.28	22.95	9496
Upper Arkansas Area Council of Governments	14.2	11.15	17.25	5.3	3.36	7.29	19.5	16.06	22.99	507
Valley-Wide Health Systems, Inc.	15.6	12.76	18.42	10.9	8.44	13.29	26.5	23.02	29.90	635
Colorado	14.5	14.13	14.88	8.4	8.06	8.65	22.9	22.41	23.30	33615

*Percentages are not calculated if <100 records are available for analysis after exclusions.

^ABased on 2000 CDC growth chart percentiles for BMI-for-age for children 2 years of age and older.

CI: Confidence Interval (95%)

Data Source: 2012 WIC Participant and Program Characteristics (WIC PC) file

Prepared by Epidemiology, Planning, and Evaluation Branch, Prevention Services Division, Colorado Department of Public Health and Environment, October 2013

Table 3. Prevalence of overweight and obesity among children ages 2 through 4 years enrolled in the Women, Infants, and Children (WIC) program by WIC clinic, Colorado, 2012

Clinic	Overweight 85th-<95th percentile^			Obese >=95th percentile^			Overweight or Obese >=85th percentile^			N
	%	Lower CI	Upper CI	%	Lower CI	Upper CI	%	Lower CI	Upper CI	
Akron WIC Clinic	*	*	*	*	*	*	*	*	*	23
Alamosa WIC Clinic	17.0	13.26	20.77	11.1	7.95	14.22	28.1	23.60	32.58	388
Alton/Colfax WIC Clinic	7.9	6.48	9.22	5.9	4.71	7.10	13.8	12.01	15.51	1490
Arvada WIC Clinic	18.6	15.59	21.62	7.9	5.82	10.00	26.5	23.10	29.93	645
Aspen WIC Clinic	*	*	*	*	*	*	*	*	*	15
Aurora WIC Clinic	15.5	13.48	17.49	10.2	8.54	11.89	25.7	23.28	28.12	1253
Avon WIC Clinic	14.3	8.09	20.48	4.8	0.99	8.53	19.0	12.10	26.00	126
Avondale WIC Clinic	*	*	*	*	*	*	*	*	*	21
Baca WIC Clinic	*	*	*	*	*	*	*	*	*	32
Bailey WIC Clinic	*	*	*	*	*	*	*	*	*	27
Bennett WIC Clinic	*	*	*	*	*	*	*	*	*	53
Bent County WIC Clinic	*	*	*	*	*	*	*	*	*	44
Boulder WIC Clinic	14.8	11.05	18.60	7.0	4.27	9.68	21.8	17.42	26.19	344
Brighton WIC Clinic	14.6	11.27	17.97	9.5	6.73	12.29	24.1	20.07	28.19	431
Broomfield WIC Clinic	14.0	8.65	19.39	9.8	5.17	14.35	23.8	17.20	30.37	164
Buena Vista WIC Clinic	*	*	*	*	*	*	*	*	*	33
Burlington WIC Clinic	11.4	6.09	16.76	7.9	3.34	12.37	19.3	12.67	25.90	140
Canon City WIC Clinic	18.5	14.13	22.95	5.0	2.50	7.43	23.5	18.70	28.32	302
Castle Rock WIC Clinic	15.7	11.29	20.05	8.2	4.90	11.52	23.9	18.74	29.02	268
Center WIC Clinic	12.6	6.34	18.89	11.7	5.64	17.79	24.3	16.22	32.43	111
Commerce City WIC Clinic	11.5	9.31	13.75	8.9	6.92	10.88	20.4	17.62	23.23	798
Conifer WIC Clinic	*	*	*	*	*	*	*	*	*	12
Cortez WIC Clinic	11.1	6.85	15.27	6.9	3.51	10.31	18.0	12.82	23.12	217
Craig WIC Clinic	14.3	7.91	20.66	6.7	2.16	11.29	21.0	13.58	28.43	119
Crested Butte/Lake City WIC Clinic	*	*	*	*	*	*	*	*	*	5
Cripple Creek WIC Clinic	*	*	*	*	*	*	*	*	*	38
Delta WIC Clinic	11.8	6.65	17.04	4.6	1.24	7.98	16.4	10.49	22.41	152
Divide WIC Clinic	*	*	*	*	*	*	*	*	*	62
Dove Creek WIC Clinic	*	*	*	*	*	*	*	*	*	8
Durango WIC Clinic	10.9	6.59	15.30	8.5	4.58	12.34	19.4	13.89	24.92	201
Eads WIC Clinic	*	*	*	*	*	*	*	*	*	4
Eagle WIC Clinic	*	*	*	*	*	*	*	*	*	90
Eastside Neighborhood Health Center	13.1	11.38	14.76	7.5	6.16	8.79	20.5	18.52	22.57	1538
Edgewater WIC Clinic	12.2	9.17	15.32	12.5	9.38	15.57	24.7	20.67	28.76	441
El Jebel WIC Clinic	*	*	*	*	*	*	*	*	*	86
El Paso WIC Clinic	12.0	10.28	13.64	6.3	5.01	7.51	18.2	16.22	20.22	1438
Elizabeth WIC Clinic	*	*	*	*	*	*	*	*	*	18
Englewood WIC Clinic	12.9	10.03	15.83	8.5	6.09	10.90	21.4	17.88	24.97	518
Estes Park WIC Clinic	*	*	*	*	*	*	*	*	*	53
Evans WIC Clinic	15.1	12.78	17.47	10.2	8.25	12.22	25.4	22.51	28.21	899
Fairplay WIC Clinic	*	*	*	*	*	*	*	*	*	19
Firestone WIC Clinic	20.0	15.01	24.99	6.8	3.66	9.94	26.8	21.27	32.33	250
Florence WIC Clinic	*	*	*	*	*	*	*	*	*	17
Fort Collins WIC Clinic	15.5	12.91	18.01	6.6	4.82	8.32	22.0	19.11	24.96	776
Fort Morgan WIC Clinic	20.6	16.73	24.38	9.7	6.90	12.50	30.3	25.91	34.60	433
Fountain Valley WIC Clinic	15.0	12.64	17.28	3.2	2.05	4.33	18.2	15.64	20.66	909
Gilpin WIC Clinic	*	*	*	*	*	*	*	*	*	5

Clinic	Overweight 85th-<95th percentile^			Obese >=95th percentile^			Overweight or Obese >=85th percentile^			N
	%	Lower CI	Upper CI	%	Lower CI	Upper CI	%	Lower CI	Upper CI	
Glenwood Springs WIC Clinic	13.1	8.70	17.50	5.2	2.33	8.15	18.3	13.29	23.39	229
Grand Junction WIC Clinic	16.9	14.32	19.47	9.7	7.64	11.70	26.6	23.53	29.60	817
Greeley WIC Clinic	12.4	7.84	17.04	18.4	13.00	23.81	30.8	24.41	37.29	201
Gunnison WIC Clinic	*	*	*	*	*	*	*	*	*	71
Holyoke WIC Clinic	*	*	*	*	*	*	*	*	*	60
Hot Sulphur Springs WIC Clinic	*	*	*	*	*	*	*	*	*	55
Hotchkiss WIC Clinic	*	*	*	*	*	*	*	*	*	17
Hugo WIC Clinic	*	*	*	*	*	*	*	*	*	39
Idaho Springs WIC Clinic	*	*	*	*	*	*	*	*	*	30
Ignacio WIC Clinic	*	*	*	*	*	*	*	*	*	42
Iliff WIC Clinic	13.4	11.86	14.98	7.7	6.52	8.97	21.2	19.30	23.04	1833
Jackson County WIC Clinic	*	*	*	*	*	*	*	*	*	5
Julesburg WIC Clinic	*	*	*	*	*	*	*	*	*	17
La Junta WIC Clinic	16.0	10.67	21.24	5.9	2.47	9.24	21.8	15.85	27.77	188
Lafayette WIC Clinic	13.6	9.02	18.13	9.5	5.61	13.40	23.1	17.48	28.68	221
Lake Plaza WIC Clinic	14.0	11.69	16.22	6.5	4.92	8.15	20.5	17.85	23.12	903
Lakewood WIC Clinic	12.6	10.50	14.73	6.9	5.32	8.56	19.6	17.03	22.08	951
Lamar WIC Clinic	13.6	8.71	18.52	11.0	6.52	15.47	24.6	18.44	30.77	191
Leadville WIC Clinic	*	*	*	*	*	*	*	*	*	65
Limon WIC Clinic	*	*	*	*	*	*	*	*	*	11
Lone Tree WIC Clinic	8.6	4.85	12.27	5.9	2.74	8.97	14.4	9.76	19.07	222
Longmont WIC Clinic	17.5	14.86	20.05	12.1	9.89	14.35	29.6	26.46	32.70	825
Loveland WIC Clinic	15.5	12.15	18.79	8.9	6.31	11.55	24.4	20.46	28.34	459
Manzanola-Fowler WIC Clinic	*	*	*	*	*	*	*	*	*	23
Meeker WIC Clinic	*	*	*	*	*	*	*	*	*	12
Montbello WIC Clinic	18.3	15.83	20.81	11.7	9.67	13.82	30.1	27.11	33.02	928
Monte Vista WIC Clinic	14.0	8.07	19.87	9.6	4.55	14.56	23.5	16.31	30.75	136
Montrose WIC Clinic	18.2	14.25	22.17	5.7	3.33	8.09	23.9	19.53	28.29	368
North Broadway WIC Clinic	16.2	13.96	18.47	10.9	8.97	12.78	27.1	24.37	29.81	1030
North WIC Clinic	13.2	11.51	14.87	4.2	3.23	5.22	17.4	15.53	19.30	1562
Northglenn WIC Clinic	15.7	13.88	17.47	10.2	8.69	11.67	25.9	23.69	28.01	1582
Norwood WIC Clinic	*	*	*	*	*	*	*	*	*	7
Nucla WIC Clinic	*	*	*	*	*	*	*	*	*	18
Olathe WIC Clinic	*	*	*	*	*	*	*	*	*	70
Ordway WIC Clinic	*	*	*	*	*	*	*	*	*	26
Ouray WIC Clinic	*	*	*	*	*	*	*	*	*	9
Pagosa Springs WIC Clinic	*	*	*	*	*	*	*	*	*	90
Pueblo WIC Clinic	17.2	15.32	19.00	9.8	8.34	11.24	27.0	24.78	29.12	1614
Pueblo West WIC Clinic	18.8	12.77	24.81	12.1	7.09	17.15	30.9	23.78	38.03	165
Rangely WIC Clinic	*	*	*	*	*	*	*	*	*	19
Rifle WIC Clinic	6.2	2.75	9.56	8.7	4.72	12.71	14.9	9.83	19.91	195
Rocky Ford WIC Clinic	20.7	14.02	27.36	7.6	3.22	11.95	28.3	20.86	35.69	145
Salida WIC Clinic	*	*	*	*	*	*	*	*	*	76
Steamboat Springs WIC Clinic	*	*	*	*	*	*	*	*	*	67
Sterling WIC Clinic	14.4	9.21	19.52	9.9	5.54	14.35	24.3	18.00	30.62	181
Summit County WIC Clinic	10.7	5.33	16.05	8.4	3.58	13.21	19.1	12.27	25.90	131
Telluride WIC Clinic	*	*	*	*	*	*	*	*	*	27
Trinidad WIC Clinic	15.7	8.51	22.86	12.7	6.16	19.33	28.4	19.53	37.34	102
Walsenburg WIC Clinic	*	*	*	*	*	*	*	*	*	52

Clinic	Overweight 85th-<95th percentile^			Obese >=95th percentile^			Overweight or Obese >=85th percentile^			N
	%	Lower CI	Upper CI	%	Lower CI	Upper CI	%	Lower CI	Upper CI	
Westcliffe WIC Clinic	*	*	*	*	*	*	*	*	*	14
Westside Family Health Center	15.4	13.90	16.83	9.8	8.61	11.02	25.2	23.42	26.94	2343
Yuma WIC Clinic	24.5	17.67	31.36	9.7	4.97	14.38	34.2	26.64	41.74	155
Colorado	14.5	14.13	14.88	8.4	8.06	8.65	22.9	22.41	23.30	33615

*Percentages are not calculated if <100 records are available for analysis after exclusions.

^Based on 2000 CDC growth chart percentiles for BMI-for-age for children 2 years of age and older.

CI: Confidence Interval (95%)

Data Source: 2012 WIC Participant and Program Characteristics (WIC PC) file

Prepared by Epidemiology, Planning, and Evaluation Branch, Prevention Services Division, Colorado Department of Public Health and Environment, October 2013

Table 4. Prevalence of overweight and obesity among children ages 2 through 4 years enrolled in the Women, Infants, and Children (WIC) program by county of WIC clinic, Colorado, 2012

County of WIC Clinic	Overweight 85th-<95th percentile^			Obese >=95th percentile^			Overweight or Obese >=85th percentile^			N
	%	Lower CI	Upper CI	%	Lower CI	Upper CI	%	Lower CI	Upper CI	
Adams	14.8	13.72	15.96	10.0	9.07	10.97	24.9	23.50	26.23	3841
Alamosa	16.2	13.05	19.39	10.7	8.03	13.34	26.9	23.10	30.72	524
Arapahoe	12.4	11.50	13.30	7.9	7.13	8.60	20.3	19.17	21.36	5147
Archuleta	*	*	*	*	*	*	*	*	*	90
Baca	*	*	*	*	*	*	*	*	*	32
Bent	*	*	*	*	*	*	*	*	*	44
Boulder	16.2	14.25	18.13	10.4	8.82	12.04	26.6	24.29	28.94	1390
Broomfield	14.0	8.65	19.39	9.8	5.17	14.35	23.8	17.20	30.37	164
Chaffee	7.3	2.37	12.31	2.8	-0.37	5.87	10.1	4.35	15.84	109
Clear Creek	*	*	*	*	*	*	*	*	*	30
Crowley	*	*	*	*	*	*	*	*	*	26
Custer	*	*	*	*	*	*	*	*	*	14
Delta	13.0	7.89	18.14	4.7	1.50	7.97	17.8	11.93	23.57	169
Denver	15.2	14.19	16.22	9.4	8.61	10.27	24.6	23.42	25.86	4809
Dolores	*	*	*	*	*	*	*	*	*	8
Douglas	12.4	9.52	15.38	7.1	4.85	9.43	19.6	16.07	23.12	490
Eagle	15.9	11.75	20.04	7.0	4.07	9.84	22.8	18.09	27.61	302
El Paso	13.3	12.34	14.26	5.1	4.45	5.69	18.4	17.28	19.47	4812
Elbert	*	*	*	*	*	*	*	*	*	18
Fremont	17.9	13.64	22.09	5.6	3.10	8.19	23.5	18.83	28.19	319
Garfield	9.9	7.05	12.76	6.8	4.43	9.25	16.7	13.18	20.31	424
Gilpin	*	*	*	*	*	*	*	*	*	5
Grand	*	*	*	*	*	*	*	*	*	55
Gunnison	*	*	*	*	*	*	*	*	*	76
Huerfano	*	*	*	*	*	*	*	*	*	52
Jackson	*	*	*	*	*	*	*	*	*	5
Jefferson	14.4	12.91	15.96	8.4	7.24	9.65	22.9	21.05	24.70	2037
Kiowa	*	*	*	*	*	*	*	*	*	4
Kit Carson	11.4	6.09	16.76	7.9	3.34	12.37	19.3	12.67	25.90	140
La Plata	10.3	6.44	14.13	8.6	5.08	12.20	18.9	13.97	23.89	243
Lake	*	*	*	*	*	*	*	*	*	65
Larimer	15.2	13.25	17.18	7.5	6.09	8.97	22.7	20.46	25.04	1288
Las Animas	15.7	8.51	22.86	12.7	6.16	19.33	28.4	19.53	37.34	102
Lincoln	*	*	*	*	*	*	*	*	*	50
Logan	14.4	9.21	19.52	9.9	5.54	14.35	24.3	18.00	30.62	181
Mesa	16.9	14.32	19.47	9.7	7.64	11.70	26.6	23.53	29.60	817
Moffat	14.3	7.91	20.66	6.7	2.16	11.29	21.0	13.58	28.43	119
Montezuma	11.1	6.85	15.27	6.9	3.51	10.31	18.0	12.82	23.12	217
Montrose	18.4	14.85	21.99	5.7	3.57	7.84	24.1	20.18	28.06	456
Morgan	20.6	16.73	24.38	9.7	6.90	12.50	30.3	25.91	34.60	433
Otero	18.3	14.23	22.29	7.3	4.59	10.02	25.6	21.01	30.11	356
Ouray	*	*	*	*	*	*	*	*	*	9
Park	*	*	*	*	*	*	*	*	*	58
Phillips	*	*	*	*	*	*	*	*	*	60
Pitkin	*	*	*	*	*	*	*	*	*	15
Prowers	13.6	8.71	18.52	11.0	6.52	15.47	24.6	18.44	30.77	191
Pueblo	17.4	15.69	19.20	9.9	8.51	11.27	27.3	25.27	29.39	1800

County of WIC Clinic	Overweight 85th-<95th percentile^			Obese >=95th percentile^			Overweight or Obese >=85th percentile^			N
	%	Lower CI	Upper CI	%	Lower CI	Upper CI	%	Lower CI	Upper CI	
Rio Blanco	*	*	*	*	*	*	*	*	*	31
Routt	*	*	*	*	*	*	*	*	*	67
Saguache	12.6	6.34	18.89	11.7	5.64	17.79	24.3	16.22	32.43	111
San Miguel	*	*	*	*	*	*	*	*	*	34
Sedgwick	*	*	*	*	*	*	*	*	*	17
Summit	10.7	5.33	16.05	8.4	3.58	13.21	19.1	12.27	25.90	131
Teller	8.0	2.59	13.41	3.0	-0.40	6.40	11.0	4.76	17.24	100
Washington	*	*	*	*	*	*	*	*	*	23
Weld	15.6	13.69	17.57	10.8	9.16	12.47	26.4	24.09	28.80	1350
Yuma	24.5	17.67	31.36	9.7	4.97	14.38	34.2	26.64	41.74	155
Colorado	14.5	14.13	14.88	8.4	8.06	8.65	22.9	22.41	23.30	33615

*Percentages are not calculated if <100 records are available for analysis after exclusions.

^Based on 2000 CDC growth chart percentiles for BMI-for-age for children 2 years of age and older.

CI: Confidence Interval (95%)

Data Source: 2012 WIC Participant and Program Characteristics (WIC PC) file

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