# **CHAPTER 4: OBESITY AND OVERWEIGHT**

## Obesity: Defined as a Body Mass Index (BMI) of 30.0 or higher.<sup>5</sup>

## Overweight: Defined as a Body Mass Index (BMI) between 25.0 and 29.9.

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State Prevalence	<i>Obesity:</i> 27.7% (95% CI: 25.9-29.5); 3 <sup>rd</sup> highest among 54 BRFSS participants. National prevalence: 22.8% (95% CI: 22.5-23.1).
	<i>Overweight:</i> <b>34.0%</b> (95% CI: 32.1-35.8); 51 <sup>st</sup> among 54 BRFSS participants. National prevalence: 36.6% (95% CI: 36.2-37.0).
Time Trends	Generally, the prevalence of obesity has shown a consistent upward trend since 1987. The prevalence of overweight has remained fairly stable during this period; 2003 marks the second consecutive year of decline in the rate of overweight.
Gender	<i>Obesity:</i> Men 30.5% (95% CI: 27.6-33.3); Women 25.0% (95% CI: 22.9-27.2).
	<i>Overweight:</i> Men 39.0% (95% CI: 36.0-41.9); Women 29.2% (95% CI: 26.9-31.4).
	Men had a significantly higher rate of both obesity and overweight than women.
Age	Obesity was most prevalent among adults aged 35 to 44, whereas overweight was most prevalent among those aged 55 to 64. Adults aged 35 to 44 were significantly more likely to be obese than the youngest and oldest adults. Men aged 25 to 34 and 55 to 64 were significantly more likely to be overweight than their female counterparts.
Education	Obesity declined significantly as educational attainment increased, especially among women. Among men, the prevalence of overweight significantly increased with education. Men with a college degree were significantly more likely to be overweight than female college graduates (47.1% versus 27.6%).
Household Income	Obesity was highest among adults in the middle income categories, whereas overweight was most prevalent among the wealthiest adults. Women with incomes of \$75,000 or more were significantly less likely to be obese than all other women and all men. In addition, women with an income between \$50,000 and \$74,999 had a significantly lower rate of overweight than their male counterparts.
Quick Stats	• 61.7% of adults were overweight or obese (8 <sup>th</sup> highest among 54 BRFSS participants).
West Virginia Health	y People 2010 Objectives
Objective 19.1a	Reduce to 37% the proportion of people who are obese as defined by the Metropolitan Life Insurance tables as being at least 20% over ideal body weight. (Baseline: 43.0% in 1998)
Objective 19.1b	Reduce to 20% the proportion of people who are obese as defined by having a body mass index of 30 or greater. (Baseline: 23.9% in 1998; Current: 27.7% in 2003)

<sup>&</sup>lt;sup>5</sup> Body Mass Index equals body weight in kilograms divided by the height in meters squared ( $BMI=kg/m^2$ ).

Characteristic	Men			Women			Total		
	# Resp.	%	95% CI	# Resp.	%	95% CI	# Resp.	%	95% CI
TOTAL	1,311	30.5	(27.6-33.3)	1,925	25.0	(22.9-27.2)	3,236	27.7	(25.9-29.5)
Age									
18-24	89	23.7	(12.8-34.6)	108	16.4	(8.9-23.8)	197	20.2	(13.4-27.0)
25-34	185	27.3	(20.5-34.1)	255	25.0	(19.2-30.8)	440	26.2	(21.7-30.7)
35-44	234	40.3	(33.5-47.1)	309	29.5	(23.9-35.1)	543	34.9	(30.4-39.3)
45-54	283	35.1	(29.1-41.2)	368	28.4	(23.5-33.4)	651	31.9	(27.9-35.8)
55-64	249	30.7	(24.5-36.8)	373	32.4	(27.2-37.6)	622	31.5	(27.5-35.5)
65+	270	22.5	(17.3-27.7)	506	19.0	(15.5-22.6)	776	20.5	(17.5-23.5)
Education									
Less than H.S.	239	32.6	(25.1-40.2)	371	31.7	(26.5-37.0)	610	32.2	(27.6-36.8)
H.S. or G.E.D.	525	31.3	(26.9-35.6)	752	27.2	(23.6-30.9)	1,277	29.2	(26.4-32.0)
Some Post-H.S.	265	30.4	(24.4-36.5)	449	21.7	(17.6-25.9)	714	25.7	(22.1-29.2)
College Graduate	279	27.2	(21.2-33.1)	352	17.5	(13.3-21.7)	631	22.6	(18.8-26.3)
Income									
Less than \$15,000	168	25.1	(17.6-32.7)	341	27.4	(22.1-32.6)	509	26.4	(22.0-30.8)
\$15,000- 24,999	261	28.8	(22.8-34.8)	442	26.1	(21.6-30.5)	703	27.3	(23.6-30.9)
\$25,000- 34,999	193	29.0	(22.0-36.0)	252	32.0	(25.7-38.3)	445	30.6	(25.9-35.3)
\$35,000- 49,999	211	36.6	(29.4-43.7)	259	23.6	(17.8-29.4)	470	30.6	(25.8-35.3)
\$50,000- 74,999	167	28.3	(21.2-35.4)	217	27.5	(21.0-34.1)	384	27.9	(23.1-32.8)
\$75,000+	182	32.6	(25.0-40.2)	140	9.1	(4.4-13.8)	322	24.4	(19.1-29.8)

## Table 4.1: Prevalence of obesity: WVBRFSS, 2003

### Table 4.2: Prevalence of overweight: WVBRFSS, 2003

Characteristic	Men			Women			Total		
	# Resp.	%	95% CI	# Resp.	%	95% CI	# Resp.	%	95% CI
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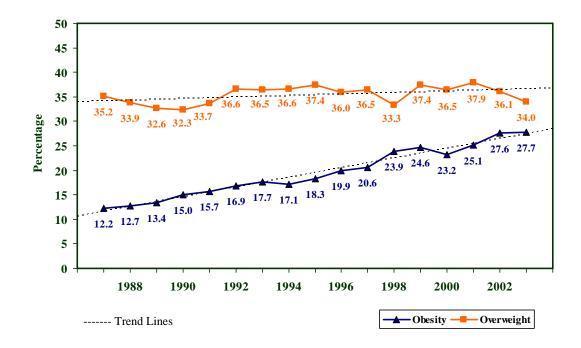


Figure 4.1: Prevalence of obesity and overweight by year: WVBRFSS, 1987-2003

