

Appendix A **Behavioral Risk Factor Prevalences by Year** **West Virginia Behavioral Risk Factor Surveys** **1997-2005**

Behavioral Risk Factor	1997 (52 Partic.)		1998 (52 Partic.)		1999 (52 Partic.)		2000 (52 Partic.)		2001 (54 Partic.)		2002 (54 Partic.)		2003 (54 Partic.)		2004 (52 Partic.)		2005 (53 Partic.)	
	%	Rank	%	Rank	%	Rank	%	Rank	%	Rank	%	Rank	%	Rank	%	Rank	%	Rank
Hypertension ^a	28.3	3	--	--	31.0	3	--	--	32.5	1	33.1	1	33.6	1	--	--	31.4	2
Obesity ^b	20.6	4	23.9	1	24.6	1	23.2	5	25.1	2	27.6	1	27.7	3	27.6	3	30.6	3
Physical Inactivity	--	--	43.7	3	--	--	33.6	6	31.7	7	28.4	10	28.0	11	24.5	18	28.5	11
Current Smoking	27.4	5	27.9	3	27.1	6	26.1	6	28.2	4	28.4	4	27.3	3	26.9	2	26.7	4
Smokeless Tobacco ^c	8.7	1	8.4	1	8.6	1	8.8	1	8.2	1	8.4	2	7.7	1	8.1	2	--	--
Heavy Drinking ^d	2.2	48	--	--	3.0	46	--	--	3.0	52	4.5	45	3.1	49	2.9	50	3.1	49
Binge Drinking	8.4	49	--	--	8.5	50	--	--	9.4	52	11.4	49	11.1	49	9.7	48	9.1	51
Seatbelt Nonuse ^e	29.3	30	29.8	4	29.7	--	--	--	--	--	25.6	18	--	--	--	--	--	--

Source: Centers for Disease Control & Prevention - 1997-2005 Behavioral Risk Factor Data; West Virginia Health Statistics Center, 2006.

-- Prevalence / rank not available

^a Hypertension: Asked in 13 states/territories in 2002.

^b Obesity: Defined as a Body Mass Index of 30.0 or more (BMI=weight in kg/height in meters squared). For the year 1997, publications before 2003 defined obesity as at least 20% more than the ideal weight for height (as calculated from the 1959 Metropolitan Life Insurance height and weight tables).

^c Smokeless Tobacco Use: Asked in 17 states/territories in 1997; 13-1998; 19-1999; 18-2000; 15-2001; 15-2002; 12-2003; 14-2004.

^d Heavy Drinking: 51 states in 1997 and 1999. Defined as consumption of more than two drinks per day for men and more than one drink per day for women. For the years 1997 and 1999, publications before 2003 defined heavy drinking as consumption of 60 or more drinks during the past month regardless of gender.

^e Seatbelt Nonuse: Defined as using a seatbelt almost always, sometimes, seldom, or never; 8 states/territories in 1998.

NOTE: Figures in Appendix A may not agree with 2002 and earlier year BRFSS reports of 1997 and 1998 data. Rates have been re-calculated to exclude unknown responses.

Appendix B

Behavioral Risk Factor Prevalences in 50 States, District of Columbia, and Territories^a United States, 1997

State	No Health Insurance, Ages 18-64		Diabetes Awareness		Hypertension Awareness		Obesity ^b		Current Smoking		Smokeless Tobacco Use		Binge Drinking		Heavy Drinking ^c		Drinking & Driving		Seatbelt Nonuse	
	%	Rnk	%	Rnk	%	Rnk	%	Rnk	%	Rnk	%	Rnk	%	Rnk	%	Rnk	%	Rnk	%	Rnk
Alabama	17.3	16	7.0	2	28.9	2	18.2	15	24.6	14	5.4	5	11.4	37	4.0	19	1.5	36	33.7	21
Alaska	22.8	4	3.3	48	22.6	31	19.7	5	26.5	8	5.6	4	16.5	10	3.2	37	2.2	23	34.1	20
Arizona	17.9	13	3.1	49	16.3	52	12.4	51	21.1	42	1.4	17	8.8	46	3.7	26	1.4	39	19.5	45
Arkansas	21.6	9	5.1	17	26.3	8	18.1	16	28.4	3			9.2	43	2.8	43	1.6	33	34.3	19
California	22.7	5	5.6	12	21.2	42	16.0	32	18.4	50			15.2	19			2.5	18	12.7	52
Colorado	14.0	28	3.9	43	20.4	49	11.8	52	22.5	33			15.3	18	3.3	33	2.5	18	28.5	31
Connecticut	10.8	49	5.1	17	20.6	47	14.7	42	21.6	40			15.5	16	3.8	21	2.1	24	30.7	26
Delaware	13.0	35	6.4	4	25.5	10	18.8	12	26.6	7			11.9	36	3.6	29	2.0	25	30.1	28
D.C.	13.2	33	4.6	33	19.4	51	14.5	45	18.8	48			12.1	35	4.7	11	2.5	18	21.9	44
Florida	22.6	6	5.7	11	26.0	9	16.1	31	23.6	23			13.1	32	5.7	5	1.9	26	23.8	42
Georgia	13.7	31	4.1	38	21.4	40	14.4	46	22.4	35	4.0	8	9.4	41	2.8	43	1.0	43	24.6	39
Hawaii	7.4	52	5.0	20	23.9	18	13.6	50	18.7	49			17.1	9	5.8	4	2.4	21	12.8	51
Idaho	20.1	11	4.0	41	24.1	16	16.3	29	19.9	47			14.9	22	3.8	21	1.3	40	40.4	10
Illinois	13.5	32	7.0	2	24.3	15	17.1	21	23.2	26			16.3	11	4.4	15	2.8	14	31.8	25
Indiana	14.6	25	5.2	15	25.2	12	21.2	3	26.4	9	3.3	12	12.6	34	3.6	29	1.9	26	38.1	13
Iowa	12.0	41	4.6	33	23.4	21	19.4	7	23.1	28			17.9	6	4.4	15	3.8	3	32.8	23
Kansas	11.5	45	3.0	51	20.9	44	14.7	42	22.6	32	5.0	7	13.3	31	3.4	32	2.7	15	46.1	4
Kentucky	16.8	19	5.3	14	27.1	6	21.8	2	30.7	1	6.2	3	9.4	41	2.4	47	0.6	52	34.5	18
Louisiana	24.4	3	5.5	13	25.1	13	19.6	6	24.5	16	3.7	11	15.2	19	5.1	9	3.2	9	25.6	37
Maine	14.3	27	4.9	22	22.8	28	16.2	30	22.7	31			13.8	30	3.7	26	0.9	46	30.4	27
Maryland	11.7	44	5.9	7	23.8	19	17.5	19	20.4	46			6.3	52	2.2	48	0.9	46	23.8	42
Massachusetts	11.0	48	4.7	28	19.8	50	14.8	41	20.5	44			17.9	6	6.0	3	1.8	29	37.0	15
Michigan	11.8	42	5.8	10	23.3	22	19.3	9	26.0	10			18.9	4	5.1	9	3.5	8	27.7	33
Minnesota	9.6	50	3.9	43	21.2	42	16.5	27	21.8	39			15.6	15	3.8	21	3.8	3	40.2	11
Mississippi	18.3	12	6.1	6	34.4	1	22.0	1	23.1	28			9.5	40	3.0	40	1.2	41	43.4	5
Missouri	15.0	24	4.8	26	27.3	5	19.1	10	28.6	2			15.0	21	3.1	39	3.0	12	38.1	13
Montana	17.9	13	3.1	49	22.9	27	14.6	44	20.5	44	5.3	6	14.0	29	2.6	45	2.6	16	42.4	7
Nebraska	9.5	51	4.2	36	22.4	35	17.0	22	22.1	37			16.3	11	3.3	33	3.8	3	42.2	8
Nevada	16.7	20	4.0	41	24.1	16	14.1	48	28.0	4			19.2	3	6.1	2	3.1	11	26.2	35
New Hampshire	12.3	40	3.9	43	22.6	31	14.2	47	24.7	13			16.1	13	3.8	21	1.9	26	41.6	9
New Jersey	14.0	28	5.2	15	23.6	20	16.0	32	21.4	41			13.1	32	2.9	41	1.5	36	27.6	34
New Mexico	25.7	2	4.9	22	21.3	41	14.9	40	22.1	37			14.6	24	4.7	11	1.7	30	16.5	48
New York	16.9	18	4.8	26	22.7	30	16.0	32	23.1	28			9.2	43	3.5	31	0.8	46	25.5	38
North Carolina	17.2	17	5.0	20	23.3	22	18.3	14	25.8	11			9.0	45	3.3	33	1.1	42	15.2	50
North Dakota	14.4	26	3.5	47	25.5	10	17.0	22	22.3	36			18.4	5	3.2	37	3.7	3	59.6	1
Ohio	12.7	39	4.7	28	22.0	37	17.7	17	25.1	12	2.4	16	8.7	48	2.6	45	1.0	43	30.0	29
Oklahoma	20.9	10	5.9	7	21.7	38	15.1	38	24.6	14	3.8	9	8.8	46	2.9	41	1.5	36	36.9	16
Oregon	15.2	23	4.7	28	22.8	28	19.4	7	20.7	43			14.3	28	4.6	13	1.6	33	16.0	49
Pennsylvania	11.5	45	5.1	17	21.7	38	17.5	19	24.2	20	3.8	9	14.6	24	3.7	26	1.7	30	32.5	24
Puerto Rico	11.8	42	10.5	1	20.9	44	19.0	11	14.4	51			10.9	38	4.0	19	3.2	9	24.5	40
Rhode Island	13.1	34	4.9	22	22.5	33	13.8	49	24.3	18			14.9	22	5.4	8	1.6	33	43.1	6
South Carolina	17.6	15	4.9	22	26.8	7	16.9	25	23.4	24	2.8	14	9.7	39	3.8	21	0.9	46	19.5	45
South Dakota	16.4	21	3.8	46	20.6	47	17.0	22	24.3	18			20.9	2	4.3	18	3.7	6	57.9	2
Tennessee	13.9	30	4.4	35	27.8	4	17.7	17	26.9	6			7.2	51	2.0	50	1.0	43	33.5	22
Texas	28.2	1	5.9	7	23.1	25	18.7	13	22.5	33			17.4	8	5.5	6	4.0	2	18.6	47
Utah	12.8	37	4.1	38	22.5	33	15.2	36	13.8	52			7.7	50	1.9	51	0.8	50	35.0	17
Vermont	16.5	21	4.7	28	20.9	44	15.9	35	23.3	25			16.1	13	5.5	6	3.0	12	26.2	35
Virginia	12.8	37	4.2	36	24.5	14	16.4	28	24.4	17	3.0	13	14.5	26	4.4	15	2.4	21	28.3	32
Washington	13.0	35	4.1	38	23.2	24	15.2	36	23.8	22	2.8	14	14.5	26	4.5	14	1.7	30	24.1	41
West Virginia	22.4	7	6.3	5	28.3	3	20.6	4	27.4	5	8.7	1	8.4	49	2.2	48	0.8	50	29.3	30
Wisconsin	11.2	46	4.7	27	23.1	25	16.6	26	23.2	26			23.3	1	6.2	1	5.2	1	38.7	12
Wyoming	22.4	7	3.0	51	22.1	36	15.0	39	24.0	21	7.6	2	15.4	17	3.3	33	2.6	16	49.8	3
US Total	16.9		5.2		23.2		16.9		22.9		N/A		13.4		4.0		2.1		26.7	

Source: Centers for Disease Control & Prevention - 1997 Behavioral Risk Factor Data; West Virginia Health Statistics Center, 2005.

NOTE: Figures in Appendix B may not agree with 1997 data in 2002 and earlier year BRFSS reports. Rates have been re-calculated to exclude unknown responses.

a. 52 states/territories conducted the survey. States/territories with the same prevalence share the same rank.

b. Obesity has been redefined to match the current definition: a BMI of 30 or higher.

c. Heavy drinking has been redefined to match the 2001 definition: more than two drinks per day for men and more than one drink per day for women.

Appendix C

Behavioral Risk Factor Prevalences in 50 States, District of Columbia, and Territories^a United States, 1998

State	Fair or Poor Health		No Health Insurance, Ages 18-64		Diabetes Awareness		Obesity ^b		No Leisure Exercise		Less Than 5 Per Day Fruits/Veg		Current Smoking		Smokeless Tobacco Use		No Flu Shot Past 12 Mo., Ages 65+		Never had Pneumovax, Ages 65+	
	%	Rnk	%	Rnk	%	Rnk	%	Rnk	%	Rnk	%	Rnk	%	Rnk	%	Rnk	%	Rnk	%	Rnk
Alabama	21.3	4	19.5	12	7.0	5	21.3	5	29.7	22	76.1	28	24.6	14						
Alaska	11.0	46	21.8	7	3.0	51	21.4	4	23.5	41	76.8	23	26.1	7	5.4	4				
Arizona	10.3	50	15.8	22	2.8	52	13.1	52	51.3	2	90.9	2	21.8	36						
Arkansas	20.4	6	19.1	14	6.7	7	19.8	15	35.9	8	72.1	45	25.9	11						
California	14.6	18	21.2	9	5.5	24	17.3	33	25.5	34	72.5	43	19.2	48						
Colorado	11.6	43	17.3	17	4.6	34	14.4	49	21.3	45	74.0	36	22.8	27						
Connecticut	11.7	41	10.6	45	4.5	35	15.5	42	27.2	28	72.0	47	20.9	43						
Delaware	12.8	26	9.7	51	4.4	37	17.2	34	35.4	10	73.3	40	24.5	16	1.1	13				
D.C.	12.4	30	13.0	33	7.1	4	20.2	11	38.5	6	82.3	7	21.6	38						
Florida	15.5	13	22.4	5	6.3	10	18.0	30	31.1	18	75.1	30	22.0	34						
Georgia	15.9	12	16.9	19	5.9	16	19.2	21	29.6	23	79.3	14	23.6	21			36.9	4	49.6	8
Hawaii	12.3	32	7.0	52	5.6	21	15.5	42	18.0	50	72.5	43	19.5	47						
Idaho	12.2	35	18.3	16	4.3	42	16.4	36	20.4	47	76.2	26	20.3	45	3.6	7				
Illinois	12.5	28	13.0	33	6.2	12	18.5	25	27.1	29	77.3	21	23.1	25			35.3	6	45.3	11
Indiana	13.3	25	15.9	21	6.0	13	19.9	14	27.1	29	76.5	24	26.0	9	2.6	12	33.7	8	53.2	4
Iowa	11.2	44	10.7	44	5.2	29	19.8	15	26.7	31	81.4	9	23.4	22						
Kansas	12.0	38	13.0	33	4.0	44	17.7	31	38.3	7	76.5	24	21.1	42						
Kentucky	21.9	3	17.3	17	5.6	21	20.4	10	42.6	5	84.3	4	30.8	1						
Louisiana	16.1	10	25.9	2	6.4	8	21.8	3	32.2	17	82.7	6	25.5	12			40.3	1	60.4	1
Maine	12.5	28	15.7	25	3.6	48	17.4	32	27.7	26	73.6	39	22.4	31						
Maryland	13.9	20	15.7	25	5.4	26	20.5	8	20.3	48	69.9	50	22.4	31						
Massachusetts	10.9	47	10.5	46	3.9	45	14.3	50	25.4	36	69.0	51	20.9	43						
Michigan	14.5	19	11.9	41	7.0	5	21.2	6	21.4	44	72.6	42	27.4	4						
Minnesota	10.4	49	9.9	49	4.7	33	16.2	38	25.5	34	68.1	52	18.0	50			36.4	5	53.9	3
Mississippi	21.0	5	22.5	4	7.6	3	22.8	2	33.8	11	84.4	3	24.1	17						
Missouri	15.2	14	15.8	22	5.7	19	20.5	8	27.9	24	80.0	11	26.4	6						
Montana	12.0	38	21.3	8	3.6	48	15.0	47	25.2	37	76.2	26	21.4	39	6.8	3	27.1	13	44.1	12
Nebraska	12.3	32	9.8	50	5.2	29	18.3	26	26.1	32	82.3	7	22.0	34						
Nevada	12.4	30	19.2	13	4.4	37	14.0	51	24.1	40	77.9	19	30.3	2						
New Hampshire	9.9	52	13.7	32	3.9	45	15.6	41	24.8	38	72.1	45	23.3	24						
New Jersey	11.8	40	11.8	42	5.4	26	15.5	42	32.6	16	73.9	37	19.1	49			33.3	9	52.8	5
New Mexico	15.0	17	25.7	3	5.0	31	15.2	45	23.0	43	79.3	14	22.5	30						
New York	13.8	21	16.6	20	6.0	13	16.3	37	31.0	19	74.5	33	24.1	17						
North Carolina	16.6	9	15.2	27	6.4	8	19.4	18	27.7	26	78.6	17	24.6	14						
North Dakota	13.7	22	12.7	38	4.2	43	19.2	21	33.1	14	77.2	22	20.0	46	4.0	5				
Ohio	16.1	10	10.4	47	5.8	18	20.0	13	29.8	21	84.0	5	26.0	7	3.5	8	31.0	10	51.4	6
Oklahoma	12.6	27	22.3	6	7.8	2	19.5	17	42.9	4	79.7	13	23.9	19	3.8	6				
Oregon	13.4	24	15.8	22	5.3	28	18.3	26	18.9	49	75.1	30	21.1	41						
Pennsylvania	15.1	16	12.9	36	5.6	21	19.4	18	32.7	15	75.1	30	23.8	20						
Puerto Rico	32.4	1	12.6	39	9.6	1	19.3	20	57.4	1	91.9	1	15.3	51						
Rhode Island	13.5	23	11.7	43	6.0	13	16.8	35	29.9	20	75.4	29	22.6	29						
South Carolina	15.2	14	18.7	15	5.7	19	20.6	7	33.7	12	78.2	18	24.7	13	3.1	9	37.5	2	49.3	9
South Dakota	11.7	41	15.2	27	3.1	50	15.8	40	33.3	13	80.0	11	27.2	5						
Tennessee	18.2	8	14.8	29	5.9	16	19.2	21	35.8	9	70.3	49	26.1	9			30.4	11	48.9	10
Texas	18.6	7	27.5	1	5.5	24	20.2	11	27.9	24	77.5	20	21.9	36			35.3	6	50.1	7
Utah	10.8	48	13.8	30	4.4	37	15.9	39	17.1	52	73.8	38	14.2	52						
Vermont	10.0	51	12.4	40	4.4	37	14.8	48	26.0	33	70.8	48	22.3	33						
Virginia	12.3	32	13.8	30	4.5	35	18.7	24	24.8	38	73.0	41	22.9	26	3.0	10				
Washington	11.1	45	12.8	37	4.9	32	18.1	29	17.6	51	74.2	35	21.4	39	3.0	10				
West Virginia	23.9	2	20.6	10	6.3	10	23.9	1	43.7	3	81.3	10	27.9	3	8.4	1	37.1	3	54.9	2
Wisconsin	12.1	36	10.0	48	4.4	37	18.3	26	23.4	42	74.3	34	23.4	22						
Wyoming	12.1	36	20.2	11	3.7	47	15.1	46	21.0	46	78.8	16	22.8	27	6.9	2	28.6	12	44.1	12
US Total	14.8		16.8		5.6		18.4		29.1		76.1		22.8		N/A		N/A		N/A	

Source: Centers for Disease Control & Prevention - 1998 Behavioral Risk Factor Data; West Virginia Health Statistics Center, 2005.

NOTE: Figures in Appendix C may not agree with 1998 data in 2002 and earlier year BRFSS reports. Rates have been re-calculated to exclude unknown responses.

a. 52 states/territories conducted the survey. States/territories with the same prevalence share the same rank.

b. Obesity has been redefined to match the current definition: a BMI of 30 or higher.

Appendix D

Behavioral Risk Factor Prevalences in 50 States, District of Columbia, and Territories^a United States, 1999

State	Fair or Poor Health		No Health Insurance, Ages 18-64		Diabetes Awareness		Hypertension Awareness		Obesity (BMI 30+)		Current Smoking		Smokeless Tobacco Use		Binge Drinking		Heavy Drinking ^b		Drinking & Driving	
	%	Rnk	%	Rnk	%	Rnk	%	Rnk	%	Rnk	%	Rnk	%	Rnk	%	Rnk	%	Rnk	%	Rnk
Alabama	18.4	8	18.0	17	7.4	3	31.2	2	22.4	5	23.5	19			11.7	43	4.0	35	1.9	36
Alaska	10.7	47	24.8	4	3.5	52	21.3	46	20.4	20	27.3	4	5.4	5	18.9	8	5.1	18	2.1	32
Arizona	8.4	52	16.7	20	4.3	45	14.2	52	12.3	52	20.1	46	0.8	18	8.8	49	7.7	2	1.8	38
Arkansas	19.7	6	19.8	14	6.6	7	28.4	6	22.7	4	27.2	5			10.3	46	3.3	44	1.5	44
California	15.8	13	22.2	6	6.1	15	23.0	33	18.7	31	18.7	49			15.5	24			2.3	29
Colorado	11.5	43	16.3	21	3.8	51	22.2	39	14.9	49	22.5	27	3.8	10	17.2	17	5.7	11	3.6	10
Connecticut	11.6	41	12.3	41	4.3	45	20.4	51	15.1	48	22.8	26			14.0	31	4.5	27	2.9	17
Delaware	12.4	34	11.3	45	6.0	21	25.5	17	17.5	38	25.5	9			18.9	8	5.5	14	3.2	13
D.C.	13.0	27	15.2	24	6.5	9	24.7	21	18.5	33	20.6	41			13.0	34	4.1	34	1.4	47
Florida	15.3	15	20.4	9	6.9	5	27.8	7	18.6	32	20.6	41			12.9	35	5.1	18	2.0	34
Georgia	15.0	16	15.6	23	5.6	27	26.3	12	21.1	14	23.8	16			12.5	37	3.9	36	1.5	44
Hawaii	14.3	18	10.3	49	5.2	35	22.7	37	15.7	46	18.5	50			14.0	31	5.6	13	2.3	29
Idaho	12.9	28	20.0	12	4.8	41	23.0	33	20.0	23	21.5	37			14.7	29	4.3	31	1.8	38
Illinois	14.7	17	13.6	32	6.4	10	26.7	10	20.9	17	24.2	14			19.7	4	6.1	8	4.4	3
Indiana	12.8	31	15.1	25	6.6	7	25.7	16	19.9	24	27.0	8			19.1	6	7.1	3	3.2	13
Iowa	12.1	37	10.9	48	5.2	35	24.2	24	21.5	11	23.5	19			18.3	10	5.9	9	3.9	7
Kansas	12.9	28	12.5	39	5.4	29	21.4	45	18.9	30	21.0	40			11.7	43	3.7	39	2.8	18
Kentucky	21.6	3	17.3	19	6.4	10	27.5	8	21.7	8	29.7	2			9.8	48	2.8	48	1.6	42
Louisiana	16.9	11	25.8	2	6.1	15	26.0	15	22.3	6	23.5	19	4.1	8	15.0	25	4.8	24	3.6	10
Maine	12.9	28	16.1	22	5.4	29	26.6	11	19.4	28	23.3	22			14.8	28	4.7	25	1.1	51
Maryland	14.2	19	11.1	47	6.8	6	24.5	23	18.2	34	20.3	44			15.9	21	5.1	18	2.4	24
Massachusetts	11.6	41	8.3	51	5.0	38	21.8	44	14.7	50	19.3	48			17.4	12	5.8	10	2.8	18
Michigan	11.5	43	11.4	44	5.4	29	25.2	18	22.8	3	25.1	11			19.0	7	7.0	4	3.1	15
Minnesota	10.0	49	6.8	52	4.8	41	22.0	41	15.5	47	19.5	47			16.3	20	5.4	15	4.1	5
Mississippi	20.9	4	20.3	11	7.9	2	33.5	1	23.2	2	22.9	25	6.1	4	12.1	40	4.3	31	2.7	21
Missouri	15.7	14	13.1	36	6.1	15	24.6	22	21.7	8	27.1	6	3.9	9	16.4	19	5.0	21	3.0	16
Montana	10.9	46	20.9	8	5.9	23	23.2	32	15.8	44	20.2	45	6.2	3	17.6	11	4.9	23	3.4	12
Nebraska	12.4	34	9.8	50	4.3	45	22.0	41	21.0	16	23.2	23	4.5	7	16.6	18	3.9	36	3.7	9
Nevada	13.8	21	21.2	7	5.8	24	29.1	4	15.8	44	31.5	1	3.2	13	21.0	2	9.3	1	5.5	1
New Hampshire	10.6	48	13.2	34	4.3	45	23.4	31	14.6	51	22.3	32			20.0	3	6.8	5	3.8	8
New Jersey	12.7	32	14.1	29	5.4	29	23.5	29	17.0	40	20.6	41			12.3	38	3.4	43	1.3	48
New Mexico	16.9	11	25.8	2	5.5	28	20.9	49	17.7	37	22.5	27			14.9	26	4.4	30	2.3	29
New York	13.7	22	17.4	18	5.7	26	22.9	35	17.4	39	21.8	35	0.8	18	13.9	33	4.5	27	1.6	42
North Carolina	17.9	9	13.6	32	6.1	15	24.0	26	21.5	11	25.1	11			12.0	42	2.9	47	1.7	40
North Dakota	12.2	36	13.8	31	5.0	38	26.1	14	21.9	7	22.1	34			19.7	4	4.2	33	4.4	3
Ohio	13.7	22	12.2	42	6.1	15	27.4	9	20.3	21	27.6	3	3.0	15	12.1	40	2.3	51	1.2	49
Oklahoma	17.4	10	20.4	9	5.8	24	20.9	49	21.1	14	25.2	10	5.0	6	8.1	51	2.5	49	2.5	23
Oregon	13.7	22	18.6	15	4.6	43	22.3	38	19.9	24	21.4	38			14.9	26	4.5	27	1.9	36
Pennsylvania	13.7	22	12.5	39	6.4	10	23.9	27	20.3	21	23.1	24	3.4	11	15.9	21	4.7	25	2.4	24
Puerto Rico	33.0	1	13.2	34	9.6	1	26.2	13	21.3	13	13.7	52			10.6	45	3.6	40	2.0	34
Rhode Island	12.6	33	12.6	38	5.3	33	22.9	35	16.8	42	22.3	32			15.6	23	5.2	16	2.6	22
South Carolina	13.9	20	18.2	16	6.4	10	25.2	18	20.6	18	23.6	18			12.3	38	5.0	21	2.1	32
South Dakota	13.1	26	13.0	37	4.9	40	23.8	28	19.6	27	22.5	27			17.4	12	3.6	40	4.1	5
Tennessee	19.9	5	14.2	27	6.0	21	28.6	5	20.5	19	24.8	13			7.7	52	2.5	49	1.5	44
Texas	19.2	7	26.3	1	6.2	14	24.2	24	21.6	10	22.4	30	3.2	13	17.3	15	5.7	11	2.8	18
Utah	10.0	49	14.2	27	4.2	50	21.3	46	16.7	43	14.0	51	1.8	17	10.2	47	3.1	45	1.2	49
Vermont	9.9	51	14.8	26	4.3	45	21.0	48	18.0	36	21.7	36			17.4	12	6.5	6	2.4	24
Virginia	11.7	40	11.2	46	6.1	15	23.5	29	19.3	29	21.4	38	3.3	12	12.7	36	3.9	36	2.4	24
Washington	12.0	38	14.1	29	5.2	35	22.1	40	18.2	34	22.4	30	2.7	16	14.4	30	5.2	16	1.7	40
West Virginia	23.9	2	22.3	5	7.3	4	31.0	3	24.6	1	27.1	6	8.6	1	8.5	50	3.0	46	1.1	51
Wisconsin	11.9	39	12.1	43	5.3	33	25.0	20	19.9	24	23.7	17			27.0	1	6.4	7	4.9	2
Wyoming	11.3	45	19.9	13	4.6	43	22.0	41	16.9	41	23.9	15	8.1	2	17.3	15	3.6	40	2.4	24
US Total	14.9		18.6		5.9		24.4		19.4		22.5		N/A		14.7		4.8		2.4	

Source: Centers for Disease Control & Prevention - 1999 Behavioral Risk Factor Data; West Virginia Health Statistics Center, 2005.

a. 52 states/territories conducted the survey. States/territories with the same prevalence share the same rank.

b. Heavy drinking has been redefined to match the 2001 definition: more than two drinks per day for men and more than one drink per day for women.

Appendix E

Behavioral Risk Factor Prevalences in 50 States, District of Columbia, and Territories^a United States, 2000

State	Fair or Poor Health		No Health Insurance, Ages 18-64		Diabetes Awareness		Obesity (BMI 30+)		No Leisure Exercise		Less Than 5 Per Day Fruits/Veg		Current Smoking		Smokeless Tobacco Use		Have had Heart Attack		Have had Stroke	
	%	Rnk	%	Rnk	%	Rnk	%	Rnk	%	Rnk	%	Rnk	%	Rnk	%	Rnk	%	Rnk	%	Rnk
Alabama	19.3	6	19.4	13	7.4	4	23.9	2	31.6	9	77.3	23	25.2	10						
Alaska	10.2	50	19.1	14	3.8	52	21.0	23	20.0	48	76.3	34	25.0	12	5.7	5				
Arizona	14.8	21	20.7	9	5.9	33	19.2	33	34.2	5	63.1	52	18.6	49						
Arkansas	19.0	7	20.9	8	6.2	23	23.3	4	28.1	21	77.5	21	25.1	11						
California	16.7	11	21.3	7	6.8	11	19.9	29	26.5	29	73.3	41	17.2	50						
Colorado	12.7	37	15.8	22	5.1	44	14.2	52	19.8	49	76.6	30	20.0	43	4.1	8				
Connecticut	13.9	27	10.6	44	5.5	38	17.4	45	25.2	31	70.7	48	19.9	44						
Delaware	12.4	38	9.7	49	6.4	18	16.6	49	28.0	23	77.5	21	22.9	28			4.2	8	2.3	8
D.C.	12.2	41	12.8	32	7.2	5	21.5	16	20.8	46	68.1	50	20.9	39			3.0	14	2.7	3
Florida	15.3	17	21.6	6	6.9	10	18.7	37	28.8	17	76.7	27	23.2	25						
Georgia	15.2	19	16.5	19	6.8	11	21.5	16	29.0	16	77.7	19	23.5	21			3.7	12	2.2	10
Hawaii	12.4	38	8.3	51	5.2	42	15.7	51	23.2	40	77.6	20	19.7	47						
Idaho	13.1	31	20.4	10	4.9	46	18.9	35	19.8	49	78.9	13	22.3	29	3.3	13				
Illinois	13.0	34	12.8	32	6.2	23	21.7	14	30.9	11	76.8	29	22.3	29						
Indiana	14.1	26	12.3	36	6.0	29	21.8	12	25.4	30	80.0	7	26.9	4			5.2	5	2.5	5
Iowa	10.9	49	10.9	43	6.1	27	21.5	16	27.3	25	81.9	3	23.2	25	3.0	16	4.1	10	1.9	12
Kansas	12.4	38	12.9	30	5.9	33	20.8	24	30.4	12	76.6	30	21.0	37						
Kentucky	21.6	3	16.6	18	6.5	16	23.0	7	41.1	2	77.3	23	30.5	1			5.4	2	2.8	2
Louisiana	16.3	13	25.6	3	6.6	15	23.6	3	36.2	3	84.2	2	24.1	15	3.5	11				
Maine	14.7	23	16.3	20	6.0	29	20.0	27	27.2	26	75.5	36	23.8	18						
Maryland	12.8	35	11.1	40	6.4	18	20.2	26	24.2	38	72.6	43	20.5	42	1.4	18				
Massachusetts	13.5	29	9.9	48	5.8	35	16.8	48	24.6	35	70.0	49	19.9	44						
Michigan	13.7	28	10.1	46	7.0	9	22.4	9	22.9	43	76.9	26	24.1	15						
Minnesota	9.7	52	8.3	51	4.9	46	17.4	45	24.8	34	75.7	35	19.8	46						
Mississippi	20.2	4	22.7	5	7.6	2	25.0	1	33.3	7	81.4	5	23.5	21	7.3	3	5.3	4	2.6	4
Missouri	15.3	16	13.4	28	6.7	14	22.1	10	28.8	17	79.3	12	27.2	3						
Montana	11.3	46	18.0	16	4.9	46	15.9	50	23.3	39	77.2	25	18.8	48	6.3	4	3.4	13	2.3	8
Nebraska	11.3	46	11.1	40	4.9	46	21.1	22	29.6	14	79.4	10	21.2	36	3.9	10				
Nevada	15.8	14	16.0	21	6.8	11	17.9	43	24.9	32	78.7	14	29.0	2	2.6	17				
New Hampshire	10.1	51	10.3	45	4.4	50	18.1	41	26.7	27	73.8	40	25.3	9						
New Jersey	15.7	15	15.4	23	5.8	35	18.5	38	28.6	19	72.6	43	21.0	37						
New Mexico	17.1	9	27.7	1	6.5	16	19.3	32	24.4	36	79.5	9	23.6	20						
New York	14.7	23	15.3	24	6.3	22	17.7	44	29.4	15	72.5	45	21.6	33						
North Carolina	16.6	12	15.1	25	6.4	18	21.8	12	30.4	12	77.9	18	26.1	6	5.2	6				
North Dakota	11.5	44	14.2	26	5.2	42	20.4	25	24.3	37	76.8	27	23.2	25						
Ohio	13.3	30	12.3	36	6.4	18	21.5	16	31.3	10	78.6	15	26.2	5	3.4	12	5.4	2	2.5	5
Oklahoma	15.3	16	20.1	12	5.5	38	19.7	31	34.4	4	81.8	4	23.3	24	4.5	7	4.0	11	1.7	13
Oregon	16.9	10	18.1	15	6.0	29	21.5	16	20.1	47	73.2	42	20.7	40						
Pennsylvania	14.4	25	11.1	40	7.1	7	21.2	21	23.0	42	76.7	29	24.3	14			4.6	6	2.4	7
Puerto Rico	32.8	1	10.1	46	8.5	1	21.7	14	54.1	1	92.8	1	13.1	51						
Rhode Island	14.8	21	13.6	27	6.0	29	17.1	47	27.5	24	70.8	47	23.4	23						
South Carolina	15.0	20	16.9	17	7.1	7	22.0	11	28.1	21	75.4	37	24.9	13			4.5	7	1.7	13
South Dakota	12.1	42	12.7	35	5.7	37	19.8	30	26.7	27	80.1	6	21.9	31						
Tennessee	18.3	8	13.2	29	7.2	5	22.9	8	32.7	8	65.9	51	25.7	8						
Texas	20.2	4	26.9	2	6.2	23	23.1	6	28.5	20	76.6	30	21.9	31	4.1	8				
Utah	11.5	44	12.8	34	5.4	41	19.1	34	15.5	52	79.4	10	12.9	52						
Vermont	11.2	48	11.7	38	4.4	50	18.2	39	23.2	40	71.3	46	21.5	34						
Virginia	13.1	31	12.9	30	6.2	23	18.2	39	25.0	32	74.4	39	21.4	35	3.1	14	4.2	8	2.1	11
Washington	11.9	43	11.5	39	5.5	38	18.8	36	16.9	51	75.3	38	20.7	40	3.1	14				
West Virginia	25.4	2	23.5	4	7.6	2	23.2	5	33.6	6	78.6	15	26.1	6	8.8	1	7.6	1	3.1	1
Wisconsin	12.8	35	8.9	50	6.1	27	20.0	27	22.1	45	78.3	17	24.1	15						
Wyoming	13.1	31	20.2	11	5.0	45	18.0	42	22.6	44	79.6	8	23.8	18	7.5	2				
US Total	15.5		16.3		6.4		20.4		27.8		75.8		22.2		N/A		N/A		N/A	

Source: Centers for Disease Control & Prevention - 2000 Behavioral Risk Factor Data; West Virginia Health Statistics Center, 2005.

a. 52 states/territories conducted the survey. States/territories with the same prevalence share the same rank.

Appendix F

Behavioral Risk Factor Prevalences in 50 States, District of Columbia, and Territories^a United States, 2001

State	Fair or Poor Health		No Health Insurance, Ages 18-64		Diabetes Awareness		Hypertension Awareness		Obesity (BMI 30+)		No Leisure Exercise		Current Smoking		Smokeless Tobacco Use		Binge Drinking		Heavy Drinking	
	%	Rnk	%	Rnk	%	Rnk	%	Rnk	%	Rnk	%	Rnk	%	Rnk	%	Rnk	%	Rnk	%	Rnk
Alabama	21.2	5	17.8	21	9.6	2	31.6	2	24.5	7	31.2	10	23.8	22			11.6	44	4.2	42
Alaska	11.3	49	20.3	11	4.0	54	21.8	51	22.1	21	21.1	44	26.2	8			18.2	5	5.8	13
Arizona	16.1	15	20.5	9	6.1	34	23.6	43	18.5	48	21.9	41	21.5	41	2.6	13	16.8	10	6.1	9
Arkansas	19.5	8	19.9	14	7.8	9	29.7	5	22.4	17	31.5	8	25.5	13	6.5	3	11.3	45	4.6	37
California	16.0	16	17.3	22	6.5	28	23.3	45	21.9	23	26.6	19	17.2	51			15.5	22	6.2	8
Colorado	13.2	34	17.9	19	4.6	50	21.6	52	14.9	54	19.2	50	22.3	33	4.0	9	16.7	11	5.5	16
Connecticut	11.5	47	11.3	46	6.3	31	24.0	41	17.9	49	24.0	34	20.6	45	0.7	15	13.8	34	5.2	24
Delaware	13.1	37	10.1	49	7.1	16	27.2	13	20.8	30	25.7	28	25.0	15			15.7	19	7.1	4
D.C.	13.2	34	14.2	30	8.3	6	29.0	7	20.0	36	24.2	32	20.8	44			14.8	27	6.1	9
Florida	16.0	16	21.5	8	8.2	7	26.9	15	18.8	46	27.7	13	22.4	30			12.0	40	5.5	16
Georgia	15.9	18	15.9	27	6.9	19	26.9	15	22.7	13	27.3	16	23.7	24			11.9	41	3.9	47
Guam	18.1	10	20.0	13	9.5	3	24.5	35	21.2	25	27.4	15	31.2	1			18.1	6	5.3	23
Hawaii	12.4	44	8.8	53	6.2	32	24.1	37	17.9	49	18.9	51	20.5	46			10.4	49	5.1	28
Idaho	13.0	38	17.9	19	5.4	45	24.6	34	20.5	32	21.0	45	19.6	49			12.8	38	4.2	42
Illinois	13.6	31	11.7	42	6.6	25	24.8	33	21.0	28	26.5	21	23.7	24			17.3	9	5.5	16
Indiana	14.0	28	16.2	26	6.5	28	25.8	25	24.5	7	26.2	24	27.4	6			13.8	34	4.4	39
Iowa	11.9	46	10.1	49	5.7	38	25.5	29	22.5	15	25.9	26	22.1	38			16.2	14	4.7	36
Kansas	12.6	41	12.1	40	5.8	37	23.9	42	21.6	24	26.7	18	22.2	35			14.7	28	4.8	33
Kentucky	21.7	4	18.0	18	6.7	21	30.1	4	24.6	5	33.4	4	30.9	2	4.9	7	8.7	53	2.7	53
Louisiana	15.5	20	25.3	4	7.6	12	27.6	11	24.0	9	35.6	2	24.6	16			13.8	34	4.1	44
Maine	13.2	34	15.3	28	6.7	21	25.2	31	19.5	41	23.2	36	23.9	20			15.4	23	5.5	16
Maryland	13.8	30	11.8	41	6.9	19	26.3	22	20.5	32	24.2	32	21.1	42			11.9	41	5.2	24
Massachusetts	12.1	45	9.4	51	5.6	42	23.6	43	16.6	53	22.8	39	19.5	50			18.1	6	7.0	5
Michigan	14.6	25	11.6	44	7.2	13	27.3	12	25.0	3	23.4	35	25.6	12			18.0	8	5.9	11
Minnesota	11.0	51	6.4	54	4.4	52	22.3	49	19.9	37	17.1	52	22.2	35			19.6	3	5.8	13
Mississippi	22.9	3	22.0	7	9.3	4	31.3	3	26.5	1	33.4	4	25.3	14			11.8	43	4.5	38
Missouri	15.5	20	12.9	36	6.6	25	26.5	19	23.2	11	27.5	14	25.9	10			14.1	33	4.8	33
Montana	4.4	26	20.4	10	5.6	42	26.8	17	18.8	46	21.9	41	21.9	40	6.0	4	16.7	11	4.4	39
Nebraska	13.0	38	16.5	25	5.2	47	22.6	47	20.7	31	31.4	9	20.2	48	3.5	11	14.6	30	4.3	41
Nevada	13.6	31	20.2	12	5.7	38	25.6	27	19.5	41	22.6	40	26.9	7			16.7	11	7.8	2
New Hampshire	9.4	54	13.4	33	5.4	45	22.8	46	19.4	43	19.5	49	24.1	19			15.8	17	6.3	7
New Jersey	15.5	20	13.5	32	7.1	16	26.1	23	19.6	40	26.6	19	21.1	42	0.8	14	13.5	37	4.0	46
New Mexico	16.9	11	26.5	3	6.2	32	20.0	54	19.7	38	25.8	27	23.8	22			15.8	17	5.0	30
New York	16.3	14	19.5	15	6.6	25	26.0	24	20.3	35	28.7	12	23.2	27			14.4	31	5.0	30
North Carolina	16.4	13	16.7	23	6.7	21	27.2	13	22.9	12	26.4	22	25.7	11			9.8	50	4.1	44
North Dakota	12.6	41	14.2	30	5.1	48	24.1	37	20.4	34	23.2	36	22.1	38	5.6	6	22.3	2	4.8	33
Ohio	14.2	27	13.0	35	7.2	13	26.6	18	22.4	17	26.2	24	27.6	5			16.2	14	5.4	21
Oklahoma	19.6	7	25.1	5	7.7	10	28.5	9	22.6	14	32.8	6	28.7	3	4.9	7	11.0	48	3.5	50
Oregon	14.8	24	16.6	24	5.7	38	24.9	32	21.1	27	20.8	46	20.5	46			14.7	28	5.9	11
Pennsylvania	14.0	28	11.3	46	6.7	21	28.1	10	22.1	21	24.7	31	24.5	17			15.6	21	5.2	24
Puerto Rico	34.5	1	9.3	52	9.8	1	26.4	21	22.2	20	49.2	1	12.5	53			11.3	45	3.8	49
Rhode Island	15.3	23	10.5	48	6.4	30	25.4	30	17.7	51	24.9	30	23.9	20			15.1	24	7.5	3
South Carolina	15.6	19	19.2	17	8.1	8	28.8	8	22.5	15	26.4	22	26.0	9			12.3	39	5.5	16
South Dakota	12.6	41	12.4	38	6.1	34	24.1	37	21.2	25	25.4	29	22.3	33	5.7	5	18.5	4	3.9	47
Tennessee	19.9	6	12.4	38	7.7	10	29.3	6	23.4	10	35.1	3	24.4	18			6.8	54	2.5	54
Texas	19.3	9	26.6	2	7.1	16	25.6	27	24.6	5	27.1	17	22.4	30	3.9	10	15.1	24	5.4	21
Utah	10.0	53	14.6	29	4.3	53	22.3	49	19.1	45	16.5	54	13.2	52			9.7	51	3.1	51
Vermont	11.5	47	13.4	33	5.1	48	21.4	53	17.6	52	20.3	48	22.4	30			15.7	19	6.8	6
Virgin Islands	16.6	12	31.8	1	7.2	13	26.5	19	24.7	4	29.2	11	9.6	54			11.1	47	5.7	15
Virginia	13.3	33	12.7	37	6.0	36	25.8	25	20.9	29	23.2	36	22.5	28	3.0	12	14.3	32	5.1	28
Washington	12.8	40	11.6	44	5.7	38	24.4	36	19.3	44	17.1	52	22.5	28			14.9	26	5.0	30
West Virginia	24.2	2	23.8	6	8.8	5	32.5	1	25.1	2	31.7	7	28.2	4	8.2	1	9.4	52	3.0	52
Wisconsin	11.2	50	11.7	42	5.6	42	24.1	37	22.4	17	20.7	47	23.6	26			25.7	1	8.7	1
Wyoming	10.9	52	19.5	15	4.5	51	22.4	48	19.7	38	21.2	43	22.2	35	8.1	2	16.0	16	5.2	24
US Total	15.7		16.4		6.8		25.8		21.6		26.4		22.7		N/A		14.5		5.2	

Source: Centers for Disease Control & Prevention - 2001 Behavioral Risk Factor Data; West Virginia Health Statistics Center, 2005.

a. 54 states/territories conducted the survey. States/territories with the same prevalence share the same rank.

b. For 2001, heavy drinking was redefined as > two drinks per day for men and > one drink per day for women. It was defined as > = two drinks per day for all adults previously.

Appendix G

Behavioral Risk Factor Prevalences in 50 States, District of Columbia, and Territories^a United States, 2002

State	Fair or Poor Health		No Health Insurance, Ages 18-64		Diabetes Awareness		Obesity (BMI 30+)		No Leisure Exercise		Less Than 5 Per Day Fruits/Veg		Current Smoking		Binge Drinking		No Flu Shot Past 12 Mo., Ages 65+		Seatbelt Nonuse	
	%	Rnk	%	Rnk	%	Rnk	%	Rnk	%	Rnk	%	Rnk	%	Rnk	%	Rnk	%	Rnk	%	Rnk
Alabama	19.7	8	18.2	22	8.5	5	25.7	4	27.3	14	78.9	18	24.4	18	14.5	36	35.2	13	16.6	41
Alaska	13.0	38	20.1	15	3.5	54	23.4	18	22.4	36	77.2	30	29.3	3	18.2	11	30.5	33	29.4	13
Arizona	15.1	25	19.2	18	6.4	30	19.6	40	22.6	34	77.4	25	23.4	23	16.9	21	30.3	34	19.5	35
Arkansas	19.0	9	22.7	9	7.9	10	23.7	15	27.4	13	79.3	15	26.3	12	12.7	44	31.0	30	35.4	5
California	15.6	22	18.0	23	7.4	15	19.2	44	22.7	33	72.6	40	16.4	51	14.9	35	28.5	39	7.7	53
Colorado	12.5	42	18.6	20	4.4	52	16.5	54	19.3	46	76.1	34	20.4	46	18.6	7	26.7	45	21.1	32
Connecticut	12.2	44	12.7	44	5.9	41	18.0	50	22.0	37	69.7	52	19.4	48	16.3	26	28.6	38	17.7	38
Delaware	14.8	27	10.4	51	7.1	21	22.4	26	27.1	15	80.5	8	24.7	15	18.3	9	28.5	39	19.7	34
D.C.	10.8	53	12.2	46	7.6	13	20.7	34	20.9	41	66.2	53	20.4	46	17.0	20	41.3	6	12.1	50
Florida	15.3	23	22.3	10	7.6	13	19.4	42	27.9	11	72.6	40	22.0	36	13.7	40	43.0	4	16.6	41
Georgia	15.3	23	17.8	24	7.1	21	23.5	16	25.7	20	77.4	25	23.2	25	12.8	43	40.7	7	16.9	40
Guam	18.6	10	23.3	8	8.4	7	23.8	13	24.6	24	73.1	39	31.9	2	17.7	16	55.9	3	14.3	44
Hawaii	11.4	50	10.3	52	5.8	43	17.1	53	16.1	53	79.6	11	21.0	44	11.9	47	26.1	50	10.4	52
Idaho	13.6	34	19.8	17	6.1	38	20.2	38	19.3	46	78.4	20	20.6	45	15.8	30	34.9	15	34.8	6
Illinois	14.9	26	16.4	28	6.8	27	21.9	29	28.6	9	79.1	17	22.8	29	17.8	14	38.9	10	25.3	20
Indiana	16.4	17	17.2	26	7.4	15	24.1	11	27.5	12	78.3	21	27.6	6	15.9	28	33.7	20	23.1	27
Iowa	11.5	49	10.8	49	6.5	29	22.9	23	21.8	39	80.2	9	23.2	25	20.1	4	26.5	46	24.1	24
Kansas	12.4	43	13.1	42	6.4	30	22.8	25	22.5	35	81.8	5	22.1	35	15.8	30	31.4	28	33.3	8
Kentucky	23.8	2	21.1	12	7.0	24	24.4	10	26.6	16	79.8	10	32.6	1	7.9	54	34.3	17	25.5	19
Louisiana	17.9	11	27.1	3	7.1	21	25.5	5	33.5	3	82.8	3	23.9	20	13.6	41	42.7	5	20.7	33
Maine	14.7	28	16.9	27	7.3	17	20.7	34	25.8	19	70.6	49	23.6	22	15.4	33	26.2	49	27.4	16
Maryland	11.7	47	11.3	48	6.9	26	19.4	42	23.0	31	70.3	50	21.9	37	14.4	37	34.1	19	12.5	49
Massachusetts	13.3	37	10.8	49	5.8	43	18.3	49	20.8	42	70.3	50	18.9	50	18.3	9	27.4	43	27.8	15
Michigan	13.4	36	13.8	36	7.9	10	25.4	7	24.1	29	77.4	25	24.2	19	16.9	21	32.3	23	16.2	43
Minnesota	10.9	51	7.9	53	4.9	51	22.4	26	16.2	52	77.3	28	21.7	38	21.1	3	23.4	54	24.5	22
Mississippi	23.0	4	26.7	4	8.6	4	26.8	2	32.5	4	80.8	6	27.3	7	12.4	45	37.0	11	27.2	17
Missouri	17.1	15	15.8	29	7.3	17	23.2	20	26.5	17	80.8	6	26.5	11	17.2	19	31.4	28	33.2	9
Montana	12.8	40	21.1	12	5.5	49	18.7	47	19.2	48	77.3	28	21.2	41	19.8	5	32.3	23	31.5	10
Nebraska	13.7	30	13.8	36	5.8	43	23.2	20	22.0	37	82.0	4	22.7	30	17.6	18	31.7	27	31.3	12
Nevada	17.2	13	25.8	5	6.2	33	21.6	30	24.8	23	77.7	24	26.0	14	19.8	5	39.7	8	21.2	31
New Hampshire	11.6	48	13.6	39	6.2	33	17.9	51	19.9	45	71.5	46	23.2	25	16.6	24	27.7	42	36.2	4
New Jersey	14.7	28	15.7	30	6.1	38	19.0	45	26.0	18	71.8	44	19.0	49	13.9	39	30.9	31	17.4	39
New Mexico	17.0	16	25.0	6	6.2	33	19.7	39	23.0	31	78.1	22	21.2	41	14.4	37	33.4	21	13.2	47
New York	16.1	19	17.6	25	7.2	19	20.6	36	25.1	22	72.3	42	22.3	34	17.9	13	35.4	12	19.2	36
North Carolina	21.0	5	19.2	18	7.2	19	23.5	16	29.5	7	76.4	32	26.3	12	10.9	50	31.8	26	12.7	48
North Dakota	13.6	34	11.4	47	6.1	38	23.4	18	21.7	40	79.6	11	21.5	39	22.0	2	26.1	50	47.6	1
Ohio	13.7	30	13.4	41	7.7	12	23.0	22	25.4	21	79.5	13	26.6	8	15.9	28	33.4	21	23.5	25
Oklahoma	17.7	12	23.7	7	6.7	28	22.9	23	30.6	6	85.6	1	26.6	8	13.3	42	27.3	43	22.4	29
Oregon	16.1	19	20.5	14	6.2	33	20.3	37	17.9	51	73.7	38	22.4	32	16.3	26	32.0	25	12.1	50
Pennsylvania	15.9	21	12.6	45	8.1	9	23.9	12	24.4	27	74.6	37	24.5	17	16.9	21	29.5	35	31.4	11
Puerto Rico	33.0	1	7.8	54	10.5	1	22.0	28	46.8	1	85.5	2	13.2	52	10.6	51	64.6	2	7.4	54
Rhode Island	13.7	30	13.7	38	5.6	47	18.5	48	24.6	24	71.4	47	22.4	32	17.7	16	26.4	47	24.4	23
South Carolina	17.2	13	18.4	21	8.4	7	25.8	3	24.6	24	76.1	34	26.6	8	12.4	45	30.6	32	25.2	21
South Dakota	12.9	39	14.3	34	6.3	32	21.2	33	23.8	30	79.3	15	22.6	31	18.5	8	25.8	53	45.1	2
Tennessee	20.7	6	15.1	32	8.5	5	24.5	9	33.6	2	71.6	45	27.7	5	8.2	53	28.4	41	18.8	37
Texas	20.1	7	31.3	2	7.0	24	25.5	5	29.3	8	76.1	34	22.9	28	17.8	14	39.0	9	13.8	46
Utah	10.4	54	15.4	31	4.4	52	17.5	52	18.9	49	79.4	14	12.8	53	10.1	52	28.9	37	28.0	14
Vermont	10.9	51	13.6	39	5.9	41	18.9	46	18.3	50	70.9	48	21.1	43	16.5	25	26.4	47	23.5	25
Virgin Islands	16.2	18	34.5	1	9.1	3	24.9	8	30.7	5	64.3	54	9.4	54	11.7	48	67.8	1	22.6	28
Virginia	13.7	30	14.4	33	6.2	33	23.8	13	24.4	27	72.1	43	24.6	16	15.6	32	34.7	16	22.1	30
Washington	12.6	41	14.0	35	5.8	43	21.3	32	15.0	54	76.2	33	21.5	39	15.1	34	35.0	14	14.3	44
West Virginia	23.5	3	21.8	11	10.2	2	27.6	1	28.4	10	78.7	19	28.4	4	11.4	49	34.2	18	25.6	18
Wisconsin	12.0	46	13.0	43	5.1	50	21.6	30	20.0	44	76.5	31	23.3	24	24.9	1	26.0	52	33.7	7
Wyoming	12.2	44	20.1	15	5.6	47	19.5	41	20.4	43	77.9	23	23.7	21	18.1	12	29.4	36	41.8	3
US Total	16.0		17.8		7.1		21.9		25.3		75.6		22.6		15.7		33.6		19.4	

Source: Centers for Disease Control & Prevention - 2002 Behavioral Risk Factor Data; West Virginia Health Statistics Center, 2005.

a. 54 states/territories conducted the survey. States/territories with the same prevalence share the same rank.

Appendix H

Behavioral Risk Factor Prevalences in 50 States, District of Columbia, and Territories^a

United States, 2003

State	Fair or Poor Health		High Cholesterol		Diabetes Awareness		Hypertension Awareness		Obesity (BMI 30+)		No Leisure Exercise		Less Than 5 Per Day Fruits/Veg		Current Smoking		Binge Drinking		No Flu Shot Past 12 Mo., Ages 65+	
	%	Rnk	%	Rnk	%	Rnk	%	Rnk	%	Rnk	%	Rnk	%	Rnk	%	Rnk	%	Rnk	%	Rnk
Alabama	20.3	5	36.0	4	8.7	9	33.1	3	28.4	1	29.9	7	77.4	27	25.3	13	12.1	47	29.8	29
Alaska	11.8	49	27.6	52	5.0	53	20.8	52	23.5	23	19.2	45	77.4	27	26.2	6	18.4	11	33.5	9
Arizona	15.6	23	34.6	13	6.3	37	22.7	46	20.1	43	21.2	38	77.1	30	20.8	38	16.6	26	31.1	19
Arkansas	19.7	7	34.8	11	7.4	22	30.5	4	25.2	6	29.1	9	79.2	16	24.8	17	12.5	46	29.0	33
California	15.1	26	32.7	31	7.2	26	23.4	40	23.2	24	22.3	32	73.1	43	16.8	51	15.9	31	27.5	36
Colorado	12.0	47	31.9	35	4.7	54	19.8	53	16.0	54	16.8	53	75.8	37	18.6	48	18.3	12	25.8	44
Connecticut	12.6	40	30.8	41	5.9	45	24.2	32	19.1	49	21.0	40	70.2	52	18.6	48	16.5	27	25.7	45
Delaware	14.2	30	34.7	12	7.7	20	27.7	14	24.0	15	26.5	16	78.0	20	21.9	31	18.6	9	30.0	28
D.C.	12.4	41	29.2	49	8.2	13	25.2	24	20.3	40	22.5	31	70.4	51	22.0	27	18.6	9	37.0	6
Florida	18.1	10	35.1	7	8.5	10	29.3	7	19.9	46	27.9	12	76.4	35	23.9	20	15.5	32	34.1	7
Georgia	16.3	21	33.2	26	7.8	18	28.0	12	25.2	6	24.5	23	77.0	31	22.8	23	13.0	45	33.0	10
Guam	18.2	9	28.1	50	10.3	3	22.1	49	21.9	30	30.2	6	70.5	50	34.0	1	18.7	8	40.3	3
Hawaii	12.2	45	27.0	54	7.6	21	23.2	42	16.4	53	18.3	50	72.4	46	17.2	50	13.3	43	23.6	51
Idaho	13.6	34	31.1	39	6.3	37	23.1	43	21.8	32	18.6	49	79.6	14	19.0	47	15.5	32	29.7	30
Illinois	15.0	27	33.6	20	7.3	25	24.1	33	23.7	20	25.7	20	76.9	32	23.4	22	17.3	20	37.8	5
Indiana	16.7	19	35.1	7	7.8	18	27.0	17	26.0	4	26.2	18	78.0	20	26.1	7	15.1	37	33.9	8
Iowa	11.7	50	31.7	36	6.7	34	25.1	25	23.9	17	22.7	29	82.9	4	21.7	32	19.4	4	22.5	52
Kansas	13.3	35	29.4	48	6.0	43	23.3	41	22.6	28	25.9	19	81.2	9	20.4	40	13.9	42	29.2	32
Kentucky	22.8	4	35.5	5	8.5	10	29.8	6	25.6	5	30.6	2	81.8	7	30.8	2	9.3	52	30.9	21
Louisiana	17.3	15	30.8	41	8.5	10	29.0	8	24.8	11	30.5	3	83.6	3	26.5	5	16.4	28	31.7	16
Maine	14.7	29	33.6	20	7.4	22	26.0	21	19.9	46	20.6	42	73.0	44	23.7	21	16.8	24	25.2	46
Maryland	12.2	45	33.9	17	7.0	31	25.0	26	21.9	30	21.3	37	71.1	48	20.1	41	15.0	39	31.6	17
Massachusetts	12.4	41	32.4	33	6.2	41	23.1	43	16.8	52	21.6	36	71.0	49	19.1	46	18.3	12	25.1	48
Michigan	15.2	24	38.2	1	7.9	17	26.8	18	25.2	6	21.8	34	79.9	12	26.1	7	19.1	5	32.5	12
Minnesota	11.2	52	30.8	41	5.5	50	22.2	48	23.0	25	15.0	54	75.8	37	21.1	36	19.7	3	19.7	54
Mississippi	23.1	3	33.1	27	11.0	1	33.4	2	28.1	2	30.3	5	82.1	6	25.6	9	11.4	48	31.0	20
Missouri	17.4	14	33.6	20	6.9	32	27.5	15	23.6	22	24.0	24	79.8	13	27.2	4	17.2	22	30.1	27
Montana	12.3	43	29.8	47	5.5	50	21.3	50	18.8	50	20.2	43	78.1	19	20.0	42	19.1	5	27.2	38
Nebraska	12.8	39	30.5	44	6.4	36	23.5	39	23.9	17	20.7	41	82.2	5	21.2	34	18.0	16	26.4	41
Nevada	17.5	13	36.8	3	6.3	37	23.6	38	21.2	36	24.7	22	79.6	14	25.2	14	17.9	18	40.0	4
New Hampshire	10.8	53	33.4	23	5.6	49	22.5	47	20.2	41	19.9	44	71.5	47	21.2	34	17.7	19	26.1	42
New Jersey	15.2	24	33.8	19	7.1	29	25.6	22	20.1	43	26.9	15	73.4	42	19.4	45	16.0	30	32.8	11
New Mexico	16.9	18	27.2	53	5.7	48	21.1	51	20.2	41	22.9	28	77.6	25	22.0	27	15.3	35	27.6	35
New York	17.2	17	34.9	9	7.4	22	25.3	23	20.9	37	27.1	14	74.2	40	21.6	33	16.9	23	32.0	14
North Carolina	18.9	8	34.0	16	8.1	14	28.6	11	24.0	15	25.0	21	76.9	32	24.8	17	8.6	53	31.2	18
North Dakota	13.2	36	32.6	32	6.2	41	24.0	34	23.7	20	23.7	25	78.5	17	20.5	39	21.4	2	27.0	39
Ohio	14.2	30	33.9	17	8.9	8	26.3	20	24.9	10	26.4	17	77.3	29	25.2	14	16.7	25	32.0	14
Oklahoma	17.8	12	32.0	34	7.2	26	28.0	12	24.4	14	30.4	4	84.6	2	25.1	16	13.3	43	24.2	49
Oregon	16.2	22	34.1	15	6.3	37	24.0	34	21.5	35	18.8	46	75.9	36	20.9	37	15.5	32	29.5	31
Pennsylvania	15.0	27	35.2	6	8.0	16	26.5	19	23.8	19	22.6	30	75.3	39	25.4	12	18.0	16	30.9	21
Puerto Rico	35.0	1	30.3	45	11.0	1	27.3	16	22.9	26	45.2	1	84.7	1	13.6	52	9.8	51	59.8	2
Rhode Island	14.2	30	33.1	27	6.8	33	28.9	9	18.4	51	23.3	26	72.9	45	22.4	25	18.2	15	23.8	50
South Carolina	16.7	19	33.4	23	9.3	7	28.8	10	24.5	13	23.3	26	77.7	24	25.5	11	14.4	40	30.7	25
South Dakota	13.0	37	31.2	38	7.1	29	24.8	27	22.9	26	21.7	35	81.0	10	22.7	24	19.0	7	22.1	53
Tennessee	18.1	10	30.1	46	9.4	6	30.3	5	25.0	9	29.8	8	77.8	23	25.6	9	6.6	54	30.9	21
Texas	20.2	6	34.3	14	8.1	14	24.6	29	24.6	12	27.6	13	77.5	26	22.1	26	16.3	29	32.3	13
Utah	11.3	51	27.8	51	5.5	50	18.8	54	20.8	39	17.3	52	80.5	11	11.9	53	10.2	50	25.2	46
Vermont	10.7	54	30.9	40	5.8	46	23.1	43	19.6	48	18.7	48	67.5	53	19.5	43	17.3	20	25.9	43
Virgin Islands	17.3	15	31.5	37	9.8	4	24.8	27	22.0	29	28.6	10	66.1	54	10.0	54	14.2	41	65.1	1
Virginia	12.9	38	32.9	29	7.2	26	24.4	30	21.7	33	22.1	33	74.2	40	22.0	27	15.1	37	30.4	26
Washington	13.8	33	33.3	25	6.6	35	23.8	36	21.7	33	17.7	51	76.7	34	19.5	43	15.2	36	26.6	40
West Virginia	25.3	2	38.1	2	9.8	4	33.6	1	27.7	3	28.0	11	81.3	8	27.3	3	11.1	49	30.9	21
Wisconsin	12.0	47	32.8	30	6.0	43	24.3	31	20.9	37	18.8	46	78.5	17	22.0	27	24.2	1	27.9	34
Wyoming	12.3	43	34.9	9	5.8	46	23.8	36	20.1	43	21.1	39	77.9	22	24.6	19	18.3	12	27.4	37
US Total	16.2		33.6		7.5		25.8		22.8		24.6		76.5		22.2		15.8		30.8	

Source: Centers for Disease Control & Prevention - 2003 Behavioral Risk Factor Data; West Virginia Health Statistics Center, 2005.

a. 54 states/territories conducted the survey. States/territories with the same prevalence share the same rank.

Appendix I

Behavioral Risk Factor Prevalences in 49 States, District of Columbia, and Territories^a United States, 2004

State	Fair or Poor Health		No Health Insurance, Ages 18-64		No Leisure Exercise		Obesity (BMI 30+)		Current Smoking		Smokeless Tobacco Use		Binge Drinking		Diabetes		Current Asthma		No Flu Immun. Past 12 Mo., Ages 65+	
	%	Rnk	%	Rnk	%	Rnk	%	Rnk	%	Rnk	%	Rnk	%	Rnk	%	Rnk	%	Rnk	%	Rnk
Alabama	20.2	6	19.7	17	29.6	6	28.8	2	24.9	8			12.7	41	8.1	10	8.6	18	33.7	15
Alaska	12.3	40	17.7	22	20.6	38	23.7	22	24.8	9			16.4	17	4.2	52	9.0	13	35.9	6
Arizona	14.9	27	21.6	13	24.2	21	21.2	41	18.5	45			15.5	24	6.6	30	7.2	43	33.6	16
Arkansas	19.9	7	22.4	11	26.5	10	26.1	6	25.6	6	6.5	3	11.2	46	7.1	25	7.4	38	30.8	32
California	17.5	15	20.1	16	22.7	27	22.2	34	14.8	49			14.7	28	7.1	25	7.7	32	29.0	35
Colorado	11.7	48	17.9	21	18.7	45	16.8	52	20.0	36			17.3	11	4.3	51	8.7	17	21.1	52
Connecticut	11.4	49	11.3	48	18.9	43	19.7	48	18.1	47			14.9	27	6.0	41	9.7	4	26.7	41
Delaware	13.7	31	10.5	50	21.8	32	21.1	42	24.4	11			17.4	10	7.0	27	10.0	3	30.5	33
D.C.	11.1	50	12.1	46	22.3	28	22.5	33	20.9	25			16.7	16	8.3	7	9.2	10	44.7	3
Florida	16.5	19	24.7	7	23.6	24	22.9	31	20.2	34			12.5	43	7.8	12	7.3	41	34.5	11
Georgia	15.4	26	19.3	19	25.8	12	24.7	15	20.0	38			12.1	45	7.3	21	7.4	38	35.5	8
Idaho	12.5	38	18.5	20	19.1	41	20.8	45	17.4	48			12.7	42	6.1	40	8.0	29	33.6	17
Illinois	15.5	25	16.6	29	24.9	15	23.0	30	22.2	19			17.5	9	6.0	41	8.4	24	34.5	12
Indiana	17.4	17	17.4	25	25.3	14	25.5	9	24.9	7			14.5	29	7.7	15	8.4	24	35.6	7
Iowa	12.4	39	12.9	45	21.3	36	23.5	23	20.8	27	3.5	9	19.0	4	6.4	36	6.6	49	25.8	44
Kansas	13.0	32	15.3	34	23.2	25	23.2	26	19.8	41			12.9	40	6.5	33	7.4	38	31.7	27
Kentucky	21.9	4	17.3	26	29.8	3	25.8	7	27.5	1	5.0	4	9.6	49	7.5	18	8.3	26	35.1	10
Louisiana	18.8	10	25.7	5	29.8	4	26.9	5	23.5	14	4.1	6	14.2	32	8.3	7	6.2	50	31.2	30
Maine	15.9	21	15.2	35	21.5	34	23.4	24	21.0	24			14.9	26	7.5	18	9.6	7	27.4	39
Maryland	11.8	47	13.3	44	21.8	31	23.9	20	19.5	42			12.9	39	7.2	23	7.8	31	35.4	9
Massachusetts	12.0	45	11.0	49	20.0	40	18.4	51	18.5	46			17.0	14	5.6	47	9.7	4	29.3	34
Michigan	14.2	30	14.3	40	22.1	29	25.4	10	23.3	15			16.1	20	7.7	15	8.3	26	32.8	22
Minnesota	10.0	52	9.2	51	15.9	52	22.6	32	20.7	28			19.8	3	5.0	50	7.5	36	21.6	51
Mississippi	23.0	3	23.8	8	31.3	2	29.5	1	24.5	10			10.4	47	9.6	3	7.1	44	33.0	20
Missouri	15.8	22	15.7	32	24.8	16	24.9	13	24.1	13			16.2	18	7.3	21	9.1	12	30.9	31
Montana	12.8	34	23.1	9	18.9	44	19.7	47	20.4	30			17.1	12	6.0	41	8.6	18	27.6	38
Nebraska	12.2	41	15.2	36	21.6	33	23.2	27	20.3	33	4.5	5	17.6	7	6.3	39	6.9	47	23.8	49
Nevada	18.1	12	25.4	6	24.2	20	21.1	43	23.2	16			18.0	6	6.4	36	7.1	44	40.8	4
New Hampshire	11.1	51	14.1	41	18.5	46	21.6	38	21.7	22	2.0	12	16.1	22	6.5	33	10.3	1	29.0	36
New Jersey	15.7	23	17.1	28	25.7	13	21.9	37	18.8	44	0.8	13	14.5	30	6.8	29	8.6	18	32.0	25
New Mexico	18.6	11	25.9	4	21.2	37	21.5	39	20.3	32			13.0	37	6.5	33	9.3	9	27.3	40
New York	17.5	16	17.2	27	26.5	9	22.1	36	19.9	39			15.3	25	7.5	18	8.9	15	34.0	13
North Carolina	18.0	13	21.8	12	24.7	17	24.2	19	23.1	17	4.1	7	9.6	50	8.4	5	7.5	36	32.8	23
North Dakota	12.2	43	16.0	30	21.3	35	24.6	16	19.9	40			20.5	2	5.9	45	7.7	32	25.7	46
Ohio	14.6	29	15.4	33	23.0	26	25.3	11	25.9	5	2.7	11	16.9	15	7.8	12	8.5	22	32.3	24
Oklahoma	19.7	8	26.0	3	27.8	8	24.9	14	26.1	4			13.0	38	8.0	11	8.3	26	24.8	47
Oregon	15.6	24	21.0	14	17.2	50	21.2	40	20.0	35			13.2	36	6.6	30	9.7	4	29.0	37
Pennsylvania	15.9	20	14.5	38	24.4	19	24.3	18	22.7	18			17.6	8	7.8	12	8.8	16	36.0	5
Puerto Rico	34.8	1	9.2	52	46.6	1	24.3	17	12.6	50			12.3	44	10.7	2	6.2	50	64.4	1
Rhode Island	14.8	28	14.4	39	24.2	22	19.0	49	21.3	23			18.3	5	7.2	23	9.6	7	26.5	42
South Carolina	17.7	14	19.7	18	23.8	23	25.1	12	24.3	12			13.5	35	8.3	7	7.6	35	33.8	14
South Dakota	12.6	36	13.5	43	19.0	42	23.8	21	20.3	31			17.0	13	6.6	30	6.7	48	23.0	50
Tennessee	19.4	9	13.7	42	29.7	5	27.2	4	26.2	3			8.3	52	8.4	5	9.0	13	33.5	18
Texas	20.4	5	30.7	2	26.1	11	25.8	8	20.5	29	4.0	8	15.7	23	7.7	15	7.1	44	32.8	21
Utah	12.6	37	17.7	23	16.9	51	20.4	46	10.5	51			9.3	51	5.1	49	8.0	29	24.5	48
Vermont	12.0	44	14.6	37	18.1	48	18.7	50	20.0	37			16.1	21	5.3	48	8.5	22	33.2	19
Virgin Islands	16.7	18	32.2	1	28.8	7	23.2	28	9.4	52	0.4	14	13.6	34	8.8	4	4.6	52	60.6	2
Virginia	12.7	35	15.9	31	21.9	30	23.1	29	20.8	26	3.3	10	13.8	33	7.0	27	7.3	41	31.3	29
Washington	13.0	33	17.5	24	17.3	49	22.2	35	19.2	43			14.2	31	6.4	36	9.2	10	31.8	26
West Virginia	23.5	2	22.7	10	24.5	18	27.6	3	26.9	2	8.1	2	9.7	48	10.9	1	10.1	2	31.5	28
Wisconsin	11.9	46	11.9	47	18.5	47	23.2	25	21.9	20			21.8	1	5.7	46	8.6	18	25.7	45
Wyoming	12.2	42	20.3	15	20.1	39	20.8	44	21.7	21	9.3	1	16.2	19	6.0	41	7.7	32	26.0	43
US Total	16.4		18.7		24.0		23.5		20.7		N/A		14.8		7.2		8.1		32.2	

Source: Centers for Disease Control & Prevention - 2004 Behavioral Risk Factor Data; West Virginia Health Statistics Center, 2006.

a. 52 states/territories conducted the survey. No data available for Hawaii. States/territories with the same prevalence share the same rank.

b. Influenza immunization was measured by questions about either a flu shot or a flu vaccine sprayed in the nose. Before 2004, this measure included only the flu shot question.

Appendix J

Behavioral Risk Factor Prevalences in 50 States, District of Columbia, and Territories^a United States, 2005

State	Fair or Poor Health		No Health Insurance, Ages 18-64		No Leisure Exercise		Obesity (BMI 30+)		Current Smoking		History of Heart Attack, Angina, Stroke		Binge Drinking		Diabetes		Current Asthma		No Flu Immun. Past 12 Mo., Ages 65+	
	%	Rnk	%	Rnk	%	Rnk	%	Rnk	%	Rnk	%	Rnk	%	Rnk	%	Rnk	%	Rnk	%	Rnk
Alabama	21.0	7	20.0	19	29.7	9	28.9	5	24.8	7	10.1	6	10.4	47	9.8	4	7.1	43	38.9	9
Alaska	12.8	42	18.5	8	21.4	43	27.4	8	24.9	6	5.4	51	17.5	7	4.4	53	7.8	29	38.9	9
Arizona	15.5	25	25.2	8	22.6	34	21.1	47	20.2	30	8.5	19	14.5	26	7.5	25	7.4	35	37.4	18
Arkansas	21.6	4	23.1	10	30.6	6	28.0	7	23.5	10	9.4	11	10.4	47	8.1	16	7.5	32	34.5	26
California	17.6	14	19.9	20	23.9	27	22.7	38	15.2	50	7.1	39	14.0	31	7.1	31	7.2	40	33.7	30
Colorado	12.7	44	18.4	9	17.3	52	17.8	53	19.8	36	5.2	52	16.2	14	4.8	52	8.2	22	25.3	51
Connecticut	12.2	46	10.6	49	21.2	45	20.1	51	16.5	49	6.9	42	14.8	22	6.5	41	8.0	25	28.7	44
Delaware	13.0	39	9.2	51	23.3	29	23.5	34	20.6	25	9.1	12	15.6	18	8.6	11	8.5	18	34.1	28
D.C.	12.5	45	11.2	48	22.5	35	21.7	42	20.0	32	6.5	48	16.8	9	7.1	31	9.2	8	45.3	4
Florida	17.7	13	25.4	5	26.9	15	22.8	37	21.6	19	10.4	5	14.1	30	8.8	10	6.8	47	44.2	5
Georgia	16.7	19	18.7	7	27.2	13	26.5	14	22.1	17	7.5	33	12.1	42	8.3	14	7.3	36	38.9	9
Hawaii	13.6	32	9.3	50	19.5	46	19.7	52	17.0	48	6.9	42	16.5	13	7.3	27	7.5	32	27.3	47
Idaho	14.9	27	22.3	12	21.6	41	24.5	25	17.9	45	8.4	22	13.3	36	6.8	36	7.3	36	35.8	24
Illinois	15.7	24	16.9	28	25.6	21	25.1	23	19.9	35	8.1	25	16.8	9	7.9	20	7.0	45	43.8	6
Indiana	16.7	19	18.2	10	26.9	15	27.2	10	27.3	2	8.7	16	14.3	28	8.3	14	8.2	22	36.0	23
Iowa	12.2	46	13.0	41	24.7	25	25.4	20	20.4	27	8.4	22	18.6	4	6.8	36	7.2	40	28.2	45
Kansas	13.1	38	15.6	32	24.4	26	23.9	30	17.8	46	7.9	29	12.4	40	6.9	34	6.9	46	33.8	29
Kentucky	23.7	2	20.5	18	31.5	5	28.6	6	28.7	1	11.0	3	10.4	47	8.9	8	8.8	15	37.5	17
Louisiana	21.2	6	25.4	5	33.4	2	30.8	2	22.6	13	9.8	9	14.0	31	9.2	6	5.9	52	37.4	18
Maine	14.7	29	14.9	35	22.3	39	22.7	38	20.8	23	8.7	16	14.0	31	7.5	25	10.2	3	32.3	35
Maryland	11.9	50	12.7	44	22.9	33	24.4	26	18.9	41	7.0	41	11.9	43	7.2	30	8.3	21	40.3	8
Massachusetts	13.2	36	11.8	47	23.3	29	20.7	49	18.1	43	7.2	37	15.7	17	6.4	44	9.6	6	30.0	41
Michigan	15.1	26	14.7	36	22.5	35	26.2	15	22.0	18	9.0	13	16.6	12	8.1	16	9.1	12	32.7	33
Minnesota	11.3	52	8.1	52	16.2	53	23.7	32	20.0	32	6.1	49	18.7	3	5.8	49	8.4	20	21.9	53
Mississippi	23.6	4	21.8	15	32.4	4	30.9	1	23.6	8	10.7	4	9.8	50	9.8	4	7.2	40	38.2	13
Missouri	17.6	14	15.5	33	25.4	24	26.9	12	23.4	11	9.7	10	14.7	23	7.7	22	9.0	13	38.1	15
Montana	14.4	31	25.6	4	22.4	38	21.3	44	19.2	40	7.1	39	16.8	9	5.7	50	7.9	28	30.2	40
Nebraska	13.3	34	16.5	29	23.8	28	26.0	16	21.3	21	7.2	37	17.3	8	7.3	27	6.7	49	27.1	48
Nevada	17.2	16	25.3	7	26.8	17	21.2	45	23.1	12	8.3	24	17.6	6	7.1	31	7.1	43	47.0	3
New Hampshire	11.1	53	12.4	45	21.6	41	23.1	36	20.4	27	8.1	25	14.7	23	6.5	41	10.3	2	29.6	43
New Jersey	16.6	21	17.2	11	29.2	10	22.1	41	18.0	44	7.8	30	13.2	37	7.7	22	7.5	32	36.1	22
New Mexico	17.9	12	25.8	3	23.3	29	21.7	42	21.5	20	6.9	42	10.6	45	7.3	27	8.9	14	32.0	37
New York	16.9	18	16.0	31	27.1	14	22.2	40	20.4	27	7.7	32	14.7	23	8.1	16	9.3	7	37.1	20
North Carolina	18.6	11	22.5	11	25.6	21	25.9	17	22.6	13	8.7	16	10.5	46	8.5	12	6.5	51	34.4	27
North Dakota	12.0	49	13.6	39	23.1	32	25.4	20	20.1	31	7.8	30	18.9	2	6.7	38	7.3	36	29.7	42
Ohio	14.8	28	15.1	34	25.6	21	24.3	28	22.3	16	8.1	25	15.2	19	7.7	22	8.0	25	35.2	25
Oklahoma	18.7	10	24.8	9	30.6	6	26.8	13	25.1	5	9.9	7	12.6	39	8.9	8	8.5	18	26.8	50
Oregon	16.1	22	20.9	17	18.6	49	23.8	31	18.5	42	7.4	34	13.9	34	6.7	38	10.1	4	31.0	38
Pennsylvania	14.6	30	12.8	42	25.8	20	25.3	22	23.6	8	8.8	14	16.0	15	8.1	16	8.1	24	40.5	7
Puerto Rico	34.1	1	8.0	53	49.0	1	23.7	32	13.1	51	11.5	2	15.2	19	12.5	1	8.8	15	67.8	1
Rhode Island	13.2	36	13.4	40	25.9	19	21.0	48	19.8	36	7.4	34	15.1	21	6.4	44	10.7	1	32.6	34
South Carolina	17.2	16	22.3	12	26.3	18	29.1	4	22.5	15	8.8	14	12.8	38	10.3	3	6.6	50	38.7	12
South Dakota	12.8	42	14.0	38	22.5	35	25.5	19	19.8	36	8.5	19	18.0	5	6.4	44	7.3	36	23.7	52
Tennessee	19.5	9	16.1	30	33.1	3	27.4	8	26.7	3	9.9	7	8.6	52	9.1	7	7.7	31	38.2	13
Texas	19.8	8	32.7	2	27.4	12	27.0	11	20.0	32	8.5	19	14.3	28	7.9	20	6.8	47	38.1	15
Utah	13.0	39	17.1	26	18.5	50	21.2	45	11.5	52	5.6	50	8.3	53	5.5	51	8.0	25	30.3	39
Vermont	11.5	51	14.2	37	19.2	47	20.2	50	19.3	39	7.4	34	15.8	16	6.0	48	9.8	5	33.6	31
Virgin Islands	16.1	22	33.1	1	30.0	8	25.6	18	8.1	53	4.2	53	11.3	44	8.4	13	4.4	53	62.5	2
Virginia	13.3	34	12.8	42	21.3	44	25.1	23	20.6	25	8.1	25	12.2	41	6.9	34	8.7	17	32.9	32
Washington	13.4	33	17.1	26	17.4	51	23.3	35	17.6	47	6.9	42	13.8	35	6.3	47	9.2	8	32.1	36
West Virginia	24.7	2	22.2	14	28.5	11	30.6	3	26.7	3	13.7	1	9.1	51	10.4	2	9.2	8	36.2	21
Wisconsin	12.1	48	12.2	46	18.7	48	24.4	26	20.7	24	6.9	42	22.1	1	6.6	40	9.2	8	28.1	46
Wyoming	13.0	39	21.0	16	22.0	40	24.2	29	21.3	21	6.8	47	14.4	27	6.5	41	7.8	29	26.9	49
US Total	16.7		18.8		25.5		24.5		20.4		8.3		14.2		7.8		7.9		36.6	

Source: Centers for Disease Control & Prevention - 2005 Behavioral Risk Factor Data; West Virginia Health Statistics Center, 2006.

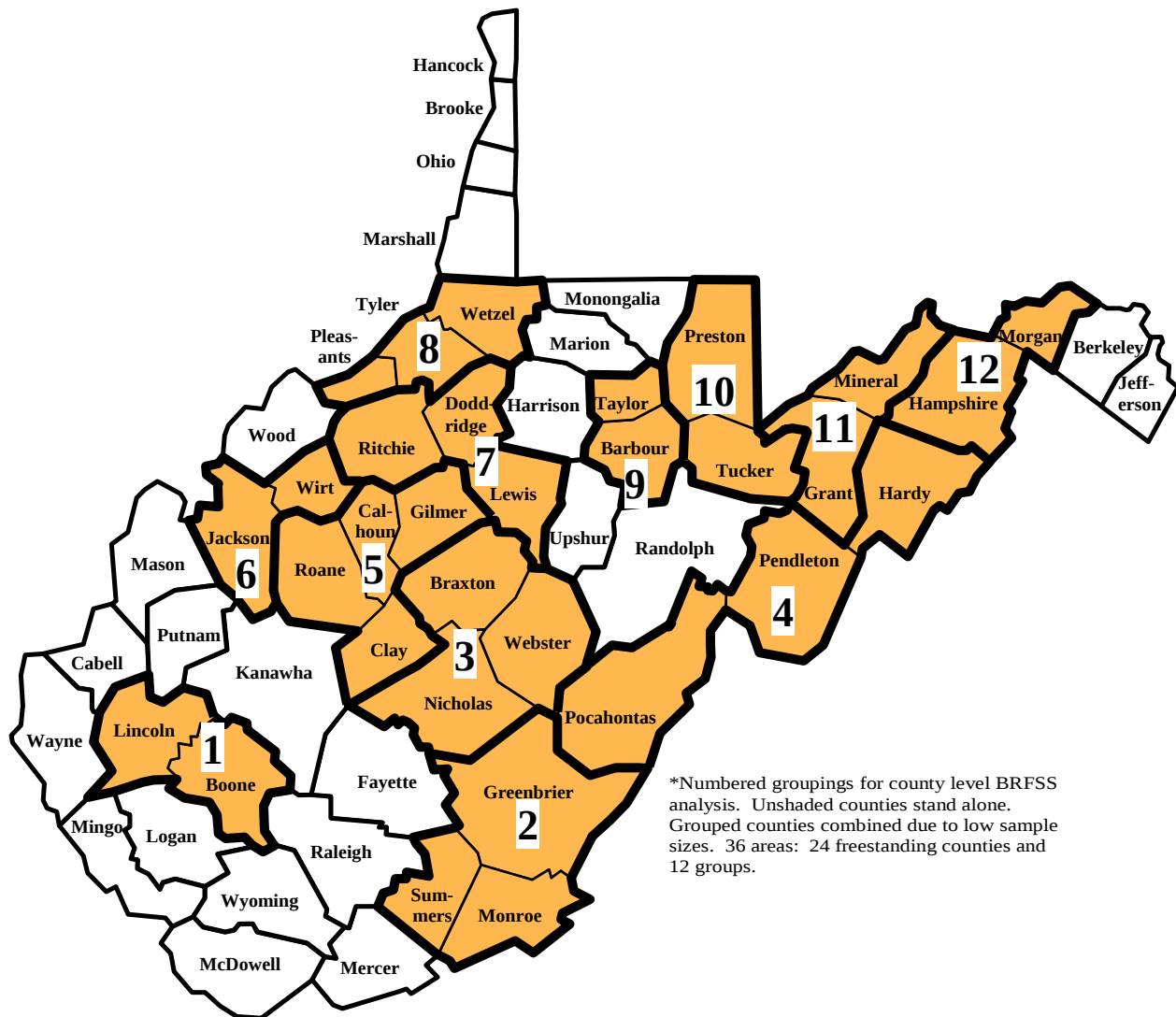
a. 53 states/territories conducted the survey. States/territories with the same prevalence share the same rank.

b. Influenza immunization was measured by questions about either a flu shot or a flu vaccine sprayed in the nose. Before 2004, this measure included only the flu shot question.

Appendix K

Groupings for County Level Analysis for Years 2001-2005

West Virginia Behavioral Risk Factor Surveillance System



Group	Counties
1	Boone and Lincoln
2	Greenbrier, Summers, and Monroe
3	Braxton, Nicholas, and Webster
4	Hardy, Pendleton, and Pocahontas
5	Calhoun, Clay, Gilmer, and Roane
6	Jackson and Wirt
7	Doddridge, Lewis, and Ritchie
8	Pleasants, Tyler, and Wetzel
9	Barbour and Taylor
10	Preston and Tucker
11	Grant and Mineral
12	Hampshire and Morgan

Appendix L

2001-2005 WV Behavioral Risk Factors and Health Conditions by County

County	Fair or Poor Health			No Health Insurance Ages 18-64			No Leisure Exercise			Obesity			Cigarette Smoking			Smokeless Tobacco Use ^a			Binge Drinking		
	%	Rank	Sig.*	%	Rank	Sig.*	%	Rank	Sig.*	%	Rank	Sig.*	%	Rank	Sig.*	%	Rank	Sig.*	%	Rank	Sig.*
Individual Counties																					
Berkeley	19.0	31	L / h	19.2	29	l / h	32.0	9	h / H	28.9	14	h / H	30.2	13	h / H	9.9	33	L / na	8.5	23	I / L
Brooke	21.0	27	l / h	20.8	22	l / h	29.9	14	h / h	28.2	15	h / h	31.8	8	h / h	17.7 ^b	18	h / na	17.3	3	h / h
Cabell	21.7	24	l / H	22.4	19	l / h	21.1	35	L / l	24.6	31	l / h	24.5	32	l / h	9.7	34	L / na	14.2	5	H / l
Fayette	28.6	9	h / H	26.9	11	h / H	31.8	11	h / H	31.3	6	h / H	30.5	12	h / H	19.4	14	h / na	9.6	16	I / L
Hancock	19.8	29	l / h	15.3	36	L / l	24.2	31	l / l	25.8	26	l / h	27.6	19	h / h	7.1 ^b	35	L / na	12.9	6	h / l
Harrison	18.4	33	L / h	24.9	13	h / H	26.4	23	l / h	25.5	28	l / h	27.8	17	h / H	17.5	20	h / na	10.1	13	I / L
Jefferson	16.4	35	L / h	16.5	35	L / l	21.7	34	L / l	30.4	8	h / H	28.5	15	h / H	6.7 ^b	36	L / na	10.4	11	h / L
Kanawha	19.7	30	L / h	18.0	32	L / l	26.6	21	l / h	27.3	20	l / H	25.8	24	l / H	12.5	31	L / na	12.3	8	h / L
Logan	34.0	4	H / H	30.3	5	h / H	32.4	8	h / H	40.4	1	H / H	30.6	11	h / h	17.9	17	h / na	8.3	25	I / L
McDowell	45.0	1	H / H	35.2	1	H / H	36.0	3	H / H	30.4	8	h / H	32.5	6	h / H	19.3	15	h / na	3.7 ^b	36	L / L
Marion	23.0	19	l / H	23.7	16	h / h	27.8	20	l / h	27.0	21	l / h	25.5	27	l / h	15.1	26	l / na	9.9	14	I / L
Marshall	21.3	25	l / h	20.0	25	l / h	26.3	24	l / h	22.8	34	l / l	31.5	9	h / H	13.6	28	l / na	12.8	7	h / l
Mason	24.5	18	h / H	19.9	26	l / h	30.6	13	h / h	31.9	5	h / H	35.5	3	h / H	23.5 ^b	7	h / na	9.5 ^b	17	l / l
Mercer	27.6	13	h / H	25.9	12	h / H	28.9	18	h / h	22.9	33	l / h	25.6	26	l / h	17.2	21	h / na	6.5	32	L / L
Mingo	37.5	2	H / H	32.4	2	H / H	46.9	1	H / H	34.0	3	h / H	35.8	2	H / H	16.2	23	l / na	4.9 ^b	34	L / L
Monongalia	15.3	36	L / l	19.4	28	l / h	17.0	36	L / L	23.2	32	l / h	22.6	35	L / h	13.6	28	l / na	16.5	4	H / h
Ohio	18.5	32	L / h	17.4	34	l / l	25.8	26	l / h	22.8	34	l / h	31.9	7	h / H	10.9 ^b	32	l / na	17.7	1	H / h
Putnam	21.2	26	l / H	17.9	33	l / l	26.3	24	l / h	22.4	36	L / l	24.8	31	l / h	15.3	24	l / na	9.2	19	I / L
Raleigh	29.1	8	H / H	23.9	15	h / H	28.6	19	h / h	25.5	28	l / h	27.5	20	l / H	22.6	9	h / na	6.1	33	L / L
Randolph	26.7	14	h / H	24.0	14	h / h	29.3	15	h / h	25.4	30	l / h	25.0	30	l / h	26.3 ^b	4	h / na	6.8	31	I / L
Upshur	21.9	23	l / h	23.1	17	h / h	25.0	29	l / h	28.0	16	h / h	29.1	14	h / h	20.3	13	h / na	6.9	30	I / L
Wayne	28.6	9	h / H	22.2	21	l / h	32.0	9	h / H	29.1	13	h / H	31.5	9	h / H	14.4	27	l / na	8.3	25	I / L
Wood	18.3	34	L / h	22.4	19	l / h	23.8	33	L / l	26.8	23	l / H	25.3	29	l / h	12.6	30	l / na	10.8	10	h / L
Wyoming	37.4	3	H / H	29.8	7	h / H	37.6	2	H / H	27.5	18	l / h	39.7	1	H / H	22.6	9	h / na	4.9 ^b	34	L / L
Grouped Counties^c																					
Boone, Lincoln	32.3	5	H / H	27.5	10	h / H	34.1	5	H / H	34.1	2	H / H	34.2	5	H / H	17.1	22	h / na	9.0	20	I / L
Greenbrier, Summers, Monroe	29.8	7	H / H	27.9	9	h / H	33.8	7	H / H	29.3	12	h / H	27.1	21	l / H	23.5	7	h / na	7.6	28	I / L
Braxton, Nicholas, Webster	30.5	6	H / H	30.0	6	H / H	33.9	6	h / H	30.0	10	h / H	26.1	23	l / h	28.3	2	H / na	7.0	29	I / L
Hardy, Pendleton, Pocahontas	22.7	20	l / H	19.7	27	l / h	24.2	31	l / l	25.8	26	l / h	23.9	34	l / h	27.1	3	h / na	9.7	15	I / L
Calhoun, Clay, Gilmer, Roane	28.6	9	h / H	31.5	3	H / H	35.1	4	H / H	27.4	19	l / h	34.5	4	H / H	37.0	1	H / na	10.3	12	h / L
Jackson, Wirt	28.6	9	h / H	20.3	23	l / h	29.0	17	h / h	26.9	22	l / h	26.9	22	l / h	21.0	12	h / na	8.8	21	I / L
Doddridge, Lewis, Ritchie	25.0	15	h / H	19.1	30	l / h	31.5	12	h / h	28.0	16	h / h	25.4	28	l / h	19.1	16	h / na	8.6	22	I / L
Pleasants, Tyler, Wetzel	20.5	28	l / h	20.1	24	l / h	25.6	27	l / h	29.6	11	h / H	24.4	33	l / h	24.2	6	h / na	8.1	27	I / L
Barbour, Taylor	25.0	15	h / H	31.5	3	h / H	29.3	15	h / h	30.9	7	h / H	21.6	36	l / l	21.6	11	h / na	9.5	17	I / L
Preston, Tucker	24.9	17	h / H	29.1	8	h / H	25.4	28	l / h	32.4	4	h / H	25.7	25	l / h	24.6	5	h / na	8.5	23	I / L
Grant, Mineral	22.6	21	l / H	18.5	31	l / h	26.6	21	l / h	26.7	24	l / h	27.7	18	h / h	15.3	24	l / na	12.2	9	h / l
Hampshire, Morgan	22.2	22	l / H	22.5	18	l / h	24.9	30	l / h	26.1	25	l / h	28.0	16	h / H	17.6	19	h / na	17.4	2	H / h
WV / US 2003 / WV vs US	24.3	16.2	H	22.8	18.2	H	28.2	24.6	H	27.7	22.8	H	27.5	22.2	H	16.9	NA	NA	10.1	15.8	L

Source: Centers for Disease Control & Prevention - 1999-2005 Behavioral Risk Factor Data; West Virginia Health Statistics Center, 2006.

a. Data only available for limited years: Smokeless Tobacco Use (2000-2004); Hypertension, High Cholesterol (2001-2003, 2005); Arthritis (1999, 2001, 2003, 2005).

b. Unreliable prevalence estimate - use caution when reporting and interpreting.

c. Some counties were grouped to obtain an adequate sample size for analysis. For these counties, the prevalence, rank, and significance are representative of the combined counties. Individual county estimates are not available for these grouped counties.

Note: Counties with the same prevalence share the same rank.

*** Sig. = County estimate vs WV / vs US 2003.**

H - Significantly higher.

h - Higher but not significant.

l - Lower but not significant.

L - Significantly lower.

Appendix L, continued **2001-2005 WV Behavioral Risk Factors and Health Conditions by County**

County	Diabetes			Hypertension ^a			High Cholesterol ^a			Heart Attack, Angina or Stroke			Current Asthma			Arthritis ^a		
	%	Rank	Sig.*	%	Rank	Sig.*	%	Rank	Sig.*	%	Rank	Sig.*	%	Rank	Sig.*	%	Rank	Sig.*
Individual Counties																		
Berkeley	8.0	33	l / h	26.2	33	L / h	36.6	26	l / h	11.2	28	l / na	9.9	14	h / h	26.9	34	L / l
Brooke	13.2	2	h / H	34.4	15	h / H	42.9	9	h / h	12.3	20	l / na	7.5	29	l / l	30.9	28	l / h
Cabell	8.8	27	l / h	28.8	30	l / h	36.2	29	l / h	12.9	15	l / na	8.9	18	l / h	35.9	13	h / H
Fayette	9.8	18	l / h	29.6	26	l / h	35.7	30	l / h	12.5	18	l / na	8.3	24	l / h	33.8	20	l / H
Hancock	8.3	32	l / h	23.1	35	L / l	34.2	32	l / h	11.7	25	l / na	10.1	12	h / h	29.0	32	l / h
Harrison	8.8	27	l / h	33.0	19	h / H	35.1	31	l / h	10.4	31	l / na	8.6	20	l / h	32.0	24	l / H
Jefferson	9.8	18	l / h	26.4	32	L / h	25.4	36	L / L	8.2	36	L / na	10.6	9	h / h	28.6	33	l / h
Kanawha	10.3	13	h / H	33.1	18	h / H	40.5	16	h / H	12.2	21	l / na	8.1	25	l / h	30.5	29	l / H
Logan	11.0	10	h / h	38.4	3	h / H	44.7	3	h / H	17.6	2	h / na	11.7	4	h / h	41.6	3	h / H
McDowell	16.0	1	H / H	41.1	2	h / H	48.2	1	h / H	17.6	2	h / na	12.7	1	h / H	47.8	1	H / H
Marion	6.5	36	L / l	30.7	24	l / h	31.3	34	L / l	9.5	34	L / na	10.8	8	h / h	31.7	25	l / h
Marshall	10.4	12	h / h	29.1	28	l / h	39.0	20	l / h	10.9	29	l / na	7.4	30	l / l	32.7	21	l / h
Mason	11.1	8	h / h	29.5	27	l / h	37.9	21	l / h	13.7	11	h / na	7.3	31	l / l	36.8	11	h / H
Mercer	12.2	3	h / H	36.1	7	h / H	40.1	17	h / H	15.4	7	h / na	10.1	12	h / h	35.9	13	h / H
Mingo	11.9	4	h / H	42.9	1	H / H	39.9	19	h / h	17.6	2	h / na	12.7	1	h / H	44.4	2	H / H
Monongalia	6.8	35	L / l	21.8	36	L / l	29.9	35	L / l	8.6	35	L / na	9.2	15	h / h	18.3	36	L / L
Ohio	9.8	18	l / h	28.5	31	l / h	37.9	21	l / h	14.5	8	h / na	8.6	20	l / h	31.5	26	l / h
Putnam	10.0	15	l / h	33.7	16	h / H	37.6	24	l / h	11.3	27	l / na	7.9	27	l / h	26.2	35	L / l
Raleigh	10.9	11	h / H	35.2	14	h / H	37.1	25	l / h	14.5	8	h / na	11.0	6	h / H	38.3	6	h / H
Randolph	9.4	25	l / h	35.5	10	h / H	34.0	33	l / h	14.3	10	h / na	7.0	34	l / l	32.4	22	l / h
Upshur	9.7	21	l / h	23.6	34	L / l	40.8	15	h / h	9.6	33	l / na	6.5	35	l / l	31.5	26	l / h
Wayne	9.7	21	l / h	35.4	12	h / H	43.2	8	h / H	12.7	17	l / na	8.6	20	l / h	34.4	18	h / H
Wood	9.9	16	l / h	31.8	21	l / H	36.3	27	l / h	12.2	21	l / na	7.3	31	l / l	34.0	19	h / H
Wyoming	9.6	23	l / h	36.2	6	h / H	43.3	7	h / h	23.5	1	H / na	8.6	20	l / h	37.6	9	h / H
Grouped Counties^c																		
Boone, Lincoln	11.6	5	h / H	38.1	4	h / H	44.0	4	h / H	15.8	6	h / na	11.2	5	h / H	38.6	5	h / H
Greenbrier, Summers, Monroe	10.3	13	h / h	36.3	5	h / H	42.2	12	h / H	16.2	5	h / na	9.0	17	l / h	38.2	7	h / H
Braxton, Nicholas, Webster	11.3	6	h / H	33.4	17	h / H	37.8	23	l / h	13.6	12	h / na	9.1	16	l / h	32.3	23	l / h
Hardy, Pendleton, Pocahontas	7.0	34	l / l	32.8	20	h / h	43.4	6	h / H	10.0	32	l / na	7.6	28	l / l	30.0	30	l / h
Calhoun, Clay, Gilmer, Roane	9.9	16	l / h	35.6	9	h / H	42.0	13	h / H	11.9	24	l / na	12.7	1	h / H	36.3	12	h / H
Jackson, Wirt	8.8	27	l / h	31.3	23	l / h	42.8	10	h / H	13.2	13	h / na	7.2	33	l / l	35.4	16	h / H
Doddridge, Lewis, Ritchie	8.7	30	l / h	35.4	12	h / H	43.9	5	h / H	13.0	14	l / na	11.0	6	h / h	40.6	4	h / H
Pleasants, Tyler, Wetzel	11.1	8	h / h	31.6	22	l / h	41.2	14	h / h	11.5	26	l / na	10.5	10	h / h	35.5	15	h / H
Barbour, Taylor	11.3	6	h / h	35.7	8	h / H	42.7	11	h / H	12.2	21	l / na	8.1	25	l / h	37.1	10	h / H
Preston, Tucker	8.5	31	l / h	29.0	29	l / h	36.3	27	l / h	10.7	30	l / na	8.9	18	l / h	37.8	8	h / H
Grant, Mineral	9.2	26	l / h	35.5	10	h / H	46.7	2	h / H	12.9	15	l / na	10.5	10	h / h	35.2	17	h / H
Hampshire, Morgan	9.5	24	l / h	30.7	24	l / h	40.0	18	h / h	12.4	19	l / na	5.8 L	36	L / l	29.7	31	l / h
WV / US 2003 / WV vs US	10.0	7.5	H	32.6	25.8	H	39.1	33.6	H	13.0	NA	NA	9.2	7.7	H	33.9	27.1	H

Source: Centers for Disease Control & Prevention - 1999-2005 Behavioral Risk Factor Data; West Virginia Health Statistics Center, 2006.

a. Data only available for limited years: Smokeless Tobacco Use (2000-2004); Hypertension, High Cholesterol (2001-2003, 2005); Arthritis (1999, 2001, 2003, 2005).

b. Unreliable prevalence estimate - use caution when reporting and interpreting.

c. Some counties were grouped to obtain an adequate sample size for analysis. For these counties, the prevalence, rank, and significance are representative of the combined counties. Individual county estimates are not available for these grouped counties.

Note: Counties with the same prevalence share the same rank.

* Sig. = County estimate vs WV / vs US 2003.

H - Significantly higher.

h - Higher but not significant.

l - Lower but not significant.

L - Significantly lower.