

Appendix A

Behavioral Risk Factor Prevalences by Year West Virginia Behavioral Risk Factor Surveys 1997-2003

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

Source: Centers for Disease Control & Prevention - 1997-2003 Behavioral Risk Factor Data; West Virginia Health Statistics Center, 2005.

-- Prevalence / rank not available

^a Hypertension: 13 states 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 years 1996 and 1997, prior publications 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: 17 states in 1997; 13-1998; 19-1999; 18-2000; 15-2001; 15-2002; 12-2003.

^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, prior publications 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 in 1998.

NOTE: Figures in Appendix A may not agree with prior publications. 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 prior publications. 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 current 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 prior publications. 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 current 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.

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	

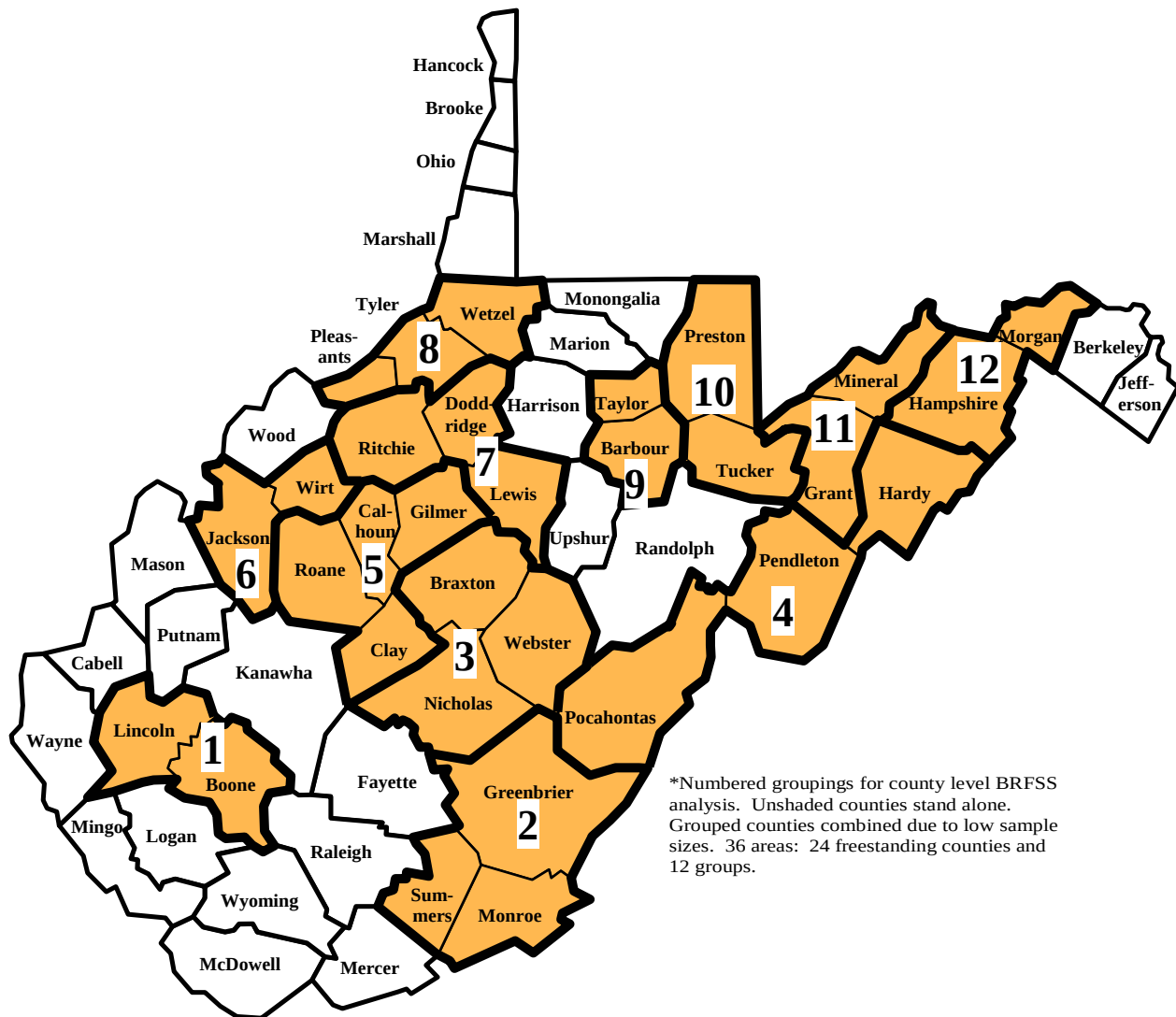
Source: Centers for Disease Control & Prevention - 2003 Behavioral Risk Factor Data; West Virginia Health Statistics Center, 2005.

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

Appendix I

Groupings for County Level Analysis for Years 1999-2003

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 J

1999-2003 WV Behavioral Risk Factors by County

County	Fair or Poor Health		No Health Insurance, Ages 18-64		Diabetes Awareness		Obesity		No Leisure Exercise [†]		Cigarette Smoking		Binge Drinking [†]		Heavy Drinking [†]		Hypertension Awareness [†]		Asthma [†]		Arthritis [†]	
	%	Rank	%	Rank	%	Rank	%	Rank	%	Rank	%	Rank	%	Rank	%	Rank	%	Rank	%	Rank	%	Rank
Individual Counties																						
Berkeley	18.2	32	21.0	24	8.2	23	29.2 H	5	33.7 H	15	32.5 H	6	8.3 L	20	3.5	17	28.7	30	11.2 H	5	27.1	33
Brooke	21.1	28	15.0	36	11.7 H	2	24.7	22	35.6 H	10	31.5 H	8	18.5	1	4.3	8	31.5	21	8.0	25	31.8	26
Cabell	21.4 H	27	22.0 H	20	9.5	9	23.2	27	22.2 L	34	24.7	27	16.4	5	4.2	9	32.6 H	19	8.7	17	36.0 H	12
Fayette	32.0 H	7	25.8 H	13	8.0	27	26.6	15	34.1 H	14	30.7 H	10	7.4 L	27	3.8	13	28.0	31	7.1	28	35.2 H	16
Hancock	15.7	35	17.5	31	5.6	34	24.8	21	29.3	22	30.1 H	12	14.9	6	4.0	11	25.4	34	10.5	10	25.5	34
Harrison	21.6 H	25	25.3 H	14	8.1	25	25.9	16	28.3	24	27.8 H	20	9.6 L	18	2.5 L	25	33.9 H	15	8.7	17	33.5 H	21
Jefferson	17.4	33	16.4	34	10.5 H	7	27.1	11	24.0	33	29.4 H	13	10.7	14	4.2	9	26.2	33	9.3	14	29.2	30
Kanawha	20.5 H	29	19.2	26	9.1 H	13	26.7 H	14	26.8	31	27.4 H	22	11.8 L	10	2.6 L	24	32.7 H	18	8.3	22	27.9 H	31
Logan	35.1 H	3	33.7 H	2	7.7	30	35.7 H	1	37.5 H	5	35.5 H	2	6.6 L	30	3.8	13	35.1 H	12	8.5	20	41.2 H	3
McDowell	45.5 H	1	34.4 H	1	15.9 H	1	31.0 H	3	37.4 H	6	32.9 H	4	3.2 L	35	0.6 L	35	43.7 H	1	14.4 H	1	48.0 H	1
Marion	25.5 H	16	21.9	22	5.9	33	24.4	23	29.7	20	21.1	36	8.1 L	21	2.5 L	25	33.2 H	16	10.9	7	33.6 H	20
Marshall	22.9 H	20	16.9	32	10.9	5	24.4	23	28.3	24	30.8 H	9	12.6	8	3.3	18	29.1	29	8.5	20	29.9	29
Mason	28.2 H	10	18.5	28	9.3	10	28.5	7	27.5	29	28.9	16	7.6 L	26	2.8	21	29.3	27	6.8	29	37.5 H	8
Mercer	27.9 H	11	24.6 H	15	11.1 H	4	21.0	35	30.4	17	27.5 H	21	7.7 L	24	2.9 L	19	35.9 H	8	9.7	12	35.9 H	14
Mingo	35.5 H	2	27.5 H	9	10.1	8	29.1 H	6	44.6 H	1	33.8 H	3	4.0 L	34	2.8	21	37.4 H	4	10.8	8	42.9 H	2
Monongalia	14.0	36	17.9	30	4.7 L	35	22.2	32	18.9 L	36	22.6	34	18.1	2	7.0	2	22.5	36	8.2	23	20.2	36
Ohio	16.6	34	15.8	35	6.7	32	21.6	34	21.0 L	35	26.4	25	18.0	3	7.7	1	29.3	27	5.0	35	32.9 H	22
Putnam	22.6 H	21	16.9	32	9.2	11	25.0	19	30.3	19	22.9	33	7.7 L	24	3.6	15	34.3 H	14	8.0	25	24.4	35
Raleigh	27.9 H	11	22.3 H	19	8.3	22	27.3 H	10	32.4 H	16	30.4 H	11	4.6 L	33	2.4 L	28	36.0 H	7	8.9	15	37.2 H	10
Randolph	22.0	23	31.0 H	6	8.9	14	25.3	17	34.9	12	23.3	32	10.9	13	2.9	19	35.3 H	10	8.9	15	32.2	25
Upshur	21.6	25	31.5 H	4	4.4	36	22.6	29	30.4	17	32.2 H	7	5.8 L	32	0.9 L	34	24.0	35	6.8	29	32.7 H	23
Wayne	29.4 H	8	21.1	23	7.8	29	27.5	9	37.1 H	7	28.9 H	16	9.9	17	4.4	7	34.9 H	13	10.7	9	31.5 H	27
Wood	19.6 H	31	18.1	29	8.2	23	22.0	33	27.9	28	26.7 H	23	12.6	8	4.8	6	30.8 H	22	5.9	32	34.2 H	19
Wyoming	33.2 H	5	27.3 H	10	8.6	15	22.4	31	41.4 H	2	32.6 H	5	2.1 L	36	0.0	36	28.0	31	6.3	31	36.0 H	12
Grouped Counties*																						
Boone, Lincoln	32.4 H	6	26.4 H	12	8.4	19	31.1 H	2	39.3 H	4	39.0 H	1	11.4	12	6.0	4	38.6 H	2	11.2 H	5	38.3 H	7
Greenbrier, Summers, Monroe	26.4 H	14	26.6 H	11	8.4	19	22.6	29	34.2 H	13	24.6	28	6.4 L	31	2.0 L	29	35.2 H	11	8.7	17	38.4 H	5
Braxton, Nicholas, Webster	33.8 H	4	29.9 H	7	11.4 H	3	27.1 H	11	37.0 H	8	21.8	35	7.1 L	29	1.5 L	30	36.4 H	6	10.2	11	32.4 H	24
Hardy, Pendleton, Pocahontas	23.6 H	18	22.0	20	7.9	28	20.7	36	24.6	32	24.4	29	9.6	18	1.5 L	30	32.0	20	5.6	33	27.4	32
Calhoun, Clay, Gilmer, Roane	27.1 H	13	32.5 H	3	10.8 H	6	24.4	23	40.6 H	3	29.0 H	15	10.4	15	3.9	12	36.9 H	5	9.4	13	35.6 H	15
Jackson, Wirt	28.4 H	9	19.8	25	8.1	25	27.7	8	29.4	21	28.3	19	8.0 L	22	1.0 L	33	30.8	22	7.4	27	35.0 H	17
Doddridge, Lewis, Ritchie	25.4 H	17	24.1 H	16	8.4	19	25.2	18	36.9 H	9	29.3 H	14	11.6	11	5.8	5	35.5 H	9	11.6	2	39.3 H	4
Pleasants, Tyler, Wetzel	21.9 H	24	23.6 H	18	8.6	15	22.9	28	29.2	23	28.6	18	8.0 L	22	1.3 L	32	29.7	26	11.3	4	36.8 H	11
Barbour, Taylor	23.0 H	19	29.1 H	8	8.5	17	27.0	13	35.1 H	11	23.6	31	10.3	16	2.5 L	25	32.9	17	4.9	36	37.5 H	8
Preston, Tucker	26.4 H	14	31.2 H	5	8.5	17	30.5 H	4	28.2	26	23.7	30	7.4 L	27	2.7 L	23	30.1	25	8.1	24	38.4 H	5
Grant, Mineral	20.4	30	18.8	27	7.4	31	24.9	20	28.2	26	25.6	26	13.5	7	3.6	15	38.3 H	3	11.6 H	2	34.8 H	18
Hampshire, Morgan	22.3 H	22	24.0 H	17	9.2	11	24.1	26	27.5	29	26.7	23	17.5	4	6.4	3	30.4	24	5.2	34	30.0	28
Total WV/US	24.5 H	15.7	23.0 H	16.4	8.7 H	6.8	25.7 H	21.6	30.4 H	26.4	27.4 H	22.7	10.1 L	14.5	3.4 L	5.2	32.5 H	25.8	8.7 H	7.2	33.5 H	23.0

Source: Centers for Disease Control & Prevention - 1999-2003 Behavioral Risk Factor Data; West Virginia Health Statistics Center, 2005.

L - Significantly lower than US rate.

† Data only available for limited years: Leisure Exercise, Asthma (2000-2003); Binge Drinking, Heavy Drinking, Hypertension (1999, 2001-2003); Arthritis (1999, 2001, 2003).

H - Significantly Higher than US rate.

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

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