

## WV Division of Tobacco Prevention

\*From WV BRFSS data:

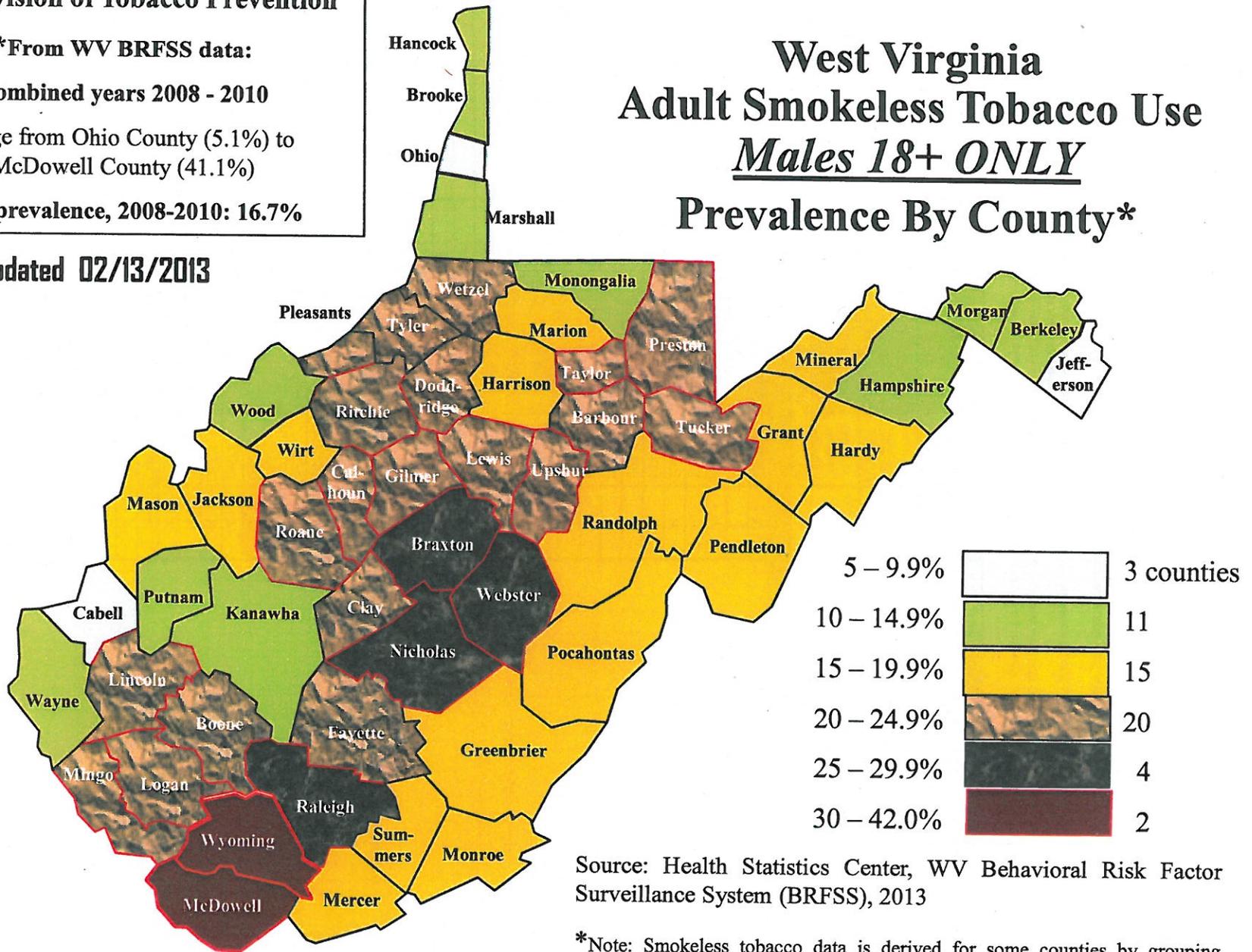
Combined years 2008 - 2010

Range from Ohio County (5.1%) to  
McDowell County (41.1%)

WV prevalence, 2008-2010: 16.7%

Updated 02/13/2013

# West Virginia Adult Smokeless Tobacco Use *Males 18+ ONLY* Prevalence By County\*



Source: Health Statistics Center, WV Behavioral Risk Factor Surveillance System (BRFSS), 2013

\*Note: Smokeless tobacco data is derived for some counties by grouping counties together to create a sample size to ensure reliable county level data.

County/County Group	Current Smokeless Tobacco Use among Adult MEN WV BRFS combined years 2008-2010									
	MEN only					WOMEN only				
	%	CI low	CI high	Average Weighted Frequency	reliable?					
Berkeley	11.2	5.9	16.5	4,278	Y					
Brooke	10.4	1.5	19.2	929	N					
Cabell	7.5	0.5	14.6	2,697	N					
Fayette	22.4	13.0	31.7	3,935	Y					
Hancock	10.1	2.2	18.0	1,135	N					
Harrison	17.9	10.4	25.4	4,486	Y					
Jefferson	7.5	0.3	14.8	1,481	N					
Kanawha	14.9	10.8	19.0	10,457	Y					
Logan	23.4	13.2	33.7	3,059	N					
McDowell	41.1	22.0	60.1	3,331	N					
Marion	14.4	7.1	21.7	3,047	Y					
Marshall	13.8	4.5	23.0	1,710	N					
Mason	12.9	4.4	21.3	1,226	N					
Mercer	17.1	10.0	24.3	3,876	Y					
Mingo	23.4	11.9	34.8	2,235	N					
Monongalia	11.7	4.5	18.9	4,421	N					
Ohio	5.9	1.0	10.8	945	N					
Putnam	10.2	4.7	15.7	2,113	Y					
Raleigh	26.6	16.9	36.2	8,107	Y					
Randolph	15.8	5.2	26.4	1,779	N					
Upshur	23.9	12.1	35.8	2,123	N					
Wayne	14.8	7.7	21.9	2,286	Y					
Wood	10.4	5.8	15.1	3,348	Y					
Wyoming	35.1	20.6	49.6	3,091	N					
Boone, Lincoln	22.9	14.3	31.6	3,995	Y					
Greenbrier, Summers, Monroe	15.5	8.8	22.2	3,528	Y					
Braxton, Nicholas, Webster	28.8	20.3	37.2	5,562	Y					
Hardy, Pendleton, Pocahontas	19.6	10.9	28.3	2,269	Y					
Calhoun, Clay, Gilmer, Roane	21.0	12.4	29.6	3,178	Y					
Jackson, Wirt	18.5	10.7	26.3	2,308	Y					
Doddridge, Lewis, Ritchie	18.2	6.8	29.6	2,414	N					
Pleasants, Tyler, Wetzel	24.4	14.3	34.4	2,986	N					
Barbour, Taylor	21.7	8.0	35.4	2,641	N					
Preston, Tucker	20.2	10.8	29.5	2,899	Y					
Grant, Mineral	16.7	7.8	25.6	2,485	Y					
Hampshire, Morgan	13.8	4.8	22.9	2,077	N					
	Smokeless tobacco use among women in WV has such a low prevalence that county data is unreliable.									
	MEN only					WOMEN only				
WV state-level data	%	CI low	CI high	Average Weighted Frequency	reliable?	%	CI low	CI high	Average Weighted Frequency	reliable?
Multi-year WV: 2008-2010	16.4	15.0	17.8	112,436	Y	0.4	0.2	0.6	3,299	Y
WV state-level data	%	CI low	CI high	Weighted Frequency	reliable?	%	CI low	CI high	Weighted Frequency	reliable?
Single Year WV: 2008	17.6	15.2	20.0	121,727	Y	0.5	0.1	0.9	4,004	N
Single Year WV: 2009	17.1	14.8	19.4	118,434	Y	0.4	0.1	0.6	2,910	N
Single Year WV: 2010	15.5	13.2	17.7	107,434	Y	0.4	0.1	0.6	2,851	N

NOTES:

1. WV BRFS current smokeless tobacco use questions: (2008) "Have you ever used or tried smokeless tobacco products, such as chewing tobacco, snuff or snus?" if YES for 2008 (and the only question for 2009, 2010), then this question is asked: "Do you currently use chewing tobacco, snuff or snus every day, some days or not at all?" Current smokeless tobacco use is defined as use every day or some days. The BRFS population is adults 18 years and older.
2. Some contiguous counties are grouped together to create a sample size large enough to produce reliable data. The prevalence (%) of this grouping cannot be applied to any single county, but applies to the collective group.
3. To calculate the weighted frequency, Vintage 2009 census data was used (U. S. Census), as a midpoint for the time frame 2008-2010. Weighted Frequency is the estimated number of smokeless tobacco users.
4. Concerning reliability, N (No) indicates that the data is not reliable due to a sample size of less than 50 people, Confidence Interval greater than 20 or RSE greater than 0.3. Interpret data with caution.