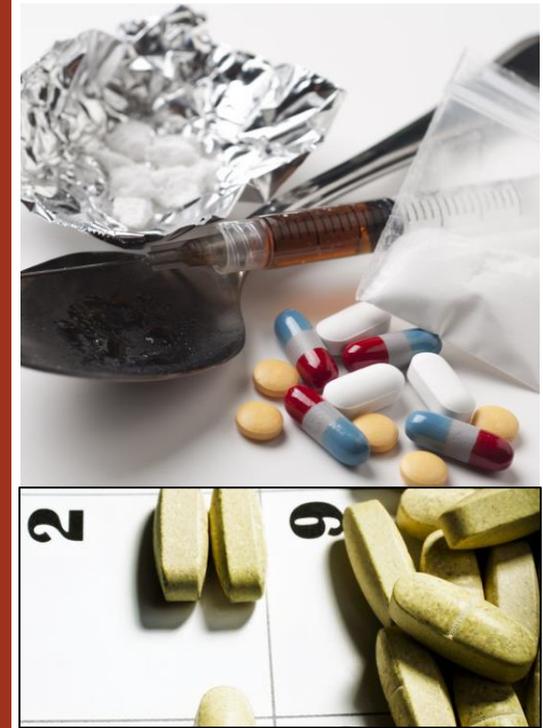


The Impact of Illicit Drug, Alcohol and other Prescription Drug Abuse: Statistics and Analysis, Past and Present

Daniel M. Christy, MPA, CPRP
Director, WV Health Statistics Center
Bureau for Public Health
Department of Health and Human
Resources

Built upon and modified from presentations by Al Mock, MD, MS, DABP, FCAP, FNAME, WV Chief Medical Examiner, Jim Kaplan, Chief Toxicologist OCME, State Registrar Gary Thomposon, HSC



WV Health Statistics

West Virginia is ranked among the bottom in state health rankings. Statistics from the DHHR Bureau for Public Health's Health Statistics Center show the following for morbidity:

50th Fair/Poor Health

50th Heart Disease

50th Heart Attack

50th Smoking

50th Smokeless Tobacco Use

50th Obesity

50th Hypertension

50th Arthritis

50th Disability

49th Chronic Obstructive Pulmonary Disease

45th Kidney Disease

44th No Physical Activity

44th Stroke

42nd Depression

41st Cancer

3rd Binge Drinking

2nd Heavy Drinking

- 2013 Behavioral Risk Factor Surveillance System

Overdoses in 2012 Vs. Auto Travel & Vietnam

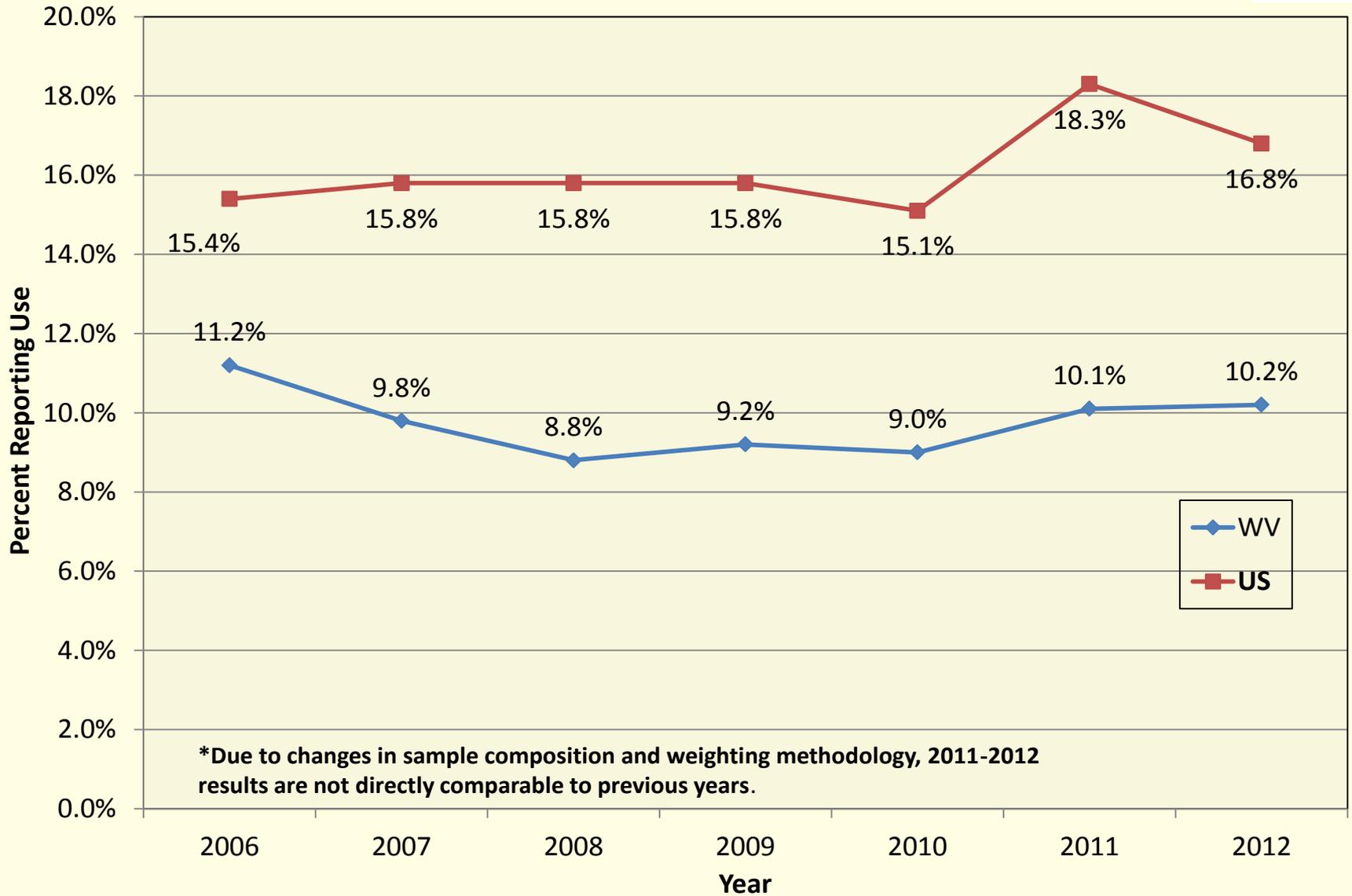
In 2012, 33,175 (79.9%) of the 41,502 drug overdose deaths in the United States were unintentional, 5,465 (13.2%) were of suicidal intent, 80 (0.2%) were homicides, and 2,782 (6.7%) were of undetermined intent.

58,220 U.S. service members died in the Vietnam conflict. This was during the period 1955 – 1975, with most of the deaths occurring between 1961 and 1973.

Thus, about every two years we are losing more Americans to accidental drug overdose deaths than we did in the 12 years of major fighting in the Vietnam war.

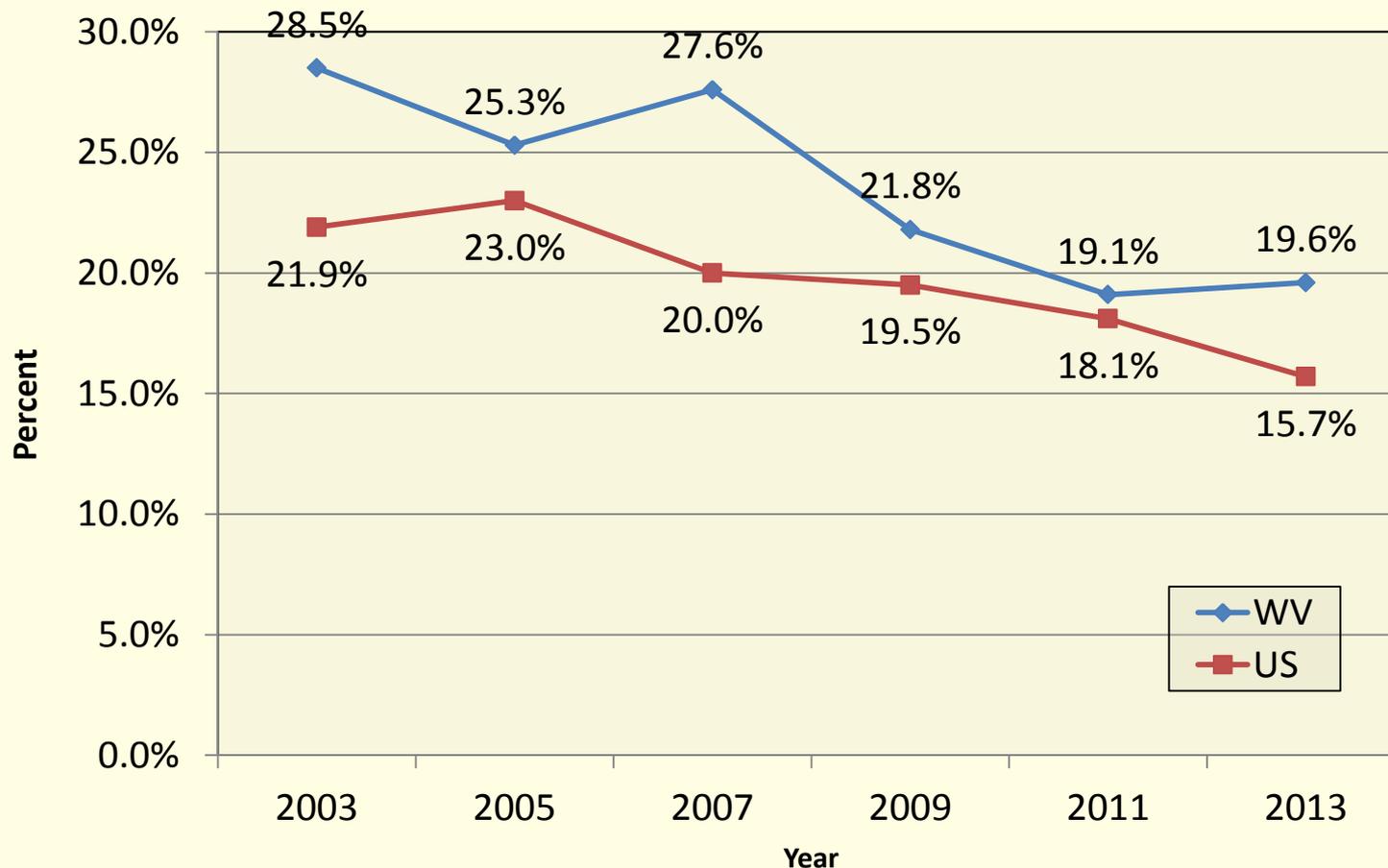
Also, US Auto travel related deaths in 2012 were 33,561 just slightly higher than accidental overdose deaths.

Binge Drinking by Year



Tobacco

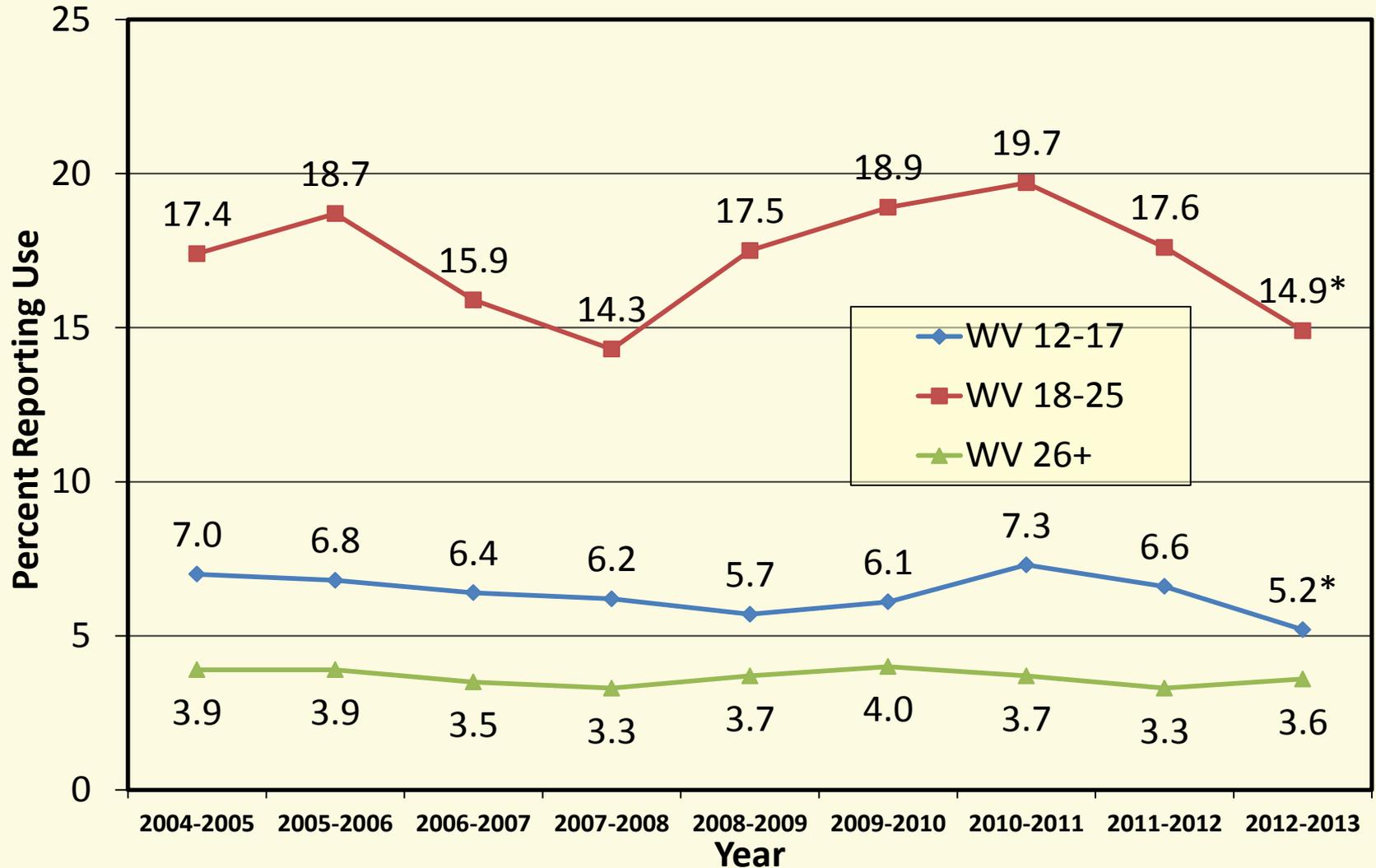
Percentage of High School Students Reporting Current Use of Cigarettes: 2003-2013*



Source: Youth Risk Behavior Survey 2013

* Difference between WV and US significant at the $p=0.05$ level.

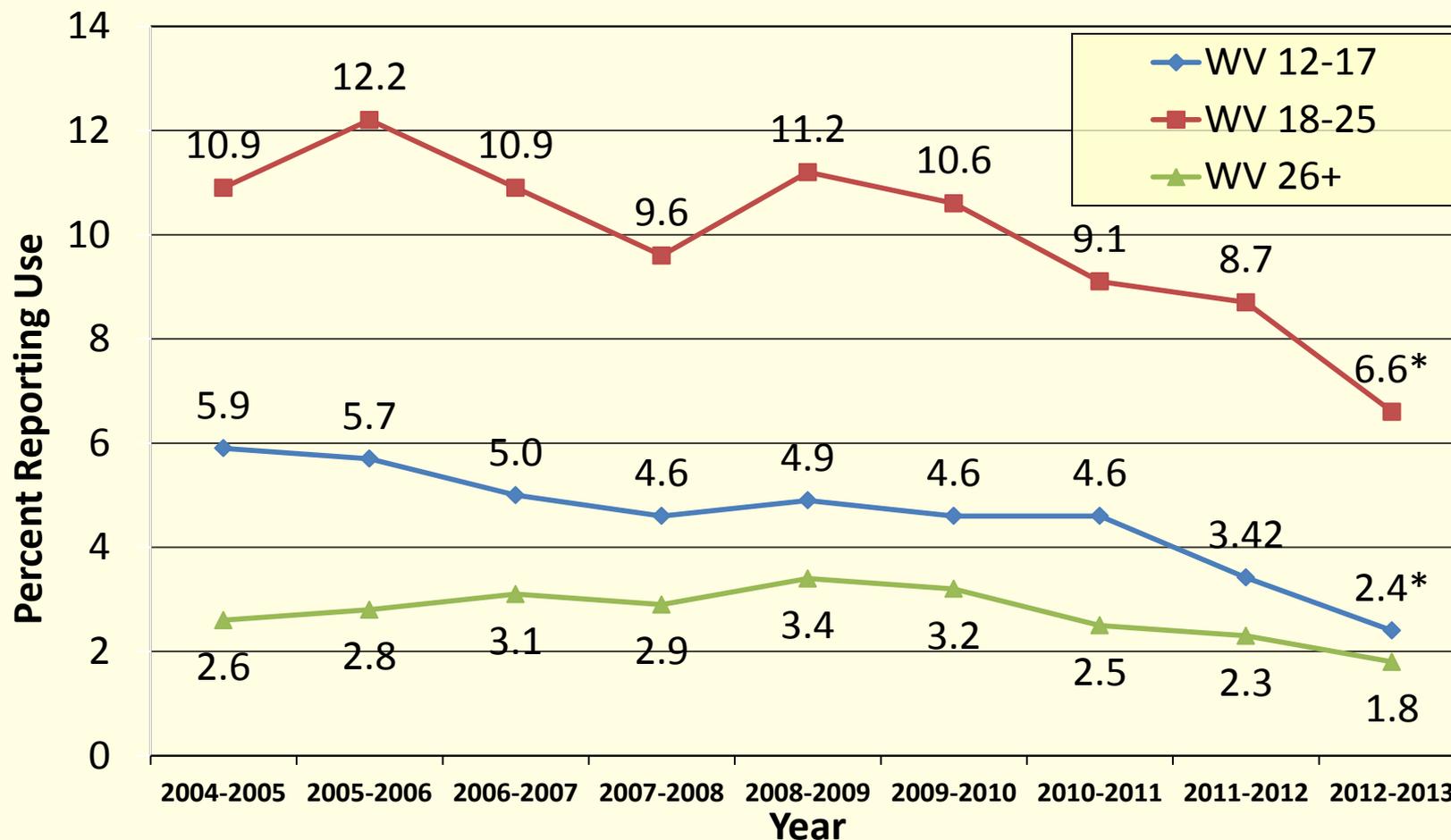
WV Marijuana Use in the Past 30 Days By Age



Source: National Survey on Drug Use and Health, 2013

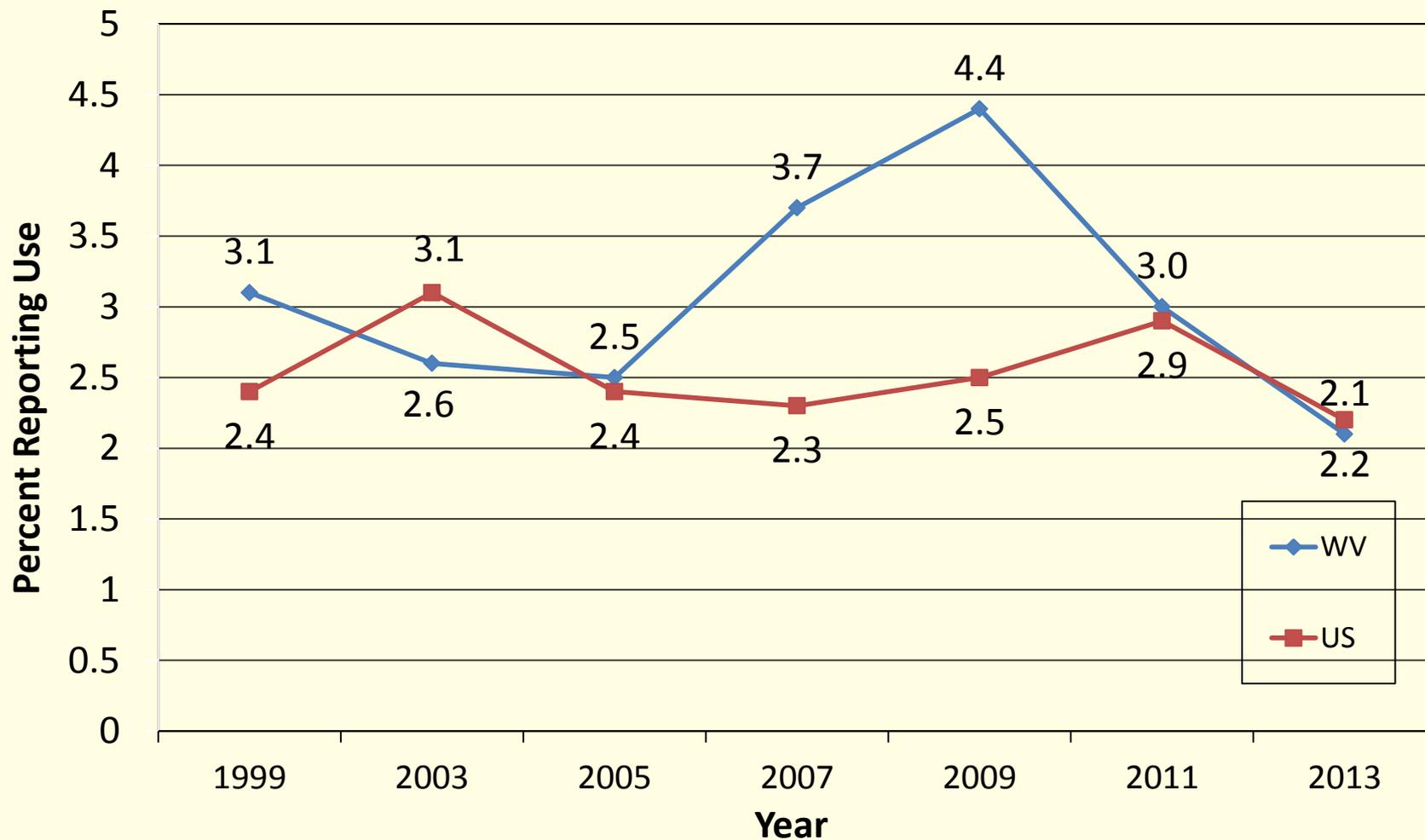
*= significant at .05 level

WV Illicit** Drug Use in the Past 30 Days



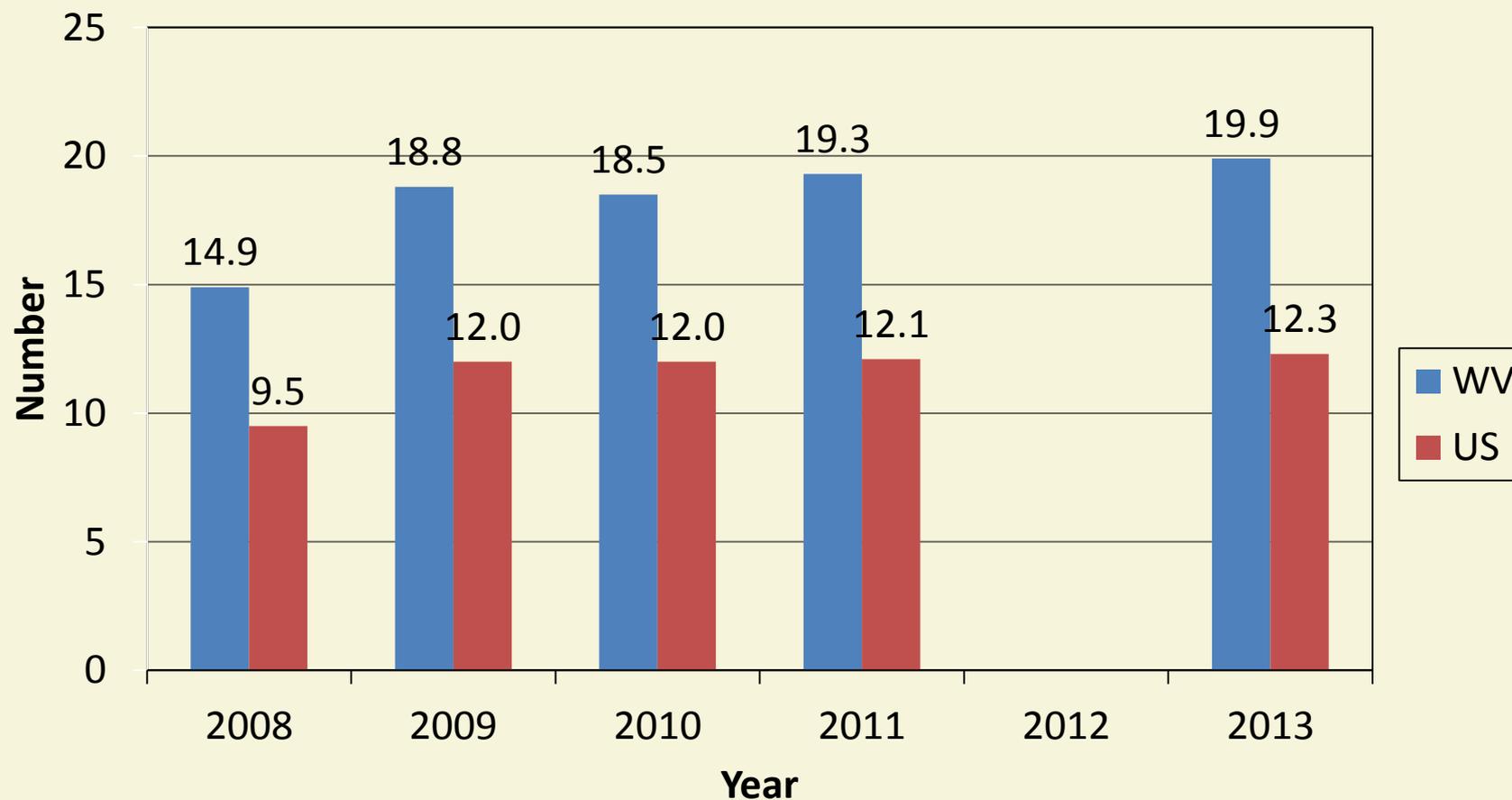
**Illicit drugs: drugs other than marijuana which include cocaine, crack, heroin, hallucinogens, inhalants, or prescription-type psychotherapeutics used non-medically, and methamphetamine.

Students Grades 9-12 Ever Using Heroin

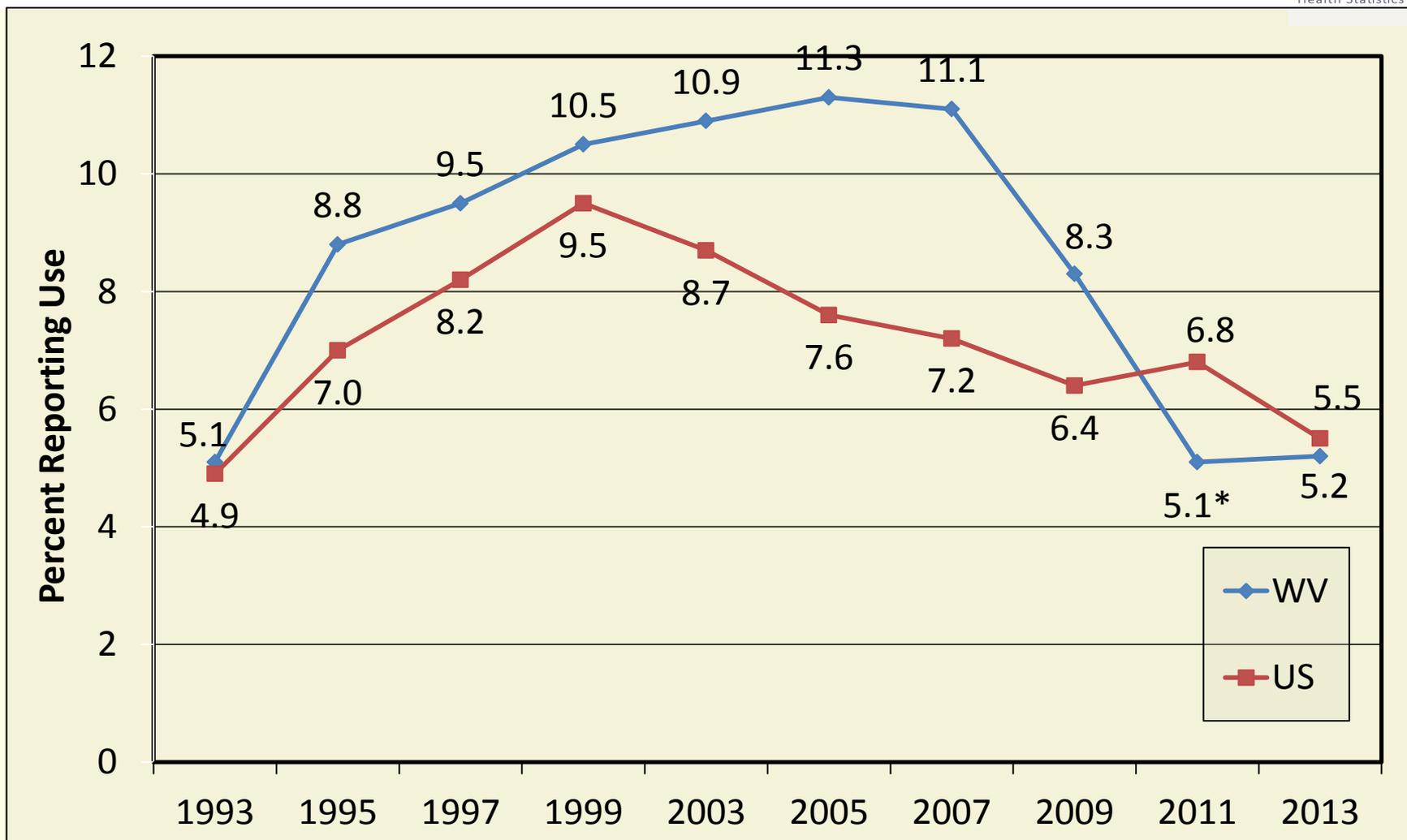


* drop from 2009 to 2013 significant at the $p=0.01$ level

Average Number of Retail Prescription Drugs Filled at Pharmacies (annual per capita)

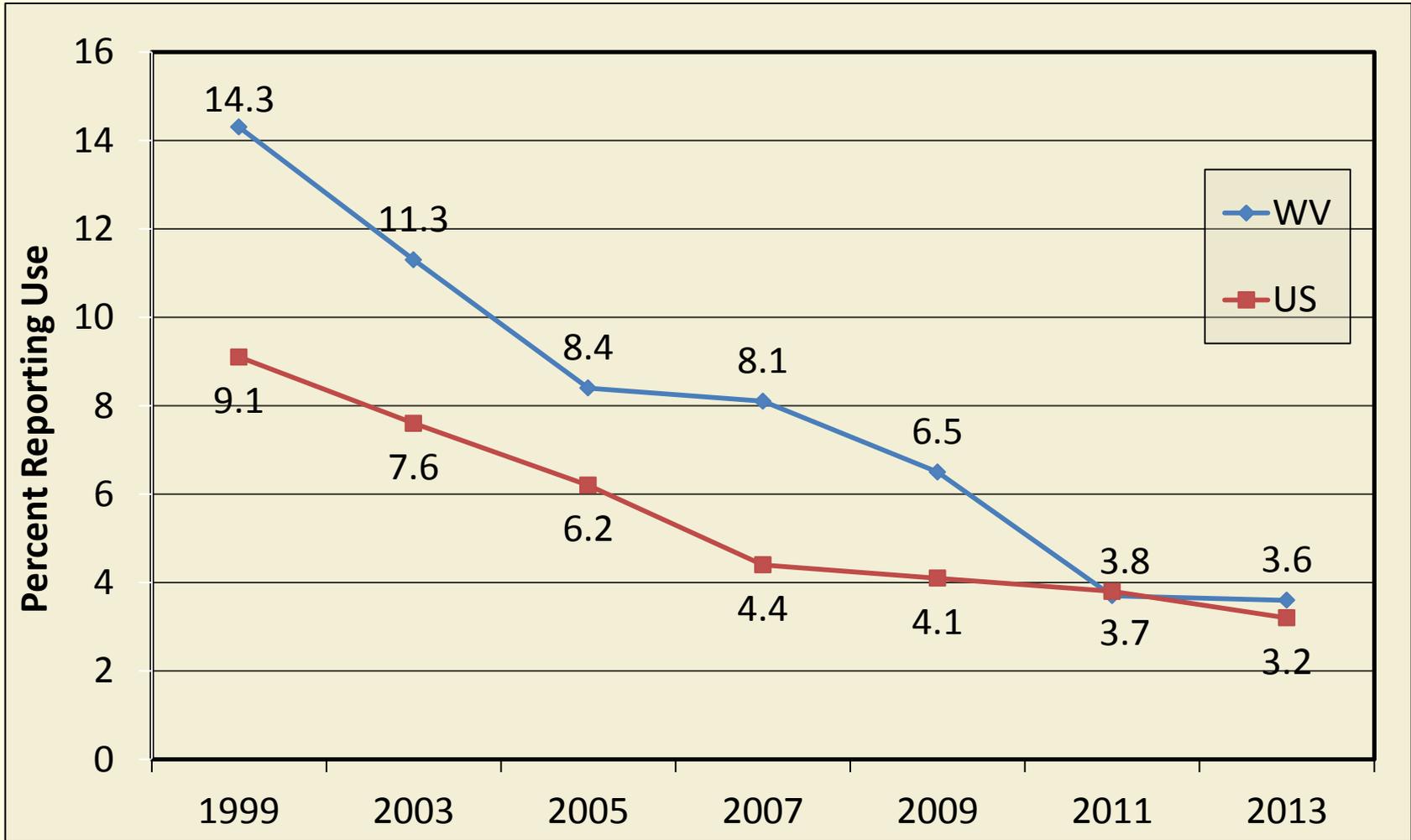


Students Grades 9-12 Ever Using Cocaine

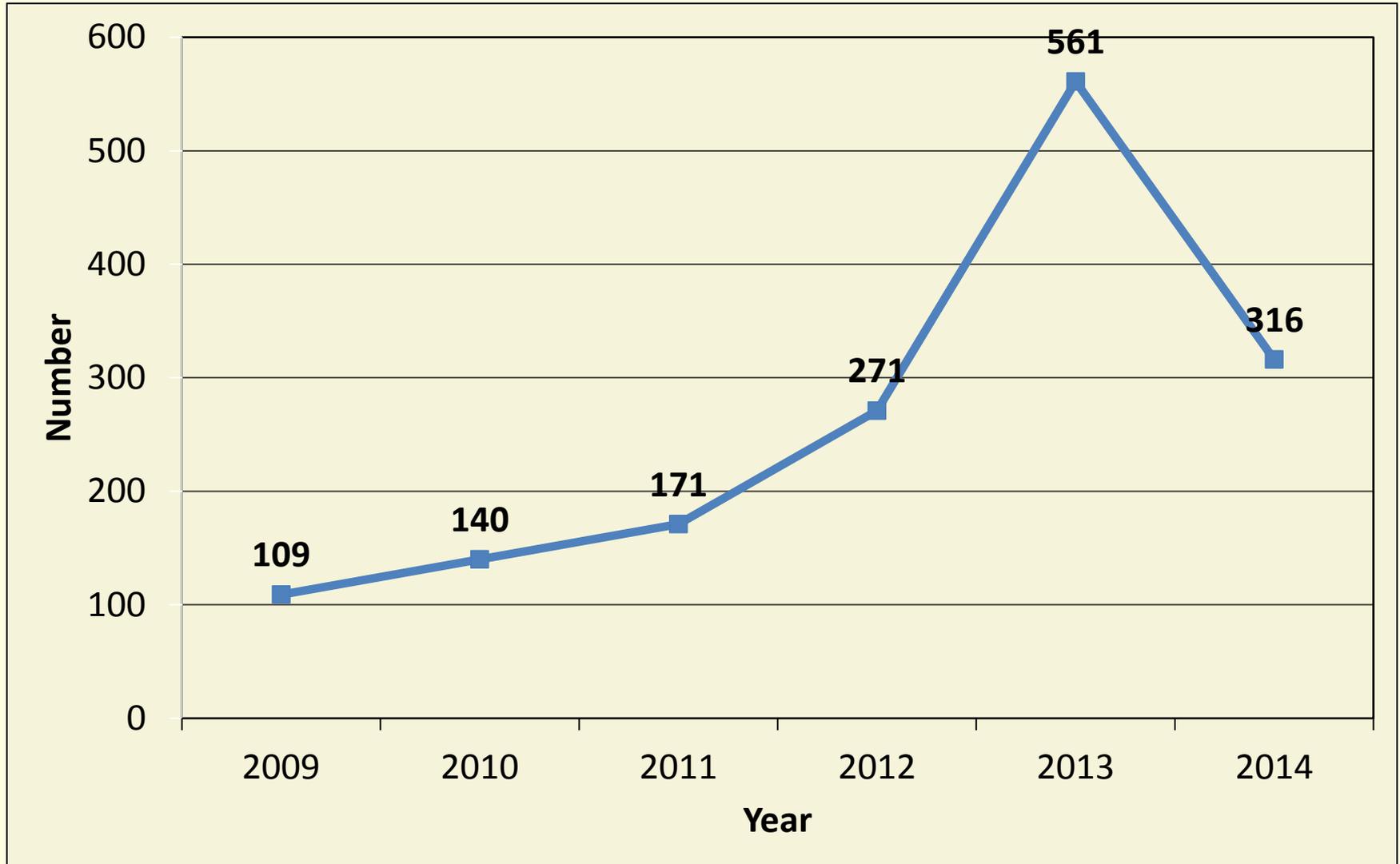


*= Statistically significant decrease from 2007 at the $p=.01$ level; decrease from 2009 significant at the $p=.05$ level

Students Grades 9-12 Ever Using Meth



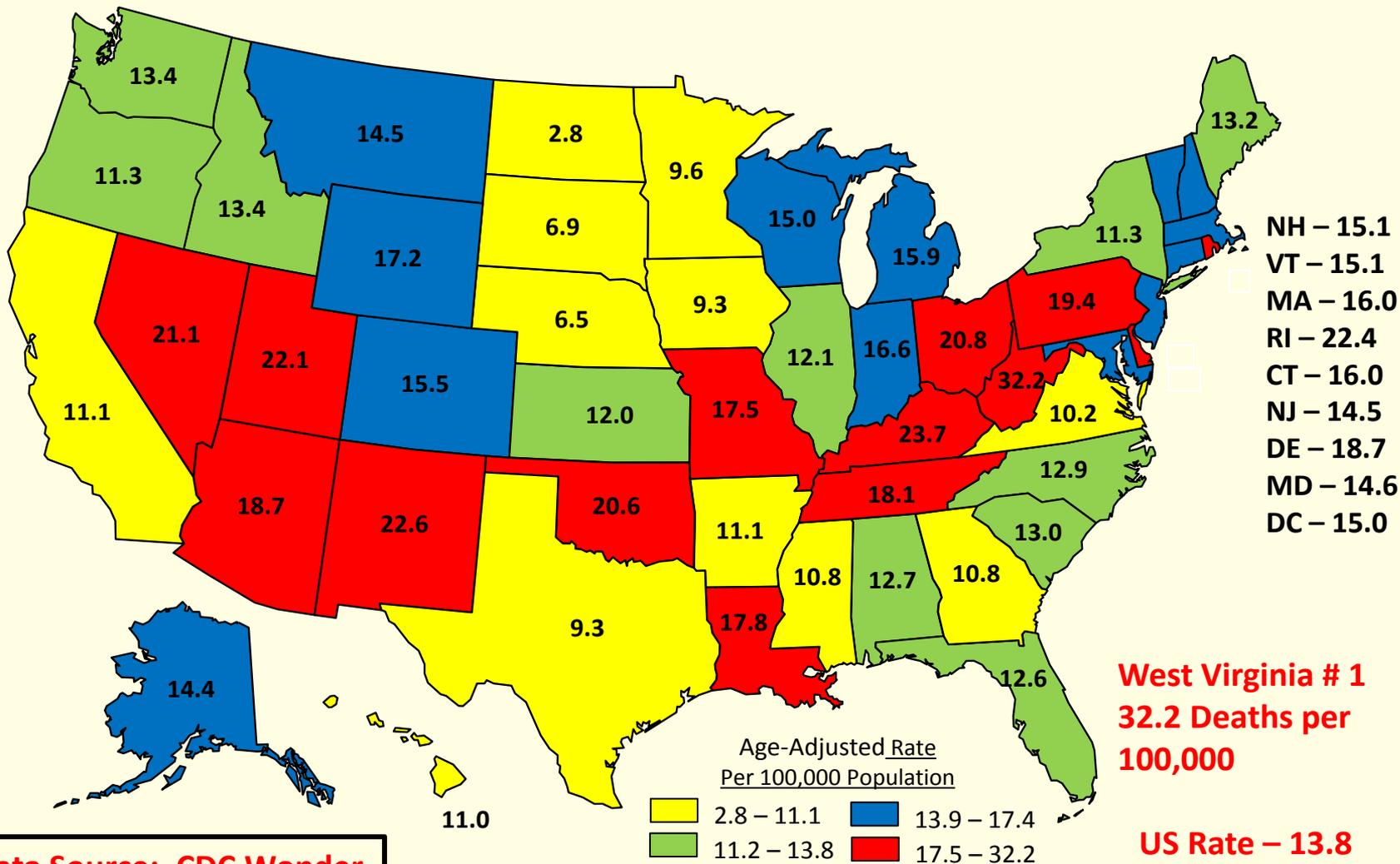
Methamphetamine Labs Reported in WV



Source: WV Bureau for Public Health, Office of Environmental Health Services

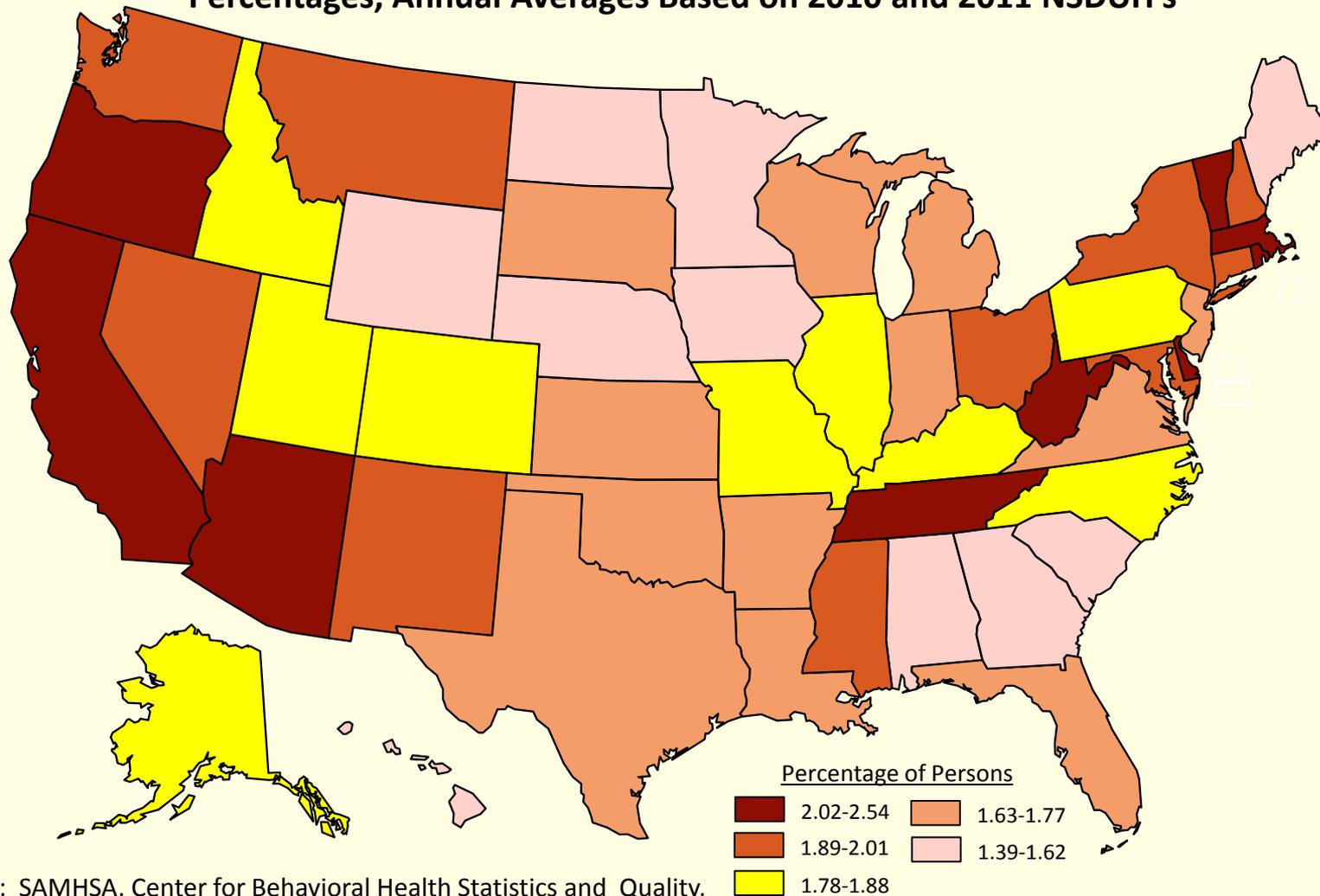
Drug Overdose Rates by State

US Resident Overdose Deaths by State, 2013



Prevalence of Illicit Drug Dependence

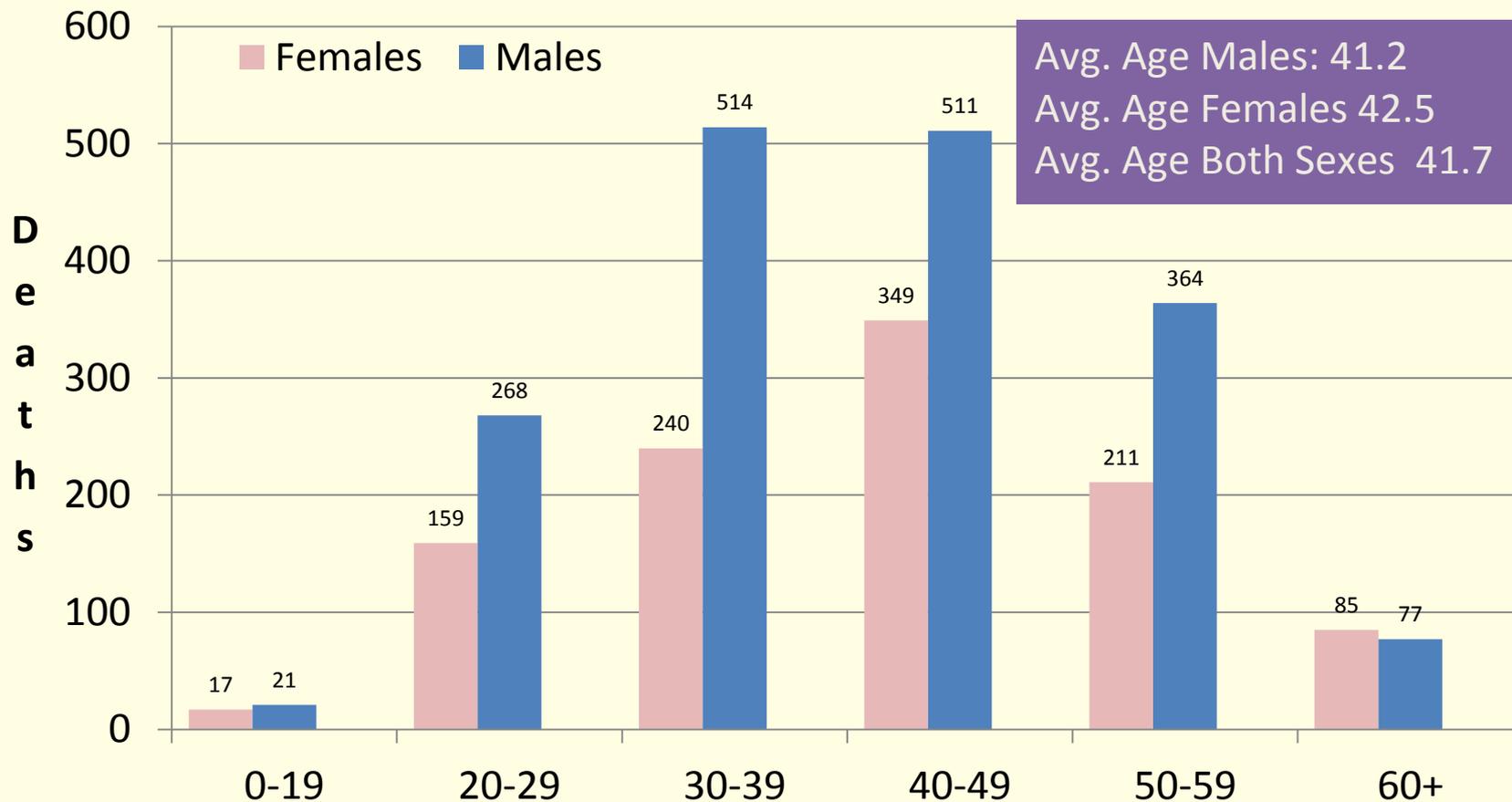
Illicit Drug Dependence in the Past Year Among Persons Aged 12 or Older by State Percentages, Annual Averages Based on 2010 and 2011 NSDUH's



Source: SAMHSA, Center for Behavioral Health Statistics and Quality, NSDUH, 2010 (Revised March 2012) and 2011

Demographic Analysis

WV Drug Overdose Deaths by Age-Group & Sex 2009-2013 Occurrences

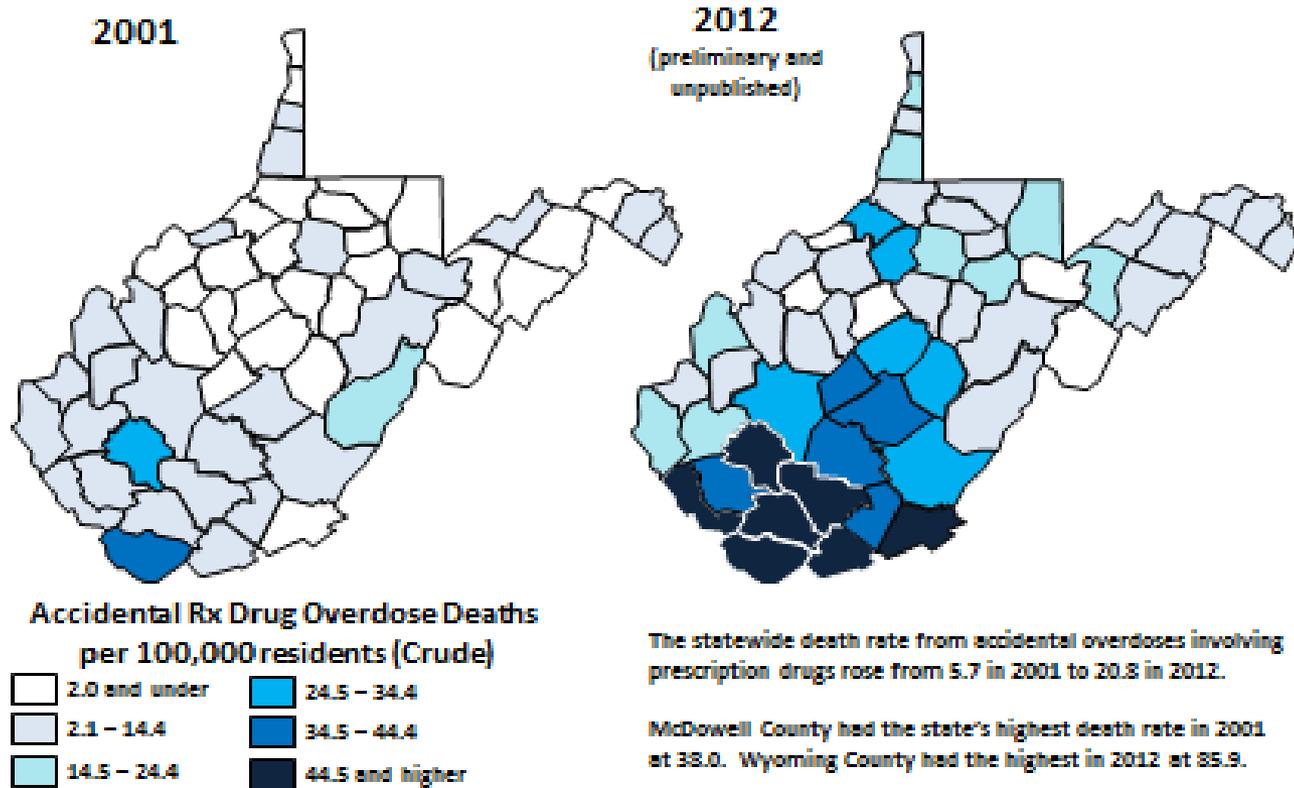


Data Source: WV Health Statistics Center, Vital Statistics System

* - 2013 Preliminary

County Level Overdose Death Rates 2001 & 2012

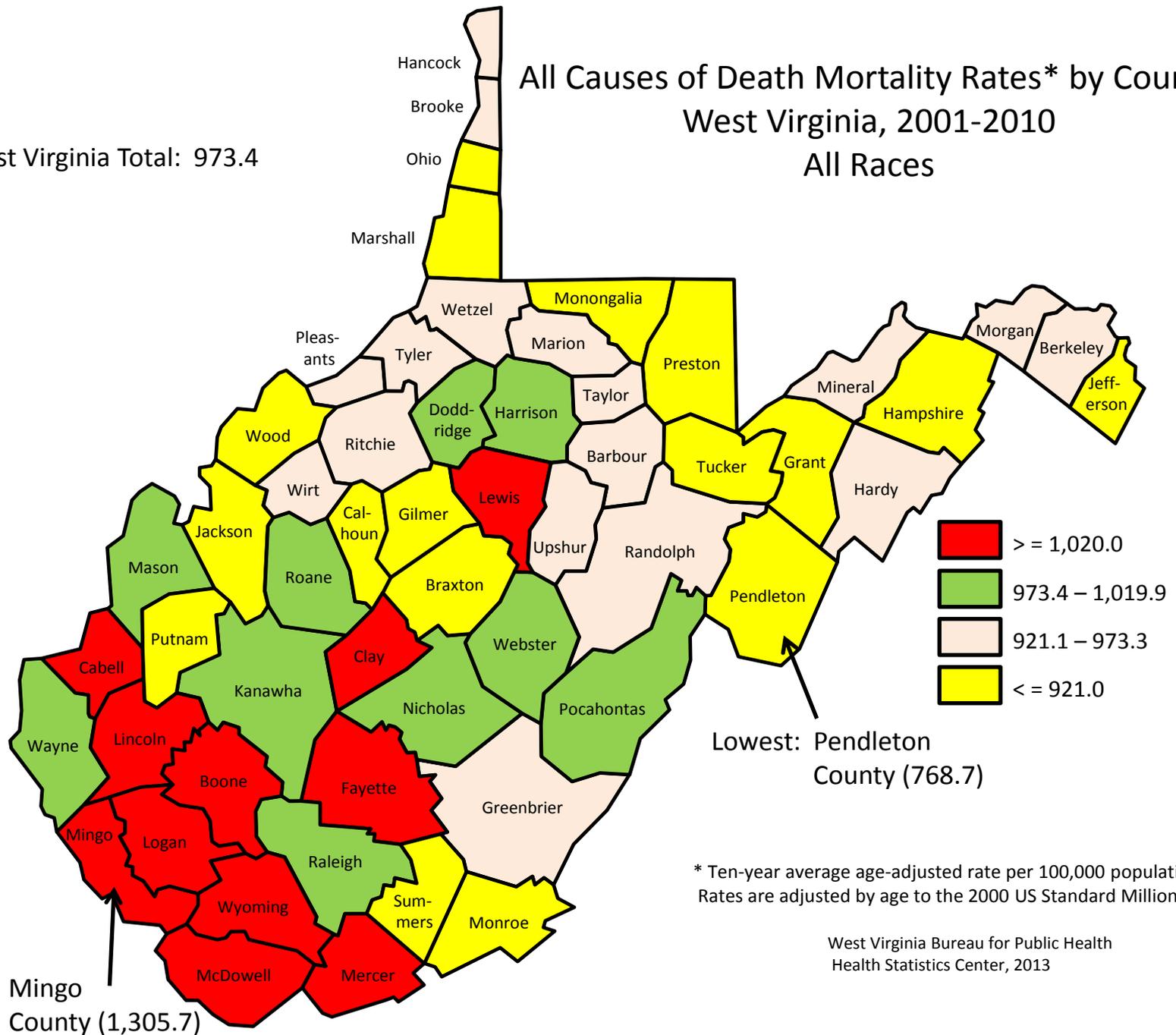
Accidental Rx Drug Overdose Death Rates Reach New Highs (WV resident deaths occurring in WV)



Data Source: WV Health Statistics Center, Vital Statistics System

All Causes of Death Mortality Rates* by County West Virginia, 2001-2010 All Races

West Virginia Total: 973.4



Highest: Mingo County (1,305.7)

Lowest: Pendleton County (768.7)

* Ten-year average age-adjusted rate per 100,000 population. Rates are adjusted by age to the 2000 US Standard Million

West Virginia Bureau for Public Health
Health Statistics Center, 2013

WV Drug Overdoses by County 2010-2014

West Virginia Resident Deaths, 2010-2014				
Drug Overdose Mortality by County				
County	Average Population 2010-2014	Number of Drug Overdose Deaths	Rate per 100,000 Population	Rank
Boone	24,260	109	89.9	3
Cabell	96,820	198	40.9	13
Harrison	68,921	100	29.0	21
Kanawha	191,772	330	34.4	17
Logan	36,172	107	59.2	7
McDowell	21,291	98	92.1	2
Mercer	62,151	190	61.1	5
Mingo	26,243	91	69.4	4
Raleigh	78,817	240	60.9	6
Tucker	7,002	0	0.0	55
Wyoming	23,216	112	96.5	1
WV Total	1,853,522	2,956	31.9	

WV Total – 2,956 resident deaths with a rate of 31.9 per 100,000 population.

Kanawha County had the highest number of resident drug overdose deaths (330). Raleigh County was 2nd at 240 deaths.

Wyoming County had the highest rate at 96.5 per 100,000 population. McDowell County was 2nd at 92.1

Tucker County had no drug overdose deaths.

YPLL Before Age 65 – All Drug Overdoses

Years of Potential Life Lost Before Age 65 2001-2013 All WV Drug Overdose Occurrences



Data Source: WV Health Statistics Center, Vital Statistics System

* - 2013 Preliminary

YPLL Before Age 65 – Prescription Drug Overdoses

Years of Potential Life Lost Before Age 65 2001-2013 WV Drug Overdose Occurrences Where at Least One or More Prescription Drugs Involved



Data Source: WV Health Statistics Center, Vital Statistics System

* - 2013 Preliminary

YPLL Before Age 75 – All Drug Overdoses

Years of Potential Life Lost Before Age 75 2001-2013 All WV Drug Overdose Occurrences



Data Source: WV Health Statistics Center, Vital Statistics System

* - 2013 Preliminary

YPLL Before Age 75 – Prescription Drug Overdoses

Years of Potential Life Lost Before Age 75 2001-2013 WV Drug Overdose Occurrences Where at Least One or More Prescription Drugs Involved

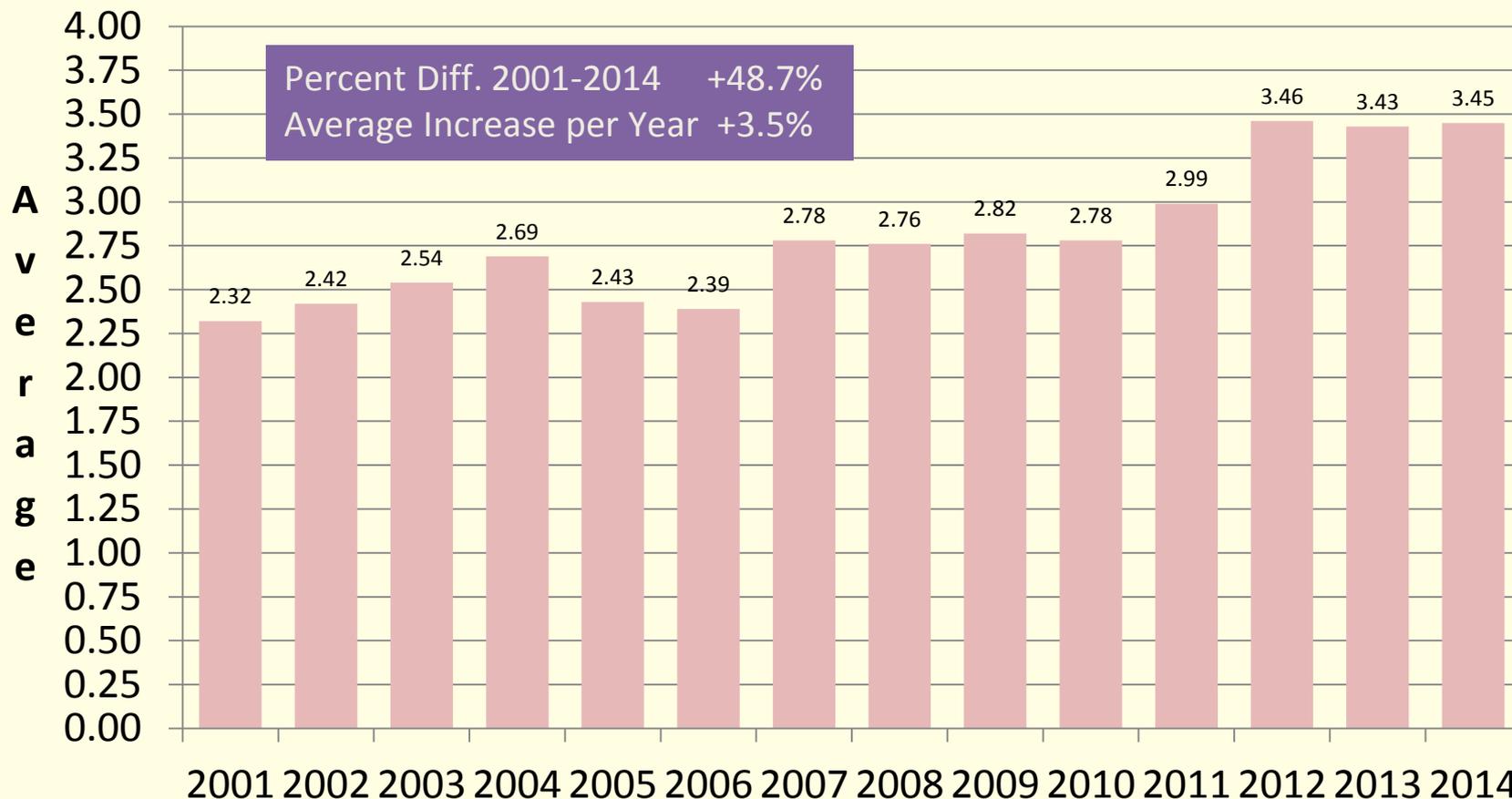


Data Source: WV Health Statistics Center, Vital Statistics System

* - 2013 Preliminary

Number of Drugs Involved

Average Number of Drugs Involved Per Fatal Overdose 2001-2014 Occurrences



Data Source: WV Health Statistics Center, Vital Statistics System
2013 Preliminary, 2014 Cumulative and Unedited

Contact Information

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HSC Publications

<http://www.wvdhhr.org/bph/hsc/statserv/publist.asp>

Behavioral Health and HSC County Data Profiles

<http://www.dhhr.wv.gov/bhhf/Sections/programs/ProgramsPartnerships/AlcoholismandDrugAbuse/Research/Pages/DataResearch.aspx>

Thanks for your time. Email me for links and presentation