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Suicide Deaths in Washington

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Where does the data come from? Death Certificates

Cause of Death (See instructions and examples)			
34. Enter the <u>chain of events</u> – diseases, injuries, or complications – that directly caused the death. DO NOT enter terminal events such as cardiac arrest, respiratory arrest, or ventricular fibrillation without showing the etiology. DO NOT ABBREVIATE. Add additional lines if necessary.			
IMMEDIATE CAUSE (Final disease or condition resulting in death) →	a.	Due to (or as a consequence of):	Interval between Onset & Death
Sequentially list conditions, if any, leading to the cause listed on line a. Enter the UNDERLYING CAUSE (disease or injury that initiated the events resulting in death) LAST	b.	Due to (or as a consequence of):	Interval between Onset & Death
	c.	Due to (or as a consequence of):	Interval between Onset & Death
	d.	Due to (or as a consequence of):	Interval between Onset & Death
35. Other <u>significant conditions contributing to death</u> but not resulting in the underlying cause given above		36. Autopsy? <input type="checkbox"/> Yes <input type="checkbox"/> No	37. Were autopsy findings available to complete the Cause of Death? <input type="checkbox"/> Yes <input type="checkbox"/> No
38. Manner of Death <input type="checkbox"/> Natural <input type="checkbox"/> Homicide <input type="checkbox"/> Accident <input type="checkbox"/> Undetermined <input type="checkbox"/> Suicide <input type="checkbox"/> Pending		39. If female <input type="checkbox"/> Not pregnant within past year <input type="checkbox"/> Not pregnant, but pregnant within 42 days before death <input type="checkbox"/> Pregnant at time of death <input type="checkbox"/> Not pregnant, but pregnant 43 days to 1 year before death <input type="checkbox"/> Unknown if pregnant within the past year	
40. Did tobacco use contribute to death? <input type="checkbox"/> Yes <input type="checkbox"/> Probably <input type="checkbox"/> No <input type="checkbox"/> Unknown	41. Date of Injury (MM/DD/YYYY)	42. Hour of Injury (24hrs)	43. Place of Injury (e.g., Decedent's home, construction site, restaurant, wooded area)
44. Injury at Work? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unk		45. Location of Injury: Number & Street _____ Apt No. _____ City or Town: _____ County: _____ State: _____ Zip Code+4: _____	
46. Describe how injury occurred		47. If transportation injury, specify: <input type="checkbox"/> Driver/Operator <input type="checkbox"/> Pedestrian <input type="checkbox"/> Passenger <input type="checkbox"/> Other (specify)	

Where does the data come from? Death Certificates

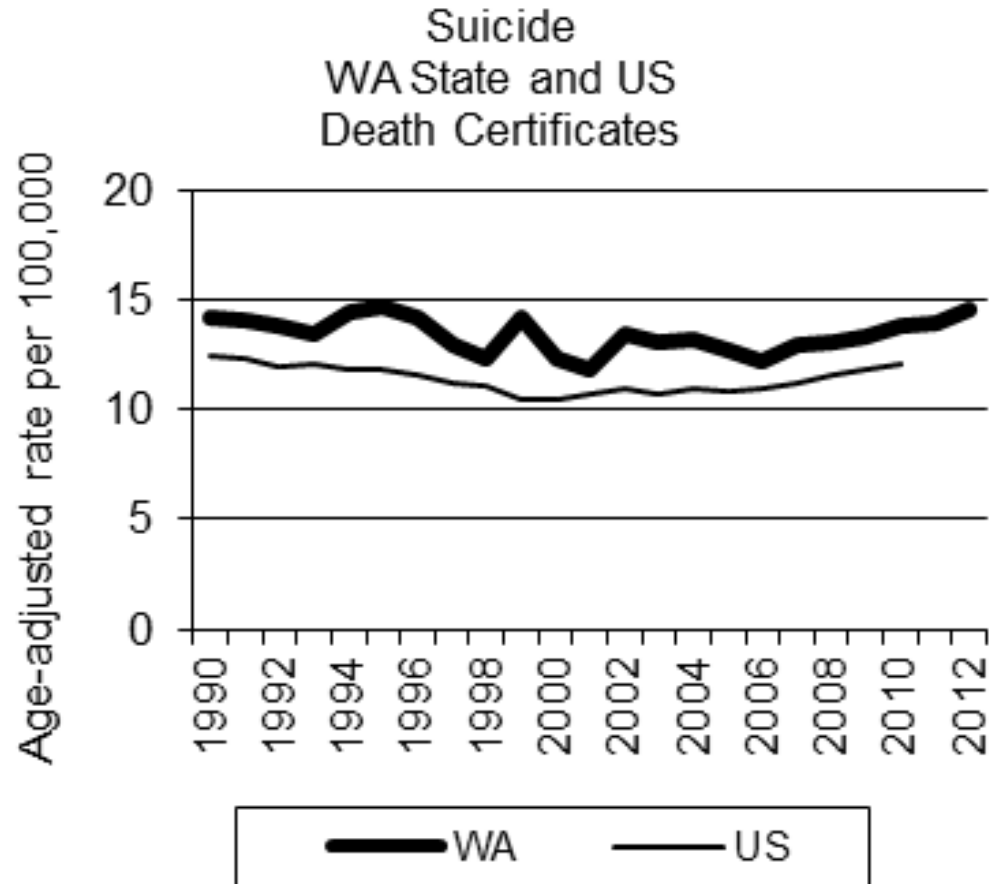
- In the case of unnatural deaths, county medical examiners & coroners investigate deaths
- Report immediate, underlying and contributing causes of death
- Use the underlying cause of death
- Causes of death are coded according to International Classification of Disease classification once at DOH
- Data released annually from DOH, usually fall of following year

Suicides are underestimated on death certificates

Summary of studies:

- Taiwan, underestimated by 30%
- England, underestimated by 28-35%
- Finland, found 10% more among undetermined deaths
- Germany, underestimated by 19%
- England, underestimated by 20%
- US military, underestimated by 21%

Suicide Trends, 1990-2012



Source: Washington State Department of Health, Death Certificates

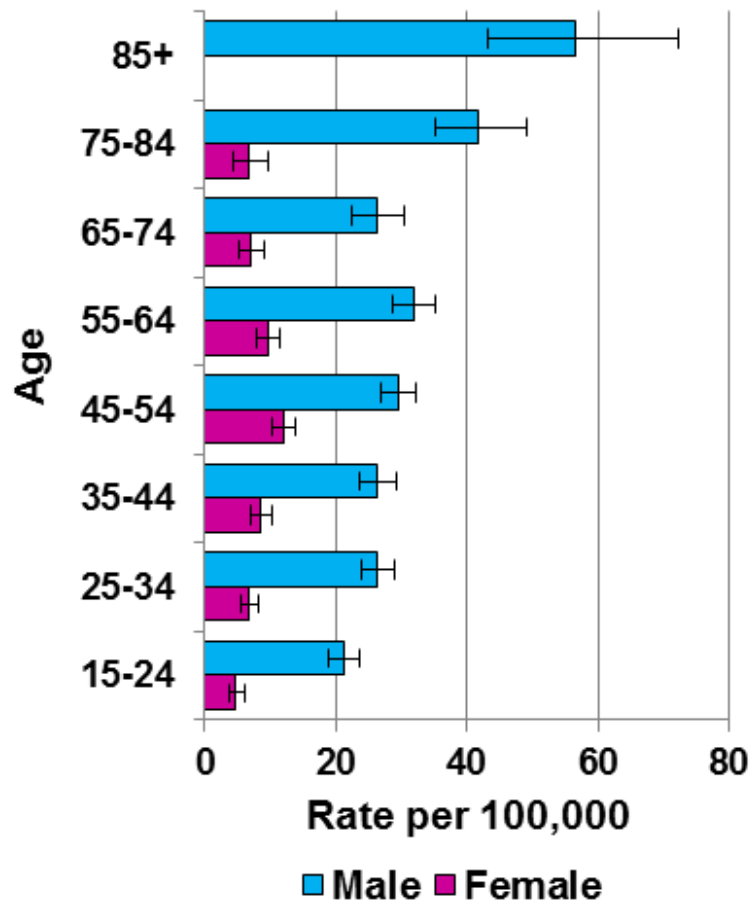
Leading Causes of Suicide, 2012

Cause	% of Deaths
Firearms	51
Suffocation	22
Poisoning	19
Fall	4
Cut	2
Other (drowning, fire, unspecified)	2

Source: Washington State Department of Health, Death Certificates

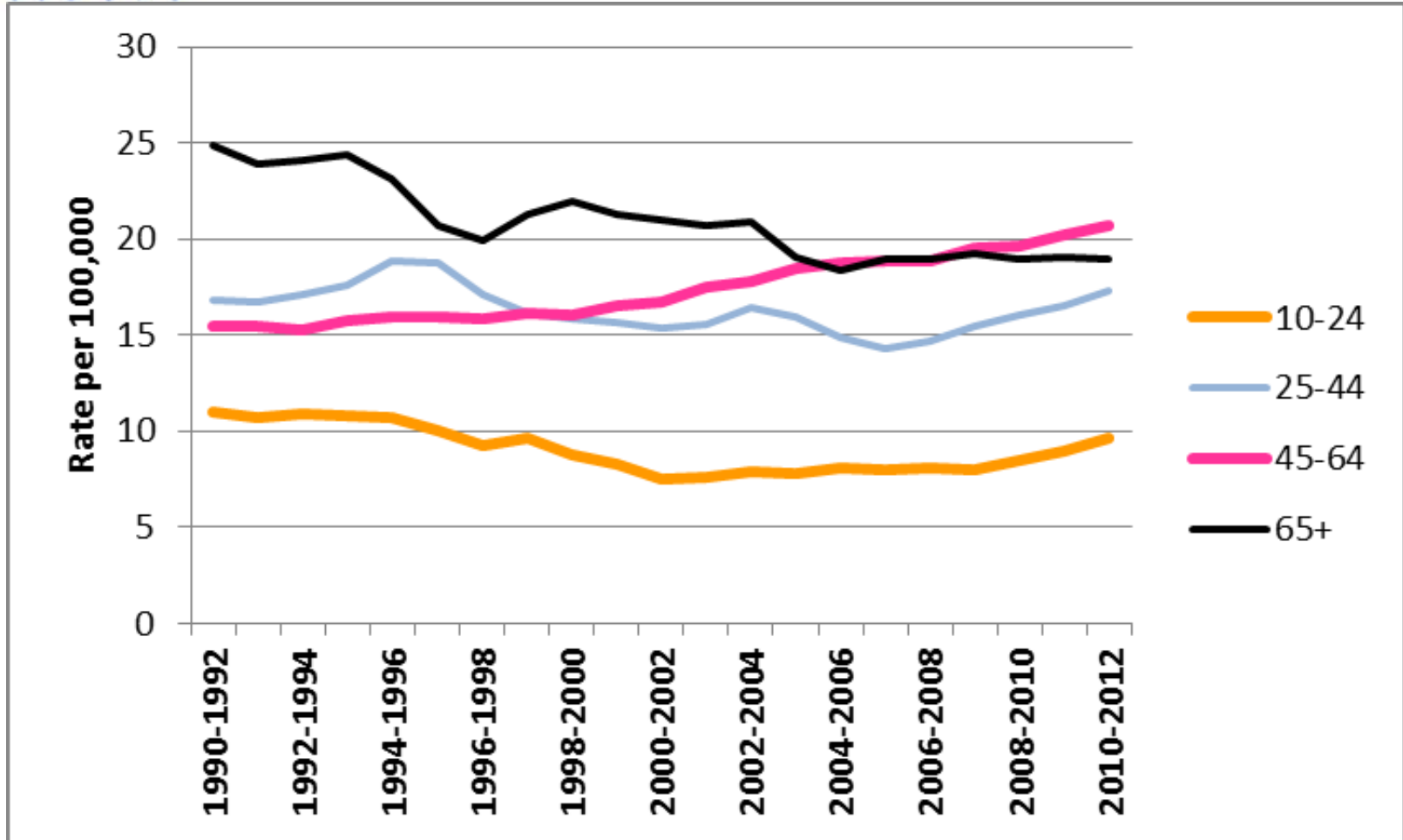
Suicide

Age and Gender, 2010-2012



Source: Washington State Department of Health, Death Certificate Data

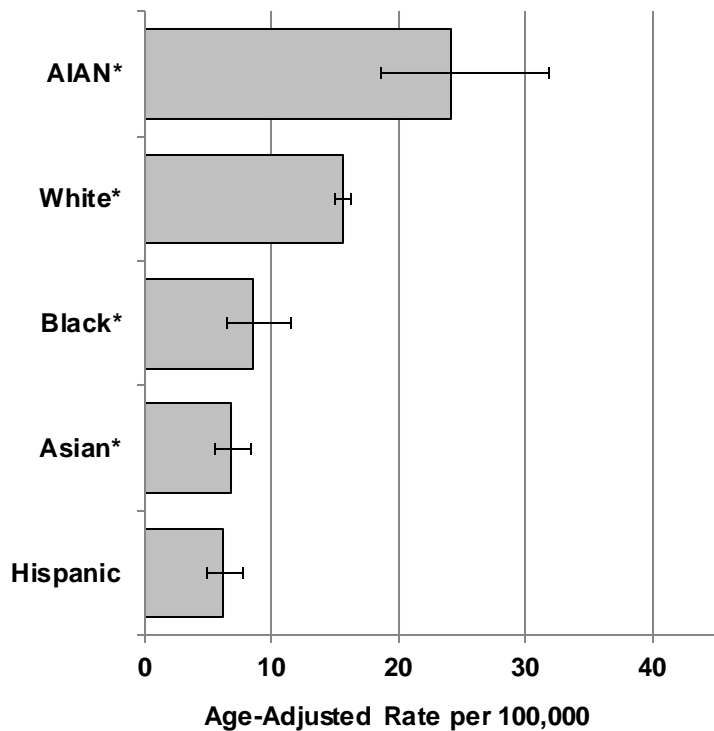
Suicide Trends by Age Group 1990-2012



Source: Washington State Department of Health, Death Certificates

Suicide

Race and Ethnicity, 2010-2012

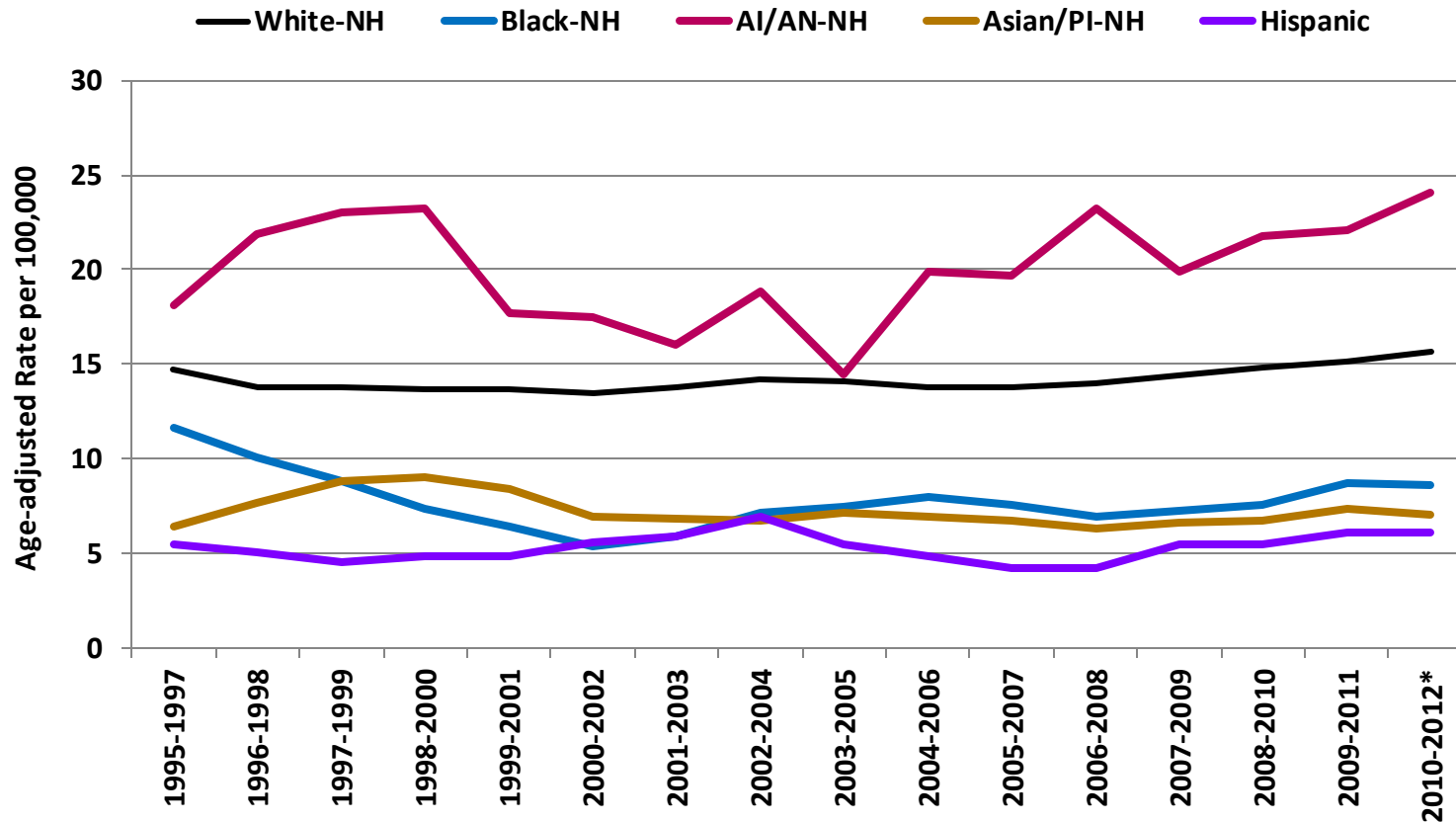


of deaths
58
2564
62
102
125

* Non-Hispanic, single race only
 AIAN: American Indian/Alaska Native
 Native Hawaiian/Other Pacific Islander not included due to unreliable rates due to small numbers.

Source: Washington State Department of Health, Death Certificates
 2012 population data by race are estimated.

Suicide Trends by Race and Ethnicity, 1995-2012



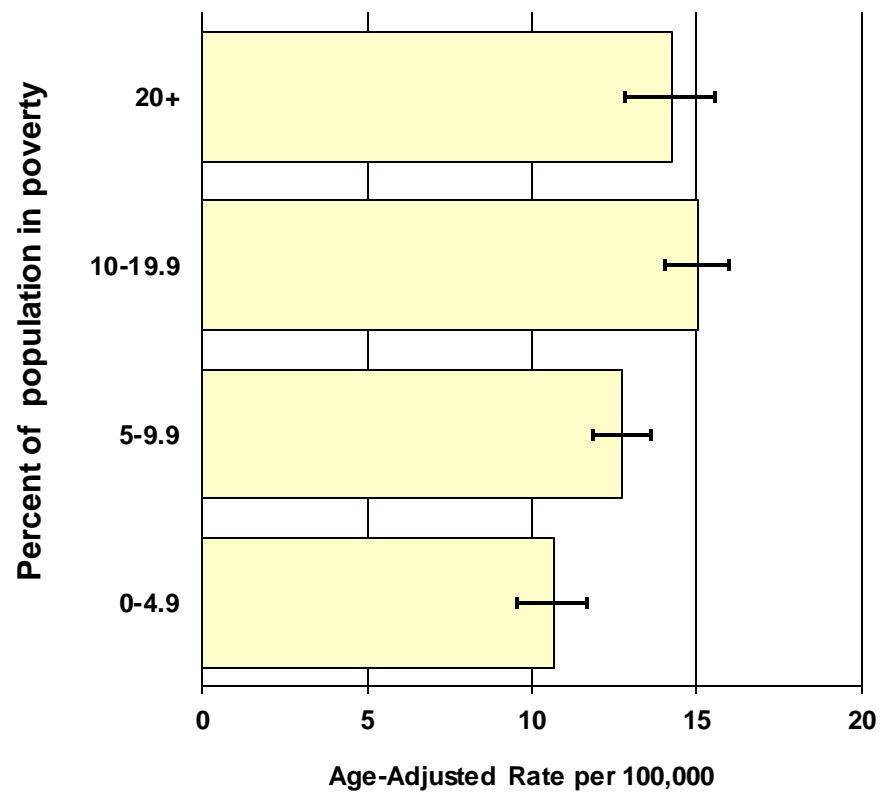
* 2012 population data by race are estimates

AI/AN = American Indian/Alaska Native, PI = Pacific Islander

Source: Washington State Department of Health, Death Certificates

Suicide

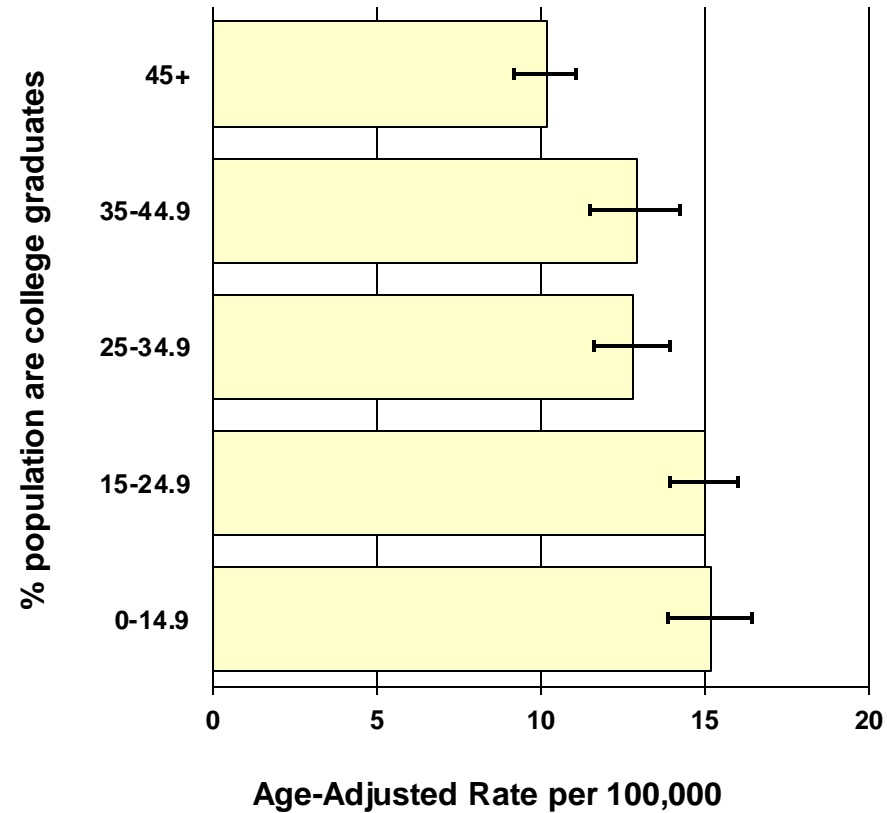
% in Poverty, 2009-2011



Source: Washington State Department of Health, Death Certificates

Suicide

College Graduation Levels, 2009-2011



Source: Washington State Department of Health, Death Certificates

Suicide

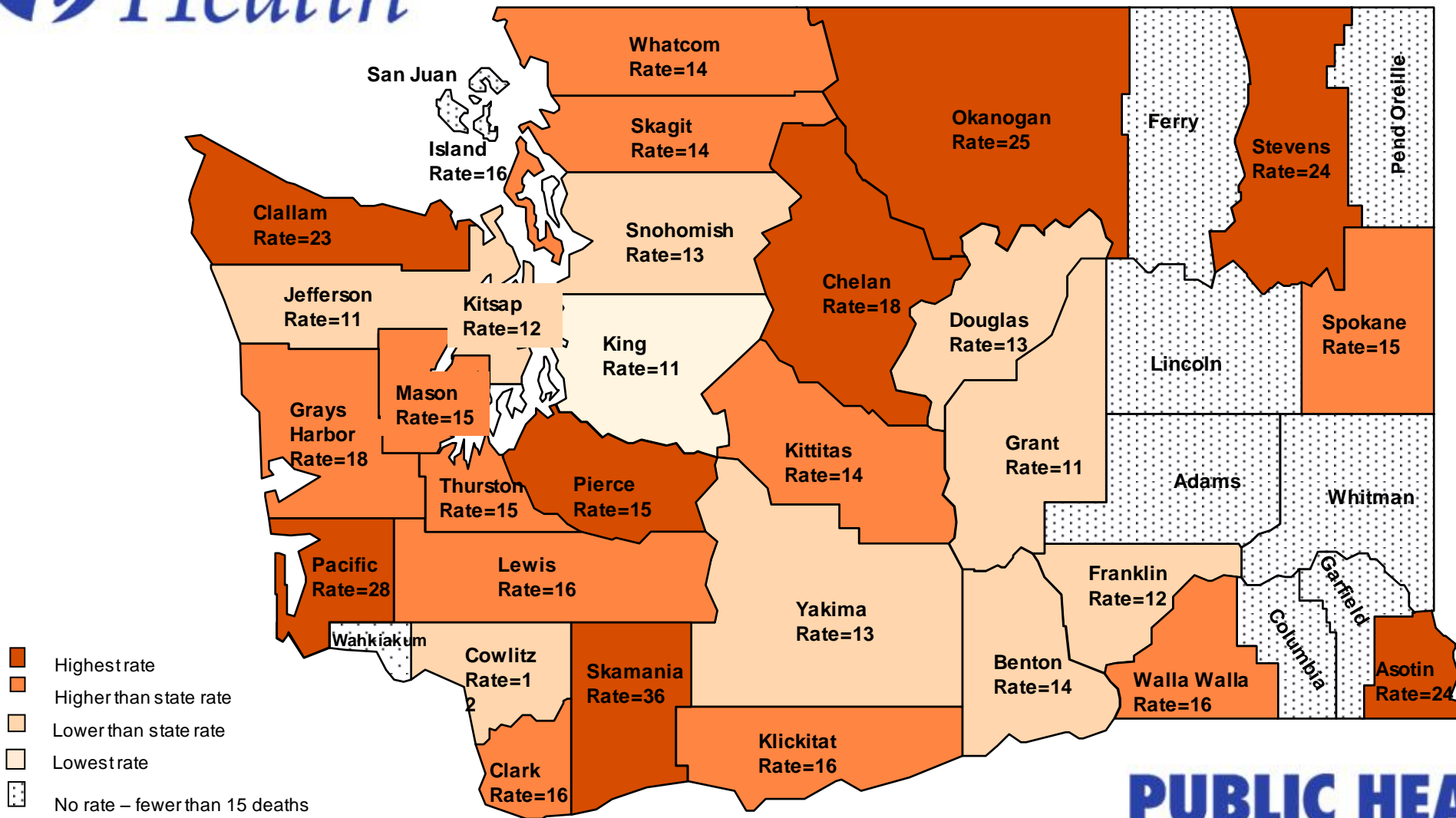
Urban/Rural Differences, 2010-2012

Geography	Rate per 100,000
Urban	13
Suburban	15
Large town rural	15
Small town rural	18*

Source: Washington State Department of Health, Death Certificates

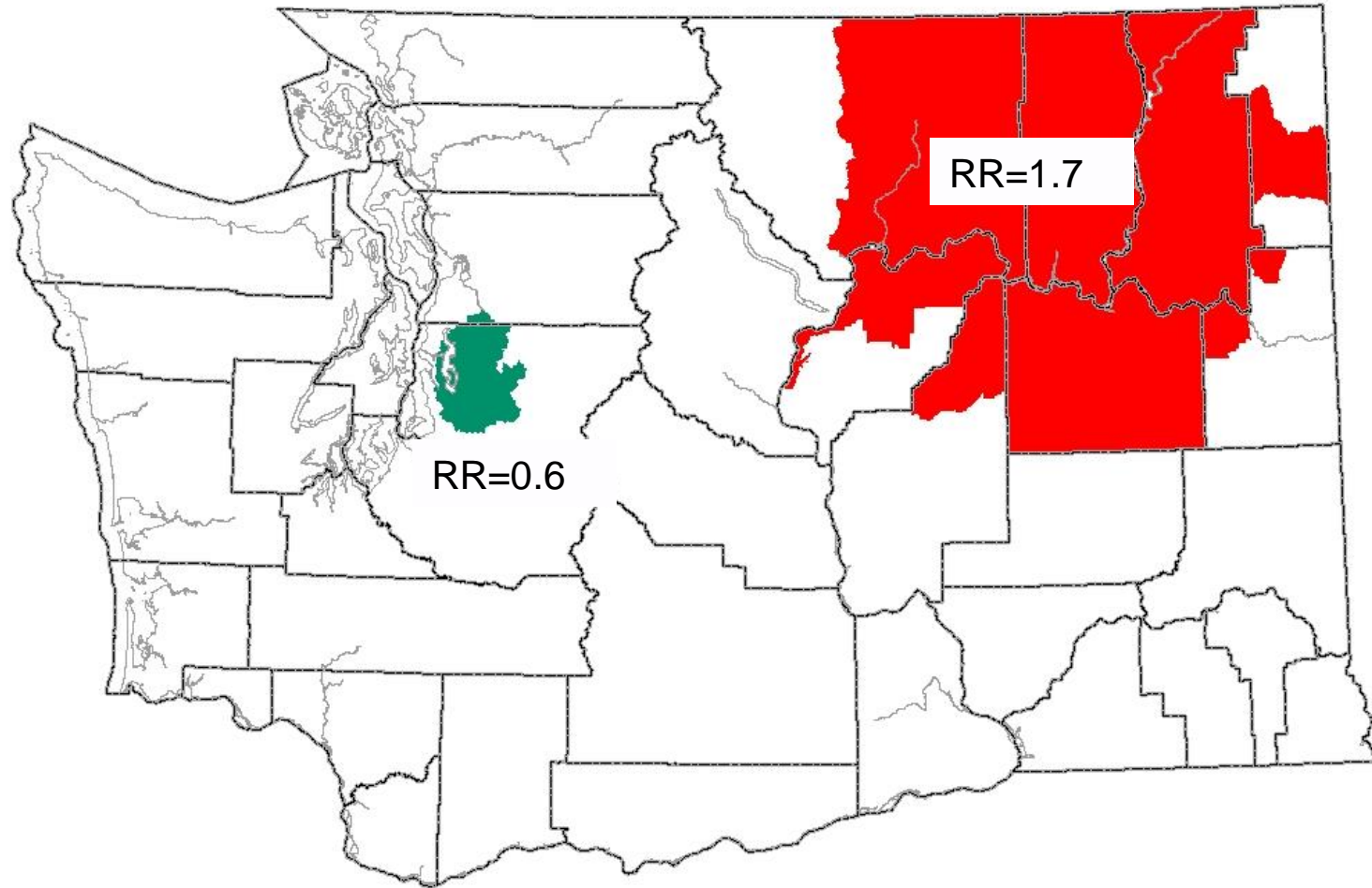
Suicide Rates By County of Residence, 2008-2012

State Rate = 14



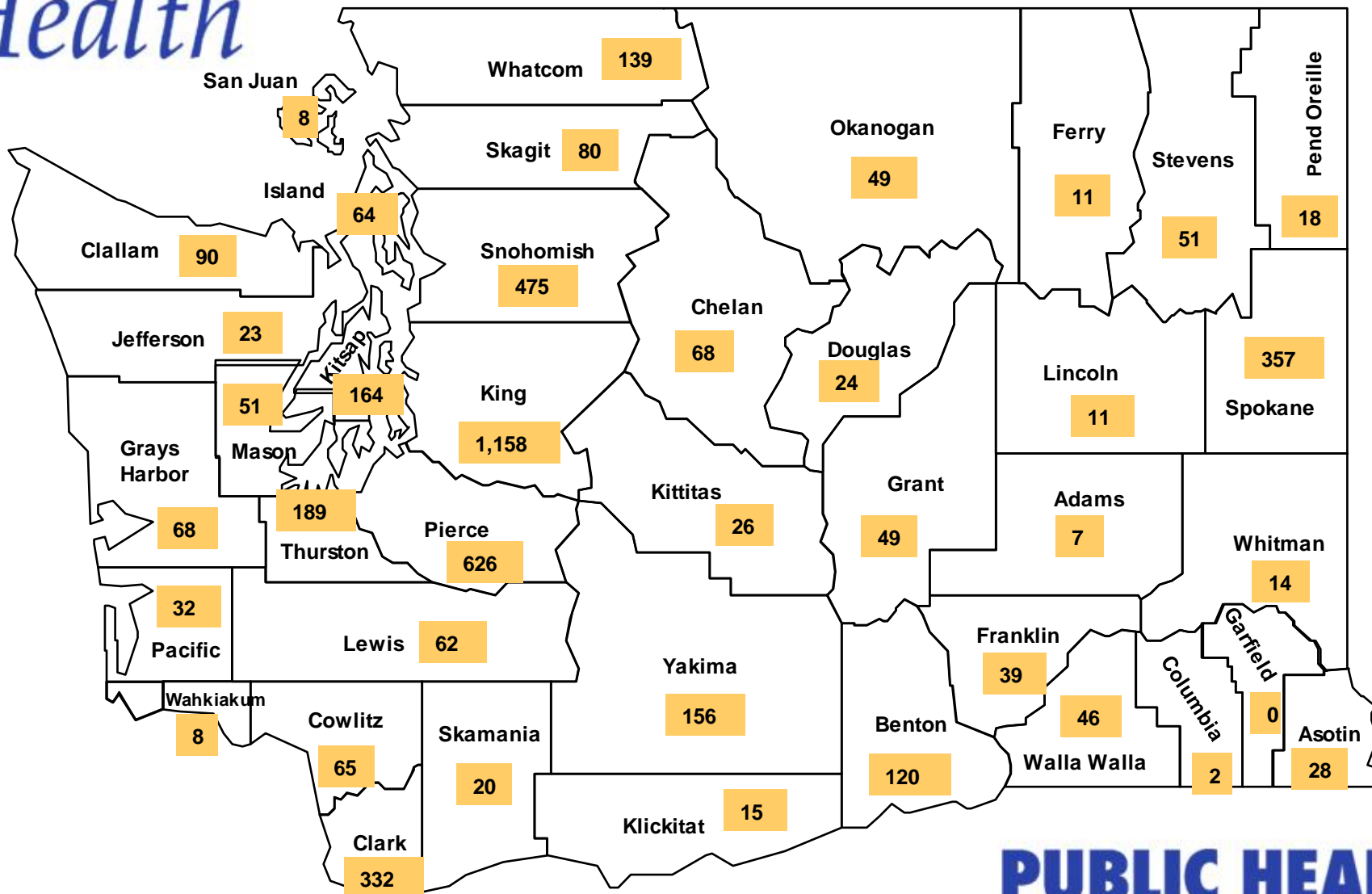
Source: Washington State Department of Health, Death Certificates

Suicide Rates By Census Tract of Residence 2009-2011



Source: Washington State Department of Health, Death Certificates

Number of Suicides By County, 2008-2012



Source: Washington State Department of Health, Death Certificates

Suicide & Armed Forces Participation 2010-2012

Death certificate: Was the decedent ever in the U.S. Armed Forces?

Age Group (years)	U.S. Armed Forces Participation			
	Yes		No	
	# of suicides	% of suicides	# of suicides	% of suicides
10-24	26	7	363	93
25-44	134	14	812	86
45-64	243	22	882	78
65+	265	56	211	44
Total	668	23	2268	77

Source: Washington State Department of Health, Death Certificates

Summary of High Risk Groups for Suicide in WA

- Males 45 years old and older
- In rural areas
- American Indian/Alaska Natives and Whites
- Higher poverty & lower educational attainment areas
- Probably participation in the armed forces

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