

# Using NVDRS in Oregon

Lisa Millet, MSH  
Injury Prevention & Epidemiology Section Manager  
Office of Disease Prevention & Epidemiology  
Oregon Public Health Division  
SAMHSA Grantee Conference  
Portland, December 10, 2007

# Overview

- NVDRS sources and variables
- NVDRS data
- Flexibility of NVDRS

# Violent death

- A death that results from intentional use of force or power, threatened or actual, against oneself, another person, or a group or community
  - Suicide
  - Homicide
  - Legal intervention
  - Undetermined death
  - Unintentional firearm injury

# Data sources

## Primary sources:

- Death certificates
- Medical examiner reports
- Police reports
- Crime lab reports

## Secondary sources:

- Child fatality review
- SHR
- DA press release

# Variables

- Identity variables:
  - Person type: victim, suspect, both
  - Name
  - SS#
  - Age, DOB
  - Sex
  - Race
  - Ethnicity
  - Address of residence

# Death certificate variables

- Birthplace
- Veteran's status
- Marital status
- Place of death
- Date of death
- State of death
- Cause of death
- Autopsy
- Pregnancy status
- Manner of death
- Injury date/time
- Incident location
- Injury address
- Injured at work
- Survival time
- Education
- Occupation

# Medical examiner variables

- # bullets and wounds
- Location of wounds
- Injury occurred at home
- Homelessness status
- Current occupation
- Victim in custody
- Suspected intoxication
- Manner of death
- Underlying cause of death
- Demographics
- Narrative
- Circumstances

# Some circumstances

- Ever treated for mental illness
- Hx of inpatient psych tx
- Physical health problem
- Current depressed mood
- Current mental health problem
- Current tx for mental illness
- Type of mental illness treated
- Taking psych meds at time of death
- Crisis in past 2 weeks
- Financial problem
- School problem
- Sex abuse, physical abuse, neglect
- IPV in victim's household
- Disability
- Contact with juvenile justice system
- HX of suicide attempts
- Disclosed intent to suicide
- Left suicide note
- Substance dependence or abuse
- Gun owner, storage
- Other suicide circumstance



# Police report

- Narrative
- Victim demographics
- Suspect demographics
- Circumstances

# Toxicology

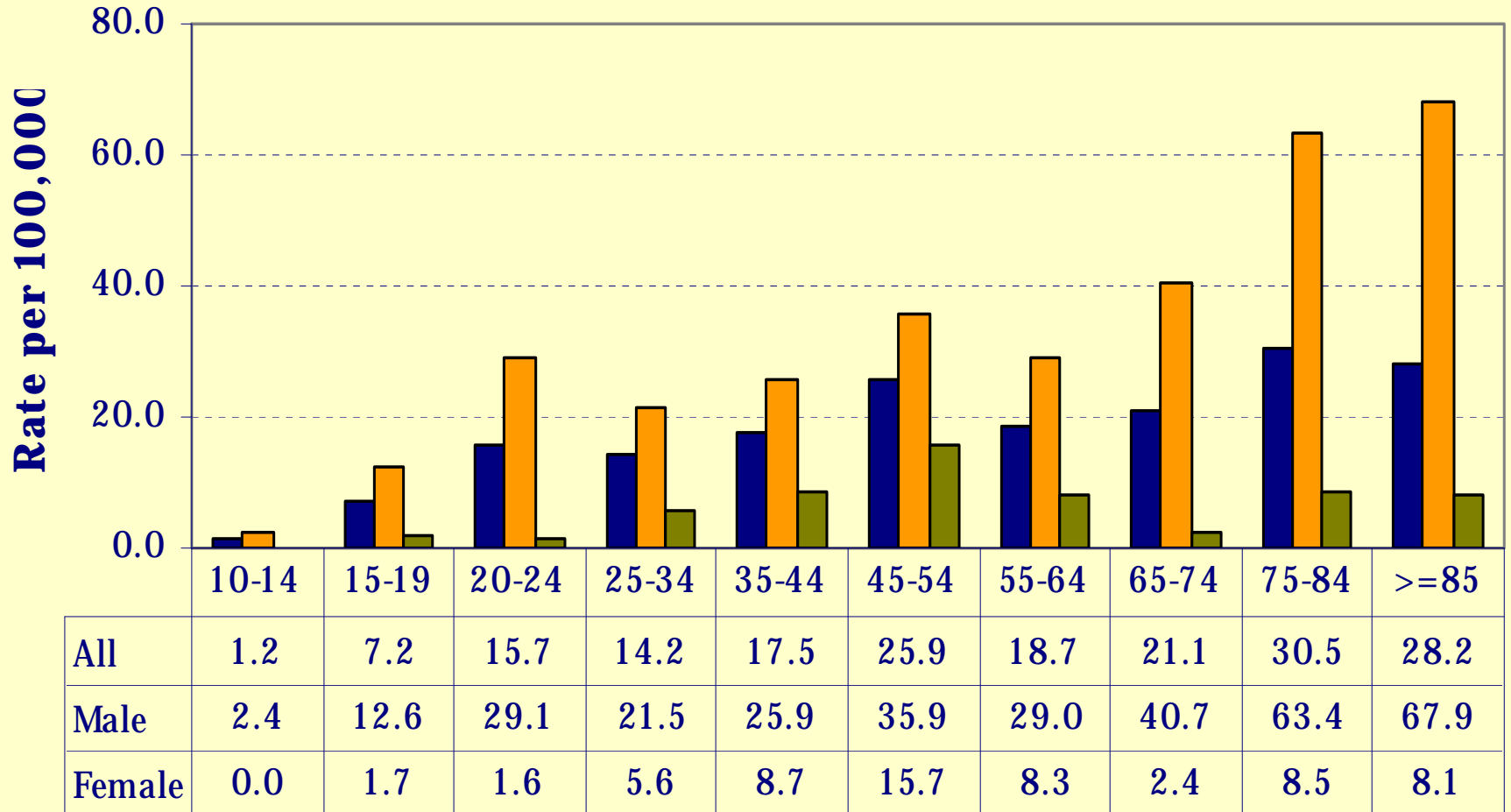
- Alcohol test, result
- Blood alcohol level
- Drug tests, results:
  - Amphetamines
  - Antidepressants
  - Cocaine
  - Opiates
  - Marijuana
  - Others

# Crime lab variables

- Ballistics report
- Firearm
- Bullet
- Casing
- Other weapons

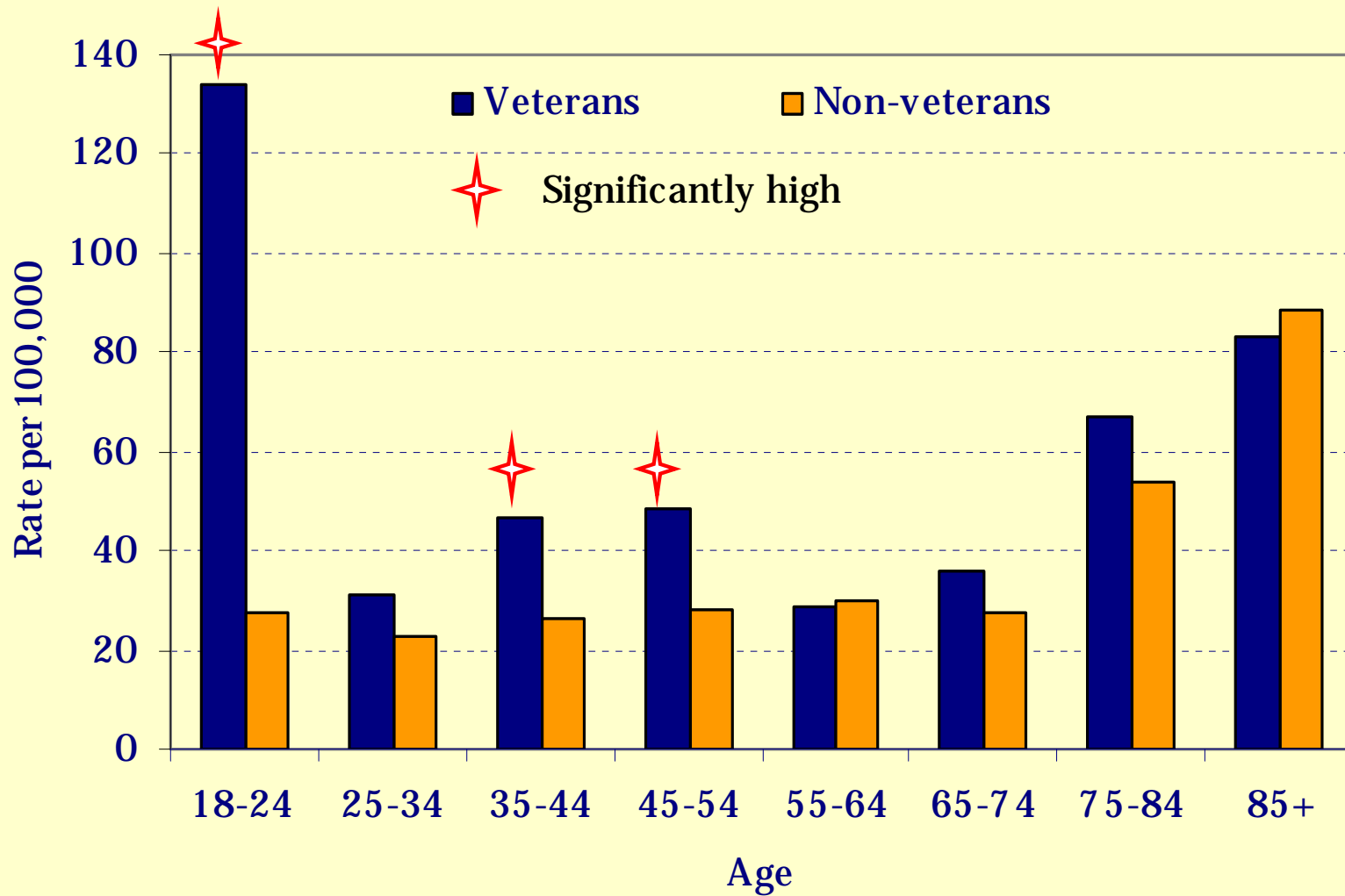
## Age-specific rate of suicide, OR, 2005

■ All   
 ■ Male   
 ■ Female

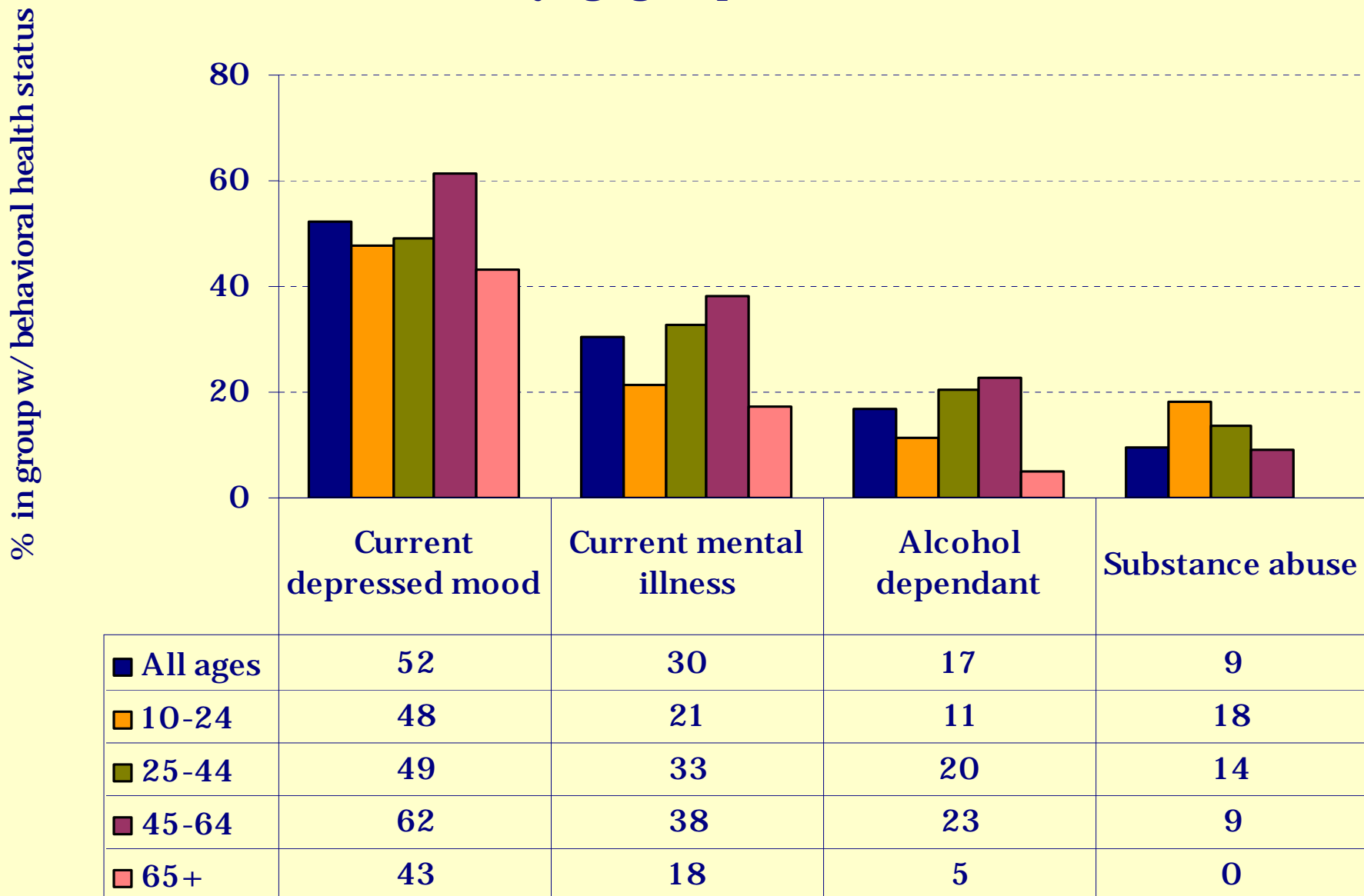


Age

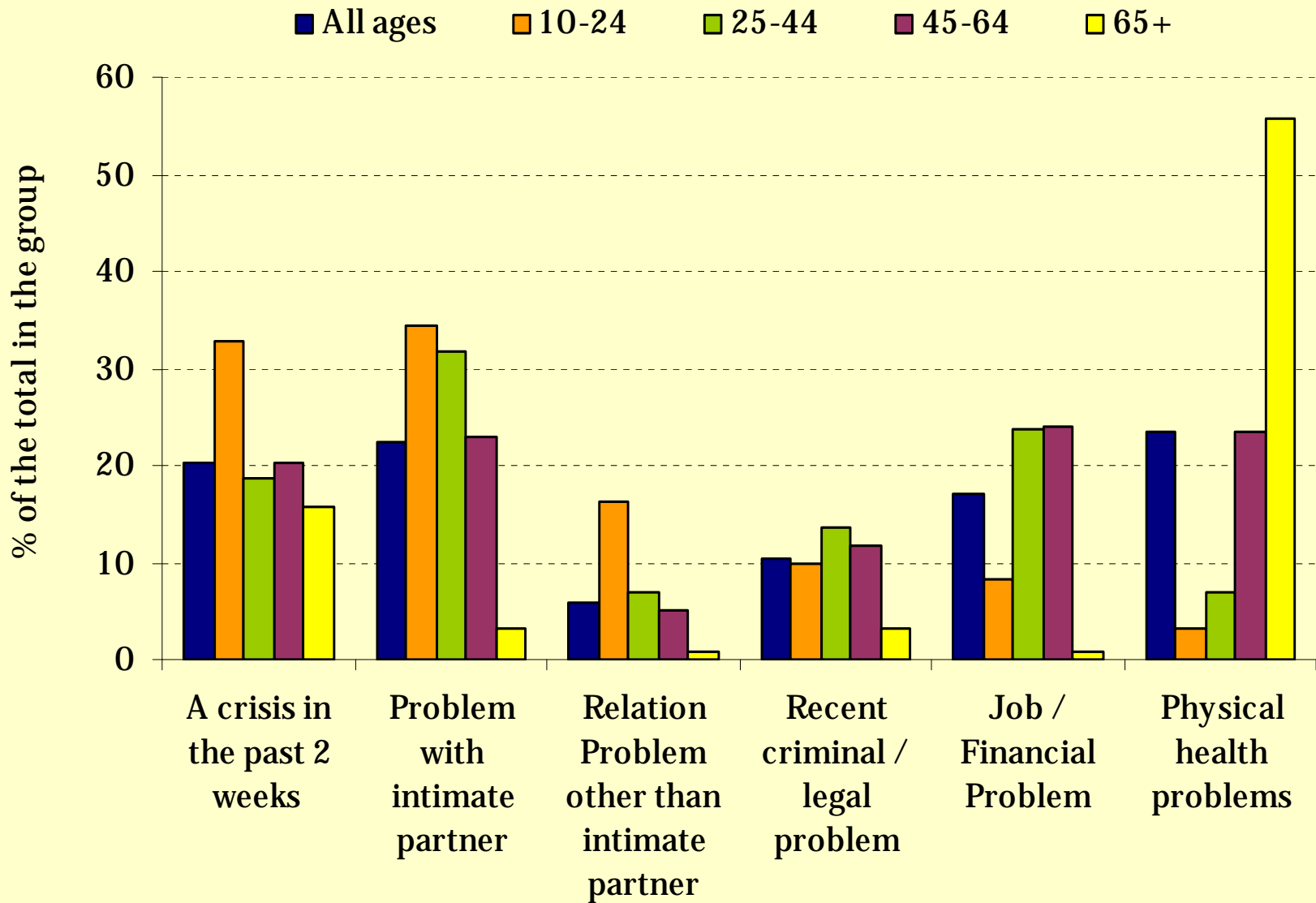
## Age-specific suicide rates among male veterans and non-veterans, OR 2000-2005



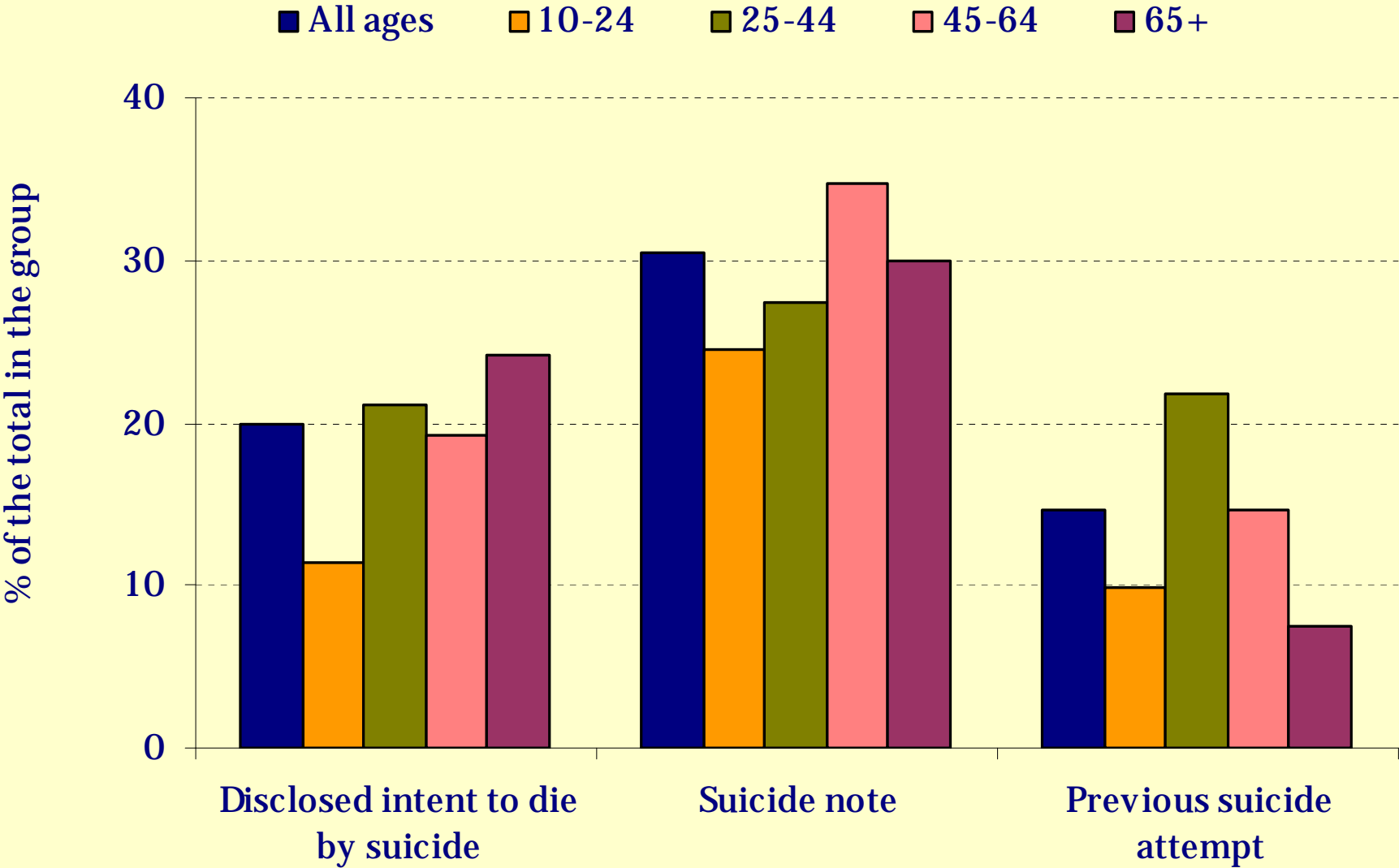
**Figure 7. Behavioral health status among suicide victims  
by age group, OR, 2005**



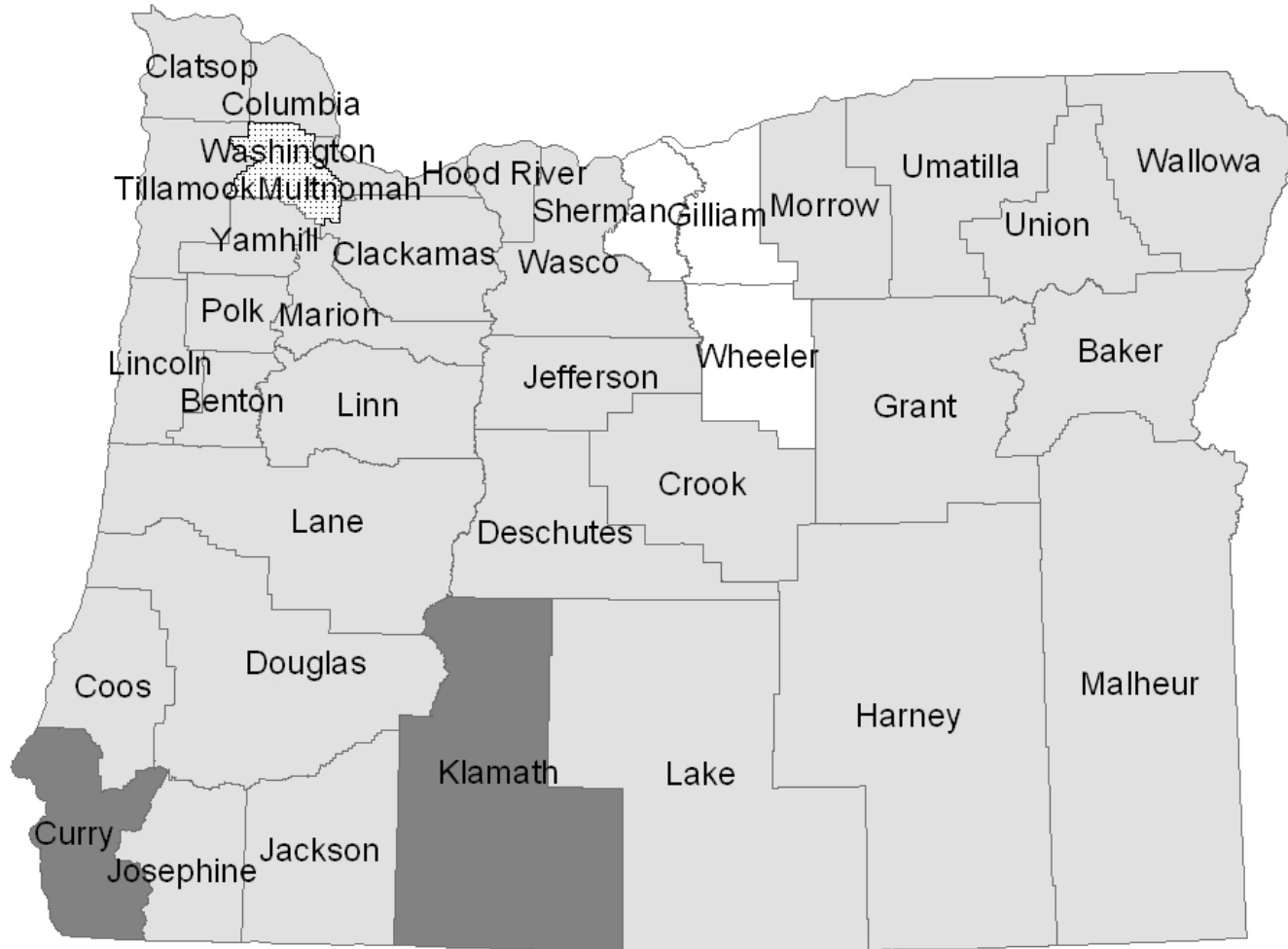
**Figure 8. Factors associated with suicide by age group, OR 2005**



**Figure 9. Suicidal behavior by age group, OR 2005**







Less than 5 suicide deaths

Lower than the state rate

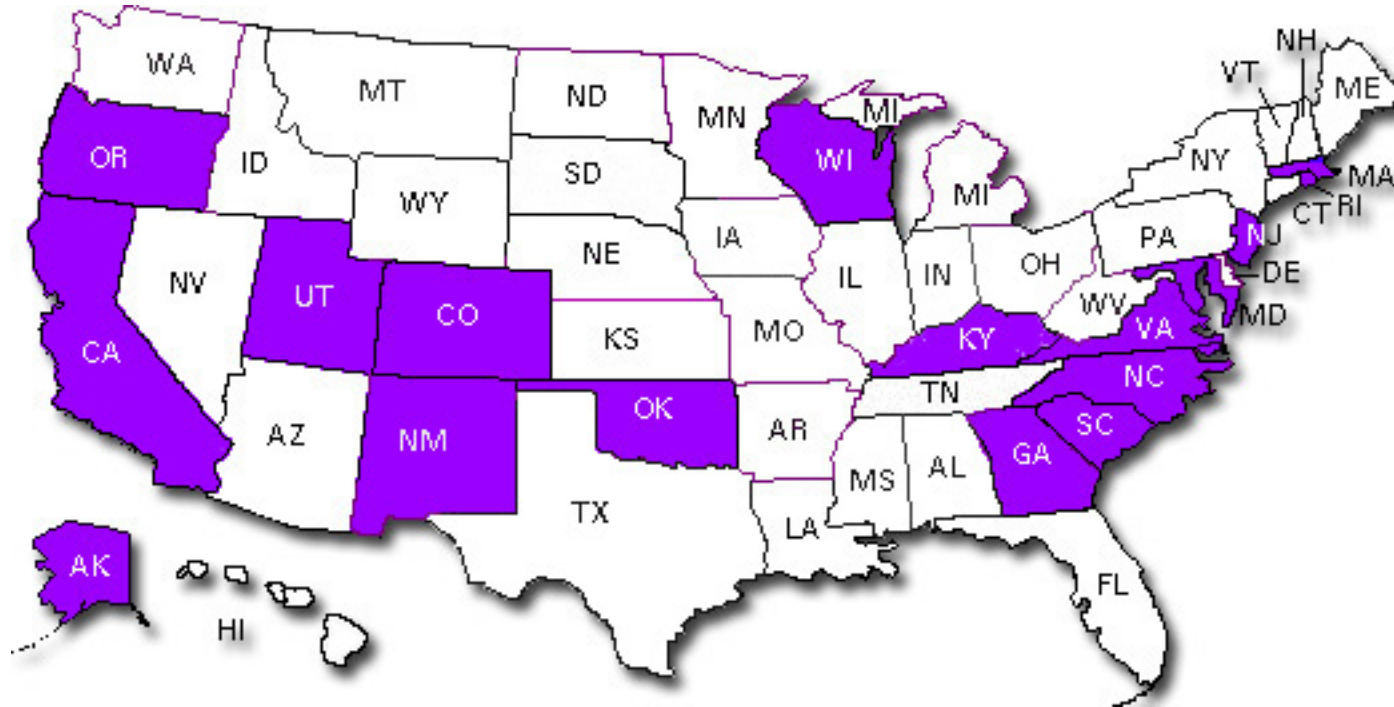
The state rate: 15.2 (95% CI: 13.9 – 16.5)

Higher than the state rate

# Use of data

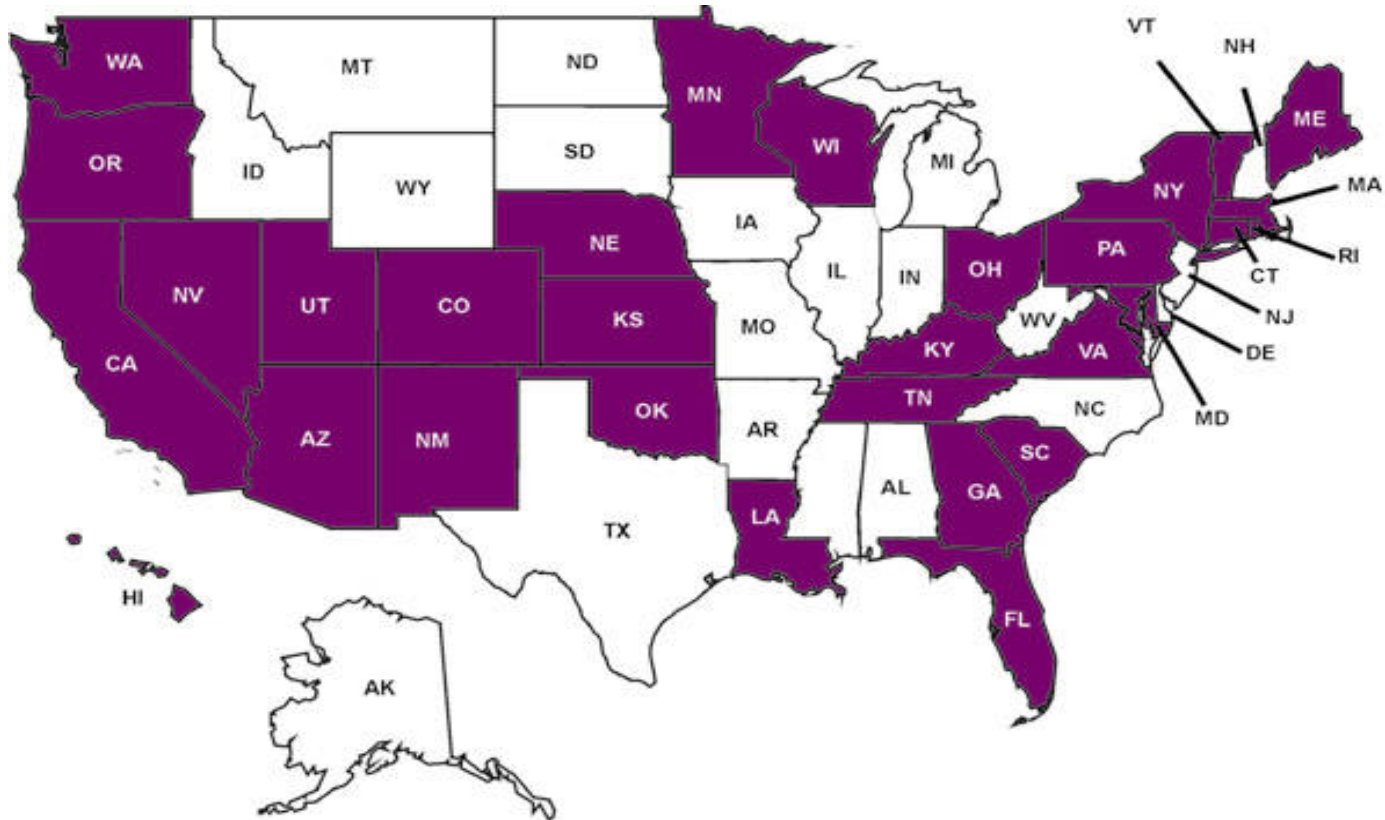
- Testimony to legislature to demonstrate need for resources
- Develop prevention plan
- Media work
- Determining where to establish program
- Developing questions for further study and research

# States funded to conduct Violent Death Reporting Surveillance



[http://www.cdc.gov/ncipc/profiles/nvdrs/state\\_profiles.htm](http://www.cdc.gov/ncipc/profiles/nvdrs/state_profiles.htm)

# States funded to conduct Injury Surveillance



[http://www.cdc.gov/ncipc/profiles/core\\_state/default.htm](http://www.cdc.gov/ncipc/profiles/core_state/default.htm)

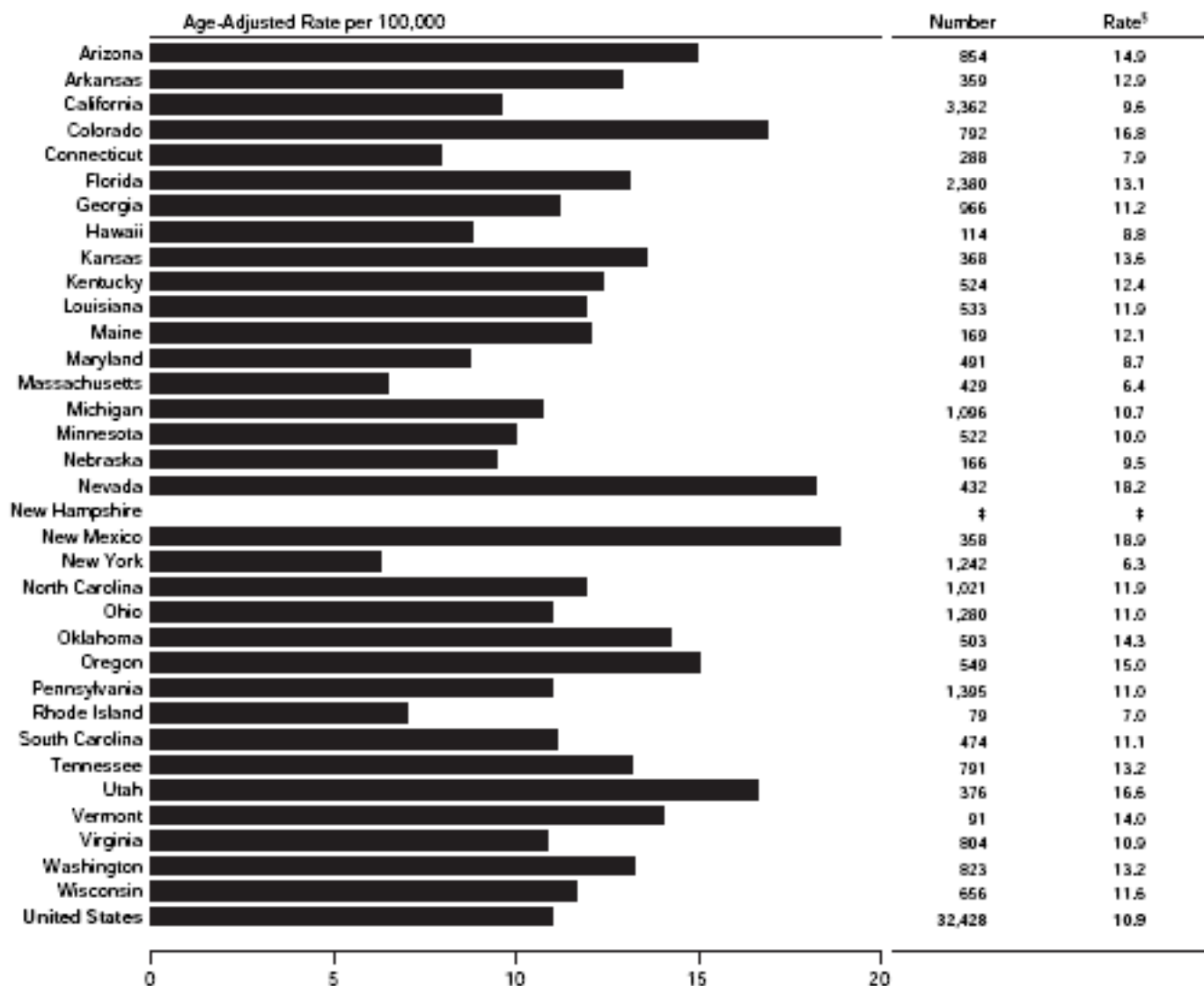


# STATE INJURY INDICATORS REPORT

Third Edition – 2004 Data



Figure 7a  
Suicide (Overall), 2004



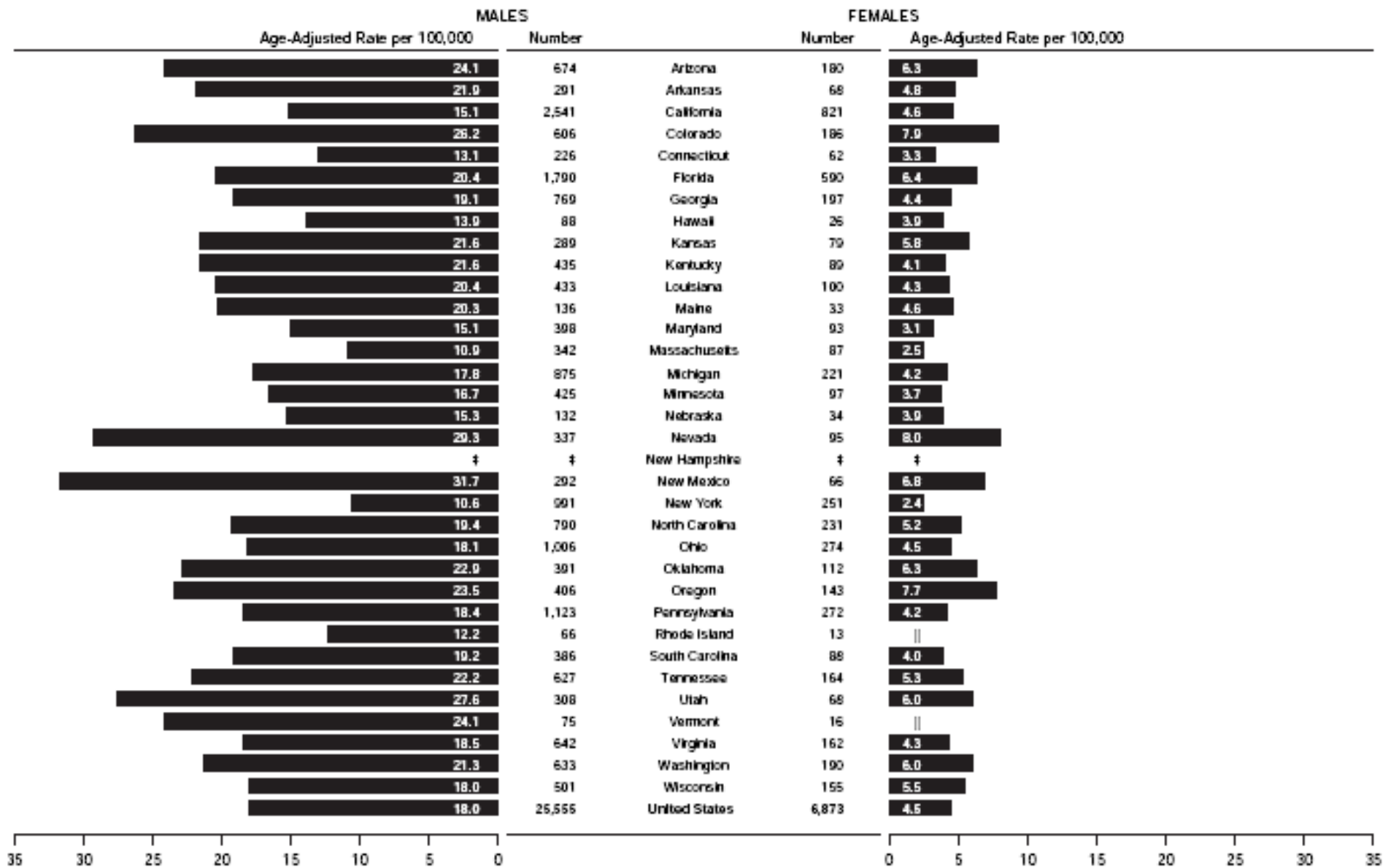
† No data available.

§ Rate per 100,000 population.

|| Rates are suppressed if fewer than 20 cases were reported.

¶ Case counts are suppressed if fewer than 5 cases were reported.

Figure 7b  
Suicide by Sex, 2004



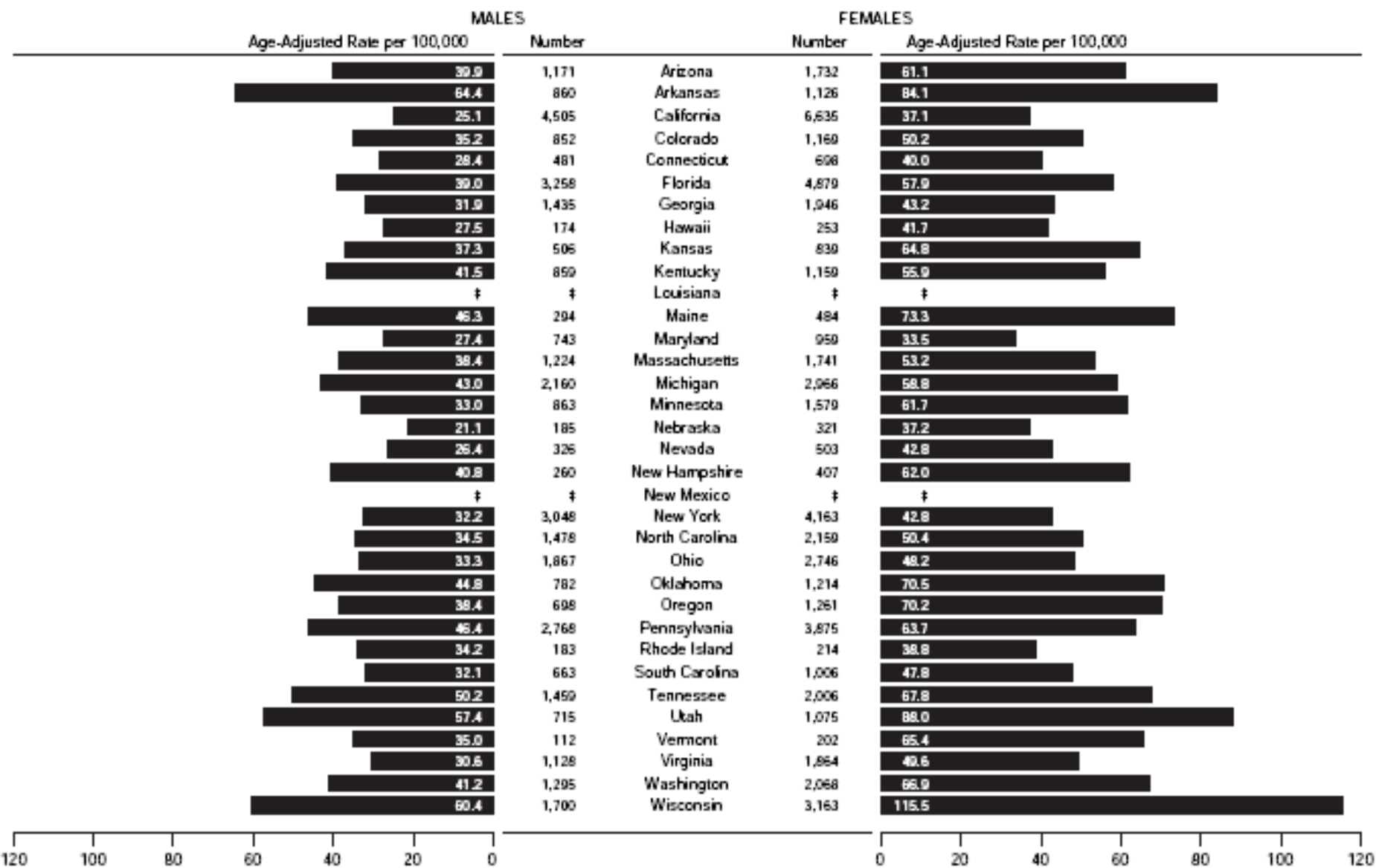
† No data available.

§ Rate per 100,000 population.

|| Rates are suppressed if fewer than 20 cases were reported.

† Case counts are suppressed if fewer than 5 cases were reported.

Figure 7e  
Suicide Attempt Hospitalizations by Sex, 2004



† No data available.

§ Rate per 100,000 population.

|| Rates are suppressed if fewer than 20 cases were reported.

‡ Case counts are suppressed if fewer than 5 cases were reported.



## Oregon Injury Prevention & Epidemiology Program

- Lisa Millet: [lisa.m.millet@state.or.us](mailto:lisa.m.millet@state.or.us)
- OVDRS report @ <http://www.oregon.gov/DHS/ph/ipe/nvdrs/index.shtml>
- <http://www.cdc.gov/ncipc/profiles/nvdrs/default.htm>