

# The Economic Effects of the Opioid Crisis in West Virginia

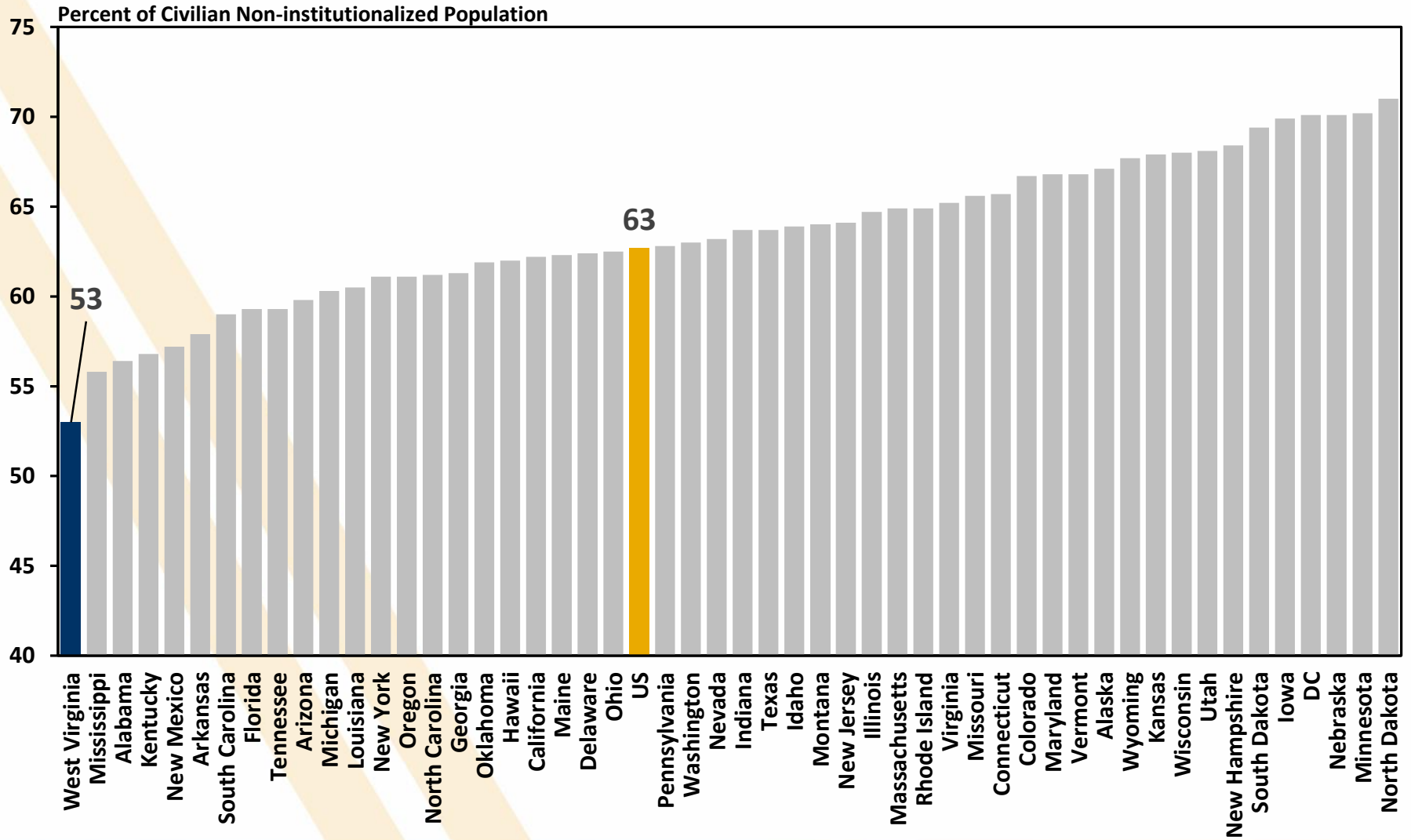
John Deskins, Ph.D.

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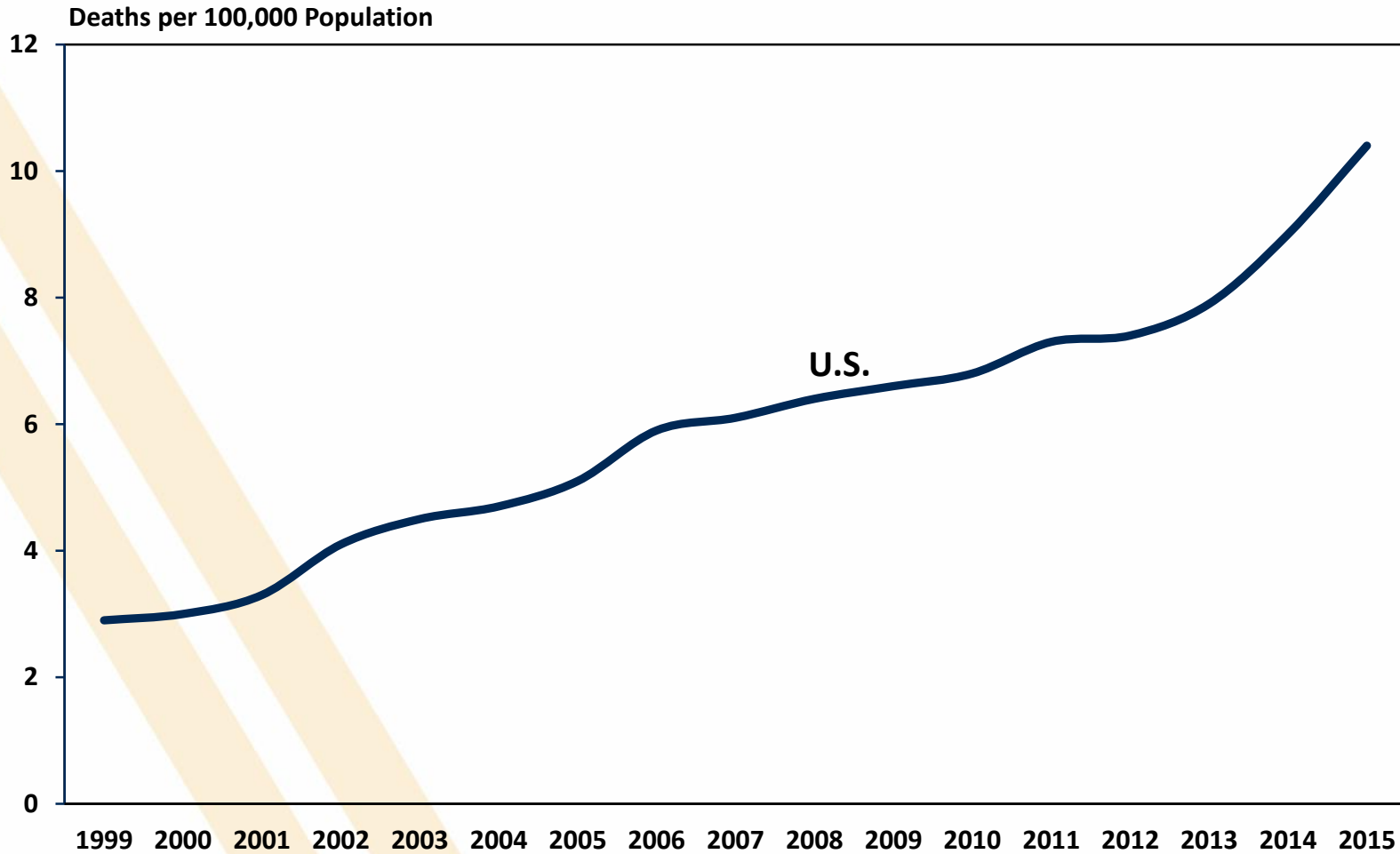
Bureau of Business & Economic Research  
College of Business & Economics  
West Virginia University  
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# Labor Force Participation

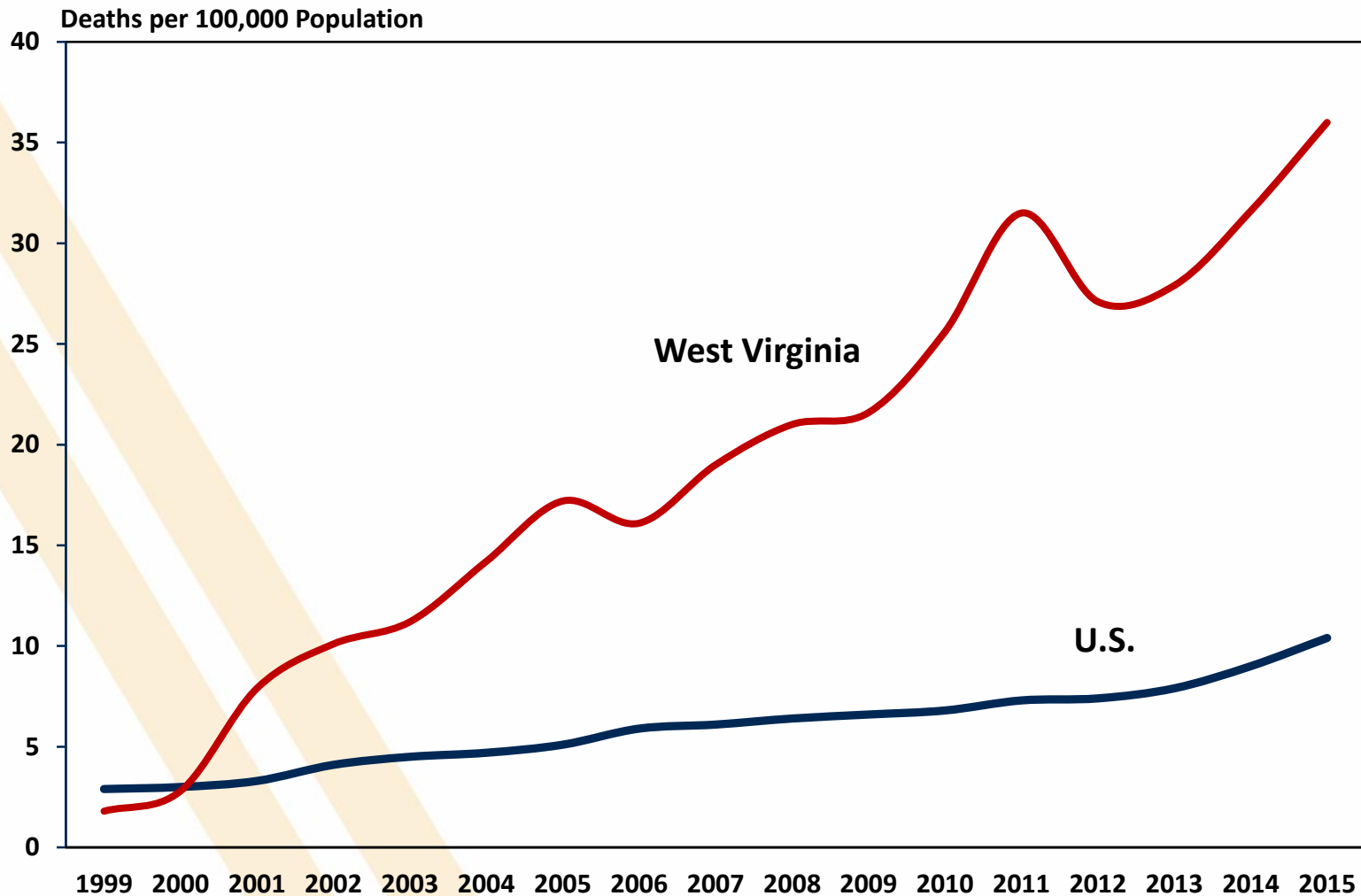


# Opioid-Overdose Deaths, U.S.



Source: Kaiser Family Foundation analysis of Centers for Disease Control and Prevention (CDC), National Center for Health Statistics.  
Note: Rates are age-adjusted, except those for 2005 and 2009, which are calculated using data from WV Health Statistics Center.

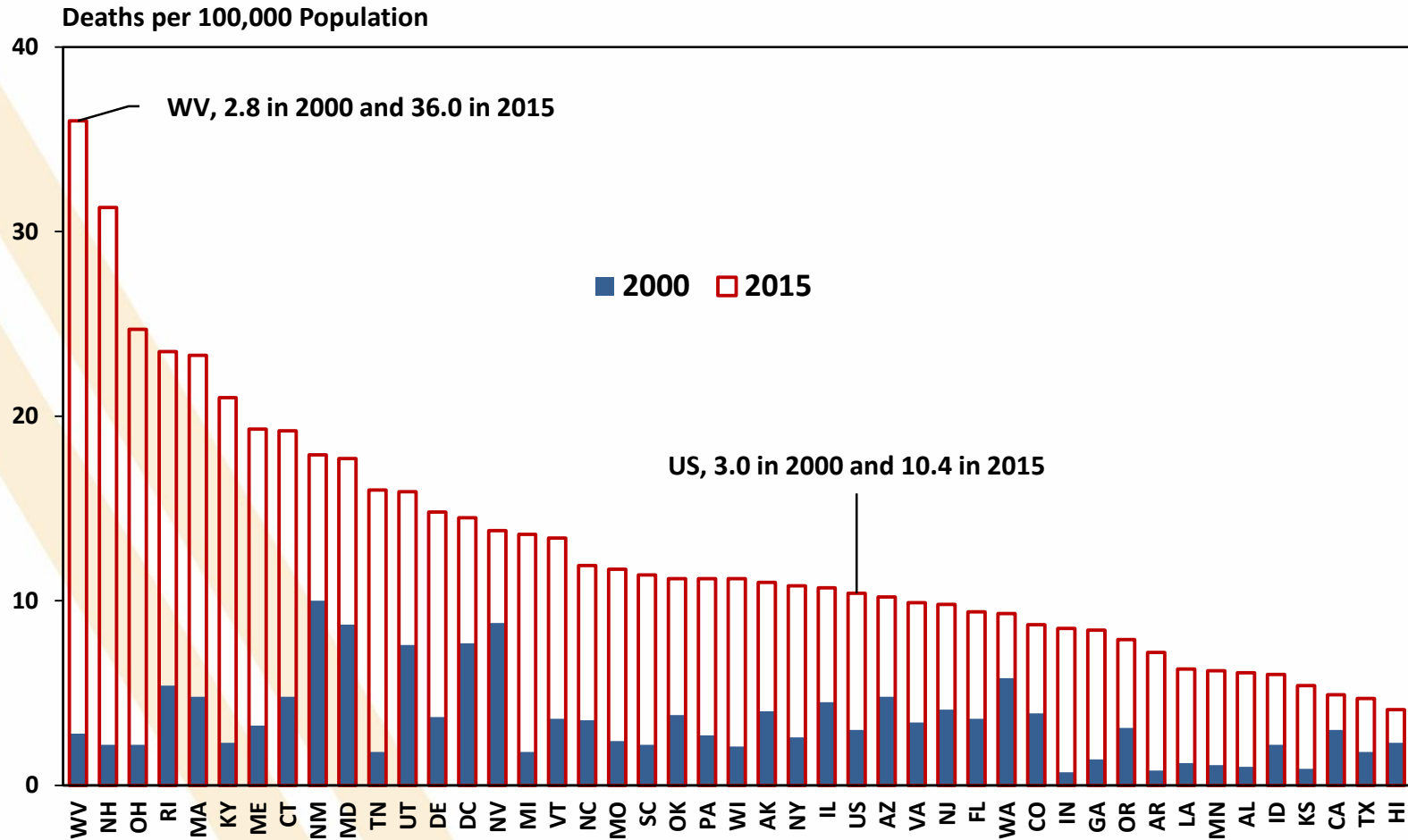
# Opioid-Overdose Deaths, U.S. and WV



Source: Kaiser Family Foundation analysis of Centers for Disease Control and Prevention (CDC), National Center for Health Statistics.

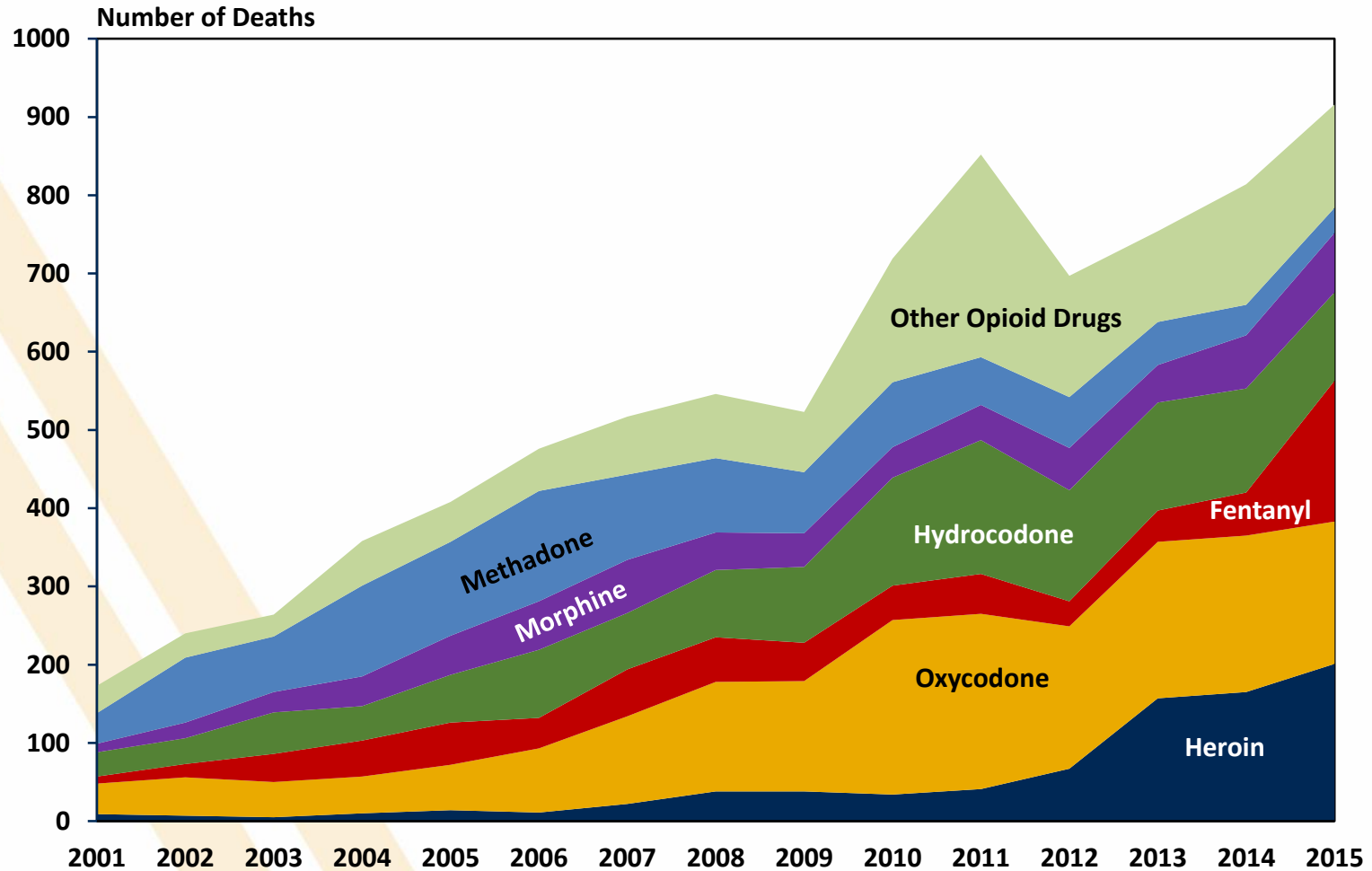
Note: Rates are age-adjusted, except those for 2005 and 2009, which are calculated using data from WV Health Statistics Center.

# Opioid-Overdose Deaths by State



Source: Kaiser Family Foundation analysis of Centers for Disease Control and Prevention (CDC), National Center for Health Statistics.  
 Note: Rates are age-adjusted. States with missing values are not shown.

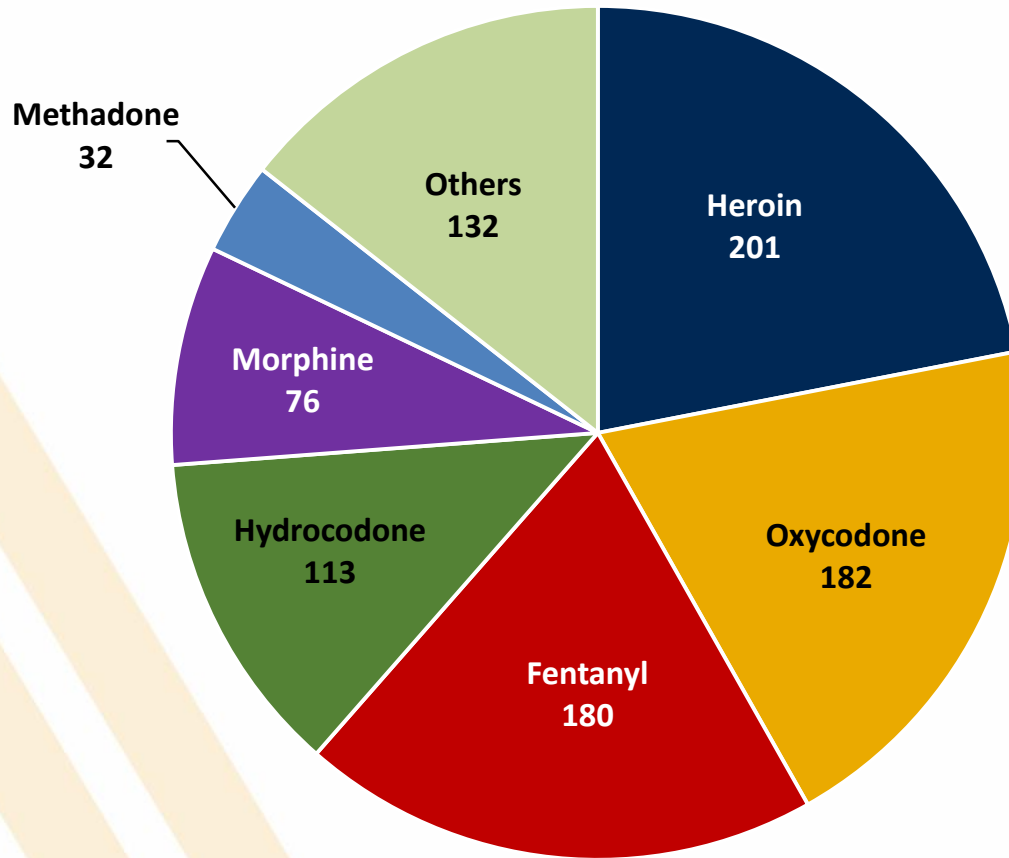
# Opioid-Overdose Deaths by Type, WV



Source: WV Health Statistics Center, Vital Statistics System 2015 Preliminary Data

Note: The number of deaths is higher than the number of victims as one person can consume more than one type of opioid.

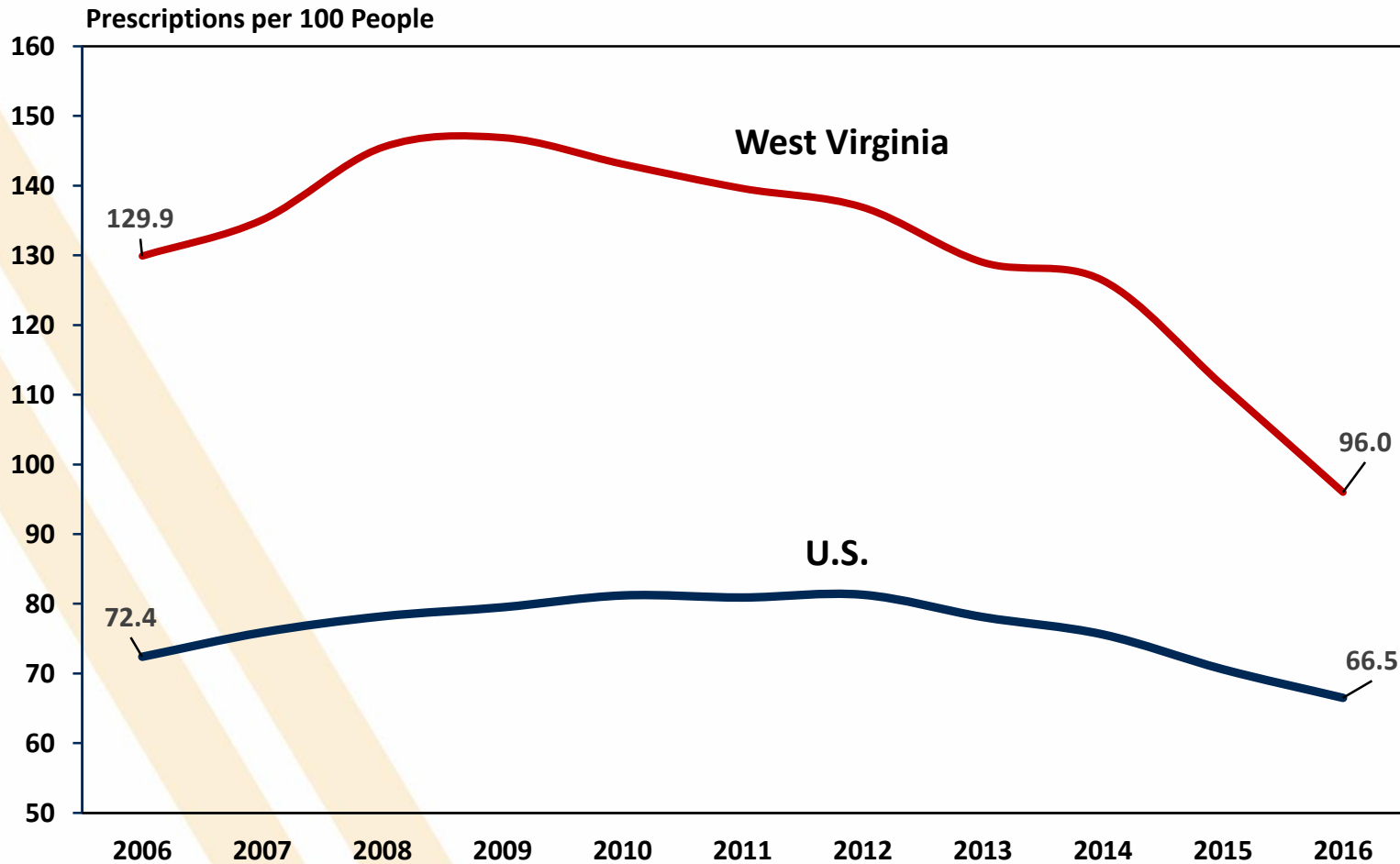
# 638 Opioid Overdose Deaths in WV, by Type, 2015



Source: WV Health Statistics Center, Vital Statistics System 2015 Preliminary Data

Note: The total adds to more than 638 as one person sometimes consumes more than one type of opioid.

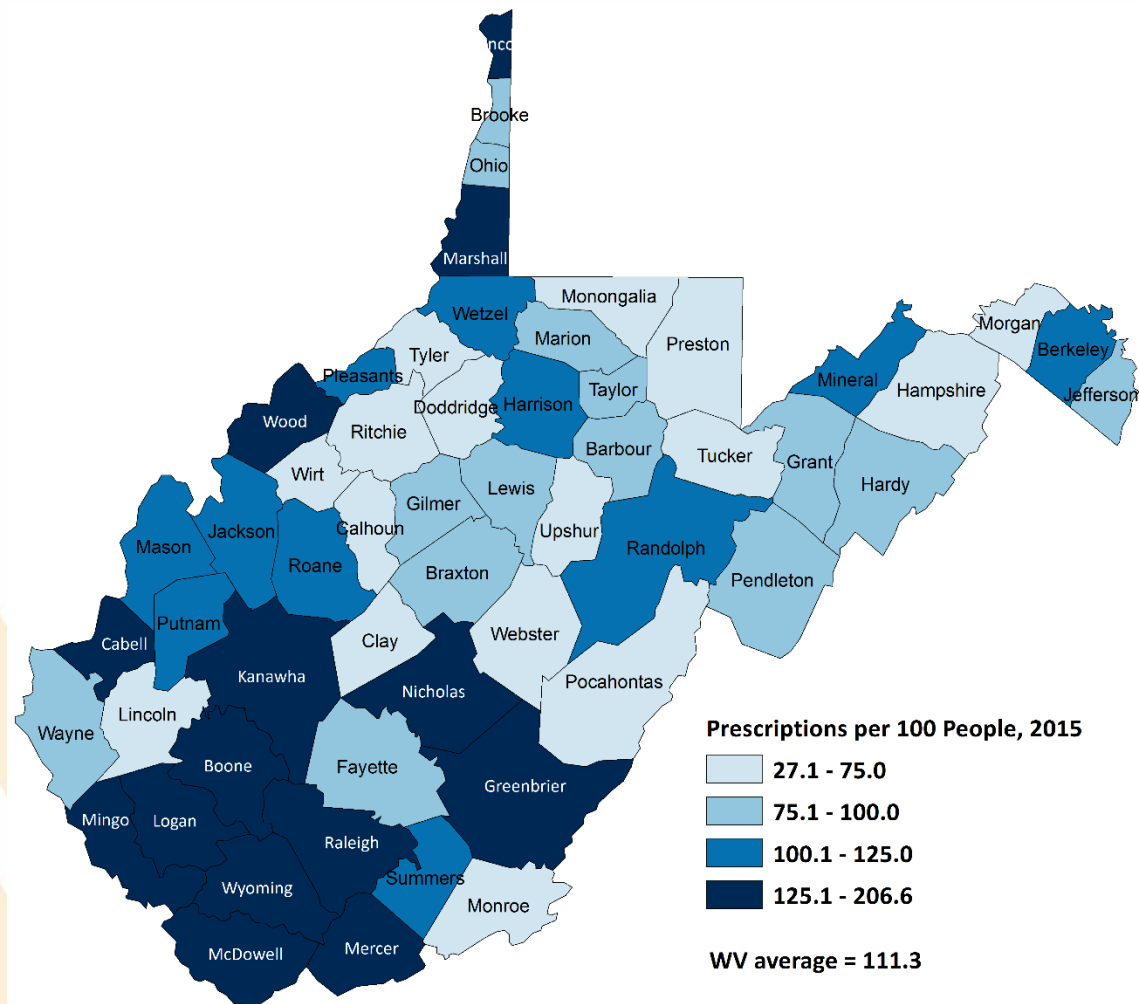
# Opioid Prescribing Rates, WV and the U.S.



Source: Centers for Disease Control and Prevention



# Opioid Prescribing Rates, WV Counties, 2015



Source: Centers for Disease Control and Prevention

# Direct Economic Costs of the Opioid Crisis

## 1. Healthcare Costs

## 2. Substance Abuse Treatment Costs

## 3. Criminal Justice Costs

- Police protection costs
- Legal costs
- Correctional facilities costs
- Property loss due to opioid-related crimes

## 4. Productivity Loss

- Permanent income loss due to overdose death
- Reduced productive hours due to abuse/dependence
- Reduced productive hours due to incarceration

Source: Florence et al., *Medical Care*, 2016, 54: 901-906

# Direct Economic Impacts of Opioid Crisis - Healthcare, Substance Abuse, and Criminal Justice, West Virginia, 2015

**Jobs That Could Be Freed For Other Pursuits:**

**4,318**

**Productive Capacity That Could Be Devoted to Other Pursuits:**

**\$322 Million**

## Economic Impact of Productivity Loss, Non-Fatal, 2015

	Direct	Indirect & Induced	Total
Output (Million \$)	190	126	316
Employment (Jobs)	0	1,033	1,206

# Economic Impact of Productivity Loss for 2006-2015 Fatalities, 2015

	<b>Direct</b>	<b>Indirect &amp; Induced</b>	<b>Total</b>
Output (Million \$)	194	128	322
Employment (Jobs)	4,860	1,045	5,905