

# Key winnable public health battles for the United States

**Tobacco**



**Nutrition,  
Physical Activity,  
Obesity**



**Healthcare-  
Associated  
Infections**



**Food  
Safety**



**Teen  
Pregnancy**



**Motor  
Vehicle  
Injuries**



**HIV**



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# Winnable battles

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- Each area is a leading cause of illness, injury, disability, or death, and/or represents enormous societal costs
- Evidence-based, scalable interventions already exist and can be broadly implemented
- Our effort can make a difference
- We can get results within 1 to 4 years—but it won't be easy



# Tobacco

**Tobacco use is the leading preventable cause of death in the U.S.**



**>40 million U.S. adults smoke**



**500,000**

**Tobacco kills almost 500,000 people in the U.S. each year, >1,300 a day**



**40%**

**2 in 5 or 40% of children ages 3 to 11 are exposed to secondhand smoke**

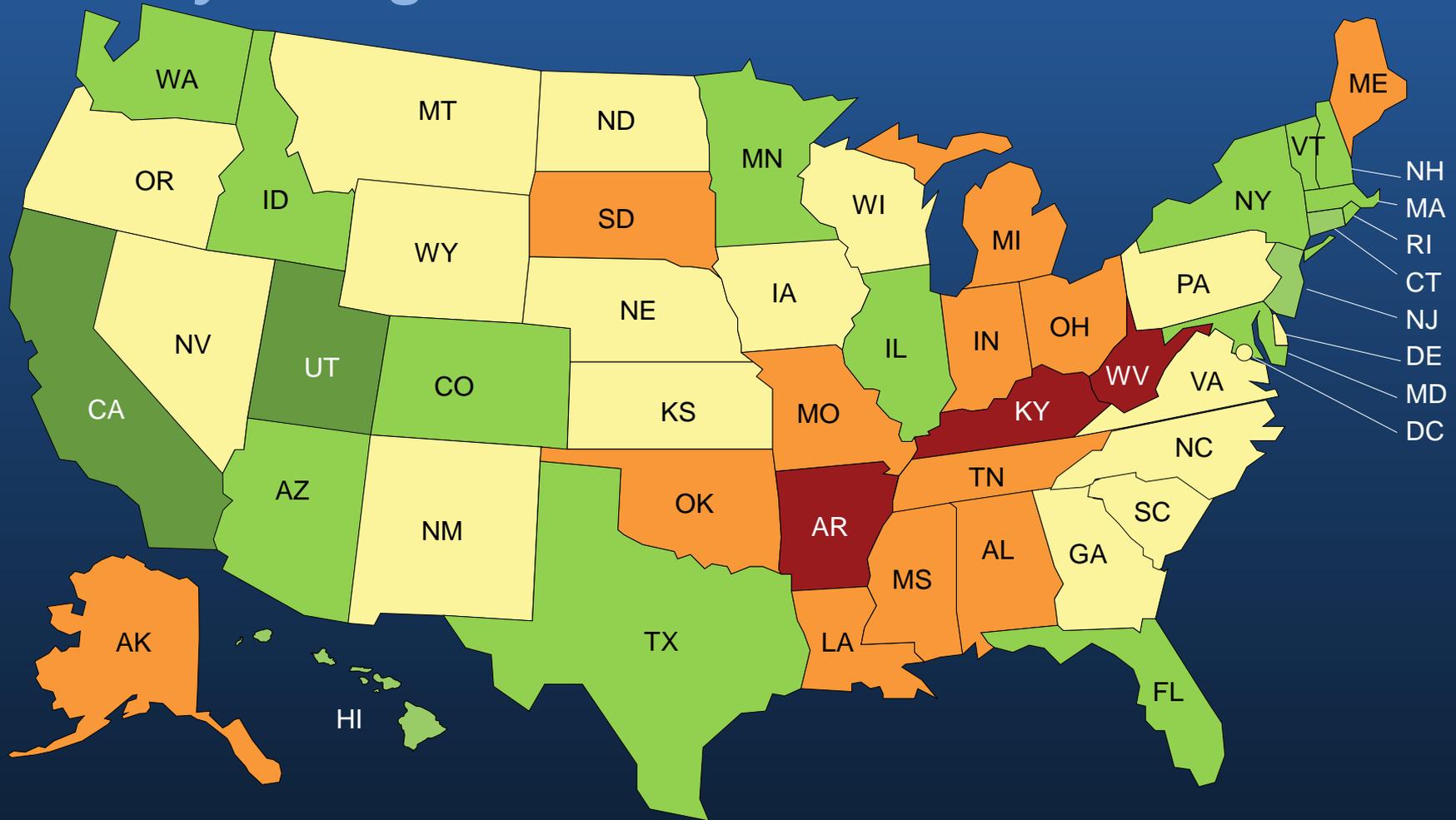


**\$133B**

**The medical expenses of tobacco-related illnesses are at least \$133 billion per year**

# Adult smoking rates vary widely

*Nearly 3x higher in some states than in others*

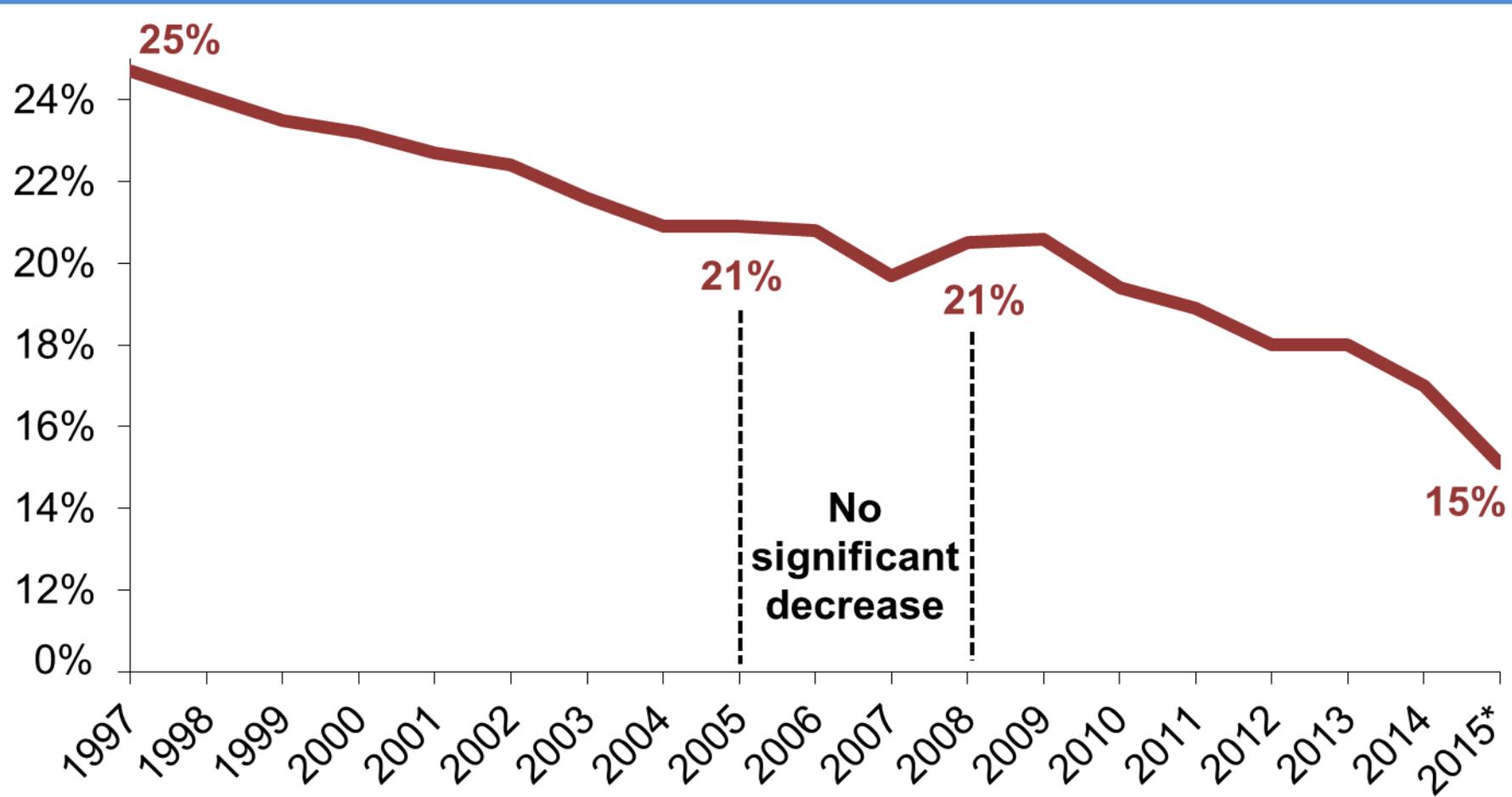


Smoking prevalence (%)

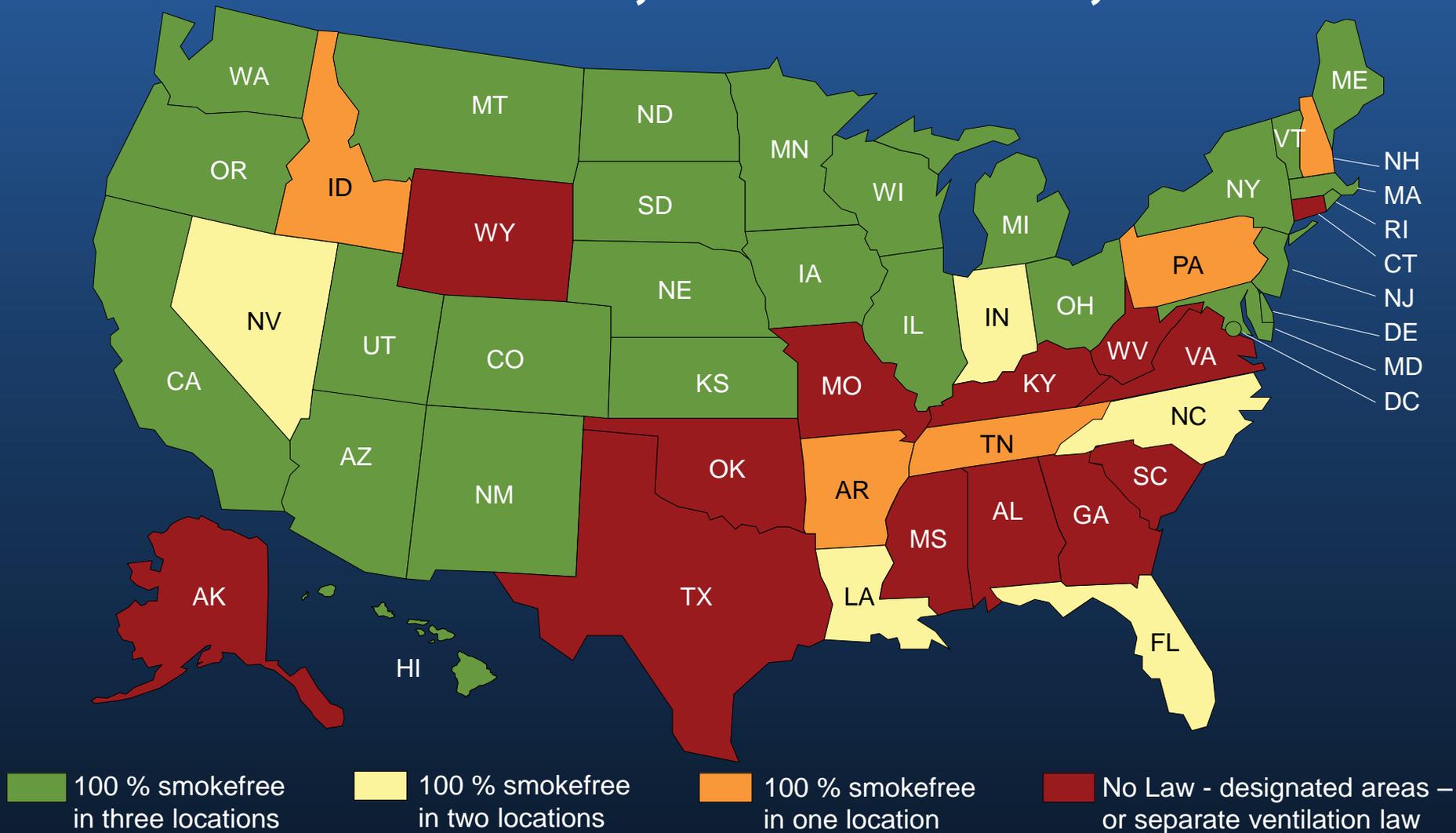
9.1% - <12.8%    12.8% - <16.4%    16.4% - <20.1%    20.1% - <23.7%    23.7% - 27.4%

# Adult smoking rates have fallen in recent years

Prevalence of current smoking among adults age 18+, U.S., 1997–2015



# Many states have passed smoke-free laws in worksites, restaurants, and bars

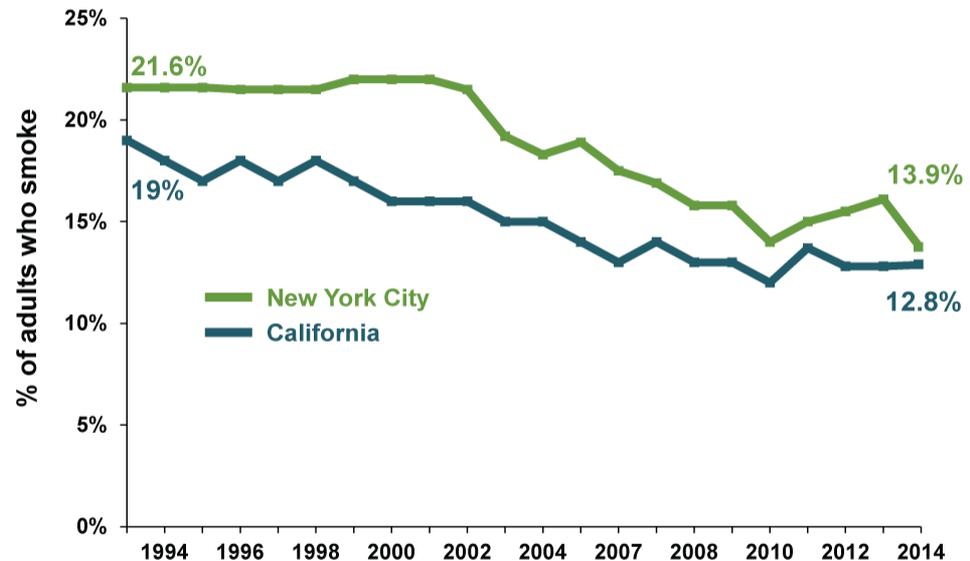


Laws in effect as of September 30, 2016. 1995-2016. Centers for Disease Control and Prevention (CDC). State Tobacco Activities Tracking and Evaluation (STATE) System. Legislation – Smokefree Indoor Air. <http://www.cdc.gov/statesystem/smokefreeindoorair.html>

# Progress in tobacco control

## Smoking gets lower in places that implement effective policies

- More comprehensive smoke-free laws in several states
- CDC's graphic anti-smoking campaign: *Tips From Former Smokers* depicts the devastating consequences of smoking and exposure to secondhand smoke



CA: Behavioral Risk Factor Surveillance System 1984-2014  
NY: <https://a816-healthpsi.nyc.gov/epiquery/>

# 2016 Tips From former Smokers campaign:

Profiles people who are living with the significant  
adverse health effects due to smoking



# Nutrition, physical activity, obesity, and food safety



More than **one-third (36.5%)** of U.S. adults and **17% (12.7 million)** children and adolescents aged 2–19 years are obese



A person who is obese incurs an added **\$1,400** a year in medical costs



**1 in 6 (48 million)** people gets sick each year from contaminated food and **3,000** people die

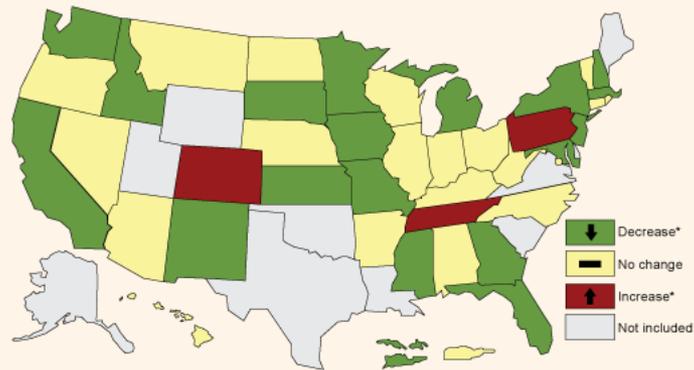


Preventing a single fatal case of *E. coli* O157 infection saves an estimated **\$7 million**



# Progress in nutrition, physical activity, obesity, and food safety

## Many states show decreases in childhood obesity



From 2008 to 2011, obesity among low-income preschoolers declined in 19 of 43 states and territories studied

\* Represents statistically significant annual decrease or increase in obesity  
Source: Pediatric Nutrition Surveillance System, 2008–2011

## *E.coli* O157 infections decreased



*E.coli* O157 infections decreased 44% from 1996-98 to 2015

<http://www.cdc.gov/foodnet/reports/data/incidence-trends.html#figure1>

# Healthcare-associated infections



**>1M**

More than **1 million** infections occur across health care every year



**\$30B**

These infections cost an estimated **\$30 billion** per year



**14,000**

*Clostridium difficile* infections kill **14,000** people in the U.S. annually

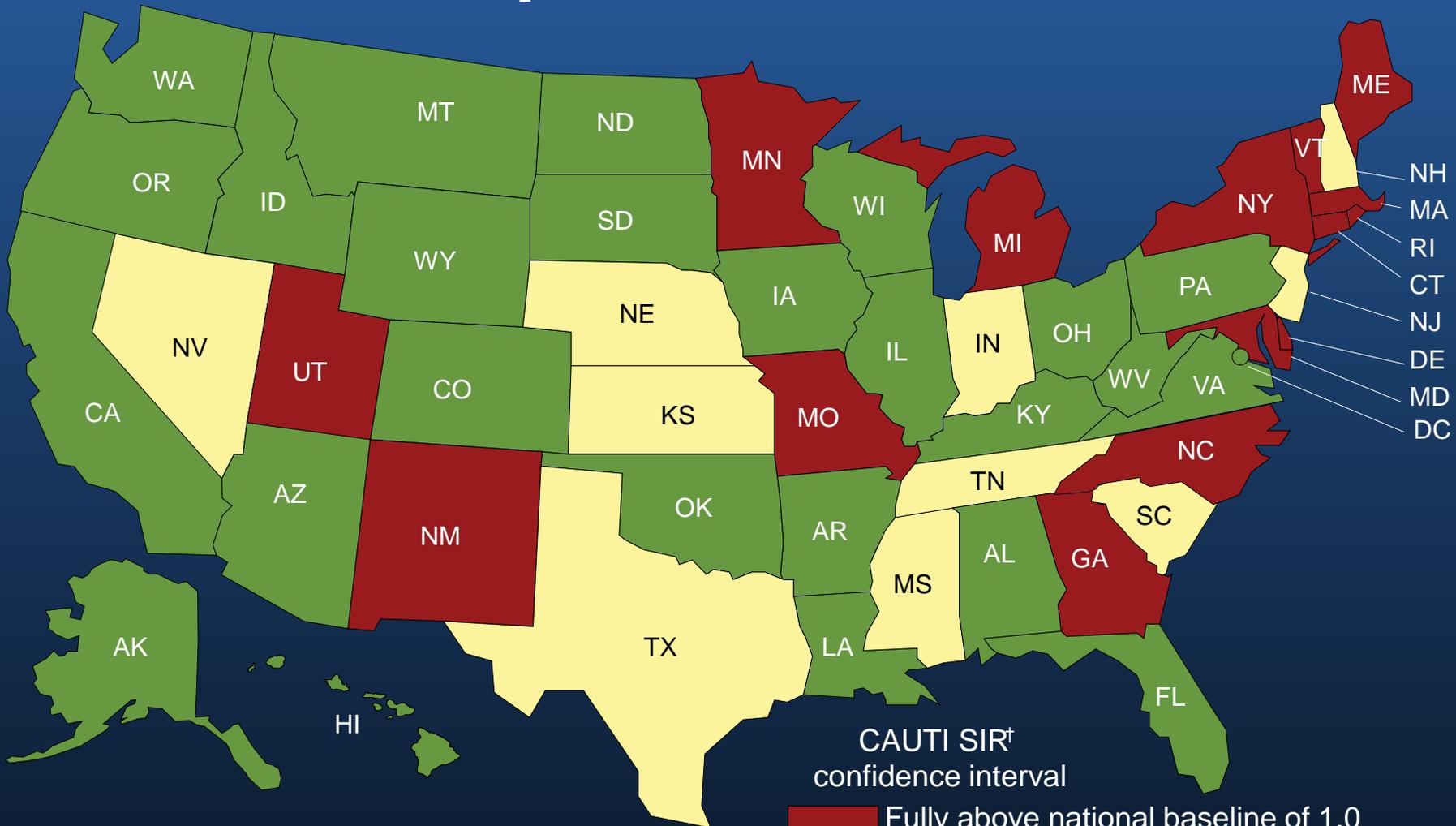


**1 in 2**

**CRE\*** microbes kill **up to half** of patients who get bloodstream infections from them

\*Carbapenem-resistant Enterobacteriaceae

# CAUTI\* has improved in some states, but further prevention is needed



\*CAUTI: Catheter-associated urinary tract infections

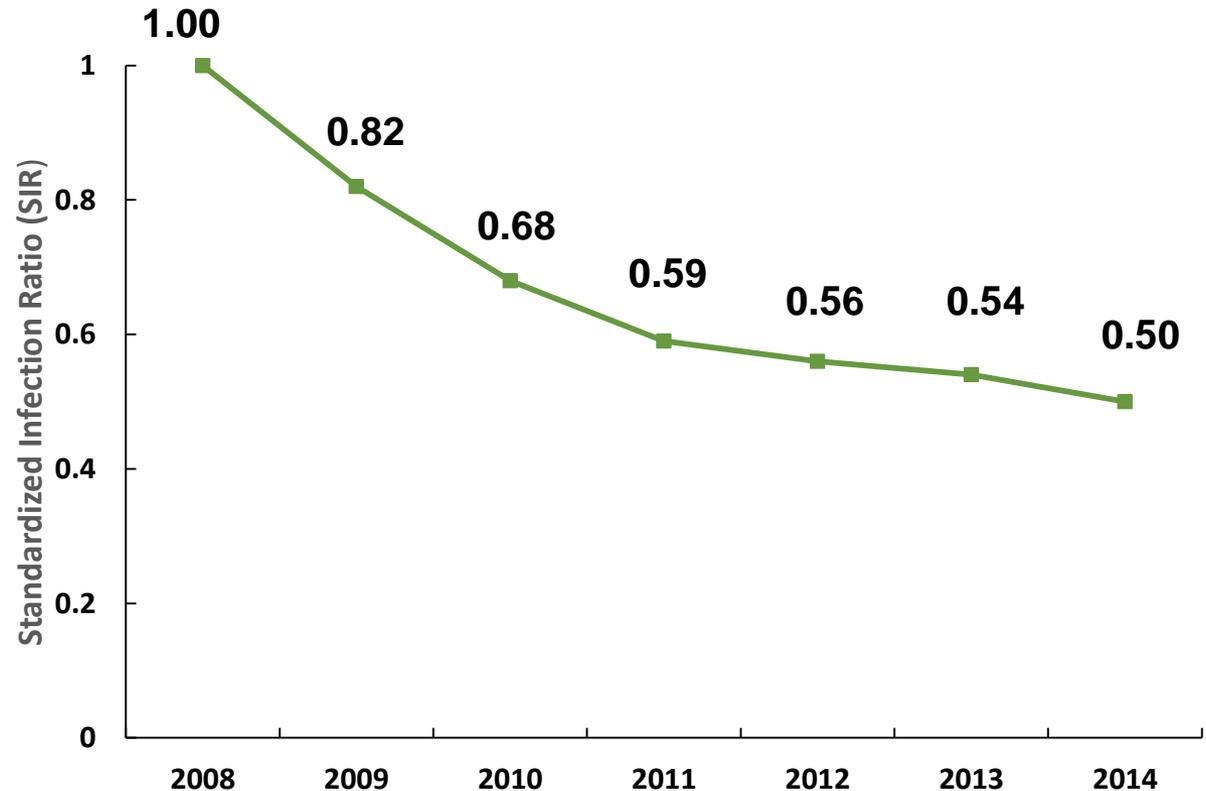
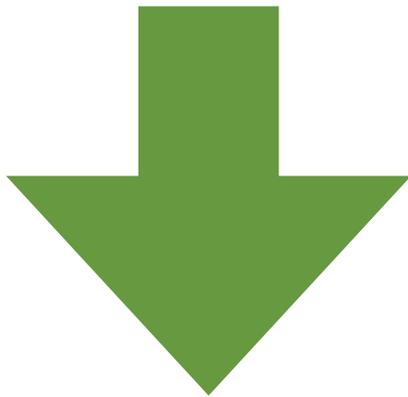
†SIR: Standardized infection ratio

Source: 2014 HAI Progress Report DataTables, Table 4a

# Progress in healthcare-associated infections

## SIR for central-line associated bloodstream infections declined sharply

**-50%**



*National and State Healthcare-associated Infections Progress Report, published January 2016, based on 2014 data;  
[www.cdc.gov/hai/surveillance/progress-report/index.html](http://www.cdc.gov/hai/surveillance/progress-report/index.html)*

# Motor vehicle injuries



**>35,000**



Motor vehicle crashes killed more than **35,000** people in 2015 — that's about **96 people** every day.



**2.3M**

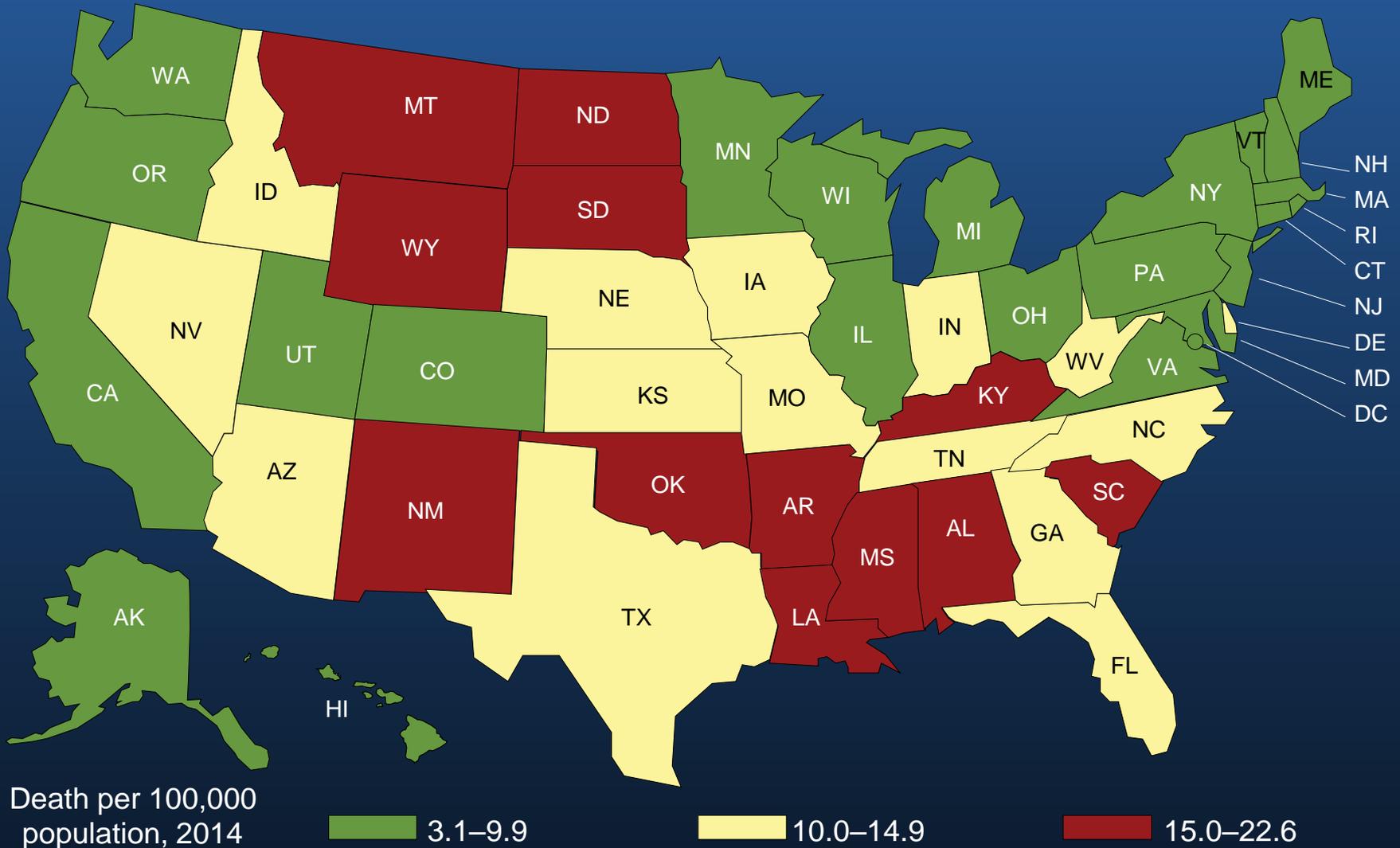
Motor vehicle-related crashes injure more than **2.3 million** people every year



**\$99B**

The annual cost of motor vehicle-related injuries and deaths is **\$99 billion**

# Motor vehicle crash death rates nearly 5x higher in some states than others

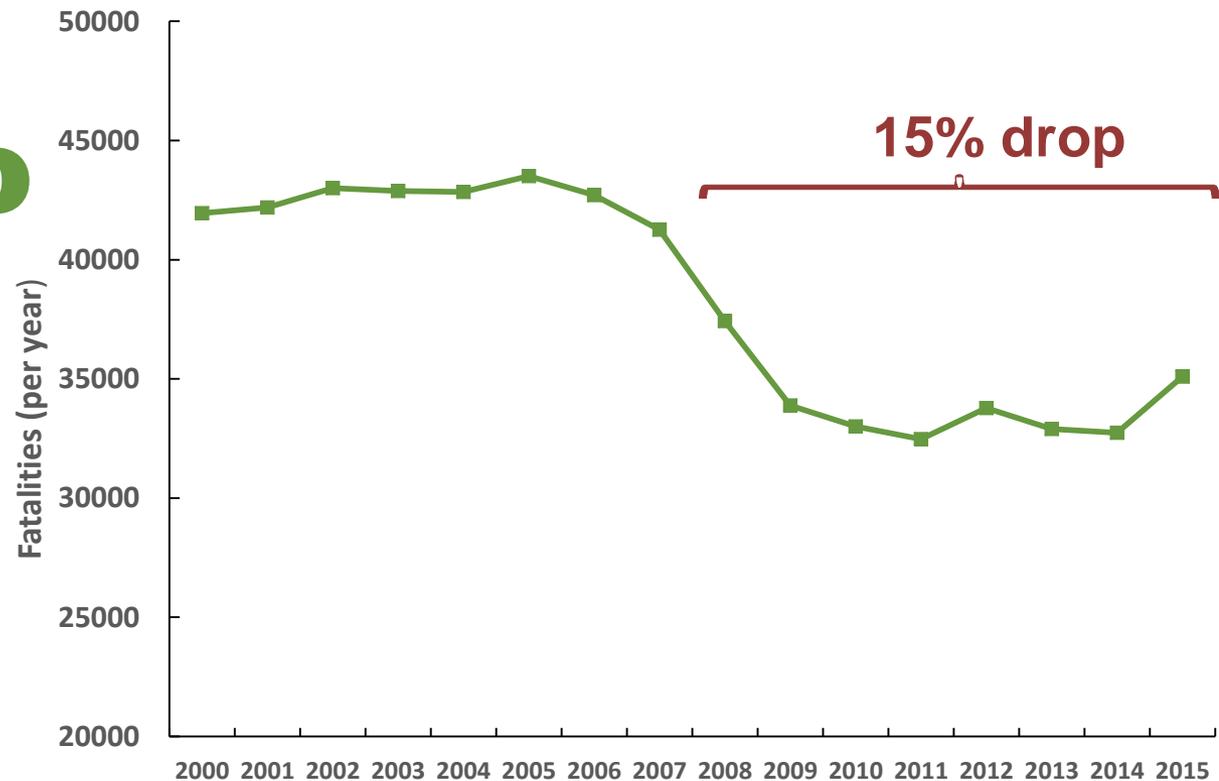
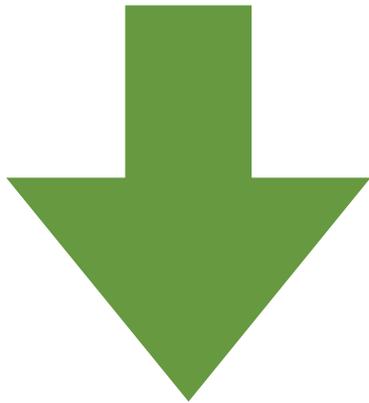


[www.ihs.org/ihs/topics/t/general-statistics/fatalityfacts/state-by-state-overview/2014](http://www.ihs.org/ihs/topics/t/general-statistics/fatalityfacts/state-by-state-overview/2014).  
Individual state numbers for 2015 have not been calculated or released.

# Progress in motor vehicle injuries

## Motor vehicle-related deaths decreased between 2007–2015

**-15%**



# Teen pregnancy



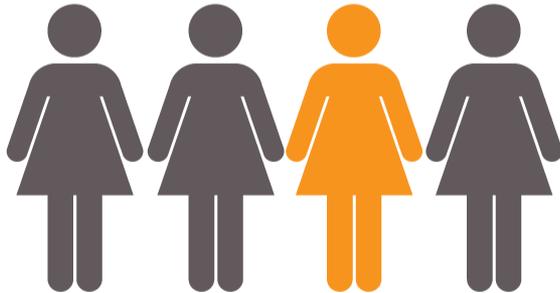
**682**

Every day, **682** teens  
15–19 years old give  
birth in the U.S.



Teen births in the U.S.  
are up to **9 times higher**  
than in most other  
developed countries

**1 in 4**



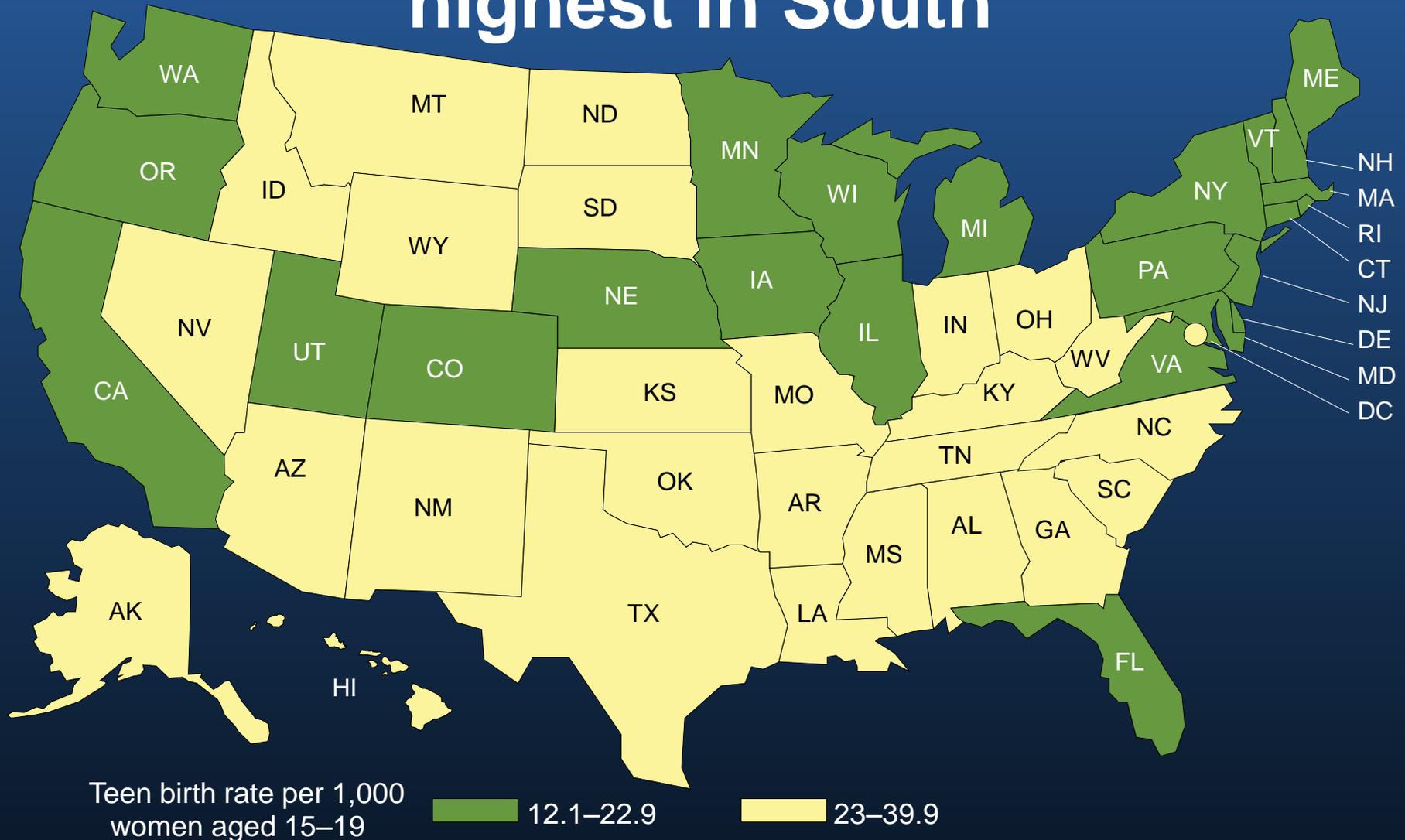
**1 in 4** teen girls will become  
pregnant before age 20. **614,000**  
teen pregnancies every year



**\$9.4B**

Teen childbearing costs  
U.S. taxpayers **\$9.4**  
**billion** every year

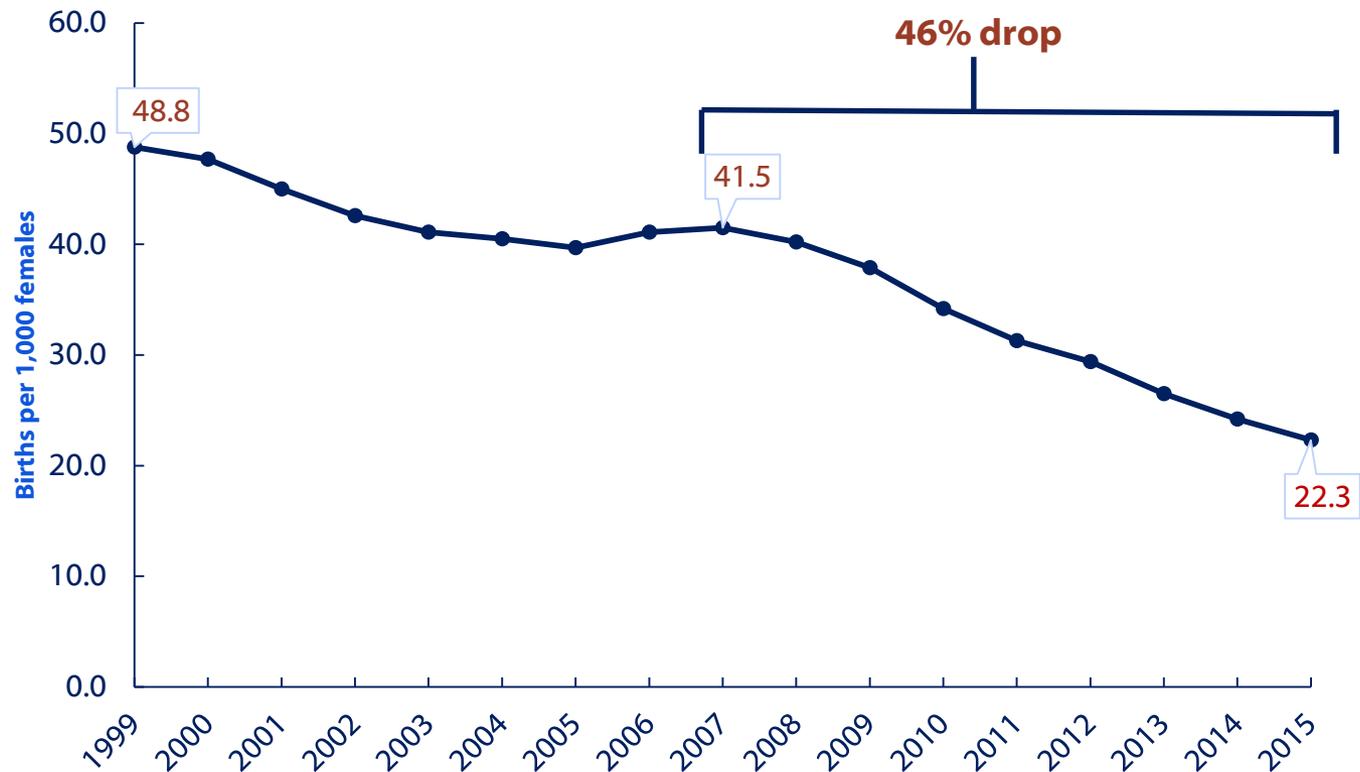
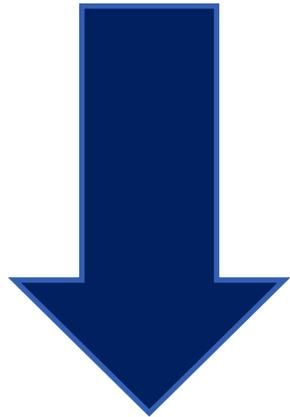
# Teen birth rates lowest in Northeast, upper Midwest, upper Northwest, and highest in South



# Progress in teen pregnancy

## Major decrease in teen births between 2007-2015

**-46%**



# HIV/AIDS



**1.2 million** people in the U.S. are living with HIV



Almost **1 in 8** people do not know they are infected



Only **3 in 10** people with HIV (**30%**) achieve viral suppression



**\$400,000**

The lifetime cost of treating one HIV-infected person is **\$400,000**

# Achieving Viral Suppression

*Of those diagnosed with HIV*



Linked to Care

74.5%



Retained in Care

56.5%



Virally Suppressed

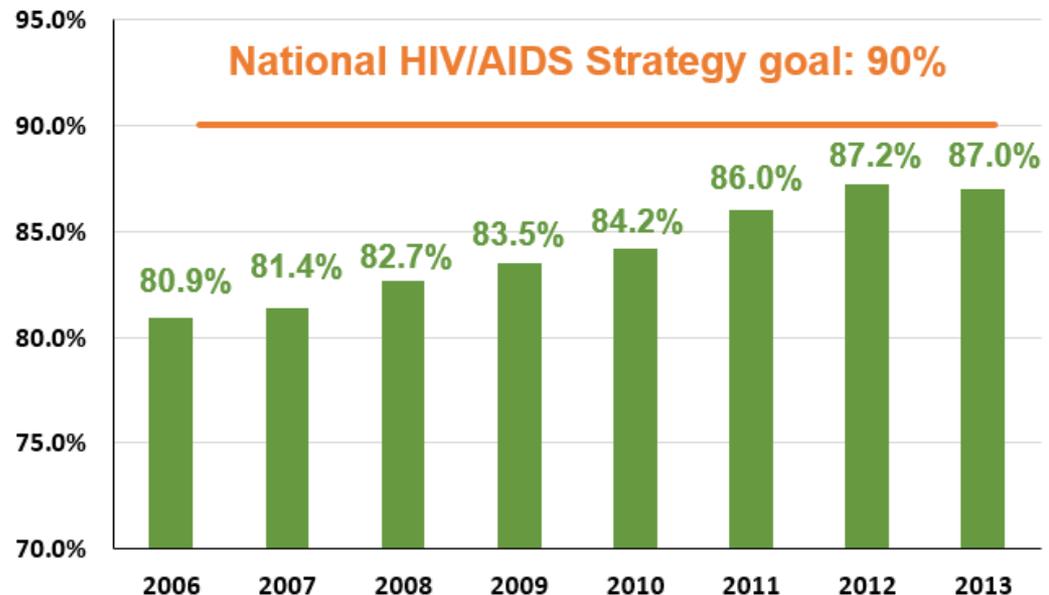
54.7%



# Progress in HIV/AIDS

## More Americans with HIV/AIDS know their status than ever before

More than  
**3 million**  
adults  
Were tested for  
HIV in 2013



CDC. Monitoring selected national HIV prevention and care objectives using HIV surveillance data—United States and 6 dependent areas—2014. *HIV Surveillance Supplemental Report* 2016; 21(4). Available at <http://www.cdc.gov/hiv/library/reports/surveillance/>.



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