

## CHAPTER 24

# Injury and Violence Prevention (IVP)

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### Lead Agency

Centers for Disease Control and Prevention

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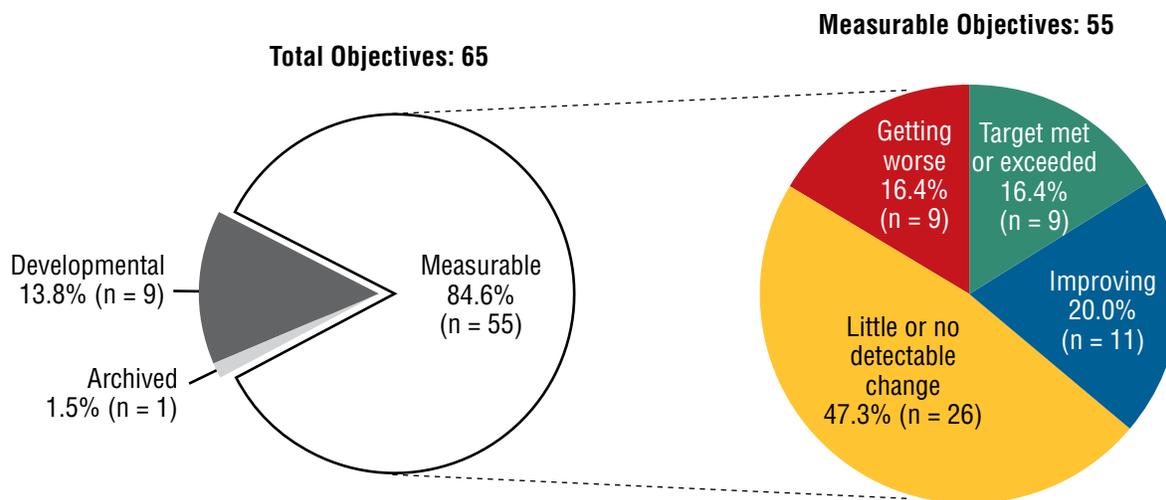
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## Goal: Prevent unintentional injuries and violence, and reduce their consequences.

This chapter includes objectives related to injuries and violence, including fatal and nonfatal injuries, relevant behaviors, the availability of injury surveillance systems, and state laws for unintentional injury prevention. The **Reader's Guide** provides a step-by-step explanation of the content of this chapter, including criteria for highlighting objectives in the Selected Findings.<sup>1</sup>

### Status of Objectives

**Figure 24-1. Midcourse Status of the Injury and Violence Prevention Objectives**



Of the 65 objectives in the Injury and Violence Prevention Topic Area, 1 was archived,<sup>2</sup> 9 were developmental,<sup>3</sup> and 55 were measurable<sup>4</sup> (Figure 24-1, Table 24-1). The midcourse status of the measurable objectives (Table 24-2) was as follows:

- 9 objectives had met or exceeded their 2020 targets,<sup>5</sup>
- 11 objectives were improving,<sup>6</sup>
- 26 objectives had demonstrated little or no detectable change,<sup>7</sup> and
- 9 objectives were getting worse.<sup>8</sup>

### Selected Findings

#### INJURY PREVENTION

##### Injuries

- The age-adjusted rate of **injury deaths** (IVP-1.1) per 100,000 population decreased from 59.7 in 2007 to 58.8 in 2013, moving toward the 2020 target (Table 24-2).

- » In 2013, there were statistically significant disparities by sex, race and ethnicity, and geographic location in the age-adjusted injury death rate (IVP-1.1, Table 24-3).
- The age-adjusted rate of **nonfatal injury hospitalizations** (IVP-1.2) per 100,000 population demonstrated little or no detectable change between 2007 (617.6) and 2010 (598.6) (Table 24-2).
  - » In 2010, there was a statistically significant disparity by race in the age-adjusted rate of nonfatal injury hospitalizations (IVP-1.2, Table 24-3). The disparity by sex was not statistically significant.
- The age-adjusted rate of **emergency department visits for nonfatal injuries** (IVP-1.3) per 100,000 population increased from 8,370.4 in 2007 to 10,163.7 in 2011, moving away from the baseline and 2020 target (Table 24-2).
  - » In 2011, there were statistically significant disparities by sex and race and ethnicity in the age-adjusted emergency department visit rate for nonfatal injuries (IVP-1.3, Table 24-3).

The disparity by provider's geographic location was not statistically significant.

- The age-adjusted rate of **traumatic brain injury deaths** (IVP-2.1) per 100,000 population decreased from 17.4 in 2007 to 16.3 in 2013, moving toward the 2020 target (Table 24-2).
  - » In 2013, there were statistically significant disparities by sex, race and ethnicity, and geographic location in the age-adjusted traumatic brain injury death rate (IVP-2.1, Table 24-3).
- The age-adjusted rate of **nonfatal traumatic brain injury hospitalizations** (IVP-2.2) per 100,000 population demonstrated little or no detectable change between 2007 (85.6) and 2010 (96.6) (Table 24-2).
  - » In 2010, there were statistically significant disparities by sex and race in the age-adjusted rate of nonfatal traumatic brain injury hospitalizations (IVP-2.2, Table 24-3).
- The age-adjusted rate of **emergency department visits for nonfatal traumatic brain injuries** (IVP-2.3) per 100,000 population increased from 407.2 in 2007 to 770.3 in 2011, moving away from the baseline and 2020 target (Table 24-2).
  - » In 2011, there was a statistically significant disparity by sex for the age-adjusted rate of emergency department visits for nonfatal traumatic brain injuries (IVP-2.3, Table 24-3). The disparities by race and ethnicity and provider's geographic location were not statistically significant.
- The age-adjusted rate of **spinal cord injury deaths** (IVP-3.1) per 100,000 population decreased from 0.53 in 2007 to 0.48 in 2013, meeting the 2020 target (Table 24-2).
  - » In 2013, there were statistically significant disparities by sex, race and ethnicity, and geographic location in the age-adjusted spinal cord injury death rate (IVP-3.1, Table 24-3).

### Access to Care

- The proportion of **statewide emergency department data systems collecting external-cause-of-injury codes** (IVP-6) increased from 67.9% in 2008 to 82.8% in 2012, moving toward the 2020 target (Table 24-2).
- The proportion of **statewide hospital discharge data systems collecting external-cause-of-injury codes** (IVP-7) increased from 64.3% in 2008 to 73.3% in 2012, moving toward the 2020 target (Table 24-2).

- The proportion of **persons in the continental United States who lived within 1 hour of a trauma center** (IVP-8.1) increased from 83.1% in 2009 to 90.7% in 2010, moving toward the 2020 target (Table 24-2).
- The percentage of the **continental United States land mass that was within 1 hour of a trauma center** (IVP-8.2) increased from 28.7% in 2009 to 40.9% in 2010, exceeding the 2020 target (Table 24-2).

### Poisonings

- The age-adjusted rate of **poisoning deaths** (IVP-9.1) per 100,000 population increased from 13.2 in 2007 to 15.2 in 2013, moving away from the baseline and 2020 target (Table 24-2).
  - » In 2013, 13 states had met the national 2020 target (IVP-9.1, Map 24-1).
  - » In 2013, there were statistically significant disparities by sex, race and ethnicity, and geographic location in the age-adjusted rate of poisoning deaths (IVP-9.1, Table 24-3).
- The rate of **poisoning deaths among persons aged 35-54** (IVP-9.2) per 100,000 population increased from 25.6 in 2007 to 28.0 in 2013, moving away from the baseline and 2020 target (Table 24-2).
  - » In 2013, there were statistically significant disparities by sex, race and ethnicity, and geographic location in the rate of poisoning deaths among persons aged 35-54 (IVP-9.2, Table 24-3).
- The age-adjusted rate of **poisoning deaths of unintentional or undetermined intent** (IVP-9.3) per 100,000 population increased from 11.1 in 2007 to 13.2 in 2013, moving away from the baseline and 2020 target (Table 24-2).
  - » In 2013, there were statistically significant disparities by sex, race and ethnicity, and geographic location in the age-adjusted rate of poisoning deaths of unintentional or undetermined intent (IVP-9.3, Table 24-3).
- The rate of **poisoning deaths of unintentional or undetermined intent among persons aged 35-54** (IVP-9.4) per 100,000 population increased from 21.6 in 2007 to 24.3 in 2013, moving away from the baseline and 2020 target (Table 24-2).
  - » In 2013, there were statistically significant disparities by sex, race and ethnicity, and geographic location in poisoning deaths of unintentional or undetermined intent among persons aged 35-54 (IVP-9.4, Table 24-3).

- The age-adjusted rate of **emergency department visits for nonfatal poisonings** (IVP-10) per 100,000 population increased from 304.8 in 2008 to 414.6 in 2013, moving away from the baseline and 2020 target (Table 24-2).
  - » In 2013, there was a statistically significant disparity by sex in the age-adjusted emergency department visit rate for nonfatal poisonings (IVP-10, Table 24-3).

## UNINTENTIONAL INJURY PREVENTION

### Unintentional Injuries

- The age-adjusted rate of **unintentional injury deaths** (IVP-11) per 100,000 population decreased from 40.4 in 2007 to 39.4 in 2013, moving toward the 2020 target (Table 24-2).
  - » In 2013, there were statistically significant disparities by sex, race and ethnicity, and geographic location in the age-adjusted unintentional injury death rate (IVP-11, Table 24-3).
- There was little or no detectable change in the age-adjusted rate of **emergency department visits for nonfatal unintentional injuries** (IVP-12) per 100,000 population between 2008 and 2013 (9,233.5 and 9,149.8, respectively) (Table 24-2).
  - » In 2013, there was a statistically significant disparity by sex in the age-adjusted rate of emergency department visits for nonfatal unintentional injuries (IVP-12, Table 24-3).

### Motor Vehicle, Pedestrian, and Cyclist Injuries

- The age-adjusted rate of **motor vehicle crash deaths** (IVP-13.1) per 100,000 population declined from 13.8 in 2007 to 10.5 in 2013, exceeding the 2020 target (Table 24-2).
  - » In 2013, 33 states and the District of Columbia had achieved the national 2020 target for motor vehicle crash deaths (IVP-13.1, Map 24-2).
  - » In 2013, there were statistically significant disparities by sex, race and ethnicity, and geographic location in the age-adjusted rate of motor vehicle crash deaths (IVP-13.1, Table 24-3).
- The rate of **motor vehicle crash deaths on public roads** (IVP-13.2) per 100 million miles driven declined from 1.3 deaths in 2008 to 1.1 deaths in 2013, exceeding the 2020 target (Table 24-2).

- The rate of **nonfatal motor vehicle crash injuries on public roads** (IVP-14) per 100,000 population demonstrated little or no detectable change from 2008 to 2013 (771.4 and 731.6, respectively) (Table 24-2).
  - » In 2013, the disparity by sex in nonfatal motor vehicle crash injuries (IVP-14) was not statistically significant (Table 24-3).
- The proportion of **persons who wore safety belts while driving or riding in a car** (IVP-15) increased from 84% in 2009 to 87% in 2014, moving toward the 2020 target (Table 24-2).
  - » In 2014, the disparity by geographic location in the proportion of persons who wore safety belts while driving or riding in a car (IVP-15) was not statistically significant (Table 24-3).
- Between 2008 and 2013, the rate of **pedestrian deaths on public roads** (IVP-18) per 100,000 population demonstrated little or no detectable change (1.5 and 1.5, respectively), as did the rate of **nonfatal pedestrian injuries on public roads** (IVP-19) per 100,000 population (22.6 and 20.9, respectively); and the rate of **pedalcyclist deaths on public roads** (IVP-20) per 100,000 population (0.24 and 0.24, respectively) (Table 24-2).
  - » In 2013, the disparity by sex in pedestrian deaths on public roads (IVP-18) was not tested for statistical significance (Table 24-3).
  - » In 2013, there was a statistically significant disparity by sex in nonfatal pedestrian injuries on public roads (IVP-19, Table 24-3).
  - » In 2013, the disparity by sex in pedalcyclist deaths on public roads (IVP-20) was not tested for statistical significance (Table 24-3).
- The proportion of **motorcycle operators and passengers who use helmets** (IVP-22) demonstrated little or no detectable change from 2009 to 2014 (67% and 64%, respectively) (Table 24-2).
  - » In 2014, the disparity by geographic location in helmet use by motorcycle operators and passengers (IVP-22) was not statistically significant (Table 24-3).

### Other Unintentional Injuries

- Between 2007 and 2013, the age-adjusted rate of **deaths from unintentional falls** (IVP-23.1) per 100,000 population increased from 7.2 to 8.5, moving away from the baseline and 2020 target (Table 24-2).

- » In 2013, there were statistically significant disparities by sex, race and ethnicity, and geographic location in the age-adjusted death rate from unintentional falls (IVP-23.1, Table 24-3).
  - Between 2007 and 2013, the age-adjusted rate of **deaths from unintentional falls among persons aged 65 and over** (IVP-23.2) per 100,000 population increased from 47.0 to 56.7, moving away from the baseline and 2020 target (Table 24-2).
    - » In 2013, there were statistically significant disparities by sex and race and ethnicity in the age-adjusted death rate from unintentional falls among persons aged 65 and over (IVP-23.2, Table 24-3). The disparity by geographic location was not statistically significant.
  - The age-adjusted rate of **unintentional suffocation deaths** (IVP-24.1) per 100,000 population demonstrated little or no detectable change between 2007 and 2013 (2.0 and 2.0, respectively) (Table 24-2).
    - » In 2013, there were statistically significant disparities by sex, race and ethnicity, and geographic location in the age-adjusted unintentional suffocation death rate (IVP-24.1, Table 24-3).
  - The rate of **unintentional suffocation deaths among infants aged 0-12 months** (IVP-24.2) per 100,000 population demonstrated little or no detectable change between 2007 and 2013 (23.1 and 24.8, respectively) (Table 24-2).
    - » In 2013, there were statistically significant disparities by sex, race and ethnicity, and geographic location in unintentional suffocation deaths among infants aged 0-12 months (IVP-24.2, Table 24-3).
  - The age-adjusted rate of **unintentional suffocation deaths among adults aged 65 and over** (IVP-24.3) per 100,000 population demonstrated little or no detectable change between 2007 and 2013 (8.3 and 8.1, respectively) (Table 24-2).
    - » In 2013, there were statistically significant disparities by sex, race and ethnicity, and geographic location in the age-adjusted rate of unintentional suffocation deaths among adults aged 65 and over (IVP-24.3, Table 24-3).
  - The age-adjusted rate of **deaths due to drowning** (IVP-25) per 100,000 population declined from 1.2 in 2007 to 1.1 in 2013, meeting the 2020 target (Table 24-2).
    - » In 2013, there were statistically significant disparities by sex, race and ethnicity, and geographic location in the age-adjusted death rate due to drowning (IVP-25, Table 24-3).
  - There was little or no detectable change in the age-adjusted rate of **sports and recreation injuries that required medical consultation** (IVP-26) per 1,000 population between 2008 and 2014 (46.6 and 45.0, respectively) (Table 24-2).
    - » In 2014, there were statistically significant disparities by sex, race and ethnicity, education, and family income in the age-adjusted rate of sports and recreation injuries that required medical consultation (IVP-26, Table 24-3). The disparities by disability status and geographic location were not statistically significant.
  - Between 2006 and 2014, the proportion of **public and private schools that required students to use appropriate protective gear during physical education classes** (IVP-27.1) increased from 76.8% to 84.2%; and the proportion that required **use of appropriate protective gear for intramural activities and physical activity clubs** (IVP-27.2) increased from 85.8% to 93.1%, moving toward their respective 2020 targets (Table 24-2).
  - The age-adjusted rate of **residential fire deaths** (IVP-28) per 100,000 population declined from 0.95 in 2007 to 0.70 in 2013, exceeding the 2020 target (Table 24-2).
    - » In 2013, there were statistically significant disparities by sex, race and ethnicity, and geographic location in the age-adjusted residential fire death rate (IVP-28, Table 24-3).
- ## VIOLENCE PREVENTION
- The age-adjusted rate of **homicides** (IVP-29) per 100,000 population declined from 6.1 in 2007 to 5.2 in 2013, exceeding the 2020 target (Table 24-2).
    - » In 2013, there were statistically significant disparities by sex, race and ethnicity, and geographic location in the age-adjusted homicide rate (IVP-29, Table 24-3).
  - There was little or no detectable change in the age-adjusted rate of **firearm-related deaths** (IVP-30) per 100,000 population between 2007 and 2013 (10.3 and 10.4, respectively) (Table 24-2).
    - » In 2013, there were statistically significant disparities by sex, race and ethnicity, and geographic location in the age-adjusted firearm-related death rate (IVP-30, Table 24-3).

- There was little or no detectable change in the rate of **emergency department visits for nonfatal firearm-related injuries** (IVP-31) per 100,000 population between 2007 and 2013 (20.7 and 23.8, respectively) (Table 24–2).
  - » In 2013, there was a statistically significant disparity by sex in emergency department visits for nonfatal firearm-related injuries (IVP-31, Table 24–3).
- There was little or no detectable change in the age-adjusted rate of **emergency department visits for nonfatal physical assault injuries** (IVP-32) per 100,000 population between 2008 and 2013 (512.5 and 508.9, respectively) (Table 24–2).
  - » In 2013, there was a statistically significant disparity by sex in the age-adjusted rate of emergency department visits for nonfatal physical assault injuries (IVP-32, Table 24–3).
- The rate of **physical assaults among persons aged 12 years and over** (IVP-33) per 1,000 population demonstrated little or no detectable change between 2008 and 2013 (21.3 and 19.6, respectively) (Table 24–2).
  - » In 2013, there were statistically significant disparities by race and ethnicity, education, and family income in physical assaults among persons aged 12 years and over (IVP-33, Table 24–3). The disparity by sex was not statistically significant.
- The proportion of **adolescents in grades 9–12 who engaged in physical fighting during the past 12 months** (IVP-34) decreased from 31.5% in 2009 to 24.7% in 2013, exceeding the 2020 target (Table 24–2).
  - » In 2013, there were statistically significant disparities by sex and race and ethnicity in the proportion of adolescents in grades 9–12 who engaged in physical fighting during the past 12 months (IVP-34, Table 24–3).
- **Bullying among adolescents in grades 9–12** (IVP-35) demonstrated little or no detectable change between 2009 and 2013 (19.9% and 19.6%, respectively) (Table 24–2).
  - » In 2013, there were statistically significant disparities by sex and race and ethnicity in bullying among adolescents in grades 9–12 (IVP-35, Table 24–3).
- **Weapon carrying on school property by adolescents in grades 9–12** (IVP-36) demonstrated little or no detectable change between 2009 and 2013 (5.6% and 5.2%, respectively) (Table 24–2).
  - » In 2013, there was a statistically significant disparity by sex in weapon carrying on school property by adolescents in grades 9–12 (IVP-36, Table 24–3). The disparity by race and ethnicity was not statistically significant.
- The rate of **child maltreatment deaths<sup>9</sup> among children and youth under age 18** (IVP-37) per 100,000 population declined from 2.3 in 2008 to 2.1 in 2013, meeting the 2020 target (Table 24–2).
  - » In 2013, the disparity by sex in child maltreatment deaths among children and youth under age 18 was not tested for statistical significance (IVP-37, Table 24–3).
- The rate of **nonfatal maltreatment of children and youth under age 18** (IVP-38) per 1,000 population decreased from 9.4 in 2008 to 9.1 in 2013, moving toward the 2020 target (Table 24–2).
  - » In 2013, the disparity by sex in nonfatal maltreatment of children and youth under age 18 was not tested for statistical significance (IVP-38, Table 24–3).
- The age-adjusted rate of **emergency department visits for nonfatal intentional self-harm injuries** (IVP-41) per 100,000 population demonstrated little or no detectable change from 2008 to 2013 (124.9 and 160.5, respectively) (Table 24–2).
  - » In 2013, the disparity by sex in the age-adjusted rate of emergency department visits for nonfatal intentional self-harm injuries was not statistically significant (IVP-41, Table 24–3).
- There was little or no detectable change in the proportion of **children aged 17 years and under who were exposed to violence** (IVP-42) from 2008 to 2013–2014 (58.9% and 56.6%, respectively) (Table 24–2).
  - » In 2013–2014, there was a statistically significant disparity by disability status in the proportion of children aged 17 years and under who were exposed to violence (IVP-42, Table 24–3). The disparities by sex, race and ethnicity, and family income were not statistically significant.
- Between 2009 and 2015, the number of **states (including the District of Columbia) that linked data on violent deaths from death certificates, law enforcement, and medical examiner reports** (IVP-43) increased from 16 to 32, moving toward the 2020 target (Table 24–2, Map 24–3).

## More Information

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Readers interested in more detailed information about the objectives in this topic area are invited to visit the [HealthyPeople.gov](http://www.healthypeople.gov) website, where extensive substantive and technical information is available:

- For the background and importance of the topic area, see: <https://www.healthypeople.gov/2020/topics-objectives/topic/injury-and-violence-prevention>
- For data details for each objective, including definitions, numerators, denominators, calculations, and data limitations, see: <https://www.healthypeople.gov/2020/topics-objectives/topic/injury-and-violence-prevention/objectives>  
*Select an objective, then click on the “Data Details” icon.*
- For objective data by population group (e.g., sex, race and ethnicity, or family income), including rates, percentages, or counts for multiple years, see: <https://www.healthypeople.gov/2020/topics-objectives/topic/injury-and-violence-prevention/objectives>  
*Select an objective, then click on the “Data2020” icon.*

Data for the measurable objectives in this chapter were from the following data sources:

- Bicycle Helmet Safety Institute: <http://www.helmets.org/>
- Bridged-race Population Estimates: [http://www.cdc.gov/nchs/nvss/bridged\\_race.htm](http://www.cdc.gov/nchs/nvss/bridged_race.htm)
- Fatality Analysis Reporting System: [http://www.nhtsa.gov/Data/Fatality-Analysis-Reporting-System-\(FARS\)](http://www.nhtsa.gov/Data/Fatality-Analysis-Reporting-System-(FARS))
- National Automotive Sampling System General Estimates System: [http://www.nhtsa.gov/Data/National-Automotive-Sampling-System-\(NASS\)/NASS-General-Estimates-System](http://www.nhtsa.gov/Data/National-Automotive-Sampling-System-(NASS)/NASS-General-Estimates-System)
- Healthcare Cost and Utilization Project—State Emergency Department Databases: <https://www.hcup-us.ahrq.gov/sedoverview.jsp>
- Healthcare Cost and Utilization Project—State Inpatient Databases: <https://www.hcup-us.ahrq.gov/sidoverview.jsp>
- National Child Abuse and Neglect Data System: <http://www.acf.hhs.gov/programs/cb/research-data-technology/reporting-systems/ncands>
- National Crime Victimization Survey: <http://www.bjs.gov/index.cfm?ty=dcdetail&iid=245>

- National Electronic Injury Surveillance System: <http://www.cpsc.gov/en/Research--Statistics/NEISS-Injury-Data/>
- National Electronic Injury Surveillance System—All Injury Program: <https://www.healthypeople.gov/2020/data-source/national-electronic-injury-surveillance-system-all-injury-program>
- National Health Interview Survey: <http://www.cdc.gov/nchs/nhis.htm>
- National Hospital Ambulatory Medical Care Survey: <http://www.cdc.gov/nchs/ahcd.htm>
- National Hospital Discharge Survey: <http://www.cdc.gov/nchs/nhds.htm>
- National Occupant Protection Use Surveys: <http://www.nrd.nhtsa.dot.gov/Cats/listpublications.aspx?Id=7&ShowBy=Category>
- National Survey of Children’s Exposure to Violence: <https://www.ncjrs.gov/pdffiles1/ojdp/227744.pdf>
- National Survey on the Use of Booster Seats: <https://crashstats.nhtsa.dot.gov/#/?Id=49&ShowBy=Category>
- National Violent Death Reporting System: <http://www.cdc.gov/violenceprevention/nvdrs/>
- National Vital Statistics System—Mortality: <http://www.cdc.gov/nchs/deaths.htm>
- School Health Policies and Practices Study: <http://www.cdc.gov/healthyyouth/data/shpps/index.htm>
- Trauma Information Exchange Program: <http://www.amtrauma.org/?page=TI&hhSearchTerms=%22trauma+and+information+and+exchange+and+program%22>
- Youth Risk Behavior Surveillance System: <http://www.cdc.gov/healthyyouth/data/yrbs/index.htm>

## Footnotes

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<sup>1</sup>The **Technical Notes** provide more information on Healthy People 2020 statistical methods and issues.

<sup>2</sup>**Archived** objectives are no longer being monitored due to lack of data source, changes in science, or replacement with other objectives.

<sup>3</sup>**Developmental** objectives did not have a national baseline value.

<sup>4</sup>**Measurable** objectives had a national baseline value.

<sup>5</sup>**Target met or exceeded**—One of the following, as specified in the Midcourse Progress Table:

- » At baseline the target was not met or exceeded and the midcourse value was equal to or exceeded the target. (The percentage of targeted change achieved was equal to or greater than 100%.)
- » The baseline and midcourse values were equal to or exceeded the target. (The percentage of targeted change achieved was not assessed.)

<sup>6</sup>**Improving**—One of the following, as specified in the Midcourse Progress Table:

- » Movement was toward the target, standard errors were available, and the percentage of targeted change achieved was statistically significant.
- » Movement was toward the target, standard errors were not available, and the objective had achieved 10% or more of the targeted change.

<sup>7</sup>**Little or no detectable change**—One of the following, as specified in the Midcourse Progress Table:

- » Movement was toward the target, standard errors were available, and the percentage of targeted change achieved was not statistically significant.
- » Movement was toward the target, standard errors were not available, and the objective had achieved less than 10% of the targeted change.
- » Movement was away from the baseline and target, standard errors were available, and the percentage change relative to the baseline was not statistically significant.
- » Movement was away from the baseline and target, standard errors were not available, and the objective had moved less than 10% relative to the baseline.
- » There was no change between the baseline and the midcourse data point.

<sup>8</sup>**Getting worse**—One of the following, as specified in the Midcourse Progress Table:

- » Movement was away from the baseline and target, standard errors were available, and the percentage change relative to the baseline was statistically significant.
- » Movement was away from the baseline and target, standard errors were not available, and the objective had moved 10% or more relative to the baseline.

<sup>9</sup>Child fatality due to maltreatment is defined as the death of a child as a result of abuse or neglect, because either (a) an injury resulting from the abuse or neglect of a child was the cause of the death, or (b) abuse and/or neglect were contributing factors to the cause of death. Fatalities among children of an unknown age, including unborn children, are excluded.

## Suggested Citation

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National Center for Health Statistics. Chapter 24: Injury and Violence Prevention. Healthy People 2020 Midcourse Review. Hyattsville, MD. 2016.

**Table 24–1. Injury and Violence Prevention Objectives**

LEGEND

-  Data for this objective are available in this chapter’s Midcourse Progress Table.
-  Disparities data for this objective are available, and this chapter includes a Midcourse Health Disparities Table.
-  A state or county level map for this objective is available at the end of the chapter.

Not Applicable Midcourse data availability is not applicable for developmental and archived objectives. **Developmental** objectives did not have a national baseline value. **Archived** objectives are no longer being monitored due to lack of data source, changes in science, or replacement with other objectives.

| Objective Number         | Objective Statement   | Data Sources   | Midcourse Data Availability   |
|--------------------------|---|--|---|
| <b>Injury Prevention</b> |   |  |   |
| IVP-1.1                  | Reduce fatal injuries   | National Vital Statistics System–Mortality (NVSS–M), CDC/NCHS; Bridged-race Population Estimates, CDC/NCHS and Census                                      |       |
| IVP-1.2                  | Reduce hospitalizations for nonfatal injuries   | National Hospital Discharge Survey (NHDS), CDC/NCHS; Population Estimates, Census  |       |
| IVP-1.3                  | Reduce emergency department (ED) visits for nonfatal injuries   | National Hospital Ambulatory Medical Care Survey (NHAMCS), CDC/NCHS; Population Estimates, Census  |       |
| IVP-2.1                  | Reduce fatal traumatic brain injuries   | National Vital Statistics System–Mortality (NVSS–M), CDC/NCHS; Bridged-race Population Estimates, CDC/NCHS and Census                                      |   |
| IVP-2.2                  | Reduce hospitalizations for nonfatal traumatic brain injuries   | National Hospital Discharge Survey (NHDS), CDC/NCHS; Population Estimates, Census  |   |
| IVP-2.3                  | Reduce emergency department (ED) visits for nonfatal traumatic brain injuries   | National Hospital Ambulatory Medical Care Survey (NHAMCS), CDC/NCHS; Population Estimates, Census  |   |
| IVP-3.1                  | Reduce fatal spinal cord injuries   | National Vital Statistics System–Mortality (NVSS–M), CDC/NCHS; Bridged-race Population Estimates, CDC/NCHS and Census                                      |   |
| IVP-3.2                  | Reduce hospitalizations for nonfatal traumatic spinal cord injuries   | National Hospital Discharge Survey (NHDS), CDC/NCHS; Population Estimates, Census  |    |
| IVP-4                    | (Developmental) Increase the number of states and the District of Columbia where 90 percent of deaths among children aged 17 years and under that are due to external causes are reviewed by a child fatality review team | (Potential) National Center for Child Death Review, Michigan Public Health Institute (MPHI); National Vital Statistics System–Mortality (NVSS–M), CDC/NCHS | Not Applicable  |
| IVP-5                    | (Developmental) Increase the number of states and the District of Columbia where 90 percent of sudden and unexpected deaths to infants are reviewed by a child fatality review team                                       | (Potential) National Center for Child Death Review, Michigan Public Health Institute (MPHI); National Vital Statistics System–Mortality (NVSS–M), CDC/NCHS | Not Applicable  |

**Table 24-1. Injury and Violence Prevention Objectives—Continued**

LEGEND

 Data for this objective are available in this chapter's Midcourse Progress Table.  Disparities data for this objective are available, and this chapter includes a Midcourse Health Disparities Table.  A state or county level map for this objective is available at the end of the chapter.

Not Applicable Midcourse data availability is not applicable for developmental and archived objectives. **Developmental** objectives did not have a national baseline value. **Archived** objectives are no longer being monitored due to lack of data source, changes in science, or replacement with other objectives.

| Objective Number                   | Objective Statement   | Data Sources  | Midcourse Data Availability   |   |   |
|------------------------------------|---|---|---|---|---|
| <b>Injury Prevention—Continued</b> |   |   |   |   |   |
| IVP-6                              | Increase the proportion of states and the District of Columbia with statewide emergency department data systems that routinely collect external-cause-of-injury codes for 90 percent or more of injury-related visits   | Healthcare Cost and Utilization Project—State Emergency Department Databases (HCUP—SEDD), AHRQ  |    |   |   |
| IVP-7                              | Increase the proportion of states and the District of Columbia with statewide hospital discharge data systems that routinely collect external-cause-of-injury codes for 90 percent or more of injury-related discharges | Healthcare Cost and Utilization Project—State Inpatient Databases (HCUP—SID), AHRQ  |    |   |   |
| IVP-8.1                            | Increase the proportion of the population residing within the continental United States with access to trauma care  | Trauma Information Exchange Program (TIEP), American Trauma Society (ATS)   |  |   |   |
| IVP-8.2                            | Increase the proportion of the land mass of the continental United States with access to trauma care  | Trauma Information Exchange Program (TIEP), American Trauma Society (ATS)   |  |   |   |
| IVP-9.1                            | Prevent an increase in poisoning deaths among all persons   | National Vital Statistics System—Mortality (NVSS—M), CDC/NCHS; Bridged-race Population Estimates, CDC/NCHS and Census                                     |  |  |  |
| IVP-9.2                            | Prevent an increase in poisoning deaths among persons aged 35 to 54 years   | National Vital Statistics System—Mortality (NVSS—M), CDC/NCHS; Bridged-race Population Estimates, CDC/NCHS and Census                                     |  |  |   |
| IVP-9.3                            | Prevent an increase in poisoning deaths caused by unintentional or undetermined intent among all persons  | National Vital Statistics System—Mortality (NVSS—M), CDC/NCHS; Bridged-race Population Estimates, CDC/NCHS and Census                                     |  |  |   |
| IVP-9.4                            | Prevent an increase in poisoning deaths caused by unintentional or undetermined intent among persons aged 35 to 54 years  | National Vital Statistics System—Mortality (NVSS—M), CDC/NCHS; Bridged-race Population Estimates, CDC/NCHS and Census                                     |  |  |   |
| IVP-10                             | Prevent an increase in nonfatal poisonings  | National Electronic Injury Surveillance System—All Injury Program (NEISS—AIP), CDC/NCIPC and CPSC; Bridged-race Population Estimates, CDC/NCHS and Census |  |  |   |

**Table 24–1. Injury and Violence Prevention Objectives—Continued**

## LEGEND



Data for this objective are available in this chapter's Midcourse Progress Table.



Disparities data for this objective are available, and this chapter includes a Midcourse Health Disparities Table.



A state or county level map for this objective is available at the end of the chapter.

Not Applicable

Midcourse data availability is not applicable for developmental and archived objectives. **Developmental** objectives did not have a national baseline value. **Archived** objectives are no longer being monitored due to lack of data source, changes in science, or replacement with other objectives.

| Objective Number                       | Objective Statement   | Data Sources  | Midcourse Data Availability |
|--|---|---|-----------------------------|
| <b>Unintentional Injury Prevention</b> |   |   |                             |
| IVP-11                                 | Reduce unintentional injury deaths  | National Vital Statistics System–Mortality (NVSS–M), CDC/NCHS; Bridged-race Population Estimates, CDC/NCHS and Census                                     |                             |
| IVP-12                                 | Reduce nonfatal unintentional injuries  | National Electronic Injury Surveillance System–All Injury Program (NEISS–AIP), CDC/NCIPC and CPSC; Bridged-race Population Estimates, CDC/NCHS and Census |                             |
| IVP-13.1                               | Reduce motor vehicle crash-related deaths per 100,000 population  | National Vital Statistics System–Mortality (NVSS–M), CDC/NCHS; Bridged-race Population Estimates, CDC/NCHS and Census                                     |                             |
| IVP-13.2                               | Reduce motor vehicle crash-related deaths per 100 million vehicle miles traveled  | Fatality Analysis Reporting System (FARS), DOT/NHTSA  |                             |
| IVP-14                                 | Reduce nonfatal motor vehicle crash-related injuries  | General Estimates System (GES), DOT/NHTSA; Population Estimates, Census   |                             |
| IVP-15                                 | Increase use of safety belts  | National Occupant Protection Use Survey (NOPUS), DOT/NHTSA  |                             |
| IVP-16.1                               | Increase age-appropriate vehicle restraint system use in children aged 0 to 12 months                                   | National Survey on the Use of Booster Seats (NSUBS), DOT/NHTSA  |                             |
| IVP-16.2                               | Increase age-appropriate vehicle restraint system use in children aged 1 to 3 years                                     | National Survey on the Use of Booster Seats (NSUBS), DOT/NHTSA  |                             |
| IVP-16.3                               | Increase age-appropriate vehicle restraint system use in children aged 4 to 7 years                                     | National Survey on the Use of Booster Seats (NSUBS), DOT/NHTSA  |                             |
| IVP-16.4                               | Increase age-appropriate vehicle restraint system use in children aged 8 to 12 years                                    | National Survey on the Use of Booster Seats (NSUBS), DOT/NHTSA  |                             |
| IVP-17                                 | (Archived) Increase the number of states and the District of Columbia with “good” graduated driver licensing (GDL) laws | Licensing Systems for Young Drivers, Insurance Institute for Highway Safety (IIHS)  | Not Applicable              |
| IVP-18                                 | Reduce pedestrian deaths on public roads  | Fatality Analysis Reporting System (FARS), DOT/NHTSA; Population Estimates, Census  |                             |

**Table 24–1. Injury and Violence Prevention Objectives—Continued**

LEGEND

-  Data for this objective are available in this chapter's Midcourse Progress Table.
-  Disparities data for this objective are available, and this chapter includes a Midcourse Health Disparities Table.
-  A state or county level map for this objective is available at the end of the chapter.

Not Applicable Midcourse data availability is not applicable for developmental and archived objectives. **Developmental** objectives did not have a national baseline value. **Archived** objectives are no longer being monitored due to lack of data source, changes in science, or replacement with other objectives.

| Objective Number                                 | Objective Statement   | Data Sources  | Midcourse Data Availability   |
|--|---|---|---|
| <b>Unintentional Injury Prevention—Continued</b> |   |   |   |
| IVP-19   | Reduce nonfatal pedestrian injuries on public roads   | General Estimates system (GES), DOT/NHTSA; Population Estimates, Census   |       |
| IVP-20   | Reduce pedalcyclist deaths on public roads  | Fatality Analysis Reporting System (FARS), DOT/NHTSA; Population Estimates, Census                                    |       |
| IVP-21   | Increase the number of states and the District of Columbia with laws requiring bicycle helmets for bicycle riders | Bicycle Helmet Safety Institute (BHSI)  |    |
| IVP-22   | Increase the proportion of motorcycle operators and passengers using helmets                                      | National Occupant Protection Use Survey (NOPUS), DOT/NHTSA  |     |
| IVP-23.1   | Prevent an increase in fall-related deaths among all persons  | National Vital Statistics System—Mortality (NVSS–M), CDC/NCHS; Bridged-race Population Estimates, CDC/NCHS and Census |   |
| IVP-23.2   | Prevent an increase in fall-related deaths among adults aged 65 years and older                                   | National Vital Statistics System—Mortality (NVSS–M), CDC/NCHS; Bridged-race Population Estimates, CDC/NCHS and Census |   |
| IVP-24.1   | Reduce unintentional suffocation deaths among all persons   | National Vital Statistics System—Mortality (NVSS–M), CDC/NCHS; Bridged-race Population Estimates, CDC/NCHS and Census |   |
| IVP-24.2   | Reduce unintentional suffocation deaths among infants aged 0 to 12 months   | National Vital Statistics System—Mortality (NVSS–M), CDC/NCHS; Bridged-race Population Estimates, CDC/NCHS and Census |   |
| IVP-24.3   | Reduce unintentional suffocation deaths among persons aged 65 years and older                                     | National Vital Statistics System—Mortality (NVSS–M), CDC/NCHS; Bridged-race Population Estimates, CDC/NCHS and Census |   |
| IVP-25   | Reduce drowning deaths  | National Vital Statistics System—Mortality (NVSS–M), CDC/NCHS; Bridged-race Population Estimates, CDC/NCHS and Census |   |
| IVP-26   | Reduce sports and recreation injuries   | National Health Interview Survey (NHIS), CDC/NCHS   |   |

**Table 24–1. Injury and Violence Prevention Objectives—Continued**

## LEGEND



Data for this objective are available in this chapter's Midcourse Progress Table.



Disparities data for this objective are available, and this chapter includes a Midcourse Health Disparities Table.



A state or county level map for this objective is available at the end of the chapter.

Not Applicable

Midcourse data availability is not applicable for developmental and archived objectives. **Developmental** objectives did not have a national baseline value. **Archived** objectives are no longer being monitored due to lack of data source, changes in science, or replacement with other objectives.

| Objective Number                                 | Objective Statement   | Data Sources  | Midcourse Data Availability |  |
|--|---|---|-----------------------------|--|
| <b>Unintentional Injury Prevention—Continued</b> |   |   |                             |  |
| IVP-27.1   | Increase the proportion of public and private schools that require students to wear appropriate protective gear when engaged in school-sponsored physical education                               | School Health Policies and Practices Study (SHPPS), CDC/NCHHSTP   |                             |  |
| IVP-27.2   | Increase the proportion of public and private schools that require students to wear appropriate protective gear when engaged in school-sponsored intramural activities or physical activity clubs | School Health Policies and Practices Study (SHPPS), CDC/NCHHSTP   |                             |  |
| IVP-28   | Reduce residential fire deaths  | National Vital Statistics System—Mortality (NVSS–M), CDC/NCHS; Bridged-race Population Estimates, CDC/NCHS and Census                                     |                             |  |
| <b>Violence Prevention</b>                       |   |   |                             |  |
| IVP-29   | Reduce homicides  | National Vital Statistics System—Mortality (NVSS–M), CDC/NCHS; Bridged-race Population Estimates, CDC/NCHS and Census                                     |                             |  |
| IVP-30   | Reduce firearm-related deaths   | National Vital Statistics System—Mortality (NVSS–M), CDC/NCHS; Bridged-race Population Estimates, CDC/NCHS and Census                                     |                             |  |
| IVP-31   | Reduce nonfatal firearm-related injuries  | National Electronic Injury Surveillance System (NEISS), CPSC; Bridged-race Population Estimates, CDC/NCHS and Census                                      |                             |  |
| IVP-32   | Reduce nonfatal physical assault injuries   | National Electronic Injury Surveillance System—All Injury Program (NEISS–AIP), CDC/NCIPC and CPSC; Bridged-race Population Estimates, CDC/NCHS and Census |                             |  |
| IVP-33   | Reduce physical assaults  | National Crime Victimization Survey (NCVS), DOJ/BJA   |                             |  |
| IVP-34   | Reduce physical fighting among adolescents  | Youth Risk Behavior Surveillance System (YRBSS), CDC/NCHHSTP  |                             |  |
| IVP-35   | Reduce bullying among adolescents   | Youth Risk Behavior Surveillance System (YRBSS), CDC/NCHHSTP  |                             |  |

**Table 24–1. Injury and Violence Prevention Objectives—Continued**

## LEGEND

|  |   |   |  |   |  |
|--|---|---|--|---|--|
|  | Data for this objective are available in this chapter's Midcourse Progress Table. |  | Disparities data for this objective are available, and this chapter includes a Midcourse Health Disparities Table. |  | A state or county level map for this objective is available at the end of the chapter. |
|--|---|---|--|---|--|

|                |   |
|----------------|---|
| Not Applicable | Midcourse data availability is not applicable for developmental and archived objectives. <b>Developmental</b> objectives did not have a national baseline value. <b>Archived</b> objectives are no longer being monitored due to lack of data source, changes in science, or replacement with other objectives. |
|----------------|---|

| Objective Number                     | Objective Statement   | Data Sources  | Midcourse Data Availability   |
|--------------------------------------|---|---|---|
| <b>Violence Prevention—Continued</b> |   |   |   |
| IVP-36                               | Reduce weapon carrying by adolescents on school property                          | Youth Risk Behavior Surveillance System (YRBSS), CDC/NCHHSTP  |       |
| IVP-37                               | Reduce child maltreatment deaths  | National Child Abuse and Neglect Data System (NCANDS), ACF; Population Estimates, Census  |       |
| IVP-38                               | Reduce nonfatal child maltreatment  | National Child Abuse and Neglect Data System (NCANDS), ACF; Population Estimates, Census  |       |
| IVP-39.1                             | (Developmental) Reduce physical violence by current or former intimate partners   | To be determined  | Not Applicable  |
| IVP-39.2                             | (Developmental) Reduce sexual violence by current or former intimate partners     | To be determined  | Not Applicable  |
| IVP-39.3                             | (Developmental) Reduce psychological abuse by current or former intimate partners | To be determined  | Not Applicable  |
| IVP-39.4                             | (Developmental) Reduce stalking by current or former intimate partners            | To be determined  | Not Applicable  |
| IVP-40.1                             | (Developmental) Reduce rape or attempted rape                                     | To be determined  | Not Applicable  |
| IVP-40.2                             | (Developmental) Reduce abusive sexual contact other than rape or attempted rape   | To be determined  | Not Applicable  |
| IVP-40.3                             | (Developmental) Reduce non-contact sexual abuse                                   | To be determined  | Not Applicable  |
| IVP-41                               | Reduce nonfatal intentional self-harm injuries                                    | National Electronic Injury Surveillance System—All Injury Program (NEISS–AIP), CDC/NCIPC and CPSC; Bridged-race Population Estimates, CDC/NCHS and Census |   |
| IVP-42                               | Reduce children's exposure to violence  | National Survey of Children's Exposure to Violence (NatSCEV), DOJ/OJJDP   |   |

**Table 24–1. Injury and Violence Prevention Objectives—Continued**

LEGEND



Data for this objective are available in this chapter's Midcourse Progress Table.



Disparities data for this objective are available, and this chapter includes a Midcourse Health Disparities Table.



A state or county level map for this objective is available at the end of the chapter.

Not Applicable

Midcourse data availability is not applicable for developmental and archived objectives. **Developmental** objectives did not have a national baseline value. **Archived** objectives are no longer being monitored due to lack of data source, changes in science, or replacement with other objectives.

| Objective Number                     | Objective Statement   | Data Sources   | Midcourse Data Availability |  |
|--------------------------------------|---|--|-----------------------------|--|
| <b>Violence Prevention—Continued</b> |   |  |                             |  |
| IVP-43                               | Increase the number of states and the District of Columbia that link data on violent deaths from death certificates, law enforcement, and coroner and medical examiner reports to inform prevention efforts at the state and local levels | National Violent Death Reporting System (NVDRS), CDC/NCIPC |                             |  |

**Table 24–2. Midcourse Progress for Measurable<sup>1</sup> Injury and Violence Prevention Objectives**

## LEGEND

|  |  |  |  |   |   |
|--|--|--|--|---|---|
|  Target met or exceeded <sup>2,3</sup> |  Improving <sup>4,5</sup> |  Little or no detectable change <sup>6–10</sup> |  Getting worse <sup>11,12</sup> |  Baseline only <sup>13</sup> |  Informational <sup>14</sup> |
|--|--|--|--|---|---|

| Objective Description  | Baseline Value (Year) | Midcourse Value (Year) | Target  | Movement Toward Target <sup>15</sup> | Movement Away From Baseline <sup>16</sup> | Movement Statistically Significant <sup>17</sup> |
|--|-----------------------|------------------------|---------|--------------------------------------|---|--|
| <b>Injury Prevention</b>   |                       |                        |         |                                      |   |  |
|  <sup>4</sup> <b>IVP-1.1</b> Fatal Injuries (age-adjusted, per 100,000 population)   | 59.7 (2007)           | 58.8 (2013)            | 53.7    | 15.0%                                |   | Yes  |
|  <sup>6</sup> <b>IVP-1.2</b> Nonfatal injury hospitalizations (age-adjusted, per 100,000 population)                                     | 617.6 (2007)          | 598.6 (2010)           | 555.8   | 30.7%                                |   | No   |
|  <sup>11</sup> <b>IVP-1.3</b> Emergency department visits for nonfatal injuries (age-adjusted, per 100,000 population)                   | 8,370.4 (2007)        | 10,163.7 (2011)        | 7,533.4 |                                      | 21.4%                                     | Yes  |
|  <sup>4</sup> <b>IVP-2.1</b> Traumatic brain injury deaths (age-adjusted, per 100,000 population)  | 17.4 (2007)           | 16.3 (2013)            | 15.7    | 64.7%                                |   | Yes  |
|  <sup>8</sup> <b>IVP-2.2</b> Nonfatal traumatic brain injury hospitalizations (age-adjusted, per 100,000 population)                     | 85.6 (2007)           | 96.6 (2010)            | 77.0    |                                      | 12.9%                                     | No   |
|  <sup>11</sup> <b>IVP-2.3</b> Emergency department visits for nonfatal traumatic brain injuries (age-adjusted, per 100,000 population)  | 407.2 (2007)          | 770.3 (2011)           | 366.5   |                                      | 89.2%                                     | Yes  |
|  <sup>2</sup> <b>IVP-3.1</b> Spinal cord injury deaths (age-adjusted, per 100,000 population)  | 0.53 (2007)           | 0.48 (2013)            | 0.48    | 100.0%                               |   | Yes  |
|  <sup>8</sup> <b>IVP-3.2</b> Nonfatal spinal cord injury hospitalizations (age-adjusted, per 100,000 population)                       | 3.6 (2007)            | 4.2 (2009)             | 3.2     |                                      | 16.7%                                     | No   |
|  <sup>5</sup> <b>IVP-6</b> Statewide emergency department systems collecting external-cause-of injury codes (percent, States and D.C.) | 67.9% (2008)          | 82.8% (2012)           | 85.0%   | 87.1%                                |   |  |
|  <sup>5</sup> <b>IVP-7</b> Statewide hospital discharge systems collecting external-cause-of injury codes (percent, states and D.C.)   | 64.3% (2008)          | 73.3% (2012)           | 85.0%   | 43.5%                                |   |  |
|  <sup>5</sup> <b>IVP-8.1</b> Persons residing within 1 hour of a trauma center (percent, continental U.S.)                             | 83.1% (2009)          | 90.7% (2010)           | 91.4%   | 91.6%                                |   |  |
|  <sup>2</sup> <b>IVP-8.2</b> Land mass within 1 hour of a trauma center (percent, continental U.S.)                                    | 28.7% (2009)          | 40.9% (2010)           | 31.6%   | 420.7%                               |   |  |
|  <sup>11</sup> <b>IVP-9.1</b> Poisoning deaths (age-adjusted, per 100,000 population)  | 13.2 (2007)           | 15.2 (2013)            | 13.2    |                                      | 15.2%                                     | Yes  |
|  <sup>11</sup> <b>IVP-9.2</b> Poisoning deaths (per 100,000 population, 35–54 years)   | 25.6 (2007)           | 28.0 (2013)            | 25.6    |                                      | 9.4%                                      | Yes  |

**Table 24–2. Midcourse Progress for Measurable<sup>1</sup> Injury and Violence Prevention Objectives—Continued**

## LEGEND

|  |  |  |  |   |   |
|--|--|--|--|---|---|
|  Target met or exceeded <sup>2,3</sup> |  Improving <sup>4,5</sup> |  Little or no detectable change <sup>6–10</sup> |  Getting worse <sup>11,12</sup> |  Baseline only <sup>13</sup> |  Informational <sup>14</sup> |
|--|--|--|--|---|---|

| Objective Description  | Baseline Value (Year) | Midcourse Value (Year) | Target  | Movement Toward Target <sup>15</sup> | Movement Away From Baseline <sup>16</sup> | Movement Statistically Significant <sup>17</sup> |
|--|-----------------------|------------------------|---------|--------------------------------------|---|--|
| <b>Injury Prevention—Continued</b>   |                       |                        |         |                                      |   |  |
|  <sup>11</sup> <b>IVP-9.3</b> Poisoning deaths of unintentional or undetermined intent (age-adjusted, per 100,000 population)        | 11.1 (2007)           | 13.2 (2013)            | 11.1    |                                      | 18.9%                                     | Yes  |
|  <sup>11</sup> <b>IVP-9.4</b> Poisoning deaths of unintentional or undetermined intent (per 100,000 population, 35–54 years)         | 21.6 (2007)           | 24.3 (2013)            | 21.6    |                                      | 12.5%                                     | Yes  |
|  <sup>11</sup> <b>IVP-10</b> Emergency department visits for nonfatal poisonings (age-adjusted, per 100,000 population)              | 304.8 (2008)          | 414.6 (2013)           | 304.8   |                                      | 36.0%                                     | Yes  |
| <b>Unintentional Injury Prevention</b>   |                       |                        |         |                                      |   |  |
|  <sup>4</sup> <b>IVP-11</b> Unintentional injury deaths (age-adjusted, per 100,000 population)                                     | 40.4 (2007)           | 39.4 (2013)            | 36.4    | 25.0%                                |   | Yes  |
|  <sup>6</sup> <b>IVP-12</b> Emergency department visits for nonfatal unintentional injuries (age-adjusted, per 100,000 population) | 9,233.5 (2008)        | 9,149.8 (2013)         | 8,310.1 | 9.1%                                 |   | No   |
|  <sup>2</sup> <b>IVP-13.1</b> Motor vehicle crash deaths (age-adjusted, per 100,000 population)                                    | 13.8 (2007)           | 10.5 (2013)            | 12.4    | 235.7%                               |   | Yes  |
|  <sup>2</sup> <b>IVP-13.2</b> Motor vehicle crash deaths on public roads (per 100 million vehicle miles)                           | 1.3 (2008)            | 1.1 (2013)             | 1.2     | 200.0%                               |   |  |
|  <sup>6</sup> <b>IVP-14</b> Nonfatal motor vehicle crash injuries on public roads (per 100,000 population)                         | 771.4 (2008)          | 731.6 (2013)           | 694.3   | 51.6%                                |   | No   |
|  <sup>4</sup> <b>IVP-15</b> Persons using safety belts (percent)   | 84% (2009)            | 87% (2014)             | 92%     | 37.5%                                |   | Yes  |
|  <sup>6</sup> <b>IVP-16.1</b> Rear-facing child safety seat use in children (percent, 0–12 months)                                 | 86% (2008)            | 90% (2013)             | 95%     | 44.4%                                |   | No   |
|  <sup>6</sup> <b>IVP-16.2</b> Front-facing child safety seat use in children (percent, 1–3 years)                                  | 72% (2008)            | 73% (2013)             | 79%     | 14.3%                                |   | No   |
|  <sup>6</sup> <b>IVP-16.3</b> High-backed or backless booster seat use in children (percent, 4–7 years)                            | 43% (2008)            | 46% (2013)             | 47%     | 75.0%                                |   | No   |
|  <sup>6</sup> <b>IVP-16.4</b> Seat belt use in children (percent, 8–12 years)  | 78% (2008)            | 79% (2013)             | 86%     | 12.5%                                |   | No   |
|  <sup>10</sup> <b>IVP-18</b> Pedestrian deaths on public roads (per 100,000 population)  | 1.5 (2008)            | 1.5 (2013)             | 1.4     |                                      | 0.0%                                      |  |

**Table 24–2. Midcourse Progress for Measurable<sup>1</sup> Injury and Violence Prevention Objectives—Continued**

## LEGEND

|  |                                       |   |                          |   |  |   |                                |   |                             |   |                             |
|--|---------------------------------------|---|--------------------------|---|--|---|--------------------------------|---|-----------------------------|---|-----------------------------|
|  | Target met or exceeded <sup>2,3</sup> |  | Improving <sup>4,5</sup> |  | Little or no detectable change <sup>6–10</sup> |  | Getting worse <sup>11,12</sup> |  | Baseline only <sup>13</sup> |  | Informational <sup>14</sup> |
|--|---------------------------------------|---|--------------------------|---|--|---|--------------------------------|---|-----------------------------|---|-----------------------------|

| Objective Description  | Baseline Value (Year) | Midcourse Value (Year) | Target | Movement Toward Target <sup>15</sup> | Movement Away From Baseline <sup>16</sup> | Movement Statistically Significant <sup>17</sup> |
|--|-----------------------|------------------------|--------|--------------------------------------|---|--|
| <b>Unintentional Injury Prevention—Continued</b>   |                       |                        |        |                                      |   |  |
|  <sup>6</sup> <b>IVP-19</b> Nonfatal pedestrian injuries on public roads (per 100,000 population)  | 22.6 (2008)           | 20.9 (2013)            | 20.3   | 73.9%                                |   | No   |
|  <sup>10</sup> <b>IVP-20</b> Pedalcyclist deaths on public roads (per 100,000 population)  | 0.24 (2008)           | 0.24 (2013)            | 0.22   |                                      | 0.0%                                      |  |
|  <sup>10</sup> <b>IVP-21</b> Bicycle helmet laws for riders <15 years (number of states and D.C.)  | 19 (2009)             | 19 (2014)              | 27     | 0.0%                                 |   |  |
|  <sup>8</sup> <b>IVP-22</b> Helmet use by motorcycle operators and passengers (percent)  | 67% (2009)            | 64% (2014)             | 74%    |                                      | 4.5%                                      | No   |
|  <sup>11</sup> <b>IVP-23.1</b> Deaths from unintentional falls (age-adjusted, per 100,000 population)   | 7.2 (2007)            | 8.5 (2013)             | 7.2    |                                      | 18.1%                                     | Yes  |
|  <sup>11</sup> <b>IVP-23.2</b> Deaths from unintentional falls (age-adjusted, per 100,000 population, 65+ years)   | 47.0 (2007)           | 56.7 (2013)            | 47.0   |                                      | 20.6%                                     | Yes  |
|  <sup>10</sup> <b>IVP-24.1</b> Unintentional suffocation deaths (age-adjusted, per 100,000 population)   | 2.0 (2007)            | 2.0 (2013)             | 1.8    |                                      | 0.0%                                      |  |
|  <sup>8</sup> <b>IVP-24.2</b> Unintentional suffocation deaths (per 100,000 population, 0–12 months)   | 23.1 (2007)           | 24.8 (2013)            | 20.8   |                                      | 7.4%                                      | No   |
|  <sup>6</sup> <b>IVP-24.3</b> Unintentional suffocation deaths (age-adjusted, per 100,000 population, 65+ years)   | 8.3 (2007)            | 8.1 (2013)             | 7.5    | 25.0%                                |   | No   |
|  <sup>2</sup> <b>IVP-25</b> Drowning deaths (age-adjusted, per 100,000 population)   | 1.2 (2007)            | 1.1 (2013)             | 1.1    | 100.0%                               |   | Yes  |
|  <sup>6</sup> <b>IVP-26</b> Medically consulted sports and recreation injuries (age-adjusted, per 1,000 population)  | 46.6 (2008)           | 45.0 (2014)            | 41.9   | 34.0%                                |   | No   |
|  <sup>4</sup> <b>IVP-27.1</b> Schools requiring students to wear appropriate protective gear for physical education (percent)                                | 76.8% (2006)          | 84.2% (2014)           | 84.5%  | 96.1%                                |   | Yes  |
|  <sup>4</sup> <b>IVP-27.2</b> Schools requiring students to wear appropriate protective gear for intramural activities and physical activity clubs (percent) | 85.8% (2006)          | 93.1% (2014)           | 94.4%  | 84.9%                                |   | Yes  |
|  <sup>2</sup> <b>IVP-28</b> Residential fire deaths (age-adjusted, per 100,000 population)   | 0.95 (2007)           | 0.70 (2013)            | 0.86   | 277.8%                               |   | Yes  |

**Table 24–2. Midcourse Progress for Measurable<sup>1</sup> Injury and Violence Prevention Objectives—Continued**

## LEGEND

|  |  |  |  |   |   |
|--|--|--|--|---|---|
|  Target met or exceeded <sup>2,3</sup> |  Improving <sup>4,5</sup> |  Little or no detectable change <sup>6–10</sup> |  Getting worse <sup>11,12</sup> |  Baseline only <sup>13</sup> |  Informational <sup>14</sup> |
|--|--|--|--|---|---|

| Objective Description  | Baseline Value (Year) | Midcourse Value (Year) | Target | Movement Toward Target <sup>15</sup> | Movement Away From Baseline <sup>16</sup> | Movement Statistically Significant <sup>17</sup> |
|--|-----------------------|------------------------|--------|--------------------------------------|---|--|
| <b>Violence Prevention</b>   |                       |                        |        |                                      |   |  |
|  <sup>2</sup> <b>IVP-29</b> Homicides (age-adjusted, per 100,000 population)   | 6.1 (2007)            | 5.2 (2013)             | 5.5    | 150.0%                               |   | Yes  |
|  <sup>8</sup> <b>IVP-30</b> Firearm-related deaths (age-adjusted, per 100,000 population)  | 10.3 (2007)           | 10.4 (2013)            | 9.3    |                                      | 1.0%                                      | No   |
|  <sup>8</sup> <b>IVP-31</b> Emergency department visits for nonfatal firearm-related injuries (per 100,000 population)   | 20.7 (2007)           | 23.8 (2013)            | 18.6   |                                      | 15.0%                                     | No   |
|  <sup>6</sup> <b>IVP-32</b> Emergency department visits for nonfatal physical assault injuries (age-adjusted, per 100,000 population)                                  | 512.5 (2008)          | 508.9 (2013)           | 461.2  | 7.0%                                 |   | No   |
|  <sup>6</sup> <b>IVP-33</b> Physical assaults (per 1,000 population, 12+ years)   | 21.3 (2008)           | 19.6 (2013)            | 19.2   | 81.0%                                |   | No   |
|  <sup>2</sup> <b>IVP-34</b> Physical fighting among adolescents (percent, grades 9–12)   | 31.5% (2009)          | 24.7% (2013)           | 28.4%  | 219.4%                               |   | Yes  |
|  <sup>6</sup> <b>IVP-35</b> Bullying among adolescents (percent, grades 9–12)  | 19.9% (2009)          | 19.6% (2013)           | 17.9%  | 15.0%                                |   | No   |
|  <sup>6</sup> <b>IVP-36</b> Weapon carrying by adolescents on school property (percent, grades 9–12)   | 5.6% (2009)           | 5.2% (2013)            | 4.6%   | 40.0%                                |   | No   |
|  <sup>2</sup> <b>IVP-37</b> Child maltreatment deaths (per 100,000 population, <18 years)  | 2.3 (2008)            | 2.1 (2013)             | 2.1    | 100.0%                               |   |  |
|  <sup>5</sup> <b>IVP-38</b> Nonfatal child maltreatment (per 1,000 population, <18 years)  | 9.4 (2008)            | 9.1 (2013)             | 8.5    | 33.3%                                |   |  |
|  <sup>8</sup> <b>IVP-41</b> Emergency department visits for nonfatal intentional self-harm injuries (age-adjusted, per 100,000 population)                           | 124.9 (2008)          | 160.5 (2013)           | 112.4  |                                      | 28.5%                                     | No   |
|  <sup>6</sup> <b>IVP-42</b> Children exposed to violence (percent, ≤17 years)  | 58.9% (2008)          | 56.6% (2013–2014)      | 53.0%  | 39.0%                                |   | No   |
|  <sup>5</sup> <b>IVP-43</b> Linkage of violent death data from death certificates, law enforcement, coroner and medical examiner reports (number of states and D.C.) | 16 (2009)             | 32 (2015)              | 51     | 45.7%                                |   |  |

**Table 24–2. Midcourse Progress for Measurable<sup>1</sup> Injury and Violence Prevention Objectives—Continued**

| NOTES  | DATA SOURCES   |
|--|--|
| See <a href="https://www.healthypeople.gov">HealthyPeople.gov</a> for all Healthy People 2020 data. The <a href="#">Technical Notes</a> provide more information on the measures of progress.  | IVP-1.1 National Vital Statistics System–Mortality (NVSS–M), CDC/NCHS; Bridged-race Population Estimates, CDC/NCHS and Census                                    |
| FOOTNOTES  | IVP-1.2 National Hospital Discharge Survey (NHDS), CDC/NCHS; Population Estimates, Census  |
| <sup>1</sup> <b>Measurable</b> objectives had a national baseline value.   | IVP-1.3 National Hospital Ambulatory Medical Care Survey (NHAMCS), CDC/NCHS; Population Estimates, Census  |
| <b>Target met or exceeded:</b>   | IVP-2.1 National Vital Statistics System–Mortality (NVSS–M), CDC/NCHS; Bridged-race Population Estimates, CDC/NCHS and Census                                    |
| <sup>2</sup> At baseline the target was not met or exceeded and the midcourse value was equal to or exceeded the target. (The percentage of targeted change achieved was equal to or greater than 100%.)   | IVP-2.2 National Hospital Discharge Survey (NHDS), CDC/NCHS; Population Estimates, Census  |
| <sup>3</sup> The baseline and midcourse values were equal to or exceeded the target. (The percentage of targeted change achieved was not assessed.)  | IVP-2.3 National Hospital Ambulatory Medical Care Survey (NHAMCS), CDC/NCHS; Population Estimates, Census  |
| <b>Improving:</b>  | IVP-3.1 <sup>4</sup> National Vital Statistics System–Mortality (NVSS–M), CDC/NCHS; Bridged-race Population Estimates, CDC/NCHS and Census                       |
| <sup>4</sup> Movement was toward the target, standard errors were available, and the percentage of targeted change achieved was statistically significant.   | IVP-3.2 National Hospital Discharge Survey (NHDS), CDC/NCHS; Population Estimates, Census  |
| <sup>5</sup> Movement was toward the target, standard errors were not available, and the objective had achieved 10% or more of the targeted change.  | IVP-6 Healthcare Cost and Utilization Project–State Emergency Department Databases (HCUP–SEDD), AHRQ   |
| <b>Little or no detectable change:</b>   | IVP-7 Healthcare Cost and Utilization Project–State Inpatient Databases (HCUP–SID), AHRQ   |
| <sup>6</sup> Movement was toward the target, standard errors were available, and the percentage of targeted change achieved was not statistically significant.   | IVP-8.1 Trauma Information Exchange Program (TIEP), American Trauma Society (ATS)  |
| <sup>7</sup> Movement was toward the target, standard errors were not available, and the objective had achieved less than 10% of the targeted change.  | IVP-8.2 Trauma Information Exchange Program (TIEP), American Trauma Society (ATS)  |
| <sup>8</sup> Movement was away from the baseline and target, standard errors were available, and the percentage change relative to the baseline was not statistically significant.   | IVP-9.1 National Vital Statistics System–Mortality (NVSS–M), CDC/NCHS; Bridged-race Population Estimates, CDC/NCHS and Census                                    |
| <sup>9</sup> Movement was away from the baseline and target, standard errors were not available, and the objective had moved less than 10% relative to the baseline.   | IVP-9.2 National Vital Statistics System–Mortality (NVSS–M), CDC/NCHS; Bridged-race Population Estimates, CDC/NCHS and Census                                    |
| <sup>10</sup> There was no change between the baseline and the midcourse data point.   | IVP-9.3 National Vital Statistics System–Mortality (NVSS–M), CDC/NCHS; Bridged-race Population Estimates, CDC/NCHS and Census                                    |
| <b>Getting worse:</b>  | IVP-9.4 National Vital Statistics System–Mortality (NVSS–M), CDC/NCHS; Bridged-race Population Estimates, CDC/NCHS and Census                                    |
| <sup>11</sup> Movement was away from the baseline and target, standard errors were available, and the percentage change relative to the baseline was statistically significant.  | IVP-10 National Electronic Injury Surveillance System–All Injury Program (NEISS–AIP), CDC/NCIPC and CPSC; Bridged-race Population Estimates, CDC/NCHS and Census |
| <sup>12</sup> Movement was away from the baseline and target, standard errors were not available, and the objective had moved 10% or more relative to the baseline.  | IVP-11 National Vital Statistics System–Mortality (NVSS–M), CDC/NCHS; Bridged-race Population Estimates, CDC/NCHS and Census                                     |
| <sup>13</sup> <b>Baseline only:</b> The objective only had one data point, so progress toward target attainment could not be assessed.   | IVP-12 National Electronic Injury Surveillance System–All Injury Program (NEISS–AIP), CDC/NCIPC and CPSC; Bridged-race Population Estimates, CDC/NCHS and Census |
| <sup>14</sup> <b>Informational:</b> A target was not set for this objective, so progress toward target attainment could not be assessed.   | IVP-13.1 National Vital Statistics System–Mortality (NVSS–M), CDC/NCHS; Bridged-race Population Estimates, CDC/NCHS and Census                                   |
| <sup>15</sup> For objectives that <b>moved toward</b> their targets, movement toward the target was measured as the percentage of targeted change achieved (unless the target was already met or exceeded at baseline):  | IVP-13.2 Fatality Analysis Reporting System (FARS), DOT/NHTSA  |
| $\text{Percentage of targeted change achieved} = \frac{\text{Midcourse value} - \text{Baseline value}}{\text{HP2020 target} - \text{Baseline value}} \times 100$   | IVP-14 General Estimates System (GES), DOT/NHTSA; Population Estimates, Census   |
| <sup>16</sup> For objectives that <b>moved away</b> from their baselines and targets, movement away from the baseline was measured as the magnitude of the percentage change from baseline:  | IVP-15 National Occupant Protection Use Survey (NOPUS), DOT/NHTSA  |
| $\text{Magnitude of percentage change from baseline} = \frac{ \text{Midcourse value} - \text{Baseline value} }{\text{Baseline value}} \times 100$  | IVP-16.1 National Survey on the Use of Booster Seats (NSUBS), DOT/NHTSA  |
| <sup>17</sup> Statistical significance was tested when the objective had a target and at least two data points, standard errors of the data were available, and a normal distribution could be assumed. Statistical significance of the percentage of targeted change achieved or the magnitude of the percentage change from baseline was assessed at the 0.05 level using a normal one-sided test. | IVP-16.2 National Survey on the Use of Booster Seats (NSUBS), DOT/NHTSA  |
|  | IVP-16.3 National Survey on the Use of Booster Seats (NSUBS), DOT/NHTSA  |
|  | IVP-16.4 National Survey on the Use of Booster Seats (NSUBS), DOT/NHTSA  |
|  | IVP-18 Fatality Analysis Reporting System (FARS), DOT/NHTSA; Population Estimates, Census  |
|  | IVP-19 General Estimates System (GES), DOT/NHTSA; Population Estimates, Census   |
|  | IVP-20 Fatality Analysis Reporting System (FARS), DOT/NHTSA; Population Estimates, Census  |
|  | IVP-21 Bicycle Helmet Safety Institute (BHSI)  |
|  | IVP-22 National Occupant Protection Use Survey (NOPUS), DOT/NHTSA  |
|  | IVP-23.1 National Vital Statistics System–Mortality (NVSS–M), CDC/NCHS; Bridged-race Population Estimates, CDC/NCHS and Census                                   |
|  | IVP-23.2 National Vital Statistics System–Mortality (NVSS–M), CDC/NCHS; Bridged-race Population Estimates, CDC/NCHS and Census                                   |
|  | IVP-24.1 National Vital Statistics System–Mortality (NVSS–M), CDC/NCHS; Bridged-race Population Estimates, CDC/NCHS and Census                                   |

**Table 24–2. Midcourse Progress for Measurable<sup>1</sup> Injury and Violence Prevention Objectives—Continued**

DATA SOURCES—Continued

|          |   |
|----------|---|
| IVP-24.2 | National Vital Statistics System—Mortality (NVSS–M), CDC/NCHS; Bridged-race Population Estimates, CDC/NCHS and Census                                     |
| IVP-24.3 | National Vital Statistics System—Mortality (NVSS–M), CDC/NCHS; Bridged-race Population Estimates, CDC/NCHS and Census                                     |
| IVP-25   | National Vital Statistics System—Mortality (NVSS–M), CDC/NCHS; Bridged-race Population Estimates, CDC/NCHS and Census                                     |
| IVP-26   | National Health Interview Survey (NHIS), CDC/NCHS   |
| IVP-27.1 | School Health Policies and Practices Study (SHPPS), CDC/NCHHSTP   |
| IVP-27.2 | School Health Policies and Practices Study (SHPPS), CDC/NCHHSTP   |
| IVP-28   | National Vital Statistics System—Mortality (NVSS–M), CDC/NCHS; Bridged-race Population Estimates, CDC/NCHS and Census                                     |
| IVP-29   | National Vital Statistics System—Mortality (NVSS–M), CDC/NCHS; Bridged-race Population Estimates, CDC/NCHS and Census                                     |
| IVP-30   | National Vital Statistics System—Mortality (NVSS–M), CDC/NCHS; Bridged-race Population Estimates, CDC/NCHS and Census                                     |
| IVP-31   | National Electronic Injury Surveillance System (NEISS), CPSC; Bridged-race Population Estimates, CDC/NCHS and Census                                      |
| IVP-32   | National Electronic Injury Surveillance System—All Injury Program (NEISS–AIP), CDC/NCIPC and CPSC; Bridged-race Population Estimates, CDC/NCHS and Census |
| IVP-33   | National Crime Victimization Survey (NCVS), DOJ/BJA   |
| IVP-34   | Youth Risk Behavior Surveillance System (YRBSS), CDC/NCHHSTP  |
| IVP-35   | Youth Risk Behavior Surveillance System (YRBSS), CDC/NCHHSTP  |
| IVP-36   | Youth Risk Behavior Surveillance System (YRBSS), CDC/NCHHSTP  |
| IVP-37   | National Child Abuse and Neglect Data System (NCANDS), ACF; Population Estimates, Census  |
| IVP-38   | National Child Abuse and Neglect Data System (NCANDS), ACF; Population Estimates, Census  |
| IVP-41   | National Electronic Injury Surveillance System—All Injury Program (NEISS–AIP), CDC/NCIPC and CPSC; Bridged-race Population Estimates, CDC/NCHS and Census |
| IVP-42   | National Survey of Children’s Exposure to Violence (NatSCEV), DOJ/OJJDP   |
| IVP-43   | National Violent Death Reporting System (NVDRS), CDC/NCIPC  |

**Table 24–3. Midcourse Health Disparities<sup>1</sup> for Population-based Injury and Violence Prevention Objectives**

Most favorable (least adverse) and least favorable (most adverse) group rates and summary disparity ratios<sup>2,3</sup> for selected characteristics at the midcourse data point

LEGEND

At the midcourse data point  Group with the most favorable (least adverse) rate  Group with the least favorable (most adverse) rate  Data are available, but this group did not have the highest or lowest rate.  Data are not available for this group because the data were statistically unreliable, not collected, or not analyzed.

| Population-based Objectives  | Characteristics and Groups  |   |                                  |   |   |   |   |   |   |                        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                                      |
|--|---|---|----------------------------------|---|---|---|---|---|---|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------------------------|
|  | Sex   |   | Race and Ethnicity               |   |   |   |   |   |   | Education <sup>4</sup> |   |   |   |   | Family Income <sup>5</sup>  |   |   | Disability  |   | Location  |   |   |   |   |                                      |
|  | Male  | Female  | American Indian or Alaska Native | Asian   | Native Hawaiian or other Pacific Islander   | Two or more races   | Hispanic or Latino  | Black, not Hispanic   | White, not Hispanic   | Less than high school  | High school graduate  | At least some college   | Associate's degree  | 4-year college degree   | Advanced degree   | Poor  | Near-poor   | Middle  | Near-high   | High  | Persons with disabilities   | Persons without disabilities  | Metropolitan  | Nonmetropolitan   |                                      |
|  |   | Summary Disparity Ratio <sup>2</sup>  |                                  |   |   |   |   |   | Summary Disparity Ratio <sup>3</sup>  |                        |   |   |   |   | Summary Disparity Ratio <sup>3</sup>  |   |   |   |   |   |   |   |   |   | Summary Disparity Ratio <sup>2</sup> |
| <b>Injury Prevention</b>   |   |   |                                  |   |   |   |   |   |   |                        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                                      |
| <b>IVP-1.1</b> Injury deaths (age-adjusted, per 100,000 population) (2013)   |    |    | 2.361*                           |    |    |    |    |    |    | 2.473*                 |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 1.366*                               |
| <b>IVP-1.2</b> Nonfatal injury hospitalizations (age-adjusted, per 100,000 population) (2010)                                  |    |    | 1.017                            |    |    |    |    |    |    | 1.386*                 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                                      |
| <b>IVP-1.3</b> Emergency department visits for nonfatal injuries (age-adjusted, per 100,000 population) (2011)                 |  |  | 1.154*                           |  |  |  |  |  |  | 1.662*                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1.098                                |
| <b>IVP-2.1</b> Traumatic brain injury deaths (age-adjusted, per 100,000 population) (2013)                                     |  |  | 3.210*                           |  |  |  |  |  |  | 1.905*                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1.554*                               |
| <b>IVP-2.2</b> Nonfatal traumatic brain injury hospitalizations (age-adjusted, per 100,000 population) (2010)                  |  |  | 1.708*                           |  |  |  |  |  |  | 1.641*                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                      |
| <b>IVP-2.3</b> Emergency department visits for nonfatal traumatic brain injuries (age-adjusted, per 100,000 population) (2011) |  |  | 1.441*                           |  |  |  |  |  |  | 1.209                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1.248                                |
| <b>IVP-3.1</b> Spinal cord injury deaths (age-adjusted, per 100,000 population) (2013)   |  |  | 3.974*                           |  |  |  |  |  |  | 2.136*                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1.324*                               |
| <b>IVP-9.1</b> Poisoning deaths (age-adjusted, per 100,000 population) (2013)  |  |  | 1.702*                           |  |  |  |  |  |  | 4.609*                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1.090*                               |

**Table 24–3. Midcourse Health Disparities<sup>1</sup> for Population-based Injury and Violence Prevention Objectives—Continued**

Most favorable (least adverse) and least favorable (most adverse) group rates and summary disparity ratios<sup>2,3</sup> for selected characteristics at the midcourse data point

| Population-based Objectives   |        | Characteristics and Groups           |       |   |                   |                    |                     |                                      |                       |                        |                       |                    |                                      |                 |                            |           |                                      |           |                                      |                           |                              |              |                 |        |
|---|--------|--------------------------------------|-------|---|-------------------|--------------------|---------------------|--------------------------------------|-----------------------|------------------------|-----------------------|--------------------|--------------------------------------|-----------------|----------------------------|-----------|--------------------------------------|-----------|--------------------------------------|---------------------------|------------------------------|--------------|-----------------|--------|
|   |        | Sex                                  |       | Race and Ethnicity                        |                   |                    |                     |                                      |                       | Education <sup>4</sup> |                       |                    |                                      |                 | Family Income <sup>5</sup> |           |                                      |           | Disability                           |                           | Location                     |              |                 |        |
| Male  | Female | American Indian or Alaska Native     | Asian | Native Hawaiian or other Pacific Islander | Two or more races | Hispanic or Latino | Black, not Hispanic | White, not Hispanic                  | Less than high school | High school graduate   | At least some college | Associate's degree | 4-year college degree                | Advanced degree | Poor                       | Near-poor | Middle                               | Near-high | High                                 | Persons with disabilities | Persons without disabilities | Metropolitan | Nonmetropolitan |        |
| Summary Disparity Ratio <sup>2</sup>  |        | Summary Disparity Ratio <sup>3</sup> |       |   |                   |                    |                     | Summary Disparity Ratio <sup>3</sup> |                       |                        |                       |                    | Summary Disparity Ratio <sup>3</sup> |                 |                            |           | Summary Disparity Ratio <sup>2</sup> |           | Summary Disparity Ratio <sup>2</sup> |                           |                              |              |                 |        |
| <b>Injury Prevention—Continued</b>  |        |                                      |       |   |                   |                    |                     |                                      |                       |                        |                       |                    |                                      |                 |                            |           |                                      |           |                                      |                           |                              |              |                 |        |
| <b>IVP-9.2</b> Poisoning deaths (per 100,000 population, 35–54 years) (2013)  |        |                                      |       | 1.520*                                    |                   |                    |                     |                                      |                       |                        | 5.504*                |                    |                                      |                 |                            |           |                                      |           |                                      |                           |                              |              |                 | 1.164* |
| <b>IVP-9.3</b> Poisoning deaths of unintentional or undetermined intent (age-adjusted, per 100,000 population) (2013)       |        |                                      |       | 1.809*                                    |                   |                    |                     |                                      |                       |                        | 5.590*                |                    |                                      |                 |                            |           |                                      |           |                                      |                           |                              |              |                 | 1.091* |
| <b>IVP-9.4</b> Poisoning deaths of unintentional or undetermined intent (per 100,000 population, 35–54 years) (2013)        |        |                                      |       | 1.597*                                    |                   |                    |                     |                                      |                       |                        | 6.548*                |                    |                                      |                 |                            |           |                                      |           |                                      |                           |                              |              |                 | 1.154* |
| <b>IVP-10</b> Emergency department visits for nonfatal poisonings (age-adjusted, per 100,000 population) (2013)             |        |                                      |       | 1.420*                                    |                   |                    |                     |                                      |                       |                        |                       |                    |                                      |                 |                            |           |                                      |           |                                      |                           |                              |              |                 |        |
| <b>Unintentional Injury Prevention</b>  |        |                                      |       |   |                   |                    |                     |                                      |                       |                        |                       |                    |                                      |                 |                            |           |                                      |           |                                      |                           |                              |              |                 |        |
| <b>IVP-11</b> Unintentional injury deaths (age-adjusted, per 100,000 population) (2013)                                     |        |                                      |       | 1.997*                                    |                   |                    |                     |                                      |                       |                        | 2.503*                |                    |                                      |                 |                            |           |                                      |           |                                      |                           |                              |              |                 | 1.432* |
| <b>IVP-12</b> Emergency department visits for nonfatal unintentional injuries (age-adjusted, per 100,000 population) (2013) |        |                                      |       | 1.191*                                    |                   |                    |                     |                                      |                       |                        |                       |                    |                                      |                 |                            |           |                                      |           |                                      |                           |                              |              |                 |        |
| <b>IVP-13.1</b> Motor vehicle crash deaths (age-adjusted, per 100,000 population) (2013)                                    |        |                                      |       | 2.517*                                    |                   |                    |                     |                                      |                       |                        | 2.502*                |                    |                                      |                 |                            |           |                                      |           |                                      |                           |                              |              |                 | 1.994* |



**Table 24–3. Midcourse Health Disparities<sup>1</sup> for Population-based Injury and Violence Prevention Objectives—Continued**

Most favorable (least adverse) and least favorable (most adverse) group rates and summary disparity ratios<sup>2,3</sup> for selected characteristics at the midcourse data point

| Population-based Objectives  |   | Characteristics and Groups           |   |   |   |   |   |   |   |                                      |   |   |   |   |   |   |                                      |   |   |   |   |   |                                      |   |   |   |   |   |   |       |
|--|---|--------------------------------------|---|---|---|---|---|---|---|--------------------------------------|---|---|---|---|---|---|--------------------------------------|---|---|---|---|---|--------------------------------------|---|---|---|---|---|---|-------|
|  |   | Sex                                  | Race and Ethnicity  |   |   |   |   |   |   | Education <sup>4</sup>               |   |   |   |   | Family Income <sup>5</sup>  |   |                                      | Disability  |   | Location  |   |   |                                      |   |   |   |   |   |   |       |
| Male   | Female  | Summary Disparity Ratio <sup>2</sup> | American Indian or Alaska Native  | Asian   | Native Hawaiian or other Pacific Islander   | Two or more races   | Hispanic or Latino  | Black, not Hispanic   | White, not Hispanic   | Summary Disparity Ratio <sup>3</sup> | Less than high school   | High school graduate  | At least some college   | Associate's degree  | 4-year college degree   | Advanced degree   | Summary Disparity Ratio <sup>3</sup> | Poor  | Near-poor   | Middle  | Near-high   | High  | Summary Disparity Ratio <sup>3</sup> | Persons with disabilities   | Persons without disabilities  | Summary Disparity Ratio <sup>2</sup>  | Metropolitan  | Nonmetropolitan   | Summary Disparity Ratio <sup>2</sup>  |       |
| <b>Unintentional Injury Prevention—Continued</b>   |   |                                      |   |   |   |   |   |   |   |                                      |   |   |   |   |   |   |                                      |   |   |   |   |   |                                      |   |   |   |   |   |   |       |
| <b>IVP-23.2</b> Deaths from unintentional falls (age-adjusted, per 100,000 population, 65+ years) (2013)     |   |                                      |   |   |   |   |   |   |   |                                      |   |   |   |   |   |   |                                      |   |   |   |   |   |                                      |   |   |   |   |   |   |       |
|                             |    | 1.383*                               |    |    |    |    |    |    |    | 1.735*                               |    |    |    |    |    |    |                                      |    |    |    |    |    |                                      |    |    |   |    |    | 1.010   |       |
| <b>IVP-24.1</b> Unintentional suffocation deaths (age-adjusted, per 100,000 population) (2013)               |   |                                      |   |   |   |   |   |   |   |                                      |   |   |   |   |   |   |                                      |   |   |   |   |   |                                      |   |   |   |   |   |   |       |
|                             |    | 1.636*                               |    |    |    |    |    |    |    | 2.159*                               |    |    |    |    |    |    |                                      |    |    |    |    |    |                                      |    |    |   |    |    | 1.418*  |       |
| <b>IVP-24.2</b> Unintentional suffocation deaths (per 100,000 population, 0–12 months) (2013)                |   |                                      |   |   |   |   |   |   |   |                                      |   |   |   |   |   |   |                                      |   |   |   |   |   |                                      |   |   |   |   |   |   |       |
|                            |   | 1.303*                               |   |   |   |   |   |   |   | 3.455*                               |   |   |   |   |   |   |                                      |   |   |   |   |   |                                      |   |   |   |   |   | 1.321*  |       |
| <b>IVP-24.3</b> Unintentional suffocation deaths (age-adjusted, per 100,000 population, 65+ years) (2013)    |   |                                      |   |   |   |   |   |   |   |                                      |   |   |   |   |   |   |                                      |   |   |   |   |   |                                      |   |   |   |   |   |   |       |
|                           |  | 1.598*                               |  |  |  |  |  |  |  | 1.393*                               |  |  |  |  |  |  |                                      |  |  |  |  |  |                                      |  |  |   |  |  | 1.211*  |       |
| <b>IVP-25</b> Drowning deaths (age-adjusted, per 100,000 population) (2013)                                  |   |                                      |   |   |   |   |   |   |   |                                      |   |   |   |   |   |   |                                      |   |   |   |   |   |                                      |   |   |   |   |   |   |       |
|                           |  | 3.677*                               |  |  |  |  |  |  |  | 1.565*                               |  |  |  |  |  |  |                                      |  |  |  |  |  |                                      |  |  |   |  |  | 1.445*  |       |
| <b>IVP-26</b> Medically consulted sports and recreation injuries (age-adjusted, per 1,000 population) (2014) |   |                                      |   |   |   |   |   |   |   |                                      |   |   |   |   |   |   |                                      |   |   |   |   |   |                                      |   |   |   |   |   |   |       |
|                           |  | 1.309*                               |  |  |  |  |  |  |  | 1.736*                               |  |  |  |  |  |   | 1.765*                               |  |  |  |  |  |                                      | 1.447*  |  |  | 1.286   |  |  | 1.020 |
| <b>IVP-28</b> Residential fire deaths (age-adjusted, per 100,000 population) (2013)                          |   |                                      |   |   |   |   |   |   |   |                                      |   |   |   |   |   |   |                                      |   |   |   |   |   |                                      |   |   |   |   |   |   |       |
|                           |  | 1.509*                               |  |  |  |  |  |  |  | 5.128*                               |  |  |  |  |  |  |                                      |  |  |  |  |  |                                      |  |  |   |  |  | 2.325*  |       |

**Table 24–3. Midcourse Health Disparities<sup>1</sup> for Population-based Injury and Violence Prevention Objectives—Continued**

Most favorable (least adverse) and least favorable (most adverse) group rates and summary disparity ratios<sup>2,3</sup> for selected characteristics at the midcourse data point

| Population-based Objectives  |  | Sex  |        | Race and Ethnicity                   |                                  |       |   |                   |                    | Education <sup>4</sup> |                     |                                      |                       |                      | Family Income <sup>5</sup> |                    |                       |                 |                                      | Disability |           | Location |           |      |                                      |                           |                              |                                      |              |                 |                                      |  |
|--|--|------|--------|--------------------------------------|----------------------------------|-------|---|-------------------|--------------------|------------------------|---------------------|--------------------------------------|-----------------------|----------------------|----------------------------|--------------------|-----------------------|-----------------|--------------------------------------|------------|-----------|----------|-----------|------|--------------------------------------|---------------------------|------------------------------|--------------------------------------|--------------|-----------------|--------------------------------------|--|
|  |  | Male | Female | Summary Disparity Ratio <sup>2</sup> | American Indian or Alaska Native | Asian | Native Hawaiian or other Pacific Islander | Two or more races | Hispanic or Latino | Black, not Hispanic    | White, not Hispanic | Summary Disparity Ratio <sup>3</sup> | Less than high school | High school graduate | At least some college      | Associate's degree | 4-year college degree | Advanced degree | Summary Disparity Ratio <sup>3</sup> | Poor       | Near-poor | Middle   | Near-high | High | Summary Disparity Ratio <sup>3</sup> | Persons with disabilities | Persons without disabilities | Summary Disparity Ratio <sup>2</sup> | Metropolitan | Nonmetropolitan | Summary Disparity Ratio <sup>2</sup> |  |
| <b>Violence Prevention</b>   |  |      |        |                                      |                                  |       |   |                   |                    |                        |                     |                                      |                       |                      |                            |                    |                       |                 |                                      |            |           |          |           |      |                                      |                           |                              |                                      |              |                 |                                      |  |
| <b>IVP-29</b> Homicides (age-adjusted, per 100,000 population) (2013)  |  |      |        | 3.840*                               |                                  |       |   |                   |                    |                        |                     |                                      |                       |                      |                            |                    |                       |                 |                                      |            |           |          |           |      |                                      |                           |                              |                                      |              | 1.189*          |                                      |  |
| <b>IVP-30</b> Firearm-related deaths (age-adjusted, per 100,000 population) (2013)   |  |      |        | 6.154*                               |                                  |       |   |                   |                    |                        |                     |                                      |                       |                      |                            |                    |                       |                 |                                      |            |           |          |           |      |                                      |                           |                              |                                      | 1.368*       |                 |                                      |  |
| <b>IVP-31</b> Emergency department visits for nonfatal firearm-related injuries (per 100,000 population) (2013)                |  |      |        | 7.767*                               |                                  |       |   |                   |                    |                        |                     |                                      |                       |                      |                            |                    |                       |                 |                                      |            |           |          |           |      |                                      |                           |                              |                                      |              |                 |                                      |  |
| <b>IVP-32</b> Emergency department visits for nonfatal physical assault injuries (age-adjusted, per 100,000 population) (2013) |  |      |        | 1.673*                               |                                  |       |   |                   |                    |                        |                     |                                      |                       |                      |                            |                    |                       |                 |                                      |            |           |          |           |      |                                      |                           |                              |                                      |              |                 |                                      |  |
| <b>IVP-33</b> Physical assaults (per 1,000 population, 12+ years) (2013)   |  |      |        | 1.115                                |                                  |       |   |                   |                    |                        |                     |                                      |                       |                      |                            |                    |                       | 1.736*          |                                      |            |           |          |           |      | 1.873*                               |                           |                              |                                      |              |                 |                                      |  |
| <b>IVP-34</b> Physical fighting among adolescents (percent, grades 9–12) (2013)  |  |      |        | 1.571*                               |                                  |       |   |                   |                    |                        |                     |                                      |                       |                      |                            |                    |                       |                 |                                      |            |           |          |           |      |                                      |                           |                              |                                      |              |                 |                                      |  |
| <b>IVP-35</b> Bullying among adolescents (percent, grades 9–12) (2013)   |  |      |        | 1.525*                               |                                  |       |   |                   |                    |                        |                     |                                      |                       |                      |                            |                    |                       |                 |                                      |            |           |          |           |      |                                      |                           |                              |                                      |              |                 |                                      |  |



## Table 24–3. Midcourse Health Disparities<sup>1</sup> for Population-based Injury and Violence Prevention Objectives—Continued

### NOTES

See [HealthyPeople.gov](https://www.healthypeople.gov) for all Healthy People 2020 data. The **Technical Notes** provide more information on the measures of disparities.

### FOOTNOTES

<sup>1</sup>**Health disparities** were assessed among population groups within specified demographic characteristics (sex, race and ethnicity, educational attainment, etc.). This assessment did not include objectives that were not population-based, such as those based on states, worksites, or those monitoring the number of events.

<sup>2</sup>When there were only two groups (e.g., male and female), the **summary disparity ratio** was the ratio of the higher to the lower rate.

<sup>3</sup>When there were three or more groups (e.g., white non-Hispanic, black non-Hispanic, Hispanic) and the most favorable rate ( $R_b$ ) was the highest rate, the **summary disparity ratio** was calculated as  $R_b/R_a$ , where  $R_a$  = the average of the rates for all other groups. When there were three or more groups and the most favorable rate was the lowest rate, the summary disparity ratio was calculated as  $R_a/R_b$ .

<sup>4</sup>Unless otherwise footnoted, data do not include persons under age 25 years.

<sup>5</sup>Unless otherwise footnoted, the poor, near-poor, middle, near-high, and high income groups are for persons whose family incomes were less than 100%, 100%–199%, 200%–399%, 400%–599%, and at or above 600% of the poverty threshold, respectively.

\*The summary disparity ratio was significantly greater than 1.000. Statistical significance was assessed at the 0.05 level using a normal one-sided test on the natural logarithm scale.

<sup>†</sup>The summary disparity ratio was not tested for statistical significance because standard errors of the data were not available or normality on the natural logarithm scale could not be assumed.

<sup>a</sup>Data are for Asian or Pacific Islander persons.

<sup>b</sup>Data include persons of Hispanic origin.

<sup>c</sup>Location of the healthcare provider.

<sup>d</sup>Data are for urban locations and exclude suburban locations.

<sup>e</sup>Data are for rural locations.

<sup>f</sup>Data do not include persons under age 18 years.

<sup>g</sup>Data are for persons whose families earned less than \$20,000.

<sup>h</sup>Data are for persons whose families earned \$20,000 to \$34,999.

<sup>i</sup>Data are for persons whose families earned \$35,000 to \$49,999.

<sup>j</sup>Data are for persons whose families earned \$50,000 to \$74,999.

<sup>k</sup>Data are for persons whose families earned \$75,000 or more.

<sup>l</sup>Data are for persons whose family income was 400% or more of the poverty threshold.

### DATA SOURCES

|          |   |
|----------|---|
| IVP-1.1  | National Vital Statistics System–Mortality (NVSS–M), CDC/NCHS; Bridged-race Population Estimates, CDC/NCHS and Census                                     |
| IVP-1.2  | National Hospital Discharge Survey (NHDS), CDC/NCHS; Population Estimates, Census   |
| IVP-1.3  | National Hospital Ambulatory Medical Care Survey (NHAMCS), CDC/NCHS; Population Estimates, Census   |
| IVP-2.1  | National Vital Statistics System–Mortality (NVSS–M), CDC/NCHS; Bridged-race Population Estimates, CDC/NCHS and Census                                     |
| IVP-2.2  | National Hospital Discharge Survey (NHDS), CDC/NCHS; Population Estimates, Census   |
| IVP-2.3  | National Hospital Ambulatory Medical Care Survey (NHAMCS), CDC/NCHS; Population Estimates, Census   |
| IVP-3.1  | National Vital Statistics System–Mortality (NVSS–M), CDC/NCHS; Bridged-race Population Estimates, CDC/NCHS and Census                                     |
| IVP-9.1  | National Vital Statistics System–Mortality (NVSS–M), CDC/NCHS; Bridged-race Population Estimates, CDC/NCHS and Census                                     |
| IVP-9.2  | National Vital Statistics System–Mortality (NVSS–M), CDC/NCHS; Bridged-race Population Estimates, CDC/NCHS and Census                                     |
| IVP-9.3  | National Vital Statistics System–Mortality (NVSS–M), CDC/NCHS; Bridged-race Population Estimates, CDC/NCHS and Census                                     |
| IVP-9.4  | National Vital Statistics System–Mortality (NVSS–M), CDC/NCHS; Bridged-race Population Estimates, CDC/NCHS and Census                                     |
| IVP-10   | National Electronic Injury Surveillance System–All Injury Program (NEISS–AIP), CDC/NCIPC and CPSC; Bridged-race Population Estimates, CDC/NCHS and Census |
| IVP-11   | National Vital Statistics System–Mortality (NVSS–M), CDC/NCHS; Bridged-race Population Estimates, CDC/NCHS and Census                                     |
| IVP-12   | National Electronic Injury Surveillance System–All Injury Program (NEISS–AIP), CDC/NCIPC and CPSC; Bridged-race Population Estimates, CDC/NCHS and Census |
| IVP-13.1 | National Vital Statistics System–Mortality (NVSS–M), CDC/NCHS; Bridged-race Population Estimates, CDC/NCHS and Census                                     |
| IVP-14   | General Estimates System (GES), DOT/NHTSA; Population Estimates, Census   |
| IVP-15   | National Occupant Protection Use Survey (NOPUS), DOT/NHTSA  |
| IVP-18   | Fatality Analysis Reporting System (FARS), DOT/NHTSA; Population Estimates, Census  |
| IVP-19   | General Estimates System (GES), DOT/NHTSA; Population Estimates, Census   |
| IVP-20   | Fatality Analysis Reporting System (FARS), DOT/NHTSA; Population Estimates, Census  |
| IVP-22   | National Occupant Protection Use Survey (NOPUS), DOT/NHTSA  |
| IVP-23.1 | National Vital Statistics System–Mortality (NVSS–M), CDC/NCHS; Bridged-race Population Estimates, CDC/NCHS and Census                                     |
| IVP-23.2 | National Vital Statistics System–Mortality (NVSS–M), CDC/NCHS; Bridged-race Population Estimates, CDC/NCHS and Census                                     |
| IVP-24.1 | National Vital Statistics System–Mortality (NVSS–M), CDC/NCHS; Bridged-race Population Estimates, CDC/NCHS and Census                                     |
| IVP-24.2 | National Vital Statistics System–Mortality (NVSS–M), CDC/NCHS; Bridged-race Population Estimates, CDC/NCHS and Census                                     |
| IVP-24.3 | National Vital Statistics System–Mortality (NVSS–M), CDC/NCHS; Bridged-race Population Estimates, CDC/NCHS and Census                                     |
| IVP-25   | National Vital Statistics System–Mortality (NVSS–M), CDC/NCHS; Bridged-race Population Estimates, CDC/NCHS and Census                                     |
| IVP-26   | National Health Interview Survey (NHIS), CDC/NCHS   |
| IVP-28   | National Vital Statistics System–Mortality (NVSS–M), CDC/NCHS; Bridged-race Population Estimates, CDC/NCHS and Census                                     |

**Table 24–3. Midcourse Health Disparities<sup>1</sup> for Population-based Injury and Violence Prevention Objectives—Continued**

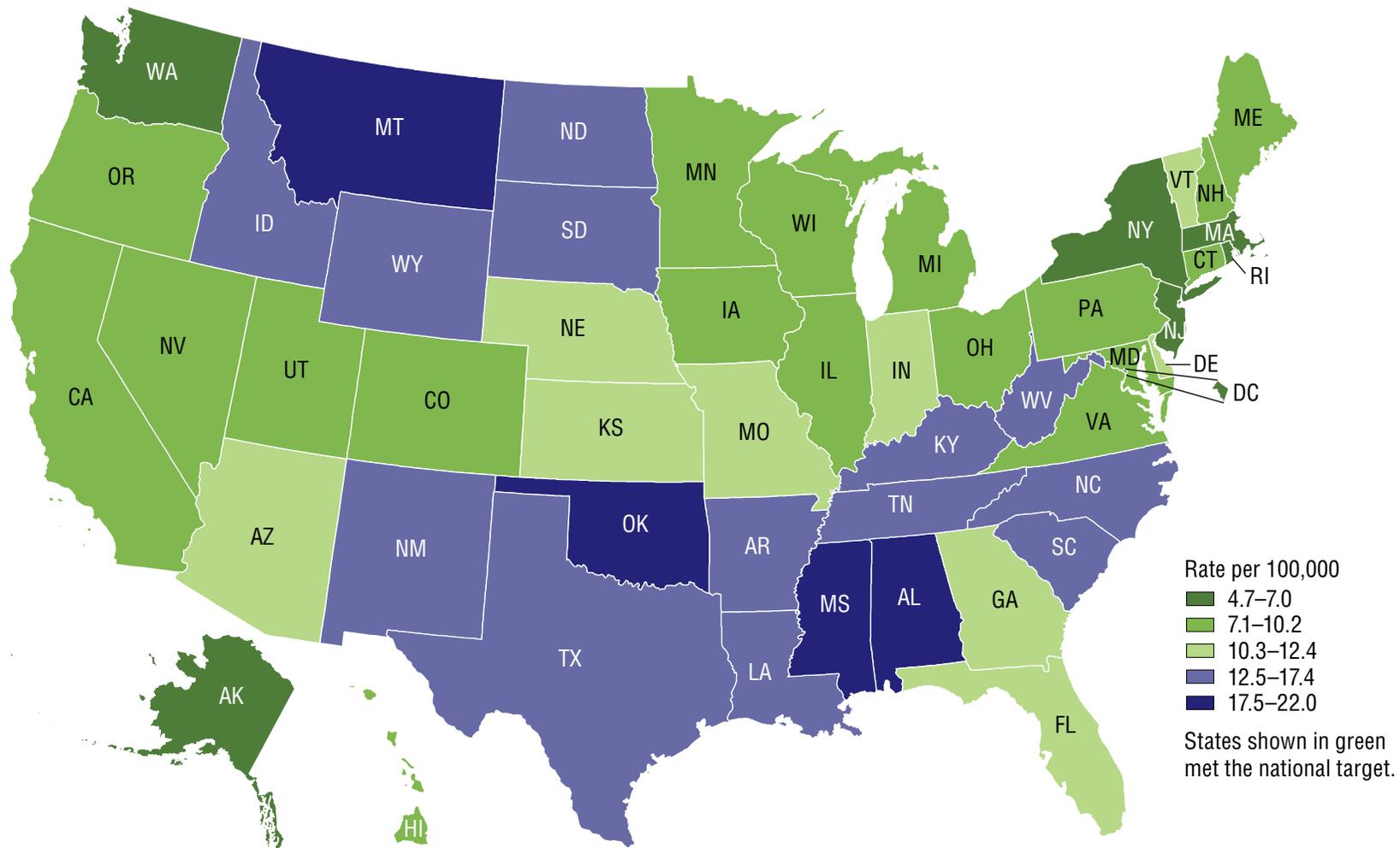
## DATA SOURCES—Continued

|        |   |
|--------|---|
| IVP-29 | National Vital Statistics System—Mortality (NVSS–M), CDC/NCHS; Bridged-race Population Estimates, CDC/NCHS and Census                                     |
| IVP-30 | National Vital Statistics System—Mortality (NVSS–M), CDC/NCHS; Bridged-race Population Estimates, CDC/NCHS and Census                                     |
| IVP-31 | National Electronic Injury Surveillance System (NEISS), CPSC; Bridged-race Population Estimates, CDC/NCHS and Census                                      |
| IVP-32 | National Electronic Injury Surveillance System—All Injury Program (NEISS–AIP), CDC/NCIPC and CPSC; Bridged-race Population Estimates, CDC/NCHS and Census |
| IVP-33 | National Crime Victimization Survey (NCVS), DOJ/BJA   |
| IVP-34 | Youth Risk Behavior Surveillance System (YRBSS), CDC/NCHHSTP  |
| IVP-35 | Youth Risk Behavior Surveillance System (YRBSS), CDC/NCHHSTP  |
| IVP-36 | Youth Risk Behavior Surveillance System (YRBSS), CDC/NCHHSTP  |
| IVP-37 | National Child Abuse and Neglect Data System (NCANDS), ACF; Population Estimates, Census  |
| IVP-38 | National Child Abuse and Neglect Data System (NCANDS), ACF; Population Estimates, Census  |
| IVP-41 | National Electronic Injury Surveillance System—All Injury Program (NEISS–AIP), CDC/NCIPC and CPSC; Bridged-race Population Estimates, CDC/NCHS and Census |
| IVP-42 | National Survey of Children’s Exposure to Violence (NatSCEV), DOJ/OJJDP   |



## Map 24–2. Motor Vehicle Crash Deaths, by State: 2013

Healthy People 2020 Objective IVP-13.1 • National Target = 12.4 per 100,000 population • National Rate = 10.5 per 100,000 population



NOTES: Data are for ICD-10 codes V02–V04 (.1, .9), V09.2, V12–V14 (.3–.9), V19 (.4–.6), V20–V28 (.3–.9), V29–V79 (.4–.9), V80 (.3–.5), V81.1, V82.1, V83–V86 (.0–.3), V87 (.0–.80), and V89.2 reported as the underlying cause of death and are age-adjusted to the 2000 standard population. Data are displayed by a modified Jenks classification for U.S. states which creates categories that minimize within-group variation and maximize between-group variation. The [Technical Notes](#) provide more information on the data and methods.

DATA SOURCES: National Vital Statistics System–Mortality (NVSS–M), CDC/NCHS; Bridged-race Population Estimates, CDC/NCHS and Census

