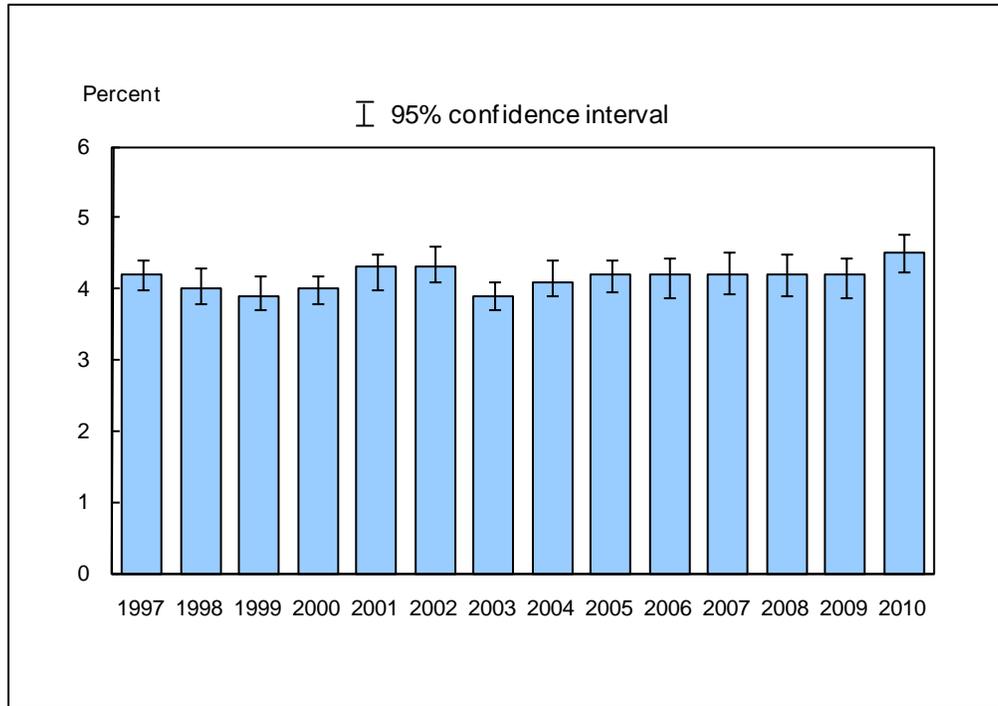


Figure 15.1. Percentage of persons of all ages who experienced an asthma episode in the past 12 months: United States, 1997–2010

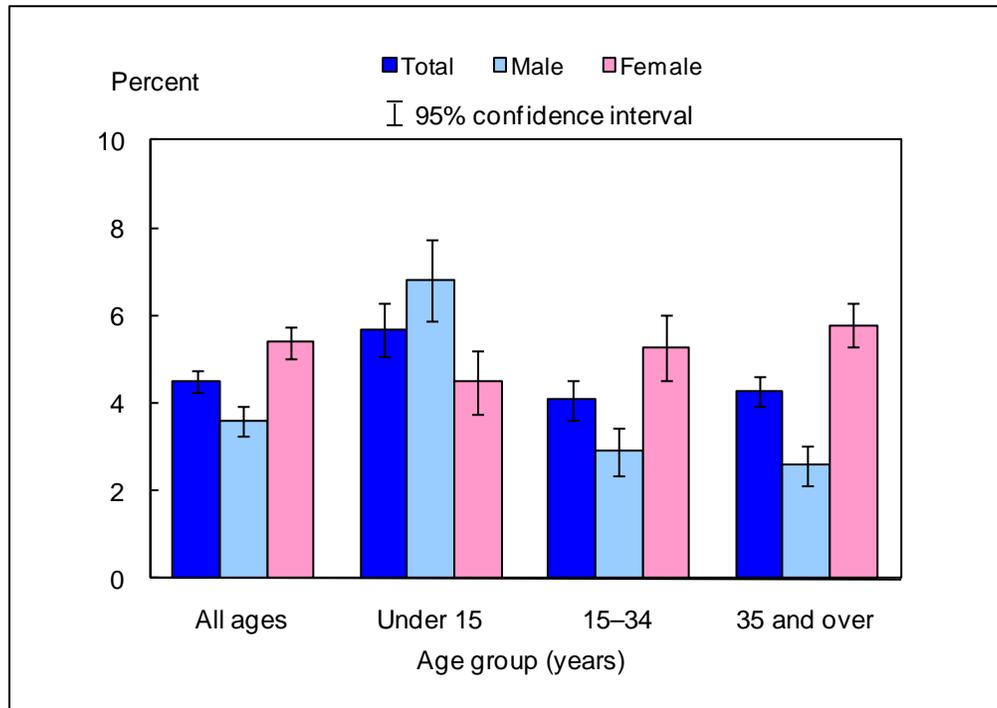


NOTES: Information on an episode of asthma or asthma attack during the past 12 months is self-reported by adults aged 18 and over. For children under age 18, the information is collected from an adult family member, usually a parent, who is knowledgeable about the child's health. The analyses excluded people with unknown asthma episode status (about 0.1% of respondents each year). Beginning with the 2003 data, the National Health Interview Survey transitioned to weights derived from the 2000 census. In this Early Release, estimates for 2000–2002 were recalculated using weights derived from the 2000 census. See "About This Early Release" for more details.

DATA SOURCE: CDC/NCHS, National Health Interview Survey, 1997–2010, combined Sample Adult and Sample Child Core components. Data are based on household interviews of a sample of the civilian noninstitutionalized population.

- In 2010, the percentage of persons of all ages who experienced an asthma episode in the past 12 months was 4.5% (95% confidence interval = 4.24%–4.77%), which was not significantly different from the 2009 estimate of 4.2%.
- The percentage of persons of all ages who experienced an asthma episode in the past 12 months was lowest in 1999 and 2003 (3.9%) and highest in 2010 (4.5%).

Figure 15.2. Percentage of persons of all ages who experienced an asthma episode in the past 12 months, by age group and sex: United States, 2010

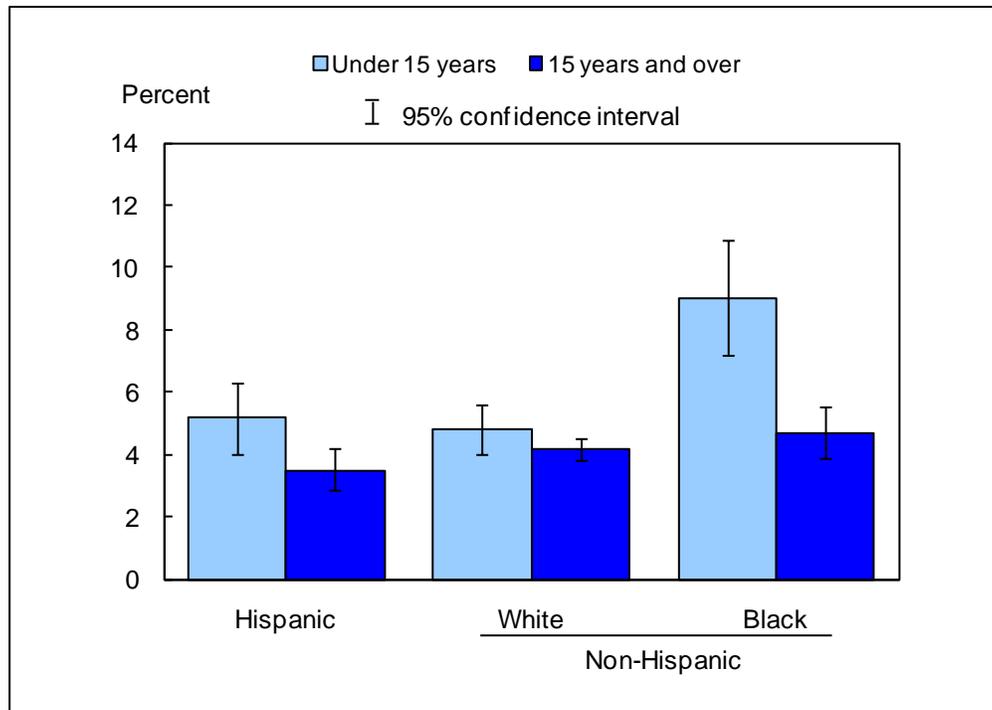


NOTES: Information on an episode of asthma or asthma attack during the past 12 months is self-reported by adults aged 18 and over. For children under age 18, the information is collected from an adult family member, usually a parent, who is knowledgeable about the child's health. The analyses excluded 46 persons (0.1%) with unknown asthma episode status.

DATA SOURCE: CDC/NCHS, National Health Interview Survey, 2010, combined Sample Adult and Sample Child Core components. Data are based on household interviews of a sample of the civilian noninstitutionalized population.

- For both sexes combined, the percentage of persons who had an asthma episode in the past 12 months was higher among children under age 15 than among persons aged 15–34 and persons 35 and over.
- For children under age 15, the percentage who had an asthma episode in the past 12 months was higher among boys than among girls. However, for age groups 15–34 and 35 and over, the percentage was higher among females than among males.

Figure 15.3. Sex-adjusted percentage of persons of all ages who experienced an asthma episode in the past 12 months, by age group and race/ethnicity: United States, 2010

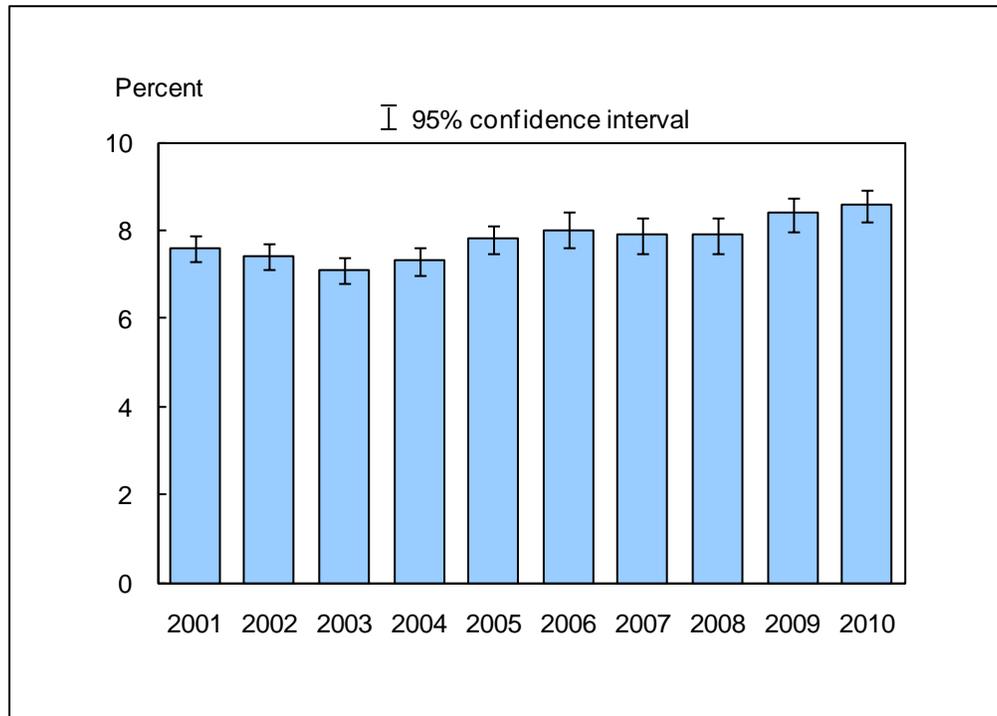


NOTES: Information on an episode of asthma or asthma attack during the past 12 months is self-reported by adults aged 18 years and over. For children under age 18, the information is collected from an adult family member, usually a parent, who is knowledgeable about the child's health. The analyses excluded 46 persons (0.1%) with unknown asthma episode status. Additional estimates of asthma episodes in the past 12 months among persons with current asthma are provided in the Data table for Figure 15.3.

DATA SOURCE: CDC/NCHS, National Health Interview Survey, 2010, combined Sample Adult and Sample Child Core components. Data are based on household interviews of a sample of the civilian noninstitutionalized population.

- For children under age 15, the sex-adjusted percentages who had an asthma episode in the past 12 months were 5.2% for Hispanic children, 4.8% for non-Hispanic white children, and 9.0% for non-Hispanic black children.
- For persons aged 15 and over, the sex-adjusted percentages who had an asthma episode in the past 12 months were 3.5% for Hispanic persons, 4.2% for non-Hispanic white persons, and 4.7% for non-Hispanic black persons.

Figure 15.4. Prevalence of current asthma among persons of all ages: United States, 2001–2010

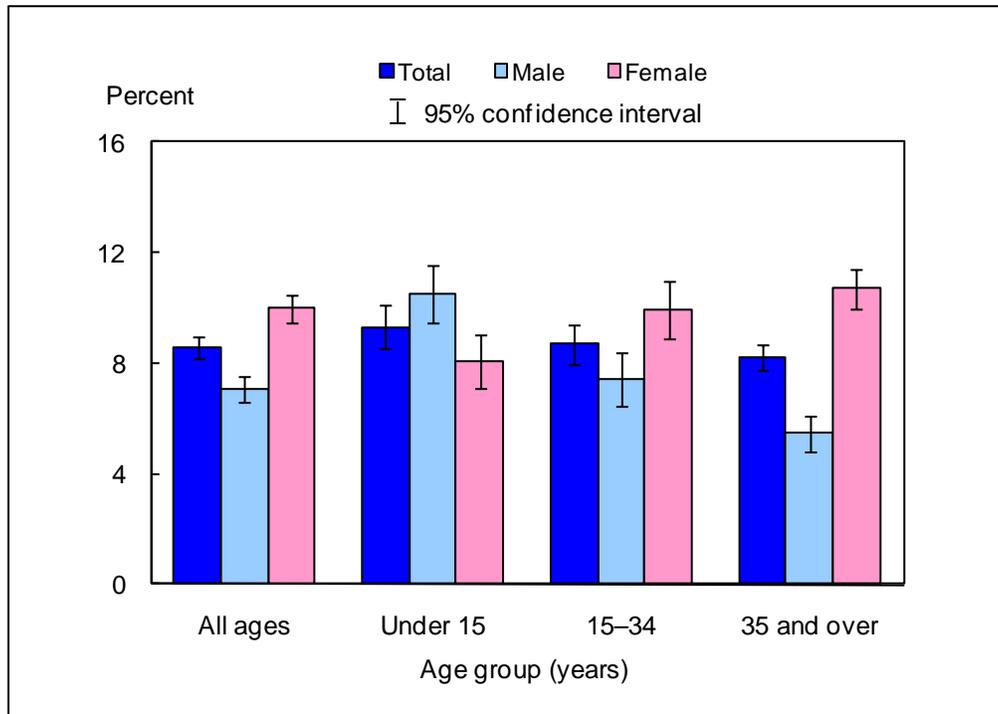


NOTES: Beginning in 2001, respondents were asked about current asthma in addition to the question regarding asthma episodes. Information on current asthma is self-reported by adults aged 18 and over. For children under age 18, the information is collected from an adult family member, usually a parent, who is knowledgeable about the child's health. The analyses excluded people with unknown current asthma status (about 0.2% of respondents each year). Beginning with the 2003 data, the National Health Interview Survey transitioned to weights derived from the 2000 census. In this Early Release, estimates for 2001–2002 were recalculated using weights derived from the 2000 census. See "About This Early Release" for more details.

DATA SOURCE: CDC/NCHS, National Health Interview Survey, 2001–2010, combined Sample Adult and Sample Child Core components. Data are based on household interviews of a sample of the civilian noninstitutionalized population.

- In 2010, 8.6% (95% confidence interval = 8.19%–8.94%) of persons of all ages currently had asthma, which was not significantly different from the 2009 estimate of 8.4%.
- The percentage of current asthma among persons of all ages generally increased from 7.1% in 2003 to 8.6% in 2010.

Figure 15.5. Prevalence of current asthma among persons of all ages, by age group and sex: United States, 2010

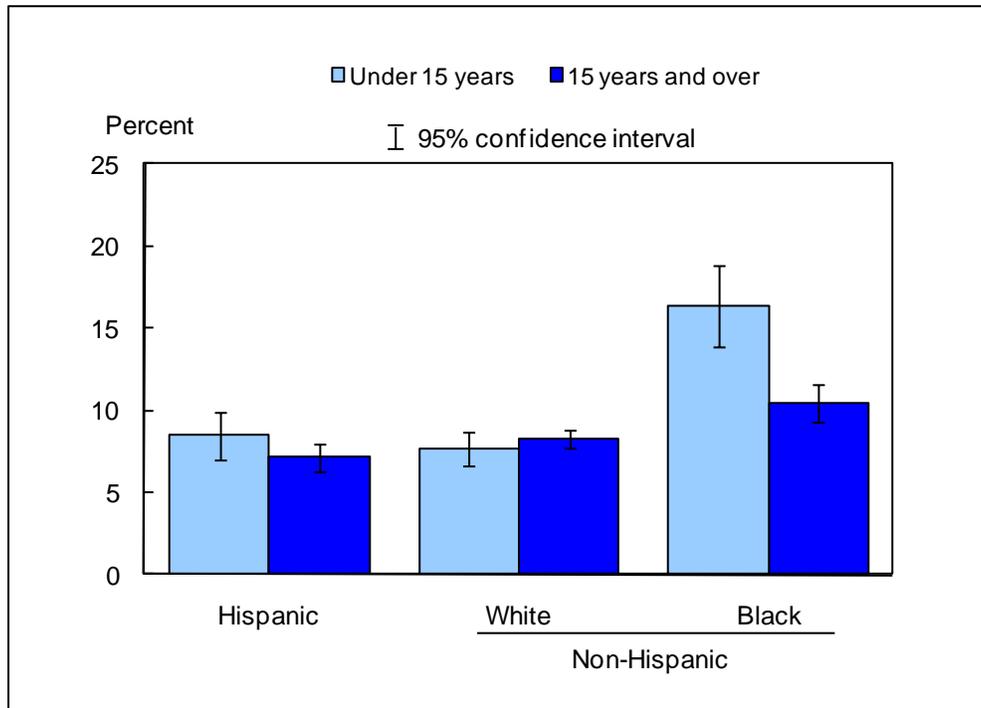


NOTES: Information on current asthma is self-reported by adults aged 18 and over. For children under age 18, the information is collected from an adult family member, usually a parent, who is knowledgeable about the child's health. The analyses excluded 68 persons (0.2%) with unknown current asthma status.

DATA SOURCE: CDC/NCHS, National Health Interview Survey, 2010, combined Sample Adult and Sample Child Core components. Data are based on household interviews of a sample of the civilian noninstitutionalized population.

- For both sexes combined, the prevalence of current asthma was higher among children under age 15 than among persons aged 35 and over.
- For age groups 15–34 and 35 and over, the prevalence of current asthma was higher among females than males. However, for children under age 15 the prevalence was higher among boys than girls.

Figure 15.6. Sex-adjusted prevalence of current asthma among persons of all ages, by age group and race/ethnicity: United States, 2010



NOTES: Information on current asthma is self-reported by adults aged 18 and over. For children under age 18, the information is collected from an adult family member, usually a parent, who is knowledgeable about the child's health. The analyses excluded 68 persons (0.2%) with unknown current asthma status.

DATA SOURCE: CDC/NCHS, National Health Interview Survey, 2010, combined Sample Adult and Sample Child Core components. Data are based on household interviews of a sample of the civilian noninstitutionalized population.

- For children under age 15, the sex-adjusted prevalence of current asthma was higher among non-Hispanic black children (16.4%) than among Hispanic children (8.5%) and non-Hispanic white children (7.6%).
- For persons aged 15 and over, the sex-adjusted prevalence of current asthma was higher among non-Hispanic black persons (10.5%) than among non-Hispanic white persons (8.2%) and Hispanic persons (7.2%).

Data tables for Figures 15.1–15.6:

Data table for Figure 15.1. Percentage of persons of all ages who experienced an asthma episode in the past 12 months: United States, 1997–2010

| Year | Crude ¹ percent (95% confidence interval) | Age-adjusted ² percent (95% confidence interval) |
|------|---|--|
| 1997 | 4.2 (4.0-4.4) | 4.2 (3.9-4.4) |
| 1998 | 4.0 (3.7-4.2) | 3.9 (3.7-4.2) |
| 1999 | 3.9 (3.6-4.1) | 3.9 (3.6-4.1) |
| 2000 | 4.0 (3.8-4.2) | 4.0 (3.8-4.2) |
| 2001 | 4.3 (4.1-4.6) | 4.3 (4.1-4.5) |
| 2002 | 4.3 (4.0-4.5) | 4.3 (4.0-4.5) |
| 2003 | 3.9 (3.7-4.1) | 3.9 (3.7-4.1) |
| 2004 | 4.1 (3.8-4.3) | 4.1 (3.8-4.3) |
| 2005 | 4.2 (3.99-4.43) | 4.2 (4.00-4.44) |
| 2006 | 4.2 (3.96-4.52) | 4.3 (3.98-4.54) |
| 2007 | 4.2 (3.87-4.46) | 4.2 (3.88-4.47) |
| 2008 | 4.2 (3.91-4.48) | 4.2 (3.93-4.50) |
| 2009 | 4.2 (3.97-4.52) | 4.3 (3.99-4.54) |
| 2010 | 4.5 (4.24-4.77) | 4.5 (4.25-4.78) |

¹Crude estimates are presented in the figure.

²Estimates are age adjusted using the projected 2000 U.S. population as the standard population and using three age groups: 0–14, 15–34, and 35 and over.

NOTES: Beginning with the 2003 data, the National Health Interview Survey transitioned to weights derived from the 2000 census. In this Early Release, estimates for 2000–2002 were recalculated using weights derived from the 2000 census. See "About This Early Release" for more details.

DATA SOURCE: CDC/NCHS, National Health Interview Survey, 1997–2010, combined Sample Adult and Sample Child Core components. Data are based on household interviews of a sample of the civilian noninstitutionalized population.

Data table for Figure 15.2. Percentage of persons of all ages who experienced an asthma episode in the past 12 months, by age group and sex: United States, 2010

| Age (years) and sex | Percent | 95% confidence interval |
|---|---------|-------------------------|
| Under 15, total | 5.7 | 5.05-6.30 |
| Under 15, male | 6.8 | 5.89-7.75 |
| Under 15, female | 4.5 | 3.75-5.21 |
| 15-34, total | 4.1 | 3.61-4.54 |
| 15-34, male | 2.9 | 2.36-3.44 |
| 15-34, female | 5.3 | 4.51-6.01 |
| 35 and over, total | 4.3 | 3.92-4.62 |
| 35 and over, male | 2.6 | 2.14-3.05 |
| 35 and over, female | 5.8 | 5.28-6.28 |
| All ages (crude ¹), total | 4.5 | 4.24-4.77 |
| All ages (crude ¹), male | 3.6 | 3.24-3.92 |
| All ages (crude ¹), female | 5.4 | 5.01-5.76 |
| All ages (age-adjusted ²), total | 4.5 | 4.25-4.78 |
| All ages (age-adjusted ²), male | 3.6 | 3.25-3.92 |
| All ages (age-adjusted ²), female | 5.4 | 4.99-5.73 |

¹Crude estimates are presented in the figure.

²Estimates are age adjusted using the projected 2000 U.S. population as the standard population and using three age groups: 0-14, 15-34, and 35 and over.

DATA SOURCE: CDC/NCHS, National Health Interview Survey, 2010, combined Sample Adult and Sample Child Core components. Data are based on household interviews of a sample of the civilian noninstitutionalized population.

Data table for Figure 15.3. Sex-adjusted percentage of persons who experienced an asthma episode in the past 12 months, among all persons and among persons with current asthma, by age group and race/ethnicity: United States, 2010

| Age (years) and race/ethnicity | Percent¹ among all persons (95% confidence interval) | Percent¹ among persons with current asthma (95% confidence interval) |
|--|--|--|
| Under 15, Hispanic or Latino | 5.2 (4.04-6.31) | 60.5 (52.56-68.43) |
| Under 15, not Hispanic or Latino, single race, white | 4.8 (4.01-5.59) | 61.8 (55.78-67.87) |
| Under 15, not Hispanic or Latino, single race, black | 9.0 (7.18-10.86) | 54.5 (46.33-62.60) |
| 15 and over, Hispanic or Latino | 3.5 (2.87-4.21) | 47.5 (39.62-55.47) |
| 15 and over, not Hispanic or Latino, single race, white | 4.2 (3.82-4.54) | 49.4 (46.33-52.43) |
| 15 and over, not Hispanic or Latino, single race, black | 4.7 (3.88-5.53) | 44.1 (38.30-49.92) |

¹Estimates for all persons are presented in the figure. Estimates are sex adjusted using the projected 2000 U.S. population as the standard population.

DATA SOURCE: CDC/NCHS, National Health Interview Survey, 2010, combined Sample Adult and Sample Child Core components. Data are based on household interviews of a sample of the civilian noninstitutionalized population.

**Data table for Figure 15.4. Prevalence of current asthma among persons of all ages:
 United States, 2001–2010**

| Year | Crude ¹ percent (95% confidence interval) | Age-adjusted ² percent (95% confidence interval) |
|------|---|--|
| 2001 | 7.6 (7.3-7.9) | 7.6 (7.3-7.9) |
| 2002 | 7.4 (7.1-7.7) | 7.4 (7.1-7.7) |
| 2003 | 7.1 (6.8-7.4) | 7.1 (6.8-7.4) |
| 2004 | 7.3 (7.0-7.6) | 7.3 (7.1-7.7) |
| 2005 | 7.8 (7.50-8.10) | 7.8 (7.51-8.11) |
| 2006 | 8.0 (7.61-8.41) | 8.0 (7.62-8.43) |
| 2007 | 7.9 (7.50-8.31) | 7.9 (7.51-8.33) |
| 2008 | 7.9 (7.48-8.27) | 7.9 (7.51-8.30) |
| 2009 | 8.4 (7.97-8.76) | 8.4 (7.99-8.78) |
| 2010 | 8.6 (8.19-8.94) | 8.6 (8.20-8.95) |

¹Crude estimates are presented in the figure.

²Estimates are age adjusted using the projected 2000 U.S. population as the standard population and using three age groups: 0–14, 15–34, and 35 and over.

NOTES: Beginning in 2001, respondents were asked about current asthma in addition to the question regarding asthma episodes. Beginning with 2003 data, the National Health Interview Survey transitioned to weights derived from the 2000 census. In this Early Release, estimates for 2000–2002 were recalculated using weights derived from the 2000 census. See "About This Early Release" for more details.

DATA SOURCE: CDC/NCHS, National Health Interview Survey, 2001–2010, combined Sample Adult and Sample Child Core components. Data are based on household interviews of a sample of the civilian noninstitutionalized population.

Data table for Figure 15.5. Prevalence of current asthma among persons of all ages, by age group and sex: United States, 2010

| Age (years) and sex | Percent | 95% confidence interval |
|---|---------|-------------------------|
| Under 15, total | 9.3 | 8.51-10.09 |
| Under 15, male | 10.5 | 9.46-11.54 |
| Under 15, female | 8.0 | 7.07-9.02 |
| 15-34, total | 8.7 | 7.98-9.39 |
| 15-34, male | 7.4 | 6.43-8.42 |
| 15-34, female | 10.0 | 8.92-11.00 |
| 35 and over, total | 8.2 | 7.73-8.70 |
| 35 and over, male | 5.5 | 4.81-6.11 |
| 35 and over, female | 10.7 | 10.03-11.39 |
| All ages (crude ¹), total | 8.6 | 8.19-8.94 |
| All ages (crude ¹), male | 7.1 | 6.61-7.56 |
| All ages (crude ¹), female | 10.0 | 9.48-10.49 |
| All ages (age-adjusted ²), total | 8.6 | 8.20-8.95 |
| All ages (age-adjusted ²), male | 7.1 | 6.61-7.55 |
| All ages (age-adjusted ²), female | 9.9 | 9.42-10.44 |

¹Crude estimates are presented in the figure.

²Estimates are age adjusted using the projected 2000 U.S. population as the standard population and using three age groups: 0–14, 15–34, and 35 and over.

DATA SOURCE: CDC/NCHS, National Health Interview Survey, 2010, combined Sample Adult and Sample Child Core components. Data are based on household interviews of a sample of the civilian noninstitutionalized population.

Data table for Figure 15.6. Sex-adjusted prevalence of current asthma among persons of all ages, by age group and race/ethnicity: United States, 2010

| Age (years) and race/ethnicity | Percent ¹ | 95% confidence interval |
|---|----------------------|-------------------------|
| Under 15, Hispanic or Latino | 8.5 | 7.02-9.90 |
| Under 15, not Hispanic or Latino, single race, white | 7.6 | 6.59-8.65 |
| Under 15, not Hispanic or Latino, single race, black | 16.4 | 13.92-18.89 |
| 15 and over, Hispanic or Latino | 7.2 | 6.29-8.01 |
| 15 and over, not Hispanic or Latino, single race, white | 8.2 | 7.74-8.76 |
| 15 and over, not Hispanic or Latino, single race, black | 10.5 | 9.28-11.64 |

¹Estimates are sex adjusted using the projected 2000 U.S. population as the standard population.

DATA SOURCE: CDC/NCHS, National Health Interview Survey, 2010, combined Sample Adult and Sample Child Core components. Data are based on household interviews of a sample of the civilian noninstitutionalized population.