A Profile of Health Among Massachusetts Adults, 2022

**Results from the Behavioral Risk Factor Surveillance System**

Health Survey Program

Office of Data Management and Outcomes Assessment

Massachusetts Department of Public Health



December 2023

**Massachusetts Department of Public Health**

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*December 2023*

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Introduction

The Behavioral Risk Factor Surveillance System (BRFSS) is a continuous multimode survey of adults ages 18 and older and is conducted in all states as a collaboration between the federal Centers for Disease Control and Prevention (CDC) and state health departments. The landline telephone portion of the survey has been conducted in Massachusetts since 1986; a cell phone component was added in 2011. The BRFSS collects data on various health risk factors, preventive behaviors, chronic conditions, and emerging public health issues. The information obtained in this survey assists in identifying the need for health interventions, monitoring the effectiveness of existing interventions and prevention programs, developing health policy and legislation, and measuring progress toward attaining state and national health objectives.

Each year, the BRFSS includes a core set of questions developed by CDC. These questions address health status, health care access and utilization, overweight and obesity status, asthma, diabetes, immunizations, tobacco use, alcohol consumption, HIV/AIDS testing, and other selected public health topics.

In addition to the core CDC questions, the Massachusetts Health Survey Program, in collaboration with other Massachusetts Department of Public Health programs, added several topics to the survey including environmental tobacco exposure, mental illness and stigma, sexual violence, and other selected topics.

In 2022, 1,778 landline interviews and 9,251 cell phone interviews were completed among Massachusetts adults. Interviews were administered in English or Spanish.

This report summarizes selected results from the combined landline and cell phone portions of the 2022 Massachusetts BRFSS. Each section of the report provides a description of survey questions used to obtain estimates for key variables. Tables detailing the overall estimates and estimates by demographic and socioeconomic characteristics (gender, age, race-ethnicity, disability status, education, annual household income, and sexual orientation/gender identity) are provided in the main body of the report in the form of crude percentages.

In the Appendix, tables are presented detailing age-adjusted percentages for 2022 indicators and their 95% confidence intervals. United States (US) median data for all participating states and territories for variables with comparable national data are presented for 2022 in a separate table.

All percentages in this report are weighted (see definition on page 64) to represent the total Massachusetts population in 2022.

Health Equity

Data collected through the BRFSS enable the Department of Public Health (DPH) to provide estimates of a variety of health risk factors, preventive behaviors, chronic conditions, and emerging public health issues for the overall Massachusetts population and grouped by demographic and socioeconomic characteristics (sex, age, race-ethnicity, disability status, education, annual household income and sexual orientation/gender identity). These analyses highlight inequities in health within and across population sub-groups. In interpreting these results, it is critical to recognize that the social, economic, behavioral, and physical factors experienced by populations where they live and work profoundly impact their health. Disparities in outcomes by race, for example, are more often due to social factors and the legacy of racial discrimination rather than biological causes. The social determinants of health (SDOH) are rooted in systems; therefore public health action to reduce and prevent health inequities must be directed at systems change. DPH focuses on the SDOH to eliminate inequities and achieve the vision of health and well-being for all residents of the Commonwealth. More information about Social Determinants of Health can be found on the Population Health Information Tool (PHIT) website [<https://www.mass.gov/orgs/population-health-information-tool-phit>].​

It is important to note that, as part of a federal survey, BRFSS adheres to federal Office of Management and Budget (OMB) guidelines in the collection of race and ethnicity data. Due to sample size constraints, it is necessary to collapse some racial categories when presenting annual results; however, this may mask disparities faced by smaller subpopulations. Those interested in data on these smaller populations are encouraged to contact the program as multi-year data may be available. Also, due to lack of population data for weighting, BRFSS does not collect detailed data on gender identity, thus not all gender identities are represented.

Highlights

**Overall Health Measures**

* Hispanic/Latine adults were more likely than White, Black, or Asian (non-Hispanic/non-Latine) adults to report that their overall health was fair or poor. Additionally, adults with a disability, older adults, and Lesbian, Gay, Bisexual, or Transgender (LGBT) adults reported a higher prevalence of overall fair or poor health than adults without a disability, younger adults, and straight/cisgender adults. (Table 1.1)
* Females were more likely than males, adults with a disability were more likely than adults without a disability, and younger adults were more likely than older adults to report that their mental health was not good for at least 15 days in the previous month. LGBT adults reported the highest prevalence of frequent poor mental health. (Table 1.2)

**Health Care Access and Utilization**

* Overall, 2.7% of adults aged 18-64 reported not having health insurance. Males were more likely than females, and Hispanic/Latine adults were more likely than non-Hispanic/Latine adults to not have health insurance. (Table 2.1)
* Hispanic/Latine adults were less likely than non-Hispanic/Latine adults and males were less likely than females to report having a personal health care provider. (Table 2.2)
* Hispanic/Latine adults were more likely than non-Hispanic/Latine adults and LGBT adults were more likely than straight/cisgender adults to report not being able to see a doctor at some point in the previous year due to cost. (Table 2.2)
* Black and Hispanic/Latine adults were less likely than White adults and adults with a disability were less likely than adults without a disability to report having a dental visit in the previous year. (Table 2.3)

**Risk Factors and Preventive Behaviors**

* In 2022, 10.4% of adults reported current cigarette smoking. Adults with a disability were twice as likely as those without a disability to be current cigarette smokers. (Table 3.1.1)
* Overall, current use of e-cigarettes was 5.6%; however, among those 18-24 years of age, 16.3% report using e-cigarettes. (Table 3.1.3)
* In 2022, 17.2% of adults reported binge drinking in the previous 30 days. Prevalence was highest among those 18-34 years of age and decreases with age. Males were more likely than females to report binge drinking. (Table 3.4)
* 61.9% of adults reported being overweight or obese (BMI ≥ 25.0) and 27.2% reported being obese (BMI ≥ 30.0). Obesity was higher among those with a disability and among Black and Hispanic adults and was lowest among Asian adults. (Table 3.5)
* Black and Hispanic/Latine adults were less likely than White adults to report any leisure-time physical activity in the previous month. Adults with a disability were less likely to report leisure-time physical activity in the previous month than were adults without a disability. (Table 3.6)

**Immunization**

* For all vaccinations, prevalence of receiving the vaccine increased with increasing educational attainment and household income (Tables 4.1-4.5)

**Chronic Health Conditions**

* In 2022, 10.5% of adults reported that they had ever been diagnosed with diabetes and an additional 11.4% had been told that they have pre-diabetes. Hispanic/Latine adults were more likely than White adults to report that they were ever diagnosed with diabetes. (Table 5.1)
* Females were more likely than males and LGBT adults were more likely than straight/cisgender adults to report ever being diagnosed with asthma. (Table 5.2)
* Males were more likely than females to report ever being diagnosed with either a myocardial infarction or angina or coronary heart disease. (Table 5.4.1)
* Females were more likely than males, adults with a disability were more likely than adults without a disability, White adults were more likely than Black or Asian adults, and LGBT adults were more likely than straight/cisgender adults to report ever being diagnosed with a depressive disorder. (Table 5.5)
* Females were more likely than males and White adults were more likely than Black or Hispanic/Latine adults to report that they were ever diagnosed with cancer. (Table 5.6)

**Cancer Screening**

* Black, Hispanic/Latine, and Asian adults were less likely than White adults to report having up-to-date colorectal cancer screening. Adults 45-54 years of age were less likely to report having up-to-date colorectal cancer screening than older adults. (Table 6.1)
* Females 21-24 years of age were less likely to report up-to-date cervical cancer screening than older females. Black, Hispanic/Latina, and Asian females were less likely than White females to report having up-to-date cervical cancer screening. (Table 6.3)

**Other Topics – hiv testing, sexual violence, intimate partner violence, suicide, Opioids & marijuana**

* 42.9% of adults ages 18-64 reported that they had ever been tested for HIV and 10.9% had been screened in the previous year. Black and Hispanic/Latine adults were more likely than White or Asian adults, adults with a disability were more likely than adults without a disability, and LGBT adults were more likely than straight/cisgender adults to report being tested for HIV in the previous year. (Table 7.1)
* Overall, 19.7% of females and 9.9% of males reported ever experiencing sexual violence. Adults with a disability were more likely than adults without a disability and LGBT adults were more likely than straight/cisgender adults to report having experienced sexual violence. (Table 7.3)
* Overall, 17.8% of females and 17.1% of males reported ever being the victim of intimate partner violence. Adults with a disability were more likely than adults without a disability and LGBT adults were more likely than straight/cisgender adults to report having experienced intimate partner violence. (Table 7.4)
* Adults with a disability and LGBT adults were more likely than adults without a disability and straight/cisgender adults to report having seriously considered suicide in the previous year. (Table 7.5)
* 36.7% of adults reported that they had ever been prescribed an opioid and 1.3% reported non-medical use on six or more occasions in the past year. White adults were more likely to have ever been prescribed an opioid than were Black, Hispanic/Latine, or Asian adults. (Table 7.7.1)
* 18.8% of adults reported using marijuana or cannabis in the previous month. Younger adults were much more likely than older adults to report use of marijuana or cannabis. Males were more likely than females and LGBT adults were more likely than straight/cisgender adults to report using marijuana or cannabis in the previous month. (Table 7.7.2)

Note: Definitions for disability and LGBT in Terms, Definitions and Statistical Methodology on p. 65

|  |  |  |
| --- | --- | --- |
| Demographic Characteristics of Respondents  Massachusetts Behavioral Risk Factor Surveillance System, 2022 | | |
|  | Unweighted Sample Size | Weighted Percent |
|  | N | %† |
| Overall | 11,029 | 100.0 |
| Sex |  |  |
| male | 5,314 | 48.0 |
| female | 5,715 | 52.0 |
| Age Group |  |  |
| 18–24 | 949 | 12.7 |
| 25–34 | 1,535 | 16.7 |
| 35–44 | 1,563 | 15.6 |
| 45–54 | 1,601 | 14.4 |
| 55–64 | 1,970 | 17.3 |
| 65–74 | 1,867 | 13.7 |
| 75 and older | 1,265 | 9.6 |
| Race-ethnicity\* |  |  |
| white | 7,776 | 67.3 |
| black | 663 | 6.7 |
| hispanic or Latine | 1,447 | 12.2 |
| asian | 540 | 8.2 |
| other & multiracial | 245 | 5.6 |
| Disability¶ |  |  |
| disability | 2,920 | 27.5 |
| no disability | 7,609 | 72.5 |
| Education |  |  |
| < high school | 626 | 9.7 |
| high school | 2,053 | 24.1 |
| college 1–3 yrs | 2,392 | 25.2 |
| college 4+ yrs | 5,880 | 41.0 |
| Household Income |  |  |
| <$25,000 | 988 | 12.0 |
| $25,000–49,999 | 1,710 | 20.4 |
| $50,000–74,999 | 1,239 | 15.1 |
| $75,000–99,999 | 1,079 | 13.4 |
| $100,000+ | 3,076 | 39.2 |
| SOGI\*\* |  |  |
| LGBT | 994 | 10.5 |
| Straight/Cisgender | 8,985 | 89.5 |
| \* White, Black, Asian, and Other/Multi race categories refer to non-Hispanic/non-Latine. Due to small sample sizes, data on American Indian/Alaska Natives and Native Hawaiians/Other Pacific Islanders are included in other/multiracial.  † See BRFSS methodology in “Terms, Definitions and Methodology Used in this Report.”  ¶ See p 65 for the definition of disability  \*\*Sexual Orientation and Gender Identity | | |

Section 1: Overall Health Measures

**Section 1.1: Overall Health Status**

Respondents were asked to describe their overall health as excellent, very good, good, fair, or poor. Presented here are the percentages of adults who reported that their overall health was fair or poor.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Table 1.1 – Overall Health Status Among Massachusetts Adults, 2022 | | | | | |
|  | Fair or Poor Health  N % 95% CI | | | | |
| Overall | 10,987 | 13.8 | 12.8 |  | 14.7 |
| Sex |  |  |  |  |  |
| male | 5,288 | 12.9 | 11.6 | - | 14.2 |
| female | 5,699 | 14.6 | 13.3 | - | 15.9 |
| Age Group |  |  |  |  |  |
| 18–24 | 947 | 10.9 | 8.2 | - | 13.7 |
| 25–34 | 1,530 | 9.8 | 7.8 | - | 11.9 |
| 35–44 | 1,563 | 9.7 | 7.8 | - | 11.6 |
| 45–54 | 1,594 | 13.1 | 10.6 | - | 15.6 |
| 55–64 | 1,958 | 17.2 | 14.9 | - | 19.5 |
| 65–74 | 1,862 | 18.2 | 15.5 | - | 20.9 |
| 75 and older | 1,257 | 21.6 | 17.9 | - | 25.3 |
| Race-ethnicity\* |  |  |  |  |  |
| white | 77,51 | 12.0 | 11.0 | - | 13.0 |
| black | 660 | 14.4 | 10.8 | - | 18.1 |
| hispanic or Latine | 1,439 | 25.1 | 22.0 | - | 28.3 |
| asian | 537 | 8.7 | 4.6 |  | 12.7 |
| other & multiracial | 244 | 18.5 | 12.3 |  | 24.7 |
| Disability¶ |  |  |  |  |  |
| disability | 2,898 | 32.9 | 30.5 | - | 35.3 |
| no disability | 7,593 | 6.4 | 5.6 | - | 7.3 |
| Education |  |  |  |  |  |
| < high school | 621 | 33.4 | 28.6 | - | 38.2 |
| high school | 2,045 | 16.5 | 14.4 | - | 18.6 |
| college 1–3 yrs | 2,386 | 13.4 | 11.7 | - | 15.1 |
| college 4+ yrs | 5,863 | 7.8 | 6.8 | - | 8.9 |
| Household Income |  |  |  |  |  |
| <$25,000 | 983 | 32.5 | 28.3 | - | 36.6 |
| $25,000–49,999 | 1,701 | 21.5 | 18.6 | - | 24.5 |
| $50,000–74,999 | 1,237 | 9.7 | 7.6 | - | 11.9 |
| $75,000–99,999 | 1,077 | 10.8 | 8.0 | - | 13.5 |
| $100,000+ | 3,073 | 5.1 | 4.1 | - | 6.1 |
| SOGI\*\* |  |  |  |  |  |
| LGBT | 989 | 19.2 | 15.6 |  | 22.8 |
| Straight/Cisgender | 8,959 | 13.1 | 12.1 | - | 14.1 |
| \* White, Black, Asian, and Other/Multi race categories refer to non-Hispanic/non-Latine. Due to small sample sizes, data on American Indian/Alaska Natives and Native Hawaiians/Other Pacific Islanders are included in other/multiracial.  † Insufficient Data  ¶ See p 65 for the definition of disability  \*\*Sexual Orientation and Gender Identity | | | | | |

**Section 1.2: Quality of Life**

All respondents were asked to report: (1) the number of days during the past month that their physical health, which includes physical illness and injury, had not been good; and (2) the number of days during the past month they would describe their mental health, which includes stress, depression, and problems with emotions, as not good.

Presented here are the percentages of adults who reported that (1) they had experienced at least 15 days of poor physical health in the previous month; or (2) their mental health was not good for at least 15 days during the past month.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Table 1.2 – Quality of Life Among Massachusetts Adults, 2022 | | | | | | | | | | |
|  | 15+ DAYS OF POOR PHYSICAL HEALTH  N % 95% CI | | | | | 15+ DAYS OF POOR MENTAL HEALTH  N % 95% CI | | | | |
|  |
|  |
| Overall | 10,736 | 9.5 | 8.7 | - | 10.3 | 10,734 | 13.6 | 12.7 | - | 14.5 |
| Sex |  |  |  |  |  |  |  |  |  |  |
| male | 5,183 | 8.8 | 7.7 | - | 9.9 | 5,177 | 11.3 | 10.0 | - | 12.6 |
| female | 5,553 | 10.2 | 9.1 | - | 11.3 | 5,557 | 15.8 | 14.5 | - | 17.1 |
| Age Group |  |  |  |  |  |  |  |  |  |  |
| 18–24 | 926 | 5.0 | 3.2 |  | 6.8 | 930 | 22.4 | 18.8 | - | 25.9 |
| 25–34 | 1,502 | 6.1 | 4.3 | - | 7.8 | 1,499 | 16.8 | 14.4 | - | 19.3 |
| 35–44 | 1,525 | 6.4 | 4.9 | - | 7.9 | 1,528 | 15.3 | 12.9 | - | 17.6 |
| 45–54 | 1,565 | 9.5 | 7.6 | - | 11.5 | 1,559 | 12.8 | 10.7 | - | 15.0 |
| 55–64 | 1,919 | 13.2 | 11.0 | - | 15.3 | 1,924 | 10.0 | 8.2 | - | 11.7 |
| 65–74 | 1,819 | 14.2 | 11.5 | - | 17.0 | 1,824 | 11.6 | 9.0 | - | 14.2 |
| 75 and older | 1,211 | 13.1 | 10.1 | - | 16.2 | 1,212 | 6.1 | 4.1 | - | 8.1 |
| Race-ethnicity\* |  |  |  |  |  |  |  |  |  |  |
| white | 7,622 | 9.6 | 8.7 | - | 10.5 | 7,621 | 13.7 | 12.6 | - | 14.8 |
| black | 643 | 9.1 | 5.6 | - | 12.6 | 646 | 12.9 | 10.0 | - | 15.9 |
| hispanic or Latine | 1,350 | 13.1 | 10.6 | - | 15.7 | 1,344 | 16.6 | 13.9 | - | 19.3 |
| asian | 537 | 5.2 | 2.2 |  | 8.1 | 535 | 6.8 | 4.3 | - | 9.2 |
| other & multiracial | 242 | 10.2 | 5.6 |  | 14.7 | 240 | 19.8 | 13.6 |  | 26.0 |
| Disability¶ |  |  |  |  |  |  |  |  |  |  |
| disability | 2,785 | 24.2 | 22.0 | - | 26.5 | 2,796 | 30.4 | 27.9 | - | 32.8 |
| no disability | 7,478 | 4.1 | 3.4 | - | 4.8 | 7,472 | 7.5 | 6.7 | - | 8.3 |
| Education |  |  |  |  |  |  |  |  |  |  |
| < high school | 561 | 20.8 | 16.2 | - | 25.3 | 550 | 19.5 | 15.1 | - | 23.8 |
| high school | 1,980 | 11.4 | 9.5 | - | 13.3 | 1,978 | 16.6 | 14.4 | - | 18.8 |
| college 1–3 yrs | 2,325 | 10.0 | 8.5 | - | 11.5 | 2,330 | 16.3 | 14.3 | - | 18.3 |
| college 4+ yrs | 5,802 | 5.9 | 5.0 | - | 6.7 | 5,806 | 9.2 | 8.3 | - | 10.1 |
| Household Income |  |  |  |  |  |  |  |  |  |  |
| <$25,000 | 944 | 21.5 | 17.7 | - | 25.3 | 946 | 25.3 | 21.3 | - | 29.3 |
| $25,000–49,999 | 1,659 | 14.2 | 11.7 | - | 16.7 | 1,668 | 18.9 | 16.2 | - | 21.6 |
| $50,000–74,999 | 1,215 | 7.1 | 5.2 | - | 9.1 | 1,226 | 12.5 | 10.0 | - | 15.1 |
| $75,000–99,999 | 1,072 | 6.6 | 4.7 | - | 8.6 | 1,064 | 12.7 | 10.0 | - | 15.3 |
| $100,000+ | 3,052 | 4.8 | 3.7 | - | 5.9 | 3,052 | 8.3 | 7.0 | - | 9.6 |
| SOGI\*\* |  |  |  |  |  |  |  |  |  |  |
| LGBT | 974 | 11.5 | 8.9 | - | 14.1 | 977 | 30.2 | 26.3 | - | 34.1 |
| Straight/Cisgender | 8,795 | 9.4 | 8.5 | - | 10.3 | 8,794 | 11.5 | 10.6 | - | 12.5 |
| \* White, Black, Asian, and Other/Multi race categories refer to non-Hispanic/non-Latine. Due to small sample sizes, data on American Indian/Alaska Natives and Native Hawaiians/Other Pacific Islanders are included in other/multiracial  † Insufficient Data  ¶ See p 65 for the definition of disability  \*\*Sexual Orientation and Gender Identity | | | | | | | | | | |

Section 2: Health Care Access and Utilization

**Section 2.1: Health Insurance Status**

All respondents were asked if they had any type of health care coverage at the time of the interview. Those who indicated that they had no coverage were asked a follow-up question to be certain that they had considered all types of health care coverage. This included health care coverage from their employer or someone else’s employer, a plan that they had bought on their own, Medicare, MassHealth, Commonwealth Care, and coverage through the military, or the Indian Health Service. CDC estimates of uninsured adults, based solely upon the CDC core health insurance question, may differ from estimates derived from the Massachusetts BRFSS estimates, which were based on the CDC core health insurance question and the Massachusetts follow-up question. Table 2.1 presents the Massachusetts BRFSS data.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Table 2.1 –Health Insurance Status Among Massachusetts Adults,  Ages 18-64, 2022 | | | | | |
|  | No Health Insurance  N % 95% CI | | | | |
| Overall | 7,319 | 2.7 | 2.2 | -  - | 3.2 |
| Sex |  |  |  |  |  |
| male | 3,594 | 3.7 | 2.8 | - | 4.5 |
| female | 3,725 | 1.8 | 1.3 | - | 2.4 |
| Age Group |  |  |  |  |  |
| 18–24 | 822 | 2.6 | 1.4 | - | 3.9 |
| 25–34 | 1,478 | 4.6 | 3.1 | - | 6.1 |
| 35–44 | 1,528 | 3.2 | 2.0 | - | 4.4 |
| 45–54 | 1,569 | 2.5 | 1.3 | - | 3.7 |
| 55–64 | 1,922 | 0.8 | 0.4 |  | 1.1 |
| Race-ethnicity\* |  |  |  |  |  |
| white | 4,776 | 1.7 | 1.1 | - | 2.2 |
| black | 510 | 4.2 | 2.0 |  | 6.5 |
| hispanic or Latine | 1,209 | 7.4 | 5.3 | - | 9.6 |
| asian | † |  |  |  |  |
| other & multiracial | † |  |  |  |  |
| Disability¶ |  |  |  |  |  |
| disability | 1,591 | 3.0 | 1.8 | - | 4.1 |
| no disability | 5,394 | 2.7 | 2.1 | - | 3.2 |
| Education |  |  |  |  |  |
| < high school | 406 | 7.9 | 4.7 | - | 11.0 |
| high school | 1,324 | 3.8 | 2.6 | - | 5.1 |
| college 1–3 yrs | 1,559 | 2.4 | 1.5 | - | 3.4 |
| college 4+ yrs | 4,000 | 1.2 | 0.7 | - | 1.6 |
| Household Income |  |  |  |  |  |
| <$25,000 | 618 | 5.8 | 3.1 | - | 8.4 |
| $25,000–49,999 | 1,036 | 5.0 | 3.1 |  | 7.0 |
| $50,000–74,999 | 787 | 1.3 | 0.6 | - | 2.1 |
| $75,000–99,999 | † |  |  |  |  |
| $100,000+ | 2,456 | 1.1 | 0.5 | - | 1.6 |
| SOGI\*\* |  |  |  |  |  |
| LGBT | 816 | 1.9 | 0.8 |  | 3.0 |
| Straight/Cisgender | 5,806 | 2.5 | 2.0 | - | 3.1 |
| \* White, Black, Asian, and Other/Multi race categories refer to non-Hispanic/non-Latine. Due to small sample sizes, data on American Indian/Alaska Natives and Native Hawaiians/Other Pacific Islanders are included in other/multiracial  † Insufficient Data  ¶ See p 65 for the definition of disability  \*\*Sexual Orientation and Gender Identity | | | | | |

## **Section 2.2: Health Care Access**

All respondents were asked if they had a person that they thought of as their personal doctor or health care provider. All respondents were also asked whether they were unable to see a doctor at any time in the past year due to cost and about how long since they last visited a doctor for a routine checkup. Presented here are the percentages of adults who reported that they did not have a personal health care provider, the percentages of adults who reported that cost had prevented them from seeing a doctor at some point in the past year, and the percentage of adults who had visited a medical provider for a checkup in the past year.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Table 2.2 – Health Care Access Among Massachusetts **Adults,** 2022 | | | | | | | | | | |
|  | Have Personal Health Care Provider  N % 95% CI | | | | | Could Not See Doctor Due to Cost  N % 95% CI | | | | |
|  |
|  |
| Overall | 10,917 | 91.4 | 90.6 | - | 92.1 | 10,975 | 7.1 | 6.3 | - | 7.8 |
| Sex |  |  |  |  |  |  |  |  |  |  |
| male | 5,247 | 89.3 | 88.2 | - | 90.4 | 5,281 | 7.2 | 6.1 | - | 8.2 |
| female | 5,670 | 93.3 | 92.3 | - | 94.3 | 5,694 | 7.0 | 6.0 | - | 7.9 |
| Age Group |  |  |  |  |  |  |  |  |  |  |
| 18–24 | 929 | 84.1 | 81.2 | - | 87.1 | 944 | 10.2 | 7.5 | - | 13.0 |
| 25–34 | 1,511 | 80.7 | 78.1 | - | 83.3 | 1,525 | 11.8 | 9.3 | - | 14.3 |
| 35–44 | 1,544 | 90.9 | 89.0 | - | 92.7 | 1,552 | 9.3 | 7.4 | - | 11.2 |
| 45–54 | 1,587 | 93.8 | 92.3 | - | 95.4 | 1,597 | 7.3 | 5.8 | - | 8.8 |
| 55–64 | 1,964 | 97.0 | 95.9 | - | 98.1 | 1,961 | 5.0 | 3.6 | - | 6.5 |
| 65–74 | 1,854 | 96.5 | 95.1 | - | 97.9 | 1,858 | 2.8 | 1.5 | - | 4.1 |
| 75 and older | 1,255 | 98.4 | 97.7 | - | 99.1 | † |  |  |  |  |
| Race-ethnicity\* |  |  |  |  |  |  |  |  |  |  |
| white | 7,724 | 94.5 | 93.8 | - | 95.2 | 7,755 | 5.9 | 5.1 | - | 6.7 |
| black | 654 | 89.6 | 86.6 | - | 92.6 | 658 | 6.6 | 4.6 | - | 8.7 |
| hispanic or Latine | 1,425 | 77.8 | 74.7 | - | 80.9 | 1,432 | 13.4 | 11.0 | - | 15.7 |
| asian | 519 | 87.5 | 84.7 | - | 90.4 | 538 | 5.6 | 2.4 | - | 8.9 |
| other & multiracial | 244 | 89.7 | 84.9 |  | 94.6 | 242 | 10.2 | 5.2 |  | 15.1 |
| Disability¶ |  |  |  |  |  |  |  |  |  |  |
| disability | 2,887 | 92.5 | 91.2 | - | 93.8 | 2,904 | 12.0 | 10.3 | - | 13.8 |
| no disability | 7,536 | 91.2 | 90.3 | - | 92.1 | 7,583 | 5.1 | 4.3 | - | 5.9 |
| Education |  |  |  |  |  |  |  |  |  |  |
| < high school | 618 | 78.2 | 74.0 | - | 82.5 | 618 | 14.9 | 11.5 | - | 18.3 |
| high school | 2,027 | 90.0 | 88.3 | - | 91.6 | 2,041 | 8.9 | 7.0 | - | 10.7 |
| college 1–3 yrs | 2,358 | 93.4 | 92.1 | - | 94.8 | 2,384 | 7.7 | 6.1 | - | 9.2 |
| college 4+ yrs | 5,840 | 94.1 | 93.4 | - | 94.9 | 5,856 | 3.8 | 3.2 | - | 4.4 |
| Household Income |  |  |  |  |  |  |  |  |  |  |
| <$25,000 | 977 | 86.3 | 83.5 | - | 89.2 | 977 | 15.9 | 12.3 | - | 19.6 |
| $25,000–49,999 | 1,690 | 89.7 | 87.5 | - | 91.8 | 1,702 | 12.9 | 10.3 | - | 15.5 |
| $50,000–74,999 | 1,229 | 91.7 | 89.3 | - | 94.2 | 1,238 | 7.8 | 5.5 | - | 10.1 |
| $75,000–99,999 | 1,073 | 95.1 | 93.5 | - | 96.7 | 1,076 | 6.3 | 4.3 | - | 8.4 |
| $100,000+ | 3,065 | 95.1 | 94.1 | - | 96.1 | 3,071 | 2.7 | 1.9 | - | 3.6 |
| SOGI\*\* |  |  |  |  |  |  |  |  |  |  |
| LGBT | 981 | 90.1 | 87.8 | - | 92.5 | 989 | 15.0 | 11.8 | - | 18.2 |
| Straight/Cisgender | 8,904 | 92.6 | 91.8 | - | 93.4 | 8,948 | 5.9 | 5.2 | - | 6.7 |
| \* White, Black, Asian, and Other/Multi race categories refer to non-Hispanic/non-Latine. Due to small sample sizes, data on American Indian/Alaska Natives and Native Hawaiians/Other Pacific Islanders are included in other/multiracial  † Insufficient Data  ¶ See p 65 for the definition of disability  \*\*Sexual Orientation and Gender Identity | | | | | | | | | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Table 2.2 (Continued) - Health Care Access Among Massachusetts Adults, 2022 | | | | | |
|  | Had a Routine Checkup in the Past Year  N % 95% CI | | | | |
| Overall | 10,875 | 81.0 | 79.9 | - | 82.0 |
| Sex |  |  |  |  |  |
| male | 5,230 | 77.7 | 76.1 | - | 79.3 |
| female | 5,645 | 84.0 | 82.7 | - | 85.3 |
| Age Group |  |  |  |  |  |
| 18–24 | 928 | 76.0 | 72.4 | - | 79.6 |
| 25–34 | 1,503 | 67.8 | 64.7 | - | 70.8 |
| 35–44 | 1,539 | 74.5 | 71.6 | - | 77.4 |
| 45–54 | 1,589 | 79.8 | 77.0 | - | 82.7 |
| 55–64 | 1,949 | 87.9 | 86.0 | - | 89.8 |
| 65–74 | 1,851 | 91.0 | 89.2 | - | 92.8 |
| 75 and older | 1,250 | 93.8 | 91.2 | - | 96.4 |
| Race-ethnicity\* |  |  |  |  |  |
| white | 7,709 | 82.3 | 81.2 | - | 83.5 |
| black | 649 | 82.6 | 78.4 | - | 86.8 |
| hispanic or Latine | 1,408 | 79.3 | 76.5 | - | 82.2 |
| asian | 525 | 75.2 | 70.4 | - | 79.9 |
| other & multiracial | 238 | 77.1 | 70.6 |  | 83.6 |
| Disability¶ |  |  |  |  |  |
| disability | 2,870 | 83.3 | 81.3 |  | 85.2 |
| no disability | 7,522 | 79.8 | 78.6 |  | 81.1 |
| Education |  |  |  |  |  |
| < high school | 603 | 76.8 | 72.2 | - | 81.5 |
| high school | 2,009 | 81.3 | 79.0 | - | 83.6 |
| college 1–3 yrs | 2,371 | 81.0 | 79.0 | - | 83.1 |
| college 4+ yrs | 5,824 | 81.6 | 80.3 | - | 82.9 |
| Household Income |  |  |  |  |  |
| <$25,000 | 967 | 78.8 | 75.1 | - | 82.4 |
| $25,000–49,999 | 1,688 | 79.8 | 76.8 | - | 82.8 |
| $50,000–74,999 | 1,226 | 80.4 | 77.3 | - | 83.4 |
| $75,000–99,999 | 1,071 | 83.1 | 80.2 | - | 86.0 |
| $100,000+ | 3,060 | 81.3 | 79.5 | - | 83.1 |
| SOGI\*\* |  |  |  |  |  |
| LGBT | 980 | 76.8 | 73.2 | - | 80.4 |
| Straight/Cisgender | 8,875 | 81.9 | 80.7 | - | 83.0 |
| \* White, Black, Asian, and Other/Multi race categories refer to non-Hispanic/non-Latine. Due to small sample sizes, data on American Indian/Alaska Natives and Native Hawaiians/Other Pacific Islanders are included in other/multiracial  † Insufficient Data  ¶ See p 65 for the definition of disability  \*\*Sexual Orientation and Gender Identity | | | | | |

**Section 2.3: Oral Health**

All respondents were asked how long it had been since they had last visited a dentist or a dental clinic. Presented here is the percentage reporting that they had been to a dentist or a dental clinic within the past year. The wording of the question did not differentiate between a routine cleaning and other types of dental work. All respondents were also asked how many of their teeth were missing due to decay or gum disease only. The number of teeth missing due to injury or orthodontic purposes is not included. Presented here is the percentage of adults with six or more teeth missing due to decay.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Table 2.3 – Dental Health Care Among Massachusetts Adults**,** 2022 | | | | | | | | | | |
|  | Dental Visit in Past Year  N % 95% CI | | | | | Six or More Teeth Missing  N % 95% CI | | | | |
|  |
|  |
| Overall | 10,825 | 73.2 | 72.0 | - | 74.3 | 10,757 | 10.9 | 10.1 | - | 11.7 |
| Sex |  |  |  |  |  |  |  |  |  |  |
| male | 5,202 | 69.2 | 67.4 | - | 70.9 | 5,181 | 10.6 | 9.5 | - | 11.8 |
| female | 5,623 | 76.9 | 75.3 | - | 78.4 | 5,576 | 11.2 | 10.1 | - | 12.3 |
| Age Group |  |  |  |  |  |  |  |  |  |  |
| 18–24 | 923 | 74.1 | 70.6 | - | 77.6 | † |  |  |  |  |
| 25–34 | 1,508 | 64.3 | 61.0 | - | 67.5 | 1,517 | 2.7 | 1.6 | - | 3.8 |
| 35–44 | 1,537 | 71.3 | 68.3 | - | 74.3 | 1,542 | 5.3 | 3.7 | - | 6.8 |
| 45–54 | 1577 | 75.5 | 72.8 | - | 78.2 | 1,574 | 6.7 | 5.1 | - | 8.2 |
| 55–64 | 1,948 | 77.4 | 74.7 | - | 80.0 | 1,934 | 14.4 | 12.3 | - | 16.5 |
| 65–74 | 1,829 | 75.5 | 72.5 | - | 78.6 | 1,796 | 23.8 | 21.0 | - | 26.7 |
| 75 and older | 1,230 | 74.0 | 70.1 | - | 78.0 | 1,195 | 33.8 | 29.7 | - | 37.9 |
| Race-ethnicity\* |  |  |  |  |  |  |  |  |  |  |
| white | 7,662 | 76.0 | 74.7 | - | 77.3 | 7,594 | 11.5 | 10.6 | - | 12.4 |
| black | 644 | 66.9 | 61.8 | - | 72.0 | 645 | 12.3 | 9.2 | - | 15.5 |
| hispanic or Latine | 1,412 | 65.9 | 62.5 | - | 69.2 | 1,403 | 10.8 | 8.5 | - | 13.1 |
| asian | 520 | 72.0 | 67.1 | - | 76.8 | † |  |  |  |  |
| other & multiracial | 241 | 65.6 | 58.2 |  | 73.1 | 242 | 13.3 | 8.1 |  | 18.4 |
| Disability¶ |  |  |  |  |  |  |  |  |  |  |
| disability | 2,844 | 65.0 | 62.5 | - | 67.5 | 2,809 | 21.6 | 19.6 | - | 23.7 |
| no disability | 7,500 | 76.3 | 75.0 | - | 77.7 | 7,478 | 7.0 | 6.2 | - | 7.8 |
| Education |  |  |  |  |  |  |  |  |  |  |
| < high school | 602 | 55.6 | 50.3 | - | 60.9 | 598 | 24.3 | 19.9 | - | 28.8 |
| high school | 1,988 | 64.5 | 61.6 | - | 67.4 | 1,976 | 15.1 | 13.3 | - | 17.0 |
| college 1–3 yrs | 2,346 | 73.9 | 71.6 | - | 76.1 | 2,335 | 11.7 | 10.2 | - | 13.3 |
| college 4+ yrs | 5,821 | 81.8 | 80.6 | - | 83.0 | 5,781 | 5.1 | 4.4 | - | 5.8 |
| Household Income |  |  |  |  |  |  |  |  |  |  |
| Household Income | 961 | 55.7 | 51.3 | - | 60.2 | 948 | 22.7 | 19.2 | - | 26.3 |
| <$25,000 | 1,669 | 62.3 | 59.0 | - | 65.5 | 1,651 | 19.3 | 16.6 | - | 22.0 |
| $25,000–49,999 | 1,226 | 69.8 | 66.1 | - | 73.4 | 1,216 | 11.7 | 9.2 | - | 14.1 |
| $50,000–74,999 | 1,069 | 76.1 | 72.6 | - | 79.7 | 1,067 | 7.8 | 5.9 | - | 9.6 |
| $75,000–99,999 | 3,061 | 83.5 | 81.7 | - | 85.2 | 3,045 | 4.6 | 3.6 | - | 5.7 |
| SOGI\*\* |  |  |  |  |  |  |  |  |  |  |
| LGBT | 981 | 68.2 | 64.3 | - | 72.1 | 969 | 8.5 | 6.2 | - | 10.9 |
| Straight/Cisgender | 8,830 | 74.2 | 72.9 | - | 75.5 | 8,781 | 11.5 | 10.6 | - | 12.3 |
| \* White, Black, Asian, and Other/Multi race categories refer to non-Hispanic/non-Latine. Due to small sample sizes, data on American Indian/Alaska Natives and Native Hawaiians/Other Pacific Islanders are included in other/multiracial  † Insufficient Data  ¶ See p 65 for the definition of disability  \*\*Sexual Orientation and Gender Identity | | | | | | | | | | |

Section 3: Risk Factors and Preventive Behaviors

**Section 3.1: Tobacco Use**

A current smoker was defined as someone who has smoked at least 100 cigarettes in their lifetime and who currently smokes either some days or every day. A former smoker was defined as someone who has smoked at least 100 cigarettes in their lifetime but no longer smokes. Presented here are the percentage of adults who reported being current smokers and the percentage of adults who reported being former smokers.

Respondents were asked if they currently use chewing tobacco, snuff, or snus (Swedish for snuff) every day, some days, or not at all. Presented is the percentage of adults who reported using chewing tobacco, snuff, or snus either every day or some days.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Table 3.1.1 – Tobacco Use Among Massachusetts Adults**,** 2022 | | | | | | | | | | |
|  | Current Smoker  N % 95% CI | | | | | Former Smoker  N % 95% CI | | | | |
|  |
|  |
| Overall | 10,389 | 10.4 | 9.5 | - | 11.3 | 10,389 | 23.1 | 22.0 | - | 24.2 |
| Sex |  |  |  |  |  |  |  |  |  |  |
| male | 5,012 | 11.6 | 10.3 | - | 13.0 | 5,012 | 24.2 | 22.5 | - | 25.8 |
| female | 5,377 | 9.2 | 8.1 | - | 10.4 | 5,377 | 22.1 | 20.6 | - | 23.5 |
| Age Group |  |  |  |  |  |  |  |  |  |  |
| 18–24 | 898 | 6.2 | 4.0 | - | 8.5 | 898 | 5.4 | 3.6 | - | 7.2 |
| 25–34 | 1,436 | 11.4 | 8.8 | - | 14.0 | 1,436 | 13.0 | 10.7 | - | 15.2 |
| 35–44 | 1,466 | 14.1 | 11.7 | - | 16.5 | 1,466 | 21.5 | 18.5 | - | 24.4 |
| 45–54 | 1,500 | 12.6 | 10.3 | - | 15.0 | 1,500 | 21.4 | 18.5 | - | 24.4 |
| 55–64 | 1,861 | 11.0 | 8.8 | - | 13.2 | 1,861 | 28.8 | 26.0 | - | 31.5 |
| 65–74 | 1,793 | 11.1 | 8.8 | - | 13.4 | 1,793 | 35.7 | 32.6 | - | 38.9 |
| 75 and older | 1,207 | 3.9 | 2.0 | - | 5.7 | 1,207 | 41.9 | 37.7 | - | 46.1 |
| Race-ethnicity\* |  |  |  |  |  |  |  |  |  |  |
| white | 7,380 | 10.4 | 9.4 | - | 11.4 | 7,380 | 27.2 | 25.8 | - | 28.5 |
| black | 612 | 9.6 | 6.2 | - | 12.9 | 612 | 15.3 | 11.1 | - | 19.5 |
| hispanic or Latine | 1,361 | 8.4 | 6.2 | - | 10.5 | 1,361 | 14.8 | 12.1 | - | 17.5 |
| asian | 486 | 5.1 | 2.6 | - | 7.6 | 486 | 11.0 | 6.7 | - | 15.2 |
| other & multiracial | 233 | 22.1 | 15.2 |  | 29.0 | 233 | 20.2 | 13.4 |  | 27.0 |
| Disability¶ |  |  |  |  |  |  | 30.3 | 28.0 |  | 32.7 |
| disability | 2,848 | 16.2 | 14.1 | - | 18.2 | 2,848 | 20.5 | 19.2 | - | 21.7 |
| no disability | 7,445 | 8.1 | 7.2 | - | 9.1 | 7,445 |  |  | - |  |
| Education |  |  |  |  |  |  | 18.9 | 14.5 |  | 23.3 |
| < high school | 579 | 20.4 | 16.0 | - | 24.8 | 579 | 25.0 | 22.5 | - | 27.5 |
| high school | 1,934 | 14.9 | 12.7 | - | 17.1 | 1,934 | 26.9 | 24.6 | - | 29.3 |
| college 1–3 yrs | 2,266 | 12.7 | 10.8 | - | 14.6 | 2,266 | 20.8 | 19.4 | - | 22.2 |
| college 4+ yrs | 5,557 | 4.1 | 3.3 | - | 4.8 | 5,557 |  |  | - |  |
| Household Income |  |  |  |  |  |  | 24.4 | 20.6 |  | 28.3 |
| <$25,000 | 958 | 19.7 | 16.1 | - | 23.3 | 958 | 24.5 | 21.6 | - | 27.4 |
| $25,000–49,999 | 1,652 | 15.9 | 13.2 | - | 18.5 | 1,652 | 26.8 | 23.3 | - | 30.2 |
| $50,000–74,999 | 1,200 | 12.2 | 9.5 | - | 14.8 | 1,200 | 25.7 | 22.4 | - | 29.0 |
| $75,000–99,999 | 1,053 | 9.8 | 7.0 | - | 12.6 | 1,053 | 23.1 | 21.1 | - | 25.0 |
| $100,000+ | 3,000 | 5.3 | 4.1 | - | 6.5 | 3,000 |  |  | - |  |
| SOGI\*\* |  |  |  |  |  |  | 21.3 | 17.9 |  | 24.7 |
| LGBT | 946 | 11.4 | 8.8 | - | 14.0 | 946 | 24.2 | 23.0 | - | 25.4 |
| Straight/Cisgender | 8,505 | 10.3 | 9.3 | - | 11.2 | 8,505 | 23.1 | 22.0 | - | 24.2 |
| \* White, Black, Asian, and Other/Multi race categories refer to non-Hispanic/non-Latine. Due to small sample sizes, data on American Indian/Alaska Natives and Native Hawaiians/Other Pacific Islanders are included in other/multiracial  † Insufficient Data  ¶ See p 65 for the definition of disability  \*\*Sexual Orientation and Gender Identity | | | | | | | | | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Table 3.1.2 - Smokeless Tobacco Use Among Massachusetts Adults, 2022 | | | | | |
|  | Use Smokeless tobacco  N % 95% CI | | | | |
| Overall | 10,453 | 2.1 | 1.7 | - | 2.6 |
| Sex |  |  |  |  |  |
| male | 5,046 | 3.2 | 2.4 | - | 4.0 |
| female | 5,407 | 1.2 | 0.7 | - | 1.7 |
| Age Group |  |  |  |  |  |
| 18–24 | 901 | 4.1 | 2.0 | - | 6.2 |
| 25–34 | 1,441 | 3.2 | 1.8 | - | 4.7 |
| 35–44 | 1,477 | 1.9 | 1.1 | - | 2.6 |
| 45–54 | 1,509 | 1.7 | 0.9 | - | 2.5 |
| 55–64 | † |  |  |  |  |
| 65–74 | † |  |  |  |  |
| 75 and older | † |  |  |  |  |
| Race-ethnicity\* |  |  |  |  |  |
| white | 7,432 | 1.8 | 1.3 | - | 2.3 |
| black | † |  |  |  |  |
| hispanic or Latine | 1,361 | 2.4 | 1.4 | - | 3.4 |
| asian | † |  |  |  |  |
| other & multiracial | † |  |  |  |  |
| Disability¶ |  |  |  |  |  |
| disability | 2,864 | 3.1 | 1.8 | - | 4.4 |
| no disability | 7,493 | 1.8 | 1.4 | - | 2.2 |
| Education |  |  |  |  |  |
| < high school | 578 | 6.7 | 3.1 | - | 10.3 |
| high school | 1,941 | 2.1 | 1.4 | - | 2.8 |
| college 1–3 yrs | 2,279 | 1.8 | 1.1 | - | 2.5 |
| college 4+ yrs | 5,598 | 1.4 | 0.9 | - | 1.8 |
| Household Income |  |  |  |  |  |
| <$25,000 | † |  |  |  |  |
| $25,000–49,999 | 1,668 | 3.0 | 1.5 | - | 4.4 |
| $50,000–74,999 | † |  |  |  |  |
| $75,000–99,999 | 1,060 | 1.6 | 0.7 | - | 2.5 |
| $100,000+ | 3,016 | 1.6 | 1.0 | - | 2.3 |
| SOGI\*\* |  |  |  |  |  |
| LGBT | 951 | 3.6 | 2.0 | - | 5.3 |
| Straight/Cisgender | 8,577 | 2.0 | 1.5 | - | 2.5 |
| \* White, Black, Asian, and Other/Multi race categories refer to non-Hispanic/non-Latine. Due to small sample sizes, data on American Indian/Alaska Natives and Native Hawaiians/Other Pacific Islanders are included in other/multiracial  † Insufficient Data  ¶ See p 65 for the definition of disability  \*\*Sexual Orientation and Gender Identity | | | | | |

Respondents were asked if they ever tried electronic vapor products, and if so, if they currently use electronic vapor products every day, some days, or not at all. Presented is the percentage of adults who reported using electronic vapor products either every day or some days.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Table 3.1.3 – Electronic Vapor Product Use Among Massachusetts Adults, 2022 | | | | | |
|  | Use E-Cigarettes  N % 95% CI | | | | |
| Overall | 10,359 | 5.6 | 4.9 | - | 6.2 |
| Sex |  |  |  |  |  |
| male | 5,002 | 7.0 | 5.9 | - | 8.1 |
| female | 5,357 | 4.3 | 3.6 | - | 5.0 |
| Age Group |  |  |  |  |  |
| 18–24 | 891 | 16.3 | 13.0 | - | 19.6 |
| 25–34 | 1,421 | 9.6 | 7.6 | - | 11.7 |
| 35–44 | 1,467 | 6.7 | 5.1 |  | 8.4 |
| 45–54 | 1,495 | 3.0 | 2.0 |  | 4.1 |
| 55–64 | 1,853 | 1.7 | 0.8 |  | 2.5 |
| 65–74 | 1,789 | 1.6 | 0.9 |  | 2.3 |
| 75 and older | † |  |  |  |  |
| Race-ethnicity\* |  |  |  |  |  |
| white | 7,388 | 5.6 | 4.8 | - | 6.4 |
| black | 616 | 5.4 | 2.7 |  | 8.0 |
| hispanic or Latine | 1,326 | 6.2 | 4.5 |  | 7.8 |
| asian | 484 | 4.6 | 2.6 |  | 6.5 |
| other & multiracial | 231 | 6.6 | 3.2 |  | 10.0 |
| Disability¶ |  |  |  |  |  |
| disability | 2,832 | 8.4 | 6.8 | - | 10.0 |
| no disability | 7,433 | 4.5 | 3.8 | - | 5.1 |
| Education |  |  |  |  |  |
| < high school | 551 | 9.0 | 5.5 |  | 12.4 |
| high school | 1,928 | 8.6 | 6.9 | - | 10.3 |
| college 1–3 yrs | 2,256 | 5.9 | 4.7 | - | 7.2 |
| college 4+ yrs | 5,572 | 2.9 | 2.3 | - | 3.4 |
| Household Income |  |  |  |  |  |
| <$25,000 | 959 | 7.3 | 4.9 |  | 9.6 |
| $25,000–49,999 | 1,660 | 7.2 | 5.7 |  | 8.7 |
| $50,000–74,999 | 1,200 | 5.3 | 3.5 |  | 7.1 |
| $75,000–99,999 | 1,050 | 6.0 | 3.8 |  | 8.1 |
| $100,000+ | 3,001 | 4.5 | 3.4 | - | 5.6 |
| SOGI\*\* |  |  |  |  |  |
| LGBT | 945 | 10.0 | 7.7 |  | 12.4 |
| Straight/Cisgender | 8,528 | 5.1 | 4.3 | - | 5.8 |
| \* White, Black, Asian, and Other/Multi race categories refer to non-Hispanic/non-Latine. Due to small sample sizes, data on American Indian/Alaska Natives and Native Hawaiians/Other Pacific Islanders are included in other/multiracial  † Insufficient Data  ¶ See p 65 for the definition of disability  \*\*Sexual Orientation and Gender Identity | | | | | |

## **Section 3.2: Smoking Cessation**

Respondents who were current smokers were asked if they had stopped smoking for one day or longer in the past 12 months because they were trying to quit smoking. They were also asked if they had any intention of trying to quit smoking within the next 30 days. Presented here is the percentage of adult current smokers who reported that they had attempted to quit smoking for one day or longer in the past 12 months and the percentage of adult current smokers who reported that they had plans to quit smoking within the next 30 days.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Table 3.2 – Smoking Cessation among Massachusetts Adults, 2022 | | | | | |
|  | Quit Attempt  N % 95% CI | | | | |
| Overall | 905 | 52.1 | 47.4 | - | 56.7 |
| Sex |  |  |  |  |  |
| male | 475 | 50.5 | 44.0 | - | 57.0 |
| female | 430 | 53.9 | 47.3 | - | 60.5 |
| Age Group |  |  |  |  |  |
| 18–24 | † |  |  |  |  |
| 25–34 | 103 | 54.6 | 41.9 | - | 67.3 |
| 35–44 | 181 | 59.6 | 50.3 | - | 68.9 |
| 45–54 | 178 | 48.4 | 38.5 | - | 58.4 |
| 55–64 | 179 | 50.0 | 39.2 | - | 60.9 |
| 65–74 | 178 | 50.0 | 38.6 | - | 61.4 |
| 75 and older | † |  |  |  |  |
| Race-ethnicity\* |  |  |  |  |  |
| white | 652 | 51.4 | 46.0 | - | 56.8 |
| black | 52 | 56.7 | 37.1 | - | 76.3 |
| hispanic or Latine | 104 | 64.9 | 52.6 | - | 77.2 |
| asian | † |  |  |  |  |
| other & multiracial | † |  |  |  |  |
| Disability¶ |  |  |  |  |  |
| disability | 404 | 53.0 | 46.0 | - | 60.1 |
| no disability | 493 | 52.3 | 46.1 | - | 58.6 |
| Education |  |  |  |  |  |
| < high school | 106 | 41.6 | 29.4 | - | 53.9 |
| high school | 303 | 55.1 | 47.2 | - | 63.0 |
| college 1–3 yrs | 284 | 56.7 | 48.6 | - | 64.8 |
| college 4+ yrs | 207 | 48.6 | 39.4 | - | 57.7 |
| Household Income |  |  |  |  |  |
| <$25,000 | 164 | 49.6 | 38.9 | - | 60.3 |
| $25,000–49,999 | 218 | 51.1 | 41.8 | - | 60.4 |
| $50,000–74,999 | 126 | 44.2 | 32.3 | - | 56.0 |
| $75,000–99,999 | 78 | 48.5 | 33.1 | - | 64.0 |
| $100,000+ | 124 | 49.6 | 38.5 | - | 60.7 |
| SOGI\*\* |  |  |  |  |  |
| LGBT | 104 | 53.7 | 41.5 | - | 66.0 |
| Straight/Cisgender | 776 | 52.0 | 46.9 | - | 57.0 |
| \* White, Black, Asian, and Other/Multi race categories refer to non-Hispanic/non-Latine. Due to small sample sizes, data on American Indian/Alaska Natives and Native Hawaiians/Other Pacific Islanders are included in other/multiracial  † Insufficient Data  ¶ See p 65 for the definition of disability  \*\*Sexual Orientation and Gender Identity | | | | | |

## **Section 3.3: Alcohol Use**

All respondents were asked about their consumption of alcohol in the past month. A drink of alcohol was defined as a twelve ounce can or bottle of beer, one five-ounce glass of wine, or one drink with one shot of liquor. Binge drinking was defined as consumption of five or more drinks for men or four or more drinks for women, on any one occasion in the past month. Heavy drinking was defined as consumption of more than 14 drinks/week in the past month for men and consumption of more than 7 drinks/week in the past month for women. Presented here are the percentage of adults who reported binge drinking and the percentage of adults who reported heavy drinking.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Table 3.3 – Alcohol Use Among Massachusetts Adults**,** 2022 | | | | | | | | | | |
|  | Binge Drinking  N % 95% CI | | | | | Heavy Drinking  N % 95% CI | | | | |
|  |
|  |
| Overall | 9,944 | 17.2 | 16.2 | - | 18.2 | 9,938 | 6.7 | 6.0 | - | 7.3 |
| Sex |  |  |  |  |  |  |  |  |  |  |
| male | 4,773 | 20.8 | 19.2 | - | 22.4 | 4,763 | 5.7 | 4.7 | - | 6.6 |
| female | 5,171 | 14.0 | 12.7 | - | 15.2 | 5,175 | 7.6 | 6.7 | - | 8.5 |
| Age Group |  |  |  |  |  |  |  |  |  |  |
| 18–24 | 861 | 24.4 | 20.7 | - | 28.0 | 857 | 8.3 | 5.8 | - | 10.8 |
| 25–34 | 1,374 | 29.8 | 26.6 | - | 33.0 | 1,370 | 8.0 | 6.0 | - | 9.9 |
| 35–44 | 1,400 | 21.3 | 18.5 | - | 24.0 | 1,393 | 7.4 | 5.5 | - | 9.2 |
| 45–54 | 1,425 | 18.6 | 15.9 | - | 21.2 | 1,429 | 7.9 | 6.2 | - | 9.6 |
| 55–64 | 1,786 | 12.6 | 10.6 | - | 14.5 | 1,789 | 6.0 | 4.7 | - | 7.3 |
| 65–74 | 1,730 | 6.9 | 5.6 | - | 8.2 | 1,731 | 6.2 | 4.9 | - | 7.5 |
| 75 and older | 1,166 | 3.5 | 1.7 | - | 5.4 | 1,165 | 2.4 | 1.5 | - | 3.4 |
| Race-ethnicity\* |  |  |  |  |  |  |  |  |  |  |
| white | 7,121 | 17.7 | 16.5 | - | 18.9 | 7,139 | 8.0 | 7.2 | - | 8.9 |
| black | 583 | 14.8 | 11.3 | - | 18.3 | 584 | 3.6 | 2.0 | - | 5.2 |
| hispanic or Latine | 1,265 | 21.8 | 18.7 | - | 25.0 | 1,244 | 5.1 | 3.3 | - | 6.8 |
| asian | 464 | 8.9 | 5.7 | - | 12.2 | † |  |  |  |  |
| other & multiracial | 221 | 17.7 | 11.4 |  | 24.0 | † |  |  |  |  |
| Disability¶ |  |  |  |  |  |  |  |  |  |  |
| disability | 2,727 | 13.8 | 12.1 | - | 15.6 | 2,720 | 6.4 | 5.1 | - | 7.7 |
| no disability | 7,127 | 18.4 | 17.1 | - | 19.6 | 7,131 | 6.7 | 6.0 | - | 7.5 |
| Education |  |  |  |  |  |  |  |  |  |  |
| < high school | 515 | 22.4 | 17.6 | - | 27.3 | 510 | 8.8 | 5.4 | - | 12.2 |
| high school | 1,830 | 15.1 | 12.9 | - | 17.3 | 1,825 | 5.8 | 4.4 | - | 7.2 |
| college 1–3 yrs | 2,182 | 17.2 | 15.2 | - | 19.2 | 2,183 | 7.0 | 5.7 | - | 8.3 |
| college 4+ yrs | 5,378 | 17.4 | 16.1 | - | 18.6 | 5,382 | 6.5 | 5.7 | - | 7.3 |
| Household Income |  |  |  |  |  |  |  |  |  |  |
| <$25,000 | 906 | 11.7 | 9.0 | - | 14.3 | 897 | 5.8 | 4.0 | - | 7.5 |
| $25,000–49,999 | 1,592 | 13.0 | 10.7 | - | 15.3 | 1,587 | 6.3 | 4.6 | - | 8.0 |
| $50,000–74,999 | 1,160 | 19.2 | 16.1 | - | 22.3 | 1,160 | 7.5 | 5.6 | - | 9.4 |
| $75,000–99,999 | 1,030 | 17.1 | 14.3 | - | 19.9 | 1,032 | 8.2 | 6.0 | - | 10.5 |
| $100,000+ | 2,920 | 20.7 | 18.8 | - | 22.6 | 2,931 | 7.6 | 6.4 | - | 8.8 |
| SOGI\*\* |  |  |  |  |  |  |  |  |  |  |
| LGBT | 904 | 20.9 | 17.4 | - | 24.4 | 902 | 9.5 | 7.0 | - | 12.1 |
| Straight/Cisgender | 8,175 | 15.9 | 14.8 | - | 16.9 | 8,166 | 6.3 | 5.6 | - | 7.0 |
| \* White, Black, Asian, and Other/Multi race categories refer to non-Hispanic/non-Latine. Due to small sample sizes, data on American Indian/Alaska Natives and Native Hawaiians/Other Pacific Islanders are included in other/multiracial  † Insufficient Data  ¶ See p 65 for the definition of disability  \*\*Sexual Orientation and Gender Identity | | | | | | | | | | |

**Section 3.4: Overweight and Obesity Status**

All respondents were asked to report their height and weight. Respondents’ overweight status and obesity status were categorized based on their Body Mass Index (BMI), which equals weight in kilograms divided by height in meters squared. All adults with a BMI between 25.0 and 29.9 were classified as being overweight and adults with a BMI greater than or equal to 30.0 were classified as being obese. Presented here are the percentages of adults who were defined as overweight and obese. Please note that the overweight category includes all adults with a BMI of greater than 25.0, including those who are obese.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Table 3.4 – Overweight and Obese Among Massachusetts Adults**,** 2022 | | | | | | | | | | |
|  | Overweight (BMI ³ 25.0)  N % 95% CI | | | | | Obese (BMI ³ 30.0)  N % 95% CI | | | | |
|  |
|  |
| Overall | 9,701 | 61.9 | 60.6 | - | 63.3 | 9,701 | 27.2 | 26.0 | - | 28.5 |
| Sex |  |  |  |  |  |  |  |  |  |  |
| male | 4,857 | 67.7 | 65.9 | - | 69.6 | 4,857 | 28.0 | 26.2 | - | 29.7 |
| female | 4,844 | 56.1 | 54.2 | - | 58.1 | 4,844 | 26.5 | 24.8 | - | 28.2 |
| Age Group |  |  |  |  |  |  |  |  |  |  |
| 18–24 | 833 | 41.3 | 36.8 | - | 45.8 | 833 | 14.0 | 10.9 | - | 17.1 |
| 25–34 | 1,318 | 56.7 | 53.1 | - | 60.2 | 1,318 | 26.6 | 23.4 | - | 29.8 |
| 35–44 | 1,384 | 65.3 | 62.0 | - | 68.6 | 1,384 | 28.7 | 25.6 | - | 31.9 |
| 45–54 | 1,415 | 68.1 | 64.9 | - | 71.3 | 1,415 | 32.2 | 28.9 | - | 35.5 |
| 55–64 | 1,757 | 71.4 | 68.6 | - | 74.3 | 1,757 | 33.2 | 30.3 | - | 36.1 |
| 65–74 | 1,691 | 66.7 | 63.5 | - | 70.0 | 1,691 | 30.2 | 26.9 | - | 33.4 |
| 75 and older | 1,158 | 60.0 | 55.7 | - | 64.2 | 1,158 | 22.4 | 18.8 | - | 26.0 |
| Race-ethnicity\* |  |  |  |  |  |  |  |  |  |  |
| white | 6,971 | 62.1 | 60.5 | - | 63.7 | 6,971 | 27.5 | 26.1 | - | 28.9 |
| black | 580 | 69.0 | 63.9 | - | 74.1 | 580 | 37.6 | 32.4 | - | 42.8 |
| hispanic or Latine | 1,234 | 68.2 | 64.6 | - | 71.7 | 1,234 | 30.6 | 27.2 | - | 34.0 |
| asian | 446 | 40.0 | 33.8 | - | 46.2 | 446 | 10.4 | 5.8 | - | 15.0 |
| other & multiracial | 220 | 66.9 | 58.8 |  | 75.0 | 220 | 29.9 | 22.0 |  | 37.8 |
| Disability¶ |  |  |  |  |  |  |  |  |  |  |
| disability | 2,649 | 66.4 | 63.8 | - | 69.0 | 2,649 | 35.2 | 32.6 | - | 37.7 |
| no disability | 6,895 | 60.5 | 58.9 | - | 62.1 | 6,895 | 24.5 | 23.1 | - | 25.9 |
| Education |  |  |  |  |  |  |  |  |  |  |
| < high school | 516 | 67.7 | 62.3 | - | 73.2 | 516 | 30.2 | 25.2 | - | 35.3 |
| high school | 1,787 | 64.2 | 61.1 | - | 67.3 | 1,787 | 31.5 | 28.5 | - | 34.4 |
| college 1–3 yrs | 2,132 | 63.2 | 60.5 | - | 65.9 | 2,132 | 30.0 | 27.4 | - | 32.5 |
| college 4+ yrs | 5,237 | 58.4 | 56.6 | - | 60.2 | 5,237 | 22.4 | 20.9 | - | 23.8 |
| Household Income |  |  |  |  |  |  |  |  |  |  |
| <$25,000 | 889 | 65.5 | 61.1 | - | 69.9 | 889 | 34.4 | 30.1 | - | 38.7 |
| $25,000–49,999 | 1,555 | 65.8 | 62.5 | - | 69.1 | 1,555 | 33.0 | 29.6 | - | 36.4 |
| $50,000–74,999 | 1,170 | 68.2 | 64.5 | - | 72.0 | 1,170 | 31.7 | 28.0 | - | 35.5 |
| $75,000–99,999 | 1,017 | 62.1 | 58.1 | - | 66.0 | 1,017 | 28.6 | 24.9 | - | 32.2 |
| $100,000+ | 2,909 | 60.6 | 58.2 | - | 63.0 | 2,909 | 24.0 | 22.0 | - | 26.0 |
| SOGI\*\* |  |  |  |  |  |  |  |  |  |  |
| LGBT | 908 | 61.8 | 57.7 | - | 66.0 | 908 | 28.7 | 24.8 | - | 32.6 |
| Straight/Cisgender | 7,955 | 62.4 | 60.9 | - | 63.9 | 7,955 | 27.6 | 26.3 | - | 29.0 |
| \* White, Black, Asian, and Other/Multi race categories refer to non-Hispanic/non-Latine. Due to small sample sizes, data on American Indian/Alaska Natives and Native Hawaiians/Other Pacific Islanders are included in other/multiracial  † Insufficient Data  ¶ See p 65 for the definition of disability  \*\*Sexual Orientation and Gender Identity | | | | | | | | | | |

**Section 3.5: Physical Activity**

In 2018, all respondents were asked if during the past month, other than their regular job, they participated in any physical activities or exercises such as running, calisthenics, golf, gardening, or walking for exercise. Presented here is the percentage of adults who participated in any leisure time physical activity in the last 30 days.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Table 3.5 - Any Leisure Time Physical Activity among Massachusetts Adults, 2022 | | | | | |
|  | Physical Activity in the past month  N % 95% CI | | | | |
| Overall | 10,997 | 78.7 | 77.6 | - | 79.8 |
| Sex |  |  |  |  |  |
| male | 5,295 | 80.4 | 78.8 | - | 82.0 |
| female | 5,702 | 77.0 | 75.5 | - | 78.6 |
| Age Group |  |  |  |  |  |
| 18–24 | 944 | 84.3 | 81.2 | - | 87.4 |
| 25–34 | 1,529 | 80.5 | 77.6 | - | 83.5 |
| 35–44 | 1,562 | 82.7 | 80.3 | - | 85.2 |
| 45–54 | 1,597 | 77.6 | 74.6 | - | 80.6 |
| 55–64 | 1,966 | 79.7 | 77.2 | - | 82.1 |
| 65–74 | 1,862 | 75.1 | 72.1 | - | 78.2 |
| 75 and older | 1,261 | 66.0 | 61.9 | - | 70.1 |
| Race-ethnicity\* |  |  |  |  |  |
| white | 7,764 | 81.3 | 80.1 | - | 82.6 |
| black | 657 | 76.0 | 71.4 | - | 80.6 |
| hispanic or Latine | 1,437 | 65.2 | 61.9 | - | 68.6 |
| asian | 539 | 80.2 | 75.2 | - | 85.2 |
| other & multiracial | 245 | 76.5 | 69.8 | - | 83.2 |
| Disability¶ |  |  |  |  |  |
| disability | 2,906 | 64.5 | 62.1 | - | 67.0 |
| no disability | 7,594 | 84.1 | 82.8 | - | 85.3 |
| Education |  |  |  |  |  |
| < high school | 621 | 59.8 | 54.6 | - | 64.9 |
| high school | 2,044 | 69.9 | 67.2 | - | 72.6 |
| college 1–3 yrs | 2,387 | 78.8 | 76.6 | - | 81.0 |
| college 4+ yrs | 5,870 | 88.3 | 87.1 | - | 89.5 |
| Household Income |  |  |  |  |  |
| <$25,000 | 983 | 63.9 | 59.6 | - | 68.2 |
| $25,000–49,999 | 1,705 | 70.1 | 67.0 | - | 73.3 |
| $50,000–74,999 | 1,235 | 79.2 | 75.9 | - | 82.6 |
| $75,000–99,999 | 1,076 | 82.5 | 79.1 | - | 85.8 |
| $100,000+ | 3,075 | 90.5 | 89.0 | - | 91.9 |
| SOGI\*\* |  |  |  |  |  |
| LGBT | 991 | 80.9 | 77.6 | - | 84.1 |
| Straight/Cisgender | 8,966 | 78.8 | 77.6 | - | 80.1 |
| \* White, Black, Asian, and Other/Multi race categories refer to non-Hispanic/non-Latine. Due to small sample sizes, data on American Indian/Alaska Natives and Native Hawaiians/Other Pacific Islanders are included in other/multiracial  † Insufficient Data  ¶ See p 65 for the definition of disability  \*\*Sexual Orientation and Gender Identity | | | | | |

Section 4: Immunization

**Section 4.1: Flu Vaccine and Pneumonia Vaccine**

All respondents were asked if they had received an influenza vaccine (flu shot) or nasal flu spray (flu mist) within the past 12 months. In addition, all respondents were asked if they had ever received a pneumonia vaccine. Presented here are the percentages of adults ages 18-49 years, 50-64 years and ages 65 and older who received a flu vaccine or spray in the past year, and the percentage of adults, ages 65 and older, who reported that they had ever had a pneumonia vaccination.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table 4.1.1 – Flu Vaccine Among Massachusetts Adults, Ages 18-64, 2022** | | | | | | | | | | |
|  | Flu vaccine in past year, Ages 18-49  N % 95% CI | | | | | Flu vaccine in past year, Ages 50-64  N % 95% CI | | | | |
|  |
|  |
| Overall | 4,426 | 46.5 | 44.5 | - | 48.5 | 2,589 | 62.1 | 59.6 | - | 64.6 |
| Sex |  |  |  |  |  |  |  |  |  |  |
| male | 2,251 | 40.4 | 37.7 | - | 43.2 | 1,226 | 58.1 | 54.3 | - | 61.8 |
| female | 2,175 | 52.3 | 49.5 | - | 55.1 | 1,363 | 65.9 | 62.6 | - | 69.1 |
| Age Group |  |  |  |  |  |  |  |  |  |  |
| 18–24 | 881 | 44.9 | 40.5 | - | 49.4 |  |  |  |  |  |
| 25–34 | 1,401 | 44.8 | 41.4 | - | 48.2 |  |  |  |  |  |
| 35–44 | 1,439 | 47.3 | 44.0 | - | 50.7 |  |  |  |  |  |
| 45–49 | 705 | 51.7 | 46.5 | - | 56.9 |  |  |  |  |  |
| 50–64 |  |  |  |  |  | 2,589 | 62.1 | 59.6 | - | 64.6 |
| Race-ethnicity\* |  |  |  |  |  |  |  |  |  |  |
| white | 2,547 | 49.4 | 46.8 | - | 51.9 | 2,024 | 63.8 | 61.2 | - | 66.5 |
| black | 345 | 41.7 | 35.0 | - | 48.3 | 139 | 54.3 | 43.5 | - | 65.2 |
| hispanic or Latine | 917 | 35.2 | 31.1 | - | 39.2 | 252 | 56.8 | 48.7 | - | 64.9 |
| asian | 367 | 56.7 | 50.0 | - | 63.5 | 62 | 60.1 | 45.2 |  | 75.0 |
| other & multiracial | 128 | 47.4 | 36.5 |  | 58.2 | 50 | 58.6 | 40.9 |  | 76.3 |
| Disability¶ |  |  |  |  |  |  |  |  |  |  |
| disability | 950 | 44.1 | 39.7 | - | 48.4 | 640 | 61.8 | 56.9 | - | 66.8 |
| no disability | 3,437 | 47.5 | 45.3 | - | 49.7 | 1,921 | 62.5 | 59.6 | - | 65.4 |
| Education |  |  |  |  |  |  |  |  |  |  |
| < high school | 267 | 31.2 | 23.8 | - | 38.5 | 125 | 54.4 | 43.2 | - | 65.5 |
| high school | 838 | 33.6 | 29.4 | - | 37.8 | 461 | 52.9 | 46.8 | - | 58.9 |
| college 1–3 yrs | 979 | 45.6 | 41.6 | - | 49.6 | 543 | 60.8 | 55.5 | - | 66.1 |
| college 4+ yrs | 2,333 | 58.9 | 56.2 | - | 61.5 | 1,446 | 69.2 | 66.2 | - | 72.2 |
| Household Income |  |  |  |  |  |  |  |  |  |  |
| <$25,000 | 400 | 42.0 | 35.5 | - | 48.4 | 209 | 51.5 | 42.2 | - | 60.7 |
| $25,000–49,999 | 692 | 40.9 | 35.8 | - | 45.9 | 330 | 56.8 | 49.8 | - | 63.7 |
| $50,000–74,999 | 488 | 43.3 | 37.4 | - | 49.3 | 279 | 50.9 | 43.1 | - | 58.8 |
| $75,000–99,999 | 446 | 48.9 | 42.9 | - | 55.0 | 278 | 61.4 | 53.9 | - | 68.8 |
| $100,000+ | 1,431 | 55.8 | 52.4 | - | 59.2 | 949 | 69.1 | 65.3 | - | 73.0 |
| SOGI\*\* |  |  |  |  |  |  |  |  |  |  |
| LGBT | 626 | 51.9 | 46.8 | - | 57.0 | 167 | 64.5 | 53.7 | - | 75.3 |
| Straight/Cisgender | 3,297 | 46.0 | 43.7 | - | 48.3 | 2,267 | 62.2 | 59.6 | - | 64.9 |
| \* White, Black, Asian, and Other/Multi race categories refer to non-Hispanic/non-Latine. Due to small sample sizes, data on American Indian/Alaska Natives and Native Hawaiians/Other Pacific Islanders are included in other/multiracial  † Insufficient Data  ¶ See p 65 for the definition of disability  \*\*Sexual Orientation and Gender Identity | | | | | | | | | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Table 4.1.2 – Flu Vaccine Among Massachusetts Adults, Ages 65 Years and Older, 2022** | | | | | |
|  | Flu vaccine in past year, Ages 65+  N % 95% CI | | | | |
| Overall | 2,963 | 74.0 | 71.7 | - | 76.4 |
| Sex |  |  |  |  |  |
| male | 1,309 | 72.4 | 68.9 | - | 75.9 |
| female | 1,654 | 75.3 | 72.1 | - | 78.5 |
| Age Group |  |  |  |  |  |
| 65–74 | 1,764 | 72.0 | 68.9 | - | 75.0 |
| 75 and older | 1,199 | 77.0 | 73.2 | - | 80.8 |
| Race-ethnicity\* |  |  |  |  |  |
| white | 2,541 | 75.4 | 72.9 | - | 77.8 |
| black | 111 | 74.1 | 63.1 | - | 85.1 |
| hispanic or Latine | 151 | 70.4 | 59.5 | - | 81.3 |
| asian | † |  |  |  |  |
| other & multiracial | † |  |  |  |  |
| Disability¶ |  |  |  |  |  |
| disability | 1,166 | 75.1 | 71.3 | - | 78.8 |
| no disability | 1,766 | 73.2 | 70.1 | - | 76.3 |
| Education |  |  |  |  |  |
| < high school | 165 | 65.5 | 54.8 | - | 76.2 |
| high school | 558 | 71.2 | 66.0 | - | 76.5 |
| college 1–3 yrs | 659 | 71.4 | 66.5 | - | 76.3 |
| college 4+ yrs | 1,570 | 79.6 | 76.9 | - | 82.4 |
| Household Income |  |  |  |  |  |
| <$25,000 | 313 | 61.6 | 53.2 | - | 70.0 |
| $25,000–49,999 | 588 | 72.5 | 67.1 | - | 77.9 |
| $50,000–74,999 | 404 | 75.4 | 69.5 | - | 81.4 |
| $75,000–99,999 | 290 | 79.4 | 73.7 | - | 85.1 |
| $100,000+ | 545 | 81.8 | 77.1 | - | 86.6 |
| SOGI\*\* |  |  |  |  |  |
| LGBT | 123 | 75.5 | 65.5 | - | 85.5 |
| Straight/Cisgender | 2,630 | 74.7 | 72.2 | - | 77.1 |
| \* White, Black, Asian, and Other/Multi race categories refer to non-Hispanic/non-Latine. Due to small sample sizes, data on American Indian/Alaska Natives and Native Hawaiians/Other Pacific Islanders are included in other/multiracial  † Insufficient Data  ¶ See p 65 for the definition of disability  \*\*Sexual Orientation and Gender Identity | | | | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Table 4.1.3 – Pneumonia Vaccine Among Massachusetts Adults, Ages 65 Years and Older, 2022** | | | | | |
|  | Ever had Pneumonia Vaccine  N % 95% CI | | | | |
|
| Overall | 2,840 | 69.4 | 66.8 | - | 72.0 |
| Sex |  |  |  |  |  |
| male | 1,244 | 65.1 | 61.2 | - | 69.0 |
| female | 1,596 | 72.7 | 69.2 | - | 76.2 |
| Age Group |  |  |  |  |  |
| 65–74 | 1,695 | 67.8 | 64.5 | - | 71.0 |
| 75 and older | 1,145 | 71.8 | 67.4 | - | 76.2 |
| Race-ethnicity\* |  |  |  |  |  |
| white | 2,434 | 71.8 | 69.1 | - | 74.5 |
| black | 108 | 55.4 | 39.8 | - | 71.0 |
| hispanic or Latine | 142 | 55.9 | 43.9 | - | 67.8 |
| asian | † |  |  |  |  |
| other & multiracial | † |  |  |  |  |
| Disability¶ |  |  |  |  |  |
| disability | 1,129 | 71.2 | 67.1 | - | 75.2 |
| no disability | 1,684 | 68.2 | 64.7 | - | 71.7 |
| Education |  |  |  |  |  |
| < high school | 155 | 46.6 | 35.1 | - | 58.1 |
| high school | 547 | 70.6 | 65.4 | - | 75.8 |
| college 1–3 yrs | 629 | 71.7 | 66.6 | - | 76.7 |
| college 4+ yrs | 1,501 | 73.4 | 70.3 | - | 76.5 |
| Household Income |  |  |  |  |  |
| <$25,000 | 306 | 68.2 | 60.2 | - | 76.3 |
| $25,000–49,999 | 562 | 69.0 | 62.8 | - | 75.3 |
| $50,000–74,999 | 385 | 71.7 | 65.6 | - | 77.8 |
| $75,000–99,999 | 287 | 71.1 | 64.1 | - | 78.1 |
| $100,000+ | 516 | 77.5 | 72.2 | - | 82.7 |
| SOGI\*\* |  |  |  |  |  |
| LGBT | 117 | 70.2 | 59.0 | - | 81.4 |
| Straight/Cisgender | 2,521 | 69.7 | 66.9 | - | 72.5 |
| \* White, Black, Asian, and Other/Multi race categories refer to non-Hispanic/non-Latine. Due to small sample sizes, data on American Indian/Alaska Natives and Native Hawaiians/Other Pacific Islanders are included in other/multiracial  † Insufficient Data  ¶ See p 65 for the definition of disability  \*\*Sexual Orientation and Gender Identity | | | | | |

**Section 4.2: Human Papilloma Virus (HPV) Vaccination**

All respondents between the ages of 18-49 were asked if they had ever received the HPV vaccine; if they responded yes, they were then asked how many HPV shots they had received. Presented are the percentage of females aged 18-34 who had ever received the HPV vaccine and the percentage of those who had completed the series of three shots. Percentages for males are not presented due to insufficient data.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table 4.2 – HPV Vaccine Among Massachusetts Females, Ages 18-34 Years,** 2022 | | | | | | | | | | |
|  | Ever had HPV Vaccine  N % 95% CI | | | | | Completed Series \*\*    N % 95% CI | | | | |
|  |
|  |
| Overall | 269 | 58.4 | 50.6 | - | 66.3 | 135 | 65.3 | 55.2 | - | 75.3 |
| Age Group |  |  |  |  |  |  |  |  |  |  |
| 18–24 | 90 | 59.9 | 46.1 | - | 73.8 | † |  |  |  |  |
| 25–34 | 179 | 57.3 | 48.2 | - | 66.4 | 88 | 71.6 | 60.2 | - | 83.0 |
| Race-ethnicity\* |  |  |  |  |  |  |  |  |  |  |
| white | 141 | 63.6 | 52.4 | - | 74.9 | 81 | 72.1 | 60.8 | - | 83.3 |
| black | † |  |  |  |  | † |  |  |  |  |
| hispanic or Latine | 71 | 33.8 | 20.6 |  | 47.0 | † |  |  |  |  |
| asian | † |  |  |  |  | † |  |  |  |  |
| other & multiracial | † |  |  |  |  | † |  |  |  |  |
| Disability¶ |  |  |  |  |  |  |  |  |  |  |
| disability | 64 | 65.0 | 50.0 |  | 80.0 | † |  |  |  |  |
| no disability | 202 | 57.2 | 48.0 | - | 66.4 | 96 | 66.2 | 54.1 | - | 78.2 |
| Education |  |  |  |  |  |  |  |  |  |  |
| < high school | † |  |  |  |  | † |  |  |  |  |
| high school | † |  |  |  |  | † |  |  |  |  |
| college 1–3 yrs | 61 | 61.0 | 46.3 | - | 75.6 | † |  |  |  |  |
| college 4+ yrs | 144 | 73.6 | 65.2 | - | 82.1 | 87 | 71.6 | 60.1 | - | 83.1 |
| Household Income |  |  |  |  |  |  |  |  |  |  |
| <$25,000 | † |  |  |  |  | † |  |  |  |  |
| $25,000–49,999 | † |  |  |  |  | † |  |  |  |  |
| $50,000–74,999 | † |  |  |  |  | † |  |  |  |  |
| $75,000–99,999 | † |  |  |  |  | † |  |  |  |  |
| $100,000+ | 64 | 72.8 | 60.8 | - | 84.8 | † |  |  |  |  |
| SOGI\*\* |  |  |  |  |  |  |  |  |  |  |
| LGBT | 64 | 69.9 | 56.3 |  | 83.5 | † |  |  |  |  |
| Straight/Cisgender | 196 | 57.8 | 48.4 | - | 67.3 | 95 | 67.9 | 56.6 | - | 79.2 |
| \* White, Black, Asian, and Other/Multi race categories refer to non-Hispanic/non-Latine. Due to small sample sizes, data on American Indian/Alaska Natives and Native Hawaiians/Other Pacific Islanders are included in other/multiracial  † Insufficient Data  ¶ See p 65 for the definition of disability  \*\*Sexual Orientation and Gender Identity | | | | | | | | | | |

**Section 4.3: Hepatitis B Virus (HBV) Vaccination**

All respondents were asked if they had ever received the Hepatitis B vaccine. They were told to respond yes only if they had received the entire series of 3 shots. Presented below is the percentage of adults who reported that they had ever received the Hepatitis B vaccine.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Table 4.3 – Hepatitis B Vaccine Among Massachusetts Adults**, 2022 | | | | | |
|  | Received 3 shots HBV Vaccine  N % 95% CI | | | | |
| Overall | 2,551 | 41.4 | 38.9 | - | 43.9 |
| Sex |  |  |  |  |  |
| male | 1,197 | 39.4 | 35.8 | - | 43.0 |
| female | 1,354 | 43.2 | 39.7 | - | 46.8 |
| Age Group |  |  |  |  |  |
| 18–24 | 188 | 61.8 | 52.2 | - | 71.4 |
| 25–34 | 308 | 55.5 | 48.6 | - | 62.5 |
| 35–44 | 355 | 54.6 | 48.1 | - | 61.0 |
| 45–54 | 387 | 37.4 | 31.5 | - | 43.3 |
| 55–64 | 439 | 31.9 | 26.4 | - | 37.5 |
| 65–74 | 480 | 27.4 | 22.7 | - | 32.1 |
| 75 and older | 340 | 14.8 | 9.9 | - | 19.8 |
| Race-ethnicity\* |  |  |  |  |  |
| white | 1,807 | 40.8 | 37.8 | - | 43.8 |
| black | 155 | 53.8 | 43.4 | - | 64.1 |
| hispanic or Latine | 355 | 29.9 | 24.3 | - | 35.5 |
| asian | 111 | 58.7 | 46.5 | - | 71.0 |
| other & multiracial | 53 | 48.3 | 32.6 | - | 64.0 |
| Disability¶ |  |  |  |  |  |
| disability | 735 | 37.1 | 32.3 | - | 41.9 |
| no disability | 1,801 | 43.4 | 40.4 | - | 46.5 |
| Education |  |  |  |  |  |
| < high school | 163 | 21.2 | 12.8 | - | 29.7 |
| high school | 501 | 33.0 | 27.6 | - | 38.3 |
| college 1–3 yrs | 567 | 41.5 | 36.3 | - | 46.7 |
| college 4+ yrs | 1,309 | 51.5 | 48.1 | - | 54.9 |
| Household Income |  |  |  |  |  |
| <$25,000 | 248 | 31.3 | 24.1 | - | 38.5 |
| $25,000–49,999 | 386 | 37.1 | 30.5 | - | 43.7 |
| $50,000–74,999 | 303 | 40.2 | 32.7 | - | 47.7 |
| $75,000–99,999 | 265 | 45.7 | 37.8 | - | 53.6 |
| $100,000+ | 719 | 50.1 | 45.3 | - | 54.9 |
| SOGI\*\* |  |  |  |  |  |
| LGBT | 227 | 61.1 | 52.9 | - | 69.3 |
| Straight/Cisgender | 2,211 | 40.9 | 38.2 | - | 43.6 |
| \* White, Black, Asian, and Other/Multi race categories refer to non-Hispanic/non-Latine. Due to small sample sizes, data on American Indian/Alaska Natives and Native Hawaiians/Other Pacific Islanders are included in other/multiracial  † Insufficient Data  ¶ See p 65 for the definition of disability  \*\*Sexual Orientation and Gender Identity | | | | | |

**Section 4.4: Herpes Zoster (Shingles) Vaccination**

All respondents ages 50 and older were asked if they had ever received the shingles vaccine. Presented here is the percentage of adults ages 60 or older who had ever received the shingles vaccine.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Table 4.4 – Shingles Vaccine Among Massachusetts Adults, Age 60+**, 2022 | | | | | |
|  | Ever Had Shingles Vaccine  N % 95% CI | | | | |
| Overall | 1,243 | 51.7 | 47.9 | - | 55.6 |
| Sex |  |  |  |  |  |
| male | 530 | 52.3 | 46.4 | - | 58.3 |
| female | 713 | 51.3 | 46.3 | - | 56.3 |
| Age Group |  |  |  |  |  |
| 60-69 | 564 | 50.6 | 45.1 | - | 56.1 |
| 70-79 | 482 | 55.5 | 49.0 | - | 61.9 |
| 80 and older | 197 | 45.9 | 35.9 | - | 56.0 |
| Race-ethnicity\* |  |  |  |  |  |
| white | 1,071 | 54.0 | 50.0 | - | 57.9 |
| black | † |  |  |  |  |
| hispanic or Latine | 62 | 47.1 | 31.0 | - | 63.3 |
| asian | † |  |  |  |  |
| other & multiracial | † |  |  |  |  |
| Disability¶ |  |  |  |  |  |
| disability | 456 | 50.6 | 44.3 | - | 56.9 |
| no disability | 779 | 52.6 | 47.7 | - | 57.5 |
| Education |  |  |  |  |  |
| < high school | 65 | 40.2 | 22.1 | - | 58.4 |
| high school | 229 | 42.0 | 33.3 | - | 50.7 |
| college 1–3 yrs | 277 | 49.6 | 41.9 | - | 57.4 |
| college 4+ yrs | 664 | 60.8 | 56.0 | - | 65.6 |
| Household Income |  |  |  |  |  |
| <$25,000 | 133 | 35.1 | 24.4 | - | 45.7 |
| $25,000–49,999 | 219 | 49.7 | 39.6 | - | 59.9 |
| $50,000–74,999 | 163 | 57.5 | 47.5 | - | 67.5 |
| $75,000–99,999 | 119 | 54.9 | 43.4 | - | 66.5 |
| $100,000+ | 287 | 57.1 | 49.2 | - | 65.1 |
| SOGI\*\* |  |  |  |  |  |
| LGBT | 54 | 54.5 | 36.7 | - | 72.2 |
| Straight/Cisgender | 1,137 | 51.5 | 47.5 | - | 55.5 |
| \* White, Black, Asian, and Other/Multi race categories refer to non-Hispanic/non-Latine. Due to small sample sizes, data on American Indian/Alaska Natives and Native Hawaiians/Other Pacific Islanders are included in other/multiracial  † Insufficient Data  ¶ See p 65 for the definition of disability  \*\*Sexual Orientation and Gender Identity | | | | | |

**Section 4.5: Covid-19 Vaccination**

All respondents were asked if they had received at least one dose of a COVID-19 vaccine, and if so, how many doses they had received. Presented here is the percentage of adults who reported having received at least one dose of a COVID vaccine.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Table 4.5 – COVID-19 Vaccine Among Massachusetts Adults**, 2022 | | | | | |
|  | Received 1 or more doses COVID vaccine  N % 95% CI | | | | |
| Overall | 6,257 | 88.6 | 87.4 | - | 89.7 |
| Sex |  |  |  |  |  |
| male | 2,961 | 86.8 | 85.1 | - | 88.5 |
| female | 3,296 | 90.1 | 88.6 | - | 91.7 |
| Age Group |  |  |  |  |  |
| 18–24 | 483 | 85.1 | 80.5 | - | 89.8 |
| 25–34 | 790 | 85.1 | 81.8 | - | 88.5 |
| 35–44 | 879 | 82.7 | 79.4 | - | 85.9 |
| 45–54 | 929 | 87.7 | 84.9 | - | 90.5 |
| 55–64 | 1,133 | 93.4 | 91.7 | - | 95.2 |
| 65–74 | 1,161 | 94.2 | 92.4 | - | 96.0 |
| 75 and older | 755 | 93.6 | 91.2 | - | 96.1 |
| Race-ethnicity\* |  |  |  |  |  |
| white | 4,463 | 89.9 | 88.6 | - | 91.3 |
| black | 373 | 89.7 | 85.8 | - | 93.5 |
| hispanic or Latine | 825 | 79.5 | 75.7 | - | 83.3 |
| asian | 267 | 95.3 | 92.3 | - | 98.2 |
| other & multiracial | 142 | 84.7 | 77.9 | - | 91.4 |
| Disability¶ |  |  |  |  |  |
| disability | 1,769 | 89.4 | 87.5 | - | 91.3 |
| no disability | 4,427 | 88.3 | 86.9 | - | 89.7 |
| Education |  |  |  |  |  |
| < high school | 356 | 75.9 | 69.7 | - | 82.0 |
| high school | 1,156 | 80.3 | 77.2 | - | 83.4 |
| college 1–3 yrs | 1,394 | 89.2 | 87.2 | - | 91.2 |
| college 4+ yrs | 3,323 | 95.9 | 95.0 | - | 96.7 |
| Household Income |  |  |  |  |  |
| <$25,000 | 577 | 82.1 | 77.7 | - | 86.6 |
| $25,000–49,999 | 990 | 85.5 | 82.4 | - | 88.5 |
| $50,000–74,999 | 730 | 86.2 | 82.6 | - | 89.8 |
| $75,000–99,999 | 647 | 91.8 | 88.6 | - | 95.0 |
| $100,000+ | 1,831 | 94.7 | 93.4 | - | 96.1 |
| SOGI\*\* |  |  |  |  |  |
| LGBT | 595 | 89.6 | 86.3 | - | 92.8 |
| Straight/Cisgender | 5,445 | 89.1 | 87.9 | - | 90.3 |
| \* White, Black, Asian, and Other/Multi race categories refer to non-Hispanic/non-Latine. Due to small sample sizes, data on American Indian/Alaska Natives and Native Hawaiians/Other Pacific Islanders are included in other/multiracial  † Insufficient Data  ¶ See p 65 for the definition of disability  \*\*Sexual Orientation and Gender Identity | | | | | |

Section 5: Chronic Health Conditions

**Section 5.1: Diabetes**

All respondents were asked if a doctor had ever told them that they had diabetes or pre-diabetes Women who reported that they had diabetes only during pregnancy (gestational diabetes) were categorized as not having diabetes. Presented here is the percentage of adults who reported that a doctor had ever told them that they had diabetes and the percentage of adults who reported that a doctor had ever told them that they had pre-diabetes.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Table 5.1 – Diabetes Among Massachusetts Adults**,** 2022 | | | | | | | | | | |
|  | Diabetes  N % 95% CI | | | | | Pre-Diabetes  N % 95% CI | | | | |
|  |
|  |
| Overall | 11,002 | 10.5 | 9.6 | - | 11.3 | 3,114 | 11.4 | 10.0 | - | 12.9 |
| Sex |  |  |  |  |  |  |  |  |  |  |
| male | 5,296 | 12.0 | 10.7 | - | 13.3 | 1,404 | 11.2 | 9.0 | - | 13.4 |
| female | 5,706 | 9.1 | 7.9 | - | 10.2 | 1,710 | 11.7 | 9.7 | - | 13.7 |
| Age Group |  |  |  |  |  |  |  |  |  |  |
| 18–24 | † |  |  |  |  | † |  |  |  |  |
| 25–34 | 1,534 | 2.6 | 1.1 | - | 4.0 | 436 | 7.1 | 3.4 | - | 10.9 |
| 35–44 | 1,560 | 4.2 | 2.7 | - | 5.6 | 476 | 7.8 | 4.8 | - | 10.7 |
| 45–54 | 1,597 | 11.3 | 8.6 | - | 14.0 | 475 | 14.3 | 10.3 | - | 18.4 |
| 55–64 | 1,967 | 16.4 | 13.9 | - | 18.9 | 503 | 17.8 | 13.6 | - | 22.1 |
| 65–74 | 1,863 | 19.1 | 16.3 | - | 21.9 | 511 | 18.2 | 13.4 | - | 23.0 |
| 75 and older | 1,261 | 21.5 | 18.0 | - | 25.1 | 363 | 16.1 | 10.1 | - | 22.0 |
| Race-ethnicity\* |  |  |  |  |  |  |  |  |  |  |
| white | 7,763 | 9.1 | 8.2 | - | 10.0 | 2,205 | 12.0 | 10.2 | - | 13.9 |
| black | 662 | 11.8 | 8.6 | - | 15.1 | 187 | 14.8 | 9.3 | - | 20.4 |
| hispanic or Latine | 1,443 | 13.8 | 11.2 | - | 16.5 | 404 | 9.1 | 5.8 | - | 12.4 |
| asian | 537 | 12.1 | 7.2 | - | 17.0 | 159 | 12.1 | 5.4 | - | 18.7 |
| other & multiracial | 244 | 14.2 | 8.2 | - | 20.2 | † |  |  |  |  |
| Disability¶ |  |  |  |  |  |  |  |  |  |  |
| disability | 2,911 | 16.9 | 15.0 | - | 18.8 | 759 | 16.7 | 12.8 | - | 20.6 |
| no disability | 7,598 | 8.0 | 7.1 | - | 9.0 | 2,238 | 9.9 | 8.3 | - | 11.5 |
| Education |  |  |  |  |  |  |  |  |  |  |
| < high school | 623 | 18.8 | 14.8 | - | 22.8 | † |  |  | - |  |
| high school | 2,048 | 12.7 | 10.5 | - | 14.8 | 572 | 11.4 | 8.0 | - | 14.7 |
| college 1–3 yrs | 2,388 | 10.4 | 8.8 | - | 12.0 | 679 | 11.2 | 8.0 | - | 14.3 |
| college 4+ yrs | 5,870 | 7.2 | 6.1 | - | 8.2 | 1,687 | 12.2 | 10.2 | - | 14.3 |
| Household Income |  |  |  |  |  |  |  |  |  |  |
| <$25,000 | 986 | 17.5 | 13.9 | - | 21.1 | 266 | 10.9 | 5.6 | - | 16.2 |
| $25,000–49,999 | 1,708 | 13.5 | 11.1 | - | 15.9 | 444 | 14.7 | 9.7 | - | 19.8 |
| $50,000–74,999 | 1,237 | 12.0 | 9.4 | - | 14.6 | 337 | 13.4 | 8.7 |  | 18.2 |
| $75,000–99,999 | 1,078 | 8.0 | 6.0 | - | 10.0 | 322 | 15.4 | 10.1 | - | 20.7 |
| $100,000+ | 3,075 | 7.0 | 5.6 | - | 8.4 | 915 | 9.4 | 7.1 | - | 11.7 |
| SOGI\*\* |  |  |  |  |  |  |  |  |  |  |
| LGBT | 992 | 4.9 | 3.2 | - | 6.5 | 301 | 9.7 | 5.0 |  | 14.5 |
| Straight/Cisgender | 8,969 | 10.9 | 9.9 | - | 11.9 | 2,696 | 11.9 | 10.3 | - | 13.5 |
| \* White, Black, Asian, and Other/Multi race categories refer to non-Hispanic/non-Latine. Due to small sample sizes, data on American Indian/Alaska Natives and Native Hawaiians/Other Pacific Islanders are included in other/multiracial  † Insufficient Data  ¶ See p 65 for the definition of disability  \*\*Sexual Orientation and Gender Identity | | | | | | | | | | |

**Section 5.2: Asthma**

All respondents were asked if a doctor, nurse, or other health care professional had ever told them that they had asthma. Those who reported ever having asthma were then asked if they currently have asthma. Reported here are the percentages of adults who have ever had asthma and those who currently have asthma.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table 5.2 – Asthma Among Massachusetts Adults,** 2022 | | | | | | | | | | |
|  | Ever Had Asthma  N % 95% CI | | | | | Currently Have Asthma  N % 95% CI | | | | |
|  |
|  |
| Overall | 10,974 | 16.3 | 15.3 | - | 17.3 | 10,920 | 11.3 | 10.4 | - | 12.1 |
| Sex |  |  |  |  |  |  |  |  |  |  |
| male | 5,289 | 13.8 | 12.5 | - | 15.2 | 5,263 | 8.1 | 7.0 | - | 9.3 |
| female | 5,685 | 18.6 | 17.2 | - | 20.0 | 5,657 | 14.2 | 12.9 | - | 15.4 |
| Age Group |  |  |  |  |  |  |  |  |  |  |
| 18–24 | 943 | 20.0 | 16.7 | - | 23.4 | 931 | 10.9 | 8.3 | - | 13.5 |
| 25–34 | 1,528 | 19.4 | 16.8 | - | 21.9 | 1,522 | 11.9 | 9.8 | - | 14.0 |
| 35–44 | 1,560 | 16.5 | 14.0 | - | 18.9 | 1,551 | 11.8 | 9.7 | - | 13.9 |
| 45–54 | 1,593 | 17.5 | 14.7 | - | 20.3 | 1,586 | 13.4 | 10.8 | - | 16.1 |
| 55–64 | 1,960 | 14.4 | 12.2 | - | 16.6 | 1,954 | 11.8 | 9.7 | - | 13.8 |
| 65–74 | 1,861 | 13.9 | 11.7 | - | 16.2 | 1,854 | 10.3 | 8.2 | - | 12.3 |
| 75 and older | 1,258 | 11.9 | 9.4 | - | 14.3 | 1,253 | 8.2 | 6.1 | - | 10.4 |
| Race-ethnicity\* |  |  |  |  |  |  |  |  |  |  |
| white | 7,743 | 16.5 | 15.4 | - | 17.6 | 7,703 | 11.9 | 10.9 | - | 12.9 |
| black | 659 | 16.3 | 12.7 | - | 19.9 | 656 | 12.4 | 9.2 | - | 15.6 |
| hispanic or Latine | 1,442 | 16.6 | 14.1 | - | 19.1 | 1,437 | 10.8 | 8.7 | - | 12.9 |
| asian | 536 | 11.5 | 7.1 | - | 15.9 | † |  |  |  |  |
| other & multiracial | 243 | 22.9 | 16.0 | - | 29.9 | 239 | 12.5 | 7.2 | - | 17.8 |
| Disability¶ |  |  |  |  |  |  |  |  |  |  |
| disability | 2,900 | 23.9 | 21.6 | - | 26.1 | 2,878 | 17.6 | 15.6 | - | 19.6 |
| no disability | 7,583 | 13.4 | 12.3 | - | 14.4 | 7,556 | 8.9 | 8.0 | - | 9.8 |
| Education |  |  |  |  |  |  |  |  |  |  |
| < high school | 622 | 18.9 | 14.7 | - | 23.1 | 618 | 13.5 | 9.8 | - | 17.1 |
| high school | 2,043 | 17.3 | 15.1 | - | 19.5 | 2,029 | 11.8 | 9.9 | - | 13.6 |
| college 1–3 yrs | 2,379 | 16.1 | 14.2 | - | 18.0 | 2,366 | 11.9 | 10.2 | - | 13.5 |
| college 4+ yrs | 5,858 | 15.4 | 14.1 | - | 16.7 | 5,836 | 10.3 | 9.2 | - | 11.4 |
| Household Income |  |  |  |  |  |  |  |  |  |  |
| <$25,000 | 986 | 22.8 | 19.1 | - | 26.6 | 982 | 18.1 | 14.6 | - | 21.7 |
| $25,000–49,999 | 1,701 | 16.5 | 14.0 | - | 19.0 | 1,693 | 12.6 | 10.2 | - | 14.9 |
| $50,000–74,999 | 1,233 | 15.9 | 13.1 | - | 18.6 | 1,228 | 9.2 | 7.2 | - | 11.2 |
| $75,000–99,999 | 1,078 | 16.7 | 13.9 | - | 19.6 | 1,074 | 11.4 | 8.9 | - | 13.8 |
| $100,000+ | 3,068 | 13.8 | 12.2 | - | 15.4 | 3,052 | 9.6 | 8.1 | - | 11.0 |
| SOGI\*\* |  |  |  |  |  |  |  |  |  |  |
| LGBT | 988 | 24.8 | 21.2 | - | 28.5 | 979 | 18.5 | 15.2 | - | 21.8 |
| Straight/Cisgender | 8,951 | 15.6 | 14.6 | - | 16.7 | 8,909 | 10.8 | 9.8 | - | 11.7 |
| \* White, Black, Asian, and Other/Multi race categories refer to non-Hispanic/non-Latine. Due to small sample sizes, data on American Indian/Alaska Natives and Native Hawaiians/Other Pacific Islanders are included in other/multiracial  † Insufficient Data  ¶ See p 65 for the definition of disability  \*\*Sexual Orientation and Gender Identity | | | | | | | | | | |

**Section 5.3: Chronic Obstructive Pulmonary Disease (COPD)**

All respondents were asked if a doctor, nurse, or other health care professional had ever told them that they had Chronic Obstructive Pulmonary Disease or COPD, emphysema, or chronic bronchitis.

Presented here is the percentage of adults who reported that they had ever been diagnosed with COPD, emphysema, or chronic bronchitis.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Table 5.3 – Chronic Obstructive Pulmonary Disease (COPD) Among Massachusetts Adults**, 2022 | | | | | |
|  | Ever diagnosed with COPD  N % 95% CI | | | | |
| Overall | 10,970 | 5.7 | 5.1 | - | 6.4 |
| Sex |  |  |  |  |  |
| male | 5,279 | 4.5 | 3.7 | - | 5.2 |
| female | 5,691 | 6.9 | 6.0 | - | 7.9 |
| Age Group |  |  |  |  |  |
| 18–24 | † |  |  |  |  |
| 25–34 | 1,530 | 2.4 | 1.2 | - | 3.6 |
| 35–44 | 1,556 | 3.5 | 2.1 | - | 4.9 |
| 45–54 | 1,595 | 3.9 | 2.7 | - | 5.0 |
| 55–64 | 1,963 | 7.1 | 5.6 | - | 8.6 |
| 65–74 | 1,857 | 11.6 | 9.4 | - | 13.9 |
| 75 and older | 1,255 | 12.7 | 9.6 | - | 15.8 |
| Race-ethnicity\* |  |  |  |  |  |
| white | 7,737 | 6.6 | 5.8 | - | 7.3 |
| black | 659 | 5.2 | 2.2 | - | 8.2 |
| hispanic or Latine | 1,442 | 3.8 | 2.2 | - | 5.3 |
| asian | † |  |  |  |  |
| other & multiracial | 242 | 7.9 | 3.6 | - | 12.3 |
| Disability¶ |  |  |  |  |  |
| disability | 2,889 | 12.7 | 10.9 | - | 14.4 |
| no disability | 7,590 | 3.1 | 2.5 | - | 3.6 |
| Education |  |  |  |  |  |
| < high school | 622 | 9.6 | 6.4 | - | 12.8 |
| high school | 2,039 | 8.4 | 6.8 | - | 9.9 |
| college 1–3 yrs | 2,380 | 6.8 | 5.6 | - | 8.1 |
| college 4+ yrs | 5,858 | 2.6 | 2.1 | - | 3.1 |
| Household Income |  |  |  |  |  |
| <$25,000 | 981 | 14.0 | 10.8 | - | 17.1 |
| $25,000–49,999 | 1,702 | 9.5 | 7.3 | - | 11.8 |
| $50,000–74,999 | 1,234 | 5.6 | 3.9 | - | 7.3 |
| $75,000–99,999 | 1,075 | 4.2 | 2.6 | - | 5.8 |
| $100,000+ | 3,072 | 2.1 | 1.5 | - | 2.6 |
| SOGI\*\* |  |  |  |  |  |
| LGBT | 990 | 5.4 | 3.3 | - | 7.5 |
| Straight/Cisgender | 8,943 | 5.8 | 5.1 | - | 6.5 |
| \* White, Black, Asian, and Other/Multi race categories refer to non-Hispanic/non-Latine. Due to small sample sizes, data on American Indian/Alaska Natives and Native Hawaiians/Other Pacific Islanders are included in other/multiracial  † Insufficient Data  ¶ See p 65 for the definition of disability  \*\*Sexual Orientation and Gender Identity | | | | | |

**Section 5.4: Heart Disease and Stroke**

All respondents were asked whether a doctor, nurse, or other health professional had ever told them that they had had a myocardial infarction (“MI,” also called a “heart attack”), angina or coronary heart disease, or a stroke. Presented here are the percentages of adults 35 and older who reported being told that they had experienced a heart attack, had angina or coronary heart disease, or had a stroke.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table 5.4.1 – Heart Disease Among Massachusetts Adults,**  **Ages 35 Years and Older, 2022** | | | | | | | | | | |
|  | Ever Diagnosed with Myocardial Infarction  N % 95% CI | | | | | Ever Diagnosed with Angina or Coronary Heart Disease  N % 95% CI | | | | |
|  |
|  |
| Overall | 8,216 | 5.8 | 5.1 | - | 6.4 | 8,192 | 6.2 | 5.5 | - | 7.0 |
| Sex |  |  |  |  |  |  |  |  |  |  |
| male | 3,834 | 7.8 | 6.6 | - | 9.0 | 3,824 | 8.4 | 7.1 | - | 9.7 |
| female | 4,382 | 4.0 | 3.2 | - | 4.7 | 4,368 | 4.4 | 3.5 | - | 5.2 |
| Age Group |  |  |  |  |  |  |  |  |  |  |
| 35–44 | 1,553 | 2.0 | 1.2 | - | 2.9 | † |  |  |  |  |
| 45–54 | 1,594 | 2.5 | 1.4 | - | 3.7 | 1,591 | 1.6 | 0.9 | - | 2.3 |
| 55–64 | 1,961 | 5.0 | 3.7 | - | 6.3 | 1,954 | 5.8 | 4.4 | - | 7.2 |
| 65–74 | 1,855 | 8.9 | 7.0 | - | 10.7 | 1,850 | 11.0 | 8.7 | - | 13.3 |
| 75 and older | 1,253 | 13.6 | 10.9 | - | 16.3 | 1,237 | 15.5 | 12.5 | - | 18.4 |
| Race-ethnicity\* |  |  |  |  |  |  |  |  |  |  |
| white | 6,271 | 5.9 | 5.2 | - | 6.7 | 6,248 | 6.4 | 5.6 | - | 7.2 |
| black | 456 | 3.7 | 1.8 | - | 5.7 | 455 | 3.7 | 1.8 | - | 5.7 |
| hispanic or Latine | 883 | 7.8 | 4.9 | - | 10.6 | 887 | 7.7 | 4.6 | - | 10.7 |
| asian | † |  |  |  |  | † |  |  |  |  |
| other & multiracial | † |  |  |  |  | † |  |  |  |  |
| Disability¶ |  |  |  |  |  |  |  |  |  |  |
| disability | 2,338 | 10.4 | 8.8 | - | 12.1 | 2,324 | 12.5 | 10.5 | - | 14.5 |
| no disability | 5,554 | 3.9 | 3.2 | - | 4.6 | 5,545 | 4.0 | 3.2 | - | 4.7 |
| Education |  |  |  |  |  |  |  |  |  |  |
| < high school | 472 | 12.1 | 8.2 | - | 16.1 | 469 | 11.4 | 7.1 | - | 15.7 |
| high school | 1,450 | 6.1 | 4.8 | - | 7.5 | 1,444 | 6.0 | 4.6 | - | 7.5 |
| college 1–3 yrs | 1,748 | 7.0 | 5.5 | - | 8.6 | 1,745 | 6.6 | 5.1 | - | 8.0 |
| college 4+ yrs | 4,508 | 3.5 | 2.8 | - | 4.1 | 4,497 | 4.9 | 3.9 | - | 5.8 |
| Household Income |  |  |  |  |  |  |  |  |  |  |
| <$25,000 | 742 | 12.8 | 9.1 | - | 16.5 | 737 | 9.3 | 6.3 | - | 12.4 |
| $25,000–49,999 | 1,256 | 7.6 | 5.8 | - | 9.5 | 1,254 | 7.5 | 5.6 | - | 9.5 |
| $50,000–74,999 | 929 | 8.0 | 5.5 | - | 10.5 | 928 | 7.7 | 5.3 | - | 10.1 |
| $75,000–99,999 | 804 | 3.3 | 1.7 | - | 4.8 | 799 | 5.2 | 3.2 | - | 7.2 |
| $100,000+ | 2,471 | 3.2 | 2.3 | - | 4.2 | 2,470 | 4.1 | 2.9 | - | 5.2 |
| SOGI\*\* |  |  |  |  |  |  |  |  |  |  |
| LGBT | 549 | 5.0 | 2.5 | - | 7.4 | 551 | 3.1 | 1.6 | - | 4.6 |
| Straight/Cisgender | 7,060 | 5.8 | 5.0 | - | 6.5 | 7,038 | 6.6 | 5.7 | - | 7.4 |
| \* White, Black, Asian, and Other/Multi race categories refer to non-Hispanic/non-Latine. Due to small sample sizes, data on American Indian/Alaska Natives and Native Hawaiians/Other Pacific Islanders are included in other/multiracial  † Insufficient Data  ¶ See p 65 for the definition of disability  \*\*Sexual Orientation and Gender Identity | | | | | | | | | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Table 5.4.2 – Stroke Among Massachusetts Adults,**  **Ages 35 Years and Older**, 2022 | | | | | |
|  | Ever Diagnosed with Stroke  N % 95% CI | | | | |
| Overall | 8,231 | 3.6 | 3.0 | - | 4.2 |
| Sex |  |  |  |  |  |
| male | 3,847 | 3.5 | 2.6 | - | 4.3 |
| female | 4,384 | 3.8 | 2.9 | - | 4.6 |
| Age Group |  |  |  |  |  |
| 35–44 | † |  |  |  |  |
| 45–54 | 1,593 | 2.1 | 1.2 | - | 3.1 |
| 55–64 | 1,961 | 3.3 | 2.0 | - | 4.7 |
| 65–74 | 1,858 | 5.7 | 4.0 | - | 7.4 |
| 75 and older | 1,259 | 8.4 | 6.4 | - | 10.5 |
| Race-ethnicity\* |  |  |  |  |  |
| white | 6,278 | 3.6 | 2.9 | - | 4.2 |
| black | † |  |  |  |  |
| hispanic or Latine | 888 | 4.0 | 2.0 | - | 5.9 |
| asian | † |  |  |  |  |
| other & multiracial | † |  |  |  |  |
| Disability¶ |  |  |  |  |  |
| disability | 2,341 | 7.3 | 5.8 | - | 8.8 |
| no disability | 5,565 | 2.3 | 1.7 | - | 2.9 |
| Education |  |  |  |  |  |
| < high school | 474 | 6.6 | 3.6 | - | 9.7 |
| high school | 1,457 | 3.8 | 2.4 | - | 5.2 |
| college 1–3 yrs | 1,750 | 4.1 | 2.9 | - | 5.3 |
| college 4+ yrs | 4,513 | 2.7 | 2.0 | - | 3.3 |
| Household Income |  |  |  |  |  |
| <$25,000 | 740 | 8.5 | 5.7 | - | 11.3 |
| $25,000–49,999 | 1,266 | 4.3 | 2.8 | - | 5.8 |
| $50,000–74,999 | 930 | 3.0 | 1.7 | - | 4.3 |
| $75,000–99,999 | † |  |  |  |  |
| $100,000+ | 2,471 | 2.1 | 1.3 | - | 2.9 |
| SOGI\*\* |  |  |  |  |  |
| LGBT | † |  |  |  |  |
| Straight/Cisgender | 7,075 | 3.6 | 3.0 | - | 4.3 |
| \* White, Black, Asian, and Other/Multi race categories refer to non-Hispanic/non-Latine. Due to small sample sizes, data on American Indian/Alaska Natives and Native Hawaiians/Other Pacific Islanders are included in other/multiracial  † Insufficient Data  ¶ See p 65 for the definition of disability  \*\*Sexual Orientation and Gender Identity | | | | | |

**Section 5.5: Depression**

All respondents were asked if a doctor, nurse, or other health professional had ever told them they had a depressive disorder, including depression, major depression, dysthymia, or minor depression. Presented here is the percentage of adults who were ever told that they had a depressive disorder.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **TABLE 5.5 – Depression Among Massachusetts Adults**, 2022 | | | | | |
|  | Ever diagnosed with Depression  N % 95% CI | | | | |
| Overall | 10,934 | 21.6 | 20.5 | - | 22.7 |
| Sex |  |  |  |  |  |
| male | 5,269 | 15.9 | 14.4 | - | 17.3 |
| female | 5,665 | 26.9 | 25.2 | - | 28.5 |
| Age Group |  |  |  |  |  |
| 18–24 | 934 | 27.5 | 23.5 | - | 31.6 |
| 25–34 | 1,523 | 25.2 | 22.3 | - | 28.1 |
| 35–44 | 1,551 | 24.7 | 21.8 | - | 27.5 |
| 45–54 | 1,594 | 21.8 | 18.9 | - | 24.6 |
| 55–64 | 1,956 | 20.3 | 17.8 | - | 22.7 |
| 65–74 | 1,852 | 19.1 | 16.2 | - | 21.9 |
| 75 and older | 1,257 | 12.0 | 9.6 | - | 14.4 |
| Race-ethnicity\* |  |  |  |  |  |
| white | 7,729 | 22.8 | 21.5 | - | 24.1 |
| black | 654 | 14.2 | 10.7 | - | 17.6 |
| hispanic or Latine | 1,431 | 20.7 | 17.9 | - | 23.6 |
| asian | 535 | 14.7 | 10.3 | - | 19.1 |
| other & multiracial | 239 | 33.7 | 25.8 |  | 41.6 |
| Disability¶ |  |  |  |  |  |
| disability | 2,885 | 40.9 | 38.3 |  | 43.4 |
| no disability | 7,569 | 14.2 | 13.1 |  | 15.3 |
| Education |  |  |  |  |  |
| < high school | 617 | 26.3 | 21.6 | - | 31.1 |
| high school | 2,040 | 23.7 | 21.2 | - | 26.3 |
| college 1–3 yrs | 2,358 | 24.0 | 21.8 | - | 26.3 |
| college 4+ yrs | 5,849 | 18.0 | 16.6 | - | 19.3 |
| Household Income |  |  |  |  |  |
| <$25,000 | 983 | 34.9 | 30.7 | - | 39.2 |
| $25,000–49,999 | 1,698 | 25.5 | 22.6 | - | 28.4 |
| $50,000–74,999 | 1,233 | 22.6 | 19.5 | - | 25.6 |
| $75,000–99,999 | 1,069 | 20.3 | 17.2 | - | 23.4 |
| $100,000+ | 3,065 | 16.9 | 15.1 | - | 18.6 |
| SOGI\*\* |  |  |  |  |  |
| LGBT | 981 | 44.4 | 40.2 | - | 48.6 |
| Straight/Cisgender | 8,925 | 19.1 | 17.9 | - | 20.3 |
| \* White, Black, Asian, and Other/Multi race categories refer to non-Hispanic/non-Latine. Due to small sample sizes, data on American Indian/Alaska Natives and Native Hawaiians/Other Pacific Islanders are included in other/multiracial.  † Insufficient Data  ¶ See p 65 for the definition of disability  \*\*Sexual Orientation and Gender Identity | | | | | |

**Section 5.6: Cancer Diagnosis**

All respondents were asked if a doctor, nurse, or other health professional had ever told them they had skin cancer that was not melanoma and if they had ever been told they had melanoma or any other type of cancer. Presented is the percentage of adults who were ever told they had melanoma or any other type of cancer. **Please note that this is a different definition than prior years’ reports.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **TABLE 5.6 – Cancer Diagnosis Among Massachusetts Adults**, 2022 | | | | | |
|  | Ever diagnosed with Cancer  N % 95% CI | | | | |
| Overall | 10,959 | 8.3 | 7.7 | - | 9.0 |
| Sex |  |  |  |  |  |
| male | 5,276 | 6.6 | 5.8 | - | 7.4 |
| female | 5,683 | 9.9 | 8.8 | - | 10.9 |
| Age Group |  |  |  |  |  |
| 18–24 |  |  |  |  |  |
| 25–34 | 1,530 | 1.5 | 0.8 | - | 2.3 |
| 35–44 | 1,555 | 3.2 | 2.1 | - | 4.2 |
| 45–54 | 1,596 | 5.0 | 3.6 | - | 6.3 |
| 55–64 | 1,960 | 11.6 | 9.7 | - | 13.5 |
| 65–74 | 1,848 | 16.9 | 14.6 | - | 19.2 |
| 75 and older | 1,256 | 25.4 | 21.8 | - | 29.0 |
| Race-ethnicity\* |  |  |  |  |  |
| white | 7,731 | 10.5 | 9.6 | - | 11.3 |
| black | 658 | 5.7 | 2.6 | - | 8.9 |
| hispanic or Latine | 1,439 | 3.3 | 2.1 | - | 4.4 |
| asian |  |  |  |  |  |
| other & multiracial | 244 | 6.9 | 2.9 | - | 11.0 |
| Disability¶ |  |  |  |  |  |
| disability | 2,893 | 12.4 | 10.7 | - | 14.0 |
| no disability | 7,573 | 7.0 | 6.3 | - | 7.7 |
| Education |  |  |  |  |  |
| < high school | 619 | 5.0 | 2.5 | - | 7.5 |
| high school | 2,040 | 6.9 | 5.6 | - | 8.2 |
| college 1–3 yrs | 2,373 | 9.3 | 7.8 | - | 10.8 |
| college 4+ yrs | 5,855 | 9.5 | 8.5 | - | 10.4 |
| Household Income |  |  |  |  |  |
| <$25,000 | 984 | 8.1 | 5.9 | - | 10.3 |
| $25,000–49,999 | 1,699 | 10.8 | 8.5 | - | 13.1 |
| $50,000–74,999 | 1,232 | 8.7 | 6.7 | - | 10.7 |
| $75,000–99,999 | 1,076 | 8.5 | 6.5 | - | 10.5 |
| $100,000+ | 3,065 | 7.3 | 6.2 | - | 8.4 |
| SOGI\*\* |  |  |  |  |  |
| LGBT | 989 | 6.3 | 4.4 | - | 8.1 |
| Straight/Cisgender | 8,942 | 8.8 | 8.1 | - | 9.5 |
| \* White, Black, Asian, and Other/Multi race categories refer to non-Hispanic/non-Latine. Due to small sample sizes, data on American Indian/Alaska Natives and Native Hawaiians/Other Pacific Islanders are included in other/multiracial.  † Insufficient Data  ¶ See p 65 for the definition of disability  \*\*Sexual Orientation and Gender Identity | | | | | |

**.**

Section 6: Cancer Screening

**Section 6.1: Colorectal Cancer Screening**

Respondents, ages 45 and older, were asked about various methods of screening for colorectal cancer. Presented here is the percentage of adults ages 45-75 who have had a colonoscopy within the past ten years, or had a sigmoidoscopy within the past five years, or had a blood stool test within the past year, or had a stool DNA test within the past three years, or had a virtual colonoscopy within the past five years, or had a sigmoidoscopy within the past ten years and a blood stool test in the past year.

**Please note this is a different definition than prior years’ reports.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Table 6.1 – Colorectal Cancer Screening Among Adults  ages 45-75, 2022 | | | | | |
|  | Met Screening Recommendation for Colorectal Cancer  N % 95% CI | | | | |
| Overall | 5,168 | 71.5 | 69.7 | - | 73.2 |
| Sex |  |  |  |  |  |
| male | 2,423 | 70.5 | 67.8 | - | 73.2 |
| female | 2,745 | 72.3 | 70.0 | - | 74.6 |
| Age Group |  |  |  |  |  |
| 45-54 | 1,484 | 46.5 | 43.0 | - | 49.9 |
| 55-64 | 1,802 | 81.8 | 79.3 | - | 84.4 |
| 65-75 | 1,882 | 83.9 | 81.3 | - | 86.5 |
| Race-ethnicity\* |  |  |  |  |  |
| white | 4,093 | 75.7 | 73.9 | - | 77.4 |
| black | 262 | 65.8 | 58.0 | - | 73.6 |
| hispanic or Latine | 481 | 54.9 | 48.9 | - | 60.9 |
| asian | 106 | 63.5 | 51.1 | - | 75.9 |
| other & multiracial | 92 | 52.5 | 39.0 | - | 66.1 |
| Disability¶ |  |  |  |  |  |
| disability | 1,382 | 72.1 | 68.9 | - | 75.2 |
| no disability | 3,754 | 71.2 | 69.1 | - | 73.4 |
| Education |  |  |  |  |  |
| < high school | 256 | 46.9 | 39.0 | - | 54.7 |
| high school | 900 | 67.3 | 63.0 | - | 71.7 |
| college 1–3 yrs | 1,120 | 74.7 | 71.3 | - | 78.2 |
| college 4+ yrs | 2,876 | 75.8 | 73.5 | - | 78.1 |
| Household Income |  |  |  |  |  |
| <$25,000 | 455 | 57.8 | 51.3 | - | 64.3 |
| $25,000–49,999 | 782 | 68.2 | 63.8 | - | 72.7 |
| $50,000–74,999 | 602 | 75.4 | 70.6 | - | 80.3 |
| $75,000–99,999 | 556 | 77.9 | 73.2 | - | 82.6 |
| $100,000+ | 1,659 | 74.3 | 71.5 | - | 77.1 |
| SOGI\*\* |  |  |  |  |  |
| LGBT | 297 | 65.1 | 57.1 | -  - | 73.0 |
| Straight/Cisgender | 4,545 | 72.3 | 70.5 | - | 74.2 |
| \* White, Black, Asian, and Other/Multi race categories refer to non-Hispanic/non-Latine. Due to small sample sizes, data on American Indian/Alaska Natives and Native Hawaiians/Other Pacific Islanders are included in other/multiracial.  † Insufficient Data  ¶ See p 65 for the definition of disability  \*\*Sexual Orientation and Gender Identity | | | | | |

**Section 6.2: Breast Cancer Screening**

All female respondents were asked about breast cancer screening. Those women who reported that they had ever had a mammogram were asked how long it had been since their last mammogram. The percentage of women ages 50-74 in Massachusetts who reported that they had a mammogram in the past two years is presented in Table 6.2.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Table 6.2 – **Breast Cancer Screening among Massachusetts Women**  **ages 50 - 74**, 2022 | | | | | |
|  | Mammogram in Previous Two Years  N % 95% CI | | | | |
| Overall | 2,336 | 84.9 | 82.9 | - | 87.0 |
| Age Group |  |  |  |  |  |
| 50-59 | 886 | 84.6 | 81.6 | - | 87.6 |
| 60-69 | 1,009 | 86.4 | 83.3 | - | 89.4 |
| 70-74 | 441 | 82.2 | 76.3 | - | 88.1 |
| Race-ethnicity\* |  |  |  |  |  |
| white | 1,909 | 86.2 | 84.0 | - | 88.5 |
| black | 101 | 80.7 | 71.6 | - | 89.8 |
| hispanic or Latine | 198 | 80.9 | 73.8 | - | 88.1 |
| asian | † |  |  |  |  |
| other & multiracial | † |  |  |  |  |
| Disability¶ |  |  |  |  |  |
| disability | 682 | 81.1 | 77.1 | - | 85.0 |
| no disability | 1,638 | 86.7 | 84.2 | - | 89.1 |
| Education |  |  |  |  |  |
| < high school | 103 | 72.2 | 61.5 | - | 83.0 |
| high school | 378 | 82.7 | 77.0 | - | 88.4 |
| college 1–3 yrs | 541 | 86.4 | 82.9 | - | 89.9 |
| college 4+ yrs | 1,310 | 87.2 | 84.8 | - | 89.7 |
| Household Income |  |  |  |  |  |
| <$25,000 | 200 | 73.8 | 64.9 | - | 82.6 |
| $25,000–49,999 | 353 | 81.4 | 75.5 | - | 87.2 |
| $50,000–74,999 | 291 | 87.7 | 82.5 | - | 92.9 |
| $75,000–99,999 | 283 | 87.2 | 82.1 | - | 92.4 |
| $100,000+ | 612 | 89.2 | 86.0 | - | 92.3 |
| SOGI\*\* |  |  |  |  |  |
| LGBT | 124 | 81.9 | 73.2 | - | 90.7 |
| Straight/Cisgender | 2,074 | 85.6 | 83.4 | - | 87.7 |
| \* White, Black, Asian, and Other/Multi race categories refer to non-Hispanic/non-Latine. Due to small sample sizes, data on American Indian/Alaska Natives and Native Hawaiians/Other Pacific Islanders are included in other/multiracial.  † Insufficient Data  ¶ See p 65 for the definition of disability  \*\*Sexual Orientation and Gender Identity | | | | | |

**Section 6.3: Cervical Cancer Screening**

All female respondents were asked if they ever had had a Pap smear, a screening test for cancer of the cervix. Those who reported that they had had a Pap smear were then asked how long it had been since their last Pap smear. The percentage of women ages 21 – 65 without a hysterectomy who reported having had a Pap smear in the past 3 years is presented below.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Table 6.3 – Cervical Cancer Screening Among Massachusetts Women, 2022** | | | | | |
|  | Pap Smear Test within Past Three Years  N % 95% CI | | | | |
| Overall | 2,869 | 53.9 | 51.5 | - | 56.3 |
| Age Group |  |  |  |  |  |
| 21–24 | 251 | 26.1 | 19.8 | - | 32.3 |
| 25–34 | 571 | 45.0 | 39.9 | - | 50.1 |
| 35–44 | 622 | 56.7 | 51.7 | - | 61.7 |
| 45–54 | 622 | 61.6 | 56.7 | - | 66.6 |
| 55–65 | 803 | 65.6 | 61.2 | - | 70.0 |
| Race-ethnicity\* |  |  |  |  |  |
| white | 1,921 | 61.0 | 58.2 | - | 63.9 |
| black | 189 | 41.3 | 32.7 | - | 49.9 |
| hispanic or Latine | 472 | 35.1 | 29.6 | - | 40.6 |
| asian | 158 | 40.7 | 31.1 | - | 50.2 |
| other & multiracial | 68 | 53.7 | 39.1 |  | 68.3 |
| Disability¶ |  |  |  |  |  |
| disability | 652 | 47.9 | 42.8 | - | 53.0 |
| no disability | 2,191 | 55.8 | 53.0 | - | 58.5 |
| Education |  |  |  |  |  |
| < high school | 146 | 30.2 | 20.2 | - | 40.1 |
| high school | 396 | 42.8 | 36.3 | - | 49.2 |
| college 1–3 yrs | 607 | 54.1 | 49.1 | - | 59.1 |
| college 4+ yrs | 1,715 | 61.6 | 58.6 | - | 64.7 |
| Household Income |  |  |  |  |  |
| <$25,000 | 271 | 35.0 | 27.6 | - | 42.4 |
| $25,000–49,999 | 437 | 45.8 | 39.7 | - | 51.9 |
| $50,000–74,999 | 314 | 48.0 | 40.7 | - | 55.4 |
| $75,000–99,999 | 341 | 61.0 | 54.4 | - | 67.6 |
| $100,000+ | 939 | 66.4 | 62.4 | - | 70.4 |
| SOGI\*\* |  |  |  |  |  |
| LGBT | 368 | 43.0 | 36.7 | - | 49.4 |
| Straight/Cisgender | 2,261 | 56.9 | 54.1 | - | 59.6 |
| \* White, Black, Asian, and Other/Multi race categories refer to non-Hispanic/non-Latine. Due to small sample sizes, data on American Indian/Alaska Natives and Native Hawaiians/Other Pacific Islanders are included in other/multiracial.  † Insufficient Data  ¶ See p 65 for the definition of disability  \*\*Sexual Orientation and Gender Identity | | | | | |

Section 7: Other Topics

**Section 7.1: HIV Testing**

All respondents were asked if they had ever been tested for HIV. Respondents were told not to include times that HIV testing had been done as part of a blood donation. Respondents who reported that they had ever been tested for HIV were asked the date of their most recent HIV test. Presented here is the percentage of adults ages 18-64 who report ever having been tested for HIV and the percentage who had been tested in the past year.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table 7.1 – HIV Testing Among Massachusetts Adults, Ages 18-64,** 2022 | | | | | | | | | | |
|  | Ever Tested for HIV  N % 95% CI | | | | | Tested for HIV in Past Year  N % 95% CI | | | | |
|  |
|  |
| Overall | 6,629 | 42.9 | 41.3 | - | 44.5 | 5,663 | 10.3 | 9.3 | - | 11.3 |
| Sex |  |  |  |  |  |  |  |  |  |  |
| male | 3,298 | 40.3 | 38.0 | - | 42.6 | 2,850 | 9.7 | 8.4 | - | 11.0 |
| female | 3,331 | 45.4 | 43.2 | - | 47.7 | 2,813 | 10.9 | 9.4 | - | 12.4 |
| Age Group |  |  |  |  |  |  |  |  |  |  |
| 18–24 | 835 | 23.4 | 19.9 | - | 27.0 | 780 | 10.4 | 7.7 | - | 13.1 |
| 25–34 | 1,342 | 45.6 | 42.1 | - | 49.2 | 1,182 | 14.9 | 12.6 | - | 17.2 |
| 35–44 | 1,368 | 55.4 | 52.0 | - | 58.9 | 1,132 | 14.1 | 11.3 | - | 16.8 |
| 45–54 | 1,385 | 50.0 | 46.4 | - | 53.5 | 1,125 | 7.5 | 5.5 | - | 9.4 |
| 55–64 | 1,699 | 37.2 | 34.1 | - | 40.3 | 1,444 | 4.4 | 3.1 | - | 5.7 |
| Race-ethnicity\* |  |  |  |  |  |  |  |  |  |  |
| white | 4277 | 42.2 | 40.3 | - | 44.1 | 3,688 | 8.8 | 7.7 | - | 9.9 |
| black | 471 | 57.5 | 51.5 | - | 63.5 | 370 | 19.9 | 15.0 | - | 24.7 |
| hispanic or Latine | 1,139 | 46.3 | 42.4 | - | 50.2 | 948 | 14.7 | 11.7 | - | 17.8 |
| asian | 401 | 26.8 | 20.7 | - | 32.9 | 372 | 4.5 | 2.5 | - | 6.4 |
| other & multiracial | 168 | 52.9 | 43.3 |  | 62.5 | 138 | 13.5 | 6.4 |  | 20.6 |
| Disability¶ |  |  |  |  |  |  |  |  |  |  |
| disability | 1,525 | 50.3 | 46.8 | - | 53.7 | 1,222 | 13.2 | 10.5 | - | 15.8 |
| no disability | 5,044 | 40.5 | 38.7 | - | 42.3 | 4,392 | 9.4 | 8.4 | - | 10.5 |
| Education |  |  |  |  |  |  |  |  |  |  |
| < high school | 390 | 35.2 | 29.3 | - | 41.1 | 310 | 7.6 | 4.6 |  | 10.6 |
| high school | 1,230 | 39.9 | 36.3 | - | 43.4 | 1,046 | 11.2 | 8.8 | - | 13.6 |
| college 1–3 yrs | 1,437 | 45.3 | 42.0 | - | 48.6 | 1,219 | 12.4 | 10.0 | - | 14.8 |
| college 4+ yrs | 3,552 | 45.3 | 43.2 | - | 47.5 | 3,069 | 9.2 | 8.0 | - | 10.4 |
| Household Income |  |  |  |  |  |  |  |  |  |  |
| <$25,000 | 590 | 50.7 | 45.3 | - | 56.1 | 469 | 14.5 | 10.9 | - | 18.1 |
| $25,000–49,999 | 972 | 48.7 | 44.4 | - | 53.0 | 818 | 15.0 | 11.6 | - | 18.3 |
| $50,000–74,999 | 732 | 44.2 | 39.5 | - | 49.0 | 626 | 12.6 | 9.4 | - | 15.8 |
| $75,000–99,999 | 697 | 43.5 | 38.8 | - | 48.3 | 610 | 11.5 | 8.2 | - | 14.8 |
| $100,000+ | 2,226 | 45.4 | 42.7 | - | 48.1 | 1,929 | 7.8 | 6.4 | - | 9.2 |
| SOGI\*\* |  |  |  |  |  |  |  |  |  |  |
| LGBT | 766 | 51.0 | 46.3 | - | 55.7 | 660 | 23.9 | 19.6 | - | 28.2 |
| Straight/Cisgender | 5,225 | 42.6 | 40.8 | - | 44.4 | 4,430 | 8.2 | 7.2 | - | 9.2 |
| \* White, Black, Asian, and Other/Multi race categories refer to non-Hispanic/non-Latine. Due to small sample sizes, data on American Indian/Alaska Natives and Native Hawaiians/Other Pacific Islanders are included in other/multiracial.  † Insufficient Data  ¶ See p 65 for the definition of disability  \*\*Sexual Orientation and Gender Identity | | | | | | | | | | |

**Section 7.2: COVID Diagnosis and Symptoms**

All respondents were asked if they had ever tested positive for COVID, and if so, if they had any symptoms that lasted three months or longer which they did not have prior to contracting COVID. Presented here are the percent of adults who ever tested positive for COVID and the percent of those who tested positive who reported long-term symptoms.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table 7.2 – COVID Diagnosis and Symptoms Among Massachusetts Adults,** 2022 | | | | | | | | | | |
|  | Ever Tested Positive for COVID  N % 95% CI | | | | | Had Long-Term COVID Symptoms \*\*    N % 95% CI | | | | |
|  |
|  |
| Overall | 10,164 | 33.4 | 32.1 | - | 34.6 | 3,238 | 17.8 | 16.0 | - | 19.6 |
| Sex |  |  |  |  |  |  |  |  |  |  |
| male | 4,860 | 31.8 | 30.0 | - | 33.6 | 1,515 | 14.5 | 12.1 | - | 17.0 |
| female | 5,304 | 34.8 | 33.0 | - | 36.5 | 1,723 | 20.5 | 18.0 | - | 23.0 |
| Age Group |  |  |  |  |  |  |  |  |  |  |
| 18–24 | 871 | 40.8 | 36.5 | - | 45.2 | 367 | 10.1 | 6.5 | - | 13.7 |
| 25–34 | 1,403 | 39.8 | 36.5 | - | 43.1 | 576 | 18.9 | 14.6 | - | 23.3 |
| 35–44 | 1,430 | 38.4 | 35.1 | - | 41.7 | 541 | 19.6 | 15.2 | - | 24.0 |
| 45–54 | 1,446 | 36.2 | 32.8 | - | 39.6 | 513 | 21.0 | 16.3 | - | 25.7 |
| 55–64 | 1,831 | 32.5 | 29.6 | - | 35.3 | 568 | 20.8 | 16.1 | - | 25.4 |
| 65–74 | 1,764 | 22.9 | 20.1 | - | 25.7 | 409 | 16.0 | 11.1 | - | 21.0 |
| 75 and older | 1,205 | 19.5 | 15.9 | - | 23.0 | 207 | 14.7 | 8.0 | - | 21.4 |
| Race-ethnicity\* |  |  |  |  |  |  |  |  |  |  |
| white | 7,242 | 32.8 | 31.3 | - | 34.2 | 2,191 | 17.5 | 15.4 | - | 19.7 |
| black | 596 | 33.9 | 29.0 | - | 38.9 | 203 | 17.9 | 11.2 | - | 24.7 |
| hispanic or Latine | 1,338 | 41.4 | 37.9 | - | 45.0 | 550 | 24.1 | 19.1 | - | 29.1 |
| asian | 466 | 29.4 | 23.7 | - | 35.0 | † |  |  |  |  |
| other & multiracial | 226 | 32.6 | 24.9 | - | 40.4 | 80 | 17.0 | 7.0 | - | 27.0 |
| Disability¶ |  |  |  |  |  |  |  |  |  |  |
| disability | 2,814 | 32.4 | 30.0 | - | 34.9 | 847 | 24.8 | 21.1 | - | 28.6 |
| no disability | 7,250 | 33.7 | 32.2 | - | 35.2 | 2,360 | 15.3 | 13.3 | - | 17.3 |
| Education |  |  |  |  |  |  |  |  |  |  |
| < high school | 574 | 27.3 | 22.4 | - | 32.3 | 155 | 18.6 | 11.6 | - | 25.7 |
| high school | 1,893 | 33.1 | 30.2 | - | 36.0 | 591 | 20.7 | 16.4 | - | 25.0 |
| college 1–3 yrs | 2,206 | 34.9 | 32.3 | - | 37.5 | 731 | 20.2 | 16.5 | - | 23.8 |
| college 4+ yrs | 5,440 | 34.0 | 32.3 | - | 35.7 | 1,748 | 14.4 | 12.2 | - | 16.6 |
| Household Income |  |  |  |  |  |  |  |  |  |  |
| <$25,000 | 936 | 28.7 | 24.8 | - | 32.7 | 267 | 21.1 | 15.0 | - | 27.2 |
| $25,000–49,999 | 1,620 | 31.1 | 27.9 | - | 34.2 | 476 | 22.6 | 17.6 | - | 27.6 |
| $50,000–74,999 | 1,177 | 31.8 | 28.2 | - | 35.4 | 374 | 19.8 | 14.6 | - | 25.0 |
| $75,000–99,999 | 1,031 | 37.1 | 33.1 | - | 41.0 | 344 | 19.0 | 13.1 | - | 24.9 |
| $100,000+ | 2,931 | 38.8 | 36.5 | - | 41.2 | 1,082 | 14.4 | 11.6 | - | 17.3 |
| SOGI\*\* |  |  |  |  |  |  |  |  |  |  |
| LGBT | 925 | 33.1 | 29.2 | - | 37.1 | 302 | 19.0 | 13.3 | - | 24.7 |
| Straight/Cisgender | 8,326 | 33.2 | 31.8 | - | 34.6 | 2,621 | 17.6 | 15.7 | - | 19.6 |
| \* White, Black, Asian, and Other/Multi race categories refer to non-Hispanic/non-Latine. Due to small sample sizes, data on American Indian/Alaska Natives and Native Hawaiians/Other Pacific Islanders are included in other/multiracial.  † Insufficient Data  ¶ See p 65 for the definition of disability  \*\*Sexual Orientation and Gender Identity  \*\* Analysis conducted among those who reported ever having a positive test | | | | | | | | | | |

**Section 7.3: Sexual Violence**

Respondents were asked if they had experienced sexual violence at any time in their lifetime. Sexual violence was defined as having the sexual parts of the body touched without consent or attempted or completed sex without consent. Presented here are the percentages of men and women who reported that they had experienced sexual violence at some time in their lifetime.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table 7.3 – Sexual Violence Among Massachusetts Adults,** 2022 | | | | | | | | | | |
|  | Sexual Violence,  Women  N % 95% CI | | | | | Sexual Violence,  Men  N % 95% CI | | | | |
|  |
|  |
| Overall | 1,287 | 19.7 | 16.6 | - | 22.8 | 1,218 | 9.9 | 7.3 | - | 12.5 |
| Age Group |  |  |  |  |  |  |  |  |  |  |
| 18–24 | 92 | 31.7 | 20.4 | - | 42.9 | † |  |  |  |  |
| 25–34 | 154 | 21.8 | 14.4 | - | 29.3 | 171 | 15.0 | 6.8 |  | 23.2 |
| 35–44 | 183 | 21.5 | 13.4 | - | 29.6 | 172 | 13.5 | 6.4 |  | 20.6 |
| 45–54 | 184 | 20.4 | 13.3 | - | 27.5 | † |  |  |  |  |
| 55–64 | 243 | 22.5 | 14.0 | - | 31.0 | † |  |  |  |  |
| 65–74 | 264 | 9.7 | 5.1 | - | 14.3 | † |  |  |  |  |
| 75 and older | † |  |  |  |  |  |  |  |  |  |
| Race-ethnicity\* |  |  |  |  |  |  |  |  |  |  |
| white | 961 | 19.2 | 16.0 | - | 22.3 | 878 | 8.4 | 5.7 | - | 11.1 |
| black | † |  |  |  |  | † |  |  |  |  |
| hispanic or Latine | 158 | 12.0 | 6.5 | - | 17.5 | † |  |  |  |  |
| asian | † |  |  |  |  | † |  |  |  |  |
| other & multiracial | † |  |  |  |  | † |  |  |  |  |
| Disability¶ |  |  |  |  |  |  |  |  |  |  |
| disability | 368 | 33.0 | 26.1 | - | 39.8 | 322 | 18.4 | 11.8 | - | 25.0 |
| no disability | 909 | 14.1 | 11.0 | - | 17.3 | 882 | 6.6 | 4.1 | - | 9.0 |
| Education |  |  |  |  |  |  |  |  |  |  |
| < high school | † |  |  |  |  | † |  |  |  |  |
| high school | 187 | 23.4 | 14.3 | - | 32.5 | 224 | 10.0 | 4.4 | - | 15.6 |
| college 1–3 yrs | 280 | 22.6 | 16.5 | - | 28.8 | 289 | 11.9 | 6.3 | - | 17.5 |
| college 4+ yrs | 757 | 16.5 | 13.4 | - | 19.6 | 639 | 6.0 | 3.7 | - | 8.3 |
| Household Income |  |  |  |  |  |  |  |  |  |  |
| <$25,000 | 119 | 33.5 | 21.1 | - | 45.8 | 102 | 25.4 | 12.0 | - | 38.9 |
| $25,000–49,999 | 214 | 27.9 | 18.3 | - | 37.5 | 193 | 7.1 | 3.3 | - | 10.9 |
| $50,000–74,999 | 155 | 16.9 | 10.0 | - | 23.8 | 161 | 16.3 | 7.4 | - | 25.2 |
| $75,000–99,999 | 160 | 24.8 | 16.8 | - | 32.7 | † |  |  |  |  |
| $100,000+ | 381 | 16.9 | 12.5 | - | 21.3 | 425 | 6.7 | 2.9 | - | 10.5 |
| SOGI\*\* |  |  |  |  |  |  |  |  |  |  |
| LGBT | 156 | 39.3 | 29.4 | - | 49.2 | 107 | 29.1 | 16.8 | - | 41.5 |
| Straight/Cisgender | 1,098 | 16.5 | 13.3 | - | 19.7 | 1,085 | 7.6 | 5.1 | - | 10.0 |
| \* White, Black, Asian, and Other/Multi race categories refer to non-Hispanic/non-Latine. Due to small sample sizes, data on American Indian/Alaska Natives and Native Hawaiians/Other Pacific Islanders are included in other/multiracial.  † Insufficient Data  ¶ See p 65 for the definition of disability  \*\*Sexual Orientation and Gender Identity | | | | | | | | | | |

**Section 7.4: Intimate Partner Violence**

Respondents were asked if they ever experienced intimate partner violence. Intimate partner violence is defined as having an intimate partner do any of the following: monitor cell phone or computer use, call, text or instant-message multiple times a day to monitor whereabouts, prevent you from seeing or having contact with family members or friends, gotten angry if you were talking to someone else, or prevented you from going to work, school, or medical appointments, threatening or attempting physical or sexual violence, hit, slap, push, kick, or strangle you, throw something at you that could hurt you, force you into sexual activity, or physically or sexually hurt you in any other way, threaten you with a knife, gun, or other weapon, or threaten to kill you, themselves, or other people you care about in order to harm you, get revenge against you, stop you from leaving them or otherwise try to force you to do or not do something. Table 7.3 shows the percentages of men and women who reported that they had experienced intimate partner violence at some time in their lifetime.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Table 7.4 – Intimate Partner Violence Among Massachusetts Adults, 2022 | | | | | | | | | | |
|  | Intimate Partner Violence,  Women  N % 95% CI | | | | | Intimate Partner Violence,  Men  N % 95% CI | | | | |
|  |
|  |
| Overall | 1,321 | 17.8 | 15.0 | - | 20.5 | 1,257 | 17.1 | 14.3 | - | 19.8 |
| Age Group |  |  |  |  |  |  |  |  |  |  |
| 18–24 | 94 | 19.4 | 10.5 | - | 28.2 | 118 | 18.0 | 8.6 | - | 27.4 |
| 25–34 | 157 | 27.9 | 19.6 | - | 36.3 | 175 | 21.3 | 13.8 | - | 28.9 |
| 35–44 | 193 | 25.7 | 17.8 | - | 33.6 | 171 | 28.3 | 19.9 | - | 36.7 |
| 45–54 | 192 | 18.3 | 11.6 | - | 25.0 | 188 | 19.5 | 12.3 | - | 26.7 |
| 55–64 | 256 | 16.1 | 8.4 | - | 23.8 | 243 | 13.4 | 7.2 | - | 19.6 |
| 65–74 | 260 | 8.0 | 4.3 | - | 11.7 | 218 | 9.2 | 3.9 | - | 14.4 |
| 75 and older | † |  |  |  |  | † |  |  |  |  |
| Race-ethnicity\* |  |  |  |  |  |  |  |  |  |  |
| white | 984 | 16.3 | 13.4 | - | 19.2 | 910 | 15.0 | 12.1 | - | 18.0 |
| black | 71 | 20.0 | 8.3 | - | 31.8 | 79 | 27.0 | 14.5 | - | 39.5 |
| hispanic or Latine | 158 | 27.4 | 19.4 | - | 35.4 | 138 | 16.4 | 9.8 | - | 22.9 |
| asian | † |  |  |  |  | † |  |  |  |  |
| other & multiracial | † |  |  |  |  | † |  |  |  |  |
| Disability¶ |  |  |  |  |  |  |  |  |  |  |
| disability | 375 | 27.7 | 21.8 | - | 33.6 | 336 | 20.8 | 14.9 | - | 26.8 |
| no disability | 936 | 13.5 | 10.4 | - | 16.6 | 907 | 15.9 | 12.8 | - | 19.1 |
| Education |  |  |  |  |  |  |  |  |  |  |
| < high school | 52 | 24.5 | 11.0 | - | 38.0 | 55 | 33.6 | 18.4 | - | 48.8 |
| high school | 194 | 22.4 | 13.9 | - | 30.9 | 240 | 18.3 | 12.5 | - | 24.0 |
| college 1–3 yrs | 294 | 23.1 | 17.1 | - | 29.2 | 302 | 17.9 | 12.1 | - | 23.7 |
| college 4+ yrs | 779 | 11.9 | 9.4 | - | 14.4 | 655 | 13.0 | 9.8 | - | 16.2 |
| Household Income |  |  |  |  |  |  |  |  |  |  |
| <$25,000 | 124 | 34.6 | 22.9 | - | 46.3 | 100 | 23.7 | 12.3 | - | 35.2 |
| $25,000–49,999 | 223 | 23.6 | 15.9 | - | 31.3 | 202 | 20.5 | 13.4 | - | 27.6 |
| $50,000–74,999 | 155 | 23.8 | 15.3 | - | 32.2 | 173 | 24.2 | 15.3 | - | 33.1 |
| $75,000–99,999 | 167 | 19.8 | 12.7 | - | 26.9 | 114 | 13.9 | 6.9 | - | 21.0 |
| $100,000+ | 396 | 9.5 | 6.3 | - | 12.7 | 434 | 12.5 | 8.4 | - | 16.7 |
| SOGI\*\* |  |  |  |  |  |  |  |  |  |  |
| LGBT | 166 | 36.5 | 27.1 | - | 45.9 | 109 | 30.3 | 18.7 | - | 42.0 |
| Straight/Cisgender | 1,122 | 14.0 | 11.3 | - | 16.6 | 1,118 | 15.9 | 13.1 | - | 18.8 |
| \* White, Black, Asian, and Other/Multi race categories refer to non-Hispanic/non-Latine. Due to small sample sizes, data on American Indian/Alaska Natives and Native Hawaiians/Other Pacific Islanders are included in other/multiracial.  † Insufficient Data  ¶ See p 65 for the definition of disability  \*\*Sexual Orientation and Gender Identity | | | | | | | | | | |

**Section 7.5: Suicide**

Respondents were asked if during the previous twelve months, they had seriously considered attempting suicide. Those who responded ‘Yes’ were then asked if they had actually attempted suicide. Presented here is the percentage of adults who reported having seriously considered suicide in the previous year.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Table 7.5 - Suicidal Ideation Among Massachusetts Adults**, 2022 | | | | | |
|  | Seriously Considered Suicide in past year  N % 95% CI | | | | |
| Overall | 3,124 | 3.9 | 2.9 | - | 4.9 |
| Sex |  |  |  |  |  |
| male | 1,527 | 4.4 | 2.8 | - | 6.0 |
| female | 1,597 | 3.5 | 2.3 | - | 4.7 |
| Age Group |  |  |  |  |  |
| 18–24 | 246 | 7.1 | 3.4 | - | 10.8 |
| 25–34 | 393 | 5.1 | 2.8 | - | 7.4 |
| 35–44 | 438 | 6.1 | 2.9 | - | 9.4 |
| 45–54 | † |  |  |  |  |
| 55–64 | † |  |  |  |  |
| 65–74 | † |  |  |  |  |
| 75 and older | † |  |  |  |  |
| Race-ethnicity\* |  |  |  |  |  |
| white | 2,228 | 4.0 | 2.8 | - | 5.1 |
| black | † |  |  |  |  |
| hispanic or Latine | † |  |  |  |  |
| asian | † |  |  |  |  |
| other & multiracial | † |  |  |  |  |
| Disability¶ |  |  |  |  |  |
| disability | 873 | 9.5 | 6.7 | - | 12.3 |
| no disability | 2,217 | 1.5 | 0.8 | - | 2.3 |
| Education |  |  |  |  |  |
| < high school | † |  |  |  |  |
| high school | 553 | 7.3 | 4.4 | - | 10.2 |
| college 1–3 yrs | 701 | 4.3 | 2.1 | - | 6.6 |
| college 4+ yrs | 1,685 | 1.7 | 1.0 | - | 2.5 |
| Household Income |  |  |  |  |  |
| <$25,000 | † |  |  |  |  |
| $25,000–49,999 | 509 | 6.8 | 3.7 | - | 9.9 |
| $50,000–74,999 | † |  |  |  |  |
| $75,000–99,999 | † |  |  |  |  |
| $100,000+ | † |  |  |  |  |
| SOGI\*\* |  |  |  |  |  |
| LGBT | 300 | 13.4 | 8.5 | - | 18.3 |
| Straight/Cisgender | 2,722 | 2.4 | 1.6 | - | 3.2 |
| \* White, Black, Asian, and Other/Multi race categories refer to non-Hispanic/non-Latine. Due to small sample sizes, data on American Indian/Alaska Natives and Native Hawaiians/Other Pacific Islanders are included in other/multiracial.  † Insufficient Data  ¶ See p 65 for the definition of disability  \*\*Sexual Orientation and Gender Identity | | | | | |

**Section 7.6: Family Planning**

All women ages 18-49 who had not had a hysterectomy and were not currently pregnant were asked whether they or their partners currently use some form of birth control. Presented below is the percentage of females who 1) were ages 18-49, 2) were sexually active with a male partner, 3) were not actively attempting to become pregnant, 4) had not had a tubal ligation and 5) whose partner had not had a vasectomy, who reported that they or their partner use some form of birth control. The denominator here is people who could currently become pregnant but are not actively trying to get pregnant. **Please note that this is a different definition than prior years’ reports.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Table 7.6 – Family Planning Among Massachusetts Women, Ages 18-49, 2022 | | | | | |
|  | Use Birth Control  N % 95% CI | | | | |
|  |
|  |
| Overall | 405 | 63.2 | 56.7 | - | 69.6 |
| Age Group |  |  |  |  |  |
| 18–24 | 81 | 72.7 | 59.6 | - | 85.8 |
| 25–34 | 139 | 65.0 | 54.2 | - | 75.7 |
| 35–44 | 119 | 58.6 | 45.7 | - | 71.4 |
| 45-49 | 66 | 51.3 | 36.5 | - | 66.1 |
| Race-ethnicity\* |  |  |  |  |  |
| white | 246 | 65.1 | 57.6 | - | 72.7 |
| black | † |  |  |  |  |
| hispanic or Latine | 69 | 66.8 | 50.8 | - | 82.8 |
| asian | † |  |  |  |  |
| other & multiracial | † |  |  |  |  |
| Disability¶ |  |  |  |  |  |
| disability | 77 | 56.2 | 38.7 | - | 73.8 |
| no disability | 322 | 64.8 | 58.2 | - | 71.4 |
| Education |  |  |  |  |  |
| < high school | † |  |  |  |  |
| high school | 67 | 59.3 | 42.9 | - | 75.8 |
| college 1–3 yrs | 88 | 58.0 | 44.3 | - | 71.6 |
| college 4+ yrs | 235 | 70.4 | 63.2 | - | 77.5 |
| Household Income |  |  |  |  |  |
| <$25,000 | † |  |  |  |  |
| $25,000–49,999 | 66 | 55.7 | 38.1 | - | 73.3 |
| $50,000–74,999 | † |  |  | - |  |
| $75,000–99,999 | † |  |  |  |  |
| $100,000+ | 125 | 70.6 | 60.2 | - | 80.9 |
| \* White, Black, Asian, and Other/Multi race categories refer to non-Hispanic/non-Latine. Due to small sample sizes, data on American Indian/Alaska Natives and Native Hawaiians/Other Pacific Islanders are included in other/multiracial  † Insufficient Data  ¶ See p 65 for the definition of disability | | | | | |

**Section 7.7: Opioid and Marijuana Use**

Respondents were asked if they were ever prescribed pain killers (e.g., Vicodin, Darvon, Percocet, Codeine, or OxyContin) or medical marijuana by a doctor or other health professional. They were also asked if they had “non-medical” use of prescription pain killers, and if so, if this use was in the previous year. “Non-medical” drug use was defined for respondents as using it six or more times to get high or experience pleasurable effects, see what the effects are like, or take with friends. Presented here are the percentages of adults who report that they have ever been prescribed an opiate and the percent who report non-medical use of these drugs in the previous year.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table 7.7.1 – Prescription Opioid Use Among Massachusetts Adults,** 2022 | | | | | | | | | | |
|  | Ever Prescribed Opioid  N % 95% CI | | | | | Non-medical Use of Opioid in past year  N % 95% CI | | | | |
|  |
|  |
| Overall | 3,113 | 36.7 | 34.5 | - | 38.9 | 3,129 | 1.3 | 0.7 | - | 1.9 |
| Sex |  |  |  |  |  |  |  |  |  |  |
| male | 1,428 | 37.6 | 34.3 | - | 40.8 | † |  |  |  |  |
| female | 1,685 | 35.9 | 32.9 | - | 38.8 | † |  |  |  |  |
| Age Group |  |  |  |  |  |  |  |  |  |  |
| 18–24 | 231 | 11.4 | 7.1 | - | 15.7 | † |  |  |  |  |
| 25–34 | 404 | 32.4 | 26.6 | - | 38.1 | † |  |  |  |  |
| 35–44 | 445 | 31.9 | 26.8 | - | 37.1 | † |  |  |  |  |
| 45–54 | 458 | 40.8 | 35.1 | - | 46.4 | † |  |  |  |  |
| 55–64 | 540 | 49.9 | 44.3 | - | 55.5 | † |  |  |  |  |
| 65–74 | 563 | 49.5 | 44.0 | - | 55.1 | † |  |  |  |  |
| 75 and older | 403 | 39.8 | 32.5 | - | 47.0 | † |  |  |  |  |
| Race-ethnicity\* |  |  |  |  |  |  |  |  |  |  |
| white | 2,223 | 43.0 | 40.3 | - | 45.6 | † |  |  |  |  |
| black | 183 | 29.0 | 21.0 | - | 37.1 | † |  |  |  |  |
| hispanic or Latine | 409 | 17.4 | 13.5 | - | 21.4 | † |  |  |  |  |
| asian | 143 | 17.6 | 9.2 | - | 25.9 | † |  |  |  |  |
| other & multiracial | 65 | 34.0 | 20.8 |  | 47.3 | † |  |  |  |  |
| Disability¶ |  |  |  |  |  |  |  |  |  |  |
| disability | 873 | 45.0 | 40.6 | - | 49.4 | 875 | 2.5 | 1.1 | - | 3.8 |
| no disability | 2,220 | 33.8 | 31.3 | - | 36.4 | † |  |  |  |  |
| Education |  |  |  |  |  |  |  |  |  |  |
| < high school | 182 | 19.2 | 11.8 | - | 26.7 | † |  |  |  |  |
| high school | 586 | 32.1 | 27.2 | - | 37.0 | † |  |  |  |  |
| college 1–3 yrs | 694 | 41.4 | 36.8 | - | 46.1 | † |  |  |  |  |
| college 4+ yrs | 1,637 | 40.3 | 37.4 | - | 43.3 | † |  |  |  |  |
| Household Income |  |  |  |  |  |  |  |  |  |  |
| <$25,000 | 296 | 29.7 | 22.7 | - | 36.7 | † |  |  |  |  |
| $25,000–49,999 | 470 | 37.5 | 31.5 | - | 43.6 | † |  |  |  |  |
| $50,000–74,999 | 354 | 39.3 | 32.7 | - | 46.0 | † |  |  |  |  |
| $75,000–99,999 | 332 | 40.5 | 33.5 | - | 47.5 | † |  |  |  |  |
| $100,000+ | 908 | 43.8 | 39.7 | - | 48.0 | † |  |  |  |  |
| SOGI\*\* |  |  |  |  |  |  |  |  |  |  |
| LGBT | 292 | 36.7 | 29.8 | - | 43.6 | † |  |  |  |  |
| Straight/Cisgender | 2,700 | 37.6 | 35.2 | - | 40.0 | 2,722 | 1.3 | 0.6 | - | 2.0 |
| \* White, Black, Asian, and Other/Multi race categories refer to non-Hispanic/non-Latine. Due to small sample sizes, data on American Indian/Alaska Natives and Native Hawaiians/Other Pacific Islanders are included in other/multiracial  † Insufficient Data  ¶ See p 65 for the definition of disability  \*\*Sexual Orientation and Gender Identity | | | | | | | | | | |

Respondents were also asked on how many of the previous 30 days they used marijuana or cannabis (excluding hemp-based or CBD-only products). Presented here is the percent of adults who reported any marijuana use in the previous month.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Table 7.7.2 – Marijuana or Cannabis Use Among Massachusetts Adults**, 2022 | | | | | |
|  | Used marijuana or cannabis in past month  N % 95% CI | | | | |
| Overall | 3,019 | 18.8 | 16.8 | - | 20.7 |
| Sex |  |  |  |  |  |
| male | 1,436 | 22.5 | 19.5 | - | 25.6 |
| female | 1,583 | 15.5 | 13.0 | - | 18.0 |
| Age Group |  |  |  |  |  |
| 18–24 | 250 | 37.9 | 29.8 |  | 46.0 |
| 25–34 | 387 | 29.4 | 23.1 | - | 35.7 |
| 35–44 | 427 | 24.3 | 18.9 | - | 29.7 |
| 45–54 | 430 | 12.7 | 9.0 | - | 16.4 |
| 55–64 | 580 | 14.4 | 10.8 | - | 17.9 |
| 65–74 | 497 | 9.2 | 6.0 | - | 12.4 |
| 75 and older | 381 | 4.0 | 1.9 | - | 6.1 |
| Race-ethnicity\* |  |  |  |  |  |
| white | 2,176 | 19.6 | 17.3 | - | 21.9 |
| black | 187 | 27.2 | 19.3 | - | 35.1 |
| hispanic or Latine | 389 | 16.5 | 12.1 | - | 21.0 |
| asian | † |  |  |  |  |
| other & multiracial | 53 | 25.0 | 10.3 | - | 39.6 |
| Disability¶ |  |  |  |  |  |
| disability | 835 | 23.1 | 18.7 | - | 27.5 |
| no disability | 2,150 | 17.0 | 14.9 | - | 19.0 |
| Education |  |  |  |  |  |
| < high school | 163 | 17.5 | 9.7 | - | 25.4 |
| high school | 591 | 20.5 | 16.2 | - | 24.8 |
| college 1–3 yrs | 638 | 23.6 | 19.0 | - | 28.3 |
| college 4+ yrs | 1,609 | 15.4 | 13.1 | - | 17.7 |
| Household Income |  |  |  |  |  |
| <$25,000 | 272 | 22.0 | 14.5 | - | 29.5 |
| $25,000–49,999 | 510 | 24.5 | 18.6 | - | 30.4 |
| $50,000–74,999 | 333 | 21.7 | 15.6 | - | 27.9 |
| $75,000–99,999 | 298 | 19.4 | 13.7 | - | 25.0 |
| $100,000+ | 855 | 17.8 | 14.2 | - | 21.3 |
| SOGI\*\* |  |  |  |  |  |
| LGBT | 313 | 34.5 | 26.6 | - | 42.5 |
| Straight/Cisgender | 2,618 | 16.9 | 14.9 | - | 18.8 |
| \* White, Black, Asian, and Other/Multi race categories refer to non-Hispanic/non-Latine. Due to small sample sizes, data on American Indian/Alaska Natives and Native Hawaiians/Other Pacific Islanders are included in other/multiracial  † Insufficient Data  ¶ See p 65 for the definition of disability  \*\*Sexual Orientation and Gender Identity | | | | | |

Appendix

**Age-Adjusted Percentages For Selected Topics**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Massachusetts Behavioral Risk Factor Surveillance System, 2022** | | | | | | | | | | | | | | | | | | | | |
|  | Fair or Poor Health | | | | Poor Mental Health | | | | Poor Physical Health | | | | No Health Insurance (Ages 18-64) | | | | Personal Doctor | | | |
|  | % | 95% CI | | | % | 95% CI | | | % | 95% CI | | | % | 95% CI | | | % | 95% CI | | |
| Overall | 13.1 | 12.2 | - | 14.1 | 14.2 | 13.2 | - | 15.3 | 8.9 | 8.1 | - | 9.7 | 2.7 | 2.1 | - | 3.3 | 91.6 | 90.8 | - | 92.4 |
| Sex |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| male | 12.3 | 11.0 | - | 13.6 | 11.5 | 10.2 | - | 12.8 | 8.2 | 7.1 | - | 9.3 | 4.0 | 3.0 | - | 4.9 | 88.5 | 87.3 | - | 89.7 |
| female | 14.3 | 13.0 | - | 15.6 | 16.9 | 15.5 | - | 18.4 | 9.6 | 8.6 | - | 10.7 | 1.9 | 1.3 | - | 2.6 | 92.8 | 91.7 | - | 93.8 |
| Race-ethnicity\* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| white | 11.2 | 10.2 | - | 12.3 | 15.0 | 13.8 | - | 16.3 | 8.6 | 7.7 | - | 9.5 | 1.8 | 1.3 | - | 2.4 | 93.4 | 92.5 | - | 94.3 |
| black | 14.1 | 10.6 | - | 17.6 | 13.3 | 10.3 | - | 16.3 | 8.6 | 5.3 | - | 11.9 | 4.6 | 2.1 | - | 7.2 | 89.2 | 86.1 | - | 92.2 |
| hispanic or Latine | 28.5 | 25.3 | - | 31.8 | 16.5 | 13.7 | - | 19.3 | 14.7 | 11.8 | - | 17.5 | 7.2 | 5.1 | - | 9.3 | 80.0 | 77.3 | - | 82.8 |
| asian | 11.4 | 6.0 | - | 16.9 | 6.5 | 3.3 |  | 9.7 | † |  |  |  | † |  |  |  | 90.8 | 88.7 | - | 93.0 |
| other & multiracial | 18.8 | 12.5 | - | 25.0 | 20.4 | 14.2 |  | 26.7 | 10.4 | 5.8 | - | 14.9 | † |  |  |  | 91.1 | 87.0 |  | 95.2 |
| Disability¶ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| disability | 31.9 | 29.3 | - | 34.5 | 34.6 | 31.8 | - | 37.5 | 22.9 | 20.7 | - | 25.1 | 3.3 | 2.0 | - | 4.7 | 90.4 | 88.7 | - | 92.0 |
| no disability | 6.4 | 5.6 | - | 7.2 | 7.8 | 6.9 | - | 8.6 | 4.0 | 3.3 | - | 4.7 | 2.8 | 2.2 | - | 3.5 | 90.7 | 89.7 | - | 91.7 |
| Education |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| < high school | 32.3 | 27.8 | - | 36.8 | 20.0 | 15.6 | - | 24.4 | 20.5 | 15.9 | - | 25.0 | 8.6 | 5.2 | - | 12.0 | 76.0 | 71.6 | - | 80.4 |
| high school | 15.6 | 13.6 | - | 17.6 | 16.4 | 14.2 | - | 18.6 | 11.0 | 9.2 | - | 12.8 | 4.5 | 3.1 | - | 6.0 | 89.2 | 87.4 | - | 91.0 |
| college 1–3 yrs | 13.4 | 11.5 | - | 15.3 | 17.3 | 15.1 | - | 19.5 | 9.3 | 7.9 | - | 10.7 | 2.7 | 1.6 | - | 3.8 | 92.9 | 91.5 | - | 94.4 |
| college 4+ yrs | 7.6 | 6.5 | - | 8.6 | 10.3 | 9.2 | - | 11.4 | 5.5 | 4.7 | - | 6.3 | 1.1 | 0.7 | - | 1.6 | 93.1 | 92.2 | - | 94.0 |
| Household Income |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <$25,000 | 31.3 | 27.5 | - | 35.2 | 25.9 | 21.9 | - | 29.9 | 20.5 | 17.1 | - | 23.8 | 6.3 | 3.3 | - | 9.2 | 84.9 | 81.6 | - | 88.3 |
| $25,000–49,999 | 20.3 | 17.4 | - | 23.2 | 20.9 | 17.8 | - | 24.0 | 13.3 | 11.1 | - | 15.6 | 5.3 | 3.2 | - | 7.3 | 89.0 | 86.8 | - | 91.1 |
| $50,000–74,999 | 9.0 | 6.9 | - | 11.1 | 13.7 | 10.9 | - | 16.5 | 6.9 | 4.9 | - | 8.9 | 1.3 | 0.6 | - | 1.9 | 91.0 | 88.5 | - | 93.6 |
| $75,000–99,999 | 10.4 | 7.6 | - | 13.2 | 13.9 | 10.9 | - | 16.9 | 6.3 | 4.3 | - | 8.4 | † |  |  |  | 94.2 | 92.2 | - | 96.1 |
| $100,000+ | 5.3 | 4.1 | - | 6.4 | 8.9 | 7.4 | - | 10.5 | 4.6 | 3.6 | - | 5.7 | 1.2 | 0.5 | - | 1.8 | 94.4 | 93.2 | - | 95.6 |
| SOGI\*\* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| LGBT | 18.9 | 15.4 | - | 22.4 | 25.3 | 21.9 | - | 28.7 | 11.8 | 9.2 | - | 14.4 | † |  |  |  | 90.8 | 88.1 | - | 93.5 |
| Straight/Cisgender | 12.0 | 11.1 | - | 13.0 | 12.1 | 11.1 | - | 13.2 | 8.3 | 7.5 | - | 9.1 | 2.8 | 2.2 | - | 3.5 | 91.4 | 90.5 | - | 92.3 |
| \* White, Black, Asian, and Other/Multi race categories refer to non-Hispanic/non-Latine. Due to small sample sizes, data on American Indian/Alaska Natives and Native Hawaiians/Other Pacific Islanders are included in other/multiracial  † Insufficient Data  ¶ See p 65 for the definition of disability  \*\*Sexual Orientation and Gender Identity | | | | | | | | | | | | | | | | | | | | |

**Age-Adjusted Percentages for Selected Topics (continued)**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Massachusetts Behavioral Risk Factor Surveillance System, 2022** | | | | | | | | | | | | | | | | | | | | |
|  | Checkup in Past Year | | | | No Doctor due to Cost | | | | Dental Visit in Past Year | | | | Six or More Teeth Missing | | | | Current Smoker | | | |
|  | % | 95% CI | | | % | 95% CI | | | % | 95% CI | | | % | 95% CI | | | % | 95% CI | | |
| Overall | 79.6 | 78.5 | - | 80.8 | 7.5 | 6.7 | - | 8.4 | 72.9 | 71.6 | - | 74.2 | 9.8 | 9.0 | - | 10.5 | 10.9 | 9.9 | - | 11.9 |
| Sex |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| male | 76.0 | 74.3 | - | 77.7 | 7.4 | 6.3 | - | 8.6 | 68.3 | 66.5 | - | 70.2 | 9.8 | 8.8 | - | 10.8 | 12.2 | 10.8 | - | 13.6 |
| female | 82.7 | 81.3 | - | 84.1 | 8.0 | 6.9 | - | 9.1 | 76.6 | 75.1 | - | 78.2 | 9.6 | 8.7 | - | 10.6 | 9.6 | 8.4 | - | 10.8 |
| Race-ethnicity\* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| white | 79.6 | 78.2 | - | 81.0 | 7.1 | 6.1 | - | 8.0 | 75.0 | 73.6 | - | 76.5 | 9.1 | 8.4 | - | 9.9 | 11.4 | 10.2 | - | 12.6 |
| black | 82.0 | 77.6 | - | 86.3 | 6.6 | 4.5 | - | 8.7 | 66.7 | 61.4 | - | 71.9 | 12.6 | 9.7 | - | 15.6 | 9.6 | 6.2 | - | 12.9 |
| hispanic or Latine | 80.5 | 77.7 | - | 83.3 | 12.8 | 10.5 | - | 15.0 | 66.5 | 63.1 | - | 69.9 | 14.9 | 12.2 | - | 17.6 | 8.6 | 6.5 | - | 10.7 |
| asian | 76.9 | 71.8 | - | 82.0 | 5.0 | 2.4 | - | 7.6 | 73.1 | 67.6 | - | 78.7 | † |  |  |  | † |  |  |  |
| other & multiracial | 76.2 | 69.6 |  | 82.7 | 10.5 | 5.5 | - | 15.6 | 64.3 | 56.8 | - | 71.9 | 13.5 | 8.6 | - | 18.4 | 22.6 | 15.7 | - | 29.6 |
| Disability¶ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| disability | 80.0 | 77.6 | - | 82.3 | 14.7 | 12.5 | - | 16.9 | 63.4 | 60.6 | - | 66.2 | 17.8 | 15.9 | - | 19.7 | 18.4 | 16.0 | - | 20.9 |
| no disability | 78.8 | 77.5 | - | 80.2 | 5.4 | 4.6 | - | 6.3 | 75.7 | 74.4 | - | 77.1 | 6.6 | 5.9 | - | 7.3 | 8.4 | 7.4 | - | 9.4 |
| Education |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| < high school | 74.4 | 69.6 | - | 79.2 | 15.7 | 12.1 | - | 19.3 | 55.4 | 50.0 | - | 60.7 | 22.6 | 18.7 | - | 26.4 | 22.7 | 17.9 | - | 27.4 |
| high school | 79.9 | 77.4 | - | 82.4 | 9.7 | 7.7 | - | 11.7 | 63.0 | 59.9 | - | 66.1 | 14.6 | 12.9 | - | 16.4 | 16.8 | 14.4 | - | 19.3 |
| college 1–3 yrs | 78.8 | 76.5 | - | 81.1 | 8.8 | 7.1 | - | 10.6 | 72.5 | 70.1 | - | 74.9 | 10.4 | 9.0 | - | 11.9 | 13.8 | 11.8 | - | 15.9 |
| college 4+ yrs | 79.8 | 78.3 | - | 81.3 | 4.3 | 3.6 | - | 5.0 | 80.5 | 79.1 | - | 81.9 | 4.2 | 3.6 | - | 4.8 | 4.2 | 3.3 | - | 5.1 |
| Household Income |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <$25,000 | 76.5 | 72.5 | - | 80.6 | 17.3 | 13.3 | - | 21.2 | 55.5 | 50.8 | - | 60.1 | 19.6 | 16.6 | - | 22.6 | 19.9 | 16.2 | - | 23.6 |
| $25,000–49,999 | 77.4 | 74.2 | - | 80.7 | 14.6 | 11.7 | - | 17.4 | 61.1 | 57.7 | - | 64.6 | 17.0 | 14.5 | - | 19.5 | 17.5 | 14.6 | - | 20.4 |
| $50,000–74,999 | 78.1 | 74.7 | - | 81.6 | 8.6 | 6.2 | - | 11.1 | 68.3 | 64.5 | - | 72.1 | 10.1 | 7.9 | - | 12.3 | 13.3 | 10.3 | - | 16.2 |
| $75,000–99,999 | 81.6 | 78.5 | - | 84.7 | 7.2 | 4.9 | - | 9.6 | 75.7 | 72.1 | - | 79.4 | 6.7 | 5.1 | - | 8.4 | 10.2 | 7.3 | - | 13.2 |
| $100,000+ | 80.6 | 78.6 | - | 82.5 | 2.9 | 2.0 | - | 3.9 | 82.9 | 80.9 | - | 84.9 | 4.7 | 3.7 | - | 5.8 | 5.3 | 4.0 | - | 6.7 |
| SOGI\*\* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| LGBT | 79.2 | 75.9 | - | 82.6 | 12.8 | 10.0 | - | 15.5 | 67.9 | 63.9 | - | 71.9 | 13.0 | 9.8 | - | 16.2 | 12.8 | 9.9 | - | 15.7 |
| Straight/Cisgender | 79.8 | 78.5 | - | 80.8 | 6.6 | 5.7 | - | 7.5 | 73.6 | 72.2 | - | 74.9 | 9.5 | 8.7 | - | 10.2 | 10.7 | 9.6 | - | 11.7 |
| \* White, Black, Asian, and Other/Multi race categories refer to non-Hispanic/non-Latine. Due to small sample sizes, data on American Indian/Alaska Natives and Native Hawaiians/Other Pacific Islanders are included in other/multiracial.  † Insufficient Data  ¶ See p 65 for the definition of disability  \*\*Sexual Orientation and Gender Identity | | | | | | | | | | | | | | | | | | | | |

**Age-Adjusted Percentages for Selected Topics (continued)**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Massachusetts Behavioral Risk Factor Surveillance System, 2022** | | | | | | | | | | | | | | | | | | | | |
|  | Former Smoker | | | | Use Smokeless Tobacco | | | | Use E-cigarettes | | | | Quit Attempt | | | | Binge Drinking | | | |
|  | % | 95% CI | | | % | 95% CI | | | % | 95% CI | | | % | 95% CI | | | % | 95% CI | | |
| Overall | 22.4 | 21.2 | - | 23.6 | 2.2 | 1.7 | - | 2.7 | 6.3 | 5.5 | - | 7.0 | 52.5 | 51.5 | - | 53.6 | 17.9 | 16.8 | - | 19.0 |
| Sex |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| male | 23.8 | 22.1 | - | 25.4 | 3.2 | 2.4 | - | 4.0 | 7.5 | 6.3 | - | 8.6 | 51.1 | 50.2 | - | 52.0 | 22.0 | 20.3 | - | 23.6 |
| female | 20.2 | 18.7 | - | 21.6 | 1.2 | 0.8 | - | 1.6 | 4.9 | 4.1 | - | 5.7 | 54.7 | 53.3 | - | 56.1 | 15.7 | 14.3 | - | 17.1 |
| Race-ethnicity\* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| white | 24.6 | 23.3 | - | 26.0 | 2.1 | 1.5 | - | 2.7 | 7.0 | 6.0 | - | 8.0 | 51.3 | 50.0 | - | 52.6 | 21.0 | 19.6 | - | 22.4 |
| black | 14.7 | 10.9 | - | 18.6 | † |  |  |  | 5.9 | 3.0 | - | 8.7 | † |  |  |  | 15.3 | 11.7 | - | 18.8 |
| hispanic or Latine | 17.0 | 14.0 | - | 20.0 | 2.3 | 1.3 | - | 3.4 | 5.3 | 3.8 | - | 6.8 | 65.0 | 65.0 | - | 65.0 | 20.2 | 17.3 | - | 23.1 |
| asian | 12.2 | 7.3 | - | 17.1 | † |  |  |  | 3.5 | 1.9 | - | 5.0 | 57.9 | 57.9 | - | 57.9 | 8.3 | 4.3 | - | 12.4 |
| other & multiracial | 20.8 | 14.2 |  | 27.4 | † |  |  |  | 6.6 | 3.2 | - | 10.0 | 43.6 | 42.0 | - | 45.1 | 18.1 | 12.1 |  | 24.1 |
| Disability¶ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| disability | 27.2 | 24.7 | - | 29.6 | 3.2 | 1.9 | - | 4.5 | 10.5 | 8.6 | - | 12.4 | 53.6 | 52.0 | - | 55.1 | 16.7 | 14.5 | - | 18.8 |
| no disability | 20.0 | 18.8 | - | 21.2 | 1.8 | 1.4 | - | 2.2 | 4.8 | 4.1 | - | 5.6 | 53.3 | 52.5 | - | 54.0 | 19.3 | 18.0 | - | 20.5 |
| Education |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| < high school | 17.4 | 13.2 | - | 21.7 | 6.5 | 3.1 | - | 10.0 | 9.8 | 6.2 | - | 13.5 | 40.8 | 38.9 |  | 42.6 | 24.6 | 19.8 | - | 29.5 |
| high school | 25.6 | 22.9 | - | 28.3 | 2.0 | 1.2 | - | 2.8 | 8.5 | 6.8 | - | 10.2 | 56.9 | 54.9 | - | 58.8 | 16.8 | 14.4 | - | 19.3 |
| college 1–3 yrs | 26.0 | 23.7 | - | 28.4 | 1.9 | 1.2 | - | 2.6 | 6.7 | 5.3 | - | 8.2 | 59.6 | 58.5 | - | 60.7 | 18.4 | 16.2 | - | 20.6 |
| college 4+ yrs | 18.9 | 17.5 | - | 20.2 | 1.6 | 0.9 | - | 2.2 | 3.8 | 3.0 | - | 4.6 | 48.8 | 48.4 | - | 49.3 | 20.0 | 18.4 | - | 21.5 |
| Household Income |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <$25,000 | 22.2 | 18.5 | - | 25.8 | † |  |  |  | 8.1 | 5.5 | - | 10.7 | 49.2 | 48.1 | - | 50.3 | 12.9 | 9.9 | - | 15.8 |
| $25,000–49,999 | 22.4 | 19.4 | - | 25.3 | 2.9 | 1.7 | - | 4.1 | 8.0 | 6.3 | - | 9.7 | 50.4 | 49.0 | - | 51.9 | 14.0 | 11.5 | - | 16.6 |
| $50,000–74,999 | 24.4 | 21.2 | - | 27.6 | † |  |  |  | 6.1 | 4.0 | - | 8.2 | 44.9 | 42.4 | - | 47.4 | 20.9 | 17.7 | - | 24.1 |
| $75,000–99,999 | 23.8 | 20.5 | - | 27.1 | 1.6 | 0.7 | - | 2.6 | 7.2 | 4.7 | - | 9.7 | 48.8 | 47.0 | - | 50.6 | 17.9 | 15.0 | - | 20.9 |
| $100,000+ | 22.0 | 20.1 | - | 23.9 | 1.9 | 1.1 | - | 2.7 | 5.7 | 4.3 | - | 7.2 | 49.3 | 49.0 | - | 49.5 | 22.0 | 19.9 | - | 24.1 |
| SOGI\*\* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| LGBT | 26.8 | 22.7 | - | 30.8 | † |  |  |  | 8.0 | 5.9 | - | 10.1 | 51.7 | 51.4 | - | 52.0 | 18.1 | 14.8 | - | 21.4 |
| Straight/Cisgender | 21.9 | 20.6 | - | 23.1 | 2.2 | 1.6 | - | 2.7 | 6.2 | 5.3 | - | 7.1 | 52.1 | 51.0 | - | 53.2 | 17.8 | 16.6 | - | 19.1 |
| \* White, Black, Asian, and Other/Multi race categories refer to non-Hispanic/non-Latine. Due to small sample sizes, data on American Indian/Alaska Natives and Native Hawaiians/Other Pacific Islanders are included in other/multiracial.  † Insufficient Data  ¶ See p 65 for the definition of disability  \*\*Sexual Orientation and Gender Identity | | | | | | | | | | | | | | | | | | | | |

**Age-Adjusted Percentages for Selected Topics (continued)**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Massachusetts Behavioral Risk Factor Surveillance System, 2022** | | | | | | | | | | | | | | | | | | | | |
|  | Heavy Drinking | | | | Overweight (BMI≥25.0) | | | | OBESE (BMI≥30.0) | | | | Any physical Activity in past month | | | | Received 3 Shots HBV Vaccine | | | |
|  | % | 95% CI | | | % | 95% CI | | | % | 95% CI | | | % | 95% CI | | | % | 95% CI | | |
| Overall | 6.9 | 6.1 | - | 7.7 | 62.0 | 60.5 | - | 63.4 | 27.7 | 26.4 | - | 29.0 | 79.8 | 78.6 | - | 80.9 | 46.0 | 43.3 | - | 48.6 |
| Sex |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| male | 5.9 | 4.8 | - | 6.9 | 67.5 | 66.1 | - | 68.8 | 28.0 | 26.7 | - | 29.3 | 81.0 | 79.4 | - | 82.6 | 41.5 | 37.8 | - | 45.2 |
| female | 8.0 | 7.0 | - | 9.0 | 56.1 | 54.7 | - | 57.6 | 26.7 | 25.5 | - | 28.0 | 77.8 | 76.2 | - | 79.4 | 47.0 | 43.3 | - | 50.8 |
| Race-ethnicity\* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| white | 8.8 | 7.7 | - | 9.8 | 61.6 | 60.4 | - | 62.8 | 27.4 | 26.3 | - | 28.5 | 83.4 | 82.1 | - | 84.6 | 46.5 | 43.1 | - | 49.9 |
| black | 3.5 | 1.9 | - | 5.0 | 68.6 | 65.6 | - | 71.6 | 37.1 | 34.1 | - | 40.1 | 76.8 | 72.3 | - | 81.2 | 53.1 | 44.1 | - | 62.1 |
| hispanic or Latine | 4.9 | 3.2 | - | 6.5 | 69.8 | 67.4 | - | 72.1 | 31.4 | 28.7 | - | 34.1 | 64.9 | 61.4 | - | 68.4 | 28.4 | 23.0 | - | 33.8 |
| asian | † |  |  |  | 42.2 | 36.8 | - | 47.6 | 11.7 | 8.5 | - | 14.9 | 81.0 | 75.4 | - | 86.6 | 54.1 | 44.2 | - | 64.0 |
| other & multiracial | † |  |  |  | 66.9 | 60.9 | - | 72.9 | 30.0 | 24.6 | - | 35.3 | 75.7 | 68.9 | - | 82.4 | 49.4 | 35.7 | - | 63.1 |
| Disability¶ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| disability | 7.2 | 5.6 | - | 8.8 | 67.0 | 65.2 | - | 68.9 | 36.7 | 34.7 | - | 38.7 | 66.9 | 64.2 | - | 69.6 | 42.4 | 37.2 | - | 47.7 |
| no disability | 6.9 | 6.1 | - | 7.7 | 60.1 | 58.9 | - | 61.4 | 24.4 | 23.4 | - | 25.3 | 84.2 | 83.0 | - | 85.5 | 45.2 | 42.1 | - | 48.3 |
| Education |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| < high school | 9.9 | 6.1 | - | 13.7 | 66.3 | 62.7 | - | 69.9 | 29.8 | 26.6 | - | 33.0 | 59.8 | 54.7 | - | 64.9 | 21.0 | 12.7 | - | 29.2 |
| high school | 6.3 | 4.6 | - | 8.0 | 66.9 | 64.7 | - | 69.1 | 33.4 | 31.1 | - | 35.8 | 70.3 | 67.5 | - | 73.1 | 34.9 | 29.5 | - | 40.4 |
| college 1–3 yrs | 7.0 | 5.7 | - | 8.4 | 64.3 | 62.2 | - | 66.3 | 31.3 | 29.5 | - | 33.2 | 79.3 | 77.1 | - | 81.6 | 43.1 | 38.0 | - | 48.3 |
| college 4+ yrs | 6.9 | 5.9 | - | 8.0 | 57.3 | 55.8 | - | 58.8 | 21.5 | 20.4 | - | 22.5 | 88.5 | 87.3 | - | 89.8 | 57.0 | 53.7 | - | 60.4 |
| Household Income |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <$25,000 | 6.1 | 4.0 | - | 8.1 | 65.1 | 62.2 | - | 68.1 | 34.2 | 31.1 | - | 37.3 | 64.8 | 60.4 | - | 69.1 | 35.7 | 35.2 | - | 36.2 |
| $25,000–49,999 | 6.8 | 4.6 | - | 9.0 | 66.0 | 63.7 | - | 68.4 | 33.1 | 30.9 | - | 35.4 | 71.0 | 67.8 | - | 74.2 | 41.8 | 41.4 | - | 42.3 |
| $50,000–74,999 | 7.7 | 5.6 | - | 9.7 | 69.1 | 66.2 | - | 72.0 | 32.3 | 29.2 | - | 35.3 | 79.8 | 76.3 | - | 83.2 | 44.4 | 44.0 | - | 44.9 |
| $75,000–99,999 | 8.0 | 5.9 | - | 10.2 | 61.2 | 58.0 | - | 64.4 | 28.3 | 25.4 | - | 31.2 | 82.8 | 79.3 | - | 86.3 | 50.1 | 49.5 | - | 50.7 |
| $100,000+ | 7.6 | 6.2 | - | 8.9 | 58.7 | 56.6 | - | 60.7 | 22.8 | 21.3 | - | 24.3 | 90.4 | 88.9 | - | 92.0 | 53.2 | 52.9 | - | 53.5 |
| SOGI\*\* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| LGBT | 9.2 | 6.8 | - | 11.7 | 64.3 | 60.1 | - | 68.5 | 30.2 | 26.1 | - | 34.3 | 78.7 | 75.0 | - | 82.4 | 56.1 | 47.7 | - | 64.6 |
| Straight/Cisgender | 6.6 | 5.7 | - | 7.4 | 61.1 | 59.5 | - | 62.7 | 27.1 | 25.6 | - | 28.5 | 79.8 | 78.5 | - | 81.1 | 45.0 | 42.0 | - | 47.9 |
| \* White, Black, Asian, and Other/Multi race categories refer to non-Hispanic/non-Latine. Due to small sample sizes, data on American Indian/Alaska Natives and Native Hawaiians/Other Pacific Islanders are included in other/multiracial.  † Insufficient Data  ¶ See p 65 for the definition of disability  \*\*Sexual Orientation and Gender Identity | | | | | | | | | | | | | | | | | | | | |

**Age-Adjusted Percentages for Selected Topics (continued)**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Massachusetts Behavioral Risk Factor Surveillance System, 2022** | | | | | | | | | | | | | | | | | | | | |
|  | Pre-diabetes | | | | Diabetes | | | | Ever had Asthma | | | | Currently have Asthma | | | | Ever Diagnosed with COPD | | | |
|  | % | 95% CI | | | % | 95% CI | | | % | 95% CI | | | % | 95% CI | | | % | 95% CI | | |
| Overall | 11.6 | 11.1 | - | 12.2 | 9.0 | 8.1 | - | 9.8 | 17.1 | 16.0 | - | 18.2 | 11.8 | 10.8 | - | 12.7 | 5.1 | 4.5 | - | 5.7 |
| Sex |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| male | 11.6 | 11.0 | - | 12.2 | 10.9 | 9.7 | - | 12.1 | 14.0 | 12.5 | - | 15.4 | 8.2 | 7.1 | - | 9.4 | 4.0 | 3.3 | - | 4.8 |
| female | 11.2 | 10.5 | - | 12.0 | 7.9 | 6.8 | - | 8.9 | 19.2 | 17.7 | - | 20.7 | 14.6 | 13.2 | - | 15.9 | 6.2 | 5.3 | - | 7.2 |
| Race-ethnicity\* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| white | 11.3 | 10.7 | - | 11.9 | 7.2 | 6.4 | - | 7.9 | 17.6 | 16.3 | - | 18.9 | 12.4 | 11.3 | - | 13.5 | 5.5 | 4.8 | - | 6.3 |
| black | 18.7 | 17.0 | - | 20.5 | 11.2 | 8.1 | - | 14.3 | 16.3 | 12.7 | - | 19.9 | 12.3 | 9.1 | - | 15.5 | 5.4 | 2.4 | - | 8.3 |
| hispanic or Latine | 11.1 | 8.0 | - | 14.3 | 17.4 | 14.6 | - | 20.3 | 17.3 | 14.5 | - | 20.1 | 12.0 | 9.4 | - | 14.5 | 4.4 | 2.6 | - | 6.1 |
| asian | 17.9 | 15.8 | - | 20.1 | 17.9 | 12.1 | - | 23.7 | 10.5 | 5.9 | - | 15.0 | † |  |  |  | † |  |  |  |
| other & multiracial | 7.1 | 4.5 | - | 9.7 | 14.3 | 8.8 | - | 19.7 | 22.7 | 15.9 |  | 29.4 | 12.8 | 7.5 |  | 18.2 | 7.9 | 3.7 | - | 12.1 |
| Disability¶ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| disability | 16.6 | 12.5 | - | 20.8 | 13.7 | 11.8 | - | 15.5 | 26.2 | 23.5 | - | 28.8 | 19.2 | 16.9 | - | 21.5 | 10.3 | 8.9 | - | 11.8 |
| no disability | 9.8 | 8.3 | - | 11.4 | 7.5 | 6.6 | - | 8.4 | 13.5 | 12.4 | - | 14.6 | 8.9 | 8.0 | - | 9.9 | 3.0 | 2.5 | - | 3.6 |
| Education |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| < high school | 8.5 | 5.4 | - | 11.7 | 17.3 | 13.6 | - | 21.1 | 19.3 | 14.9 | - | 23.7 | 13.9 | 10.1 | - | 17.8 | 9.3 | 6.2 | - | 12.4 |
| high school | 12.7 | 11.8 | - | 13.5 | 11.9 | 9.8 | - | 14.1 | 17.3 | 15.1 | - | 19.6 | 12.0 | 10.0 | - | 13.9 | 7.8 | 6.3 | - | 9.4 |
| college 1–3 yrs | 11.1 | 10.2 | - | 12.0 | 8.9 | 7.5 | - | 10.3 | 16.6 | 14.5 | - | 18.7 | 12.4 | 10.5 | - | 14.3 | 6.1 | 4.9 | - | 7.2 |
| college 4+ yrs | 11.6 | 11.0 | - | 12.2 | 6.2 | 5.3 | - | 7.2 | 15.9 | 14.5 | - | 17.3 | 10.5 | 9.3 | - | 11.8 | 2.3 | 1.8 | - | 2.8 |
| Household Income |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <$25,000 | 9.9 | 9.0 | - | 10.7 | 15.7 | 12.2 | - | 19.1 | 23.2 | 19.3 | - | 27.1 | 18.1 | 14.5 | - | 21.7 | 12.5 | 9.6 | - | 15.4 |
| $25,000–49,999 | 13.0 | 12.0 | - | 14.0 | 12.3 | 10.1 | - | 14.5 | 17.2 | 14.4 | - | 19.9 | 13.3 | 10.6 | - | 15.9 | 7.4 | 5.7 | - | 9.0 |
| $50,000–74,999 | 14.6 | 13.9 | - | 15.2 | 10.4 | 8.1 | - | 12.6 | 16.3 | 13.4 | - | 19.2 | 9.9 | 7.7 | - | 12.2 | 4.8 | 3.3 | - | 6.3 |
| $75,000–99,999 | 15.0 | 13.4 | - | 16.5 | 6.5 | 4.9 | - | 8.1 | 17.7 | 14.5 | - | 20.8 | 11.7 | 9.0 | - | 14.3 | 3.9 | 2.2 | - | 5.6 |
| $100,000+ | 8.3 | 7.8 | - | 8.8 | 6.5 | 5.1 | - | 7.9 | 13.8 | 12.1 | - | 15.4 | 9.3 | 7.9 | - | 10.7 | 2.1 | 1.5 | - | 2.7 |
| SOGI\*\* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| LGBT | 11.9 | 11.0 | - | 12.7 | 7.2 | 4.8 | - | 9.5 | 23.8 | 20.0 | - | 27.5 | 18.5 | 15.0 | - | 22.0 | 6.8 | 4.4 | - | 9.2 |
| Straight/Cisgender | 11.4 | 10.9 | - | 12.0 | 9.1 | 8.2 | - | 10.0 | 16.1 | 15.0 | - | 17.3 | 10.8 | 9.9 | - | 11.8 | 4.9 | 4.3 | - | 5.6 |
| \* White, Black, Asian, and Other/Multi race categories refer to non-Hispanic/non-Latine. Due to small sample sizes, data on American Indian/Alaska Natives and Native Hawaiians/Other Pacific Islanders are included in other/multiracial.  † Insufficient Data  ¶ See p 65 for the definition of disability  \*\*Sexual Orientation and Gender Identity | | | | | | | | | | | | | | | | | | | | |

**Age-Adjusted Percentages for Selected Topics (continued)**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Massachusetts Behavioral Risk Factor Surveillance System, 2022** | | | | | | | | | | | | | | | | | | | | |
|  | Ever Diagnosed with Cancer | | | | Ever Diagnosed with Depression | | | | Sexual Violence - Females | | | | Intimate Partner Violence,  females | | | | Intimate Partner Violence,  males | | | |
|  | % | 95% CI | | | % | 95% CI | | | % | 95% CI | | | % | 95% CI | | | % | 95% CI | | |
| Overall | 7.2 | 6.6 | - | 7.8 | 22.8 | 21.5 | - | 24.0 | 21.2 | 21.1 | - | 21.3 | 18.9 | 18.7 | - | 19.1 | 18.6 | 18.3 | - | 18.8 |
| Sex |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| male | 5.8 | 5.1 | - | 6.5 | 16.5 | 15.0 | - | 18.0 |  |  |  |  |  |  |  |  |  |  |  |  |
| female | 8.4 | 7.5 | - | 9.3 | 28.4 | 26.6 | - | 30.1 |  |  |  |  |  |  |  |  |  |  |  |  |
| Race-ethnicity\* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| white | 8.0 | 7.3 | - | 8.7 | 24.8 | 23.4 | - | 26.3 | 22.1 | 21.9 | - | 22.2 | 19.0 | 18.8 | - | 19.3 | 17.9 | 17.6 | - | 18.2 |
| black | 6.1 | 3.1 | - | 9.0 | 13.9 | 10.6 | - | 17.1 | † |  |  |  | 23.1 | 23.1 | - | 23.1 | 24.6 | 24.0 | - | 25.3 |
| hispanic or Latine | 4.1 | 2.6 | - | 5.6 | 21.1 | 18.2 | - | 24.1 | 11.8 | 11.8 | - | 11.8 | 27.4 | 27.1 | - | 27.7 | † |  |  |  |
| asian | † |  |  |  | 12.7 | 7.8 | - | 17.7 | 7.7 | 7.7 | - | 7.7 | † |  |  |  | † |  |  |  |
| other & multiracial | 7.1 | 3.1 | - | 11.1 | 35.1 | 27.7 | - | 42.5 | 40.3 | 40.3 | - | 40.3 | 27.0 | 27.0 | - | 27.0 | † |  |  |  |
| Disability¶ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| disability | 8.9 | 7.6 | - | 10.2 | 46.5 | 43.6 | - | 49.3 | 35.6 | 35.3 | - | 35.9 | 32.7 | 32.0 | - | 33.3 | 24.7 | 24.1 | - | 25.3 |
| no disability | 6.4 | 5.8 | - | 7.1 | 14.6 | 13.5 | - | 15.8 | 14.8 | 14.7 | - | 14.9 | 14.2 | 14.1 | - | 14.4 | 16.7 | 16.6 | - | 16.9 |
| Education |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| < high school | 4.3 | 2.2 | - | 6.4 | 26.4 | 21.6 | - | 31.2 | 17.9 | 17.9 | - | 17.9 | † |  | - |  | † |  |  |  |
| high school | 5.9 | 4.8 | - | 7.0 | 24.2 | 21.6 | - | 26.9 | 26.1 | 25.7 | - | 26.4 | 27.6 | 27.3 | - | 27.9 | 18.9 | 18.8 | - | 19.0 |
| college 1–3 yrs | 8.0 | 6.7 | - | 9.4 | 25.6 | 23.1 | - | 28.0 | 23.9 | 23.7 | - | 24.1 | 27.0 | 26.4 | - | 27.7 | 20.3 | 19.9 | - | 20.7 |
| college 4+ yrs | 8.2 | 7.3 | - | 9.2 | 18.8 | 17.3 | - | 20.2 | 17.6 | 17.4 | - | 17.7 | 12.3 | 12.1 | - | 12.4 | 15.4 | 14.9 | - | 15.9 |
| Household Income |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <$25,000 | 6.6 | 4.7 | - | 8.4 | 35.3 | 31.0 | - | 39.6 | 34.2 | 34.0 | - | 34.4 | 36.2 | 34.6 | - | 37.8 | 28.4 | 27.6 | - | 29.3 |
| $25,000–49,999 | 8.6 | 6.8 | - | 10.3 | 27.4 | 24.2 | - | 30.6 | 30.9 | 30.6 | - | 31.2 | 28.1 | 27.6 | - | 28.6 | 22.0 | 21.7 | - | 22.3 |
| $50,000–74,999 | 7.4 | 5.5 | - | 9.4 | 24.1 | 20.7 | - | 27.4 | 21.0 | 20.7 | - | 21.4 | 28.2 | 27.9 | - | 28.5 | 27.3 | 27.0 | - | 27.7 |
| $75,000–99,999 | 7.1 | 5.5 | - | 8.7 | 21.4 | 18.0 | - | 24.8 | 25.7 | 25.3 | - | 26.1 | 18.7 | 17.7 | - | 19.8 | 15.6 | 15.5 | - | 15.6 |
| $100,000+ | 7.2 | 6.1 | - | 8.2 | 17.9 | 15.9 | - | 19.9 | 17.0 | 17.0 | - | 17.1 | 9.1 | 9.0 | - | 9.1 | 14.0 | 13.9 | - | 14.0 |
| SOGI\*\* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| LGBT | 9.2 | 6.5 | - | 11.8 | 39.0 | 35.1 | - | 42.8 | 32.9 | 32.5 | - | 33.2 | 32.5 | 32.1 | - | 32.8 | † |  |  |  |
| Straight/Cisgender | 7.0 | 6.4 | - | 7.7 | 19.7 | 18.4 | - | 21.0 | 17.3 | 17.2 | - | 17.4 | 15.1 | 14.9 | - | 15.3 | 17.1 | 16.8 | - | 17.4 |
| \* White, Black, Asian, and Other/Multi race categories refer to non-Hispanic/non-Latine. Due to small sample sizes, data on American Indian/Alaska Natives and Native Hawaiians/Other Pacific Islanders are included in other/multiracial.  † Insufficient Data  ¶ See p 65 for the definition of disability  \*\*Sexual Orientation and Gender Identity | | | | | | | | | | | | | | | | | | | | |

**Age-Adjusted Percentages for Selected Topics (continued)**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Massachusetts Behavioral Risk Factor Surveillance System, 2022** | | | | | | | | | | | | | | | | | | | | |
|  | Ever Tested for HIV - ages 18-64 | | | | Tested for HIV in past year - ages 18-64 | | | | Ever Prescribed Opioid | | | | Marijuana or cannabis use, past month | | | | Seriously Considered Suicide in past year | | | |
|  | % | 95% CI | | | % | 95% CI | | | % | 95% CI | | | % | 95% CI | | | % | 95% CI | | |
| Overall | 45.2 | 43.5 | - | 46.9 | 10.9 | 9.8 | - | 12.1 | 36.8 | 36.1 | - | 37.6 | 20.9 | 18.8 | - | 23.1 | 4.0 | 3.7 | - | 4.2 |
| Sex |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| male | 41.4 | 39.1 | - | 43.7 | 10.3 | 9.8 | - | 10.7 | 36.9 | 35.8 | - | 38.0 | 23.9 | 20.9 | - | 27.0 | † |  |  |  |
| female | 47.5 | 45.3 | - | 49.8 | 11.4 | 11.0 | - | 11.9 | 34.9 | 34.0 | - | 35.8 | 17.9 | 15.0 | - | 20.8 | † |  |  |  |
| Race-ethnicity\* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| white | 44.6 | 42.7 | - | 46.6 | 9.8 | 9.4 | - | 10.3 | 41.7 | 40.8 | - | 42.7 | 23.8 | 22.8 | - | 24.9 | 4.6 | 4.2 | - | 4.9 |
| black | 56.5 | 50.6 | - | 62.3 | 20.0 | 18.4 | - | 21.7 | 30.6 | 29.3 | - | 32.0 | 26.1 | 23.7 | - | 28.5 | 3.9 | 3.9 | - | 3.9 |
| hispanic or Latine | 47.4 | 43.5 | - | 51.3 | 14.3 | 13.8 | - | 14.8 | 18.9 | 17.3 | - | 20.5 | 14.4 | 13.8 | - | 14.9 | 3.3 | 3.3 | - | 3.3 |
| asian | 28.7 | 22.1 | - | 35.4 | 3.7 | 3.1 | - | 4.3 | 21.3 | 19.5 | - | 23.0 | 4.0 | 3.3 | - | 4.7 | † |  |  |  |
| other & multiracial | 53.7 | 44.6 | - | 62.8 | 13.3 | 11.6 | - | 15.1 | 36.1 | 30.2 | - | 42.0 | 25.1 | 21.8 | - | 28.4 | † |  |  |  |
| Disability¶ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| disability | 53.8 | 50.4 | - | 57.2 | 14.3 | 13.5 | - | 15.1 | 45.1 | 44.5 | - | 45.6 | 29.9 | 24.4 | - | 35.3 | 11.2 | 11.2 | - | 11.3 |
| no disability | 41.7 | 39.9 | - | 43.5 | 9.8 | 9.5 | - | 10.2 | 33.1 | 32.6 | - | 33.6 | 18.1 | 15.9 | - | 20.3 | 1.7 | 1.3 | - | 2.1 |
| Education |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| < high school | 36.7 | 30.9 | - | 42.5 | 8.3 | 7.6 | - | 9.0 | 17.6 | 15.4 | - | 19.8 | 18.6 | 10.7 | - | 26.5 | † |  |  |  |
| high school | 43.8 | 40.1 | - | 47.6 | 11.5 | 10.9 | - | 12.1 | 33.0 | 30.8 | - | 35.2 | 21.4 | 17.1 | - | 25.7 | 7.4 | 7.3 | - | 7.4 |
| college 1–3 yrs | 48.8 | 45.4 | - | 52.1 | 13.9 | 13.2 | - | 14.7 | 42.2 | 40.8 | - | 43.7 | 26.5 | 21.5 | - | 31.5 | 4.9 | 4.0 | - | 5.9 |
| college 4+ yrs | 45.2 | 43.0 | - | 47.3 | 9.6 | 9.2 | - | 10.0 | 38.7 | 37.6 | - | 39.8 | 18.4 | 15.6 | - | 21.2 | 2.2 | 2.0 | - | 2.4 |
| Household Income |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <$25,000 | 51.7 | 46.3 | - | 57.1 | 14.9 | 14.2 | - | 15.5 | 26.4 | 26.3 | - | 26.5 | 23.4 | 18.9 | - | 27.9 | 6.5 | 6.4 | - | 6.7 |
| $25,000–49,999 | 49.4 | 45.1 | - | 53.6 | 14.9 | 14.3 | - | 15.6 | 35.9 | 35.6 | - | 36.2 | 27.6 | 26.0 | - | 29.1 | 7.2 | 7.1 | - | 7.2 |
| $50,000–74,999 | 44.9 | 40.0 | - | 49.8 | 12.6 | 11.9 | - | 13.2 | 38.9 | 38.7 | - | 39.2 | 23.3 | 21.2 | - | 25.4 | 5.0 | 4.1 | - | 5.9 |
| $75,000–99,999 | 45.6 | 40.7 | - | 50.5 | 12.9 | 11.2 | - | 14.6 | 37.8 | 37.4 | - | 38.1 | 20.7 | 17.8 | - | 23.7 | 2.9 | 2.9 | - | 2.9 |
| $100,000+ | 45.1 | 42.3 | - | 47.8 | 8.6 | 8.0 | - | 9.2 | 42.7 | 42.6 | - | 42.8 | 22.3 | 21.5 | - | 23.0 | 2.4 | 1.1 | - | 3.6 |
| SOGI\*\* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| LGBT | 56.1 | 51.3 | - | 60.9 | 23.1 | 18.4 | - | 27.8 | 44.8 | 43.6 | - | 46.0 | 28.8 | 22.6 | - | 35.0 | 9.4 | 9.4 | - | 9.4 |
| Straight/Cisgender | 43.7 | 41.9 | - | 45.5 | 8.9 | 7.8 | - | 10.0 | 35.9 | 35.1 | - | 36.7 | 19.5 | 17.2 | - | 21.7 | 2.6 | 2.3 | - | 2.9 |
| \* White, Black, Asian, and Other/Multi race categories refer to non-Hispanic/non-Latine. Due to small sample sizes, data on American Indian/Alaska Natives and Native Hawaiians/Other Pacific Islanders are included in other/multiracial.  † Insufficient Data  ¶ See p 65 for the definition of disability  \*\*Sexual Orientation and Gender Identity | | | | | | | | | | | | | | | | | | | | |

**Massachusetts and National Estimates**

|  |  |  |  |
| --- | --- | --- | --- |
| **Massachusetts Behavioral Risk Factor Surveillance System, 2022** | | | |
| Variables | MA  % | US Median¶  % | US Range¶  % |
| Overall Health Measures |  |  |  |
| Fair or poor health | 13.8 | 17.1 | 11.5 – 30.4 |
| 15+ poor mental health days | 13.6 | 14.7 | 9.6 – 20.6 |
| 15+ days in poor physical health | 9.5 | 11.1 | 6.8 – 17.1 |
| Health Care Access and Utilization |  |  |  |
| Have personal health care provider | 91.4 | 83.7 | 73.4 – 91.7 |
| Could not see doctor due to cost | 7.1 | 10.1 | 5.7 – 19.1 |
| Checkup in Past Year | 81.0 | 76.7 | 68.4 – 83.4 |
| No health insurance (18-64) | 2.7 | 8.9 | 2.7 – 26.6 |
| Dental Visit in the past year | 73.2 | 65.2 | 9.4 – 73.9 |
| 6 or more teeth missing | 10.9 | 13.6 | 8.0 – 26.9 |
| Risk factors and preventive behaviors |  |  |  |
| Current smoker | 10.4 | 13.5 | 3.8 – 21.0 |
| Former smoker | 23.1 | 25.3 | 13.6 – 29.0 |
| Use Smokeless Tobacco | 2.1 | 3.4 | 0.4 – 7.9 |
| Quit attempt among current Smokers | 52.1 | 52.1 | 37.1 – 58.8 |
| Current Electronic Vapor Product Use | 5.6 | 7.6 | 2.0 – 12.1 |
| Binge drinking | 17.2 | 16.9 | 8.6 – 25.9 |
| Heavy drinking | 6.7 | 6.8 | 3.1 – 10.2 |
| Overweight (BMI>=25.0) | 61.9 | 68.6 | 55.2 – 74.4 |
| Obesity (BMI>=30.0) | 27.2 | 33.6 | 24.3 – 41.0 |
| Physical activity in past month | 78.7 | 76.5 | 56.4 – 84.9 |
| Flu vaccine in past year (18-49) | 46.5 | 34.8 | 8.3 – 55.2 |
| Flu VACCINE IN past year (50-64) | 62.1 | 47.6 | 19.2 – 62.7 |
| Flu VACCINE IN past year (65+) | 74.0 | 67.7 | 36.0 – 76.6 |
| Ever had pneumonia vaccination (65+) | 69.4 | 71.4 | 32.9 – 77.2 |
| Chronic Health Conditions |  |  |  |
| Diabetes | 10.5 | 11.6 | 8.0 – 21.6 |
| Ever had asthma | 16.3 | 15.7 | 11.5 – 18.9 |
| Currently have asthma | 11.3 | 10.4 | 6.9 – 13.3 |
| COPD | 5.7 | 6.7 | 0.9 – 14.0 |
| Myocardial Infarction (35+) | 5.8 | 6.1 | 4.3 – 10.0 |
| Coronary Heart Disease / Angina (35+) | 6.2 | 6.1 | 2.5 – 9.4 |
| Stroke (35+) | 3.6 | 4.5 | 2.9 – 11.4 |
| Ever diagnosed with Depression | 21.6 | 21.6 | 9.5 – 29.2 |
| Ever diagnosed with Cancer | 8.3 | 8.3 | 2.5 – 10.8 |
| Cancer Screening |  |  |  |
| Met RECOMMENDATION FOR Colorectal Cancer Screening (45-75) | 65.4 | 61.5 | 42.8 – 68.9 |
| Mammography in past 2 yrs (50-74) | 84.9 | 76.3 | 65.2 – 86.0 |
| Other Topics |  |  |  |
| Ever tested for HIV (18-64) | 42.9 | 42.0 | 30.5 – 67.9 |
| ¶ The US median percentage and range are based on data for all 50 states, District of Columbia, and Puerto Rico. | | | |

Terms, Definitions and Statistical Methodology

This report presents data from the **combined sample** - both landline and cell phone respondents. The combined sample contained 11,029 respondents.

* The survey design included three versions (or “splits”), to allow for an increase in the number of optional modules and Massachusetts-added questions asked without an increase in the length of the survey:
* Split 1 contained 629 landline respondents and 2,863 cell phone respondents
* Split 2 contained 602 landline respondents and 2,887 cell phone respondents
* Split 3 contained 547 landline respondents and 2,869 cell phone respondents

The BRFSS data were **weighted** to represent the adult population of Massachusetts. Weighting makes the sample representative in two ways:

* It adjusts for differences in the probability of selection due to the telephone number, the number of telephones in a household, and the number of adults in a household.
* Adjustments are also made to reduce bias from non-response, non-coverage of households without landline telephones or cell phones, and differential participation by sex, age, race/ethnicity, marital status, education, and owner/renter status.

All the weighting factors were multiplied together to get the final weight for each respondent so that the weighted BRFSS data represent the adult population of Massachusetts. Weights were produced for the combined sample and for each of the three versions of the questionnaire.

The underlying **sample size (N)** in each cell of the presented tables is the number of individuals who responded to the specific BRFSS question. These are unweighted numbers. These numbers exclude individuals who reported "not sure, don't know," those who refused to answer the question, or had no response coded (missing or skipped). The underlying size of the sample used to produce particular estimates varies depending on whether the data come from the combined land line and cell phone sample or from one of the sample splits through which some of the optional modules and Massachusetts-added questions were administered.

The **crude percentage** is the weighted proportion of respondents in a particular category. When percentages are reported in the text of this report, they are referring to crude percentages. The crude percentage of respondents used in this report reflects the burden of a certain health status indicator in a specific group of the population, e.g., age group, gender, etc.

The **age-adjusted percentage** is a weighted average of the age-specific proportions. The projected 2000 USpopulation was used as a standard for the calculation. The age-adjusted percentage is a single, calculated number. Age-adjustment is done to be able to compare population subgroups with potentially different age structures (e.g., Hispanic vs. White non-Hispanic). The reader should exercise caution when using age-adjusted percentages for the comparison of survey data subgroups. While the estimates have been adjusted by age, other factors like gender, income, or education and their possible correlation may also have an impact on the results of subgroup comparisons (see Appendix). The percentages were not age-adjusted for health indicators obtained for restricted age groups such as cancer screening. Age-adjusted estimates are presented in tables in the Appendix of this report.

The **data presented** here are univariate, descriptive percentages that are either crude or age-adjusted. No multivariate analysis was performed on this data. In addition, all data presented here are cross-sectional and thus this report contains no inferences about causality.

**The US median** was calculated for the estimates from all participating states, the District of Columbia, and territories for each respective indicator when available. The values were ordered from lowest to highest and the middle value is then chosen (if the number of values is odd) or calculated as the average of the two middle values (if the number of values is even). The median then represents a value for which half of the states have higher estimates and half of the states have lower estimates.

**The 95% confidence interval (95% CI)** is a range of values determined by the degree of variability of the data within which the true value is likely to lie. The confidence interval indicates the precision of a calculation, the wider the interval the less precision in the estimate. The 95% confidence intervals used in this report for crude and age-adjusted percentages are the indicators of reliability (or stability) of the estimate. Smaller population subgroups or smaller numbers of respondents yield less precise estimates.

**Suppression of the presented estimates**:

1. Estimates and their 95% confidence intervals are not presented in the tables if the underlying sample size is less than 50 respondents.
2. Following recommendations of the National Center for Health Statistics, data are not presented in the tables if a ratio of standard error to the estimate itself exceeds 30% (relative standard error of greater than 30%). Standard error of the estimate is a measure of its variability. Bigger standard errors yield wider confidence intervals and less reliable estimates.[[1]](#endnote-2)

For this report, respondents were classified as having a **disability** if they answered “yes” to one or more of the following questions:

1. Are you deaf or do you have serious difficulty hearing?

2. Are you blind or do you have serious difficulty seeing, even when wearing glasses?

3. Because of a physical, mental, or emotional condition, do you have serious difficulty concentrating, remembering, or making decisions?

4. Do you have serious difficulty walking or climbing stairs?

5. Do you have difficulty dressing or bathing?

6. Because of a physical, mental, or emotional condition, do you have difficulty doing errands alone such as visiting a doctor’s office or shopping?

**Note: The definition of disability has changed from prior years’ reports**

**Race-ethnicity categories** in this report include White, Black, Hispanic/Latine, and Asian. When referring to White, Black, or Asian, these categories include only non-Hispanic/non-Latine respondents. All respondents reporting Hispanic/Latine ethnicity are included in the Hispanic/Latine category regardless of race. Due to small sample sizes data on American Indian/Alaska Natives and Native Hawaiians/Other Pacific Islanders are included in Other.

**Sexual Orientation and gender identity (SOGI) variables**

All respondents were asked two questions:

1. Which of the following best represents how you think of yourself – Gay or lesbian, Straight, Bisexual, or Something else?

2. Do you consider yourself to be transgender? Respondents who answered ‘Yes’ were asked Do you consider yourself to be male-to-female, female-to-male, or gender non-conforming?

Those who responded Gay or lesbian, Bisexual or Something else to the first question OR answered Yes to the second question were categorized as LGBT. Those who responded Straight to the first question AND No to the second question were categorized as Straight/Cisgender.

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Limitations

There are some limitations that should be considered when interpreting results from the BRFSS, based on the nature of the survey data:

* The health characteristics estimated from the BRFSS pertain to the adult population, aged 18 years and older, who live in a private residence or college housing with either a landline telephone or a cell phone.
* Telephone coverage varies across population subgroups: minorities and those in lower socioeconomic groups typically have lower telephone coverage. No direct method of compensating for non‑telephone coverage is employed by the BRFSS; however, weighted data are used, which may partially correct for any bias caused by non‑telephone coverage. Weighting is designed to make the total number of cases equal to some desired number which, for MA BRFSS data, is the number of people in the state who are aged 18 years and older. In the BRFSS, such weighting serves as a blanket adjustment for non-coverage and non-response and forces the total number of cases to equal population estimates.
* All data collected by the BRFSS are based on self-report from the respondents.  By its nature, self-reported data may be subject to error for several reasons. An individual may have difficulty remembering events that occurred a long time ago or the frequency of certain behaviors. Some respondents may over report socially desirable behaviors, while underreporting behaviors they perceive to be less acceptable.
* Persons with the most severe limitations and with certain disabilities are not represented in this sample since individuals living in institutions are not included in the BRFSS.  BRFSS methodology also precludes anyone from assisting respondents in completing the interview if the selected adult had difficulty in participating for any reason, such as an intellectual or developmental disability.
* Telephone interviews were conducted in English and Spanish. Persons unable to complete a telephone interview in one of these languages are not represented in this sample.
* Finally, because the BRFSS surveys a randomly selected sample of Massachusetts adults, these results may differ from another random sample to some extent simply due to chance.

1. [↑](#endnote-ref-2)