

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

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Health Survey Program

Office of Population Health

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December 2023

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ACKNOWLEDGEMENTS

We wish to express our gratitude to the residents of Massachusetts who participated in this survey, and to Logit US, Inc. and the dedicated interviewers who helped make this survey possible. We also wish to acknowledge the contributions of the staff of the many programs within the Massachusetts Department of Public Health who provided topical overviews and reviewed draft sections of this report relevant to their areas of expertise.

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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 ($BMI \geq 25.0$) and 27.2% reported being obese ($BMI \geq 30.0$). 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 N	WEIGHTED PERCENT %†
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					15+ DAYS OF POOR MENTAL HEALTH				
	N	%	95% CI			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
<p>* 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</p> <p>† Insufficient Data</p> <p>¶ See p 65 for the definition of disability</p> <p>**Sexual Orientation and Gender Identity</p>					

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					COULD NOT SEE DOCTOR DUE TO COST				
	N	%	95% CI			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
<p>* 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</p> <p>† Insufficient Data</p> <p>¶ See p 65 for the definition of disability</p> <p>**Sexual Orientation and Gender Identity</p>			

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					SIX OR MORE TEETH MISSING				
	N	%	95% CI			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	1,577	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					FORMER SMOKER				
	N	%	95% CI			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
<p>* 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</p> <p>† Insufficient Data</p> <p>¶ See p 65 for the definition of disability</p> <p>**Sexual Orientation and Gender Identity</p>			

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					HEAVY DRINKING				
	N	%	95% CI			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 ≥ 25.0)					OBESE (BMI ≥ 30.0)				
	N	%	95% CI			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
<p>* 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</p> <p>† Insufficient Data</p> <p>¶ See p 65 for the definition of disability</p> <p>**Sexual Orientation and Gender Identity</p>			

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					FLU VACCINE IN PAST YEAR, AGES 50-64				
	N	%	95% CI			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
<p>* 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</p> <p>† Insufficient Data</p> <p>¶ See p 65 for the definition of disability</p> <p>**Sexual Orientation and Gender Identity</p>					

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					COMPLETED SERIES **				
	N	%	95% CI			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
<p>* 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</p> <p>† Insufficient Data</p> <p>¶ See p 65 for the definition of disability</p> <p>**Sexual Orientation and Gender Identity</p>			

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					PRE-DIABETES				
	N	%	95% CI			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					CURRENTLY HAVE ASTHMA				
	N	%	95% CI			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
<p>* 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</p> <p>† Insufficient Data</p> <p>¶ See p 65 for the definition of disability</p> <p>**Sexual Orientation and Gender Identity</p>			

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					EVER DIAGNOSED WITH ANGINA OR CORONARY HEART DISEASE				
	N	%	95% CI			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
<p>* 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.</p> <p>† Insufficient Data</p> <p>¶ See p 65 for the definition of disability</p> <p>**Sexual Orientation and Gender Identity</p>			

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
<p>* 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.</p> <p>† Insufficient Data</p> <p>¶ See p 65 for the definition of disability</p> <p>**Sexual Orientation and Gender Identity</p>			

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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					TESTED FOR HIV IN PAST YEAR				
	N	%	95% CI			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					HAD LONG-TERM COVID SYMPTOMS **				
	N	%	95% CI			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					SEXUAL VIOLENCE, MEN				
	N	%	95% CI			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			INTIMATE PARTNER VIOLENCE, MEN		
	N	%	95% CI	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
<p>* 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.</p> <p>† Insufficient Data</p> <p>¶ See p 65 for the definition of disability</p> <p>**Sexual Orientation and Gender Identity</p>			

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					NON-MEDICAL USE OF OPIOID IN PAST YEAR				
	N	%	95% CI			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
<p>* 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</p> <p>† Insufficient Data</p> <p>¶ See p 65 for the definition of disability</p> <p>**Sexual Orientation and Gender Identity</p>			

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
<div>* 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.</div> <div>† Insufficient Data</div> <div>¶ See p 65 for the definition of disability</div> <div>**Sexual Orientation and Gender Identity</div>																				

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 \geq 25.0)	61.9	68.6	55.2 – 74.4
OBESITY (BMI \geq 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 (45-74)	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 US population 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:

- a) Estimates and their 95% confidence intervals are not presented in the tables if the underlying sample size is less than 50 respondents.
- b) 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.ⁱ

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.

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.
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