

A Profile of Health Among Massachusetts Adults, 2014

Results from the Behavioral Risk Factor Surveillance
System

HEALTH SURVEY PROGRAM
OFFICE OF DATA MANAGEMENT AND OUTCOMES ASSESSMENT
MASSACHUSETTS DEPARTMENT OF PUBLIC HEALTH



August 2015

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Charles D. Baker, Governor

Marylou Sudders, Secretary of Health and Human Services

Monica Bharel, MD, MPH, Commissioner, Department of Public Health

Thomas Land, Director, Office of Data Management and Outcomes Assessment

Mark Paskowsky, Director, Health Survey Program

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For further information about this report, about the Behavioral Risk Factor Surveillance System, or the Health Survey Program, please contact: Mark Paskowsky, Health Survey Program, Office of Data Management and Outcomes Assessment, Massachusetts Department of Public Health, 250 Washington Street, 6th floor, Boston, MA 02108-4619. Telephone: (617) 624-6064. Email: Mark.Paskowsky@massmail.state.ma.us. Website: <http://www.mass.gov/dph/hsp>

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 departments of health. 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 a variety of 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 the 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 a number of topics to the surveillance instrument including environmental tobacco exposure, family planning, sexual violence, and other selected topics.

In 2014, 11,678 landline interviews and 3,976 cell phone interviews were completed among Massachusetts adults. To increase the number of respondents who belong to racial and/or ethnic minority groups, the cities of Boston, Brockton, Lowell, Lynn, New Bedford, Quincy, Springfield, and Worcester were oversampled. Interviews were administered in the respondents' preferred language, with a choice of English, Spanish, or Portuguese.

This report summarizes selected results from the combined landline and cell phone portions of the 2014 Massachusetts BRFSS. In each section of the report, a description of survey questions used to obtain estimates for key variables is provided. Tables detailing the overall estimates and estimates by demographic and socioeconomic characteristics (gender, age, race-ethnicity, disability status, education and annual household income) are provided in the main body of the report in the form of crude percentages.

In the Appendix of the report, tables are presented detailing age-adjusted percentages for 2014 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 2014 in a separate table. The *Healthy People 2020* objectives are presented separately as a new challenging goal for public health.

All percentages in this report are weighted (see definition on page 61) to represent the total Massachusetts population in 2014.

DEMOGRAPHIC CHARACTERISTICS OF RESPONDENTS

MASSACHUSETTS BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM, 2014

	UNWEIGHTED SAMPLE SIZE N	WEIGHTED PERCENT %†
OVERALL	15,654	
GENDER		
MALE	6,267	47.8
FEMALE	9,387	52.2
AGE GROUP		
18–24	680	13.4
25–34	1,287	16.8
35–44	1,627	15.8
45–54	2,574	18.1
55–64	3,487	16.3
65–74	3,225	11.0
75 AND OLDER	2,428	8.7
RACE-ETHNICITY*		
WHITE	12,801	78.5
BLACK	812	6.4
HISPANIC	870	9.6
ASIAN	350	5.5
DISABILITY¶		
DISABILITY	5,346	30.7
NO DISABILITY	9,414	69.3
EDUCATION		
< HIGH SCHOOL	985	11.2
HIGH SCHOOL	3,589	26.4
COLLEGE 1–3 YRS	3,737	26.9
COLLEGE 4+ YRS	7,137	35.5
HOUSEHOLD INCOME		
<\$25,000	3,378	24.7
\$25,000–34,999	1,270	9.1
\$35,000–49,999	1,692	12.2
\$50,000–74,999	1,884	13.2
\$75,000+	4,810	40.7

* White, Black, and Asian race categories refer to non-Hispanic

† See BRFSS methodology in “Terms, Definitions and Methodology Used in this Report”

¶ See p 62 for definition of disability

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, 2014				
	FAIR OR POOR HEALTH			
	N	%	95% CI	
OVERALL	15,614	14.5	13.6	- 15.4
GENDER				
MALE	6,248	13.9	12.6	- 15.3
FEMALE	9,366	15.0	13.8	- 16.2
AGE GROUP				
18–24	680	7.5	4.8	- 10.1
25–34	1,285	9.7	7.5	- 11.9
35–44	1,626	11.5	9.1	- 14.0
45–54	2,572	16.5	14.2	- 18.7
55–64	3,480	18.7	16.7	- 20.7
65–74	3,214	19.3	17.0	- 21.7
75 AND OLDER	2,413	22.7	20.1	- 25.4
RACE-ETHNICITY*				
WHITE	12,770	12.9	12.0	- 13.8
BLACK	810	14.1	10.7	- 17.5
HISPANIC	867	31.5	26.8	- 36.2
ASIAN	†			
DISABILITY [¶]				
DISABILITY	5,322	37.6	35.4	- 39.8
NO DISABILITY	9,404	4.7	3.9	- 5.4
EDUCATION				
< HIGH SCHOOL	976	36.9	32.2	- 41.6
HIGH SCHOOL	3,581	18.2	16.3	- 20.1
COLLEGE 1–3 YRS	3,726	13.9	12.3	- 15.5
COLLEGE 4+ YRS	7,129	5.2	4.6	- 5.8
HOUSEHOLD INCOME				
<\$25,000	3,362	34.2	31.3	- 37.0
\$25,000–34,999	1,265	17.2	14.0	- 20.4
\$35,000–49,999	1,690	13.0	10.3	- 15.6
\$50,000–74,999	1,884	8.1	5.8	- 10.5
\$75,000+	4,808	4.1	3.4	- 4.8

* White, Black, and Asian race categories refer to non-Hispanic
† Insufficient data
¶ See p 62 for definition of disability

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, 2014										
	15+ DAYS OF POOR PHYSICAL HEALTH					15+ DAYS OF POOR MENTAL HEALTH				
	N	%	95% CI			N	%	95% CI		
OVERALL	15,234	9.7	9.0	-	10.4	15,331	11.3	10.4	-	12.1
GENDER										
MALE	6,124	9.1	8.0	-	10.2	6,149	9.9	8.7	-	11.1
FEMALE	9,110	10.2	9.2	-	11.2	9,182	12.5	11.3	-	13.7
AGE GROUP										
18–24	668	5.3	2.9	-	7.6	670	12.5	9.4	-	15.7
25–34	1,273	5.7	4.0	-	7.3	1,274	13.7	11.2	-	16.2
35–44	1,603	8.4	6.4	-	10.4	1,599	10.8	8.6	-	13.0
45–54	2,534	11.7	9.9	-	13.6	2,534	14.2	12.1	-	16.2
55–64	3,416	13.4	11.7	-	15.2	3,424	11.7	10.1	-	13.3
65–74	3,121	12.4	10.5	-	14.3	3,152	6.0	4.7	-	7.2
75 AND OLDER	2,279	13.1	11.0	-	15.3	2,338	5.5	4.0	-	7.0
RACE-ETHNICITY*										
WHITE	12,487	10.0	9.2	-	10.9	12,561	10.7	9.7	-	11.6
BLACK	780	7.7	5.0	-	10.3	786	13.4	9.6	-	17.1
HISPANIC	831	11.8	8.7	-	15.0	840	16.5	12.9	-	20.1
ASIAN	†					†				
DISABILITY [¶]										
DISABILITY	5,072	28.1	26.0	-	30.2	5,171	25.9	23.7	-	28.0
NO DISABILITY	9,306	2.0	1.6	-	2.4	9,297	4.8	4.1	-	5.5
EDUCATION										
< HIGH SCHOOL	915	17.2	13.7	-	20.7	930	19.3	15.3	-	23.2
HIGH SCHOOL	3,442	12.5	10.8	-	14.2	3,473	13.8	11.9	-	15.6
COLLEGE 1–3 YRS	3,639	10.8	9.4	-	12.2	3,676	12.7	10.9	-	14.4
COLLEGE 4+ YRS	7,045	4.6	4.0	-	5.2	7,059	5.9	5.1	-	6.6
HOUSEHOLD INCOME										
<\$25,000	3,224	21.6	19.1	-	24.0	3,254	22.8	20.2	-	25.3
\$25,000–34,999	1,244	11.3	8.6	-	14.0	1,244	12.8	9.3	-	16.3
\$35,000–49,999	1,650	8.0	6.0	-	10.0	1,667	10.2	7.8	-	12.7
\$50,000–74,999	1,866	6.2	4.7	-	7.7	1,866	10.1	7.7	-	12.5
\$75,000+	4,771	4.1	3.3	-	4.9	4,772	5.5	4.4	-	6.6

* White, Black, and Asian race categories refer to non-Hispanic
† Insufficient data
¶ See p 62 for definition of disability

SECTION 1.3: DISABILITY

In 2014, respondents were asked about disabilities and activity limitations. Respondents were classified as having a disability if they answered “yes” to one or more of the following questions:

1. Are you limited in any way in any activities because of physical, mental, or emotional problems?
2. Do you now have any health problem that requires you to use special equipment, such as a cane, a wheelchair, a special bed, or a special telephone?
3. Are you blind or do you have serious difficulty seeing, even when wearing glasses?
4. Because of a physical, mental, or emotional condition, do you have serious difficulty concentrating, remembering or making decisions?
5. Do you have serious difficulty walking or climbing stairs?
6. Do you have difficulty dressing or bathing?
7. Because of a physical, mental or emotional condition, do you have difficulty doing errands alone such as visiting a doctor’s office or shopping?

TABLE 1.3 – DISABILITY AMONG MASSACHUSETTS ADULTS, 2014			
	HAVE DISABILITY¶		
	N	%	95% CI
OVERALL	14,760	30.7	29.5 - 31.8
GENDER			
MALE	5,917	27.9	26.2 - 29.6
FEMALE	8,843	33.2	31.6 - 34.8
AGE GROUP			
18–24	623	26.3	21.7 - 30.9
25–34	1,207	21.7	18.6 - 24.8
35–44	1,528	22.9	20.0 - 25.9
45–54	2,432	30.6	28.0 - 33.3
55–64	3,324	33.8	31.4 - 36.1
65–74	3,077	40.2	37.5 - 42.9
75 AND OLDER	2,279	52.8	49.6 - 55.9
RACE-ETHNICITY*			
WHITE	12,165	30.9	29.6 - 32.2
BLACK	745	31.2	26.1 - 36.4
HISPANIC	803	40.0	35.0 - 45.0
ASIAN	317	13.0	8.3 - 17.6
EDUCATION			
< HIGH SCHOOL	913	53.8	48.6 - 59.1
HIGH SCHOOL	3,362	35.4	32.8 - 37.9
COLLEGE 1–3 YRS	3,565	31.4	29.1 - 33.6
COLLEGE 4+ YRS	6,841	19.8	18.5 - 21.0
HOUSEHOLD INCOME			
<\$25,000	3,217	55.2	52.1 - 58.2
\$25,000–34,999	1,201	36.6	32.1 - 41.1
\$35,000–49,999	1,636	27.6	24.3 - 30.9
\$50,000–74,999	1,823	20.7	18.0 - 23.4
\$75,000+	4,643	17.3	15.7 - 18.9

* White, Black, and Asian race categories refer to non-Hispanic
 ¶ See p 62 for definition of disability

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, 2014				
	NO HEALTH INSURANCE			
	N	%	95% CI	
OVERALL	9,373	3.2	2.6	- 3.8
GENDER				
MALE	3,929	4.9	3.7	- 6.0
FEMALE	5,444	1.6	1.1	- 2.1
AGE GROUP				
18–24	619	3.1	1.4	- 4.8
25–34	1,181	4.8	3.0	- 6.6
35–44	1,586	3.7	2.1	- 5.2
45–54	2,536	2.8	1.8	- 3.7
55–64	3,451	1.7	0.9	- 2.5
RACE-ETHNICITY*				
WHITE	7,476	2.3	1.7	- 2.8
BLACK	†			
HISPANIC	718	6.6	3.9	- 9.3
ASIAN	†			
DISABILITY [¶]				
DISABILITY	2,709	3.6	2.5	- 4.7
NO DISABILITY	6,142	2.9	2.2	- 3.7
EDUCATION				
< HIGH SCHOOL	500	6.6	3.3	- 9.9
HIGH SCHOOL	1,904	4.8	3.3	- 6.3
COLLEGE 1–3 YRS	2,218	3.1	2.0	- 4.1
COLLEGE 4+ YRS	4,652	1.1	0.8	- 1.5
HOUSEHOLD INCOME				
<\$25,000	1,755	6.9	4.7	- 9.0
\$25,000–34,999	625	4.2	2.1	- 6.3
\$35,000–49,999	904	5.8	3.2	- 8.3
\$50,000–74,999	†			
\$75,000+	†			

* White, Black, and Asian race categories refer to non-Hispanic
† Insufficient data
¶ See p 62 for definition of disability

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, 2014										
	HAVE PERSONAL HEALTH CARE PROVIDER				COULD NOT SEE DOCTOR DUE TO COST					
	N	%	95% CI		N	%	95% CI			
OVERALL	15,592	89.3	88.4	-	90.2	15,622	8.3	7.6	-	9.1
GENDER										
MALE	6,239	85.1	83.6	-	86.6	6,255	8.9	7.7	-	10.1
FEMALE	9,353	93.1	92.2	-	94.0	9,367	7.8	6.9	-	8.8
AGE GROUP										
18–24	672	78.3	74.5	-	82.2	680	8.4	5.8	-	11.0
25–34	1,276	77.1	74.0	-	80.1	1,285	12.0	9.6	-	14.5
35–44	1,622	89.5	87.3	-	91.7	1,624	9.5	7.3	-	11.8
45–54	2,569	94.1	92.8	-	95.4	2,564	10.4	8.6	-	12.2
55–64	3,480	95.5	94.3	-	96.6	3,482	7.3	5.8	-	8.8
65–74	3,218	96.9	96.0	-	97.9	3,221	3.6	2.6	-	4.6
75 AND OLDER	2,414	96.8	95.5	-	98.0	2,422	3.1	2.1	-	4.2
RACE-ETHNICITY*										
WHITE	12,761	91.5	90.6	-	92.4	12,787	6.8	6.0	-	7.6
BLACK	807	88.5	84.5	-	92.4	808	11.2	7.6	-	14.7
HISPANIC	865	83.1	79.3	-	86.9	863	18.2	14.3	-	22.0
ASIAN	346	85.1	79.8	-	90.3	348	7.2	3.5	-	10.8
DISABILITY [¶]										
DISABILITY	5,323	92.1	90.8	-	93.4	5,332	14.4	12.6	-	16.3
NO DISABILITY	9,386	88.6	87.5	-	89.7	9,398	5.5	4.7	-	6.3
EDUCATION										
< HIGH SCHOOL	976	85.0	81.1	-	88.9	978	17.6	13.5	-	21.7
HIGH SCHOOL	3,573	87.6	85.7	-	89.6	3,580	9.6	8.0	-	11.2
COLLEGE 1–3 YRS	3,726	89.4	87.8	-	91.1	3,729	8.2	6.9	-	9.6
COLLEGE 4+ YRS	7,117	92.1	91.2	-	93.1	7,131	4.4	3.7	-	5.0
HOUSEHOLD INCOME										
<\$25,000	3,358	84.6	82.2	-	86.9	3,370	15.4	13.0	-	17.8
\$25,000–34,999	1,266	89.9	87.0	-	92.7	1,266	11.6	8.9	-	14.4
\$35,000–49,999	1,690	87.2	84.2	-	90.2	1,686	9.8	7.3	-	12.3
\$50,000–74,999	1,882	90.5	88.2	-	92.7	1,882	7.5	5.4	-	9.5
\$75,000+	4,800	93.8	92.7	-	95.0	4,808	3.0	2.3	-	3.7

* White, Black, and Asian race categories refer to non-Hispanic
[¶] See p 62 for definition of disability

TABLE 2.2 (CONTINUED) - HEALTH CARE ACCESS AMONG MASSACHUSETTS ADULTS, 2014

	HAD A ROUTINE CHECKUP IN THE PAST YEAR		
	N	%	95% CI
OVERALL	15,457	78.5	77.4 - 79.5
GENDER			
MALE	6,195	74.6	72.9 - 76.3
FEMALE	9,262	82.0	80.6 - 83.3
AGE GROUP			
18-24	669	73.8	69.6 - 78.0
25-34	1,274	65.7	62.4 - 69.1
35-44	1,604	72.9	69.9 - 75.9
45-54	2,544	77.3	75.0 - 79.7
55-64	3,459	85.2	83.5 - 86.9
65-74	3,190	91.8	90.5 - 93.0
75 AND OLDER	2,379	92.6	91.0 - 94.2
RACE-ETHNICITY*			
WHITE	12,651	79.4	78.2 - 80.6
BLACK	803	81.3	76.9 - 85.7
HISPANIC	854	80.0	76.0 - 84.0
ASIAN	344	69.2	62.5 - 75.9
DISABILITY [¶]			
DISABILITY	5,255	83.0	81.1 - 84.9
NO DISABILITY	9,326	76.6	75.2 - 78.0
EDUCATION			
< HIGH SCHOOL	964	82.7	78.6 - 86.7
HIGH SCHOOL	3,529	78.3	75.9 - 80.6
COLLEGE 1-3 YRS	3,686	79.8	77.7 - 81.9
COLLEGE 4+ YRS	7,080	76.3	74.8 - 77.7
HOUSEHOLD INCOME			
<\$25,000	3,328	80.0	77.5 - 82.5
\$25,000-34,999	1,250	79.8	76.0 - 83.5
\$35,000-49,999	1,679	75.0	71.5 - 78.6
\$50,000-74,999	1,864	76.7	73.5 - 79.9
\$75,000+	4,785	77.2	75.4 - 79.0

* White, Black, and Asian race categories refer to non-Hispanic

¶ See p 62 for definition of disability

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.

TABLE 2.3 – DENTAL HEALTH CARE AMONG MASSACHUSETTS ADULTS, 2014

	DENTAL VISIT IN PAST YEAR				SIX OR MORE TEETH MISSING				
	N	%	95% CI		N	%	95% CI		
OVERALL	15,367	74.7	73.6	- 75.8	15,049	15.6	14.7	- 16.4	
GENDER									
MALE	6,161	72.1	70.4	- 73.9	6,053	15.0	13.8	- 16.3	
FEMALE	9,206	77.1	75.7	- 78.5	8,996	16.1	14.9	- 17.2	
AGE GROUP									
18–24	668	80.1	76.6	- 83.6	†				
25–34	1,267	69.9	66.5	- 73.2	1,279	4.2	2.5	- 5.9	
35–44	1,608	74.6	71.6	- 77.7	1,603	8.4	6.2	- 10.6	
45–54	2,547	76.0	73.6	- 78.5	2,537	12.6	10.6	- 14.7	
55–64	3,441	76.5	74.4	- 78.7	3,371	21.9	19.7	- 24.0	
65–74	3,165	75.7	73.3	- 78.2	3,040	35.5	32.7	- 38.3	
75 AND OLDER	2,337	67.1	64.0	- 70.2	2,241	45.4	42.2	- 48.7	
RACE-ETHNICITY*									
WHITE	12,588	76.4	75.2	- 77.6	12,317	16.4	15.4	- 17.4	
BLACK	793	65.6	60.3	- 70.9	774	20.4	16.2	- 24.7	
HISPANIC	843	68.1	63.4	- 72.8	836	17.3	13.6	- 21.0	
ASIAN	341	74.9	68.6	- 81.2	†				
DISABILITY [¶]									
DISABILITY	5,199	66.8	64.7	- 69.0	5,086	30.0	27.9	- 32.1	
NO DISABILITY	9,300	78.3	76.9	- 79.6	9,137	9.6	8.8	- 10.5	
EDUCATION									
< HIGH SCHOOL	935	59.7	54.8	- 64.7	923	38.1	33.3	- 42.9	
HIGH SCHOOL	3,488	67.7	65.3	- 70.2	3,388	22.1	20.2	- 24.0	
COLLEGE 1–3 YRS	3,663	74.6	72.5	- 76.8	3,584	14.0	12.6	- 15.4	
COLLEGE 4+ YRS	7,085	84.3	83.1	- 85.6	6,971	5.2	4.7	- 5.8	
HOUSEHOLD INCOME									
<\$25,000	3,268	59.4	56.5	- 62.4	3,226	29.9	27.3	- 32.5	
\$25,000–34,999	1,238	66.4	62.1	- 70.8	1,204	25.0	21.0	- 29.1	
\$35,000–49,999	1,665	69.7	66.1	- 73.3	1,621	19.1	16.4	- 21.8	
\$50,000–74,999	1,870	77.9	74.8	- 80.9	1,824	11.1	9.3	- 13.0	
\$75,000+	4,792	86.0	84.5	- 87.5	4,743	5.8	4.9	- 6.8	

* White, Black, and Asian race categories refer to non-Hispanic

† Insufficient data

¶ See p 62 for definition of disability

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 his/her 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 his/her 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, 2014

	CURRENT SMOKER					FORMER SMOKER				
	N	%	95% CI			N	%	95% CI		
OVERALL	14,686	14.7	13.7	-	15.7	14,686	26.8	25.8	-	27.9
GENDER										
MALE	5,897	16.7	15.1	-	18.3	5,897	28.2	26.6	-	29.8
FEMALE	8,789	12.9	11.7	-	14.1	8,789	25.6	24.2	-	27.0
AGE GROUP										
18–24	620	11.5	8.4	-	14.7	620	5.2	3.0	-	7.4
25–34	1,199	21.2	18.1	-	24.4	1,199	15.5	12.8	-	18.3
35–44	1,515	14.7	12.0	-	17.4	1,515	22.0	19.2	-	24.8
45–54	2,424	18.4	16.1	-	20.7	2,424	26.1	23.7	-	28.5
55–64	3,309	15.9	13.9	-	17.8	3,309	35.1	32.7	-	37.5
65–74	3,070	10.3	8.6	-	12.0	3,070	47.3	44.5	-	50.0
75 AND OLDER	2,264	4.4	3.0	-	5.7	2,264	49.1	45.9	-	52.3
RACE-ETHNICITY*										
WHITE	12,107	14.9	13.8	-	16.0	12,107	30.9	29.7	-	32.2
BLACK	739	17.7	13.2	-	22.2	739	14.8	11.0	-	18.6
HISPANIC	796	16.9	12.9	-	20.8	796	13.6	10.4	-	16.7
ASIAN	320	6.2	2.8	-	9.5	320	13.1	8.6	-	17.6
DISABILITY [¶]										
DISABILITY	5,263	24.3	22.1	-	26.5	5,263	31.0	29.0	-	33.0
NO DISABILITY	9,318	10.4	9.4	-	11.4	9,318	25.0	23.8	-	26.3
EDUCATION										
< HIGH SCHOOL	911	28.2	23.4	-	33.0	911	24.8	20.7	-	28.9
HIGH SCHOOL	3,347	20.1	18.0	-	22.3	3,347	29.6	27.2	-	31.9
COLLEGE 1–3 YRS	3,551	16.1	14.2	-	17.9	3,551	28.5	26.4	-	30.6
COLLEGE 4+ YRS	6,798	5.7	4.9	-	6.4	6,798	24.3	23.0	-	25.6
HOUSEHOLD INCOME										
<\$25,000	3,199	26.3	23.4	-	29.1	3,199	24.7	22.3	-	27.0
\$25,000–34,999	1,200	22.7	18.4	-	27.0	1,200	27.6	23.6	-	31.6
\$35,000–49,999	1,625	16.9	14.0	-	19.8	1,625	31.6	28.1	-	35.1
\$50,000–74,999	1,819	12.0	9.7	-	14.4	1,819	31.2	28.1	-	34.3
\$75,000+	4,623	6.7	5.7	-	7.8	4,623	27.5	25.7	-	29.2

* White, Black, and Asian race categories refer to non-Hispanic

¶ See p 62 for definition of disability

TABLE 3.1.2 - SMOKELESS TOBACCO USE AMONG MASSACHUSETTS ADULTS, 2014

	USE SMOKELESS TOBACCO		
	N	%	95% CI
OVERALL	14,776	1.5	1.2 - 1.8
GENDER			
MALE	5,921	2.5	1.8 - 3.1
FEMALE	8,855	0.6	0.4 - 0.9
AGE GROUP			
18-24	†		
25-34	1,205	2.1	1.2 - 3.1
35-44	1,524	1.4	0.7 - 2.1
45-54	2,431	1.4	0.7 - 2.0
55-64	3,332	1.1	0.6 - 1.6
65-74	3,093	1.0	0.4 - 1.5
75 AND OLDER	†		
RACE-ETHNICITY*			
WHITE	12,180	1.5	1.1 - 1.9
BLACK	†		
HISPANIC	†		
ASIAN	†		
DISABILITY[¶]			
DISABILITY	5,296	1.9	1.1 - 2.7
NO DISABILITY	9,372	1.3	1.0 - 1.7
EDUCATION			
< HIGH SCHOOL	914		-
HIGH SCHOOL	3,367	1.6	0.9 - 2.2
COLLEGE 1-3 YRS	3,567	1.1	0.6 - 1.7
COLLEGE 4+ YRS	6,847	1.4	1.0 - 1.8
HOUSEHOLD INCOME			
<\$25,000	3,221	2.3	1.1 - 3.4
\$25,000-34,999	†		
\$35,000-49,999	†		
\$50,000-74,999	†		
\$75,000+	4,643	1.5	1.0 - 2.0

* White, Black, and Asian race categories refer to non-Hispanic

† Insufficient data

¶ See p 62 for definition of disability

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, 2014			
	QUIT ATTEMPT		
	N	%	95% CI
OVERALL	1,903	65.2	61.8 - 68.6
GENDER			
MALE	836	66.6	61.8 - 71.5
FEMALE	1,067	63.5	58.8 - 68.3
AGE GROUP			
18–24	74	70.6	58.3 - 82.9
25–34	215	70.6	62.5 - 78.8
35–44	206	70.5	61.9 - 79.2
45–54	436	58.4	51.4 - 65.5
55–64	530	66.2	60.0 - 72.4
65–74	321	61.3	53.0 - 69.6
75 AND OLDER	99	34.9	20.6 - 49.2
RACE-ETHNICITY*			
WHITE	1,541	61.0	57.0 - 65.0
BLACK	124	73.7	61.4 - 86.1
HISPANIC	122	79.7	70.1 - 89.2
ASIAN	†		
DISABILITY [¶]			
DISABILITY	992	67.2	62.2 - 72.1
NO DISABILITY	898	62.6	57.9 - 67.4
EDUCATION			
< HIGH SCHOOL	226	67.0	57.6 - 76.4
HIGH SCHOOL	639	62.8	57.1 - 68.5
COLLEGE 1–3 YRS	583	66.6	60.8 - 72.3
COLLEGE 4+ YRS	446	65.4	59.1 - 71.6
HOUSEHOLD INCOME			
<\$25,000	704	67.1	61.3 - 72.9
\$25,000–34,999	204	61.2	50.2 - 72.2
\$35,000–49,999	237	58.3	48.7 - 67.8
\$50,000–74,999	215	65.7	55.3 - 76.1
\$75,000+	295	67.6	60.2 - 75.0

* White, Black, and Asian race categories refer to non-Hispanic
† Insufficient data
¶ See p 62 for definition of disability

SECTION 3.3: ENVIRONMENTAL TOBACCO SMOKE

Respondents were asked about rules regarding smoking in their households. Presented here is the percentage of adults reporting that no smoking was permitted anywhere in their household. Respondents were also asked about exposure to environmental tobacco smoke (ETS) at their home, work, or other places. Among the employed, ETS exposure was defined as any report of exposure to ETS at work, at home, or in other places in the past 7 days. Among those not employed, ETS exposure was defined as any exposure to ETS at home or in other places in the past 7 days.

Questions about ETS were asked only on the MA BRFSS landline survey in 2014 and not the cell phone survey; therefore the results in Table 3.3 represent the landline sample only.

TABLE 3.3 – ENVIRONMENTAL TOBACCO AMONG MASSACHUSETTS ADULTS, 2014

	NO SMOKING ALLOWED IN HOUSEHOLD				EXPOSED TO ETS					
	N	%	95% CI			N	%	95% CI		
OVERALL	7,217	81.0	79.0	-	83.0	7,058	34.6	32.1	-	37.2
GENDER										
MALE	2,650	78.6	75.3	-	81.9	2,584	38.2	34.4	-	42.1
FEMALE	4,567	83.2	80.8	-	85.6	4,474	31.3	28.0	-	34.6
AGE GROUP										
18–24	138	84.9	77.7	-	92.0	130	56.1	45.1	-	67.1
25–34	300	77.7	71.2	-	84.1	297	52.3	44.5	-	60.0
35–44	625	85.0	79.8	-	90.3	616	34.4	28.4	-	40.4
45–54	1,124	76.5	71.9	-	81.2	1,101	30.5	26.1	-	35.0
55–64	1,724	80.0	76.2	-	83.8	1,699	26.2	22.1	-	30.2
65–74	1,769	81.5	78.2	-	84.8	1,733	21.3	18.1	-	24.6
75 AND OLDER	1,410	83.8	80.7	-	86.9	1,364	11.8	9.1	-	14.5
RACE-ETHNICITY*										
WHITE	6,229	81.1	78.8	-	83.3	6,111	34.0	31.2	-	36.9
BLACK	352	74.8	66.2	-	83.4	337	43.4	33.4	-	53.3
HISPANIC	314	79.0	71.4	-	86.6	297	40.1	30.5	-	49.6
ASIAN	133	96.5	92.3	-	100	131	20.2	9.4	-	31.0
DISABILITY [¶]										
DISABILITY	2,814	74.1	70.4	-	77.9	2,723	40.5	36.1	-	45.0
NO DISABILITY	4,355	84.4	82.0	-	86.7	4,291	31.7	28.6	-	34.7
EDUCATION										
< HIGH SCHOOL	454	68.4	60.2	-	76.7	415	38.4	29.6	-	47.2
HIGH SCHOOL	1,720	74.1	69.4	-	78.8	1,662	41.6	36.1	-	47.1
COLLEGE 1–3 YRS	1,725	78.7	74.8	-	82.6	1,692	38.2	33.0	-	43.5
COLLEGE 4+ YRS	3,289	91.5	89.9	-	93.1	3,262	26.1	23.0	-	29.1
HOUSEHOLD INCOME										
<\$25,000	1,635	69.0	63.9	-	74.1	1,558	46.0	40.4	-	51.7
\$25,000–34,999	622	71.6	61.7	-	81.5	606	33.8	24.7	-	42.9
\$35,000–49,999	830	74.8	67.7	-	81.9	823	31.5	24.2	-	38.9
\$50,000–74,999	871	80.4	74.1	-	86.7	865	31.8	24.6	-	39.1
\$75,000+	2,125	92.2	90.5	-	94.0	2,112	29.0	25.0	-	33.1

* White, Black, and Asian race categories refer to non-Hispanic

¶ See p 62 for definition of disability

SECTION 3.4: 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 60 drinks in the past month for men and consumption of more than 30 drinks 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 3.4 – ALCOHOL USE AMONG MASSACHUSETTS ADULTS, 2014

	BINGE DRINKING				HEAVY DRINKING			
	N	%	95% CI		N	%	95% CI	
OVERALL	14,343	17.4	16.4	- 18.4	14,290	7.0	6.3	- 7.6
GENDER								
MALE	5,719	23.0	21.3	- 24.7	5,691	7.2	6.2	- 8.2
FEMALE	8,624	12.4	11.2	- 13.5	8,599	6.8	6.0	- 7.6
AGE GROUP								
18–24	601	26.6	22.6	- 30.6	597	8.0	5.6	- 10.4
25–34	1,160	31.3	27.9	- 34.8	1,163	9.1	7.0	- 11.2
35–44	1,474	19.6	16.9	- 22.3	1,478	5.7	4.2	- 7.2
45–54	2,364	16.9	14.8	- 19.1	2,363	8.1	6.6	- 9.6
55–64	3,252	11.4	9.8	- 13.0	3,238	6.7	5.5	- 7.9
65–74	3,016	6.9	5.4	- 8.3	2,993	6.2	4.9	- 7.5
75 AND OLDER	2,218	1.9	1.2	- 2.7	2,200	3.8	2.7	- 4.8
RACE-ETHNICITY*								
WHITE	11,876	17.8	16.7	- 19.0	11,832	7.9	7.1	- 8.7
BLACK	704	14.2	10.0	- 18.4	704	3.3	1.5	- 5.1
HISPANIC	765	14.2	10.5	- 17.9	753	4.6	2.4	- 6.8
ASIAN	311	10.4	5.7	- 15.1	†			
DISABILITY [¶]								
DISABILITY	5,149	12.9	11.3	- 14.6	5,128	7.5	6.2	- 8.7
NO DISABILITY	9,092	19.4	18.1	- 20.6	9,058	6.7	6.0	- 7.5
EDUCATION								
< HIGH SCHOOL	875	11.8	8.3	- 15.4	864	5.5	3.2	- 7.9
HIGH SCHOOL	3,249	15.7	13.6	- 17.8	3,243	6.0	4.7	- 7.2
COLLEGE 1–3 YRS	3,453	18.8	16.7	- 21.0	3,439	8.1	6.7	- 9.6
COLLEGE 4+ YRS	6,698	19.3	17.9	- 20.7	6,675	7.3	6.5	- 8.2
HOUSEHOLD INCOME								
<\$25,000	3,129	13.2	11.0	- 15.4	3,114	5.2	3.8	- 6.6
\$25,000–34,999	1,180	17.0	13.3	- 20.7	1,175	7.3	5.0	- 9.7
\$35,000–49,999	1,591	17.7	14.4	- 21.0	1,584	7.0	5.0	- 8.9
\$50,000–74,999	1,790	20.0	17.1	- 22.9	1,784	7.1	5.3	- 9.0
\$75,000+	4,534	22.5	20.7	- 24.3	4,530	8.8	7.6	- 9.9

* White, Black, and Asian race categories refer to non-Hispanic

† Insufficient data

¶ See p 62 for definition of disability

SECTION 3.5: 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 3.5 – OVERWEIGHT AND OBESE AMONG MASSACHUSETTS ADULTS, 2014

	OVERWEIGHT (BMI ≥ 25.0)				OBESE (BMI ≥ 30.0)			
	N	%	95% CI		N	%	95% CI	
OVERALL	14,394	58.9	57.6	- 60.2	14,394	23.3	22.3	- 24.4
GENDER								
MALE	6,026	66.7	64.9	- 68.6	6,026	23.6	22.0	- 25.2
FEMALE	8,368	51.1	49.3	- 52.9	8,368	23.0	21.6	- 24.5
AGE GROUP								
18–24	618	38.9	34.1	- 43.8	618	10.6	7.8	- 13.5
25–34	1,148	52.9	49.2	- 56.6	1,148	18.6	15.8	- 21.5
35–44	1,502	59.9	56.5	- 63.3	1,502	24.4	21.5	- 27.4
45–54	2,388	66.7	64.1	- 69.3	2,388	30.3	27.6	- 33.0
55–64	3,243	67.4	65.1	- 69.7	3,243	28.4	26.1	- 30.6
65–74	3,013	69.1	66.5	- 71.7	3,013	31.4	28.7	- 34.1
75 AND OLDER	2,285	54.8	51.6	- 58.0	2,285	17.1	14.7	- 19.5
RACE-ETHNICITY*								
WHITE	11,875	59.5	58.1	- 60.9	11,875	22.9	21.7	- 24.0
BLACK	734	71.8	66.6	- 77.0	734	34.3	28.9	- 39.7
HISPANIC	764	63.9	58.8	- 69.0	764	32.6	27.6	- 37.6
ASIAN	321	33.7	27.2	- 40.2	321	5.6	2.4	- 8.8
DISABILITY [¶]								
DISABILITY	5,005	65.4	63.1	- 67.8	5,005	33.2	31.0	- 35.4
NO DISABILITY	8,814	56.6	55.0	- 58.2	8,814	19.3	18.0	- 20.5
EDUCATION								
< HIGH SCHOOL	891	62.2	56.9	- 67.5	891	30.2	25.5	- 34.9
HIGH SCHOOL	3,301	62.5	59.7	- 65.2	3,301	26.4	24.1	- 28.7
COLLEGE 1–3 YRS	3,473	61.2	58.6	- 63.8	3,473	26.1	24.0	- 28.2
COLLEGE 4+ YRS	6,674	53.5	51.8	- 55.2	6,674	17.0	15.8	- 18.2
HOUSEHOLD INCOME								
<\$25,000	3,177	60.2	57.1	- 63.3	3,177	30.3	27.5	- 33.1
\$25,000–34,999	1,207	61.4	56.9	- 65.9	1,207	24.9	20.9	- 28.9
\$35,000–49,999	1,594	64.6	60.8	- 68.3	1,594	27.1	23.8	- 30.5
\$50,000–74,999	1,796	61.3	57.6	- 65.0	1,796	25.0	22.0	- 28.0
\$75,000+	4,587	58.3	56.2	- 60.4	4,587	19.5	17.9	- 21.0

* White, Black, and Asian race categories refer to non-Hispanic

¶ See p 62 for definition of disability

SECTION 3.6: PHYSICAL ACTIVITY

In 2014, 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 3.6 - ANY LEISURE TIME PHYSICAL ACTIVITY AMONG MASSACHUSETTS ADULTS, 2014			
	EXERCISED IN THE PAST MONTH		
	N	%	95% CI
OVERALL	15,632	79.9	78.9 - 80.9
GENDER			
MALE	6,257	81.9	80.4 - 83.4
FEMALE	9,375	78.1	76.7 - 79.5
AGE GROUP			
18–24	679	87.1	83.6 - 90.5
25–34	1,286	83.0	80.1 - 85.9
35–44	1,626	82.2	79.5 - 84.9
45–54	2,573	79.6	77.2 - 82.0
55–64	3,483	79.5	77.5 - 81.6
65–74	3,224	76.2	73.7 - 78.8
75 AND OLDER	2,420	64.1	61.1 - 67.1
RACE-ETHNICITY*			
WHITE	12,786	82.0	80.9 - 83.1
BLACK	809	74.6	69.6 - 79.6
HISPANIC	869	67.2	62.5 - 71.9
ASIAN	350	79.0	73.1 - 84.9
DISABILITY[¶]			
DISABILITY	5,333	66.2	64.0 - 68.4
NO DISABILITY	9,409	86.1	85.0 - 87.3
EDUCATION			
< HIGH SCHOOL	980	59.8	55.0 - 64.7
HIGH SCHOOL	3,583	72.3	70.0 - 74.6
COLLEGE 1–3 YRS	3,733	81.4	79.6 - 83.3
COLLEGE 4+ YRS	7,132	90.8	89.9 - 91.7
HOUSEHOLD INCOME			
<\$25,000	3,372	65.1	62.3 - 68.0
\$25,000–34,999	1,268	76.0	72.3 - 79.7
\$35,000–49,999	1,691	78.9	75.5 - 82.2
\$50,000–74,999	1,884	83.9	81.1 - 86.6
\$75,000+	4,810	90.7	89.6 - 91.9

* White, Black, and Asian race categories refer to non-Hispanic
[¶] See p 62 for definition of disability

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, 2014										
	FLU VACCINE IN PAST YEAR, AGES 18-49					FLU VACCINE IN PAST YEAR, AGES 50-64				
	N	%	95% CI			N	%	95% CI		
OVERALL	4,333	37.5	35.5	-	39.5	4,663	45.6	43.5	-	47.8
GENDER										
MALE	1,867	32.6	29.8	-	35.4	1,899	44.6	41.4	-	47.8
FEMALE	2,466	42.3	39.6	-	45.1	2,744	46.6	43.8	-	49.4
AGE GROUP										
18-24	608	35.0	30.2	-	39.9					
25-34	1,188	37.3	33.7	-	40.8					
35-44	1,495	38.1	34.9	-	41.4					
45-49	1,042	41.1	37.0	-	45.2					
50-64						4,663	45.6	43.5	-	47.8
RACE-ETHNICITY*										
WHITE	3,072	36.8	34.4	-	39.2	3,961	45.7	43.5	-	48.0
BLACK	313	40.7	32.9	-	48.6	205	39.5	29.5	-	49.5
HISPANIC	426	42.3	35.9	-	48.8	235	47.2	37.3	-	57.0
ASIAN	209	35.1	27.2	-	43.0	69	53.2	36.4	-	70.1
DISABILITY [¶]										
DISABILITY	1,054	38.9	34.5	-	43.2	1,637	52.4	48.6	-	56.2
NO DISABILITY	3,256	37.2	35.0	-	39.5	2,974	42.2	39.6	-	44.7
EDUCATION										
< HIGH SCHOOL	210	36.1	27.4	-	44.7	250	45.2	36.3	-	54.1
HIGH SCHOOL	792	29.1	24.8	-	33.3	986	40.0	35.5	-	44.6
COLLEGE 1-3 YRS	1,056	34.2	30.4	-	38.0	1,092	44.8	40.5	-	49.0
COLLEGE 4+ YRS	2,258	45.9	43.4	-	48.5	2,300	50.1	47.4	-	52.8
HOUSEHOLD INCOME										
<\$25,000	761	33.5	28.6	-	38.5	929	42.8	37.4	-	48.1
\$25,000-34,999	301	37.6	30.2	-	45.0	299	37.2	29.0	-	45.4
\$35,000-49,999	430	32.3	26.5	-	38.1	445	44.1	37.2	-	51.1
\$50,000-74,999	503	32.0	26.6	-	37.4	615	47.0	41.0	-	53.0
\$75,000+	1,796	44.8	41.7	-	47.9	1,819	46.8	43.7	-	49.9

* White, Black, and Asian race categories refer to non-Hispanic
[¶] See p 62 for definition of disability

TABLE 4.1.2 – FLU VACCINE AMONG MASSACHUSETTS ADULTS, AGES 65 YEARS AND OLDER, 2014

	FLU VACCINE IN PAST YEAR, AGES 65+		
	N	%	95% CI
OVERALL	5,302	57.8	55.7 - 59.8
GENDER			
MALE	1,967	58.1	54.8 - 61.4
FEMALE	3,335	57.5	54.9 - 60.1
AGE GROUP			
65–74	3,053	56.1	53.3 - 58.8
75 AND OLDER	2,249	60.0	56.8 - 63.1
RACE-ETHNICITY*			
WHITE	4,768	57.9	55.7 - 60.0
BLACK	195	41.2	30.1 - 52.4
HISPANIC	128	72.2	60.1 - 84.3
ASIAN	†		
DISABILITY¶			
DISABILITY	2,455	58.4	55.2 - 61.6
NO DISABILITY	2,797	57.4	54.6 - 60.1
EDUCATION			
< HIGH SCHOOL	434	54.8	46.9 - 62.6
HIGH SCHOOL	1,472	54.4	50.6 - 58.2
COLLEGE 1–3 YRS	1,309	57.3	53.4 - 61.2
COLLEGE 4+ YRS	2,063	63.7	60.9 - 66.5
HOUSEHOLD INCOME			
<\$25,000	1,450	57.5	53.2 - 61.9
\$25,000–34,999	584	57.3	50.9 - 63.7
\$35,000–49,999	721	59.3	53.8 - 64.8
\$50,000–74,999	653	57.4	51.3 - 63.5
\$75,000+	912	60.5	56.2 - 64.7

* White, Black, and Asian race categories refer to non-Hispanic

† Insufficient data

¶ See p 62 for definition of disability

TABLE 4.1.3 – PNEUMONIA VACCINE AMONG MASSACHUSETTS ADULTS, AGES 65 YEARS AND OLDER, 2014

	EVER HAD PNEUMONIA VACCINE		
	N	%	95% CI
OVERALL	4,981	71.9	70.0 - 73.8
GENDER			
MALE	1,796	67.0	63.7 - 70.3
FEMALE	3,185	75.4	73.1 - 77.6
AGE GROUP			
65–74	2,854	66.6	64.0 - 69.3
75 AND OLDER	2,127	78.5	75.8 - 81.2
RACE-ETHNICITY*			
WHITE	4,495	72.7	70.7 - 74.7
BLACK	179	66.3	55.2 - 77.4
HISPANIC	111	58.7	44.1 - 73.2
ASIAN	†		
DISABILITY¶			
DISABILITY	2,315	74.2	71.2 - 77.2
NO DISABILITY	2,623	69.9	67.3 - 72.4
EDUCATION			
< HIGH SCHOOL	399	69.7	62.2 - 77.2
HIGH SCHOOL	1,395	72.6	69.1 - 76.0
COLLEGE 1–3 YRS	1,248	73.1	69.5 - 76.7
COLLEGE 4+ YRS	1,916	71.4	68.6 - 74.1
HOUSEHOLD INCOME			
<\$25,000	1,373	75.0	71.0 - 78.9
\$25,000–34,999	560	76.1	70.5 - 81.8
\$35,000–49,999	681	70.6	65.2 - 76.1
\$50,000–74,999	626	74.0	69.2 - 78.9
\$75,000+	836	67.9	63.6 - 72.2

* White, Black, and Asian race categories refer to non-Hispanic

† Insufficient data

¶ See p 62 for definition of disability

SECTION 4.2: HUMAN PAPILLOMA VIRUS (HPV) VACCINATION

All respondents between the ages of 18-34 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, 2014

	EVER HAD HPV VACCINE				COMPLETED SERIES **			
	N	%	95% CI		N	%	95% CI	
OVERALL	359	47.6	40.1	- 55.1	147	79.8	71.2	- 88.4
AGE GROUP								
18–24	98	66.8	54.8	- 78.9	64	78.8	66.8	- 90.8
25–34	261	32.7	24.5	- 40.9	83	81.4	69.8	- 93.0
RACE-ETHNICITY*								
WHITE	249	48.9	39.5	- 58.4	107	88.2	79.7	- 96.6
BLACK	†				†			
HISPANIC	†				†			
ASIAN	†				†			
DISABILITY¶								
DISABILITY	96	42.4	27.3	- 57.5	†			
NO DISABILITY	263	49.8	41.3	- 58.3	110	81.0	71.0	- 91.0
EDUCATION								
< HIGH SCHOOL	†				†			
HIGH SCHOOL	59	31.0	14.0	- 48.0	†			
COLLEGE 1–3 YRS	124	56.0	44.1	- 67.9	52	82.7	70.3	- 95.0
COLLEGE 4+ YRS	156	53.1	42.2	- 64.1	71	86.0	74.9	- 97.1
HOUSEHOLD INCOME								
<\$25,000	80	28.8	16.1	- 41.4	†			
\$25,000–34,999	†				†			
\$35,000–49,999	†				†			
\$50,000–74,999	†				†			
\$75,000+	121	54.8	41.9	- 67.7	†			

* White, Black, and Asian race categories refer to non-Hispanic

† Insufficient data

¶ See p 62 for definition of disability

** Analysis conducted among those who reported ever having had vaccine

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.

Questions about HBV vaccination were asked only on the MA BRFSS landline survey in 2014 and not the cell phone survey; therefore the results in Table 4.3 represent the landline sample only.

TABLE 4.3 – HEPATITIS B VACCINE AMONG MASSACHUSETTS ADULTS, 2014			
	RECEIVED 3 SHOTS HBV VACCINE		
	N	%	95% CI
OVERALL	8,876	41.3	39.0 - 43.5
GENDER			
MALE	3,187	38.7	35.3 - 42.2
FEMALE	5,689	43.6	40.8 - 46.5
AGE GROUP			
18–24	146	57.3	47.3 - 67.4
25–34	391	66.1	59.7 - 72.5
35–44	754	50.7	45.1 - 56.4
45–54	1,336	38.8	34.6 - 43.0
55–64	2,131	28.9	25.7 - 32.0
65–74	2,204	22.4	19.5 - 25.4
75 AND OLDER	1,749	7.0	5.3 - 8.6
RACE-ETHNICITY*			
WHITE	7,686	37.8	35.4 - 40.3
BLACK	436	54.0	45.5 - 62.6
HISPANIC	356	50.7	41.6 - 59.7
ASIAN	133	65.9	54.4 - 77.5
DISABILITY[¶]			
DISABILITY	3,478	36.2	32.3 - 40.0
NO DISABILITY	5,342	44.1	41.4 - 46.9
EDUCATION			
< HIGH SCHOOL	554	27.4	20.2 - 34.7
HIGH SCHOOL	2,174	32.5	27.7 - 37.2
COLLEGE 1–3 YRS	2,154	45.5	41.0 - 50.0
COLLEGE 4+ YRS	3,951	48.8	45.8 - 51.7
HOUSEHOLD INCOME			
<\$25,000	2,073	35.5	30.4 - 40.6
\$25,000–34,999	776	41.6	33.2 - 49.9
\$35,000–49,999	1,011	37.0	30.3 - 43.6
\$50,000–74,999	1,118	35.7	29.6 - 41.8
\$75,000+	2,586	48.2	44.7 - 51.7

* White, Black, and Asian race categories refer to non-Hispanic
[¶] See p 62 for definition of disability

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 50 or older who had ever received the shingles vaccine.

Questions about shingles vaccine were asked only on the MA BRFSS landline survey in 2014 and not the cell phone survey; therefore the results in Table 4.4 represent the landline sample only.

TABLE 4.4 – SHINGLES VACCINE AMONG MASSACHUSETTS ADULTS, AGE 60+, 2014			
	EVER HAD SHINGLES VACCINE		
	N	%	95% CI
OVERALL	6,017	38.4	36.4 - 40.4
GENDER			
MALE	2,148	36.9	33.7 - 40.2
FEMALE	3,869	39.6	37.2 - 42.0
AGE GROUP			
60-69	2,788	36.1	33.2 - 39.0
70-79	1,940	42.5	39.0 - 45.9
80 AND OLDER	1,289	38.3	34.1 - 42.5
RACE-ETHNICITY*			
WHITE	5,426	40.3	38.3 - 42.4
BLACK	229	19.5	11.3 - 27.7
HISPANIC	150	27.9	15.7 - 40.1
ASIAN	36	.	. - .
DISABILITY [†]			
DISABILITY	2,718	33.2	30.3 - 36.0
NO DISABILITY	3,248	42.6	39.9 - 45.4
EDUCATION			
< HIGH SCHOOL	462	27.8	21.0 - 34.6
HIGH SCHOOL	1,619	35.2	31.5 - 38.9
COLLEGE 1–3 YRS	1,490	37.9	34.2 - 41.5
COLLEGE 4+ YRS	2,421	47.7	45.0 - 50.4
HOUSEHOLD INCOME			
<\$25,000	1,615	29.0	24.9 - 33.0
\$25,000–34,999	637	39.3	33.1 - 45.5
\$35,000–49,999	795	38.7	33.4 - 44.1
\$50,000–74,999	771	49.1	43.3 - 54.8
\$75,000+	1,148	45.7	41.8 - 49.7

* White, Black, and Asian race categories refer to non-Hispanic
[†] Insufficient data
[¶] See p 62 for definition of disability

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.

Questions about pre-diabetes were asked only on the MA BRFSS landline survey in 2014 and not the cell phone survey; therefore the pre-diabetes results in Table 5.1 represent the landline sample only. Questions on diabetes were asked on both the landline and cell phone surveys, and unlike pre-diabetes, results for diabetes represent the combined sample.

TABLE 5.1 – DIABETES AMONG MASSACHUSETTS ADULTS, 2014

	PRE-DIABETES				DIABETES			
	N	%	95% CI		N	%	95% CI	
OVERALL	8,852	7.0	6.1	- 7.8	15,618	9.7	9.0	- 10.4
GENDER								
MALE	3,080	7.5	6.1	- 8.9	6,253	11.5	10.3	- 12.6
FEMALE	5,772	6.5	5.5	- 7.5	9,365	8.1	7.3	- 8.8
AGE GROUP								
18–24	†				†			
25–34	†				1,286	2.5	1.4	- 3.6
35–44	†				1,624	4.7	3.2	- 6.2
45–54	1,437	7.1	5.1	- 9.1	2,569	9.3	7.6	- 11.0
55–64	2,098	11.1	8.9	- 13.2	3,479	14.8	12.9	- 16.6
65–74	2,032	15.8	13.1	- 18.5	3,224	22.4	19.9	- 24.8
75 AND OLDER	1,638	13.5	10.7	- 16.3	2,424	19.0	16.6	- 21.4
RACE-ETHNICITY*								
WHITE	7,683	6.9	6.0	- 7.8	12,779	9.4	8.7	- 10.2
BLACK	410	12.7	7.1	- 18.4	810	11.5	8.6	- 14.5
HISPANIC	353	5.2	2.3	- 8.2	866	13.9	10.6	- 17.2
ASIAN	†				347	5.4	2.6	- 8.3
DISABILITY [¶]								
DISABILITY	3,106	10.6	8.7	- 12.5	5,335	18.0	16.3	- 19.7
NO DISABILITY	5,682	5.3	4.5	- 6.2	9,399	6.1	5.5	- 6.8
EDUCATION								
< HIGH SCHOOL	488	8.0	4.6	- 11.4	982	18.7	14.9	- 22.4
HIGH SCHOOL	2,033	8.8	6.7	- 10.8	3,584	11.5	10.1	- 12.9
COLLEGE 1–3 YRS	2,076	7.5	5.7	- 9.3	3,732	9.3	8.1	- 10.5
COLLEGE 4+ YRS	4,215	5.2	4.3	- 6.0	7,119	5.8	5.1	- 6.4
HOUSEHOLD INCOME								
<\$25,000	1,819	10.1	7.4	- 12.8	3,371	17.0	14.9	- 19.1
\$25,000–34,999	729	7.4	4.5	- 10.3	1,268	11.7	9.2	- 14.2
\$35,000–49,999	991	8.3	5.5	- 11.2	1,691	9.2	7.4	- 11.1
\$50,000–74,999	1,122	7.3	5.1	- 9.4	1,883	10.0	7.8	- 12.2
\$75,000+	2,826	4.6	3.6	- 5.6	4,802	5.3	4.6	- 6.1

* White, Black, and Asian race categories refer to non-Hispanic

† Insufficient data

¶ See p 62 for definition of disability

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, 2014										
	EVER HAD ASTHMA					CURRENTLY HAVE ASTHMA				
	N	%	95% CI			N	%	95% CI		
OVERALL	15,589	17.6	16.6	-	18.6	15,510	12.0	11.1	-	12.8
GENDER										
MALE	6,242	14.1	12.7	-	15.4	6,222	8.2	7.1	-	9.3
FEMALE	9,347	20.8	19.4	-	22.2	9,288	15.5	14.2	-	16.7
AGE GROUP										
18–24	678	22.1	18.1	-	26.0	671	13.8	10.4	-	17.2
25–34	1,284	21.8	18.9	-	24.7	1,273	12.9	10.4	-	15.3
35–44	1,621	16.6	14.2	-	19.0	1,611	11.2	9.2	-	13.2
45–54	2,560	16.7	14.7	-	18.7	2,551	12.7	10.9	-	14.6
55–64	3,472	16.2	14.3	-	18.0	3,461	12.7	11.0	-	14.3
65–74	3,217	16.0	13.8	-	18.2	3,200	10.5	8.7	-	12.2
75 AND OLDER	2,419	12.4	10.3	-	14.5	2,405	9.0	7.1	-	10.8
RACE-ETHNICITY*										
WHITE	12,749	16.9	15.8	-	18.0	12,686	11.8	10.8	-	12.7
BLACK	811	20.3	15.9	-	24.8	806	15.6	11.5	-	19.6
HISPANIC	867	25.3	21.1	-	29.5	861	16.5	12.9	-	20.2
ASIAN	350	10.9	6.5	-	15.3	348			-	
DISABILITY†										
DISABILITY	5,311	27.4	25.3	-	29.5	5,269	21.5	19.5	-	23.4
NO DISABILITY	9,394	13.7	12.6	-	14.8	9,361	8.2	7.4	-	9.1
EDUCATION										
< HIGH SCHOOL	980	23.8	19.5	-	28.0	974	18.7	14.9	-	22.6
HIGH SCHOOL	3,573	17.5	15.4	-	19.5	3,559	12.1	10.4	-	13.8
COLLEGE 1–3 YRS	3,728	18.8	16.9	-	20.8	3,708	12.5	10.9	-	14.2
COLLEGE 4+ YRS	7,103	15.1	13.9	-	16.2	7,065	9.6	8.6	-	10.6
HOUSEHOLD INCOME										
<\$25,000	3,365	24.9	22.2	-	27.5	3,345	18.6	16.3	-	21.0
\$25,000–34,999	1,270	18.1	14.6	-	21.6	1,266	13.2	10.0	-	16.3
\$35,000–49,999	1,685	15.1	12.6	-	17.7	1,677	9.7	7.7	-	11.8
\$50,000–74,999	1,880	15.1	12.5	-	17.6	1,870	8.4	6.5	-	10.3
\$75,000+	4,788	15.1	13.6	-	16.6	4,769	9.8	8.5	-	11.0

* White, Black, and Asian race categories refer to non-Hispanic
† Insufficient data
¶ See p 62 for definition of disability

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, 2014			
	EVER DIAGNOSED WITH COPD		
	N	%	95% CI
OVERALL	15,555	6.5	5.9 - 7.1
GENDER			
MALE	6,222	5.8	4.9 - 6.6
FEMALE	9,333	7.2	6.3 - 8.1
AGE GROUP			
18–24	†		
25–34	1,283	2.0	1.0 - 3.1
35–44	1,619	4.6	2.8 - 6.4
45–54	2,564	6.9	5.4 - 8.4
55–64	3,466	8.7	7.3 - 10.1
65–74	3,204	12.4	10.5 - 14.3
75 AND OLDER	2,407	13.0	10.9 - 15.2
RACE-ETHNICITY*			
WHITE	12,730	7.0	6.3 - 7.7
BLACK	808	3.5	1.9 - 5.1
HISPANIC	860	6.9	4.1 - 9.6
ASIAN	†		
DISABILITY[¶]			
DISABILITY	5,282	15.8	14.1 - 17.5
NO DISABILITY	9,391	2.5	2.1 - 2.9
EDUCATION			
< HIGH SCHOOL	970	17.5	13.8 - 21.1
HIGH SCHOOL	3,563	8.7	7.4 - 9.9
COLLEGE 1–3 YRS	3,720	5.8	4.8 - 6.7
COLLEGE 4+ YRS	7,099	2.2	1.8 - 2.6
HOUSEHOLD INCOME			
<\$25,000	3,352	13.8	11.8 - 15.8
\$25,000–34,999	1,266	9.9	7.0 - 12.9
\$35,000–49,999	1,683	6.6	4.7 - 8.5
\$50,000–74,999	1,881	4.5	3.2 - 5.8
\$75,000+	4,792	2.2	1.7 - 2.7
* White, Black, and Asian race categories refer to non-Hispanic † Insufficient data ¶ See p 62 for definition of disability			

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, 2014

	EVER DIAGNOSED WITH MYOCARDIAL INFARCTION				EVER DIAGNOSED WITH ANGINA OR CORONARY HEART DISEASE			
	N	%	95% CI		N	%	95% CI	
OVERALL	13,277	5.6	5.0	- 6.1	13,242	5.8	5.2	- 6.3
GENDER								
MALE	5,194	7.5	6.5	- 8.5	5,171	7.3	6.4	- 8.2
FEMALE	8,083	3.8	3.2	- 4.4	8,071	4.4	3.7	- 5.1
AGE GROUP								
35–44	†				†			
45–54	2,564	3.4	2.4	- 4.4	2,563	2.8	1.9	- 3.8
55–64	3,475	5.9	4.7	- 7.2	3,471	6.2	5.0	- 7.5
65–74	3,209	8.5	6.8	- 10.2	3,205	9.9	8.3	- 11.6
75 AND OLDER	2,407	14.3	12.1	- 16.6	2,384	15.5	13.2	- 17.9
RACE-ETHNICITY*								
WHITE	11,287	5.9	5.2	- 6.5	11,254	6.3	5.6	- 6.9
BLACK	625	4.8	2.5	- 7.1	624	2.9	1.3	- 4.5
HISPANIC	603	4.3	2.2	- 6.4	606	4.4	2.0	- 6.7
ASIAN	†				†			
DISABILITY [¶]								
DISABILITY	4,831	10.9	9.6	- 12.3	4,803	11.5	10.1	- 12.9
NO DISABILITY	7,749	2.9	2.4	- 3.4	7,741	2.9	2.4	- 3.4
EDUCATION								
< HIGH SCHOOL	860	9.8	6.8	- 12.8	851	9.5	6.6	- 12.4
HIGH SCHOOL	3,122	7.5	6.3	- 8.7	3,116	6.6	5.5	- 7.8
COLLEGE 1–3 YRS	3,087	5.5	4.4	- 6.6	3,081	6.2	5.1	- 7.4
COLLEGE 4+ YRS	6,067	3.0	2.5	- 3.5	6,055	3.7	3.1	- 4.2
HOUSEHOLD INCOME								
<\$25,000	2,910	10.4	8.6	- 12.1	2,899	10.4	8.6	- 12.2
\$25,000–34,999	1,089	6.5	4.4	- 8.6	1,087	6.8	4.7	- 8.9
\$35,000–49,999	1,434	6.0	4.2	- 7.7	1,434	5.0	3.4	- 6.7
\$50,000–74,999	1,627	4.5	3.0	- 6.0	1,621	5.3	3.8	- 6.8
\$75,000+	4,154	2.4	1.8	- 3.1	4,153	2.7	2.1	- 3.4

* White, Black, and Asian race categories refer to non-Hispanic
† Insufficient data
¶ See p 62 for definition of disability

**TABLE 5.4.2 – STROKE AMONG MASSACHUSETTS ADULTS,
AGES 35 YEARS AND OLDER, 2014**

	EVER DIAGNOSED WITH STROKE		
	N	%	95% CI
OVERALL	13,293	3.5	3.0 - 4.0
GENDER			
MALE	5,199	4.0	3.2 - 4.8
FEMALE	8,094	3.1	2.4 - 3.7
AGE GROUP			
35–44	†		
45–54	2,565	2.8	1.7 - 3.8
55–64	3,475	3.2	2.2 - 4.1
65–74	3,211	6.0	4.4 - 7.6
75 AND OLDER	2,419	7.4	5.8 - 9.0
RACE-ETHNICITY*			
WHITE	11,301	3.1	2.7 - 3.6
BLACK	629	5.2	2.4 - 8.0
HISPANIC	†		
ASIAN	†		
DISABILITY[¶]			
DISABILITY	4,843	7.8	6.6 - 9.1
NO DISABILITY	7,754	1.2	0.9 - 1.5
EDUCATION			
< HIGH SCHOOL	862	6.8	4.0 - 9.6
HIGH SCHOOL	3,129	4.0	3.1 - 5.0
COLLEGE 1–3 YRS	3,096	3.8	2.8 - 4.8
COLLEGE 4+ YRS	6,067	1.9	1.5 - 2.2
HOUSEHOLD INCOME			
<\$25,000	2,923	7.3	5.6 - 8.9
\$25,000–34,999	1,089	4.0	2.2 - 5.7
\$35,000–49,999	1,438	3.5	2.1 - 5.0
\$50,000–74,999	1,624	2.0	1.1 - 2.8
\$75,000+	4,156	1.5	1.0 - 1.9

* White, Black, and Asian race categories refer to non-Hispanic

† Insufficient data

¶ See p 62 for definition of disability

SECTION 5.5: CANCER DIAGNOSIS

All respondents were asked if a doctor, nurse or other health professional had ever told them they had skin cancer and if they had ever been told they had any other type of cancer. Presented is the percentage of adults who were ever told they had one or more types of cancer.

TABLE 5.5 – CANCER DIAGNOSIS AMONG MASSACHUSETTS ADULTS, 2014			
	EVER DIAGNOSED WITH CANCER		
	N	%	95% CI
OVERALL	15,551	12.5	11.8 - 13.2
GENDER			
MALE	6,223	11.5	10.5 - 12.5
FEMALE	9,328	13.4	12.5 - 14.3
AGE GROUP			
18–24	†		
25–34	1,284	2.4	1.5 - 3.3
35–44	1,621	4.3	3.0 - 5.5
45–54	2,561	10.6	9.0 - 12.3
55–64	3,458	18.9	17.0 - 20.8
65–74	3,211	27.3	25.0 - 29.6
75 AND OLDER	2,402	36.6	33.6 - 39.5
RACE-ETHNICITY*			
WHITE	12,718	15.1	14.2 - 15.9
BLACK	810	3.8	2.0 - 5.5
HISPANIC	863	5.5	3.5 - 7.5
ASIAN	†		
DISABILITY[¶]			
DISABILITY	5,295	18.4	16.9 - 20.0
NO DISABILITY	9,372	10.2	9.4 - 10.9
EDUCATION			
< HIGH SCHOOL	973	12.2	9.2 - 15.2
HIGH SCHOOL	3,571	11.6	10.3 - 12.9
COLLEGE 1–3 YRS	3,710	13.1	11.8 - 14.5
COLLEGE 4+ YRS	7,091	12.9	11.9 - 13.8
HOUSEHOLD INCOME			
<\$25,000	3,348	13.3	11.6 - 15.1
\$25,000–34,999	1,259	12.6	10.3 - 14.9
\$35,000–49,999	1,684	13.2	11.0 - 15.3
\$50,000–74,999	1,873	14.7	12.5 - 16.9
\$75,000+	4,791	11.4	10.3 - 12.4
* White, Black, and Asian race categories refer to non-Hispanic † Insufficient data ¶ See p 62 for definition of disability			

SECTION 5.6: 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 5.6 – DEPRESSION AMONG MASSACHUSETTS ADULTS, 2014			
	EVER DIAGNOSED WITH DEPRESSION		
	N	%	95% CI
OVERALL	15,545	21.6	20.6 - 22.7
GENDER			
MALE	6,220	17.6	16.1 - 19.0
FEMALE	9,325	25.4	23.9 - 26.9
AGE GROUP			
18–24	674	21.0	17.1 - 25.0
25–34	1,277	23.2	20.1 - 26.2
35–44	1,615	22.4	19.4 - 25.3
45–54	2,556	23.8	21.5 - 26.1
55–64	3,462	25.0	22.9 - 27.1
65–74	3,216	19.7	17.6 - 21.8
75 AND OLDER	2,412	12.0	10.0 - 14.0
RACE-ETHNICITY*			
WHITE	12,722	21.9	20.7 - 23.0
BLACK	808	17.3	13.2 - 21.5
HISPANIC	861	30.8	26.2 - 35.4
ASIAN	346	9.9	5.2 - 14.6
DISABILITY[¶]			
DISABILITY	5,292	44.4	42.0 - 46.7
NO DISABILITY	9,375	12.1	11.1 - 13.2
EDUCATION			
< HIGH SCHOOL	975	36.6	31.7 - 41.5
HIGH SCHOOL	3,566	22.1	19.9 - 24.2
COLLEGE 1–3 YRS	3,715	21.5	19.4 - 23.5
COLLEGE 4+ YRS	7,089	16.8	15.6 - 17.9
HOUSEHOLD INCOME			
<\$25,000	3,358	37.3	34.4 - 40.2
\$25,000–34,999	1,264	21.6	17.9 - 25.4
\$35,000–49,999	1,682	21.1	18.0 - 24.3
\$50,000–74,999	1,879	16.9	14.0 - 19.8
\$75,000+	4,783	14.9	13.4 - 16.3

* White, Black, and Asian race categories refer to non-Hispanic
[¶] See p 62 for definition of disability

SECTION 6: CANCER SCREENING

SECTION 6.1: COLORECTAL CANCER SCREENING

Respondents, ages 50 and older, were asked if they ever had had a blood stool test using a home test kit to determine if their stool contained blood and were also asked if they had ever had a sigmoidoscopy or colonoscopy, tests that examine the bowel for signs of cancer or other health problems. Presented here is the percentage of adults who had a blood stool test using a home test kit in the past two years and the percentage of adults who had a sigmoidoscopy or colonoscopy in the past five years.

TABLE 6.1 – COLORECTAL CANCER SCREENING AMONG MASSACHUSETTS ADULTS, AGES 50 YEARS AND OLDER, 2014

	BLOOD STOOL TEST IN THE PAST TWO YEARS				SIGMOIDOSCOPY OR COLONOSCOPY IN PAST FIVE YEARS			
	N	%	95% CI		N	%	95% CI	
OVERALL	9,372	13.8	12.8	- 14.8	9,385	58.8	57.3	- 60.4
GENDER								
MALE	3,683	13.4	11.9	- 15.0	3,651	60.2	57.8	- 62.5
FEMALE	5,689	14.1	12.7	- 15.4	5,734	57.7	55.7	- 59.7
AGE GROUP								
50-59	2,823	9.4	7.9	- 10.8	2,829	56.0	53.3	- 58.7
60-69	3,260	15.4	13.5	- 17.3	3,291	63.5	61.0	- 66.0
70-79	2,024	20.5	17.8	- 23.2	2,030	64.2	61.0	- 67.3
80 AND OLDER	1,265	14.9	11.9	- 18.0	1,235	47.1	42.8	- 51.5
RACE-ETHNICITY*								
WHITE	8,240	14.2	13.1	- 15.3	8,265	59.1	57.5	- 60.7
BLACK	365	13.5	8.5	- 18.5	360	55.8	47.5	- 64.1
HISPANIC	343	8.5	4.1	- 12.8	330	63.6	55.3	- 71.9
ASIAN	†				93	50.4	35.3	- 65.5
DISABILITY¶								
DISABILITY	3,828	15.8	14.0	- 17.6	3,828	57.9	55.4	- 60.4
NO DISABILITY	5,478	12.7	11.5	- 13.9	5,486	59.5	57.5	- 61.4
EDUCATION								
< HIGH SCHOOL	635	12.2	8.4	- 16.0	620	56.7	50.5	- 62.9
HIGH SCHOOL	2,309	14.7	12.7	- 16.8	2,275	52.2	49.1	- 55.4
COLLEGE 1-3 YRS	2,257	14.4	12.3	- 16.5	2,271	60.3	57.4	- 63.3
COLLEGE 4+ YRS	4,136	13.0	11.7	- 14.4	4,184	63.8	61.8	- 65.8
HOUSEHOLD INCOME								
<\$25,000	2,229	15.3	12.9	- 17.8	2,201	51.6	48.0	- 55.3
\$25,000-34,999	832	16.6	12.4	- 20.8	830	57.8	52.5	- 63.2
\$35,000-49,999	1,100	15.2	12.2	- 18.3	1,108	55.8	51.2	- 60.4
\$50,000-74,999	1,216	14.5	11.6	- 17.4	1,218	65.1	60.9	- 69.4
\$75,000+	2,620	11.2	9.6	- 12.9	2,653	62.9	60.3	- 65.5

* White, Black, and Asian race categories refer to non-Hispanic

† Insufficient data

¶ See p 62 for definition of disability

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. Those women who reported that they ever had a clinical breast exam (when a doctor, nurse or other health professional feels the breast for lumps) were asked how long it had been since their last clinical breast exam. The percentage of women age 40 and older in Massachusetts who reported that they had a mammogram in the past two years and who reported they had a clinical breast exam in the past two years is presented in Table 6.2.

**TABLE 6.2 – BREAST CANCER SCREENING AMONG MASSACHUSETTS WOMEN
AGES 40 AND OLDER, 2014**

	MAMMOGRAM IN THE PAST TWO YEARS				CLINICAL BREAST EXAM IN THE PAST TWO YEARS					
	N	%	95% CI		N	%	95% CI			
OVERALL	6,939	82.1	80.6	-	83.6	6,840	83.6	82.2	-	85.0
AGE GROUP										
40-49	1,066	74.8	70.9	-	78.7	1,061	85.8	82.6	-	89.0
50-59	1,703	87.0	84.5	-	89.6	1,687	86.7	84.2	-	89.2
60-69	2,023	89.7	87.7	-	91.7	1,998	87.1	84.9	-	89.3
70-79	1,306	82.5	79.1	-	86.0	1,284	80.0	76.3	-	83.7
80 AND OLDER	841	65.9	60.8	-	71.1	810	64.5	59.1	-	69.9
RACE-ETHNICITY*										
WHITE	6,039	82.6	81.0	-	84.2	5,953	84.4	83.0	-	85.9
BLACK	314	74.4	66.0	-	82.8	310	78.1	69.9	-	86.2
HISPANIC	307	83.5	77.4	-	89.6	302	79.7	72.8	-	86.6
ASIAN	75	72.5	58.4	-	86.5	76	79.6	67.7	-	91.5
DISABILITY [¶]										
DISABILITY	2,773	77.4	74.6	-	80.1	2,711	78.5	75.8	-	81.1
NO DISABILITY	4,118	85.1	83.3	-	86.8	4,079	86.8	85.2	-	88.3
EDUCATION										
< HIGH SCHOOL	448	74.9	67.1	-	82.8	437	74.0	67.1	-	80.9
HIGH SCHOOL	1,676	81.4	78.5	-	84.3	1,655	79.1	76.0	-	82.1
COLLEGE 1–3 YRS	1,765	83.5	81.0	-	86.0	1,733	84.7	82.2	-	87.2
COLLEGE 4+ YRS	3,022	83.8	81.9	-	85.8	2,989	89.2	87.6	-	90.8
HOUSEHOLD INCOME										
<\$25,000	1,680	75.6	72.0	-	79.2	1,653	73.1	69.3	-	77.0
\$25,000–34,999	603	74.6	67.6	-	81.6	594	81.4	75.9	-	86.9
\$35,000–49,999	754	84.5	80.5	-	88.6	749	85.1	81.1	-	89.0
\$50,000–74,999	848	85.1	80.4	-	89.9	836	87.6	84.2	-	91.0
\$75,000+	1,926	86.7	84.6	-	88.8	1,912	90.3	88.5	-	92.2

* White, Black, and Asian race categories refer to non-Hispanic

[¶] See p 62 for definition of disability

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 who reported having had a Pap smear in the past 3 years is presented below.

TABLE 6.3 – CERVICAL CANCER SCREENING AMONG MASSACHUSETTS WOMEN, 2014			
	PAP SMEAR TEST WITHIN PAST THREE YEARS		
	N	%	95% CI
OVERALL	8,190	73.5	71.9 - 75.2
AGE GROUP			
18–24	289	37.3	30.5 - 44.0
25–34	628	89.1	86.0 - 92.2
35–44	882	89.9	86.6 - 93.1
45–54	1,365	88.7	86.3 - 91.1
55–64	1,862	82.8	80.3 - 85.3
65–74	1,746	62.8	59.3 - 66.4
75 AND OLDER	1,260	33.4	29.4 - 37.5
RACE-ETHNICITY*			
WHITE	6,807	74.1	72.3 - 75.9
BLACK	433	69.1	61.1 - 77.2
HISPANIC	464	76.1	69.8 - 82.3
ASIAN	142	64.1	53.2 - 75.0
DISABILITY [¶]			
DISABILITY	3,029	69.2	66.2 - 72.1
NO DISABILITY	5,110	75.6	73.6 - 77.7
EDUCATION			
< HIGH SCHOOL	476	63.8	56.3 - 71.4
HIGH SCHOOL	1,852	64.5	60.7 - 68.2
COLLEGE 1–3 YRS	2,111	69.0	65.7 - 72.4
COLLEGE 4+ YRS	3,714	85.7	84.2 - 87.3
HOUSEHOLD INCOME			
<\$25,000	1,897	63.8	59.9 - 67.7
\$25,000–34,999	683	72.8	67.8 - 77.9
\$35,000–49,999	898	76.1	71.7 - 80.5
\$50,000–74,999	1,008	77.2	72.7 - 81.7
\$75,000+	2,383	85.1	82.6 - 87.6

* White, Black, and Asian race categories refer to non-Hispanic
 ¶ See p 62 for definition of disability

SECTION 7: OTHER TOPICS

SECTION 7.1: SEXUAL ORIENTATION AND GENDER IDENTITY

All respondents were asked if they considered themselves to be heterosexual or straight, homosexual (gay, lesbian), bisexual or other. The percentage of those who self-identified as homosexual, bisexual or other is presented.

All respondents were also asked whether they consider themselves to be transgender. Overall, in 2014, 0.7% of Massachusetts adults self-identified as transgender. A table of this data is not presented due to the low prevalence.

TABLE 7.1 - SEXUAL ORIENTATION AMONG MASSACHUSETTS ADULTS, 2014			
	SELF-IDENTIFIED AS HOMOSEXUAL, BISEXUAL OR OTHER		
	N	%	95% CI
OVERALL	13,419	6.2	5.5 - 6.9
GENDER			
MALE	5,367	5.9	4.9 - 6.9
FEMALE	8,052	6.4	5.4 - 7.5
AGE GROUP			
18-24	539	10.3	7.3 - 13.4
25-34	1,044	8.5	6.2 - 10.9
35-44	1,375	6.6	4.6 - 8.6
45-54	2,250	6.0	4.5 - 7.5
55-64	3,069	5.2	4.1 - 6.3
65-74	2,861	3.2	2.2 - 4.2
75 AND OLDER	2,071	2.1	1.1 - 3.1
RACE-ETHNICITY*			
WHITE	1,1359	5.6	4.8 - 6.3
BLACK	654	8.0	4.9 - 11.1
HISPANIC	726	11.4	7.5 - 15.3
ASIAN	280		
DISABILITY [†]			
DISABILITY	4,847	9.5	7.8 - 11.1
NO DISABILITY	8,481	4.8	4.1 - 5.5
EDUCATION			
< HIGH SCHOOL	803	12.2	8.2 - 16.2
HIGH SCHOOL	3,029	4.2	3.2 - 5.2
COLLEGE 1-3 YRS	3,263	6.7	5.2 - 8.2
COLLEGE 4+ YRS	6,274	5.3	4.6 - 6.1
HOUSEHOLD INCOME			
<\$25,000	2,885	8.8	6.7 - 10.8
\$25,000-34,999	1,117	8.5	5.6 - 11.4
\$35,000-49,999	1,509	6.5	4.2 - 8.8
\$50,000-74,999	1,672	5.6	3.4 - 7.8
\$75,000+	4,326	4.3	3.5 - 5.2

* White, Black, and Asian race categories refer to non-Hispanic
[†] Insufficient data
[¶] See p 62 for definition of disability

SECTION 7.2: 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 7.2 – HIV TESTING AMONG MASSACHUSETTS ADULTS, AGES 18-64, 2014

	EVER TESTED FOR HIV				TESTED FOR HIV IN PAST YEAR			
	N	%	95% CI		N	%	95% CI	
OVERALL	8,492	43.4	41.9	- 45.0	7,565	11.1	9.9	- 12.2
GENDER								
MALE	3,562	42.2	39.9	- 44.5	3,201	11.9	10.2	- 13.6
FEMALE	4,930	44.6	42.5	- 46.8	4,364	10.3	8.7	- 11.8
AGE GROUP								
18-24	587	27.9	23.4	- 32.4	560	14.1	10.5	- 17.8
25-34	1,136	57.7	54.1	- 61.4	979	19.4	16.1	- 22.8
35-44	1,394	58.7	55.1	- 62.3	1,223	13.6	10.9	- 16.4
45-54	2,270	42.5	39.6	- 45.4	2,015	5.9	4.4	- 7.4
55-64	3,105	28.4	26.1	- 30.7	2,788	4.0	2.9	- 5.1
RACE-ETHNICITY*								
WHITE	6,663	39.6	37.8	- 41.4	5,991	7.9	6.8	- 9.1
BLACK	484	70.0	63.7	- 76.4	404	28.9	22.3	- 35.6
HISPANIC	629	59.1	53.7	- 64.5	515	23.7	18.1	- 29.3
ASIAN	255	27.1	20.3	- 33.8	†			
DISABILITY¶								
DISABILITY	2,561	53.9	50.7	- 57.0	2,177	17.4	14.5	- 20.3
NO DISABILITY	5,879	39.5	37.7	- 41.3	5,346	8.9	7.7	- 10.0
EDUCATION								
< HIGH SCHOOL	434	55.5	48.8	- 62.2	351	19.7	13.6	- 25.7
HIGH SCHOOL	1,679	36.0	32.7	- 39.3	1,483	10.5	8.1	- 13.0
COLLEGE 1-3 YRS	2,051	44.4	41.3	- 47.5	1,830	12.7	10.4	- 15.1
COLLEGE 4+ YRS	4,300	44.2	42.2	- 46.2	3,878	8.1	6.9	- 9.3
HOUSEHOLD INCOME								
<\$25,000	1,607	50.3	46.3	- 54.2	1,363	19.6	16.1	- 23.2
\$25,000-34,999	571	55.8	49.8	- 61.8	503	14.7	10.0	- 19.3
\$35,000-49,999	832	48.5	43.5	- 53.5	737	13.2	9.5	- 16.9
\$50,000-74,999	1,063	37.7	33.4	- 42.1	977	7.7	5.2	- 10.2
\$75,000+	3,423	41.1	38.8	- 43.4	3,129	7.3	5.7	- 8.8

* White, Black, and Asian race categories refer to non-Hispanic

† Insufficient data

¶ See p 62 for definition of disability

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.

Questions about sexual violence were asked only on the MA BRFSS landline survey in 2013 and not the cell phone survey; therefore the results in Table 6.3 represent the landline sample only.

TABLE 7.3 – SEXUAL VIOLENCE AMONG MASSACHUSETTS ADULTS, 2014							
	SEXUAL VIOLENCE, WOMEN				SEXUAL VIOLENCE, MEN		
	N	%	95% CI		N	%	95% CI
OVERALL	1,686	16.4	12.6	-	20.2	†	
AGE GROUP							
18–24	†					†	
25–34	†					†	
35–44	142	13.7	6.3	-	21.1	†	
45–54	268	20.8	13.2	-	28.3	†	
55–64	399	15.9	11.1	-	20.6	†	
65–74	441	10.8	6.5	-	15.1	†	
75 AND OLDER	314						
RACE-ETHNICITY*							
WHITE	1,452	15.5	11.8	-	19.2	†	
BLACK	†					†	
HISPANIC	†					†	
ASIAN	†					†	
DISABILITY [¶]							
DISABILITY	664	25.8	18.8	-	32.8	†	
NO DISABILITY	1,011	12.1	7.5	-	16.7	†	
EDUCATION							
< HIGH SCHOOL	†					†	
HIGH SCHOOL	426	9.0	4.8	-	13.3	†	
COLLEGE 1–3 YRS	442	19.7	10.8	-	28.7	†	
COLLEGE 4+ YRS	708	18.3	12.9	-	23.7	†	
HOUSEHOLD INCOME							
<\$25,000	435	16.3	9.6	-	23.0	†	
\$25,000–34,999	145	38.4	18.8	-	58.0	†	
\$35,000–49,999	†					†	
\$50,000–74,999	†					†	
\$75,000+	467	16.2	9.8	-	22.6	†	
* White, Black, and Asian race categories refer to non-Hispanic † Insufficient data ¶ See p 62 for definition of disability							

SECTION 7.4: UNINTENTIONAL FALLS

Respondents ages 45 and older were asked if they had fallen in the past 12 months. They were also asked if they were injured by a fall in the past 12 months. A fall was defined as unintentionally coming to rest on the ground or another lower level. An injury from a fall was defined as one that caused the respondent to limit regular activities for at least a day or to go see a doctor. Presented here is the percentage of adults ages 65 and older who reported falling in the past 12 months and the percentage that were injured from a fall in the past 12 months.

TABLE 7.4 - UNINTENTIONAL FALLS, MASSACHUSETTS ADULTS 65 AND OLDER, 2014										
	UNINTENTIONAL FALLS					INJURED BY UNINTENTIONAL FALL				
	N	%	95% CI			N	%	95% CI		
OVERALL	5,233	28.6	26.8	-	30.5	5,221	10.6	9.4	-	11.9
GENDER										
MALE	1,945	27.7	24.7	-	30.7	1,942	8.2	6.4	-	10.0
FEMALE	3,288	29.3	27.0	-	31.7	3,279	12.5	10.8	-	14.2
AGE GROUP										
65-74	3,014	26.4	24.0	-	28.8	3,010	9.4	7.8	-	10.9
75-84	1,567	30.1	26.7	-	33.4	1,560	11.5	9.3	-	13.8
85 AND OLDER	652	35.4	29.7	-	41.1	651	14.1	9.9	-	18.3
RACE-ETHNICITY*										
WHITE	4,711	28.9	26.9	-	30.8	4,700	10.9	9.6	-	12.2
BLACK	193	29.5	18.6	-	40.4	†				
HISPANIC	123	26.8	14.5	-	39.2	†				
ASIAN	†					†				
DISABILITY¶										
DISABILITY	2,418	40.0	36.9	-	43.1	2,412	16.5	14.1	-	18.8
NO DISABILITY	2,769	19.2	17.1	-	21.3	2,763	5.8	4.6	-	6.9
EDUCATION										
< HIGH SCHOOL	425	28.9	21.8	-	35.9	424	11.2	6.5	-	15.9
HIGH SCHOOL	1,457	26.5	23.2	-	29.8	1,452	9.2	7.2	-	11.3
COLLEGE 1-3 YRS	1,297	29.7	26.1	-	33.3	1,293	12.3	9.7	-	15.0
COLLEGE 4+ YRS	2,035	29.9	27.4	-	32.5	2,033	10.3	8.7	-	11.9
HOUSEHOLD INCOME										
<\$25,000	1,425	33.2	29.1	-	37.4	1,420	14.3	11.3	-	17.3
\$25,000-34,999	579	25.2	20.1	-	30.3	579	8.8	5.4	-	12.2
\$35,000-49,999	711	25.3	20.5	-	30.1	710	10.1	7.0	-	13.2
\$50,000-74,999	649	26.6	21.6	-	31.7	649	9.4	6.4	-	12.5
\$75,000+	908	28.7	24.9	-	32.6	906	8.9	6.4	-	11.4

* White, Black, and Asian race categories refer to non-Hispanic
† Insufficient data
¶ See p 62 for definition of disability

SECTION 7.5: DRINKING AND DRIVING

All respondents were asked if they had had at least one alcoholic drink 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. Those who reported that they had had at least one alcoholic drink in the past month were asked how many times during the past 30 days they had driven after having too much to drink. Presented here is the percentage of all adults who reported driving at least one time during the past month after drinking too much in their opinion.

TABLE 7.5 – DRINKING AND DRIVING AMONG MASSACHUSETTS ADULTS, 2014			
	DRINKING AND DRIVING IN PAST 30 DAYS		
	N	%	95% CI
OVERALL	14,502	2.0	1.6 - 2.4
GENDER			
MALE	5,784	3.3	2.6 - 4.0
FEMALE	8,718	0.9	0.6 - 1.2
AGE GROUP			
18–24	605	2.1	0.9 - 3.3
25–34	1,180	3.7	2.2 - 5.1
35–44	1,480	2.4	1.4 - 3.3
45–54	2,391	2.3	1.5 - 3.1
55–64	3,273	1.6	1.0 - 2.1
65–74	3,048	0.7	0.3 - 1.0
75 AND OLDER	2,250		
RACE-ETHNICITY*			
WHITE	11,959	2.2	1.7 - 2.6
BLACK	†		
HISPANIC	†		
ASIAN	†		
DISABILITY[¶]			
DISABILITY	5,206	2.0	1.2 - 2.7
NO DISABILITY	9,189	2.0	1.6 - 2.4
EDUCATION			
< HIGH SCHOOL	†		
HIGH SCHOOL	3,297	2.0	1.2 - 2.8
COLLEGE 1–3 YRS	3,494	2.0	1.3 - 2.8
COLLEGE 4+ YRS	6,733	2.2	1.7 - 2.8
HOUSEHOLD INCOME			
<\$25,000	†		
\$25,000–34,999	†		
\$35,000–49,999	1,611	1.6	0.8 - 2.4
\$50,000–74,999	1,790	2.5	1.3 - 3.8
\$75,000+	4,554	3.0	2.3 - 3.7

* White, Black, and Asian race categories refer to non-Hispanic
† Insufficient data
¶ See p 62 for definition of disability

SECTION 7.6: SEATBELT USE

All respondents were asked how often they wear a seatbelt when riding or driving in a car. Presented here is the percentage of adults who reported that they always wear their seatbelts.

TABLE 7.6 – SEATBELT USE AMONG MASSACHUSETTS ADULTS, 2014				
	ALWAYS USE A SEATBELT			
	N	%	95% CI	
OVERALL	14,411	81.8	80.8	- 82.9
GENDER				
MALE	5,768	77.6	76.0	- 79.3
FEMALE	8,643	85.6	84.3	- 86.9
AGE GROUP				
18–24	603	73.9	69.5	- 78.4
25–34	1,178	79.9	76.9	- 83.0
35–44	1,480	82.2	79.4	- 85.1
45–54	2,376	82.6	80.4	- 84.8
55–64	3,254	83.9	82.0	- 85.7
65–74	3,029	83.1	80.8	- 85.3
75 AND OLDER	2,218	88.0	86.0	- 90.1
RACE-ETHNICITY*				
WHITE	11,892	81.5	80.4	- 82.7
BLACK	719	80.8	76.2	- 85.3
HISPANIC	779	81.9	78.0	- 85.7
ASIAN	311	85.0	79.2	- 90.8
DISABILITY [¶]				
DISABILITY	5,141	78.7	76.7	- 80.7
NO DISABILITY	9,166	83.3	82.1	- 84.5
EDUCATION				
< HIGH SCHOOL	878	73.1	68.2	- 77.9
HIGH SCHOOL	3,261	75.4	72.9	- 77.8
COLLEGE 1–3 YRS	3,476	81.7	79.7	- 83.6
COLLEGE 4+ YRS	6,718	89.0	88.0	- 90.1
HOUSEHOLD INCOME				
<\$25,000	3,112	76.7	74.0	- 79.3
\$25,000–34,999	1,183	80.3	76.6	- 84.0
\$35,000–49,999	1,603	78.5	75.1	- 81.8
\$50,000–74,999	1,787	79.3	76.2	- 82.5
\$75,000+	4,565	86.3	84.7	- 87.9

* White, Black, and Asian race categories refer to non-Hispanic
[¶] See p 62 for definition of disability

SECTION 7.7: FAMILY PLANNING

All women ages 18-50 who were currently pregnant or had been pregnant in the past five years were asked if they had wanted to be pregnant sooner, later, or not at all. Unplanned pregnancy was defined as wanting to be pregnant later or not at all. Women ages 18-50, who had not had a hysterectomy or sterilization, were not currently pregnant, and whose partners were not reported to have been sterilized nor had a vasectomy also were asked whether they or their partners currently use some form of birth control. Presented below are the percentage of females ages 18-44 who reported an unplanned pregnancy and the percentage of females ages 18-44 who reported that they or their partner use some form of birth control. The more restricted ages are presented here to be consistent with national data.

Questions about family planning were asked only on the MA BRFSS landline survey in 2014 and not the cell phone survey; therefore the results in Table 7.7 represent the landline sample only.

TABLE 7.7 – FAMILY PLANNING AMONG MASSACHUSETTS WOMEN, AGES 18-44, 2014								
	UNPLANNED PREGNANCY			USE BIRTH CONTROL				
	N	%	95% CI	N	%	95% CI		
OVERALL	†			229	65.8	56.1	-	75.4
AGE GROUP								
18–24	†			†				
25–34	†			68	62.5	45.7	-	79.2
35–44	†			135	60.1	47.5	-	72.8
RACE-ETHNICITY*								
WHITE	†			157	75.3	65.2	-	85.4
BLACK	†			†				
HISPANIC	†			†				
ASIAN	†			†				
DISABILITY [¶]								
DISABILITY	†			†				
NO DISABILITY	†			178	63.0	51.9	-	74.1
EDUCATION								
< HIGH SCHOOL	†			†				
HIGH SCHOOL	†			†				
COLLEGE 1–3 YRS	†			62	58.3	39.6	-	77.1
COLLEGE 4+ YRS	†			120	68.9	55.5	-	82.3
HOUSEHOLD INCOME								
<\$25,000	†			51	64.6	43.6	-	85.6
\$25,000–34,999	†			†				
\$35,000–49,999	†			†				
\$50,000–74,999	†			†				
\$75,000+	†			92	74.4	61.8	-	87.1

* White, Black, and Asian race categories refer to non-Hispanic
† Insufficient Data
¶ See p 62 for definition of disability

APPENDIX

AGE-ADJUSTED PERCENTAGES FOR SELECTED TOPICS

MASSACHUSETTS BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM, 2014															
	FAIR OR POOR HEALTH			POOR MENTAL HEALTH			POOR PHYSICAL HEALTH			DISABILITY			NO HEALTH INSURANCE (AGES 18-64)		
	%	95% CI		%	95% CI		%	95% CI		%	95% CI		%	95% CI	
OVERALL	14.3	13.3	- 15.3	11.3	10.4	- 12.2	9.6	8.8	- 10.3	29.8	28.5	- 31.0	3.3	2.6	- 4.0
GENDER															
MALE	13.5	12.2	- 14.9	9.8	8.6	- 11.0	9.0	7.9	- 10.1	27.3	25.6	- 29.1	5.2	4.0	- 6.5
FEMALE	14.6	13.3	- 15.8	12.9	11.6	- 14.2	9.9	8.9	- 10.9	32.1	30.4	- 33.8	1.6	1.0	- 2.1
RACE-ETHNICITY*															
WHITE	11.9	10.9	- 12.9	11.1	10.0	- 12.2	9.5	8.6	- 10.4	29.1	27.6	- 30.5	2.5	1.8	- 3.2
BLACK	15.4	12.1	- 18.8	13.5	9.9	- 17.1	8.1	5.4	- 10.9	32.8	27.8	- 37.9	†		
HISPANIC	35.4	30.7	- 40.1	15.0	11.8	- 18.1	13.2	9.8	- 16.5	44.1	39.2	- 49.0	6.7	3.7	- 9.6
ASIAN	6.1	2.7	- 9.6	†			†			14.7	8.9	- 20.4	†		
DISABILITY¶															
DISABILITY	36.4	33.8	- 39.1	29.4	26.7	- 32.1	27.7	25.2	- 30.2	n/a			3.9	2.6	- 5.1
NO DISABILITY	4.7	3.9	- 5.5	4.6	4.0	- 5.3	2.0	1.6	- 2.5	n/a			3.0	2.2	- 3.8
EDUCATION															
< HIGH SCHOOL	35.6	30.6	- 40.5	20.2	15.8	- 24.6	16.4	12.8	- 20.1	51.5	45.8	- 57.2	6.9	6.2	- 7.7
HIGH SCHOOL	17.7	15.6	- 19.8	14.1	12.1	- 16.1	12.2	10.4	- 14.0	33.7	31.0	- 36.5	5.1	3.4	- 6.8
COLLEGE 1–3 YRS	14.5	12.6	- 16.3	13.4	11.6	- 15.3	11.6	9.9	- 13.2	31.4	29.0	- 33.8	3.5	2.3	- 4.8
COLLEGE 4+ YRS	5.1	4.5	- 5.7	6.0	5.1	- 6.8	4.7	4.1	- 5.4	20.3	18.9	- 21.7	1.2	0.7	- 1.7
HOUSEHOLD INCOME															
<\$25,000	35.1	32.1	- 38.2	23.9	21.3	- 26.6	22.3	19.6	- 25.0	54.6	51.3	- 57.9	7.2	4.8	- 9.5
\$25,000–34,999	15.5	12.4	- 18.6	14.0	9.6	- 18.4	10.7	7.9	- 13.5	35.1	30.1	- 40.0	4.5	2.1	- 7.0
\$35,000–49,999	12.9	9.9	- 15.9	11.6	8.6	- 14.6	8.4	6.1	- 10.6	26.9	23.2	- 30.7	5.4	3.1	- 7.7
\$50,000–74,999	7.5	4.9	- 10.2	10.6	7.9	- 13.3	5.4	4.0	- 6.8	19.6	16.6	- 22.7	†		
\$75,000+	4.2	3.4	- 5.0	5.6	4.4	- 6.8	4.0	3.2	- 4.8	18.0	16.3	- 19.7	†		

* White, Black, and Asian race categories refer to non-Hispanic
† Insufficient data
¶ See p 62 for definition of disability

AGE-ADJUSTED PERCENTAGES FOR SELECTED TOPICS (CONTINUED)

MASSACHUSETTS BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM, 2014															
	PERSONAL DOCTOR			NO DOCTOR DUE TO COST			CHECKUP IN PAST YEAR			DENTAL VISIT IN PAST YEAR			6+ TEETH LOST TO DECAY		
	%	95% CI		%	95% CI		%	95% CI		%	95% CI		%	95% CI	
OVERALL	88.9	88.0	- 89.9	8.6	7.7	- 9.4	77.5	76.3	- 78.7	74.6	73.4	- 75.8	14.8	13.9	- 15.7
GENDER															
MALE	84.4	82.9	- 86.0	9.1	7.8	- 10.4	73.7	71.9	- 75.5	72.0	70.2	- 73.8	14.6	13.4	- 15.8
FEMALE	92.7	91.7	- 93.7	8.2	7.1	- 9.2	81.1	79.6	- 82.6	76.9	75.4	- 78.4	14.8	13.6	- 15.9
RACE-ETHNICITY*															
WHITE	90.1	89.0	- 91.2	7.2	6.3	- 8.2	77.3	75.9	- 78.6	76.3	75.0	- 77.6	14.0	13.0	- 14.9
BLACK	88.5	84.6	- 92.4	11.2	7.7	- 14.8	82.4	78.1	- 86.6	65.1	60.1	- 70.1	22.8	18.6	- 27.0
HISPANIC	85.7	82.5	- 89.0	17.6	13.7	- 21.5	82.8	79.2	- 86.4	67.4	62.6	- 72.2	22.2	18.2	- 26.3
ASIAN	87.5	83.0	- 91.9	8.3	3.6	- 12.9	73.3	66.8	- 79.9	77.6	71.6	- 83.5	†		-
DISABILITY¶															
DISABILITY	90.0	88.2	- 91.8	16.8	14.5	- 19.2	79.7	77.3	- 82.1	66.6	64.0	- 69.2	25.7	23.3	- 28.0
NO DISABILITY	88.6	87.4	- 89.7	5.5	4.7	- 6.4	76.5	75.2	- 77.9	78.2	76.8	- 79.5	10.0	9.2	- 10.9
EDUCATION															
< HIGH SCHOOL	83.2	78.8	- 87.7	19.2	14.5	- 23.9	81.9	77.5	- 86.4	60.3	55.0	- 65.7	35.4	30.5	- 40.3
HIGH SCHOOL	86.0	83.8	- 88.3	10.3	8.5	- 12.1	75.4	72.7	- 78.1	67.4	64.7	- 70.1	19.7	17.9	- 21.5
COLLEGE 1–3 YRS	89.7	88.1	- 91.3	9.1	7.5	- 10.7	79.3	77.1	- 81.5	73.5	71.2	- 75.8	13.9	12.6	- 15.3
COLLEGE 4+ YRS	91.2	90.0	- 92.3	4.2	3.5	- 4.9	75.8	74.1	- 77.4	83.5	82.0	- 85.0	5.3	4.8	- 5.9
HOUSEHOLD INCOME															
<\$25,000	83.6	81.0	- 86.2	17.1	14.4	- 19.8	79.2	76.4	- 81.9	58.6	55.4	- 61.7	28.1	25.5	- 30.7
\$25,000–34,999	89.7	86.8	- 92.6	12.5	9.4	- 15.7	78.5	74.1	- 82.8	67.5	62.8	- 72.2	23.0	18.5	- 27.5
\$35,000–49,999	86.1	82.9	- 89.3	10.1	7.4	- 12.8	73.5	69.5	- 77.4	70.0	66.1	- 73.9	16.5	14.0	- 19.1
\$50,000–74,999	89.5	86.8	- 92.1	7.8	5.5	- 10.0	75.1	71.4	- 78.8	76.8	73.3	- 80.4	9.6	8.0	- 11.1
\$75,000+	93.1	91.8	- 94.4	2.8	2.1	- 3.6	77.5	75.5	- 79.4	85.8	84.2	- 87.3	6.5	5.5	- 7.5

* White, Black, and Asian race categories refer to non-Hispanic

† Insufficient data

¶ See p 62 for definition of disability

AGE-ADJUSTED PERCENTAGES FOR SELECTED TOPICS (CONTINUED)

MASSACHUSETTS BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM, 2014																				
	CURRENT SMOKER				FORMER SMOKER				USE SMOKELESS TOBACCO				QUIT ATTEMPT			NO SMOKING IN HOUSE				
	%	95% CI			%	95% CI			%	95% CI			%	95% CI		%	95% CI			
OVERALL	15.0	14.0	-	16.1	25.6	24.6	-	26.7	1.6	1.2	-	1.9	65.1	61.6	-	68.6	81.1	79.0	-	83.3
GENDER																				
MALE	17.0	15.3	-	18.6	27.6	26.0	-	29.2	2.5	1.9	-	3.2	66.7	62.0	-	71.4	79.2	75.8	-	82.6
FEMALE	13.2	11.9	-	14.5	23.9	22.5	-	25.2	0.6	0.4	-	0.9	63.1	57.8	-	68.4	82.9	80.3	-	85.6
RACE-ETHNICITY*																				
WHITE	15.8	14.5	-	17.1	28.3	27.0	-	29.6	1.7	1.2	-	2.2	61.4	57.2	-	65.6	81.2	78.7	-	83.8
BLACK	18.1	13.7	-	22.4	15.2	11.5	-	18.9	†		-		76.3	69.8	-	82.8	76.1	69.4	-	82.8
HISPANIC	16.8	12.7	-	20.9	15.3	11.8	-	18.8	†		-		76.9	75.2	-	78.6	80.3	76.5	-	84.1
ASIAN	5.3	2.5	-	8.1	15.7	10.0	-	21.3	†		-		84.5	84.5	-	84.5	92.6	84.3	-	101
DISABILITY [¶]																				
DISABILITY	27.7	24.9	-	30.4	27.0	24.8	-	29.1	2.0	1.1	-	2.9	67.0	61.8	-	72.2	72.1	67.5	-	76.7
NO DISABILITY	10.4	9.4	-	11.4	25.2	24.0	-	26.4	1.4	1.0	-	1.7	62.6	57.9	-	67.4	84.6	82.2	-	87.0
EDUCATION																				
< HIGH SCHOOL	30.0	24.5	-	35.5	21.3	17.4	-	25.2			-		67.9	65.6	-	70.1	65.6	55.4	-	75.9
HIGH SCHOOL	21.8	19.3	-	24.3	28.7	26.1	-	31.2	1.7	0.9	-	2.5	62.6	56.5	-	68.7	72.6	67.3	-	78.0
COLLEGE 1–3 YRS	17.2	15.2	-	19.2	28.8	26.6	-	31.0	1.1	0.6	-	1.6	66.1	60.2	-	72.0	78.6	74.6	-	82.6
COLLEGE 4+ YRS	5.5	4.7	-	6.3	23.6	22.3	-	25.0	1.5	1.0	-	1.9	66.1	65.0	-	67.2	91.6	89.7	-	93.5
HOUSEHOLD INCOME																				
<\$25,000	28.6	25.4	-	31.8	22.7	20.3	-	25.1	2.1	1.1	-	3.2	66.0	60.0	-	72.0	66.6	60.6	-	72.7
\$25,000–34,999	24.1	19.0	-	29.2	24.8	20.6	-	29.0	†		-		62.0	61.6	-	62.3	65.7	54.3	-	77.1
\$35,000–49,999	17.4	14.1	-	20.6	28.6	25.0	-	32.3	†		-		60.9	56.8	-	65.1	76.6	69.5	-	83.8
\$50,000–74,999	12.6	9.8	-	15.3	27.9	25.0	-	30.9	†		-		67.6	57.9	-	77.2	80.6	73.6	-	87.7
\$75,000+	6.4	5.3	-	7.5	27.2	25.5	-	28.9	1.6	1.0	-	2.2	66.2	65.2	-	67.3	92.6	91.1	-	94.2

* White, Black, and Asian race categories refer to non-Hispanic
† Insufficient data
¶ See p 62 for definition of disability

AGE-ADJUSTED PERCENTAGES FOR SELECTED TOPICS (CONTINUED)

MASSACHUSETTS BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM, 2014															
	ENVIRONMENTAL SMOKE			BINGE DRINKING			HEAVY DRINKING			OVERWEIGHT (BMI≥25.0)			OBESE (BMI≥30.0)		
	%	95% CI		%	95% CI		%	95% CI		%	95% CI		%	95% CI	
OVERALL	35.6	33.1	- 38.2	18.5	17.4	- 19.6	7.0	6.3	- 7.7	58.9	57.5	- 60.3	23.4	22.2	- 24.5
GENDER															
MALE	39.1	35.0	- 43.1	23.9	22.1	- 25.6	7.2	6.2	- 8.3	66.5	64.6	- 68.4	23.4	21.8	- 25.0
FEMALE	32.8	29.6	- 36.1	13.5	12.2	- 14.8	6.8	6.0	- 7.7	50.5	48.7	- 52.4	23.0	21.4	- 24.6
RACE-ETHNICITY*															
WHITE	36.4	33.4	- 39.4	20.3	19.0	- 21.7	8.2	7.3	- 9.1	58.6	57.0	- 60.2	22.5	21.2	- 23.8
BLACK	40.4	31.6	- 49.3	14.0	9.9	- 18.0	3.3	1.4	- 5.2	71.5	66.4	- 76.5	34.7	29.5	- 40.0
HISPANIC	38.0	33.7	- 42.3	12.4	9.2	- 15.7	4.2	2.2	- 6.3	65.5	60.6	- 70.4	34.1	29.1	- 39.0
ASIAN	19.6	16.7	- 22.5	8.0	4.4	- 11.6	0.3	0.3	- 0.3	37.1	29.7	- 44.5	†		-
DISABILITY¶															
DISABILITY	45.0	40.2	- 49.9	15.1	13.0	- 17.2	8.0	6.4	- 9.6	63.5	60.7	- 66.3	32.3	29.7	- 34.9
NO DISABILITY	31.8	28.8	- 34.8	19.6	18.4	- 20.9	6.7	6.0	- 7.5	56.7	55.1	- 58.3	19.4	18.2	- 20.6
EDUCATION															
< HIGH SCHOOL	42.4	32.2	- 52.6	13.4	9.2	- 17.7	5.5	3.1	- 7.8	60.2	54.7	- 65.7	28.8	23.8	- 33.9
HIGH SCHOOL	44.7	39.0	- 50.3	18.3	15.8	- 20.8	6.4	4.9	- 8.0	62.9	59.9	- 65.8	26.6	24.0	- 29.1
COLLEGE 1–3 YRS	38.4	33.4	- 43.4	18.4	16.2	- 20.5	8.0	6.5	- 9.5	63.4	60.8	- 66.0	28.3	26.0	- 30.7
COLLEGE 4+ YRS	27.8	23.9	- 31.7	21.8	20.1	- 23.4	7.7	6.7	- 8.7	52.5	50.7	- 54.4	16.6	15.2	- 17.9
HOUSEHOLD INCOME															
<\$25,000	48.6	42.2	- 54.9	14.0	11.6	- 16.4	5.2	3.7	- 6.6	60.1	56.9	- 63.4	30.5	27.5	- 33.4
\$25,000–34,999	35.3	26.8	- 43.8	17.4	13.5	- 21.3	7.6	4.8	- 10.4	61.3	56.1	- 66.4	26.0	21.2	- 30.8
\$35,000–49,999	30.0	23.2	- 36.7	19.0	15.4	- 22.5	7.3	4.9	- 9.8	65.5	61.4	- 69.5	27.7	23.9	- 31.5
\$50,000–74,999	34.2	26.5	- 42.0	21.9	18.4	- 25.4	7.1	5.1	- 9.2	58.9	54.9	- 62.8	24.3	21.1	- 27.6
\$75,000+	31.1	27.0	- 35.1	23.4	21.4	- 25.4	8.9	7.6	- 10.1	57.4	55.1	- 59.6	18.6	17.1	- 20.2

* White, Black, and Asian race categories refer to non-Hispanic

† Insufficient data

¶ See p 62 for definition of disability

AGE-ADJUSTED PERCENTAGES FOR SELECTED TOPICS (CONTINUED)

MASSACHUSETTS BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM, 2014															
	ANY PHYSICAL ACTIVITY			RECEIVED 3 SHOTS HBV VACCINE			PRE-DIABETES			DIABETES			EVER HAD ASTHMA		
	%	95% CI		%	95% CI		%	95% CI		%	95% CI		%	95% CI	
OVERALL	80.4	79.3	- 81.5	43.6	41.3	- 45.9	6.7	5.8	- 7.5	9.0	8.3	- 9.7	18.2	17.1	- 19.3
GENDER															
MALE	82.1	80.5	- 83.6	39.7	36.2	- 43.1	7.7	6.2	- 9.2	10.9	9.8	- 12.0	14.1	12.7	- 15.5
FEMALE	78.7	77.2	- 80.2	47.2	44.2	- 50.2	5.9	5.0	- 6.9	7.3	6.5	- 8.0	21.3	19.8	- 22.8
RACE-ETHNICITY*															
WHITE	83.2	82.1	- 84.3	41.7	39.0	- 44.3	6.2	5.3	- 7.1	8.0	7.3	- 8.7	17.6	16.4	- 18.9
BLACK	74.2	69.3	- 79.0	51.1	43.3	- 58.9	14.4	8.3	- 20.6	12.2	9.4	- 15.1	20.0	15.7	- 24.3
HISPANIC	65.9	61.1	- 70.6	48.0	39.4	- 56.5	6.6	3.2	- 10.1	17.1	13.4	- 20.8	24.5	20.4	- 28.6
ASIAN	76.6	69.4	- 83.8	62.0	51.0	- 73.0	†		-	11.0	5.4	- 16.7	13.4	6.7	- 20.2
DISABILITY¶															
DISABILITY	67.8	65.2	- 70.5	42.0	37.4	- 46.5	9.9	7.5	- 12.3	15.4	13.5	- 17.3	29.5	26.9	- 32.1
NO DISABILITY	86.1	84.9	- 87.2	44.5	41.8	- 47.2	5.4	4.5	- 6.2	6.2	5.5	- 6.8	13.8	12.7	- 14.9
EDUCATION															
< HIGH SCHOOL	60.8	55.6	- 66.1	30.3	25.5	- 35.1	5.9	3.2	- 8.7	16.5	13.0	- 20.1	23.4	18.9	- 27.9
HIGH SCHOOL	72.3	69.7	- 74.9	34.8	29.7	- 39.8	9.2	6.4	- 12.1	10.1	8.8	- 11.5	18.1	15.9	- 20.4
COLLEGE 1–3 YRS	81.5	79.6	- 83.5	46.1	41.9	- 50.4	7.4	5.7	- 9.1	8.9	7.7	- 10.1	18.9	16.8	- 21.0
COLLEGE 4+ YRS	90.9	90.0	- 91.8	48.6	44.9	- 52.3	5.0	4.2	- 5.8	5.7	5.0	- 6.3	16.0	14.6	- 17.4
HOUSEHOLD INCOME															
<\$25,000	64.8	61.7	- 67.9	38.5	32.9	- 44.1	10.4	7.1	- 13.8	15.8	13.6	- 17.9	25.4	22.5	- 28.2
\$25,000–34,999	76.3	72.2	- 80.5	45.9	36.6	- 55.2	6.2	3.7	- 8.7	10.6	8.0	- 13.2	17.6	13.9	- 21.2
\$35,000–49,999	79.4	75.6	- 83.2	45.5	37.9	- 53.0	7.4	4.8	- 9.9	7.8	6.1	- 9.6	15.7	12.8	- 18.6
\$50,000–74,999	84.7	81.7	- 87.7	36.9	29.9	- 43.9	6.5	4.6	- 8.5	9.1	6.8	- 11.3	15.3	12.3	- 18.4
\$75,000+	90.7	89.5	- 92.0	49.4	45.7	- 53.2	4.9	4.0	- 5.9	5.5	4.7	- 6.3	15.8	14.1	- 17.5

* White, Black, and Asian race categories refer to non-Hispanic
 † Insufficient data
 ¶ See p 62 for definition of disability

AGE-ADJUSTED PERCENTAGES FOR SELECTED TOPICS (CONTINUED)

MASSACHUSETTS BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM, 2014															
	CURRENTLY HAVE ASTHMA			EVER DIAGNOSED WITH COPD			EVER DIAGNOSED WITH CANCER			EVER DIAGNOSED WITH DEPRESSION			EVER TESTED FOR HIV - AGES 18-64		
	%	95% CI		%	95% CI		%	95% CI		%	95% CI		%	95% CI	
OVERALL	12.4	11.4	- 13.3	6.2	5.5	- 6.8	11.4	10.7	- 12.0	22.2	21.0	- 23.4	45.9	44.3	- 47.4
GENDER															
MALE	8.1	7.0	- 9.2	5.5	4.6	- 6.4	10.7	9.8	- 11.6	17.5	16.0	- 19.1	44.2	41.8	- 46.5
FEMALE	15.8	14.4	- 17.1	6.8	5.9	- 7.7	11.9	11.1	- 12.7	26.1	24.4	- 27.7	47.5	45.4	- 49.7
RACE-ETHNICITY*															
WHITE	12.1	11.0	- 13.2	6.2	5.5	- 7.0	12.4	11.7	- 13.2	22.5	21.2	- 23.9	42.9	41.0	- 44.7
BLACK	15.3	11.4	- 19.1	3.9	2.2	- 5.6	4.6	2.6	- 6.5	17.8	13.7	- 21.8	70.7	65.3	- 76.2
HISPANIC	15.8	12.4	- 19.1	7.6	4.6	- 10.6	7.5	4.9	- 10.1	32.5	27.7	- 37.2	60.0	54.8	- 65.3
ASIAN	4.9	2.1	7.7	†			†			9.5	5.2	- 13.7	27.3	20.7	33.9
DISABILITY¶															
DISABILITY	22.9	20.5	- 25.4	14.3	12.3	- 16.4	14.5	13.0	- 16.0	48.7	45.8	- 51.5	57.9	54.7	- 61.2
NO DISABILITY	8.3	7.4	- 9.1	2.5	2.1	- 3.0	10.1	9.4	- 10.8	12.2	11.2	- 13.3	41.4	39.6	- 43.1
EDUCATION															
< HIGH SCHOOL	18.4	14.4	- 22.5	16.3	12.3	- 20.2	10.0	7.4	- 12.6	37.6	32.2	- 43.1	60.2	59.2	- 61.1
HIGH SCHOOL	12.3	10.5	- 14.2	7.9	6.6	- 9.2	9.6	8.5	- 10.7	22.9	20.4	- 25.3	40.0	36.5	- 43.5
COLLEGE 1-3 YRS	12.8	11.1	- 14.6	5.8	4.7	- 7.0	12.6	11.3	- 13.8	22.8	20.5	- 25.1	49.7	46.5	- 52.9
COLLEGE 4+ YRS	10.2	9.0	- 11.5	2.2	1.8	- 2.6	12.1	11.3	- 12.9	16.9	15.6	- 18.3	44.6	42.3	- 46.8
HOUSEHOLD INCOME															
<\$25,000	19.0	16.5	- 21.5	13.5	11.3	- 15.6	11.4	9.9	- 13.0	39.0	35.8	- 42.1	53.9	49.9	- 57.8
\$25,000-34,999	12.8	9.5	- 16.1	9.6	5.6	- 13.5	9.8	7.9	- 11.7	22.3	17.6	- 27.0	59.2	53.3	- 65.2
\$35,000-49,999	10.0	7.8	- 12.3	6.2	4.1	- 8.3	11.1	9.2	- 13.0	21.5	17.9	- 25.1	50.0	44.8	- 55.2
\$50,000-74,999	8.3	6.1	- 10.5	4.0	2.7	- 5.4	12.4	10.6	- 14.3	18.1	14.8	- 21.3	39.9	35.4	- 44.4
\$75,000+	10.0	8.6	- 11.5	2.3	1.7	- 2.8	11.9	10.9	- 12.9	15.0	13.4	- 16.6	42.7	40.2	- 45.3

* White, Black, and Asian race categories refer to non-Hispanic
† Insufficient data
¶ See p 62 for definition of disability

AGE-ADJUSTED PERCENTAGES FOR SELECTED TOPICS (CONTINUED)

MASSACHUSETTS BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM, 2014								
	TESTED FOR HIV IN PAST YEAR - AGES 18-64				ALWAYS USE A SEATBELT			
	%	95% CI			%	95% CI		
OVERALL	11.9	10.7	-	13.1	81.7	80.5	-	82.8
GENDER								
MALE	12.6	10.8	-	14.4	77.5	75.8	-	79.3
FEMALE	11.3	9.6	-	12.9	85.2	83.8	-	86.6
RACE-ETHNICITY*								
WHITE	9.1	7.8	-	10.5	80.9	79.5	-	82.3
BLACK	29.0	23.2	-	34.8	81.3	77.0	-	85.6
HISPANIC	23.0	17.4	-	28.7	82.8	79.2	-	86.5
ASIAN	3.8	3.4	-	4.2	85.1	78.2	-	91.9
DISABILITY [†]								
DISABILITY	20.6	17.2	-	24.1	77.5	75.0	-	80.0
NO DISABILITY	9.3	8.1	-	10.4	83.3	82.0	-	84.6
EDUCATION								
< HIGH SCHOOL	23.2	22.1	-	24.4	72.8	67.6	-	78.1
HIGH SCHOOL	11.5	8.8	-	14.3	73.9	71.2	-	76.7
COLLEGE 1-3 YRS	13.9	11.4	-	16.3	81.6	79.5	-	83.6
COLLEGE 4+ YRS	8.8	7.3	-	10.3	88.9	87.6	-	90.1
HOUSEHOLD INCOME								
<\$25,000	21.4	17.5	-	25.3	76.5	73.6	-	79.4
\$25,000-34,999	14.3	9.9	-	18.7	79.0	74.7	-	83.3
\$35,000-49,999	14.0	9.8	-	18.2	77.1	73.2	-	81.1
\$50,000-74,999	8.5	5.8	-	11.3	78.9	75.3	-	82.5
\$75,000+	8.4	6.6	-	10.3	86.1	84.3	-	87.9

* White, Black, and Asian race categories refer to non-Hispanic
† Insufficient data
¶ See p 62 for definition of disability

MASSACHUSETTS AND NATIONAL ESTIMATES

MASSACHUSETTS BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM, 2014			
VARIABLES	MA %	US MEDIAN [†] %	US RANGE [†] %
OVERALL HEALTH MEASURES			
FAIR OR POOR HEALTH	14.5	16.9	11.7 – 35.4
15+ POOR MENTAL HEALTH DAYS	11.3	10.4	7.3 – 15.2
15+ DAYS IN POOR PHYSICAL HEALTH	9.7	10.6	6.2 – 16.3
HEALTH CARE ACCESS AND UTILIZATION			
HAVE PERSONAL HEALTH CARE PROVIDER	89.3	76.7	64.8 – 89.3
COULD NOT SEE DOCTOR DUE TO COST	8.3	13.1	7.0 – 22.1
CHECKUP IN PAST YEAR	78.5	69.6	57.8 – 80.3
DENTAL VISIT IN THE PAST YEAR	74.7	65.3	54.0 – 74.9
6 OR MORE TEETH MISSING	15.6	15.1	9.0 – 31.3
RISK FACTORS AND PREVENTIVE BEHAVIORS			
CURRENT SMOKER	14.7	18.1	9.7 – 29.2
FORMER SMOKER	26.8	24.8	15.1 – 32.0
USE SMOKELESS TOBACCO	1.5	4.2	0.9 – 8.8
QUIT ATTEMPT AMONG CURRENT SMOKERS	65.2	60.1	52.7 – 70.7
BINGE DRINKING	17.4	16.0	9.6 – 24.9
HEAVY DRINKING	7.0	5.9	3.3 – 9.1
OVERWEIGHT	58.9	64.9	54.9 – 70.7
OBESITY	23.3	29.5	21.3 – 35.9
PHYSICAL ACTIVITY IN PAST MONTH	79.9	76.8	59.4 – 83.6
FLU VACCINE IN PAST YEAR (ALL AGES)	43.7	39.9	25.9 – 50.2
CHRONIC HEALTH CONDITIONS			
DIABETES	9.7	10.0	7.1 – 15.7
EVER HAD ASTHMA	17.6	13.8	11.1 – 17.6
CURRENTLY HAVE ASTHMA	12.0	8.9	5.6 – 12.0
MYOCARDIAL INFARCTION (35+)	5.6	6.0	3.7 – 9.7
ANGINA (35+)	5.8	5.8	3.6 – 11.0
STROKE (35+)	3.5	4.0	2.5 – 6.4
COPD	6.5	6.4	3.2 – 13.5
CANCER	12.5	11.6	3.7 – 14.7
CANCER SCREENING			
BLOOD STOOL TEST IN PAST 2 YRS (50+)	13.8	12.7	4.8 – 27.3
SIGMOID OR COLONOSCOPY PAST 5 YRS (50+)	58.8	51.8	31.9 – 59.9
MAMMOGRAPHY IN PAST 2 YRS (40+)	82.1	72.9	62.2 – 82.1
CLINICAL BREAST EXAM (40+)	83.6	72.7	57.6 – 83.7
PAP SMEAR IN PAST THREE YEARS	73.5	68.9	59.6 – 76.7
OTHER TOPICS			
EVER TESTED FOR HIV (18-64)	43.4	39.7	24.0 – 75.0
DRINKING & DRIVING	2.0	1.7	0.5 – 4.8
UNINTENTIONAL FALLS (65+)	28.6	28.3	20.0 – 34.0
INJURY FROM UNINTENTIONAL FALL (65+)	10.6	10.2	6.6 – 13.0
SEATBELT USE	81.8	85.4	63.3 – 93.7

[†] The US median percentage and range are based on data for all 50 states, District of Columbia, and Territories.

ITEM-SPECIFIC NON-RESPONSE

MASSACHUSETTS BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM, 2014	
	PERCENTAGE OF NON-RESPONSE*
	%
OVERALL HEALTH MEASURES	
FAIR OR POOR HEALTH	0.3
15+ DAYS IN POOR PHYSICAL HEALTH	2.7
15+ POOR MENTAL HEALTH DAYS	2.1
DISABILITY	5.7
NO HEALTH INSURANCE (AGES 18-64)	2.9
HAVE PERSONAL HEALTH CARE PROVIDER	0.4
COULD NOT SEE DOCTOR DUE TO COST	0.2
HAD CHECKUP IN PAST YEAR	1.3
DENTAL VISIT IN THE PAST YEAR	1.8
6 OR MORE TEETH MISSING	3.9
CURRENT SMOKER	6.2
FORMER SMOKER	6.2
USE SMOKELESS TOBACCO	5.6
QUIT ATTEMPT AMONG CURRENT SMOKERS	0.5
EXPOSED TO ENVIRONMENTAL SMOKE	14.1
BINGE DRINKING	8.4
HEAVY DRINKING	8.7
OVERWEIGHT	8.1
OBESITY	8.1
LEISURE-TIME PHYSICAL ACTIVITY	0.1
FLU VACCINE IN THE PAST YEAR (18-49)	8.0
FLU VACCINE IN THE PAST YEAR (50-64)	6.1
FLU VACCINE IN THE PAST YEAR (65+)	6.2
EVER HAD PNEUMONIA VACCINE(65+)	11.9
HPV VACCINATION (FEMALES, 18-34)	23.5
HEPATITIS B VACCINE	24.0
EVER HAD SHINGLES VACCINE (60+)	8.4
PRE-DIABETES	10.9
DIABETES	0.2
EVER HAD ASTHMA	0.4
CURRENTLY HAVE ASTHMA	0.9
HEART ATTACK (35+)	0.5
ANGINA OR CORONARY HEART DISEASE (35+)	0.7
STROKE (35+)	0.4
EVER CANCER DIAGNOSIS	0.7
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.6
EVER DIAGNOSED WITH DEPRESSION	0.7
SIGMOID OR COLONOSCOPY PAST 5 YRS (50+)	11.4
MAMMOGRAPHY IN PAST 2 YRS (40+)	9.4
EVER TESTED FOR HIV (18-64)	12.1
DRINKING & DRIVING	11.8
UNINTENTIONAL FALLS (65+)	7.4
SEATBELT USE	7.9

* The item-specific unweighted non-response % was calculated using the number of respondents who had finished the demographic section of the 2014 BRFSS as the denominator and those who reported don't know or refused as the numerator.

TERMS, DEFINITIONS AND STATISTICAL METHODOLOGY

This report presents data from the **combined sample** - both landline and cell phone respondents except where specifically noted. The combined sample contained 15,654 respondents.

- **The landline component** contained 11,678 respondents (74.6% of the combined sample). Massachusetts landline sample 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 4,619 respondents,
 - Split 2 contained 3,466 respondents,
 - Split 3 contained 3,593 respondents.
 - In order to obtain more information about minorities, cities of Boston, Brockton, Lowell, Lynn, New Bedford, Quincy, Springfield, and Worcester were over-sampled.
- **The cell phone component** contained 3,976 respondents (25.4% of the combined sample). The cell phone sample was designed without splits. Hampden, Middlesex, Suffolk and Worcester counties were over-sampled. This survey was shorter than the landline survey, consisting of the CDC core questions and only a few Massachusetts-added questions.

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 (landline and cell phone) sample, for the entire landline sample, and for each of the three versions of the landline 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 in order 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.

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 limited in any way in any activities because of physical, mental, or emotional problems?
2. Do you now have any health problem that requires you to use special equipment, such as a cane, a wheelchair, a special bed, or a special telephone?
3. Are you blind or do you have serious difficulty seeing, even when wearing glasses?
4. Because of a physical, mental, or emotional condition, do you have serious difficulty concentrating, remembering or making decisions?
5. Do you have serious difficulty walking or climbing stairs?
6. Do you have difficulty dressing or bathing?
7. Because of a physical, mental or emotional condition, do you have difficulty doing errands alone such as visiting a doctor’s office or shopping?

Race-ethnicity categories in this report include White, Black, Hispanic, and Asian. When referring to White, Black, or Asian, these categories include only non-Hispanic respondents. All respondents reporting Hispanic ethnicity are included in the Hispanic category regardless of race.

Healthy People 2020 Objectives: *Healthy People 2020: National Health Promotion and Disease Prevention Objectives* is a national agenda that aims to significantly improve the health of Americans in the decade preceding the year 2020. Healthy People 2020 defined four overarching national goals to: attain high-quality, longer lives free of preventable disease, disability, injury, and premature death; achieve health equity, eliminate disparities, and improve the health of all groups; create social and physical environments that promote good health for all; and promote quality of life, healthy development, and healthy behaviors across all life stages. For each health status indicator in this report that has a corresponding Healthy People 2020 Objective, the year 2020 target is shown in the summary table in the Appendix.

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 households 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. 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.
- 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.