



Health Behaviors and Risk Factors in Livingston County:

Results of the

2014 Livingston County Behavioral Risk Factor Survey

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BRFSS METHODS

OVERVIEW

The Michigan Department of Health and Human Services (MDHHS), in conjunction with the U.S. Centers for Disease Control and Prevention (CDC), collects statewide data on health behaviors and health risks as part of the Behavioral Risk Factor Surveillance Study (BRFSS). Though the sample size is more than sufficient for analysis at the state level, the county level sample size, especially for smaller counties, is not sufficient on an annual basis to allow for in depth analysis. With assistance from MDHHS, counties contract with the Michigan State University Institute for Public Policy and Social Research's Office for Survey Research (OSR) to collect county level BRFSS type data. This arrangement includes the combining of the Michigan BRFSS (MiBRFSS) annual data from the specific county's residents with the county-level data that is collected by OSR, as well as the application of the CDC interview protocols and weighting methodology. For a brief description of the CDC protocols and weighting, go to http://www.cdc.gov/brfss/data_documentation/pdf/userguidejune2013.pdf.

Livingston County Health Department contracted with OSR to collect 675 county-level interviews, of which 405 were to be from the landline sampling frame and 250 from the cell phone sampling frame. The distribution of completed interviews between landline and cell in the Livingston County BRFSS was done to approximate the target split in the MiBRFS. These interviews were to supplement the anticipated 125 interviews collected as part of the MiBRFSS. The completed interviews from both studies were then merged together for weighting and analysis.

The Livingston County BRFS interviewing began September 8, 2014 and ended February 3, 2015. The Michigan BRFS interviewing began on January 14, 2014 and ended December 31, 2014.

SAMPLE AND ENUMERATION

Sample Design

The Livingston County BRFS sample was drawn from both landline and cell phone sampling frames by Survey Sampling Inc. and Genesys (for MiBRFSS) for OSR. The landline sample for the Livingston County BRFS was drawn using listed-assisted, random digit dial sampling procedures of all Livingston County landline phone numbers to ensure that all Livingston County residents with landlines had a chance of selection. The landline sample for the MiBRFSS was drawn stratified by regions of the state and not by specific counties.

Names and addresses were included in the sample order for those landline cases that were directory listed to enable the sending of pre-notification letters by OSR prior to calling. A copy of the letter can be found in the appendix of this report.

Due to the increasing number of households that are cell phone only, a cell phone component is essential to prevent a non-coverage bias due to the exclusion of this group). Survey Sampling Inc. reported that currently cell phone only households comprise 40.9% of all households in Livingston County (as of March 3, 2015).

Cell phone sampling frames differ from landline sampling frames on two key components. First, there is no directory listing of cell phone numbers to allow the sending of pre-notification letters. The second is that the sampling frame, currently, can only be dissected down to the geographic level of telephone billing centers which generally coincide with county borders, but not always, especially in areas of high population or very low population. Billing centers are based on where the cell phone contract was purchased and not on where the phone's owner currently resides. This creates two types of coverage issues. Those who purchased a phone outside of the billing center area are excluded from the local frame of cell phone numbers and those who purchased within the area, but no longer reside there are included and thus need to be screened out as ineligible. The sampling strategy for Livingston County BRFSS focused on the billing center(s) associated with the area of Livingston County and the MiBRFSS sample was drawn from the billing centers in the region that Livingston County was included in.

Enumeration

Eligibility for this study required the respondent to be an English-speaking, non-institutionalized Livingston County adult resident of at least 18 years of age who was capable of completing the interview without assistance due to mental, physical or language barrier. Just as in the MiBRFSS, which follows CDC BRFSS protocols, those living in group quarters were excluded except for those living in college/university housing, such as dormitories.

Those contacted by landline were not excluded if they had a cell phone and those who were contacted by cell phone who also had a landline in their household were also not excluded. As such, there were four types of person contacted in terms of their telephone service: (1) those with only landline, (2) those with only a cell phone, (3) those with both a landline and a cell phone who were sampled via their landline, and (4) those with both a landline and a cell phone who were sampled via their cell phone. This created an overlapping sampling frame of two groups with both types of service that was adjusted for during the weighting process.

Within-household enumeration differed between landline and cell phone samples, though both follow the procedures defined by CDC for the MiBRFSS. Landline enumeration involved systematically selecting one adult from eligible households using a modified version of the Trol Dahl-Carter procedure. Given that cell phones are generally considered "personal" phones for the purposes of most U.S. telephone surveys, enumeration only included verifying that the person who answered did indeed meet the eligibility criteria mentioned above.

INTERVIEWING INSTRUMENT

The interviews were conducted by OSR using CASES 5.5, a Computer Assisted Telephone Interviewing (CATI) software program designed by the University of California at Berkeley. The

interviews were all completed at OSR’s survey research lab located on Michigan State University’s East Lansing campus.

The interviewing instrument was composed of three parts. The first part consisted of the standardized CDC core questions that are asked annually or biannually in the MiBRFSS. The second part of the interview was comprised of a portion of the state-added questions from the 2014 Michigan BRFSS interview. The final portion of the interview included Livingston County specific questions. The sections that are Livingston County only were not asked of the respondents from the Michigan BRFSS. Table 1 lists the sections in the order asked.

TABLE 1: INTERVIEW SECTIONS	
Section 1:	Health Status (CDC)
Section 2:	Healthy Days - Health-Related Quality of Life (CDC)
Section 3:	Health Care Access (CDC)
Section 4:	Exercise (CDC)
Section 6:	Chronic Health Conditions (CDC)
Section 6a:	CDC Pre-diabetes Module (CDC)
Section 7:	Oral Health (CDC)
Section 8:	Demographics (CDC)
Section 9:	Tobacco Use (CDC)
Section 10:	Alcohol Consumption (CDC)
Section 11:	Immunization (CDC)
Section 12:	Falls (CDC)
Section 13:	Seatbelt Use (CDC)
Section 14:	Drinking and Driving (CDC)
Section 15:	Breast and Cervical Cancer Screening (CDC)
Section 16:	Prostate Cancer Screening (CDC)
Section 17:	Colorectal Cancer Screening (CDC)
Section 22:	Other Tobacco Questions (MDHHS)
Section 23:	Oral Health Care (MDHHS)
Section 34:	Alcohol Screening (MDHHS)
Livingston 1:	Childcare
Livingston 2:	Behavioral Health
Livingston 3:	Radon
Livingston 4:	Drug Use
Livingston 5:	Misuse of Prescription Drugs
Livingston 6:	Emergency Preparedness
Livingston 7:	Interpersonal Violence

A copy of the substantive interview scripts and the programmed interview instrument can be found in the Appendix of this report.

CALLING PROTOCOLS AND OUTCOMES

Calling Protocols

Calling procedures for this study followed the rigorous calling protocols defined by CDC and MDHHS for the statewide study. These protocols define the number of call attempts before removing a case from calling, the distribution of these calls across calling periods and days, and the handling of cases in which someone refused to participate. These calling protocols differ between the landline and cell phone sampling frames.

Case Outcomes

A total of 413 interviews were completed from the landline RDD Livingston County sample and 266 from the cell phone RDD sample, for a total of 679. An additional 85 landline and 66 cell phone cases were included from the MiBRFSS study. The grand total of completed interviews from Livingston County adult residents is 830. This gives an overall margin of sampling error (MOSE) for the sample of $\pm 3.4\%$ or less for questions that were asked of the entire sample. The completed interviews from the MiBRFSS did not include the Livingston County BRFSS sections in their interviews. For these questions, the overall MOSE is $\pm 3.8\%$. For questions only asked of a small portion of the sample, the MOSE is likely to be larger.

Partially completed interviews that are allowed into the final dataset are defined by CDC as any interview that had proceeded far enough to have data for the demographic section and that only some of the key weighting variables could be refused. Using these criteria, additional data from 16 Livingston County landline partials and 10 cell phone partials, as well as two MiBRFSS landline partials and two cell phone partials were included in the final data set.

The average interview length for Livingston County BRFSS landline was 22.7 minutes and for cell was 21.0 minutes. The number of call attempts to complete a Livingston County BRFSS landline interview range from one to 18 with an average of 4.1 call attempts. For Livingston County BRFSS cell, the number of call attempts for a completed interview ranged from one to 16 and the average number of calls was 4.5.

Using the 2012 BRFSS-provided specifications, the CASRO response rate for Livingston County BRFSS landline sample was 49.3% with a refusal rate of 10.9%. For Livingston County BRFSS cell sample, the CASRO response rate case 42.4% and the refusal rate was 9.5%. The call outcome distribution table and other interview production rates can be seen in Table 2.

Table 2: Sample Outcome Distribution for 2014 Livingston County BRFSS

		Landline	Cell
1100	Complete	413	266
1200	Partial complete	16	10
2111	Household level refusal (landline only)	44	
2112	Known respondent refusal	37	52
2120	Break off/termination with Q	14	10
2210	Respondent never available	45	54
2220	Household answering device (landline only)	33	
2320	R physically/mentally unable	23	5
2330	R language barrier	1	1
3100	Unknown if housing unit	393	647
3130	No answer	63	63
3140	Answering device, unknown if residence/R eligible	283	508
3150	Telecommunication barrier	6	38
3200	Household, not known if R eligible	113	3
3322	Physical/mental impairment, household	19	4
3330	Language barrier, household	0	2
3700	On never call list		
4100	Out of sample	25	17
4200	Fax/data/modem	39	0
4300	Nonworking number/disconnected	1308	359
4400	Special technological circumstance	125	757
4430	Call forwarding/pager	0	0
4450	Cell phone (landline only)	8	
4460	Landline (cell phone only)		6
4470	Cell phone R with landline (cell phone only)		348
4500	Non residence	111	15
4510	Group home	2	5
4700	Household, no eligible R	0	84
4900	Miscellaneous, non-eligible	0	0
Total		3121	3254
CATEGORIES			
	COIN (Complete/partial complete)	429	276
	CONELIG (contact/eligible)	593	398
	CONUNK (contact/unknown eligibility)	525	656
	ELIG (eligible)	626	398
	HH (households)	791	862

	ELIGHH (known household/personal cell phone, not interviewed)	197	122
	UNKELIG (Unknown eligibility)	877	1265
	TERE (Break offs, terminations, refusals)	95	62
	CONINELIG (contact with ineligible household/R)	33	455
	INELIG (ineligible)	1618	1591
	e (eligibility factor)	0.278966	0.200101
RATES			
	1. Eligible household/respondents	870.6	651.1
	2. Contact rate	70.8%	61.1%
	3. Resolution rate	90.2%	88.7%
	4. Cooperation rate (AAPOR cooperation rate #2)	68.5%	69.3%
	5. Screening completion rate	79.1%	99.0%
	6. CASRO rate	49.3%	42.4%
	7. Interview completion rate	81.9%	81.7%
	8. Refusal rate (AAPOR refusal rate #2)	10.9%	9.5%
	9. CASRO response rate (AAPOR response rate)	49.3%	42.4%
	10. Response rate (AAPOR response rate #6)	68.5%	69.3%

WEIGHTING DATA

The data were weighted using the 2013 CDC BRFSS Raking methodology. This weighting procedure differs from the one used previously for the Livingston County BRFSS studies. For this reason, **comparisons to previous years must be done with caution.**

The data are initially assigned a stratum weight based on the probability of select from the sampling frame within a stratum. The design weight is then calculated from the stratum weight by taking into account the within the household probability of selection. The stratum weight and design weight are identical for the cell sampling frame. An additional adjustment was made to the design weight to bring adjust for the proportion of cases that came from Livingston County BRFSS and the MiBRFSS. This adjustment appeared to be needed due to the fact that the MiBRFSS sample is drawn at the regional level and not the county-level, which created high design weights for all those coming from the MiBRFSS.

Missing data for age, race/ethnicity, education and marital status are imputed for the raking process based on procedures defined in the protocol. The design weight is then adjusted using a series of margin weights. Multiple iterations are often needed to bring the difference between the sample percentage and the population percentage for all categories of all margins are within +/- .025 percentage points.

The margins normally used are 1) age recoded into seven categories, by gender, 2) race/ethnicity, 3) education recoded into four categories, 4) marital status recoded into three categories, 5) homeowner status, 6) gender by race/ethnicity, 7) age recoded into three categories by race/ethnicity, and 8) telephone usage group. It was necessary to recode age for margin 1 in to six categories because of the small number in one of the age groups. Also, due to the high level of race/ethnic homogeneity (96% white/non-Hispanic), any margin that used race/ethnicity (margins 2, 6, and 7) were dropped from the racking process. Protocol requires any race/ethnicity category to include at least 5% of the sample population. A total of eight iterations were needed to bring the percentage difference to the protocol I level.

The final weight that comes out of this process is LLCPWT which weights to the population size. The weight to bring it back to the sample size is SAMPLEWT.

SAMPLE PROFILE

Table 3 contains the demographic profile of the sample after weighting. The percentages are very close to those of the county population.

Characteristic		Livingston County
Sex	Male	49.5%
	Female	50.5%
Age	18-29	16.5%
	30-39	15.9%
	40-49	18.2%
	50-59	24.0%
	60-69	13.3%
	70-79	9.2%
	80+	2.8%
Race	White, Non-Hispanic	95.9%
	Other	4.1%
Education	Less than high school	6.3%
	High school graduate	27.2%
	Some college	36.0%
	College graduate	30.5%
Marital status	Single (never married)	17.0%
	Married	63.7%
	Divorced	10.4%
	Widowed	5.1%
	Separated	1.7%
	Unmarried couple	2.1%
Employment status	Employed for wages	54.4%
	Self-employed	8.1%
	Out of work (>1 year)	1.7%
	Out of work (<1 year)	3.2%
	Homemaker	6.3%
	Student	6.2%
	Retired	15.9%
	Unable to work	4.0%
Children <18 in home	Yes	40.2%
	No	59.8%
Household income	<\$10,000	2.2%
	\$10,000-19,999	7.2%
	\$20,000-34,999	14.7%
	\$35,000-49,999	11.8%
	\$50,000-74,999	15.3%
	\$75,000+	48.9%

HEALTH STATUS INDICATORS

GENERAL HEALTH STATUS

Respondents in Livingston County were asked to assess their own health, from excellent to very good to fair or poor. Ten percent of Livingston County adults described their general health to be fair or poor. This is less than the 18 percent of Michigan adults who described their health as fair or poor in the 2013 MiBRFS. Table 1 indicates that:

- In general respondents with greater household income were less likely to rate their health as fair or poor. Twenty-nine percent of Livingston County adults with an income of less than \$20,000 per year rated their health as fair or poor, compared to three percent of Livingston adults with an income \$75,000 or greater per year.
- Those who reported a disability were more likely to report their health as fair or poor than those without a disability. Thirty-six percent of Livingston County adults with a disability reported their health as fair or poor, while three percent of Livingston adults without a disability reported their health as fair or poor, a 33 percentage point difference.

		% Fair or poor health status
Overall		10.3%
Sex	Male	10.1%
	Female	10.4%
Age	18-34	5.6%
	35-54	10.7%
	55-64	11.2%
	65+	15.3%
Income	<\$20,000	<i>28.6%</i>
	\$20,000-\$34,999	<i>13.3%</i>
	\$35,000-49,999	<i>16.8%</i>
	\$50,000-74,999	<i>4.9%</i>
	\$75,000+	<i>3.2%</i>
Have insurance	Insured	10.1%
	Uninsured	13.0%
Disability	Disabled	<i>36.1%</i>
	Not disabled	<i>3.7%</i>

Among all respondents, the percentage who reported fair or poor to the question, "Would you say that in general your health is excellent, very good, good, fair, or poor?"

*Statistically significant ($p < 0.05$) distribution in **bold italics**.*

QUALITY OF LIFE

Respondents in Livingston County were asked to report the number of days in the past 30 their physical and mental health was not good. Poor physical and mental health was defined as 14 or more days in the past 30 days in which the respondents rated their physical or mental health as not good. It is estimated that 10 percent of Livingston County adults were in poor physical health and 11 percent were in poor mental health. Comparably, 13 percent of Michigan adults reported poor physical health and 12 percent reported poor mental health in the 2013 MiBRFS. Table 2 shows that:

- Reported poor physical health increased with age in Livingston County. Nineteen percent of Livingston County adults 65 and older reported poor physical health, while three percent of those 18 to 34 reported poor physical health.
- Respondents with less income were more likely to report both poor physical and mental health. Twenty-two

percent and 36 percent of adults with a reported household income less than \$20,000 reported poor physical and mental health respectively, while four percent of adults with an income of \$75,000 or greater reported poor mental and physical health.

- Respondents without health insurance were about three times more likely to report poor mental health.
- Respondents who reported a disability were more likely to report both poor mental and physical health. Thirty-six percent and 29 percent of Livingston County adults with a disability report poor physical and mental health respectively, while four percent and eight percent of adults without a disability reported poor mental and physical health respectively.

Table 2: Percentage who reported 14 or more days in last month of poor physical health, mental health by demographic characteristics

		% Poor physical health	% Poor mental health
Overall		10.1%	11.4%
Sex	Male	8.3%	11.7%
	Female	11.9%	11.1%
Age	18-34	3.0%	12.2%
	35-54	10.3%	14.8%
	55-64	10.7%	10.1%
	65+	18.8%	3.9%
Income	<\$20,000	21.6%	35.9%
	\$20,000-\$34,999	16.4%	15.5%
	\$35,000-49,999	14.7%	12.2%
	\$50,000-74,999	5.0%	6.5%
	\$75,000+	3.8%	4.4%
Have insurance	Insured	10.1%	10.1%
	Uninsured	10.5%	31.9%
Disability	Disabled	35.6%	28.8%
	Not disabled	4.3%	7.6%

Among all respondents, the percentage who reported 14 or more days of poor physical health, which includes physical illness and injury, during the past 30 days.

Among all respondents, the percentage who reported 14 or more days of poor mental health, which includes stress, depression, and problems with emotions, during the past 30 days.

*Statistically significant ($p < 0.05$) distribution in **bold italics**.*

WEIGHT STATUS

Obesity has been linked to many diseases and health conditions.¹ Obesity was defined as having a Body Mass Index (BMI) greater than or equal to 30.0. BMI was calculated as weight in kilograms divided by height squared and the calculations were made with self-reported weight and height. Twenty-seven percent of Livingston County adults were obese, which is five percent less than the 32 percent of Michigan adults who were obese in the 2013 MiBRFS. Table 3 indicates that:

- The prevalence of obesity was not significantly different than expected across sex, age groups, income, groups, and insurance, and disability.

Table 3: Percentage who are obese, by demographic characteristics

		% Obese
Overall		27.3%
Sex	Male	25.7%
	Female	28.9%
Age	18-34	22.7%
	35-54	30.4%
	55-64	27.1%
	65+	27.5%
Income	<\$20,000	31.7%
	\$20,000-\$34,999	30.5%
	\$35,000-49,999	24.0%
	\$50,000-74,999	27.3%
	\$75,000+	26.8%
Have insurance	Insured	27.6%
	Uninsured	23.8%
Disability	Disabled	34.6%
	Not disabled	26.0%

*Body Mass Index (BMI), is defined as weight (in kilograms) divided by height (in meters) squared. Weight and height were self-reported. Pregnant women were excluded. Obese is defined as a BMI score greater than or equal to 30. The percentage reporting BMI is greater than or equal to 30. Statistically significant distribution ($p < 0.05$) in **bold italics**.*

¹ Centers for Disease Control and Prevention. 2012. Overweight and Obesity – Causes and Consequences. <http://www.cdc.gov/obesity/adults/cause/index.html>

LIMITED HEALTH CARE COVERAGE

Only about six percent of adults in Livingston County reported not having health insurance. This compares to 17 percent in the 2013 MiBRFS. Slightly more adults reported having limited health care assess. To measure limited health care assess, respondents were asked if they had a personal health care provider and if they have had a time during the past 12 months in which they needed to see a doctor but could not because of cost. Increased access to basic, primary health care has been shown to improve health outcomes. Thirteen percent of Livingston County adults did not have a personal doctor or health care provider, slightly less than the 17 percent for Michigan adults in the 2013 MiBRFS. And 10 percent of Livingston County adults had a time in the last 12 months in which they could not see a doctor due to cost, again less than the 16 percent of Michigan adults in the 2013 MiBRFS. Table 4 shows that:

- Males were more than twice as likely to not have a personal doctor or health care provider as females.
- Younger individuals were more likely to both not have a personal health provider and also not be able to access health care due to cost. Of those 18 to 34, 27 percent reported not having a personal health care provider and 13 percent having a time in which they could not see a doctor due to cost.
- Adults with lower income were more likely to report not being able to access health care due to cost. About 32 percent with a household income of less than \$20,000 reported not being able to see a doctor due to cost, while four percent with a household income between \$50,000 and \$74,999 and five percent with an income of \$75,000 or greater reported the same lack of access.
- Uninsured individuals reported having greater difficulties accessing health care. Fifty-two percent of uninsured individuals

Table 4: Percentage who reported having limited health care coverage, by demographic characteristics

		% No personal health care provider	% No health access due to cost
Overall		13.0%	10.2%
Sex	Male	18.7%	10.6%
	Female	7.5%	9.9%
Age	18-34	26.8%	13.0%
	35-54	12.4%	13.7%
	55-64	6.4%	7.0%
	65+	3.3%	1.9%
Income	<\$20,000	22.3%	32.2%
	\$20,000-\$34,999	16.5%	20.2%
	\$35,000-49,999	13.2%	11.2%
	\$50,000-74,999	17.5%	4.4%
	\$75,000+	10.0%	4.9%
Have insurance	Insured	10.5%	9.0%
	Uninsured	52.3%	29.3%
Disability	Disabled	11.4%	19.4%
	Not disabled	13.6%	7.8%

Among all adults, the percentage who reported that they did not have anyone they thought of as their personal doctor or health care provider.

Among all adults, the percentage reporting that in the past 12 months, they could not see a doctor when they needed to due to cost.

*Statistically significant distribution ($p < 0.05$) in **bold italics**.*

reported not having a personal doctor of health care provider, compared to 11 percent of insured individuals. Also about 29 percent of uninsured individuals reported to have no health access due to cost, compared to about nine percent of the insured.

RISK BEHAVIOR INDICATORS

NO LEISURE TIME PHYSICAL ACTIVITY

Regular physical activity has been shown to reduce the risk of many important diseases and health conditions, such as cardiovascular disease and diabetes.² Respondents were asked if during the past month, other than their regular job, if they participated in any physical activities or exercises. It is estimated that 21 percent of Livingston County adults did not participate in physical activities or exercises over the past month, similar to the 24 percent for the state in the 2013 MiBRFS. Table 5 summarizes the results:

- The prevalence of no leisure time physical activity or exercise decreased with household income increasing. Thirty-eight percent of individuals with a household income less than \$20,000 reported no physical exercise or activity, while 12 percent of individuals with a household income of \$75,000 or greater reported no physical activity or leisure time.
- Disabled respondents were more likely to report no leisure physical activity or exercise than individuals without a disability.

Table 5: Percentage who reported participating in no leisure time physical activity, by demographic characteristics

		% No leisure time physical activity
Overall		20.7%
Sex	Male	21.0%
	Female	20.5%
Age	18-34	14.1%
	35-54	20.7%
	55-64	21.5%
	65+	28.9%
Income	<\$20,000	38.0%
	\$20,000-\$34,999	27.5%
	\$35,000-49,999	23.2%
	\$50,000-74,999	18.3%
	\$75,000+	11.7%
Have insurance	Insured	20.6%
	Uninsured	24.2%
Disability	Disabled	39.4%
	Not disabled	15.4%

Percentage who reported not participating in any leisure time physical activities or exercises such as running, calisthenics, golf, gardening, or walking for exercise during the past month. Statistically significant distribution (p<0.05) in bold italics.

² Centers for Disease Control and Prevention. 2011. Physical Activity and Health – The Benefits of Physical Activity. <http://www.cdc.gov/physicalactivity/everyone/health>.

CIGARETTE SMOKING

Cigarette smoking causes major health problems. Cigarette smoking is closely linked to lung cancer and emphysema.³ Forty-nine percent of adults reported having smoked at least 100 cigarettes in their entire life. To measure current smoking, respondents were asked if they had ever smoked at least 100 cigarettes (5 packs) in their life and if they smoke cigarettes now, either every day or on some days. Twenty percent of Livingston County adults reported that they smoke cigarettes on a regular basis, comparable to the 21 percent of Michigan adults who reported smoking cigarettes on a regular basis in the 2013 MiBRFS. Table 6 shows that:

- Younger respondents were more likely to be currently smoking.

Thirty-one percent of those 18 to 34 were current smokers, while seven percent of individuals 65 and older were current smokers.

- The prevalence of smoking decreased as income increased. About one-in-three respondents with a household income less than \$20,000 were current smokers, compared to about one-in-six respondents with a household income \$75,000 or greater.
- Uninsured respondents in Livingston County were more than two times more likely than insured respondents to be current smokers.

Table 6: Percentage who currently smoke cigarettes, by demographic characteristic.

		% Current smoking
Overall		19.7%
Sex	Male	18.4%
	Female	20.9%
Age	18-34	30.7%
	35-54	22.5%
	55-64	12.2%
	65+	7.2%
Income	<\$20,000	33.0%
	\$20,000-\$34,999	30.7%
	\$35,000-49,999	18.1%
	\$50,000-74,999	15.5%
	\$75,000+	15.0%
Have insurance	Insured	18.2%
	Uninsured	42.4%
Disability	Disabled	23.1%
	Not disabled	18.9%

The percentage who reported that they had ever smoked at least 100 cigarettes (5 packs) in their lifetime and that they smoke cigarettes now, either every day or on some days.

*Statistically significant distribution ($p < 0.05$) in **bold italics**.*

³ U.S. Department of Health and Human Services. 2014. The Health Consequences of Smoking – 50 Years of Progress: A Report of the Surgeon General. <http://www.surgeongeneral.gov/library/reports/50-years-of-progress/fullreport.pdf>

SECONDHAND SMOKE

Exposure to secondhand smoke increases the risk of lung cancer and other health conditions.⁴ Respondents were asked about their exposure to secondhand smoke in their home or car within the past seven days. About 20 percent reported they were exposed to secondhand smoke in either their car or home within the past seven days, lower than the 27 percent of Michigan adults in the 2013 MiBRFS. Table 7 indicates that:

- Prevalence of reported secondhand smoke exposure decreased as age increased. About one-in-three of those 18 to 34 reported being exposed to secondhand smoke in their car or home within the last seven days, compared to seven percent of those 65 or older.
- Generally, the prevalence of reported secondhand exposure decreased as household income increased.

Table 7: Percentage who reported exposure to secondhand smoke, by demographic characteristics

		% Secondhand smoke exposure
Overall		19.7%
Sex	Male	22.4%
	Female	16.9%
Age	18-34	33.4%
	35-54	19.9%
	55-64	11.6%
	65+	7.4%
Income	<\$20,000	28.1%
	\$20,000-\$34,999	33.7%
	\$35,000-49,999	15.7%
	\$50,000-74,999	14.7%
	\$75,000+	16.5%
Have insurance	Insured	19.7%
	Uninsured	21.3%
Disability	Disabled	19.5%
	Not disabled	19.6%

*The percentage who reported being exposed to secondhand smoke in their home or car in the last seven days.
Statistically significant distribution (p<0.05) in **bold italics**.*

⁴ U.S. Department of Health and Human Services. 2014. The Health Consequences of Smoking – 50 Years of Progress: A Report of the Surgeon General. <http://www.surgeongeneral.gov/library/reports/50-years-of-progress/fullreport.pdf>

SMOKELESS TOBACCO

Smokeless tobacco is associated with dangerous health conditions and diseases, including different types of cancer.⁵ About four percent of respondents use smokeless tobacco either every day or some days.⁶

- Males were more likely to use smokeless tobacco than women. About six percent of males used smokeless tobacco either every day or some days.
- Younger individuals were more likely than their older counterparts to use smokeless tobacco. About nine percent of those 18 to 34 reported using smokeless tobacco, compared to less than one percent of those 65 or older.
- Those with a household income greater than

\$75,000 were least likely to report using smokeless tobacco every day or some days than respondents at other household income levels.

Table 8: Percentage who reported currently using smokeless tobacco, by demographic characteristic

		% Use smokeless tobacco
Overall		3.6%
Sex	Male	6.3%
	Female	0.9%
Age	18-34	8.6%
	35-54	3.6%
	55-64	0.2%
	65+	0.8%
Income	<\$20,000	5.1%
	\$20,000-\$34,999	4.5%
	\$35,000-49,999	3.2%
	\$50,000-74,999	5.4%
	\$75,000+	1.2%
Have insurance	Insured	3.4%
	Uninsured	1.9%
Disability	Disabled	1.5%
	Not disabled	4.1%

The percentage who reported using chewing tobacco, snuff, or snus every day or some days.

*Statistically significant distribution ($p < 0.05$) in **bold italics**.*

⁵ National Cancer Institute. 2010. Fact Sheet – Smokeless Tobacco and Cancer.

<http://www.cancer.gov/cancertopics/causes-prevention/risk/tobacco/smokeless-fact-sheet>

⁶ Results from this question were not included in either the 2012 or 2013 Behavioral Risk Factor Survey Report produced by the Michigan Department of Community Health.

ALCOHOL CONSUMPTION

Although alcohol consumption is quite common, excessive alcohol consumption is dangerous and could lead to death.⁷ Binge drinking is defined as consuming five or more alcoholic drinks per an occasion for men and four or more alcoholic drinks per an occasion for women. Heavy drinking is defined as consuming more than two alcoholic drinks per day for men and more than one alcoholic drink per day for women in the past month.

About 67 percent of Livingston County adults reported some form of alcohol consumption in the past month. One-in-ten reported heavy drinking. Twenty-six percent reported binge drinking at least once in the past month, greater than the 19 percent of Michigan adults who reported binge drinking in the 2013 MiBRFS. Table 8 shows that:

- Males (34 percent) were more likely to engage in binge drinking than females (19 percent).
- The prevalence of binge drinking decreased with age. Thirty-nine percent of those 18 to 34 reported binge drinking at least once in the past month, compared to 11 percent of those 65 or older.
- Those with lower household incomes were likely to report binge drinking. Thirty-eight percent of those with a household income of less than \$20,000 engaged in binge drinking at least once in the past month.
- Uninsured individuals (46 percent) were more likely than insured individuals (25 percent) to report binge drinking.
- Respondents without a disability were more likely to report both heavy drinking and binge drinking than disabled respondents.

Table 9: Percentage who reported heavy drinking and binge drinking, by demographic characteristics

		% Heavy drinking	%Binge drinking
Overall		10.0%	26.2%
Sex	Male	10.4%	33.8%
	Female	9.7%	18.8%
Age	18-34	10.7%	38.9%
	35-54	12.5%	30.0%
	55-64	8.5%	16.9%
	65+	5.4%	10.5%
Income	<\$20,000	26.5%	37.8%
	\$20,000-\$34,999	8.5%	19.4%
	\$35,000-49,999	1.7%	14.0%
	\$50,000-74,999	9.5%	24.3%
	\$75,000+	10.9%	30.3%
Have insurance	Insured	8.6%	25.0%
	Uninsured	29.0%	46.1%
Disability	Disabled	5.2%	10.6%
	Not disabled	11.4%	29.9%

The percentage who reported an average of more than 2 drinks per day (for males) or more than 1 drink per day (for females) every day of the past month.

The percentage who reported consuming 5 or more drinks per occasion (for males) or four or more drinks per occasion (for females) at least once in the previous month.

*Statistically significant distribution ($p < 0.05$) in **bold italics**.*

⁷ Centers for Disease Control and Prevention. 2012. Alcohol and Public Health – Alcohol-Related Disease Impact. http://apps.nccd.cdc.gov/DACH_ARDI/Default/Default.aspx

MOTOR VEHICLE SAFETY

Motor vehicles can be dangerous. Two possible sources of danger on the road are not using seat belts and driving after drinking alcohol. Seat belt use is mandatory by Michigan law because it saves lives in motor vehicle crashes and consumption of alcohol can be a major factor in serious and fatal motor vehicle crashes.

It is estimated that 92 percent of Livingston County adults reported to always use seat belts. Eighty-eight percent did not always use a seatbelt in the 2012 MiBRFS. Three percent reported that they drove a motor vehicle after drinking too much at least once in the past month, slightly greater than the two percent who reported in the 2012 MiBRFS. Table 9 indicates that:

- Females were more slightly likely than males to report that they always use a seat belt. Ninety-five percent of females reported always using a seat belt, compared to 89 percent of males.
- Reported seat belt use generally increased with age. 84 percent of those 18 to 34 reported always using a seat belt, while 96 percent of those 65 and older reported always using a seat belt.
- Males were likely than females to report driving after drinking. About six percent of Livingston County adult males reported driving after drinking too much at least once in the past month, compared to less than one percent of females.
- Those 35 to 54 were more likely to report drinking after driving than other age groups. Seven percent of respondents 35 to 54 reported driving after drinking too much at least once in the past month, while less than two percent of those in the other age groups reported driving after drinking.

Table 10: Percentage who reported always using their seat belt or driving after drinking, by demographic characteristic

		% Always use seatbelt	% Drove after drinking
Overall		92.1%	3.3%
Sex	Male	89.2%	6.2%
	Female	95.0%	0.5%
Age	18-34	84.5%	0.5%
	35-54	93.9%	6.9%
	55-64	93.2%	1.6%
	65+	96.3%	0.2%
Income	<\$20,000	86.0%	13.5%
	\$20,000-\$34,999	93.4%	0.0%
	\$35,000-49,999	82.5%	0.6%
	\$50,000-74,999	91.3%	3.1%
	\$75,000+	94.3%	4.1%
Have insurance	Insured	93.1%	2.1%
	Uninsured	76.4%	21.6%
Disability	Disabled	92.8%	1.4%
	Not disabled	92.0%	3.8%

The percentage who reported always using a seatbelt when driving or riding in a car.

The percentage who reported that they had driven when they have had perhaps too much to drink at least once in the past month.

*Statistically significant distribution ($p < 0.05$) in **bold italics**.*

- Adults in Livingston County with lower household incomes were more likely to reporting driving after drinking. Fourteen percent of those with household incomes less than \$20,000 report driving after drinking.
- Uninsured adults were more likely to report driving drunk than insured adults. Twenty-two percent of uninsured adults reported driving after drinking at least once in the past month, while three percent of insured adults reported driving after drinking.

CLINICAL PREVENTIVE PRACTICES

ROUTINE CHECKUP

A yearly routine checkup is important for preventative health by ensuring proper immunization and other important preventative practices.⁸ In Livingston County, it is estimated that 74 percent of adults had a routine checkup within the past year, which is similar to the 70 percent of Michigan adults in the 2013 MiBRFS. Table 11 indicates that:

- Females (81 percent) were more likely than males (66 percent) to report having a routine checkup within the past year.
- The prevalence of having a routine checkup increased with age. Sixty-three percent of those 18 to 34 reported having a checkup within the past year, compared to 86 percent of respondents 65 or older.
- The likelihood of a routine check-up increased as household income increased. Adults with a household income of less than \$20,000 (57 percent) and between \$35,000 and \$49,999 (58 percent) per year were less likely than respondents at other income levels to report having a routine checkup in the past year. Seventy-three percent of respondents with a household income between \$50,000 and \$74,999 reported having a routine check-up in the past year, the next lowest percentage.
- Insured respondents (76 percent) were more than twice as likely to report having a routine checkup in the past year as uninsured respondents (35 percent).

Table 11: Percentage who reported having a routine checkup in past year, by demographic characteristics

		% Routine checkup within past year
Overall		73.7%
Sex	Male	65.9%
	Female	81.2%
Age	18-34	63.1%
	35-54	72.0%
	55-64	77.8%
	65+	85.7%
Income	<\$20,000	56.9%
	\$20,000-\$34,999	72.7%
	\$35,000-49,999	57.5%
	\$50,000-74,999	73.4%
	\$75,000+	79.6%
Have insurance	Insured	76.2%
	Uninsured	35.4%
Disability	Disabled	92.8%
	Not disabled	92.0%

The percentage who reported that they had a routine medical checkup within the past year.

*Statistically significant distribution ($p < 0.05$) in **bold italics**.*

⁸ Centers for Disease Control and Prevention. 2014. Family Health – Regular Checkups are Important. <http://www>

BREAST CANCER SCREENING

Breast cancer is the second leading cause of deaths among United States women.⁹ Early detection of breast cancer, through screening tools such as mammography and clinical breast exams, is important preventative health. Of women aged 40 years and older, about 79 percent reported having had a mammogram in the past two years. In the 2012 MiBRFS, 77 percent of women aged 40 years and older reported having a

mammogram in the last two years. About 49 percent reported having had a clinical breast exam and mammogram within the past year. Table 12 shows that:

- The prevalence of breast cancer screening was similar at different ages, although women 65 and older were slightly less likely to report breast cancer screening.
- From women 40 and older, the prevalence of having a clinical breast exam and mammogram in the past year increased as household income increased.
- Insured women were far more likely to receive breast cancer screening than uninsured women.

Table 12: Percentage of Women 40 and older who reported having a mammogram and/or clinical breast exam, by demographic characteristics

		% Had mammogram in past two years among women aged 40 years or older	% Had clinical breast exam and mammogram in past year among women 40 years and older
Overall		79.2%	48.9%
Age	40-54	80.2%	52.1%
	55-64	83.9%	49.9%
	65+	72.8%	41.9%
Income	<\$20,000	82.4%	36.0%
	\$20,000-\$34,999	69.8%	49.8%
	\$35,000-49,999	71.5%	44.9%
	\$50,000-74,999	87.1%	51.5%
	\$75,000+	80.9%	53.0%
Have insurance	Insured	81.3%	50.5%
	Uninsured	23.4%	0.0%
Disability	Disabled	92.8%	43.2%
	Not disabled	92.0%	50.9%

Among women 40 years and older, the percentage who reported having a mammogram within the past two years.

Among women 40 years and older, the percentage who reported have a clinical breast exam and a mammogram within the past two years.

*Statistically significant distribution ($p < 0.05$) in **bold italics**.*

⁹ American Cancer Society. 2013. Cancer Facts and Figures.

<http://www.cancer.org/acs/groups/content/@epidemiologysurveillance/documents/acspc-036845.pdf>

CERVICAL CANCER

It is recommended that cervical cancer screenings begin within three years of the start of sexual intercourse or by 21 year-old for females and continue with screenings every three years if previous tests are clear.¹⁰ Ninety-three percent of Livingston County females reported ever having a Pap test and 73 percent report having had a Pap test in the last three years. Table 13 indicates that:

- Females 18 to 34 were less likely to report ever having a pap test. 71 percent of females in this age group reported ever having had a Pap test.
- Females between 18 and 34 and 65 and older were less likely to have had an appropriately timed pap test. Two-thirds of females 18 to 34 and four-in-ten females 65 and older reported having had a Pap test within the previous three years.

- Respondents with greater household incomes were more likely to report having had an appropriately timed Pap test within the previous three years.
- Disabled respondents were more likely to report having a Pap test within the previous three years than individuals without a disability.

Table 13: Percentage of female adults who reported ever having a Pap test and appropriately timed Pap test, by demographic characteristics

		% Ever had a Pap test	%Had appropriate timed Pap Test
Overall		93.4%	73.4%
Age	18-34	71.6%	66.4%
	35-54	99.6%	84.8%
	55-64	99.5%	86.8%
	65+	97.3%	40.6%
Income	<\$20,000	94.2%	63.5%
	\$20,000-\$34,999	91.4%	61.8%
	\$35,000-49,999	98.1%	70.0%
	\$50,000-74,999	93.5%	78.0%
	\$75,000+	94.4%	82.3%
Have insurance	Insured	93.5%	74.0%
	Uninsured	91.1%	55.3%
Disability	Disabled	89.5%	52.4%
	Not disabled	94.4%	78.9%

Among women aged 18 years and older, the percentage who reported ever having a Pap test.

Among women aged 18 years and older, the percentage who reported having a Pap test within the past three years.

*Statistically significant distribution ($p < 0.05$) in **bold italics**.*

¹⁰ Centers for Disease Control and Prevention. 2014. Cervical Cancer Screening. http://www.cdc.gov/cancer/cervical/basic_info/screening.htm

PROSTATE CANCER SCREENING

Prostate cancer is second leading cause of cancer death for males in Michigan and the United States.¹¹ In Livingston County, 79 percent of males aged 40 and older ever had a doctor, nurse, or other health professional recommend a PSA test to them. Thirty-two percent of males 40 and older have had a PSA test within the past year, less than the 47 percent statewide in the 2012 MiBRFS. Table 14 shows that:

- The prevalence of having had a PSA test increased with age. About 13 percent of males between the ages of 40 and 54 have had a PSA test in the last year, while 57 percent of males 70 and older have had a PSA test in the last year.
- Adult males with higher household incomes were more likely to have a PSA test recommended to them than adult males with lower household incomes.
- Insured male respondents were more likely to both have a PSA test recommended to them and have had a PSA test in the last year than uninsured adult respondents.

Table 14: Percentage of men 40 and older who reported having a PSA test recommended or having a PSA test in last year, by demographic characteristics

		% Ever had PSA test recommended, men 40 years and older	% Had PSA test in past year, men 40 years and older
Overall		79.2%	32.0%
Age	40-54	37.7%	13.1%
	55-69	68.8%	46.8%
	70+	79.1%	57.0%
Income	<\$20,000	22.4%	13.3%
	\$20,000-\$34,999	38.2%	22.2%
	\$35,000-\$49,999	53.1%	32.6%
	\$50,000-\$74,999	84.5%	42.2%
	\$75,000+	52.8%	30.7%
Have insurance	Insured	58.6%	34.7%
	Uninsured	4.1%	0.0%
Disability	Disabled	62.9%	36.6%
	Not disabled	52.6%	30.8%

Among men 40 years and older, the percentage who reported they ever had a doctor, nurse, or other health professional ever recommend a PSA test.

Among men 40 years and older, the percentage reporting who reported they had a PSA test within the past year.

*Statistically significant distribution ($p < 0.05$) in **bold italics**.*

¹¹ American Cancer Society. 2015. Prostate Cancer Guide. <http://www.cancer.org/cancer/prostatecancer/detailedguide/index>

COLONRECTAL CANCER

Excluding skin cancers, colorectal cancer is the third most common type of cancer in the United States.¹² And in Michigan in 2010, it was the third leading cause of cancer related deaths in Michigan. Among adults 50 years and older, about 54 percent reported having had a sigmoidoscopy or colonoscopy in the past five years, comparable to the 56 percent in the 2013 MiBRFS. Table 15 indicates that:

- Male and female adults were about equally likely to have had a sigmoidoscopy or colonoscopy in the past five years.
- Those 60 to 69 and those 70 and older were more likely to have had a sigmoidoscopy or colonoscopy in the past five years than those 40 to 49.
- The distribution of responses across income levels was not statistically significant.
- Insured adults (56 percent) were more than five times more likely than uninsured adults (10 percent) to have had a sigmoidoscopy or colonoscopy in the past five years.

Table 15: Percentage of adults 50 and older who reported having colorectal cancer screening, by demographic characteristics

		% Had sigmoidoscopy or colonoscopy in past 5 years	% Had sigmoidoscopy or colonoscopy in past 5 years and fecal occult blood test in past year
Overall		54.0%	57.6%
Sex	Male	53.9%	58.3%
	Female	54.1%	57.0%
Age	50-59	46.4%	50.9%
	60-69	61.0%	64.5%
	70+	58.3%	59.7%
Income	<\$20,000	44.3%	45.5%
	\$20,000-\$34,999	48.6%	52.4%
	\$35,000-49,999	54.5%	58.2%
	\$50,000-74,999	54.5%	58.1%
	\$75,000+	56.0%	60.2%
Have insurance	Insured	56.0%	59.8%
	Uninsured	10.1%	10.1%
Disability	Disabled	62.8%	67.0%
	Not disabled	50.8%	54.2%

Among adults 50 years and older, the percentage who reported having a sigmoidoscopy or colonoscopy within the past five years.

Among adults 50 years and older, the percentage reporting having a sigmoidoscopy or colonoscopy within the past five years or fecal occult blood test within the past year.

*Statistically significant distribution ($p < 0.05$) in **bold italics**.*

¹² American Cancer Society. 2015. What are the key statistics of colorectal cancer? <http://www.cancer.org/cancer/colonandrectumcancer/detailedguide/colorectal-cancer-key-statistics>

IMMUNIZATIONS/VACCINATIONS

Immunizations against the flu and pneumonia are important, especially for older adults. Older adults are a greater risk of more severe problems and possible death from the flu and pneumonia.¹³ Adults 65 and older are encouraged to be vaccinated against the flu annually and pneumonia once sometime as an adult.

Overall, of Livingston County adults, about 39 percent reported receiving the flu vaccine in the past year and 29 percent reported ever receiving the pneumonia vaccine. Specifically, among adults 65 years of age and older, 66 percent reported having been vaccinated against the flu in the past year and 75 percent reported having ever having been vaccinated against pneumonia. These vaccination rates among those 65 and older were higher than the statewide rates from the 2013 MiBRFS. Fifty-seven percent and 65 percent of Michigan adults reported receiving flu vaccine the pneumonia vaccine respectively in the 2013 MiBRFS. Table 16 shows that:

- Females (46 percent) were more likely to report getting the flu vaccine than males (33 percent).
- Insured adults were far more likely to report both receiving the flu vaccine in the past year and ever receiving the pneumonia vaccine than uninsured adults.
- Disabled adults were more likely to report having received the flu vaccine in the past year and more likely to report ever receiving the pneumonia vaccine than adults without a disability.

Table 16: Percentage who reported immunization against the flu and pneumonia, by demographic characteristics

		% Had Flu Vaccine in Past Year	% Ever had Pneumonia Vaccine
Overall		39.1%	28.7%
Sex	Male	32.6%	26.5%
	Female	45.5%	30.8%
Age	18-34	31.5%	28.5%
	35-54	32.3%	14.3%
	55-64	39.1%	16.9%
	65+	65.7%	75.0%
Income	<\$20,000	29.0%	23.4%
	\$20,000- \$34,999	44.9%	37.2%
	\$35,000- 49,999	36.3%	33.4%
	\$50,000- 74,999	43.8%	36.0%
	\$75,000+	38.7%	22.6%
Have insurance	Insured	41.5%	30.2%
	Uninsured	3.4%	1.3%
Disability	Disabled	49.1%	43.6%
	Not disabled	36.9%	25.3%

The percentage who reported that they had the flu vaccine, either by injection in the arm or sprayed in the nose in the last 12 months. The percentage reporting they have ever had a pneumococcal vaccine. Statistically significant distribution ($p < 0.05$) in bold italics.

¹³ Centers for Disease Control and Prevention. 2014. Recommended Adult Immunization Schedule, by Vaccine and Age Group. <http://www.cdc.gov/vaccines/schedules/hcp/imz/adult.html>

ORAL HEALTH

Oral health is important for one's general health, and regular dental visits help maintain good oral health. Twenty-one percent of Livingston County adults reported that they did not have a dental health visit last year, less than the 32 percent of all Michigan adults in the 2012 MiBRFS. Table 17 shows that:

- The prevalence of not visiting the dentist decreased as household income increased. Sixty-four percent of adults with a household income less than \$20,000 reported no dental visits, while 11 percent of adults with a household income \$75,000 or greater reported no dental visits.
- Those without dental insurance (50 percent) were more than three times more likely to report no dental visits in the past year than those without dental insurance (14 percent).

Table 17: Percentage who reported no dental visit in past year, by demographic characteristics

		% No dental visit in past year
Overall		21.3%
Sex	Male	23.3%
	Female	19.4%
Age	18-34	23.2%
	35-54	21.1%
	55-64	18.8%
	65+	19.5%
Income	<\$20,000	64.2%
	\$20,000-\$34,999	28.1%
	\$35,000-49,999	26.3%
	\$50,000-74,999	20.6%
	\$75,000+	11.2%
Have Dental insurance ¹⁴	Insured	14.3%
	Uninsured	50.2%
Disability	Disabled	26.3%
	Not disabled	20.3%

*The percentage who reported they had not visited a dentist or dental clinic for any reason in the previous year. Statistically significant distribution ($p < 0.05$) in **bold italics**.*

¹⁴ Respondents were asked if they had been covered by various types of dental coverage. Respondents were considered insured if they reported any dental coverage, including coverage for only part of the part of the year. Respondents were considered uninsured if they reported having no dental insurance coverage.

CHRONIC CONDITIONS

ASTHMA

Asthma is characterized by difficulty of breathing.¹⁵ Among Livingston County adults, 12 percent were ever told that they had asthma by a doctor, nurse, or other health care professional and nine percent reported that they currently have asthma. This is lower than the 17 percent statewide in the 2013 MiBRFS. Table 18 indicates:

- Females were 10 percent more likely to report they had ever been diagnosed with asthma and nine percent more likely to report currently having asthma than males.
- Respondents with lower household incomes were more likely to report being diagnosed with asthma. 24 percent of individuals with a household income less than \$20,000 reported ever being diagnosed.
- Disabled respondents were about two times more likely to report having been diagnosed with asthma and more than two times more likely to report currently having asthma than respondents without a disability.

Table 18: Percentage who reported ever being told asthma, have asthma currently, by demographic characteristics

		% Lifetime Asthma	% Current asthma
Overall		12.1%	9.1%
Sex	Male	7.0%	4.7%
	Female	17.1%	13.3%
Age	18-34	10.6%	8.2%
	35-54	14.2%	11.2%
	55-64	10.6%	5.7%
	65+	11.3%	9.2%
Income	<\$20,000	24.0%	19.4%
	\$20,000-\$34,999	11.9%	8.4%
	\$35,000-49,999	8.4%	4.4%
	\$50,000-74,999	6.9%	6.1%
	\$75,000+	9.1%	6.7%
Have insurance	Insured	12.3%	9.0%
	Uninsured	10.1%	10.1%
Disability	Disabled	21.7%	17.1%
	Not disabled	10.1%	7.3%

The percentage who reported that they were ever told by a doctor, nurse, or other health care professional that they had asthma.

The percentage who reported that they still have asthma.

*Statistically significant distribution ($p < 0.05$) in **bold italic.s**.*

¹⁵ Centers for Disease Control and Prevention. 2014. Asthma's Impact on the Nation. http://www.cdc.gov/asthma/impacts_nation/asthmafactsheets.pdf

CHRONIC OBSTRUCTIVE PULMONARY DISEASE (COPD)

Chronic Obstructive Pulmonary Disease (COPD) results in coughing, wheezing, and shortness of breath. Cigarette smoking is associated with COPD. It is estimated that six percent of Livingston County Adults reported ever being told they have COPD, emphysema, or chronic bronchitis. About 9 percent of adult reported having ever being told they have COPD, emphysema, or chronic bronchitis in the 2013 MiBRFS. Table 19 shows:

- The prevalence of COPD increased with age. About one percent of 18 to 34 year-olds reported being told they have COPD, compared to 11 percent of individuals 65 years-old or older.
- Livingston County adults with lower household incomes were more likely to report being diagnosed with COPD. 10 percent and 17 percent individuals with household incomes less than \$20,000 and between \$20,000 and \$34,999 reported being told they have COPD.
- Disabled adults were about seven times more likely to report being told they have COPD than adults without a disability.

Table 19: Percentage who reported ever being told have Chronic Obstructive Pulmonary Disease (COPD), by demographic characteristics

		% Ever Told COPD
Overall		5.7%
Sex	Male	4.5%
	Female	6.8%
Age	18-34	1.1%
	35-54	5.1%
	55-64	7.9%
	65+	10.7%
Income	<\$20,000	9.6%
	\$20,000-\$34,999	17.3%
	\$35,000-49,999	8.0%
	\$50,000-74,999	3.5%
	\$75,000+	0.9%
Have insurance	Insured	5.5%
	Uninsured	9.4%
Disability	Disabled	21.1%
	Not disabled	2.3%

*The percentage who reported ever being told by a doctor that they had chronic obstructive pulmonary disease (COPD), emphysema, or chronic bronchitis. Statistically significant distribution ($p < 0.05$) in **bold italics**.*

ARTHRITIS

Arthritis is a leading cause of disability in the United States.¹⁶ Twenty-six percent of Livingston County adults reported every being told by a doctor, nurse, or health care professional that they have arthritis. This is lower than the 31 percent of Michigan adults who reported ever being told that they had arthritis in the 2013 MiBRFS. Table 20 indicates:

- Females (31 percent) were more likely to report ever being told they had arthritis (22 percent) than males.
- The prevalence of arthritis increased with age. Seven percent of those 18 to 34 reported ever being told they had arthritis, while 55 percent of individuals 65 and older reported being told they had arthritis.
- The prevalence of arthritis decreased with income. Forty-nine percent of adults with a household income of less than \$20,000 reported ever being told they had arthritis, compared to 17 percent of adults with a household income of \$75,000 or greater.
- Disabled adults (57 percent) were about three times more likely to report ever being told they have arthritis than adults without a disability (19 percent).

Table 20: Percentage who reported ever told have arthritis, by demographic characteristics

		% Ever Told Arthritis
Overall		26.1%
Sex	Male	21.6%
	Female	30.6%
Age	18-34	6.7%
	35-54	18.9%
	55-64	41.3%
	65+	54.5%
Income	<\$20,000	48.5%
	\$20,000-\$34,999	40.4%
	\$35,000-49,999	30.5%
	\$50,000-74,999	24.7%
	\$75,000+	16.6%
Have insurance	Insured	26.4%
	Uninsured	23.4%
Disability	Disabled	56.5%
	Not disabled	19.4%

The percentage who reported ever being told by a doctor that they had some form of arthritis, rheumatoid arthritis, gout, lupus, or fibromyalgia.

*Statistically significant distribution ($p < 0.05$) in **bold italics**.*

¹⁶ Centers for Disease and Prevention. 2014. Arthritis: The Nation's Most Common Cause of Disability. <http://www.cdc.gov/chronicdisease/resources/publications/AAG/arthritis.htm>.

CARDIOVASCULAR DISEASE

Heart disease is one of the leading causes of death in both Michigan and the United States. The probability of getting heart disease can be decreased through healthy behavior, such as eating a healthy diet and exercise.¹⁷ About three percent of Livingston County adults have been told by a doctor that they had a heart attack or myocardial infarction, or angina or coronary heart disease, or a stroke. It is estimated that seven percent of Livingston County adults have been told they have one of the three forms of heart disease, slightly less than the 10 percent of Michigan adults in the 2012 MiBRFS. Table 21 shows:

Table 21: Percentage who reported ever told had heart attack, angina, or coronary heart disease, by demographic characteristics

		Ever told...		
		% Heart Attack	% Angina	% Stroke
Overall		3.2%	3.1%	2.6%
Sex	Male	5.0%	3.8%	2.9%
	Female	1.3%	2.4%	2.3%
Age	18-34	0.0%	0.0%	1.0%
	35-54	0.2%	1.2%	1.5%
	55-64	3.3%	3.9%	1.0%
	65+	14.0%	11.0%	8.4%
Income	<\$20,000	6.1%	1.9%	9.3%
	\$20,000-\$34,999	8.2%	8.2%	5.1%
	\$35,000-49,999	4.1%	6.1%	2.1%
	\$50,000-74,999	2.9%	4.5%	2.3%
	\$75,000+	0.5%	0.8%	0.5%
Have insurance	Insured	3.4%	3.3%	2.8%
	Uninsured	0.0%	0.0%	0.0%
Disability	Disabled	8.7%	7.5%	9.5%
	Not disabled	1.9%	2.1%	1.0%

The percentage who reported ever told by a doctor that they had a heart attack or myocardial infarction, had angina or coronary heart disease, or had a stroke.

*Statistically significant distribution ($p < 0.05$) in **bold italics**.*

- Males (five percent) were more likely to report that they had been told they had a heart attack than females (one percent).
- The prevalence of reported heart attacks, angina, and strokes increased with age. Of individuals 65 and older, 14 percent had ever been told they had a heart attack, 11 percent had ever been told they had angina, and eight percent had been told they had a stroke.
- Generally, the likelihood of reported cardiovascular disease decreased as household income increased.
- Disabled adults were more likely to report having been told they had a heart attack, angina, and stroke than adults without a disability. Ten percent of disabled adults reported being told they had a heart attack, angina, or a stroke, compared to one percent of those without a disability.

¹⁷ American Heart Association. 2015. Prevention of Heart Attack. http://www.heart.org/HEARTORG/Conditions/HeartAttack/PreventionTreatmentofHeartAttack/Prevention-and-Treatment-of-Heart-Attack_UCM_002042_Article.jsp

CANCER

According to the American Cancer Society, there will be about 1.7 million new cases of cancer this year.¹⁸ In Livingston County, seven percent of adults had ever been told they had skin cancer, six percent have ever been told they have any other type of cancer other than skin cancer, and eleven percent have been told they have any type of cancer. This is very similar to statewide rates for Michigan. In the 2013 MiBRFS, five percent of adults had ever been told they have skin cancer, 8 percent had ever been told they have any other type of cancer, and 12 percent had ever been told they have any type of cancer.

- The prevalence of cancer increased with age. Among individuals 65 years or older, 21 percent reported that they have been told they had skin cancer and 16 percent reported that they have been told they had any other type of cancer.
- Disabled individuals were about two times more likely to report that they had been told they had skin cancer specifically and 13 percent more likely to report any type of cancer generally than individuals without a disability.

Table 22: Percentage who reported ever told have skin cancer, other cancer, by demographic characteristics

Ever told...		% Skin Cancer	% Any Other Types of Cancer	% Cancer
Overall		6.8%	5.6%	11.2%
Sex	Male	7.8%	4.7%	10.6%
	Female	5.9%	6.4%	11.9%
Age	18-34	1.2%	0.5%	1.7%
	35-54	2.3%	3.7%	5.8%
	55-64	12.2%	6.6%	17.7%
	65+	20.7%	15.8%	31.0%
Income	<\$20,000	1.5%	5.5%	5.5%
	\$20,000-\$34,999	8.4%	6.2%	6.2%
	\$35,000-49,999	7.4%	4.4%	4.4%
	\$50,000-74,999	5.3%	2.8%	2.8%
	\$75,000+	6.9%	5.5%	5.5%
Have insurance	Insured	7.3%	6.0%	12.0%
	Uninsured	0.0%	0.0%	0.0%
Disability	Disabled	11.7%	12.5%	21.6%
	Not disabled	5.8%	4.1%	9.0%

*The percentage who reported ever told by a doctor that they had skin cancer, they had a form of cancer other than skin cancer, or they had skin cancer or another type of cancer. Statistically significant distribution ($p < 0.05$) in **bold italics**.*

¹⁸ American Cancer Society. 2015. Cancer Facts and Figures. <http://www.cancer.org/research/cancerfactsstatistics/cancerfactsfigures2015/index>

DIABETES

Seven percent reported they have pre-diabetes. Seven percent reported they have diabetes, less than the 10 percent of Michigan adults in the 2013 MiBRFS. Table 23 indicates that:

- Both the prevalence of diabetes and pre-diabetes increased with age. Of Livingston adults 65 and older, 15 percent reported being told they have pre-diabetes and 22 percent reported being told they have diabetes.
- Disabled adults were about two times more likely to report being told they have pre-diabetes and three times more likely to report they have diabetes than adults without a disability.

Table 23: Percentage who reported told have prediabetes or diabetes, by demographic characteristics

		% Ever told prediabetes	% Ever told diabetes
Overall		7.2%	7.3%
Sex	Male	6.9%	7.5%
	Female	7.6%	7.1%
Age	18-34	2.3%	0.0%
	35-54	6.5%	4.3%
	55-64	9.6%	10.4%
	65+	15.0%	22.1%
Income	<\$20,000	7.8%	13.9%
	\$20,000-\$34,999	7.7%	12.2%
	\$35,000-49,999	1.5%	7.6%
	\$50,000-74,999	7.5%	9.1%
	\$75,000+	7.1%	4.0%
Have insurance	Insured	7.8%	7.7%
	Uninsured	0.0%	1.7%
Disability	Disabled	13.3%	16.0%
	Not disabled	6.2%	5.3%

*The percentage who reported ever told by a doctor that they had prediabetes, and diabetes. Women who were told that they prediabetes or diabetes only during pregnancy were classified as not being diagnosed. Statistically significant distribution ($p < 0.05$) in **bold italics**.*

KIDNEY DISEASE

Kidney disease is a disease in which the kidneys cannot filter fluids properly and is associated with diabetes and high blood pressure. About 3 percent of Livingston County adults reported that they had ever been told they had kidney disease. Kidney disease has the same prevalence in Livingston County as in the 2013 MiBRFS. Table 24 shows that:

- The prevalence of kidney disease increased as age increased. Among those 65 and older, six percent reported having kidney disease.
- Adults with higher household income were slightly less likely to report being told they have kidney disease. Five percent and eight percent of adults with household income less than \$20,000 and between \$20,000 and \$34,999 were diagnosed respectively, compared to

two percent of those with household income of \$50,000 or greater.

- Disabled individuals (seven percent) were slightly more likely to be diagnosed with kidney disease than individuals without a disability (two percent).

Table 24: Percentage who reported ever told have kidney disease, by demographic characteristics

		% Ever told kidney disease
Overall		2.8%
Sex	Male	1.8%
	Female	3.8%
Age	18-34	0.0%
	35-54	2.6%
	55-64	4.1%
	65+	6.0%
Income	<\$20,000	5.3%
	\$20,000-\$34,999	7.6%
	\$35,000-49,999	3.6%
	\$50,000-74,999	2.0%
	\$75,000+	1.5%
Have insurance	Insured	2.8%
	Uninsured	3.7%
Disability	Disabled	6.6%
	Not disabled	2.0%

The percentage who reported ever told by a doctor they had kidney disease.

*Statistically significant distribution ($p < 0.05$) in **bold**.*

DEPRESSION

Depression was more common in Livingston County than many other medical conditions, including obesity, diabetes, and arthritis. About one-in-five Livingston County adults have been diagnosed with depression. Twenty-one percent of adults statewide reported they have depression in the 2013 MiBRFS, so the depression rate in Livingston County was similar to the state of Michigan as a whole. Table 25 shows that:

- Females (27 percent) were more likely to be diagnosed with depression than males (14 percent).
- The prevalence of depression decreased with age. Twenty-five percent of those 18 to 34 reported ever being told they had depression, compared to 12 percent of those 65 and older.
- The prevalence of depression decreased as household income increased. Thirty-nine percent of adults with a household income less than \$20,000 reported being diagnosed, while 13 percent of adults with a household income of \$75,000 or greater reported being diagnosed.
- Disabled adults were more than two times more likely to report being diagnosed with depression than adults without a disability.

Table 25: Percentage who reported ever told have depression, by demographic characteristics

		% Ever Told Depression
Overall		20.2%
Sex	Male	13.5%
	Female	26.7%
Age	18-34	25.1%
	35-54	21.5%
	55-64	20.1%
	65+	11.9%
Income	<\$20,000	39.3%
	\$20,000-\$34,999	33.1%
	\$35,000-49,999	13.5%
	\$50,000-74,999	16.3%
	\$75,000+	12.8%
Have insurance	Insured	20.0%
	Uninsured	24.3%
Disability	Disabled	35.2%
	Not disabled	16.9%

The percentage who reported ever told by a doctor they had a depressive disorder including depression, dysthymia, or minor depression.

*Statistically significant distribution ($p < 0.05$) in **bold italics**.*

OTHER HEALTH CONCERNS

The 2014 Livingston County BRFSS included questions on additional health related topics. These disparate topics include childcare, home radon, use of marijuana, use of heroin, use of prescription drugs to get high, disaster preparedness, and violence. These results to questions on these topics are summarized in this section of the report. These questions were not asked of respondents who participated in the MiBRFS.

Childcare

Respondents with children between the three months old and 12 years old were asked if they use child care, what type of child care they use, and what concerns they have about child care. 40 percent of adults with children between 3 months and 12 years-old reported that they use child care, while 60 percent reported they do not. Of those respondents that use child care, 50 percent reported they use a family member other than a parent or sibling and 38 percent reported using a licensed center. Finally, respondents were asked to choose up to four concerns they have about child care. A majority (56 percent) reported they have no concerns about child care. The next most common responses were concerns about cost and quality of care.

Home Radon

Homeowners in Livingston County were asked about testing and mitigation for radon. About 50 percent of homeowners reported testing for radon. Table 27 shows that there were no significance differences across demographic groups. Of those homeowners who tested for radon, 12 percent reported that the test concluded that radon levels were high enough for mitigation. And of those with tests high enough for mitigation, a large majority (91 percent) reported doing something to reduce the radon levels. The most common reason given for not doing radon mitigation was “haven’t gotten around to it.”

Table 27: Percentage who reported ever testing home for radon, by demographic characteristics

		% Tested for Radon
Overall		50.2%
Sex	Male	49.1%
	Female	51.4%
Age	18-34	51.9%
	35-54	51.0%
	55-64	48.6%
	65+	52.4%
Income	<\$20,000	34.2%
	\$20,000-\$34,999	36.6%
	\$35,000-49,999	49.6%
	\$50,000-74,999	43.7%
	\$75,000+	53.6%
Have insurance	Insured	51.6%
	Uninsured	23.3%
Disability	Disabled	48.0%
	Not disabled	50.8%

The percentage who reported ever testing their home for radon.

*Statistically significant distribution ($p < 0.05$) in **bold italics**.*

Mental Health Services

Respondents were asked if they or their family needed mental health services for an intellectual, developmental, or learning disability, or substance use in the past 12 months. If respondents needed mental health services, they were also asked about their experience obtaining services. About 17 percent of Livingston County adults reported that someone in their family needed mental health services sometime in the past year.

- Females (22 percent) were almost twice as likely as males (12 percent) to report that someone in their family needed services.
- Younger residents of Livingston County were more likely to report that someone in their family needed mental health services than their older counterparts. Twenty one percent of those 18 to 34 needed mental health services for their family, compared to seven percent of those 65 and older.
- Insured adults were more likely to report that their family needed mental health services than uninsured adults.

Table 26: Percentage who reported family needed services for mental health in past year, by demographic characteristics

		% Someone in family needed services for mental health
Overall		17.1%
Sex	Male	12.4%
	Female	22.2%
Age	18-34	20.7%
	35-54	20.5%
	55-64	17.6%
	65+	6.5%
Income	<\$20,000	24.3%
	\$20,000-\$34,999	30.2%
	\$35,000-\$49,999	7.0%
	\$50,000-\$74,999	15.3%
	\$75,000+	18.1%
Have insurance	Insured	17.9%
	Uninsured	2.9%
Disability	Disabled	22.7%
	Not disabled	15.7%

The percentage who reported needing services for mental health, an intellectual, developmental, or learning disability, or substance use, for themselves or a family member
Statistically significant distribution (p<0.05) in bold italics.

Those respondents who reported that their family needed mental health services in the past year were also asked if they were satisfied with the steps involved in getting mental health services. Thirty-three percent were very satisfied and 48 percent were satisfied. Eighty-eight percent of those who needed mental health services reported being able to get the needed mental health services. Of those

respondents who got mental health services, 88 percent were satisfied or very satisfied with the services they received.

Marijuana

Respondents were asked a variety of questions about marijuana use. About two percent reported having a prescription for marijuana. Many more adults, however, reported using marijuana. Fifty-five percent reported using marijuana, ever, even once. There are important differences across demographic groups. Table 28 indicates that:

- Males (62 percent) were more likely to have ever used marijuana than females (48 percent).
- Younger individuals were more likely to have ever used marijuana than their older counterpart. About half of those 18 to 34 reported ever using marijuana, while about one-in-five of those 65 years and older reported ever using marijuana.

Of those who reported ever using marijuana, about 21 percent reported using marijuana at least once in the past year.

Heroin

About one percent of respondents reported ever, even once, using heroin. And no respondents reported using heroin in the past year.

Prescription Pain Relievers

Respondents were asked if they ever used prescription pain killers, such as Vicodin, Percocet, OxyCotin, Darvocet, Darvon, and Tyenol with codeine, that were not prescribed for them or took only for the experience or feeling it caused. About six percent of respondents reported using prescription pain relievers to get high.

- The prevalence of ever using prescription pain killers to get high decreased as age increased. Of those 18 to 34, about 12 percent reported ever using prescription pain killers to get high, compared to less than two percent of those 65 and older.

Of the respondents who reported ever using prescription pain relievers to get high, 47 percent reported doing it at least once in the last year.

Table 28: Percentage who reported ever using marijuana, by demographic characteristics

		% Ever used marijuana
Overall		54.7%
Sex	Male	61.9%
	Female	46.8%
Age	18-34	52.9%
	35-54	64.6%
	55-64	69.4%
	65+	20.7%
Income	<\$20,000	65.1%
	\$20,000-\$34,999	52.9%
	\$35,000-49,999	51.9%
	\$50,000-74,999	57.8%
	\$75,000+	58.1%
Have insurance	Insured	54.1%
	Uninsured	64.7%
Disability	Disabled	52.4%
	Not disabled	55.4%

The percentage who reported ever, even once, using marijuana.

*Statistically significant distribution ($p < 0.05$) in **bold italics**.*

Table 29: Percentage who reported ever using prescription pain killers, amphetamines, and tranquilizers to get high, by demographic characteristics

Ever used to get high...		% prescription pain relievers	% amphetamines	% tranquilizers
Overall		5.8%	7.1%	3.0%
Sex	Male	6.8%	9.9%	2.9%
	Female	4.8%	3.9%	3.0%
Age	18-34	11.9%	10.4%	9.4%
	35-54	6.4%	6.3%	1.8%
	55-64	1.6%	5.2%	0.7%
	65+	1.6%	2.1%	0.0%
Income	<\$20,000	14.9%	10.0%	3.2%
	\$20,000-\$34,999	9.5%	5.4%	7.3%
	\$35,000-49,999	6.9%	4.1%	5.9%
	\$50,000-74,999	10.0%	10.0%	4.2%
	\$75,000+	2.8%	6.7%	1.2%
Have insurance	Insured	4.8%	6.0%	3.0%
	Uninsured	17.8%	20.8%	3.0%
Disability	Disabled	6.5%	3.4%	4.7%
	Not disabled	5.7%	8.0%	2.6%

*The percentage who reported ever, even once, using prescription pain relievers, amphetamines, and tranquilizers to get high.
Statistically significant distribution ($p < 0.05$) in **bold italics**.*

Amphetamines

Respondents were asked about their use of amphetamines and stimulants. People sometimes take these drugs to lose weight, to stay awake, or for attention deficit disorders. Seven percent reported using an amphetamines that was not prescribed for them or took only for the experience or feeling it caused.

- Males (10 percent) were more likely than females (four percent) to report ever having used amphetamines to get high.

Of those who reported ever using amphetamines to get high, 76 percent reported that the first time they used amphetamines to get high the amphetamines were prescribed to them personally, and 41 percent reported using amphetamines to get high at least once in the past year.

Tranquilizers

Respondents were asked about their use of tranquilizers not prescribed to them or taken only for the experience or feeling they caused. Three percent reported having ever used tranquilizers to get high. Of those who reported ever using tranquilizers to get high, less than half (43 percent) reported doing this at least once in the past year.

- The use of tranquilizers to get high was more prevalent among younger adults than older adults. Nine percent of those 18 to 34 reported ever having used tranquilizers to get high.

Emergency Preparedness

Respondents were asked if they had supplies for a large-scale disaster or emergency and if they had an emergency plan that includes instruction in the event of a disaster. About 52 percent of respondents reported having emergency supplies, and 49 percent reported having an emergency plan. Table 30 shows there were no significant differences across categories of demographic groups.

Violence

Respondents were asked if they were a victim of violence by someone they knew and if they were a victim of violence

by a stranger in the past year. About three percent reported being a victim of violence by someone they knew and about two percent reported being a victim of violence by a stranger. Victims of violence by a stranger were more likely to seek help than victims of violence by someone they knew. Fifty-one percent of those victimized by violence by a stranger reported seeking help, while 21 percent of those victimized by violence by someone they knew reported seeking help.

Table 30: Percentage who reported having supplies for large-scale disaster and having an emergency plan, by demographic characteristics

		% Emergency supplies	% Emergency plan
Overall		52.0%	48.6%
Sex	Male	53.5%	44.8%
	Female	50.3%	52.9%
Age	18-34	53.2%	49.9%
	35-54	48.9%	54.2%
	55-64	53.2%	45.0%
	65+	52.4%	41.9%
Income	<\$20,000	62.9%	69.3%
	\$20,000-\$34,999	52.3%	41.2%
	\$35,000-49,999	43.9%	45.6%
	\$50,000-74,999	53.2%	51.1%
	\$75,000+	50.0%	48.3%
Have insurance	Insured	51.9%	48.7%
	Uninsured	58.0%	49.6%
Disability	Disabled	53.2%	43.1%
	Not disabled	51.8%	50.1%

The percentage who reported having supplies, such as bottled water, non-perishable foods, and batteries in their home to be used on in case of a disaster.

The percentage who reported having an emergency plan that includes instructions for household members about where to go and what to do in the event of a disaster.

*Statistically significant distribution (p<0.05) in **bold italics**.*

Table 31 indicates that:

- The prevalence of being a victim of violence decreased with age. About nine percent of those 18 to 34 reported being a victim of violence by someone they know or a stranger, compared to less than one percent of those 65 and older.

Table 31: Percentage who reported being a victim of violence by someone known or a stranger in past year, by demographic characteristics

		% Victim of violence from someone known or stranger
Overall		4.4%
Sex	Male	3.4%
	Female	5.5%
Age	18-34	9.2%
	35-54	4.4%
	55-64	2.4%
	65+	0.6%
Income	<\$20,000	1.8%
	\$20,000-\$34,999	8.9%
	\$35,000-49,999	3.4%
	\$50,000-74,999	2.4%
	\$75,000+	4.1%
Have insurance	Insured	4.7%
	Uninsured	0.0%
Disability	Disabled	5.5%
	Not disabled	4.1%

The percentage who reported being of victim of violence by someone they know or a stranger in the past 12 months.

*Statistically significant distribution ($p < 0.05$) in **bold italics**.*

APPENDIX A

PRENOTIFICATION LETTER

September 5, 2014

«proper_name»
«proper_street»
«proper_city», MI «zipcode»

Dear «proper_name»:

I am writing to ask for your help. In the next few days, someone from the Office for Survey Research at Michigan State University will be calling about a health study we are conducting for the Livingston County Department of Public Health. This research project is key to assessing the general health, health risks and access to health care of adults in Livingston County. We wish to interview one of the adults in your household for this study.

Your household was selected at random to represent hundreds of other households like yours on these health-related issues. The information *only you* can provide is very important to the success of the study and the ability of your county's Department of Public Health to improve the health of people in your county. The results of this research will help public health professionals assess current needs and plan future efforts to improve public health and health programs.

We will not try to sell you anything or ask for money – we only ask for information to help guide public policy makers. Your privacy will be protected to the maximum extent allowable by law. Answers from all respondents will be summarized so that no particular individual's responses can be identified.

When we call, we will first need to speak to someone 18 years or older. If we have not already chosen someone to interview, the interviewer will ask for the number of adults who live in this household and how many of them are male, so that we can randomly select a respondent. The interview itself will take about 20 minutes. If we call at an inconvenient time please let the interviewer know and we will gladly call you back at your convenience.

If you have questions about this study, please call Ms. Debra Ruz at (517) 353-1766 or contact her at ruszdebr@msu.edu. You can learn more about our office at our website, www.ippsr.msu.edu. If you would like to talk to someone at the Livingston County Department of Public Health, please call Chelsea Moxlow at (517) 546-9850.

Sincerely,

Debra L. Ruz
BRFSS Project Manager/Analyst

PROGRAMMED INTERVIEWING SCRIPT/PROGRAM

```
>conf< [optionbuttons on hide codes hide textbox]

Hello, I am calling on behalf of the Livingston Department of Public health.
My name is _____ and I am calling from Michigan State University.
We are conducting a study on health and health practices of residents for your
health department.

Is this [fill PRFX]-[fill SUFX:0] in Area Code ([fill AREA])?

    <1> YES -- POSSIBLE HOUSEHOLD

    <4> NO--FIRST CONTACT WITH WRONG CONNECTION/PHONE NUMBER
    <5> NO--SECOND CONTACT WITH WRONG CONNECTION/PHONE NUMBER

    <7> BUSINESS, COMMERCIAL PHONE [goto live]
    <8> GROUP QUARTERS, INSTITUTION [goto college]
    <9> OTHER NON-HOUSEHOLD [goto live]

    <3>[goto cell2] CELL PHONE (NUMBER NOT FORWARDED)
    <2>[goto elect1] COMPUTER LINE, FAX, OTHER ELECTRONIC DEVICE

    <n>[goto T171] HH OUTSIDE OF LIVINGSTON COUNTY

    <x>[commandbutton <CALLBACK>] <y>[commandbutton <REFUSED>] <z>[commandbutton
<PROBLEMS>] @
    [a][allow 1]

>home< [optionbuttons on hide codes hide textbox]

    [red]PHONE: ([fill AREA]) [fill PRFX]-[fill SUFX:0][n]

    Is this a private residence?

    [green]IWER: IF NECESSARY,
    "By private residence, we mean someplace like a house or apartment."[n]

    [red]IWER: IF THE INF SAYS NO IT IS A BUSINESS, ASK IF IT IS A BUSINESS[n]
    [red] RUN FROM A HOME, IF IT IS NOT CLEAR. IF IT IS A HOME-BASED[n]
    [red] BUSINESS [u]AND THIS IS NOT A BUSINESS ONLY NUMBER[n][red], SAY "YES".[n]

    <1>[goto county_res] YES
    <5>[goto college] NO

    <7>[goto nres] BUSINESS ONLY PHONE NUMBER

    <n>[goto T171] HH OUTSIDE OF LIVINGSTON COUNTY

    <x>[commandbutton <CALLBACK>][goto T140] <y>[commandbutton <REFUSED>][goto T150]
    <z>[commandbutton <PROBLEMS>][goto T160] @
    [a][allow 1]

>college< [optionbuttons on hide codes hide textbox]

    Do you live in college housing?

    [green]IWER: IF NECESSARY, "By college housing we mean dormitory, graduate
student
or visiting faculty housing, or other housing arrangement provided by a college
or university."[n]

    <1> YES
    <5>[goto nres] NO
```

```

        <n>[goto T171] OUTSIDE OF LIVINGSTON COUNTY

        <x>[commandbutton <CALLBACK>][goto T140] <y>[commandbutton <REFUSED>][goto T150]
<z>[commandbutton <PROBLEMS>][goto T160] @
[@][allow 1]

>county_res< [optionbuttons on hide codes hide textbox]

        Do you reside in Livingston County?

        [red]RESIDENCY RULES[n] <h>[commandbutton <HELP>][etc <h>][help residency_help]

                <1>[goto cell1] YES
                <5>[goto T171] NO, DO NOT LIVE IN LIVINGSTON COUNTY

        <x>[commandbutton <CALLBACK>][goto T140] <y>[commandbutton <REFUSED>][goto T150]
<z>[commandbutton <PROBLEMS>][goto T160] @
[@][allow 1]

FOR LANDLINE SAMPLE, CELL PHONES ARE INELIGIBLE.  FOR CELL, IF THEY ANSWER NO, THEN
THEY ARE INELIGIBLE.

>cell1< [optionbuttons on hide codes hide textbox]

        [red]PHONE: ([fill AREA]) [fill PRFX]-[fill SUFX:0][n]

        Is this a cellular telephone?

        [green]IWER:  IF NECESSARY, "By cellular (or cell) telephone we mean
a telephone that is mobile and useable outside of your neighborhood."[n]

        [red]IWER:  TELEPHONE SERVICE OVER THE INTERNET COUNTS AS LANDLINE SERVICE
(INCLUDES VONAGE, MAGIC JACK AND OTHER HOME BASED PHONE SERVICES).[n]

                <1> YES
                <5>[goto cell] NO

        <x>[commandbutton <CALLBACK>][goto T141] <y>[commandbutton <REFUSED>][goto T151]
<z>[commandbutton <PROBLEMS>][goto T161] @

DO NOT ASK FOR LANDLINE SAMPLE

>landline<

        Do you also have a landline telephone in your home that is used to make and
receive calls?

        [green]IWER:  IF NECESSARY, "By landline telephone, we mean a "regular" telephone
in your
        home that is connected to outside phone lines through a cable or cord and is used
for make
        or receiving calls.  Please include landlines phones used for both business and
person use."[n]

        [red]IWER:  TELEPHONE SERVICE OVER THE INTERNET COUNTS AS LANDLINE SERVICE
(INCLUDES VONAGE,
        MAGIC JACK AND OTHER HOME-BASED PHONE SERVICES)[n]

                <1> YES
                <2> NO

                <7> DON'T KNOW

```

<9> REFUSED

<x>[commandbutton <CALLBACK>][goto T141] <y>[commandbutton <REFUSED>][goto T151]
<z>[commandbutton <PROBLEMS>][goto T161] @
[@][allow 1]
>adlt< [optionbuttons on hide codes hide textbox][equiv nres position 2]

[red]PHONE: ([fill AREA]) [fill PRFX]-[fill SUFX:0][n]

I need to make sure that I am speaking to someone 18 years of age or older.

<1>[goto isex] YES, 18 YEARS OLD OR OLDER
<5>[goto if_adtb] NO, UNDER 18 YEARS OLD

<x>[commandbutton <CALLBACK>][goto T141] <y>[commandbutton <REFUSED>][goto T151]
<z>[commandbutton <PROBLEMS>][goto T161] @
[@][allow 1]

>intr<[equiv adtb position 2][optionbuttons on hide codes hide textbox]

[red]PHONE: ([fill AREA]) [fill PRFX]-[fill SUFX:0][n]

This study focuses on health practices of Livingston County residents related to heart
disease, diabetes, cancer, and other important health issues and health
behaviors.

Your phone number was chosen randomly to represent other households in your
county.

We would like an adult in your household to participate in a voluntary, one-time
telephone
interview. To determine who this should be, I need to know the number of men
and women
who live in your household.

<1>[goto T130] PROCEED WITH RESPONDENT SELECTION

<x>[commandbutton <CALLBACK>][goto T141] <y>[commandbutton <REFUSED>][goto T151]
<z>[commandbutton <PROBLEMS>][goto T161] @
[@][allow 1]

DO NOT ENUMERATE THE CELL PHONE SAMPLE

>adult< [loc 21/1][optionbuttons on hide codes]

[red]PHONE: ([fill AREA]) [fill PRFX]-[fill SUFX:0][n]

First I need to know how many members of your household, including yourself,
are 18 years
of age or older?

<0>[goto ad7b] MORE THAN 15 ADULTS

NUMBER OF ADULTS @

<88>[commandbutton <CALLBACK>][goto T240] <95>[commandbutton <REFUSED>][goto T250]
<99>[commandbutton <PROBLEMS>][goto T281] @

[@][allow int 2][input format zero fill] <2-6>[goto male] <1>[goto sexfill] <7-15>

>male< [optionbuttons on hide codes]

[red]PHONE: ([fill AREA]) [fill PRFX]-[fill SUFX:0][n]

How many of the [fill adult] adults that live in your household are male?

NUMBER OF MALES @

<88>[commandbutton <CALLBACK>][goto T240] <99>[commandbutton <REFUSED>][goto T250]
<95>[commandbutton <PROBLEMS>][goto T281] @
[@][allow int 2] <0-5>[goto submale] <6-10>

>femcalc< [allow 1] [optionbuttons on hide codes hide textbox]

[red]PHONE: ([fill AREA]) [fill PRFX]-[fill SUFX:0][n]

Just to double check, [fill femfill] there [fill submale] female(s) that live in your household?

<1> YES
<5>[goto femoop1] NO

<x>[commandbutton <CALLBACK>][goto T240] <y>[commandbutton <REFUSED>][goto T250]
<z>[commandbutton <PROBLEMS>][goto T281] @
[@] [if @ eq <1>][store submale in female][goto rank1][endif]

>x< [equiv u][optionbuttons on hide textbox hide codes]

[red]PHONE: ([fill AREA]) [fill PRFX]-[fill SUFX:0][n]

All right, according to the research method being used for this study, I am supposed to

ask some questions of the [fill RANK] adult in your household.

May I please speak to the [fill RANK] adult in your household?

<1>[goto T300] INFORMANT IS R
<5>[goto expl] INFORMANT GETS R

<x>[commandbutton <CALLBACK>][goto T311] <y>[commandbutton <REFUSED>][goto T331]
<z>[commandbutton <PROBLEMS>][goto T320] @
[@]

THIS IS ONLY READ IF THE INFORMANT IS NOT THE SELECTED RESPONDENT

>expl< [optionbuttons on hide textbox hide codes]

[red]PHONE NUMB. [fill AREA]) [fill PRFX]-[fill SUFX:0][n]

Hello, I am calling on behalf of the Livingston County Department of Public Health.

My name is _____ and I am calling from Michigan State University. We are conducting a study on health and health practices of residents of your county for your health department.

This study focuses on health practices of Livingston County residents related to heart

disease, diabetes, cancer, and other important health issues and health behaviors.

Your phone number was chosen randomly to represent other households in your county.

You are the adult in your household chosen randomly to be interviewed.

<1>[goto T300] PROCEED

```
<x>[commandbutton <CALLBACK>][goto T310] <y>[commandbutton <REFUSED>][goto T330]
<z>[commandbutton <PROBLEMS>][goto T320] @
[@]
```

```
>verif_R< [optionbuttons on hide textbox hide codes]
```

```
[red]IWER: YOU MUST VERIFY THIS WITH THE R[n]
```

```
[if adult gt <1>]
```

```
Because this is a scientific research project, I need to double check that
you are the [fill RANK] adult in this Livingston County household before
we start.
```

```
[endif]
```

```
[if adult eq <1>][if college ne <1>]
```

```
Because this is a scientific research project, I need to double check that you
are the only adult in this Livingston County household and that you are [fill
fill_sex1]
```

```
before we start.
```

```
[endif 2]
```

```
[if adult eq <1>][if college eq <1>]
```

```
Because this is a scientific research project, I need to double check that you
are [fill fill_sex1] and that you live in Livingston County before we start.
```

```
[endif 2]
```

```
(Is this correct?)
```

```
<1> YES, R VERIFIED RANK AND SEX
```

```
<2>[goto if_enum_check1] NO, PERSON ON PHONE IS NOT THE CORRECT RANK
```

```
<3>[goto if_enum_check1] NO, PERSON ON PHONE IS NOT THE CORRECT SEX
```

```
<4>[goto inel_end] NO ONE IN HH LIVES IN LIVINGSTON COUNTY@
```

```
[@][allow int 1][if @ eq <1>][store <1> in RANKverf][goto CONSENT][endif]
```

```
>CONSENT< [loc 0/500][optionbuttons on hide codes hide textbox][if RANKverf ne <1>
goto fill_sex1]
```

You don't have to answer any question you don't want to. We cannot identify you personally, and we will keep anything you say confidential to the maximum extent allowable by law. If you have any questions about this survey, I will provide a toll free telephone number for you to call to get more information. (The toll free number is 877-403-2076.)

For quality control purposes, this interview may be monitored by one of my supervisors or recorded.

(Should you have any questions about this study or your participation in it, you are welcome to contact Debra Rusz at 517.353.1766.)

```
<1> READ CONSENT ENTIRELY, DID NOT REFUSE/REQUEST CALLBACK
```

```
<c>[etc <sk cb>] REQUESTED CALLBACK, CONSENT NOT READ ENTIRELY
```

```
<r>[etc <sk ref>] REFUSED (MAY HAVE FINISHED CONSENT FIRST)
```

```
<p>[etc <sk prob>] PROBLEM (MAY HAVE FINISHED CONSENT FIRST) @
```

```
[@][allow 1]
```

```
>ID1< [allow 6][loc 28/1][inputloc 1/1][call CMD quiet][store <1> in record_on]
[make CMD from <krc.bat> < > FN]
```

```
>cnty< [allow 5][inputloc 1/30] county code
```

```
>cdcy< [allow 3][inputloc 1/32] 3-digit county code
```

```
>precall< [allow 1][inputloc 1/36] number flag
```

```
>denstr< [allow 1][inputloc 1/38] strata
```

```
>listed< [allow 1][inputloc 1/40] listed=1, not-listed=2
```

```
>matched< [allow 1][inputloc 1/41] address matched=1, no match=2
```

```
>repn6< [allow 6][inputloc 1/20] 6-digit replicate code
```

```

>repdepth< [allow 2][inputloc 1/65] 2 digit replicate depth id
>geostr< [allow int 3][inputloc 1/60] 101-110
>RANDX< [allow int 2][inputloc 1/42] random digit for child
>RAND2< [allow int 2][inputloc 1/45] random digit for asthma selection
>RAND_split< [allow int 2][inputloc 1/48] random digit for state split
>rsex< [allow 1][store RSEX in rsex] copy of RSEX
>college_hh< [allow int 1][if college eq <1>][store <1> in college_hh][endif]
>contactadd< [allow int 2][goto split_code]
>enumid< [allow int 3]
>contact< [allow int 2]
>oldloq< [allow 16][goto window]

>split_code< [allow 1]
  [if RAND_split lt <33>][store <A> in split_code][endif]
  [if RAND_split ge <33>][if RAND_split lt <66>][store <B> in split_code][endif 2]
  [if RAND_split ge <66>][store <C> in split_code][endif]

>Qcount< [allow 3][#loc 43/1]
>coretime< [allow 8]
>split_time< [allow 8]
>splitAtime< [allow 8]
>splitBtime< [allow 8]
>splitCtime< [allow 8]
>core_min< [allow int 2]
>split_all_min< [allow int 2]
>splitA_min< [allow int 2]
>splitB_min< [allow int 2]
>splitC_min< [allow int 2]
>sec_convert< [allow int 4][store <6000> in sec_convert]

```

Section 1: Health Status

```
>sec01start< [if entry mode][start question count][start timer][start timer2][endif]
```

```
>gen_health< [optionbuttons on hide textbox hide codes]
```

Would you say that in general your health is excellent, very good, good, fair, or poor.

```

<1> EXCELLENT
<2> VERY GOOD
<3> GOOD
<4> FAIR
<5> POOR

```

```

<7> DON'T KNOW
<9> REFUSED @

```

```
[@][allow int 1][loc 30/1]
```

```

>sec01time< [allow 8]
  [if entry mode]
    [stop timer]
    [if sec01time eq <>][record timer in sec01time][endif]
  [endif]
  [copy sec01time in sec01time]

```

Section 2: Healthy Days - Health-Related Quality of Life

```
>sec02start< [if entry mode][start timer][endif]
```

```
>health_days_1< [optionbuttons on hide codes]
```

Now thinking about your physical health, which includes physical illness

and injury, for how many days during the past 30 days was your physical health not good?

<88> NONE

<77> DON'T KNOW

<99> REFUSED

@ NUMBER OF DAYS

[@][allow int 2][input format zero fill] <1-30>

>health_days_2< [optionbuttons on hide codes]

Now thinking about your mental health, which includes stress, depression, and problems with emotions, for how many days during the past 30 days was your mental health not good?

<88> NONE

<77> DON'T KNOW

<99> REFUSED

@ NUMBER OF DAYS

[@][allow int 2][input format zero fill] <1-30>

>ifhlthday3<

[if health_days_1 ne <88> goto health_days_3]

[if health_days_2 ne <88> goto health_days_3]

[goto health_days_end]

>health_days_3< [optionbuttons on hide codes]

During the past 30 days, for about how many days did poor physical or mental health keep you from doing your usual activities, such as self-care, work, or recreation?

<88> NONE

<77> DON'T KNOW

<99> REFUSED

@ NUMBER OF DAYS

[@][allow int 2][input format zero fill] <1-30>

>health_days_end<

>sec02time< [allow 8]

[if entry mode]

[stop timer]

[if sec02time eq <>][record timer in sec02time][endif]

[endif]

[copy sec02time in sec02time]

Section 3: Health Care Access

>sec03start< [if entry mode][start timer][endif]

>hlthcare_1< [optionbuttons on hide textbox hide codes]

Do you have any kind of health care coverage, including health insurance, prepaid plans such as HMOs, or government plans such as Medicare, or Indian Health Service?

```

    <1> YES
    <2> NO [goto hlthcare_4x]

    <7> DON'T KNOW [goto hlthcare_4x]
    <9> REFUSED [goto hlthcare_4x] @
[@][allow int 1]

```

```
>hlthcare_2< [optionbuttons on hide codes hide textbox]
```

Do you have Medicare?

[red]IWER: MEDICARE IS A COVERAGE PLAN FOR PEOPLE 65 OR OVER AND FOR CERTAIN DISABLED PEOPLE[n]

```

    <1> YES
    <2> NO

    <7> DON'T KNOW
    <9> REFUSED @
[@][allow int 1]

```

```
>hlthcare_3x< [optionbuttons on hide codes hide textbox]
```

What is the [u]primary[n] source of your health care coverage? Is it...

[red]PLEASE READ[n]

- <1> A plan purchased through an employer or union (includes plans purchased through another person's employer)
- <2> A plan that you or another family member buys on your own
- <3> Medicare
- <4> Medicaid or other state program
- <5> TRICARE (formerly CHAMPUS), VA, or Military
- <6> Alaska Native, Indian Health Service, Tribal Health Services, or
 - <0> Some other source (SPECIFY) [specify]
- <8> None (no coverage)

[red]DO NOT READ[n]

- <88> HEALTH INSURANCE MARKETPLACE (HEALTHCARE.GOV)
- <77> DON'T KNOW
- <99> REFUSED @a

```
[if @a eq <88>]
```

Was this a private health insurance plan purchased by you or a family member, or did you receive this through Medicaid or a state plan?

- <1> PURCHASED BY R OR FAMILY MEMBER
- <2> MEDICAID/STATE PLAN
- <7> DON'T KNOW
- <9> REFUSED @b

```
[endif]
```

```
[@a][allow int 2][input format zero fill]
```

```
[@b][allow int 1]
```

```
>hlthcare_3< [allow int 2]
```

```
  [#if entry mode]
```

```
    [if hlthcare_3x@a ne <88>][store hlthcare_3x@a in hlthcare_3][endif]
```

```
    [if hlthcare_3x@a eq <88>]
```

```
      [if hlthcare_3x@b eq <1>][store <02> in hlthcare_3][endif]
```

```
      [if hlthcare_3x@b eq <2>][store <04> in hlthcare_3][endif]
```

```
      [if hlthcare_3x@b eq <7>][store <77> in hlthcare_3][endif]
```

```

        [if hlthcare_3x@b eq <9>][store <99> in hlthcare_3][endif]
    [endif]
[#endif]
[#copy hlthcare_3 in hlthcare_3]

>hlthcare_4x< [optionbuttons on hide codes hide textbox]

    Do you have one person you think of as your personal doctor or health care
    provider?

        <1> YES
        <2> NO

        <7> DON'T KNOW
        <9> REFUSED    @a

[if @a eq <2>]

    Is there more than one, or is there no person who you think of as your
    personal doctor or health care provider?

        <1> MORE THAN ONE
        <2> NO PERSON

        <7> DON'T KNOW
        <9> REFUSED    @b
[endif]
[@a][allow int 1]
[@b][allow int 1]

>hlthcare_4< [allow int 1]
    [if entry mode]
        [if hlthcare_4x@a eq <1>][store <1> in hlthcare_4][endif]
        [if hlthcare_4x@a ge <7>][store hlthcare_4x@a in hlthcare_4][endif]
        [if hlthcare_4x@a eq <2> and hlthcare_4x@b eq <1>][store <2> in
hlthcare_4][endif]
        [if hlthcare_4x@a eq <2> and hlthcare_4x@b eq <2>][store <3> in
hlthcare_4][endif]
        [if hlthcare_4x@b ge <7>][store hlthcare_4x@b in hlthcare_4][endif]
    [endif]
    [copy hlthcare_4 in hlthcare_4]

>hlthcare_5< [optionbuttons on hide codes hide textbox]

    Was there a time in the past 12 months when you needed to see a doctor
    but could not because of cost?

        <1> YES
        <2> NO

        <7> DON'T KNOW
        <9> REFUSED    @

[@][allow int 1]

>hlthcare_6< [optionbuttons on hide codes hide textbox]

    Other than cost, there are many other reasons people delay getting needed
    medical care.

    Have you delayed getting needed medical care for any of the following reasons
    in the past 12 months? Please select the most important reason.

    [red]IWER:  IF GIVES AN ANSWER THAT IS COST RELATED (NO INSURANCE, NO MONEY, ETC,

```

USE THE OPTION THAT THEY DID NOT DELAY GETTING MEDICAL CARE[n]

[red]IWER: READ CATEGORIES[n]

- <1> You couldn't get through on the telephone.
- <2> You couldn't get an appointment soon enough.
- <3> Once you got there, you had to wait too long to see the doctor.
- <4> The (clinic/doctor's) office wasn't open when you got there.
- <5> You didn't have transportation.

<0> OTHER (SPECIFY) [specify]

<8> NO, I DID NOT DELAY GETTING MEDICAL CARE/DID NOT NEED MEDICAL CARE

<7> DON'T KNOW/NOT SURE

<9> REFUSED @

[@][allow int 1]

>hlthcare_7< [optionbuttons on hide codes hide textbox]

About how long has it been since you last visited a doctor for a routine checkup? A routine checkup is a general physical exam, not an exam for a specific injury, illness, or condition.

[red]IWER: PROBE CATEGORY IF NEEDED[n]

[red]IWER: READ CATEGORIES ONLY IF NEEDED[n]

- <1> Within the past year (anytime less than 12 months ago)
- <2> Within the past 2 years (1 year, but less than 2 years ago)
- <3> Within the past 5 years (2 years, but less than 5 years ago)
- <4> 5 or more years ago

<8> NEVER

<7> DON'T KNOW

<9> REFUSED @

[@][allow int 1]

CATI NOTE: If Q3.1 = 1 (Yes), continue. Otherwise, go to Q3.9.

>hlthcare_8< [optionbuttons on hide codes hide textbox][if hlthcare_1 ne <1> goto hlthcare_9]

In the [bold]past 12 months[n] was there any time when you did [bold]not[n] have [bold]any[n] health insurance or coverage?

<1> YES

<2> NO

<7> DON'T KNOW

<9> REFUSED @

[@][allow int 1][goto hlthcare_10]

>hlthcare_9< [optionbuttons on hide codes hide textbox]

About how long has it been since you last had health care coverage?

<1> 6 months or less

<2> More than 6 months, but not more than 1 year ago

<3> More than 1 year, but not more than 3 years ago

<4> More than 3 years

<5> Never

<7> DON'T KNOW/NOT SURE

<9> REFUSED @

[@][allow int 1]

>hlthcare_10< [optionbuttons on hide codes]

How many times have you been to a doctor, nurse, or other health professional in the past 12 months?

[green]IWER: IF NECESSARY, "By 'other health professional', we mean a nurse practitioner, a physician's assistant, social worker, or some other licensed professional."[n]

<88> NONE

<77> DON'T KNOW

<99> REFUSED

@ NUMBER OF TIMES

[@][allow int 2][input format zero fill] <1-76>

>hlthcare_11< [optionbuttons on hide codes hide textbox]

Was there a time in the past 12 months when you did not take your medication as prescribed because of cost? Do not include over-the-counter (OTC) medication.

<1> YES

<2> NO

<3> NO MEDICATION WAS PRESCRIBED

<7> DON'T KNOW

<9> REFUSED @

[@][allow int 1]

>hlthcare_12< [optionbuttons on hide codes hide textbox]

In general, how satisfied are you with the health care you received?

Would you say very satisfied, somewhat satisfied, or not at all satisfied?

<1> Very satisfied

<2> Somewhat satisfied

<3> Not at all satisfied

<8> NOT APPLICABLE (HAVE NOT SEEN HEALTH CARE PROVIDER)

<7> DON'T KNOW/NOT SURE

<9> REFUSED @

[@][allow int 1]

>hlthcare_13< [optionbuttons on hide codes hide textbox]

Do you currently have any health care bills that are being paid off over time?

[red]IWER: THIS COULD INCLUDE MEDICAL BILLS BEING PAID OFF WITH A CREDIT CARD, THROUGH PERSONAL LOANS, OR BILL PAYING ARRANGEMENTS WITH HOSPITALS OR OTHER PROVIDERS. THE BILLS CAN BE FROM EARLIER YEARS AS WELL AS THIS YEAR.

HEALTH CARE BILLS INCLUDE MEDICAL, DENTAL, PHYSICAL THERAPY AND/OR CHIROPRACTIC COSTS[n]

<1> YES

<2> NO

```

        <7> DON'T KNOW
        <9> REFUSED @
[@][allow int 1]

>sec03time< [allow 8]
    [if entry mode]
        [stop timer]
        [if sec03time eq <>][record timer in sec03time][endif]
    [endif]
    [copy sec03time in sec03time]

```

Section 4: Exercise

```

>sec04start< [if entry mode][start timer][endif]

>exer_core< [optionbuttons on hide codes hide textbox]

```

During the past month, other than your regular job, did you participate in any physical activities or exercises such as running, calisthenics, golf, gardening, or walking for exercise?

```

        <1> YES
        <2> NO

        <7> DON'T KNOW
        <9> REFUSED @
[@][allow int 1]

>sec04time< [allow 8]
    [if entry mode]
        [stop timer]
        [if sec04time eq <>][record timer in sec04time][endif]
    [endif]
    [copy sec04time in sec04time]

```

Section 5: Inadequate Sleep - DROPPED

Section 6: Chronic Health Conditions

```

>sec06start< [if entry mode][start timer][endif]

>cvd_1< [optionbuttons on hide codes hide textbox]

```

Now I would like to ask you some questions about general health conditions.

Has a doctor, nurse, or other health professional [u]ever[n] told you that you had any of the following? For each, tell me "Yes," "No," or you're "Not sure."

(Ever told) you that you had a heart attack also called a myocardial infarction?

```

        <1> YES
        <2> NO

        <7> DON'T KNOW/NOT SURE
        <9> REFUSED @
[@] [allow int 1]

```

```

>cvd_2< [optionbuttons on hide codes hide textbox]

```

(Ever told) you had angina or coronary heart disease?

```

<1> YES

```

```

        <2> NO

        <7> DON'T KNOW/NOT SURE
        <9> REFUSED @
[ @ ] [ allow int 1 ]

>cvd_3< [optionbuttons on hide codes hide textbox]

    (Ever told) you had a stroke?

        <1> YES
        <2> NO

        <7> DON'T KNOW/NOT SURE
        <9> REFUSED @
[ @ ] [ allow int 1 ]

>a_asthma_ever< [optionbuttons on hide codes hide textbox]

    (Ever told) you had asthma?

        <1> YES
        <2> NO [goto skin_cancer]

        <7> DON'T KNOW/NOT SURE [goto skin_cancer]
        <9> REFUSED [goto skin_cancer] @
[ @ ] [ allow int 1 ]

>a_asthma_has< [optionbuttons on hide codes hide textbox]

    Do you still have asthma?

        <1> YES
        <2> NO

        <7> DON'T KNOW/NOT SURE
        <9> REFUSED @
[ @ ] [ allow int 1 ]

>skin_cancer< [optionbuttons on hide codes hide textbox]

    (Ever told) you had skin cancer?

        <1> YES
        <2> NO

        <7> DON'T KNOW/NOT SURE
        <9> REFUSED @
[ @ ] [ allow int 1 ]

>other_cancer< [optionbuttons on hide codes hide textbox]

    (Ever told) you had any other types of cancer?

        <1> YES
        <2> NO

        <7> DON'T KNOW/NOT SURE
        <9> REFUSED @
[ @ ] [ allow int 1 ]

>copd_core< [optionbuttons on hide codes hide textbox]

```

```

(Ever told) you have Chronic Obstructive Pulmonary Disease or COPD, emphysema
or chronic bronchitis?

    <1> YES
    <2> NO

    <7> DON'T KNOW/NOT SURE
    <9> REFUSED @
[ @ ] [ allow int 1 ]

>arthritis_1< [optionbuttons on hide codes hide textbox]

(Ever told) you have some form of arthritis, rheumatoid arthritis, gout, lupus, or
fibromyalgia?

[red]FOR A LIST OF FORMS OF ARTHRITIS/RHEUMATISM[n] <h>[commandbutton <HELP>][etc
<h>][help arthritis_help]

    <1> YES
    <2> NO

    <7> DON'T KNOW/NOT SURE
    <9> REFUSED @
[ @ ] [ allow 1 ]

>anxiety_10< [optionbuttons on hide codes hide textbox]

(Ever told) you have a depressive disorder including depression, major depression,
dysthymia, or minor depression?

    <1> YES
    <2> NO

    <7> DON'T KNOW/NOT SURE
    <9> REFUSED @
[ @ ] [ allow 1 ]

>kidney< [optionbuttons on hide codes hide textbox]

(Ever told) you have kidney disease? Do [u]not[n] include kidney stones, bladder
infection or incontinence.

[red]IWER: INCONTINENCE IS NOT BEING ABLE TO CONTROL URINE FLOW. [n]

    <1> YES
    <2> NO

    <7> DON'T KNOW/NOT SURE
    <9> REFUSED @
[ @ ] [ allow 1 ]

>diabcore<

(Ever told) you have diabetes?

[red]IWER: IF RESPONDENT SAYS PRE-DIABETES OR BORDERLINE DIABETES,
CODE AS "PREDIABETES OR BORDERLINE (3)"[n]

    <1> YES
    <2> NO
    <3> PREDIABETES OR BORDERLINE

    <7> DON'T KNOW

```

```

        <9> REFUSED    @part

[if rsex eq <f>][if @part eq <1>]

    Was this only when you were pregnant?

        <1> YES
        <2> NO

        <7> DON'T KNOW
        <9> REFUSED    @preg
[endif 2]
[@part][allow int 1][optionbuttons on hide codes hide textbox]
[@preg][allow int 1][optionbuttons on hide codes hide textbox]

>diabetes< [allow int 1]
[if entry mode]
    [if diabcore@part eq <1>]
        [if rsex eq <m>]
            [store <1> in diabetes]
        [endif]
    [if rsex eq <f>]
        [if diabcore@preg eq <1>]
            [store <2> in diabetes]
        [endif]
        [if diabcore@preg eq <2>]
            [store <1> in diabetes]
        [endif]
        [if diabcore@preg ge <7>]
            [store diabcore@preg in diabetes]
        [endif]
    [endif]
[endif]
[if diabcore@part eq <2>][store <3> in diabetes][endif]
[if diabcore@part eq <3>][store <4> in diabetes][endif]
[if diabcore@part eq <7>][store <7> in diabetes][endif]
[if diabcore@part eq <9>][store <9> in diabetes][endif]
[endif]
[copy diabetes in diabetes]
[if diabetes ne <1>][goto diabmod_end][endif]

>diabmod_1< [optionbuttons on hide codes]

    How old were you when you were told you have diabetes?

        <97> 97 AND OLDER

        <98> DON'T KNOW
        <99> REFUSED

        @ AGE IN YEARS
[@][allow int 2][input format zero fill] <1-96>

>diabmod_end<

>sec06time< [allow 8]
    [if entry mode]
        [stop timer]
        [if sec06time eq <>][record timer in sec06time][endif]
    [endif]
    [copy sec06time in sec06time]

```

Section 6a: Prediabetes

```

>ifprediab< [if diabetes eq <1> goto prediab_end]
>sec06Astart< [if entry mode][start timer][endif]
>prediab_1< [optionbuttons on hide textbox hide codes]

    Have you had a test for high blood sugar or diabetes within the past
    three years?

        <1> YES
        <2> NO

        <7> DON'T KNOW
        <9> REFUSED @
[&][allow int 1]

CATI note: If Core Q6.12 = 4 (No, pre-diabetes or borderline diabetes); answer Q2 Yes
(code = 1).

>ifprediab_2< [if diabetes eq <4>][store <1> in prediab_2][goto prediab_end][endif]
>prediab2< [optionbuttons on hide textbox hide codes]

    Have you ever been told by a doctor or other health professional that you
    have pre-diabetes or borderline diabetes?

        <1> YES
        <2> NO

        <7> DON'T KNOW
        <9> REFUSED @part

[if rsex eq <f>][if @part eq <1>]

    Was this only when you were pregnant?

        <1> YES
        <2> NO

        <7> DON'T KNOW
        <9> REFUSED @preg
[endif 2]

>prediab_2< [allow int 1]
[if entry mode]
    [if prediab2@part eq <1>]
        [if rsex eq <m>]
            [store <1> in prediab_2]
        [endif]
        [if rsex eq <f>]
            [if prediab2@preg eq <1>]
                [store <2> in prediab_2]
            [endif]
            [if prediab2@preg eq <2>]
                [store <1> in prediab_2]
            [endif]
            [if prediab2@preg ge <7>]
                [store prediab2@preg in prediab_2]
            [endif]
        [endif]
    [endif]
[endif]
[if prediab2@part eq <2>][store <3> in prediab_2][endif]

```

```

    [if prediab2@part eq <7>][store <7> in prediab_2][endif]
    [if prediab2@part eq <9>][store <9> in prediab_2][endif]
  [endif]
  [copy prediab_2 in prediab_2]

>prediab_end<

>sec06Atime< [allow 8]
  [if entry mode]
    [stop timer]
    [if sec06Atime eq <>][record timer in sec06Atime][endif]
  [endif]
  [copy sec06Atime in sec06Atime]

Section 7: Oral Health

>sec07start< [if entry mode][start timer][endif]

>oralhlth_1< [optionbuttons on hide textbox hide codes]

  How long has it been since you last visited a dentist or a dental clinic for any
  reason? Include visits to dental specialists, such as orthodontists.

  [red]IWER: PROBE CATEGORY IF NEEDED[n]

    [red]READ CATEGORIES ONLY IF NECESSARY[n]
    <1> Within the past year (anytime less than 12 months ago)
    <2> Within the past 2 years (1 year but less than 2 years ago)
    <3> Within the past 5 years (2 years but less than 5 years ago)
    <4> 5 or more years ago

    <8> NEVER

    <7> DON'T KNOW
    <9> REFUSED @
  [][allow int 1]

>oralhlth_2< [optionbuttons on hide textbox hide codes]

  How many of your permanent teeth have been removed because of tooth
  decay or gum disease? Include teeth lost to infection, but do not include
  teeth lost for other reasons, such as injury or orthodontics.

  [red]IWER: IF WISDOM TEETH ARE REMOVED BECAUSE OF TOOTH DECAY OR [n]
  [red] GUM DISEASE, THEY SHOULD BE INCLUDED IN THE COUNT FOR LOST [n]
  [red] TEETH[n]

    <1> 1 TO 5
    <2> 6 OR MORE, BUT NOT ALL
    <3> ALL

    <8> NONE

    <7> DON'T KNOW/NOT SURE
    <9> REFUSED @
  [][allow int 1]

>sec07time< [allow 8]
  [if entry mode]
    [stop timer]
    [if sec07time eq <>][record timer in sec07time][endif]
  [endif]
  [copy sec07time in sec07time]

```

Section 8: Demographics

```
>sec08start< [if entry mode][start timer][endif]
>demo_age< [optionbuttons on hide codes]

    What is your age?

        <99> 99 YEARS OF AGE OR OLDER

        <7> DON'T KNOW
        <9> REFUSED

        @ RECORD AGE IN YEARS

[)][allow int 2][input format zero fill] <18-98>
>hisp< [optionbuttons on hide textbox hide codes]

[if rsex eq <f>]
    Are you Hispanic, Latina, or Spanish origin?
[endif]
[if rsex eq <m>]
    Are you Hispanic, Latino, or Spanish origin?
[endif]

    <1> YES
    <2> NO

    <7> DON'T KNOW
    <9> REFUSED @

[)][allow int 1]
>hisp_cat< [optional all][open hisp_cat][if hisp ne <1> goto hisp_count]

    Are you...

    [red]IWER: MORE THAN ONE CATEGORY CAN BE SELELCTED[n]

        @mex Mexican, Mexican American, Chicano/a

        @pr Puerto Rican

        @cuban Cuban

        @other Another Hispanic, Latino, or Spanish origin (SPECIFY)

        @no NO
        @dk DON'T KNOW
        @ref REFUSED

                [nodata button <DONE>]@done

[@mex][checkbox] <1>
[@pr][checkbox] <1>
[@cuban][checkbox] <1>
[@other][checkbox] <0>[specify]
[@no][checkbox] <1>[goto hisp_count]
[@dk][checkbox] <1> [goto hisp_count]
[@ref][checkbox] <1> [goto hisp_count]
```

```

>hisp_count< [allow int 1][store <0> in hisp_count]
  [if hisp ge <2> goto demo_hisp_end]
  [if hisp_cat@no eq <1> goto demo_hisp_end]
  [if hisp_cat@dk eq <1> goto demo_hisp_end]
  [if hisp_cat@ref eq <1> goto demo_hisp_end]
  [if hisp_cat@mex eq <1>][add <1> to hisp_count][endif]
  [if hisp_cat@pr eq <1>][add <1> to hisp_count][endif]
  [if hisp_cat@cuban eq <1>][add <1> to hisp_count][endif]
  [if hisp_cat@other eq <0>][add <1> to hisp_count][endif]

```

```

>oops_hisp< [if hisp_count ge <1> goto demo_hisp_end]

```

YOU MUST CLICK ON AT LEAST ONE CATEGORY.

PLEASE GO BACK AND FIX YOUR ANSWER

```

  <2>[etc <j hisp>][commandbutton <FIX PROBLEM>] @
[@][allow int 1]

```

```

>demo_hisp_end<

```

```

>demo_arab< [optionbuttons on hide textbox hide codes]

```

Are you of Arab or Chaldean origin?

<1> YES
<2> NO

<7> DON'T KNOW
<9> REFUSED @

```

[@][allow int 1]

```

```

>races< [optional all][open races]

```

Which one or more of the following would you say is your race?

[red]IWER: MORE THAN ONE CATEGORY CAN BE SELELCTED[n]

@white White

@black Black or African American

@indian American Indian, or Alaska Native

@asian Asian

```

[if @asian eq <1>]

```

@a_ind Asian Indian

@chinese Chinese

@fili Filipino

@japan Japanese

@korean Korean

@viet Vietnamese

@a_other Other Asian (SPECIFY)

```

[endif]

```

@pi Pacific Islander

```

[if @pi eq <1>]

    @nat_ha Native Hawaiian

    @guam Guamanian or Chamorro

    @samoan Samoan

    @pi_other Other Pacific Islander (SPECIFY)
[endif]

    @other Other (SPECIFY)

    @dk DON'T KNOW
    @ref REFUSED

        [nodata button <NO MORE RACES>]@done
[white][checkbox] <1>
[black][checkbox] <1>
[indian][checkbox] <1>
[asian][checkbox] <1>
[a_ind][checkbox] <1>
[chinese][checkbox] <1>
[fili][checkbox] <1>
[japan][checkbox] <1>
[korean][checkbox] <1>
[viet][checkbox] <1>
[a_other][checkbox] <0>[specify]
[pi][checkbox] <1>
[nat_ha][checkbox] <1>
[guam][checkbox] <1>
[samoan][checkbox] <1>
[pi_other][checkbox] <0>[specify]
[other][checkbox] <0>[specify]
[dk][checkbox] <1>[goto race_count]
[ref][checkbox] <1>[goto race_count]

>race_count< [allow int 2][store <0> in race_count]
    [if races@dk eq <1>][store <1> in race_count][goto demo_race_end][endif]
    [if races@ref eq <1>][store <1> in race_count][goto demo_race_end][endif]
    [if races@white eq <1>][add <1> to race_count][endif]
    [if races@black eq <1>][add <1> to race_count][endif]
    [if races@indian eq <1>][add <1> to race_count][endif]
    [if races@a_ind eq <1>][add <1> to race_count][endif]
    [if races@chinese eq <1>][add <1> to race_count][endif]
    [if races@fili eq <1>][add <1> to race_count][endif]
    [if races@japan eq <1>][add <1> to race_count][endif]
    [if races@korean eq <1>][add <1> to race_count][endif]
    [if races@viet eq <1>][add <1> to race_count][endif]
    [if races@a_other eq <0>][add <1> to race_count][endif]
    [if races@nat_ha eq <1>][add <1> to race_count][endif]
    [if races@guam eq <1>][add <1> to race_count][endif]
    [if races@samoan eq <1>][add <1> to race_count][endif]
    [if races@pi_other eq <0>][add <1> to race_count][endif]
    [if races@other eq <0>][add <1> to race_count][endif]

>oops_race< [if race_count ge <1> goto demo_race_end]

    YOU MUST CLICK ON AT LEAST ONE RACE. PLEASE GO BACK AND
    SELECT AT LEAST ONE RACE, DON'T KNOW OR REFUSED.

    <1>[etc <j races>][commandbutton <FIX ANSWER>] @
[allow int 1]

```

```
>demo_race_end<
```

```
>demo_mainrace< [optionbuttons on hide textbox hide codes]  
[if race_count eq <1> goto demo_mil]
```

Which one of these groups would you say [u]best[n] represents your race?

[red]IWER: IF THE R WILL NOT SELECT ONE OF THE OPTIONS LISTED
BELOW, PLEASE CODE AS REFUSAL[n]

```
[if races@white eq <1>]  
    <10> White  
[endif]  
[if races@black eq <1>]  
    <20> Black or African American  
[endif]  
[if races@indian eq <1>]  
    <30> American Indian, or Alaska Native  
[endif]  
[if races@a_ind eq <1>]  
    <41> Asian Indian  
[endif]  
[if races@chinese eq <1>]  
    <42> Chinese  
[endif]  
[if races@fili eq <1>]  
    <43> Filipino  
[endif]  
[if races@japan eq <1>]  
    <44> Japanese  
[endif]  
[if races@korean eq <1>]  
    <45> Korean  
[endif]  
[if races@viet eq <1>]  
    <46> Vietnamese  
[endif]  
[if races@a_other eq <0>]  
    <40> Other Asian (SPECIFY) [specify]  
[endif]  
[if races@nat_ha eq <1>]  
    <51> Native Hawaiian  
[endif]  
[if races@guam eq <1>]  
    <52> Guamanian or Chamorro  
[endif]  
[if races@samoan eq <1>]  
    <53> Samoan  
[endif]  
[if races@pi_other eq <0>]  
    <50> Other Pacific Islander (SPECIFY) [specify]  
[endif]  
[if races@other eq <0>]  
    or  
    <0> Other (SPECIFY) [specify]  
[endif]  
  
    <77> DON'T KNOW/NOT SURE    <99> REFUSED @  
[@][allow int 2][input format zero fill]
```

```
>demo_mil< [optionbuttons on hide textbox hide codes]
```

Have you ever served on active duty in the United States Armed Forces, either in the regular military or in a National Guard or military reserve unit?

[red]IWER: Active duty does not include training for the Reserves or National Guard, but [u]does[n][red] include activation, for example, for the Persian Gulf War.[n]

<1> YES
<2> NO

<7> DON'T KNOW
<9> REFUSED @

[@][allow int 1]

>demo_marital< [optionbuttons on hide textbox hide codes]

Are you....?

[red]IWER: PLEASE READ CATEGORIES[n]

<1> Married
<2> Divorced
<3> Widowed
<4> Separated
<5> Never married
or
<6> A member of an unmarried couple

<9> REFUSED @

[@][allow int 1]

>demo_child<

How many children less than 18 years of age live in your household?

<88> NONE

<99> REFUSED

NUMBER OF CHILDREN @num

[if @num ge <6>][if @num lt <88>]

(CDC guidelines requires us to verify some answers throughout the questionnaire).

[bold]You said that you had [fill @num] children under the age of 18 years old living in your household.

[r]IWER: IF THE NUMBER IS WRONG YOU WILL GO BACK UP TO FIX IT[n]

Is this correct?[n]

<1> YES, CORRECT
<2>[etc <j @num>] NO, IT IS NOT CORRECT @verif

[endif 2]

[@num][allow int 2][optionbuttons on hide codes][input format zero fill] <1-87>
[@verif][optionbuttons on hide codes hide textbox]

>demo_educ< [optionbuttons on hide textbox hide codes]

What is the highest grade or year of school you completed?

[red]IWER: READ ONLY IF NECESSARY[n]

```

    <1> Never attended school or only attended kindergarten
    <2> Grades 1 through 8 (Elementary)
    <3> Grades 9 through 11 (Some high school)
    <4> Grade 12 or GED (High school graduate)
    <5> College 1 year to 3 years (Some college or technical school)
    <6> College 4 years or more (College graduate)

    <9> REFUSED @
[)][allow int 1]

>demo_employ< [optionbuttons on hide textbox hide codes]

Are you currently employed for wages, self-employed, out of work for 1 year
or more, out of work for less than 1 year, a homemaker, a student,
retired, or unable to work?

[red]IWER: IF R STATES THAT THEY ARE RETIRED, BUT STILL WORKING,
PLEASE CODE THEM AS EMPLOYED. ONLY CODE RETIRED, IF THEY ARE
NOT WORKING AT ALL.[n]

    <1> EMPLOYED FOR WAGES
    <2> SELF-EMPLOYED
    <3> OUT OF WORK FOR 1 YEAR OR MORE
    <4> OUT OF WORK FOR LESS THAN 1 YEAR
    <5> A HOMEMAKER
    <6> A STUDENT
    <7> RETIRED
    <8> UNABLE TO WORK

    <9> REFUSED @
[)][allow int 1]

DROPPED 8.9a AND 8.9b

>income< [optionbuttons on hide textbox hide codes]

    Is your annual household income from all sources ...

[if college_hh eq <1>]
    [red]IWER: FOR COLLEGE RESIDENTS, THIS IS JUST THEIR OWN INCOME. DO NOT
    INCLUDE INCOME FROM ROOMMATES[n]
[endif]
    Less than $25,000?

        <1> YES                                <7> DON'T KNOW
        <2> NO                                <9> REFUSED @a

        [if @a eq <1>]


---


        Is it less than $20,000?

            <1> YES                            <7> DON'T KNOW
            <2> NO                            <9> REFUSED @b
        [endif]
        [if @b eq <1>]


---


        Is it less than $15,000?

            <1> YES                            <7> DON'T KNOW
            <2> NO                            <9> REFUSED @c
        [endif]
        [if @c eq <1>]

```

```
Is it less than $10,000?

<1> YES                <7> DON'T KNOW
<2> NO                <9> REFUSED   @d
[endif]
[if @a eq <2>]
```

```
Is it less than $35,000?

<1> YES                <7> DON'T KNOW
<2> NO                <9> REFUSED   @e
[endif]
[if @e eq <2>]
```

```
Is it less than $50,000?

<1> YES                <7> DON'T KNOW
<2> NO                <9> REFUSED   @f
[endif]
[if @f eq <2>]
```

```
Is it less than $75,000?

<1> YES                <7> DON'T KNOW
<2> NO                <9> REFUSED   @g
[endif]
```

```
[@a][allow int 1]
[@b][allow int 1]
[@c][allow int 1]
[@d][allow int 1]
[@e][allow int 1]
[@f][allow int 1]
[@g][allow int 1]
```

```
>demo_income< [allow int 2]
[if entry mode]
[if income@a eq <7>][store <77> in demo_income][endif]
[if income@a eq <9>][store <99> in demo_income][endif]
[if income@b eq <2>][store <04> in demo_income][endif]
[if income@b eq <7>][store <77> in demo_income][endif]
[if income@b eq <9>][store <99> in demo_income][endif]
[if income@c eq <2>][store <03> in demo_income][endif]
[if income@c eq <7>][store <77> in demo_income][endif]
[if income@c eq <9>][store <99> in demo_income][endif]
[if income@d eq <1>][store <01> in demo_income][endif]
[if income@d eq <2>][store <02> in demo_income][endif]
[if income@d eq <7>][store <77> in demo_income][endif]
[if income@d eq <9>][store <99> in demo_income][endif]
[if income@e eq <1>][store <05> in demo_income][endif]
[if income@e eq <7>][store <77> in demo_income][endif]
[if income@e eq <9>][store <99> in demo_income][endif]
[if income@f eq <1>][store <06> in demo_income][endif]
[if income@f eq <7>][store <77> in demo_income][endif]
[if income@f eq <9>][store <99> in demo_income][endif]
[if income@g eq <1>][store <07> in demo_income][endif]
[if income@g eq <2>][store <08> in demo_income][endif]
[if income@g eq <7>][store <77> in demo_income][endif]
[if income@g eq <9>][store <99> in demo_income][endif]
[endif]
[copy demo_income in demo_income]
```

```

>demo_wght<

    About how much do you weigh without shoes?

    [red]IWER: ROUND FRACTIONS UP[n]

    @words [if @words ne <>][if @words ne <DON'T KNOW>][if @words ne <REFUSED>]@wght
NUMBER[endif 3]

[if @words eq <POUNDS>][if @wght ne <>][if @wght le <80> or @wght ge <350>]

    [bold](CDC guidelines requires us to verify some answers throughout the
questionnaire).

    I need to verify that you gave me [fill @wght] pounds as your response to
the question about your current weight. (Is this correct?)[n]

        <1> YES, CORRECT WEIGHT
        <2>[etc <j @wght>] NO, INCORRECT WEIGHT
        <3>[etc <j @words>] NO, INCORRECT UNIT (SUPPOSE TO BE KILOGRAMS) @vlbs
[endif 3]
[if @words eq <KILOGRAMS>][if @wght ne <>][if @wght le <36> or @wght ge <159>]

    [bold](CDC guidelines requires us to verify some answers throughout the
questionnaire).

    I need to verify that you gave me [fill @wght] kilograms as your response to
the question about your current weight. (Is this correct?)[n]

        <1> YES, CORRECT WEIGHT
        <2>[etc <j @wght>] NO, INCORRECT WEIGHT
        <3>[etc <j @words>] NO, INCORRECT UNIT (SUPPOSE TO BE POUNDS) @vkilo
[endif 3]
[@words][allow 10][listbox units3 4 rows 12 columns]
    [choices are <POUNDS> <KILOGRAMS> <DON'T KNOW> <REFUSED>]
    [if @words eq <POUNDS> goto @unit]
    [if @words eq <KILOGRAMS> goto @unit]
    [if @words eq <DON'T KNOW> goto @unit]
    [if @words eq <REFUSED> goto @unit]
[@unit][allow int 1]
    [if @words eq <POUNDS>][store <0> in @unit][endif]
    [if @words eq <KILOGRAMS>][store <9> in @unit][endif]
    [if @words eq <DON'T KNOW>]
        [store <7> in @unit][store <777> in @wght]
        [goto @end]
    [endif]
    [if @words eq <REFUSED>]
        [store <9> in @unit][store <999> in @wght]
        [goto @end]
    [endif]
[@wght][allow int 3][input format zero fill] <50-776> <777> DON'T KNOW <999> REFUSED
[@vlbs][allow int 1][optionbuttons on hide textbox hide codes]
[@vkilo][allow int 1][optionbuttons on hide textbox hide codes]
[@end]

>demo_hght<

    About how tall are you without shoes?

    [red]IWER: ROUND FRACTIONS DOWN[n]

    @words [if @words eq <FEET/INCHES>]@feet FEET @inch
INCHES[endif][if @words eq <METERS>]@meter METERS @cm CENTIMETERS[endif]

```

```

[if @vftch eq <1>]

    [bold](CDC guidelines require that we verify answers throughout the
questionnaire.)

    I need to verify that you gave me [fill demo_hght@feet] feet and [fill
demo_hght@inch] inches
    tall as your response to the last question about your current height.

    (Is this correct).[n]
        <1> YES, CORRECT HEIGHT
        <2>[etc <j @feet>] NO, INCORRECT HEIGHT
        <3>[etc <j @words>] NO, INCORRECT UNITS (SUPPOSE TO BE METERS) @vfeet
[endif]
[if @vmtch eq <1>]

    [bold](CDC guidelines require that we verify answers throughout the
questionnaire.)

    I need to verify that you gave me [fill demo_hght@meter] meters and [fill
demo_hght@cm] centimeters
    tall as your response to the last question about your current height.

    (Is this correct).[n]
        <1> YES, CORRECT HEIGHT
        <2>[etc <j @meter>] NO, INCORRECT HEIGHT
        <3>[etc <j @words>] NO, INCORRECT UNITS (SUPPOSE TO BE FEET) @vmeter
[endif]
[words][allow 12][listbox units4 4 rows 13 columns]
[choices are <FEET/INCHES> <METERS> <DON'T KNOW> <REFUSED>]
[if @words eq <FEET/INCHES> goto @unit]
[if @words eq <METERS> goto @unit]
[if @words eq <DON'T KNOW> goto @unit]
[if @words eq <REFUSED> goto @unit]
[@unit][allow int 1]
[if @words eq <FEET/INCHES>][store <0> in @unit][endif]
[if @words eq <METERS>][store <9> in @unit][endif]
[if @words eq <DON'T KNOW>]
    [store <7> in @unit]
    [store <7> in @feet]
    [store <77> in @inch]
    [goto @end]
[endif]
[if @words eq <REFUSED>]
    [store <9> in @unit]
    [store <9> in @feet]
    [store <99> in @inch]
    [goto @end]
[endif]
[@feet][allow int 1][listbox num1 6 rows 3 columns]
[choices are <2><3><4><5><6><7>]
[@inch][allow int 2][listbox num2 12 rows 4 columns]
[choices are <0><1><2><3><4><5><6><7><8><9><10><11>]
[if @inch ne <>][goto @vftch][endif]
[@meter][#loc 31/1][allow int 1] <1-9>
[@cm][allow int 2][input format zero fill] <0-99>
[if @cm ne <>][goto @vmtch][endif]
[@vftch][allow int 1][store <> in @vftch]
[if @feet eq <4>][if @inch ge <9>][goto @end][endif 2]
[if @feet eq <5>][goto @end][endif]
[if @feet eq <6>][if @inch le <7>][goto @end][endif 2]
[store <1> in @vftch]
[@vfeet][allow int 1]

```

```

[@vmtch][allow int 1][store <> in @vmtch]
    [if demo_hght@meter eq <1>][if demo_hght@cm gt <42>][goto @end][endif 2]
    [if demo_hght@meter eq <2>][if demo_hght@cm lt <3>][goto @end][endif 2]
    [store <1> in @vmtch]
[@vmeter][allow int 1]
[@end]

>demo_12_ftm< [allow int 1]
    [if demo_hght@words ne <METERS>][store demo_hght@feet in
demo_12_ftm][endif]
    [if demo_hght@words eq <METERS>][store demo_hght@meter in
demo_12_ftm][endif]
>demo_12_incm< [allow int 2]
    [if demo_hght@words ne <METERS>][store demo_hght@inch in
demo_12_incm][endif]
    [if demo_hght@words eq <METERS>][store demo_hght@cm in
demo_12_incm][endif]

>demo_county< [optionbuttons on hide textbox hide codes]
    What county do you live in?

    <93> LIVINGSTON [goto demo_zipcode]

    <555> DOESN'T LIVE IN LIVINGSTON COUNTY

    <777> DON'T KNOW (TRY TO GET CITY/TOWNSHIP) [goto demo_zipcode]
    <999> REFUSED

    <0>[specify] GAVE CITY/TOWNSHIP ONLY [goto demo_zipcode] @
[@][allow int 3][input format zero fill]

>verif_county< [optionbuttons on hide textbox hide codes]

    I just need to verify that you [u]do not[n] live in Livingston County.

    <1>[goto inel_end] I DO NOT LIVE IN LIVINGSTON COUNTY (END OF INTERVIEW)

    <2>[etc <j demo_county>] I DO LIVE IN LIVINGSTON COUNTY (GO BACK TO FIX COUNTY
QUESTION)

    <9>[goto inel_end] REFUSED TO ANSWER @
[@][allow int 1]

>demo_zipcode< [optionbuttons on hide codes]

    What is your ZIP Code where you live?

    [red]IWER: IF THE ZIPCODE IS NOT ACCEPTED, IT IS NOT A MICHIGAN ZIPCODE[n]

    ZIP CODE [red]ONLY FIRST 5 NUMBERS[n]

        <77777> DON'T KNOW
        <99999> REFUSED @

[@][allow int 5]<48114><48116><48137><48139><48143><48169><48178><48189><48353>
<48380><48418><48430><48451><48816><48836><48843><48844><48855><48892><49285>

>demo_phonemulti< [optionbuttons on hide textbox hide codes]

    Do you have more than one telephone number in your household? Do not
include cell phones or numbers that are only used by a computer or fax
machine.

```

```

    <1> YES
    <2> NO [goto demo_cell11]

    <7> DON'T KNOW [goto demo_cell11]
    <9> REFUSED [goto demo_cell11] @
[)][allow int 1]

>demo_phonenum< [optionbuttons on hide textbox hide codes]

    How many of these telephone numbers are residential numbers?

    <6> 6 OR MORE [goto verif_d_phone]

    <7> DON'T KNOW [goto demo_cell11]
    <9> REFUSED [goto demo_cell11]

    @ NUMBER OF RESIDENTIAL PHONE NUMBERS
[)][allow int 1] <1-5>

>ifverif_d_phone<
    [if demo_phonenum ge <4> goto verif_d_phone]
    [if demo_phonenum gt adult goto verif_d_phone]
    [goto demo_cell11]

>verif_d_phone< [optionbuttons on hide textbox hide codes]

    [bold](CDC guidelines require that we verify answers throughout the
questionnaire.)

    I need to verify that you gave me [fill demo_phonenum] as the number of
different residential telephone numbers that you have. (Is this correct?)[n]

    [red]IWER: IF NUMBER IS "6", IT SHOULD BE READ AS 6 OR MORE[n]

    <1> YES, CORRECT NUMBER OF PHONE NUMBERS
    <2>[etc <j demo_phonemulti>] NO, ONLY ONE PHONE NUMBER
    <3>[etc <j demo_phonenum>] NO, INCORRECT NUMBER OF PHONE NUMBERS (BUT OVER
1) @
[)][allow int 1]

>demo_cell11< [optionbuttons on hide textbox hide codes]

    Do you have a cell phone for personal use? Please include cell phones
used for both business and personal use.

    <1> YES [goto demo_internet]
    <2> NO [goto demo_internet]

    <7> DON'T KNOW [goto demo_internet]
    <9> REFUSED [goto demo_internet] @
[)][allow int 1]

>demo_cell14< [optionbuttons on hide codes]

    Thinking about all the phone calls that you receive on your landline and
cell phone, what percent, between 0 and 100, are received on your cell phone?

    <888> ZERO, NONE

    <777> DON'T KNOW
    <999> REFUSED

```

```

    @ PERCENT OF CALLS (1 to 100)
[)][allow int 3][input format zero fill] <1-100>

>demo_internet< [optionbuttons on hide textbox hide codes]

    Have you used the internet in the past 30 days.

        <1> YES
        <2> NO

        <7> DON'T KNOW
        <9> REFUSED @
[)][allow int 1]

>demo_home< [optionbuttons on hide textbox hide codes]

    Do you own or rent your home?

[red]IWER: "OTHER ARRANGEMENT" MAY INCLUDE GROUP HOME OR STAYING
WITH FRIENDS OR FAMILY WITHOUT PAYING RENT.

HOME IS DEFINED AS THE PLACE WHERE YOU LIVE MOST OF THE TIME/THE
MAJORITY OF THE YEAR.

WE ASK THIS QUESTION IN ORDER TO COMPARE HEALTH INDICATORS AMONG PEOPLE
WITH DIFFERENT HOUSING SITUATIONS.[n]

        <1> OWN
        <2> RENT
        <3> OTHER ARRANGEMENT [specify]

        <7> DON'T KNOW/NOT SURE
        <9> REFUSED @
[)][allow int 1]

>demo_sex< [optionbuttons on hide textbox hide codes]

    RECORD SEX OF RESPONDENT.

[red]IWER: ASK ONLY IF NECESSARY[n]

        <1> MALE [goto demo_sexorient]
        <2> FEMALE @
[)][allow int 1]

>demo_preg< [if demo_age ge <45>][goto demo_sexorient][endif]
[optionbuttons on hide textbox hide codes]

    To your knowledge, are you now pregnant?

        <1> YES
        <2> NO

        <7> DON'T KNOW
        <9> REFUSED @
[)][allow int 1]

>demo_sexorient< [optionbuttons on hide textbox hide codes]

    Next, I'm going to ask you a question about sexual orientation.
[if demo_sex eq <1>]

```

Do you consider yourself to be: A - Heterosexual, that is straight; B - Homosexual, that is gay; C - Bisexual, or D - Something else?

[endif]

[if demo_sex eq <2>]

Do you consider yourself to be: A - Heterosexual, that is straight; B - Homosexual, that is lesbian; C - Bisexual, or D - Something else?

[endif]

[red]IWER: IF R GIVES THEIR ANSWER BEFORE YOU FINISH READING ALL CHOICES, IT IS NOT NECESSARY TO CONTINUE READING.

DO NOT PROBE.[n]

[green]READ IF NEEDED, "Please remember that your answers are confidential."[n]

[red]READ IF NEEDED, "Research has shown that some sexual minority community members have important health risk factors. We are collecting information about sexual orientation to learn whether this is true in Michigan."[n]

<1> A - HETEROSEXUAL, THAT IS STRAIGHT
<2> B - HOMOSEXUAL, THAT IS GAY/LESBIAN
<3> C - BISEXUAL, OR
<0> D - SOMETHING ELSE (SPECIFY) [specify]

<7> DON'T KNOW
<9> REFUSED @

[@][allow int 1]

>disability_1< [optionbuttons on hide textbox hide codes]

The following questions are about health problems or impairments you may have.

Are you limited in any way in any activities because of physical, mental, or emotional problems?

<1> YES
<2> NO

<7> DON'T KNOW
<9> REFUSED @

[@][allow int 1]

>disability_2< [optionbuttons on hide textbox hide codes]

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?

[red]IWER: INCLUDE OCCASIONAL USE OR USE IN CERTAIN CIRCUMSTANCES[n]

<1> YES
<2> NO

<7> DON'T KNOW
<9> REFUSED @

[@][allow int 1]

>disability_3< [optionbuttons on hide textbox hide codes]

```

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

    <1> YES
    <2> NO

    <7> DON'T KNOW
    <9> REFUSED  @
[@][allow int 1]

>disability_4< [optionbuttons on hide textbox hide codes]

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

    <1> YES
    <2> NO

    <7> DON'T KNOW
    <9> REFUSED  @
[@][allow int 1]

>disability_5< [optionbuttons on hide textbox hide codes]

    Do you have serious difficulty walking or climbing stairs?

    <1> YES
    <2> NO

    <7> DON'T KNOW
    <9> REFUSED  @
[@][allow int 1]

>disability_6< [optionbuttons on hide textbox hide codes]

    Do you have difficulty dressing or bathing?

    <1> YES
    <2> NO

    <7> DON'T KNOW
    <9> REFUSED  @
[@][allow int 1]

>disability_7< [optionbuttons on hide textbox hide codes]

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

    <1> YES
    <2> NO

    <7> DON'T KNOW
    <9> REFUSED  @
[@][allow int 1]

>demo_end<

>sec08time< [allow 8]
    [if entry mode]
    [stop timer]
    [if sec08time eq <>][record timer in sec08time][endif]

```

```

[endif]
[copy sec08time in sec08time]

Section 9: Tobacco Use

>sec09start< [if entry mode][start timer][endif]

>tobacco_1< [optionbuttons on hide textbox hide codes]

    Have you smoked at least 100 cigarettes in your entire life?

    [red]IWER: 5 PACKS = 100 CIGARETTES[n]

    [red]FOR CIGARETTES, DO NOT INCLUDE: ELECTRONIC CIGARETTES (E-CIGARETTES,
    NJOY, BLUETIP), HERBAL CIGARETTES, CIGARS, CIGARILLOS, LITTLE CIGARS, PIPES,
    BIDIS, KRETEKS, WATER PIPES (HOOKAHS), OR MARIJUANA.[n]

        <1> YES
        <2> NO [goto tobacco_5]

        <7> DON'T KNOW [goto tobacco_5]
        <9> REFUSED [goto tobacco_5] @
    [][allow int 1]

>tobacco_2< [optionbuttons on hide textbox hide codes]

    Do you now smoke cigarettes every day, some days, or not at all?

        <1> EVERYDAY
        <2> SOME DAYS
        <3> NOT AT ALL [goto tobacco_4]

        <7> DON'T KNOW [goto tobacco_5]
        <9> REFUSED [goto tobacco_5] @
    [][allow int 1]

>tobacco_3< [optionbuttons on hide textbox hide codes]

    During the past 12 months, have you stopped smoking for one day or longer
    because you were trying to quit smoking?

        <1> YES
        <2> NO

        <7> DON'T KNOW
        <9> REFUSED @
    [][allow int 1][goto tobacco_5]

>tobacco_4< [optionbuttons on hide textbox hide codes]

    How long has it been since you last smoked a cigarette, even one or two puffs?

    [red]IWER: PROBE CATEGORIES IF NEEDED[n]

    [red]IWER: READ ONLY IF NECESSARY[n]
    <1> Within the past month (less than 1 month ago)
    <2> Within the past 3 months (1 month but less than 3 months ago)
    <3> Within the past 6 months (3 months but less than 6 months ago)
    <4> Within the past year (6 months but less than 1 year ago)
    <5> Within the past 5 years (1 year but less than 5 years ago)
    <6> Within the past 10 years (5 years but less than 10 years ago)
    <7> 10 years or more

```

```

    <8> NEVER SMOKED REGULARLY

    <77> DON'T KNOW
    <99> REFUSED @
[)][allow int 2][input format zero fill]

>tobacco_5< [optionbuttons on hide textbox hide codes]

    Do you currently use chewing tobacco, snuff or snus every day, some days,
    or not at all?

    [green]IWER:  SNUS RYHMES WITH GOOSE[n]

    [red]IWER:  SNUS (SWEDISH FOR SNUFF) IS A MOIST SMOKELESS
    TOBACCO USUALLY SOLD IN SMALL POUCHES THAT ARE PLACED
    UNDER THE LIP AGAINST THE GUM[n]

    <1> EVERY DAY
    <2> SOME DAYS
    <3> NOT AT ALL

    <7> DON'T KNOW
    <9> REFUSED @
[)][allow int 1]

>sec09time< [allow 8]
    [if entry mode]
        [stop timer]
        [if sec09time eq <>][record timer in sec09time][endif]
    [endif]
    [copy sec09time in sec09time]

Section 10:  Alcohol Consumption

>sec10start< [if entry mode][start timer][endif]

>binge< [allow int 1]
    [if demo_sex eq <1>][store <5> in binge][endif]
    [if demo_sex eq <2>][store <4> in binge][endif]

>alcohol_day<

    During the past 30 days, how many days per week or per month did you have at least
    one
    drink of any alcoholic beverage such as beer, wine, a malt beverage or liquor?

        @word  [if @unit le <2>]NUMBER      @num  [endif]

[if @unit eq <1>][if @num gt <7>]

    [red]IWER:  YOU CAN NOT HAVE MORE THAN 7 DAYS IN A WEEK[n]

    [red]GO BACK TO THE PREVIOUS ANSWER TO CORRECT IT[n]

        <1>[etc <j @num>][commandbutton <FIX ANSWER>]

    @oops
[endif 2]
[@word][allow 25][listbox list6 5 rows 27 columns]
    [choices are <NO DRINKS IN PAST 30 DAYS> <DAYS PER WEEK> <DAYS IN PAST 30
DAYS>
        <DON'T KNOW> <REFUSED>]
    [if @word eq <NO DRINKS IN PAST 30 DAYS> goto @unit]

```

```

        [if @word eq <DAYS PER WEEK> goto @unit]
        [if @word eq <DAYS IN PAST 30 DAYS> goto @unit]
        [if @word eq <DON'T KNOW> goto @unit]
        [if @word eq <REFUSED> goto @unit]
[@unit][allow 1]
    [if @word eq <DAYS PER WEEK>][store <1> in @unit][endif]
    [if @word eq <DAYS IN PAST 30 DAYS>][store <2> in @unit][endif]
    [if @word eq <DON'T KNOW>]
        [store <7> in @unit]
        [store <77> in @num]
        [goto alcohol_end]
    [endif]
    [if @word eq <NO DRINKS IN PAST 30 DAYS>]
        [store <8> in @unit]
        [store <88> in @num]
        [goto alcohol_end]
    [endif]
    [if @word eq <REFUSED>]
        [store <9> in @unit]
        [store <99> in @num]
        [goto alcohol_end]
    [endif]
[@num][allow int 2][input format zero fill] <1-30><88><77><99>
[@oops][allow int 1]
[@end]

```

>alcohol_drnk<

One drink is equivalent to a 12-ounce beer, a 5-ounce glass of wine, or a drink with one shot of liquor. During the past 30 days, on the days when you drank, about how many drinks did you drink on the average.

[red]IWER: A 40 OUNCE BEER WOULD COUNT AS 3 DRINKS, OR A COCKTAIL WITH 2 SHOTS WOULD COUNT AS 2 DRINKS[n]

<77> DON'T KNOW
<99> REFUSED

NUMBER OF DRINKS @num

[if @num eq <0>]

[red]

YOU CAN NOT HAVE 0 AS AN ANSWER HERE SINCE YOU HAVE SAID THAT THE R DRANK IN THE PAST 30 DAYS.

TO FIX THIS, WHAT DO YOU NEED TO DO?

<1>[etc <j alcohol_day@word>] CHANGE NUMBER OF DAYS OF DRINKING TO 0
<2>[etc <j @num>] CHANGE NUMBER OF DRINKS ON DAYS OF DRINKING @oop

[endif]

[if @num gt <15>][if @num lt <77>]

(CDC guidelines require that we verify answers throughout the questionnaire.)

I need to verify that you gave me [fill alcohol_drnk@num] as the average number of drinks you drank on the days when you had a least one drink during the past 30 days.

(Is this correct).

<1> YES, CORRECT NUMBER OF DRINKS
<2>[etc <j @num>] NO, NOT THE CORRECT NUMBER OF DRINKS @vrf

```
[endif 2]
[@num][allow int 2][optionbuttons on hide codes][input format zero fill] <0>
<1-76>
[@oop][allow int 1][optionbuttons on hide textbox hide codes]
[@vrf][allow int 1][optionbuttons on hide textbox hide codes]

>alcohol_binge< [optionbuttons on hide codes]

    Considering all types of alcoholic beverages, how many times during the past
    30 days did you have [fill binge] or more drinks on an occasion?

        <88> NONE

        <77> DON'T KNOW
        <99> REFUSED

        NUMBER OF TIMES          @
[ @][allow int 2] <0> <1-76>
    [if @ eq <0>][store <88> in @][endif]
```

```
>alcohol_max<

    During the past 30 days, what is the largest number of drinks you had on
    any occasion?

        <77> DON'T KNOW
        <99> REFUSED

        NUMBER OF DRINKS          @num
[if @num eq <0>]

    [red]YOU CAN NOT HAVE 0 AS AN ANSWER HERE SINCE YOU HAVE SAID
    THAT THE R DRANK IN THE PAST 30 DAYS.

    TO FIX THIS, WHAT DO YOU NEED TO DO?

        <1> CHANGE NUMBER OF DAYS OF DRINKING TO 0
        <2> CHANGE LARGEST NUMBER OF DRINKS @oop
[endif]
[@num][allow int 2][optionbuttons on hide codes][input format zero fill] <1-50>
[@oop][allow int 1][optionbuttons on hide textbox hide codes]
    <1>[etc <j alcohol_day@word>] <2>[etc <j @num>]
```

```
>alcohol_end<

>sec10time< [allow 8]
    [if entry mode]
        [stop timer]
        [if sec10time eq <>][record timer in sec10time][endif]
    [endif]
    [copy sec10time in sec10time]
```

Section 11: Immunization

```
>sec11start< [if entry mode][start timer][endif]

>immun_flu_had< [optionbuttons on hide textbox hide codes]
```

Now I will ask you questions about the flu vaccine. There are two ways to get the flu vaccine, one is a shot in the arm and the other is a spray, mist, or drop in the nose called FluMist. During the past 12 months, have you had either a flu shot or a flu vaccine that was sprayed in your nose?

```
[green]IWER: READ IF NECESSARY, "A new flu shot came out in 2011 that injects
vaccine
into the skin with a very small needle. It is called Fluzone Intradermal vaccine.
This is also considered a flu shot.[n]
```

```
<1> YES
<2> NO [goto immun_pnem]

<7> DON'T KNOW/NOT SURE [goto immun_pnem]
<9> REFUSED [goto immun_pnem] @
```

```
[@] [allow int 1]
```

```
>immun_when<
```

```
During what month and year did you receive your most recent flu shot injected in
your
arm or flu vaccine that was sprayed in your nose?
```

```
MONTH
<1> JANUARY <5> MAY <9> SEPTEMBER <77> DON'T KNOW [goto
fix_immun_date]
<2> FEBRUARY <6> JUNE <10> OCTOBER <99> REFUSED [goto
fix_immun_date]
<3> MARCH <7> JULY <11> NOVEMBER
<4> APRIL <8> AUGUST <12> DECEMBER @mnth
```

```
YEAR
<2014> 2014 <2015> 2015 <7777> DON'T KNOW [goto fix_immun_date] <9999>
REFUSED [goto fix_immun_date] @year
[@mnth][allow int 2][optionbuttons on hide textbox hide codes][input format zero fill]
[@year][allow int 4][optionbuttons on hide textbox hide codes][goto verify_flu_when]
```

```
>fix_immun_date<
[if immun_when@mnth eq <77>][store <7777> in immun_when@year][goto immun_pnem][endif]
[if immun_when@mnth eq <99>][store <9999> in immun_when@year][goto immun_pnem][endif]
[if immun_when@year eq <7777>][store <77> in immun_when@mnth][goto immun_pnem][endif]
[if immun_when@year eq <9999>][store <99> in immun_when@mnth][goto immun_pnem][endif]
```

```
>verify_flu_when<
[if immun_when@year eq <2014>]
[if immun_when@mnth ge MON][goto immun_pnem][endif]
[if immun_when@mnth lt MON][goto oops_toolate][endif]
[endif]
[if immun_when@year eq <2015>]
[if immun_when@mnth le MON][goto immun_pnem][endif]
[if immun_when@mnth gt MON][goto oops_notyet][endif]
[endif]
[if immun_when@year ge <7777> goto immun_pnem]
```

```
>oops_toolate<
```

```
[red]YOU HAVE ENTERED A DATE THAT IS MORE THAN A YEAR AGO. PLEASE
GO BACK AND CORRECT EITHER THE DATE OR WHETHER OR NOT THEY HAVE
HAD ONE IN THE PAST YEAR.
```

```
IF IT IS THE MONTH YOU HAVE TO CORRECT, YOU WILL POSSIBLY HAVE
TO HIT ENTER TO MOVE FORWARD. DOUBLE CLICKING MAY NOT WORK.[n]
```

```
<1> WRONG DATE [etc <j immun_when>]
<2> NOT HAD ONE IN PAST 12 MONTHS [etc <j immun_flu_had>] @
[@][allow int 1]
```

```
>oops_notyet<
```

```

[red]YOU HAVE ENTERED A MONTH THAT HAS YET TO OCCUR. PLEASE
GO BACK AND CORRECT EITHER THE MONTH OR THE YEAR.

IF IT IS THE MONTH YOU HAVE TO CORRECT, YOU WILL POSSIBLY HAVE
TO HIT ENTER TO MOVE FORWARD. DOUBLE CLICKING MAY NOT WORK.[n]

    <1>[commandbutton <FIX PROBLEM>][etc <j immun_when>] @
[)][allow int 1]

>immun_pnem< [optionbuttons on hide textbox hide codes]

A pneumonia shot or pneumococcal vaccine is usually given only once or
twice in a person's lifetime and is different from the flu shot. Have you
ever had a pneumonia shot?

    <1> YES
    <2> NO

    <7> DON'T KNOW
    <9> REFUSED @
[)][allow int 1]

>if_shingle<
    [if demo_age ge <18>][if demo_age le <49>][goto immun_end][endif 2]
>immun_shingle< [optionbuttons on hide textbox hide codes]

The next question is about the Shingles vaccine.

Have you ever had the shingles or zoster vaccine?

[green]IWER: READ IF NECESSARY: "Shingles is caused by the chicken pox virus.
It is an outbreak of rash or blisters on the skin that may be associated with
severe pain. A vaccine for shingles has been available since May 2006; it is
called Zostavax, the zoster vaccine, or the shingles vaccine."[n]

    <1> YES
    <2> NO

    <7> DON'T KNOW
    <9> REFUSED @
[)][allow int 1]

>immun_end<

>secl1time< [allow 8]
    [if entry mode]
        [stop timer]
        [if secl1time eq <>][record timer in secl1time][endif]
    [endif]
    [copy secl1time in secl1time]

Section 12: Falls

If respondent is 45 years or older continue, otherwise go to next section.

>if_falls< [if demo_age ge <18>][if demo_age lt <45>][goto falls_end][endif 2]
>secl2start< [if entry mode][start timer][endif]
>falls_1< [optionbuttons on hide codes]

```

Next, I will ask about recent falls. By a fall, we mean when a person unintentionally comes to rest on the ground or another lower level.

In the past 12 months, how many times have you fallen?

<88> NONE [goto falls_end]
<76> 76 OR MORE

<77> DON'T KNOW/NOT SURE [goto falls_end]
<99> REFUSED [goto falls_end]

@ NUMBER OF TIMES

[@][allow int 2][input format zero fill] <1-75>

>falls_2< [optionbuttons on hide codes]

[if falls_1 eq <1>]
Did this fall cause an injury?

By an injury, we mean the fall caused you to limit your regular activities for at least a day or to go see a doctor.

<1> YES [goto falls_end]
<88> NO [goto falls_end]

[endif]

[if falls_1 ge <2>]
How many of these falls caused an injury?

By an injury, we mean the fall caused you to limit your regular activities for at least a day or to go see a doctor.

<88> NONE [#goto falls_end]
<76> 76 OR MORE

[endif]

<77> DON'T KNOW/NOT SURE [goto falls_end]
<99> REFUSED [goto falls_end]

@ [if falls_1 ge <2>]NUMBER OF FALLS RESULTING IN INJURY[endif]

[@][allow int 2][input format zero fill] <2-75>

>falls_verif< [if falls_2 le falls_1 goto falls_end][optionbuttons on hide codes hide textbox]

[bold]I must have recorded something wrong. I have that you fell [fill falls_1] times in the past 12 months, but that [fill falls_2] falls caused an injury.

Which number did I record wrong?[n]

<1>[etc <j falls_1>] NUMBER OF FALLS IS WRONG
<2>[etc <j falls_2>] NUMBER OF INJURIES IS WRONG @

[@][allow int 1]

>falls_end<

>secl2time< [allow 8]
[if falls_1 eq <> goto secl3start]
[if entry mode]
[stop timer]
[if secl2time eq <>][record timer in secl2time][endif]
[endif]
[copy secl2time in secl2time]

Section 13: Seatbelt Use

```
>secl3start< [if entry mode][start timer][endif]
```

```
>seatbelt< [optionbuttons on hide textbox hide codes]
```

How often do you use seat belts when you drive or ride in a car?

Would you say always, nearly always, sometimes, seldom, or never?

```
<1> ALWAYS  
<2> NEARLY ALWAYS  
<3> SOMETIMES  
<4> SELDOM, OR  
<5> NEVER
```

```
<8> NEVER DRIVE OR RIDE IN A CAR
```

```
<7> DON'T KNOW/NOT SURE  
<9> REFUSED @
```

```
[@][allow int 1]
```

```
>secl3time< [allow 8]  
  [if entry mode]  
    [stop timer]  
    [if secl3time eq <>][record timer in secl3time][endif]  
  [endif]  
  [copy secl3time in secl3time]
```

CATI note: If Q13.1 = 8 (Never drive or ride in a car), go to Section 15; otherwise continue.

Section 14: Drinking and Driving

CATI note: If Q10.1 = 888(No drinking in the past 30 days); go to next section.

```
>ifdrivedrnk<  
  [if alcohol_day@unit eq <8>][goto drivedrnk_end][endif]  
  [if seatbelt eq <8>][goto drivedrnk_end][endif]
```

```
>secl4start< [if entry mode][start timer][endif]
```

```
>drivedrnk< [optionbuttons on hide codes]
```

The next question is about drinking and driving.

During the past 30 days, how many times have you driven when you've had perhaps too much to drink?

```
<88> NONE
```

```
<77> DON'T KNOW  
<99> REFUSED
```

```
NUMBER OF TIMES @  
[@][allow int 2][input format zero fill] <1-76>
```

```
>secl4time< [allow 8]  
  [if entry mode]  
    [stop timer]  
    [if secl4time eq <>][record timer in secl4time][endif]  
  [endif]
```

```

[copy secl4time in secl4time]
>drivedrnk_end<
Section 15: Breast and Cervical Cancer Screening
CATI note: If respondent is male, go to the next section.
>if_women< [if demo_sex eq <1>][goto women_end][endif]
>secl5start< [if entry mode][start timer][endif]
>women_mamm_had< [optionbuttons on hide textbox hide codes]

The next questions are about breast and cervical cancer.

A mammogram is an x-ray of each breast to look for breast cancer. Have
you ever had a mammogram?

<1> YES
<2> NO

<7> DON'T KNOW
<9> REFUSED @
[@][allow int 1]
>women_mamm_when< [if women_mamm_had ne <1> goto women_brst_had]
[optionbuttons on hide textbox hide codes]

How long has it been since you had your last mammogram?

[red]IWER: PROBE IF NECESSARY[n]

[red]IWER: READ ONLY IF NECESSARY[n]
<1> Within the past year (anytime less than 12 months ago)
<2> Within the past 2 years (1 year, but less than 2 years ago)
<3> Within the past 3 years (2 years, but less than 3 years ago)
<4> Within the past 5 years (3 years, but less than 5 years ago)
<5> 5 or more years ago

<7> DON'T KNOW/NOT SURE
<9> REFUSED @
[@][allow int 1]
>women_brst_had< [optionbuttons on hide textbox hide codes]

A clinical breast exam is when a doctor, nurse, or other health professional
feels the breasts for lumps. Have you ever had a clinical breast exam?

<1> YES
<2> NO

<7> DON'T KNOW
<9> REFUSED @
[@][allow int 1]
>women_brst_wnh< [if women_brst_had ne <1> goto women_pap_had]
[optionbuttons on hide textbox hide codes]

How long has it been since your last breast exam?

[red]IWER: PROBE IF NECESSARY[n]

```

```

[red]IWER:  READ ONLY IF NECESSARY[n]
<1> Within the past year (anytime less than 12 months ago)
<2> Within the past 2 years (1 year, but less than 2 years ago)
<3> Within the past 3 years (2 years, but less than 3 years ago)
<4> Within the past 5 years (3 years, but less than 5 years ago)
<5> 5 or more years ago

<7> DON'T KNOW/NOT SURE
<9> REFUSED  @
[)][allow int 1]

>women_pap_had<  [optionbuttons on hide textbox hide codes]

    A Pap test is a test for cancer of the cervix.  Have you ever had a Pap test?

    <1> YES
    <2> NO

    <7> DON'T KNOW
    <9> REFUSED  @
[)][allow int 1]

>women_pap_when< [if women_pap_had ne <1> goto women_hyster]
[optionbuttons on hide textbox hide codes]

    How long has it been since you had your last Pap test?

[red]IWER:  PROBE IF NECESSARY[n]

    [red]IWER:  READ ONLY IF NECESSARY[n]
    <1> Within the past year (anytime less than 12 months ago)
    <2> Within the past 2 years (1 year, but less than 2 years ago)
    <3> Within the past 3 years (2 years, but less than 3 years ago)
    <4> Within the past 5 years (3 years, but less than 5 years ago)
    <5> 5 or more years ago

    <7> DON'T KNOW/NOT SURE
    <9> REFUSED  @
[)][allow int 1]

>women_hyster< [if demo_preg eq <1>][goto women_end][endif]
                [optionbuttons on hide textbox hide codes]

    Have you had a hysterectomy?

[green]IWER:  IF NECESSARY:  "A hysterectomy is an operation to remove
the uterus (womb)."[n]

    <1> YES
    <2> NO

    <7> DON'T KNOW
    <9> REFUSED  @
[)][allow int 1]

>women_end<

>sec15time< [allow 8]
[if demo_sex eq <1> goto ifmen_psa]
[if entry mode]
[stop timer]
[if sec15time eq <>][record timer in sec15time][endif]
[endif]

```

```
[copy secl5time in secl5time]
```

Section 16: Prostate Cancer Screening

CATI note: If respondent is lt 39 years of age, or is female, go to next section.

```
>ifmen_psa< [if demo_sex eq <2>][goto men_psa_end][endif]  
    [if demo_age ge <18>][if demo_age le <39>][goto men_psa_end][endif 2]
```

```
>secl6start< [if entry mode][start timer][endif]
```

```
>men_psa_adv< [optionbuttons on hide textbox hide codes]
```

Now, I will ask you some questions about prostate cancer screening.

A Prostate-Specific Antigen test, also called a PSA test, is a blood test used to check men for prostate cancer.

Has a doctor, nurse, or other health professional [U]ever[n] talked to you about the advantages of the PSA test?

```
<1> YES  
<2> NO
```

```
<7> DON'T KNOW  
<9> REFUSED @
```

```
[@][allow int 1]
```

```
>men_psa_dis< [optionbuttons on hide textbox hide codes]
```

Has a doctor, nurse, or other health professional [U]ever[n] talked to you about the disadvantages of the PSA test?

```
<1> YES  
<2> NO
```

```
<7> DON'T KNOW  
<9> REFUSED @
```

```
[@][allow int 1]
```

```
>men_psa_rec< [optionbuttons on hide textbox hide codes]
```

Has a doctor, nurse, or other health professional [U]ever[n] recommended that you have a PSA test?

```
<1> YES  
<2> NO
```

```
<7> DON'T KNOW  
<9> REFUSED @
```

```
[@][allow int 1]
```

```
>men_psa_had< [optionbuttons on hide textbox hide codes]
```

Have you [U]ever had[n] a PSA test?

```
<1> YES  
<2> NO [goto men_psa_end]
```

```
<7> DON'T KNOW [goto men_psa_end]  
<9> REFUSED [goto men_psa_end] @
```

```
[@][allow int 1]
```

```
>men_psa_when< [if men_psa_had ne <1> goto men_psa_end]
[optionbuttons on hide textbox hide codes]

How long has it been since you had your last PSA test?

[red]IWER: PROBE IF NECESSARY[n]

[red]IWER: READ ONLY IF NECESSARY[n]
<1> Within the past year (anytime less than 12 months ago)
<2> Within the past 2 years (1 year, but less than 2 years ago)
<3> Within the past 3 years (2 years, but less than 3 years ago)
<4> Within the past 5 years (3 years, but less than 5 years ago)
<5> 5 or more years ago

<7> DON'T KNOW/NOT SURE
<9> REFUSED @
[@][allow int 1]
```

```
>men_psa_main< [optionbuttons on hide textbox hide codes]

What was the [U]main[n] reason you had this PSA test - was it...?

[red]IWER: PLEASE READ CATEGORIES[n]
<1> Part of a routine exam
<2> Because of a prostate problem
<3> Because of a family history of prostate cancer
<4> Because you were told you had prostate cancer, or
<0> Some other reason [specify]

<7> DON'T KNOW/NOT SURE
<9> REFUSED @
[@][allow int 1]
```

```
>men_psa_end<

>secl6time< [allow 8]
[if men_psa_adv eq <> goto if_color]
[if entry mode]
[stop timer]
[if secl6time eq <>][record timer in secl6time][endif]
[endif]
[copy secl6time in secl6time]
```

Section 17: Colorectal Cancer Screening

CATI note: If respondent is le 49 years of age, go to next section.

```
>if_color< [if demo_age ge <18>][if demo_age le <49>][goto color_end][endif 2]
>secl7start< [if entry mode][start timer][endif]
>color_stool_had< [optionbuttons on hide textbox hide codes]
```

The next questions are about colorectal cancer screening.

A blood stool test is a test that may use a special kit at home to determine whether the stool contains blood. Have you ever had this test using a home kit?

- <1> YES
- <2> NO

```

        <7> DON'T KNOW
        <9> REFUSED  @
[)][allow int 1]

>color_stool_wn< [if color_stool_had ne <1> goto color_sigcol_hd]
[optionbuttons on hide textbox hide codes]

How long has it been since you had your last blood stool test using a home
kit?

[red]IWER: PROBE IF NECESSARY[n]

[red]IWER: READ ONLY IF NECESSARY[n]
<1> Within the past year (any time less than 12 months ago)
<2> Within the past 2 years (1 year, but less than 2 years ago)
<3> Within the past 3 years (2 years, but less than 3 years ago)
<4> Within the past 5 years (3 years, but less than 5 years ago)
<5> 5 or more years ago

<7> DON'T KNOW
<9> REFUSED  @
[)][allow int 1]

>color_sigcol_hd< [optionbuttons on hide textbox hide codes]

Sigmoidoscopy and colonoscopy are exams in which a tube is inserted in
the rectum to view the colon for signs of cancer or other health problems.
Have you ever had either of these exams?

<1> YES
<2> NO

<7> DON'T KNOW
<9> REFUSED  @
[)][allow int 1]

>color_sigcol_wh< [if color_sigcol_hd ne <1> goto color_end]
[optionbuttons on hide textbox hide codes]

For a [u]sigmoidoscopy[n] a flexible tube is inserted into the rectum to look
for problems. A [u]colonoscopy[n] is similar, but uses a longer tube, and
you are usually given medication through a needle in your arm to make you
sleepy and told to have someone else drive you home after the test. Was
your [u]most recent[n] exam a sigmoidoscopy or colonoscopy?

<1> SIGMOIDOSCOPY
<2> COLONOSCOPY

<7> DON'T KNOW
<9> REFUSED  @
[)][allow int 1]

>color_sigcol_wn< [optionbuttons on hide textbox hide codes]

[if color_sigcol_wh eq <1>]
    How long has it been since you had your last sigmoidoscopy?

[endif]
[if color_sigcol_wh eq <2>]
    How long has it been since you had your last colonoscopy?

[endif]
[if color_sigcol_wh ge <7>][if color_sigcol_wh le <9>]

```

How long has it been since you had your last sigmoidoscopy or colonoscopy?

```
[endif 2]
[red]IWER: READ ONLY IF NECESSARY[n]
<1> Within the past year (anytime less than 12 months ago)
<2> Within the past 2 years (1 year, but less than 2 years ago)
<3> Within the past 3 years (2 years, but less than 3 years ago)
<4> Within the past 5 years (3 years, but less than 5 years ago)
<5> Within the past 10 years (5 years, but less than 10 years ago)
<6> 10 or more years ago

<7> DON'T KNOW
<9> REFUSED @
[@][allow int 1]
```

>color_end<

```
>sec17time< [allow 8]
[if color_stool_had eq <> goto core_end]
[if entry mode]
[stop timer]
[if sec17time eq <>][record timer in sec17time][endif]
[endif]
[copy sec17time in sec17time]
```

Section 18: HIV/AIDS - DROPPED

```
>core_end<
[if entry mode]
[stop timer2]
[if coretime eq <>][record timer2 in coretime][endif]
[store {trunc}(coretime/sec_convert) in core_min]
[endif]
[copy coretime in coretime]
[copy core_min in core_min]
```

Section 22: Other Tobacco Questions (Also Sections 27 and 33, partial)

CATI NOTE: If Q9.2=1 or Q9.2=2, continue. Otherwise, go to Q22.4.

```
>sec22start< [if entry mode][start timer][endif]
```

```
>if_other_tob_1<
[if tobacco_2 eq <1> goto other_tob_1]
[if tobacco_2 eq <2> goto other_tob_1]
[goto other_tob_4]
```

```
>other_tob_1< [optionbuttons on hide textbox hide codes]
```

Earlier you indicated that you currently smoke cigarettes.

Has your doctor or other health care professional ever asked you if you were a smoker?

```
<1> YES
<2> NO

<7> DON'T KNOW/ NOT SURE
<9> REFUSED @
[@][allow int 1]
```

```
>other_tob_2< [optionbuttons on hide textbox hide codes]
```

Has your doctor or other health professional ever advised you of, or referred you to, a program or other resources available to help you stop smoking?

<1> YES
<2> NO

<7> DON'T KNOW/ NOT SURE
<9> REFUSED @

[@][allow int 1]

>other_tob_3< [optionbuttons on hide textbox hide codes]

Are you aware of any local programs or services that are available to help you quit smoking, such as telephone quit lines, local health clinic services, and cessation classes?

<1> YES
<2> NO

<7> DON'T KNOW/ NOT SURE
<9> REFUSED @

[@][allow int 1]

>other_tob_4< [optionbuttons on hide codes][if split_code eq <C>][goto other_tob_end][endif]

The next few questions focus on tobacco use and exposure.

On how many days during the past 30 days did you smoke tobacco using a narghile, hookah, or water pipe?

[green]IWER: IF NECESSARY, "During the past 30 days, on how many days did you smoke the narghile, hookah, or water pipe?"[n]

<88> NONE

<77> DON'T KNOW
<99> REFUSED

@ NUMBER OF DAYS

[@][allow int 2][input format zero fill] <1-30>

CATI NOTE: If Q9.2 = 1 or Q9.2 = 2, read:

>other_tob_5< [optionbuttons on hide textbox hide codes]

[if tobacco_2 ge <1>][if tobacco_2 le <2>]

Next I am going to ask you about your exposure to smoke from other people's cigarettes, cigars or pipes. Please do not include yourself.

[endif 2]

In the past seven days, did anyone smoke cigarettes, cigars, or pipes anywhere inside your home?

<1> YES
<2> NO

<7> DON'T KNOW/ NOT SURE
<9> REFUSED @

[@][allow int 1]

```
>other_tob_6< [optionbuttons on hide textbox hide codes]
```

In the past seven days, have you been in a car with someone who was smoking a cigarette, cigar or pipe? (Do not include yourself)

<1> YES

<2> NO

<7> DON'T KNOW/ NOT SURE

<9> REFUSED @

```
[@][allow int 1]
```

```
>other_tob_end<
```

```
>sec22time< [allow 8]
```

```
[if entry mode]
```

```
[stop timer]
```

```
[if sec22time eq <>][record timer in sec22time][endif]
```

```
[endif]
```

```
[copy sec22time in sec22time]
```

Section 23: Oral Health Care

```
>sec23start< [if entry mode][start timer][endif]
```

```
>oralcare_1< [optionbuttons on hide textbox hide codes]
```

The next questions are about oral health care.

When was the last time you had an exam for oral cancer in which a doctor or dentist pulls on your tongue sometimes with gauze wrapped around it and feels under the tongue and inside the cheeks?

```
[red]IWER: READ IF NECESSARY[n]
```

<1> Within the past year (anytime less than 12 months ago)

<2> Within the past 2 years (1 year but less than 2 years ago)

<3> Within the past 5 years (2 years but less than 5 years ago)

<4> 5 or more years ago

<7> DON'T KNOW

<8> NEVER

<9> REFUSED @

```
[@][allow int 1]
```

```
>oralcare_2< [optionbuttons on hide textbox hide codes]
```

Have you been covered for the entire past 12 month period by any of the following types of dental insurance?

```
[red]IWER: IF R SAYS "yes," PLEASE PROBE FOR A SPECIFIC ANSWER[n]
```

```
[red]IF R IS COVERED BY MULTIPLE SOURCES, PLEASE HAVE THEM SELECT THEIR PRIMARY SOURCE OF DENTAL INSURANCE.[n]
```

```
[red]PLEASE READ[n]
```

<1> Coverage provided by your employer

<2> Coverage provided by someone else's employer

<3> A plan that you or someone else buys on your own

<4> Medicaid or Medical Assistance

<5> TRICARE (formerly CHAMPUS), VA, or Military

<0> Some other source of dental insurance [specify]

<7> Covered but for only part of the year, or

<8> None (no coverage)

```

        [red]DO NOT READ[n]
        <77> DON'T KNOW
        <99> REFUSED @
[@][allow int 2]

>sec23time< [allow 8]
    [if entry mode]
        [stop timer]
        [if sec23time eq <>][record timer in sec23time][endif]
    [endif]
    [copy sec23time in sec23time]

```

Section 34: Alcohol Screening

CATI NOTE: If Q3.7= 1 or 2 (had a checkup within the past two years), continue. Otherwise, go to CATI NOTE before Q35.1.

```

>if_alcohol_scr<
    [if hlthcare_7 eq <1>][goto fil_checkup][endif]
    [if hlthcare_7 eq <2>][goto fil_checkup][endif]
    [goto alcohol_scr_x]

>sec34start< [if entry mode][start timer][endif]

>fil_checkup< [allow 25]
    [if hlthcare_7 eq <1>][store <within the past year> in fil_checkup][endif]
    [if hlthcare_7 eq <2>][store <within the past two years> in fil_checkup][endif]

```

```

>alcohol_scr_1< [optionbuttons on hide textbox hide codes]

```

Healthcare providers may ask during routine checkups about behaviors like alcohol use, whether you drink or not. We want to know about their questions.
[if alcohol_day@unit eq <8>]

Even though you previously indicated that you do not drink alcohol we are still required to ask you the following questions.
[endif]

You told me earlier that your last routine checkup was [fill fil_checkup].
At that checkup, were you asked in person or on a form if you drink alcohol?

```

        <1> YES
        <2> NO

        <7> DON'T KNOW/ NOT SURE
        <9> REFUSED      @
[@][allow int 1]

```

```

>alcohol_scr_2< [optionbuttons on hide textbox hide codes]

```

Did the healthcare provider ask you in person or on a form how much you drink?

```

        <1> YES
        <2> NO

        <7> DON'T KNOW/ NOT SURE
        <9> REFUSED      @
[@][allow int 1]

```

```

>alcohol_scr_3< [optionbuttons on hide textbox hide codes]

```

Did the healthcare provider specifically ask whether you drank [fill binge] or

```

more alcoholic drinks on an occasion?

    <1> YES
    <2> NO

    <7> DON'T KNOW/ NOT SURE
    <9> REFUSED      @
[ @ ][allow int 1]

>alcohol_scr_4< [optionbuttons on hide textbox hide codes]

    Were you offered advice about what level of drinking is harmful or risky
    for your health?

    <1> YES
    <2> NO

    <7> DON'T KNOW/ NOT SURE
    <9> REFUSED      @
[ @ ][allow int 1]

CATI NOTE: If Q34.1 = 1 or Q34.2 = 1 or Q34.3 = 1, continue. Otherwise, go to CATI
NOTE before Q35.1.
>if_screen_5<
    [if alcohol_scr_1 eq <1>][goto alcohol_scr_5][endif]
    [if alcohol_scr_2 eq <1>][goto alcohol_scr_5][endif]
    [if alcohol_scr_3 eq <1>][goto alcohol_scr_5][endif]
    [goto alcohol_scr_e]

>alcohol_scr_5< [optionbuttons on hide textbox hide codes]

    Healthcare providers may also advise patients to drink less for various
    reasons. At your last routine checkup, were you advised to reduce or quit
    your drinking?

    <1> YES
    <2> NO

    <7> DON'T KNOW/ NOT SURE
    <9> REFUSED      @
[ @ ][allow int 1]

>alcohol_scr_e<

>sec34time< [allow 8]
    [if entry mode]
        [stop timer]
        [if sec34time eq <>][record timer in sec34time][endif]
    [endif]
    [copy sec34time in sec34time]

>alcohol_scr_x<

Livingston 1: Child Care

CATI NOTE: Ask if one or more children based on 8.7

>L1start< [if demo_child@num ge <77> goto L1_end2]
    [if entry mode][start timer][endif]

>L1_1< [optionbuttons on hide codes]

[if demo_child@num ge <2>]

```

```

Previously you said that you had [fill demo_child@num] children currently
living in your household. Thinking of those children who are between the
ages of [u]3 months and 12 years old[n], how old is the [bold]youngest[n]
child who is 3 months or older.
[endif]
[if demo_child@num eq <1>]
    Previously, you said that you had one child currently living in your
    household. How old is this child?
[endif]

[red]IWER: IF NO CHILD BETWEEN 3 MONTHS AND 12 YEARS, USE "NO CHILD
IN AGE GROUP[n]

    @word [if @unit le <2>](YOUNGEST) CHILD'S AGE @num [endif]

[@word][allow 21][listbox list1 5 rows 22 columns]
    [choices are <MONTHS> <YEARS> <NO CHILD IN AGE GROUP> <NO CHILDREN IN HH>
<DON'T KNOW> <REFUSED>]
    [if @word eq <NO CHILD IN AGE GROUP> goto @unit]
    [if @word eq <NO CHILDREN IN HH> goto fix_child]
    [if @word eq <MONTHS> goto @unit]
    [if @word eq <YEARS> goto @unit]
    [if @word eq <DON'T KNOW> goto @unit]
    [if @word eq <REFUSED> goto @unit]
[@unit][allow 1]
    [if @word eq <MONTHS>][store <1> in @unit][endif]
    [if @word eq <YEARS>][store <2> in @unit][endif]
    [if @word eq <DON'T KNOW>]
        [store <7> in @unit]
        [store <77> in @num]
        [goto L1_end1]
    [endif]
    [if @word eq <NO CHILD IN AGE GROUP>]
        [store <8> in @unit]
        [store <88> in @num]
        [goto fix_child2]
    [endif]
    [if @word eq <REFUSED>]
        [store <9> in @unit]
        [store <99> in @num]
        [goto L1_end1]
    [endif]
[@num][allow int 2][input format zero fill] <1-12><88><77><99>

>if_fix_child<
    [if L1_1@unit eq <1>][if L1_1@num ge <1>][if L1_1@num lt <3>][goto
fix_child2][endif 3]
    [if L1_1@unit eq <2>][if L1_1@num ge <13>][if L1_1@num le <18>][goto
fix_child2][endif 3]
    [goto L1_2]

>fix_child<

    I just want to double check that there are no children [U]younger
    than 18 years old[n] who currently live in your household.

    Is this correct?

        <1> YES
        <2>[etc <j L1_1>] THERE ARE CHILDREN IN HOUSEHOLD @
[@][allow int 1][if @ eq <1>][store <88> in demo_child@num][goto L1_end1][endif]

>fix_child2<

```

I just want to double check that there are no children between the ages of [U]3 months and 12 years old[n] who currently live in your household.

Is this correct?

```
<1> YES
<2>[etc <j L1_1>] THERE ARE CHILDREN IN HOUSEHOLD IN THIS AGE RANGE @
[@][allow int 1][if @ eq <1>][goto L1_end1][endif]
>L1_2< [optionbuttons on hide textbox hide codes]

[if demo_child@num ge <2>]
  Thinking of this youngest child, is this child in any kind of care, on a
  regular basis, where they are watched by someone other than a parent?
  This could be someone who is paid or a friend or family member.
[endif]
[if demo_child@num eq <1>]
  Is this child in any kind of care, on a regular basis, where they are
  watched by someone other than a parent? This could be someone who is
  paid or a friend or family member.
[endif]
```

```
[red]IWER: DO NOT INCLUDE WHEN IN CLASS AT SCHOOL/PRESCHOOL, BUT DO COUNT
AFTER/BEFORE SCHOOL CARE.[N]
```

```
<1> YES
<2> NO [goto L1_4]

<7> DON'T KNOW/ NOT SURE [goto L1_end1]
<9> REFUSED [goto L1_end1] @
[@][allow int 1]
>L1_3< [optionbuttons on hide textbox hide codes]
```

What type of care setting is this?

```
<1> LICENSED CENTER
<2> LICENSED FAMILY OR GROUP HOME
<3> FAMILY MEMBER OTHER THAN PARENT OR SIBLING
<4> NEIGHBOR
<5> HOME WITH SIBLING
<0> OTHER [specify]

<77> DON'T KNOW
<99>REFUSED @
[@][allow int 2]
```

```
>L1_4< [optional all][open L1_4]
```

What are your concerns about child care?

```
[green]IWER: IF NECESSARY, "Even though your child is in daycare, we are still
interested in what types of concerns you may have about your child's care".[n]
```

```
[red]IWER: MORE THAN ONE CATEGORY CAN BE SELECTED[n]
  @1 Cost

  @2 Quality of care

  @3 Availability
```

```

        @4 Location

        @5 Special needs care not being met

        @6 Lack of extended hours (evenings/weekend care)
[if @1 eq <2>]

        @7

        @8

        @9
[endif]

        @10 OTHER

        @88 DO NOT HAVE ANY CONCERNS
        @77 DON'T KNOW
        @99 REFUSED

                [nodata button <NO MORE CONCERNS>]@done
[@1][checkbox] <1>
[@2][checkbox] <1>
[@3][checkbox] <1>
[@4][checkbox] <1>
[@5][checkbox] <1>
[@6][checkbox] <1>
[@7][checkbox] <1>
[@8][checkbox] <1>
[@9][checkbox] <1>
[@10][checkbox] <0>[specify]
[@77][checkbox] <1>[goto L1_end1]
[@88][checkbox] <1>[goto L1_end1]
[@99][checkbox] <1>[goto L1_end1]

>flag_L1_4< [allow int 1][store <0> in flag_L1_4]
    [if L1_4@1 eq <1>][store <1> in flag_L1_4][goto L1_end1][endif]
    [if L1_4@2 eq <1>][store <1> in flag_L1_4][goto L1_end1][endif]
    [if L1_4@3 eq <1>][store <1> in flag_L1_4][goto L1_end1][endif]
    [if L1_4@4 eq <1>][store <1> in flag_L1_4][goto L1_end1][endif]
    [if L1_4@5 eq <1>][store <1> in flag_L1_4][goto L1_end1][endif]
    [if L1_4@6 eq <1>][store <1> in flag_L1_4][goto L1_end1][endif]
    [if L1_4@10 eq <0>][store <1> in flag_L1_4][goto L1_end1][endif]

>check_L1_4<

    YOU MUST CHECK AT LEAST ONE OPTION FOR THE PREVIOUS QUESTION.
    IF THEY HAVE NO CONCERNS/REFUSED/DON'T KNOW, USE THE OPTIONS
    FOR THESE.

    <1>[etc <j L1_4>][commandbutton <FIX ANSWER>] @

>L1_end1<

>L1time< [allow 8]
    [if entry mode]
        [stop timer]
        [if L1time eq <>][record timer in L1time][endif]
    [endif]
    [copy L1time in L1time]

>L1_end2<

```

Livingston 2: Behavioral Health

>L2start< [if entry mode][start timer][endif]

>L2_1< [optionbuttons on hide textbox hide codes]

The following questions are about services you or a family member may have received for mental health, an intellectual, developmental, or learning disability or substance use. By family member, we mean spouse, parent, child or sibling.

In the past 12 months, have you or a family member needed services for mental health, an intellectual, developmental, or learning disability or substances use.

[red]IWER: FAMILY MEMBER IS SPOUSE, PARENT, CHILD, OR SIBLING.[n]

<1> YES

<2> NO [goto L2_end]

<7> DON'T KNOW/ NOT SURE [goto L2_end]

<9> REFUSED [goto L2_end] @

[@][allow int 1]

>L2_2< [optionbuttons on hide textbox hide codes]

How satisfied were you or your family member with the steps involved in getting the services needed?

Would you say very satisfied, satisfied, dissatisfied or very dissatisfied?

<1> VERY SATISFIED

<2> SATISFIED

<3> DISSATISFIED

<4> VERY DISSATISFIED

<7> DON'T KNOW

<9> REFUSED @

[@][allow int 1]

>L2_3< [optionbuttons on hide textbox hide codes]

Were you or your family member able to get the services needed?

<1> YES

<2> NO [goto L2_end]

<7> DON'T KNOW/ NOT SURE [goto L2_end]

<9> REFUSED [goto L2_end] @

[@][allow int 1]

>L2_4< [optionbuttons on hide textbox hide codes]

How satisfied were you or your family member with the services that were received?

Would you say very satisfied, satisfied, dissatisfied or very dissatisfied?

<1> VERY SATISFIED

<2> SATISFIED

<3> DISSATISFIED

<4> VERY DISSATISFIED

```

        <7> DON'T KNOW
        <9> REFUSED @
[@][allow int 1]

>L2_end<

>L2time< [allow 8]
    [if entry mode]
        [stop timer]
        [if L2time eq <>][record timer in L2time][endif]
    [endif]
    [copy L2time in L2time]

```

Livingston 3: Radon

CATI NOTE: If (Q8.20 = own) ask this section, otherwise go to next section.

```

>L3start< [if demo_home ne <1> goto L3_end2]
    [if entry mode][start timer][endif]

```

```

>L3_1< [optionbuttons on hide textbox hide codes]

```

The next questions are about your home.

Are you the homeowner?

```

        <1> YES
        <2> NO [goto L3_end1]

        <7> DON'T KNOW/ NOT SURE [goto L3_end1]
        <9> REFUSED [goto L3_end1] @
[@][allow int 1]

```

```

>L3_2< [optionbuttons on hide textbox hide codes]

```

Have you ever tested your home for radon?

[red]IWER: IF R SAYS THAT THEY HAD SOMEONE DO IT FOR THEM, COUNT THIS AS "YES"[n]

```

        <1> YES
        <2> NO [goto L3_5]

        <7> DON'T KNOW/ NOT SURE [goto L3_end1]
        <9> REFUSED [goto L3_end1] @
[@][allow int 1]

```

```

>L3_3< [optionbuttons on hide textbox hide codes]

```

Were the levels high enough that it was suggested that you do something to reduce the radon levels in your home, such as hire a radon mitigation contractor or install your own device?

```

        <1> YES
        <2> NO [goto L3_end1]

        <7> DON'T KNOW/ NOT SURE [goto L3_end1]
        <9> REFUSED [goto L3_end1] @
[@][allow int 1]

```

```

>L3_4< [optionbuttons on hide textbox hide codes]

```

Did you do something to reduce the radon levels?

```
[red]IWER: IF R SAYS THEY HIRED IT TO BE DONE OR HAD SOMEONE DO IT, COUNT AS
"YES"[n]
```

```
<1> YES [goto L3_end1]
<2> NO
```

```
<7> DON'T KNOW/ NOT SURE [goto L3_end1]
<9> REFUSED [goto L3_end1] @
```

```
[@][allow int 1]
```

```
>L3_5< [optionbuttons on hide textbox hide codes]
```

There are many reasons why people may not do something to reduce the radon in their home. What is the main reason that you have not done something to reduce the radon in your home?

```
<1> RENTAL PROPERTY
<2> COST
<3> NOT SURE HOW TO FIND SOMEONE TO DO THE WORK
<4> NOT SURE WHAT TO DO TO REDUCE RADON
<5> HAVEN'T GOTTEN AROUND TO IT YET
<6> DON'T WANT TO DISCLOSE WHEN I SELL MY HOUSE
<7> NOT SURE, DIDN'T OCCUR TO ME
<8> MY REALTOR DIDN'T SUGGEST IT
<9> MY BUILDER DIDN'T SUGGEST IT
<10> ACCESS TO TESTING KITS
<0> OTHER (SPECIFY REASON) [specify]
```

```
<77> DON'T KNOW
<99> REFUSED @
```

```
[@][allow int 2]
```

```
>L3_end1<
```

```
>L3time< [allow 8]
[if entry mode]
[stop timer]
[if L3time eq <>][record timer in L3time][endif]
[endif]
[copy L3time in L3time]
```

```
>L3_end2<
```

```
Livingston 4: Drug Use
```

```
MARIJUANA
```

```
>A_MONTH< [allow 10]
[datestring monthname from DATE into A_MONTH]
>A_YEAR< [allow 4][store YEAR in A_YEAR][subtract <1> from A_YEAR]
```

```
>L4start< [if entry mode][start timer][endif]
```

```
>L4_1< [optionbuttons on hide textbox hide codes]
```

The next questions are about marijuana and hashish. Marijuana is also called pot or grass. Marijuana is usually smoked, either in cigarettes, called joints, or in a pipe. It is sometimes cooked in food.

Do you have a prescription for medical marijuana?

```
<1> YES
```

```

        <2> NO

        <7> DON'T KNOW/ NOT SURE
        <9> REFUSED      @
[@][allow int 1]

>L4_2< [optionbuttons on hide textbox hide codes]

        Have you ever, even once, used marijuana?

        <1> YES
        <2> NO [goto L4_4]

        <7> DON'T KNOW/ NOT SURE [goto L4_4]
        <9> REFUSED [goto L4_4]      @
[@][allow int 1]

>L4_3< [optionbuttons on hide codes]

        Now thinking about the past 12 months, from [fill A_MONTH] [fill DAY], [fill
A_YEAR]
        through today, how many days per week, days per month, or days per year have you
used
        marijuana or hashish during the past 12 months.

        [green]IWER: IF R ONLY SAYS DAILY OR WEEKLY, PROBE WITH "How many times
daily/weekly?" [n]
                @word [if @word ne <>][if @word ne <DON'T KNOW>][if @word ne
<REFUSED>]@num NUMBER[endif 3]
[ @word][allow 21][listbox food1 7 rows 22 columns]
        [choices are <PER DAY> <PER WEEK> <PER MONTH> <PER YEAR> <DON'T KNOW>
<REFUSED>]
        [if @word ne <> goto @unit]
[ @unit][allow int 1]
        [if @word eq <PER DAY>][store <1> in @unit][endif]
        [if @word eq <PER WEEK>][store <2> in @unit][endif]
        [if @word eq <PER MONTH>][store <3> in @unit][endif]
        [if @word eq <PER YEAR>][store <4> in @unit][endif]
        [if @word eq <DON'T KNOW>][store <7> in @unit][store <77> in @num][goto
L4_4][endif]
        [if @word eq <REFUSED>][store <9> in @unit][store <99> in @num][goto
L4_4][endif]
[ @num][allow int 2] <0-54> <55> <77> <99>

HEROIN

>L4_4< [optionbuttons on hide textbox hide codes]

        These next questions are about heroin.

        Have you ever, even once, used heroin?

        <1> YES
        <2> NO [goto L4_end]

        <7> DON'T KNOW/ NOT SURE [goto L4_end]
        <9> REFUSED [goto L4_end]      @
[@][allow int 1]

>L4_5< [optionbuttons on hide codes]

        Now thinking about the past 12 months, from [fill A_MONTH] [fill DAY], [fill
A_YEAR]

```

through today, how many days per week, days per month, or days per year have you used heroin during the past 12 months.

```
[green]IWER: IF R ONLY SAYS DAILY OR WEEKLY, PROBE WITH "How many times
daily/weekly?" [n]
    @word [if @word ne <>][if @word ne <DON'T KNOW>][if @word ne
<REFUSED>]@num NUMBER[endif 3]
[@word][allow 21][listbox food1 7 rows 22 columns]
    [choices are <PER DAY> <PER WEEK> <PER MONTH> <PER YEAR> <DON'T KNOW>
<REFUSED>]
    [if @word ne <> goto @unit]
[@unit][allow int 1]
    [if @word eq <PER DAY>][store <1> in @unit][endif]
    [if @word eq <PER WEEK>][store <2> in @unit][endif]
    [if @word eq <PER MONTH>][store <3> in @unit][endif]
    [if @word eq <PER YEAR>][store <4> in @unit][endif]
    [if @word eq <DON'T KNOW>][store <7> in @unit][store <77> in @num][goto
L5start][endif]
    [if @word eq <REFUSED>][store <9> in @unit][store <99> in @num][goto
L5start][endif]
[@num][allow int 2] <0-54> <55> <77> <99>

>L4_end<
```

```
>L4time< [allow 8]
    [if entry mode]
        [stop timer]
        [if L4time eq <>][record timer in L4time][endif]
    [endif]
    [copy L4time in L4time]
```

Livingston 5: Misuse of Prescription Drugs

PAIN RELIEVERS

```
>L5start< [if entry mode][start timer][endif]
```

```
>L5_1< [optionbuttons on hide textbox hide codes]
```

For the next group of questions, we are not interested in your use of "over-the-counter" medications that can be bought in drug stores or grocery stores [U]without[n] a doctor's prescription. We are [U]only[n] interested in the type of drugs that require a doctor's prescription. We also, only want to know about a prescription drug if the drug was not prescribed for you [U]or[n] you took the drug only for the experience or feeling it caused.

The first set of these questions is about the use of prescription pain relievers.

Have you ever, even once, used Vicodin, Percocet, OxyContin, Darvocet, Darvon, or Tylenol with codeine, that was not prescribed for you or that you took only for the experience or feeling it caused?

```
[green]IWER: IF ASKED, "We are not interested in your use of "over-the-counter"
pain relievers such as aspirin, Tylenol, or Advil that can be bought in drug
stores or grocery stores without a doctor's prescription." [n]
```

```
<1> YES
<2> NO [goto L5_3]

<7> DON'T KNOW/ NOT SURE [goto L5_3]
```

```

    <9> REFUSED [goto L5_3]      @
[@][allow int 1]

>L5_2< [optionbuttons on hide codes]

    Now thinking about the past 12 months, from [fill A_MONTH] [fill DAY], [fill
A_YEAR]
    through today, how many days per week, days per month, or days per year have you
used
    prescription pain killers not prescribed for you or that you took only for the
experience or feeling it caused.

```

```

[green]IWER:  IF R ONLY SAYS DAILY OR WEEKLY, PROBE WITH "How many times
daily/weekly?" [n]
    @word    [if @word ne <>][if @word ne <DON'T KNOW>][if @word ne
<REFUSED>]@num    NUMBER[endif 3]
[word][allow 21][listbox food1 7 rows 22 columns]
    [choices are <PER DAY> <PER WEEK> <PER MONTH> <PER YEAR> <DON'T KNOW>
<REFUSED>]
    [if @word ne <> goto @unit]
[unit][allow int 1]
    [if @word eq <PER DAY>][store <1> in @unit][endif]
    [if @word eq <PER WEEK>][store <2> in @unit][endif]
    [if @word eq <PER MONTH>][store <3> in @unit][endif]
    [if @word eq <PER YEAR>][store <4> in @unit][endif]
    [if @word eq <DON'T KNOW>][store <7> in @unit][store <77> in @num][goto
L5_3][endif]
    [if @word eq <REFUSED>][store <9> in @unit][store <99> in @num][goto
L5_3][endif]
[num][allow int 2] <0-54> <55> <77> <99>

```

STIMULANTS

```

>L5_3< [optionbuttons on hide textbox hide codes]

```

These next questions ask about the use of drugs such as amphetamines that are known as stimulants, "uppers," or "speed." People sometimes take these drugs to lose weight, to stay awake, or for attention deficit disorders.

Methamphetamine
is also known as crank, crystal, ice, or speed.

Have you ever, even once, used Methamphetamine, Desoxyn, Methedrine, Ritalin, Adderall,
or Concerta that was not prescribed for you or that you took only for the
experience
or feeling it caused?

```

[green]IWER:  IF NECESSARY, "We are not interested in the use of "over the-
counter"
stimulants such as Dexatrim or No-Doz that can be bought in drug stores or
grocery
stores without a doctor's prescription." [n]

```

```

    <1> YES
    <2> NO [goto L5_6]

    <7> DON'T KNOW/ NOT SURE [goto L5_6]
    <9> REFUSED [goto L5_6]      @
[num][allow int 1]

```

```

>L5_4< [optionbuttons on hide textbox hide codes]

```

Thinking of the first time you ever used a prescription stimulant, was the

prescription stimulant not prescribed for you or did you take it only for the experience or feeling it caused?

<1> YES
<2> NO

<7> DON'T KNOW/ NOT SURE
<9> REFUSED @

[@][allow int 1]

>L5_5< [optionbuttons on hide textbox hide codes]

Now thinking about the past 12 months, from [fill A_MONTH] [fill DAY], [fill A_YEAR] through today, how many days per week, days per month, or days per year have you used prescription stimulants not prescribed for you or that you took only for the experience or feeling it caused.

[green]IWER: IF R ONLY SAYS DAILY OR WEEKLY, PROBE WITH "How many times daily/weekly?" [n]

@word [if @word ne <>][if @word ne <DON'T KNOW>][if @word ne <REFUSED>]@num NUMBER[endif 3]
[@word][allow 21][listbox food1 7 rows 22 columns]
[choices are <PER DAY> <PER WEEK> <PER MONTH> <PER YEAR> <DON'T KNOW> <REFUSED>]
[if @word ne <> goto @unit]
[@unit][allow int 1]
[if @word eq <PER DAY>][store <1> in @unit][endif]
[if @word eq <PER WEEK>][store <2> in @unit][endif]
[if @word eq <PER MONTH>][store <3> in @unit][endif]
[if @word eq <PER YEAR>][store <4> in @unit][endif]
[if @word eq <DON'T KNOW>][store <7> in @unit][store <77> in @num][goto L5_6][endif]
[if @word eq <REFUSED>][store <9> in @unit][store <99> in @num][goto L5_6][endif]
[@num][allow int 2] <0-54> <55> <77> <99>

TRANQUILIZERS

>L5_6< [optionbuttons on hide textbox hide codes]

These next questions ask about the use of tranquilizers. Tranquilizers are usually prescribed to relax people, to calm people down, to relieve anxiety, or to relax muscle spasms. Some people call tranquilizers "nerve pills".

We are interested in your use of any form of prescription tranquilizers that were not prescribed for you or that you took only for the experience or feeling they caused.

Have you ever, even once, used Klonopin, Clonazepam, Xanax, Alprazolam, Ativan, Lorazepam, Valium or Diazepam that was not prescribed for you or that you took only for the experience or feeling it caused?

<1> YES
<2> NO [goto L5_end]

<7> DON'T KNOW/ NOT SURE [goto L5_end]
<9> REFUSED [goto L5_end] @

>L5_7< [optionbuttons on hide textbox hide codes]

Now thinking about the past 12 months, from [fill A_MONTH] [fill DAY], [fill A_YEAR] through today, how many days per week, days per month, or days per year have you used prescription tranquilizers not prescribed for you or that you took only for the experience or feeling it caused.

```
[green]IWER: IF R ONLY SAYS DAILY OR WEEKLY, PROBE WITH "How many times
daily/weekly?" [n]
    @word [if @word ne <>][if @word ne <DON'T KNOW>][if @word ne
<REFUSED>]@num NUMBER[endif 3]
[@word][allow 21][listbox food1 7 rows 22 columns]
    [choices are <PER DAY> <PER WEEK> <PER MONTH> <PER YEAR> <DON'T KNOW>
<REFUSED>]
    [if @word ne <> goto @unit]
[@unit][allow int 1]
    [if @word eq <PER DAY>][store <1> in @unit][endif]
    [if @word eq <PER WEEK>][store <2> in @unit][endif]
    [if @word eq <PER MONTH>][store <3> in @unit][endif]
    [if @word eq <PER YEAR>][store <4> in @unit][endif]
    [if @word eq <DON'T KNOW>][store <7> in @unit][store <77> in @num][goto
L5_end][endif]
    [if @word eq <REFUSED>][store <9> in @unit][store <99> in @num][goto
L5_end][endif]
[@num][allow int 2] <0-54> <55> <77> <99>

>L5_end<

>L5time< [allow 8]
    [if entry mode]
        [stop timer]
        [if L5time eq <>][record timer in L5time][endif]
    [endif]
    [copy L5time in L5time]
```

Livingston Section 6: Emergency Preparedness

```
>L6start< [if entry mode][start timer][endif]
```

```
>L6_1< [optionbuttons on hide textbox hide codes]
```

The next questions are about emergencies and large-scale disasters.

Do you have supplies, such as bottled water, non-perishable foods, and batteries, in your home to be used only in case of a large-scale disaster or emergency?

```
[red]IWER:: DO NOT PROBE DON'T KNOW RESPONSE.[n]
```

```
<1> YES
```

```
<2> NO
```

```
<7> DON'T KNOW/ NOT SURE
```

```
<9> REFUSED @
```

```
[@][allow int 1]
```

```
>L6_2<[optionbuttons on hide textbox hide codes]
```

Does your household have an emergency plan that includes instructions for household members about where to go and what to do in the event of a disaster?

```
[red]IWER:: DO NOT PROBE DON'T KNOW RESPONSE.[n]
```

```

    <1> YES
    <2> NO

    <7> DON'T KNOW/ NOT SURE
    <9> REFUSED      @
[@][allow int 1]

>L6time< [allow 8]
    [if entry mode]
        [stop timer]
        [if L6time eq <>][record timer in L6time][endif]
    [endif]
    [copy L6time in L6time]

Livingston 7:  Interpersonal Violence

>L7start< [if entry mode][start timer][endif]

>L7_Int< [optionbuttons on hide textbox hide codes]

    These last questions are about violence between two people.  This information
    will allow us to better understand the problem of violence and may help
    others in the future.  Remember that you answers will be kept confidential.

    The violence between two people could be physical, verbal, emotional,
    economic, or sexual.  It could include threats, being kept from family and
    friends, or intimidation.  The person could be a family member, partner,
    someone you are dating or dated, a friend, or a stranger.

    Are you in a safe place to answer these questions?

    [red]IWER:  IF ASKED FOR ASSISTANCE, GIVE 24/7 HELPLINE (866) 522-2725.[n]

        <1> YES
        <2> NO [goto L7_end]

        <7> DON'T KNOW/ NOT SURE [goto L7_end]
        <9> REFUSED [goto L7_end]      @
[@][allow int 1]

>L7_1< [optionbuttons on hide textbox hide codes]

    In the past 12 months, have you been a victim of this type of violence by
    someone you know?

    [red]IWER:  IF ASKED FOR ASSISTANCE, GIVE 24/7 HELPLINE (866) 522-2725.[n]

        <1> YES
        <2> NO [goto L7_4]

        <7> DON'T KNOW/ NOT SURE [goto L7_4]
        <9> REFUSED [goto L7_4]      @
[@][allow int 1]

>L7_2< [optionbuttons on hide textbox hide codes]

    Did you seek help?

    [red]IWER:  IF ASKED FOR ASSISTANCE, GIVE 24/7 HELPLINE (866) 522-2725.[n]

        <1> YES
        <2> NO [goto L7_4]

```

```

        <7> DON'T KNOW/ NOT SURE [goto L7_4]
        <9> REFUSED [goto L7_4]      @
[)][allow int 1]

>L7_3< [optionbuttons on hide textbox hide codes]

From whom do you seek help?

[red]IWER: IF ASKED FOR ASSISTANCE, GIVE 24/7 HELPLINE (866) 522-2725.[n]

        <1> FAMILY MEMBER
        <2> FRIEND
        <3> POLICE
        <4> 911
        <5> MEDICAL PERSONNEL (RATHER THAN HOSPITAL COULD BE THEIR OWN PHYSICIAN)
        <6> CO-WORKER
        <7> NONPROFIT SOCIAL AGENCY
        <8> LACASA (LIVINGSTON AREA COUNCIL AGAINST SPOUSE ABUSE)
        <9> HUMAN SERVICES (DHS)
        <10> CLERGY (FAITH BASED)
        <0> OTHER (SPECIFY) [specify]

        <77> DON'T KNOW
        <99> REFUSED @
[)][allow int 2]

>L7_4< [optionbuttons on hide textbox hide codes]

In the past 12 months, have you been a victim of this type of violence by
a stranger?

[red]IWER: IF ASKED FOR ASSISTANCE, GIVE 24/7 HELPLINE (866) 522-2725.[n]

        <1> YES
        <2> NO [goto L7_end]

        <7> DON'T KNOW/ NOT SURE [goto L7_end]
        <9> REFUSED [goto L7_end]      @

>L7_5< [optionbuttons on hide textbox hide codes]

Did you seek help?

[red]IWER: IF ASKED FOR ASSISTANCE, GIVE 24/7 HELPLINE (866) 522-2725.[n]

        <1> YES
        <2> NO [goto L7_end]

        <7> DON'T KNOW/ NOT SURE [goto L7_end]
        <9> REFUSED [goto L7_end]      @
[)][allow int 1]

>L7_6< [optionbuttons on hide textbox hide codes]

From whom do you seek help?

[red]IWER: IF ASKED FOR ASSISTANCE, GIVE 24/7 HELPLINE (866) 522-2725.[n]

        <1> FAMILY MEMBER
        <2> FRIEND
        <3> POLICE
        <4> 911
        <5> MEDICAL PERSONNEL (RATHER THAN HOSPITAL COULD BE THEIR OWN PHYSICIAN)

```

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    <6> CO-WORKER
    <7> NONPROFIT SOCIAL AGENCY
    <8> LACASA (LIVINGSTON AREA COUNCIL AGAINST SPOUSE ABUSE)
    <9> HUMAN SERVICES (DHS)
    <10> CLERGY (FAITH BASED)
    <0> OTHER (SPECIFY) [specify]

    <77> DON'T KNOW
    <99> REFUSED @
[][allow int 2]

>L7_end<

>L7time< [allow 8]
    [if entry mode]
        [stop timer]
        [if L7time eq <>][record timer in L7time][endif]
    [endif]
    [copy L7time in L7time]

>state_end<
    [if entry mode]
        [stop question count][record question count in Qcount]
    [endif]
    [copy Qcount in Qcount]
    [goto MOD7]

>inel_end< [store <41> in CODE][goto MOD7]

>chck<[equiv spvr][store <> in chck]

```

That's my last question. Everyone's answers will be combined to help us provide information about the health practices of people in this state. Thank you very much for your time and cooperation.

(INTERVIEWER: CATI is now checking for interview completeness. If any questions were missed, you will go to those questions when you type "g". If there are no missed questions, you will go directly to the next question.)

```

    <g>[commandbutton <PROCEED>] @

```