

Methodological Report:
Michigan State University
State of the State Survey 76
(Winter 2018 Round)

June, 2018

Graham L. Pierce

Institute for Public Policy and Social Research
Michigan State University

The State of the State Survey (SOSS) is administered by the Institute for Public Policy and Social Research of Michigan State University.

For the benefit of sponsors, consumers, and users of SOSS data, we have prepared this guide to the purpose, design, methods, and content of the survey.

Please address questions or comments to:

Graham L. Pierce, SOSS Project Manager, Michigan State University, Kellogg Center, 219 S. Harrison Rd. Room 95, East Lansing, MI 48824

Phone/Fax: (517) 884-0364

Email: glpierce@msu.edu

Dr. Charles L. Ballard, SOSS Director, Department of Economics, Michigan State University, Marshall-Adams Hall, 486 W. Circle Dr. Room 110, East Lansing, MI 48824

Phone: (517) 353-2961

Fax: (517) 432-1068

Email: ballard@msu.edu

Contents

1. Purpose of Survey	3
2. Calendar	3
3. Structure of the Questionnaire	3
4. Management and Organization	4
5. Dissemination of Results	5
6. Sample Design	5
7. Field Procedures.....	9
8. Documentation Available.....	11
9. Data Format and Archiving.....	12
10. CATI Questionnaire (New RDD).....	13
12. SPSS Data Import Syntax (New RDD)	60
13. SPSS Weighting Syntax	76
14. Codebook	94

1. Purpose of Survey

SOSS is a public opinion survey of the adult citizens of Michigan, conducted three to four times each year since October, 1994. It employs Computer Assisted Telephone Interviewing (CATI) technology to interview a stratified random sample of Michigan adults. Originally based only on household landline telephones, SOSS began including cell phones in Round 62 (Summer 2012). SOSS is a product of the Institute for Public Policy and Social Research in collaboration with the Office for Survey Research at Michigan State University.

Although dozens of surveys are conducted in Michigan every year, SOSS is the only one designed to provide a regular systematic monitoring of the public mood in the state. SOSS has five principal objectives:

1. To provide information about citizen opinions on critical issues
2. To provide data for scientific and policy research by MSU faculty
3. To provide useful information for programs and offices at MSU
4. To develop survey methods
5. To provide opportunities for student training and research

2. Calendar

People's experiences and the overall public mood change not only from year to year but also with the seasons. It is important to establish baselines for understanding what is a "normal" seasonal fluctuation and what is a more permanent change. For this reason, SOSS is typically conducted at regular quarterly intervals.

3. Structure of the Questionnaire

The questionnaires for each round of the survey are designed by a different set of principal investigators, consisting of faculty, students, and staff at MSU and other higher education institutions, as well as researchers and staff at non-profits and other organizations and businesses. Each survey instrument consists of three main components: a demographic core, a non-demographic core, and client questions.

The demographic core contains questions on the social background and status of the respondents (age, sex, education, employment status, type of community, marital status, number of children, size of household, income, ethnic identity, etc.). This block of questions is repeated in each round, though more detailed questions on some of the dimensions (e.g., the number and ages of children) might be included in certain rounds based on client needs.

The non-demographic core contains additional questions that are repeated in every round of the survey in order to gauge broad shifts in the economic, social, and political orientations and status of the population. These include questions about consumer confidence, self-identification on a

liberal-conservative scale, partisan identification, assessments of presidential performance and gubernatorial performance, and other issues.

Together the demographic and non-demographic core of the questionnaire take an average of about 7 minutes of interviewing time to complete. The remainder of the interview typically lasts around 13-18 minutes, so that on average interviews on SOSS take about 20-25 minutes of the respondent's time.

The winter round each year includes questions on the most important problem that respondents want the governor and legislature to address. It also includes an assessment of respondents' trust in federal, state, and local governments to make right decisions.

Beyond the core set of interview items, SOSS 76 included sets of questions on these topics:

1. Health Care
2. Health Insurance
3. Water Quality

A word of caution is in order on the use of the data. Because of the inclusion of question-order and question-wording experiments, the codebook for the survey, containing the weighted frequency distribution of responses, may be difficult to interpret and must be used carefully. Occasionally, alternative variants of questions will be combined into composite measures in the final data that are distributed, but the original questions also remain in the codebook and data set. It is the responsibility of the data users and analysts, not of SOSS, to assure that the appropriate variants of questions are used in analyses and reports. A copy of the CATI interview program with the logic and skip patterns (indicated by "[goto ...]" commands and "[if ...]" commands) accompanies the codebook to help clarify the paths particular respondents would take through the interview.

4. Management and Organization

SOSS and OSR staff are responsible for the technical work of programming the CATI survey instrument, training and supervising interviewers, selection and administration of the sample, coding and weighting of data, and preparation of the final data set and documentation. In addition, SOSS and OSR staff work with and advise the principal investigators and other researchers in the design of the sample and the survey instrument. Final approval of the survey and sample design rests with the principal investigators and SOSS Director.

For each round of the survey, a small working group of principal investigators is responsible for the design of the instrument for that round, subject to final approval by the SOSS Director, SOSS Project Manager, and OSR staff. The working groups consist primarily of "principal investigators" for the given round who have sponsored and funded the survey and will conduct the major initial analyses of the data, provide public briefings, and have priority in analyzing the data for publication for the six-month period following the end of the field period for that round (more on data access below).

Working Group for the Winter 2018 survey:

Riva Denny, Professor, Michigan State University Department of Sociology

Sandra Marquart-Pyatt, Graduate Student, Michigan State University Department of Sociology

Melissa Riba, Research & Evaluation Director, Center for Healthcare Research & Transformation

Megan Slowey, Healthcare Analyst, Center for Healthcare Research & Transformation

Michelle Williams, Healthcare Analyst, Center for Healthcare Research & Transformation

Funding sources for the Winter 2018 survey:

- Center for Healthcare Research & Transformation
- Michigan State University Department of Sociology
- Michigan State University Institute for Public Policy and Social Research

5. Dissemination of Results

Each round of the survey has an identified set of principal investigators who have priority in access to the data for that round. The principal investigators have exclusive right to prepare scientific papers for publication from the data for that survey for a period of six months after the end of the field date.

Six months after completion of data collection, the survey data are made available on an unrestricted basis to the public via the State of the State Survey's website (<http://ippsr.msu.edu/soss/>).

6. Sample Design

The referent population is the non-institutionalized, English-speaking adult population of Michigan age 18 and over. Since the survey was conducted by telephone, only persons who lived in households that had landline telephones or individuals who have a cell phone had a chance of being interviewed.

Sampling. One portion of the sample of interviews is derived from a new random-digit-dial sample of phone numbers in the state, while another portion of the sample of completed interviews (usually 20-40% of the sample) is derived from re-interviews of individuals who had been interviewed two rounds earlier and who had agreed to be re-contacted. Roughly 80-90% of all respondents in each round of SOSS agree to be re-contacted. Re-interviewing individuals who constituted a representative random sample of the state's adults should still constitutes a representative random sample several months later, if adjustments for any non-response are made.

Having a portion of each round of SOSS derived from re-interviews with individuals from a previous round enables a part of the SOSS sample to constitute a panel, so that change can be measured at the individual level from quarter to quarter – a distinct benefit.

Because of the rapidly growing percentage of adults who have opted not to have a landline for their household, but depend instead on their cell phones, SOSS began to include a sample of cell phone users in SOSS 62.

Respondents' households newly enlisted to participate for SOSS 76 in the landline sample were selected using list-assisted random-digit-dial (RDD) sampling procedures. Those being re-interviewed had been sampled and selected in this same manner when they were first recruited to participate in SOSS 74.

Ordinarily, the initial sample of randomly generated telephone numbers (landline or cell phone) is purchased from Survey Sampling, Inc. (SSI). SSI begins the process of generating phone numbers with the list of all working area code and phone number exchange combinations. In the case of this study, the universe was constrained to include only those telephone numbers that are active in the state of Michigan. From within this list of possible phone numbers, SSI eliminates those banks of numbers represented by the 4-digit suffix that are known to be unused or are known to be used only by institutions. Landline and cell phone banks of numbers are separated and sampled independently. To improve the efficiency of the landline calling, this sampling frame is separated into two strata: one comprised of all landline phone numbers that are listed in phone directories, and the other comprised of all landline phone numbers that are not listed in directories but which are members of banks in which at least one phone number is listed. We over-sample phone numbers from the listed stratum.

SSI screens the landline phone numbers generated. The resulting sample is then checked against SSI's database of business phone numbers and checked for known disconnected numbers. Ordinarily, these numbers are removed from the sample and not called.

The cell phone numbers are similarly stratified into those that have recent billing activity (i.e., active) and those that do not (i.e., inactive). Only active phone numbers are called.

For SOSS 76, 16,613 phone numbers were used overall, 564 in the re-contact segment, 4,348 in the new RDD segment, and 11,701 in the new cell phone segment. The working phone number rate was 43.3% overall, 77.0% in the re-contact segment, 45.5% in the new RDD segment, and 40.8% in the new cell phone segment.

Sample Weights. Because of the split-sample approach, we have weighted each segment regarding selection probabilities, and then combined them into a single file. The combined data file is then weighted to be representative of the state as a whole. The details for weighting each segment are provided below.

Because of the stratification (i.e., listed vs. not-listed phone number strata, landline vs. cell phone) and the unequal sampling rates across the strata, it is necessary to use "weights" to correct for unequal probabilities of selection. Weights can also be used to adjust the marginals on selected demographics in the sample to match the corresponding marginals in the adult population of the state to correct for differential response rates.

As indicated above, the initial landline frame was stratified into listed numbers and not-listed numbers in 1+ banks, and then listed numbers were over-sampled. Other information from SSI indicates that 65% of households with phones have listed numbers. An initial weight, listwt, was constructed to adjust representation of listed and unlisted numbers in the data file, so that listed numbers comprised only 65% of all data records.

To construct the remaining weights, characteristics of the population were drawn from 2012-2016 American Community Survey data. To make generalizations about individuals' views and behaviors, it is necessary to ensure that each respondent in a survey sample has an equal probability of selection, or is represented in the data set as having had an equal probability of being selected. However, since households with multiple phone lines have more chances of being selected into the sample than those with only one phone line, this source of unequal chances has to be adjusted for in analyzing the data. Consequently, the SOSS interview included a question asking respondents how many separate phone numbers the household has. In the event of item non-response, the number of phone lines was assumed to be one. Each case was then weighted by the reciprocal of the number of phone numbers, and then adjusted so that the total number of cases matched the actual number of completed interviews. In the data set, this weight is named PHWT.

Similarly, an adult in a two-adult household would have half the chance of being selected to be interviewed as would the only adult in a single-adult household. This, too, requires adjustment to correct for unequal probabilities of selection. The interview included a question as to the number of persons 18 years of age or older living in the household. In the event of item non-response, the household was assumed to have only one adult. Each case was then weighted by the inverse of its probability of selection within the household, i.e., by the number of adults in the household.

In the cell phone segment, respondents were asked whether they also have a landline phone at their household (i.e., an overlapping dual frame design). Respondents were weighted by the reciprocal of the number of landline plus cell phone numbers they have. Furthermore, the cell phone was assumed to belong to the individual rather than the household, so the person answering the phone, if eligible, was the respondent.

These weights were then also adjusted so that the total number of weighted cases matched the actual number of completed interviews. In the data set, this weight is named ADLTWT.

At this point, the separate sample segments (i.e., landline and cell phone) were merged, and the adjustment made so that the proportion of cases that were cell phone-only matched the estimated proportion for Michigan in 2016, based on the most recent National Health Interview Survey estimates.

Non-response adjustments were made subsequently using an iterative proportional fit method (i.e., raking). These adjustments were intended primarily to correct for differential non-response based on age, gender, and race within the adult population of the state. It is common for some groups of individuals to be more difficult to reach, or more likely to refuse to participate, in RDD surveys. For making generalizations about the population from which the sample was drawn, the accuracy of the results can be distorted by these non-response patterns. Consequently, it is common to weight cases in the sample to adjust for non-response. This is accomplished by

weighting each case so that cases of each type appear in the sample proportionately to their representation in the general population.

For the State of the State Survey, cases are weighted so that the proportions of whites, African Americans, and other racial group respondents in the sample matched the proportions each of these groups in the adult population in the state based on the 2012-2016 American Community Survey 5-year estimates. In the data set, this weighting factor is named REGNRACE.

Furthermore, cases were additionally weighted so that the proportion of male cases and female cases falling into each of the following age groups matched the statewide proportions in the 2012-2016 American Community Survey 5-year estimates: 18-29 years old, 30-39, 40-49, 50-59, 60-69, 70-79, and 80 or older. In the data set, this weighting factor is named SEXAGEWT. Since rounding and missing data sometimes result in the weighted number of cases differing slightly from the actual number, SEXAGEWT is adjusted slightly with ADJWT to ensure that the number of cases for each region in the weighted data set is the same as the actual number of interviews completed. Detroit continues to be a separate stratum to this point, but a new variable MSUEREGRN was constructed to fold Detroit proportionately into the Southeast region within that variable. A new weighting variable (MSUEWT) was constructed to represent Detroit proportionately correctly within the southeast MSUEREGRN.

Finally, each case was weighted so that the proportion of cases from each region in the total sample matched the proportion of adults from the corresponding region in the state's population based on the 2012-2016 American Community Survey 5-year estimates. The weighting factor for this post-stratification weighting in the data set is named STATEWT.

Once the sample was weighted by STATEWT, it was compared against the American Community Survey-based distribution of gender, race, and age, and against the regional distribution of Michigan residents 18 and older. A second iteration of weighting was conducted to bring most sample means within 1% of the population values. The final weighting factor is named STATEWT2.

It is important to note that these weight factors were constructed sequentially and build on the earlier steps. Thus, SEXAGEWT weights cases adjusting for the number of phone lines, the number of adults in the household, the landline vs. cell phone proportions, the race category proportions within the state, and the gender x age category proportions within state. STATEWT weights cases by all of those adjustments implied by SEXAGEWT and adjusts the proportions of cases across regions. **For developing statewide results**, the user should use the data weighted by STATEWT2. **For comparing the results among regions** -- if Detroit is to be separate -- the user should use the data weighted by ADJWT2. **To compare directly the original MSUE regions**, the data should be weighted by MSUEWT2.

Regions are defined as follows:

1. Upper Peninsula: Alger, Baraga, Chippewa, Delta, Dickinson, Gogebic, Houghton, Iron, Keweenaw, Luce, Ontonagon, Mackinac, Marquette, Menominee, Schoolcraft

2. Northern Lower Peninsula: Alcona, Alpena, Antrim, Benzie, Charlevoix, Cheboygan, Crawford, Emmet, Grand Traverse, Iosco, Kalkaska, Leelanau, Missaukee, Montmorency, Ogemaw, Oscoda, Otsego, Presque Isle, Roscommon, Wexford
3. West Central: Allegan, Barry, Ionia, Kent, Lake, Manistee, Mason, Mecosta, Montcalm, Muskegon, Newaygo, Oceana, Osceola, Ottawa
4. East Central: Arenac, Bay, Clare, Clinton, Gladwin, Gratiot, Huron, Isabella, Midland, Saginaw, Sanilac, Shiawassee, Tuscola
5. Southwest: Berrien, Branch, Calhoun, Cass, Eaton, Hillsdale, Ingham, Jackson, Kalamazoo, St. Joseph, Van Buren
6. Southeast: Genesee, Lapeer, Lenawee, Livingston, Macomb, Monroe, Oakland, St. Clair, Washtenaw, Wayne [excluding Detroit]
7. Detroit

Sampling Error. The sampling error can be estimated for each region and for the state as a whole at the 95% confidence level as follows:

$$\text{Confidence Interval} = \pm 1.96\sqrt{((P \times Q)/(n-1))}$$

where n is the number of cases within the region or the total sample, P is the proportion of cases giving a particular response, and Q is 1-P. While this may vary from question to question depending on the pattern of answers, the largest margin of error would occur when P is .5 and Q is .5. Therefore, the margins of error for each region and the total statewide sample can be estimated as:

Region	Number of Cases	Margin of Sampling Error	
		SRS*	w/ Design Effects
1. Upper Peninsula	43	± 15.1%	± 15.3%
2. Northern Lower Peninsula	61	± 12.7%	± 13.8%
3. West Central	141	± 8.3%	± 8.9%
4. East Central	83	± 10.8%	± 13.6%
5. Southwest	149	± 8.1%	± 10.3%
6. Southeast	388	± 5.0%	± 6.6%
7. Detroit	83	± 10.8%	± 11.3%
Statewide Total	948	± 3.2%	± 4.0%

Taking the Design Effects from landlines vs. cell phone, listed vs. unlisted, and across regions into account, the overall margin of sampling error statewide is ± 4.0%.

7. Field Procedures

CATI System. Interviews were conducted using the Computer Assisted Telephone Interviewing system (CATI) of IPPSR's Office for Survey Research (OSR). OSR uses the Computer Assisted

Survey Execution System (CASES, version 5.5) software for its CATI system. CASES was developed by the University of California–Berkeley, the U.S. Census Bureau, and the U.S. Department of Agriculture. In a CATI system, the completed interview is scripted and then programmed so that, when executed from a computer workstation, the questions or instructions are presented to the interviewer on the computer screen, in order. The program then indicates what numeric codes or text the interviewer is allowed to enter as responses to each of the questions. When entered, the responses are stored directly into the data set for the study.

The CASES software enables the interview to be fully programmable. The software integrates both closed-ended questions and open-ended questions. The software allows interviewers to record notes along with responses to closed questions. By default, the software moves directly from one item to the next in the sequence, unless specific program commands are inserted to direct the execution path elsewhere. Different skip commands can be associated with separate responses to the same questions. For example, the interview can be directed to a separate battery of follow-up questions if the respondent answers "<1> YES" to a question on smoking cigarettes, and to an entirely different series of questions if the respondent answers "<5> NO." Commands can also be inserted between questions to direct the interview to a particular battery of questions, based on the combination of responses to two or more previously answered questions. These programming features minimize the opportunities for many errors, since inappropriate questions will not be asked and, as a result, appreciably less editing is necessary after the interview.

Interviewers and Interviewer Training. New interviewers received approximately 15 hours of training, including a shift of practice interviewing. Each interviewer trainee received a training manual with instructions on techniques and procedures, copies of all relevant forms, and descriptions of operations. The OSR telephone interviewing training package was developed using "General Interviewing Techniques: A Self-Instructional Workbook for Telephone and Personal Interviewer Training", by P. J. Guenzel, T. R. Berckmans, and C. F. Cannell (1983) of the Survey Research Center, Institute for Social Research, University of Michigan.

Experienced interviewers received approximately two hours of study-specific training to acquaint them with the study protocols, the interview instrument, and the objectives of the various questions. New interviewers were also given this information as a part of their training. Approximately 48 different interviewers were involved in data collection on round 76 of the State of the State Survey.

Field Period and Respondent Selection in Household. Interviewing began on February 6, 2018, and continued through May 19, 2018. Telephone numbers for which a directory listing was available were sent an advance letter roughly one week prior to the time at which an initial call attempt would be made.

In the portion of the sample that involved re-interviewing respondents from the previous SOSS, interviewers asked to speak with that person when they contacted the household. When interviewers successfully contacted a household in the new RDD portion of the sample, the study procedures required them to randomly select an adult from among those residing in the household to be the respondent. The Trohldal-Carter technique was used as the mechanism for choosing a respondent within each household.

Telephone numbers were called across times of the day and days of the week. If no contact had been made with someone at the number after a minimum of nine call attempts, the call schedule for that case was reviewed by a supervisor to see that it had been tried across a variety of time periods. If it had not, the supervisor would re-release the number for additional calling in time periods that had not been tried. If, after additional calls were made, still no contact was made, the number was retired as a non-working number. If the review of the case indicated that it had been tried at various times and days, the supervisor might finalize the case as non-working, or might release it for up to six additional tries. In the case contact was established, the number would continue to be tried until the maximum number of call attempts were made or the interview was completed, the interview was refused, or the case was determined to be ineligible or incapable. The maximum number of calls was 6 for new landline RDD cases, 6 for new cell phone RDD cases, and 12 for landline and cell cases re-contacted from SOSS 74.

If an interview could not be fully completed (i.e., the respondent did not answer all questions), but all questions necessary for weighting had already been answered, the case was considered partially complete and included in the dataset.

The average interview lasted 29.18 minutes (standard deviation= 6.575) with a median of 28 minutes. In the case of an initial refusal, numbers were called back after three days (although this was shortened as the end of the field period neared). Efforts were made to persuade initially reluctant respondents to complete the interview.

Completion Rate. A total of 948 interviews were completed (885 fully complete, 63 partially complete), 100 with landline participants re-contacted from the SOSS 74 survey, 120 with cell participants re-contacted from the SOSS 74 survey, 221 with new landline RDD participants, and 507 with new cell phone RDD participants. The overall completion rate among eligible respondents was 29.7% (26.7% in the new landline RDD segment, 25.2% in the new cell phone RDD segment, and 62.0% in the re-contact segment).

These rates are based on computation and classification coding developed by the advisory team for SOSS. Since then, the American Association of Public Opinion Research has published Standard Definitions as a guide to developing more nearly standard formulas for computing response rates, cooperation rates, refusal rates, and contact rates. Using AAPOR's formula RR4, the response rate for SOSS 76 was 16.7%, the refusal rate (REF2) was 7.5%, the cooperation rate (COOP4) was 68.9%, and the contact rate (CON3) was 74.2%.

Of those completing the interview, the mean number of calls required was 3.26 (4.27 among the re-contact cases, 2.61 among the new landline RDD cases, and 3.09 among the new cell phone RDD cases). Interviewers made a total of 84,303 calls to complete the 948 interviews.

The refusal rate was 7.9%.

8. Documentation Available

The following documentation is available for this survey:

- a. Methodological Report

- b. Questionnaire (included in Methodological Report)
- c. SPSS commands to read the ASCII data set (included in Methodological Report)
- d. SPSS commands for weighting cases (included in Methodological Report)
- e. Weighted Codebook

9. Data Format and Archiving

Data are available in SPSS, STATA, and Excel formats, with weight variables included.

10. CATI Questionnaire (New RDD)

>CONSENT< [loc 0/700][setkey <f5> to <h number>][optionbuttons on hide textbox hide codes]

Before we begin, let me tell you that this interview is completely voluntary. You may choose not to participate and you may end your participation at any time without penalty. Should we come to any question that makes you feel too uncomfortable or you do not want to answer, just let me know and we can go on to the next question.

Information collected for this study will be kept confidential to the extent allowed by local, state and federal law, and no reference will be made in any oral or written report that would link you individually to this study. If you have any questions about this study or would like contact information for the investigators, you can ask me at any time.

This call may be recorded or monitored for quality assurance.

[red]IWER: IF THE RESPONDENT WANTS CONTACT INFORMATION FOR THE PROJECT MANAGER, THE PRINCIPAL INVESTIGATOR, OR THE IRB, THAT INFORMATION IS AVAILABLE IN THE FAQ WHICH CAN BE ACCESSED BY USING 'F4'[n]

<1> [commandbutton <CONSENT READ>]

@

>Tcore1< [allow 4]
>Tcore1start< [allow 4]
>Tcore1stop< [allow 4]

>Tcore2< [allow 4]
>Tcore2start< [allow 4]
>Tcore2stop< [allow 4]

>Tcore3< [allow 4]
>Tcore3start< [allow 4]
>Tcore3stop< [allow 4]

>Tcore4< [allow 4]
>Tcore4start< [allow 4]
>Tcore4stop< [allow 4]

>Twinter1< [allow 4]
>Twinter1start< [allow 4]
>Twinter1stop< [allow 4]

>Twinter2< [allow 4]
>Twinter2start< [allow 4]
>Twinter2stop< [allow 4]

>Twater< [allow 4]
>Twaterstart< [allow 4]
>Twaterstop< [allow 4]

>Tchrt< [allow 4]
>Tchrtstart< [allow 4]
>Tchrtstop< [allow 4]

>ID1< [allow 5][loc 18/1][store csid in ID1]
>R1< [allow 1][preset <1>]
>cnty< [allow 5][inputloc 1/23]
>reg< [allow 1][inputloc 1/29]

- 1 upper pen
- 2 northern
- 3 west central
- 4 east central
- 5 southwest
- 6 southeast
- 7 Detroit

>rand1< [allow 1][inputloc 1/121]

```
>rand2< [allow 1][inputloc 1/122]
>rand3< [allow 1][inputloc 1/123]
>rand4< [allow 1][inputloc 1/124]
>rand5< [allow 1][inputloc 1/125]
>rand6< [allow 1][inputloc 1/126]

>city2< [allow 20][inputloc 1/92]

>listed< [allow 1][inputloc 1/120][call CMD quiet][store <1> in record_on][make CMD from <krc.bat>
< > FN] 1=listed 2=unlisted

>CC1< [settime Tcorelstart]
```

First, I'd like to ask you a few questions about how things are going for Michigan residents in general.

Would you say that you (and your family living with you) are **better off** or **worse off** financially than you were a year ago?

```
<1> BETTER OFF
<3> ABOUT THE SAME (R PROVIDED)
<5> WORSE OFF

<8>[commandbutton <DO NOT KNOW>]
<9>[commandbutton <REFUSED THIS QUESTION>]
```

@

```
>CC2<
```

Now looking ahead, do you think that **a year from now**, you and your family living with you will be **better off** financially or **worse off** financially?

```
<1> BETTER OFF
<3> ABOUT THE SAME (R PROVIDED)
<5> WORSE OFF

<8>[commandbutton <DO NOT KNOW>]
<9>[commandbutton <REFUSED THIS QUESTION>]
```

@

```
>CC3<
```

How would you rate your household's **overall financial** situation these days?

Would you say it is excellent, good, just fair, not so good, or poor?

```
<1> EXCELLENT
<2> GOOD
<3> JUST FAIR
<4> NOT SO GOOD
<5> POOR

<8>[commandbutton <DO NOT KNOW>]
<9>[commandbutton <REFUSED THIS QUESTION>]
```

@

```
>CC4<
```

During the **next twelve months**, do you think the rate of inflation in this country will go up, will go down, or will stay about the same as it was in the **past 12 months**?

[green]IWER: IF R ASKS FOR CLARIFICATION/DEFINITION OF **"INFLATION"** [green] PLEASE RESPOND

"WHATEVER IT MEANS TO YOU"[n]

- <1> GO UP
- <3> GO DOWN
- <5> STAY ABOUT THE SAME

- <8>[commandbutton <DO NOT KNOW>]
- <9>[commandbutton <REFUSED THIS QUESTION>]

@

>CC5<

[bold]Twelve months from now[n], do you expect the unemployment situation in this country to be [bold]better than[n], [bold]worse than[n], or [bold]about the same[n] as it was in the last 12 months?

- <1> BETTER THAN
- <3> WORSE THAN
- <5> ABOUT THE SAME

- <8>[commandbutton <DO NOT KNOW>]
- <9>[commandbutton <REFUSED THIS QUESTION>]

@

>CC6<

Now turning to business conditions in your community, do you think that during the [bold]next twelve months[n] your community will have [bold]good times[n] financially, or [bold]bad times[n] financially?

- <1> GOOD TIMES
- <3> BAD TIMES
- <5> NEITHER GOOD NOR BAD; MEDIOCRE STAY THE SAME (R PROVIDED)

- <8>[commandbutton <DO NOT KNOW>]
- <9>[commandbutton <REFUSED THIS QUESTION>]

@

>A1< [settime Tcorelstop][subtime Tcorelstart from Tcorelstop into Tcorel][settime Twinterlstart]

What would you say is the [bold]most important problem[n] facing your community today?

[red]IWER: DO NOT READ THE RESPONSES; CHOOSE THE RESPONSE THAT BEST FITS THE RESPONDENTS ANSWER - IF A RESPONSE DOES NOT FIT, USE THE OTHER SPECIFY TO ENTER THE TEXT[n]

- <20> JOBS/CREATING JOBS/UNEMPLOYMENT
- <21> ECONOMY/DEVELOPMENT/LOSS BUSINESSES
- <35> TAXES: STATE/FEDERAL

- <14> HOMELESSNESS
- <15> HOUSING/AFFORDABLE HOUSING

- <84> ROADS/ROAD REPAIR/STREET UPKEEP
- <80> WATER/SEWERS

- <1> SCHOOL FINANCE/EDUCATION FUNDING
- <2> EDUCATION QUALITY/IMPROVE EDUCATION

- <44> CRIME: GENERAL
- <43> DRUGS/DRUG DEALERS

- <36> LEADERSHIP: STATE/FEDERAL GOVERNMENT
- <37> CORRUPTION: STATE/FEDERAL LEVEL

<0> [specify][commandbutton <SPECIFY:OTHER>]

<95> [commandbutton <NO PROBLEMS>]

<98> [commandbutton <DO NOT KNOW>]

<99> [commandbutton <REFUSED THIS QUESTION>]

@

>P01< [settime Twinter1stop][subtime Twinter1start from Twinter1stop into Twinter1][settime Tcore2start]

The next couple of questions are about our elected officials.

Overall, how would you rate the way [bold]Donald Trump[n] is performing his job as [bold]President[n]?

Would you say excellent, good, fair, or poor?

<1> EXCELLENT

<2> GOOD

<3> FAIR

<4> POOR

<8> [commandbutton <DO NOT KNOW>]

<9> [commandbutton <REFUSED THIS QUESTION>]

@

>P02<

How would you rate the way [bold]Rick Snyder[n] is performing his job as Michigan's [bold]Governor[n]?

Would you say excellent, good, fair, or poor?

<1> EXCELLENT

<2> GOOD

<3> FAIR

<4> POOR

<8> [commandbutton <DO NOT KNOW>]

<9> [commandbutton <REFUSED THIS QUESTION>]

@

>D10< [settime Tcore2stop][subtime Tcore2start from Tcore2stop into Tcore2][settime Twinter2start]

People have different ideas about how much they can trust government to do what is right. These ideas don't refer to Democrats or Republicans in particular, but just to the government in general. We want to see how you feel about this for each of the levels of government.

How much of the time do you think you can trust the [bold]federal[n] government in [bold]Washington[n] to do what is right -- nearly always or most of the time, some of the time, seldom, or almost never?

<1> NEARLY ALWAYS OR MOST OF THE TIME

<2> SOME OF THE TIME

<3> SELDOM

<4> ALMOST NEVER

<8> [commandbutton <DO NOT KNOW>]

<9> [commandbutton <REFUSED THIS QUESTION>]

@

>D11<

How much of the time do you think you can trust the [bold]state[n] government in [bold]Lansing[n] to do what is right -- nearly always or most of the time, some of the time, seldom, or almost never?

- <1> NEARLY ALWAYS OR MOST OF THE TIME
- <2> SOME OF THE TIME
- <3> SELDOM
- <4> ALMOST NEVER

- <8> [commandbutton <DO NOT KNOW>]
- <9> [commandbutton <REFUSED THIS QUESTION>]

@

>D12<

How much of the time do you think you can trust your [bold]local government[n] to do what is right -- nearly always or most of the time, some of the time, seldom, or almost never?

- <1> NEARLY ALWAYS OR MOST OF THE TIME
- <2> SOME OF THE TIME
- <3> SELDOM
- <4> ALMOST NEVER

- <8> [commandbutton <DO NOT KNOW>]
- <9> [commandbutton <REFUSED THIS QUESTION>]

@

>P4a<

There are many issues that the [bold]governor and legislature[n] (in Lansing) could spend time dealing with this session. Of all the issues they could work on, which issue do you think is the [bold]most important[n] for them to focus on?

[red]IWER: DO NOT READ THE RESPONSES; CHOOSE THE RESPONSE THAT BEST FITS THE RESPONDENTS ANSWER - IF A RESPONSE DOES NOT FIT, USE THE OTHER SPECIFY TO ENTER THE TEXT[n]

[green]IWER: CODE [bold]PLUMBING/DRINKING WATER/ETC[n][green] AS "INFRASTRUCTURE OF CITIES"[n]

- <1> ECONOMY/ECONOMIC GROWTH/STIMULATING THE ECONOMY
- <2> JOBS/CREATING JOBS/UNEMPLOYMENT
- <8> TAXES

- <3> HEALTH CARE/COST OF HEALTH CARE/HEALTH INSURANCE

- <5> EDUCATION/SCHOOL FUNDING
- <27> EDUCATION QUALITY/STANDARDS

- <14> ROADS/HIGHWAYS/BRIDGES REPAIR
- <18> INFRASTRUCTURE OF CITIES (INCLUDES DRINKING WATER/SEWERS)
- <13> ENVIRONMENT

- <4> CRIME/DRUGS/VIOLENCE/SAFETY/PRISONS

- <0> [specify][commandbutton <SPECIFY:OTHER>]

- <95> [commandbutton <NOTHING/EVERYTHING IS FINE>]
- <98> [commandbutton <DO NOT KNOW>]
- <99> [commandbutton <REFUSED THIS QUESTION>]

@

>CD1< [loc 19/1][settime Twinter2stop][subtime Twinter2start from Twinter2stop into Twinter2][settime Tcore3start]

Now, I have some background questions for you.

[green]RECORD PERSONS GENDER AT THIS SCREEN: IF UNSURE USE THIS PROBE:
I need to verify that I am speaking with a (male/female) adult?[n]

- <1> MALE
- <2> FEMALE

@

>CD2<

In what year were you born?

<1910-2000>

- <8>[commandbutton <DO NOT KNOW>]
- <9>[commandbutton <REFUSED THIS QUESTION>]

@

>CD3<

What is the highest level of education you have completed?

- <0> DID NOT GO TO SCHOOL
- <1> 1st GRADE
- <2> 2nd GRADE
- <3> 3rd GRADE
- <4> 4th GRADE
- <5> 5th GRADE
- <6> 6th GRADE
- <7> 7th GRADE
- <8> 8th GRADE
- <9> 9th GRADE
- <10> 10th GRADE
- <11> 11th GRADE

- <12> HIGH SCHOOL GRADUATE OR GED HOLDER

- <13> 1st YEAR COLLEGE
- <14> 2nd YEAR COLLEGE
- <20> TECHNICAL/JUNIOR COLLEGE GRADUATE
- <15> 3rd YEAR COLLEGE
- <16> COLLEGE GRADUATE (FOUR YEARS)
- <17> SOME POST GRADUATE
- <18> GRADUATE DEGREE

- <98>[commandbutton <DO NOT KNOW>]
- <99>[commandbutton <REFUSED THIS QUESTION>]

@

>CD5a<

Are you of Hispanic, Latino, Latina, or Spanish origin?

- <1> YES-HISPANIC/LATINO/SPANISH ORIGIN
- <5> NO-NOT HISPANIC/LATINO/SPANISH ORIGIN

- <8>[commandbutton <DO NOT KNOW>]
- <9>[commandbutton <REFUSED THIS QUESTION>]

@

>CD4< [open @a][open @b][open @c][open @d][open @e][open @f][open @g][open @done]

What is your race?

(Would you say white or Caucasian, African American or black, Hawaiian or other Pacific Islander, Asian, or American Indian or Alaska Native?)

[red]IWER: CHECK ALL THAT APPLY - IF R REFUSES THE QUESTION PLEASE SELECT REFUSED[n]

@a WHITE OR CAUCASIAN
@b AFRICAN AMERICAN OR BLACK
@c HAWAIIAN OR OTHER PACIFIC ISLANDER
@d ASIAN
@e AMERICAN INDIAN OR ALASKA NATIVE
@f OTHER
@g REFUSED

[nodata button <DONE>] @done

[@a][checkbox] <1> YES <5> NO
[@b][checkbox] <1> YES <5> NO
[@c][checkbox] <1> YES <5> NO
[@d][checkbox] <1> YES <5> NO
[@e][checkbox] <1> YES <5> NO
[@f][checkbox] <1> YES <5> NO
[@g][checkbox] <1> YES <5> NO

>CD6<

What is the religious group which you feel most closely represents your religious views?

(Is it Catholic, Islamic, Jewish, Protestant, some other religion, or no religion?)

[green]IWER: IF R SAYS [bold]"CHRISTIAN"[n][green] PLEASE PROBE ONCE WITH
"COULD YOU BE MORE SPECIFIC?" IF RESPONSE IS [bold]"JUST CHRISTIAN"[n][green] CODE
AS "OTHER CHRISTIAN".[n]

[green]IWER: IF R SAYS [bold]"NON-DENOMINATIONAL"[n][green] PLEASE PROBE WITH
"ARE YOU NON-DENOMINATIONAL CHRISTIAN, OR ANOTHER FAITH?"
IF "NON-DENOMINATIONAL CHRISTIAN" CODE AS "OTHER CHRISTIAN"[n]

<0> NONE; NO RELIGIOUS GROUP (include: Atheist, Agnostic)
<1> CATHOLIC; ROMAN CATHOLIC, ORTHODOX
<2> ISLAMIC/MUSLIM
<3> JEWISH
<4> PROTESTANT (include: Baptist, Methodist, Lutheran, Episcopalian, etc)
<5> OTHER NON-CHRISTIAN (include: Unitarian-Universalist, Hindu, Druid)
<6> OTHER CHRISTIAN (include: Jehovah Witness, Mormon, 7th Day Adventist, etc)

<90>[specify][commandbutton <SPECIFY:OTHER>]

<98>[commandbutton <DO NOT KNOW>]

<99>[commandbutton <REFUSED THIS QUESTION>]

@

>CD7<

Generally speaking, do you think of yourself as a Republican, a Democrat, an Independent or something else?

[bold][green]IWER: ANSWER CODING ORDER HAS CHANGED FROM PAST ROUNDS.[n]

<1> REPUBLICAN
<7> DEMOCRAT
<4> INDEPENDENT

<0> ANOTHER PARTY, THIRD PARTY, ETC

<8>[commandbutton <DO NOT KNOW>]
<9>[commandbutton <REFUSED THIS QUESTION>]

@a

[if CD7@a eq <1>]

Would you call yourself a strong Republican or not a very strong Republican?

<1> STRONG REPUBLICAN
<2> NOT A VERY STRONG REPUBLICAN

<8>[commandbutton <DO NOT KNOW>]
<9>[commandbutton <REFUSED THIS QUESTION>]

@b

[endif]

[if CD7@a eq <7>]

Would you call yourself a strong Democrat or not a very strong Democrat?

<7> STRONG DEMOCRAT
<6> NOT A VERY STRONG DEMOCRAT

<8>[commandbutton <DO NOT KNOW>]
<9>[commandbutton <REFUSED THIS QUESTION>]

@c

[endif]

[if CD7@a eq <4> or CD7@a eq <0>]

Do you generally think of yourself as closer to the Democratic Party or the Republican Party?

<3> REPUBLICAN
<4> NEITHER (R PROVIDED)
<5> DEMOCRAT

<8>[commandbutton <DO NOT KNOW>]
<9>[commandbutton <REFUSED THIS QUESTION>]

@d

[endif]

>partyid< [allow 1]

[if CD7@b eq <1>][store <1> in partyid][endif] 1 strong republican
[if CD7@b eq <2>][store <2> in partyid][endif] 2 not strong rep
[if CD7@a eq <8>][store <8> in partyid][endif] 3 lean republican
[if CD7@a eq <9>][store <9> in partyid][endif] 4 neither
[if CD7@c eq <6>][store <6> in partyid][endif] 5 lean democrat
[if CD7@c eq <7>][store <7> in partyid][endif] 6 not strong dem
[if CD7@d eq <3>][store <3> in partyid][endif] 7 strong democrat
[if CD7@d eq <4>][store <4> in partyid][endif]
[if CD7@d eq <5>][store <5> in partyid][endif]
[#if CD7@a eq <0>][#store <0> in partyid][#endif]

>P17<

Generally speaking, do you think of yourself as a conservative, a moderate, or a liberal?

<1> CONSERVATIVE
<4> MODERATE
<7> LIBERAL

<0> OTHER

<8>[commandbutton <DO NOT KNOW>]
<9>[commandbutton <REFUSED THIS QUESTION>]

@a

[if P17@a eq <1>]

Would you consider yourself very conservative or somewhat conservative?

<1> VERY CONSERVATIVE
<2> SOMEWHAT CONSERVATIVE

<8>[commandbutton <DO NOT KNOW>]
<9>[commandbutton <REFUSED THIS QUESTION>]

@b

[endif]
[if P17@a eq <7>]

Would you consider yourself very liberal or somewhat liberal?

<7> VERY LIBERAL
<6> SOMEWHAT LIBERAL

<8>[commandbutton <DO NOT KNOW>]
<9>[commandbutton <REFUSED THIS QUESTION>]

@c

[endif]

[if P17@a eq <4> or P17@a eq <0>]

Do you generally think of yourself as closer to the conservative side or the liberal side?

<3> CLOSER TO THE CONSERVATIVE
<4> IN THE MIDDLE
<5> CLOSER TO THE LIBERAL SIDE

<8>[commandbutton <DO NOT KNOW>]
<9>[commandbutton <REFUSED THIS QUESTION>]

@d

[endif]

>ideology< [allow 1]
[if P17@b eq <1>][store <1> in ideology][endif] 1 very conservative
[if P17@b eq <2>][store <2> in ideology][endif] 2 somewhat conservative
[if P17@a eq <8>][store <8> in ideology][endif] 3 lean conservative
[if P17@a eq <9>][store <9> in ideology][endif] 4 middle
[if P17@c eq <6>][store <6> in ideology][endif] 5 lean liberal
[if P17@c eq <7>][store <7> in ideology][endif] 6 somewhat liberal
[if P17@d eq <3>][store <3> in ideology][endif] 7 very liberal
[if P17@d eq <4>][store <4> in ideology][endif]
[if P17@d eq <5>][store <5> in ideology][endif]

>CD8<

Are you currently married, divorced, separated, widowed, a member of an unmarried couple, or have you never been married?

<1> MARRIED, REMARRIED
<2> DIVORCED
<3> SEPARATED
<4> WIDOWED

<5> MEMBER OF AN UNMARRIED COUPLE
<6> SINGLE, NEVER BEEN MARRIED

<0>[specify][commandbutton <SPECIFY:OTHER>]

<8>[commandbutton <DO NOT KNOW>]
<9>[commandbutton <REFUSED THIS QUESTION>]

@

>married< [allow 1][store <0> in married]
 [if CD8 eq <1>][store <1> in married][endif]
 [if CD8 eq <5>][store <1> in married][endif]

>CD10< [#store adult in CD10][#goto CD11]

Including yourself, how many individuals who are 18 years of age or older live in your household?

<1-13> NUMBER OF ADULTS

<98>[commandbutton <DO NOT KNOW>]
<99>[commandbutton <REFUSED THIS QUESTION>]

@

>CD11<

How many children under the age of 18 currently live in your household?

<0-20> NUMBER OF CHILDREN

<98>[commandbutton <DO NOT KNOW>]
<99>[commandbutton <REFUSED THIS QUESTION>]

@

>CD15<

We are interested in learning about the different ways people may earn their living. Last week, were you working full-time, part-time, going to school, a homemaker, or something else?

[bold][green]IWER: IT IS IMPORTANT TO MAKE EVERY EFFORT TO PRE-CODE RESPONDENT RESPONSE. IF R STATES ANYTHING THAT YOU ARE UNSURE HOW TO CODE SUCH AS 'SELF EMPLOYED, FREELANCE, CONTRACT WORKER' - PROBE WITH "Would you say that is more of a full time or part time job".[n]

<1> WORK FULL TIME
<2> WORK PART TIME

<3> WORK AND GO TO SCHOOL
<4> THE ARMED FORCES
<5> HAVE A JOB, BUT NOT AT WORK LAST WEEK (ON VACATION, SICK LEAVE, ETC)

<6> UNEMPLOYED, LAID OFF, LOOKING FOR WORK
<7> RETIRED

<11> SEMI-RETIRED, RETIRED AND WORKING PART-TIME

<8> SCHOOL FULL TIME
<9> HOMEMAKER
<10> DISABLED

<0> [specify] [commandbutton <SPECIFY:OTHER>]

<98>[commandbutton <DO NOT KNOW>]

<99>[commandbutton <REFUSED THIS QUESTION>]

@

>UN1< [if CD15 ge <6> goto UN2]

Are you [bold]currently[n] a member of a union or are you represented by a union?

<1> [goto UN3]YES

<5> NO

<8>[commandbutton <DO NOT KNOW>]

<9>[commandbutton <REFUSED THIS QUESTION>]

@

>UN2<

Have you [bold]ever[n] been a member of a union or represented by a union?

<1> YES

<5> NO

<8>[commandbutton <DO NOT KNOW>]

<9>[commandbutton <REFUSED THIS QUESTION>]

@

>UN3< [if CD10 eq <1> goto inca]

Is anyone else in your household a member of a union or represented by a union?

<1> YES

<5> NO

<8>[commandbutton <DO NOT KNOW>]

<9>[commandbutton <REFUSED THIS QUESTION>]

@

>inca<

To get a picture of people's financial situations, we'd like to know the general [bold]range of incomes[n] of all households we interview. This is for statistical analysis purposes and your answers will be kept strictly confidential.

Now, thinking about your [bold]household's[n] total annual income from all sources (including your job), did your household receive \$40,000 or more in 2017?

<1>[goto incd] YES

<5>[goto incb] NO

<8> [goto income][commandbutton <DO NOT KNOW>]

<9> [goto income][commandbutton <REFUSED THIS QUESTION>]

@

>incb<

Was it less than \$20,000?

<1> [goto incc] YES

<5> [goto incca] NO

<8> [goto income][commandbutton <DO NOT KNOW>]

<9> [goto income][commandbutton <REFUSED THIS QUESTION>]

@

>incca<

What is less than \$30,000?

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

<8> [goto income][commandbutton <DO NOT KNOW>]
<9> [goto income][commandbutton <REFUSED THIS QUESTION>]
@
```

>incc<

Was it less than \$10,000?

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

<8> [goto income][commandbutton <DO NOT KNOW>]
<9> [goto income][commandbutton <REFUSED THIS QUESTION>]
@
```

>incd<

Was it \$60,000 or more?

```
<1> [goto incg] YES
<5> [goto incf] NO

<8> [goto income][commandbutton <DO NOT KNOW>]
<9> [goto income][commandbutton <REFUSED THIS QUESTION>]
@
```

>incf<

Was it \$50,000 or more?

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

<8> [goto income][commandbutton <DO NOT KNOW>]
<9> [goto income][commandbutton <REFUSED THIS QUESTION>]
@
```

>incg<

Was it more than \$100,000?

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

<8> [goto income][commandbutton <DO NOT KNOW>]
<9> [goto income][commandbutton <REFUSED THIS QUESTION>]
@
```

>inch<

Was it more than \$70,000?

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

<8> [goto income][commandbutton <DO NOT KNOW>]
<9> [goto income][commandbutton <REFUSED THIS QUESTION>]
@
```

>incha<

Was it more than \$90,000?

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

<8> [goto income][commandbutton <DO NOT KNOW>]
<9> [goto income][commandbutton <REFUSED THIS QUESTION>]
@
```

>inci<

Was it more than \$150,000?

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

<8> [goto income][commandbutton <DO NOT KNOW>]
<9> [goto income][commandbutton <REFUSED THIS QUESTION>]
@
```

>income< [allow 2]

>CD26<

How many **different** phone numbers does your household have, not including cell phones?

```
<1-10> NUMBER OF PHONE NUMBERS

<98>[commandbutton <DO NOT KNOW>]
<99>[commandbutton <REFUSED THIS QUESTION>]
```

@

>X1<

Would you say you live in a rural community, a small city or town, a suburb, or an urban community?

```
<1> RURAL COMMUNITY
<2> SMALL CITY OR TOWN, VILLAGE
<3> A SUBURB
<4> URBAN COMMUNITY

<0>[specify][commandbutton <SPECIFY:OTHER>]

<8> [commandbutton <DO NOT KNOW>]
<9> [commandbutton <REFUSED THIS QUESTION>]
```

@

>zipcode< [allow 5]

What is your zip code?

```
[green]IWER: IF R ASKS WHY, PLEASE RESPOND
"We want to know the general area in the State where people live so
that we can compare information from residents in different areas of the state."[n]
```

ZIP CODE - 48000 - 49999

```
<8>[commandbutton <DO NOT KNOW>]
<9>[commandbutton <REFUSED THIS QUESTION>]
```

@

[@] <48000-49999> ZIP CODE

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

[red] (A-E) [n]	[red] (G-L) [n]	[red] (S-W) [n]	[red] (M-R) [n]
<1> ALCONA	<49> GENESEE	<97> MACKINAC	<145> SAGINAW
<3> ALGER	<51> GLADWIN	<99> MACOMB	<147> ST.
CLAIR			
<5> ALLEGAN	<53> GOGEBIC	<101> MANISTEE	<149> ST.
JOSEPH			
<7> ALPENA	<55> GRAND TRAVERSE	<103> MARQUETTE	<151> SANILAC
<9> ANTRIM	<57> GRATIOT	<105> MASON	<153>
SCHOOLCRAFT			
<11> ARENAC	<59> HILLSDALE	<107> MECOSTA	<155>
SHIAWASSEE			
<13> BARAGA	<61> HOUGHTON	<109> MENOMINEE	<157> TUSCOLA
<15> BARRY	<63> HURON	<111> MIDLAND	<159> VAN
BUREN			
<17> BAY	<65> INGHAM	<113> MISSAUKEE	<161>
WASHTENAW			
<19> BENZIE	<67> IONIA	<115> MONROE	<163> WAYNE
<21> BERRIEN	<69> IOSCO	<117> MONTCALM	<165> WEXFORD
<23> BRANCH	<71> IRON	<119> MONTMORENCY	
<25> CALHOUN	<73> ISABELLA	<121> MUSKEGON	
<27> CASS	<75> JACKSON	<123> NEWAYGO	<777> DO NOT
KNOW			
<29> CHARLEVOIX	<77> KALAMAZOO	<125> OAKLAND	<999> REFUSED
<31> CHEBOYGAN	<79> KALKASKA	<127> OCEANA	<0>[specify]
GAVE CITY ONLY			
<33> CHIPPEWA	<81> KENT	<129> OGEMAW	
<35> CLARE	<83> KEWEENAW	<131> ONTONAGON	
<37> CLINTON	<85> LAKE	<133> OSCEOLA	
<39> CRAWFORD	<87> LAPEER	<135> OSCODA	
<41> DELTA	<89> LEELANAU	<137> OTSEGO	
<43> DICKINSON	<91> LENAWEЕ	<139> OTTAWA	
<45> EATON	<93> LIVINGSTON	<141> PRESQUE ISLE	
<47> EMMET	<95> LUCE	<143> ROSCOMMON	@

[@][allow int 3][input format zero fill]

>demo_Detroit< [if demo_county ne <163> goto cellular2]

Do you live in the city of Detroit?

<1> YES [goto demo_cell1]
<2> NO

<8>[commandbutton <DO NOT KNOW>]
<9>[commandbutton <REFUSED THIS QUESTION>]

@

[@][allow int 1]

>cellular2<

In which village, city or township do you reside?

[green]IWER: IF R ASKS WHY, PLEASE RESPOND

"We want to know the general area in the State where people live so that we can compare information from residents in different areas of the state." [n]

<0>[specify][commandbutton <SPECIFY>]

```
<98>[commandbutton <DO NOT KNOW>]
<99>[commandbutton <REFUSED THIS QUESTION>]
```

@

```
>demo_cell1< [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
<2> NO [goto demo_cell_skip]

<8>[commandbutton <DO NOT KNOW>]
<9>[commandbutton <REFUSED THIS QUESTION>]
```

@

```
>demo_cell4< [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?

```
<777> [commandbutton <ZERO, NONE>]

<888>[commandbutton <DO NOT KNOW>]
<999>[commandbutton <REFUSED THIS QUESTION>]

@ PERCENT OF CALLS (1 to 100)

[@][allow int 3][input format zero fill] <1-100>
```

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

```
>water01< [settime Tcore3stop][subtime Tcore3start from Tcore3stop into Tcore3][settime Twaterstart]
```

What is your primary source of drinking water at home?
A city or municipal water system, a private well,
a community well, bottled water, or something else?

```
<3> A CITY OR MUNICIPAL WATER SYSTEM
<1> A PRIVATE WELL
<2> A COMMUNITY WELL SYSTEM
<4> BOTTLED WATER

<0> [specify][commandbutton <SPECIFY:OTHER>]

<8>[commandbutton <DO NOT KNOW>]
<9>[commandbutton <REFUSED THIS QUESTION>]
```

@

```
>water02<
```

Do you currently drink the tap water in your home?

```
<1> YES
<2> NO [goto water04]
<3> YES, BUT I FILTER IT (R VOLUNTEERED)

<8>[commandbutton <DO NOT KNOW>] [goto water04]
<9>[commandbutton <REFUSED THIS QUESTION>] [goto water04]
```

@

>water03a< [if water02 eq <3> goto water03b]

Do you routinely filter your water before drinking it?

<1> YES

<2> NO

<8>[commandbutton <DO NOT KNOW>]

<9>[commandbutton <REFUSED THIS QUESTION>]

@

>water03b< [if water03a ne <1> goto water04]

How long have you been filtering your water?

Would you say 3 years or less, or more than 3 years?

<1> 3 YEARS OR LESS

<2> MORE THAN 3 YEARS

<8>[commandbutton <DO NOT KNOW>]

<9>[commandbutton <REFUSED THIS QUESTION>]

@

>water04<

Do you feel that the water currently coming from the tap in your home is safe to drink?

<1> YES

<2> NO

<8>[commandbutton <DO NOT KNOW>]

<9>[commandbutton <REFUSED THIS QUESTION>]

@

>water05<

Is your current source of home drinking water affordable for you?

<1> YES

<2> NO

<8>[commandbutton <DO NOT KNOW>]

<9>[commandbutton <REFUSED THIS QUESTION>]

@

>water06a<

On a scale of 1 to 5, with 1 being not at all a concern and 5 being very much a concern, please rate how much of a concern you feel each of the following issues is for [bold]drinking water[n] quality in your community.

Fertilizer or nitrates

<1> 1 (NOT AT ALL A CONCERN)

<2> 2

<3> 3

<4> 4

<5> 5 (VERY MUCH A CONCERN)

<8>[commandbutton <DO NOT KNOW>]

<9>[commandbutton <REFUSED THIS QUESTION>]

@

>water06b<

(On a scale of 1 to 5, with 1 being not at all a concern and 5 being very much a concern, please rate how much of a concern you feel each of the following issues is for [bold]drinking water[n] quality in your community.)

Pesticides

- <1> 1 (NOT AT ALL A CONCERN)
- <2> 2
- <3> 3
- <4> 4
- <5> 5 (VERY MUCH A CONCERN)

- <8>[commandbutton <DO NOT KNOW>]
- <9>[commandbutton <REFUSED THIS QUESTION>]

@

>water06c<

(On a scale of 1 to 5, with 1 being not at all a concern and 5 being very much a concern, please rate how much of a concern you feel each of the following issues is for [bold]drinking water[n] quality in your community.)

Bacteria and other pathogens

- <1> 1 (NOT AT ALL A CONCERN)
- <2> 2
- <3> 3
- <4> 4
- <5> 5 (VERY MUCH A CONCERN)

- <8>[commandbutton <DO NOT KNOW>]
- <9>[commandbutton <REFUSED THIS QUESTION>]

@

>water06d<

(On a scale of 1 to 5, with 1 being not at all a concern and 5 being very much a concern, please rate how much of a concern you feel each of the following issues is for [bold]drinking water[n] quality in your community.)

Salt or brine

[green]IWER: IF R ASKS FOR CLARIFICATION/DEFINITION OF [bold]"BRINE"[n][green] PLEASE RESPOND "BRINE IS WATER THAT HAS A VERY LARGE AMOUNT OF SALT IN IT" [n]

- <1> 1 (NOT AT ALL A CONCERN)
- <2> 2
- <3> 3
- <4> 4
- <5> 5 (VERY MUCH A CONCERN)

- <8>[commandbutton <DO NOT KNOW>]
- <9>[commandbutton <REFUSED THIS QUESTION>]

@

>water06e<

(On a scale of 1 to 5, with 1 being not at all a concern and 5 being very much a concern, please rate how much of a concern you feel each of the following issues is for [bold]drinking water[n] quality in your community.)

Harmful algae blooms

[green]IWER: [bold]"ALGAE"[n][green] IS PRONOUNCED "AL-GEE"[n]

- <1> 1 (NOT AT ALL A CONCERN)
- <2> 2
- <3> 3
- <4> 4
- <5> 5 (VERY MUCH A CONCERN)

- <8>[commandbutton <DO NOT KNOW>]
- <9>[commandbutton <REFUSED THIS QUESTION>]

@

>water06f<

(On a scale of 1 to 5, with 1 being not at all a concern and 5 being very much a concern, please rate how much of a concern you feel each of the following issues is for [bold]drinking water[n] quality in your community.)

Gasoline, oil or related by-products from leaking tanks, oil spills, or mining activities such as fracking

[green]IWER: IF R ASKS FOR CLARIFICATION/DEFINITION OF [bold]"FRACKING"[n][green] PLEASE RESPOND

"FRACKING IS THE PROCESS OF DRILLING INTO THE EARTH AND BREAKING UP ROCKS WITH HIGH-PRESSURE LIQUID IN ORDER TO FORCE OIL AND GAS OUT."[n]

- <1> 1 (NOT AT ALL A CONCERN)
- <2> 2
- <3> 3
- <4> 4
- <5> 5 (VERY MUCH A CONCERN)

- <8>[commandbutton <DO NOT KNOW>]
- <9>[commandbutton <REFUSED THIS QUESTION>]

@

>water06g<

(On a scale of 1 to 5, with 1 being not at all a concern and 5 being very much a concern, please rate how much of a concern you feel each of the following issues is for [bold]drinking water[n] quality in your community.)

The condition of water distribution systems or in-house pipes

- <1> 1 (NOT AT ALL A CONCERN)
- <2> 2
- <3> 3
- <4> 4
- <5> 5 (VERY MUCH A CONCERN)

- <8>[commandbutton <DO NOT KNOW>]
- <9>[commandbutton <REFUSED THIS QUESTION>]

@

>water07a<

On a scale of 1 to 5, with 1 being not at all a concern and 5 being very much a concern, please rate how much of a concern you feel each of the following is for the water quality of [bold]lakes, ponds, and rivers[n] in your area for recreational purposes, like swimming, boating and fishing.

Fertilizer or nitrates

- <1> 1 (NOT AT ALL A CONCERN)
 - <2> 2
 - <3> 3
 - <4> 4
 - <5> 5 (VERY MUCH A CONCERN)
- <8>[commandbutton <DO NOT KNOW>]
<9>[commandbutton <REFUSED THIS QUESTION>]

@

>water07b<

(On a scale of 1 to 5, with 1 being not at all a concern and 5 being very much a concern, please rate how much of a concern you feel each of the following is for the water quality of [bold]lakes, ponds, and rivers[n] in your area for recreation purposes, like swimming, boating and fishing.)

Pesticides

- <1> 1 (NOT AT ALL A CONCERN)
 - <2> 2
 - <3> 3
 - <4> 4
 - <5> 5 (VERY MUCH A CONCERN)
- <8>[commandbutton <DO NOT KNOW>]
<9>[commandbutton <REFUSED THIS QUESTION>]

@

>water07c<

(On a scale of 1 to 5, with 1 being not at all a concern and 5 being very much a concern, please rate how much of a concern you feel each of the following is for the water quality of [bold]lakes, ponds, and rivers[n] in your area for recreation purposes, like swimming, boating and fishing.)

Septic systems

- <1> 1 (NOT AT ALL A CONCERN)
 - <2> 2
 - <3> 3
 - <4> 4
 - <5> 5 (VERY MUCH A CONCERN)
- <8>[commandbutton <DO NOT KNOW>]
<9>[commandbutton <REFUSED THIS QUESTION>]

@

>water07d<

(On a scale of 1 to 5, with 1 being not at all a concern and 5 being very much a concern, please rate how much of a concern you feel each of the following is for the water quality of [bold]lakes, ponds, and rivers[n] in your area for recreation purposes, like swimming, boating and fishing.)

Wastewater treatment plants

- <1> 1 (NOT AT ALL A CONCERN)
- <2> 2
- <3> 3
- <4> 4
- <5> 5 (VERY MUCH A CONCERN)

<8>[commandbutton <DO NOT KNOW>]
<9>[commandbutton <REFUSED THIS QUESTION>]

@

>water07e<

(On a scale of 1 to 5, with 1 being not at all a concern and 5 being very much a concern, please rate how much of a concern you feel each of the following is for the water quality of [bold]lakes, ponds, and rivers[n] in your area for recreation purposes, like swimming, boating and fishing.)

Harmful algae blooms

[green]IWER: [bold]"ALGAE"[n][green] IS PRONOUNCED "AL-GEE"[n]

<1> 1 (NOT AT ALL A CONCERN)
<2> 2
<3> 3
<4> 4
<5> 5 (VERY MUCH A CONCERN)

<8>[commandbutton <DO NOT KNOW>]
<9>[commandbutton <REFUSED THIS QUESTION>]

@

>water08a<

On a scale of 1 to 5, with 1 being not at all a contributor and 5 being a major contributor, please rate how much you believe each source contributes to pollution of lakes, ponds, and rivers in your area.

Crop production agriculture

<1> 1 (NOT AT ALL A CONTRIBUTOR)
<2> 2
<3> 3
<4> 4
<5> 5 (MAJOR CONTRIBUTOR)

<8>[commandbutton <DO NOT KNOW>]
<9>[commandbutton <REFUSED THIS QUESTION>]

@

>water08b<

(On a scale of 1 to 5, with 1 being not at all a contributor and 5 being a major contributor, please rate how much you believe each source contributes to pollution of lakes, ponds, and rivers in your area.)

Livestock and poultry agriculture

<1> 1 (NOT AT ALL A CONTRIBUTOR)
<2> 2
<3> 3
<4> 4
<5> 5 (MAJOR CONTRIBUTOR)

<8>[commandbutton <DO NOT KNOW>]
<9>[commandbutton <REFUSED THIS QUESTION>]

@

>water08c<

(On a scale of 1 to 5, with 1 being not at all a contributor and 5 being a major contributor, please rate how much you believe each source contributes to pollution of lakes, ponds, and rivers in your area.)

Industry

- <1> 1 (NOT AT ALL A CONTRIBUTOR)
- <2> 2
- <3> 3
- <4> 4
- <5> 5 (MAJOR CONTRIBUTOR)

- <8>[commandbutton <DO NOT KNOW>]
- <9>[commandbutton <REFUSED THIS QUESTION>]

@

>water08d<

(On a scale of 1 to 5, with 1 being not at all a contributor and 5 being a major contributor, please rate how much you believe each source contributes to pollution of lakes, ponds, and rivers in your area.)

Lawns and golf courses

- <1> 1 (NOT AT ALL A CONTRIBUTOR)
- <2> 2
- <3> 3
- <4> 4
- <5> 5 (MAJOR CONTRIBUTOR)

- <8>[commandbutton <DO NOT KNOW>]
- <9>[commandbutton <REFUSED THIS QUESTION>]

@

>water09a<

On a scale of 1 to 5, with 1 being not at all important and 5 being very important, how important are each of the following water issues to you?

Having enough water for agriculture

- <1> 1 (NOT AT ALL IMPORTANT)
- <2> 2
- <3> 3
- <4> 4
- <5> 5 (VERY IMPORTANT)

- <8>[commandbutton <DO NOT KNOW>]
- <9>[commandbutton <REFUSED THIS QUESTION>]

@

>water09b<

(On a scale of 1 to 5, with 1 being not at all important and 5 being very important, how important are each of the following water issues to you?)

Having enough water for commerce and industry

- <1> 1 (NOT AT ALL IMPORTANT)
- <2> 2
- <3> 3
- <4> 4

<5> 5 (VERY IMPORTANT)

<8>[commandbutton <DO NOT KNOW>]

<9>[commandbutton <REFUSED THIS QUESTION>]

@

>water09c<

(On a scale of 1 to 5, with 1 being not at all important and 5 being very important, how important are each of the following water issues to you?)

Having enough water and habitat for wild animals like fish and ducks

<1> 1 (NOT AT ALL IMPORTANT)

<2> 2

<3> 3

<4> 4

<5> 5 (VERY IMPORTANT)

<8>[commandbutton <DO NOT KNOW>]

<9>[commandbutton <REFUSED THIS QUESTION>]

@

>water09d<

(On a scale of 1 to 5, with 1 being not at all important and 5 being very important, how important are each of the following water issues to you?)

Having enough water for boating, and swimming

<1> 1 (NOT AT ALL IMPORTANT)

<2> 2

<3> 3

<4> 4

<5> 5 (VERY IMPORTANT)

<8>[commandbutton <DO NOT KNOW>]

<9>[commandbutton <REFUSED THIS QUESTION>]

@

>water10<

In your opinion, does the environment receive the right amount of emphasis from state government and elected officials, too much emphasis, or too little emphasis?

<1> RIGHT AMOUNT OF EMPHASIS

<2> TOO MUCH EMPHASIS

<3> TOO LITTLE EMPHASIS

<8>[commandbutton <DO NOT KNOW>]

<9>[commandbutton <REFUSED THIS QUESTION>]

@

>water11<

From the following list, please tell me which should be most responsible for protecting and ensuring drinking water quality in your community:

The federal government, state government, local government, or individual citizens.

<1> FEDERAL GOVERNMENT

<2> STATE GOVERNMENT

<3> LOCAL GOVERNMENT
<4> INDIVIDUAL CITIZENS

<8>[commandbutton <DO NOT KNOW>]
<9>[commandbutton <REFUSED THIS QUESTION>]

@

>water12a<

Please tell me whether you have ever taken the following actions related to water quality, quantity, or access concerns, in Michigan or elsewhere.

Signed a petition

<1> YES
<2> NO

<8>[commandbutton <DO NOT KNOW>]
<9>[commandbutton <REFUSED THIS QUESTION>]

@

>water12b<

(Please tell me whether you have ever taken the following actions related to water quality, quantity, or access concerns, in Michigan or elsewhere.)

Attended a public meeting or hearing

<1> YES
<2> NO

<8>[commandbutton <DO NOT KNOW>]
<9>[commandbutton <REFUSED THIS QUESTION>]

@

>water12c< [if water01 ne <3> goto water12d]

(Please tell me whether you have ever taken the following actions related to water quality, quantity, or access concerns, in Michigan or elsewhere.)

Looked up water quality reports for your city or municipal water system

<1> YES
<2> NO
<3> DO NOT HAVE MUNICIPAL WATER SYSTEM (R VOLUNTEERED)

<8>[commandbutton <DO NOT KNOW>]
<9>[commandbutton <REFUSED THIS QUESTION>]

@

>water12d< [if water01 gt <3> goto water12e]

(Please tell me whether you have ever taken the following actions related to water quality, quantity, or access concerns, in Michigan or elsewhere.)

Had your well water tested

<1> YES
<2> NO
<3> DO NOT HAVE WELL (R VOLUNTEERED)

<8>[commandbutton <DO NOT KNOW>]

<9>[commandbutton <REFUSED THIS QUESTION>]

@

>water12<

(Please tell me whether you have ever taken the following actions related to water quality, quantity, or access concerns, in Michigan or elsewhere.)

Changed your drinking water source

<1> YES

<2> NO

<8>[commandbutton <DO NOT KNOW>]

<9>[commandbutton <REFUSED THIS QUESTION>]

@

>water13<

Do you or a member of your immediate family work in farming at least part-time?

<1> YES

<2> NO

<8>[commandbutton <DO NOT KNOW>]

<9>[commandbutton <REFUSED THIS QUESTION>]

@

>water14<

Is your residence connected to the Flint water system?

<1> YES

<2> NO

<8>[commandbutton <DO NOT KNOW>]

<9>[commandbutton <REFUSED THIS QUESTION>]

@

>chrt1< [settime Twaterstop][subtime Twaterstart from Twaterstop into Twater][settime Tchrtstart]

Next, I have some questions about health care and health insurance.

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

<8>[commandbutton <DO NOT KNOW>]

<9>[commandbutton <REFUSED THIS QUESTION>]

@

>chrt2<

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

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?

<98>[commandbutton <DO NOT KNOW>]
<99>[commandbutton <REFUSED THIS QUESTION>]

@ DAYS (0-30)

[@]<0-30><98><99>

>chrt103<

In the past 12 months, have you had symptoms of pain that limited your life or work activities?

<1> YES
<2> NO [goto chrt105]

<8>[commandbutton <DO NOT KNOW>] [goto chrt105]
<9>[commandbutton <REFUSED THIS QUESTION>] [goto chrt105]

@

>chrt104<

In the past 12 months, how often would you say pain limited your life or work activities? Would you say some days, most days, or every day?

<1> NEVER (R VOLUNTEERED)
<2> SOME DAYS
<3> MOST DAYS
<4> EVERY DAY

<8>[commandbutton <DO NOT KNOW>]
<9>[commandbutton <REFUSED THIS QUESTION>]

@

>chrt105<

In the past 12 months, have you been prescribed pain relievers? Please do not include "over-the-counter" pain relievers such as aspirin, Tylenol, Advil, or Aleve.

<1> YES
<2> NO [goto chrt107]

<8>[commandbutton <DO NOT KNOW>] [goto chrt107]
<9>[commandbutton <REFUSED THIS QUESTION>] [goto chrt107]

@

>chrt106<

For what reason were you prescribed pain relievers? If you have been prescribed pain relievers on more than one occasion in the past 12 months, tell me the reason for your most recent prescription.

[red]IWER: FIELD CODE RESPONSE - THIS MEANS DO NOT READ THE RESPONSES BUT CHOOSE THE RESPONSE THAT BEST FITS THE RESPONDENTS ANSWER - IF A RESPONSE DOES NOT FIT, USE THE OTHER SPECIFY TO ENTER THE TEXT[n]

<1> BACK/NECK PAIN
<2> OTHER PAIN
<3> INJURY
<4> SURGERY
<5> DENTAL WORK OR ORAL/MOUTH SURGERY (INCLUDE ROOT CANAL, CROWN, ETC.)

<0> [specify][commandbutton <SPECIFY:OTHER>]

<98>[commandbutton <DO NOT KNOW>]
<99>[commandbutton <REFUSED THIS QUESTION>]

@

>chrt107<

In the past 12 months, have you used any prescription pain reliever
in any way a doctor did not direct you to use it?

<1> YES
<2> NO

<8>[commandbutton <DO NOT KNOW>]
<9>[commandbutton <REFUSED THIS QUESTION>]

@

>chrt3<

Have you ever been told by a doctor, nurse, or other health professional that you
have any of the following health conditions:

Coronary artery disease or heart disease?

<1> YES
<2> NO

<8>[commandbutton <DO NOT KNOW>]
<9>[commandbutton <REFUSED THIS QUESTION>]

@

>chrt4<

(Have you [bold]ever[n] been told by a doctor, nurse, or other health professional
that you have any of the following health conditions:)

Hypertension or high blood pressure?

<1> YES
<2> NO

<8>[commandbutton <DO NOT KNOW>]
<9>[commandbutton <REFUSED THIS QUESTION>]

@

>chrt6<

(Have you [bold]ever[n] been told by a doctor, nurse, or other health professional
that you have any of the following health conditions:)

COPD, Asthma, emphysema, or any other lung disease?

[green]IWER: IF R ASKS FOR DEFINITION OF [bold]"COPD"[n][green] PLEASE RESPOND "COPD STANDS
FOR CHRONIC OBSTRUCTIVE PULMONARY DISEASE[n]

<1> YES
<2> NO

<8>[commandbutton <DO NOT KNOW>]
<9>[commandbutton <REFUSED THIS QUESTION>]

@

>chrt5<

(Have you [bold]ever[n] been told by a doctor, nurse, or other health professional that you have any of the following health conditions:)

Diabetes?

<1> YES
<2> NO

<8>[commandbutton <DO NOT KNOW>]
<9>[commandbutton <REFUSED THIS QUESTION>]

@

>chrt7<

Has a doctor or other healthcare provider ever told you that you have a depressive disorder, including depression, major depression, dysthymia, or minor depression?

[green]IWER: [bold]"DYSTHYMIA"[n][green] IS PRONOUNCED "DISS-THYE-ME-UH"[n]

<1> YES
<2> NO

<8>[commandbutton <DO NOT KNOW>]
<9>[commandbutton <REFUSED THIS QUESTION>]

@

>chrt8<

Has a doctor or other healthcare provider ever told you that you have an anxiety disorder, including acute stress disorder, anxiety, generalized anxiety disorder, obsessive-compulsive disorder, panic attacks, panic disorder, phobia, post-traumatic stress disorder, or social anxiety disorder?

<1> YES
<2> NO

<8>[commandbutton <DO NOT KNOW>]
<9>[commandbutton <REFUSED THIS QUESTION>]

@

>chrt115a<

In the past 12 months, have you or the other family members covered by your plan used the following services?

Doctor visits for preventive and wellness services

<1> YES
<2> NO

<8>[commandbutton <DO NOT KNOW>]
<9>[commandbutton <REFUSED THIS QUESTION>]

@

>chrt115b<

(In the past 12 months, have you or the other family members covered by your plan used the following services?)

Inpatient care or hospitalization, or care after being admitted to a

hospital or staying overnight

<1> YES
<2> NO

<8>[commandbutton <DO NOT KNOW>]
<9>[commandbutton <REFUSED THIS QUESTION>]

@

>chrt115c<

(In the past 12 months, have you or the other family members covered by your plan used the following services?)

Maternity or newborn care

<1> YES
<2> NO

<8>[commandbutton <DO NOT KNOW>]
<9>[commandbutton <REFUSED THIS QUESTION>]

@

>chrt115d<

(In the past 12 months, have you or the other family members covered by your plan used the following services?)

Mental health or substance use disorder services

<1> YES
<2> NO

<8>[commandbutton <DO NOT KNOW>]
<9>[commandbutton <REFUSED THIS QUESTION>]

@

>chrt115e<

(In the past 12 months, have you or the other family members covered by your plan used the following services?)

Prescription drugs

<1> YES
<2> NO

<8>[commandbutton <DO NOT KNOW>]
<9>[commandbutton <REFUSED THIS QUESTION>]

@

>chrt115f<

(In the past 12 months, have you or the other family members covered by your plan used the following services?)

Pediatric services

<1> YES
<2> NO

<8>[commandbutton <DO NOT KNOW>]
<9>[commandbutton <REFUSED THIS QUESTION>]

@

>chrt115g<

(In the past 12 months, have you or the other family members covered by your plan used the following services?)

Oral or dental care

<1> YES
<2> NO

<8>[commandbutton <DO NOT KNOW>]
<9>[commandbutton <REFUSED THIS QUESTION>]

@

>chrt115h<

(In the past 12 months, have you or the other family members covered by your plan used the following services?)

Vision care

<1> YES
<2> NO

<8>[commandbutton <DO NOT KNOW>]
<9>[commandbutton <REFUSED THIS QUESTION>]

@

>chrt115i<

(In the past 12 months, have you or the other family members covered by your plan used the following services?)

Contraceptive, birth control, or family planning services

<1> YES
<2> NO [goto chrt14]

<8>[commandbutton <DO NOT KNOW>]
<9>[commandbutton <REFUSED THIS QUESTION>]

@

>chrt116< [if chrt115i ne <1> goto chrt14]

To which of the following places did you or your family members go to most often for contraceptive, birth control, or family planning services? A doctor or OB/GYN, a community health clinic, Planned Parenthood, a student health center, or some other place?

<1> DOCTOR (INCLUDE FAMILY DOCTOR, PHYSICIAN, OB/GYN, GP, ETC.)
<2> COMMUNITY HEALTH CLINIC
<3> PLANNED PARENTHOOD
<4> STUDENT HEALTH CLINIC
<0> SOME OTHER PLACE

<8>[commandbutton <DO NOT KNOW>]
<9>[commandbutton <REFUSED THIS QUESTION>]

@

>chrt117<

Thinking about getting contraceptive, birth control, or family planning services, how easy or difficult is it for you or your family members to get appointments for prescriptions, refills, or consultations?

Would you say very easy, somewhat easy, somewhat difficult, or very difficult?

- <1> VERY EASY
- <2> SOMEWHAT EASY
- <3> NEITHER EASY NOR DIFFICULT (R VOLUNTEERED)
- <4> SOMEWHAT DIFFICULT
- <5> VERY DIFFICULT

- <7> HAVE NOT HAD TO ARRANGE ROUTINE CARE (R VOLUNTEERED)

- <8>[commandbutton <DO NOT KNOW>]
- <9>[commandbutton <REFUSED THIS QUESTION>]

@

>chrt118<

In the past 12 months, has insurance or another program covered the full cost of your or your family member's contraceptives or birth control?

- <1> YES
- <2> NO

- <8>[commandbutton <DO NOT KNOW>]
- <9>[commandbutton <REFUSED THIS QUESTION>]

@

>chrt14<

Do you have health insurance coverage from any source, including Medicare, Medicaid, private insurance from your employer or union, coverage from another family member, or individually purchased coverage?

[red]IWER: HMOs, HMOS, GOVERNMENT PLANS (MEDICARE, MEDICAID), HEALTHY MICHIGAN, 'OBAMACARE,' AND INDIAN HEALTH SERVICE SHOULD BE CODED AS 'YES'.[n]

[green]IWER: IF R ASKS FOR DEFINITION OF [bold]"HEALTH INSURANCE COVERAGE"[n][green], RESPOND 'Health insurance includes prepaid plans such as HMOs, government plans such as Medicare, Medicaid, Healthy Michigan, 'Obamacare,' and the Indian Health Service.'"[n]

- <1> YES
- <2> NO

- <8>[commandbutton <DO NOT KNOW>]
- <9>[commandbutton <REFUSED THIS QUESTION>]

@

>chrt15< [if chrt14 eq <2> goto chrt51][if chrt14 ge <8> goto chrt18]

Does your primary or main health care coverage come from Medicare, Medicaid, Healthy Michigan, another government health insurance program, from a plan provided through your or your spouse's employer or union, or from an individually purchased plan?

[green]IWER: IF R SAYS [bold]"OBAMACARE"[n][green] SAY 'DID YOU PURCHASE IT ON THE MARKETPLACE, AT HEALTHCARE.GOV, OR IS IT MEDICAID OR HEALTHY MICHIGAN?'. USE 'OTHER' FOR UNKNOWN

AND WRITE 'OBAMACARE - UNKNOWN' AS SPECIFY TEXT[n]

<1> MEDICARE (Usually insurance for elderly, retirees)
<2> MEDICAID (Usually insurance for poor, disabled, etc.)
<3> HEALTHY MICHIGAN
<4> BOTH MEDICARE AND MEDICAID - DUAL ELIGIBLE
<10> MEDICARE/MEDICAID PLUS SUPPLEMENT/OTHER INSURANCE
<5> ANOTHER GOVERNMENT INSURANCE (CHAMPUS, Military, etc.)
<6> EMPLOYER OR UNION (R or family member - include any 'brand' insurance
i.e. Blue Cross, Messa, PHP Priority Health; also include 'my parents plan')
<7> INDIVIDUALLY PURCHASED PLAN

<71> INSURANCE MARKETPLACE/HEALTHCARE.GOV (R VOLUNTEERED)
<72> INDIVIDUALLY PURCHASED DIRECTLY FROM HEALTH PLAN (R VOLUNTEERED)

<8> UNINSURED
<0> [specify][commandbutton <SPECIFY:OTHER>]

<98>[commandbutton <DO NOT KNOW>]
<99>[commandbutton <REFUSED THIS QUESTION>]

@

>chrt16< [if chrt15 lt <7> goto chrt32a][if chrt15 gt <7> and chrt15 lt <71> goto chrt32a][if
chrt15 gt <72> goto chrt32a]

Did you purchase your plan through the marketplace or directly from a health plan?

<1> MARKEPLACE
<2> DIRECTLY FROM HEALTH PLAN

<8>[commandbutton <DO NOT KNOW>]
<9>[commandbutton <REFUSED THIS QUESTION>]

@

>chrt119<

Did you have assistance with enrollment?

<1> YES
<2> NO

<8>[commandbutton <DO NOT KNOW>]
<9>[commandbutton <REFUSED THIS QUESTION>]

@

>chrt32a< [if chrt14 ne <1> goto chrt33]

How important were the following considerations when making your decision of what
insurance plan to purchase? For each, tell me whether it was very important,
somewhat important, or not important.

How many physicians you have to choose from

<1> VERY IMPORTANT
<2> SOMEWHAT IMPORTANT
<3> NOT IMPORTANT

<8>[commandbutton <DO NOT KNOW>]
<9>[commandbutton <REFUSED THIS QUESTION>]

@

>chrt32b<

(How important were the following considerations when making your decision of what insurance plan to purchase? For each, tell me whether it was very important, somewhat important, or not important.)

Costs of the premium

[green]IWER: IF R ASKS FOR DEFINITION OF [bold]"PREMIUM"[n][green], RESPOND "THE AMOUNT THAT MUST BE PAID FOR YOUR HEALTH INSURANCE OR PLAN. YOU AND/OR YOUR EMPLOYER USUALLY PAY IT MONTHLY, QUARTERLY OR YEARLY."[n]

<1> VERY IMPORTANT

<2> SOMEWHAT IMPORTANT

<3> NOT IMPORTANT

<8>[commandbutton <DO NOT KNOW>]

<9>[commandbutton <REFUSED THIS QUESTION>]

@

>chrt32c<

(How important were the following considerations when making your decision of what insurance plan to purchase? For each, tell me whether it was very important, somewhat important, or not important.)

Costs of the deductible

[green]IWER: IF R ASKS FOR DEFINITION OF [bold]"DEDUCTIBLE"[n][green], RESPOND "THE AMOUNT YOU OWE FOR HEALTH CARE SERVICES YOUR HEALTH INSURANCE OR PLAN COVERS BEFORE YOUR HEALTH INSURANCE OR PLAN BEGINS TO PAY."[n]

<1> VERY IMPORTANT

<2> SOMEWHAT IMPORTANT

<3> NOT IMPORTANT

<8>[commandbutton <DO NOT KNOW>]

<9>[commandbutton <REFUSED THIS QUESTION>]

@

>chrt32d<

(How important were the following considerations when making your decision of what insurance plan to purchase? For each, tell me whether it was very important, somewhat important, or not important.)

Costs of the co-pays

[green]IWER: IF R ASKS FOR DEFINITION OF [bold]CO-PAY[n][green], RESPOND "A FIXED AMOUNT (FOR EXAMPLE, \$15) YOU PAY FOR A COVERED HEALTH CARE SERVICE, USUALLY WHEN YOU GET THE SERVICE."[N]

<1> VERY IMPORTANT

<2> SOMEWHAT IMPORTANT

<3> NOT IMPORTANT

<8>[commandbutton <DO NOT KNOW>]

<9>[commandbutton <REFUSED THIS QUESTION>]

@

>chrt32e<

(How important were the following considerations when making your decision of what insurance plan to purchase? For each, tell me whether it was very important, somewhat important, or not important.)

Costs of the co-insurance

[green]IWER: IF R ASKS FOR DEFINITION OF [bold]CO-INSURANCE[n][green], RESPOND "YOUR SHARE OF THE COSTS OF A COVERED HEALTH CARE SERVICE, CALCULATED AS A PERCENT (FOR EXAMPLE, 20%) OF THE ALLOWED AMOUNT FOR THE SERVICE." [n]

<1> VERY IMPORTANT

<2> SOMEWHAT IMPORTANT

<3> NOT IMPORTANT

<8>[commandbutton <DO NOT KNOW>]

<9>[commandbutton <REFUSED THIS QUESTION>]

@

>chrt120f<

(How important were the following considerations when making your decision of what insurance plan to purchase? For each, tell me whether it was very important, somewhat important, or not important.)

Your or your family's current doctors being in-network

[green]IWER: IF R ASKS FOR DEFINITION OF [bold]IN-NETWORK[n][green], RESPOND "A DOCTOR THAT IS IN-NETWORK MEANS THAT THAT PROVIDER ACCEPTS YOUR HEALTH INSURANCE PLAN." [n]

<1> VERY IMPORTANT

<2> SOMEWHAT IMPORTANT

<3> NOT IMPORTANT

<8>[commandbutton <DO NOT KNOW>]

<9>[commandbutton <REFUSED THIS QUESTION>]

@

>chrt120g<

(How important were the following considerations when making your decision of what insurance plan to purchase? For each, tell me whether it was very important, somewhat important, or not important.)

The federal government's requirement to purchase insurance

<1> VERY IMPORTANT

<2> SOMEWHAT IMPORTANT

<3> NOT IMPORTANT

<8>[commandbutton <DO NOT KNOW>]

<9>[commandbutton <REFUSED THIS QUESTION>]

@

>chrt51< [if chrt14 ne <2> goto chrt18]

What is the main reason you do not have health insurance?

[red]IWER: FIELD CODE RESPONSE - THIS MEANS DO NOT READ THE RESPONSES BUT CHOOSE THE RESPONSE THAT BEST FITS THE RESPONDENTS ANSWER - IF A RESPONSE DOES NOT FIT, USE THE OTHER SPECIFY TO ENTER THE TEXT [n]

<1> IN GOOD HEALTH/DON'T NEED

<2> GET CHEAPER CARE WITHOUT INSURANCE

<3> COST/CANNOT AFFORD/MONEY

<4> WAITING FOR EMPLOYER TO OFFER IT

<5> DIDN'T THINK ABOUT/CONSIDER IT

<6> DON'T KNOW ENOUGH ABOUT IT TO BUY MY OWN

<7> LOST JOB/SPOUSE LOST JOB WITH COVERAGE

<8> EMPLOYER DROPPED COVERAGE
<9> EMPLOYER/SPOUSE'S EMPLOYER DOES NOT OFFER OR CHARGES TOO MUCH
<10> BECAME INELIGIBLE - LOST STATE OR EMPLOYER COVERAGE
<11> NOT ELIGIBLE DUE TO IMMIGRATION STATUS/WORRIES ABOUT IMMIGRATION STATUS

<0> [specify][commandbutton <SPECIFY:OTHER>]

<98>[commandbutton <DO NOT KNOW>]
<99>[commandbutton <REFUSED THIS QUESTION>]

@

>chrt18<

In the past 12 months, was there any time when you did not have any health insurance or coverage?

<1> YES
<2> NO [goto chrt20]

<8>[commandbutton <DO NOT KNOW>] [goto chrt20]
<9>[commandbutton <REFUSED THIS QUESTION>] [goto chrt20]

@

>chrt19< [if chrt14 eq <1> and chrt18 ne <1> goto chrt20]

For how many months were you uninsured during the last year?

<1-12> MONTHS

<98>[commandbutton <DO NOT KNOW>]
<99>[commandbutton <REFUSED THIS QUESTION>]

@

>chrt20<

What source of coverage did you have 12 months ago? Were you uninsured or did your coverage come from Medicare, Medicaid, another government health insurance program, from a plan provided through your or your spouse's employer or union, or from an individually purchased plan?

<1> MEDICARE (Usually insurance for elderly, retirees)
<2> MEDICAID (Usually insurance for poor, disabled, etc.)
<3> HEALTHY MICHIGAN
<4> BOTH MEDICARE AND MEDICAID - DUAL ELIGIBLE
<10> MEDICARE/MEDICAID PLUS SUPPLEMENT/OTHER INSURANCE
<5> ANOTHER GOVERNMENT INSURANCE (CHAMPUS, Military, etc.)
<6> EMPLOYER OR UNION (R or family member - include any 'brand' insurance i.e. Blue Cross, Messa, PHP Priority Health; also include 'my parents plan')
<7> INDIVIDUALLY PURCHASED PLAN
<11> RETIREMENT BENEFITS

<71> INSURANCE MARKETPLACE/HEALTHCARE.GOV (R VOLUNTEERED)
<72> INDIVIDUALLY PURCHASED DIRECTLY FROM HEALTH PLAN (R VOLUNTEERED)

<8> UNINSURED
<0> [specify][commandbutton <SPECIFY:OTHER>]
<98>[commandbutton <DO NOT KNOW>]
<99>[commandbutton <REFUSED THIS QUESTION>]

@

>chrt52< [if chrt20 lt <7> goto chrt53][if chrt20 gt <7> and chrt20 lt <71> goto chrt53][if chrt20 gt <72> goto chrt53]

Did you purchase the plan you had 12 months ago through the marketplace or directly from a health plan?

- <1> MARKEPLACE
- <2> DIRECTLY FROM HEALTH PLAN

- <8>[commandbutton <DO NOT KNOW>]
- <9>[commandbutton <REFUSED THIS QUESTION>]

@

>chrt53< [if chrt14 eq <2> goto chrt21]

Did you switch insurance plans in the past year?

- <1> YES
- <2> NO

- <8>[commandbutton <DO NOT KNOW>]
- <9>[commandbutton <REFUSED THIS QUESTION>]

@

>chrt54< [if chrt53 ne <1> goto chrt21]

Why did you switch plans?

[red]IWER: FIELD CODE RESPONSE - THIS MEANS DO NOT READ THE RESPONSES BUT CHOOSE THE RESPONSE THAT BEST FITS THE RESPONDENTS ANSWER - IF A RESPONSE DOES NOT FIT, USE THE OTHER SPECIFY TO ENTER THE TEXT[n]

- <1> R OR SPOUSE CHANGED JOB
- <2> COST/TOO EXPENSIVE
- <3> ELIGIBILITY FOR PUBLIC INSURANCE CHANGED
- <4> COVERAGE/LIMITS TOO RESTRICTIVE
- <5> NOT ENOUGH PROVIDERS IN NETWORK/DOCTOR NOT IN NETWORK/HOSPITAL NOT IN NETWORK
- <6> UNHAPPY WITH SERVICE/ADMINISTRATIVE REASONS
- <7> CHANGED BASED ON RECOMMENDATION FROM MY DOCTOR

- <0> [specify][commandbutton <SPECIFY:OTHER>]
- <98>[commandbutton <DO NOT KNOW>]
- <99>[commandbutton <REFUSED THIS QUESTION>]

@

>chrt54b< [if chrt54 ne <2> goto chrt21][open @a][open @b][open @c][open @d][open @x][open @y][open @done]

What about your old health insurance was too expensive?
Was it the premium, co-pays, deductible, or something else?

[red]IWER: CHECK ALL THAT APPLY - IF R REFUSES THE QUESTION PLEASE SELECT DONE[n]

[green]IWER: IF R ASKS FOR DEFINITION OF [bold]PREMIUM[n][green], RESPOND "THE AMOUNT THAT MUST BE PAID FOR YOUR HEALTH INSURANCE OR PLAN. YOU AND/OR YOUR EMPLOYER USUALLY PAY IT MONTHLY, QUARTERLY OR YEARLY." [n]

[green]IWER: IF R ASKS FOR DEFITION OF [bold]CO-PAY[n][green], RESPOND "A FIXED AMOUNT (FOR EXAMPLE, \$15) YOU PAY FOR A COVERED HEALTH CARE SERVICE, USUALLY WHEN YOU GET THE SERVICE." [N]

[green]IWER: IF R ASKS FOR DEFITION OF [bold]CO-INSURANCE[n][green], RESPOND "YOUR SHARE OF THE COSTS OF A COVERED HEALTH CARE SERVICE, CALCULATED AS A PERCENT (FOR EXAMPLE, 20%) OF THE ALLOWED AMOUNT FOR THE SERVICE." [n]

[green]IWER: IF R ASKS FOR DEFINITION OF [bold]DEDUCTIBLE[n][green], RESPOND "THE AMOUNT YOU OWE FOR HEALTH CARE SERVICES YOUR HEALTH INSURANCE OR PLAN COVERS BEFORE

YOUR HEALTH INSURANCE OR PLAN BEGINS TO PAY."[n]

@a PREMIUM
@b CO-PAY
@c CO-INSURANCE
@d DEDUCTIBLE
@x OTHER: SPECIFY

@y DO NOT KNOW

[nodata button <DONE>] @done

[@a][checkbox] <1> YES <5> NO
[@b][checkbox] <1> YES <5> NO
[@c][checkbox] <1> YES <5> NO
[@d][checkbox] <1> YES <5> NO
[@x][checkbox] <1> YES[specify] <5> NO
[@y][checkbox] <1> YES <5> NO

>chrt21< [if chrt14 ne <1> goto chrt24]

Now thinking about your current health insurance coverage, how would you rate it?

Would you say it is excellent, very good, good, fair, or poor?

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

<8>[commandbutton <DO NOT KNOW>]
<9>[commandbutton <REFUSED THIS QUESTION>]

@

>chrt22<

In regard to your health insurance or health care coverage, how does it compare to 12 months ago? Is it better, worse, or about the same?

<1> BETTER
<2> WORSE
<3> ABOUT THE SAME

<8>[commandbutton <DO NOT KNOW>]
<9>[commandbutton <REFUSED THIS QUESTION>]

@

>chrt23<

Compared to 12 months ago, considering all that you pay for your or your family's health care coverage, including things like premiums, co-pays, and deductibles, has what you pay increased, decreased, or stayed the same?

<1> INCREASED
<2> DECREASED
<3> STAYED THE SAME

<8>[commandbutton <DO NOT KNOW>]
<9>[commandbutton <REFUSED THIS QUESTION>]

@

>chrt24<

During the last 12 months, were there times when you had problems paying or were unable to pay for medical bills?

<1> YES

<2> NO

<8>[commandbutton <DO NOT KNOW>]

<9>[commandbutton <REFUSED THIS QUESTION>]

@

>chrt135<

Throughout 2017, several different proposals were aimed at changing health insurance coverage under the Affordable Care Act, also called Obamacare. How closely did you follow the proposed policy changes? Would you say very closely, somewhat closely, not too closely, or not at all?

<1> VERY CLOSELY

<2> SOMEWHAT CLOSELY

<3> NOT TOO CLOSELY

<4> NOT AT ALL

<8>[commandbutton <DO NOT KNOW>]

<9>[commandbutton <REFUSED THIS QUESTION>]

@

>chrt133a< [if chrt14 ne <1> goto chrt25]

Thinking about your current health care coverage over the next 12 months, how concerned are you about the following? Please rate each on a scale from 1 to 10, with 1 being not at all concerned and 10 being extremely concerned.

Premium costs will increase

<1-10>

<98>[commandbutton <DO NOT KNOW>]

<99>[commandbutton <REFUSED THIS QUESTION>]

@

>chrt133b<

(Thinking about your current health care coverage over the next 12 months, how concerned are you about the following? Please rate each on a scale from 1 to 10, with 1 being not at all concerned and 10 being extremely concerned.)

Out-of-pocket costs will increase

<1-10>

<98>[commandbutton <DO NOT KNOW>]

<99>[commandbutton <REFUSED THIS QUESTION>]

@

>chrt133c<

(Thinking about your current health care coverage over the next 12 months, how concerned are you about the following? Please rate each on a scale from 1 to 10, with 1 being not at all concerned and 10 being extremely concerned.)

Choice of doctors will be more limited

<1-10>

<98>[commandbutton <DO NOT KNOW>]
<99>[commandbutton <REFUSED THIS QUESTION>]

@

>chrt133d<

(Thinking about your current health care coverage over the next 12 months, how concerned are you about the following? Please rate each on a scale from 1 to 10, with 1 being not at all concerned and 10 being extremely concerned.)

Types of covered services will be reduced or more limited

<1-10>

<98>[commandbutton <DO NOT KNOW>]
<99>[commandbutton <REFUSED THIS QUESTION>]

@

>chrt133e<

(Thinking about your current health care coverage over the next 12 months, how concerned are you about the following? Please rate each on a scale from 1 to 10, with 1 being not at all concerned and 10 being extremely concerned.)

There will be more health plan rules and barriers to getting services covered

<1-10>

<98>[commandbutton <DO NOT KNOW>]
<99>[commandbutton <REFUSED THIS QUESTION>]

@

>chrt133f<

(Thinking about your current health care coverage over the next 12 months, how concerned are you about the following? Please rate each on a scale from 1 to 10, with 1 being not at all concerned and 10 being extremely concerned.)

Choice of health plans will be more limited

<1-10>

<98>[commandbutton <DO NOT KNOW>]
<99>[commandbutton <REFUSED THIS QUESTION>]

@

>chrt133g<

(Thinking about your current health care coverage over the next 12 months, how concerned are you about the following? Please rate each on a scale from 1 to 10, with 1 being not at all concerned and 10 being extremely concerned.)

Coverage will be lost entirely

<1-10>

<98>[commandbutton <DO NOT KNOW>]
<99>[commandbutton <REFUSED THIS QUESTION>]

@

>chrt134<

If you could change one thing about your health plan, what would it be?

[red]IWER: FIELD CODE RESPONSE - THIS MEANS DO NOT READ THE RESPONSES BUT CHOOSE THE RESPONSE THAT BEST FITS THE RESPONDENTS ANSWER - IF A RESPONSE DOES NOT FIT, USE THE OTHER SPECIFY TO ENTER THE TEXT[n]

[green]IWER: IF R SAYS [bold]"COST"[n][green] OR [bold]"PRICE"[n][green] PROBE WITH "If you had to choose between changing the cost of the premium, copay, co-insurance, or deductible, which would you choose?"[n]

- <1> PREMIUM COST
- <2> COPAY/COINSURANCE COST
- <3> DEDUCTIBLE COST
- <4> DOCTORS/HOSPITALS IN THE NETWORK
- <5> COVERAGE
- <6> RESTRICTIONS FROM HEALTH PLAN (PRE-APPROVAL, ETC.)
- <7> EXPANSION OF HEALTH SAVINGS ACCOUNTS

<0> [specify][commandbutton <SPECIFY:OTHER>]

<98>[commandbutton <DO NOT KNOW>]

<99>[commandbutton <REFUSED THIS QUESTION>]

@

>chrt25<

Do you have a personal or family doctor, or other health care professional such as a nurse, that you usually rely on if you need medical care?

<1> YES

<2> NO

<8>[commandbutton <DO NOT KNOW>]

<9>[commandbutton <REFUSED THIS QUESTION>]

@

>chrt26<

When you are sick or need advice about your health, to which one of the following places do you usually go?

Would you say a doctor's office, a public health clinic or community health center, a hospital outpatient department, a hospital emergency room, an urgent care center, a retail or walk-in clinic, or some other kind of place?

<1> DOCTOR'S OFFICE (include: CHIROPRACTOR)

<2> A PUBLIC HEALTH CLINIC OR COMMUNITY HEALTH CENTER

<3> A HOSPITAL OUTPATIENT DEPARTMENT

<4> A HOSPITAL EMERGENCY ROOM

<5> AN URGENT CARE CLINIC

<6> FAMILY MEMBER/FRIENDS

<7> HERBALIST, HOLISTIC MEDICAL PERSON, ETC.

<8> INTERNET, PRINTED MATERIAL, ETC.

<9> RETAIL OR WALK-IN CLINIC (CLINIC IN GROCERY STORE, PHARMACY, ETC.)

<20> DEPENDS

<0> OTHER SINGLE RESPONSE: SPECIFY [specify]

<10> MULTIPLE RESPONSES: SPECIFY ALL MENTIONED [specify]

<98>[commandbutton <DO NOT KNOW>]

<99>[commandbutton <REFUSED THIS QUESTION>]

@

>chrt27<

Thinking about getting primary care, how easy or difficult is it for you to get appointments for routine primary care such as annual physicals, tests or other routine treatments?

Would you say very easy, somewhat easy, somewhat difficult, or very difficult?

- <1> VERY EASY
- <2> SOMEWHAT EASY
- <3> NEITHER EASY NOR DIFFICULT (R VOLUNTEERED)
- <4> SOMEWHAT DIFFICULT
- <5> VERY DIFFICULT

- <7> HAVE NOT HAD TO ARRANGE ROUTINE CARE (R VOLUNTEERED)

- <8>[commandbutton <DO NOT KNOW>]
- <9>[commandbutton <REFUSED THIS QUESTION>]

@

>chrt29<

Thinking about getting specialty care or seeing a specialist, how easy or difficult is it for you to get appointments with specialists?

(Would you say very easy, somewhat easy, somewhat difficult, or very difficult?)

- <1> VERY EASY
- <2> SOMEWHAT EASY
- <3> NEITHER EASY NOR DIFFICULT (R VOLUNTEERED)
- <4> SOMEWHAT DIFFICULT
- <5> VERY DIFFICULT

- <7> HAVE NOT HAD TO ARRANGE SPECIALTY CARE (R VOLUNTEERED)

- <8>[commandbutton <DO NOT KNOW>]
- <9>[commandbutton <REFUSED THIS QUESTION>]

@

>chrt139<

Thinking about getting mental health and substance abuse care or seeing a mental health or substance abuse professional, how easy or difficult is it for you to get appointments?

(Would you say very easy, somewhat easy, somewhat difficult, or very difficult?)

- <1> VERY EASY
- <2> SOMEWHAT EASY
- <3> NEITHER EASY NOR DIFFICULT (R VOLUNTEERED)
- <4> SOMEWHAT DIFFICULT
- <5> VERY DIFFICULT

- <7> HAVE NOT HAD TO ARRANGE MENTAL HEALTH CARE (R VOLUNTEERED)

- <8>[commandbutton <DO NOT KNOW>]
- <9>[commandbutton <REFUSED THIS QUESTION>]

@

>chrt140<

Thinking about getting dental care or seeing a dentist, how

easy or difficult is it for you to get appointments?

(Would you say very easy, somewhat easy, somewhat difficult, or very difficult?)

- <1> VERY EASY
- <2> SOMEWHAT EASY
- <3> NEITHER EASY NOR DIFFICULT (R VOLUNTEERED)
- <4> SOMEWHAT DIFFICULT
- <5> VERY DIFFICULT

- <7> HAVE NOT HAD TO ARRANGE MENTAL HEALTH CARE (R VOLUNTEERED)

- <8>[commandbutton <DO NOT KNOW>]
- <9>[commandbutton <REFUSED THIS QUESTION>]

@

>chrt30<

In the past six months, were there any times that you did not seek medical care even when you needed it or thought you should get it?

- <1> YES
- <2> NO [goto chrt55]

- <8>[commandbutton <DO NOT KNOW>] [goto chrt32a]
- <9>[commandbutton <REFUSED THIS QUESTION>] [goto chrt32a]

@

>chrt31<

Why didn't you get medical care?

[red]IWER: FIELD CODE RESPONSE - THIS MEANS DO NOT READ THE RESPONSES BUT CHOOSE THE RESPONSE THAT BEST FITS THE RESPONDENTS ANSWER - IF A RESPONSE DOES NOT FIT, USE THE OTHER SPECIFY TO ENTER THE TEXT[n]

[green]PROBE FOR R's HEALTH INSURANCE COVERAGE STATUS TO DETERMINE BETWEEN CATEGORIES '1' & '2'[n]

- <1> COST/COULD NOT AFFORD CARE/MONEY
- <2> NO HEALTH INSURANCE/TOO EXPENSIVE TO USE HEALTH INSURANCE: HIGH CO-PAYS, DEDUCTIBLES, ETC.
- <3> DOCTOR/PROVIDER WOULD NOT ACCEPT MY INSURANCE
- <4> DON'T LIKE DOCTORS/DON'T TRUST DOCTORS/FEAR
- <5> THOUGHT WOULD GET BETTER ON OWN/PROBLEM NOT SEVERE
- <6> DON'T BELIEVE IN DOCTORS/BELIEVE IN SELF HEALING
- <7> TRANSPORTATION ISSUES
- <8> DON'T HAVE DOCTOR/CLINIC/ETC.
- <10> TIME/TOO BUSY
- <11> DIDN'T FEEL LIKE GOING

- <0> [specify][commandbutton <SPECIFY:OTHER>]

- <98>[commandbutton <DO NOT KNOW>]
- <99>[commandbutton <REFUSED THIS QUESTION>]

@

>chrt55<

During the past 12 months, was there any time when you thought about seeking counseling or treatment for a mental health or substance use concern for yourself but didn't get it?

- <1> YES

<2> NO

<8>[commandbutton <DO NOT KNOW>]

<9>[commandbutton <REFUSED THIS QUESTION>]

@

>chrt56< [if chrt55 ne <1> goto chrt33]

What was the main reason you did not get the mental health or substance use counseling or treatment you needed?

[red]IWER: FIELD CODE RESPONSE - THIS MEANS DO NOT READ THE RESPONSES BUT CHOOSE THE RESPONSE THAT BEST FITS THE RESPONDENTS ANSWER - IF A RESPONSE DOES NOT FIT, USE THE OTHER SPECIFY TO ENTER THE TEXT[n]

<1> COST/COULD NOT AFFORD CARE/MONEY

<2> FEAR NEIGHBORS/COMMUNITY FINDING OUT/JUDGING

<3> FEAR NEGATIVE EFFECT ON JOB

<4> HEALTH INSURANCE DOESN'T COVER ANY/ENOUGH MENTAL HEALTH TREATMENT

<5> DIDN'T KNOW WHERE TO GO/WHAT DOCTOR TO SEE

<6> FEAR COUNSELOR WON'T KEEP DISCUSSIONS CONFIDENTIAL

<7> FEAR BEING PUT ON MEDICATION OR COMMITTED TO HOSPITAL

<8> DIDN'T THINK TREATMENT WOULD HELP/COULD HANDLE WITHOUT TREATMENT

<9> DIDN'T HAVE TIME

<10> TRANSPORTATION/LOCATION ISSUES

<11> NOT READY TO GET TREATMENT OR STOP USING/FEAR IMPACT ON RELATIONSHIPS OR SOCIAL LIFE

<12> NO OPENINGS IN PROGRAM

<0> [specify][commandbutton <SPECIFY:OTHER>]

<98>[commandbutton <DO NOT KNOW>]

<99>[commandbutton <REFUSED THIS QUESTION>]

@

>chrt33<

In the last 12 months, did you have to change your doctor or health care provider that you go to for regular medical care?

<1> YES

<2> NO [goto chrt35]

<8>[commandbutton <DO NOT KNOW>] [goto chrt35]

<9>[commandbutton <REFUSED THIS QUESTION>] [goto chrt35]

@

>chrt34<

Was this change related to health insurance?

<1> YES

<2> NO

<8>[commandbutton <DO NOT KNOW>]

<9>[commandbutton <REFUSED THIS QUESTION>]

@

>chrt35<

In the last 12 months, did you have to change a doctor or health care provider that you go to for specialty care?

<1> YES

<2> NO [goto chrt37]
<8>[commandbutton <DO NOT KNOW>] [goto chrt37]
<9>[commandbutton <REFUSED THIS QUESTION>] [goto chrt37]

@

>chrt36<

Was this change related to health insurance?

<1> YES
<2> NO

<8>[commandbutton <DO NOT KNOW>]
<9>[commandbutton <REFUSED THIS QUESTION>]

@

>chrt37< [if chrt14 ne <1> or chrt19 eq <12> goto chrt151a]

In the past 12 months, have you been told by a primary care doctor or other primary health care provider that they do not accept your current insurance or are not taking new patients covered by your current insurance?

<1> YES
<2> NO

<8>[commandbutton <DO NOT KNOW>]
<9>[commandbutton <REFUSED THIS QUESTION>]

@

>chrt38<

In the past 12 months, have you been told by a specialist's office that they do not accept your current insurance or are not taking new patients covered by your current insurance?

<1> YES
<2> NO

<8>[commandbutton <DO NOT KNOW>]
<9>[commandbutton <REFUSED THIS QUESTION>]

@

>chrt151a< [if chrt105 eq <1> goto chrt151b]

In the past 12 months, have you been prescribed a medication?

[red]IWER: THERE ARE MULTIPLE VERSIONS OF THIS QUESTION WITH DIFFERENT ANSWER OPTIONS AND ORDER; PLEASE READ CAREFULLY[n]

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

<8>[commandbutton <DO NOT KNOW>] [goto chrt153]
<9>[commandbutton <REFUSED THIS QUESTION>] [goto chrt153]

@

>chrt151b< [if chrt105 ne <1> goto chrt152a]

In the past 12 months, have you been prescribed a medication, other than the pain relievers you mentioned earlier?

[red]IWER: THERE ARE MULTIPLE VERSIONS OF THIS QUESTION WITH DIFFERENT ANSWER OPTIONS AND ORDER; PLEASE READ CAREFULLY[n]

<1> YES

<2> NO

<8>[commandbutton <DO NOT KNOW>]

<9>[commandbutton <REFUSED THIS QUESTION>]

@

>chrt152a< [if chrt105 eq <1> goto chrt152b]

How many different prescription medications do you take regularly?

<0-97> PRESCRIPTIONS

<98>[commandbutton <DO NOT KNOW>]

<99>[commandbutton <REFUSED THIS QUESTION>]

@

>chrt152b< [if chrt105 eq <2> goto chrt153]

How many different prescription medications, including pain killers, do you take regularly?

<0-97> PRESCRIPTIONS

<98>[commandbutton <DO NOT KNOW>]

<99>[commandbutton <REFUSED THIS QUESTION>]

@

>chrt153<

During the last 12 months, were there times when you had problems paying or were unable to pay for a prescription medication?

<1> YES

<2> NO [goto pre_RI]

<8>[commandbutton <DO NOT KNOW>] [goto pre_RI]

<9>[commandbutton <REFUSED THIS QUESTION>] [goto pre_RI]

@

>chrt154<

What did you do?

(What did you do when you had problems paying for or were unable to pay for a prescription medication?)

[red]IWER: FIELD CODE RESPONSE - THIS MEANS DO NOT READ THE RESPONSES BUT CHOOSE THE RESPONSE THAT BEST FITS THE RESPONDENTS ANSWER - IF A RESPONSE DOES NOT FIT, USE THE OTHER SPECIFY TO ENTER THE TEXT[n]

<1> PURCHASED ANYWAY

<2> PURCHASED ANYWAY, BUT ALTERED DOSE (SPLITTING PILLS, TAKING LESS OFTEN, ETC.)

<3> BORROWED MONEY FROM A FAMILY MEMBER OR FRIEND

<4> ASKED DOCTOR FOR DIFFERENT MEDICATION/TREATMENT

<5> WENT OUTSIDE THE U.S. TO GET MEDICATION

<6> DID NOT GET THE MEDICATION

<0> [specify][commandbutton <SPECIFY:OTHER>]

```

    <98>[commandbutton <DO NOT KNOW>]
    <99>[commandbutton <REFUSED THIS QUESTION>]

@

>pre_RI< [settime Tchartstop][subtime Tchartstart from Tchartstop into Tchart][settime Tcore4start]
>pre_RI2<
>RI< [loc 23/1][optionbuttons on hide textbox hide codes]

    Thank you for answering our questions.

    In a couple of months, we'd like to re-contact some of the people we've spoken
    with for another interview either over the phone or on the web. Would you
    be willing to participate again in a couple of months?

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

    <8>[commandbutton <DO NOT KNOW>][goto out]
    <9>[commandbutton <REFUSED THIS QUESTION>][goto out]

@

>RIa<

    Do you have an email address so that we may contact you to do the survey online
    instead of by phone?

    Your email address will be kept confidential and will only be used for research
    purposes.

    <1> YES
    <3> NO, DO NOT WANT TO GIVE EMAIL ADDRESS OUT[goto rname]
    <5> NO, HAVE NO EMAIL[goto rname]

    <8>[commandbutton <DO NOT KNOW>][goto rname]
    <9>[commandbutton <REFUSED THIS QUESTION>][goto rname]

@

>email< [optionbuttons on hide codes]

    What is your email address?

        EMAIL ADDRESS: @

    [@][allow 40]

>rname<

    Can I get your first name so we know who to ask for when we re-contact you?

        FIRST NAME: @

    [@][allow 20]

>out< [settime Tcore4stop][subtime Tcore4start from Tcore4stop into Tcore4]

>contacts< [loc 24/1][allow 2][store TCNT in contacts]
>length<[allow 4][store TTIM in length]
>idate< [allow 8][store IDAT in idate]
>iwer< [allow int 3][store INVW in iwer]
>males< [allow int 2][store male in males]
>females< [allow int 2][store female in females]
>final< [allow 2][store FNL in final]

```

```
[goto MOD7]
```

```
>sexp< [allow 6]  
  [if isex eq <1>][store <MALE> in sexp][endif]  
  [if isex eq <2>][store <FEMALE> in sexp][endif]  
  [goto T120]
```

```
>end<
```

12. SPSS Data Import Syntax (New RDD)

```

* Encoding: windows-1252.
/* SPSS Data Definition File
/* Created by ddltox on Jun 08, 2018 (Fri 10:17 AM EDT)
/* DDL source file: "soss76wt.ddl".

```

```

TITLE "Michigan State of the State 76".
COMMENT DDL indicates that dataset record length (reclen) is 80 columns.

```

```

DATA LIST fixed records=7
FILE="" /* Replace 'x' with full path name of your input data file.
/1 CASEID 1-5 (A) ID1 1-5 (A) R1 6
cnty 7-11 regn 12 rand1 13 (A)
rand2 14 (A) rand3 15 (A) rand4 16 (A)
rand5 17 (A) rand6 18 (A) city2 19-38 (A)
listed 39 CC1 40 CC2 41
CC3 42 CC4 43 CC5 44
CC6 45 A1 46-47 PO1 48
PO2 49 D10 50 D11 51
D12 52 P4a 53-54
/2 CD1 1 CD2 2-5 CD3 6-7
CD5a 8 CD4@a 9 CD4@b 10
CD4@c 11 CD4@d 12 CD4@e 13
CD4@f 14 CD4@g 15 CD6 16-17
CD7@a 18 CD7@b 19 CD7@c 20
CD7@d 21 partyid 22 P17@a 23
P17@b 24 P17@c 25 P17@d 26
ideology 27 CD8 28 married 29 (A)
CD10 30-31 CD11 32-33 CD15 34-35
UN1 36 UN2 37 UN3 38
inca 39 incb 40 incca 41
incc 42 incd 43 inccf 44
incg 45 inch 46 incha 47
inci 48 income 49-50 CD26 51-52
X1 53 zipcode 54-58 demo_county 59-61
demo_Detroit 62 cellular2 63-64 demo_cell1 65
demo_cell4 66-68 water01 69 water02 70
water03a 71 water03b 72 water04 73
water05 74 water06a 75 water06b 76
water06c 77 water06d 78 water06e 79
water06f 80
/3 water06g 1 water07a 2 water07b 3
water07c 4 water07d 5 water07e 6
water08a 7 water08b 8 water08c 9
water08d 10 water09a 11 water09b 12
water09c 13 water09d 14 water10 15
water11 16 water12a 17 water12b 18
water12c 19 water12d 20 water12e 21
water13 22 water14 23 chrt1 24
chrt2 25-26 chrt103 27 chrt104 28
chrt105 29 chrt106 30-31 chrt107 32
chrt3 33 chrt4 34 chrt6 35
chrt5 36 chrt7 37 chrt8 38
chrt115a 39 chrt115b 40 chrt115c 41
chrt115d 42 chrt115e 43 chrt115f 44
chrt115g 45 chrt115h 46 chrt115i 47
chrt116 48 chrt117 49 chrt118 50
chrt14 51 chrt15 52-53 chrt16 54
chrt119 55 chrt32a 56 chrt32b 57
chrt32c 58 chrt32d 59 chrt32e 60
chrt120f 61 chrt120g 62 chrt51 63-64
chrt18 65 chrt19 66-67 chrt20 68-69
chrt52 70 chrt53 71 chrt54 72-73
chrt54b@a 74 chrt54b@b 75 chrt54b@c 76
chrt54b@d 77 chrt54b@x 78 chrt54b@y 79
chrt21 80
/4 chrt22 1 chrt23 2 chrt24 3
chrt135 4 chrt133a 5-6 chrt133b 7-8

```

	chrt133c 9-10	chrt133d 11-12	chrt133e 13-14
	chrt133f 15-16	chrt133g 17-18	chrt134 19-20
	chrt25 21	chrt26 22-23	chrt27 24
	chrt29 25	chrt139 26	chrt140 27
	chrt30 28	chrt31 29-30	chrt55 31
	chrt56 32-33	chrt33 34	chrt34 35
	chrt35 36	chrt36 37	chrt37 38
	chrt38 39	chrt151a 40	chrt151b 41
	chrt152a 42-43	chrt152b 44-45	chrt153 46
	chrt154 47-48		
/6	RI 1	RIa 2	email 3-42 (A)
	rname 43-62 (A)		
/7	contacts 1-2	length 3-6	idate 7-14
	iwer 15-17	males 18-19	females 20-21
	final 22-23	rac3 43	agecat 44
	adjwt2 46-52 (4)	msueregn 54	msuewt2 56-62 (4)
	statewt2 64-70 (4)	rac3 71	AGE 72-73
	imprace 74	NewIncome 75-76	source 77
	educat4 78		

VARIABLE LABELS

CASEID 'case identification number' /
 ID1 'Case ID' /
 R1 'Data Record' /
 cnty 'County' /
 regn 'Region' /
 rand1 'Random 1' /
 rand2 'Random 2' /
 rand3 'Random 3' /
 rand4 'Random 4' /
 rand5 'Random 5' /
 rand6 'Random 6' /
 city2 'City' /
 listed 'Sample' /
 CC1 'Confidence: Past Financial' /
 CC2 'Confidence: Future Financial' /
 CC3 'Confidence: Current Financial' /
 CC4 'Confidence: Inflation Rate' /
 CC5 'Confidence: Unemployment Situation' /
 CC6 'Confidence: Business Conditions' /
 A1 'Most Important Problem Community' /
 PO1 'Politics: Trump Rating' /
 PO2 'Politics: Snyder Rating' /
 D10 'Trust Government: Federal' /
 D11 'Trust Government: State' /
 D12 'Trust Government: Local' /
 P4a 'Michigan Government Priority' /
 CD1 'Demographic: Sex' /
 CD2 'Demographic: Year of Birth' /
 CD3 'Demographic: Education' /
 CD5a 'Demographic: Ethnicity' /
 CD4@a 'Race: White/Caucasian' /
 CD4@b 'Race: African American or Black' /
 CD4@c 'Race: Hawaiian or other Pacific Islander' /
 CD4@d 'Race: Asian' /
 CD4@e 'Race: American Indian or Alaska Native' /
 CD4@f 'Race: Other' /
 CD4@g 'Race: Refused' /
 CD6 'Demographic: Religious Background' /
 CD7@a 'Political: Party ID' /
 CD7@b 'Political: Party ~ Republican' /
 CD7@c 'Political: Party ~ Democrat' /
 CD7@d 'Political: Party ~ Independent' /
 partyid 'Political: Party ~ Lean' /
 P17@a 'Political: Ideology' /
 P17@b 'Political: Ideology ~ Conservative' /

Pl7@c 'Political: Ideology ~ Liberal' /
 Pl7@d 'Political: Ideology ~ Middle/Neither' /
 ideology 'Political: Ideology ~ Lean' /
 CD8 'Demographic: Marital Status' /
 married 'Demographic: Married' /
 CD10 'Household: Adults' /
 CD11 'Household: Children' /
 CD15 'Employment' /
 UN1 'Employment: Union Member' /
 UN2 'Employment: Ever Union Member' /
 UN3 'Employment: Union Family' /
 inca 'Income: Above \$40,000' /
 incb 'Income: Below \$20,000' /
 incca 'Income: Below \$30,000' /
 incc 'Income: Below \$10,000' /
 incd 'Income: Above \$60,000' /
 incf 'Income: Above \$50,000' /
 incg 'Income: Above \$100,000' /
 inch 'Income: Above \$70,000' /
 incha 'Income: Above \$90,000' /
 inci 'Income: Above \$150,000' /
 income 'Income' /
 CD26 'Household: Phone Lines' /
 X1 'Location: Community Type' /
 zipcode 'Location: ZIP Code' /
 demo_county 'Location: County' /
 demo_Detroit 'Location: Detroit' /
 cellular2 'Location: City' /
 demo_cell11 'Cell Phone' /
 demo_cell14 'Cell Phone: Calls' /
 water01 'Water: Primary Source' /
 water02 'Water: Tap' /
 water03a 'Water: Filter' /
 water03b 'Water: Filter Time' /
 water04 'Water: Tap Safe' /
 water05 'Water: Affordable' /
 water06a 'Comm Water Concern: Fertilizer' /
 water06b 'Comm Water Concern: Pesticides' /
 water06c 'Comm Water Concern: Bacteria' /
 water06d 'Comm Water Concern: Salt' /
 water06e 'Comm Water Concern: Algae' /
 water06f 'Comm Water Concern: Fracking' /
 water06g 'Comm Water Concern: Pipes' /
 water07a 'Rec Water Concern: Fertilizer' /
 water07b 'Rec Water Concern: Pesticides' /
 water07c 'Rec Water Concern: Septic Systems' /
 water07d 'Rec Water Concern: Wastewater Treatment' /
 water07e 'Rec Water Concern: Algae' /
 water08a 'Water Pollution: Crops' /
 water08b 'Water Pollution: Livestock' /
 water08c 'Water Pollution: Industry' /
 water08d 'Water Pollution: Lawns and Golf' /
 water09a 'Water Importance: Agriculture' /
 water09b 'Water Importance: Commerce' /
 water09c 'Water Importance: Wildlife' /
 water09d 'Water Importance: Recreation' /
 water10 'Water Emphasis' /
 water11 'Water Responsibility' /
 water12a 'Water Action: Signed Petition' /
 water12b 'Water Action: Attended Meeting' /
 water12c 'Water Action: Looked Up Quality' /
 water12d 'Water Action: Tested Well' /
 water12e 'Water Action: Changed Source' /
 water13 'Water: Farming' /
 water14 'Water: Flint' /
 chrt1 'Health: General' /
 chrt2 'Health: Poor Health Days' /

chrt103 'Health: Limited Activities' /
 chrt104 'Health: Limited Activities Frequency' /
 chrt105 'Health: Pain Reliever Prescription' /
 chrt106 'Health: Pain Reliever Reason' /
 chrt107 'Health: Pain Reliever Misuse' /
 chrt3 'Health: Heart' /
 chrt4 'Health: Hypertension' /
 chrt6 'Health: Lung' /
 chrt5 'Health: Diabetes' /
 chrt7 'Health: Depression' /
 chrt8 'Health: Anxiety' /
 chrt115a 'Health Services: Doctor' /
 chrt115b 'Health Services: Hospital' /
 chrt115c 'Health Services: Maternity' /
 chrt115d 'Health Services: Mental Health' /
 chrt115e 'Health Services: Prescriptions' /
 chrt115f 'Health Services: Pediatric' /
 chrt115g 'Health Services: Dental' /
 chrt115h 'Health Services: Vision' /
 chrt115i 'Health Services: Contraception' /
 chrt116 'Birth Control: Source' /
 chrt117 'Birth Control: Ease' /
 chrt118 'Birth Control: Cost' /
 chrt14 'Health Insurance: Coverage' /
 chrt15 'Health Insurance: Primary' /
 chrt16 'Health Insurance: Marketplace' /
 chrt119 'Health Insurance: Assistance' /
 chrt32a 'Health Insurance Choice: Physicians' /
 chrt32b 'Health Insurance Choice: Premium' /
 chrt32c 'Health Insurance Choice: Deductible' /
 chrt32d 'Health Insurance Choice: Co~Pays' /
 chrt32e 'Health Insurance Choice: Co~Insurance' /
 chrt120f 'Health Insurance Choice: Current Doctors' /
 chrt120g 'Health Insurance Choice: Federal Requirement' /
 chrt51 'Health Insurance: Reason Without' /
 chrt18 'Health Insurance: Uninsured' /
 chrt19 'Health Insurance: Uninsured Length' /
 chrt20 'Health Insurance: Last Year' /
 chrt52 'Health Insurance: Marketplace' /
 chrt53 'Health Insurance: Switch' /
 chrt54 'Health Insurance: Switch Reason' /
 chrt54b@a 'Health Insurance Cost: Premium' /
 chrt54b@b 'Health Insurance Cost: Co~Pays' /
 chrt54b@c 'Health Insurance Cost: Co~insurance' /
 chrt54b@d 'Health Insurance Cost: Deductible' /
 chrt54b@x 'Health Insurance Cost: Other' /
 chrt54b@y 'Health Insurance Cost: Do Not Know' /
 chrt21 'Health Insurance: Rate Current' /
 chrt22 'Health Insurance: Compare Quality' /
 chrt23 'Health Insurance: Compare Cost' /
 chrt24 'Health Insurance: Problems Paying' /
 chrt135 'Health Insurance: ACA Changes' /
 chrt133a 'Health Coverage Concern: Premium' /
 chrt133b 'Health Coverage Concern: Out~of~pocket' /
 chrt133c 'Health Coverage Concern: Doctor Choice' /
 chrt133d 'Health Coverage Concern: Coverage' /
 chrt133e 'Health Coverage Concern: Rules' /
 chrt133f 'Health Coverage Concern: Plan Choice' /
 chrt133g 'Health Coverage Concern: Coverage Loss' /
 chrt134 'Health Insurance: Change' /
 chrt25 'Health Insurance: Doctor' /
 chrt26 'Health: Advice' /
 chrt27 'Health: Routine Appointment' /
 chrt29 'Health: Specialist Appointment' /
 chrt139 'Health: Substance Abuse Appointment' /
 chrt140 'Health: Dental Appointment' /
 chrt30 'Health: Did Not Seek' /

chrt31 'Health: Did Not Seek Reason' /
 chrt55 'Health: Did Not Get Help' /
 chrt56 'Health: Did Not Get Help Reason' /
 chrt33 'Health Provider Change: Regular' /
 chrt34 'Health Provider Change: Regular Reason' /
 chrt35 'Health Provider Change: Specialist' /
 chrt36 'Health Provider Change: Specialist Reason' /
 chrt37 'Health Insurance: Primary Denied' /
 chrt38 'Health Insurance: Specialist Denied' /
 chrt151a 'Prescription' /
 chrt151b 'Prescription: Not Pain Reliever' /
 chrt152a 'Prescription: Number' /
 chrt152b 'Prescription: Number Including Pain Killers' /
 chrt153 'Prescription: Problems Paying' /
 chrt154 'Prescription: Payment Solution' /
 RI 'Recall' /
 RIa 'Recall: Email' /
 email 'Recall: Email Address' /
 rname 'Recall: Respondent Name' /
 contacts 'Contacts' /
 length 'Interview Length' /
 idate 'Interview Date' /
 iwer 'Interviewer' /
 males 'Males' /
 females 'Females' /
 final 'Partial Interviews' /
 races 'Race: 6 categories' /
 agecat 'Demographic: Age in categories' /
 adjwt2 'Weight Adjustment: Phones, adults, race, gender, age, region' /
 msueregn 'MSU Extension Regions' /
 msuewt2 'Weight: MSU Regions' /
 statewt2 'Final Weight for Statewide Analysis' /
 rac3 'Race: 3 categories and missing' /
 AGE 'Demographic: Age' /
 imprace 'Race: 3 categories with imputation if missing' /
 NewIncome 'Income: Household Income in 11 Categories (new version)' /
 source 'Sample source of Respondent' /
 educat4 'Demographic: Education in 4 categories' /
 .

VALUE LABELS

regn 1 'UPPER PENNINSULA' 2 'NORTHERN MICHIGAN' 3 'WEST CENTRAL'
 4 'EAST CENTRAL' 5 'SOUTHWEST MICHIGAN' 6 'SOUTHEAST MICHIGAN'
 7 'DETROIT' /
 listed 1 'LISTED' 2 'UNLISTED' /
 CC1 1 'BETTER OFF' 3 'ABOUT THE SAME (R PROVIDED)' 5 'WORSE OFF'
 8 'DO NOT KNOW' 9 'REFUSED' /
 CC2 1 'BETTER OFF' 3 'ABOUT THE SAME (R PROVIDED)' 5 'WORSE OFF'
 8 'DO NOT KNOW' 9 'REFUSED' /
 CC3 1 'EXCELLENT' 2 'GOOD' 3 'JUST FAIR' 4 'NOT SO GOOD' 5 'POOR'
 8 'DO NOT KNOW' 9 'REFUSED' /
 CC4 1 'GO UP' 3 'GO DOWN' 5 'STAY ABOUT THE SAME' 8 'DO NOT KNOW'
 9 'REFUSED' /
 CC5 1 'BETTER THAN' 3 'WORSE THAN' 5 'ABOUT THE SAME'
 8 'DO NOT KNOW' 9 'REFUSED' /
 CC6 1 'GOOD TIMES' 3 'BAD TIMES'
 5 'NEITHER GOOD NOR BAD; MEDIOCRE STAY THE SAME (R PROVIDED)'
 8 'DO NOT KNOW' 9 'REFUSED' /
 A1 1 'SCHOOL FINANCE/EDUCATION FUNDING*'
 2 'EDUCATION QUALITY/IMPROVE EDUCATION*' 9 'EDUCATION: GENERAL'
 10 'MEDICAL CARE/HEALTH CARE: GENERAL'
 11 'ELDERLY/MEDICAL CARE ELDERLY: MEDICARE'
 12 'RACISM/EQUAL OPPORTUNITIES' 13 'POVERTY/POOR'
 14 'HOMELESSNESS*' 15 'HOUSING/AFFORDABLE HOUSING*'
 16 'WELFARE REFORM/CUT WELFARE'
 17 'WELFARE EXPANSION/MORE PROGRAMS'
 19 'OTHER (MEDICAL/HEALTH/WELFARE)'

20 'JOBS/CREATING JOBS/UNEMPLOYMENT*'
 21 'ECONOMY/DEVELOPMENT/LOSS BUSINESSES*'
 22 'OVER EXPANSION/TOO MUCH GROWTH' 23 'FARMING/DECLINE FARMING'
 24 'COST OF GOODS/INFLATION' 25 'FAMILY INCOME/FAMILY FINANCES'
 26 'FORECLOSURES/HOUSING CRISIS/PROPERTY VALUES'
 27 'LACK OF REVENUE' 29 'OTHER (ECONOMY)'
 30 'TAXES: LOCAL/CITY/PROPERTY' 31 'LEADERSHIP/CITY LEADERS'
 32 'CORRUPTION: LOCAL LEVEL' 33 'TOO MUCH GOVERNMENT'
 34 'COURTS/JUDICIAL REFORM' 35 'TAXES: STATE/FEDERAL*'
 36 'LEADERSHIP: STATE/FEDERAL GOVERNMENT*'
 37 'CORRUPTION: STATE/FEDERAL LEVEL*'
 38 'WAR/TERRORISM/MILITARY CONFLICTS' 39 'OTHER (GOVERNMENT)'
 40 'THEFT' 41 'SAFETY/STREET VIOLENCE' 42 'GUN CONTROL'
 43 'DRUGS/DRUG DEALERS*' 44 'CRIME: GENERAL' 49 'OTHER (CRIME)'
 50 'GANGS/TEEN VIOLENCE' 51 'LACK ACTIVITIES YOUTH'
 52 'TEENAGE PREGNANCY' 53 'YOUTH AND DRUGS'
 54 'YOUTH DRINKING/ALC. ABUSE' 55 'PEER PRESSURE'
 59 'OTHER (YOUTH)' 60 'DIVORCE/BROKEN HOMES/SINGLE PARENTS'
 61 'CHILDREN'S WELFARE/CHILD ABUSE'
 62 'DISCIPLINE/PARENTAL CONTROL' 63 'VALUES/MORALITY/RELIGION'
 64 'FAMILY ALCOHOLISM/DRUG ABUSE' 69 'OTHER (FAMILY)'
 70 'POLLUTION' 71 'JUNK/DIRTY CITY/BLIGHT' 72 'LANDFILLS'
 73 'LAND USE' 74 'POPULATION GROWTH/LOSS' 75 'RECYCLING'
 76 'WETLAND/NATURAL AREA' 79 'OTHER (ENVIRONMENT)'
 80 'WATER/SEWERS*' 81 'TRASH/GARBAGE COLLECTION'
 82 'POLICE/MORE LAW ENFORCEMENT' 83 'FIRE/MORE FIRE PROTECTION'
 84 'ROADS/ROAD REPAIR/STREET UPKEEP*' 85 'TRANSPORTATION/BUSES'
 86 'ANIMAL CONTROL' 87 'TRAFFIC CONGESTION/TRAFFIC'
 89 'OTHER (PUBLIC SERVICES)'
 90 'COMMUNITY SPIRIT, COMMUNITY SUPPORT'
 91 'MISCELLANEOUS: OTHER' 95 'NO PROBLEMS' 98 'DO NOT KNOW'
 99 'REFUSED' /
 PO1 1 'EXCELLENT' 2 'GOOD' 3 'FAIR' 4 'POOR' 8 'DO NOT KNOW'
 9 'REFUSED' /
 PO2 1 'EXCELLENT' 2 'GOOD' 3 'FAIR' 4 'POOR' 8 'DO NOT KNOW'
 9 'REFUSED' /
 D10 1 'NEARLY ALWAYS OR MOST OF THE TIME' 2 'SOME OF THE TIME'
 3 'SELDOM' 4 'ALMOST NEVER' 8 'DO NOT KNOW' 9 'REFUSED' /
 D11 1 'NEARLY ALWAYS OR MOST OF THE TIME' 2 'SOME OF THE TIME'
 3 'SELDOM' 4 'ALMOST NEVER' 8 'DO NOT KNOW' 9 'REFUSED' /
 D12 1 'NEARLY ALWAYS OR MOST OF THE TIME' 2 'SOME OF THE TIME'
 3 'SELDOM' 4 'ALMOST NEVER' 8 'DO NOT KNOW' 9 'REFUSED' /
 P4a 1 'ECONOMY/ECONOMIC GROWTH/STIMULATING THE ECONOMY*'
 2 'JOBS/CREATING JOBS/UNEMPLOYMENT*'
 3 'HEALTH CARE/COST OF HEALTH CARE/HEALTH INSURANCE*'
 4 'CRIME/DRUGS/VIOLENCE/SAFETY/PRISONS*'
 5 'EDUCATION/SCHOOL FUNDING*'
 6 'POVERTY/HOMELESS/SOCIAL PROGRAMS' 7 'WELFARE/WELFARE REFORM'
 8 'TAXES*' 9 'SENIORS/PRESCRIPTION DRUG COVERAGE'
 10 'REDUCE BUDGETS/SIZE GOVERNMENT'
 11 'MORAL ISSUES/ABORTION/FAMILY VALUES' 12 'FOREIGN POLICY'
 13 'ENVIRONMENT*' 14 'ROADS/HIGHWAYS/BRIDGES REPAIR*'
 15 'CHILDREN/ISSUES WITH CHILDREN' 16 'DIVERSITY/RACE RELATIONS'
 17 'ETHICS, POLITICAL REFORM'
 18 'INFRASTRUCTURE OF CITIES (INCLUDES DRINKING WATER/SEWERS)*'
 19 'ELECTION REFORM' 20 'GUN CONTROL'
 21 'JOB TRAINING/RETRAINING' 22 'TEACHER TESTING/ACCOUNTABILITY'
 23 'REGULATION/DEREGULATION' 24 'MEAP SCORES'
 25 'STATE BUDGET CRISIS/SOLVE BUDGET ISSUES'
 26 'FORECLOSURES/PROPERTY VALUES/HOUSING CRISIS'
 27 'EDUCATION QUALITY/STANDARDS*' 90 'MISCELLANEOUS'
 95 'NOTHING/EVERYTHING IS FINE' 98 'DO NOT KNOW' 99 'REFUSED' /
 CD1 1 'MALE' 2 'FEMALE' 8 'DO NOT KNOW' 9 'REFUSED' /
 CD2 8 'DO NOT KNOW' 9 'REFUSED' /
 CD3 0 'DID NOT GO TO SCHOOL' 1 '1st GRADE' 2 '2nd GRADE'
 3 '3rd GRADE' 4 '4th GRADE' 5 '5th GRADE' 6 '6th GRADE'
 7 '7th GRADE' 8 '8th GRADE' 9 '9th GRADE' 10 '10th GRADE'

11 '11th GRADE' 12 'HIGH SCHOOL GRADUATE OR GED HOLDER'
13 '1st YEAR COLLEGE' 14 '2nd YEAR COLLEGE'
15 '3rd YEAR COLLEGE' 16 'COLLEGE GRADUATE (FOUR YEARS)'
17 'SOME POST GRADUATE' 18 'GRADUATE DEGREE'
20 'TECHNICAL/JUNIOR COLLEGE GRADUATE' 98 'DO NOT KNOW'
99 'REFUSED' /
CD5a 1 'YES~HISPANIC/LATINO/SPANISH ORIGIN'
5 'NO~NOT HISPANIC/LATINO/SPANISH ORIGIN' 8 'DO NOT KNOW'
9 'REFUSED' /
CD4@a 1 'YES' 5 'NO' /
CD4@b 1 'YES' 5 'NO' /
CD4@c 1 'YES' 5 'NO' /
CD4@d 1 'YES' 5 'NO' /
CD4@e 1 'YES' 5 'NO' /
CD4@f 1 'YES' 5 'NO' /
CD4@g 1 'YES' 5 'NO' /
CD6 0 'NONE; NO RELIGIOUS GROUP (include: Atheist, Agnostic)'
1 'CATHOLIC; ROMAN CATHOLIC, ORTHODOX' 2 'ISLAMIC/MUSLIM'
3 'JEWISH'
4 'PROTESTANT (Baptist, Methodist, Lutheran, Episcopalian, etc)'
5 'OTHER NON-CHRISTIAN (Unitarian~Universalist, Hindu, Druid)'
6 'OTHER CHRISTIAN (Jehovah Witness, Mormon, 7th Day Adventist, etc)'
95 'UNABLE TO CLASSIFY/MISC.' 98 'DO NOT KNOW' 99 'REFUSED' /
CD7@a 0 'ANOTHER PARTY, THIRD PARTY, ETC' 1 'REPUBLICAN'
4 'INDEPENDENT' 7 'DEMOCRAT' 8 'DO NOT KNOW' 9 'REFUSED' /
CD7@b 1 'STRONG REPUBLICAN' 2 'NOT A VERY STRONG REPUBLICAN'
8 'DO NOT KNOW' 9 'REFUSED' /
CD7@c 6 'NOT A VERY STRONG DEMOCRAT' 7 'STRONG DEMOCRAT'
8 'DO NOT KNOW' 9 'REFUSED' /
CD7@d 3 'REPUBLICAN' 4 'NEITHER (R PROVIDED)' 5 'DEMOCRAT'
8 'DO NOT KNOW' 9 'REFUSED' /
partyid 1 'STRONG REPUBLICAN' 2 'NOT STRONG REPUBLICAN'
3 'LEAN REPUBLICAN' 4 'NEITHER' 5 'LEAN DEMOCRAT'
6 'NOT STRONG DEMOCRAT' 7 'STRONG DEMOCRAT' 8 'DO NOT KNOW'
9 'REFUSED' /
P17@a 0 'OTHER' 1 'CONSERVATIVE' 4 'MODERATE' 7 'LIBERAL'
8 'DO NOT KNOW' 9 'REFUSED' /
P17@b 1 'VERY CONSERVATIVE' 2 'SOMEWHAT CONSERVATIVE' 8 'DO NOT KNOW'
9 'REFUSED' /
P17@c 6 'SOMEWHAT LIBERAL' 7 'VERY LIBERAL' 8 'DO NOT KNOW'
9 'REFUSED' /
P17@d 3 'CLOSER TO THE CONSERVATIVE' 4 'IN THE MIDDLE'
5 'CLOSER TO THE LIBERAL SIDE' 8 'DO NOT KNOW' 9 'REFUSED' /
ideology 1 'VERY CONSERVATIVE' 2 'SOMEWHAT CONSERVATIVE'
3 'LEAN CONSERVATIVE' 4 'MIDDLE' 5 'LEAN LIBERAL'
6 'SOMEWHAT LIBERAL' 7 'VERY LIBERAL' 8 'DO NOT KNOW'
9 'REFUSED' /
CD8 1 'MARRIED, REMARRIED' 2 'DIVORCED' 3 'SEPARATED' 4 'WIDOWED'
5 'MEMBER OF AN UNMARRIED COUPLE' 6 'SINGLE, NEVER BEEN MARRIED'
7 'MISC/OTHER' 8 'DO NOT KNOW' 9 'REFUSED' /
CD10 98 'DO NOT KNOW' 99 'REFUSED' /
CD11 98 'DO NOT KNOW' 99 'REFUSED' /
CD15 1 'WORK FULL TIME' 2 'WORK PART TIME' 3 'WORK AND GO TO SCHOOL'
4 'THE ARMED FORCES'
5 'HAVE A JOB, BUT NOT AT WORK LAST WEEK (ON VAC, SICK LEAVE, ETC)'
6 'UNEMPLOYED, LAID OFF, LOOKING FOR WORK' 7 'RETIRED'
8 'SCHOOL FULL TIME' 9 'HOMEMAKER' 10 'DISABLED'
11 'SEMI~RETIRED, RETIRED AND WORKING PART~TIME' 95 'MISC/OTHER'
98 'DO NOT KNOW' 99 'REFUSED' /
UN1 1 'YES' 5 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
UN2 1 'YES' 5 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
UN3 1 'YES' 5 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
inca 1 'YES' 5 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
incb 1 'YES' 5 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
incca 1 'YES' 5 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
incc 1 'YES' 5 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
incd 1 'YES' 5 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /

```

incf      1 'YES' 5 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
incg      1 'YES' 5 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
inch      1 'YES' 5 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
incha     1 'YES' 5 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
inci      1 'YES' 5 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
CD26      98 'DO NOT KNOW' 99 'REFUSED' /
X1         0 'MISC/OTHER' 1 'RURAL COMMUNITY'
           2 'SMALL CITY OR TOWN, VILLAGE' 3 'A SUBURB' 4 'URBAN COMMUNITY'
           8 'DO NOT KNOW' 9 'REFUSED' /
zipcode    8 'DO NOT KNOW' 9 'REFUSED' /
demo_county 0 'GAVE CITY ONLY' 1 'ALCONA' 3 'ALGER' 5 'ALLEGAN' 7 'ALPENA'
           9 'ANTRIM' 11 'ARENAC' 13 'BARAGA' 15 'BARRY' 17 'BAY'
           19 'BENZIE' 21 'BERRIEN' 23 'BRANCH' 25 'CALHOUN' 27 'CASS'
           29 'CHARLEVOIX' 31 'CHEBOYGAN' 33 'CHIPPEWA' 35 'CLARE'
           37 'CLINTON' 39 'CRAWFORD' 41 'DELTA' 43 'DICKINSON' 45 'EATON'
           47 'EMMET' 49 'GENESEE' 51 'GLADWIN' 53 'GOGEBIC'
           55 'GRAND TRAVERSE' 57 'GRATIOT' 59 'HILLSDALE' 61 'HOUGHTON'
           63 'HURON' 65 'INGHAM' 67 'IONIA' 69 'IOSCO' 71 'IRON'
           73 'ISABELLA' 75 'JACKSON' 77 'KALAMAZOO' 79 'KALKASKA'
           81 'KENT' 83 'KEWEENAW' 85 'LAKE' 87 'LAPEER' 89 'LEELANAU'
           91 'LENAWEE' 93 'LIVINGSTON' 95 'LUCE' 97 'MACKINAC' 99 'MACOMB'
           101 'MANISTEE' 103 'MARQUETTE' 105 'MASON' 107 'MECOSTA'
           109 'MENOMINEE' 111 'MIDLAND' 113 'MISSAUKEE' 115 'MONROE'
           117 'MONTCALM' 119 'MONTMORENCY' 121 'MUSKEGON' 123 'NEWAYGO'
           125 'OAKLAND' 127 'OCEANA' 129 'OGEMAW' 131 'ONTONAGON'
           133 'OSCEOLA' 135 'OSCODA' 137 'OTSEGO' 139 'OTTAWA'
           141 'PRESQUE ISLE' 143 'ROSCOMMON' 145 'SAGINAW' 147 'ST. CLAIR'
           149 'ST. JOSEPH' 151 'SANILAC' 153 'SCHOOLCRAFT'
           155 'SHIAWASSEE' 157 'TUSCOLA' 159 'VAN BUREN' 161 'WASHTENAW'
           163 'WAYNE' 165 'WEXFORD' 777 'DO NOT KNOW' 990 'GAVE CITY ONLY'
           995 'DID NOT PROVIDE COUNTY/CITY' 999 'REFUSED' /
demo_Detroit 1 'YES' 2 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
cellular2 0 'SPECIFY' 98 'DO NOT KNOW' 99 'REFUSED' /
demo_cell1 1 'YES' 2 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
demo_cell4 555 'NO LANDLINE PHONE' 777 'ZERO, NONE' 888 'DO NOT KNOW'
           999 'REFUSED' /
water01    0 'SPECIFY:OTHER' 1 'A PRIVATE WELL' 2 'A COMMUNITY WELL SYSTEM'
           3 'A CITY OR MUNICIPAL WATER SYSTEM' 4 'BOTTLED WATER'
           8 'DO NOT KNOW' 9 'REFUSED' /
water02    1 'YES' 2 'NO' 3 'YES, BUT I FILTER IT (R VOLUNTEERED)'
           8 'DO NOT KNOW' 9 'REFUSED' /
water03a   1 'YES' 2 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
water03b   1 '3 YEARS OR LESS' 2 'MORE THAN 3 YEARS' 8 'DO NOT KNOW'
           9 'REFUSED' /
water04    1 'YES' 2 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
water05    1 'YES' 2 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
water06a   1 '1 (NOT AT ALL A CONCERN)' 2 '2' 3 '3' 4 '4'
           5 '5 (VERY MUCH A CONCERN)' 8 'DO NOT KNOW' 9 'REFUSED' /
water06b   1 '1 (NOT AT ALL A CONCERN)' 2 '2' 3 '3' 4 '4'
           5 '5 (VERY MUCH A CONCERN)' 8 'DO NOT KNOW' 9 'REFUSED' /
water06c   1 '1 (NOT AT ALL A CONCERN)' 2 '2' 3 '3' 4 '4'
           5 '5 (VERY MUCH A CONCERN)' 8 'DO NOT KNOW' 9 'REFUSED' /
water06d   1 '1 (NOT AT ALL A CONCERN)' 2 '2' 3 '3' 4 '4'
           5 '5 (VERY MUCH A CONCERN)' 8 'DO NOT KNOW' 9 'REFUSED' /
water06e   1 '1 (NOT AT ALL A CONCERN)' 2 '2' 3 '3' 4 '4'
           5 '5 (VERY MUCH A CONCERN)' 8 'DO NOT KNOW' 9 'REFUSED' /
water06f   1 '1 (NOT AT ALL A CONCERN)' 2 '2' 3 '3' 4 '4'
           5 '5 (VERY MUCH A CONCERN)' 8 'DO NOT KNOW' 9 'REFUSED' /
water06g   1 '1 (NOT AT ALL A CONCERN)' 2 '2' 3 '3' 4 '4'
           5 '5 (VERY MUCH A CONCERN)' 8 'DO NOT KNOW' 9 'REFUSED' /
water07a   1 '1 (NOT AT ALL A CONCERN)' 2 '2' 3 '3' 4 '4'
           5 '5 (VERY MUCH A CONCERN)' 8 'DO NOT KNOW' 9 'REFUSED' /
water07b   1 '1 (NOT AT ALL A CONCERN)' 2 '2' 3 '3' 4 '4'
           5 '5 (VERY MUCH A CONCERN)' 8 'DO NOT KNOW' 9 'REFUSED' /
water07c   1 '1 (NOT AT ALL A CONCERN)' 2 '2' 3 '3' 4 '4'
           5 '5 (VERY MUCH A CONCERN)' 8 'DO NOT KNOW' 9 'REFUSED' /
water07d   1 '1 (NOT AT ALL A CONCERN)' 2 '2' 3 '3' 4 '4'

```

water07e 5 '5 (VERY MUCH A CONCERN)' 8 'DO NOT KNOW' 9 'REFUSED' /
 1 '1 (NOT AT ALL A CONCERN)' 2 '2' 3 '3' 4 '4'
 water08a 5 '5 (VERY MUCH A CONCERN)' 8 'DO NOT KNOW' 9 'REFUSED' /
 1 '1 (NOT AT ALL A CONTRIBUTOR)' 2 '2' 3 '3' 4 '4'
 water08b 5 '5 (MAJOR CONTRIBUTOR)' 8 'DO NOT KNOW' 9 'REFUSED' /
 1 '1 (NOT AT ALL A CONTRIBUTOR)' 2 '2' 3 '3' 4 '4'
 water08c 5 '5 (MAJOR CONTRIBUTOR)' 8 'DO NOT KNOW' 9 'REFUSED' /
 1 '1 (NOT AT ALL A CONTRIBUTOR)' 2 '2' 3 '3' 4 '4'
 water08d 5 '5 (MAJOR CONTRIBUTOR)' 8 'DO NOT KNOW' 9 'REFUSED' /
 1 '1 (NOT AT ALL A CONTRIBUTOR)' 2 '2' 3 '3' 4 '4'
 water09a 5 '5 (MAJOR CONTRIBUTOR)' 8 'DO NOT KNOW' 9 'REFUSED' /
 1 '1 (NOT AT ALL IMPORTANT)' 2 '2' 3 '3' 4 '4'
 water09b 5 '5 (VERY IMPORTANT)' 8 'DO NOT KNOW' 9 'REFUSED' /
 1 '1 (NOT AT ALL IMPORTANT)' 2 '2' 3 '3' 4 '4'
 water09c 5 '5 (VERY IMPORTANT)' 8 'DO NOT KNOW' 9 'REFUSED' /
 1 '1 (NOT AT ALL IMPORTANT)' 2 '2' 3 '3' 4 '4'
 water09d 5 '5 (VERY IMPORTANT)' 8 'DO NOT KNOW' 9 'REFUSED' /
 1 '1 (NOT AT ALL IMPORTANT)' 2 '2' 3 '3' 4 '4'
 water10 5 '5 (VERY IMPORTANT)' 8 'DO NOT KNOW' 9 'REFUSED' /
 1 'RIGHT AMOUNT OF EMPHASIS' 2 'TOO MUCH EMPHASIS'
 3 'TOO LITTLE EMPHASIS' 8 'DO NOT KNOW' 9 'REFUSED' /
 water11 1 'FEDERAL GOVERNMENT' 2 'STATE GOVERNMENT' 3 'LOCAL GOVERNMENT'
 4 'INDIVIDUAL CITIZENS' 8 'DO NOT KNOW' 9 'REFUSED' /
 water12a 1 'YES' 2 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
 water12b 1 'YES' 2 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
 water12c 1 'YES' 2 'NO'
 3 'DO NOT HAVE MUNICIPAL WATER SYSTEM (R VOLUNTEERED)'
 8 'DO NOT KNOW' 9 'REFUSED' /
 water12d 1 'YES' 2 'NO' 3 'DO NOT HAVE WELL (R VOLUNTEERED)'
 8 'DO NOT KNOW' 9 'REFUSED' /
 water12e 1 'YES' 2 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
 water13 1 'YES' 2 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
 water14 1 'YES' 2 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
 chrt1 1 'EXCELLENT' 2 'VERY GOOD' 3 'GOOD' 4 'FAIR' 5 'POOR'
 8 'DO NOT KNOW' 9 'REFUSED' /
 chrt2 98 'DO NOT KNOW' 99 'REFUSED' /
 chrt103 1 'YES' 2 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
 chrt104 1 'NEVER (R VOLUNTEERED)' 2 'SOME DAYS' 3 'MOST DAYS'
 4 'EVERY DAY' 8 'DO NOT KNOW' 9 'REFUSED' /
 chrt105 1 'YES' 2 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
 chrt106 0 'SPECIFY:OTHER' 1 'BACK/NECK PAIN' 2 'OTHER PAIN' 3 'INJURY'
 4 'SURGERY'
 5 'DENTAL WORK OR ORAL/MOUTH SURGERY (INCL ROOT CANAL, CROWN, ETC)'
 98 'DO NOT KNOW' 99 'REFUSED' /
 chrt107 1 'YES' 2 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
 chrt3 1 'YES' 2 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
 chrt4 1 'YES' 2 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
 chrt6 1 'YES' 2 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
 chrt5 1 'YES' 2 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
 chrt7 1 'YES' 2 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
 chrt8 1 'YES' 2 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
 chrt115a 1 'YES' 2 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
 chrt115b 1 'YES' 2 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
 chrt115c 1 'YES' 2 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
 chrt115d 1 'YES' 2 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
 chrt115e 1 'YES' 2 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
 chrt115f 1 'YES' 2 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
 chrt115g 1 'YES' 2 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
 chrt115h 1 'YES' 2 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
 chrt115i 1 'YES' 2 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
 chrt116 0 'SOME OTHER PLACE'
 1 'DOCTOR (INCLUDE FAMILY DOCTOR, PHYSICIAN, OB/GYN, GP, ETC.)'
 2 'COMMUNITY HEALTH CLINIC' 3 'PLANNED PARENTHOOD'
 4 'STUDENT HEALTH CLINIC' 8 'DO NOT KNOW' 9 'REFUSED' /
 chrt117 1 'VERY EASY' 2 'SOMEWHAT EASY'
 3 'NEITHER EASY NOR DIFFICULT (R VOLUNTEERED)'
 4 'SOMEWHAT DIFFICULT' 5 'VERY DIFFICULT'

7 'HAVE NOT HAD TO ARRANGE ROUTINE CARE (R VOLUNTEERED)'
 8 'DO NOT KNOW' 9 'REFUSED' /
 chrt118 1 'YES' 2 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
 chrt14 1 'YES' 2 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
 chrt15 1 'MEDICARE (Usually insurance for elderly, retirees)'
 2 'MEDICAID (Usually insurance for poor, disabled, etc.)'
 3 'HEALTHY MICHIGAN'
 4 'BOTH MEDICARE AND MEDICAID ~ DUAL ELIGIBLE'
 5 'ANOTHER GOVERNMENT INSURANCE (CHAMPUS, Military, etc.)'
 6 'EMPLOYER OR UNION (R or family member, include any "brand" insur)'
 7 'INDIVIDUALLY PURCHASED PLAN' 8 'UNINSURED'
 10 'MEDICARE/MEDICAID PLUS SUPPLEMENT/OTHER INSURANCE'
 71 'INSURANCE MARKETPLACE/HEALTHCARE.GOV (R VOLUNTEERED)'
 72 'INDIVIDUALLY PURCHASED DIRECTLY FROM HEALTH PLAN (R VOLUNTEERED)'
 95 'MISC/OTHER' 98 'DO NOT KNOW' 99 'REFUSED' /
 chrt16 1 'MARKEPLACE' 2 'DIRECTLY FROM HEALTH PLAN' 8 'DO NOT KNOW'
 9 'REFUSED' /
 chrt119 1 'YES' 2 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
 chrt32a 1 'VERY IMPORTANT' 2 'SOMEWHAT IMPORTANT' 3 'NOT IMPORTANT'
 8 'DO NOT KNOW' 9 'REFUSED' /
 chrt32b 1 'VERY IMPORTANT' 2 'SOMEWHAT IMPORTANT' 3 'NOT IMPORTANT'
 8 'DO NOT KNOW' 9 'REFUSED' /
 chrt32c 1 'VERY IMPORTANT' 2 'SOMEWHAT IMPORTANT' 3 'NOT IMPORTANT'
 8 'DO NOT KNOW' 9 'REFUSED' /
 chrt32d 1 'VERY IMPORTANT' 2 'SOMEWHAT IMPORTANT' 3 'NOT IMPORTANT'
 8 'DO NOT KNOW' 9 'REFUSED' /
 chrt32e 1 'VERY IMPORTANT' 2 'SOMEWHAT IMPORTANT' 3 'NOT IMPORTANT'
 8 'DO NOT KNOW' 9 'REFUSED' /
 chrt120f 1 'VERY IMPORTANT' 2 'SOMEWHAT IMPORTANT' 3 'NOT IMPORTANT'
 8 'DO NOT KNOW' 9 'REFUSED' /
 chrt120g 1 'VERY IMPORTANT' 2 'SOMEWHAT IMPORTANT' 3 'NOT IMPORTANT'
 8 'DO NOT KNOW' 9 'REFUSED' /
 chrt51 0 'SPECIFY:OTHER' 1 'IN GOOD HEALTH/DON''T NEED'
 2 'GET CHEAPER CARE WITHOUT INSURANCE'
 3 'COST/CANNOT AFFORD/MONEY'
 4 'WAITING FOR EMPLOYER TO OFFER IT'
 5 'DIDN''T THINK ABOUT/CONSIDER IT'
 6 'DON''T KNOW ENOUGH ABOUT IT TO BUY MY OWN'
 7 'LOST JOB/SPOUSE LOST JOB WITH COVERAGE'
 8 'EMPLOYER DROPPED COVERAGE'
 9 'EMPLOYER/SPOUSE''S EMPLOYER DOES NOT OFFER OR CHARGES TOO MUCH'
 10 'BECAME INELIGIBLE ~ LOST STATE OR EMPLOYER COVERAGE'
 11 'NOT ELIGIBLE DUE TO IMMIGRATION STATUS/WORRIES ABOUT IMM. STATUS'
 98 'DO NOT KNOW' 99 'REFUSED' /
 chrt18 1 'YES' 2 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
 chrt19 1 'MONTHS' 12 'MONTHS' 98 'DO NOT KNOW' 99 'REFUSED' /
 chrt20 1 'MEDICARE (Usually insurance for elderly, retirees)'
 2 'MEDICAID (Usually insurance for poor, disabled, etc.)'
 3 'HEALTHY MICHIGAN'
 4 'BOTH MEDICARE AND MEDICAID ~ DUAL ELIGIBLE'
 5 'ANOTHER GOVERNMENT INSURANCE (CHAMPUS, Military, etc.)'
 6 'EMPLOYER OR UNION (R or family member, include any "brand" insur)'
 7 'INDIVIDUALLY PURCHASED PLAN' 8 'UNINSURED'
 10 'MEDICARE/MEDICAID PLUS SUPPLEMENT/OTHER INSURANCE'
 11 'RETIREMENT BENEFITS'
 71 'INSURANCE MARKETPLACE/HEALTHCARE.GOV (R VOLUNTEERED)'
 72 'INDIVIDUALLY PURCHASED DIRECTLY FROM HEALTH PLAN (R VOLUNTEERED)'
 95 'MISC/OTHER' 98 'DO NOT KNOW' 99 'REFUSED' /
 chrt52 1 'MARKEPLACE' 2 'DIRECTLY FROM HEALTH PLAN' 8 'DO NOT KNOW'
 9 'REFUSED' /
 chrt53 1 'YES' 2 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
 chrt54 1 'R OR SPOUSE CHANGED JOB' 2 'COST/TOO EXPENSIVE'
 3 'ELIGIBILITY FOR PUBLIC INSURANCE CHANGED'
 4 'COVERAGE/LIMITS TOO RESTRICTIVE'
 5 'NOT ENOUGH PROVIDERS IN NETWORK/DOC NOT IN NTWK/HOSP NOT IN NTWK'
 6 'UNHAPPY WITH SERVICE/ADMINISTRATIVE REASONS'
 7 'CHANGED BASED ON RECOMMENDATION FROM MY DOCTOR'

10 'LOST JOB/RETIRED' 11 'CHANGED BY EMPLOYER/UNION'
 95 'MISC/OTHER' 98 'DO NOT KNOW' 99 'REFUSED' /
 chrt54b@a 1 'YES' 5 'NO' /
 chrt54b@b 1 'YES' 5 'NO' /
 chrt54b@c 1 'YES' 5 'NO' /
 chrt54b@d 1 'YES' 5 'NO' /
 chrt54b@x 1 'YES' 5 'NO' /
 chrt54b@y 1 'YES' 5 'NO' /
 chrt21 1 'EXCELLENT' 2 'VERY GOOD' 3 'GOOD' 4 'FAIR' 5 'POOR'
 8 'DO NOT KNOW' 9 'REFUSED' /
 chrt22 1 'BETTER' 2 'WORSE' 3 'ABOUT THE SAME' 8 'DO NOT KNOW'
 9 'REFUSED' /
 chrt23 1 'INCREASED' 2 'DECREASED' 3 'STAYED THE SAME' 8 'DO NOT KNOW'
 9 'REFUSED' /
 chrt24 1 'YES' 2 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
 chrt135 1 'VERY CLOSELY' 2 'SOMEWHAT CLOSELY' 3 'NOT TOO CLOSELY'
 4 'NOT AT ALL' 8 'DO NOT KNOW' 9 'REFUSED' /
 chrt133a 1 '1 (NOT AT ALL CONCERNED)' 2 '2' 3 '3' 4 '4' 5 '5' 6 '6' 7 '7'
 8 '8' 9 '9' 10 '10 (EXTREMELY CONCERNED)' 98 'DO NOT KNOW'
 99 'REFUSED' /
 chrt133b 1 '1 (NOT AT ALL CONCERNED)' 2 '2' 3 '3' 4 '4' 5 '5' 6 '6' 7 '7'
 8 '8' 9 '9' 10 '10 (EXTREMELY CONCERNED)' 98 'DO NOT KNOW'
 99 'REFUSED' /
 chrt133c 1 '1 (NOT AT ALL CONCERNED)' 2 '2' 3 '3' 4 '4' 5 '5' 6 '6' 7 '7'
 8 '8' 9 '9' 10 '10 (EXTREMELY CONCERNED)' 98 'DO NOT KNOW'
 99 'REFUSED' /
 chrt133d 1 '1 (NOT AT ALL CONCERNED)' 2 '2' 3 '3' 4 '4' 5 '5' 6 '6' 7 '7'
 8 '8' 9 '9' 10 '10 (EXTREMELY CONCERNED)' 98 'DO NOT KNOW'
 99 'REFUSED' /
 chrt133e 1 '1 (NOT AT ALL CONCERNED)' 2 '2' 3 '3' 4 '4' 5 '5' 6 '6' 7 '7'
 8 '8' 9 '9' 10 '10 (EXTREMELY CONCERNED)' 98 'DO NOT KNOW'
 99 'REFUSED' /
 chrt133f 1 '1 (NOT AT ALL CONCERNED)' 2 '2' 3 '3' 4 '4' 5 '5' 6 '6' 7 '7'
 8 '8' 9 '9' 10 '10 (EXTREMELY CONCERNED)' 98 'DO NOT KNOW'
 99 'REFUSED' /
 chrt133g 1 '1 (NOT AT ALL CONCERNED)' 2 '2' 3 '3' 4 '4' 5 '5' 6 '6' 7 '7'
 8 '8' 9 '9' 10 '10 (EXTREMELY CONCERNED)' 98 'DO NOT KNOW'
 99 'REFUSED' /
 chrt134 1 'PREMIUM COST' 2 'COPAY/COINSURANCE COST' 3 'DEDUCTIBLE COST'
 4 'DOCTORS/HOSPITALS IN THE NETWORK' 5 'COVERAGE'
 6 'RESTRICTIONS FROM HEALTH PLAN (PRE~APPROVAL, ETC.)'
 7 'EXPANSION OF HEALTH SAVINGS ACCOUNTS' 8 'NOTHING'
 9 'DENTAL/VISION COVERAGE' 10 'OVERALL COST/MISC COST'
 95 'MISC/OTHER' 98 'DO NOT KNOW' 99 'REFUSED' /
 chrt25 1 'YES' 2 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
 chrt26 1 'DOCTOR'S OFFICE (include: CHIROPRACTOR)'
 2 'A PUBLIC HEALTH CLINIC OR COMMUNITY HEALTH CENTER'
 3 'A HOSPITAL OUTPATIENT DEPARTMENT'
 4 'A HOSPITAL EMERGENCY ROOM' 5 'AN URGENT CARE CLINIC'
 6 'FAMILY MEMBER/FRIENDS'
 7 'HERBALIST, HOLISTIC MEDICAL PERSON, ETC.'
 8 'INTERNET, PRINTED MATERIAL, ETC.'
 9 'RETAIL OR WALK~IN CLINIC (CLINIC IN GROCERY STORE, PHARM., ETC.)'
 10 'MULTIPLE RESPONSES: SPECIFY ALL MENTIONED' 20 'DEPENDS'
 95 'MISC/OTHER' 98 'DO NOT KNOW' 99 'REFUSED' /
 chrt27 1 'VERY EASY' 2 'SOMEWHAT EASY'
 3 'NEITHER EASY NOR DIFFICULT (R VOLUNTEERED)'
 4 'SOMEWHAT DIFFICULT' 5 'VERY DIFFICULT'
 7 'HAVE NOT HAD TO ARRANGE ROUTINE CARE (R VOLUNTEERED)'
 8 'DO NOT KNOW' 9 'REFUSED' /
 chrt29 1 'VERY EASY' 2 'SOMEWHAT EASY'
 3 'NEITHER EASY NOR DIFFICULT (R VOLUNTEERED)'
 4 'SOMEWHAT DIFFICULT' 5 'VERY DIFFICULT'
 7 'HAVE NOT HAD TO ARRANGE SPECIALTY CARE (R VOLUNTEERED)'
 8 'DO NOT KNOW' 9 'REFUSED' /
 chrt139 1 'VERY EASY' 2 'SOMEWHAT EASY'
 3 'NEITHER EASY NOR DIFFICULT (R VOLUNTEERED)'

4 'SOMEWHAT DIFFICULT' 5 'VERY DIFFICULT'
 7 'HAVE NOT HAD TO ARRANGE MENTAL HEALTH CARE (R VOLUNTEERED)'
 8 'DO NOT KNOW' 9 'REFUSED' /
 chrt140 1 'VERY EASY' 2 'SOMEWHAT EASY'
 3 'NEITHER EASY NOR DIFFICULT (R VOLUNTEERED)'
 4 'SOMEWHAT DIFFICULT' 5 'VERY DIFFICULT'
 7 'HAVE NOT HAD TO ARRANGE MENTAL HEALTH CARE (R VOLUNTEERED)'
 8 'DO NOT KNOW' 9 'REFUSED' /
 chrt30 1 'YES' 2 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
 chrt31 1 'COST/COULD NOT AFFORD CARE/MONEY'
 2 'NO HEALTH INSURANCE/TOO EXPENSIVE TO USE HEALTH INSURANCE: HIGH CO~PAYS, DEDUCTIBLES, ETC.'
 3 'DOCTOR/PROVIDER WOULD NOT ACCEPT MY INSURANCE'
 4 'DON''T LIKE DOCTORS/DON''T TRUST DOCTORS/FEAR'
 5 'THOUGHT WOULD GET BETTER ON OWN/PROBLEM NOT SEVERE'
 6 'DON''T BELIEVE IN DOCTORS/BELIEVE IN SELF HEALING'
 7 'TRANSPORTATION ISSUES' 8 'DON''T HAVE DOCTOR/CLINIC/ETC.'
 10 'TIME/TOO BUSY' 11 'DIDN''T FEEL LIKE GOING' 95 'MISC/OTHER'
 98 'DO NOT KNOW' 99 'REFUSED' /
 chrt55 1 'YES' 2 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
 chrt56 1 'COST/COULD NOT AFFORD CARE/MONEY'
 2 'FEAR NEIGHBORS/COMMUNITY FINDING OUT/JUDGING'
 3 'FEAR NEGATIVE EFFECT ON JOB'
 4 'HEALTH INSURANCE DOESN''T COVER ANY/ENOUGH MENTAL HEALTH TREATMENT'
 5 'DIDN''T KNOW WHERE TO GO/WHAT DOCTOR TO SEE'
 6 'FEAR COUNSELOR WON''T KEEP DISCUSSIONS CONFIDENTIAL'
 7 'FEAR BEING PUT ON MEDICATION OR COMMITTED TO HOSPITAL'
 8 'DIDN''T THINK TREATMENT WOULD HELP/COULD HANDLE WITHOUT TREATMENT'
 9 'DIDN''T HAVE TIME' 10 'TRANSPORTATION/LOCATION ISSUES'
 11 'NOT READY TO GET TREATMENT OR STOP USING/FEAR IMPACT ON RELATIONSHIPS OR SOCIAL LIFE'
 12 'NO OPENINGS IN PROGRAM' 95 'MISC/OTHER' 98 'DO NOT KNOW'
 99 'REFUSED' /
 chrt33 1 'YES' 2 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
 chrt34 1 'YES' 2 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
 chrt35 1 'YES' 2 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
 chrt36 1 'YES' 2 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
 chrt37 1 'YES' 2 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
 chrt38 1 'YES' 2 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
 chrt151a 1 'YES' 2 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
 chrt151b 1 'YES' 2 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
 chrt152a 0 'PRESCRIPTIONS' 97 'PRESCRIPTIONS' 98 'DO NOT KNOW'
 99 'REFUSED' /
 chrt152b 0 'PRESCRIPTIONS' 97 'PRESCRIPTIONS' 98 'DO NOT KNOW'
 99 'REFUSED' /
 chrt153 1 'YES' 2 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
 chrt154 0 'SPECIFY:OTHER' 1 'PURCHASED ANYWAY'
 2 'PURCHASED ANYWAY, BUT ALTERED DOSE (SPLITTING PILLS, TAKING LESS OFTEN, ETC.)'
 3 'BORROWED MONEY FROM A FAMILY MEMBER OR FRIEND'
 4 'ASKED DOCTOR FOR DIFFERENT MEDICATION/TREATMENT'
 5 'WENT OUTSIDE THE U.S. TO GET MEDICATION'
 6 'DID NOT GET THE MEDICATION' 98 'DO NOT KNOW' 99 'REFUSED' /
 RI 1 'YES' 5 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
 RIa 1 'YES' 3 'NO, DO NOT WANT TO GIVE EMAIL ADDRESS OUT'
 5 'NO, HAVE NO EMAIL' 8 'DO NOT KNOW' 9 'REFUSED' /
 final 1 'COMPLETED INTERVIEW' 2 'PARTIAL INTERVIEW' /
 races 1 'White' 2 'African American' 3 'Hawaiian Pacific Islander'
 4 'Asian' 5 'Native American' /
 agecat 1 '18 ~ 24 Yrs' 2 '25 ~ 29 Yrs' 3 '30 ~ 39 Yrs' 4 '40 ~ 49 Yrs'
 5 '50 ~ 59 Yrs' 6 '60 ~ 64 Yrs' 7 '65 or older' 9 'REFUSED' /
 msueregn 1 'UP' 2 'NORTH LP' 3 'W. CENTRAL' 4 'E. CENTRAL' 5 'SOUTHWEST'
 6 'SOUTHEAST URBAN' /
 rac3 0 'Refuse~Not codable' 1 'White' 2 'African American' 3 'Other'
 /
 AGE 0 'REFUSED/MISSING' /
 imprace 0 'Refuse~Not codable' 1 'White' 2 'African American' 3 'Other'
 /
 NewIncome 1 'Less than \$10,000' 2 '\$10,000~19,999' 3 '\$20,000~29,999'
 4 '\$30,000~39,999' 5 '\$40,000~49,999' 6 '\$50,000~59,999'

```

          7 '$60,000~69,999' 8 '$70,000~89,999' 9 '$90,000~99,999'
          10 '$100,000~149,999' 11 '$150,000 or More' 98 'DO NOT KNOW'
          99 'REFUSED' /
source    1 'Fresh Landline' 2 'Recall Landline' 3 'Fresh Cell'
          4 'Recall Cell' /
educat4   1 '< H.S.' 2 'H.S. Grad' 3 'Some College' 4 'College+' /
.

```

COMMENT md, min and max specifications were translated into the
COMMENT following "MISSING VALUES" commands and "IF" statements:.

```

MISSING VALUES CC1 (9,8).
MISSING VALUES CC2 (9,8).
MISSING VALUES CC3 (9,8).
MISSING VALUES CC4 (9,8).
MISSING VALUES CC5 (9,8).
MISSING VALUES CC6 (9,8).
MISSING VALUES A1 (99,98).
MISSING VALUES PO1 (9,8).
MISSING VALUES PO2 (9,8).
MISSING VALUES D10 (9,8).
MISSING VALUES D11 (9,8).
MISSING VALUES D12 (9,8).
MISSING VALUES P4a (99,98).
MISSING VALUES CD2 (99).
MISSING VALUES CD3 (99,98).
MISSING VALUES CD5a (9,8).
MISSING VALUES CD6 (99,98).
MISSING VALUES CD7@a (9,8).
MISSING VALUES CD7@b (9,8).
MISSING VALUES CD7@c (9,8).
MISSING VALUES CD7@d (9,8).
MISSING VALUES partyid (9,8).
MISSING VALUES P17@a (9,8).
MISSING VALUES P17@b (9,8).
MISSING VALUES P17@c (9,8).
MISSING VALUES P17@d (9,8).
MISSING VALUES ideology (9,8).
MISSING VALUES CD8 (9,8).
MISSING VALUES CD10 (99,98).
MISSING VALUES CD11 (99,98).
MISSING VALUES CD15 (99,98).
MISSING VALUES UN1 (9,8).
MISSING VALUES UN2 (9,8).
MISSING VALUES UN3 (9,8).
MISSING VALUES inca (9,8).
MISSING VALUES incb (9,8).
MISSING VALUES incca (9,8).
MISSING VALUES incc (9,8).
MISSING VALUES incd (9,8).
MISSING VALUES incf (9,8).
MISSING VALUES incg (9,8).
MISSING VALUES inch (9,8).
MISSING VALUES incha (9,8).
MISSING VALUES inci (9,8).
MISSING VALUES CD26 (99,98).
MISSING VALUES X1 (9,8).
MISSING VALUES zipcode (9,8).
MISSING VALUES demo_county (999).
MISSING VALUES demo_Detroit (9,8).
MISSING VALUES cellular2 (99,98).
MISSING VALUES demo_cell1 (9,8).
MISSING VALUES demo_cell4 (999,888).
MISSING VALUES water01 (9,8).
MISSING VALUES water02 (9,8).
MISSING VALUES water03a (9,8).
MISSING VALUES water03b (9,8).

```

MISSING VALUES water04 (9,8).
MISSING VALUES water05 (9,8).
MISSING VALUES water06a (9,8).
MISSING VALUES water06b (9,8).
MISSING VALUES water06c (9,8).
MISSING VALUES water06d (9,8).
MISSING VALUES water06e (9,8).
MISSING VALUES water06f (9,8).
MISSING VALUES water06g (9,8).
MISSING VALUES water07a (9,8).
MISSING VALUES water07b (9,8).
MISSING VALUES water07c (9,8).
MISSING VALUES water07d (9,8).
MISSING VALUES water07e (9,8).
MISSING VALUES water08a (9,8).
MISSING VALUES water08b (9,8).
MISSING VALUES water08c (9,8).
MISSING VALUES water08d (9,8).
MISSING VALUES water09a (9,8).
MISSING VALUES water09b (9,8).
MISSING VALUES water09c (9,8).
MISSING VALUES water09d (9,8).
MISSING VALUES water10 (9,8).
MISSING VALUES water11 (9,8).
MISSING VALUES water12a (9,8).
MISSING VALUES water12b (9,8).
MISSING VALUES water12c (9,8).
MISSING VALUES water12d (9,8).
MISSING VALUES water12e (9,8).
MISSING VALUES water13 (9,8).
MISSING VALUES water14 (9,8).
MISSING VALUES chrt1 (9,8).
MISSING VALUES chrt2 (99,98).
MISSING VALUES chrt103 (9,8).
MISSING VALUES chrt104 (9,8).
MISSING VALUES chrt105 (9,8).
MISSING VALUES chrt106 (99,98).
MISSING VALUES chrt107 (9,8).
MISSING VALUES chrt3 (9,8).
MISSING VALUES chrt4 (9,8).
MISSING VALUES chrt6 (9,8).
MISSING VALUES chrt5 (9,8).
MISSING VALUES chrt7 (9,8).
MISSING VALUES chrt8 (9,8).
MISSING VALUES chrt115a (9,8).
MISSING VALUES chrt115b (9,8).
MISSING VALUES chrt115c (9,8).
MISSING VALUES chrt115d (9,8).
MISSING VALUES chrt115e (9,8).
MISSING VALUES chrt115f (9,8).
MISSING VALUES chrt115g (9,8).
MISSING VALUES chrt115h (9,8).
MISSING VALUES chrt115i (9,8).
MISSING VALUES chrt116 (9,8).
MISSING VALUES chrt117 (9,8).
MISSING VALUES chrt118 (9,8).
MISSING VALUES chrt14 (9,8).
MISSING VALUES chrt15 (99,98).
MISSING VALUES chrt16 (9,8).
MISSING VALUES chrt119 (9,8).
MISSING VALUES chrt32a (9,8).
MISSING VALUES chrt32b (9,8).
MISSING VALUES chrt32c (9,8).
MISSING VALUES chrt32d (9,8).
MISSING VALUES chrt32e (9,8).
MISSING VALUES chrt120f (9,8).
MISSING VALUES chrt120g (9,8).

```

MISSING VALUES chrt51 (99,98).
MISSING VALUES chrt18 (9,8).
MISSING VALUES chrt19 (99,98).
MISSING VALUES chrt20 (99,98).
MISSING VALUES chrt52 (9,8).
MISSING VALUES chrt53 (9,8).
MISSING VALUES chrt54 (99,98).
MISSING VALUES chrt21 (9,8).
MISSING VALUES chrt22 (9,8).
MISSING VALUES chrt23 (9,8).
MISSING VALUES chrt24 (9,8).
MISSING VALUES chrt135 (9,8).
MISSING VALUES chrt133a (99,98).
MISSING VALUES chrt133b (99,98).
MISSING VALUES chrt133c (99,98).
MISSING VALUES chrt133d (99,98).
MISSING VALUES chrt133e (99,98).
MISSING VALUES chrt133f (99,98).
MISSING VALUES chrt133g (99,98).
MISSING VALUES chrt134 (99,98).
MISSING VALUES chrt25 (9,8).
MISSING VALUES chrt26 (99,98).
MISSING VALUES chrt27 (9,8).
MISSING VALUES chrt29 (9,8).
MISSING VALUES chrt139 (9,8).
MISSING VALUES chrt140 (9,8).
MISSING VALUES chrt30 (9,8).
MISSING VALUES chrt31 (99,98).
MISSING VALUES chrt55 (9,8).
MISSING VALUES chrt56 (99,98).
MISSING VALUES chrt33 (9,8).
MISSING VALUES chrt34 (9,8).
MISSING VALUES chrt35 (9,8).
MISSING VALUES chrt36 (9,8).
MISSING VALUES chrt37 (9,8).
MISSING VALUES chrt38 (9,8).
MISSING VALUES chrt151a (9,8).
MISSING VALUES chrt151b (9,8).
MISSING VALUES chrt152a (99,98).
MISSING VALUES chrt152b (99,98).
MISSING VALUES chrt153 (9,8).
MISSING VALUES chrt154 (99,98).
MISSING VALUES RI (9,8).
MISSING VALUES RIa (9,8).
MISSING VALUES agecat (9).
MISSING VALUES adjwt2 (0.0000).
MISSING VALUES msueregn (0).
MISSING VALUES rac3 (9,0).
MISSING VALUES AGE (0).
MISSING VALUES imprace (0).
MISSING VALUES NewIncome (98,99).
MISSING VALUES source (0).
MISSING VALUES educat4 (0).

SAVE OUTFILE="" /* Replace 'y' with name to give your system file
/MAP
/COMPRESSED /* Delete this line if you want an uncompressed file
.
```

13. SPSS Weighting Syntax

```

* Encoding: windows-1252.
* INSTRUCTIONS:.
* Follow all ACTION comments and run all commands in order unless ACTION says otherwise.
* When ACTION says to Enter into Excel, put values into yellow cells.
* When ACTION says to copy weights, copy the pale green cells and overwrite only the lines below
that match them.
* Always run all syntax between ACTION steps as a block (highlight lines and Run).
* Ignore all other comments (they're mostly just informative).

* ACTION: Open Recall dataset.

DELETE VARIABLES CD5a, CD4@a CD4@b CD4@c CD4@d CD4@e CD4@f CD4@g, CD6, CD7@a CD7@b CD7@c CD7@d.
DELETE VARIABLES partyid, P17@a P17@b P17@c P17@d, ideology, income, males, females, listed.
DELETE VARIABLES LANDLINE CELLUSE.
freq var=cnty regn.

* ACTION: If cnty and regn are broken, run following line. Otherwise skip.
DELETE VARIABLES cnty, regn.

* ACTION: Run soss##_types.sps .
SORT CASES by CASEID (A).

* ACTION: Save as soss##recall###a-sorted.sav .
* ACTION: Open unweighted original RDD dataset from SOSS n-2 (source of Recall; e.g. soss[##-
2]rdd###a.sav).
* ACTION: Close Recall dataset.
SORT CASES by CASEID (A).
* ACTION: Save as soss[##-2]rddrecallsourcesorted.sav in current FinalData directory.

* ACTION: Open unweighted original Cell dataset from SOSS n-2 (source of Recall; e.g. soss[##-
2]cell###a.sav).
* ACTION: Close RDD Recall source dataset.
SORT CASES by CASEID (A).
* ACTION: Save as soss[##-2]cellrecallsourcesorted.sav in current FinalData directory.

* ACTION: Merge rddrecallsources into cellrecallsources (Data>Merge>Add cases), use all variables.
SORT CASES by CASEID (A).
* ACTION: Run soss##_types.sps .
* ACTION: Save as soss[##-2]recallsourcesorted.sav .
*Note that the next step won't do anything unless it was a Winter round.
RENAME VARIABLES D10=xD10 D11=xD11 D12=xD12.
* ACTION: Save as soss##recallsourcesready.

* ACTION: Open soss##recall###a-sorted.sav .
* ACTION: Close recallsources dataset.
* ACTION: Data > Merge Files > Add Variables
* ACTION: Use soss##recallsourcesready, Non-active is Keyed on CASEID, include all vars in active
(*), include only the following variables from other (+):
* listed.
* CD5a, CD4@a-@x, CD6, CD7@a-@d, partyid, P17@a-@d, ideology, income (where CD4@x is the last
CD4@ listed, typically @g).
* males, females.
* LANDLINE, CELLUSE.
* FNL.
* (cnty, regn if broken in Recall).

FREQUENCIES VARIABLES=CASEID
/ORDER=ANALYSIS.

* ACTION: Confirm total number of cases matches filename.
* ACTION: Save as soss##recall###a-merged (## = current SOSS).

* ACTION: Change character at end of COMPUTE line to first char in RDD Recall CaseIDs (should be
next letter in alphabet).

USE ALL.
COMPUTE filter_$(CHAR.SUBSTR(CASEID,1,1)='q').

```

```

VARIABLE LABELS filter_$ "CHAR.SUBSTR(CASEID,1,1)='a' (FILTER)".
VALUE LABELS filter_$ 0 'Not Selected' 1 'Selected'.
FORMATS filter_$ (f1.0).
FILTER BY filter_$.
EXECUTE.
USE ALL.
if(filter_#=1)source=2.

* ACTION: Change character in at end of COMPUTE line to first char in Cell Recall CaseIDs (should
be next letter in alphabet).

USE ALL.
COMPUTE filter_#=(CHAR.SUBSTR(CASEID,1,1)='d').
VARIABLE LABELS filter_# "CHAR.SUBSTR(CASEID,1,1)='a' (FILTER)".
VALUE LABELS filter_# 0 'Not Selected' 1 'Selected'.
FORMATS filter_# (f1.0).
FILTER BY filter_#.
EXECUTE.
USE ALL.
if(filter_#=1)source=4.

value labels source 1 'Fresh Landline' 2 'Recall Landline' 3 'Fresh Cell' 4 'Recall Cell'.
freq var=source.

DATASET COPY rdd.
DATASET ACTIVATE rdd.
FILTER OFF.
USE ALL.
SELECT IF (source=2).
EXECUTE.

FREQUENCIES VARIABLES=CASEID
/ORDER=ANALYSIS.

* ACTION: Save new dataset as soss##recallrdd###a.sav (### = # cases).
* ACTION: Close RDD Recall dataset.

USE ALL.
DATASET COPY cell.
DATASET ACTIVATE cell.
FILTER OFF.
USE ALL.
SELECT IF (source=4).
EXECUTE.

FREQUENCIES VARIABLES=CASEID
/ORDER=ANALYSIS.

* ACTION: Save new dataset as soss##recallcell###a.sav .
* ACTION: Close Cell Recall dataset.

* ACTION: Open Fresh RDD data (soss##rdd###a.sav).
* ACTION: Close Merged Recall dataset (don't save).
* ACTION: Run soss##_types.sps .

SORT CASES by CASEID (A).
compute source=1.
value labels source 1 'Fresh Landline' 2 'Recall Landline' 3 'Fresh Cell' 4 'Recall Cell'.
freq var=source.

* ACTION: Merge (Add Cases) RDD Recall data (soss##recallrdd###a.sav) with current dataset, keep
all variables from active dataset.

SORT CASES by CASEID (A).
freq var=source.

* ACTION: Confirm Frequencies.

```

```

* ACTION: Save Combined data as soss##fullrdd###a.sav (where ### is the total number of cases in
the file).

compute newregn2=0.
if (cnty=26049 or cnty=26087 or cnty=26091 or cnty=26093 or cnty=26099 or cnty=26115)newregn2=6.
if (cnty=26125 or cnty=26147 or cnty=26161 or cnty=26163)newregn2=6.

if (cnty=26021 or cnty=26023 or cnty=26025 or cnty=26027 or cnty=26045)newregn2=5.
if (cnty=26059 or cnty=26065 or cnty=26075 or cnty=26077 or cnty=26149)newregn2=5.
if (cnty=26159)newregn2=5.

if (cnty=26005 or cnty=26015 or cnty=26067 or cnty=26081 or cnty=26085)newregn2=3.
if (cnty=26101 or cnty=26105 or cnty=26107 or cnty=26117 or cnty=26121)newregn2=3.
if (cnty=26123 or cnty=26127 or cnty=26133 or cnty=26139)newregn2=3.

if (cnty=26011 or cnty=26017 or cnty=26035 or cnty=26037 or cnty=26051)newregn2=4.
if (cnty=26057 or cnty=26063 or cnty=26073 or cnty=26111 or cnty=26145)newregn2=4.
if (cnty=26151 or cnty=26155 or cnty=26157)newregn2=4.

if (cnty=26001 or cnty=26007 or cnty=26009 or cnty=26019 or cnty=26029)newregn2=2.
if (cnty=26031 or cnty=26039 or cnty=26047 or cnty=26055 or cnty=26069)newregn2=2.
if (cnty=26079 or cnty=26089 or cnty=26113 or cnty=26119 or cnty=26129)newregn2=2.
if (cnty=26137 or cnty=26135 or cnty=26141 or cnty=26143 or cnty=26165)newregn2=2.

if (cnty=26003 or cnty=26013 or cnty=26033 or cnty=26041 or cnty=26043)newregn2=1.
if (cnty=26053 or cnty=26061 or cnty=26071 or cnty=26083 or cnty=26095)newregn2=1.
if (cnty=26097 or cnty=26103 or cnty=26109 or cnty=26131 or cnty=26153)newregn2=1.
if (regn=7)newregn2=7.

value labels regn newregn2 1 'UP' 2 'N.LP' 3 'W.Central' 4 'E.Central' 5 'Southwest' 6 'Southeast'
7 'Detroit'.
freq var=newregn2.
crosstab table=regn by newregn2.

* ACTION: Confirm that regions don't overlap in data.
* ACTION: Confirm total sample size.

recode regn (sysmis=9).
if (regn ne newregn2)regn=newregn2.
freq var=regn listed.
recode listed (0=2).
weight off.
frequencies variables=listed.

* ACTION: Open SSSwt## 01a.xlsx and go to first tab ("1st Iter").
* ACTION: Enter freq into Excel.
* ACTION: Copy weights (Syntax column) into section below.
compute listwt=1.

if (listed=1 or listed=3)listwt=0.75873.
if (listed=2)listwt=2.44239.

weight by listwt.
freq var=listed regn.

compute tempwt=listwt*10.
weight by tempwt.
*weight off.
missing values cd26 ().
freq var=cd26.

frequencies variables=cd26.
recode cd26 (0,sysmis=99).
frequencies variables=cd26.

* ACTION: Confirm recoding of incorrect 0s and blanks as 99 (REFUSED/Missing) - Artifact of
allowing 0 response in Recall Cell.

```



```

frequencies variables=demo_cell1.
missing values demo_cell1 ().
recode demo_cell1 (sysmis=9).
if (demo_cell1=2 and cd26 lt 98)numphone=cd26.
if (demo_cell1=1 and cd26 lt 98)numphone=cd26+1.
if (demo_cell1 ge 8)numphone=cd26+1.
if (cd26=99 and demo_cell1=2)numphone=1.
if (cd26=99 and demo_cell1=1)numphone=2.
if (cd26=99 and demo_cell1 gt 2)numphone=2.
*if (demo_cell1 ge 7)numphone=cd26.
recode numphone (sysmis=1).

frequencies variables=numphone.

* ACTION: Enter freq into Excel (be mindful of skipped cells).
* ACTION: Copy weights into section below.
* This weights households by number of phone lines.
compute phwt=listwt.

if (numphone eq 1 or numphone ge 98)phwt=1.7474*listwt.
if (numphone eq 2)phwt=0.8737*listwt.
if (numphone eq 3)phwt=0.58247*listwt.
if (numphone eq 4)phwt=0.43685*listwt.
if (numphone eq 5)phwt=0.34948*listwt.
if (numphone eq 6)phwt=1*listwt.
if (numphone eq 7)phwt=1*listwt.
if (numphone eq 8)phwt=0.21842*listwt.
if (numphone eq 9)phwt=1*listwt.
if (numphone eq 10)phwt=1*listwt.

weight by phwt.
FREQUENCIES
  VARIABLES= cd10 cd26 numphone.

* ACTION: Confirm total against Excel.

compute roundwt=10*phwt.
weight by roundwt.
freq var=cd10.
missing values cd10 ().
recode cd10 (sysmis,98=1).
recode cd10 (sysmis,99=1).

*missing recoded as 1 due to assumption that those living alone are less likely to want it known.
compute adults=cd10.
freq var=adults cd10.

* ACTION: Enter freq into Excel (be mindful of skipped cells).
* ACTION: Copy weights into section below.
* This adjusts weight by number of adults in the household.
compute adlwt=phwt.

if (cd10=1 or cd10=99)adlwt=phwt*0.62282.
if (cd10=2)adlwt=phwt*1.24563.
if (cd10=3)adlwt=phwt*1.86845.
if (cd10=4)adlwt=phwt*2.49127.
if (cd10=5)adlwt=phwt*3.11409.
if (cd10=6)adlwt=phwt*3.7369.
if (cd10=7)adlwt=phwt*1.
if (cd10=8)adlwt=phwt*1.
if (cd10=9)adlwt=phwt*1.
if (cd10=10)adlwt=phwt*1.
if (cd10=11)adlwt=phwt*1.
if (cd10=12)adlwt=phwt*1.
if (cd10=13)adlwt=phwt*1.

```

```

weight by adltwt.
freq var=cd10.

* ACTION: Confirm total against Excel (if no match, re-check for skipped cells in freqs).
*compute phstatus=9.
*if (demo_cell1=9)phstatus=2.
* The statement above should be unnecessary if demo_cell1 was NOT skipped incorrectly in the q
instrument.

if (demo_cell1=2)phstatus=1.
if (demo_cell1 =1)phstatus=2.
if (demo_cell1=9)phstatus=2.
missing values phstatus (9).
value labels phstatus 1 'Landline only' 2 'Both Land and Cell' 3 'Cell only'.
frequencies variables=phstatus.

* ACTION: Confirm total number of cases.
* ACTION: Save RDD data (e.g., ...b.sav).

* ACTION: Open Fresh Cell data (e.g., soss##cell###a.sav).
* ACTION: Close RDD data.
* ACTION: Run soss##_types.sps on Cell.

SORT CASES by CASEID (A).
compute source=3.
value labels source 1 'Fresh Landline' 2 'Recall Landline' 3 'Fresh Cell' 4 'Recall Cell'.
freq var=source.

* ACTION: Merge (Add Cases) Cell Recall data (soss##recallcell###a.sav) with current dataset,
keep all variables from active dataset.

recode listed (0=2).

SORT CASES by CASEID (A).
freq var=source.

* ACTION: Confirm Frequencies.
* ACTION: Save Combined Cell data as soss##fullcell###a.sav .

compute newregn2=0.
if (cnty=26049 or cnty=26087 or cnty=26091 or cnty=26093 or cnty=26099 or cnty=26115)newregn2=6.
if (cnty=26125 or cnty=26147 or cnty=26161 or cnty=26163)newregn2=6.

if (cnty=26021 or cnty=26023 or cnty=26025 or cnty=26027 or cnty=26045)newregn2=5.
if (cnty=26059 or cnty=26065 or cnty=26075 or cnty=26077 or cnty=26149)newregn2=5.
if (cnty=26159)newregn2=5.

if (cnty=26005 or cnty=26015 or cnty=26067 or cnty=26081 or cnty=26085)newregn2=3.
if (cnty=26101 or cnty=26105 or cnty=26107 or cnty=26117 or cnty=26121)newregn2=3.
if (cnty=26123 or cnty=26127 or cnty=26133 or cnty=26139)newregn2=3.

if (cnty=26011 or cnty=26017 or cnty=26035 or cnty=26037 or cnty=26051)newregn2=4.
if (cnty=26057 or cnty=26063 or cnty=26073 or cnty=26111 or cnty=26145)newregn2=4.
if (cnty=26151 or cnty=26155 or cnty=26157)newregn2=4.

if (cnty=26001 or cnty=26007 or cnty=26009 or cnty=26019 or cnty=26029)newregn2=2.
if (cnty=26031 or cnty=26039 or cnty=26047 or cnty=26055 or cnty=26069)newregn2=2.
if (cnty=26079 or cnty=26089 or cnty=26113 or cnty=26119 or cnty=26129)newregn2=2.
if (cnty=26137 or cnty=26135 or cnty=26141 or cnty=26143 or cnty=26165)newregn2=2.

if (cnty=26003 or cnty=26013 or cnty=26033 or cnty=26041 or cnty=26043)newregn2=1.
if (cnty=26053 or cnty=26061 or cnty=26071 or cnty=26083 or cnty=26095)newregn2=1.
if (cnty=26097 or cnty=26103 or cnty=26109 or cnty=26131 or cnty=26153)newregn2=1.
if (regn=7)newregn2=7.

value labels regn newregn2 1 'UP' 2 'N.LP' 3 'W.Central' 4 'E.Central' 5 'Southwest' 6 'Southeast'
7 'Detroit'.

```

```

freq var=newregn2.
crosstab table=regn by newregn2.

* ACTION: Confirm that regions don't overlap.

if (regn ne newregn2)regn=newregn2.
freq var=regn listed.
*compute listed=listed59.
frequencies variables=listed.

* ACTION: Confirm total sample size.

weight off.
compute listwt=1.
recode listed (1=3).
value labels listed 1 'listed Landlline' 2 'not listed Landline' 3 'cell phone'.
weight by listwt.
freq var=listed regn.
compute tempwt=listwt*10.
weight by tempwt.
*weight off.
missing values cd26 ().
frequencies variables=landline cd26.
if (landline=2)numphone=1.
if (landline=1 and cd26 lt 98)numphone=cd26+1.
*Assigns value of 2 for anyone who has landline but refused to say how many (one home phone, one
cell phone).
if (landline=1 and cd26=99)numphone=2.
*SOSS64 didn't ask recall cell about landlines. Next two lines should be removed once fixed+2
(SOSS67).
if (cd26 lt 98 and sysmis(landline))numphone=cd26+1.
if (cd26=99 and sysmis(landline))numphone=2.
frequencies variables=numphone.

* ACTION: Enter freq into Excel (be mindful of skipped cells).
* ACTION: Copy weights into section below.
* This weights households by number of phone lines.
compute phwt=listwt.

if (numphone eq 1 or numphone ge 98)phwt=1.21394*listwt.
if (numphone eq 2)phwt=0.60697*listwt.
if (numphone eq 3)phwt=0.40465*listwt.
if (numphone eq 4)phwt=0.30348*listwt.
if (numphone eq 5)phwt=1*listwt.
if (numphone eq 6)phwt=0.20232*listwt.
if (numphone eq 7)phwt=1*listwt.
if (numphone eq 8)phwt=1*listwt.

weight by phwt.
FREQUENCIES
  VARIABLES= CD10 numphone .
compute roundwt=10*phwt.
weight by roundwt.
freq var=cd10.

* ACTION: Confirm sample size.

missing values cd10 ().
recode cd10 (sysmis,99=1).
compute adults=cd10.
freq var=adults cd10.
* This adjusts weight by number of adults in the household.
compute adltwt=phwt.
weight by adltwt.
freq var=cd10.
compute phstatus=9.
if (numphone=1)phstatus=3.

```

```

if (numphone gt 1)phstatus=2.
missing values phstatus (9).
frequencies variables=phstatus.
missing values phstatus ().

* ACTION: Confirm sample size.

* ACTION: Save Cell data (e.g., ...b.sav).
* ACTION: Merge (Add Cases) Landline data (soss##fullrdd##b.sav) with Cell data, keep all
variables.

SORT CASES by CASEID (A).
freq var=source.
missing values CD1 (-9,9).

* ACTION: Confirm source breakdown.
* ACTION: Save merged file as soss##all###a.sav .
* ACTION: Save syntax (this file) as new version (e.g., ...b.sps).
* ACTION: Save Excel as new version (e.g., ...b.xlsx).

* Fix incorrect final codes.
recode final (3=2).
recode final (sysmis=2).

compute tempwt=adltwt*10.
weight by tempwt.

frequencies variables = phstatus.

* ACTION: Enter freq into Excel.
* ACTION: Copy weights into section below.
missing values phstatus ().
compute landcellwt=1.

if (phstatus eq 1 or phstatus=9)landcellwt=0.61271*adltwt.
if (phstatus eq 2)landcellwt=1.03581*adltwt.
if (phstatus eq 3)landcellwt=1.04366*adltwt.

weight by landcellwt.
frequencies variables= phstatus.

* ACTION: Confirm total against Excel.
* ACTION: Enter total into Excel as Wted N.

weight off.
frequencies variables=phstatus.

* ACTION: Enter total into Excel as Actual N.
* ACTION: Copy weight into section below.

compute totalwt=1*landcellwt.

weight by totalwt.
frequencies variables=phstatus source.
*compute roundwt=adltwt*.5341.
compute tempwt=totalwt*10.
weight by tempwt.
recode x1 (98=8)(99=9).
frequencies variables=x1.
recode cd1 cd2 (sysmis=-9).
recode cd1 (2=5).
value labels cd1 1 'Male' 5 'Female'.
FREQUENCIES
  VARIABLES=cd1 cd2.
*missing values cd2 ().
*temporary.
*select if (cd2=99 and sample=1).

```

```

*freq var=caseid.
compute age=0.
if (cd2 gt 9)age=2018-cd2.
*if (cd2 gt 88 and cd2 lt 900)age=100+(100-cd2).
if (cd2 le 9)age=0.
if (age=17)age=18.
if (age le 0)age=0.
if (age ge 18 and age lt 25)agecat=1.
if (age ge 25 and age lt 30)agecat=2.
if (age ge 30 and age lt 40)agecat=3.
if (age ge 40 and age lt 50)agecat=4.
if (age ge 50 and age lt 60)agecat=5.
if (age ge 60 and age lt 65)agecat=6.
if (age ge 65)agecat=7.
if (age le 17)agecat=9.
if (age eq 107)agecat=9.
missing values age (0)/agecat (9).
value labels agecat 1 '18 - 24 Yrs' 2 '25 - 29 Yrs' 3 '30 - 39 Yrs'
  4 '40 - 49 Yrs' 5 '50 - 59 Yrs' 6 '60 - 64 Yrs' 7 '65 or older' 9 'missing'.
recode age (18 thru 29=1)(30 thru 39=2)(40 thru 49=3)(50 thru 59=4)(60 thru 69=5)(70 thru 79=6)(80
thru 99=7) into agecat7.
value labels agecat7 1 '18-29' 2 '30-39' 3 '40-49' 4 '50-59' 5 '60-69' 6 '70-79' 7 '80+'.
frequencies variables= agecat7.
freq var=age.
freq var=agecat.
freq var=regn.
compute rac3=0.
compute multrace=0.
count mult2=cd4@a to cd4@e (1).
if (mult2=0 and cd5a=1)races=1.
if (cd4@a=1 and mult2=1)races=1.
if (cd4@b=1 and mult2=1)races=2.
if (cd4@c=1 and mult2=1)races=3.
if (cd4@d=1 and mult2=1)races=4.
if (cd4@e=1 and mult2=1)races=5.
if (mult2 gt 1 and cd4@e=1)races=5.
if (mult2 gt 1 and cd4@d=1)races=4.
if (mult2 gt 1 and cd4@c=1)races=3.
if (mult2 gt 1 and cd4@b=1)races=2.
recode races (1=1)(2=2)(3,4,5=3) into rac3.
value labels races 1 'white' 2 'black' 3 'hawaiian, PI'
  4 'asian' 5 'indian'/rac3 1 'white' 2 'black' 3 'other'.
missing values rac3 ().
compute imprace=rac3.
if (imprace=0 and regn=7)imprace=2.
if (imprace=0 and regn lt 7)imprace=1.
value labels imprace 1 'white' 2 'black' 3 'other'.
freq var=imprace.
weight off.
freq var=listed.
*compute adj1=adltwt.
compute adj1=totalwt.
compute ovrsamwt=adj1.
compute roundwt=ovrsamwt*10.
weight by tempwt.
  frequencies variables=cd1.
*recode cd1 (1=1)(2=5).
frequencies variables=cd1.
CROSSTABS
  /TABLES= regn BY imprace
  /FORMAT= AVALUE NOINDEX BOX LABELS TABLES
  /CELLS= COUNT.
compute REGNRACEwt=ovrsamwt.

* ACTION: Enter Total freqs (last row) into Excel.
* ACTION: Copy weights into section below.

```

```

if (imprace eq 1)REGNRACEwt=ovrsamwt*0.90599.
if (imprace eq 2)REGNRACEwt=ovrsamwt*1.36737.
if (imprace eq 3)REGNRACEwt=ovrsamwt*2.61189.

weight by REGNRACEwt.
CROSSTABS
  /TABLES=imprace BY regn
  /FORMAT= AVALUE NOINDEX BOX LABELS TABLES
  /CELLS= COUNT tot.
* This weights cases by gender, imprace and region.
compute roundwt=REGNRACEwt*10.
weight by roundwt.
crosstabs tables=agecat7 by cd1/cells count.

* ACTION: Copy table into first worksheet of Converter.xlsx (age_gender), copy highlighted content
to weighting spreadsheet (Paste Special > Values).
* ACTION: Copy weights into section below.
recode cd1 (5=2).
compute sexagewt=REGNRACEwt.

if (cd1=1 and agecat7 eq 1)sexagewt=REGNRACEwt*1.35304.
if (cd1=1 and agecat7 eq 2)sexagewt=REGNRACEwt*1.28942.
if (cd1=1 and agecat7 eq 3)sexagewt=REGNRACEwt*1.15332.
if (cd1=1 and agecat7 eq 4)sexagewt=REGNRACEwt*0.99877.
if (cd1=1 and agecat7 eq 5)sexagewt=REGNRACEwt*0.56825.
if (cd1=1 and agecat7 eq 6)sexagewt=REGNRACEwt*0.52796.
if (cd1=1 and agecat7 eq 7)sexagewt=REGNRACEwt*0.86981.

if (cd1=2 and agecat7 eq 1)sexagewt=REGNRACEwt*1.69005.
if (cd1=2 and agecat7 eq 2)sexagewt=REGNRACEwt*2.06028.
if (cd1=2 and agecat7 eq 3)sexagewt=REGNRACEwt*2.00425.
if (cd1=2 and agecat7 eq 4)sexagewt=REGNRACEwt*1.17864.
if (cd1=2 and agecat7 eq 5)sexagewt=REGNRACEwt*0.61909.
if (cd1=2 and agecat7 eq 6)sexagewt=REGNRACEwt*0.46783.
if (cd1=2 and agecat7 eq 7)sexagewt=REGNRACEwt*0.84708.

weight by sexagewt.
compute roundwt=sexagewt*10.
weight by roundwt.
freq var=regn

* ACTION: Enter freq into Excel as Wtd (left column).

weight off.
freq var=regn.

* ACTION: Enter freq into Excel as Actual N (right column).
* ACTION: Copy weights into section below.
*The following command adjusts the number of cases in each region back to the actual number
interviewed.
compute adjwt=sexagewt.

if (regn=1)adjwt=sexagewt*1.06965.
if (regn=2)adjwt=sexagewt*1.40878.
if (regn=3)adjwt=sexagewt*1.00858.
if (regn=4)adjwt=sexagewt*1.14799.
if (regn=5)adjwt=sexagewt*1.00067.
if (regn=6)adjwt=sexagewt*0.98352.
if (regn=7)adjwt=sexagewt*0.76147.

weight by adjwt.
freq var=regn.
weight off.
freq var=regn.
recode regn (1=1) (2=2) (3=3) (4=4) (5=5) (6=6) (7=6) into msuereg.
value labels msuereg 1 'UP' 2 'North LP' 3 'W.Central' 4 'E.Central'
5 'Southwest' 6 'Southeast Urban'.

```

```

compute tempwt=10*adjwt.
weight by tempwt.
freq var=msueregn newregn2.

* ACTION: Copy weights into section below (Excel calculates based on prior input).
compute msuewt=adjwt.

if (regnt=7)msuewt=adjwt*0.70619.
if (regnt=6)msuewt=adjwt*1.06285.

weight by msuewt.
freq var=msueregn regn cd1.
compute roundwt=msuewt*10.
weight by roundwt.
freq var=msueregn.

* ACTION: Enter freq into Excel.
* ACTION: Copy weights into section below.
compute statewt=msuewt.

if (msueregn eq 1)statewt=msuewt*0.71842.
if (msueregn eq 2)statewt=msuewt*0.78418.
if (msueregn eq 3)statewt=msuewt*1.05073.
if (msueregn eq 4)statewt=msuewt*0.9862.
if (msueregn eq 5)statewt=msuewt*0.88883.
if (msueregn eq 6)statewt=msuewt*1.07607.

req var=regnt msueregn.
frequencies variables=cd1 cd3 cd5a rac3 cd8 cd10 cd15 agecat imprace .
recode cd6 (7=6).
freq var=imprace.
compute laborforce=-9.
if (CD15 lt 7 or cd15=11)laborforce=1.
if (cd15 ge 7 and cd15 lt 11)laborforce=2.
missing values laborforce (-9).
value labels laborforce 1 'In the labor force' 2 'Not in labor force'.
variable labels laborforce 'Is respondent in the labor force or not'.
frequencies variables=laborforce.
crosstabs tables=cd15 by laborforce /cells count column.
*compute statewtsx=statewt.
*if (cd1 =1)statewtsx=statewt*0.955063.
*if (cd1 = 5)statewtsx=statewt*1.045662.
*weight by statewtsx.
*frequencies variables=cd1 cd3 cd5a rac3 cd8 cd10 cd15 agecat.
*compute statewt=statewtsx.
*weight by statewt.
*recode cd11 (sysmis=-9).
*if (cd10 =1 and (age ge 65 and age lt 99))cd11=1.
*if (cd10=1 and age lt 65)cd11=0.
*recode cd11 (-9=99).
* This calculates household income categories a different way assigning the case
  to the category represented by the last valid (i.e., non-DONT KNOW or REFUSAL)
  response obtained; It corrects an error in the storing of the separate income question
  responses in the INCOME question in the cati instrument (including an incorrect skip
  pattern and also minimizes the number of cases for which missing data values are
  stored by utilizing their last valid response.
freq var=income.
recode income (sysmis=-9).
missing values inca ().
compute newinc=0.
if (inca=8)newinc=98.
if (inca=9)newinc=99.
if (inca=1)newinc=5.
if (inca=5)newinc=4.
if (inca=1)newinc=2.
if (inca=5)newinc=3.
if (incca=5)newinc=4.

```

```

if (incca=1)newinc=3.
if (incc=5)newinc=2.
if (incc=1)newinc=1.
if (incd=1)newinc=7.
if (incd=5)newinc=5.
if (incf=5)newinc=5.
if (incf=1)newinc=6.
if (incg=5)newinc=6.
if (incg=1)newinc=10.
if (incg=5)newinc=7.
if (inch=5)newinc=7.
if (inch=1)newinc=8.
if (incha=5)newinc=8.
if (incha=1)newinc=9.
if (inci=5)newinc=10.
if (inci=1)newinc=11.
missing values newinc (0,98,99).
value labels newinc 1 '< $10k' 2 '$10k < $20k' 3 '$20k <$30k' 4 '$30 < $40k' 5 '$40k < $50k' 6
'$50k < $60k'
7 '$60k < $70k' 8 '$70k < $90k' 9 '$90k < $100k' 10 '$100k < $150k' 11 '$150k+' 98 'DK'
99 'REF'.
frequencies variables=newinc.

recode cd3 (0 thru 11=1)(12=2)(13 thru 15, 20=3)(16 thru 18=4) into educat4.
value labels educat4 1 'LT HS' 2 'HS' 3 'Some College' 4 'College+'.
frequencies variables=educat4.
recode age (18 thru 24=1)(25 thru 99=2) into ed25.
value labels ed25 1 '< 25' 2 '25+'.
frequencies variables=ed25.
crosstabs tables=educat4 by ed25 /cells count column.

freq var=length.
temporary.
if (length lt 9)length=0.
if (length gt 41)length=0.
missing values length (0).
frequencies variables=length /statistics ALL.

value labels cd1 1 'Male' 2 'Female'.
compute roundwt=statewt*10.
weight by roundwt.
freq var=cd1.

var labels
newreg2 'Alternate coding into regions based on FIPS'/
listwt 'Weight: Adj for listed vs nonlisted numbers'/
phwt 'Weight: Adj for number of phone lines to HHLd'/
adltwt 'Weight: Adj for number adults in HHLd'/
age 'Demographic: Age'/
agecat 'Demographic: Age in categories'/
rac3 'Race: 3 categories and missing'/
mult2 'Demographic: Number racial groups R claims'/
races 'Race: 6 categories'/
imprace 'Race: 3 categories with imputation if missing'/
adj1 'Weight Adjustment: Interim'/
ovrsamwt 'Weight Adjustment: Interim'/
REGNRACEwt 'Weight Adjustment: Sex x Race x Region'/
sexagewt 'Weight Adjustment: Age x Region'/
adjwt 'Weight Adjustment: Phones, adults, race, gender, age, region'/
msuereg 'MSU Extension Regions'/
msuewt 'Weight: MSU Regions'/
statewt 'Final Weight for Statewide Analysis'/
newinc 'Income: Household Income in 11 Categories (new version)'/
source 'Sample Source'/
agecat7 'Demographic: Age in 7 Census Categories'/
educat4 'Demographic: Education in 4 categories'/.

```



```

weight by statewt.
frequencies variables = cdl imprace agecat7 msueregn.

* ACTION: Enter Valid Percents into Excel.
* ACTION: Save sav, xlsx, and sps as new versions.
* ACTION: If Demographics don't match Actual within ~1%, do 2nd Iteration.
* ACTION: If Demographics are close enough, jump to Resume below (search for "ACTION: Resume").

***** 2nd Iteration.

weight by roundwt.
frequencies variables = phstatus.

* ACTION: Switch to "2nd Iter" worksheet in Excel.
* ACTION: Enter freq into Excel.
* ACTION: Copy weights into section below.
missing values phstatus ().
compute landcellwt2=1.

if (phstatus eq 1 or phstatus=9)landcellwt2=1.38828*statewt.
if (phstatus eq 2)landcellwt2=1.1767*statewt.
if (phstatus eq 3)landcellwt2=0.88016*statewt.

weight by landcellwt2.
frequencies variables= phstatus.

* ACTION: Enter total into Excel (Wtd N).

frequencies variables= phstatus source.
weight off.
frequencies variables=phstatus.

* ACTION: Enter total into Excel (Actual N).
* ACTION: Copy weight into section below.
compute tempwt=landcellwt2*10.
weight by tempwt.
frequencies variables=source.

compute totalwt2=1*landcellwt2.

weight by totalwt2.
frequencies variables=phstatus source.
compute tempwt=tempwt*10.
weight by tempwt.
frequencies variables=source.
compute adj2=tempwt.
compute ovrsamwt2=adj2.
compute roundwt=ovrsamwt2*10.
weight by roundwt.
frequencies variables=cdl.
CROSSTABS
  /TABLES= regn BY imprace
  /FORMAT= AVALUE NOINDEX BOX LABELS TABLES
  /CELLS= COUNT.

* ACTION: Enter freq into Excel.
* ACTION: Copy weights into section below.
* This weights cases by gender, imprace and region.
compute REGNRACEwt2=ovrsamwt2.

if (imprace eq 1)REGNRACEwt2=ovrsamwt2*0.98794.
if (imprace eq 2)REGNRACEwt2=ovrsamwt2*1.16644.
if (imprace eq 3)REGNRACEwt2=ovrsamwt2*0.8763.

weight by REGNRACEwt2.
CROSSTABS
  /TABLES=imprace BY regn

```

```

/FORMAT= AVALUE NOINDEX BOX LABELS TABLES
/CELLS= COUNT tot.
compute roundwt=REGNRACEwt2*10.
weight by roundwt.
crosstabs tables=agecat7 by cd1 by regn/cells count.
crosstabs tables=agecat7 by cd1/cells count.

* ACTION: Enter freq into second tab of Converter.xlsx (2nd Pass).
* ACTION: Copy weights into section below.
compute sexagewt2=regnracewt2.

if (cd1=1 and agecat7 eq 1)sexagewt2=REGNRACEwt2*1.09968.
if (cd1=1 and agecat7 eq 2)sexagewt2=REGNRACEwt2*1.06072.
if (cd1=1 and agecat7 eq 3)sexagewt2=REGNRACEwt2*1.05271.
if (cd1=1 and agecat7 eq 4)sexagewt2=REGNRACEwt2*0.98978.
if (cd1=1 and agecat7 eq 5)sexagewt2=REGNRACEwt2*0.97683.
if (cd1=1 and agecat7 eq 6)sexagewt2=REGNRACEwt2*0.8199.
if (cd1=1 and agecat7 eq 7)sexagewt2=REGNRACEwt2*0.81438.

if (cd1=2 and agecat7 eq 1)sexagewt2=REGNRACEwt2*1.02253.
if (cd1=2 and agecat7 eq 2)sexagewt2=REGNRACEwt2*1.0757.
if (cd1=2 and agecat7 eq 3)sexagewt2=REGNRACEwt2*1.01009.
if (cd1=2 and agecat7 eq 4)sexagewt2=REGNRACEwt2*1.0202.
if (cd1=2 and agecat7 eq 5)sexagewt2=REGNRACEwt2*0.9636.
if (cd1=2 and agecat7 eq 6)sexagewt2=REGNRACEwt2*0.8909.
if (cd1=2 and agecat7 eq 7)sexagewt2=REGNRACEwt2*0.86411.

weight by sexagewt2.
compute roundwt=sexagewt2*10.
weight by roundwt.
freq var=regn

* ACTION: Enter totals into Excel as Wted N (Left).

weight off.
freq var=regn.

* ACTION: Confirm total against Excel.
* ACTION: Confirm Actual Ns (Right; should already be there based on 1st Iter).
* ACTION: Copy weights into section below.
*The following command adjusts the number of cases in each region back to the actual number
interviewed.
compute adjwt2=sexagewt2.

if (regn=1)adjwt2=sexagewt2*1.40984.
if (regn=2)adjwt2=sexagewt2*1.26556.
if (regn=3)adjwt2=sexagewt2*0.96642.
if (regn=4)adjwt2=sexagewt2*1.02469.
if (regn=5)adjwt2=sexagewt2*1.12283.
if (regn=6)adjwt2=sexagewt2*0.87644.
if (regn=7)adjwt2=sexagewt2*1.23881.

weight by adjwt2.
freq var=regn.

* ACTION: Copy weights into section below (Excel already calculated it out based on prior data).
weight off.
freq var=regn.
compute tempwt=10*adjwt2.
weight by tempwt.
freq var=msueregn newregn2.
compute msuewt2=adjwt2.

if (regn=7)msuewt2=adjwt2*0.70619.
if (regn=6)msuewt2=adjwt2*1.06285.

weight by msuewt2.

```

```

freq var=msueregn regn cdl.
compute roundwt=msuewt2*10.
weight by roundwt.
freq var=msueregn.

* ACTION: Enter freqs into Excel.
* ACTION: Copy weights into section below.
compute statewt2=msuewt2.

if (msueregn eq 1)statewt2=msuewt2*0.71842.
if (msueregn eq 2)statewt2=msuewt2*0.78418.
if (msueregn eq 3)statewt2=msuewt2*1.05073.
if (msueregn eq 4)statewt2=msuewt2*0.9862.
if (msueregn eq 5)statewt2=msuewt2*0.88883.
if (msueregn eq 6)statewt2=msuewt2*1.07607.

weight by statewt2.
freq var=regn msueregn.
frequencies variables=cd1 cd3 cd5a rac3 cd8 cd10 cd15 agecat imprace .
recode cd6 (7=6).
freq var=imprace.
compute adjwt210=adjwt2*10000.
compute msuewt210=msuewt2*10000.
compute statewt210=statewt2*10000.
*compute racewt=racewt*10000.
execute.
weight by statewt2.
frequencies variables = cd1 imprace agecat7 msueregn.

* ACTION: Enter Valid Percents into Excel.
* ACTION: Save sav, xlsx, and sps as new versions.
* ACTION: If Demographics don't match Actual within ~1%, do 3rd Iteration (good luck with that!).

weight by statewt2.
SORT CASES BY regn.
SPLIT FILE LAYERED BY regn.
DESCRIPTIVES VARIABLES=statewt2
  /STATISTICS=MEAN.

SPLIT FILE OFF.

weight by statewt2.
DESCRIPTIVES VARIABLES=statewt2
  /STATISTICS=MEAN.

* ACTION: Copy means to Excel to calculate Margin of Error with Design Effects

compute adjwt210=adjwt2*10000.
compute msuewt210=msuewt2*10000.
compute statewt210=statewt2*10000.
*compute racewt=racewt*10000.
execute.
weight by statewt2.

var labels
  adj1 'Initial Weight Adjustment: Interim'/
  ovrsamwt 'Initial Weight Adjustment: Interim'/
  REGNRACEwt 'Initial Weight Adjustment: Sex x Race x Region'/
  sexagewt 'Initial Weight Adjustment: Age x Region'/
  adjwt 'Initial Weight Adjustment: Phones, adults, race, gender, age, region'/
  msuewt 'Initial Weight: MSU Regions'/
  statewt 'Initial Weight for Statewide Analysis'/
  ovrsamwt2 'Weight Adjustment: Interim'/
  REGNRACEwt2 'Weight Adjustment: Sex x Race x Region'/
  sexagewt2 'Weight Adjustment: Age x Region'/
  adjwt2 'Weight Adjustment: Phones, adults, race, gender, age, region'/
  msuewt2 'Weight: MSU Regions'/

```

```

statewt2 'Final Weight for Statewide Analysis'/.

* ACTION: Jump to Resume2 below.

* ACTION: Resume (for 1 round of Weighting).
* ACTION: Skip if 2nd round of Weighting (must use statewt2; jump to "Resume2").

weight by statewt.
SORT CASES BY regn.
SPLIT FILE LAYERED BY regn.
DESCRIPTIVES VARIABLES=statewt
  /STATISTICS=MEAN.

SPLIT FILE OFF.

weight by statewt.
DESCRIPTIVES VARIABLES=statewt
  /STATISTICS=MEAN.

* ACTION: Copy means to Excel to calculate Margin of Error with Design Effects.
* ACTION: Save Excel file as new version.

compute adjwt10=adjwt*10000.
compute msuewt10=msuewt*10000.
compute statewt10=statewt*10000.
*compute racewt=racewt*10000.
execute.
weight by statewt.

* ACTION: Resume2 (for 2 rounds of Weighting).

SORT CASES by CASEID (A).

* ACTION: Save dataset as soss##wtFULL.sav .
* ACTION: Copy DATA LIST contents from soss##rdd.sps from "/"1" to to "final ##-##" (leave
everything after final intact).
* ACTION: Delete rname and email (and the numbers right after them) below.
* ACTION: If 1 iteration: Use STATEWT10, ADJWT10, and MSUEWT10 below.
* ACTION: If 2 iterations: Use STATEWT210, ADJWT210, and MSUEWT210 below.

write Outfile=''
/1      CASEID 1-5 (A)          ID1 1-5 (A)          R1 6
      cnty 7-11              regn 12              rand1 13 (A)
      rand2 14 (A)           rand3 15 (A)         rand4 16 (A)
      rand5 17 (A)           rand6 18 (A)         city2 19-38 (A)
      listed 39              CC1 40              CC2 41
      CC3 42                 CC4 43              CC5 44
      CC6 45                 A1 46-47            PO1 48
      PO2 49                 D10 50
      D11 51                 D12 52              P4a 53-54
/2      CD1 1                 CD2 2-5              CD3 6-7
      CD5a 8                  CD4@a 9              CD4@b 10
      CD4@c 11                CD4@d 12              CD4@e 13
      CD4@f 14                 CD4@g 15              CD6 16-17
      CD7@a 18                  CD7@b 19              CD7@c 20
      CD7@d 21                  partyid 22             P17@a 23
      P17@b 24                  P17@c 25              P17@d 26
      ideology 27              CD8 28                married 29 (A)
      CD10 30-31              CD11 32-33           CD15 34-35
      UN1 36                   UN2 37                UN3 38
      inca 39                  incb 40               incca 41
      incc 42                  incd 43               incf 44
      incg 45                  inch 46               incha 47
      inci 48                  income 49-50          CD26 51-52
      X1 53                    zipcode 54-58         demo_county 59-61
      demo_Detroit 62         cellular2 63-64      demo_cell1 65
      demo_cell4 66-68        water01 69           water02 70

```

```

water03a 71          water03b 72          water04 73
water05 74          water06a 75         water06b 76
water06c 77          water06d 78         water06e 79
/3  water06g 1          water07a 2          water07b 3
water07c 4          water07d 5          water07e 6
water08a 7          water08b 8          water08c 9
water08d 10         water09a 11         water09b 12
water09c 13         water09d 14         water10 15
water11 16          water12a 17         water12b 18
water12c 19         water12d 20         water12e 21
water13 22          water14 23          chrt1 24
chrt2 25-26         chrt103 27          chrt104 28
chrt105 29          chrt106 30-31      chrt107 32
chrt3 33            chrt4 34            chrt6 35
chrt5 36            chrt7 37            chrt8 38
chrt115a 39         chrt115b 40         chrt115c 41
chrt115d 42         chrt115e 43         chrt115f 44
chrt115g 45         chrt115h 46         chrt115i 47
chrt116 48          chrt117 49          chrt118 50
chrt14 51           chrt15 52-53        chrt16 54
chrt119 55          chrt32a 56          chrt32b 57
chrt32c 58          chrt32d 59          chrt32e 60
chrt120f 61         chrt120g 62         chrt51 63-64
chrt18 65           chrt19 66-67        chrt20 68-69
chrt52 70           chrt53 71           chrt54 72-73
chrt54b@a 74        chrt54b@b 75        chrt54b@c 76
chrt54b@d 77        chrt54b@x 78        chrt54b@y 79
chrt21 80
/4  chrt22 1          chrt23 2            chrt24 3
chrt135 4           chrt133a 5-6        chrt133b 7-8
chrt133c 9-10       chrt133d 11-12      chrt133e 13-14
chrt133f 15-16      chrt133g 17-18      chrt134 19-20
chrt25 21           chrt26 22-23        chrt27 24
chrt29 25           chrt139 26          chrt140 27
chrt30 28           chrt31 29-30        chrt55 31
chrt56 32-33        chrt33 34           chrt34 35
chrt35 36           chrt36 37           chrt37 38
chrt38 39           chrt151a 40         chrt151b 41
chrt152a 42-43      chrt152b 44-45      chrt153 46
chrt154 47-48
/6  RI 1             RIa 2
/7  contacts 1-2     length 3-6           idate 7-14
iwer 15-17          males 18-19          females 20-21
final 22-23
races 43            AGECAT 44            ADJWT210 46-52
MSUEREGRN 54       MSUEWT210 56-62
STATEWT210 64-70   rac3 71             AGE 72-73           imprace 74           newinc 75-76
source 77          educat4 78 .

```

execute .

```

DELETE VARIABLES rname email income.
DELETE VARIABLES adjwt10 msuewt10 statewt10.
DELETE VARIABLES adjwt210 msuewt210 statewt210.

```

* ACTION: Save dataset as soss#wt.sav .

```

SAVE TRANSLATE OUTFILE=''
/TYPE=STATA
/VERSION=8
/EDITION=SE
/MAP
/REPLACE.

```

```

SAVE TRANSLATE OUTFILE=''
/TYPE=XLS
/VERSION=12

```

```
/MAP  
/REPLACE  
/FIELDNAMES  
/CELLS=VALUES.
```

- * ACTION: Save sps (this file) files as new version.
- * ACTION: Open soss##.xlsx, replace "#NULL!" with nothing, change number type to "General" for all cells, save file (as xlsx, not xls!), close file.
- * ACTION: Close all files.

14. Codebook

The codebook is provided in a separate document, and reports frequencies based on the weighted data with the weight variable STATEWT2 being applied.