

**METHODOLOGICAL REPORT**

**MICHIGAN STATE UNIVERSITY**

**STATE OF THE STATE SURVEY**

**[MSU SOSS 66]**

**Summer 2013 Round**

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## **NOTE TO THE READER**

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.

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## **1. Purpose of Survey**

SOSS is a quarterly survey of the citizens of Michigan. It employs Computer Assisted Telephone Interviewing (CATI) technology to interview a stratified random sample of Michigan citizens. Originally based only on household landline telephones, SOSS began including samples of cell phone telephone subscribers in Round 62 of SOSS, in summer 2012. Conducted by the Office for Survey Research, a division of the Institute for Public Policy and Social Research, SOSS was inaugurated in October 1994.

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 Opinion 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 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 conducted at regular quarterly intervals. Roughly one-fourth of the questions are repeated in each quarterly round.

## **3. Structure of the Questionnaire**

The questionnaires for each round of the survey are designed by a different set of principal investigators, who are usually faculty and students at MSU, but other staff or clients also. Each survey instrument consists of three main parts: a demographic core, a non-demographic core, and the main substantive theme or themes.

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.

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 minutes, so that on average the interviews take about 20 minutes of the respondent's time.

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

Beyond the core set of interview items, SOSS 66 included sets of questions on four topics:

- One set of questions focused on taxes.
- A second set of questions focused on renewable energy.
- A third set of questions focused on sustainability.
- The fourth section focused on health care issues.

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 raw or weighted frequency distribution of responses, may be difficult to interpret and must be used carefully. Often, 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. Although OSR will do its best to document such situations, it is the responsibility of the data users and analysts, not of OSR, to assure that the appropriate variants of questions are used in analyses and reports. A copy of the CATI interview program with the 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**

The SOSS and OSR staff is responsible for the technical work of programming the CATI survey instrument, training and supervising interviewers, selection and administration of the sample, coding of data, and preparation of the final data set and documentation. In addition, SOSS and OSR staff works with and advises the principal investigators and other researchers in the design of the sample and the survey instrument. However, final approval of the survey and sample design rests with the principal investigators, not OSR staff.

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 and OSR staff. The working groups consist primarily of "principal investigators" for the given round who will conduct the major initial analyses of the data, provide a public briefing, 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).

The Working Group for the Summer of 2013 survey included:

**Charles Ballard**, Professor, Department of Economics, Michigan State University

**Sanjay Gupta**, Associate Dean for MBA and Professional Master's Programs, Broad College of Business, Michigan State University; Russell E. Palmer Endowed Professor in Accounting, Department of Accounting and Information Systems, Michigan State University

**Sandra Marquart-Pyatt**, Assistant Professor, Department of Sociology, Michigan State University

**Mark Skidmore**, Professor, Department of Agricultural Economics, Michigan State University; Department of Economics, Michigan State University

**Daniel Thiel**, Assistant Director, Life Sciences and Society Program, School of Public Health, University of Michigan

## **5. Dissemination of Results**

Each round of the survey has an identified set of Principal Investigators (PI's) who have priority in access to the data for that round, also in addition to certain obligations. The PI's 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 the field date, 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 30-40% 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 constitute 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 supplementary sample of cell phone users in SOSS 62.

Respondents' households newly enlisted to participate for SOSS 66 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 64.

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, we have begun to have SSI stratify this sampling frame into two strata initially, 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 then request that SSI 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 some recent billing activity on them (i.e., active) and those that do not (i.e., inactive). The inactive phone numbers are set aside and not called.

For SOSS 66, 9,757 phone numbers were used, 510 in the re-contact segment, 3,997 in the new RDD segment, and 5,250 in the new cell phone segment. The working phone number rate was 79.4% in the re-contact segment, 51.3% in the new RDD segment, and 53.4% 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 2007-2011 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 2011, 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 2007-2011 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 2007-2011 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 MSUEREGN 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 MSUEREGN.

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 2010-2011 Estimated Population by County from the Michigan Department of Technology, Management & Budget. 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 all distributions within 1% of the actual 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:

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

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	44	± 14.9%	± 17%
2. Northern Lower Peninsula	65	± 12.3%	± 12.6%
3. West Central	158	± 7.8%	± 9.1%
4. East Central	90	± 10.4%	± 11.8%
5. Southwest	166	± 7.6%	± 8.4%
6. Southeast	395	± 4.9%	± 6.7%
7. Detroit	60	± 12.8%	± 15.2%
<b>Statewide Total</b>	<b>978</b>	<b>± 3.1%</b>	<b>± 3.9%</b>

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 ± 3.9%.

## 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 50 different interviewers were involved in data collection on the 66th State of the State Survey.

**Field Period and Respondent Selection in Household.** Interviewing began on August 24, 2013, and continued through October 27, 2013. Randomly selected 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 to contact the household 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 a total of 12 attempts were made or the interview was completed, the interview was refused, or the case was determined to be ineligible or incapable.

The average interview lasted approximately 25.02 minutes (standard deviation= 5.795) with a median of 24.0 minutes. In the case of an initial refusal, numbers were called back after eight 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 978 interviews were completed, 127 with landline participants re-contacted from the SOSS 64 survey, 124 with cell participants re-contacted from the SOSS 64 survey, 368 with new landline RDD participants, and 359 with new cell phone RDD participants. The overall completion rate among eligible respondents was 37.0% (33.5% in the new landline RDD segment, 29.6% in the new cell phone RDD segment, and 75.1% in the re-contact segment).<sup>1</sup>

Of those completing the interview, the mean number of calls required was 4.10 (4.18 among the re-contact cases, 4.02 among the new landline RDD cases, and 4.13 among the new cell phone RDD cases). Interviewers made a total of 67,219 calls to complete the 978 interviews.

The refusal rate was 13.0%.

## 8. Documentation Available

The following documentation is available for this survey:

- a. Methodological Report
- b. Questionnaire (included in Methodological Report)
- c. SPSS (windows) commands to read the ASCII data set
- d. SPSS commands for weighting cases in the sample
- e. Codebook (with weighted item frequencies)

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<sup>1</sup> This is 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 66 was 24.8%, the refusal rate (REF2) was 11.4%, the cooperation rate was 68.6%, and the contact rate was 57.8%.

## **9. Data Format and Archiving**

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

## **10. Questionnaire**

```
>CONSENT< [loc 0/700] [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.

```
[red]IWER: IF THE RESPONDENT WANTS CONTACT INFORMATION FOR THE PROJECT MANAGER, THE PRINCIPAL INVESTIGATOR, OR THE IRB, THAT INFORMATION IS AVAILABLE IN THE Q BY Q 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]
```

```
>Tgupta< [allow 4]  
>Tguptastart< [allow 4]  
>Tguptastop< [allow 4]
```

```
>Tthiel< [allow 4]  
>Tthielstart< [allow 4]  
>Tthielstop< [allow 4]
```

```
>Tmarquart< [allow 4]  
>Tmarquartstart< [allow 4]  
>Tmarquartstop< [allow 4]
```

```
>Tsustain< [allow 4]  
>Tsustainstart< [allow 4]  
>Tsustainstop< [allow 4]
```

```
[copy Tcore1 in Tcore1]  
[copy Tcore2 in Tcore2]  
[copy Tcore3 in Tcore3]  
[copy Tcore4 in Tcore4]  
[copy Tgupta in Tgupta]  
[copy Tthiel in Tthiel]  
[copy Tmarquart in Tmarquart]  
[copy Tsustain in Tsustain]
```

```
>ID1< [allow 5][loc 18/1][#store csid in ID1][copy ID1 in ID1]
```

```
>R1< [allow 1][#preset <1>][copy R1 in R1]
```

```
>cnty< [allow 5][#inputloc 1/23][copy cnty in cnty]
```

```
>regn< [allow 1][#inputloc 1/29][copy regn in regn]
```

```
    1 upper pen  
    2 northern  
    3 west central
```

```
        4 east central
        5 southwest
        6 southeast
        7 Detroit

>random1< [allow 1][#inputloc 1/121][copy random1 in random1]
>random2< [allow 1][#inputloc 1/122][copy random2 in random2]
>random3< [allow 1][#inputloc 1/123][copy random3 in random3]
>random4< [allow 1][#inputloc 1/124][copy random4 in random4]
>random5< [allow 1][#inputloc 1/125][copy random5 in random5]
>city2< [allow 20][#inputloc 1/92][copy city2 in city2]

>listed< [allow 1][#inputloc 1/120][copy listed in listed] 1=listed 2=unlisted
```

>CC1< [#settime Tcore1start]

I'd like to start by asking 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 [bold]better off[n] or [bold]worse off[n] 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 [bold]a year from now[n], you and your family living with you will be [bold]better off[n] financially or [bold]worse off[n] 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 [bold]overall financial[n] 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 [bold]next twelve months[n], 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 [bold]past 12 months[n]?

[green]IWER: IF R ASKS FOR CLARIFICATION/DEFINITION OF 'INFLATION' 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>]

@

>PO1< [#settime Tcore1stop] [#settime Tcore2start]

The next couple of questions are about our elected officials.

Overall, how would you rate the way [bold]Barack Obama[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>]

@

>PO2<

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>]
```

@

>gupta01< [#settime Tcore2stop] [#settime Tguptastart]

Overall, how well do you think the federal government spends your tax dollars?  
Would you say it is spent very effectively, somewhat effectively, somewhat  
ineffectively, or very ineffectively?

```
<1> VERY EFFECTIVELY  
<2> SOMEWHAT EFFECTIVELY  
<3> NEITHER EFFECTIVELY NOR INEFFECTIVELY (R VOLUNTEERED)  
<4> SOMEWHAT INEFFECTIVELY  
<5> VERY INEFFECTIVELY
```

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

@

>gupta02<

What percentage of your household's income would you say is paid in federal income tax?

```
<0-100> PERCENT  
  
<998>[commandbutton <DO NOT KNOW>]  
<999>[commandbutton <REFUSED THIS QUESTION>]
```

@

>gupta03<

When you think about [bold]high-income households[n], do you think the percentage they pay in  
federal income tax should be much higher than it is now, somewhat higher than it is  
now, somewhat lower than it is now, much lower than it is now, or is about right?

```
<1> MUCH HIGHER THAN IT IS NOW  
<2> SOMEWHAT HIGHER THAN IT IS NOW  
<3> ABOUT RIGHT  
<4> SOMEWHAT LOWER THAN IT IS NOW  
<5> MUCH LOWER THAN IT IS NOW
```

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

@

>gupta04<

When you think about [bold]low-income households[n], do you think the percentage they pay in  
federal income tax should be much higher than it is now, somewhat higher than it is  
now, somewhat lower than it is now, much lower than it is now, or is about right?

```
<1> MUCH HIGHER THAN IT IS NOW  
<2> SOMEWHAT HIGHER THAN IT IS NOW  
<3> ABOUT RIGHT  
<4> SOMEWHAT LOWER THAN IT IS NOW  
<5> MUCH LOWER THAN IT IS NOW
```

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

@

>gupta05<

When you think about [bold]households like yours[n], do you think the percentage that you pay in federal income tax should be much higher than it is now, somewhat higher than it is now, somewhat lower than it is now, much lower than it is now, or is about right?

```
<1> MUCH HIGHER THAN IT IS NOW  
<2> SOMEWHAT HIGHER THAN IT IS NOW  
<3> ABOUT RIGHT  
<4> SOMEWHAT LOWER THAN IT IS NOW  
<5> MUCH LOWER THAN IT IS NOW
```

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

@

>gupta06<

How do you think the overall level of taxes in the United States compares to the overall level of taxes in other affluent countries, like Canada, Germany, and Japan? Would you say that taxes in the U.S. are much higher than taxes in these other countries, somewhat higher, about the same, somewhat lower, or much lower?

```
<1> MUCH HIGHER  
<2> SOMEWHAT HIGHER  
<3> ABOUT THE SAME  
<4> SOMEWHAT LOWER  
<5> MUCH LOWER
```

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

@

>gupta07<

Do you own your own home?

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

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

@

>gupta08< [if gupta07 eq <2> goto gupta09]

Are you currently paying on a mortgage on your home?

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

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

@

>gupta09<

In your household, are you responsible for preparing income-tax returns?

- <1> YES
  - <2> NO
  - <3> RESPONSIBILITY SHARED WITH ANOTHER HOUSEHOLD MEMBER (R VOLUNTEERED)
- <8>[commandbutton <DO NOT KNOW>]  
<9>[commandbutton <REFUSED THIS QUESTION>]

@

>gupta10<

When filing your income-tax returns, does your household use tax-preparation software or websites, such as TurboTax?

- <1> YES
  - <2> NO
- <8>[commandbutton <DO NOT KNOW>]  
<9>[commandbutton <REFUSED THIS QUESTION>]

@

>gupta11<

When filing your income-tax returns, does your household get assistance from a tax accountant or attorney, or advisor at a company like H&R Block?

- <1> YES
  - <2> NO
- <8>[commandbutton <DO NOT KNOW>]  
<9>[commandbutton <REFUSED THIS QUESTION>]

@

>gupta12<

For each of the following, please tell me whether the amount is much less than it should be, is somewhat less than it should be, is about what it should be, is somewhat more than it should be, or is much more than it should be.

Cash payments to poor families by the federal government.

- <1> MUCH LESS THAN THEY SHOULD BE
  - <2> SOMEWHAT LESS THAN THEY SHOULD BE
  - <3> ABOUT RIGHT
  - <4> SOMEWHAT MORE THAN THEY SHOULD BE
  - <5> MUCH MORE THAN THEY SHOULD BE
- <8>[commandbutton <DO NOT KNOW>]  
<9>[commandbutton <REFUSED THIS QUESTION>]

@

>gupta13<

(For each of the following, please tell me whether the amount is much less than it should be, is somewhat less than it should be, is about what it should be, is somewhat more than it should be, or is much more than it should be.)

Military expenditures by the federal government.

- <1> MUCH LESS THAN THEY SHOULD BE
- <2> SOMEWHAT LESS THAN THEY SHOULD BE
- <3> ABOUT RIGHT

<4> SOMEWHAT MORE THAN THEY SHOULD BE  
<5> MUCH MORE THAN THEY SHOULD BE  
  
<8>[commandbutton <DO NOT KNOW>]  
<9>[commandbutton <REFUSED THIS QUESTION>]

@

>gupta14<

(For each of the following, please tell me whether the amount is much less than it should be, is somewhat less than it should be, is about what it should be, is somewhat more than it should be, or is much more than it should be.)

Social Security payments by the federal government.

<1> MUCH LESS THAN THEY SHOULD BE  
<2> SOMEWHAT LESS THAN THEY SHOULD BE  
<3> ABOUT RIGHT  
<4> SOMEWHAT MORE THAN THEY SHOULD BE  
<5> MUCH MORE THAN THEY SHOULD BE  
  
<8>[commandbutton <DO NOT KNOW>]  
<9>[commandbutton <REFUSED THIS QUESTION>]

@

>gupta15<

(For each of the following, please tell me whether the amount is much less than it should be, is somewhat less than it should be, is about what it should be, is somewhat more than it should be, or is much more than it should be.)

Aid payments to foreign governments by the federal government.

<1> MUCH LESS THAN THEY SHOULD BE  
<2> SOMEWHAT LESS THAN THEY SHOULD BE  
<3> ABOUT RIGHT  
<4> SOMEWHAT MORE THAN THEY SHOULD BE  
<5> MUCH MORE THAN THEY SHOULD BE  
  
<8>[commandbutton <DO NOT KNOW>]  
<9>[commandbutton <REFUSED THIS QUESTION>]

@

>marquart01< [#settime Tguptastop] [#settime Tmarquartstart]

The next set of questions will ask about your views on energy use, sources, and policies. For each statement, please indicate whether you strongly agree, agree, disagree, or strongly disagree.

I would support a policy that would provide tax rebates for people who purchase energy-efficient vehicles or solar panels.

<1> STRONGLY AGREE  
<2> AGREE  
<3> NEUTRAL (R VOLUNTEERED)  
<4> DISAGREE  
<5> STRONGLY DISAGREE  
  
<8>[commandbutton <DO NOT KNOW>]  
<9>[commandbutton <REFUSED THIS QUESTION>]

@

>marquart02<

(Please indicate whether you strongly agree, agree, disagree, or strongly disagree.)

I would support a policy to encourage use of renewable energy sources, including solar, wind, and geothermal.

<1> STRONGLY AGREE  
<2> AGREE  
<3> NEUTRAL (R VOLUNTEERED)  
<4> DISAGREE  
<5> STRONGLY DISAGREE

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

@

>marquart03<

(Please indicate whether you strongly agree, agree, disagree, or strongly disagree.)

I would support a policy requiring 25% of Michigan's electricity to come from renewable sources by 2025.

<1> STRONGLY AGREE  
<2> AGREE  
<3> NEUTRAL (R VOLUNTEERED)  
<4> DISAGREE  
<5> STRONGLY DISAGREE

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

@

>marquart04<

(Please indicate whether you strongly agree, agree, disagree, or strongly disagree.)

If my household energy bill would not increase, I would support a policy to promote the use of renewable energy by Michigan utility companies.

<1> STRONGLY AGREE  
<2> AGREE  
<3> NEUTRAL (R VOLUNTEERED)  
<4> DISAGREE  
<5> STRONGLY DISAGREE

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

@

>marquart05<

(Please indicate whether you strongly agree, agree, disagree, or strongly disagree.)

Michigan's elected officials act in the publics' best interest about energy policy.

<1> STRONGLY AGREE  
<2> AGREE  
<3> NEUTRAL (R VOLUNTEERED)  
<4> DISAGREE  
<5> STRONGLY DISAGREE

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

@

>marquart06<

(Please indicate whether you strongly agree, agree, disagree, or strongly disagree.)

I trust state elected officials to act in my best interest on energy policy.

<1> STRONGLY AGREE  
<2> AGREE  
<3> NEUTRAL (R VOLUNTEERED)  
<4> DISAGREE  
<5> STRONGLY DISAGREE

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

@

>marquart07<

(Please indicate whether you strongly agree, agree, disagree, or strongly disagree.)

State elected officials who make the final decisions on energy issues can be trusted to make good decisions.

<1> STRONGLY AGREE  
<2> AGREE  
<3> NEUTRAL (R VOLUNTEERED)  
<4> DISAGREE  
<5> STRONGLY DISAGREE

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

@

>marquart08<

(Please indicate whether you strongly agree, agree, disagree, or strongly disagree.)

We vote for public officials to represent us, therefore they know what's best for Michigan's energy policy.

<1> STRONGLY AGREE  
<2> AGREE  
<3> NEUTRAL (R VOLUNTEERED)  
<4> DISAGREE  
<5> STRONGLY DISAGREE

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

@

>marquart09<

I will now read you a list of things you can do to keep your energy costs down. Please tell me how difficult it would be for you to make each change, giving a score from 1 to 5, where 1 is "very hard" and 5 is "very easy". If you've already done the activity, please say so.

Weatherize, for example sealing drafts or adding insulation

<1> 1 (VERY HARD)  
<2> 2

<3> 3  
<4> 4  
<5> 5 (VERY EASY)

<7> ALREADY DONE

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

@

>marquart10<

(Please tell me how difficult it would be for you to make each change, giving a score from 1 to 5, where 1 is "very hard" and 5 is "very easy". If you've already done the activity, please say so.)

Install an efficient furnace or air conditioner

<1> 1 (VERY HARD)  
<2> 2  
<3> 3  
<4> 4  
<5> 5 (VERY EASY)

<7> ALREADY DONE

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

@

>marquart11<

(Please tell me how difficult it would be for you to make each change, giving a score from 1 to 5, where 1 is "very hard" and 5 is "very easy". If you've already done the activity, please say so.)

Buy or replace appliances

[green]IWER: IF R ASKS WHAT KIND OF APPLIANCES, SAY "LARGE APPLIANCES, LIKE A STOVE OR REFRIGERATOR."[n]

<1> 1 (VERY HARD)  
<2> 2  
<3> 3  
<4> 4  
<5> 5 (VERY EASY)

<7> ALREADY DONE

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

@

>marquart12<

(Please tell me how difficult it would be for you to make each change, giving a score from 1 to 5, where 1 is "very hard" and 5 is "very easy". If you've already done the activity, please say so.)

Have routine maintenance performed on your car

[green]IWER: IF R ASKS IF THAT MEANS DOING IT THEMSELVES, SAY "IT INCLUDES TAKING YOUR CAR TO THE SHOP, OR DOING IT YOURSELF."[n]

```
<1> 1 (VERY HARD)
<2> 2
<3> 3
<4> 4
<5> 5 (VERY EASY)

<7> ALREADY DONE

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

@

>marquart13<

(Please tell me how difficult it would be for you to make each change, giving a score from 1 to 5, where 1 is "very hard" and 5 is "very easy". If you've already done the activity, please say so.)

Carpool or combine multiple car trips to save gas

```
<1> 1 (VERY HARD)
<2> 2
<3> 3
<4> 4
<5> 5 (VERY EASY)

<7> ALREADY DONE

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

@

>marquart14<

(Please tell me how difficult it would be for you to make each change, giving a score from 1 to 5, where 1 is "very hard" and 5 is "very easy". If you've already done the activity, please say so.)

Changing your thermostat to be warmer in the summer

```
<1> 1 (VERY HARD)
<2> 2
<3> 3
<4> 4
<5> 5 (VERY EASY)

<7> ALREADY DONE

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

@

>marquart15<

(Please tell me how difficult it would be for you to make each change, giving a score from 1 to 5, where 1 is "very hard" and 5 is "very easy". If you've already done the activity, please say so.)

Changing your thermostat to be cooler in the winter

```
<1> 1 (VERY HARD)
<2> 2
<3> 3
<4> 4
```

```

<5> 5 (VERY EASY)

<7> ALREADY DONE

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

@

>marquart16<

Which of the following approaches to solving the nation's energy problems do you think the U.S. should follow right now?

A: Emphasize production of more oil, gas and coal supplies OR
B: Emphasize the development of alternative energy such as wind and solar power?

[green]IWER: IF R SAYS 'BOTH' PLEASE RESPOND "PLEASE SELECT ONLY ONE OPTION"
AND IF THEY STILL CANNOT DECIDE, CODE AS "DO NOT KNOW."[n]

<1> PRODUCTION OF MORE OIL, GAS AND COAL SUPPLIES
<2> DEVELOPMENT OF ALTERNATIVE ENERGY SUCH AS WIND AND SOLAR POWER

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

@

>sustain1a< [#settime Tmarquartstop] [#settime Tsustainstart]

I will now read you a list of issues, for each one, tell me whether or not you associate it with [bold]sustainability[n].

[green]IWER: IF R ASKS FOR CLARIFICATION/DEFINITION OF 'SUSTAINABILITY' PLEASE RESPOND "WHATEVER IT MEANS TO YOU"[n]

Strong economy

<1> YES
<2> NO

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

<7> R DOESN'T UNDERSTAND WORD 'SUSTAINABILITY' EVEN AFTER PROBING (SKIP SECTION) [goto thiel1]

@

>sustain1b<

(I will now read you a list of issues, for each one, tell me whether or not you associate it with [bold]sustainability[n].)

Healthy ecosystem and natural environment

<1> YES
<2> NO

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

<7> R DOESN'T UNDERSTAND WORD 'SUSTAINABILITY' EVEN AFTER PROBING (SKIP SECTION) [goto thiel1]

@

```

>sustain1c<

(I will now read you a list of issues, for each one, tell me whether or not you associate it with [bold]sustainability[n].)

Social equity and equality

<1> YES  
<2> NO

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

<7> R DOESN'T UNDERSTAND WORD 'SUSTAINABILITY' EVEN AFTER PROBING (SKIP SECTION) [goto thiell1]

@

>sustain1d<

(I will now read you a list of issues, for each one, tell me whether or not you associate it with [bold]sustainability[n].)

Climate change

<1> YES  
<2> NO

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

@

>sustain1e<

(I will now read you a list of issues, for each one, tell me whether or not you associate it with [bold]sustainability[n].)

Conservation of natural resources

<1> YES  
<2> NO

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

@

>sustain1f<

(I will now read you a list of issues, for each one, tell me whether or not you associate it with [bold]sustainability[n].)

Consumption of material and goods, generating waste, and recycling

<1> YES  
<2> NO

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

@

>sustain1g<

(I will now read you a list of issues, for each one, tell me whether or not you associate it with [bold]sustainability[n].)

Diversity of elected officials

<1> YES  
<2> NO

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

@

>sustain1h<

(I will now read you a list of issues, for each one, tell me whether or not you associate it with [bold]sustainability[n].)

Educated citizens

<1> YES  
<2> NO

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

@

>sustain1i<

(I will now read you a list of issues, for each one, tell me whether or not you associate it with [bold]sustainability[n].)

Engaged citizens, for example people voting or volunteering

<1> YES  
<2> NO

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

@

>sustain1j<

(I will now read you a list of issues, for each one, tell me whether or not you associate it with [bold]sustainability[n].)

Human health

<1> YES  
<2> NO

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

@

>sustain1k<

(I will now read you a list of issues, for each one, tell me whether or not you associate it with [bold]sustainability[n].)

Animal welfare

<1> YES  
<2> NO

<8>[commandbutton <DO NOT KNOW>]

```
<9>[commandbutton <REFUSED THIS QUESTION>]

@

>sustain1l<

(I will now read you a list of issues, for each one, tell me whether or not you
associate it with [bold]sustainability[n].)

Open spaces, such as parks

<1> YES
<2> NO

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

@

>sustain1m<

(I will now read you a list of issues, for each one, tell me whether or not you
associate it with [bold]sustainability[n].)

Population growth

<1> YES
<2> NO

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

@

>sustain1n<

(I will now read you a list of issues, for each one, tell me whether or not you
associate it with [bold]sustainability[n].)

Poverty reduction

<1> YES
<2> NO

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

@

>sustain1o<

(I will now read you a list of issues, for each one, tell me whether or not you
associate it with [bold]sustainability[n].)

Safe and accessible water resources

<1> YES
<2> NO

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

@

>sustain1p<

(I will now read you a list of issues, for each one, tell me whether or not you
```

associate it with [bold]sustainability[n].)

Safe and healthy food

<1> YES  
<2> NO

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

@

>sustain2<

Now tell me how important each of the following issues is for sustainability in Michigan. Tell me whether it is very important, somewhat important, somewhat unimportant, or very unimportant.

<g> [commandbutton <PROCEED>]

@

>sustain2a< [if sustain1a ne <1> goto sustain2b]

(Now tell me how important each of the following issues is for sustainability in Michigan. Tell me whether it is very important, somewhat important, somewhat unimportant, or very unimportant.)

Strong economy

<1> VERY IMPORTANT  
<2> SOMEWHAT IMPORTANT  
<3> NEITHER IMPORTANT NOR UNIMPORTANT (R VOLUNTEERED)  
<4> SOMEWHAT UNIMPORTANT  
<5> VERY UNIMPORTANT

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

@

>sustain2b< [if sustain1b ne <1> goto sustain2c]

(Now tell me how important each of the following issues is for sustainability in Michigan. Tell me whether it is very important, somewhat important, somewhat unimportant, or very unimportant.)

Healthy ecosystem and natural environment

<1> VERY IMPORTANT  
<2> SOMEWHAT IMPORTANT  
<3> NEITHER IMPORTANT NOR UNIMPORTANT (R VOLUNTEERED)  
<4> SOMEWHAT UNIMPORTANT  
<5> VERY UNIMPORTANT

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

@

>sustain2c< [if sustain1c ne <1> goto sustain2d]

(Now tell me how important each of the following issues is for sustainability in Michigan. Tell me whether it is very important, somewhat important, somewhat unimportant, or very unimportant.)

Social equity and equality

```
<1> VERY IMPORTANT  
<2> SOMEWHAT IMPORTANT  
<3> NEITHER IMPORTANT NOR UNIMPORTANT (R VOLUNTEERED)  
<4> SOMEWHAT UNIMPORTANT  
<5> VERY UNIMPORTANT  
  
<8>[commandbutton <DO NOT KNOW>]  
<9>[commandbutton <REFUSED THIS QUESTION>]
```

@

```
>sustain2d< [if sustain1d ne <1> goto sustain2e]
```

(Now tell me how important each of the following issues is for sustainability in Michigan. Tell me whether it is very important, somewhat important, somewhat unimportant, or very unimportant.)

Climate change

```
<1> VERY IMPORTANT  
<2> SOMEWHAT IMPORTANT  
<3> NEITHER IMPORTANT NOR UNIMPORTANT (R VOLUNTEERED)  
<4> SOMEWHAT UNIMPORTANT  
<5> VERY UNIMPORTANT  
  
<8>[commandbutton <DO NOT KNOW>]  
<9>[commandbutton <REFUSED THIS QUESTION>]
```

@

```
>sustain2e< [if sustain1e ne <1> goto sustain2f]
```

(Now tell me how important each of the following issues is for sustainability in Michigan. Tell me whether it is very important, somewhat important, somewhat unimportant, or very unimportant.)

Conservation of natural resources

```
<1> VERY IMPORTANT  
<2> SOMEWHAT IMPORTANT  
<3> NEITHER IMPORTANT NOR UNIMPORTANT (R VOLUNTEERED)  
<4> SOMEWHAT UNIMPORTANT  
<5> VERY UNIMPORTANT  
  
<8>[commandbutton <DO NOT KNOW>]  
<9>[commandbutton <REFUSED THIS QUESTION>]
```

@

```
>sustain2f< [if sustain1f ne <1> goto sustain2g]
```

(Now tell me how important each of the following issues is for sustainability in Michigan. Tell me whether it is very important, somewhat important, somewhat unimportant, or very unimportant.)

Consumption of material and goods, generating waste, and recycling

```
<1> VERY IMPORTANT  
<2> SOMEWHAT IMPORTANT  
<3> NEITHER IMPORTANT NOR UNIMPORTANT (R VOLUNTEERED)  
<4> SOMEWHAT UNIMPORTANT  
<5> VERY UNIMPORTANT  
  
<8>[commandbutton <DO NOT KNOW>]  
<9>[commandbutton <REFUSED THIS QUESTION>]
```

@

>sustain2g< [if sustain1g ne <1> goto sustain2h]

(Now tell me how important each of the following issues is for sustainability in Michigan. Tell me whether it is very important, somewhat important, somewhat unimportant, or very unimportant.)

Diversity of elected officials

<1> VERY IMPORTANT  
<2> SOMEWHAT IMPORTANT  
<3> NEITHER IMPORTANT NOR UNIMPORTANT (R VOLUNTEERED)  
<4> SOMEWHAT UNIMPORTANT  
<5> VERY UNIMPORTANT

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

@

>sustain2h< [if sustain1h ne <1> goto sustain2i]

(Now tell me how important each of the following issues is for sustainability in Michigan. Tell me whether it is very important, somewhat important, somewhat unimportant, or very unimportant.)

Educated citizens

<1> VERY IMPORTANT  
<2> SOMEWHAT IMPORTANT  
<3> NEITHER IMPORTANT NOR UNIMPORTANT (R VOLUNTEERED)  
<4> SOMEWHAT UNIMPORTANT  
<5> VERY UNIMPORTANT

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

@

>sustain2i< [if sustain1i ne <1> goto sustain2j]

(Now tell me how important each of the following issues is for sustainability in Michigan. Tell me whether it is very important, somewhat important, somewhat unimportant, or very unimportant.)

Engaged citizens, for example people voting or volunteering

<1> VERY IMPORTANT  
<2> SOMEWHAT IMPORTANT  
<3> NEITHER IMPORTANT NOR UNIMPORTANT (R VOLUNTEERED)  
<4> SOMEWHAT UNIMPORTANT  
<5> VERY UNIMPORTANT

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

@

>sustain2j< [if sustain1j ne <1> goto sustain2k]

(Now tell me how important each of the following issues is for sustainability in Michigan. Tell me whether it is very important, somewhat important, somewhat unimportant, or very unimportant.)

Human health

```
<1> VERY IMPORTANT  
<2> SOMEWHAT IMPORTANT  
<3> NEITHER IMPORTANT NOR UNIMPORTANT (R VOLUNTEERED)  
<4> SOMEWHAT UNIMPORTANT  
<5> VERY UNIMPORTANT  
  
<8>[commandbutton <DO NOT KNOW>]  
<9>[commandbutton <REFUSED THIS QUESTION>]
```

@

```
>sustain2k< [if sustain1k ne <1> goto sustain2l]
```

(Now tell me how important each of the following issues is for sustainability in Michigan. Tell me whether it is very important, somewhat important, somewhat unimportant, or very unimportant.)

Animal welfare

```
<1> VERY IMPORTANT  
<2> SOMEWHAT IMPORTANT  
<3> NEITHER IMPORTANT NOR UNIMPORTANT (R VOLUNTEERED)  
<4> SOMEWHAT UNIMPORTANT  
<5> VERY UNIMPORTANT  
  
<8>[commandbutton <DO NOT KNOW>]  
<9>[commandbutton <REFUSED THIS QUESTION>]
```

@

```
>sustain2l< [if sustain1l ne <1> goto sustain2m]
```

(Now tell me how important each of the following issues is for sustainability in Michigan. Tell me whether it is very important, somewhat important, somewhat unimportant, or very unimportant.)

Open spaces, such as parks

```
<1> VERY IMPORTANT  
<2> SOMEWHAT IMPORTANT  
<3> NEITHER IMPORTANT NOR UNIMPORTANT (R VOLUNTEERED)  
<4> SOMEWHAT UNIMPORTANT  
<5> VERY UNIMPORTANT  
  
<8>[commandbutton <DO NOT KNOW>]  
<9>[commandbutton <REFUSED THIS QUESTION>]
```

@

```
>sustain2m< [if sustain1m ne <1> goto sustain2n]
```

(Now tell me how important each of the following issues is for sustainability in Michigan. Tell me whether it is very important, somewhat important, somewhat unimportant, or very unimportant.)

Population growth

```
<1> VERY IMPORTANT  
<2> SOMEWHAT IMPORTANT  
<3> NEITHER IMPORTANT NOR UNIMPORTANT (R VOLUNTEERED)  
<4> SOMEWHAT UNIMPORTANT  
<5> VERY UNIMPORTANT  
  
<8>[commandbutton <DO NOT KNOW>]  
<9>[commandbutton <REFUSED THIS QUESTION>]
```

@

>sustain2n< [if sustain1n ne <1> goto sustain2o]

(Now tell me how important each of the following issues is for sustainability in Michigan. Tell me whether it is very important, somewhat important, somewhat unimportant, or very unimportant.)

Poverty reduction

<1> VERY IMPORTANT  
<2> SOMEWHAT IMPORTANT  
<3> NEITHER IMPORTANT NOR UNIMPORTANT (R VOLUNTEERED)  
<4> SOMEWHAT UNIMPORTANT  
<5> VERY UNIMPORTANT

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

@

>sustain2o< [if sustain1o ne <1> goto sustain2p]

(Now tell me how important each of the following issues is for sustainability in Michigan. Tell me whether it is very important, somewhat important, somewhat unimportant, or very unimportant.)

Safe and accessible water resources

<1> VERY IMPORTANT  
<2> SOMEWHAT IMPORTANT  
<3> NEITHER IMPORTANT NOR UNIMPORTANT (R VOLUNTEERED)  
<4> SOMEWHAT UNIMPORTANT  
<5> VERY UNIMPORTANT

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

@

>sustain2p< [if sustain1p ne <1> goto thiell1]

(Now tell me how important each of the following issues is for sustainability in Michigan. Tell me whether it is very important, somewhat important, somewhat unimportant, or very unimportant.)

Safe and healthy food

<1> VERY IMPORTANT  
<2> SOMEWHAT IMPORTANT  
<3> NEITHER IMPORTANT NOR UNIMPORTANT (R VOLUNTEERED)  
<4> SOMEWHAT UNIMPORTANT  
<5> VERY UNIMPORTANT

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

@

>thiell1< [#settime Tsustainstop] [#settime Tthielstart]

Next, I have a few questions about health care.

Shortly after birth, a few drops of blood, called blood spots, are taken from a baby's heel for newborn screening.

Did you know that after newborn screening, the state of Michigan keeps the left over

blood spots?

<1> YES  
<2> NO

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

@

>thiel2<

Did you know that the blood spots are made available to health researchers after the name and other personal information are removed?

<1> YES  
<2> NO

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

@

>thiel13<

Have you ever read or heard about the research program called the Michigan BioTech Development Consortium?

<1> YES  
<2> NO

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

@

>thiel3<

Have you ever read or heard about the research program called the Michigan BioTrust for Health?

[green]IWER: IF R ASKS WHAT IS THE MICHIGAN BIOTRUST FOR HEALTH? PLEASE RESPOND  
'THE MICHIGAN BIOTRUST FOR HEALTH IS AN INITIATIVE TO MAKE LEFTOVER NEWBORN  
SCREENING SAMPLES MORE USEFUL AND AVAILABLE FOR PUBLIC HEALTH[n]

<1> YES  
<2> NO[goto thiel31]

<8>[commandbutton <DO NOT KNOW>][goto thiel31]  
<9>[commandbutton <REFUSED THIS QUESTION>][goto thiel31]

@

>thiel3a<

Where did you hear about this program?

[bold] [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> HOSPITAL/HOSPITAL PAPERS  
<2> DOCTOR/DOCTORS OFFICE  
<3> TV/NEWSPAPER/RADIO/MAGAZINE  
<4> FRIEND/FAMILY  
<5> SCHOOL OR COLLEGE

<9> MISC/OTHER

0 OTHER: SPECIFY [#specify]

<98>[commandbutton <DO NOT KNOW>]

<99>[commandbutton <REFUSED THIS QUESTION>]

@

>thiel31<

The state health department's BioTrust for Health stores a collection of blood spots left over from newborn screening so that they can be used for health research.

Everyone born in Michigan between July 1984 and April 2010 almost certainly has a bloodspot in the BioTrust. In the past few years, more bloodspots have been added to the BioTrust, but only with written permission.

Were you born in Michigan after June 30, 1984?

<1> YES

<2> NO

<8>[commandbutton <DO NOT KNOW>]

<9>[commandbutton <REFUSED THIS QUESTION>]

@

>thiel32<

How many children do you have that were born in Michigan and are 29 or younger?

<0-20>

<98>[commandbutton <DO NOT KNOW>]

<99>[commandbutton <REFUSED THIS QUESTION>]

@

>thiel33< [if thiel32 eq <0> goto thiel51]

How many of your children were born in Michigan after April 30, 2010?

<0-20>

<98>[commandbutton <DO NOT KNOW>]

<99>[commandbutton <REFUSED THIS QUESTION>]

@

>thiel51<

The main goal of health research using bloodspots in the BioTrust is to study the health of large populations in order to help future patients. Health research is not the same as medical care, and may not have any immediate benefit for people who have bloodspots in storage or who are currently sick.

To what extent do you favor or oppose the state of Michigan making blood spots available for health research? Would you say that you strongly favor, somewhat favor, somewhat oppose, or strongly oppose this policy?

<1> STRONGLY FAVOR

<2> SOMEWHAT FAVOR

<3> NEITHER FAVOR NOR OPPOSE (R VOLUNTEERED)

<4> SOMEWHAT OPPOSE

<5> STRONGLY OPPOSE

@

>thiel60<  
[if random1 eq <1> goto thiel61a]  
[if random1 eq <2> goto thiel61b]

>thiel61a<

Researchers who use bloodspots may be able to know the race, age, birth county, or even disease records of the people whose bloodspots are in their study. They would not see information that would directly identify the people, like names or addresses.

With the understanding of what kind of information can and can't be seen by researchers, to what extent do you favor or oppose the state of Michigan making bloodspots available for health research? Would you say that you strongly favor, somewhat favor, somewhat oppose, or strongly oppose this policy?

<1> STRONGLY FAVOR [goto thiel71]  
<2> SOMEWHAT FAVOR [goto thiel71]  
<3> NEITHER FAVOR NOR OPPOSE (R VOLUNTEERED) [goto thiel71]  
<4> SOMEWHAT OPPOSE [goto thiel71]  
<5> STRONGLY OPPOSE [goto thiel71]

<8>[commandbutton <DO NOT KNOW>] [goto thiel71]  
<9>[commandbutton <REFUSED THIS QUESTION>] [goto thiel71]

@

>thiel61b<

Researchers who use bloodspots would not see information that would directly identify the people in their study, like names or addresses. They might be able to see information such as their race, age, birth county, or even disease records.

With the understanding of what kind of information can and can't be seen by researchers, to what extent do you favor or oppose the state of Michigan making bloodspots available for health research? Would you say that you strongly favor, somewhat favor, somewhat oppose, or strongly oppose this policy?

<1> STRONGLY FAVOR  
<2> SOMEWHAT FAVOR  
<3> NEITHER FAVOR NOR OPPOSE (R VOLUNTEERED)  
<4> SOMEWHAT OPPOSE  
<5> STRONGLY OPPOSE

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

@

>thiel71<

On a scale of 1 to 10 (1 being least and 10 being highest agreement), how much do you agree with the following statements:

I think using blood spots for health research could benefit society.

<1-10>

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

@

>thiel72<

(On a scale of 1 to 10 (1 being least and 10 being highest agreement), how much do you agree with the following statements:)

I think using blood spots for health research could pose risks to society.

<1-10>

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

@

>thiel73<

(On a scale of 1 to 10 (1 being least and 10 being highest agreement), how much do you agree with the following statements:)

I would feel comfortable with my child's blood spot being available for health research.

[if thieli32 eq <0> or thieli32 ge <98>]  
[green]IWER: IF R SAYS THAT THEY DON'T HAVE ANY CHILDREN, RESPOND  
"PLEASE ANSWER AS IF YOU HAD A CHILD"[n]

[green]IWER: IF R SAYS THAT THEIR CHILDREN ARE TOO OLD, RESPOND  
"PLEASE ANSWER AS IF THEY WERE YOUNG ENOUGH TO BE IN THE BIOTRUST"[n]  
[endif]

<1-10>

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

@

>thiel41<

True or false: The Michigan BioTrust for Health makes bloodspots left over from newborn screening available for health research.

<1> TRUE  
<2> FALSE

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

@

>thiel42<

True or false: My or my child's bloodspot is part of the Michigan BioTrust for Health.

<1> TRUE  
<2> FALSE

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

@

>CD1< [#settime Tthielstop] [#settime Tcore3start]

Now, I have some background questions for you.

[bold] [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?

19 <10-95>

<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, 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 DONE[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)?

- <0> NONE; NO RELIGIOUS GROUP
- <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>]

<95> UNABLE TO CLASSIFY/MISC.

- <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?

- <1> REPUBLICAN
  - <4> INDEPENDENT
  - <7> DEMOCRAT
- <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>]  
  
<7> MISC/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>]

<95> MISC/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 2012?

<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 [bold]different[n] 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?

```

<p>[red] (A-E) [n]</p> <p>&lt;1&gt; ALCONA      &lt;3&gt; ALGER      &lt;5&gt; ALLEGAN      &lt;7&gt; ALPENA      &lt;9&gt; ANTRIM      &lt;11&gt; ARENAC      &lt;13&gt; BARAGA      &lt;15&gt; BARRY      &lt;17&gt; BAY      &lt;19&gt; BENZIE      &lt;21&gt; BERRIEN      &lt;23&gt; BRANCH      &lt;25&gt; CALHOUN      &lt;27&gt; CASS      &lt;29&gt; CHARLEVOIX      &lt;31&gt; CHEBOYGAN      &lt;33&gt; CHIPPEWA      &lt;35&gt; CLARE      &lt;37&gt; CLINTON      &lt;39&gt; CRAWFORD      &lt;41&gt; DELTA      &lt;43&gt; DICKINSON      &lt;45&gt; EATON      &lt;47&gt; EMMET</p>	<p>[red] (G-L) [n]</p> <p>&lt;49&gt; GENESEE      &lt;51&gt; GLADWIN      &lt;53&gt; GOGEBIC      &lt;55&gt; GRAND TRAVERSE      &lt;57&gt; GRATIOT      &lt;59&gt; HILLSDALE      &lt;61&gt; HOUGHTON      &lt;63&gt; HURON      &lt;65&gt; INGHAM      &lt;67&gt; IONIA      &lt;69&gt; IOSCO      &lt;71&gt; IRON      &lt;73&gt; ISABELLA      &lt;75&gt; JACKSON      &lt;77&gt; KALAMAZOO      &lt;79&gt; KALKASKA      &lt;81&gt; KENT      &lt;83&gt; KEWEENAW      &lt;85&gt; LAKE      &lt;87&gt; LAPEER      &lt;89&gt; LEELANAU      &lt;91&gt; LENAWEE      &lt;93&gt; LIVINGSTON      &lt;95&gt; LUCE</p>	<p>[red] (M-R) [n]</p> <p>&lt;97&gt; MACKINAC      &lt;99&gt; MACOMB      &lt;101&gt; MANISTEE      &lt;103&gt; MARQUETTE      &lt;105&gt; MASON      &lt;107&gt; MECOSTA      &lt;109&gt; MENOMINEE      &lt;111&gt; MIDLAND      &lt;113&gt; MISSAUKEE      &lt;115&gt; MONROE      &lt;117&gt; MONTCALM      &lt;119&gt; MONTMORENCY      &lt;121&gt; MUSKEGON      &lt;123&gt; NEWAYGO      &lt;125&gt; OAKLAND      &lt;127&gt; OCEANA      &lt;129&gt; OGEMAW      &lt;131&gt; ONTONAGON      &lt;133&gt; OSCEOLA      &lt;135&gt; OSCODA      &lt;137&gt; OTSEGO      &lt;139&gt; OTTAWA      &lt;141&gt; PRESQUE ISLE      &lt;143&gt; ROSCOMMON</p>	<p>[red] (S-W) [n]</p> <p>&lt;145&gt; SAGINAW      &lt;147&gt; ST. CLAIR      &lt;149&gt; ST. JOSEPH      &lt;151&gt; SANILAC      &lt;153&gt; SCHOOLCRAFT      &lt;155&gt; SHIAWASSEE      &lt;157&gt; TUSCOLA      &lt;159&gt; VAN BUREN      &lt;161&gt; WASHTENAW      &lt;163&gt; WAYNE      &lt;165&gt; WEXFORD</p>
--	---	--	---

[@][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 RI]

```

<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>

>RI< [loc 22/1][#settime Tcore3stop][#settime Tcore4start]

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]

    @

>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 Tcore1start from Tcore1stop into Tcore1]
    [#subtime Tcore2start from Tcore2stop into Tcore2]
    [#subtime Tcore3start from Tcore3stop into Tcore3]
    [#subtime Tcore4start from Tcore4stop into Tcore4]
    [#subtime Tguptastart from Tguptastop into Tgupta]
    [#subtime Tthielstart from Tthielstop into Tthiel]
    [#subtime Tmarquartstart from Tmarquartstop into Tmarquart]
    [#subtime Tsustainstart from Tsustainstop into Tsustain]

>contacts< [loc 23/1][allow 2][store TCNT in contacts]
>length<[allow 4][store TTIM in length]
>idate< [allow 8][store IDAT in idate]
>iwer< [allow 3][store INVW in iwer]
>males< [allow 2][store male in males]
>females< [allow 2][store female in females]

    [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 Commands**

TITLE "Michigan State of the State 66.

COMMENT DDL indicates that dataset record length (reclen) is 80 columns.

/1	CASEID 1-5 (A)	ID1 1-5 (A)	R1 6
	cnty 7-11	regn 12	random1 13
	random2 14	random3 15	random4 16
	random5 17	city2 18-37 (A)	listed 38
	CC1 39	CC2 40	CC3 41
	CC4 42	CC5 43	CC6 44
	PO1 45	PO2 46	gupta01 47
	gupta02 48-50	gupta03 51	gupta04 52
	gupta05 53	gupta06 54	gupta07 55
	gupta08 56	gupta09 57	gupta10 58
	gupta11 59	gupta12 60	gupta13 61
	gupta14 62	gupta15 63	marquart01 64
	marquart02 65	marquart03 66	marquart04 67
	marquart05 68	marquart06 69	marquart07 70
	marquart08 71	marquart09 72	marquart10 73
	marquart11 74	marquart12 75	marquart13 76
	marquart14 77	marquart15 78	marquart16 79
/2	sustain1a 80	sustain1c 2	sustain1d 3
	sustain1b 1	sustain1f 5	sustain1g 6
	sustain1e 4	sustain1i 8	sustain1j 9
	sustain1h 7	sustain1l 11	sustain1m 12
	sustain1k 10	sustain1o 14	sustain1p 15
	sustain1n 13	sustain2b 18	sustain2c 19
	sustain2a 17	sustain2e 21	sustain2f 22
	sustain2d 20	sustain2h 24	sustain2i 25
	sustain2g 23	sustain2k 27	sustain2l 28
	sustain2j 26	sustain2n 30	sustain2o 31
	sustain2m 29	thiel1 33	thiel2 34
	sustain2p 32	thiel3 36	thiel3a 37-38
	thiel13 35	thiel32 40-41	thiel33 42-43
	thiel31 39	thiel61a 45	thiel61b 46
	thiel51 44	thiel72 49-50	thiel73 51-52
	thiel71 47-48	thiel42 54	
	thiel41 53	CD2 56-57	
	CD1 55	CD5a 60	CD4@a 61
	CD3 58-59		
	CD4@b 62	CD4@d 64	CD4@e 65
	CD4@c 63	CD4@g 67	CD6 68-69
	CD4@f 66	CD7@b 71	CD7@c 72
	CD7@a 70	partyid 74	P17@a 75
	CD7@d 73	P17@c 77	P17@d 78
	P17@b 76	CD8 80	
	ideology 79	CD10 2-3	CD11 4-5
/3	married 1 (A)	UN1 8	UN2 9
	CD15 6-7	inca 11	incb 12
	UN3 10	incc 14	incd 15
	incca 13	incg 17	inch 18
	incf 16	inci 20	income 21-22
	incha 19	X1 25	zipcode 26-30
	CD26 23-24	demo_Detroit 34	cellular2 35-36
	demo_county 31-33	demo_cell14 38-40	
	demo_cell1 37	rname 2-21 (A)	
/5	RI 1	length 3-6	idate 7-14
/6	contacts 1	males 18-19	emales 20-21

VARIABLE LABELS

CASEID 'case identification number' /  
ID1 'Case ID' /  
R1 'Data Record' /  
cnty 'County' /  
regn 'Region' /

```

random1      'Random 1' /
random2      'Random 2' /
random3      'Random 3' /
random4      'Random 4' /
random5      'Random 5' /
city2        'City' /
listed       'Sample' /
CC1          'Past Financial' /
CC2          'Future Financial' /
CC3          'Current Financial' /
CC4          'Inflation Rate' /
CC5          'Unemployment Situation' /
CC6          'Business Conditions' /
PO1          'Obama Rating' /
PO2          'Snyder Rating' /
gupta01      'Tax - Effectiveness' /
gupta02      'Tax - Percentage' /
gupta03      'Tax - High-Income' /
gupta04      'Tax - Low-Income' /
gupta05      'Tax - Similar' /
gupta06      'Tax - Comparison' /
gupta07      'Tax - Homeowner' /
gupta08      'Tax - Mortgage' /
gupta09      'Tax - Preparer' /
gupta10      'Tax - Software' /
gupta11      'Tax - Assistance' /
gupta12      'Tax - Cash to Poor' /
gupta13      'Tax - Military' /
gupta14      'Tax - Social Security' /
gupta15      'Tax - Foreign Aid' /
marquart01   'Energy - Rebates' /
marquart02   'Energy - Policy' /
marquart03   'Energy - 2025' /
marquart04   'Energy - Promote' /
marquart05   'Energy - Officials - Best Interests' /
marquart06   'Energy - Officials - Trust' /
marquart07   'Energy - Officials - Good Decisions' /
marquart08   'Energy - Officials - Know Best' /
marquart09   'Energy - Weatherize' /
marquart10   'Energy - HVAC' /
marquart11   'Energy - Appliances' /
marquart12   'Energy - Maintenance' /
marquart13   'Energy - Carpool' /
marquart14   'Energy - Thermostat Summer' /
marquart15   'Energy - Thermostat Winter' /
marquart16   'Energy - Approach' /
sustain1a    'Sustainability - Associate - Economy' /
sustain1b    'Sustainability - Associate - Ecosystem' /
sustain1c    'Sustainability - Associate - Equality' /
sustain1d    'Sustainability - Associate - Climate Change' /
sustain1e    'Sustainability - Associate - Conservation' /
sustain1f    'Sustainability - Associate - Consumption' /
sustain1g    'Sustainability - Associate - Diversity' /
sustain1h    'Sustainability - Associate - Educated' /
sustain1i    'Sustainability - Associate - Engaged' /
sustain1j    'Sustainability - Associate - Health' /
sustain1k    'Sustainability - Associate - Animals' /
sustain1l    'Sustainability - Associate - Parks' /
sustain1m    'Sustainability - Associate - Growth' /
sustain1n    'Sustainability - Associate - Poverty' /
sustain1o    'Sustainability - Associate - Water' /
sustain1p    'Sustainability - Associate - Food' /
sustain2a    'Sustainability - Importance - Economy' /
sustain2b    'Sustainability - Importance - Ecosystem' /
sustain2c    'Sustainability - Importance - Equality' /
sustain2d    'Sustainability - Importance - Climate Change' /
sustain2e    'Sustainability - Importance - Conservation' /

```

sustain2f 'Sustainability - Importance - Consumption' /  
 sustain2g 'Sustainability - Importance - Diversity' /  
 sustain2h 'Sustainability - Importance - Educated' /  
 sustain2i 'Sustainability - Importance - Engaged' /  
 sustain2j 'Sustainability - Importance - Health' /  
 sustain2k 'Sustainability - Importance - Animals' /  
 sustain2l 'Sustainability - Importance - Parks' /  
 sustain2m 'Sustainability - Importance - Growth' /  
 sustain2n 'Sustainability - Importance - Poverty' /  
 sustain2o 'Sustainability - Importance - Water' /  
 sustain2p 'Sustainability - Importance - Food' /  
 thiell 'Newborn Screening - Keep' /  
 thiel2 'Newborn Screening - Available' /  
 thiell3 'Newborn Screening - MBDC' /  
 thiell3 'Newborn Screening - BioTrust' /  
 thiell3a 'Newborn Screening - BioTrust - Hear' /  
 thiell31 'Newborn Screening - BioTrust - Born' /  
 thiell32 'Newborn Screening - Children' /  
 thiell33 'Newborn Screening - 2010' /  
 thiell51 'Newborn Screening - Research 1' /  
 thiell61a 'Newborn Screening - Research 2' /  
 thiell61b 'Newborn Screening - Research 3' /  
 thiell71 'Newborn Screening - Benefit' /  
 thiell72 'Newborn Screening - Risk' /  
 thiell73 'Newborn Screening - Child' /  
 thiell41 'Newborn Screening - TF 1' /  
 thiell42 'Newborn Screening - TF 2' /  
 CD1 'Sex' /  
 CD2 'Year Birth' /  
 CD3 'Education Level' /  
 CD5a '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 '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' /  
 P17@c 'Political Ideology - Liberal' /  
 P17@d 'Political Ideology - Middle/Neither' /  
 ideology 'Political Ideology - Lean' /  
 CD8 'Marital Status' /  
 married 'Married' /  
 CD10 'Adults HH' /  
 CD11 'Children HH' /  
 CD15 'Employment' /  
 UN1 'Union Member' /  
 UN2 'Ever Union Member' /  
 UN3 'Union Family' /  
 inca 'Income Above \$40,000' /  
 incb 'Income Below \$20,000' /  
 incca 'Income Below \$30,000' /  
 incd '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       'Phone Lines' /
X1         'Type Community' /
zipcode    'Zipcode' /
demo_county 'County' /
demo_Detroit 'Live in Detroit' /
cellular2   'City of Residence' /
demo_cell1  'Cell Phone' /
demo_cell4  'Calls to Cell Phone' /
RI          'RI' /
rname       'R Name' /
contacts   'contacts' /
length     'Interview Length' /
idate      'Interview Date' /
iwer        'Interviewer' /
males      'Males' /
females    'Females' /
.

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' /
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' /
gupta01    1 'VERY EFFECTIVELY' 2 'SOMEWHAT EFFECTIVELY'
            3 'NEITHER EFFECTIVELY NOR INEFFECTIVELY (R VOLUNTEERED)'
            4 'SOMEWHAT INEFFECTIVELY' 5 'VERY INEFFECTIVELY'
            8 'DO NOT KNOW' 9 'REFUSED' /
gupta02    0 'PERCENT' 100 'PERCENT' 998 'DO NOT KNOW' 999 'REFUSED' /
gupta03    1 'MUCH HIGHER THAN IT IS NOW'
            2 'SOMEWHAT HIGHER THAN IT IS NOW' 3 'ABOUT RIGHT'
            4 'SOMEWHAT LOWER THAN IT IS NOW' 5 'MUCH LOWER THAN IT IS NOW'
            8 'DO NOT KNOW' 9 'REFUSED' /
gupta04    1 'MUCH HIGHER THAN IT IS NOW'
            2 'SOMEWHAT HIGHER THAN IT IS NOW' 3 'ABOUT RIGHT'
            4 'SOMEWHAT LOWER THAN IT IS NOW' 5 'MUCH LOWER THAN IT IS NOW'
            8 'DO NOT KNOW' 9 'REFUSED' /
gupta05    1 'MUCH HIGHER THAN IT IS NOW'
            2 'SOMEWHAT HIGHER THAN IT IS NOW' 3 'ABOUT RIGHT'
            4 'SOMEWHAT LOWER THAN IT IS NOW' 5 'MUCH LOWER THAN IT IS NOW'
            8 'DO NOT KNOW' 9 'REFUSED' /
gupta06    1 'MUCH HIGHER' 2 'SOMEWHAT HIGHER' 3 'ABOUT THE SAME'
            4 'SOMEWHAT LOWER' 5 'MUCH LOWER' 8 'DO NOT KNOW' 9 'REFUSED' /
gupta07    1 'YES' 2 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
gupta08    1 'YES' 2 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
gupta09    1 'YES' 2 'NO'
            3 'RESPONSIBILITY SHARED WITH ANOTHER HOUSEHOLD MEMBER (R VOLUN'
            8 'DO NOT KNOW' 9 'REFUSED' /
gupta10   1 'YES' 2 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
gupta11   1 'YES' 2 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /

```

gupta12 1 'MUCH LESS THAN THEY SHOULD BE'  
 2 'SOMEWHAT LESS THAN THEY SHOULD BE' 3 'ABOUT RIGHT'  
 4 'SOMEWHAT MORE THAN THEY SHOULD BE'  
 5 'MUCH MORE THAN THEY SHOULD BE' 8 'DO NOT KNOW' 9 'REFUSED' /  
 gupta13 1 'MUCH LESS THAN THEY SHOULD BE'  
 2 'SOMEWHAT LESS THAN THEY SHOULD BE' 3 'ABOUT RIGHT'  
 4 'SOMEWHAT MORE THAN THEY SHOULD BE'  
 5 'MUCH MORE THAN THEY SHOULD BE' 8 'DO NOT KNOW' 9 'REFUSED' /  
 gupta14 1 'MUCH LESS THAN THEY SHOULD BE'  
 2 'SOMEWHAT LESS THAN THEY SHOULD BE' 3 'ABOUT RIGHT'  
 4 'SOMEWHAT MORE THAN THEY SHOULD BE'  
 5 'MUCH MORE THAN THEY SHOULD BE' 8 'DO NOT KNOW' 9 'REFUSED' /  
 gupta15 1 'MUCH LESS THAN THEY SHOULD BE'  
 2 'SOMEWHAT LESS THAN THEY SHOULD BE' 3 'ABOUT RIGHT'  
 4 'SOMEWHAT MORE THAN THEY SHOULD BE'  
 5 'MUCH MORE THAN THEY SHOULD BE' 8 'DO NOT KNOW' 9 'REFUSED' /  
 marquart01 1 'STRONGLY AGREE' 2 'AGREE' 3 'NEUTRAL (R VOLUNTEERED)'  
 4 'DISAGREE' 5 'STRONGLY DISAGREE' 8 'DO NOT KNOW' 9 'REFUSED' /  
 marquart02 1 'STRONGLY AGREE' 2 'AGREE' 3 'NEUTRAL (R VOLUNTEERED)'  
 4 'DISAGREE' 5 'STRONGLY DISAGREE' 8 'DO NOT KNOW' 9 'REFUSED' /  
 marquart03 1 'STRONGLY AGREE' 2 'AGREE' 3 'NEUTRAL (R VOLUNTEERED)'  
 4 'DISAGREE' 5 'STRONGLY DISAGREE' 8 'DO NOT KNOW' 9 'REFUSED' /  
 marquart04 1 'STRONGLY AGREE' 2 'AGREE' 3 'NEUTRAL (R VOLUNTEERED)'  
 4 'DISAGREE' 5 'STRONGLY DISAGREE' 8 'DO NOT KNOW' 9 'REFUSED' /  
 marquart05 1 'STRONGLY AGREE' 2 'AGREE' 3 'NEUTRAL (R VOLUNTEERED)'  
 4 'DISAGREE' 5 'STRONGLY DISAGREE' 8 'DO NOT KNOW' 9 'REFUSED' /  
 marquart06 1 'STRONGLY AGREE' 2 'AGREE' 3 'NEUTRAL (R VOLUNTEERED)'  
 4 'DISAGREE' 5 'STRONGLY DISAGREE' 8 'DO NOT KNOW' 9 'REFUSED' /  
 marquart07 1 'STRONGLY AGREE' 2 'AGREE' 3 'NEUTRAL (R VOLUNTEERED)'  
 4 'DISAGREE' 5 'STRONGLY DISAGREE' 8 'DO NOT KNOW' 9 'REFUSED' /  
 marquart08 1 'STRONGLY AGREE' 2 'AGREE' 3 'NEUTRAL (R VOLUNTEERED)'  
 4 'DISAGREE' 5 'STRONGLY DISAGREE' 8 'DO NOT KNOW' 9 'REFUSED' /  
 marquart09 1 '1 (VERY HARD)' 2 '2' 3 '3' 4 '4' 5 '5 (VERY EASY)'  
 7 'ALREADY DONE' 8 'DO NOT KNOW' 9 'REFUSED' /  
 marquart10 1 '1 (VERY HARD)' 2 '2' 3 '3' 4 '4' 5 '5 (VERY EASY)'  
 7 'ALREADY DONE' 8 'DO NOT KNOW' 9 'REFUSED' /  
 marquart11 1 '1 (VERY HARD)' 2 '2' 3 '3' 4 '4' 5 '5 (VERY EASY)'  
 7 'ALREADY DONE' 8 'DO NOT KNOW' 9 'REFUSED' /  
 marquart12 1 '1 (VERY HARD)' 2 '2' 3 '3' 4 '4' 5 '5 (VERY EASY)'  
 7 'ALREADY DONE' 8 'DO NOT KNOW' 9 'REFUSED' /  
 marquart13 1 '1 (VERY HARD)' 2 '2' 3 '3' 4 '4' 5 '5 (VERY EASY)'  
 7 'ALREADY DONE' 8 'DO NOT KNOW' 9 'REFUSED' /  
 marquart14 1 '1 (VERY HARD)' 2 '2' 3 '3' 4 '4' 5 '5 (VERY EASY)'  
 7 'ALREADY DONE' 8 'DO NOT KNOW' 9 'REFUSED' /  
 marquart15 1 '1 (VERY HARD)' 2 '2' 3 '3' 4 '4' 5 '5 (VERY EASY)'  
 7 'ALREADY DONE' 8 'DO NOT KNOW' 9 'REFUSED' /  
 marquart16 1 'PRODUCTION OF MORE OIL, GAS AND COAL SUPPLIES'  
 2 'DEVELOPMENT OF ALTERNATIVE ENERGY SUCH AS WIND AND SOLAR POW'  
 8 'DO NOT KNOW' 9 'REFUSED' /  
 sustain1a 1 'YES' 2 'NO'  
 7 'R DOESN~T UNDERSTAND WORD ~SUSTAINABILITY~ EVEN AFTER PROBIN'  
 8 'DO NOT KNOW' 9 'REFUSED' /  
 sustain1b 1 'YES' 2 'NO'  
 7 'R DOESN~T UNDERSTAND WORD ~SUSTAINABILITY~ EVEN AFTER PROBIN'  
 8 'DO NOT KNOW' 9 'REFUSED' /  
 sustain1c 1 'YES' 2 'NO'  
 7 'R DOESN~T UNDERSTAND WORD ~SUSTAINABILITY~ EVEN AFTER PROBIN'  
 8 'DO NOT KNOW' 9 'REFUSED' /  
 sustain1d 1 'YES' 2 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /  
 sustain1e 1 'YES' 2 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /  
 sustain1f 1 'YES' 2 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /  
 sustain1g 1 'YES' 2 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /  
 sustain1h 1 'YES' 2 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /  
 sustain1i 1 'YES' 2 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /  
 sustain1j 1 'YES' 2 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /  
 sustain1k 1 'YES' 2 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /  
 sustain1l 1 'YES' 2 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /



```

9 'REFUSED' /
thiel1 1 'YES' 2 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
thiel2 1 'YES' 2 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
thiel13 1 'YES' 2 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
thiel3 1 'YES' 2 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
thiel3a 1 'HOSPITAL/HOSPITAL PAPERS' 2 'DOCTOR/DOCTORS OFFICE'
3 'TV/NEWSPAPER/RADIO/MAGAZINE' 4 'FRIEND/FAMILY'
5 'SCHOOL OR COLLEGE' 9 'MISC/OTHER' 98 'DO NOT KNOW'
99 'REFUSED' /
thiel31 1 'YES' 2 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /
thiel32 98 'DO NOT KNOW' 99 'REFUSED' /
thiel33 98 'DO NOT KNOW' 99 'REFUSED' /
thiel51 1 'STRONGLY FAVOR' 2 'SOMEWHAT FAVOR'
3 'NEITHER FAVOR NOR OPPOSE (R VOLUNTEERED)' 4 'SOMEWHAT OPPOSE'
5 'STRONGLY OPPOSE' 8 'DO NOT KNOW' 9 'REFUSED' /
thiel61a 1 'STRONGLY FAVOR' 2 'SOMEWHAT FAVOR'
3 'NEITHER FAVOR NOR OPPOSE (R VOLUNTEERED)' 4 'SOMEWHAT OPPOSE'
5 'STRONGLY OPPOSE' 8 'DO NOT KNOW' 9 'REFUSED' /
thiel61b 1 'STRONGLY FAVOR' 2 'SOMEWHAT FAVOR'
3 'NEITHER FAVOR NOR OPPOSE (R VOLUNTEERED)' 4 'SOMEWHAT OPPOSE'
5 'STRONGLY OPPOSE' 8 'DO NOT KNOW' 9 'REFUSED' /
thiel71 98 'DO NOT KNOW' 99 'REFUSED' /
thiel72 98 'DO NOT KNOW' 99 'REFUSED' /
thiel73 98 'DO NOT KNOW' 99 'REFUSED' /
thiel41 1 'TRUE' 2 'FALSE' 8 'DO NOT KNOW' 9 'REFUSED' /
thiel42 1 'TRUE' 2 'FALSE' 8 'DO NOT KNOW' 9 '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'
1 'CATHOLIC; ROMAN CATHOLIC, ORTHODOX' 2 'ISLAMIC/MUSLIM'
3 'JEWISH'
4 'PROTESTANT (include: Baptist, Methodist, Lutheran, Episcopal'
5 'OTHER NON-CHRISTIAN (include: Unitarian-Universalist, Hindu'
6 'OTHER CHRISTIAN (include: Jehovah Witness, Mormon, 7th Day A'
94 'NO RELIGION/AGNOSTIC/ATHEIST' 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' /  
 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 VACATION, SICK LEA'  
 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 'GOGBIC'  
 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 777 'ZERO, NONE' 888 'DO NOT KNOW' 999 'REFUSED' /  
 RI 1 'YES' 5 'NO' 8 'DO NOT KNOW' 9 'REFUSED' /  
 .

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 PO1 (9,8).  
MISSING VALUES PO2 (9,8).  
MISSING VALUES gupta01 (9,8).  
MISSING VALUES gupta02 (999,998).  
MISSING VALUES gupta03 (9,8).  
MISSING VALUES gupta04 (9,8).  
MISSING VALUES gupta05 (9,8).  
MISSING VALUES gupta06 (9,8).  
MISSING VALUES gupta07 (9,8).  
MISSING VALUES gupta08 (9,8).  
MISSING VALUES gupta09 (9,8).  
MISSING VALUES gupta10 (9,8).  
MISSING VALUES gupta11 (9,8).  
MISSING VALUES gupta12 (9,8).  
MISSING VALUES gupta13 (9,8).  
MISSING VALUES gupta14 (9,8).  
MISSING VALUES gupta15 (9,8).  
MISSING VALUES marquart01 (9,8).  
MISSING VALUES marquart02 (9,8).  
MISSING VALUES marquart03 (9,8).  
MISSING VALUES marquart04 (9,8).  
MISSING VALUES marquart05 (9,8).  
MISSING VALUES marquart06 (9,8).  
MISSING VALUES marquart07 (9,8).  
MISSING VALUES marquart08 (9,8).  
MISSING VALUES marquart09 (9,8).  
MISSING VALUES marquart10 (9,8).  
MISSING VALUES marquart11 (9,8).  
MISSING VALUES marquart12 (9,8).  
MISSING VALUES marquart13 (9,8).  
MISSING VALUES marquart14 (9,8).  
MISSING VALUES marquart15 (9,8).  
MISSING VALUES marquart16 (9,8).  
MISSING VALUES sustain1a (9,8).  
MISSING VALUES sustain1b (9,8).  
MISSING VALUES sustain1c (9,8).  
MISSING VALUES sustain1d (9,8).  
MISSING VALUES sustain1e (9,8).  
MISSING VALUES sustain1f (9,8).  
MISSING VALUES sustain1g (9,8).  
MISSING VALUES sustain1h (9,8).  
MISSING VALUES sustain1i (9,8).  
MISSING VALUES sustain1j (9,8).  
MISSING VALUES sustain1k (9,8).  
MISSING VALUES sustain1l (9,8).  
MISSING VALUES sustain1m (9,8).  
MISSING VALUES sustain1n (9,8).  
MISSING VALUES sustain1o (9,8).  
MISSING VALUES sustain1p (9,8).  
MISSING VALUES sustain2a (9,8).  
MISSING VALUES sustain2b (9,8).  
MISSING VALUES sustain2c (9,8).  
MISSING VALUES sustain2d (9,8).  
MISSING VALUES sustain2e (9,8).  
MISSING VALUES sustain2f (9,8).  
MISSING VALUES sustain2g (9,8).  
MISSING VALUES sustain2h (9,8).
```

MISSING VALUES sustain2i (9,8).  
MISSING VALUES sustain2j (9,8).  
MISSING VALUES sustain2k (9,8).  
MISSING VALUES sustain2l (9,8).  
MISSING VALUES sustain2m (9,8).  
MISSING VALUES sustain2n (9,8).  
MISSING VALUES sustain2o (9,8).  
MISSING VALUES sustain2p (9,8).  
MISSING VALUES thiel1 (9,8).  
MISSING VALUES thiel2 (9,8).  
MISSING VALUES thiel13 (9,8).  
MISSING VALUES thiel3 (9,8).  
MISSING VALUES thiel3a (99,98).  
MISSING VALUES thiel31 (9,8).  
MISSING VALUES thiel32 (99,98).  
MISSING VALUES thiel33 (99,98).  
MISSING VALUES thiel51 (9,8).  
MISSING VALUES thiel61a (9,8).  
MISSING VALUES thiel61b (9,8).  
MISSING VALUES thiel71 (99,98).  
MISSING VALUES thiel72 (99,98).  
MISSING VALUES thiel73 (99,98).  
MISSING VALUES thiel41 (9,8).  
MISSING VALUES thiel42 (9,8).  
MISSING VALUES CD2 (9,8).  
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\_cell11 (9,8).  
MISSING VALUES demo\_cell14 (999,888).  
MISSING VALUES RI (9,8).

## **13. Weighting Commands**

```

*      ACTION: Open Recall data (after merging with SOSS n-2 data).
*      ACTION: Run types.sps.

SORT CASES by CASEID (A).

*      ACTION: Change character in at end of COMPUTE line to first char in RDD Recall CaseIDs.

USE ALL.
COMPUTE filter_$=(CHAR.SUBSTR(CASEID,1,1)='g').
VARIABLE LABELS filter_$ "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.

USE ALL.
COMPUTE filter_$=(CHAR.SUBSTR(CASEID,1,1)='t').
VARIABLE LABELS filter_$ "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.

* ACTION: Save new dataset as ##recallrdd##a.sav
* ACTION: Close RDD Recall dataset.

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

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

*      ACTION: Open Fresh RDD data.
* ACTION: Close Merged Recall dataset (don't save).
*      ACTION: Run 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 RDD Recall data with Fresh RDD data.

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

```

```

*      ACTION: Confirm Frequencies.
* ACTION: Save Combined data.

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: Enter freq into Excel.
*      ACTION: Copy weights into section below.

compute listwt=1.
if (listed=1 or listed=3) listwt=0.7716.
if (listed=2) listwt=2.2212.

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 9 (Missing) - Artifact of allowing 0
response in Recall Cell.

```

```

frequencies variables=demo_cell1.
missing values demo_cell1 () .
recode demo_cell1 (sysmis=99) .
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 98)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 (divide by 10).
*      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=1.733*listwt.
if (numphone eq 2)phwt=0.8665*listwt.
if (numphone eq 3)phwt=0.5777*listwt.
if (numphone eq 4)phwt=0.4332*listwt.
if (numphone eq 5)phwt=0.3466*listwt.
if (numphone eq 6)phwt=1*listwt.
if (numphone eq 7)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,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 (divide by 10).
*      ACTION: Copy weights into section below.

*      This adjusts weight by number of adults in the household.

compute adltwt=phwt.
if (cd10=1 or cd10=99)adltwt=phwt*0.5629.
if (cd10=2)adltwt=phwt*1.1258.
if (cd10=3)adltwt=phwt*1.6887.
if (cd10=4)adltwt=phwt*2.2515.
if (cd10=5)adltwt=phwt*2.8144.
if (cd10=6)adltwt=phwt*1.
if (cd10=7)adltwt=phwt*3.9402.
if (cd10=8)adltwt=phwt*1.
if (cd10=9)adltwt=phwt*1.
if (cd10=10)adltwt=phwt*1.
if (cd10=11)adltwt=phwt*1.
if (cd10=12)adltwt=phwt*1.
if (cd10=13)adltwt=phwt*1.

weight by adltwt.
freq var=cd10.

```

```

*      ACTION: Confirm total against Excel.

*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 combined Landline data.

*      ACTION: Open Fresh Cell data.
*      ACTION: Close Landline data.
* ACTION: Run 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 Cell Recall data with Fresh Cell data.

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

* ACTION: Save Combined Cell data.

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 Landline' 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 (divide by 10).
*      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=1.3179*listwt.
if (numphone eq 2)phwt=0.6589*listwt.
if (numphone eq 3)phwt=0.4393*listwt.
if (numphone eq 4)phwt=0.3295*listwt.
if (numphone eq 5)phwt=0.2636*listwt.
if (numphone eq 6)phwt=0.2196*listwt.
if (numphone eq 7)phwt=0.1883*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.
*      ACTION: Merge Landline data with Cell data.

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

* ACTION: Confirm source breakdown.
* ACTION: Save merged file as ##all##a.sav.

compute tempwt=adltwt*10.
weight by tempwt.

frequencies variables = phstatus.

*      ACTION: Enter freq into Excel (divide by 10).
*      ACTION: Copy weights into section below.

*Table 5.
missing values phstatus () .
compute landcellwt=1.
if (phstatus eq 1 or phstatus=9)landcellwt=0.5109*adltwt.
if (phstatus eq 2)landcellwt=1.12125*adltwt.
if (phstatus eq 3)landcellwt=1.0177*adltwt.
weight by landcellwt.
frequencies variables= phstatus.

*      ACTION: Confirm total against Excel.
*      ACTION: Enter total into Excel.

weight off.
frequencies variables=phstatus.

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

*Table 6.
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 and cd2 le 93)age=111-cd2.
*if (cd2 gt 88 and cd2 lt 900)age=100+(100-cd2).
if (cd2 ge 98)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 into Excel.
*      ACTION: Copy weights into section below.

if (imprace eq 1)REGNRACEwt=ovrsamwt*0.9394.
if (imprace eq 2)REGNRACEwt=ovrsamwt*1.197.
if (imprace eq 3)REGNRACEwt=ovrsamwt*1.7377.

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: Enter freq into Excel Converter, copy highlighted content to spreadsheet.
*      ACTION: Copy weights into section below.

recode cd1 (5=2).

compute sexagewt=REGNRACEwt.
if (cd1=1 and agecat7 eq 1)sexagewt=REGNRACEwt*1.4613.
if (cd1=1 and agecat7 eq 2)sexagewt=REGNRACEwt*1.2657.
if (cd1=1 and agecat7 eq 3)sexagewt=REGNRACEwt*0.9472.
if (cd1=1 and agecat7 eq 4)sexagewt=REGNRACEwt*0.722.
if (cd1=1 and agecat7 eq 5)sexagewt=REGNRACEwt*0.6109.
if (cd1=1 and agecat7 eq 6)sexagewt=REGNRACEwt*1.0238.
if (cd1=1 and agecat7 eq 7)sexagewt=REGNRACEwt*1.2338.

if (cd1=2 and agecat7 eq 1)sexagewt=REGNRACEwt*1.1611.
if (cd1=2 and agecat7 eq 2)sexagewt=REGNRACEwt*1.593.
if (cd1=2 and agecat7 eq 3)sexagewt=REGNRACEwt*0.8743.
if (cd1=2 and agecat7 eq 4)sexagewt=REGNRACEwt*1.0869.
if (cd1=2 and agecat7 eq 5)sexagewt=REGNRACEwt*0.8306.
if (cd1=2 and agecat7 eq 6)sexagewt=REGNRACEwt*0.739.
if (cd1=2 and agecat7 eq 7)sexagewt=REGNRACEwt*1.7999.

weight by sexagewt.

compute roundwt=sexagewt*10.
weight by roundwt.

freq var=regn

*      ACTION: Enter freq into Excel (divide by 10); RIGHT column.

weight off.
freq var=regn.

*      ACTION: Enter freq into Excel; LEFT 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*1.06796.
if (regn=2)adjwt=sexagewt*1.21043.

```

```

if (regn=3) adjwt=sexagewt*1.00254.
if (regn=4) adjwt=sexagewt*1.10701.
if (regn=5) adjwt=sexagewt*0.98633.
if (regn=6) adjwt=sexagewt*0.99924.
if (regn=7) adjwt=sexagewt*0.78125.

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 msueregn.

value labels msueregn 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.

compute msuewt=adjwt.
if (regn=7) msuewt=adjwt*1.00241.
if (regn=6) msuewt=adjwt*0.99963.
weight by msuewt.
freq var=msueregn regn cd1.

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

*      ACTION: Enter freq into Excel (divide by 10).
*      ACTION: Copy weights into section below.

compute statewt=msuewt.
if (msueregn eq 1) statewt=msuewt*0.74024.
if (msueregn eq 2) statewt=msuewt*0.76138.
if (msueregn eq 3) statewt=msuewt*0.94291.
if (msueregn eq 4) statewt=msuewt*0.95247.
if (msueregn eq 5) statewt=msuewt*0.82537.
if (msueregn eq 6) statewt=msuewt*1.15223.
freq var=regn 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 (incb=1) newinc=2.
if (incb=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

```

```

newregn2 'Alternate coding of cases into regions based on FIPS'/
listwt 'Weight adjustment for listed vs nonlisted numbers'/
phwt 'Weight adjustment for number of phone lines to HHLD'/
adltwt 'Weight adjustment for number adults in HHLD'/
age 'Rs age calculated from year born (CD2)'/
agecat 'Rs age in categories'/
rac3 'Rs race in 3 categories and missing'/
mult2 'Number racial groups R claims'/
races 'Rs race in 6 categories'/
imprace 'Rs race in 3 categories with imputation if missing'/
adj1 'interim weight adjustment'/
ovrsamwt 'interim weight adjustment'/
REGNRACEwt 'Sex x Race x Region weight adjustment'/
sexagewt 'Age x Region weight adjustment'/
adjwt 'Adjustment to correct rounding errors within region'/
msueregn 'MSU Extension Regions (Detroit in Reg.6)'/'
msuewt 'Weight to fold Detroit into Region 6'/
statewt 'Final weight for statewide analysis'/
newinc 'New Version of income responses (11 categories)'/
source 'Sample Source'/
agecat7 'R Age in 7 Census Categories'/
educat4 'Respondent Education in 4 categories'/. 

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

*      ACTION: Enter Valid Percets into Excel.
* 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: Enter freq into Excel (divide by 10).
*      ACTION: Copy weights into section below.

*Table 5.
missing values phstatus () .
compute landcellwt2=1.
if (phstatus eq 1 or phstatus=9)landcellwt2=1.0799*statewt.
if (phstatus eq 2)landcellwt2=1.069*statewt.
if (phstatus eq 3)landcellwt2=0.8948*statewt.

weight by landcellwt2.
frequencies variables= phstatus.

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

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

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

compute tempwt=landcellwt2*10.
weight by tempwt.
frequencies variables=source.

*Table 6.
compute totalwt2=1*landcellwt2.
weight by totalwt2.
frequencies variables=phstatus source.

```

```

compute tempwt=totalwt2*10.
weight by tempwt.
frequencies variables=source.

compute adj2=totalwt2.
compute ovrsamwt2=adj2.
compute roundwt=ovrsamwt2*10.
weight by roundwt.

frequencies variables=cd1.

CROSSTABS
/TABLES= regn BY imprace
/FORMAT= AVALUE NOINDEX BOX LABELS TABLES
/CELLS= COUNT.

*      ACTION: Enter freq into Excel (divide by 10).
*      ACTION: Copy weights into section below.

* This weights cases by gender, imprace and region.
compute REGNRACEwt2=ovrsamwt2.
if (imprace eq 1)REGNRACEwt2=ovrsamwt2*0.9797.
if (imprace eq 2)REGNRACEwt2=ovrsamwt2*1.1529.
if (imprace eq 3)REGNRACEwt2=ovrsamwt2*0.9678.

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.

*      ACTION: Enter freq into Excel Converter.
*      ACTION: Copy weights into section below.

compute sexagewt2=regnracewt2.
if (cd1=1 and agecat7 eq 1)sexagewt2=REGNRACEwt2*1.0865.
if (cd1=1 and agecat7 eq 2)sexagewt2=REGNRACEwt2*1.0322.
if (cd1=1 and agecat7 eq 3)sexagewt2=REGNRACEwt2*0.9936.
if (cd1=1 and agecat7 eq 4)sexagewt2=REGNRACEwt2*0.9743.
if (cd1=1 and agecat7 eq 5)sexagewt2=REGNRACEwt2*0.928.
if (cd1=1 and agecat7 eq 6)sexagewt2=REGNRACEwt2*0.9625.
if (cd1=1 and agecat7 eq 7)sexagewt2=REGNRACEwt2*0.9051.

if (cd1=2 and agecat7 eq 1)sexagewt2=REGNRACEwt2*1.0957.
if (cd1=2 and agecat7 eq 2)sexagewt2=REGNRACEwt2*1.0401.
if (cd1=2 and agecat7 eq 3)sexagewt2=REGNRACEwt2*0.9827.
if (cd1=2 and agecat7 eq 4)sexagewt2=REGNRACEwt2*0.9573.
if (cd1=2 and agecat7 eq 5)sexagewt2=REGNRACEwt2*0.9659.
if (cd1=2 and agecat7 eq 6)sexagewt2=REGNRACEwt2*0.9187.
if (cd1=2 and agecat7 eq 7)sexagewt2=REGNRACEwt2*0.9956.

weight by sexagewt2.

compute roundwt=sexagewt2*10.
weight by roundwt.

freq var=regn

*      ACTION: Enter total into Excel;RIGHT.

weight off.
freq var=regn.

```

```
*      ACTION: Confirm total against Excel.  
*      ACTION: Enter total into Excel; LEFT.
```

\*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*1.35385.  
if (regn=2) adjwt2=sexagewt2*1.31846.  
if (regn=3) adjwt2=sexagewt2*1.05615.  
if (regn=4) adjwt2=sexagewt2*1.08043.  
if (regn=5) adjwt2=sexagewt2*1.2108.  
if (regn=6) adjwt2=sexagewt2*0.87544.  
if (regn=7) adjwt2=sexagewt2*0.79893.
```

```
weight by adjwt2.  
freq var=regn.
```

```
*      ACTION: Copy weights into section below.
```

```
weight off.  
freq var=regn.
```

```
compute tempwt=10*adjwt2.  
weight by tempwt.
```

```
freq var=msueregn newregn.
```

```
compute msuewt2=adjwt2.  
if (regn=7) msuewt2=adjwt2*1.0024.  
if (regn=6) msuewt2=adjwt2*0.9996.
```

```
weight by msuewt2.  
freq var=msueregn regn cd1.
```

```
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*0.74017.  
if (msueregn eq 2) statewt2=msuewt2*0.76365.  
if (msueregn eq 3) statewt2=msuewt2*0.94281.  
if (msueregn eq 4) statewt2=msuewt2*0.95238.  
if (msueregn eq 5) statewt2=msuewt2*0.82529.  
if (msueregn eq 6) statewt2=msuewt2*1.15186.
```

```
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 adjwt10=adjwt2*10000.  
compute msuewt10=msuewt2*10000.  
compute statewt10=statewt2*10000.  
*compute racewt=racewt*10000.  
execute.  
weight by statewt2.
```

```
frequencies variables = cd1 imprace agecat7 msueregn.
```

```

*      ACTION: Enter Valid Percets into Excel.
* ACTION: If Demographics don't match Actual within ~1%, do 3rd Iteration.
* ACTION: If Demographics are close enough, jump to Resume2 below (search for "ACTION: Resume2") .

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 interim weight adjustment'/
  ovrsamwt 'Initial interim weight adjustment'/
  REGNRACEwt 'Initial sex x Race x Region weight adjustment'/
  sexagewt 'Initial age x Region weight adjustment'/
  adjwt 'Initial adjustment to correct rounding errors within region'/
  msuewt 'Initial weight to fold Detroit into Region 6'/
  statewt 'Initial weight for statewide analysis'/
  adj1 'interim weight adjustment'/
  ovrsamwt2 'interim weight adjustment'/
  REGNRACEwt2 'Sex x Race x Region weight adjustment'/
  sexagewt2 'Age x Region weight adjustment'/
  adjwt2 'Adjustment to correct rounding errors within region'/
  msuewt2 'Weight to fold Detroit into Region 6'/
  statewt2 'Final weight for statewide analysis'/

* ACTION: Resume.
* ACTION: Skip if 2nd round of Weighting (must use statewt2).

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

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

* ACTION: Resume2 if 2nd round of Weighting

* ACTION: Change filename and location below.
* ACTION: If 1 iteration: Use STATEWT10, ADJWT10, and MSUEWT10 below.

```

```

* ACTION: If 2 iterations: Use STATEWT210, ADJWT210, and MSUEWT210 below.
* ACTION: Copy sps from RDD (only up to "females"), delete rname, fix (A)s if needed.
* ACTION: Save dataset as soss#wtFULL.sav.

write Outfile='Q:\SOSS\Cases\soss66\FinalData\soss66wt.dat'
/1      CASEID 1-5 (A)           ID1 1-5 (A)           R1 6
       cnty 7-11                 regn 12             random1 13
       random2 14                random3 15            random4 16
       random5 17                city2 18-37 (A)        listed 38
       CC1 39                   CC2 40              CC3 41
       CC4 42                   CC5 43              CC6 44
       PO1 45                   PO2 46              gupta01 47
       gupta02 48-50             gupta03 51            gupta04 52
       gupta05 53                gupta06 54            gupta07 55
       gupta08 56                gupta09 57            gupta10 58
       gupta11 59                gupta12 60            gupta13 61
       gupta14 62                gupta15 63            marquart01 64
       marquart02 65             marquart03 66            marquart04 67
       marquart05 68             marquart06 69            marquart07 70
       marquart08 71             marquart09 72            marquart10 73
       marquart11 74             marquart12 75            marquart13 76
       marquart14 77             marquart15 78            marquart16 79
       sustain1a 80
/2      sustain1b 1              sustain1c 2          sustain1d 3
       sustain1e 4              sustain1f 5          sustain1g 6
       sustain1h 7              sustain1i 8          sustain1j 9
       sustain1k 10             sustain1l 11         sustain1m 12
       sustain1n 13             sustain1o 14         sustain1p 15
       sustain2a 17             sustain2b 18         sustain2c 19
       sustain2d 20             sustain2e 21         sustain2f 22
       sustain2g 23             sustain2h 24         sustain2i 25
       sustain2j 26             sustain2k 27         sustain2l 28
       sustain2m 29             sustain2n 30         sustain2o 31
       sustain2p 32             thieli1 33          thieli2 34
       thieli13 35             thieli3 36          thieli3a 37-38
       thieli31 39             thieli32 40-41        thieli33 42-43
       thieli51 44             thieli61a 45        thieli61b 46
       thieli71 47-48             thieli72 49-50        thieli73 51-52
       thieli41 53             CD1 55              CD2 56-57
       CD3 58-59               CD5a 60             CD4@a 61
       CD4@b 62
       CD4@c 63               CD4@d 64             CD4@e 65
       CD4@f 66               CD4@g 67             CD6 68-69
       CD7@a 70               CD7@b 71             CD7@c 72
       CD7@d 73               partyid 74            P17@a 75
       P17@b 76               P17@c 77             P17@d 78
       ideology 79
/3      married 1 (A)            CD10 2-3          CD11 4-5
       CD15 6-7               UN1 8              UN2 9
       UN3 10                inca 11            incb 12
       incca 13               incc 14            incd 15
       incf 16                incg 17            inch 18
       incha 19               inci 20            income 21-22
       CD26 23-24             X1 25              zipcode 26-30
       demo_county 31-33        demo_Detroit 34        cellular2 35-36
       demo_cell1 37             demo_cell14 38-40
/5      - RI 1
/6      contacts 1              length 3-6          idate 7-14
       iwer 15-17             males 18-19          females 20-21
       races 43                AGECAT 44          ADJWT210 46-52
       MSUEREGN 54              MSUEWT210 56-62
       STATEWT210 64-70         rac3 71            AGE 72-73
       source 77                educat4 78          imprace 74          newinc 75-76
execute .

```

DELETE VARIABLES adjwt10 msuewt10 statewt10 rname.

```
DELETE VARIABLES adjwt210 msuewt210 statewt210.  
  
* ACTION: Save dataset as soss#wt.sav.  
* ACTION: Change filenames and locations below.  
  
SAVE TRANSLATE OUTFILE='Q:\SOSS\Cases\soss66\FinalData\soss66wt.dta'  
/TYPE=STATA  
/VERSION=8  
/EDITION=SE  
/MAP  
/REPLACE.  
  
SAVE TRANSLATE OUTFILE='Q:\SOSS\Cases\soss66\FinalData\soss66wt.xls'  
/TYPE=XLS  
/VERSION=8  
/MAP  
/REPLACE  
/FIELDNAMES  
/CELLS=VALUES.  
  
EXPORT OUTFILE='Q:\SOSS\Cases\soss66\FinalData\soss66wt.por'.
```

## **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.