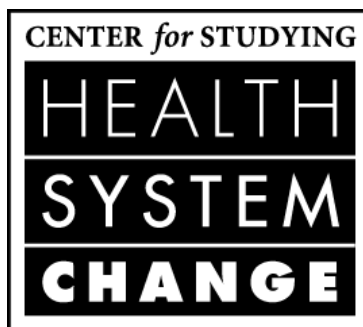


2010 Health Tracking Household Survey Restricted Use File: User's Guide

(Release 1)



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2010 Health Tracking Household Survey Fact Sheet

Survey Details	
Sample	16,671 people in 9,165 families in the contiguous U.S., representing the civilian noninstitutionalized population. The sample is nationally representative based on random digit dialing.
Time period	April 2010 – March 2011
Content	<p><i>[Some items are available only on the Restricted Use File.]</i></p> <p>Household composition Health insurance coverage Use of health services Health expenses and bills Unmet needs Usual source of care Affordable medical care for the uninsured</p> <p>Satisfaction with health care</p> <p>Health status, adult chronic conditions Perceptions of care delivery and quality Consumerism and health information seeking</p> <p>Employment and employer health insurance offerings Earnings and family income Ethnicity, race, and U.S. citizenship Demographic characteristics</p>
Differences between the 2007 (Round Five) and 2010 (Round Six) surveys	<p>A cellular phone sample was added to the national sample frame. There were also a number of changes in the variables included on the data files:</p> <ul style="list-style-type: none"> • Variables that were added: See Section 2.2.1.1 of this user’s guide. • Variables that were dropped: See Section 2.2.1.2 of this user’s guide.
Terminology	<p>The Household Survey has been conducted since 1996-97.</p> <p>“Round One” refers to the 1996-97 survey. “Round Two” refers to the 1998-99 survey. “Round Three” refers to the 2000-01 survey. “Round Four” refers to the 2003 survey. “Round Five” refers to the 2007 survey. “Round Six” refers to the 2010 survey.</p>
Types of Estimates	
Geographic areas represented	These data are designed to allow the user to calculate nationally representative estimates.
Estimates for 2010	These data can be used for calculating cross-sectional estimates for 2010.
Change estimates	The data from all six years of the survey (1996-97, 1998-99, 2000-01, 2003, 2007 and 2010) can be combined to calculate change over time.
Pooled estimates	To benefit from increased sample size, data from multiple years of the survey can be combined to calculate a single “pooled” estimate.

(continued...)

**2010 Health Tracking Household Survey
Fact Sheet (continued)**

Using the Data Files	
Obtaining the data files and documentation	<p>The data files and documentation are available through the Health and Medical Care Archive at the Inter-University Consortium for Political and Social Research (ICPSR). The web site is www.icpsr.umich.edu.</p> <p>The Public Use File can be downloaded at no cost directly from the ICPSR web site. The Restricted Use File is available to approved users only and is available at no or nominal fee. ICPSR provides the restricted data file on CD. To obtain permission to use the Restricted Use File, users must comply with conditions listed in the Household Survey Restricted Data Use Agreement, such as limiting data access to people specified in the agreement and destroying the data upon completion of the specified research project. Copies of the agreement and a description of the application process are available from the ICPSR web site.</p>
Software requirements	<p>Because the Household Survey has a complex sample design, most commonly used statistical software packages will not estimate standard errors correctly. The software recommended for analysis of the Household Survey data is SUDAAN, which accommodates the main features of the sample design. Chapter 4 of this user's guide explains how to use SUDAAN to calculate standard errors correctly.</p> <p>Not all software with the ability to analyze data from surveys with complex sample designs is able to accommodate the design of the Household Survey. For example, SAS is able to generate correct standard error estimates for site-specific estimates but not national estimates. Although SAS can account for some features of the sample design for national estimates, the fact that they cannot account for all of the major ones means that the standard error estimates will differ from those generated by SUDAAN (for national estimates). Those who are interested in using software other than SUDAAN for national estimates should consult Chapter 4 of this user's guide, as well as HSC Technical Publication No. 40, which describes the effect of using different statistical software packages to analyze the survey data. For those who decide to use Stata or SAS, Chapter 4 of this user's guide describes the most appropriate way to calculate standard errors given the limitations of those packages for analysis of Household Survey data.</p>
Differences between the Public Use File and the Restricted Use File	<p>The Public Use File contains less detailed information than the Restricted Use File in order to preserve the confidentiality of the survey respondents. The two files contain the same number of observations, but the Public Use File has fewer variables, some of which have undergone more extensive editing than those on the Restricted Use File. The Restricted Use File contains, state, and county-level identifiers for each observation, while the Public Use File contains identifiers only for U.S. Census Region. In addition, there are a number of analytic variables that are available only on the Restricted Use File. See Appendix B for a complete list of variables on the public and restricted versions of the data file.</p>
Contacting the CTS help desk	<p>HSCdataHelp@hschange.org</p>

PREFACE

Since 1995, the Center for Studying Health System Change (HSC) has been funded by the Robert Wood Johnson Foundation to conduct periodic surveys and site visits to provide information on how the health care system is changing, as well as the effects of those changes on people. Known collectively as the Community Tracking Study (CTS), these data collection activities have included site visits to 12 metropolitan areas as well as nationally representative surveys of households, physicians, health plans and employers (the latter two surveys have been discontinued).

The 2010 Health Tracking Household Survey is the sixth household survey to be conducted as part of these data collection activities, and is the second in the Health Tracking series, the successor to the CTS Household Surveys that were conducted in the first four rounds. The survey provides nationally representative cross-sectional estimates of health insurance coverage, access to care, perceptions of care delivery and the quality of care, the use of health services, and other topics. This user's guide gives researchers the information necessary for using the restricted use version of the data file containing information from the 2010 Household Survey.

Data collection for the 2010 Household Survey began in April 2010 and was completed in March 2011. Earlier versions of the survey were conducted in 1996-97, 1998-99, 2000-01, 2003 and 2007. While the first four surveys were based on representative samples of 60 communities, the 2007 and 2010 surveys were based strictly on a nationally representative sample. Each survey was designed to allow separate cross-sectional estimates of the U.S. civilian noninstitutionalized population. Researchers can use each year of the Household Surveys for separate cross-sectional analyses or combine the years to study changes in the health care system over time.

This user's guide presents background information about the 2010 Household Survey, explains how to select samples and weight variables, and discusses the correct approach to estimating variances. This discussion is followed by a description of variable construction and editing and other information about the data file. The appendices contain useful background information, such as the survey questions and detailed instructions on variance estimation. The codebook (*2010 Health Tracking Household Survey Restricted Use File: Codebook*) provides more detail on the data file, including frequencies and definitions of variables.

ACKNOWLEDGMENTS

The Center for Studying Health System Change (HSC) would like to express its great appreciation to its contractors, Mathematica Policy Research, Inc. (MPR) and Social and Scientific Systems, Inc. (SSS), for their collaboration in the production of this user's guide and the accompanying codebook and data file.

OBTAINING AND USING THE RESTRICTED USE FILE

In order to obtain and use this Restricted Use File, researchers must apply for access to the data and agree to the strict terms and conditions contained in the *2010 Health Tracking Household Survey Restricted Use Data Agreement*. Information about the application process and the data use agreement are available from the ICPSR website (www.icpsr.umich.edu).

Before applying to use the 2010 Health Tracking Household Survey Restricted Use File, researchers should consider whether the Public Use File would serve their analytic needs. The public use and restricted use versions differ in the amount of geographic detail provided, and the confidentiality masking applied to some variables. The Restricted Use File contains state and county-level identifiers for each observation, while the Public Use File does not include any state or county identifiers. Lastly, there are a number of analytic variables that are available only on the Restricted Use File. See Appendix B for a complete list of variables on the public and restricted versions of the data file.

Information on the Public Use File is available in *2010 Health Tracking Household Survey Public Use File: User's Guide* and *2010 Health Tracking Household Survey Public Use File: Codebook*, available from the ICPSR web site (www.icpsr.umich.edu).

OBTAINING TECHNICAL ASSISTANCE

Information on the 2010 Health Tracking Household Survey can be obtained through the HSC Internet home page at <http://www.hschange.org>. The Restricted Use File and the latest documentation are available through the Health and Medical Care Archive at the Inter-university Consortium for Political and Social Research at <http://www.icpsr.umich.edu>.

Technical assistance on issues related to the data file can be obtained by contacting the HSC Data Help Desk by e-mail at HSCdataHelp@hschange.org.

VISIT THE HSC WEB SITE

www.hschange.org

For users of the Household Survey data files, the HSC Web site can be a valuable resource. In addition to the HSC technical publications and descriptions of the different data collection activities, it has these useful features.

HSCdataOnline user-specified tables. HSCdataOnline is an interactive Web-based system that allows users to request a wide variety of tables with Household Survey estimates. Launched in June 2002, the system has results for both the Household Surveys (rounds one through five) and the Physician Surveys.

Lists of papers published from the public use and restricted use data files. In the section of the Web site that discusses the public and restricted use data, you can view a list of journal articles that have been published by users of the public use and restricted use data files. If you have a paper based on the survey data that is not included on the list, please let us know by sending an email to HSCdataHelp@hschange.org.

Email list for updates on the survey data. If you would like to receive email announcements when new versions of the survey data files are released, go to the Web site and click on “Sign up for HSC alerts.” Then fill out the sign-up form and check the box specific to ”HSC Data E-mail.”

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CHAPTER 1

OVERVIEW OF THE 2010 HEALTH TRACKING HOUSEHOLD SURVEY

This guide is intended to assist researchers in using the 2010 Health Tracking Household Survey (HTHS) Restricted Use File. The 2010 HTHS is second survey in the Health Tracking series, the successor to the Community Tracking Study (CTS) Household Surveys that were conducted between 1996 and 2003. The CTS and Health Tracking Household Surveys were funded by the Robert Wood Johnson Foundation and conducted by the Center for Studying Health System Change (HSC). Additional documentation and detailed information on the file layout and content are available in *2010 Health Tracking Household Survey Restricted Use File: Codebook*. Information about other aspects of the surveys is available from HSC at www.hschange.org. Technical assistance on issues related to the data file may be obtained by contacting the HSC Data Help Desk by e-mail at HSCdataHelp@hschange.org.

1.1. OBJECTIVES OF THE COMMUNITY TRACKING STUDY

The Community Tracking Study (CTS) has been the core research effort of the Center for Studying Health System Change (HSC), a nonpartisan policy research organization in Washington, D.C., that is funded in part by the Robert Wood Johnson Foundation (RWJF) and is affiliated with Mathematica Policy Research, Inc. HSC's mission is to inform health care decision makers about changes in the health care system at the local and national levels, as well as how such changes will affect people. Since 1995, HSC has conducted six rounds of household surveys and five rounds of physician surveys; an employer survey was conducted for the first round but discontinued for subsequent rounds. In addition, HSC conducted seven rounds of interviews with health care leaders in 12 communities.

The first four rounds of CTS surveys were focused on 60 nationally representative communities stratified by region, community size, and whether metropolitan or nonmetropolitan. In addition, the CTS examined 12 of the 60 communities in depth by conducting site visits and using survey samples large enough to draw conclusions about health system change in each community. The 12 communities make up a randomly selected subset of sites that are metropolitan areas with more than 200,000 people (as of July 1992).

For the fifth round of the household and physician surveys the community-based design was replaced by a national sample design, although site visits continue to focus on the 12 communities (seven rounds of site visits have been completed, with the most recent occurring in 2010). To reflect the change from a community-based to a national sample, the fifth and sixth rounds of the Household Survey are referred to as the Health Tracking Household Surveys.

1.2. THE HOUSEHOLD SURVEYS

The 2010 Household Survey represents the sixth in a series of nationally representative surveys funded by the Robert Wood Johnson Foundation and conducted under the direction of HSC. The four prior surveys were conducted in 1996-97, 1998-99, 2000-01, 2003 and 2007. Mathematica Policy Research, Inc. (MPR) was the primary contractor for survey designs, instrument development, sample designs and implementation, most of the interviewing, weighting, and variance estimation. Social and Scientific Systems, Inc. (SSS) was instrumental in converting the raw survey data into a data file suitable for analysis. HSC, SSS, and MPR collaborated to prepare the documentation for the HTHS Restricted Use File.

The Household Survey instruments covered a wide variety of topics, including health insurance coverage, access to care, use of health services, health status, experiences with the delivery of health care, consumer engagement, use of healthcare information, and demographic information. A family informant provided information on insurance coverage, health care use, usual source of care, and general health status of all family members. This informant also provided information on family income as well as employment, earnings, employer-offered insurance plans, and race/ethnicity for all adult family members. Each adult in the family (including the informant) responded through a self-response module (SRM) to questions regarding unmet needs, his or her usual source of care, assessments of the quality of care, consumer engagement, satisfaction with physician choice, use of health information, physician choice, and detailed health questions. The SRM included mostly subjective questions that could not be answered reliably by proxy respondents. The family informant responded on behalf of children regarding unmet needs, usual source of care, satisfaction with physician choice, and use of healthcare information.¹ A Spanish version of the instrument was used when appropriate. The survey instruments used in each round of the Household Survey have included similar but not identical questions. Chapter 2 contains more detailed information on the changes made between 2007 and 2010.

Interviews for 16,671 individuals from 9,165 family insurance units (FIUs) were completed between April 2010 and March 2011.²

¹ In families with more than one child under age 18, one child was randomly selected for inclusion in the survey.

² The family insurance unit (FIU) is based on groupings of people typically used by insurance carriers. It includes an adult household member, spouse, and dependent children up to age 18 (or age 18-22 if the child is in school). A more detailed definition of the FIU is presented in Chapter 2.

1.3. CHANGES IN SAMPLE DESIGN FOR THE ROUND SIX HOUSEHOLD SURVEY

Several changes were made to the sample design of the sixth round of the Household Survey. This section summarizes these changes. A more detailed description of the sample design changes and methodology for Round Six can be found in the 2010 Household Survey Methodology Report (Strouse et al, 2012), also available on the HSC website, (www.hschange.org).

The first three rounds of the Household Survey were administered to households in the 60 CTS communities, which were designed to be nationally representative, and to an independent national sample of households, referred to as the “national supplement.” The purpose of the supplemental sample was to increase the precision of national estimates. The national supplement was dropped for round four after analyses indicated that dropping the supplement would not reduce the range of analytic questions that the survey could address. Each of the first three rounds of the Household Survey included about 60,000 people in 33,000 FIUs; round four consisted of 46,587 people in 25,419 FIUs.

For rounds two through four, part of the sample was selected from telephone numbers included in the prior round (overlap sample) and part from telephone numbers selected for the first time (new sample). The purpose of the overlap sample was to increase the precision of estimates of change between rounds, increase response rates, and reduce data collection costs. In addition, a small field sample was included to represent households with no or intermittent landline telephone access. For the first four rounds of the survey, domestic partners (same-sex partners or unmarried partners) formed separate FIUs.

For round five, HSC replaced the 60-site community-based design with a design to produce only national estimates, which allowed for substantial reductions in sample size due to the elimination of clustering at the site level. Overall, 17,797 people in 9,407 FIUs were interviewed in round five. In addition, the overlap sample was dropped in the absence of the community samples from the prior round; the field component was deleted to reduce cost, and unmarried *domestic* partners were included in the same FIU.

The round six survey preserved the national-only sample frame introduced in round five. Moreover, it incorporated a cellular phone sampling frame in addition to the usual landline frame. More information about the new sampling procedure can be found in the *Health Tracking Household Survey Methodology Report, 2010*, (Technical Document No. 82). Overall, 16,671 people in 9,165 FIUs were interviewed in round six.

1.4. THE HOUSEHOLD SURVEY RESTRICTED USE AND PUBLIC USE FILES

Two versions of the Health Tracking Household Survey data are available to researchers: the Restricted Use File and the Public Use File. The *Restricted Use File* may only be used under the conditions listed in the *Health Tracking Household Survey Restricted Use Data Agreement*. This agreement provides details on ownership of the data, when the data may be accessed and by whom, how the data may be used and reported, the data security procedures that must be implemented, and the sanctions that will be imposed in the case of data misuse. Researchers must specifically apply to the Inter-university Consortium for Political and Social Research

(ICPSR) for use of the Restricted Use File. Copies of the agreement and a description of the application process are available from the ICPSR web site at www.icpsr.umich.edu.

The Restricted Use File is provided to researchers for use on only a specific research project (new applications would be required for subsequent analyses) and for a limited time, after which all copies of the data must be destroyed. Moreover, researchers using the Restricted Use File may be required to undertake costly or inconvenient security measures.

The Public Use File is also available from ICPSR. Researchers need not specifically apply for use of the Public Use File. It is suitable for most researchers who wish to perform analysis at the national level. The Public Use File does not contain any county information. The Public Use File contains observations on the same individuals and families as the Restricted Use File.

The Public Use and Restricted Use versions differ in the amount of geographic detail provided and the confidentiality masking applied to some variables. The Restricted Use File contains state and county-level identifiers for each observation, while the Public Use File contains only region and metropolitan area identifiers. In addition, there are a number of analytic variables that are available only on the Restricted Use File, including adult chronic conditions and U.S. citizenship. See Appendix B for a complete list of variables on the public and restricted versions of the data file.

CHAPTER 2

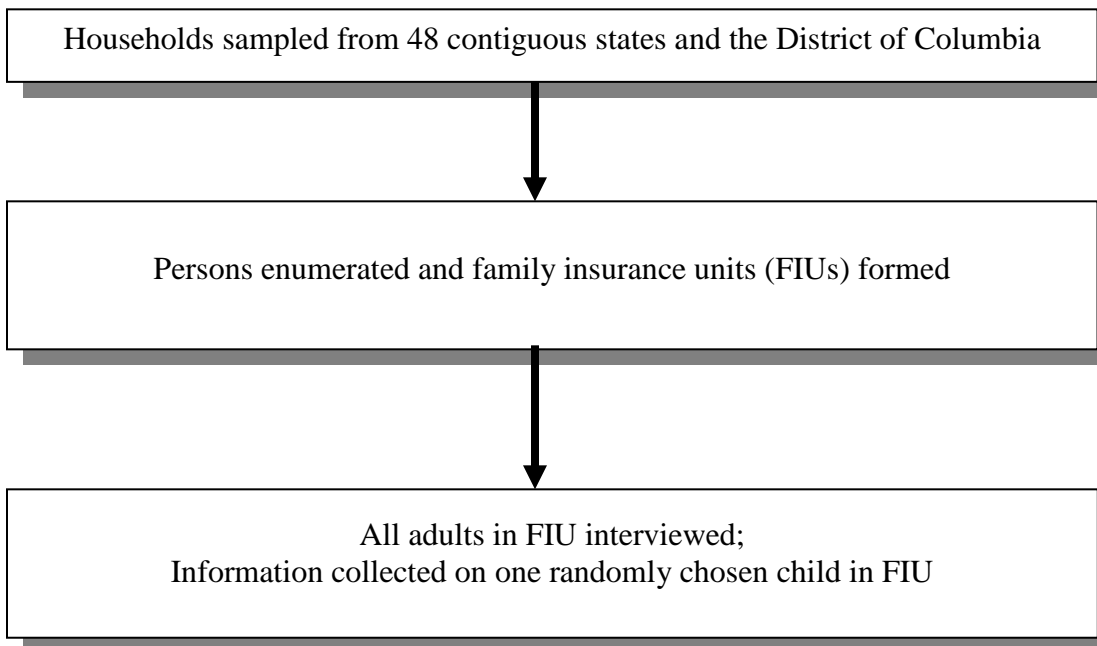
THE STRUCTURE AND CONTENT OF THE 2010 HEALTH TRACKING HOUSEHOLD SURVEY

There were several steps involved in conducting the 2010 Household Survey, as shown in Figure 2.1. This chapter describes those steps and also includes information on the survey questions and final sample counts.

Households were randomly selected from the 48 states in the continental United States and the District of Columbia. This national sample essentially uses simple random sampling techniques.

FIGURE 2.1

OVERVIEW OF 2010 HOUSEHOLD SURVEY PROCEDURES



2.1. CONDUCTING THE HOUSEHOLD SURVEY

The 2010 Household Survey used a sample that was derived by randomly selecting households using Random Digit Dialing techniques. The 2010 survey introduced a sample of cellular phone numbers for the first time, to account for the growing proportion of households in the U.S. that are only reachable by cell phone.³ More information about the cell sample can be found in the *Health Tracking Household Survey Methodology Report, 2010* (Technical Document 82). For both the landline and cell phone samples, procedures for contacting sampled households and conducting the survey were largely the same. Once we contacted the selected households, we determined the composition of each household, grouped household members into family insurance units (FIUs), and obtained information on each adult in each FIU. If an FIU contained one child, we collected information about him or her. If an FIU contained two or more children, we collected information about one randomly selected child. The interview process is described below.

2.1.1. Households

At the beginning of the interview, a household informant was identified (typically the person who answered the phone, if it was an adult) and queried about the composition of the household.⁴ The person who owned or rented the home was identified as the head of the household, or the householder. People who usually live in the household but who were temporarily living elsewhere, including college students, were included in the household. Note that not all household members are included on the data file (see Section 2.1.4.).

2.1.2. Family Insurance Units

Individuals in the household were grouped into family insurance units (FIUs).⁵ An FIU reflects family groupings typically used by insurance carriers, which differ from groupings defined by the Bureau of the Census.⁶ An FIU is also similar to the filing unit used by Medicaid and state-subsidized insurance programs. The FIU includes an adult household member, his or her spouse, if any, and any dependent children 0-17 years of age or 18-22 years of age if a full-time student (even if living outside the household). In the first four rounds of the Household Survey, domestic partners (same-sex partners and other unmarried partners) formed separate FIUs. As of round five, domestic partners are put into the same FIU since many health insurance policies now cover them.

³ The percentage of cell-only households was roughly 27 percent in 2010, up from 13.6 percent in 2007. Blumberg, S.J. and Luke, J.V. 2010. "Wireless Substitution: Early Release of Estimates From the National Health Interview Survey, January – June 2010." National Center for Health Statistics, December 2010. Retrieved from <http://www.cdc.gov/nchs/nhis.htm>

⁴Note that the household informant was identified only for the purpose of obtaining information to be used in identifying family insurance units. The household informant is not identified on the data file. Designation of the household informant in one survey had no bearing on the designation of the household informant in a subsequent survey.

⁵ FIUs were constructed using information collected in the current survey. The structure of the FIUs in the previous survey, if available, had no bearing on the FIUs in the current survey.

⁶The Census Bureau's definition of a family includes all people related to the head of the household either by blood or marriage; it is often larger than an FIU.

All FIUs were selected to participate in the remainder of the interview as long as there was at least one civilian adult in the unit.⁷ In each FIU, one informant was responsible for providing the bulk of the information about the family and its members. Figure 2.2 shows how one household of seven people could be divided into three FIUs. In this example, the head's spouse is the household informant because he/she answered the telephone and is familiar with the composition of the household. Because he/she is also familiar with the health care of his/her family members, he/she is also the informant for the first FIU (F1). The head's father is the informant for family unit two (F2), and the unrelated boarder responds for him- or herself (F3). The head's daughter is the randomly selected child in F1, and the head's son is not in the survey.⁸

FIGURE 2.2

EXAMPLE OF FIUs IN A HYPOTHETICAL HOUSEHOLD

FIU	Members of Household	Included in Survey	Household Informant	Family Informant
F1	Head of Household	✓		
	Head of Household's Spouse	✓	✓	✓
	Head of Household's Daughter	✓		
	Head of Household's Son			
F2	Head of Household's Father	✓		✓
	Head of Household's Mother	✓		
F3	Unrelated Boarder	✓		✓

2.1.3. Individuals

In addition to providing information about his or her FIU, each family informant was asked questions about his or her own health care situation and experiences. Other civilian adults in the FIU were similarly interviewed. In FIUs containing more than one child, information on one randomly selected child was collected. "Child" was defined as an unmarried individual younger than 18. As stated above, full-time college students (age 18-22), even if they were living away from home at the time of the survey, were listed as household members and were included in their parents' FIU. These students were treated as adults in the survey; that is, they were asked

⁷For the Household Survey, individuals who were not on active military duty at the time of the interview were considered to be civilians.

⁸The distinction between an FIU and a Census family can also be illustrated by Figure 2.2. Family insurance units F1 and F2 together would constitute a Census family unit.

all the questions asked of adults and could not be the randomly selected child. Selection of children in 2010 was random within an FIU.

2.1.4. Individuals Excluded from the File

The computerized survey instrument imposed a maximum of eight persons per household to be included in the survey. All members of responding households were identified by the household informant, but in the rare instance of households exceeding eight persons, the interviewers were instructed to list all adults in the household first and then as many children as possible before reaching the maximum. However, the fact that a household member was enumerated does not necessarily mean that the person ended up on the survey data file. As mentioned, in families with more than one child under age 18, one child was randomly selected for the survey. Any children not selected were left out of the survey but are represented statistically by the children who are in the survey.

Some household members were classified as ineligible and therefore not included on the file. To avoid giving unmarried full-time college students (age 18-22) multiple chances of selection, they were excluded from sampled dwellings in which their parents did not reside. Similarly, unmarried children under age 18 with no parent or guardian in the household were also excluded. Adults on active military duty were also classified as ineligible. Families in which all adults were active duty military personnel were considered ineligible for the survey and were excluded from the survey.

Some of the families listed by, but not including, the household informant did not respond to the interview. Nonresponding families were excluded from the file but are statistically represented by responding families. Adult family members who did not respond to the Self-Response Module were included on the file as long as the core interview contained a large enough set of responses for them.

2.2. HOUSEHOLD SURVEY QUESTIONS

Respondents to the survey were questioned about the following:

- Household composition
- Health insurance coverage
- Use of health services
- Health expenses and bills
- Unmet needs
- Usual source of care
- Satisfaction with health care
- Health status, adult chronic conditions
- Perceptions of care delivery and quality
- Consumerism and health information seeking
- Employment and employer health insurance offerings
- Earnings and family income
- Ethnicity, race, and U.S. citizenship
- Demographic characteristics

Not all questions were asked of all respondents. Table 2.1 shows the topics covered in the survey and who, according to the hypothetical household in Figure 2.2, responded to the questions under each section.

2.2.1. Differences in Survey Content and Data Files Across Rounds

There are a number of changes, as described below, between the 2007 and 2010 Household Survey questionnaires. See the user's guides for the 1998-99 Household Survey for information on the differences between the 1996-97 (Round One) and 1998-99 (Round Two) surveys. Likewise, see the user's guides for the 2000-01 Household Survey for information on the differences between the 1998-99 (Round Two) and 2000-01 (Round Three) surveys. The user's guides for 2003 Household Survey contain information on the differences between the 2000-01 (Round Three) and 2003 (Round 4) surveys. Finally, the 2007 user's guides describe differences between the 2003 (Round 4) and 2007 (Round 5) surveys. You can also refer to Appendix B for a complete list of variables that are available for each year of the public use and restricted use data files.

2.2.1.1. Added Variables

There were a considerable number of questions added to the 2010 Household Survey. The following is a list of the variables that are new for 2010, most of which are a result of the new survey questions.

- Length of time going to usual source of care: USCTIME.
- Time between making appointment and seeing doctor *at usual source of care*: USCWTAPX (*Restricted Use File only*), USCWTAPC (*Public Use File only*), and USCMKAPX⁹
- After hours/weekend access at usual source of care, whether tried to contact usual source of care after hours for an urgent medical need, and difficulty contacting usual source of care after hours: ACCNITE, ACCURGT, ACCDFCT.
- Ability to ask a medical question via e-mail or website at usual source of care, whether e-mailed or asked question via website in past 12 months and whether received an answer: ITAVAIL, ITYRCNT, ITGETANS
- Level of care coordination by usual provider with respect to prescription drugs and medical tests: TAKERX, USCTLKRX, USCTEST, USCGTTST USCFLTST.
- Number of visits to usual source of care in last 12 months: USCNVST.
- Use of computers or handheld devices during office visit: USCITUSE, USCITRST, USCITINF, USCITRX, USCITHLP.
- Additional questions about specialist care—was the usual source of care a specialist, was specialist self-referred: SPECWHO, SPECSRC

⁹ These variables are similar to WTAPPX, WTAPXX and MAKEAPP from previous rounds. In Round 6, these questions were moved and were asked specifically about a respondent's usual source of care, where applicable.

- Attitudes regarding care seeking: DRASAP, DOCAVOID
- Attitudes regarding health insurance: DNHINS, NOTWORTH
- Seek consumer information for own health and for health of another adult: CIHRDCPY, ACIHRDCY.¹⁰
- Impact of information on health behaviors: CITREAT, CIMAIN, CICOPE, CIDCSN, CIASKDR, CI2NDOP, CIEXRCS.
- Frequency of health information seeking online and usefulness of online information: WEBOFTN, WEBUSFL.
- Questions regarding temporary or seasonal employment: EMPTEMP, EMPYEAR.
- Job lock (personal and spouse): XJOBHI, XSPJOBHI.
- Survey sample type (landline vs. cell phone): SAMPLE

2.2.1.2. Dropped Variables

Below is a list of variables that were dropped from the 2010 Household Survey data files. Except for the weights/sampling variables, all the variables were dropped because they were associated with questions that were dropped from the 2010 survey.

- Premium payments, flexible spending accounts and health plan information for employer-sponsored insurance: ESICST1 – 3, ESIPRM1X – 3X, ESIFLX1 – 3, EINFDR1 – 3, EDRCHG1 – 3, EHSPCH1 – 3, EDRQUA1 – 3, and EHSPQU1 – 3.
- Health plan information for nongroup insurance: NINFDR1 – 3, NDRCHG1 – 3, NHSPCH1 – 3, NDRQUA1 – 3 and NHSPQU1 – 3.
- Employer offers multiple health insurance plans: PRVMOR1 – 3.
- Premium payments for Medicaid and state plans: MCDPRMF and STPRMF.
- Information on purchasing a nongroup plan: NGTRY, NGPRBLM, NGPRB3Y, NGPURCH, NGPURMN, NGPURYR and NGNMON.
- Willingness to accept limited choice to save money: MCHOICE.
- Assistance with problems paying medical bills: BP_COVR, BPSCNT, BPFREE, BPPUBL, BPPPLN, BPLOAN and BPREFR.

¹⁰ CIHRDCPY and ACIHRDCY take the place of CIBOOK/CINWSP and ACIBOOK/ACINWSP, respectively. The new variable combines books, magazines and newspapers and asks specifically about these resources in hardcopy format, in order to differentiate them from online versions, which would likely be reported under CIWEB. This change must be taken into account when tracking these variables over time.

- Place providing affordable medical care for the uninsured: AFFRDCR, AFFDTYP (Restricted Use File only), AFFTRAV (Restricted Use File only) and AFFSEEN.
- Difficulty communicating with provider because of language barrier: DIFFLNG.
- Time between making appointment and seeing doctor: WTAPPX (*Restricted Use File only*), WTAPXX (*Public Use File only*), and MAKEAPP (see previous section for new related variables, USCWTAPX, USCWTAPC and USCMKAPX).
- Had a baby or saw a healthcare professional for abnormal uterine bleeding in the past two years: HAVBABY and UTRNBLD.
- Quality of care: CQEXPLN, CQTIME, CQRSPCT, CQDIET, CQEXRCS, CQMNTOR, CQFOLW, and CQSIDE.
- Questions on consumer engagement for chronic condition sample: CCEACTV, CCERESP, CCEKWRX, CCEFOLW, CCEPRDR, CCETDIF, CCEACTN, CCEKNOW, CCEOPTN, CCEPRNT, CCESTYL, CCEPRBM, and CCESTRS.
- Questions on consumer engagement for non-chronic condition sample: NCEACTV, NCERESP, NCEKWRX, NCEFOLW, NCEPRDR, NCETDIF, NCEACTN, NCEKNOW, NCEOPTN, NCEPRNT, NCESTYL, NCEPRBM, and NCESTRS.
- Risk-taking behavior and smoking habits: TAKRISK, SMKEVR and SMKNOW.
- Body mass index: BMIX and BMICAT.
- Use of information technology: ITCNTCT, ITRX, ITAPPN, ITDISC, ITSEE, ITRMNR, ITOTHER and ITALLOW.
- Seek consumer information for own health and for health of another adult: CIBOOK, CINWSP, CITALK, ACIBOOK and ACINWSP. (See previous section for discussion of replacement variables, CIHRDCPY and ACIHRDCY.)
- Hourly wage: WAGERHX.
- Employer offers multiple plans: EMPMULT and OFRMULT.
- Questions about Hispanic origin: ORIGMEX, ORIGPR, ORIGCUB, ORIGDOM, ORIGSAL, ORIGOCA, ORIGOSA, and ORIGOTH (*Restricted Use File only*).
- Birth place of parents and spouse's parents: USPAR and USSPPAR.
- Weight for questions appearing in the self-response module: WTSRM4 (See Section 3.1.1. for more discussion of why this variable was dropped.)

2.2.1.3. Moved Variables

Below is a list of variables that changed location in the survey instrument between the 2007 and 2010 Household Surveys:

- Frequency of internet use: ITWEB, ITOFTN.
- USCMKAPX, USCWTAPX, USCWTAPC – question wording is the same as for WTAPPX, WTAPXX in prior survey rounds. These questions were moved into the usual source of care sequence and are asked specifically in relation to the respondent's usual source of care, where applicable (see "Added Variables above).

2.3. HOUSEHOLD SURVEY ADMINISTRATION AND PROCESSING

The survey was administered by telephone, using computer-assisted telephone interviewing technology. The survey was fielded between April 2010 and March 2011. The total number of completed interviews consisted of 9,165 FIUs and 16,671 individuals. The response rates were 46 and 29 percent, respectively, for the landline and cell phone samples in 2010.

TABLE 2.1
SOURCE OF DATA FOR INDIVIDUALS, BY QUESTION TOPIC
(Illustrative household described in Figure 2.2)

Family Insurance Unit Member	Household Composition (Sec. A)	Insurance Coverage (Sec. B)	Service Use/ Expenses and Bills (Sec. C)	Unmet Needs (Sec. C)	Usual Source of Care/ Affordable Medical Care (Sec. D)	Satisfaction with Health Care (Sec. E)	General Health Status (Sec. E)	Specific Health Status Information (Sec. E)	Perceptions of Care Delivery and Quality (Sec. E)	Consumerism and Health Information Seeking (Sec. E)	Employment/ Earnings/ Employer Plans (Sec. F)	Family Income (Sec. G)	Ethnicity / Race/ Citizenship (Sec. G)
Family Informant	H	F1	F1	F1	F1	F1	F1	F1	F1	F1	F1	F1	F1
Spouse	H	F1	F1	SRM	SRM	SRM	F1 and SRM	SRM	SRM	SRM	F1	F1	F1
Randomly Selected Child	H	F1	F1	F1	F1	F1	F1	F1	Not Asked	F1	Not Asked	F1	Not Asked
Other Children	H	Data not available – Not randomly selected child.											
Family Informant	H	F2	F2	F2	F2	F2	F2	F2	F2	F2	F2	F2	F2
Spouse	H	F2	F2	SRM	SRM	SRM	F2 and SRM	SRM	SRM	SRM	F2	F2	F2
Unrelated Adult	H	F3	F3	F3	F3	F3	F3	F3	F3	F3	F3	F3	F3

Notes:

H	Data provided by the household informant (typically person who answers the telephone, if adult).
Fi	Data provided by family informant for family insurance unit “i”.
SRM	Data provided by the individual adult family member via the Self-Response Module questions.
Fi and SRM	Data on general health status provided by the family informant and each individual adult family member via the Self-Response Module. In constructing the variable GENHLH, the SRM response was used when available. Otherwise, the family informant’s response was used.

CHAPTER 3

USING THE HOUSEHOLD SURVEY RESTRICTED USE FILE

This chapter explains how to choose the appropriate weight variable for national estimates according to the various “analytic scenarios” possible under each unit of analysis.

3.1. CHOOSING A WEIGHT VARIABLE

Weights were constructed to produce national estimates for individuals and FIUs¹¹. Three analysis weights, summarized in Table 3.1, are available in both public and restricted use files for round five. Person-level analyses are discussed in Section 3.1.1 and FIU-level analyses in Section 3.1.2.

3.1.1. Person-Level Analyses

Most researchers will probably use the person, or individual, as the unit of analysis. The Household Survey Restricted Use File is a person-level file, consisting of one data record for each person in the Household Survey sample.

The person-level weight for analyses of the round six survey data is WTPER4. There was no unit nonresponse adjustment needed for the survey interview questions since an FIU informant responded on behalf of all FIU informants. In previous rounds of the survey, a second person-level weight, WTSRM4, was constructed for analyses of the responses to the Self Response Module (SRM) questions. This weight adjusted for complete nonresponse to the SRM and for high levels of missing information from the SRM. The WTSRM4 weight variable was applicable only to persons who, either through proxy or self-response, completed the SRM questionnaire. This weight was discontinued in 2010 because the level of nonresponse to the SRM was relatively low in 2010 (4.7%). Table 3.2 lists the SRM variables. Several variables were moved to the SRM in 2010; these variables are listed in italics.

3.1.2. FIU-Level Analyses

In addition to the individual, the FIU can also be the unit of analysis because the Household Survey collects information *on* the FIU and *about* multiple people in the FIU. On the data file, information that pertains to the family as a whole (for example, family income) is assigned to the records of each member of the family. (Chapter 5 explains how to prepare an FIU-level data file from the person-level Restricted Use File.) WTFAM4 is the family-level weight for making national estimates with round five data.

¹¹ For more details on the definitions and construction of the Household Survey weight variables, refer to the Health Tracking Household Survey Methodology Report, 2010. The report is available as HSC Technical Publication #82 (www.hschange.org).

TABLE 3.1
2010 HOUSEHOLD SURVEY WEIGHTS

LEVEL OF ANALYSIS	NATIONAL ESTIMATE
PERSON	WTPER4
FIU	WTFAM4

TABLE 3.2

SELF RESPONSE VARIABLES

Variable name	Description
Section C: Resource Use During the Last 12 Months	
UNMET	Did not get needed medical care
PUTOFF	Delayed getting needed services
PUTOFR0-PUTOF21	Reasons for delaying or not getting needed services
UMETMDC	Can't afford needed prescription medicines
Section D: Usual Source of Care	
ITWEB	Ever use the internet
ITOFTN	Internet, how often go online
USCARE	Has a usual source of care
USCTYPE	Usual source of care – type of place
USCPAY	Pay full price or discount price at usual source of care
USCTIME	<i>Length of time going to usual source of care</i>
USCMKAPX	<i>Make doctor appointment in last 12 months</i>
USCWTAPX	<i>Appointment lag time, category (Restricted Use File only)</i>
USCWTAPXC	<i>Appointment lag time, category (Public Use File only)</i>
ACCNITE	<i>Night or weekend office hours at usual source of care</i>
ACCURGT	<i>Contacted usual source of care for urgent need after hours</i>
ACCDFCT	<i>Difficult to contact usual source of care after regular hours</i>
ITAVAIL	<i>Able to ask medical question by e-mail or website</i>
ITYRCNT	<i>Asked medical question via e-mail/web in last 12 months</i>
ITGETANS	<i>How often received answer to question as soon as needed</i>
USPROF	Type of provider at usual source of care
USCDTYPE	Usual provider, PCP or specialist
USCSAME	See same provider at usual source of care
TAKERX	<i>Took any prescription medicine during last 12 months</i>
USCTLKRX	<i>Talked with usual provider about all prescription medicines used in the past 12 months</i>
USCNVST	<i>Number of visits to usual source of care during last 12 months</i>
USCTEST	<i>Usual provider sent for test or x-ray in last 12 months</i>
USCGTTST	<i>Got any tests or x-rays that usual provider ordered</i>
USCFLTST	<i>How often did usual source of care follow up test or x-ray in last 12 months</i>
USCITUSE	<i>Usual provider used computer or handheld device during office visit in last 12 months</i>
USCITRST	<i>Usual provider used computer to look up test results or other information</i>
USCITINF	<i>Usual provider used computer to show information</i>
USCITRX	<i>Usual provider used computer to order prescription</i>
USCITHLP	<i>Was use of computer/handheld device useful</i>
Section E: Satisfaction, Health Status, and Perceptions of Health Care Quality	
DRCHOCX	Satisfaction with choice of primary care doctors
SPNEED	Needed a specialist
SPSEEN	Saw a specialist in last 12 months
SPECWHO	<i>Specialist was usual doctor or different specialist</i>

Variable name	Description
<i>SPECSRC</i>	<i>Specialist was referred by usual doctor, another provider or self-referral</i>
SPCHOCX	Satisfaction with choice of specialists
UDRINFO	Usual doctor up-to-date on care from specialist
UDRFOLW	Usual doctor ask about your specialist visit
HEALTH	General health status
DIABET	Diabetes
DIABETX	Saw doctor for diabetes
ARTHR	Arthritis
ARTHRX	Saw doctor for arthritis
ASTHMA	Asthma
ASTHMAX	Saw doctor for asthma
COPD	Chronic obstructive pulmonary disease
COPDX	Saw doctor for chronic obstructive pulmonary disease
HYPTEN	Hypertension
HYPTENX	Saw doctor for hypertension
HRTDIS	Coronary heart disease
HRTDISX	Saw doctor for coronary heart disease
SKNCAN	Skin cancer
SKNCANX	Saw doctor for skin cancer
PRSBGN	Benign prostate disease
PRSBGNX	Saw doctor for benign prostate disease
CANCER	Cancer other than skin cancer
CANCERX	Saw doctor for cancer other than skin cancer
DPRESN	Depression
DPRESNX	Saw doctor for depression
MEDPROB	Any doctor visit for serious medical problem
DIABET1	See one or more than one doctor for diabetes
DIABET2	How well do doctors coordinate your care for diabetes
ARTHR1	See one or more than one doctor for arthritis
ARTHR2	How well do doctors coordinate your care for arthritis
ASTHMA1	See one or more than one doctor for asthma
ASTHMA2	How well do doctors coordinate your care for asthma
COPD1	See one or more than one doctor for COPD
COPD2	How well do doctors coordinate your care for COPD
HYPTEN1	See one or more than one doctor for hypertension
HYPTEN2	How well do doctors coordinate your care for hypertension
HRTDIS1	See one or more than one doctor for coronary heart disease
HRTDIS2	How well do doctors coordinate your care for coronary heart disease
SKNCAN1	See one or more than one doctor for skin cancer
SKNCAN2	How well do doctors coordinate your care for skin cancer
CANCER1	See one or more than one doctor for cancer other than skin cancer
CANCER2	How well do doctors coordinate your care for cancer other than skin cancer
PRSBGN1	See one or more than one doctor for benign prostate disease
PRSBGN2	How well do doctors coordinate your care for benign prostate disease

Variable name	Description
DPRESN1	See one or more than one doctor for depression
DPRESN2	How well do doctors coordinate your care for depression
Section E: Consumer information seeking	
CIWEB	Own health info, internet
CIFRND	Own health info, from friends
CITV	Own health info, from TV or radio
<i>CIHRDCPY</i>	<i>Own health info, from hardcopy newspapers, books or magazines</i>
CIOTHR	Own health info, other than doctor
CIALT	Own health info, from alternative sources
<i>CITREAT</i>	<i>Own health info, help understand how to treat illness</i>
<i>CIMAINT</i>	<i>Own health info, affect approach to health</i>
<i>CICOPE</i>	<i>Own health info, affect chronic condition or pain management</i>
<i>CIDCSN</i>	<i>Own health info, affect decision whether to see a doctor</i>
<i>CIASKDR</i>	<i>Own health info, affect whether asked doctor a question</i>
<i>CI2NDOP</i>	<i>Own health info, affect decision to seek second opinion</i>
<i>CIEXRCS</i>	<i>Own health info, affect approach to diet, exercise, stress management</i>
ACIWEB	Other health info, internet
ACIFRND	Other health info, from friends
ACITV	Other health info, from TV or radio
<i>ACIHRDCY</i>	<i>Other health info, from hardcopy newspapers, books or magazines</i>
ACIOTHR	Other health info, other than doctor
ACIALT	Other health info, from alternative sources
<i>WEBOFTN</i>	<i>How often look online for personal health info in last 12 months</i>
<i>WEBUSFL</i>	<i>How useful was health information found online</i>
Section E: Consumer shopping	
CSDLOOK	Look for new personal doctor
CSDFIND	Find a new personal doctor
CSDREFR	Seek doctor, recommendation
CSDINS	Seek doctor, health insurance plan information
CSDBOOK	Seek doctor, books or newspaper
CSDFRND	Seek doctor, friend or relative
CSDTV	Seek doctor, TV or radio
CSDWEB	Seek doctor, the Internet
CSDSOTH	Seek doctor, other
CSDCMPQ	Seek doctor, source give quality comparison
CSDQUSE	Seek doctor, use quality comparison to choose
CSDCOST	Choose doctor, cost of care
CSDRCMN	Choose doctor, recommendation
CSDREPU	Choose doctor, reputation
CSDWAIT	Choose doctor, wait time for appointments
CSDLOC	Choose doctor, location of practice
CSDNETW	Choose doctor, in health plan network
CSDFOTH	Choose doctor, other
CSSNUM	Specialist, see one or more in last 12 months
CSSWHEN	Specialist, first see more/less than 12 months ago
CSSFIND	Specialist, own doctor refer or find another way

Variable name	Description
CSSCHOI	Specialist, referred to one or given choice
CSSOSRC	Specialist, use sources besides referral
CSSREFR	Seek specialist, other doctor recommend
CSSINS	Seek specialist, health insurance plan information
CSSBOOK	Seek specialist, books or newspaper
CSSFRND	Seek specialist, friend or relative
CSSTV	Seek specialist, TV or radio
CSSWEB	Seek specialist, the Internet
CSSSOTH	Seek specialist, other
CSSCMPQ	Seek specialist, source give quality comparison
CSSQUSE	Seek specialist, use quality comparison to choose
CSSCOST	Choose specialist, cost of care
CSSRCMN	Choose specialist, own doctor recommend
CSSREPU	Choose specialist, reputation
CSSWAIT	Choose specialist, wait time for appointments
CSSLOC	Choose specialist, location of practice
CSSNETW	Choose specialist, in health plan network
CSSFOTH	Choose specialist, other
ANYPROC	Procedure, had any in past 12 months
CSPRLOC	Procedure, at hospital, clinic or office
CSPWHEN	Procedure place, first time more/less than 12 months ago
CSPFIND	Procedure place, doctor refer or find another way
CSPCHOI	Procedure place, referred to one or given choice
CSPOSRC	Procedure place, use sources besides referral
CSPREFR	Seek procedure place, other doctor recommend
CSPINS	Seek procedure place, health insurance plan information
CSPBOOK	Seek procedure place, books or newspaper
CSPFRND	Seek procedure place, friend or relative
CSPTV	Seek procedure place, TV or radio
CSPWEB	Seek procedure place, the Internet
CSPSOTH	Seek procedure place, other
CSPCMPQ	Seek procedure place, source give quality comparison
CSPQUSE	Seek procedure place, use quality comparison to choose
CSPCOST	Choose procedure place, cost of care
CSPREPU	Choose procedure place, reputation
CSPRCMN	Choose procedure place, own doctor recommend
CSPWAIT	Choose procedure place, wait time for appointments
CSPLOC	Choose procedure place, location
CSPNETW	Choose procedure place, in health plan network
CSPFOTH	Choose procedure place, other

3.2 Estimating Changes

Round six data can be treated as an independent sample when estimating changes in an attribute between any two rounds of the Household Survey. The user can use point and variance estimates from round six and any other round and compare them as independent estimates. It is not necessary to combine the data, though that may be the easiest approach.

3.2.1. Samples, Weights, and Variance Estimation When Combining Multiple Years of Data

National estimates based on the 2010 Household Survey require the person-level weight WTPER4 or WTFAM4 for family-level analysis. In addition, there are certain sample design variables that should be used for correct variance estimation, as indicated in Chapter 4. If you are calculating national estimates by combining the 2010 data with other years, you should run all your regression models in the same way that you would for 2010, i.e., using the same weight for making national estimates and sample design variables for all years. The relevant weight and sample design variables for national estimates, from the combined 60 site and supplemental sample, were given identical variable names for rounds one, two, and three.

Calculation of national estimates by combining the 2010 data with the 2003 Household Survey data require the weight WTPER2 for person-level analysis or WTFAM2 for family-level analysis from the 2003 data. This is a result of the change in the sample design for 2003. These weight variables for the 2003 data will have to be renamed to WTPER4 and WTFAM4, respectively, in your combined data set. There is no need to rename the sample design variables when combining 2010 data with data from other years.

CHAPTER 4

DERIVING APPROPRIATE VARIANCE ESTIMATES

Some element of uncertainty is always associated with sample-based estimates of population characteristics because the estimate is not based on the full population. This sampling error is generally measured in terms of the standard error of the estimate, or its sampling variance.¹² Estimates of the standard errors are necessary to construct confidence intervals around estimates and to conduct hypothesis tests.

Like many other large national surveys, the Household Survey sample design employs stratification, clustering, and oversampling to provide the basis for making national estimates.^{13,14} These data therefore require specialized techniques for estimating sampling variances. This chapter discusses the use of specialized statistical software to estimate standard errors that account for the sample design.

4.1. THE LIMITATION OF STANDARD STATISTICAL SOFTWARE

The Household Survey has a national-sample design and design-based sampling variance, meaning the sampling variance estimate is a function of the sampling design and the population parameter being estimated. The round six Household Survey was designed to produce only national estimates.

Departures from a simple random sample design result in a “design effect,” which is defined as the ratio of the sampling variance (*Var*) given the actual survey design to the sampling variance of a hypothetical simple random sample (*SRS*) with the same number of observations. Thus:

$$Deff = \frac{Var(\text{actual design with } n \text{ cases})}{Var(\text{SRS with } n \text{ cases})}$$

¹² The sampling variance, which is the square of the standard error, is a measure of the variation of an estimator attributable to having sampled a portion of the full population of interest using a specific probability-based sampling design. The classic population variance is a measure of the variation among the population, whereas a sampling variance is a measure of the variation of the *estimate* of a population parameter (for example, a population mean or proportion) over repeated samples. While the population variance is a constant, independent of any sampling issues, the sampling variance becomes smaller as the sample size increases. The sampling variance is zero when the full population is observed, as in a census.

¹³ We do not recommend that Household Survey data be used to produce national estimates of age, sex, race, Hispanic ethnicity, or educational level, as these were the variables used in the poststratification adjustments of the weights; therefore, they represent population counts from external sources (the Bureau of the Census) and not the survey itself.

¹⁴ Unlike previous rounds, the 2010 survey did not employ stratification. Telephone numbers were selected with equal probability across census regions and metropolitan status. Despite this change, variables for strata and sampling units within strata—analogueous to those appearing in previous rounds of data—were created to accommodate statistical analyses using multiple rounds of data. Section 4.2 describes these variables, even though they do not represent the round six survey design. Note that variance estimates are unaffected when applying these survey design variables.

A design effect equal to 1.0 indicates that the design did not increase or decrease the sampling variance relative to a simple random sample. A design effect of greater than 1.0 means that the design increased the sampling variance; that is, it caused the estimate to be less precise. The standard error of an estimate can be expressed as the standard error from a simple random sample with the same number of observations, multiplied by the square root of the design effect.

4.2. SPECIFYING THE SAMPLE DESIGN FOR SUDAAN

The Household Survey data file contains a set of fully adjusted sampling weights and information on analysis parameters (that is, stratification and analysis clusters)¹⁵ necessary for estimating the sampling variance for a statistic. When you run one of the specialized software programs, you should specify the appropriate analysis weight (see Chapter 3) as well as the stratification and clustering variables. Table 4.1 provides guidelines for the design variables to specify in SUDAAN statements for different types of estimates. Sample SUDAAN code is included in Appendix C. The design variables to specify in Stata and SAS survey procedures are discussed in Section 4.3.

The following paragraphs explain what is contained in each of the design variables.

The DESIGN statement, found in the first row of Table 4.1, tells the program the nature of the sampling strategy; that is, whether the sample was selected with replacement (where units can be selected more than once) or without replacement; and whether the selection probabilities were equal across all sampling units. Specifying a with-replacement design (DESIGN=WR) implies that with-replacement sampling can be assumed at the first stage of selection. This is used when analyzing round six data alone or rounds five and six combined, reflecting the relatively simpler national-only sampling design used in these rounds. Specifying a without-replacement design and unequal probabilities of selection (DESIGN=UNEQWOR) assumes that the first stage units were selected without replacement and with unequal probabilities. The UNEQWOR specification also assumes equal probabilities of selection at subsequent stages in the sampling process. This command is used when analyzing data including any of rounds one through four, to account for the complex, multi-tier, site-based sampling design.

The NEST statement, found in the second row of Table 4.1, tells the program which variables contain the sampling structure; that is, the stratification and clustering variables. For national estimates using round six data, the first stage sampling stratum variable (PSTRATA) has been set to a constant value. For national estimates, it is also necessary to specify a second-stage sampling stratum variable, SECSTRA, which has 5 values for the four census regions and the nonmetropolitan area.

As stated above, you must also specify the clustering variable(s) in the NEST statement. For national estimates, the first stage PSU variable (PPSU) is specified between the first- and second-stage stratification variables. In rounds five and six, PPSU is set to a value of 1. For national estimates, it is also necessary to specify in the NEST statement a second-stage clustering variable (NFSUX) after the second-stage stratification variable. NFSUX represents the household in rounds five and six.

¹⁵ See note 14.

In order for the program to account for without-replacement design in its variance estimates, two more statements must be specified: the TOTCNT statement and the JOINTPROB statement. Because the national estimates for rounds five and six assume with-replacement sampling, the TOTCNT and JOINTPROB statements are not specified when making estimates for these rounds individually or combined. For the national estimates using combined data including rounds one through four, the TOTCNT statement is specified as: PSTRTOT3 _ZERO_ _MINUS1_ _ZERO_. These last three terms are reserved SUDAAN keywords. The keyword _ZERO_ means either that the corresponding NEST variable (in this case SECSTRA) is a stratification variable or that it is a final level of sampling and therefore has no variance contribution. The keyword _MINUS1_ means that the corresponding NEST variable (in this case NFSUX) should be treated as with-replacement sampling. For such combined national estimates, PSTRTOT3 specifies the variable containing population counts (in this case the number of regions in the sampling stratum) at the first stage of selection.¹⁶

For the national estimates including any of rounds one through four, the JOINTPROB statement is specified as the variables: P1X P2X P3X P4X P5X P6X P7X, which together represent the matrix containing single and joint inclusion probabilities as described above.

In SUDAAN, the default denominator degrees of freedom can be overridden using the DDF option. We recommend that you use this option (setting DDF to 6500) when running significance tests on national estimates. In SUDAAN, the default denominator degrees of freedom is the difference between the number of PSUs and the number of first stage strata, which is appropriate for most surveys.

¹⁶ Note that this is not necessary to use these complex survey design variables when analyzing round six on its own, as previously noted. However, these variables are populated for ease of combining multiple rounds of data.

TABLE 4.1

GUIDELINES FOR SPECIFICATION
OF DESIGN VARIABLES IN SUDAAN
FOR THE 2010 HOUSEHOLD SURVEY

SUDAAN Statements	National Estimates Round 6 only or Rounds 5 and 6 Combined	National Estimates When Combined with Any of Rounds 1-4
DESIGN=	WR	UNEQWOR
NEST	STRATUM NFSUX	PSTRATA PPSU SECSTRA NFSUX
TOTCNT	Not Applicable	PSTRTOT3 _ZERO_ _MINUS1_ _ZERO_
JOINTPROB	Not Applicable	P1X P2X P3X P4X P5X P6X P7X
WEIGHT	WTPER4 WTFAM4	WTPER4 WTFAM4 ¹⁷
DDF=	Not Applicable	6500

¹⁷ Note that variables WTPER4 and WTFAM4 do not appear in the round 4 (2003) data. Instead, these variables are named WTPER2 and WTFAM2. When combining round four with other survey years, it is therefore necessary to rename these weights to WTPER4 and WTFAM4.

4.3. USE OF OTHER STATISTICAL SOFTWARE BESIDES SUDAAN

SUDAAN is currently the commonly used statistical software package that can produce variance estimates correctly for national estimates in the 2010 Household Survey. Nevertheless, there still may be situations where researchers would like to use other software packages besides SUDAAN. For example, some people might not have access to SUDAAN or might be interested in statistical procedures that are not available in SUDAAN.

Beginning with version 10 of Stata, additional survey design options have become available. This includes two-stage and without-replacement design, which will more closely approximate the design of national estimates for rounds 1 through 4. However, the implementation of the first stage without replacement design is different from the implementation in SUDAAN. SUDAAN uses the Yates-Grundy-Sen formula that requires selection probabilities for all PSUs within each stratum, called the joint probabilities. Stata uses a single finite population correction factor for each PSU. Consequently, while it is possible to at least come close to matching the variance estimates from SUDAAN, the exact details have not been explored and are left to the user to determine.

In general, the first (primary) stage strata are PSTRATA and the sampling units are PPSU. Second stage strata are SECSTRA and the sampling units are NFSUX. The finite population correction factor for the first stage units is PSTRTOT3. The second stage should be treated as with replacement.

Stata version 10 also has additional options for handling certainty strata, that is strata with a single PSU. See the options for *singleunit* for the available options. Several strata have a single PSU in round 1 through 4. This is by design, as certain cities are the only one in their stratum. The certainty option is the most anti-conservative, as these will not contribute to the variance.

The round six data can be fully estimated using any version of Stata that has survey design capabilities. Furthermore, round six data does not have overlap with data from any previous rounds and can be treated as an independent sample when doing change estimates.

4.3.1. Obtaining and Using Sampling Parameters for Other Software Packages

Sampling parameters for use with Stata and SAS are provided on the Household Survey public use and restricted use data files for 2010. Table 4.3 shows which parameters should be used for which types of estimates, and Appendix D provides specific examples of how those parameters are used in Stata and SAS. These sampling parameters were constructed directly from the SUDAAN parameters that are described in Section 4.2.

TABLE 4.2

SUMMARY OF SOFTWARE VARIANCE ESTIMATION CAPABILITIES
FOR THE 2010 HOUSEHOLD SURVEY

Estimates with 2010 Household Survey	Optimal sampling assumption	Analysis population	Ability to produce correct variance estimates for the Household Survey		
			SUDAAN	STATA version 10	SAS special procedures for the analysis of complex survey data ^a
National estimates Round 6 only or Rounds 5 and 6 only	WR	Full population	yes	yes	yes
National estimates Combined rounds (when including any of rounds 1-4)	WOR	Full population	yes	yes ^b (with caution)	no, but acceptable ^c (with caution)

WR = with replacement
WOR = without replacement

^a This column also applies to other statistical software packages that use Taylor series linearization procedures for variance estimation and can accommodate WR sample selection but have no or limited ability to accommodate WOR sample selection.

^b Stata uses a single finite population correction factor for each PSU. The exact details have not been explored and are left to the user to determine.

^c Previous research has determined that the variance estimates from Stata (version 8) and SAS are “conservative” in that they decrease the likelihood of finding a result to be statistically significant. The report, Schaefer et al. (2003), is available from the HSC web site (www.hschange.org). Researchers should note that whether a particular estimate is being overstated or understated by Stata and SAS (relative to SUDAAN) cannot be known with certainty without specifically calculating that estimate under the two sampling assumptions (WR and WOR).

TABLE 4.3

GUIDELINES FOR SPECIFICATION
OF DESIGN VARIABLES IN STATA AND SAS
FOR THE 2010 HOUSEHOLD SURVEY

Stata Statements	SAS Statements	National Estimates
strata	stratum	STRATAWR
psu	cluster	PSUWRX
pweight	weight	WTPER4 WTFAM4

CHAPTER 5

VARIABLE CONSTRUCTION AND EDITING

The HTHS Restricted Use File contains three types of variables: unedited variables, edited variables, and constructed variables created from edited or unedited variables.¹⁸ This chapter provides a general description of the types of constructed and edited variables in the file as well as additional details on selected variables. The chapter also explains how to manipulate the person-level file to construct analytical variables at other levels, such as the family level.

The information in this chapter supplements the information provided in the “Description” and “Universe” fields of the file’s codebook. Users are encouraged to review this information along with the information provided in Appendix A of this manual for a better understanding of the questionnaire structure, skip patterns, and other characteristics of the variables reported on the file.

5.1. EDITED VARIABLES

The Household Survey data were collected via computer-assisted telephone interviewing (CATI). The CATI editing functions included consistency checks and editing of some skip patterns and outlier values. This section describes the editing that followed the Household Survey CATI data collection, which included logical editing, imputation of missing values, and editing for confidentiality. Verbatim text responses were also reviewed and edited.

5.1.1. Logical Editing

Logical editing was performed to resolve inconsistencies among related variables and skip patterns. For example, question c221(ERUSENX), pertaining to number of emergency room visits without hospital admission, was not asked if a person had not gone to a hospital emergency room. If the survey respondent had not gone to a hospital emergency room, the value for ERUSENX was changed from missing to “0” to indicate that the respondent did not have any emergency room visits. In another example, employment-related questions like f101(HAVEBUS, did the respondent have a business) and f111(WRKPAY, did the respondent work for pay), should have been asked only of respondents age 18 or over. If this information was included for individuals under 18, the responses were changed to “logical skip.” Logical editing also included review and resolution of outlier values by recoding either to an appropriate valid value or to a value of “-9 Not Ascertained.”

¹⁸In general, unedited variables are those which contain the original response to a single questionnaire item.

5.1.2. Imputation of Missing Values

Missing values for selected variables were imputed using unweighted and weighted sequential hot-deck imputation.¹⁹ In addition, some variables, such as race and ethnicity, had at least some missing responses filled in by using the race and ethnicity of other family or household members. Variables were selected for imputation according to their level of missing data and analytic importance. Table 5.1 lists the variables selected for imputation.

An imputation flag is included for most variables with imputed values. A value of “1 Yes” for the imputation flag indicates that the value of the corresponding variable was imputed. The imputation flags for the following variables have not been provided on the file for confidentiality reasons:

- Total number of hospital stays (HSPSTYN)
- Total number of hospital stays admitted through the emergency room (HSPERX)
- Total number of nights in the hospital (HSPNITX)
- Total number of visits to doctor (DRVISNX) and to other medical providers (MPVISNX)
- Total number of visits to the emergency room (ERUSENX)
- Income (FAMINCX)
- Race and ethnicity (HISPAN, RACNEWX, and RACETHX)
- U.S. citizenship (CITIZEN) *[Available only on the Restricted Use File.]*

Between 0.001 percent and 3.4 percent of the values for these variables were imputed, except for FAMINCX, for which 22.1 percent of the values were imputed, and CITIZEN, for which 15.8 percent of the values were imputed.

¹⁹In sequential hot-deck imputation, persons with missing values, or “recipients,” are linked to persons with available values, or “donors,” to fill in the missing data. The donors and recipients are first grouped into strata and then sorted within each stratum using classification/sort variables such as age, gender, and education. The number of strata is limited by a minimum donor to recipient ratio that must be satisfied within each stratum. Donors are then sequentially linked to recipients based on their proximity within the stratum as determined by the sort variables. In weighted hot-decking, donor and recipient weights are used to help determine the assignment of donors to recipients so that means and proportions calculated using the imputed data will equal means and proportions obtained using only donor data.

TABLE 5.1
VARIABLES SELECTED FOR IMPUTATION

Description	Variable Name
Section A:	
Education	HIGRADX
Section B:	
Characteristics of private health insurance plans (imputation performed at the plan level)	PRVHMO1, PRVHMO2, PRVHMO3
Medicaid and state insurance plans (imputation performed at the plan level)	MCDHMO, STHMO
Section C:	
Hospital use	HSPSTYN, HSPERX, HSPNITX
Emergency room visits	ERUSENX
Doctor and other medical practitioner visits	DRVISNX, MPVISNX
Section E:	
General health condition	GENHLH
Section F:	
Hours worked	HRSWKX
Type of employer	EMPTYPX
Firm size	FIRMSZX
Whether employer offers insurance, whether person is eligible	EMPOFER, ELIGIB, OFFERED
Section G:	
Family income	FAMINCX
Race and ethnicity	HISPAN, RACNEWX, RACETHX
U.S. citizenship	CITIZEN <i>[available only on Restricted Use File]</i>

5.1.3. Editing for Confidentiality

Data in the Restricted Use File have been manipulated or edited to ensure the confidentiality of survey respondents while maximizing the scope of data released to the user. This type of editing consisted of such steps as excluding variables and constructing new variables based on the original ones. All cases of editing for confidentiality are described in the file's codebook either in the "Format" field (which indicates the top- and/or bottom code values) or the "Description" field. Variables subjected to confidentiality editing have been assigned names ending with "X." However, not all variables ending with "X" are masked.

5.1.3.1. Variable Exclusion

In constructing this data set, we were careful to remove direct identifiers such as names and addresses.

5.1.3.2. Masking of Minimum and Maximum Values

Extreme and relatively rare cases that fell at the top or bottom of a distribution were recoded to a lower/higher value, referred to as "top-" or "bottom-coding." For example, the variable corresponding to question grd1 (HIGRADX, highest grade completed) reflects the use of both top- and bottom-coding. Reported values greater than 18 have been combined into a single category, "19: (top code)." Values less than 7 have been combined into another category, "6: (bottom code)."

5.1.3.3. Constructing New Variables for Confidentiality

When survey questions identified relatively rare populations, a new variable was constructed, combining the separate small groups into a smaller number of larger groups. For example, the variables FOTHPUB and OTHPUBX, which indicate coverage by either a state insurance plan or the Indian Health Service, were constructed by combining the responses to two questions, b1g (Indian Health Service) and b1h (state insurance). Similarly, the variable UNINPLX, which corresponds to a single question, b81, was constructed by combining the categories of Medicaid, state, and military coverage into a single category (2 Medicaid/state/military).

5.1.4. Editing Verbatim Responses

For several questionnaire items, interviewers and/or respondents were allowed to provide "other" verbatim responses when none of the existing response categories seemed to apply. These verbatim responses are excluded from the Restricted Use File. They were reviewed and coded into an appropriate existing or new categorical value. For example, for question b84 (reason uninsured), additional categories were created to describe some of the verbatim responses to that question. For insurance plan information, multiple variables may have been recoded on the basis of verbatim response information. For example, if the name of a private insurance plan was reported as "Virginia Medicaid," then the corresponding private insurance variables were set to "-1 Inapplicable," and the corresponding Medicaid variables were coded appropriately.

5.2. CONSTRUCTED VARIABLES

In addition to variables that were constructed for confidentiality reasons (see Section 5.1), constructed variables include the following:

- Household Survey administration variables, such as identifiers, counters, and family/household composition variables
- Weights and other sampling variables
- Other variables constructed for analytical value. These range from relatively straightforward variables that combine one or more original question items for the convenience of analysts (for example, the lag time associated with making a doctor appointment, which was converted from various time units to days) to more complex variables such as hierarchical ones describing current and previous insurance coverage.

Constructed variables are indicated in the file's codebook by a value of "N/A" in the "Question" field. Information on how they were constructed appears in the "Description" field.

5.3. IDENTIFICATION, COUNTER, AND SITE VARIABLES

Not all variables on the Restricted Use File were obtained directly from survey respondents via the Household Survey CATI questions. Additional variables include identifiers (person, family, household, and other identifiers), household composition variables, geographic indicators, and other survey administration variables.

5.3.1. Identification Variables

The identifier and related flag variables are described in Table 5.2. Table 5.3 shows persons in a hypothetical household to illustrate the relationship between the identifier and flag variables on the Restricted Use File. In this example, the head of household's spouse is the family informant for the first FIU, the head of household's father is the family informant for the second FIU, and the unrelated boarder is the informant for the third FIU, of which he/she is the only member.

5.3.2. Counter Variables

Counter variables are included in the file to make it easier to understand the file structure and sample population. The variable NSFAM indicates the total number of eligible responding FIUs in the household—in other words, the number of unique values of CSIDX that share the record's HHIDX. NSPER indicates the total number of eligible/selected responding persons in the record's FIU (unique values of PERSIDX on the file for the CSIDX identified on that record). Likewise, the variables NADULT and NAGE65 indicate, respectively, the total number of eligible responding adults and the total number of eligible responding persons age 65 or over in the family.

Additional counter variables provide information on all persons, including non-respondents and ineligible, in responding households. These variables – NFAM, NPERX and NKID – indicate the total number of families within the household, persons within the family, and children within the family, respectively, for responding households. The difference between NSPER and NPERX, for example, is that the latter includes nonrespondents, nonselected children (including children with no parent or guardian in the household), and full-time military personnel, who are not included on the file and therefore not reflected in the value for NSPER.

5.3.3. State and Census Region Variables

The 2010 Household Survey Restricted Use File contains the variable STABBR for state identification and REGION for identifying the U.S. Census Bureau regions.

TABLE 5.2

ADDITIONAL INFORMATION ON IDENTIFICATION VARIABLES

Variable	Additional Information
HHIDX	HHIDX is the 7-digit identifier for the household. There are 7,596 unique values of HHIDX on the file. Values for HHIDX are randomly assigned.
CSIDX	CSIDX is the 8-digit identifier for the family insurance unit, or FIU. The first 7 digits of CSIDX are equal to HHIDX. There are 9,165 unique values of CSIDX on the file.
PID	PID is the 1-digit number assigned to each person within the household. Its values range from 1 to 8.
PERSIDX	PERSIDX is the unique 9-digit identifier assigned to each person. There are 16,671 unique values of PERSIDX, which identify the 16,671 records on the file. PERSIDX was constructed by concatenating the variables CSIDX and PID.
KIDID KIDFLAG	KIDID is the 1-digit person number (PID) of the randomly selected child in each FIU. The variable KIDID is equal to the variable PID on the record corresponding to the randomly selected child. The flag variable KIDFLAG, which indicates the randomly selected child, has a value of 1 on the record of the randomly selected child and a value of 0 for all other persons in the FIU. A person could have been chosen as the randomly selected child if he/she was under age 18 and not married or the head of the household, defined as the person who owns or rents the home.
RESPID RSPFLAG	RESPID is the 1-digit person number (PID) of the informant for each FIU. The variable RESPID is equal to the variable PID on the record corresponding to the family informant. The flag variable RSPFLAG, which indicates the family informant, has a value of 1 on the record of the family informant and a value of 0 for all other persons in the FIU.
CENSID	CENSID is the 1-digit number assigned to each "census-defined" family within a household. The variable was constructed on the basis of the commonly used U.S. Census Bureau definition of a family, which is generally a broader definition than that used to define the CTS FIU. Specifically, a census family includes all people in the household related by blood or marriage. A unique census family on the file is defined by the combination of the variables HHIDX + CENSID. There are 7,764 unique census families (i.e., unique values of HHIDX + CENSID) on the file. <i>Unless otherwise indicated, the term "family" used in this document or in the file's codebook refers to the FIU rather than the census-defined family.</i>

TABLE 5.3

PERSONS IN A HYPOTHETICAL HOUSEHOLD WITH IDENTIFIER AND FLAG VARIABLES

Record Corresponding to Person	Value of Identifier/Flag Variable							
	HHIDX	CSIDX	PID	CENSID	RESPID	RSPFLAG	KIDID	KIDFLAG
FIU # 1								
Head of Household	1000001	10000010	1	1	2	0	3	0
Head of Household's Spouse	1000001	10000010	2	1	2	1	3	0
Head of Household's Daughter: Randomly Selected Child	1000001	10000010	3	1	2	0	3	1
Head of Household's Son: Not Included in Survey	-	-	-	-	-	-	-	-
FIU # 2								
Head of Household's Father	1000001	10000011	5	1	5	1	-1	0
Head of Household's Mother	1000001	10000011	6	1	5	0	-1	0
FIU # 3								
Unrelated Boarder	1000001	10000012	7	2	7	1	-1	0

5.4. FAMILY AS THE UNIT OF ANALYSIS

Survey questions solicited information at the person-, family-, and household-level. Rather than providing a hierarchical file, we have chosen to provide the survey data as a simple, rectangular file with person-level data only. We anticipate little interest in household-level analysis and so do not include household-level weights with the Restricted Use File. However, because some researchers want to conduct analyses at the FIU level, the following section explains how a family-level file can be easily extracted from the person-level file.

5.4.1. Preparing a Family-Level Data File

The variable CSIDX is the eight-digit identifier for the FIU. The first seven digits are equal to the household id (HHIDX), while the last digit is a unique number assigned to each family within the household. There are a total of 9,165 family insurance units on the Restricted Use File.

Table 5.4 displays two hypothetical family insurance units. The first, CSIDX 10000010, contains three persons, a father, a mother, and a randomly selected 14-year-old daughter. The second, CSIDX 10000020, consists of a married couple. Family-level variables in the example include the family identifier (CSIDX), a counter for the number of persons in the family (NPERX), and total family income (FAMINCX). Person-level variables include the person identifier (PID), age (AGEX), general health status (GENHLH), gender (SEX), relationship to the head of household (RELATEX), and an FIU flag variable (FIUFLAG). Note that there are a total of five persons in the first family (NPERX=5), two of which were nonselected children excluded from the Restricted Use File.

TABLE 5.4
TWO HYPOTHETICAL FAMILY INSURANCE UNITS

FIU Member	CSIDX	PID	NPERX	AGEX	GENHLH	FAMINCX	SEX	RELATEX	FIUFLAG
Family Informant	10000010	1	5	43	1	64885	1	0	1
Spouse	10000010	2	5	41	4	64885	2	2	0
Daughter	10000010	3	5	14	5	64885	2	3	0
Family Informant	10000020	1	2	57	2	46500	2	0	1
Spouse	10000020	2	2	56	3	46500	1	1	0

5.4.1.1. Example 1: Creating a Family-Level File

To analyze a family-level characteristic such as total family income (FAMINCX), you would need to select one record from each family or, one unique value of CSIDX. As with all family-level variables, all members of the family are assigned the same value. Thus, the first, the last, or any record of a single family member is suitable to create a subset of records to represent families. The variable FIUFLAG was constructed specifically for this purpose. Selecting records with FIUFLAG=1 will produce a family-level file consisting of the family informants' records.

5.4.1.2. Example 2: Summarizing Person-Level Responses to the Family-Level

An alternate method of producing a family-level file is to summarize person-level responses and produce a single family record. In this example, a variable is produced that counts the number of persons in the family in fair or poor health (FAIRPOOR) by using the general health status variable, GENHLH, which has the following values: 1=Excellent, 2=Very Good, 3=Good, 4=Fair, and 5=Poor. The variable is constructed by 1) reading the person-level Restricted Use File, 2) testing each family member's response to the general health status indicator GENHLH, and 3) keeping one record for the family after processing the last person's record. The family-level file and the FAIRPOOR variable produced from the person records of the two hypothetical families are displayed in Table 5.5.

TABLE 5.5
FAMILY-LEVEL FILE

CSIDX	NPERX	FAMINCX	FIUFLAG	<i>FAIRPOOR</i>
10000010	5	64885	1	2
10000020	2	46500	1	0

5.5. ADDITIONAL DETAILS ON SELECTED SURVEY VARIABLES

Table 5.6, organized by survey and questionnaire section, provides “helpful hints” about variables (singly or in sets), discusses a variable's relationship with other variables, and suggests when to use a specific variable. This information supplements the variable-specific details contained in the file's codebook.

TABLE 5.6

ADDITIONAL INFORMATION ON VARIABLES

Variable	Additional Information
Survey Administration and Section A Variables: Demographic Characteristics and Household Composition	
RELATEX	The variable RELATEX indicates the relationship of the person on this record to the head of the household, for whom RELATEX has a value of 0. The head of the household is defined as the person who owns or rents the home.
Section B Variables: Health Insurance Coverage	
INSTYPE	<p>The variable INSTYPE is a constructed variable that summarizes the person's insurance coverage status as of the interview date. This variable was constructed hierarchically by assigning a person to the first applicable category in the following sequence:</p> <ol style="list-style-type: none"> 1 Medicare 2 Medicare and private 3 Medicare and other public 4 Private, employment-related 5 Private, direct purchase 6 Private, coverage provided by someone outside the family 7 Military insurance (e.g., CHAMPUS, CHAMP-VA, TRICARE, VA, etc.) 8 Medicaid 9 Other public coverage 10 Uninsured <p>Note that all persons with Medicare have INSTYPE = 1, 2 or 3, including those who also have private insurance. Category 1 excludes those who have Medicare and Medigap. Categories 1 and 2 exclude those with Medicare and other public insurance. Category 9, Other public coverage, includes state and Indian Health Service (I.H.S.) programs.</p> <p>Because of its hierarchical structure, INSTYPE understates the number of persons with certain types of insurance. For instance, INSTYPE=8 (Medicaid) includes those who have both Medicaid and other public insurance but does not include those with Medicaid and private insurance. Other insurance indicators on the file can be used to obtain more accurate population estimates of the number of persons with a certain type of insurance; for example, for non-elderly Medicaid population estimates, the variable MCAID should be used rather than INSTYPE.</p>

TABLE 5.6

ADDITIONAL INFORMATION ON VARIABLES
(continued)

Variable	Additional Information
[All variables for private plans]	Each family could report up to three private insurance plans. All verbatim responses for insurance plan names were reviewed, and all related insurance variables were then recoded if necessary. For example, review of some of the verbatim information on the name of the private plan indicated that the plan was actually a public plan (e.g., Medicaid, CHAMPUS, etc.). For these cases, the corresponding public plan variables were recoded as appropriate, and the private plan variables were recoded to “-1 Inapplicable.” The private plans were not renumbered, so some persons may have values of “-1” for the private plan 1 variables but nonmissing values for the private plan 2 variables.
PRVHLD1 – 3	Question b231 is used to identify the policy-holders for the private insurance plans. In the 2010, 2007 and 2003 surveys, the policy-holder can be anyone in the household who is age 18 or older or the householder or householder’s spouse, regardless of age. In previous rounds of the survey, only people who were privately insured and/or age 65 or older could be policy-holders for private insurance plans.
PVPRM1X PVPRM2X PVPRM3X	These variables provide information on health insurance premium costs for private, non-group insurance plans. Strouse, Touzani, and Hall (2004) examine the accuracy of the survey responses and conclude that the information on premium payments for non-group plans (PVPRM1X, PVPRM2X, PVPRM3X) is reliable enough for use in analyses. Previous rounds of the survey included analogous variables for employer-sponsored plans. These were dropped in 2010 because of low reliability of the estimates.
STHMO STHMOP STIN1Y ST12M	Questions b75 and b77 are asked only for families in which someone is not covered by private insurance but is covered by a state plan (question b1h) or other health insurance plan (question b1i1). If anyone has a state plan (b1h), then questions b75 and b77 refer to that plan. Otherwise, questions b75 and b77 refer to the other health insurance plans (b1i1).
PRVHMO1-3 MCDHMO STHMO	A number of variables identify aspects of the respondents’ insurance plans as to whether the private, Medicaid or state insurance plan is an HMO. These variables were imputed at the plan level.

TABLE 5.6

ADDITIONAL INFORMATION ON VARIABLES
(continued)

Variable	Additional Information
UNINR12- UNINR14	The variables UNINR12-UNINR14 were constructed after reviewing the verbatim responses to question b84, for which respondents could specify other reasons why health insurance stopped.
PREINSX	The variable PREINSX was constructed only for currently insured persons whose coverage began within the past 12 months. It indicates the person's coverage just prior to the current coverage. Category 2 includes persons with Medicaid, military and any other public insurance coverage, including state or I.H.S. plans.
PRECOVX	The variable PRECOVX was constructed for all persons and indicates the person's coverage just prior to the current coverage (or the most recent coverage if the person is currently uninsured). Persons were assigned hierarchically to PRECOVX categories. Category 1 includes persons with Medicaid, military and any other public insurance coverage, including state or I.H.S. plans. The category N/A consists of most of the persons in the following two groups: newborns and persons with health insurance from a foreign source.
CHGINS6 CHGINS7	The variables CHGINS6 and CHGINS7 were constructed after reviewing verbatim responses to question b881, in which other reasons for changing insurance plan were reported. Persons answered question b881 only if they responded that they had enrolled in their health plan within the past 12 months. Persons with CHGINS7=1 said they stayed with the same plan but are required to re-enroll annually. For analytic purposes, these persons should not be considered to have undergone an actual change in insurance coverage.

TABLE 5.6

ADDITIONAL INFORMATION ON VARIABLES
(continued)

Variable	Additional Information
Section C Variables: Health Care Resource Use and Unmet Need	
<p>Many of the questions on use of health care resources are reported as continuous variables. In order to protect confidentiality of respondents, all of these continuous variables (except HSPSTYN) were top-coded, collapsing the highest values into a single value. The file's codebook indicates the level at which each variable was top-coded. As described in Section 5.1, many of the imputation flags for the variables on health care resource use have not been provided for confidentiality reasons.</p>	
UNMET PUTOFF PUFOFR1- PUTOF21	<p>Questions c811-c831, describing unmet medical need and reasons (UNMET, PUTOFF, PUFOFR1-PUTOF21), were answered by the family informant and other adults who completed the SRM. For the randomly selected child, these questions were answered by the family informant.</p>
PUTOFR8 – 9 PUTOF10 – 13 PUTOF15 – 19 PUTOF21	<p>The variables PUTOFR8 - PUTOF21 (except PUTOF14 and PUTOF20) were constructed after reviewing the verbatim responses to question c831, for which respondents could specify other reasons for postponing or not receiving medical care.</p>
MEDCSTX BPOWNX	<p>The variable MEDCSTX, constructed from responses to questions c92 and c93, indicates the total out-of-pocket medical costs for the family. The variable BPOWNX, constructed from responses to questions c101_2 and c101a, indicates the total amount currently owed in medical bills for the family.</p>
Section D Variables: Usual Source of Care	
<p>Questions about access to and use of the internet (ITWEB and ITOFTN) were moved to the beginning of Section D because several questions regarding the usual source of care are contingent upon use internet access and use. Many new variables relating to care delivery were included in this section, so as to use the respondent's usual source of care as the point of reference for these questions. Several existing variables were moved into this section and renamed for the same reason (e.g., USCMKAPX, USCWTAPX and USCWTAPX, previously named MAKEAPP, WTAPPX and WTAPXX). See section 2.2.1.1 for more information about these variables (USCTIME through USCITHLP).</p>	
USCARE	<p>USCARE should not be used to estimate changes in the percent of people with a usual source of care between 2010 and prior years of the survey. The percentage of people reporting a usual source of care in 2010 was much lower than in prior years, including 2007 (86 percent in 2007 compared with less than 70 percent in 2010). This decline is much larger than that reported on other surveys, including the National Health Interview Survey. The decrease was not found to reflect changes in the sample design (i.e. the inclusion of a cell phone sample). However, it may be related to changes in the placement of adjacent questions in the 2010 survey, which may have affected the response to the usual source of care questions. While the sample size may be smaller than expected for other questions in Section D that reference the usual source of care, we do not believe that the responses to these questions are seriously biased.</p>

TABLE 5.6

ADDITIONAL INFORMATION ON VARIABLES
(continued)

Variable	Additional Information
Section E Variables: Health Care Satisfaction and Health Status	
CRSAFX	The variable CRSAFX was constructed from questions e101 and e111 and describes satisfaction with health care received during the past 12 months. These two family-level questions were only asked of the family informant and were not included in the SRM.
DRCHOCX SPNEED SPCHOCX	Questions e12-E15_1, describing satisfaction with the choice of primary care doctor and specialist (DRCHOCX, SPNEED and SPCHOCX), were asked of the family informant and other adults who completed the SRM. The family informant answered for the randomly selected child.
GENHLH	The variable GENHLH indicates the person's general health status. Questions e40, e802 and SRM question e40_sr2 were asked for all adults. For the randomly selected child, the question k40 was answered by the adult family member who accompanied the child to the last physician visit or the family informant.

TABLE 5.6

ADDITIONAL INFORMATION ON VARIABLES
(continued)

Variable	Additional Information
Section F Variables: Employment	
Questions in this section were asked of all persons in the household who were 18 years of age or older.	
EMPOFER- INELIGR	Questions f501-f531 (EMPOFER-INELIGR), on insurance offered by employers, were asked only of persons who were employed (excluding self-employed), who were not policyholders of employer/union-based plans, and who were less than 65, even if they did not use the health insurance benefits offered by their employer. All other persons were assigned a value of “-1 Inapplicable.”
ELUNINS4	<p>For the variable ELUNINS4, categories 4-6 were constructed after reviewing the verbatim response to question f521, for which respondents could specify other reasons for not participating in the employer’s health insurance plan.</p> <p>The universe for f521 in the 2010, 2007 and 2003 surveys: Work for government or private employer (f201), not policy holder for employer/union based plan (b231, b251), less than 65 years old, employer or union offers health insurance plan (f501), eligible to participate in own employer’s health insurance plan (f511), and <i>not covered by a plan from any other employer (b1a, b1c)</i>.</p> <p>In previous rounds of the survey, this variable is named ELUNINS and the universe for f521 is: Work for government or private employer (f201), not policy holder for employer/union based plan (b231, b251), less than 65 years old, employer or union offers health insurance plan (f501), eligible to participate in own employer’s health insurance plan (f511), and <i>uninsured</i>.</p>
INELIGR	For the variable INELIGR, categories 11-13 were constructed after reviewing the verbatim response to question f531, for which respondents could specify other reasons why they were ineligible for employer’s health insurance plan.
OFFERED	The constructed variable OFFERED can be used for analyses of employment related insurance for the entire employed population. The variable was constructed using variables from Sections B and F for all persons age 18 and over, including self-employed persons and the working elderly.

TABLE 5.6

ADDITIONAL INFORMATION ON VARIABLES
(continued)

Variable	Additional Information
Section G Variables: Family Income and Race	
FAMINCX CENSINX	There are two income variables on the Restricted Use File. The first, FAMINCX, represents the total income reported for the FIU, which is the entity identified by the variable CSIDX. The second income variable, CENSINX, represents the total income reported for the census family, which is the entity identified by the variables HHIDX + CENSID. For confidentiality reasons, cases with CENSINX values greater than \$150,000 were masked by top-coding to a value of \$150,000. Because values of FAMINCX for these FIUs could be combined to obtain a value of more than \$150,000 and thus violate the confidentiality masking, FAMINCX for these FIUs was assigned a value of “-5.” Both of these income variables may reflect income for person(s) in the FIU who are not represented on the data file.
POVLEV	The variable POVLEV is a constructed variable that indicates the U.S. Census Bureau 2009 family income poverty threshold for the size of the census family on this record (identified by HHIDX + CENSID). A poverty index variable can be constructed as the ratio of the census family income, CENSINX, to the census poverty threshold, POVLEV.
RACNEWX RACETHX	<p>The variable RACNEWX was constructed from the responses to question g22n1. For example, a respondent is coded as “White only” in RACNEWX only if s/he chose the race category “White” and no other race categories for question g22n1. The specific responses within the category “All other” (1,190 people) cannot be provided because of concern for the confidentiality of the survey respondents.</p> <p>The variable RACETHX was constructed from the variables HISPAN (question g201) and RACNEWX. A response of Hispanic ethnicity was coded as RACETHX = 4 Hispanic, i.e., categories 1-3 are all non-Hispanic. For example, a respondent is coded as “White only, nonHispanic” in RACNEWX only if s/he was not Hispanic (according to HISPAN) and chose the race category “White” and no other race categories for question g22n1. The specific responses within the category “All other nonHispanic” (1,100 people) cannot be provided because of concern for the confidentiality of the survey respondents.</p>
Section H Variables: Interview Closing	
Variables in this section reflect information from the interview closing questions, including the household’s telephone availability and service history. Responses to these questions were used to construct the survey weights. Questions about telephone usage were split into two sequences for the 2010 survey, one for households reached via landline and one for households reached via cell phone. This reflects a change in the sampling design to include a cell phone sample. The new variable SAMPLE indicates whether the household was sampled via landline or via cell phone.	
Weights and Sampling Variables	
Weights and sampling variables are described in Chapters 2, 3, and 4.	

CHAPTER 6

FILE DETAILS

This chapter provides an overview of the file content and technical specifications for programmers. It also describes the variable naming and coding conventions that were used on the file and that appear in the file's codebook.

6.1. FILE CONTENT AND TECHNICAL SPECIFICATIONS

The 2010 Health Tracking Household Survey Restricted Use File contains 16,671 person records. The unique record identifier and sort key is the variable PERSIDX. Variables are positioned on the file in the following order:

- Survey administration variables: this group includes identifiers, geographic indicators, and other variables associated with conducting the Household Survey
- Variables from Sections A-H of the Household Survey questionnaire: Variables are ordered within each section by related questionnaire item number
- Weights and sampling variables

The Restricted Use File is provided as an ASCII-formatted file with the following technical specifications:

Data set name:	HTSR6HR1.TXT
Number of observations:	16,671
Number of variables:	464
Logical record length:	1,069

The file contains a two-byte carriage return/line feed at the end of each record. When you are converting to a PC-SAS file, use the LRECL option to specify the record length to avoid the default PC-SAS record length. If the RECFM=V option is used, the LRECL option must be specified as the logical record length (1069). If RECFM=F is used, the LRECL value must be specified as the logical record length plus two (1071). Note that if the RECFM option is omitted, then the default option of RECFM=V will be used, and LRECL must be specified as the logical record length (1069).

The record layout for this file is provided in the file's codebook.

6.2. VARIABLE NAMING CONVENTIONS

In general, a variable name reflects the content of the variable. For the following groups of variables, a naming convention was used to provide additional information on variable content:

- ***Imputation Flags.*** These flags indicate whether a record has an imputed value for the corresponding variable. The flag variable has the same name as the variable it describes, and includes the prefix “_.” For example, _HIGRADX is the imputation flag corresponding to the variable HIGRADX. Refer to Chapter 5 for more information on imputation and other types of editing procedures used on the file.
- ***Private Insurance Plan Variables.*** Each family could report up to three private insurance plans, which are described by a series of variables, PRVHLDi through NGHSAi, which correspond to questions b231-CDHPNG4. The same questions were asked for each of the plans, so there is one set of these variables for each plan, and the variable name suffix “i” has a value of 1-3 indicating the plan number. (See Chapter 5 for information on coding of these variables when fewer than three plans were reported.)
- ***Medicare and Medicaid Coverage Variables.*** These variables, MCRTYPE-MCD12M, correspond to questions b54-b67. All include the string “MCR” and “MCD,” respectively, in the name.
- ***State Insurance Coverage Variables.*** The variables that correspond to questions b75 and b77 (STHMO and ST12M). They both have the variable name prefix “ST” (preceded by “_” on imputation flag variables).
- ***Uninsured Variables.*** The variables that correspond to questions b80-b84 (UNINCOV-UNINR14) all have the prefix “UN” in the name.
- ***Reasons for Not Getting or Postponing Medical Care.*** Variables for question c821 and c831 (PUTOFF, PUTOFFR0-PUTOFF21), which describe the reason(s) for not getting or for postponing medical care, all have the variable name prefix “PUTOF.”
- ***Weights.*** The prefix “WT” is present for all weight variables.
- ***Masked Variables.*** All variables that were masked for confidentiality reasons end with the value “X.” (However, not all variables that end in “X” were masked.) The variable descriptions contained in the file’s codebook indicate whether the variable was masked and provide brief details as to the type of masking performed.

6.3. VARIABLE CODING CONVENTIONS

The following coding conventions are used on the file:

- | | | |
|----|---------------------------------|--|
| -1 | Inapplicable: | Question was not asked due to skip pattern. |
| -5 | Suppressed for Confidentiality: | Value suppressed to preserve confidentiality. |
| -7 | Refused: | Question was asked and respondent refused to answer |
| -8 | Don't Know: | Question was asked and respondent did not know the answer. |
| -9 | Not Ascertained: | Value was not assigned for any other reason. |

Appendix A

The Round 6 Health Tracking Household Survey Instrument

**Health Tracking Household Survey
Round 6**

"For ease of documentation, we have added a suffix of '1' to question numbers asked about the FIU informant, and a suffix of '2' to question numbers asked about additional adults in the FIU (self response module). In the actual CATI program, the question numbers for the FIU informant have no suffix, and the question numbers for the self response module have a suffix equal to the person number of the respondent."

INTRODUCTIONS

FOR THOSE SENT LETTER: REVISED TO REFLECT CHANGE IN FOCUS AND TO INCLUDE ADDITIONAL INFORMATION ON ONE SCREEN.

>paa3< Hello, this is NAME, calling on behalf of the Robert Wood Johnson Foundation. The Foundation is conducting an important national health care study and would like you to participate. We will pay you and every adult member in your family who agrees to answer a short interview \$40 for your time. May I speak to an adult in the household who is knowledgeable about your family's health care?

IF NO: PLEASE ASK TO SPEAK WITH AN ADULT IN THE HOUSEHOLD WHO IS FAMILIAR WITH THE HEALTH CARE OF FAMILY MEMBERS

YES..... 1 [goto code_s1]
==>

CONTENT: The interview includes questions about you and your family's health and your views about the quality and cost of health care.

SPONSOR: The study is sponsored by the Robert Wood Johnson Foundation, a non-profit organization whose sole purpose is to improve health care. It is not associated with any political party or private company. The RWJF website is www.rwjf.org.

LENGTH: For most families the interview averages about 30 to 40 minutes; it is about 15 to 20 minutes for single persons.

CONTACT: If you would like to find out more about the study or the foundation, you can call [Parsa Sajid at [1-800-734-7635].

CONFIDENTIALITY: The survey is confidential and you don't have to answer any questions you don't want to.

SELECTION: Your telephone number was scientifically selected by a computer to represent many others in your community.

TYPE <g> TO CONTINUE ==> [goto code_s1]

FOR SAMPLE NO LETTER: REVISED TO REFLECT CHANGE IN FOCUS AND TO INCLUDE ADDITIONAL INFORMATION ON ONE SCREEN.

>s2<

Hello, this is NAME, with the Health Tracking Household Survey, a nationwide study to understand how changes in health care are affecting people. As a token of appreciation, we'll send you and each adult in your family who participates in the interview \$40. I need to speak with an adult in the household who is familiar with the health care of family members. Would that be you?

IF NO: PLEASE ASK TO SPEAK WITH AN ADULT IN THE HOUSEHOLD WHO IS FAMILIAR WITH THE HEALTH CARE OF FAMILY MEMBERS

YES..... 1 [goto code_s1]

====>

CONTENT: The interview includes questions about your and your family's health and your views about the quality and cost of health care.

SPONSOR: The study is sponsored by the Robert Wood Johnson Foundation, a non-profit organization whose sole purpose is to improve health care. It is not associated with any political party or private company. The RWJF website is www.rwjf.org.

LENGTH: For most families the interview averages about 30 to 40 minutes; it is about 15 to 20 minutes for single persons.

CONTACT: If you would like to find out more about the study or the foundation, you can call [Parsa Sajid] at [1-800-734-7635].

CONFIDENTIALITY: The survey is confidential and you don't have to answer any questions you don't want to.

SELECTION: Your telephone number was scientifically selected by a computer to represent many others in your community.

TYPE <g> TO CONTINUE ====> [goto code_s1]

>code_s1<

CONTINUE WITH INTERVIEW

SPEAKER IS 18 OR OLDER 1 [goto phone_ck]

WILL CALL SOMEONE 18 OR OLDER

TO THE PHONE 2

WANTS MORE INFORMATION..... 3

CALLBACK

NO PERSON 18 OR OLDER HOME NOW 4

CALLBACK 5

PROBLEM

PROBABLE MENTAL IMPAIRMENT 6
LANGUAGE BARRIER 7 [goto lang]
SUPERVISOR REVIEW 8

REFUSAL

HUNG UP DURING INTRODUCTION 9
REFUSAL 10

INELIGIBLE

NO PERSON 18 OR OLDER
IN THE HOUSEHOLD 11
NOT A RESIDENCE (BUSINESS/
NON-RESIDENCE/GROUP QUARTERS/
INSTITUTION/VACATION HOME) 12
ANSWERING SERVICE 13

==>

INSERTED IN EACH INTRO SCREEN TO FACILITATE ACCESS FOR INTERVIEWERS SINCE THEY OFTEN STUMBLE DURING INTROS.

>lang< <1> SPANISH
 ASIAN
 <2> CHINESE
 <3> JAPANESE
 <4> KOREAN
 <5> UNKNOWN ASIAN
 <6> OTHER ASIAN SPECIFY
 EUROPEAN/SLAVIC
 <7> FRENCH
 <8> GERMAN
 <9> ITALIAN
 <10> POLISH
 <11> PORTUGUESE
 <12> RUSSIAN
 <13> UNKNOWN EUROPEAN/SLAVIC
 OTHER
 <14> OTHER LANGUAGE SPECIFY

>phone_ck< Before we start this interview, is [phone number] used for. . .

 home use 1
 business and home use, or 2
 business use only? [ineligible]..... 3

>confcell< Is (Phone Number) a cellular telephone?

PROBE: By cellular telephone, we mean a telephone that is mobile and usable outside of your neighborhood.

INTERVIEWER: PLEASE CONFIRM NEGATIVE RESPONSES TO ENSURE THAT RESPONDENT HAS HEARD AND UNDERSTOOD CORRECTLY.

YES 1
 NO 0

>CELLPHONE< [allow 1][store <1> in CELLPHONE]

>cellstate<

For classification purposes, can you tell me what state you are living in now?

STATE ABBREVIATION: @

[@][allow 2]

>cellintro<

Your safety is important to me. Are you driving in a car, walking down the street, in a public place or other location where talking on the phone might distract you or jeopardize your safety and/or confidentiality?

IF YES: I would like to call you at a more convenient time.
What day and time would be best?

IF NEEDED: If you would prefer that I call you at another telephone number, I can do that too! (INTERVIEWER: SET UP A CALLBACK)

<1> YES [etc <sk cb>]

<0> NO

@

>ri1<

YOU ARE CALLING STATE (TIME)
TELEPHONE NUMBER

May I speak to (READ NAME) please?

APPOINTMENT WAS FOR RESPONDENT

INTERVIEWER NOTE. IF PERSON APPOINTMENT WAS FOR IS NOT AVAILABLE AND THERE ARE ANY OTHER NAMES SAY: I also need to speak to READ NAMES Is he/she available?

	NAME	RELATION	SEX	AGE	FAM	STATUS
<1>	NAME	householder	M/F	AGE	1	Core started
<3>	NAME2	Household Member	M/F	AGE	2	Core ready

SPEAKING TO RESPONDENT - ENTER NUMBER

<n> NO SUCH PERSON AT THIS NUMBER/POSSIBLE WRONG NUMBER

<w> WHO IS CALLING/WHAT'S THIS ABOUT

<c> CALLBACK

<l> LANGUAGE BARRIER

<s> SUPERVISOR REVIEW REQUIRED

<r> REFUSED

>ri3<

My name is _____. I am calling back to interview you for the Health Tracking Household Survey.

IF RESPONDENT NEEDS REVIEW OF STUDY GOALS:

(As you may remember from our last call), our goal is to see how managed care and other health care changes are affecting people in your community. The project is sponsored by a private foundation concerned with health issues. We're not asking for money. Because your participation is very important to our study, we will send you \$40 as a token of appreciation for helping us with the project.

- <1> CONTINUE WITH SURVEY
- <6> LANGUAGE BARRIER
- <7> CALLBACK
- <8> SUPERVISOR REVIEW REQUIRED
- <9> REFUSED

a. DEMOGRAPHICS AND SCREENING

>hhld< What are the first names of the people who live here. Begin with one of the people who owns or pays most of the rent for this home, and then other people in the household. Be sure to include yourself and any students away at college.

INTERVIEWER: 1) IF R. IS RELUCTANT TO GIVE FIRST NAMES: We are asking for first names because the survey includes questions about the health care of family members. The only reason we need first names is so we'll have some way to tell family members apart. If you'd rather not give names, we can take relationships or some other way to tell family members apart.

2) Persons who reside at a vacation residence, in institutions, or in other group quarters (10 or more unrelated persons living together) are not eligible.

- [fill NAME] [HOUSEHOLDER GOES HERE] 1
- [fill NAME] 2
- [fill NAME] 3
- [fill NAME] 4
- [fill NAME] 5
- [fill NAME] 6
- [fill NAME] 7
- [fill NAME] 8

- VACATION HOME, INSTITUTION,
- GROUP QUARTERS [Ineligible] v
- NO OTHER HOUSEHOLD MEMBERS n
- DELETE A HOUSEHOLD MEMBER x
- RESTORE A HOUSEHOLD MEMBER u
- MORE THAN 8 HOUSEHOLD MEMBERS e [goto emo1]
- ====> [goto more]

>more< Have I missed any babies or small children, anyone who usually lives here but is away at present traveling, in school, or in a hospital, or any foster children, lodgers, boarders, and roommates?

IF YES: What are their first names?

IF NO: CODE "n"

ENTER TEXT FOR ADDITIONAL PERSONS, WITH A MAXIMUM OF 8 PER HOUSEHOLD

PROBE IF R. ASKS ABOUT STUDENTS: Include household members less than 23 years old who are away at school or college, regardless of whether they are living in a dorm or off-campus apartment.

[fill NAME] 1
[fill NAME] 2
[fill NAME] 3
[fill NAME] 4
[fill NAME] 5
[fill NAME] 6
[fill NAME] 7
[fill NAME] 8

NO OTHER HOUSEHOLD MEMBERS n
DELETE A HOUSEHOLD MEMBER x
UNDELETE A HOUSEHOLD MEMBER u
MORE THAN 8 `HOUSEHOLD MEMBERS e [goto emo1]
====> [goto bmo1]

FOR ALL SAMPLE:

>emo1< You've told me about eight people that live in this household. Do any other people live in this household?

YES..... 1
NO OTHER PEOPLE IN HOUSEHOLD
..... n
[goto bmo1]
====>

>emo2< How many of those additional people are 18 years old or older?

|__|__|
(0-99)
====>

>em3< How many of those additional people are under 18?

|_|_|
(0-99)
==>

>head< Who owns or pays most of the rent on this house? (READ LIST IF NECESSARY;
ENTER CODE FOR PERSON MENTIONED FIRST).

HEAD? NAME RELATIONSHIP SEX AGE
[fill NAME] 1
[fill NAME] 2

>bmo1< In what month and year was [fill HOUSEHOLDER] born?

INTERVIEWER: (1) REMEMBER THAT THIS IS THE HOUSEHOLDER.

(2) R. IS UNCERTAIN, PROBE FOR BEST ESTIMATE.

(3) IF R. IS RELUCTANT: This information is needed only to understand differences in health care for people in different age groups.

JAN 1
FEB 2
MARCH 3
APRIL 4
MAY 5
JUNE 6
JULY 7
AUG 8
SEPT 9
OCT 10
NOV 11
DEC 12

DON'T KNOW d [goto age1]
==>

>byr1< [no erase]

|_|_| MONTH
(112)

|_|_|_| YEAR
(1880-1984)
==> [goto SEX1]

>age1< What is (his/her/your) age?

INTERVIEWER: (1) REMEMBER THAT THIS IS THE HOUSEHOLDER.

(2) R. IS UNCERTAIN, PROBE FOR BEST ESTIMATE.

(3) IF R. IS RELUCTANT: This information is needed only to understand differences in health care for people in different age groups.

(4) IF R. STILL REFUSES OR DOESN'T KNOW, ASK IF 18 OR OLDER OR UNDER 18 BECAUSE QUESTIONS ARE DIFFERENT FOR ADULTS AND CHILDREN.

|__| |__| |__| YEARS OLD
(16-120)

18 OR OLDER a

LESS THAN 18 c

==>

>SEX1< . . . and is [fill HOUSEHOLDER] male or female?

INTERVIEWER: CODE WITHOUT ASKING IF KNOWN

MALE m

FEMALE f

==>

test: IF age1 ge 16 AND age1 lt 23 goto col1; else goto grd1

>col1< [Is HOUSEHOLDER/are you] a full-time student?

PROBE: The definition of a full-time student should be based on [fill NAME's] school.

YES..... 1

NO 0

DON'T KNOW d

REFUSED r

==>

>grd1<

What is the highest grade or year of school [fill HOUSEHOLDER/you] completed?

PROBE FOR REFUSALS: I understand that these questions may be sensitive. We are asking these questions to help understand differences in health care problems and needs.

INTERVIEWER: CODE NUMBER OF YEARS OF SCHOOL. IF TECHNICAL SCHOOL OR SOME COLLEGE, REPEAT QUESTION AND ENTER WHAT RESPONDENT CONSIDERS HIGHEST GRADE OR YEAR OF SCHOOL. IF R. GIVES DEGREE, CODE AS FOLLOWS:

- 12—HIGH SCHOOL OR GED
- 14—ASSOCIATES DEGREE OR JUNIOR COLLEGE
- 16—BA/BS 17—MA/MS 18—MBA/MPH/MPA
- 19—JD/LAW 20—MD/PHD

|__| |__| GRADE COMPLETED
(0-20)

DON'T KNOW d
 REFUSED r
 ==>

>mil1<

[IF age ge 18 and lt 65] [Is fill HOUSEHOLDER/Are you] on active duty in the military at this time?

YES 1
 NO 0

 DON'T KNOW d
 REFUSED r
 ==>

>bmo2<

In what month and year was [SECOND PERSON'S NAME] born?
IF R. IS UNCERTAIN PROBE FOR BEST ESTIMATE.

PROBE IF R. IS RELUCTANT: This information is needed only to understand differences in health care for people in different age groups.

- JAN..... 1
- FEB..... 2
- MARCH..... 3
- APRIL..... 4
- MAY..... 5
- JUNE..... 6
- JULY..... 7
- AUG..... 8
- SEPT..... 9
- OCT..... 10
- NOV..... 11
- DEC..... 12

DON'T KNOW..... d [goto age2]
==>

>byr2<

[no erase]

|_|_| MONTH..... (1-12)

|_|_|_| YEAR
(1880-2002)..... 1

DON'T KNOW..... d [goto age2]
==> [goto SEX2]

>age2<

What is [SECOND PERSON'S NAME'S] age?

INTERVIEWER:

- (1) CODE "0" IF LESS THAN SIX MONTHS.**
- (2) CODE "1" IF LESS THAN ONE YEAR BUT MORE THAN SIX MONTHS**
- (3) IF RESPONDENT IS UNCERTAIN, PROBE FOR BEST ESTIMATE**
- (4) IF RESPONDENT IS RELUCTANT:** This information is needed only to understand differences in health care for people in different age groups.
- (5) IF R STILL REFUSES OR DOESN'T KNOW, ASK IF 18 OR OLDER OR UNDER 18 BECAUSE QUESTIONS ARE DIFFERENT FOR ADULTS AND CHILDREN.**

|_|_|_| YEARS OLD
(0-120)

18 OR OLDER a
LESS THAN 18 c
==>

>SEX2<

. . . and is [SECOND PERSON'S NAME] male or female?

INTERVIEWER: CODE WITHOUT ASKING IF KNOWN

MALEm
FEMALEf
==>

test:

[if age2 ge 16 and lt 23 goto col2; else goto test grd2]

>col2<

Is [fill NAME] a full-time student?

PROBE: The definition of a full-time student should be based on [fill NAME's] school.

YES..... 1
NO 0

DON'T KNOW d
==>

>test grd2< [if age2 lt 18 goto rel2]

>grd2< What is the highest grade or year of school [fill NAME] completed?

PROBE FOR REFUSALS: I understand that these questions may be sensitive. We are asking these questions to help understand differences in health care problems and needs.

INTERVIEWER: CODE NUMBER OF YEARS OF SCHOOL. IF TECHNICAL SCHOOL OR SOME COLLEGE, REPEAT QUESTION AND ENTER WHAT RESPONDENT CONSIDERS HIGHEST GRADE OR YEAR OF SCHOOL. IF R. GIVES DEGREE, CODE AS FOLLOWS:

- 12—HIGH SCHOOL OR GED
- 14—ASSOCIATES DEGREE OR JUNIOR COLLEGE
- 16—BA/BS 17—MA/MS 18—MBA/MPH/MPA
- 19—JD/LAW 20—MD/PHD

|__| |__| GRADE COMPLETED
(0-20)

DON'T KNOW d
REFUSED r
==>

>mil2< [IF age2 ge 18 and lt 65] Is [fill NAME] on active duty in the military at this time?

YES 1
NO 0

DON'T KNOW d
REFUSED r
==>

>rel2< How is [fill NAME] related to [fill HOUSEHOLDER]?

- HUSBAND 1
 - WIFE 2
 - DOMESTIC PARTNER/SIGNIFICANT OTHER 14
 - OWN SON/DAUGHTER 3
 - ADOPTED SON/DAUGHTER¹ 13
 - STEP SON/DAUGHTER 4
 - GRAND SON/DAUGHTER 5
 - PARENT 6
 - BROTHER/SISTER 7
 - SON/DAUGHTER-IN-LAW 8
 - MOTHER/FATHER-IN-LAW 9
 - OTHER RELATIVE 10
 - FOSTER CHILD 11
 - NON RELATIVE/UNMARRIED PARTNER 12
- ====>

Repeat bmo2-rel2 for each person.

test: [if any person is ≥ 18 and relationship to householder is <7> <8>, <9>, <10> or <12> and at least one person, other than householder or spouse, is ≥ 14 and different sex from (this/these) persons; goto mar2; else goto test after sps2.

>mar2< Is [fill NAME] married to anyone who currently lives here?

INTERVIEWER: CODE "NO" FOR COHABITEE

- YES 1
 - NO 0 [goto next person or next test]
- ====>

¹Adopted child is treated the same as child for all questions, except ethnicity (which is skipped for own child).

>sps2< To whom is [fill NAME] married?

- [fill NAME] 1
 - [fill NAME] 2
 - [fill NAME] 3
 - [fill NAME] 4
 - [fill NAME] 5
 - [fill NAME] 6
 - [fill NAME] 7
 - [fill NAME] 8
- ===>

- tests:**
- (1) Verify that spouses are at least 14 years of age (NOTE: rule was modified to reflect same sex partner relationship).
 - (2) Repeat for each person ge 18 and relationship to householder is <7>, <8>, <9>, <10> or <12>.
 - (3) If any person lt 18 and relationship to householder is not equal to <3>, <4>, <11>, or <13> then goto par2; else goto family formation.

>par2< Is anyone who lives here the parent or guardian of [fill NAME]?

- YES..... 1
 - NO 0 [goto next child or next test]
- ===>

>who2< Who is [fill NAME]'s parent or guardian?

CODE ONLY ONE

INTERVIEWER: IF CHILD HAS TWO PARENTS/GUARDIANS CODE MOTHER OR FEMALE GUARDIAN.

- [fill NAME] 1
 - [fill NAME] 2
 - [fill NAME] 3
 - [fill NAME] 4
 - [fill NAME] 5
 - [fill NAME] 6
 - [fill NAME] 7
 - [fill NAME] 8
- ===>

Repeat for others meeting test before par2.

Form interviewing units using the following rules:²

- (1) If no one other than householder or householder and spouse is 18 and older, then the household consists of one family.
- (2) Assign persons whose relationship to householder is parent, and any children linked to them, to a separate family.
- (3) Assign persons whose relationship to householder is mother/father-in-law, and any children linked to them, to a separate family.
- (4) Assign additional married persons, and any children linked to them, to a separate family.
- (5) If any remaining (unmarried) person's relationship to householder is child or step-child, he or she is 18 to 22, and a full time student, assign that person, and any children linked to that person, to householder's family.
- (6) Assign any remaining, unmarried persons 18 and older who are not full time students (and any children linked to them) to separate family units.
- (7) If householder or householder's spouse is under 18 and not a student, then he or she and his or her spouse and/or children are eligible. The householder and spouse (if under 18) should be treated as adult(s) during the interview.
- (8) Exclude a person as ineligible if:
 - (a) Person is unmarried full-time student, 16-22 years of age, and is not a child or ward of householder.
 - (b) Person is under 18, not a householder, relationship to householder is not equal to spouse or child, and no one in household is parent or guardian.
 - (c) Person is active military; however that person can act as survey informant for family interview, and his or her income should be included in income module.
- (9) Exclude interviewing unit as ineligible if all persons 18 and older assigned to the unit are active military.

²The interviewing unit is defined to reflect an insurance unit, including the household head, spouse, and their dependent children up to but not including age 18, or up to but not including age 23 if they are in school. This definition represents conventional practice in the private insurance market and is similar to the filing unit used by Medicaid and state subsidized insurance programs. The census family (U.S. Bureau of the Census, 1992) sometimes comprises more people than the insurance family. Examples of people typically included in the same census unit, but in different insurance units, are adult children and their families living in the homes of their parents; adult siblings living together; and parents living in the home of their adult children. These persons will form separate interviewing units.

Child Random Selection

If the FIU includes no children <18, go to last_ck; else, if the FIU has one child <18, select that child; else, if the FIU includes >1 child <18, select one child at random.

>last_ck< Before we go any further, let's review the list I have of all of the household members.

INTERVIEWER: REVIEW NAME, RELATIONSHIP TO HOUSEHOLDER, SEX, AND AGE OF ALL HOUSEHOLD MEMBERS WITH RESPONDENT

THE HOUSEHOLD ROSTER CANNOT BE CHANGED AFTER THIS SCREEN

**<n> OK AS IS
<c> CHANGE ROSTER**

>resp< **INTERVIEWER: ENTER THE [r]HIGHLIGHTED[n] NUMBER OF PERSON WITH WHOM YOU'RE SPEAKING (I.E. "BEST RESPONDENT").**

R5 I would like to speak to the person most knowledgeable about your health insurance.

IF RESPONDENT NOT KNOWN ASK: With whom am I speaking?

A PERSON WITH AN * IN FRONT OF THEIR NAME IS NOT ELIGIBLE.

IF YOU ARE TALKING TO A HOUSEHOLD MEMBER WHO IS NOT ELIGIBLE TO BE INTERVIEWED, ASK FOR AN ELIGIBLE HOUSEHOLD MEMBER.

INTERVIEWER: REVIEW NAME, RELATIONSHIP TO HOUSEHOLDER, SEX, AND AGE OF ALL HH MEMBERS WITH RESPONDENT

#	NAME	RELATION	SEX	AGE	FAM	STATUS
	[fill NAME]	[RELATIONSHIP]	[Sex]	[AGE]		1
	[fill NAME]	[RELATIONSHIP]	[Sex]	[AGE]		2
	[fill NAME]	[RELATIONSHIP]	[Sex]	[AGE]		3
	[fill NAME]	[RELATIONSHIP]	[Sex]	[AGE]		4
	[fill NAME]	[RELATIONSHIP]	[Sex]	[AGE]		5
	[fill NAME]	[RELATIONSHIP]	[Sex]	[AGE]		6
	[fill NAME]	[RELATIONSHIP]	[Sex]	[AGE]		7
	[fill NAME]	[RELATIONSHIP]	[Sex]	[AGE]		8

===>

b. HEALTH INSURANCE

>bbeg< INTERVIEWER: YOU SHOULD BE TALKING TO (Householder/Respondent). IF NOT, DO NOT GO PAST THIS POINT -- BACK UP AND CHANGE RESPONDENT.

READ IF NECESSARY: My name is (INTERVIEWER NAME). I am calling about the Health Tracking Household Survey. The purpose of the Health Tracking Household Survey is to see how changes in health care are affecting people.

We would like to conduct the rest of the interview with you. We will be sending you a check for \$40 for helping us with the survey.

INTERVIEWER: YOU SHOULD BE TALKING TO (HOUSEHOLDER/RESPONDENT). IF NOT, DO NOT GO PAST THIS POINT -- BACK UP AND CHANGE RESPONDENT.

HIT ENTER TO CONTINUE

> WhatPhone< Is this number (PHONE NUMBER) the best number to reach you on?

We would also like to interview (READ NAMES). Is this number the best to reach them on?

	NAME	RELATION	SEX	AGE	FAM PHONE	STATUS
<1>	NAME	householder	m/f	AGE 1	PHONE NUMBER	Core started
*<2>	NAME 2	Household Member	m/f	AGE 1	PHONE NUMBER	SR not ready
<3>	SR NAME	Household Member	m/f	AGE 2	PHONE NUMBER	Core ready

ENTER THE NUMBER OF THE PERSON WITH A DIFFERENT PHONE NUMBER OR <n> WHEN DONE.

>b1< Next, I will list several types of health insurance or health coverage obtained through jobs, purchased directly, or from government programs. For each one, please tell me if (you/either of you/any of you) are currently covered by that type of plan.

>b1a< Are READ NAMES covered by a health insurance plan from any current or former employers or unions. [CPS]

IF YES: Who is covered?

INTERVIEWER: DO NOT INCLUDE MILITARY COVERAGE AND DO NOT INCLUDE MEDIGAP OR SUPPLEMENTAL INSURANCE FOR MEDICARE RECIPIENTS.

PROBES:

- (1) Do not include plans that only provide extra cash while in the hospital or plans that pay for only one type of service, such as dental care, vision care, nursing home care, or accidents.
- (2) Include health insurance plans provided by colleges and universities to students. Include COBRA insurance from former employers.

CODE ALL THAT APPLY

[fill NAME] 1
[fill NAME] 2
[fill NAME] 3
[fill NAME] 4
[fill NAME] 5
[fill NAME] 6
[fill NAME] 7
[fill NAME] 8

NONE/NO ONE/NO OTHER RESPONSES n
NEED TO DELETE A RESPONSE x

DON'T KNOW d
REFUSED r

==>

>b1b<

Are READ NAMES covered by a health insurance plan bought on your or their own? [BRFQ]

IF YES: Who is covered?

INTERVIEWER: DO NOT INCLUDE MILITARY COVERAGE AND DO NOT INCLUDE MEDIGAP OR SUPPLEMENTAL INSURANCE FOR MEDICARE RECIPIENTS.

PROBES:

- (1) Include insurance plans purchased through a professional association or trade groups.
- (2) Do not include plans that only provide extra cash while in the hospital or plans that pay for only one type of service, such as dental care, vision care, nursing home care or accident.

CODE ALL THAT APPLY

- [fill NAME] 1
- [fill NAME] 2
- [fill NAME] 3
- [fill NAME] 4
- [fill NAME] 5
- [fill NAME] 6
- [fill NAME] 7
- [fill NAME] 8

NONE/NO ONE/NO OTHER RESPONSES n
 NEED TO DELETE A RESPONSE x

DON'T KNOW d
 REFUSED r

===>

>b1c<

Are READ NAMES covered by a health insurance plan provided by someone who does not live in this household. [CPS]

IF YES: Who is covered?

INTERVIEWER: DO NOT INCLUDE MILITARY COVERAGE AND DO NOT INCLUDE MEDIGAP OR SUPPLEMENTAL INSURANCE FOR MEDICARE RECIPIENTS.

PROBE: Do not include plans that only provide extra cash while in the hospital or plans that pay for only one type of service, such as dental care, vision care, nursing home care or accidents.

CODE ALL THAT APPLY

- [fill NAME] 1
- [fill NAME] 2
- [fill NAME] 3
- [fill NAME] 4
- [fill NAME] 5
- [fill NAME] 6
- [fill NAME] 7
- [fill NAME] 8

NONE/NO ONE/NO OTHER RESPONSES n
 NEED TO DELETE A RESPONSE x

DON'T KNOW d
 REFUSED r

==>

>b1d< Are READ NAMES covered by Medicare, the health insurance plan for people 65 years old and older or persons with certain disabilities. [CPS]

IF YES: Who is covered?

PROBE: Include HMO plans, Medicare Advantage plans, as well as the traditional Medicare plan.

INTERVIEWER: INCLUDE IF COVERED BY PART A OR PART B.

CODE ALL THAT APPLY

[fill NAME] 1
[fill NAME] 2
[fill NAME] 3
[fill NAME] 4
[fill NAME] 5
[fill NAME] 6
[fill NAME] 7
[fill NAME] 8

NONE/NO ONE/NO OTHER RESPONSES n
NEED TO DELETE A RESPONSE x

DON'T KNOW d
REFUSED r

====>

>test bld< **[IF PERSON IS GE 65 AND NOT COVERED BY MEDICARE goto b1d1; ELSE goto ble]**

>b1d1< PERSON AGE 65 AND **NOT** COVERED BY MEDICARE ASK: I noted that [fill NAME] is [fill AGE], but is not covered by Medicare. Is that correct or did I make a mistake?

CORRECT 1
TO CORRECT MEDICARE 2 [:jb b1d]
TO CORRECT AGE 3 [:jb [INSERT AGE FIELD]]

====>

>b1ex< IF STATE ONLY OFFERS MEDICAID: Are READ NAMES covered by Medicaid, the government assistance program that pays for health care?

YES..... 1 [goto b1e]
NO 0

DON'T KNOW d
REFUSED r
===> [goto test b1f1]

>b1ey< IF STATE OFFERS OTHER SUBSIDIZED PROGRAMS AS WELL AS MEDICAID: Are READ NAMES covered by any of the following government assistance programs that help pay for health care: [Medicaid/fill STATE NAME; fill STATE SPECIFIC PLANS, INCLUDING CHIP], IF YES; Which program is that?

CODE ALL THAT APPLY

Medicaid/fill STATE NAME 1 [goto b1e]
fill STATE SPECIFIC PLANS, INCLUDING CHIP
[BLANK IF NO STATE PROGRAM] 2 [goto b1h]

NO ONE COVERED/NO MORE CODES n [goto test b1f1]

SOMEONE COVERED, DON'T KNOW
WHICH PLAN d [goto b1e];
FOLLOW MEDICAID ATTRIBUTE SEQUENCE IF
CAN'T IDENTIFY PROGRAM NAME, fill Medicaid.

REFUSED r [goto test b1f1]
DELETE A CODE x
===>

>b1e<

Are READ NAMES covered by [Medicaid/fill STATE NAME]?

CODE ALL THAT APPLY

[fill NAME] 1
 [fill NAME] 2
 [fill NAME] 3
 [fill NAME] 4
 [fill NAME] 5
 [fill NAME] 6
 [fill NAME] 7
 [fill NAME] 8

NONE/NO ONE/NO OTHER RESPONSES n
 NEED TO DELETE A RESPONSE x

DON'T KNOW d
 REFUSED r
 ==> [goto b1f]

>b1h<
CHIP?

Are READ NAMES covered by fill STATE SPECIFIC PLANS, INCLUDING

CODE ALL THAT APPLY

[fill NAME] 1
 [fill NAME] 2
 [fill NAME] 3
 [fill NAME] 4
 [fill NAME] 5
 [fill NAME] 6
 [fill NAME] 7
 [fill NAME] 8

NONE/NO ONE/NO OTHER RESPONSES n
 NEED TO DELETE A RESPONSE x

DON'T KNOW d
 REFUSED r
 ==>

>b1f< Are READ NAMES covered by TRICARE, VA, CHAMP-VA, or some other military health care. [NHIS]

IF YES: Who is covered?

CODE ALL THAT APPLY

[fill NAME] 1
[fill NAME] 2
[fill NAME] 3
[fill NAME] 4
[fill NAME] 5
[fill NAME] 6
[fill NAME] 7
[fill NAME] 8

NONE/NO ONE/NO OTHER RESPONSES n
NEED TO DELETE A RESPONSE x

DON'T KNOW d
REFUSED r
===>

>test b1f1< [IF b1f = NO ONE, goto b1g; ELSE goto b1f1]

>b1f1< Which plan is that-- TRICARE STANDARD, TRICARE PRIME, TRICARE EXTRA, TRICARE for life, VA, CHAMP-VA, or some other military health plan?

INTERVIEWER: CODE ALL THAT APPLY

TRICARE STANDARD 1
TRICARE PRIME 2
TRICARE EXTRA 3
TRICARE FOR LIFE 4
VA 5
CHAMP-VA 6
OTHER [SPECIFY] 7

DON'T KNOW TYPE d
REFUSED r
===>

PERMITS IHS AND OTHER PLANS TO BE REPORTED.

>b1g< Are READ NAMES covered by the Indian Health Service? IF YES: Who is covered?

CODE ALL THAT APPLY

[fill NAME] 1
[fill NAME] 2
[fill NAME] 3
[fill NAME] 4
[fill NAME] 5
[fill NAME] 6
[fill NAME] 7
[fill NAME] 8

NONE/NO ONE/NO OTHER RESPONSES n
NEED TO DELETE A RESPONSE x

DON'T KNOW d
REFUSED r
===>

>test b1i1< **If all family members covered by some type of health insurance goto test b2, else goto b1i1.**

>bli1< Are READ NAMES covered by a health insurance plan that I have not mentioned. IF YES: What is the name of the plan?

YES [SPECIFY]..... 1
NO 0 [goto test bli]

DON'T KNOW d
REFUSED r
===>

>bli2< Who is covered by [fill NAME SPECIFIED]?

CODE ALL THAT APPLY

- [fill NAME] 1
- [fill NAME] 2
- [fill NAME] 3
- [fill NAME] 4
- [fill NAME] 5
- [fill NAME] 6
- [fill NAME] 7
- [fill NAME] 8

NONE/NO ONE/NO OTHER RESPONSES 0
 NEED TO DELETE A RESPONSE x

DON'T KNOW d
 REFUSED r
 ===>

>test b1j< **[IF A FAMILY MEMBER WAS NOT COVERED UNDER SOME PLAN, goto bij; ELSE goto test b2]**

>bij< **INTERVIEWER:** READ FOR FIRST PERSON ONLY (According to the information we have, [fill NAME] does not have health care coverage of any kind). Does (he/she) have health insurance or coverage through a plan I might have missed?

INTERVIEWER: REVIEW PLANS IF INFORMANT IS UNSURE.

- NO/NOT COVERED BY ANY PLAN 0
- HEALTH INSURANCE PLAN FROM A
CURRENT OR PAST EMPLOYER/
UNION/SCHOOL 1
- A HEALTH INSURANCE PLAN BOUGHT ON
HIS/HER OWN/PROF. ASSN. 2
- A PLAN BOUGHT BY SOMEONE WHO
DOES NOT LIVE IN THIS HOUSEHOLD 3
- MEDICARE 4
- MEDICAID/STATE NAME 5
- CHAMPUS/CHAMP-VA, TRICARE, VA,
OTHER MILITARY 6
- INDIAN HEALTH SERVICE 7
- [fill STATE PLAN] 8
- OTHER PLAN [SPECIFY] 9

DON'T KNOW d
 REFUSED r

===> [goto NEXT UNINSURED PERSON OR goto test b2]

>test b2< **IF AT LEAST ONE FAMILY MEMBER IS PRIVATELY INSURED (b1a, b1b, or b1c ge1) AND IS NOT COVERED BY MEDICARE (b1d) GO TO b2; ELSE, goto Test b401].**

>b2< In how many different health plans (obtained through current or past employers) (is/are) [READ NAMES BELOW WITH * IN FRONT] enrolled?

PROBE: Do not include plans that only provide extra cash while in the hospital or plans that pay for only one type of service, such as dental care, vision care, nursing home care, or accidents.

INTERVIEWER: DO NOT INCLUDE MILITARY COVERAGE AND DO NOT INCLUDE MEDIGAP OR SUPPLEMENTAL INSURANCE FOR MEDICARE RECIPIENTS.

|____| PLANS
(1-3)

0.....0 [go back to b1 and correct]

DON'T KNOW d

REFUSED r

==>

>b231< Health insurance plans are usually obtained in one person's name even if other family members are covered. That person is called the policyholder. [NHIS]

In whose name is this plan?³

INTERVIEWER: CODE NON-SPECIFIED POLICY HOLDER IN "OTHER."

[fill NAME] 1

[fill NAME] 2

[fill NAME] 3

[fill NAME] 4

[fill NAME] 5

[fill NAME] 6

[fill NAME] 7

[fill NAME] 8

OTHER [SPECIFY] 9

DON'T KNOW d

REFUSED r

==>

³The program lists and allows all persons in the household 18 and over, plus the householder and spouse regardless of age, to be named as policyholder.

>test b24< [if b2 gt <1>, goto b241; else goto test b25]. It is unnecessary to ask b241 if the family has only one plan because coverage was obtained in b1a, b1b, or b1c.

>b241< Who is covered by POLICY HOLDER'S NAME plan? NOTE: SINCE WE ARE NOT GETTING PLAN NAMES, I DIFFERENTIATED PLANS BY POLICY HOLDER. THERE ARE ALMOST NO PERSONS WITH MULTIPLE PRIVATE POLICIES UNDER THE SAME POLICY HOLDER.

[READ ASTERISKED NAMES IF NECESSARY.]

CODE ALL THAT APPLY

[fill NAME] 1
[fill NAME] 2
[fill NAME] 3
[fill NAME] 4
[fill NAME] 5
[fill NAME] 6
[fill NAME] 7
[fill NAME] 8

NONE/NO ONE/NO OTHER RESPONSES n
NEED TO DELETE A RESPONSE x

DON'T KNOW d
REFUSED r

==>

>test b25< [if b1b ge <1> or b1c ge <1> goto b251; else store <1> in b251 and goto b291]. This question does not need to be asked if the only private plans are employer-based.

>b251< Was this plan originally obtained through a current or past employer or union?

YES..... 1
NO 0

DON'T KNOW d
REFUSED r

==> [goto b291

>b291< Did READ ASTERISKED NAMES enroll in this plan in the past 12 months, that is after [fill DATE]?

IF MORE THAN ONE PERSON, ASK: Who enrolled in this plan in the past 12 months?

INTERVIEWER: DO NOT INCLUDE BABIES UNDER ONE YEAR IF THEY WERE COVERED BY PLAN SINCE BIRTH.

IF RESPONDENT SAYS HE/SHE STAYED WITH THE SAME PLAN DURING OPEN ENROLLMENT, CODE NO.

CODE ALL THAT APPLY

[fill NAME] 1
[fill NAME] 2
NO ONE n
NEED TO DELETE A RESPONSE x

DON'T KNOW d
REFUSED r
==>

>b291conf1< Just to confirm: you/[fill name] enrolled in this plan sometime in the past 12 months, and were **not** enrolled in this plan prior to that enrollment?

New enrollment in last 12 months 1
Not new enrollment 2 [goto b291]

>b361< Is this plan an HMO, that is, a Health Maintenance Organization?

PROBE: With an HMO, you must generally receive care from HMO doctors; otherwise, the expense is not covered unless you were referred by the HMO or there was a medical emergency. [NHIS DEF]

YES 1
NO 0

DON'T KNOW d
REFUSED r
==>

>ngi1< Does this health plan pay for at least some of the cost of prescription medicines prescribed by the doctor?

- YES 1
 - NO 0

 - DON'T KNOW d
 - REFUSED r
- ====>

>test b311< [if b251 ne <1> goto b311; else, if b251 <eq> 1 and policy holder is listed in b231, go toCDHP11; else, go totestb40]

NOTE THAT A POLICY HOLDER ONLY HAS TO BE LISTED IN B231; THE INFORMANT DOES NOT HAVE TO BE THE POLICY HOLDER.

CDHP11. A deductible is the amount you have to pay before your insurance plan will start paying any part of your medical bills. Does this health plan have a deductible?

PROBE: IF RESPONDENT CONFUSES DEDUCTIBLE AND CO-PAY:
A co-pay is payment for a doctor visit or other medical service and a deductible is the amount you pay before your insurance plan will start paying any part of your medical bills.

If the R asks whether in-network or out-of network, say in-network.

- YES..... 1
 - NO 0 [goto CDHP4]

 - DON'T KNOW d [goto CDHP4]
 - REFUSED r [goto CDHP4]
- ====>

CATI INSERT INDIVIDUAL IF ONE PERSON IS COVERED AND FAMILY IF MORE THAN ONE PERSON IS COVERED (INDIVIDUAL VERSUS FAMILY COVERAGE SHOULD BE BASED ON b241).

CDHP21. Is the annual (individual/family) deductible less than (\$1,200/\$2,400) or more than (\$1,200/\$2,400)?

PROBES:
(1) Your best guess is fine.
(2) If the R asks whether in-network or out-of network, say in-network.

[TEST: IF CDHP21 IS MORE THAN (\$1,200/\$2,400) GO TO CDHP2aF1; ELSE GO TO CDHP4]

>CDHP2aF1< IF INDIVIDUAL: Is the annual deductible from \$1,000 to under \$2,000, from \$2000 to under \$3,000, from \$3,000 to under \$5,000, or \$5,000 or more?⁴

PROBES:

- (1) Your best guess is fine.
- (2) If the R asks whether in-network or out-of network, say in-network.

IF FAMILY: Is the annual deductible from \$2,000 to under \$3,000, from \$3,000 to under \$5,000, or \$5,000 or more?⁵

PROBES:

- (1) Your best guess is fine.
- (2) If the R asks whether in-network or out-of network, say in-network.

CDHP4. Some health plans offer a special type of savings account that can be used to pay for medical expenses. These plans are sometimes referred to as Health Savings Accounts (HSAs), Health Reimbursement Accounts (HRAs), Personal care accounts, Personal medical funds, or Choice funds, and are different from employer-provided Flexible Spending Accounts).

Does health plan have a special account or fund you can use to pay for medical expenses?

YES..... 1
 NO 0

DON'T KNOW d
 REFUSED r

=>[goto test b40]

>b311< **NON-EMPLOYER AND NON-UNION PLANS:**

How much is the insurance premium for this policy?

NONE 0

\$|_|_|_|_|_|
 \$(10-9997) [goto b321]

DON'T KNOW d
 REFUSED r

==> [goto CDHPNG1]

⁴ Note that question asks whether deductible is between \$1,000 and \$2,000 even though it has already been established that the deductible exceeds \$1,200. This is a typo and should not impact the responses.

⁵ For the family deductible, the question asks whether the deductible is between \$2,000 and \$3,000, even though it has already been established that the deductible exceeds \$2,400. As in previous note, this is a typo.

>b321<

INTERVIEWER: CODE TIME PERIOD.

- WEEK 1
 - EVERY OTHER WEEK 2
 - TWICE A MONTH 3
 - MONTH 4
 - QUARTER 5
 - SEMI-ANNUAL 6
 - ANNUAL 7
- ==>

CDHPNG1. A deductible is the amount you have to pay before your insurance plan will start paying any part of your medical bills. Does this health plan have a deductible? IF YES, ASK CDHPNG2; IF NO, DK, OR RF, GO TO CDHPNG4

- YES..... 1
- NO 0 [goto CDHPNG4]
- DON'T KNOW d [goto CDHPNG4]
- REFUSED r [goto CDHPNG4]

PROBE: IF RESPONDENT CONFUSES DEDUCTIBLE AND CO-PAY:
A co-pay is payment for a doctor visit or other medical service and a deductible is the amount you pay before your insurance plan will start paying any part of your medical bills.

CATI INSERT INDIVIDUAL IF ONE PERSON IS COVERED AND FAMILY IF MORE THAN ONE PERSON IS COVERED (INDIVIDUAL VERSUS FAMILY COVERAGE SHOULD BE BASED ON b241).

CDHPNG2. Is the annual (individual/family) deductible less than (\$1,200/\$2,400) or more than (\$1,200/\$2,400)?

PROBES:
(1) Your best guess is fine.
(2) If the R asks whether in-network or out-of network, say in-network.

[TEST [IF CDHPNG2 is more than (\$1,200/\$2,400) GO TO CDHPNG2A; ELSE GO TO CHDPNG4]

CDHPNG2A. IF INDIVIDUAL: Is the annual deductible from \$1,000 to under \$2,000, from F\$2000 to under \$3,000, from \$3,000 to under \$5,000, or \$5,000 or more?⁶

PROBES:
(1) Your best guess is fine.
(2) If the R asks whether in-network or out-of network, say in-network.

⁶ See note 4
Household Survey

IF FAMILY: Is the annual deductible from \$2,000 to under \$3,000, from \$3,000 to under \$5,000, or \$5,000 or more?⁷

PROBES:

- (1) Your best guess is fine.
- (2) If the R asks whether in-network or out-of network, say in-network.

CDHPNG4 Some health plans offer a special type of savings account that can be used to pay for medical expenses. These plans are sometimes referred to as Health Savings Accounts (HSAs), Health Reimbursement Accounts (HRAs), Personal care accounts, Personal medical funds, or Choice funds.

Does this health plan have a special account or fund you can use to pay for medical expenses?

- YES..... 1
- NO 0
- DON'T KNOW d
- REFUSED..... r

>test b40< IF b2>1 (MORE THAN ONE PRIVATE PLAN), ASK b231-CDHP4 FOR SECOND PLAN; IF b2=3, ASK 231-CDHP4 FOR THIRD PLAN; ELSE IF ANY FAMILY MEMBER HAS MILITARY COVERAGE (b1f ge<1>) AND AT LEAST ONE PERSON WITH MILITARY COVERAGE IS NOT COVERED BY SOME OTHER HEALTH PLAN, goto b41; ELSE goto test b51]

>b41< Did [fill NAMES OF PERSONS COVERED (b1f1)] enroll in [NAME OF PLAN] in the past 12 months, that is after [fill DATE]?

IF MORE THAN ONE PERSON, ASK: Who enrolled in [fill PLAN] after [fill DATE]?

INTERVIEWER: DO NOT INCLUDE BABIES UNDER ONE YEAR IF THEY WERE COVERED BY PLAN SINCE BIRTH.

IF RESPONDENT SAYS HE/SHE STAYED WITH THE SAME PLAN DURING OPEN ENROLLMENT, CODE NO.

- [fill NAME] 1
- [fill NAME] 2
- NO ONE n
- NEED TO DELETE A RESPONSE x
- DON'T KNOW d
- REFUSED..... r
- ===> [goto test b51]

⁷ See Note 5.
Household Survey

>test b51< Medicare [if b1d ge <1> goto b54R5; else goto test b61]

>B54R5< People who qualify for Medicare can obtain their medical coverage for things like doctor or hospital care in different ways. Which of the following describes (your/NAME's) Medicare coverage?

- 1 Regular Medicare
- 2 A Medicare HMO plan
- 3 Or another type of Medicare health plan
- 8 DK
- 9 RF

PROBES:

(1) With a Medicare HMO plan, you must generally receive care from HMO doctors. Otherwise, the expense is not covered unless you were referred by the HMO or there was a medical emergency.

(2) In addition to regular Medicare and Medicare HMOs, Medicare now offers other types of health plans that are not HMOs. These are sometimes referred to as Medicare Advantage plans.

INTERVIEWER INSTRUCTION: IF THE RESPONDENT FEELS THAT HIS OR HER MEDICARE COVERAGE DOES NOT FIT INTO THESE THREE CATEGORIES OR DOESN'T KNOW, CODE DK.

TEST: IF B54R5=2 OR 3, GO TO b54rx; else ask b54supp:

>B54supp< Medicare supplemental or Medigap policies are designed to cover the costs of doctor visits or hospital care that are not covered by Medicare. (Are you/Is NAME) covered by a supplemental Medigap policy (you/NAME) bought on (your/his/her) own or through a previous or current employer?

YES..... 1
 NO 0

DON'T KNOW d
 REFUSED r

TEST: IF PERSON HAS MEDICAID (b1ex <eq> 1), go to b57; ELSE ASK b54rx. Only Medicaid beneficiaries should be skipped over b54rx; persons who have state plans should be asked the question.

b54rx (Do you/Does NAME) have prescription drug coverage through Medicare Part D? People get this type of coverage either through a Medicare health plan, such as a Medicare HMO, that covers prescription drugs, or through a separate Medicare prescription drug plan.

YES..... 1 [goto b57]
 NO 0 [goto testb54mg]
 DON'T KNOW d [goto testb54mg]
 REFUSED r [goto testb54mg]

>TEST 54mg<IF b54rx=NO or DK, or RF AND B1A=1 or B1C =1 [PERSON HAS COVERAGE THROUGH A PRIVATE PLAN] GO TO b54mg; ELSE GO TO b57

b54mg (Does your/Does NAME's) health plan from a current or former employer or union pay for at least some of the cost of prescription medicines?

YES..... 1
 NO 0
 DON'T KNOW d
 REFUSED r

>b57< Did [fill NAMES OF MEDICARE ENROLLEES] enroll in [Medicare] in the past 12 months, that is, after [fill DATE]?

IF MORE THAN ONE PERSON, ASK: Who enrolled in [Medicare] in the past 12 months?

CODE ALL THAT APPLY

[fill NAME] 1
 [fill NAME] 2
 [fill NAME] 3
 [fill NAME] 4
 [fill NAME] 5
 [fill NAME] 6
 [fill NAME] 7
 [fill NAME] 8
 NONE/NO ONE/NO OTHER RESPONSES n
 NEED TO DELETE A RESPONSE x
 DON'T KNOW d
 REFUSED r
 ===>

>test b61< ALL MEDICAID RECIPIENTS goto b64 [If b1ex <eq> 1 or b1ey eq <1> or <d>) goto b64; else goto test b70.]

NOTE: Deleted b61, b62 and b63.

>b64< Under (Medicaid/STATE NAME) (are/is) [fill NAMES] signed up with an HMO, that is, a Health Maintenance Organization?

PROBE: With an HMO, you must generally receive care from HMO doctors; otherwise, the expense is not covered unless you were referred by the HMO or there was a medical emergency. [NHIS DEF]

YES..... 1
NO 0

DON'T KNOW d
REFUSED r
==>

NOTE: Deleted b65a, b65b, and b66

>b67< Did [fill NAMES OF MEDICAID BENEFICIARIES] enroll in [STATE NAME/Medicaid] in the past 12 months, that is, after [fill DATE]?

IF MORE THAN ONE PERSON, ASK: Who enrolled in (STATE NAME/Medicaid) in the past 12 months?

INTERVIEWER: DO NOT INCLUDE BABIES UNDER ONE YEAR IF THEY WERE COVERED BY PLAN SINCE BIRTH.

[fill NAME] 1
[fill NAME] 2
[fill NAME] 3
[fill NAME] 4
[fill NAME] 5
[fill NAME] 6
[fill NAME] 7
[fill NAME] 8
NONE/NO ONE/NO OTHER RESPONSES n
NEED TO DELETE A RESPONSE x

DON'T KNOW d
REFUSED r
==>

>test b70< **ASKED IF ANY PERSON HAS A STATE PLAN, INCLUDING CHIP, OR OTHER PLAN AND NO PRIVATE PLANS. [If b1a, b1b, and b1c ARE NOT COVERING PERSON i, AND PERSON i HAS COVERAGE BY b1h or b1i1, FOR ANY PERSON I go to b75; else, go to test b80].**

>b75< Is [fill NAME OF STATE PROGRAM]an HMO, that is, a Health Maintenance Organization?

PROBE: WITH an HMO, you must generally receive care from HMO doctors; otherwise, the expense is not covered unless you were referred by the HMO or there was a medical emergency. [NHIS DEF]

YES..... 1
NO 0

DON'T KNOW d
REFUSED..... r

====>

NOTE: Deleted b75a, b75b, and b76

>b77< Did [fill NAMES OF PLAN MEMBERS] enroll in [NAME OF STATE PROGRAM] in the past 12 months, that is, after [fill DATE]?

IF MORE THAN ONE PERSON, ASK: Who enrolled in the past 12 months?

INTERVIEWER: DO NOT INCLUDE BABIES UNDER ONE YEAR IF THEY WERE COVERED BY PLAN SINCE BIRTH.

[fill NAME] 1
[fill NAME] 2
[fill NAME] 3
[fill NAME] 4
[fill NAME] 5
[fill NAME] 6
[fill NAME] 7
[fill NAME] 8

NO ONE AFTER [fill DATE]/NO ONE ELSE..... n

DON'T KNOW d
REFUSED..... r

====> [go to testb80]

CURRENTLY UNINSURED

>test b80< **[IF ONE OR MORE FAMILY MEMBERS IS CURRENTLY UNINSURED, goto b80 FOR FIRST PERSON; ELSE goto TEST b85]**

>b801< At any time during the past 12 months [was fill NAME/were you] covered by [Medicaid/fill STATE NAME], [fill STATE PROGRAM], or a health insurance plan obtained through work, a union, or purchased directly?

YES..... 1 [goto b81]
NO 0

DON'T KNOW d
REFUSED..... r

==> [goto NEXT UNCOVERED PERSON or test b85]

>b81< Just before becoming uninsured, what type of health insurance coverage did ([fill NAME]/you) have? Was it . . .

INTERVIEWER: CODE ONLY ONE.

a health insurance from an employer or union or
purchased directly from insurance company 1 [goto b83]
Medicaid/fill state name..... 2 [goto b83]
[fill state plan] 3 [goto b83]

CHAMPUS, Champ-VA, TRICARE, VA,
or other military coverage 4
Indian Health Service 5
NONE 0

DON'T KNOW d
REFUSED..... r

==> [goto next uncovered person or test b85]

>b83<

In what month did [fill NAME'S/your] health insurance coverage under this plan stop?

- JAN 1
 - FEB..... 2
 - MARCH..... 3
 - APRIL 4
 - MAY 5
 - JUNE 6
 - JULY 7
 - AUGUST 8
 - SEPT 9
 - OCT 10
 - NOV 11
 - DEC 12

 - DON'T KNOW d
 - REFUSED..... r
- ===>

>b84<

Why did [fill NAME]'s health insurance coverage stop?

INTERVIEWER: CODE ALL THAT APPLY; READ RESPONSES IF NECESSARY.

- LOST JOB OR CHANGED EMPLOYERS 1
 - SPOUSE/PARENT LOST JOB OR CHANGED EMPLOYERS 2
 - GOT DIVORCED OR SEPARATED/ DEATH OF SPOUSE OR PARENT..... 3
 - BECAME INELIGIBLE BECAUSE OF AGE/ LEFT SCHOOL 4
 - EMPLOYER STOPPED OFFERING COVERAGE 5
 - CUT BACK TO PART TIME/ BECAME TEMPORARY EMPLOYEE 6
 - BENEFITS FROM EMPLOYER/ FORMER EMPLOYER RAN OUT 7
 - COULDN'T AFFORD TO PAY THE PREMIUMS 8
 - INSURANCE PLAN RAISED COST OF PREMIUMS ... 9
 - INSURANCE COMPANY REFUSED COVERAGE 10
 - OR SOMETHING ELSE [SPECIFY]..... 11

 - NONE/NO ONE/NO OTHER RESPONSES n
 - NEED TO DELETE A RESPONSE x

 - DON'T KNOW d
 - REFUSED..... r
- ===> [goto next uncovered person or test b85]

CURRENTLY INSURED

>test b85< [IF ONE OR MORE FAMILY MEMBERS ARE CURRENTLY INSURED AND COVERAGE BEGAN LESS THAN 12 MONTHS AGO, goto b851; ELSE goto TEST b90]

>b851< During the month just before [fill NAME]'s coverage with [fill CURRENT PLAN NAME] began, what type of health insurance coverage did [you/he/she] have? Was it . . .

INTERVIEWER: CODE ONLY ONE.

- Private insurance from an employer or union or directly purchased from an insurance company 1
 - [Medicaid/fill state name]..... 2
 - [fill state plan] 3
 - CHAMPUS, Champ-VA, TRICARE or other military coverage 4
 - Indian Health Service 5
 - A different Medicare plan⁸ [SUPPRESS IF PERSON LT 65] 6
 - or did (he/she/you) not have any health insurance coverage 0
 - NOT APPLICABLE [NEWBORN/FOREIGN COVERAGE] 7
 - DON'T KNOW d
 - REFUSED r
- ===>

>test b861< [IF THERE ARE OTHER CURRENTLY INSURED FAMILY MEMBERS WHOSE COVERAGE BEGAN LESS THAN 12 MONTHS AGO, goto b861; ELSE goto TEST b881]

⁸Can capture prior coverage of Medicare beneficiaries who had changes in last 12 months here.

>b861< Were [fill NAMES OF OTHER CURRENTLY INSURED FAMILY MEMBERS WHOSE COVERAGE BEGAN LESS THAN 12 MONTHS AGO] covered under this plan?

CODE ALL THAT APPLY

[fill NAME] 1
[fill NAME] 2
[fill NAME] 3
[fill NAME] 4
[fill NAME] 5
[fill NAME] 6
[fill NAME] 7
[fill NAME] 8

NONE/NO ONE/NO OTHER RESPONSES n
NEED TO DELETE A RESPONSE x

DON'T KNOW d
REFUSED r
==>

>test b881< [If b851 eq <1> and current coverage is private (bla, blb or blc) go to b881; ELSE goto test b852]

>b881< Why did [fill NAME/you] change insurance plans at that time?

CODE ALL THAT APPLY.

OWN/SPOUSE/PARENT CHANGE JOB 1
EMPLOYER OFFERINGS CHANGED 2
CURRENT PLAN IS LESS EXPENSIVE 3
CURRENT PLAN HAS BETTER SERVICES:
PREFERRED DOCTORS, BETTER QUALITY,
CONVENIENT LOCATION, ETC. 4
OTHER [SPECIFY] 5

NONE/NO ONE/NO OTHER RESPONSES n
NEED TO DELETE A RESPONSE x

DON'T KNOW d
REFUSED r
==>

>test b852< [IF THERE ARE OTHER CURRENTLY INSURED FAMILY MEMBERS WHOSE COVERAGE BEGAN LESS THAN 12 MONTHS AGO, AND WHO WERE NOT CITED IN b851 or b861, ASK b852; ELSE goto TEST b902].

>b852< During the month just before [fill NAME]'s coverage with [fill CURRENT PLAN NAME] began, what type of health insurance coverage did [you/he/she] have? Was it . . .

INTERVIEWER: CODE ONLY ONE.

- private insurance from an employer or union or directly purchased from an insurance company 1
- [Medicaid/fill state name]..... 2
- [fill state plan] 3
- CHAMPUS, CHAMP-VA, TRICARE or other military coverage 4
- Indian Health Service 5
- A different Medicare plan [SUPPRESS IF PERSON LT 65] 6
- or did (he/she/you) not have any health insurance coverage 0 [goto next insured person whose coverage began LT 12 months ago or test b90]

- DON'T KNOW d [goto next insured person whose coverage began LT 12 months ago or test b90]

- REFUSED r [goto next insured person whose coverage began LT 12 months ago or test b90]

====>

>test b882< [If b852 eq <1> and current coverage is private (bla, blb or blc) go to b882; ELSE goto test b902]

>b882< Why did [fill NAME/you] change insurance plans at that time?

CODE ALL THAT APPLY.

OWN/SPOUSE/PARENT CHANGED JOB..... 1
EMPLOYER OFFERINGS CHANGED 2
CURRENT PLAN IS LESS EXPENSIVE 3
CURRENT PLAN HAS BETTER SERVICES:
PREFERRED DOCTORS, BETTER QUALITY,
CONVENIENT LOCATION, ETC. ⁹ 4
OTHER [SPECIFY] 5

DON'T KNOW d
REFUSED r
==>

>test b90< GO TO c101

NOTE: Question deleted from CTS4
b2311, b2312, b2p1_an, b2p1_nam, b221, b23141, b23151, prod_sp1, b2611,
b26121, b26a, b26b, b301, ngi2, ngi3, ngi4, b331, b341, b351, b371, b40, b421,
b51, b52, b53, b54, b55a, b55p, b55b, b55c, b58, b59, 59ad, b68, b78, b79,
b791, b82, b84a, b871, b901, b911, b921

⁹Frequency for particular services is too low to justify burden and cost of separate coding.

c. RESOURCE USE DURING THE LAST 12 MONTHS

>c101< Since [DATE 12 MONTHS AGO], were [fill NAMES OF FAMILY MEMBERS] a patient in a hospital overnight?

PROBE: DO NOT INCLUDE ANY OVERNIGHT STAYS IN THE EMERGENCY ROOM.

YES..... 1 [goto c11]
NO 0

DON'T KNOW d
REFUSED r
==> [goto test c20]

>c11< Who was in a hospital overnight? (Anyone else?)

[fill NAME] 1
[fill NAME] 2
[fill NAME] 3
[fill NAME] 4
[fill NAME] 5
[fill NAME] 6
[fill NAME] 7
[fill NAME] 8

NONE/NO ONE/NO OTHER RESPONSES n
NEED TO DELETE A RESPONSE x

DON'T KNOW d
REFUSED r
==>

>test c121< [ASK FOR EACH PERSON WITH A HOSPITAL STAY]

>c121< How many different times did [fill NAME] stay in any hospital overnight or longer during the past 12 months?

PROBE: Your best estimate is fine.

|__|__| TIMES
(1-20)

DON'T KNOW d
REFUSED r
==>

>test c131< [if (FEMALE AND GE 12 AND LE 45) or (CHILD LE 1) goto c131; else goto c151]

>c131< FEMALE, 12-45 YEARS OLD: [Were any of these hospital stays/was this hospital stay] for delivery of a baby?

CHILD: Did [fill CHILD LE 1] stay in the hospital overnight at birth?

YES..... 1 [goto c141]
NO 0

DON'T KNOW d
REFUSED r
==> [goto c151]

>c141< Have you included this hospitalization in the number of hospital stays you gave me for [fill NAME]?

PROBE: Was [fill NAME's] stay in the hospital overnight for delivery.

YES..... 1
NO 0

DON'T KNOW d
REFUSED r
==>

>c151< [For how many of the [fill c121] times [fill NAME] stayed in the hospital] (was/were) (he/she/you) admitted through the emergency room?

|__|__| TIMES
(0-20)

DON'T KNOW d
REFUSED r

NOTE: NUMBER MUST BE LE # ADMISSIONS IN c121.
==>

>c161< [For [fill NAME]'s [fill c121] hospital stay(s) during the past 12 months,] how many nights was (he/she) in the hospital altogether?

____|____|____| NIGHTS
(1-366)

DON'T KNOW d

REFUSED r

====>

NOTE: c161 MUST BE GE c121; ELSE VERIFY.

REPEAT FOR OTHER FAMILY MEMBERS WITH HOSPITAL STAYS. THEN ASK REMAINING RESOURCE USE QUESTIONS FOR EACH FAMILY MEMBER, BEGINNING WITH INFORMANT.

>test c20< **SELECT WORDING BASED ON WHETHER PERSON HAD ER VISIT RESULTING IN HOSPITAL ADMISSION**

>c211< ER/HOSPITAL ADMISSION: [The next questions are about [fill NAME]¹⁰. Not counting [fill NAME]'s [fill c151] emergency room visits you told me about, [have/has] [fill NAME] gone to a hospital emergency room in the past 12 months to get medical treatment?

NO ER/HOSPITAL ADMISSION: [The next questions are about [fill NAME]].¹ During the past 12 months, [have/has] [fill NAME] gone to a hospital emergency room to get medical treatment?

PROBE: Count all visits to the ER, including visits where you received a brief exam, but were sent elsewhere.

YES..... 1 [goto c221]

NO 0

DON'T KNOW d

REFUSED r

====> [goto c311)

¹⁰Delete phrase for one person family.
Household Survey

>c221< [Again, not counting the [fill 151] emergency room visits you told me about,] During the past 12 months, how many times has [fill NAME] gone to a hospital emergency room?

PROBE: Count all visits to the ER, including visits where [fill NAME] received a brief exam, but were sent elsewhere.

PROBE: Your best estimate is fine.

|__|__| TIMES
(1-20)

DON'T KNOW d [goto c231]
REFUSED r
====> [gotoc311]

>c231< Would you say one, two or three, four to nine, ten to twelve, or thirteen or more?

1..... 1
2-3..... 2
4-9..... 3
10 - 12..... 4
13 OR MORE 5
DON'T KNOW d
REFUSED r
====>

>c311< Since [insert MONTH/YEAR 12 months ago], about how many times has [fill NAME] seen a doctor? [IF ER OR HOSPITAL VISIT: Do not count doctors seen while an overnight patient in a hospital or in the emergency room.]

PROBES: (1) Include osteopathic doctors and psychiatrists.
(2) Include outpatient visits and outpatient surgeries.
(3) Exclude dentists visits, chiropractor visits, and telephone calls to doctors.
(4) Your best estimate is fine.

NO/NONE 0 [goto c331]

|__|__| VISITS [goto c331]
(1-96)

DON'T KNOW d [goto c321]
REFUSED r [gotoc331]
====>

>c321< Would you say one, two or three, four to nine, ten to twelve, or thirteen or more?

- 1..... 1
- 2-3..... 2
- 4-9..... 3
- 10 - 12..... 4
- 13 OR MORE..... 5

DON'T KNOW..... d
 REFUSED..... r

==>

>c331< [Not counting [fill NAME'S] [fill c311 or 321] doctor visits you already told me about,] has [fill NAME] seen a nurse practitioner, physician's assistant, [or midwife] during the last 12 months?

IF YES: How many times has [fill NAME] seen a nurse practitioner, physician's assistant [or midwife] during the last 12 months?

- PROBES:** (1) Your best estimate will be fine.
 (2) Include times you got a shot, but did not see the doctor.
 (3) Do not include visits where [FILL NAME] saw only a registered nurse.

NO/NONE 0

|__|__| VISITS
(1-96)

DON'T KNOW..... d [goto c341]

REFUSED..... r

==> [go to c811]

>c341< Would you say one, two or three, four to nine, ten to twelve, or thirteen or more?

- 1..... 1
- 2-3..... 2
- 4-9..... 3
- 10 - 12..... 4
- 13 OR MORE..... 5

DON'T KNOW..... d

REFUSED..... r

==>

c. UNMET NEED

NOTE: THE UNMET NEED (C81N-C86N) QUESTIONS FOR OTHER ADULTS ARE INCLUDED IN THE SELF RESPONSE MODULE.

>c811< [INFORMANT SELF RESPONSE/CHILD] Next, during the past 12 months, was there any time when (you/fill CHILD) didn't get the medical care you needed?

INTERVIEWER: THIS QUESTION IS LIMITED TO MEDICAL CARE. DO NOT INCLUDE DENTAL CARE.

YES..... 1
NO 0

DON'T KNOW d
REFUSED r
==>

>c821< [INFORMANT SELF RESPONSE/CHILD] And was there any time during the past 12 months when you put off or postponed getting medical care you thought (you/FILL CHILD) needed?

YES..... 1
NO 0

DON'T KNOW d
REFUSED r
==>

>test c831< [IF c811 EQ <1> OR <d> OR c821 EQ <1> or <d> goto c831; ELSE goto c841]

>c831< [INFORMANT SELF RESPONSE/CHILD] Did you not get the medical care (you/fill CHILD) needed or have delays getting medical care (you/fill CHILD) needed for any of the following reasons?

CODE ALL THAT APPLY.

- Worry about the cost..... 1
- The doctor or hospital wouldn't accept your health insurance 2
- Your health plan wouldn't pay for the treatment 3
- You couldn't get an appointment soon enough 4
- You couldn't get there when the doctor's office or clinic was open 5
- It takes too long to get to the doctor's office or clinic from your house or work 6
- You couldn't get through on the telephone 7
- You were too busy with work or other commitments to take the time 8
- You didn't think the problem was serious enough 9
- Or any other reason I haven't mentioned [SPECIFY] 0

NONE CITED/NO OTHER RESPONSES n
 NEED TO DELETE A RESPONSE x

DON'T KNOW d
 REFUSED r
 ==>

>c841< [INFORMANT SELF RESPONSE/CHILD] During the past 12 months, was there any time (you/fill CHILD) needed prescription medicines but didn't get them because you couldn't afford it?¹¹

YES..... 1
 NO 0

DON'T KNOW d
 REFUSED r
 ==>

¹¹Source: NHIS, AAU.111
 Household Survey

>test c93< [ASK c21n...c34n...FOR NEXT ADULT and c21n---c34n and k811-k841 for child; THEN gotoc92]

>c92< During the past 12 months, about how much did (you/your family) spend out-of-pocket for medical care? Do not include the cost of dental care, health insurance premiums, or any costs that are paid by your health insurance.

- PROBES:** (1) Your best estimate is fine.
(2) Include out-of-pocket expenses for prescription drugs, co-payments, and deductibles, but do not include health insurance premiums, dental costs, or any other costs paid by your health insurance.

READ CATEGORIES IF NECESSARY.

NONE 0

\$ |__|__|,|__|__|__|
(10-96,000)

DON'T KNOW d [goto c93]
REFUSED r
==> [gotoc94]

>c93< Would that be less than \$500, \$500 to less than \$2,000, \$2,000 to less than \$3,000, \$3,000 to less than \$5,000, or \$5,000 or more?

READ CATEGORIES IF NECESSARY.

NONE 0
LESS THAN \$500 1
\$500 TO \$1,999 2
\$2,000 TO \$2,999 3
\$3,000 TO \$4,999 4
\$5,000 OR MORE 5

DON'T KNOW d
REFUSED r
==>

>c94< During the past 12 months, (have you/has your family) had any problems paying medical bills?

YES 1 [goto c95]
NO 0

DON'T KNOW d
REFUSED r
==> [gotoRC1]

>c95< Because of problems paying medical bills during the past 12 months, (have you/has your family)...

INTERVIEWER: REPEAT STEM IF NECESSARY

PROGRAMMER NOTE: ROTATE c95a-c95g

	YES	NO	DON'T KNOW	REFUSED
a. Been contacted by a collection agency?	1	0	d	r
b. Had problems paying for other necessities?	1	0	d	r
c. Put off major purchases, such as a new home or car?	1	0	d	r
d. Had to take money out of savings?	1	0	d	r
e. Had to borrow?	1	0	d	r
f. Thought about filing for bankruptcy	1	0	d	r
f1. IF YES: Did you file for bankruptcy	1	0	d	r
g. Been denied medical care by a doctor or other provider	1	0	d	r

[INSERT YOU IF SINGLE PERSON FIU; ELSE INSERT YOUR FAMILY]

>C96< Was the medical condition(s) or event(s) that caused the medical bills your family had difficulty paying...

CODE ALL THAT APPLY

- An accident or injury..... 1
- An illness..... 2
- A medical test or surgical procedure 3
- A birth of a child 4
- Routine health care 5
- Something else (SPECIFY) 6

<d> DON'T KNOW <r> REFUSED <x> DELETE A CODE <n> NO MORE CODES

>C97< Was the person who was treated for these (INSERT- medical problems IF c96=1-3,6) /birth of a child IF c96= 4/routine health care IF c96=5) covered by health insurance or was this person uninsured at the time services were received?

- COVERED 1
- UNINSURED..... 0
- DON'T KNOW d
- REFUSED..... r

>C100< When did (you/your family) first get these medical bills? Was it within the last year, from 1 to 2 years ago, from 2 to 5 years ago, or more than 5 years ago?

- LAST YEAR 1
- 1 TO 2 YEARS AGO 2
- 2 TO 5 YEARS AGO 3
- MORE THAN 5 YEARS AGO..... 4

- DON'T KNOW d
- REFUSED r

>C101_2< How much (do you/does your family) currently owe in medical bills?

- <0-90000>
- DON'T KNOW d
 - REFUSED r

PROBE IF DOESN'T KNOW EXACT AMOUNT:

>C101a< Is it less than \$2,000, from \$2,000 to less than \$5,000, from \$5,000 to less than \$10,000, from \$10,000 to less than \$20,000, or more than \$20,000?

- LESS THAN 2,000 1
- 2,000 TO LESS THAN 5,000..... 2
- 5,000 TO LESS THAN 10,000..... 3
- 10,000 TO LESS THAN 20,000..... 4
- 20,000 OR MORE 5

- DON'T KNOW d
- REFUSED r

>C102< During the past 12 months, how much of (your/your family's) medical bills have you paid off? Would you say none, a little, some, most or all of your medical bills?

- NONE 1
- A LITTLE..... 2
- SOME 3
- MOST 4
- ALL 5 [goto RC1]

- DON'T KNOW d
- REFUSED r

>C103< When do you expect to pay off your current medical bills? Would you say within the next year, within the next two to three years, within the next five years, or longer than that?

- NEXT YEAR..... 1
- TWO TO THREE YEARS..... 2
- FIVE YEARS..... 3
- LONGER THAN FIVE YEARS 4

- DON'T KNOW..... d
- REFUSED..... r

IN-STORE RETAIL CLINICS

>RC1< An in-store health clinic is a medical clinic that is located inside a retail store like CVS, Walgreens, Target or Wal-Mart. Have you (or INSERT NAMES OF OTHER FIU MEMBERS) **ever** had a medical visit at an in-store health clinic? Do not include pharmacies that only offer flu vaccinations once a year or eye care.

- YES..... 1
- NO 0 [goto RC5]

- DON'T KNOW 1 [goto RC5]
- REFUSED..... 1 [goto RC5]

>RC1a< Have you (or INSERT NAMES OF OTHER FIU MEMBERS) used an in-store health clinic in a retail chain during the **past 12 months**?

- YES..... 1
- NO 0 [goto RC5]

- DON'T KNOW d [goto RC5]
- REFUSED..... r [goto RC5]

>RC2< Please think of the last time you or a family member used an in-store health clinic in a retail chain. What was the primary purpose of that visit?

ROTATE a-e THEN f. : CODE ALL THAT APPLY

- a. A new illness or symptom such as sore throat, strep throat, ear infection or skin rash
- b. Vaccination such as a flu shot or tetanus shot
- c. Physical exam for school, camp or employment
- d. Care for an ongoing or chronic condition like diabetes
- e. Prescription renewal
- f. Other (SPECIFY)

YES..... 1

NO 0

DON'T KNOW d

REFUSED..... r

>RC3<

I'm going to read several reasons why some people choose in-store health clinics. For each one, please tell me whether it was a major factor, a minor factor, or not a factor in choosing an in-store clinic for the most recent visit.

ROTATE

- a. I/we do not have a regular source of medical care
 - 1 MAJOR FACTOR
 - 2 MINOR FACTOR
 - 3 NOT A FACTOR
 - d DON'T KNOW
 - r REFUSED

- b. I/we did not have to make an appointment
 - 1 MAJOR FACTOR
 - 2 MINOR FACTOR
 - 3 NOT A FACTOR
 - d DON'T KNOW
 - r REFUSED

- c. The cost was lower than another source of care
 - 1 MAJOR FACTOR
 - 2 MINOR FACTOR
 - 3 NOT A FACTOR
 - d DON'T KNOW
 - r REFUSED

- d. The location was more convenient than another source of care
 - 1 MAJOR FACTOR
 - 2 MINOR FACTOR
 - 3 NOT A FACTOR
 - d DON'T KNOW
 - r REFUSED

- e. The clinic hours were more convenient than another source of care
 - 1 MAJOR FACTOR
 - 2 MINOR FACTOR
 - 3 NOT A FACTOR
 - d DON'T KNOW
 - r REFUSED

CATI: IF ANY FIU MEMBER IS INSURED BY ANY PLAN GO TO RC4; ELSE GO TO RC5

>RC4<

Did your health insurance plan pay for none, part, or all of the cost of the most recent visit to the in-store clinic?

- NONE OF THE COST 1
- PART OF THE COST..... 2
- ALL OF THE COST..... 3

- DON'T KNOW d
- REFUSED..... r

ONSITE WORKPLACE HEALTH CLINICS

>RC5< Have you (or INSERT NAMES OF OTHER FIU MEMBERS) **ever** used an onsite health clinic at your or (SPOUSE’S) workplace?

- YES..... 1
- NO 0 [goto d101]

- DON’T KNOW d [goto d101]
- REFUSED r [goto d101]

>RC5a< Have you (or INSERT NAMES OF OTHER FIU MEMBERS) used an onsite health clinic a workplace during the **past 12 months**?

- YES..... 1
- NO 0 [goto d101]

- DON’T KNOW d [goto d101]
- REFUSED r [goto d101]

>RC6< Please think of the last time you or a family member used an onsite health clinic at a workplace. What was the primary purpose of that visit?

ROTATE a-e THEN f. :

- a. To treat an injury that was work related?
- b. Vaccination such as a flu shot or tetanus shot?
- c. A new illness or symptom such as sore throat, strep throat, ear infection or skin rash?
- d. A physical exam for employment, school, or camp?
- e. Care for an ongoing or chronic condition like diabetes?
- f. Prescription renewal?
- g. Some other reason [SPECIFY]

- YES..... 1
- NO 0

- DON’T KNOW d
- REFUSED r

>rc7<

I'm going to read several reasons why some people choose onsite health clinics. For each one, please tell me whether it was a major factor, a minor factor, or not a factor in choosing an onsite clinic for the most recent visit.

ROTATE

- a. I/we do not have a regular source of medical care
 - 1 MAJOR FACTOR
 - 2 MINOR FACTOR
 - 3 NOT A FACTOR
 - d DON'T KNOW
 - r REFUSED
- b. I/we did not have to make an appointment
 - 1 MAJOR FACTOR
 - 2 MINOR FACTOR
 - 3 NOT A FACTOR
 - d DON'T KNOW
 - r REFUSED
- c. The cost was lower than another source of care
 - 1 MAJOR FACTOR
 - 2 MINOR FACTOR
 - 3 NOT A FACTOR
 - d DON'T KNOW
 - r REFUSED
- d. The location was more convenient than another source of care
 - 1 MAJOR FACTOR
 - 2 MINOR FACTOR
 - 3 NOT A FACTOR
 - d DON'T KNOW
 - r REFUSED
- e. The clinic hours were more convenient than another source of care
 - 1 MAJOR FACTOR
 - 2 MINOR FACTOR
 - 3 NOT A FACTOR
 - d DON'T KNOW
 - r REFUSED

NOTE:

Question deleted from CTS4
er1, er2, er3, er4, er5, er6, er7, er8, er9, c3p1, c3c1, c351, c361, c411, c421,
c431, c511, unmet1, unmet2, unmet2a, unmet3, unmet3a, unmet4, unmet4a,
unmet5, unmet5a

d. USUAL SOURCE OF CARE

ASK OF FAMILY INFORMANT

>USC< The next questions are about places people go to for their health problems. Because some of these questions ask about Internet use in medical practices, first I need to ask about your use of the Internet.

>IT1< Do you ever go on line to use the Internet? (modified Pew, HINTS)

YES..... 1
NO 0 [goto d101]

DON'T KNOW d [goto d101]
REFUSED r [goto d101]

>IT2< In general, how often do you go online- several times a day, about once a day, 3-5 days a week, 1 to 2 days a week, once every few weeks, or less often than that? [modified KFF, PEW 2003]

SEVERAL TIMES A DAY 1
ABOUT ONCE A DAY 2
3 TO 5 DAYS A WEEK..... 3
1 TO 2 DAYS A WEEK..... 4
ONCE EVERY FEW WEEKS 5
LESS OFTEN..... 6

DON'T KNOW d
REFUSED r

>d101< Next, is there a place that you **usually** go to when you are sick or need advice about your health?

PROBE: IF R. IS UNSURE IF ONE PLACE OR MORE THAN ONE PLACE:
you are sick or need advice about your health, do you go to one place or more than one place?

YES..... 1 [goto d111]
NO, THERE IS NO PLACE 0 [gotorx1]
NO, THERE IS MORE THAN ONE PLACE 3 [goto d111]

DON'T KNOW d [goto rx1]
REFUSED r [goto rx1]

====>

>d111<

If (d101 = 1) then read:

What kind of place is it--a doctor's office, an HMO, a hospital outpatient clinic, some other clinic or health center, an emergency room, or some other place?

Else (d101 = 3) read:

What kind of place do you go to most often--a doctor's office, an HMO, a hospital outpatient clinic, some other clinic or health center, an emergency room, or some other place?

- DOCTOR'S OFFICE 1
 - HMO 2
 - HOSPITAL OUTPATIENT CLINIC 3
 - OTHER CLINIC OR HEALTH CENTER 4
 - HOSPITAL EMERGENCY ROOM 5
 - SOME OTHER PLACE 6

 - DON'T KNOW d
 - REFUSED r
- ====>

>sn1<

IF UNINSURED: At this place, do you pay full price for medical care or do you pay a lower amount based on what you can afford to pay?

- FULL PRICE 0
 - LOWER AMOUNT 1

 - DON'T KNOW d
 - REFUSED r
- ====>

>d121time<

How long have you been going to this place?

- Less than 6 months 1
- At least 6 months but less than 1 year 2
- At least 1 year but less than 3 years 3
- At least 3 years but less than 5 years 4
- 5 years or more 5

- DON'T KNOW d
- REFUSED r

>test< If c311 equals 0 and c331 equals 0 go to d121; else if (d111, kd111, d111_sr2) equals 5 (emergency room) then skip to (d121, kd121, d121_sr2). Skip questions CAHPS5 through IT5 when the usual place of care is the emergency room or if respondent has no visits with doctors or other medical professionals in the last 12 months.

>CAHPS5< In the last 12 months, not counting the times you needed care right away, did you make any appointments for your health care at this place?

YES..... 1 [goto
E261R5@day]
NO 0
DON'T KNOW d
REFUSED r
====> [goto ACCESS1)

>E261R5@day< Thinking of the last time you made an appointment at this place, how long did you have to wait between the time you made the appointment and the day you actually saw a doctor or other health care provider?

INTERVIEWER: (1) CODE "0" FOR SAME DAY.
(2) ACCEPT MOST CONVENIENT TIME PERIOD.

___ (0-31) DAYS OR ___ (1-20) WEEKS OR ___ (1-5) MONTHS

DON'T KNOW d
REFUSED r
====>

>ACCESS1< Does this place have office hours at night or on the weekends? FROM MEPS ACCESS TO CARE SUPPLEMENT

YES 1
NO 0
DON'T KNOW d
REFUSED r
====>

>ACCESS2< In the past 12 months, have you tried to contact this place after their regular hours for an urgent medical need?

YES [go to ACCESS3] 1
NO 0

DON'T KNOW d
REFUSED r
==> [GO TO IT3]

>ACCESS3< How difficult is it to contact a doctor or other health care provider at this place after their regular hours in case of urgent medical needs- very difficult, somewhat difficult, not too difficult, or not at all difficult? MEPS ACCESS TO CARE SUPPLEMENT MODIFIED

VERY DIFFICULT 1
SOMEWHAT DIFFICULT 2
NOT TOO DIFFICULT 3
NOT AT ALL DIFFICULT 4

DON'T KNOW d
REFUSED r

>IT3< As far as you know, can you ask a medical question at this place by e-mail or by visiting its web site?

ITAVAIL-P YES 1
NO 0

DON'T KNOW d
REFUSED r
==>

>test IT4< [if IT1=1 and IT3=1 go to IT4; else go to d121]

>IT4< In the last 12 months, did you e-mail this place or visit its web site with a medical question? CAHPS HIT FIELD TEST #18

YES [go to IT5] 1
NO 0

DON'T KNOW d
REFUSED r
==> [to go d121]

>IT5< In the last 12 months, when you e-mailed this place or visited its website, how often did you get an answer to your medical question as soon as you needed-never, sometimes, usually, or always? CAHPS H IT FIELD TEST #19

- NEVER 1
- SOMETIMES 2
- USUALLY 3
- ALWAYS 4

- DON'T KNOW d
- REFUSED r

>d121< **d121, d121_sr2 Add an intro sentence.**
The next questions ask about doctors and other health professionals you may see at the (FILL PLACE FROM d111) you usually go to when you are sick or need advice about your health.”

When you go to this place, do you usually see a doctor, a nurse, or some other type of health professional?

INSTRUCTION: IF R. SAYS DOCTOR AND NURSE, CODE DOCTOR.

- DOCTOR 1 [goto d121spec]
 - NURSE 2 [goto d131]
 - OTHER [SPECIFY] 3 [goto d131]

 - DON'T KNOW d [gotorx1]
 - REFUSED r [gotorx1]
- ==>

>d121spec< Primary care doctors, such as general or family doctors, general internists, or pediatricians, treat a variety of illnesses and give preventive care. Specialists are doctors like surgeons, heart doctors, and others who specialize in one area of health care.

Is the doctor you usually see a primary care doctor or a specialist?

INTERVIEWER INSTRUCTION: GENERAL INTERNISTS ARE PRIMARY CARE DOCTORS; INTERNISTS WHO SUBSEQUENTLY SPECIALIZE IN A PARTICULAR AREA OF CARE ARE SPECIALISTS.

- PRIMARY DOCTOR 1
 - SPECIALIST 2

 - DON'T KNOW d
 - REFUSED r
- ==>

>d131< Do you usually see the same (doctor/nurse/provider) each time you go there?

YES..... 1
 NO 0

DON'T KNOW d
 REFUSED r
 ===>

>rx1< During the last 12 months, have you taken any prescription medicines?

YES..... 1
 NO 0

DON'T KNOW d
 REFUSED r
 ===>

>testusc< If c311 >0 and c331 > 0 and if d101= 1 or 3 go to USCFILL; else go to test e10
 (NEXT SECTION IF R. HAS NO VISITS TO MEDICAL PROVIDERS IN LAST 12 MONTHS OR NO USC)

USCFILL: If d121=1 and d131=1, then USCFILL= "your usual doctor"; else, USCFILL= "a doctor or other health care provider"

USCFILL2: If USCFILL= "a doctor or other health care provider" THEN USCFILL2= "or other health care providers"; else USCFILL2= BLANK

USCFILL change fill and add an introduction when the usual source of care isn't a doctor and the same doctor isn't seen every time (d121 ne 1 and d131 ne 1).
 fill - "a doctor or other health care provider"

>test rx1< [if rx1=1, go to rx2; else go to USCVISIT2]

Introduction - "For the next questions, please think about doctors and other health care providers you see at the (FILL PLACE FROM d111) you usually go to when you are sick or need advice about your health."

>rx2< In the past 12 months, did USCFILL talk with you about all of the different prescription medicines you are using, including medicines prescribed by other doctors?

YES..... 1
 NO 0

DON'T KNOW d
 REFUSED r
 ===>

>USCVISIT2< In the last 12 months, how many times did you visit USCFILL to get care for yourself [CAHPS 4.0 HEALTH PLAN SURVEY, #10]?

- NONE 1
- 1 TIME 2
- 2-4 TIMES 3
- 5-9 TIMES 4
- 10 OR MORE TIMES 5

- DON'T KNOW d
- REFUSED r

>medtest1< In the last 12 months, did USCFILL send you for a blood test, x-ray, or other test?

- YES [go to medtest2] 1
- NO 0

- DON'T KNOW d
- REFUSED r
- ====>[go totest IT7]

>medtest2< Did you get any tests or x-rays that USCFILL ordered?

- YES [go to medtest3] 1
- NO 0

- DON'T KNOW d
- REFUSED r
- ====> ===>[go totest IT7]

>medtest3< In the last 12 months, when USCFILL sent you for a blood test, x-ray, or other test, how often did someone from the office follow up to give you test results? Would you say never, sometimes, usually, or always?

- NEVER 1
- SOMETIMES 2
- USUALLY 3
- ALWAYS 4

- DON'T KNOW d
- REFUSED r

>test IT7< [IF USCVISIT2>=1, GO TO IT7; **else go test e10**]

>IT7< Doctors [USCFILL2] may use computers or handheld devices during an office visit to do things like look up your information or order prescription medicines. In the last 12 months, did USCFILL use a computer or handheld device during any of your visits? CAHPS HIT FIELD TEST #39

YES..... 1
NO 0 [goto test e10]

DON'T KNOW d [goto test e10]
REFUSED r [goto test e10]

>IT8< During your visits in the last 12 months, did USCFILL ever use a computer or handheld device to look up test results or other information about you? CAHPS HIT FIELD TEST #40

YES..... 1
NO 0

DON'T KNOW d
REFUSED r

>IT9< During your visits in the last 12 months, did USCFILL ever use a computer or handheld device to show you information? CAHPS HIT FIELD TEST #41

YES..... 1
NO 0

DON'T KNOW d
REFUSED r

>IT10< In the last 12 months, did USCFILL ever use a computer or a handheld device to order your prescription medicines? CAHPS HIT FIELD TEST #42

YES..... 1
NO 0

DON'T KNOW d
REFUSED r

>IT 11<

During your visits in the last 12 months, was the use of a computer or handheld device by USCFILL definitely helpful to you, somewhat helpful to you, or not at all helpful to you? CAHPS HIT FIELD TEST #43

DEFINITELY HELPFUL 1
SOMEWHAT HELPFUL 2
NOT AT ALL HELPFUL..... 3

DON'T KNOW d
REFUSED r

NOTE:

Question deleted from CTS4
d141, d151, d161, d171, sn6, d311, d321, d331, d341, d351, d361

QUALITY OF CARE

THIS SECTION WILL BE COMPLETED FOR INFORMANT AND CHILD AND (EXCEPT FOR FAMILY LEVEL QUESTIONS) IS INCLUDED IN SELF-RESPONSE MODULE FOR OTHER ADULTS.

>test e10< [IF FAMILY HAS HAD ANY PROVIDER, OR HOSPITAL VISITS IN LAST 12 MONTHS (c101 = 1, or c211 = 1, or 1 ≤ c311 ≤ 96, or 1 ≤ c321 ≤ 5, or 1 ≤ c331 ≤ 96, or 1 ≤ c341 ≤ 5) goto e101, ELSE goto e12]

>eSAT< The next questions are about your satisfaction with health care.

ENTER <g> TO CONTINUE ====>

>e101< All things considered, are you satisfied **or** dissatisfied with [(the health care you have received/the health care you and your family have received)] **during the last 12 months?**

PROBE: If you did not receive services that you felt you needed, please consider that too.

SATISFIED 1 [goto e111]
DISSATISFIED 2 [goto e111]
NEITHER SATISFIED NOR DISSATISFIED 3

DON'T KNOW d
REFUSED r
====> [goto e121]

>e111< Would that be very (dis)satisfied or somewhat (dis)satisfied?

VERY 1
SOMEWHAT 2

DON'T KNOW d
REFUSED r
====>

>e12< Now I would like to ask you about satisfaction with your **choice** of doctors.

First, primary care doctors, such as family doctors, [pediatricians],¹² or general practitioners, who treat a variety of illnesses and give preventive care.

Are you satisfied or dissatisfied with the **choice** you personally have for primary care doctors?

PROBE: Most people go to a primary care doctor first when they have a sickness or injury they have not had before.

SATISFIED 1 [goto e13]
DISSATISFIED 2 [goto e13]
NEITHER SATISFIED NOR DISSATISFIED 3

DON'T KNOW d
REFUSED r
====> [goto e14new]

>e13< Would that be very (dis)satisfied or somewhat (dis)satisfied?

VERY 1
SOMEWHAT 2

DON'T KNOW d
REFUSED r
====>

>e14new< In the past 12 months, did you or a doctor think you needed to see a specialist?

PROBE: Specialists include such doctors as surgeons, allergists, (obstetricians,) (gynecologists,) orthopedists, cardiologists, and dermatologists. Specialists mainly treat just one type of problem.

YES..... 1 [goto CAHPS12]
NO 0

DON'T KNOW d
REFUSED r
====> [gotoe40]

¹²Exclude for adults.
Household Survey

>CAHPS12< In the last 12 months, did (you/NAME) see a specialist?

YES [go to test CAHPSSP1] 1
NO 0

DON'T KNOW d
REFUSED r
====> [go to e15]

>test CAHPSSP1< [if D121SPEC=2, GO TO CAHPSSP1; else if d101=1 or 3 , go to CAHPSSP2; else, go to e15]

>CAHPSSP1< Was the specialist that you saw most recently your usual doctor or was it a different specialist? (Source: CAHPS, ACES?)

USUAL DOCTOR..... 1 [GO TO e15]
DIFFERENT SPECIALIST 2 [GO TO CAHPSSP2]

DON'T KNOW d [GO TO e15]
REFUSED r [GO TO e15]

====>

>CAHPSSP2< Was this visit to a specialist recommended by your usual doctor, another healthcare provider, or did you decide to see this person on your own? (Source: ACES)

PERSONAL DOCTOR 1
ANOTHER HEALTHCARE PROVIDER 2
SAW ON OWN..... 3

DON'T KNOW d
REFUSED r

====>

>e15< Are you satisfied or dissatisfied with the **choice** you have for specialists?

SATISFIED 1 [goto E15_1]
DISSATISFIED 2 [goto E15_1]
NEITHER SATISFIED NOR DISSATISFIED 3

DON'T KNOW d
REFUSED r
====> [goto test e1512]

>E15_1< Would that be very (dis)satisfied or somewhat (dis)satisfied?

VERY 1
SOMEWHAT 2

DON'T KNOW d
REFUSED r

====>

>test e1512< ifd121spec=1 and CAHPS12 eq 1, go to e1512;else go to e40

>e1512< In the last 12 months, how often did your usual doctor seem informed and up-to-date about the care you got from specialists? Source: CAHPS

NEVER 1
ALMOST NEVER 2
SOMETIMES 3
USUALLY 4
ALMOST ALWAYS 5
ALWAYS 6
NO USUAL DOCTOR 7
MY SPECIALIST IS MY USUAL DOCTOR 8

DON'T KNOW d
REFUSED r

Test: IF RESPONSE IS REFUSED, NO USUAL DOCTOR, OR SPECIALIST IS MY USUAL DOCTOR, GO TOe40; ELSE CONTINUE WITH e1513

>e1513< After going to the specialist, did your usual doctor talk with you about what happened at the visit (with the specialist)? (Source: Starfield, Primary Care Assessment Tool)

YES 1
NO 0

DON'T KNOW d
REFUSED r

>e40< Now, I have a question about your health

In general, would you say your health is:

- Excellent 1
 - Very Good..... 2
 - Good..... 3
 - Fair or 4
 - Poor 5

 - DON'T KNOW d
 - REFUSED..... r
- ===>

ADULT CHRONIC CONDITIONS FOR FIU INFORMANT.

> HRB< **START OF HEALTH**

RESPONDENT IS NAME

ENTER <g> TO CONTINUE

>cc3@b< Has a doctor or health professional ever told you that you had diabetes or high blood sugar?

- YES..... 1 [goto cc3@bb]
- NO 0

- DON'T KNOW d
- REFUSED..... r

>cc3@bb< **IF YES:** During the past two years, have you seen a doctor or other health care professional for diabetes or high blood sugar?

- YES..... 1
- NO 0

- DON'T KNOW d
- REFUSED..... r

>cc3@c< Has a doctor or health professional ever told you that you had arthritis?

- YES..... 1 [goto cc3@cb]
- NO 0

- DON'T KNOW d
- REFUSED..... r

>cc3@cb< **IF YES:** During the past two years, have you seen a doctor or other health care professional for arthritis?

YES..... 1
NO 0

DON'T KNOW d
REFUSED..... r

>cc3@d< Has a doctor or health professional ever told you that you had asthma?

YES..... 1 [goto cc3@db]
NO 0

DON'T KNOW d
REFUSED..... r

>cc3@db< **IF YES:** During the past two years, have you seen a doctor or other health care professional for asthma?

YES..... 1
NO 0

DON'T KNOW d
REFUSED..... r

>cc3_2@e< Has a doctor or health professional ever told you that you had chronic obstructive pulmonary disease?

YES..... 1 [goto cc3_2@eb]
NO 0

DON'T KNOW d
REFUSED..... r

>cc3_2@eb< **IF YES:** During the past two years, have you seen a doctor or other health care professional for chronic obstructive pulmonary disease?

YES..... 1
NO 0

DON'T KNOW d
REFUSED..... r

>cc3_2@g< Has a doctor or health professional ever told you that you had hypertension or high blood pressure?

YES..... 1 [goto cc3_2@gb]
NO 0

DON'T KNOW d
REFUSED..... r

>cc3_2@gb< **IF YES:** During the past two years, have you seen a doctor or other health care professional for hypertension or high blood pressure?

YES..... 1
NO 0

DON'T KNOW d
REFUSED..... r

>cc3_2@i< Has a doctor or health professional ever told you that you had coronary heart disease (INCLUDES ANGINA, ATRIAL FIBRILLATION, CONGESTIVE HEART FAILURE, BYPASS SURGERY, ANGIOPLASTY, HEART DISEASE, MI)?

YES..... 1 [goto cc3_2@ib]
NO 0

DON'T KNOW d
REFUSED..... r

>cc3_2@ib< **IF YES:** During the past two years, have you seen a doctor or other health care professional for coronary heart disease?

YES..... 1
NO 0

DON'T KNOW d
REFUSED..... r

>cc5@c< Has a doctor or health professional ever told you that you had skin cancer?
YES..... 1 [goto cc5@cb]
NO 0
DON'T KNOW d
REFUSED r

>cc5@cb< **IF YES:** During the past two years, have you seen a doctor or other health care professional for skin cancer?
YES..... 1
NO 0
DON'T KNOW d
REFUSED r

>cc5@h< Has a doctor or health professional ever told you that you had cancer other than skin cancer?
YES..... 1 [goto cc5@hb]
NO 0
DON'T KNOW d
REFUSED r

>cc5@hb< **IF YES:** During the past two years, have you seen a doctor or other health care professional for that cancer?
YES..... 1
NO 0
DON'T KNOW d
REFUSED r

>cc5f4< **IF FEMALE or MALE AGE 50 OR UNDER GOTO cc6e. IF MALE AGE OVER 50:** Has a doctor or health professional ever told you that you had a benign prostate disease or a large prostate that was not prostate cancer?

YES..... 1 [goto cc5@f4b]
NO 0

DON'T KNOW d
REFUSED..... r

>cc5@f4b< **IF YES:** During the past two years, have you seen a doctor or other health professional for benign prostate disease?

YES..... 1
NO 0

DON'T KNOW d
REFUSED..... r

>cc6@e< Has a doctor or health professional ever told you that you had depression?

YES..... 1 [goto cc6@eb]
NO 0

DON'T KNOW d
REFUSED..... r

>cc6@eb< **IF YES:** During the past two years, have you seen a doctor or other health care professional for depression?

YES..... 1
NO 0

DON'T KNOW d
REFUSED..... r

>cc7< During the past two years, have you seen a doctor or other health care professional for any serious medical problem, that is one that limits your ability to do your usual activities?

YES..... 1
NO 0

DON'T KNOW d
REFUSED..... r
==>

CARE COORDINATION

>testccq< [if seen a doctor during the past two years for, diabetes, arthritis, asthma, COPD, hypertension, CHD, skin cancer, other cancer, benign prostate disease, or depression, go to CCQ1, ELSE GO TO CE2]

CCQ1. Do you see only one doctor or more than one doctor for treatment of [INSERT PATIENT'S CHRONIC DISEASE(S)]?

ONE 1 [goto CE3]
MORE THAN ONE 2 [goto CCQ2]

DON'T KNOW d [goto CE3]
REFUSED r [goto CE3]

CCQ2. Which of the following statements best describes how well the different doctors you see for [INSERT PATIENT'S CHRONIC CONDITION(S)] coordinate your care? By care coordination, we mean how well do your doctors work together to manage your health care.

My care is not coordinated at all 1
My care is coordinated some of the time 2
My care is coordinated most of the time 3
My care is coordinated all of the time 4

DON'T KNOW d
REFUSED r

CONSUMER ENGAGEMENT

CE3. Next, I will read some statements that people sometimes make when they talk about their health care. Please tell me whether you strongly agree, somewhat agree, somewhat disagree, or strongly disagree with each statement as it applies to you personally. The first statement is ... (Source: parts a. and b. adapted from the 2009 MCBS Satisfaction with Care; parts c. and d. from MEPS-HC.

RANDOMIZE

a. Usually, you go to the doctor as soon as you start to feel bad.

- Strongly agree..... 1
- Somewhat disagree 2
- Somewhat disagree 3
- Strongly disagree 4
- DON'T KNOW d
- REFUSED r

b. You will do just about anything to avoid going to the doctor.

- Strongly agree..... 1
- Somewhat disagree 2
- Somewhat disagree 3
- Strongly disagree 4
- DON'T KNOW d
- REFUSED r

c. I'm healthy enough that I really don't need health insurance.

- Strongly agree..... 1
- Somewhat disagree 2
- Somewhat disagree 3
- Strongly disagree 4
- DON'T KNOW d
- REFUSED r

d. Health insurance is not worth the money that it costs.

- Strongly agree..... 1
- Somewhat disagree 2
- Somewhat disagree 3
- Strongly disagree 4
- DON'T KNOW d
- REFUSED r

Consumer Information Seeking

>CI1< During the past 12 months, did you look for or get information about a **PERSONAL** health concern:

RANDOMIZE ORDER OF a-e AND CODE ALL THAT APPLY

- a. On the internet
YES..... 1
NO 0

DON'T KNOW d
REFUSED r

- b. From friends or relatives
YES..... 1
NO 0

DON'T KNOW d
REFUSED r

- c. From TV or radio
YES..... 1
NO 0

DON'T KNOW d
REFUSED r

- d. From hard copy newspapers, books or magazines
YES..... 1
NO 0

DON'T KNOW d
REFUSED r

- e. From somewhere else other than a personal doctor

YES [RECORD TEXT IN SPECIFY FIELD]..... 1
NO 0

DON'T KNOW d
REFUSED r

IF YES TO ANY, GO TO CI2; ELSE GO TO CI3

>CI2< If yes to any option in CI1) Did the health information you obtained in the past 12 months from any of these sources affect...? (Source: modified Pew Internet and American Life Project, August 2009) ROTATE ITEMS A-G

RESPONSE CATEGORIES: YES, NO, DON'T KNOW, REFUSAL

- a. your understanding about how to treat an illness or condition
- b. your overall approach to maintaining your health
- c. the way you cope with a chronic condition or manage pain
- d. a decision about whether to see a doctor
- e. whether you asked a doctor a question
- f. a decision to seek a second opinion from another doctor
- g. your approach to diet, exercise, or stress management

>C13<

During the past 12 months, did you look for or get information about a health concern for someone else, such as a friend or family member:

RANDOMIZE ORDER OF a-e AND CODE ALL THAT APPLY

- a. On the internet
YES..... 1
NO 0

DON'T KNOW d
REFUSED r

- b. From friends or relatives
YES..... 1
NO 0

DON'T KNOW d
REFUSED r

- c. From TV or radio
YES..... 1
NO 0

DON'T KNOW d
REFUSED r

- d. From hard copy newspapers, books or magazines
YES..... 1
NO 0

DON'T KNOW d
REFUSED r

- e. From somewhere else other than a personal doctor
YES [RECORD TEXT IN SPECIFY FIELD]..... 1
NO 0

DON'T KNOW d
REFUSED r

test CI7 [if CI1a=1 or CI3a=1 go to CI7, else go to CS1]

>CI7< During the past 12 months, about how often did you go on-line to look for personal health information? Would you say less than five times, five to nine times, or ten or more times?

- LESS THAN 5 TIMES 1
- 5 TO 9 TIMES 2
- 10 OR MORE TIMES 3

- DON'T KNOW d
- REFUSED r

>CI8< How useful was the health information you found on-line? Would you say not at all useful, a little useful, somewhat useful, or very useful?

- NOT AT ALL USEFUL 1
- A LITTLE USEFUL 2
- SOMEWHAT USEFUL 3
- VERY USEFUL 4

- DON'T KNOW d
- REFUSED r

CONSUMER SHOPPING

>CS1< A personal doctor is the health provider you see most often and who knows you best. During the past 12 months did you look for a new personal doctor?

- YES 1
- NO 0 [goto testCS9]

- DON'T KNOW d [goto testCS9]
- REFUSED r [goto testCS9]

>CS2< Did you find a personal doctor?

- YES 1
- NO 0 [goto testCS9]

- DON'T KNOW d [goto testCS9]
- REFUSED r [goto testCS9]

>CS3< Which of the following sources did you use in looking for a new personal doctor?

- a. Recommendation of another doctor or health care provider
- b. Information from your health insurance plan
- c. Books, magazines or newspapers
- d. Friends or relatives
- e. TV or radio
- f. The Internet
- g. Anything else [SPECIFY]

(1) YES (0) NO (d) DON'T KNOW (r) REFUSED

IF NO SOURCES MENTIONED, GO TO CS8

>CS4< Did any of the sources you used provide information that compared the cost of care charged by different doctors?

YES..... 1
NO 0 [goto CS6]

DON'T KNOW d [goto CS6]
REFUSED r [goto CS6]

>CS5< Did you use this information in choosing a personal doctor?

YES..... 1
NO 0

DON'T KNOW d
REFUSED r

>CS6< Did any of the sources you used provide information that compared the quality and performance of different doctors?

YES..... 1
NO 0 [goto CS8]

DON'T KNOW d [goto CS8]
REFUSED r [goto CS8]

>CS7< Did you use this information in choosing a personal doctor?

- YES..... 1
- NO 0
- DON'T KNOW d
- REFUSED..... r

>CS8< I am going to read several factors some people consider in choosing a doctor. For each one, please tell me if it was a major factor, minor factor, or not a factor in choosing a personal doctor.

- a. The cost of care
- b. The recommendation of another doctor
- c. The reputation of the personal doctor providing the care
- d. Short wait time for appointments
- e. Location of the personal doctor's practice
- f. The doctor is in my health plan's provider network
- g. Anything else (SPECIFY)

(1) MAJOR FACTOR (2) MINOR FACTOR (3) NOT A FACTOR (d) DK (r) REFUSED

>testcs9< [if CAHPS12=1, GO TO CS9; ELSE GO TO CS20]

>CS9< You mentioned earlier that you have seen a specialist. During the past 12 months, have you seen only one specialist or more than one specialist?

- ONE 1
- MORE THAN ONE 2
- DID NOT SEE A SPECIALIST 0 [goto CS20]
- DON'T KNOW d
- REFUSED..... r

>CS10< (IF MORE THAN ONE, READ: Please think about the last specialist you saw.) Did you first see this specialist during the last 12 months or did you first see this specialist more than 12 months ago?

- MORE THAN 12 MONTHS AGO 1 [goto CS20]
- LESS THAN 12 MONTHS AGO 2
- DON'T KNOW d
- REFUSED..... r

>CS11< Did your personal doctor refer you to this specialist or did you find this specialist in some other way?

- REFERRED BY DOCTOR 1
- SOME OTHER WAY 2 [goto CS14]

- DON'T KNOW d [goto CS14]
- REFUSED r [goto CS14]

IF REFERRED

>CS12< Did your personal doctor give you a choice of specialists or recommend only one specialist?

- CHOICE 1
- ONLY ONE 2

- DON'T KNOW d
- REFUSED r

>CS13< Besides the referral from your personal doctor, did you use any other sources of information in looking for the specialist?

- YES, USED OTHER SOURCES 1
- NO, ONLY DOCTOR REFERRAL 2 [goto TESTCS19]

- DON'T KNOW d [goto TESTCS19]
- REFUSED r [goto TESTCS19]

>CS14< Did you use any of the following sources in looking for the specialist?

- a. Recommendation of a doctor or health care provider who is not your personal doctor
- b. Information from your health insurance plan
- c. Books, magazines or newspapers
- d. Friends or relatives
- e. TV or radio
- f. The Internet
- g. Anything else [SPECIFY]

(1) YES (0) NO (d) DON'T KNOW (r) REFUSED

IF ANY SOURCES CODED YES, GO TO CS15; ELSE GO TO TESTCS19

>CS15< Did any of the sources you used provide information that compared the cost of care charged by different doctors?

YES..... 1
NO 0 [goto CS17]

DON'T KNOW d [goto CS17]
REFUSED r [goto CS17]

>CS16< Did you use this information in choosing a specialist?

YES..... 1
NO 0

DON'T KNOW d
REFUSED r

>CS17< Did any of the sources you used provide information that compared the quality and performance of different doctors?

YES..... 1
NO 0 [goto TESTCS19]

DON'T KNOW d [goto TESTCS19]
REFUSED r [goto TESTCS19]

>CS18< Did you use this information in choosing a specialist?

YES..... 1
NO 0

DON'T KNOW d
REFUSED r

TESTCS19 IF CS12=1 OR CS11=2, GO TO CS19;ELSE GO TO CS20

>CS19< I am going to read several factors some people consider in choosing a doctor. For each one, please tell me if it was a major factor, minor factor, or not a factor in choosing this specialist.

- a. The cost of medical care and treatment
- b. The recommendation of your personal doctor (**SKIP IF NO REFERRAL**)
- c. The reputation of the specialist
- d. Short wait time for an appointment
- e. Location of the specialist's practice
- f. The specialist is in my health plan's provider network
- g. Anything else (SPECIFY)

(1) MAJOR FACTOR (2) MINOR FACTOR (3) NOT A FACTOR (d) DK (r) REFUSED

>CS20< In the past 12 months, have you had any type of surgical or non-surgical procedure?

PROBE: Do not include routine blood work, X-rays, or mammograms.

PROBE: By non-surgical procedure, we mean things like a biopsy, colonoscopy, MRI, etc.

INTERVIEWER: IF IN DOUBT, INCLUDE THE PROCEDURE. OUR GOAL IS TO BE AS BROAD AS POSSIBLE, IN DEFINING PROCEDURES.

YES..... 1
NO 0 [goto TESTe12c]

DON'T KNOW d [goto TESTe12c]
REFUSED r [goto TESTe12c]

>CS21< If you had more than one procedure in the last 12 months, please think about the last procedure you had. Was the procedure performed in a hospital, a clinic, a doctor's office, or somewhere else?

HOSPITAL 1
CLINIC 2
DOCTOR'S OFFICE 3
SOMEWHERE ELSE (SPECIFY)..... 4

DON'T KNOW d
REFUSED r

>CS22< Was the first time you had a procedure performed at this INSERT PLACE during the last 12 months or more than 12 months ago?

MORE THAN 12 MONTHS AGO 1 [goto TESTe12c]
LESS THAN 12 MONTHS AGO 2

DON'T KNOW d
REFUSED r

>CS23< Was the INSERT PLACE recommended by the doctor ordering the procedure or did you choose the place some other way?

RECOMMENDED BY DOCTOR 1
SOME OTHER WAY 2 [goto CS26]

DON'T KNOW d [goto CS26]
REFUSED r [goto CS26]

IF RECOMMENDED BY DOCTOR

>CS24< Did your doctor give you a choice of places to have the procedure or recommend only this one place?

CHOICE 1
ONLY ONE 2

DON'T KNOW d
REFUSED r

IF RECOMMENDED BY DOCTOR

>CS25< Besides your doctor's recommendation, did you use any other sources of information in looking for a place to have the procedure?

YES 1
NO 0 [goto TESTCS31]

DON'T KNOW d [goto TESTCS31]
REFUSED r [goto TESTCS31]

>CS26< Which of the following sources did you use in looking for the INSERT PLACE where you had the procedure?

- a. Recommendation from a doctor or other health care provider other than the one performing the procedure
- b. Information from your health insurance plan
- c. Books, magazines or newspapers
- d. Friends or relatives
- e. TV or radio
- f. The Internet
- g. Anything else [SPECIFY]

(1) YES (0) NO (d) DON'T KNOW (r) REFUSED

IF NO SOURCES MENTIONED, GO TO TESTCS31

>CS27< Did any of the sources you used provide information that compared how much different local INSERT PLACES are paid for similar services?

YES..... 1
 NO 0 [goto CS29]

DON'T KNOW d [goto CS29]
 REFUSED..... r [goto CS29]

>CS28< Did you use information from these reports in choosing a place to have the procedure?

YES..... 1
 NO 0

DON'T KNOW d
 REFUSED..... r

>CS29< Did any of the sources you used provide information that compared the quality and performance of local INSERT PLACES?

YES..... 1
 NO 0 [goto TESTCS31]

DON'T KNOW d [goto TESTCS31]
 REFUSED..... r [goto TESTCS31]

>CS30< Did you use information from these reports in choosing a place to have the procedure?

YES..... 1
NO 0

DON'T KNOW d
REFUSED..... r

TESTCS31 IF CS24 =1 OR CS23=2, GO TO CS31, ELSE GO TO test e12c

>CS31< I am going to read several factors that some people consider in choosing a place to have a procedure. For each one, please tell me if it was a major factor, minor factor, or not a factor in choosing this place to have your procedure.

- a. The cost of medical care and treatment
- b. The reputation of the INSERT PLACE
- c. Your doctor's recommendation
- d. Short wait time for an appointment
- e. Location of the INSERT PLACE
- f. The INSERT PLACE is in my health plan's provider network
- g. Anything else (SPECIFY)

(1) MAJOR FACTOR (2) MINOR FACTOR (3) NOT A FACTOR (d) DK (r) REFUSED

>test e12c< [IF FAMILY HAS CHILD GOTO kd101, ELSE goto test e801]

>kd101< Next, is there a place that you **usually** go to when [fill CHILD'S NAME] is sick or you need advice about (his/her) health?

PROBE: IF R. IS UNSURE IF ONE PLACE OR MORE THAN ONE PLACE: If [fill CHILD'S NAME] is sick or you need advice about (his/her) health, do you go to one place or more than one place?

YES..... 1 [goto kd111]
NO, THERE IS NO PLACE 0 [goto krx1]
NO, THERE IS MORE THAN ONE PLACE 3 [goto kd111]

DON'T KNOW d [goto krx1]
REFUSED..... r [goto krx1]

==>

>kd111< If (kd101 = 1) then read:
What kind of place is it--a doctor's office, an HMO, a hospital outpatient clinic,
some other clinic or health center, an emergency room, or some other place?

Else (d101 = 3) read:
What kind of place do you take [fill CHILD'S NAME] to most often--a doctor's
office, an HMO, a hospital outpatient clinic, some other clinic or health center, an
emergency room, or some other place?

DOCTOR'S OFFICE 1
HMO 2
HOSPITAL OUTPATIENT CLINIC 3
OTHER CLINIC OR HEALTH CENTER 4
HOSPITAL EMERGENCY ROOM 5
SOME OTHER PLACE 6

DON'T KNOW d
REFUSED r
==>

>ksn1< IF UNINSURED: At this place, do you pay full price for medical care or do
you pay a lower amount based on what you can afford to pay?

FULL PRICE 0
LOWER AMOUNT 1

DON'T KNOW d
REFUSED r
==>

>kd121time< How long have you been going to this place?

Less than 6 months 1
At least 6 months but less than 1 year 2
At least 1 year but less than 3 years 3
At least 3 years but less than 5 years 4
5 years or more 5

DON'T KNOW d
REFUSED r

>test< If c311 equals 0 and c331 equals 0 go to d121; else if (d111, kd111, d111_sr2) equals 5
(emergency room) then skip to (d121, kd121, d121_sr2). Skip questions CAHPS5 through IT5
when the usual place of care is the emergency room or if respondent has no visits with doctors or
other medical professionals in the last 12 months.

>kCAHPS5< In the last 12 months, not counting the times [fill CHILD'S NAME] needed care right away, did you make any appointments for [fill CHILD'S NAME]'s health care at this place?

YES..... 1 [goto
kE261R5@day]
NO 0
DON'T KNOW d
REFUSED..... r
==> [go to kACCESS1)

>kE261R5@day< Thinking of the last time you made an appointment at this place, how long did you have to wait between the time you made the appointment and the day [fill CHILD'S NAME] actually saw a doctor or other health care provider?

INTERVIEWER: (1) CODE "0" FOR SAME DAY.

(2) ACCEPT MOST CONVENIENT TIME PERIOD.

___ (0-31) DAYS OR ___ (1-20) WEEKS OR ___ (1-5) MONTHS

DON'T KNOW d
REFUSED..... r

>kACCESS1< Does this place have office hours at night or on the weekends? FROM MEPS ACCESS TO CARE SUPPLEMENT

YES 1
NO 0
DON'T KNOW d
REFUSED..... r
==>

>kACCESS2< In the past 12 months, have you tried to contact this place after their regular hours for an urgent medical need for [fill CHILD'S NAME]?

YES [go to kACCESS3]..... 1
NO 0
DON'T KNOW d
REFUSED..... r
==> [GO TO kIT3]

>kACCESS3< How difficult is it to contact a doctor or other health care provider at this place after their regular hours in case of urgent medical needs- very difficult, somewhat difficult, not too difficult, or not at all difficult? MEPS ACCESS TO CARE SUPPLEMENT MODIFIED

- VERY DIFFICULT 1
- SOMEWHAT DIFFICULT 2
- NOT TOO DIFFICULT..... 3
- NOT AT ALL DIFFICULT 4

- DON'T KNOW d
- REFUSED..... r

>kIT 3< As far as you know, can you ask a medical question at this place by e-mail or by visiting its web site?

- YES..... 1
 - NO 0

 - DON'T KNOW d
 - REFUSED..... r
- ==>

>testk IT4< [if IT1=1 and kIT3=1 go to kIT4; else go to kd121]

>kIT4< In the last 12 months, did you e-mail this place or visit its web site with a medical question about [fill CHILD'S NAME]? CAHPS HIT FIELD TEST #18

- YES [go to kIT5] 1
 - NO 0

 - DON'T KNOW d
 - REFUSED..... r
- ==> [to go kd121]

>kIT5< In the last 12 months, when you e-mailed this place or visited its website, how often did you get an answer to your medical question as soon as you needed- never, sometimes, usually, or always? CAHPS H IT FIELD TEST #19

- NEVER 1
- SOMETIMES 2
- USUALLY..... 3
- ALWAYS..... 4

- DON'T KNOW d
- REFUSED..... r

kd121 Add an intro sentence.

>kd121<

The next questions ask about doctors and other health professionals (FILL CHILD'S NAME) may see at the (FILL PLACE FROM d111) you usually go to when (he/she) is sick or you need advice about (his/her) health."

When you go to this place, does [fill CHILD'S NAME] usually see a doctor, a nurse, or some other type of health professional?

INSTRUCTION: IF R. SAYS DOCTOR AND NURSE, CODE DOCTOR.

DOCTOR	1	[goto kd121spec]
NURSE	2	[goto kd131]
OTHER [SPECIFY]	3	[goto kd131]

DON'T KNOW	d	[goto krx1]
REFUSED	r	[goto krx1]

==>

>kd121spec<

Primary care doctors, such as general or family doctors, general internists, or pediatricians, treat a variety of illnesses and give preventive care. Specialists are doctors like surgeons, heart doctors, and others who specialize in one area of health care.

Is the doctor [fill CHILD'S NAME] usually sees a primary care doctor or a specialist?

INTERVIEWER INSTRUCTION: GENERAL INTERNISTS ARE PRIMARY CARE DOCTORS; INTERNISTS WHO SUBSEQUENTLY SPECIALIZE IN A PARTICULAR AREA OF CARE ARE SPECIALISTS.

PRIMARY DOCTOR	1
SPECIALIST	2

DON'T KNOW	d
REFUSED	r

==>

>kd131< Does [fill CHILD'S NAME] usually see the same (doctor/nurse/provider) each time (he/she) goes there?

YES..... 1
NO 0

DON'T KNOW d
REFUSED r
====>

>krx1< During the last 12 months, did [fill CHILD'S NAME] take any prescription medicines?

YES..... 1
NO 0

DON'T KNOW d
REFUSED r
====>

>ktestusc< If c311 >0 and c331 > 0 and if kd101= 1 or 3 go to USCFILL; else go to k12 (NEXT SECTION IF R. HAS NO VISITS TO MEDICAL PROVIDERS IN LAST 12 MONTHS OR NO USC)

kUSCFILL: If kd121=1 and kd131=1, then kUSCFILL = "[fill CHILD'S NAME] 's usual doctor"; else, USCFILL= "a doctor or other health care provider"

kUSCFILL2: If kUSCFILL= "a doctor or other health care provider THEN kUSCFILL2= "or other health care providers"; else kUSCFILL2= BLANK

USCFILL change fill and add an introduction when the usual source of care isn't a doctor and the same doctor isn't seen every time (d121 ne 1 and d131 ne 1).
fill - "a doctor or other health care provider"

>ktest rx1< [if krx1=1, go to krx2; else go to Kuscvisit2]

Introduction - "For the next questions, please think about doctors and other health care providers you see at the (FILL PLACE FROM d111) you usually go to when you are sick or need advice about your health."

>krx2<

In the past 12 months, did KUSCFILL talk with you about all of the different prescription medicines [fill CHILD'S NAME] is using, including medicines prescribed by other doctors?

- YES..... 1
- NO 0

- DON'T KNOW d
- REFUSED..... r

>kUSCVISIT2< In the last 12 months, how many times did you visit kUSCFILL to get care for (him/her) [CAHPS 4.0 HEALTH PLAN SURVEY, #10]?

- NONE 1
- 1 TIME 2
- 2-4 TIMES 3
- 5-9 TIMES 4
- 10 OR MORE TIMES 5

- DON'T KNOW d
- REFUSED r

==>

>kmedtest1< In the last 12 months, did kUSCFILL send (him/her) for a blood test, x-ray, or other test?

- YES [go to kmedtest2] 1
- NO 0

- DON'T KNOW d
- REFUSED r

==>[go to ktest IT7]

>kmedtest2< Did [fill CHILD'S NAME] get any tests or x-rays that kUSCFILL ordered?

- YES [go to kmedtest3] 1
- NO 0

- DON'T KNOW d
- REFUSED r

====> ====>[go to test kIT7]

>kmedtest3< In the last 12 months, when kUSCFILL sent (him/her) for a blood test, x-ray, or other test, how often did someone from the office follow up to give you test results? Would you say never, sometimes, usually, or always?

- NEVER 1
- SOMETIMES 2
- USUALLY 3
- ALWAYS 4

- DON'T KNOW d
- REFUSED r

>test kIT7< [IF kUSCVISIT2>=1, GO TO kIT7; **else go k12**]

>kIT7< Doctors [fill kUSCFILL2] may use computers or handheld devices during an office visit to do things like look up your information or order prescription medicines. During [fill CHILD'S NAME]'s visits in the last 12 months, did kUSCFILL use a computer or handheld device? CAHPS HIT FIELD TEST #39

YES..... 1
NO 0 [goto k12]

DON'T KNOW d [goto k12]
REFUSED..... r [goto k12]

>kIT8< During [fill CHILD'S NAME]'s visits in the last 12 months, did kUSCFILL ever use a computer or handheld device to look up test results or other information about (him/her)? CAHPS HIT FIELD TEST #40

YES..... 1
NO 0

DON'T KNOW d
REFUSED..... r

>kIT9< During [fill CHILD'S NAME]'s visits in the last 12 months, did kUSCFILL ever use a computer or handheld device to show you information? CAHPS HIT FIELD TEST #41

YES..... 1
NO 0

DON'T KNOW d
REFUSED..... r

>kIT10< In the last 12 months, did kUSCFILL ever use a computer or a handheld device to order (his/her) prescription medicines? CAHPS HIT FIELD TEST #42

YES..... 1
NO 0

DON'T KNOW d
REFUSED..... r

>kIT 11< During [fill CHILD'S NAME]'s visits in the last 12 months, was the use of a computer or handheld device by kUSCFILL definitely helpful to you, somewhat helpful to you, or not at all helpful to you? CAHPS HIT FIELD TEST #43 MODIFIED

- DEFINITELY HELPFUL 1
- SOMEWHAT HELPFUL 2
- NOT AT ALL HELPFUL..... 3

- DON'T KNOW d
- REFUSED r

>k12< Next, I would like to ask you about satisfaction with your **choice** of doctors for [fill CHILD'S NAME].

First primary care doctors, such as pediatricians, family doctors, or general practitioners, who treat a variety of illnesses and give preventive care.

Are you satisfied or dissatisfied with your **choice** of primary care doctors for [fill CHILD'S NAME]?

PROBE: Most people go to a primary care doctor first when they have a sickness or injury they have not had before.

- SATISFIED 1 [goto k13]
- DISSATISFIED 2 [goto k13]
- NEITHER SATISFIED NOR DISSATISFIED 3

- DON'T KNOW d
- REFUSED r
- ====> [goto k14new]

>k13< Would that be very (dis)satisfied or somewhat (dis)satisfied?

- VERY 1
- SOMEWHAT 2

- DON'T KNOW d
- REFUSED r
- ====>

>k14new< During the past 12 months, did you or a doctor think [fill CHILD'S NAME] needed to see a specialist?

PROBE: Specialists include such doctors as surgeons, allergists, (obstetricians,) (gynecologists,) orthopedists, cardiologists, and dermatologists? Specialists mainly treat just one type of problem.

YES..... 1 [goto kCAHPS12]
NO 0

DON'T KNOW d
REFUSED r
====> [gotok40]

>kCAHPS12< In the last 12 months, did (fill CHILD'S NAME) see a specialist?

YES [go to test kCAHPS12] 1
NO 0

DON'T KNOW d
REFUSED r
====> [go to k15]

>test Kcahps12< [if kd121SPEC=2, GO TO kCAHPSSP1; ELSE if kd101=1 or 3 , goto kCAHPSSP2; else , go to k15

>kCAHPSSP1< Was the specialist that (fill CHILD'S NAME) saw most recently (his/her) usual doctor or was it a different specialist? (Source: CAHPS, ACES?)

USUAL DOCTOR [GO TO k15]..... 1
DIFFERENT SPECIALIST [GO TO kCAHPSSP2]..... 2

DON'T KNOW [GO TO k15] d
REFUSED [GO TO k15] r
====>

>kCAHPSSP2< Was this visit to a specialist recommended by (fill CHILD'S NAME) 's usual doctor, another healthcare provider, or did you decide to see this person on your own? (Source: ACES)

PERSONAL DOCTOR 1
ANOTHER HEALTHCARE PROVIDER 2
SAW ON OWN..... 3

DON'T KNOW d
REFUSED r
====>

>k15< Are you satisfied or dissatisfied with your **choice** of specialists for [fill CHILD'S NAME]?

- SATISFIED 1 [goto K15a]
 - DISSATISFIED 2 [goto K15a]
 - NEITHER SATISFIED NOR DISSATISFIED 3

 - DON'T KNOW d
 - REFUSED r
- ====> [goto **test ke1512**]

>K15a< Would that be very (dis)satisfied or somewhat (dis)satisfied?

- VERY 1
 - SOMEWHAT 2

 - DON'T KNOW d
 - REFUSED r
- ====>

>test ke1512< ifdk121spec=1 and kCAHPS12 eq 1, go to ke1512;else go to k40

>ke1512< In the last 12 months, how often did kUSCFILL seem informed and up-to-date about the care (he/she) got from specialists? Source: CAHPS

- NEVER 1
- ALMOST NEVER 2
- SOMETIMES 3
- USUALLY 4
- ALMOST ALWAYS 5
- ALWAYS 6
- NO USUAL DOCTOR 7
- MY SPECIALIST IS MY USUAL DOCTOR 8

- DON'T KNOW d
- REFUSED r

Test: IF RESPONSE IS REFUSED, NO USUAL DOCTOR, OR SPECIALIST IS MY USUAL DOCTOR, GO TO k40; ELSE CONTINUE WITH ke1513

>ke1513< After going to the specialist, did kUSCFILL talk with you about what happened at the visit (with the specialist)? (Source: Starfield, Primary Care Assessment Tool)

YES..... 1
NO 0

DON'T KNOW d
REFUSED r

>k40< In general, would you say [fill CHILD'S NAME]'s health is:

Excellent 1
Very Good..... 2
Good..... 3
Fair..... 4
Poor 5

DON'T KNOW d
REFUSED r

==>

>test e801< **[IF THERE ARE OTHER ADULTS (≥ 18) IN FAMILY BESIDES INFORMANT GOTO e80t; ELSE goto f10]**

>e80t< Now, I have one question about the health of ([fill NAME]/other adults in your family). NOTE: SUBSTITUTE "Other adults in your family" IF TWO OR MORE OTHER ADULTS.

>e802< In general, would you say [fill NAME]'s health is:

Excellent 1
Very Good..... 2
Good..... 3
Fair..... 4
Poor 5

DON'T KNOW d
REFUSED r

==> [REPEAT FOR EACH ADULT; THEN goto f10]

NOTE:

Question deleted from CTS4

CAHPS10, CAHPS23S, CAHPS23, CAHPS37S, CAHPS37, sp14, sp14x,
cahps38, e161, e171, e181, e191, e201, e211, e901, e911, e211, e241, E24a1,
e151, e261, e271, e281, E281, e291, E291, e301, e311, 321, e331, e341, e491,
e511, GSS157, srm1, srm2, srm3, srm4, srm5, srm6, srm7a, srm7b, srm7c, srm8,
srm8a, srm9, srm9a, srm10, scsn1, scsn1a, scsn1b, scsn2, scsn2a, scsn2b,
scsn3, scsn3a, scsn3b, scsn4, scsn4a, scsn4b, scsn5, scsn5a, scsn5b

f. EMPLOYMENT (ASKED FOR EACH ADULT 18 YEARS OF AGE AND OLDER)

>f10< This next series of questions is about jobs and earnings. Answers to these questions are particularly important to our survey because they help explain whether people can afford the health care they need.

==>

>f101< (Next), Do(es) [fill NAME] have a business or farm?

INTERVIEWER: CODE "YES" IF R. SAYS HE/SHE IS SELF-EMPLOYED.

YES..... 1
NO 0

DON'T KNOW d
REFUSED r

==>

>f111< Last week, did [fill NAME] do any work (either) for pay (or profit)?¹³

INTERVIEWER: CODE "YES" IF R. WAS ON VACATION FROM HIS/HER JOB.

YES..... 1 [goto f121]
NO 0

DON'T KNOW d
REFUSED r

>f121< Last week did [fill NAME] have more than one job (or business), including part time, evening, or weekend work?

YES..... 1
NO 0

DON'T KNOW d
REFUSED r

==>

¹³Include parenthetical phrases if f101=1.
Household Survey

>f131< **ONE JOB (F121 = 0):** How many hours per week (do you/do(es) [fill NAME]) usually work at this job?¹⁴

MORE THAN ONE JOB (F121 ne 0): On (your [fill NAME]'s) main job, that is, the job where (he/she/you) work(s) the most hours, how many hours per week (do you/do(es) [fill NAME]) usually work?

PROBE: If (you/[fill NAME]) usually works overtime hours include them.

|__|__| HOURS WORKED
(0-96)
HOURS VARY 97 [goto 13x1]

DON'T KNOW d
REFUSED r
==> [goto test f141]

NOTE: Test will verify values less than 20 hours.

>13x1< (Do you/Does [fill NAME]) usually work more than 35 hours per week or less than 35 hours per week (at this job/at the job where (he/she/you) work(s) the most hours)?

MORE 1
LESS..... 2

DON'T KNOW d
REFUSED..... r
==>

>testf141< **[IF f121 eq <1> goto f141; ELSE goto f201]**

>f141< How many hours per week (do you/do(es) [fill NAME]) usually work at (his/her/your) other jobs?

PROBE: If [fill NAME] worked overtime hours include them.

|__|__| HOURS WORKED AT OTHER JOBS
(0-96)

HOURS VARY/CAN'T ESTIMATE 97

DON'T KNOW d
REFUSED..... r
==>

>f201<

[On (his/her/your) main job], (is/are) [fill NAME/you] employed by a private company, is (is/are) (you/he/she) a federal, state, or local government employee, self-employed, or working without pay in a family business or farm?

INTERVIEWER: CODE NOT-FOR-PROFIT/FOUNDATION AS PRIVATE COMPANY.

NOTE: PARENTHETICAL PHRASE USED IF MORE THAN ONE JOB

PRIVATE COMPANY.....	1
FEDERAL GOVERNMENT.....	2
STATE GOVERNMENT.....	3
LOCAL GOVERNMENT.....	4
SELF-EMPLOYED.....	5
FAMILY BUSINESS OR FARM.....	6

DON'T KNOW
REFUSED
==>

>f211<

[On (your/his/her) main job], about how many people are employed at the location where [fill NAME] work(s)?

PROBES: (1) How many people work for your employer in the building or buildings in the factory, store, or office complex where you work?
(2) Your best estimate is fine.

ONE.....	1
2-4.....	2
5-9.....	3
10-24.....	4
25-49.....	5
50-99.....	6
100-249.....	7
250-499.....	8
500-999.....	9
1000 OR MORE.....	10

DON'T KNOW..... d
REFUSED..... r
==>

>test f221< [IF f201 eq 2, 3, or 4 goto f241] TEST SKIPS f221 FOR GOVERNMENT EMPLOYEES.

>f221< [Does (your\his\her) employer/Do(es) fill NAME] operate in more than one location?

NOTE: Fill is for self-employed and farmers.

YES..... 1 [goto f231]
NO 0

DON'T KNOW d
REFUSED r
====> [goto f241]

>f231< About how many people are employed by (fill NAME/your employer) at all locations?

PROBE: Your best estimate is fine.

ONE 1
2-4..... 2
5-9..... 3
10-24..... 4
25-49..... 5
50-99..... 6
100-249..... 7
250-499..... 8
500-999..... 9
1000 OR MORE 10

DON'T KNOW d
REFUSED r
====>

>f241< What kind of business or industry is this?

PROBE: What do they make or do there?

SPECIFY..... 1

DON'T KNOW d
REFUSED r
====>

>f251< (Are you/Is fill NAME) a member of either a labor union or an employee association like a union? [SIPP, CNTRC]

YES..... 1 [goto f261]
NO 0

DON'T KNOW d
REFUSED r
====> [goto test f351]

>f261< (Are you /Is fill NAME) covered by a union or employee association contract? [SIPP, EMPLOC]

YES..... 1
NO 0

DON'T KNOW d
REFUSED r
====>

>test f351< [IF PERSON IS 18-64 YEARS OF AGE AND NOT SELF EMPLOYED (f201 ne 5 or 6) GO TO f351; ELSE GO TO "LINE BEFORE TEST f401."

>f351< Some people are in temporary jobs that last only for a limited time or until the completion of a project. Is (your/fill NAME) job at your employer temporary? MEPS EM105C

YES-TEMPORARY 1
NO- NOT TEMPORARY 0

DON'T KNOW d
REFUSED r
====>

>f361< Is (your/fill NAME's) job at (your/his/her) employer a year round job or is it only available during certain times of the year? [MEPS 105C]

PROBE: Teachers and other school personnel who work only during the school year should consider themselves to have a year round job.

YES..... 1
NO 0

DON'T KNOW d
REFUSED r
====>

[IF NOT WORKING (f101=0 and f111=0) GO TO NEXT PERSON OR G10.]

>test f401< [IF PERSON IS POLICY HOLDER FOR EMPLOYER-BASED PLAN [PERSON LISTED IN b231 AND b251 = 1] AND HAS MORE THAN ONE JOB [f121=1], goto f401; ELSE goto test f50]

>f401< Is [fill PERSON NAME]'s health insurance with [fill INSURANCE PLAN NAME] from (his/her/your) main job or business?

YES..... 1
NO 0

DON'T KNOW d
REFUSED r
====> goto next person or test f551JL

>test f50< [IF PERSON IS NOT SELF-EMPLOYED (f201 = 1, 2, 3 or 4) AND IS NOT A POLICY HOLDER FOR AN EMPLOYER/UNION BASED PLAN (PERSON NOT LISTED IN b231, OR IF LISTED, b251 □ 1) AND IS LT 65 YEARS OLD, goto f501; ELSE goto NEXT PERSON ORtest f551JL] ¹⁵ The questions for workers who decline own employers' coverage are **not** asked of policy holders.

>f501< Does (your/[fill NAME]'s) employer or union offer a health insurance plan to any of its employees?

INTERVIEWER: THIS QUESTION APPLIES TO [fill NAME'S] LOCATION.

YES..... 1 [goto test f5011]
NO 0

DON'T KNOW d
REFUSED r
====> [goto testNEXT PERSON OR test f551JL]

>TEST5011< [IF f261=1, go to f5011;else go to f511]

>f5011< Is the health insurance plan offered by [fill NAME'S] employer or union?

EMPLOYER FILL EMPLOYER IN FOLLOWING QUESTION 1
UNION... FILL UNION IN FOLLOWING QUESTION 2
BOTH [FILL EMPLOYER IN FOLLOWING QUESTION]..... 3

DON'T KNOW [GO TO NEXT PERSON OR f551JL] d
REFUSED [GO TO NEXT PERSON OR testf551JL] r

¹⁵Skipped self-employed.
Household Survey

>f511< (Are you/Is [fill NAME]) eligible to participate in (his/her/your) (fill union's/employer's)health insurance plan?

YES..... 1 [goto test f521]
NO 0 [goto f531]

DON'T KNOW d [goto NEXT PERSON
OR testf551JL]
REFUSED r [goto NEXT PERSON or
testf551JL]

test f521< [IF PERSON HAS INSURANCE COVERAGE UNDER AN EMPLOYER/UNION
BASED PLAN (NAMED UNDER BIA OR BIC), goto NEXT PERSON OR
testf551JL; ELSE goto f521].

>f521< (Are you/Is [fill NAME]) not participating in (his/her/your) (fill employer's/union's)
health insurance plan because the plan costs too much, because (he/she/you)
do(es) not need health insurance, or for some other reason? (CODE MAIN
REASON.)

COSTS TOO MUCH 1
DON'T NEED HEALTH INSURANCE 2
OTHER (SPECIFY)..... 3

DON'T KNOW d
REFUSED r
====> [goto NEXT PERSON or testf551JL]

>f531< (Are you/Is [fill NAME]) ineligible because (you/he/she) (have/has) not worked
long enough, because (you/he/she) (don't/doesn't) work enough hours, because
(you/he/she) (are/is) on-call, because of medical problems, or for some other
reason? [CODE ONLY ONE]

HAVEN'T WORKED LONG ENOUGH 1
DON'T WORK ENOUGH HOURS..... 2
ON-CALL 3
MEDICAL PROBLEM..... 4
OTHER [SPECIFY] 5

DON'T KNOW d
REFUSED r

====>

>test f551JL< [GO TO f551JL if FIU has employer sponsored health insurance coverage and respondent or spouse is <65 years of age and working (f111=1); else go to g10]

>f551JL< In the past 12 months, did you pass up a job opportunity mainly because you wanted to keep your current health insurance coverage?

YES..... 1
NO 0

DON'T KNOW d
REFUSED r
===>

>test t552JL< [IF CORE RESPONDENT IS MARRIED, GO TO f552JL; else go to g10]

f552JL Fill with gender pronoun for gender of partner. Currently fills based on opposite gender of core respondent.

>f552JL< In the past 12 months, did your (husband/wife) pass up a job opportunity mainly because (he/she) wanted to keep your current health insurance coverage?

YES..... 1
NO 0

DON'T KNOW d
REFUSED r
===>[go to g10]

NOTE: Question deleted from CTS4
f551, f561, f611, f621, f63a1, f63b1

G. FAMILY INCOME

>g10<

The next questions are about income that (your family [insert names if multiple family household]) received during (2009). During (2009), what was your family's total income from all sources, before taxes and other deductions?

NOTE: CHANGE IN YEAR.

PROBES:

- (1) We are asking these questions to find out whether people can afford the health care they need.
- (2) Total income includes wages and salaries from jobs, net income from farms or businesses, interest or dividends, pensions or social security, income from rental property, estates, or trusts, public assistance or welfare, social security, child support, and other sources.
- (3) Your best estimate would be fine.
- (4) Include the (2009) income of all current family members, (including active military), even if you weren't living together then.

NONE 0

\$ |____|____|____|,|____|____|____|
(10 - 999999)

\$1,000,000 OR MORE 7

DON'T KNOW d [goto g11]

REFUSED r

==> [goto test g20]

>g11<

Which of the following income ranges is closest to your family's (2009) total income from all sources?

PROBE: Your best estimate would be fine.

Less than \$5,000..... 1

\$5,000 to less than \$10,000 2

\$10,000 to less than \$20,000 3

\$20,000 to less than \$30,000 4

\$30,000 to less than \$40,000 5

\$40,000 to less than \$50,000 6

\$50,000 to less than \$100,000 7

Over \$100,000 8

DON'T KNOW d

REFUSED r

==>

>test g20< [REPEAT g201-g311 FOR EACH PERSON; HOWEVER, SKIP FOR INFORMANT'S OWN CHILD OR GRANDCHILD.]

>g201< (Do you/Does [fill NAME] consider (yourself/himself/herself) to be of Hispanic origin?

PROBE FOR REFUSALS: I understand that these questions may be sensitive. We are asking these questions to find out whether people can afford the health care they need.

YES..... 1
NO 0

DON'T KNOW d
REFUSED..... r
==> go to g22n1

>g22n1< I'm going to read you a list of five race categories. Please choose one or more races that (you/he/she) consider(s) (yourself/himself/herself) to be.

INTERVIEWER: (1) READ ALL CATEGORIES . CODE UNLISTED, RESPONDENT-OFFERED CATEGORIES IN "OTHER"

PROBE FOR REFUSALS: I understand that these questions may be sensitive. We are asking these questions to help understand different health care problems and needs people have.

PROBE IF R ANSWERS HISPANIC OR LATINO: Would that be white (Hispanic/Latino) black (Hispanic/Latino) or something else?

INTERVIEWER: CODE ALL RACES

White..... 1
African American or Black 2
American Indian or Alaska Native 3
Asian..... 4
Native Hawaiian or other Pacific Islander 5

OTHER [SPECIFY]

DON'T KNOW d
REFUSED..... r

==>

>g301< (Are you/Is he/Is she/Is NAME) a citizen of the United States?

YES..... 1 [goto g311]
 NO 0 [goto g321]

DON'T KNOW d
 REFUSED r
 ==>goto g321

>g311< (Were you/Was he/Was she/Was NAME) born a citizen of the United States or did you become a citizen of the US through naturalization?

BORN 1 [goto NEXT PERSON]
 NATURALIZED 2

DON'T KNOW d
 REFUSED r
 ==>goto g321

>g321< When did (you/NAME) come to live in the United States?

[CODE YEAR OR NUMBER OF YEARS AGO]
 PROGRAMMER: CHECK THAT YEAR OR NUMBER OF YEARS AGO IS NOT BEFORE BIRTH

|_|_|_| YEAR

|_|_|_| NUMBER OF YEARS AGO
 (0-AGE)

DON'T KNOW d
 REFUSED r
 ==>

>test g23< **[IF FAMILY HAS MORE THAN ONE ADULT, goto NEXT PERSON OR g23; ELSE goto test h10]**

>g23< INTERVIEWER: THERE WILL BE A SELF RESPONSE MODULE FOR THIS CASE

<g> CONTINUE
 ==>

h. CLOSING (FIU)

>test h10< [IF DID NOT RECEIVE PRE-PAYMENT, goto h10; IF RECEIVED PRE-PAYMENT AND REINTERVIEW, goto h20; ELSE, goto h30]

>h10< As a token of our appreciation for your help, we would like to send you a check for \$40. Could you please give me your and your full name and address?

PROBE: Your name and address are confidential and will only be used if we call you for another interview.

READ AFTER NAME AND ADDRESS OBTAINED: Your name and address are confidential and will only be used if we call you for another interview. You should receive your check in about 4 weeks.

YES..... 1
NO 0

<Enter First Name>
<Enter Last Name>
<Enter Street Address>
<Enter City/State>
<Enter Zip Code>

DON'T KNOW d
REFUSED r
==>

>test t1< [If CELLPHONE=1 go to T1c]

>T1< Are there any telephone numbers INSIDE your home, other than this one, that (people/you) receive calls on but that are NOT cell phones?

PROBE: Landline phones or those provided through a computer or cable connection.

IF YES: How many additional phone numbers does your household have?

NO ADDITIONAL PHONES 0
<1-4> ADDITIONAL PHONES 1 [goto T2]

DON'T KNOW d
REFUSED r
==> [go to T4]

>T2< (How many of these additional phone numbers are/Is this additional phone number) ONLY used for business purposes or to connect a computer or fax machine?

<0> NO/NONE 0
<1> YES/ONE 1
<2-4> 2-4

DON'T KNOW d
REFUSED r
==>

>T4< Do you (or any other adults in your household) have a working cell phone?

IF YES: How many cell phones do you (and other adults in your household) have?

NO CELL PHONES 0
<1-4> CELL PHONES 1 [goto T5]

DON'T KNOW d
REFUSED r
==> [go to t8_test]

>T5< (How many of these cell phones are/Is this cell phone) ONLY used for business purposes?

NO/NONE 0
YES/ONE 1
<2-4> 2-4

DON'T KNOW d
REFUSED r
===>

>t6_test< [if NOHANDOFF eq <1> OR HADT eq <1> go to t8_test (i.e, if phone was not handed off during interview or if there is only one adult in the household); else go to T6]

>T6< How many adults in the household have a cell phone they receive personal calls on?

<1-8> 1-8

DON'T KNOW d
REFUSED r
===>

>T7< Do you share a cell phone for receiving personal calls with other adults in the household?

PROBE: Do not count if this happens just once in awhile.

YES..... 1
NO 0

DON'T KNOW d
REFUSED r
===>

>t8_test< [if T4 gt <0> go to T8; else go to T9]

>T8< Thinking about all the calls (your household receives/you receive), how many of these calls are received on cell phones? Would you say that ...

all or almost all are received on cell phones 1
some are received on cell phones and some on
regular phones 2
or very few or none are received on cell phones? 3

DON'T KNOW d
REFUSED r
===>

>T9< Not counting cell phones, has your household been without telephone service for two weeks or more during the past 12 months?

YES..... 1 [goto T10]
NO 0

DON'T KNOW d
REFUSED r
==> [go to Iend]

>T10< For how long was your household without telephone service in the past 12 months?

PROBE: Not counting cell phones.

<0-12> MONTHS 1

DON'T KNOW d
REFUSED r
==>

>T11< When your household was without telephone service, did (someone in your household/you) have a working cell phone?

YES..... 1
NO 0

DON'T KNOW d
REFUSED r
==>

>T1c< Are there any telephone numbers INSIDE your home that people receive calls on but that are NOT cell phones?

PROBE: Landline phones or those provided through a computer or cable connection.

IF YES: How many such phone numbers does your household have?

NO ADDITIONAL PHONES 0
<1-4> ADDITIONAL PHONES 1 [goto T2c]

DON'T KNOW d
REFUSED r
==> [goto T4c]

>T2c< (How many of these non-cell phone numbers are/Is this additional phone number) ONLY used for business purposes or to connect a computer or fax machine?

<0> NO/NONE
<1> YES/ONE
<2-4>

<d> DON'T KNOW
<r> REFUSED

>T4c< Not counting this number, how many working cell phones do you and other adults in your household have?

NO CELL PHONES..... 0
<1-4> CELL PHONES 1 [goto T5c]

DON'T KNOW d
REFUSED r
===> [goto t6c_test]

>T5c< (How many of these additional cell phones are/Is this additional cell phone) ONLY used for business purposes?

<0> NO/NONE
<1> YES/ONE
<2-4>

<d> DON'T KNOW
<r> REFUSED

>t6c_test< [if NOHANDOFF eq <1> OR HADT eq <1> go to t8c_test; else go to T6c]

T6c How many adults in the household have a cell phone they receive personal calls on?

<1-8> 1
DON'T KNOW d
REFUSED r
===>

>T7c< Do you share THIS cell phone with other adults in the household?

PROBE: Do not count if this happens just once in awhile.

YES..... 1
NO 0

DON'T KNOW d
REFUSED..... r
==>

>t8c_test< [if T1c ge <1> go to T8c; else go to T9c]

>T8c< Thinking about all the (your household receives/you receive), how many of these calls are received on cell phones? Would you say that ...

<1> all or almost all are received on cell phones,
<2> some are received on cell phones and some on regular phones,
<3> or very few or none are received on cell phones?

<d> DON'T KNOW
<r> REFUSED

>T9c< Not counting cell phones, has your household been without telephone service for two weeks or more during the past 12 months?

YES..... 1 [goto T10c]
NO 0

DON'T KNOW d
REFUSED..... r
==> [goto t12c_test]

>T10c< For how long was your household without telephone service in the past 12 months?

PROBE: Not counting cell phones.

<0-12> MONTHS

<d> DON'T KNOW
<r> REFUSED

>T11c< When your household was without telephone service, did
(someone in your household/you) have a working cell phone?

<1> YES

<0> NO

<d> DON'T KNOW

<r> REFUSED

>t12c_test< [if T1c gt <0> go to T12c; else go to lend]

>T12c< May I have the primary non-cell phone number for your household?

ENTER NEW TELEPHONE NUMBER.

>test< [IF NO SELF-RESPONSE MODULE OR SECONDARY FAMILY, goto fin;
ELSE goto next_person]

>next_person< I would also like to speak with [FILL NAME]. I need to ask (him/her/them) a few questions about (his/her/their) health and opinions. We also will send (him/her/each of them) \$40 for helping us with the survey. Can I speak with READ NAMES now?

#	NAME	RELATION	FAM	STATUS	SEX	AGE
	[fill NAME]	[RELATIONSHIP]	[Sex]	[AGE]	.....	1
	[fill NAME]	[RELATIONSHIP]	[Sex]	[AGE]	.....	2
	[fill NAME]	[RELATIONSHIP]	[Sex]	[AGE]	.....	3
	[fill NAME]	[RELATIONSHIP]	[Sex]	[AGE]	.....	4
	[fill NAME]	[RELATIONSHIP]	[Sex]	[AGE]	.....	5
	[fill NAME]	[RELATIONSHIP]	[Sex]	[AGE]	.....	6
	[fill NAME]	[RELATIONSHIP]	[Sex]	[AGE]	.....	7
	[fill NAME]	[RELATIONSHIP]	[Sex]	[AGE]	.....	8

====>

IF NECESSARY ADD: I need to speak with (him/her/them) because we need to ask each adult in the household their opinions about their own health and health care.

LENGTH: For most people, the additional questions will take 10 to 15 minutes.

SPEAKING TO RESPONDENT - ENTER NUMBER

CALLBACK c [goto callback]
REFUSED r [goto refused]
====>

>test< IF SELF RESPONSE MODULE GOTO INTRODUCTION FOR SELF-
RESPONSE IF SECONDARY FAMILY GOTO INTRODUCTION FOR
SECONDARY FAMILY

>next_person< [SELF RESPONSE MODULE I would also like to speak with [fill NAME]. I
need to ask (him/her) questions about (his/her/their) health and opinions. We
also will send (him/her/each of them) \$40 for helping us with the survey. Can
I speak with READ NAMES now?

IF NECESSARY ADD: I need to speak with (him/her/them) because we need
to ask each adult in the household their opinions about their own health and
health care.

LENGTH: For most people, the additional questions will take 10 to 15
minutes.

SPEAKING TO RESPONDENT – ENTER NUMBER1

CALLBACK C ¹⁶
LANGUAGE PROBLEM.....l
REFUSED..... r
SUPERVISOR REVIEW..... S
====>

<fin> Thank you again for your time and interest in this important survey.

This concludes the survey unless you have a brief comment you would like to
add.

comments [specify] c
interview complete g
====>

(2)
(3)

SELF RESPONSE MODULE

>slf1<

My name is _____. I am calling about the telephone survey that [fill NAME] participated in on [fill DATE OF INTERVIEW]. Most of the interview has already been completed by [fill NAME] I have a few questions about your health and opinions, that will only take about 10 minutes. As a token of our appreciation, we will send you insert amount for helping us with the study

IF NECESSARY READ PROBE: We are doing this study to see how changes in health care are affecting people. We need to interview you as well as [fill NAME] because some of the questions ask for people's opinions about their own health and health care.

SPONSOR: The project is sponsored by The Robert Wood Johnson Foundation, a non-profit organization whose sole purpose is to improve health care.

ENTER STATUS FOR [fill NAME]

WILL COMPLETE SELF RESPONSE SECTION 1

RESPONDENT WILL ACT AS PROXY FOR [fill NAME]

[fill NAME] IS CHRONICALLY ILL 2

[fill NAME] IS AWAY AT SCHOOL 3

[fill NAME] SPEAKS NEITHER ENGLISH
NOR SPANISH 4

[fill NAME] WON'T DO SELF-RESPONSE SECTION 5

====>

>c81_sr2< Next, during the past 12 months, was there any time when you didn't get the medical care you needed?

INTERVIEWER: THIS QUESTION IS LIMITED TO MEDICAL CARE. DO NOT INCLUDE DENTAL CARE.

YES..... 1
NO 0

DON'T KNOW d
REFUSED r
==>

>c82_sr2< And was there any time during the past 12 months when you put off or postponed getting medical care you thought you needed?

YES..... 1
NO 0

DON'T KNOW d
REFUSED r
==>

>test c83_sr2< [IF c81_sr2 EQ <1> OR <d> OR c82_sr2 EQ <1> OR <d> goto c83sr1; ELSE goto c84_sr2]

>c83sr1< Did you not get the medical care you needed or have delays in getting the medical care you needed for any of the following reasons?

CODE ALL THAT APPLY.

Worry about the cost..... 1
The doctor or hospital wouldn't accept your health insurance 2
Your health plan wouldn't pay for the treatment 3
You couldn't get an appointment soon enough 4
You couldn't get there when the doctor's office or clinic was open 5
It takes too long to get to the doctor's office or clinic from your house or work 6
You couldn't get through on the telephone 7
You were too busy with work or other commitments to take the time 8
You didn't think the problem was serious enough 9
Or any other reason I haven't mentioned [SPECIFY] 0

NONE CITED/NO OTHER RESPONSES n
NEED TO DELETE A RESPONSE x

DON'T KNOW d
REFUSED r
==>

>c84_sr2< During the past 12 months, was there any time you needed prescription medicines but didn't get them because you couldn't afford it?

YES..... 1
NO 0

DON'T KNOW d
REFUSED r

>USC_sr2< The next questions are about places people go to for their health problems. Because some of these questions ask about Internet use in medical practices, first I need to ask about your use of the Internet.

>IT1_sr2< Do you ever go on line to use the Internet? (modified Pew, HINTS)

YES..... 1
NO 0 [goto d101_sr2]

DON'T KNOW d [goto d101_sr2]
REFUSED r [goto d101_sr2]

>IT2_sr2< In general, how often do you go online- several times a day, about once a day, 3-5 days a week, 1 to 2 days a week, once every few weeks, or less often than that? [modified KFF, PEW 2003]

- SEVERAL TIMES A DAY 1
- ABOUT ONCE A DAY 2
- 3 TO 5 DAYS A WEEK..... 3
- 1 TO 2 DAYS A WEEK..... 4
- ONCE EVERY FEW WEEKS 5
- LESS OFTEN..... 6

- DON'T KNOW d
- REFUSED r

>d101_sr2< Next, is there a place that you **usually** go to when you are sick or need advice about your health?

PROBE: IF R. IS UNSURE IF ONE PLACE OR MORE THAN ONE PLACE:
you are sick or need advice about your health, do you go to one place or more than one place?

- YES..... 1 [goto d111_sr2]
- NO, THERE IS NO PLACE 0 [gotorx1_sr2]
- NO, THERE IS MORE THAN ONE PLACE 3 [goto d111_sr2]

- DON'T KNOW d [goto rx1_sr2]
- REFUSED r [goto rx1_sr2]

====>

>d111_sr2< If (d101 = 1) then read:
What kind of place is it--a doctor's office, an HMO, a hospital outpatient clinic,
some other clinic or health center, an emergency room, or some other place?

Else (d101 = 3) read:
What kind of place do you go to most often--a doctor's office, an HMO, a hospital
outpatient clinic, some other clinic or health center, an emergency room, or some
other place?

DOCTOR'S OFFICE 1
HMO 2
HOSPITAL OUTPATIENT CLINIC 3
OTHER CLINIC OR HEALTH CENTER 4
HOSPITAL EMERGENCY ROOM 5
SOME OTHER PLACE 6

DON'T KNOW d
REFUSED r
====>

>sn1_sr2< IF UNINSURED: At this place, do you pay full price for medical care or do
you pay a lower amount based on what you can afford to pay?

FULL PRICE 0
LOWER AMOUNT 1

DON'T KNOW d
REFUSED r
====>

>d121time_sr2< How long have you been going to this place?

Less than 6 months
At least 6 months but less than 1 year
At least 1 year but less than 3 years
At least 3 years but less than 5 years
5 years or more
DON'T KNOW
REFUSED

>test< If c311 equals 0 and c331 equals 0 go to d121; else if (d111, kd111, d111_sr2) equals 5
(emergency room) then skip to (d121, kd121, d121_sr2). Skip questions CAHPS5 through IT5
when the usual place of care is the emergency room or if respondent has no visits with doctors or
other medical professionals in the last 12 months.

>CAHPS5_sr2< In the last 12 months, not counting the times you needed care right away, did you make any appointments for your health care at this place?

YES..... 1 [goto E261R5@
day_sr2]
NO 0
DON'T KNOW d
REFUSED r
==> [goto ACCESS1_sr2)

>E261R5@day_sr2< Thinking of the last time you made an appointment at this place, how long did you have to wait between the time you made the appointment and the day you actually saw a doctor or other health care provider?

INTERVIEWER: (1) CODE "0" FOR SAME DAY.
(2) ACCEPT MOST CONVENIENT TIME PERIOD.

___ (0-31) DAYS OR ___ (1-20) WEEKS OR ___ (1-5) MONTHS

DON'T KNOW d
REFUSED r
==>

>ACCESS1_sr2< Does this place have office hours at night or on the weekends? FROM MEPS ACCESS TO CARE SUPPLEMENT

YES 1
NO 0
DON'T KNOW d
REFUSED r
==>

>ACCESS2_sr2< In the past 12 months, have you tried to contact this place after their regular hours for an urgent medical need?

YES [go to ACCESS3_sr2] 1
NO 0
DON'T KNOW d
REFUSED r
==> [GO TOIT1_sr2]

>ACCESS3_sr2< How difficult is it to contact a doctor or other health care provider at this place after their regular hours in case of urgent medical needs- very difficult, somewhat difficult, not too difficult, or not at all difficult? MEPS ACCESS TO CARE SUPPLEMENT MODIFIED

VERY DIFFICULT
SOMEWHAT DIFFICULT
NOT TOO DIFFICULT
NOT AT ALL DIFFICULT
DON'T KNOW
REFUSED

>IT 3_sr2< As far as you know, can you ask a medical question at this place by e-mail or by visiting its web site?

YES..... 1
NO 0

DON'T KNOW d
REFUSED..... r
==>

>test IT4_sr2<[if IT1_sr2=1 and IT3_sr2=1 go to IT4_sr2; else go to d121_sr2]

>IT4_sr2< In the last 12 months, did you e-mail this place or visit its website with a medical question? CAHPS HIT FIELD TEST #18

YES [go to IT5_sr2]..... 1
NO 0

DON'T KNOW d
REFUSED..... r
==> [to go d121_sr2]

>IT5_sr2< In the last 12 months, when you e-mailed this place or visited its website, how often did you get an answer to your medical question as soon as you needed-never, sometimes, usually, or always? CAHPS H IT FIELD TEST #19

- NEVER
- SOMETIMES
- USUALLY
- ALWAYS
- DON'T KNOW
- REFUSED

D121, D121_SR2 ADD AN INTRO SENTENCE.

The next questions ask about doctors and other health professionals you may see at the (FILL PLACE FROM d111) you usually go to when you are sick or need advice about your health.”

>d121_sr2< When you go to this place, do you usually see a doctor, a nurse, or some other type of health professional?

INSTRUCTION: IF R. SAYS DOCTOR AND NURSE, CODE DOCTOR

- DOCTOR 1 [goto d121spec_sr2]
- NURSE 2 [goto d131_sr2]
- OTHER [SPECIFY] 3 [goto d131_sr2]

-
- DON'T KNOW d [gotorex1_sr2]
 - REFUSED r [gotorex1_sr2]

==>

>d121spec_sr2< Primary care doctors, such as general or family doctors, general internists, or pediatricians, treat a variety of illnesses and give preventive care. Specialists are doctors like surgeons, heart doctors, and others who specialize in one area of health care.

Is the doctor you usually see a primary care doctor or a specialist?

INTERVIEWER INSTRUCTION: GENERAL INTERNISTS ARE PRIMARY CARE DOCTORS; INTERNISTS WHO SUBSEQUENTLY SPECIALIZE IN A PARTICULAR AREA OF CARE ARE SPECIALISTS.

- PRIMARY DOCTOR 1
- SPECIALIST 2
- DON'T KNOW d
- REFUSED r

==>

>d131_sr2< Do you usually see the same (doctor/nurse/provider) each time you go there?

YES..... 1
NO 0

DON'T KNOW d
REFUSED r

====>

>rx1_sr2< During the last 12 months, did you take any prescription medicines?

YES..... 1
NO 0

DON'T KNOW d
REFUSED r

====>

>testusc_sr2< If c311 >0 and c331 > 0 and if d101_sr2= 1 or 3 go to USCFILL; else go to e12_sr2
(NEXT SECTION IF R. HAS NO VISITS TO MEDICAL PROVIDERS IN LAST 12 MONTHS OR NO USC)

USCFILL sr2: If d121 sr2=1 and d131 sr2=1, then USCFIL sr2L= "your usual doctor"; else,
USCFILL sr2= "a doctor or other health care provider"

USCFILL2 sr2: If USCFILL sr2= "a doctor or other health care provider" THEN USCFILL2
sr2= "or other health care providers"; else USCFILL2 sr2= BLANK

USCFILL change fill and add an introduction when the usual source of care isn't a doctor and
the same doctor isn't seen every time (d121 ne 1 and d131 ne 1).

fill - "a doctor or other health care provider"

>test rx1 sr2< [if rx1 sr2=1, go to rx2 sr2; else go to USCVISIT2 sr2]

Introduction - "For the next questions, please think about doctors and other health care
providers you see at the (FILL PLACE FROM d111) you usually go to when you are sick
or need advice about your health."

>rx2 sr2< In the past 12 months, did USCFILL sr2 talk with you about all of the different
prescription medicines you are using, including medicines prescribed by other
doctors?

YES..... 1
NO 0

DON'T KNOW d
REFUSED r

====>

>USCVISIT2 sr2< In the last 12 months, how many times did you visit USCFILL sr2 to get care for yourself [CAHPS 4.0 HEALTH PLAN SURVEY, #10]?

- NONE 1
- 1 TIME 2
- 2-4 TIMES 3
- 5-9 TIMES 4
- 10 OR MORE TIMES 5

- DON'T KNOW d
- REFUSED r

>medtest1 sr2< In the last 12 months, did USCFILL sr2 send you for a blood test, x-ray, or other test?

- YES [go to medtest2 sr2] 1
- NO 0

- DON'T KNOW d
- REFUSED r
- ====> [go totest IT7 sr2]

>medtest2 sr2< Did you get any tests or x-rays that USCFILL sr2 ordered?

- YES [go to medtest3 sr2] 1
- NO 0

- DON'T KNOW d
- REFUSED r
- ====> ====> [go totest IT7 sr2]

>medtest3 sr2< In the last 12 months, when USCFILL sr2 sent you for a blood test, x-ray, or other test, how often did someone from the office follow up to give you test results? Would you say never, sometimes, usually, or always?

- NEVER
- SOMETIMES
- USUALLY
- ALWAYS
- DON'T KNOW
- REFUSED

>test IT7 sr2< [IF USCVISIT2 sr2>=1, GO TO IT7 sr2; **else go** e12_sr2]

>IT7 sr2< Doctors [fill USCFILL2 sr2] may use computers or handheld devices during an office visit to do things like look up your information or order prescription medicines. In the last 12 months, did USCFILL sr2 use a computer or handheld device during any of your visits? CAHPS HIT FIELD TEST #39

YES..... 1
NO 0 [goto e12_sr2]

DON'T KNOW d [goto e12_sr2]
REFUSED r [goto e12_sr2]

>IT8 sr2< During your visits in the last 12 months, did USCFILL sr2 ever use a computer or handheld device to look up test results or other information about you? CAHPS HIT FIELD TEST #40

YES..... 1
NO 0

DON'T KNOW d
REFUSED r

>IT9 sr2< During your visits in the last 12 months, did this USCFILL sr2 ever use a computer or handheld device to show you information? CAHPS HIT FIELD TEST #41

YES..... 1
NO 0

DON'T KNOW d
REFUSED r

>IT10 sr2< In the last 12 months, did USCFILL sr2 ever use a computer or a handheld device to order your prescription medicines? CAHPS HIT FIELD TEST #42

YES..... 1
NO 0

DON'T KNOW d
REFUSED r

>IT 11 sr2< During your visits in the last 12 months, was the use of a computer or handheld device by USCFILL sr2 definitely helpful to you, somewhat helpful to you, or not at all helpful to you? CAHPS HIT FIELD TEST #43

DEFINITELY HELPFUL 1
SOMEWHAT HELPFUL..... 2
NOT AT ALL HELPFUL 3

DON'T KNOW..... d
REFUSED..... r
====>

>e12_sr2< Now I would like to ask you about satisfaction with your **choice** of doctors.

First primary care doctors, such as family doctors, [pediatricians,]¹⁷ or general practitioners, who treat a variety of illnesses and give preventive care.

Are you satisfied or dissatisfied with the **choice** you personally have for primary care doctors?

PROBE: Most people go to a primary care doctor first when they have a sickness or injury they have not had before.

SATISFIED 1 [goto e13_sr2]
DISSATISFIED 2 [goto e13_sr2]
NEITHER SATISFIED NOR DISSATISFIED 3

DON'T KNOW d
REFUSED r
====> [goto e14_sr2]

>e13_sr2< Would that be very (dis)satisfied or somewhat (dis)satisfied?

VERY 1
SOMEWHAT 2

DON'T KNOW d
REFUSED r
====>

¹⁷Exclude for adults.

>e14_sr2< In the past 12 months, did you or a doctor think you needed to see a specialist?

PROBE: Specialists include such doctors as surgeons, allergists, (obstetricians,) (gynecologists,) orthopedists, cardiologists, and dermatologists? Specialists mainly treat just one type of problem.

YES..... 1 [goto cahps12_sr2]
NO 0

DON'T KNOW d
REFUSED r
==> [goto e40_sr2]

>cahps12_sr2< In the last 12 months, did (you/NAME) see a specialist?

YES..... 1 [go to test CAHPSSP1_sr2]
NO 0

DON'T KNOW d
REFUSED r
==> [go to e15_sr2]

>test CAHPSSP1< [if d121SPEC sr2=2, GO TO CAHPSSP1 sr2; else if d101 sr2=1 or 3 , goto CAHPSSP2 sr2; else, go to e15 sr2]

>CAHPSSP1_sr2<Was the specialist that you saw most recently your usual doctor or was it a different specialist? (Source: CAHPS, ACES?)

USUAL DOCTOR 1 [GO TO E15_sr2]
DIFFERENT SPECIALIST 2 [GO TO CAHPSSP2_sr2]

DON'T KNOW [GO TO e15_sr2] d
REFUSED [GO TO e15_sr2] r

>CAHPSSP2_sr2<Was this visit to a specialist recommended by your usual doctor, another healthcare provider, or did you decide to see this person on your own? (Source: ACES)

PERSONAL DOCTOR 1
ANOTHER HEALTHCARE PROVIDER 2
SAW ON OWN..... 3

DON'T KNOW d
REFUSED r

==>

>e15_sr2< Are you satisfied or dissatisfied with the **choice** you have for specialists?

SATISFIED 1 [goto test E15a_sr2]
DISSATISFIED 2 [goto test E15a_sr2]
NEITHER SATISFIED NOR DISSATISFIED 3

DON'T KNOW d
REFUSED r
===> [goto test e1512_sr2]

>E15a_sr2< Would that be very (dis)satisfied or somewhat (dis)satisfied?

VERY 1
SOMEWHAT 2

DON'T KNOW d
REFUSED r
===>

>test e1512_sr2< ifd121spec_sr2=1 and CAHPS12_sr2 eq 1, go to e1512_sr2; else go to e40_sr2

>e1512_sr2< In the last 12 months, how often did USCFILL_sr2 seem informed and up-to-date about the care you got from specialists? (Source: CAHPS)

NEVER 1
ALMOST NEVER 2
SOMETIMES 3
USUALLY 4
ALMOST ALWAYS 5
ALWAYS 6
NO USUAL DOCTOR 7 [goto e40_sr2]
MY SPECIALIST IS MY USUAL DOCTOR 8 [goto e40_sr2]

DON'T KNOW d
REFUSED r [goto t e40_sr2]

>e1513_sr2< After going to the specialist, did your usual doctor talk with you about what happened at the visit (with the specialist?). (Source: Starfield, Primary Care Assessment Tool)

YES 1
NO 0

DON'T KNOW d
REFUSED r

>e40_sr2< Now, I have a few questions about your health.

In general, would you say your health is:

Excellent 1
Very Good..... 2
Good..... 3
Fair or 4
Poor 5

DON'T KNOW d
REFUSED..... r

====>

>nn3_sr2@b< Has a doctor or health professional ever told you that you had diabetes or high blood sugar?

YES..... 1 [goto nn3_sr2@bb]
NO 0

DON'T KNOW d
REFUSED..... r

>nn3_sr2@bb< IF YES: During the past two years, have you seen a doctor or other health care professional for diabetes or high blood sugar?

YES..... 1
NO 0

DON'T KNOW d
REFUSED..... r

>nn3_sr2@c< Has a doctor or health professional ever told you that you had arthritis?

YES..... 1 [goto nn3_sr2@cc]
NO 0

DON'T KNOW d
REFUSED..... r

>nn3_sr2@cc< **IF YES:** During the past two years, have you seen a doctor or other health care professional for arthritis?

YES..... 1
NO 0

DON'T KNOW d
REFUSED..... r

>nn3_sr2@d< Has a doctor or health professional ever told you that you had asthma?

YES..... 1 [goto nn3_sr2@dd]
NO 0

DON'T KNOW d
REFUSED..... r

>nn3_sr2@dd<**IF YES:** During the past two years, have you seen a doctor or other health care professional for asthma?

YES..... 1
NO 0

DON'T KNOW d
REFUSED..... r

>nn3_sr2@e< Has a doctor or health professional ever told you that you had chronic obstructive pulmonary disease?

YES..... 1 [goto nn3_sr2@ee]
NO 0

DON'T KNOW d
REFUSED..... r

>nn3_sr2@ee< **IF YES:** During the past two years, have you seen a doctor or other health care professional for chronic obstructive pulmonary disease?

YES..... 1
NO 0

DON'T KNOW d
REFUSED..... r

>nn3_sr2@g< Has a doctor or health professional ever told you that you had hypertension or high blood pressure?

YES..... 1 [goto nn3_sr2@gg]
NO 0

DON'T KNOW d
REFUSED..... r

>nn3_sr2@gg< **IF YES:** During the past two years, have you seen a doctor or other health care professional for hypertension or high blood pressure?\

YES..... 1
NO 0

DON'T KNOW d
REFUSED..... r

>nn3_sr2@i< Has a doctor or health professional ever told you that you had coronary heart disease (INCLUDES ANGINA, ATRIAL FIBRILLATION, CONGESTIVE HEART FAILURE, BYPASS SURGERY, ANGIOPLASTY, HEART DISEASE, MI)?

YES..... 1 [goto nn3_sr2@ii]
NO 0

DON'T KNOW d
REFUSED..... r

>nn3_sr2@ii< **IF YES:** During the past two years, have you seen a doctor or other health care professional for coronary heart disease?

YES..... 1
NO 0

DON'T KNOW d
REFUSED..... r

>nn5_sr2@c< Has a doctor or health professional ever told you that you had skin cancer?

YES..... 1 [goto nn5_sr2@cc]
NO 0

DON'T KNOW d
REFUSED..... r

>nn5_sr2@cc< **IF YES:** During the past two years, have you seen a doctor or other health care professional for skin cancer?

YES..... 1
NO 0

DON'T KNOW d
REFUSED..... r

>nn5_sr2@h< Has a doctor or health professional ever told you that you had cancer other than skin cancer?

YES..... 1 [goto nn5_sr2@hh]
NO 0

DON'T KNOW d
REFUSED..... r

>nn5_sr2@hh< **IF YES:** During the past two years, have you seen a doctor or other health care professional for that cancer?

YES..... 1
NO 0

DON'T KNOW d
REFUSED..... r

>n5f4_sr2< **IF FEMALE or MALE AGE 50 OR UNDER GOTO nn6_sr2e. IF MALE AGE OVER 50:** Has a doctor or health professional ever told you that you had benign prostate disease or a large prostate that was not prostate cancer?

YES..... 1 [goto n5f4ee_sr2]
NO 0

DON'T KNOW d
REFUSED..... r

>n5f4ee_sr2< **IF YES:** During the past two years, have you seen a doctor or other health professional for benign prostate disease?

YES..... 1
NO 0

DON'T KNOW d
REFUSED..... r

>nn6_sr2@e< Has a doctor or health professional ever told you that you had depression?

YES..... 1 [goto nn6_sr2@ee]
NO 0

DON'T KNOW d
REFUSED..... r

>nn6_sr2@ee< **IF YES:** During the past two years, have you seen a doctor or other health care professional for depression?

YES..... 1
NO 0

DON'T KNOW d
REFUSED..... r

>nn7_sr2< During the past two years, have you seen a doctor or other health care professional for any serious medical problem, that is one that limits your ability to do your usual activities?

YES..... 1
NO 0

DON'T KNOW d
REFUSED..... r

CARE COORDINATION

>testccq_sr2< [if seen a doctor during the past two years for, diabetes, arthritis, asthma, COPD, hypertension, CHD, skin cancer, other cancer, benign prostate disease, or depression, go to CCQ1_sr2, ELSE GO TO CE3_sr2

>CCQ1_sr2< Do you see only one doctor or more than one doctor for treatment of [INSERT PATIENT'S CHRONIC DISEASE(S)]?

- ONE 1 [goto CE3_sr2]
- MORE THAN ONE 0 [goto CCQ2_sr2]

- DON'T KNOW d [goto CE3_sr2]
- REFUSED r [goto CE3_sr2]

>CCQ2_sr2< Which of the following statements best describes how well the different doctors you see for [INSERT PATIENT'S CHRONIC CONDITION(S)] coordinate your care? By care coordination, we mean how well do your doctors work together to manage your health care.

- My care is not coordinated at all 1
- My care is coordinated some of the time 2
- My care is coordinated most of the time 3
- My care is coordinated all of the time 4

- DON'T KNOW d
- REFUSED r

CONSUMER ENGAGEMENT

CE3_sr2. Next, I will read some statements that people sometimes make when they talk about their health care. Please tell me whether you strongly agree, somewhat agree, somewhat disagree, or strongly disagree with each statement as it applies to you personally. The first statement is ... (Source: parts a. and b. adapted from the 2009 MCBS Satisfaction with Care; parts c. and d. from MEPS-HC.

RANDOMIZE

a. Usually, you go to the doctor as soon as you start to feel bad.

- Strongly agree..... 1
- Somewhat disagree2
- Somewhat disagree3
- Strongly disagree4
- DON'T KNOW d
- REFUSED r

b. You will do just about anything to avoid going to the doctor.

- Strongly agree..... 1
- Somewhat disagree2
- Somewhat disagree3
- Strongly disagree4
- DON'T KNOW d
- REFUSED r

c. I'm healthy enough that I really don't need health insurance.

- Strongly agree..... 1
- Somewhat disagree2
- Somewhat disagree3
- Strongly disagree4
- DON'T KNOW d
- REFUSED r

d. Health insurance is not worth the money that it costs.

- Strongly agree..... 1
- Somewhat disagree2
- Somewhat disagree3
- Strongly disagree4
- DON'T KNOW d
- REFUSED r

CONSUMER INFORMATION SEEKING

>CI1_sr2< During the past 12 months, did you look for or get information about a **PERSONAL** health concern:

RANDOMIZE ORDER OF a-e AND CODE ALL THAT APPLY

- a. On the internet
YES..... 1
NO 0

DON'T KNOW d
REFUSED r
- b. From friends or relatives
YES..... 1
NO 0

DON'T KNOW d
REFUSED r
- c. From TV or radio
YES..... 1
NO 0

DON'T KNOW d
REFUSED r
- d. From hard copy newspapers, books or magazines
YES..... 1
NO 0

DON'T KNOW d
REFUSED r
- e. From somewhere else other than a personal doctor
YES [RECORD TEXT IN SPECIFY FIELD]..... 1
NO 0

DON'T KNOW d
REFUSED r

IF YES TO ANY, GO TO CI2_sr2; ELSE GO TO CI3_sr2

>C12_sr2< (If yes to any option in C11_sr2) Did the health information you obtained in the past 12 months from any of these sources affect...? (Source: modified Pew Internet and American Life Project, August 2009) ROTATE ITEMS A-G

RESPONSE CATEGORIES: YES, NO, DON'T KNOW, REFUSAL

- a. your understanding about how to treat an illness or condition
- b. your overall approach to maintaining your health
- c. the way you cope with a chronic condition or manage pain
- d. a decision about whether to see a doctor
- e. whether you asked a doctor a question
- f. a decision to seek a second opinion from another doctor
- g. your approach to diet, exercise, or stress management

>CI3_sr2< During the past 12 months, did you look for or get information about a health concern for someone else, such as a friend or family member:

RANDOMIZE ORDER OF a-e AND CODE ALL THAT APPLY

- a. On the internet
YES..... 1
NO 0

DON'T KNOW d
REFUSED r

- b. From friends or relatives
YES..... 1
NO 0

DON'T KNOW d
REFUSED r

- c. From TV or radio
YES..... 1
NO 0

DON'T KNOW d
REFUSED r

- d. From hard copy newspapers, books or magazines
YES..... 1
NO 0

DON'T KNOW d
REFUSED r

- e. From somewhere else other than a personal doctor

YES [RECORD TEXT IN SPECIFY FIELD]..... 1
NO 0

DON'T KNOW d
REFUSED r

test CI7_sr2 [if CI1a_sr2=1 or CI3a_sr2=1 go to CI7_sr2, else go to CS1_sr2]

>CI7_sr2< During the past 12 months, about how often did you go on-line to look for personal health information? Would you say less than five times, five to nine times, or ten or more times?

LESS THAN 5 TIMES 1
5 TO 9 TIMES 2
10 OR MORE TIMES 3

DON'T KNOW d
REFUSED r

I8_sr2< How useful was the health information you found on-line? Would you say not at all useful, a little useful, somewhat useful, or very useful?

NOT AT ALL USEFUL 1
A LITTLE USEFUL 2
SOMEWHAT USEFUL 3
VERY USEFUL 4

DON'T KNOW d
REFUSED r

CONSUMER SHOPPING

>CS1_sr2< A personal doctor is the health provider you see most often and who knows you best. During the past 12 months did you look for a new personal doctor?

YES..... 1
NO 0 [goto testcs9_sr2]

DON'T KNOW d [goto testcs9_sr2]
REFUSED r [goto testcs9_sr2]

>CS2_sr2< Did you find a personal doctor?

YES..... 1
NO 0 [goto testcs9_sr2]

DON'T KNOW d [goto testcs9_sr2]
REFUSED r [goto testcs9_sr2]

>CS3_sr2< Which of the following sources did you use in looking for a new personal doctor?

- a. Recommendation of another doctor or health care provider
- b. Information from your health insurance plan
- c. Books, magazines or newspapers
- d. Friends or relatives
- e. TV or radio
- f. The Internet
- g. Anything else [SPECIFY]

(1) YES (0) NO (d) DON'T KNOW (r) REFUSED

IF NO SOURCES MENTIONED, GO TO CS8_sr2

>CS4_sr2< Did any of the sources you used provide information that compared the cost of care charged by different doctors?

YES..... 1
NO 0 [goto testCS6_sr2]

DON'T KNOW d [goto CS6_sr2]
REFUSED r [goto CS6_sr2]

>CS5_sr2< Did you use this information in choosing a personal doctor?

YES..... 1
NO 0

DON'T KNOW d
REFUSED..... r

>CS6_sr2< Did any of the sources you used provide information that compared the quality and performance of different doctors?

YES..... 1
NO 0 [goto testCS8_sr2]

DON'T KNOW d [goto CS8_sr2]
REFUSED..... r [goto CS8_sr2]

>CS7_sr2< Did you use this information in choosing a personal doctor?

YES..... 1
NO 0

DON'T KNOW d
REFUSED..... r

>CS8_sr2< I am going to read several factors some people consider in choosing a doctor. For each one, please tell me if it was a major factor, minor factor, or not a factor in choosing a personal doctor.

- a. The cost of care
- b. The recommendation of another doctor
- c. The reputation of the personal doctor providing the care
- d. Short wait time for appointments
- e. Location of the personal doctor's practice
- f. The doctor is in my health plan's provider network
- g. Anything else (SPECIFY)

(1) MAJOR FACTOR (2) MINOR FACTOR (3) NOT A FACTOR (d) DK (r) REFUSED

>testcs9_sr2< [if CAHPS121 sr2=1, GO TO CS9_sr2; ELSE GO TO CS20_sr2]

>CS9_sr2< You mentioned earlier that you have seen a specialist. During the past 12 months, have you seen only one specialist or more than one specialist?

NONE 0 [goto CS20_sr2]
ONE 1
MORE THAN ONE 2

DON'T KNOW d
REFUSED r

>CS10_sr2< (IF MORE THAN ONE, READ: Please think about the last specialist you saw.)
Did you first see this specialist during the last 12 months or did you first see this specialist more than 12 months ago?

MORE THAN 12 MONTHS AGO 1 [goto CS20_sr2]
LESS THAN 12 MONTHS AGO 2

DON'T KNOW d
REFUSED r

>CS11_sr2< Did your personal doctor refer you to this specialist or did you find this specialist in some other way?

REFERRED BY DOCTOR 1
SOME OTHER WAY 2 [goto CS14_sr2]

DON'T KNOW d [goto CS14_sr2]
REFUSED r [goto CS14_sr2]

IF REFERRED

>CS12_sr2< Did your personal doctor give you a choice of specialists or recommend only one specialist?

CHOICE 1
ONLY ONE 2

DON'T KNOW d
REFUSED r

>CS13_sr2< Besides the referral from your personal doctor, did you use any other sources of information in looking for the specialist?

YES – USED OTHER SOURCES 1
NO – ONLY DOCTOR REFERRAL 2 [goto testCS19_sr2]

DON'T KNOW d [goto testCS19_sr2]
REFUSED r [goto testCS19_sr2]

>CS14_sr2< Did you use any of the following sources in looking for the specialist?

- a. Recommendation of a doctor or health care provider who is not your personal doctor
- b. Information from your health insurance plan
- c. Books, magazines or newspapers
- d. Friends or relatives
- e. TV or radio
- f. The Internet
- g. Anything else [SPECIFY]

(1) YES (0) NO (d) DON'T KNOW (r) REFUSED

IF ANY SOURCES CODED YES, GO TO CS15_sr2; ELSE GO TO TESTCS19_sr2

>CS15_sr2< Did any of the sources you used provide information that compared the cost of care charged by different doctors?

YES 1
NO 0 [goto CS17_sr2]

DON'T KNOW d [goto CS17_sr2]
REFUSED r [goto CS17_sr2]

>CS16_sr2< Did you use this information in choosing a specialist?

YES 1
NO 0

DON'T KNOW d
REFUSED r

>CS17_sr2< Did any of the sources you used provide information that compared the quality and performance of different doctors?

- YES..... 1
- NO 0 [goto testCS19_sr2]

- DON'T KNOW d [goto testCS19_sr2]
- REFUSED..... r [goto testCS19_sr2]

>CS18_sr2< Did you use this information in choosing a specialist?

- YES..... 1
- NO 0

- DON'T KNOW d
- REFUSED..... r

>TESTCS19_sr2< IF CS12_sr2=1 OR CS11_sr2=2, GO TO CS19_sr2;ELSE GO TO CS20_sr2

>CS19_sr2< I am going to read several factors some people consider in choosing a doctor. For each one, please tell me if it was a major factor, minor factor, or not a factor in choosing this specialist.

- a. The cost of medical care and treatment
- b. The recommendation of your personal doctor (**SKIP IF NO REFERRAL**)
- c. The reputation of the specialist
- d. Short wait time for an appointment
- e. Location of the specialist's practice
- f. The specialist is in my health plan's provider network
- g. Anything else (SPECIFY)

(1) MAJOR FACTOR (2) MINOR FACTOR (3) NOT A FACTOR (d) DK (r) REFUSED

>CS20_sr2< In the past 12 months, have you had any type of surgical or non-surgical procedure?

PROBE: Do not include routine blood work, X-rays, or mammograms.

PROBE: By non-surgical procedure, we mean things like a biopsy, colonoscopy, MRI, etc.

INTERVIEWER: IF IN DOUBT, INCLUDE THE PROCEDURE. OUR GOAL IS TO BE AS BROAD AS POSSIBLE IN DEFINING PROCEDURES TO TEST FOR CONSUMER SHOPPING.

YES..... 1
NO 0 [goto h10_sr2]

DON'T KNOW d [goto h10_sr2]
REFUSED r [goto h10_sr2]

>CS21_sr2< If you had more than one procedure in the last 12 months, please think about the last procedure you had. Was the procedure performed in a hospital, a clinic, a doctor's office, or somewhere else?

HOSPITAL 1
CLINIC 2
DOCTOR'S OFFICE 3
SOMEWHERE ELSE (SPECIFY)..... 4

DON'T KNOW d
REFUSED r

>CS22_sr2< Was the first time you had a procedure performed at this INSERT PLACE during the last 12 months or more than 12 months ago?

MORE THAN 12 MONTHS AGO 1 [goto h10_sr2]
LESS THAN 12 MONTHS AGO 2

DON'T KNOW d [goto h10_sr2]
REFUSED r [goto h10_sr2]

>CS23_sr2< Was the INSERT PLACE recommended by the doctor ordering the procedure or did you choose the place some other way?

RECOMMENDED BY DOCTOR 1
SOME OTHER WAY 2 [goto CS26_sr2]

DON'T KNOW d [goto CS26_sr2]
REFUSED r [goto CS26_sr2]

IF RECOMMENDED BY DOCTOR

>CS24_sr2< Did your doctor give you a choice of places to have the procedure or recommend only this one place?

CHOICE 1
ONLY ONE 2

DON'T KNOW d
REFUSED r

IF RECOMMENDED BY DOCTOR

>CS25_sr2< Besides your doctor's recommendation, did you use any other sources of information in looking for a place to have the procedure?

YES..... 1
NO 0 [goto testCS31_sr2]

DON'T KNOW d [goto testCS31_sr2]
REFUSED r [goto testCS31_sr2]

>CS26_sr2< Which of the following sources did you use in looking for the INSERT PLACE where you had the procedure?

- a. Recommendation from a doctor or other health care provider other than the one performing the procedure
- b. Information from your health insurance plan
- c. Books, magazines or newspapers
- d. Friends or relatives
- e. TV or radio
- f. The Internet
- g. Anything else [SPECIFY]

(1) YES (0) NO (d) DON'T KNOW (r) REFUSED

IF NO SOURCES MENTIONED, GO TO TESTCS31_sr2

>CS27_sr2< Did any of the sources you used provide information that compared how much different local INSERT PLACES are paid for similar services?

YES..... 1
NO 0 [goto CS29_sr2]

DON'T KNOW d [goto CS29_sr2]
REFUSED r [goto CS29_sr2]

>CS28_sr2< Did you use information from these reports in choosing a place to have the procedure?

YES..... 1
NO 0

DON'T KNOW d
REFUSED..... r

>CS29_sr2< Did any of the sources you used provide information that compared the quality and performance of local INSERT PLACES?

YES..... 1
NO 0 [goto testCS31_sr2]

DON'T KNOW d [goto testCS31_sr2]
REFUSED..... r [goto testCS31_sr2]

>CS30_sr2< Did you use information from these reports in choosing a place to have the procedure?

YES..... 1
NO 0

DON'T KNOW d
REFUSED..... r

>TESTCS31_sr2< IF CS24_sr2 = 1 OR CS23 sr2=2, GO TO CS31_sr2, ELSE GO TO test e16c

>CS31_sr2< I am going to read several factors that some people consider in choosing a place to have a procedure. For each one, please tell me if it was a major factor, minor factor, or not a factor in choosing this place to have your procedure.

- a. The cost of medical care and treatment
- b. The reputation of the INSERT PLACE
- c. Your doctor's recommendation
- d. Short wait time for an appointment
- e. Location of the INSERT PLACE
- f. The INSERT PLACE is in my health plan's provider network
- g. Anything else (SPECIFY)

(1) MAJOR FACTOR (2) MINOR FACTOR (3) NOT A FACTOR (d) DK (r) REFUSED

>h10_sr2< As a token of our appreciation for your help, we would like to send you a check for \$40. Could you please give me your full name and address?

PROBE: Your name and address are confidential and will only be used if we call you for another interview.

READ AFTER NAME AND ADDRESS OBTAINED: Your name and address are confidential and will only be used if we call you for another interview. You should receive your check in about 4 weeks.

YES..... 1
NO 0

<Enter First Name>
<Enter Last Name>
<Enter Street Address>
<Enter City/State>
<Enter Zip Code>

DON'T KNOW d
REFUSED r
==>

Appendix B

List of Variables in the Household Survey Public Use and Restricted Use Data Files by Year

**List of Variables in the Household Survey
Public Use and Restricted Use Data Files by Year**

Variable name	Question number	Description	1996-97		1998-99		2000-01		2003		2007		2010	
			Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use
Survey Administration and Household Composition (includes Section A)														
HHIDX	CV	Household identifier	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
CSIDX	CV	Family identifier	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
PID	CV	Person number within household	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
PERSIDX	CV	Person identifier : CSIDX+PID	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
R1HHIDX	CV	Round 1 household identifier for reinterviews				yes								
R1PID	CV	Round 1 person identifier for reinterviews				yes								
R2HHIDX	CV	Round 2 household identifier for reinterviews						yes						
R2PID	CV	Round 2 person identifier for reinterviews						yes						
R3HHIDX	CV	Round 3 household identifier for reinterviews								yes				
R3PID	CV	Round 3 person identifier for reinterviews								yes				
KIDID	CV	Random child PID	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
RESPID	CV	Respondent PID	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
CENSID	CV	Census family identifier	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
NFAM	CV	Number of families in household	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
NSFAM	CV	Number of interviewed families in household	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
PPERX	CV	Number of persons in family	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
NKID	CV	Number of children in family	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
NSPER	CV	Number of selected persons in family	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
NADULT	CV	Number of adults in family	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
NAGE65	CV	Number of adults age 65 or older in family	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
KIDFLAG	CV	Selected child indicator	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
RSPFLAG	CV	Informant indicator	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
FIUFLAG	CV	Flag for producing family-level file	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes

Notes: Imputation flags are listed at the end of this appendix.

**List of Variables in the Household Survey
Public Use and Restricted Use Data Files by Year**

Variable name	Question number	Description	1996-97		1998-99		2000-01		2003		2007		2010	
			Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use
SRMFLAG	CV	Self response module status flag	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
SRM_NR	CV	High levels of nonresponse SRM									yes	yes		
SPANISH	CV	Household identified as needing Spanish interview	yes	yes	yes	yes	yes	yes						
LANGINTX	CV	Language of interview, edited										yes		yes
SITEFLG	CV	Whether in augmented site sample	yes	yes	yes	yes	yes	yes						
SITE	CV	Site identifier, site sample	yes	yes	yes	yes	yes	yes	yes	yes				
SITEID	CV	Site identifier, augmented site sample	yes	yes	yes	yes	yes	yes						
STABBR	CV	State abbreviation		yes		yes		yes		yes		yes		yes
STABBRX	CV	State abbreviation	yes		yes		yes		yes					
FIPST	CV	FIPS state code		yes		yes		yes		yes		yes		yes
FIPSTX	CV	FIPS state code	yes		yes		yes		yes					
FIPSCNTY	CV	FIPS county code		yes		yes		yes		yes				
FIPSCODE	CV	FIPS state + county code		yes		yes		yes		yes		yes		yes
MFIPS	CV	Modified FIPS state + county code		yes		yes		yes						
REGION	CV	Census region									yes	yes	yes	yes
MSACAT	CV	Metropolitan area categories	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
FAMTYPX	CV	Family type	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
PRIMUNT	CV	Family contains head of household	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
RELFAM	CV	Person in family is related to head of household	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
HHTYPE	CV	Household structure	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
AGEX	a301 or age1	Age	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
SEX	a401 or sex1	Gender	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
FTSTUD	a501 or coll	Full time student	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
HIGRADX	a601 or grd1	Education	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
RELATEX	a802 or rel2	Relationship to head of household	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
SPSID	a901 or sps2	Spouse person number	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes

Notes: Imputation flags are listed at the end of this appendix.

**List of Variables in the Household Survey
Public Use and Restricted Use Data Files by Year**

Variable name	Question number	Description	1996-97		1998-99		2000-01		2003		2007		2010	
			Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use
PARENT	a903 or who2	Parent/guardian person number	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes

Section B: Health Insurance

Insurance coverage														
FPRVJOB	b1a	Covered by private insurance through job	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
PRIVJOB	b1a	Covered by private insurance through job	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
FPRVDIR	b1b	Covered by private insurance bought directly	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
PRIVDIR	b1b	Covered by private insurance bought directly	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
FPRVOTH	b1c	Covered by private insurance through others	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
PRIVOTH	b1c	Covered by private insurance through others	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
FMCARE	b1d	Covered by Medicare	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
MCARE	b1d	Covered by Medicare	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
FMCAID	b1e	Covered by Medicaid	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
MCAID	b1e	Covered by Medicaid	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
FMLINS	b1f	Covered by military plan	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
MILINS	b1f	Covered by military plan	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
FOTHPUB	CV	Covered by state insurance or I.H.S.	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
OTHPUBX	CV	Covered by state insurance or I.H.S.	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
FOTHINS	b1i2	Covered by plan not mentioned	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
OTHINS	b1i2	Covered by plan not mentioned	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
UNINSUR	b1j or bij	Uninsured	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
INSTYPE	CV	Current insurance type -- hierarchical	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Private plans														
NPRIV	b2	Number of private plans in family	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Private plan number 1														

Notes: Imputation flags are listed at the end of this appendix.

**List of Variables in the Household Survey
Public Use and Restricted Use Data Files by Year**

Variable name	Question number	Description	1996-97		1998-99		2000-01		2003		2007		2010	
			Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use
PRVHLD1	b231	Private plan 1, policyholder	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
PRVINS1	b241	Private plan 1, covered	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
PRVJOB1	b251	Private plan 1, through job	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
PBKLET1	b26a	Private plan 1, plan information in booklet								yes				
PWEB1	b26b	Private plan 1, plan information on website								yes				
PRV1Y1	b291	Private plan 1, enrolled in last 12 months	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
PRV12M1	b291	Private plan 1, enrolled in last 12 months	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
ESICST1	b31111	Private plan 1 (emp.-spons.), paying partial cost							yes	yes	yes	yes		
ESPRM1X	CV	Private plan 1 (emp.-spons.), monthly premium							yes	yes	yes	yes		
ESDEDA1	CDHP11	ESI plan 1, have deductible?									yes	yes	yes	yes
ESDEDB1	CDHP21	ESI plan 1, more/less than minimum annual deductible										yes		yes
ESDEDI1	CDHP2aF1	ESI plan 1, individual deductible										yes		yes
ESDEDF1	CDHP2aF1	ESI plan 1, family deductible										yes		yes
ESIFLX1	CDHP31	ESI plan 1, offer flexible spending account									yes	yes		
ESIHSA1	CDHP4	ESI plan 1, offer health savings account									yes	yes	yes	yes
EINFDR1	CDHP5a	ESI plan 1, provide doctor background									yes	yes		
EDRCHG1	CDHP5b	ESI plan 1, compare doctor charges									yes	yes		
EHSPCH1	CDHP5c	ESI plan 1, compare hospital charges									yes	yes		
EDRQUA1	CDHP5d	ESI plan 1, compare doctor quality									yes	yes		
EHSPQU1	CDHP5e	ESI plan 1, compare hospital quality									yes	yes		
PVPRM1X	CV	Private plan 1 (not emp.-spons.), monthly premium	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes

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**List of Variables in the Household Survey
Public Use and Restricted Use Data Files by Year**

Variable name	Question number	Description	1996-97		1998-99		2000-01		2003		2007		2010		
			Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	
NGDEDA1	CDHPNG11	Nongroup plan 1, have deductible?										yes	yes	yes	yes
NGDEDB1	CDHPNG21	Nongroup plan 1, more/less than minimum annual deductible											yes		yes
NGDEDI1	CDHPNG2A	Nongroup plan 1, individual deductible											yes		yes
NGDEDF1	CDHPNG2A	Nongroup plan 1, family deductible											yes		yes
NGHSA1	CDHPNG4	Nongroup plan 1, offer health savings account										yes	yes	yes	yes
NINFDR1	CDHPNG5a	Nongroup plan 1, provide doctor background										yes	yes		
NDRCHG1	CDHPNG5b	Nongroup plan 1, compare doctor charges										yes	yes		
NHSPCHI	CDHPNG5c	Nongroup plan 1, compare hospital charges										yes	yes		
NDRQUA1	CDHPNG5d	Nongroup plan 1, compare doctor quality										yes	yes		
NHSPQU1	CDHPNG5e	Nongroup plan 1, compare hospital quality										yes	yes		
PRVRX1	ngi1	Private plan 1 (not emp.-spons.), coverage of prescription medicines									yes		yes		yes
PVHIPM1	ngi2	Private plan 1 (not emp.-spons.), higher premium for pre-existing conditions									yes				
PVCVPX1	ngi3	Private plan 1 (not emp.-spons.), family has pre-existing conditions not covered									yes				
PRVSIG1	b331	Private plan 1, sign up with doctor	yes	yes	yes	yes	yes	yes	yes	yes	yes				
PVSIG1P	b331	Private plan 1, sign up with doctor	yes	yes	yes	yes	yes	yes	yes	yes	yes				
PRVREF1	b341	Private plan 1, need referral	yes	yes	yes	yes	yes	yes	yes	yes	yes				
PVREF1P	b341	Private plan 1, need referral	yes	yes	yes	yes	yes	yes	yes	yes	yes				
PRVLST1	b351	Private plan 1, list of doctors	yes	yes	yes	yes	yes	yes	yes	yes	yes				
PVLST1P	b351	Private plan 1, list of doctors	yes	yes	yes	yes	yes	yes	yes	yes	yes				

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**List of Variables in the Household Survey
Public Use and Restricted Use Data Files by Year**

Variable name	Question number	Description	1996-97		1998-99		2000-01		2003		2007		2010	
			Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use
PRVHMO1	b361	Private plan 1, HMO plan	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
PVHMO1P	b361	Private plan 1, HMO plan	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
PRVPAY1	b371	Private plan 1, pay without referral	yes	yes	yes	yes	yes	yes	yes	yes				
PVPAY1P	b371	Private plan 1, pay without referral	yes	yes	yes	yes	yes	yes	yes	yes				
PRVMOR1	b381	Employer 1 offers more than one plan	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes		
PRVBOT1	b391	Employer 1 offers HMO and nonHMO	yes	yes	yes	yes	yes	yes	yes	yes				
Private plan number 2														
PRVHLD2	b232	Private plan 2, policyholder	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
PRVINS2	b242	Private plan 2, covered	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
PRVJOB2	b252	Private plan 2, through job	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
PBKLET2	b26a	Private plan 2, plan information in booklet								yes				
PWEB2	b26b	Private plan 2, plan information on website								yes				
PRV1Y2	b292	Private plan 2, enrolled in last 12 months	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
PRV12M2	b292	Private plan 2, enrolled in last 12 months	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
ESICST2	b31111	Private plan 2 (emp.-spons.), paying partial cost								yes	yes	yes	yes	
ESPRM2X	CV	Private plan 2 (emp.-spons.), monthly premium								yes	yes	yes	yes	
ESDEDA2	CDHP11	ESI plan 2, have deductible?										yes	yes	yes
ESDEDB2	CDHP21	ESI plan 2, more/less than minimum annual deductible										yes		yes
ESDEDI2	CDHP2aF1	ESI plan 2, individual deductible										yes		yes
ESDEDF2	CDHP2aF1	ESI plan 2, family deductible										yes		yes
ESIFLX2	CDHP31	ESI plan 2, offer flexible spending account										yes	yes	
ESIHSA2	CDHP4	ESI plan 2, offer health savings account										yes	yes	yes
EINFDR2	CDHP5a	ESI plan 2, provide doctor										yes	yes	

Notes: Imputation flags are listed at the end of this appendix.

**List of Variables in the Household Survey
Public Use and Restricted Use Data Files by Year**

Variable name	Question number	Description	1996-97		1998-99		2000-01		2003		2007		2010	
			Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use
		background												
EDRCHG2	CDHP5b	ESI plan 2, compare doctor charges									yes	yes		
EHSPCH2	CDHP5c	ESI plan 2, compare hospital charges									yes	yes		
EDRQUA2	CDHP5d	ESI plan 2, compare doctor quality									yes	yes		
EHSPQU2	CDHP5e	ESI plan 2, compare hospital quality									yes	yes		
PVPRM2X	CV	Private plan 2 (not emp.-spons.), monthly premium	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
NGDEDA2	CDHPNG11	Nongroup plan 2, have deductible?									yes	yes	yes	yes
NGDEDB2	CDHPNG21	Nongroup plan 2, more/less than minimum annual deductible										yes		yes
NGDEDI2	CDHPNG2A	Nongroup plan 2, individual deductible										yes		yes
NGDEDF2	CDHPNG2A	Nongroup plan 2, family deductible										yes		yes
NGHSA2	CDHPNG4	Nongroup plan 2, offer health savings account									yes	yes	yes	yes
NINFDR2	CDHPNG5a	Nongroup plan 2, provide doctor background									yes	yes		
NDRCHG2	CDHPNG5b	Nongroup plan 2, compare doctor charges									yes	yes		
NHSPCH2	CDHPNG5c	Nongroup plan 2, compare hospital charges									yes	yes		
NDRQUA2	CDHPNG5d	Nongroup plan 2, compare doctor quality									yes	yes		
NHSPQU2	CDHPNG5e	Nongroup plan 2, compare hospital quality									yes	yes		
PRVRX2	ngi1	Private plan 2 (not emp.-spons.), coverage of prescription medicines								yes		yes		yes
PVHIPM2	ngi2	Private plan 2 (not emp.-spons.), higher premium for pre-existing conditions								yes				

Notes: Imputation flags are listed at the end of this appendix.

**List of Variables in the Household Survey
Public Use and Restricted Use Data Files by Year**

Variable name	Question number	Description	1996-97		1998-99		2000-01		2003		2007		2010	
			Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use
PVCVPX2	ngi3	Private plan 2 (not emp.-spons.), family has pre-existing conditions not covered								yes				
PRVSIG2	b332	Private plan 2, sign up with doctor	yes	yes	yes	yes	yes	yes	yes	yes				
PVSIG2P	b332	Private plan 2, sign up with doctor	yes	yes	yes	yes	yes	yes	yes	yes				
PRVREF2	b342	Private plan 2, need referral	yes	yes	yes	yes	yes	yes	yes	yes				
PVREF2P	b342	Private plan 2, need referral	yes	yes	yes	yes	yes	yes	yes	yes				
PRVLST2	b352	Private plan 2, list of doctors	yes	yes	yes	yes	yes	yes	yes	yes				
PVLST2P	b352	Private plan 2, list of doctors	yes	yes	yes	yes	yes	yes	yes	yes				
PRVHMO2	b362	Private plan 2, HMO plan	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
PVHMO2P	b362	Private plan 2, HMO plan	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
PRVPAY2	b372	Private plan 2, pay without referral	yes	yes	yes	yes	yes	yes	yes	yes				
PVPAY2P	b372	Private plan 2, pay without referral	yes	yes	yes	yes	yes	yes	yes	yes				
PRVMOR2	b382	Employer 2 offers more than one plan	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes		
PRVBOT2	b392	Employer 2 offers HMO and nonHMO	yes	yes	yes	yes	yes	yes	yes	yes				
Private plan number 3														
PRVHLD3	b233	Private plan 3, policyholder	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
PRVINS3	b243	Private plan 3, covered	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
PRVJOB3	b253	Private plan 3, through job	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
PBKLET3	b26a	Private plan 3, plan information in booklet								yes				
PWEB3	b26b	Private plan 3, plan information on website								yes				
PRV1Y3	b293	Private plan 3, enrolled in last 12 months	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
PRV12M3	b293	Private plan 3, enrolled in last 12 months	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
ESICST3	b31111	Private plan 3 (emp.-spons.), paying partial cost							yes	yes	yes	yes		
ESPRM3X	CV	Private plan 3 (emp.-spons.), monthly premium							yes	yes	yes	yes		

Notes: Imputation flags are listed at the end of this appendix.

**List of Variables in the Household Survey
Public Use and Restricted Use Data Files by Year**

Variable name	Question number	Description	1996-97		1998-99		2000-01		2003		2007		2010		
			Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	
ESDEDA3	CDHP11	ESI plan 3, have deductible?										yes	yes	yes	yes
ESDEDB3	CDHP21	ESI plan 3, more/less than minimum annual deductible											yes		yes
ESDEDI3	CDHP2aF1	ESI plan 3, individual deductible											yes		yes
ESDEDF3	CDHP2aF1	ESI plan 3, family deductible											yes		yes
ESIFLX3	CDHP31	ESI plan 3, offer flexible spending account										yes	yes		
ESIHSA3	CDHP4	ESI plan 3, offer health savings account										yes	yes	yes	yes
EINFDR3	CDHP5a	ESI plan 3, provide doctor background										yes	yes		
EDRCHG3	CDHP5b	ESI plan 3, compare doctor charges										yes	yes		
EHSPCH3	CDHP5c	ESI plan 3, compare hospital charges										yes	yes		
EDRQUA3	CDHP5d	ESI plan 3, compare doctor quality										yes	yes		
EHSPQU3	CDHP5e	ESI plan 3, compare hospital quality										yes	yes		
PVPRM3X	CV	Private plan 3 (not emp.-spons.), monthly premium	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
NGDEDA3	CDHPNG11	Nongroup plan 3, have deductible?										yes	yes	yes	yes
NGDEDB3	CDHPNG21	Nongroup plan 3, more/less than minimum annual deductible											yes		yes
NGDEDI3	CDHPNG2A	Nongroup plan 3, individual deductible											yes		yes
NGDEDF3	CDHPNG2A	Nongroup plan 3, family deductible											yes		yes
NGHSA3	CDHPNG4	Nongroup plan 3, offer health savings account										yes	yes	yes	yes
NINFDR3	CDHPNG5a	Nongroup plan 3, provide doctor background										yes	yes		
NDRCHG3	CDHPNG5b	Nongroup plan 3, compare doctor charges										yes	yes		

Notes: Imputation flags are listed at the end of this appendix.

**List of Variables in the Household Survey
Public Use and Restricted Use Data Files by Year**

Variable name	Question number	Description	1996-97		1998-99		2000-01		2003		2007		2010		
			Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	
NHSPCH3	CDHPNG5c	Nongroup plan 3, compare hospital charges										yes	yes		
NDRQUA3	CDHPNG5d	Nongroup plan 3, compare doctor quality										yes	yes		
NHSPQU3	CDHPNG5e	Nongroup plan 3, compare hospital quality										yes	yes		
PRVRX3	ngi1	Private plan 3 (not emp.-spons.), coverage of prescription medicines									yes		yes		yes
PVHIPM3	ngi2	Private plan 3 (not emp.-spons.), higher premium for pre-existing conditions									yes				
PVCVPX3	ngi3	Private plan 3 (not emp.-spons.), family has pre-existing conditions not covered									yes				
PRVSIG3	b333	Private plan 3, sign up with doctor	yes	yes	yes	yes	yes	yes	yes	yes	yes				
PVSIG3P	b333	Private plan 3, sign up with doctor	yes	yes	yes	yes	yes	yes	yes	yes	yes				
PRVREF3	b343	Private plan 3, need referral	yes	yes	yes	yes	yes	yes	yes	yes	yes				
PVREF3P	b343	Private plan 3, need referral	yes	yes	yes	yes	yes	yes	yes	yes	yes				
PRVLST3	b353	Private plan 3, list of doctors	yes	yes	yes	yes	yes	yes	yes	yes	yes				
PVLST3P	b353	Private plan 3, list of doctors	yes	yes	yes	yes	yes	yes	yes	yes	yes				
PRVHMO3	b363	Private plan 3, HMO plan	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
PVHMO3P	b363	Private plan 3, HMO plan	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
PRVPAY3	b373	Private plan 3, pay without referral	yes	yes	yes	yes	yes	yes	yes	yes	yes				
PVPAY3P	b373	Private plan 3, pay without referral	yes	yes	yes	yes	yes	yes	yes	yes	yes				
PRVMOR3	b383	Employer 3 offers more than one plan	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes		
PRVBOT3	b393	Employer 3 offers HMO and nonHMO	yes	yes	yes	yes	yes	yes	yes	yes	yes				
Military plan															
MILIN1Y	b411 or b41	Military plan, enrolled in last 12 months	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
MIL12M	b411 or b41	Military plan, enrolled in last 12 months	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes

Notes: Imputation flags are listed at the end of this appendix.

**List of Variables in the Household Survey
Public Use and Restricted Use Data Files by Year**

Variable name	Question number	Description	1996-97		1998-99		2000-01		2003		2007		2010	
			Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use
Medicare														
MCRSIGN	b51	Medicare, sign up with doctor	yes	yes	yes	yes	yes	yes	yes	yes				
MCRSIGP	b51	Medicare, sign up with doctor	yes	yes	yes	yes	yes	yes	yes	yes				
MCRREF	b52	Medicare, need referral	yes	yes	yes	yes	yes	yes	yes	yes				
MCRREFP	b52	Medicare, need referral	yes	yes	yes	yes	yes	yes	yes	yes				
MCRLST	b53	Medicare, list of doctors	yes	yes	yes	yes	yes	yes	yes	yes				
MCRLSTP	b53	Medicare, list of doctors	yes	yes	yes	yes	yes	yes	yes	yes				
MCRHMO	b54	Medicare, HMO plan	yes	yes	yes	yes	yes	yes	yes	yes				
MCRHMOP	b54	Medicare, HMO plan	yes	yes	yes	yes	yes	yes	yes	yes				
MCRHJOB	b55c	Medicare HMO, through job	yes	yes	yes	yes	yes	yes	yes	yes				
MCRPAY	b56	Medicare, pay without referral	yes	yes	yes	yes	yes	yes	yes	yes				
MCRPAYP	b56	Medicare, pay without referral	yes	yes	yes	yes	yes	yes	yes	yes				
MCRTYPE	B54R5	Type of Medicare coverage									yes	yes	yes	yes
MEDIGAP	B54supp	Covered by Medicare supplemental or Medigap policy									yes	yes	yes	yes
MCRPVRX	b54mg	Private plan cover at least some Rx costs									yes	yes	yes	yes
MCRPRTD	b54rx	Rx coverage through Medicare Part D									yes	yes	yes	yes
MCRIN1Y	b57	Medicare, enrolled in last 12 months	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
MCR12M	b57	Medicare, enrolled in last 12 months	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
FMCRSUP	b59	Covered by Medicare supplemental policy	yes	yes	yes	yes	yes	yes	yes	yes				
MCRSUP	b59	Covered by Medicare supplemental policy	yes	yes	yes	yes	yes	yes	yes	yes				
MCRSUPJ	b59a or 59a1	Medicare, supplemental through job	yes	yes	yes	yes	yes	yes	yes	yes				
MCRSUPP	b59b	Medicare, supplemental premium	yes	yes										
MCRSUPU	b59c	Medicare, supplemental premium unit	yes	yes										
Medicare and Medicaid														
FMCRMCD	b60	Covered by Medicare and Medicaid	yes	yes										

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**List of Variables in the Household Survey
Public Use and Restricted Use Data Files by Year**

Variable name	Question number	Description	1996-97		1998-99		2000-01		2003		2007		2010	
			Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use
MCRMCD	b60	Covered by Medicare and Medicaid	yes	yes										
Medicaid														
MCDSIGN	b61	Medicaid, sign up with doctor	yes	yes										
MCDSIGP	b61	Medicaid, sign up with doctor	yes	yes										
MCDREF	b62	Medicaid, need referral	yes	yes										
MCDREFP	b62	Medicaid, need referral	yes	yes										
MCDLST	b63	Medicaid, list of doctors	yes	yes										
MCDLSTP	b63	Medicaid, list of doctors	yes	yes										
MCDHMO	b64	Medicaid, HMO plan	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
MCDHMOP	b64	Medicaid, HMO plan	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
MCDPAY	b66	Medicaid, pay without referral	yes	yes										
MCDPAYP	b66	Medicaid, pay without referral	yes	yes										
MCDIN1Y	b67	Medicaid, enrolled in last 12 months	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
MCD12M	b67	Medicaid, enrolled in last 12 months	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
MCDPRMF	b69prem	Medicaid, any premium paid									yes	yes		
Other state plans and other insurance plans not mentioned														
STPHD	b71	State/other plan, policyholder number	yes	yes	yes	yes	yes	yes	yes	yes				
STSIGN	b72	State/other plan, sign up with doctor	yes	yes										
STSIGP	b72	State/other plan, sign up with doctor	yes	yes										
STREF	b73	State/other plan, need referral	yes	yes										
STREFP	b73	State/other plan, need referral	yes	yes										
STLST	b74	State/other plan, list of doctors	yes	yes										
STLSTP	b74	State/other plan, list of doctors	yes	yes										
STHMO	b75	State/other plan, HMO plan	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
STHMOP	b75	State/other plan, HMO plan	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
STPAY	b76	State/other plan, pay without referral	yes	yes										
STPAYP	b76	State/other plan, pay without referral	yes	yes										

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**List of Variables in the Household Survey
Public Use and Restricted Use Data Files by Year**

Variable name	Question number	Description	1996-97		1998-99		2000-01		2003		2007		2010	
			Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use
STIN1Y	b77	State/other plan, enrolled in last 12 months	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
ST12M	b77	State/other plan, enrolled in last 12 months	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
STPRMF	b78prem	State/other plan, any premium paid									yes	yes		
Uninsured														
UNINCOV	b80 or b801	Uninsured, covered anytime in last 12 months	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
UNINPLX	b81	Uninsured, covered in last 12 months, type of insurance plan	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
UNINHMO	b82	Uninsured, covered in last 12 months, insurance plan was HMO	yes	yes	yes	yes	yes	yes	yes	yes				
UNINSR1	b84	Reason uninsured: lost job/changed employers	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
UNINSR2	b84	Reason uninsured: spouse/parent lost/changed job	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
UNINSR3	b84	Reason uninsured: divorced/death of spouse/parent	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
UNINSR4	b84	Reason uninsured: ineligible, age/left school	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
UNINSR5	b84	Reason uninsured: employer stop offering coverage	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
UNINSR6	b84	Reason uninsured: became part time/temporary	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
UNINSR7	b84	Reason uninsured: benefits from employer ran out	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
UNINSR8	b84	Reason uninsured: cannot afford premiums	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
UNINSR9	b84	Reason uninsured: insurance plan raised premiums	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
UNINR10	b84	Reason uninsured: insurance co. refused coverage	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
UNINR11	b84	Reason uninsured: uninsured,	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes

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**List of Variables in the Household Survey
Public Use and Restricted Use Data Files by Year**

Variable name	Question number	Description	1996-97		1998-99		2000-01		2003		2007		2010	
			Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use
		other reason												
UNINR12	b84	Reason uninsured: ineligible/lost public assistance	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
UNINR13	b84	Reason uninsured: failed to re-enroll	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
UNINR14	b84	Reason uninsured: unhappy with plan	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
UNINMCD	b84a	Believe eligible for Medicaid							yes	yes				
Previous health insurance														
PREINS	b851	Type of previous insurance		yes		yes		yes		yes		yes		yes
PREINSX	b851	Type of previous insurance	yes		yes		yes		yes		yes		yes	
PREHMO	b871	Previous insurance an HMO	yes	yes	yes	yes	yes	yes	yes	yes				
PRECOV	CV	Previous insurance type -- hierarchical		yes		yes		yes		yes		yes		yes
PRECOVX	CV	Previous insurance type -- hierarchical	yes		yes		yes		yes		yes		yes	
CHGINS1	b881	Change insurance, own/spouse job change	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
CHGINS2	b881	Change insurance, employer offerings changed	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
CHGINS3	b881	Change insurance, current plan less expensive	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
CHGINS4	b881	Change insurance, current plan better services	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
CHGINS5	b881	Change insurance, other	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
CHGINS6	b881	Change insurance, eligibility status changed	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
CHGINS7	b881	Change insurance, not an actual change	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
HMOEVR	b921 or b901	Ever enrolled in an HMO	yes	yes	yes	yes	yes	yes	yes	yes				
HMOYRSX	CV	Years enrolled in HMO	yes	yes	yes	yes	yes	yes	yes	yes				
Non-groups plans														
NGTRY	NGH1	Nongroup plan, try to buy in last 3 years									yes	yes		

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**List of Variables in the Household Survey
Public Use and Restricted Use Data Files by Year**

Variable name	Question number	Description	1996-97		1998-99		2000-01		2003		2007		2010		
			Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	
NGPRBLM	NGI2	Nongroup plan, problem trying to purchase										yes	yes		
NGPRB3Y	NGI2A	Nongroup plan, have policy and problem trying to purchase										yes	yes		
NGPURCH	NGI3	Nongroup plan, purchased on own										yes	yes		
NGPURMN	NGI4_mo	Nongroup plan, month purchased											yes		
NGPURYR	NGI4_yr	Nongroup plan, year purchased											yes		
NGNMON	NGI5	Nongroup plan, number of months covered										yes	yes		
Preferences															
MCHOICE	b951	Willingness to accept limited choice to save money	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes		
Insurance denial															
DENIANY	b98	Anyone in family denied health insurance because of poor health	yes	yes											
DENHLH	b99	Person denied health insurance because of poor health	yes	yes											

Section C: Resource Use and Unmet Need

Hospital and emergency room															
HSPSTYN	c121	Number of overnight hospital stays	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
HSPNODX	CV	Number of overnight hospital stays, excluding childbirth	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
HSPERX	c151	Number of hospital stays admitted thru emergency room	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
HSPNITX	c161	Total nights spent in hospital	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
ERUSENX	c221	Number of emergency room visits without hospital admission	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
TOTERX	CV	Total number of emergency room visits	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
ERLSTVS	er1	Last ER visit: for								yes	yes				

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**List of Variables in the Household Survey
Public Use and Restricted Use Data Files by Year**

Variable name	Question number	Description	1996-97		1998-99		2000-01		2003		2007		2010	
			Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use
		accident/injury vs. other												
ERCNTAC	er3	ER visit not for accident/injury: contacted health professional							yes	yes				
ERUSEDR	er4	ER visit not for accident/injury: health professional said go to ER							yes	yes				
ERTRYDR	er5	ER visit not for accident/injury: tried to contact health professional							yes	yes				
EROTHPL	er6	ER visit not for accident/injury: could get treatment somewhere else							yes	yes				
ERCHOSE	er8	ER visit not for accident/injury: reason for not going to non-ER place								yes				
ERADMIT	er9	ER visit not for accident/injury: resulted in overnight hospital stay							yes	yes				
Physicians and other medical professionals														
DRVISNX	c311	Number of doctor visits	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
DPHYEXM	c3p1	Any visits for routine preventive care			yes	yes	yes	yes	yes	yes				
DRTNPRM	c3c1	Any visits for check-up for ongoing health problem			yes	yes	yes	yes	yes	yes				
MPVISNX	c331	Number of medical professional visits	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Surgery														
SURGNX	c421	Total number of surgeries	yes	yes	yes	yes	yes	yes	yes	yes				
SURGNTX	c431	Number of surgeries with overnight hospital stay	yes	yes	yes	yes	yes	yes	yes	yes				
SURGOPX	CV	Number of outpatient surgeries	yes	yes	yes	yes	yes	yes	yes	yes				
Mental health														
MENTAL	c511	Any mental health visits	yes	yes	yes	yes	yes	yes	yes	yes				
Home health care														
NURCARE	c521	Any home health visits	yes	yes										
Preventive services														

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Public Use and Restricted Use Data Files by Year**

Variable name	Question number	Description	1996-97		1998-99		2000-01		2003		2007		2010	
			Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use
FLUSHOT	c531	Had flu shot	yes	yes	yes	yes	yes	yes						
MAMMG	c611	Ever had a mammogram	yes	yes	yes	yes	yes	yes						
MAMLASX	c621	Time since last mammogram	yes	yes	yes	yes	yes	yes						
Unmet need														
UNMET	c811	Did not get needed medical care	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
PUTOFF	c821	Postponed needed medical care	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
PUTOFR1	c831	Postponed care, worry about cost	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
PUTOFR2	c831	Postponed care, would not accept the insurance	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
PUTOFR3	c831	Postponed care, health plan would not pay	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
PUTOFR4	c831	Postponed care, could not get appointment soon	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
PUTOFR5	c831	Postponed care, can not be at clinic when open	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
PUTOFR6	c831	Postponed care, takes too long to get to doctor	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
PUTOFR7	c831	Postponed care, could not get through on telephone	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
PUTOFR8	c831	Postponed care, wait in the office too long	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
PUTOFR9	c831	Postponed care, don't know where to go	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
PUTOFR10	c831	Postponed care, can't get referral from doctor	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
PUTOFR11	c831	Postponed care, other related to health system	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
PUTOFR12	c831	Postponed care, change in health insurance	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
PUTOFR13	c831	Postponed care, other insurance-related problems	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
PUTOFR14	c831	Postponed care, no time/too busy	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes

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Variable name	Question number	Description	1996-97		1998-99		2000-01		2003		2007		2010		
			Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	
PUTOF15	c831	Postponed care, can't get off work	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
PUTOF16	c831	Postponed care, transportation problems	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
PUTOF17	c831	Postponed care, caring for family members	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
PUTOF18	c831	Postponed care, too sick	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
PUTOF19	c831	Postponed care, bad experience with doctor	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
PUTOF20	c831	Postponed care, didn't think serious enough	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
PUTOF21	c831	Postponed care, too lazy/procrastinated	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
PUTOFR0	c831	Postponed care, other reason to put off care	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
UMETDR	unmet2	Unmet need, saw doctor							yes	yes					
UMETDRX	unmet2a	Unmet need, postponed seeing doctor							yes	yes					
UMETSP	unmet3	Unmet need, referred to specialist							yes	yes					
UMETSPX	unmet3a	Unmet need, action after specialist referral							yes	yes					
UMETTST	unmet4	Unmet need, doctor ordered tests							yes	yes					
UMETTSX	unmet4a	Unmet need, action after tests ordered							yes	yes					
UMETPRC	unmet5	Unmet need, doctor ordered medical procedure							yes	yes					
UMETPRX	unmet5a	Unmet need, action after medical procedure ordered							yes	yes					
UMETMDC	c841	Can't afford needed prescription medicines					yes	yes	yes	yes	yes	yes	yes	yes	
GETMED	c90	Easier or harder to get medical care	yes	yes											
Out-of-pocket costs															
MEDCSTA	CV	Out-of-pocket medical costs		yes		yes		yes		yes		yes		yes	
MEDCSTB	CV	Out-of-pocket medical costs		yes		yes		yes		yes		yes		yes	
MEDCSTX	CV	Out-of-pocket medical costs	yes		yes		yes		yes		yes		yes		

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			Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	
Problems paying medical bills															
BILLPRB	c94	Any problems paying medical bills							yes	yes	yes	yes	yes	yes	
BILLCOL	c95a	Medical bills, contacted by collection agency							yes	yes	yes	yes	yes	yes	
BILLNEC	c95b	Medical bills, problems paying for other necessities							yes	yes	yes	yes	yes	yes	
BILLMAJ	c95c	Medical bills, postponed major purchases							yes	yes	yes	yes	yes	yes	
BILLSAV	c95d	Medical bills, used savings							yes	yes	yes	yes	yes	yes	
BILLBOR	c95e	Medical bills, borrowed							yes	yes	yes	yes	yes	yes	
BRTHINK	c95f	Medical bills, consider filing for bankruptcy									yes	yes	yes	yes	
BRPTEVR	c95f1	Medical bills, did you file for bankruptcy									yes	yes	yes	yes	
CAREDEN	c95g	Medical bills, been denied medical care									yes	yes	yes	yes	
BP_ACC	C96_1	Bill problem, accident/injury									yes	yes	yes	yes	
BP_ILL	C96_2	Bill problem, an illness									yes	yes	yes	yes	
BP_TEST	C96_3	Bill problem, medical test/procedure									yes	yes	yes	yes	
BP_BRTH	C96_4	Bill problem, birth of a child									yes	yes	yes	yes	
BP_ROUT	C96_5	Bill problem, routine health care									yes	yes	yes	yes	
BP_OTH	C96_6	Bill problem, other									yes	yes	yes	yes	
BP_INS	C97	Bill problem, insured or uninsured									yes	yes	yes	yes	
BP_COVR	C98	Bill problem, how much covered by health plan									yes	yes			
BPDSCNT	c99a	Bill problem, any offer to discount the bill									yes	yes			
BPFREE	c99b	Bill problem, inform you about free care									yes	yes			
BPPUBL	c99c	Bill problem, inform about public assistance									yes	yes			
BPPPLN	c99d	Bill problem, suggest a payment plan									yes	yes			

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Public Use and Restricted Use Data Files by Year**

Variable name	Question number	Description	1996-97		1998-99		2000-01		2003		2007		2010	
			Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use
BPLOAN	c99e	Bill problem, suggest you take out a loan									yes	yes		
BPREFR	c99f	Bill problem, refer you to another provider									yes	yes		
BPWHEN	C100	Bill problem, when receive first medical bill									yes	yes	yes	yes
BPOWNA	C101_2	Bill problem, amount owed in medical bills										yes		yes
BPOWNB	C101a	Bill problem, amount medical bills, category										yes		yes
BPOWNX	CV	Bill problem, amount medical bills, category									yes		yes	
BPAMTPD	C102	Bill problem, amount paid in past 12 months									yes	yes	yes	yes
BPWHNPY	C103	Bill problem, when pay off medical bills									yes	yes	yes	yes
In-store retail clinic														
ISCEVR	RC1	Ever use in-store health clinic									yes	yes	yes	yes
ISC12M	RC1a	In-store clinic, used in past 12 months									yes	yes	yes	yes
ISCILL	RC2a	In-store clinic, new illness or symptom										yes		yes
ISCVAC	RC2b	In-store clinic, vaccination										yes		yes
ISCEXAM	RC2c	In-store clinic, physical exam										yes		yes
ISCCHRN	RC2d	In-store clinic, care for chronic condition										yes		yes
ISCRX	RC2e	In-store clinic, prescription renewal										yes		yes
ISCOTH	RC2f	In-store clinic, other										yes		yes
ISCUSC	RC3a	In-store clinic, no regular source of care									yes	yes	yes	yes
ISCAPPN	RC3b	In-store clinic, no need to make an appointment									yes	yes	yes	yes
ISCCST	RC3c	In-store clinic, cost lower than other source of care									yes	yes	yes	yes
ISCLOC	RC3d	In-store clinic, location more convenient									yes	yes	yes	yes

Notes: Imputation flags are listed at the end of this appendix.

**List of Variables in the Household Survey
Public Use and Restricted Use Data Files by Year**

Variable name	Question number	Description	1996-97		1998-99		2000-01		2003		2007		2010		
			Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	
ISCHRS	RC3e	In-store clinic, hours more convenient										yes	yes	yes	yes
ISCCOVR	RC4	In-store clinic, did insurance pay cost										yes	yes	yes	yes
Onsite workplace health clinic															
OWCEVR	RC5	Ever use onsite workplace health clinic										yes	yes	yes	yes
OWC12M	RC5a	Workplace clinic, used in past 12 months										yes	yes	yes	yes
OWCWRK	RC6a	Workplace clinic, treat work related injury										yes	yes	yes	yes
OWCVAC	RC6b	Workplace clinic, vaccination										yes	yes	yes	yes
OWCILL	RC6c	Workplace clinic, new illness or symptom										yes	yes	yes	yes
OWCEXAM	RC6d	Workplace clinic, physical exam										yes	yes	yes	yes
OWCCHRN	RC6e	Workplace clinic, care for chronic condition											yes		yes
OWCRX	RC6f	Workplace clinic, prescription renewal										yes	yes	yes	yes
OWCOTH	RC6g	Workplace clinic, other											yes		yes
OWCUSC	RC7a	Workplace clinic, no regular source of care										yes	yes	yes	yes
OWCAPPN	RC7b	Workplace clinic, no need to make an appointment										yes	yes	yes	yes
OWCCST	RC7c	Workplace clinic, cost lower than other source of care										yes	yes	yes	yes
OWCLOC	RC7d	Workplace clinic, location more convenient										yes	yes	yes	yes
OWCHRS	RC7e	Workplace clinic, hours more convenient										yes	yes	yes	yes

Section D: Usual Source of Care and Patient Trust in Physician

Usual source of care																
ITWEB	IT1	Ever use the internet											Moved in Round 6 -see inform	Moved in Round 6 -see informa	yes	yes

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**List of Variables in the Household Survey
Public Use and Restricted Use Data Files by Year**

Variable name	Question number	Description	1996-97		1998-99		2000-01		2003		2007		2010		
			Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	
												ation technology	tion technology		
ITOFTN	IT2	Internet, how often go online										Moved in Round 6 -see information technology	Moved in Round 6 -see information technology	yes	yes
USCARE	d101	Has usual source of care	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
USCTYPE	d111	Usual source of care – type of place	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
USCPAY	sn1	If uninsured: paying full vs. reduced price at usual source of care							yes	yes	yes	yes	yes	yes	yes
USCTIME	d121time	Length of time going to usual source of care												yes	yes
USCMKAPX	CAHPS5	Make doctor appointment in last 12 months												yes	yes
USCWTAPX	E261R5	Appointment lag time, category													yes
USCWTAPC	E261R5	Appointment lag time, category												yes	
ACCNITE	ACCESS1	Night or weekend office hours at usual source of care												yes	yes
ACCURGT	ACCESS2	Tried to contact usual source of care after regular office hours in last 12 months												yes	yes
ACCDFCT	ACCESS3	How difficult to contact doctor or other provider at usual source of care after regular office hours												yes	yes
ITAVAIL	IT3	Able to ask medical question at usual source of care via e-mail or website												yes	yes
ITYRCNT	IT4	Asked question via e-mail or website in last 12 months												yes	yes
ITGETANS	IT5	How often get answer to e-mail/website question as soon as needed												yes	yes
USCPROF	d121	Type of provider at usual	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes

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**List of Variables in the Household Survey
Public Use and Restricted Use Data Files by Year**

Variable name	Question number	Description	1996-97		1998-99		2000-01		2003		2007		2010	
			Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use
		source of care												
USCDTYP	d121spec	Usual source, PCP or spec?									yes	yes	yes	yes
USCSAME	d131	See same provider at usual source of care	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
TAKERX	rx1	Take any prescription medicine in last 12 months											yes	yes
USCTLKRX	rx2	Usual provider discuss all prescription drugs taken?											yes	yes
USCNVST	USCVISIT2	Number of visits to usual source of care in the last 12 months											yes	yes
USCTEST	medtest1	Usual provider ordered blood test, x-ray or other test in the last 12 months											yes	yes
USCGTTEST	medtest2	Got test or x-ray ordered by usual provider in the last 12 months											yes	yes
USCFLTEST	medtest3	How often did someone from usual source of care follow up on test or x-ray											yes	yes
USCITUSE	IT7	Usual provider used computer or handheld device during office visit in the last 12 months											yes	yes
USCITRST	IT8	Usual provider used a computer or handheld device to look up test results or other information											yes	yes
USCITINF	IT9	Usual provider used a computer or handheld device to share information											yes	yes
USCITRX	IT10	Usual provider used a computer or handheld device to order prescription medicines											yes	yes
USCITHLP	IT11	Was use of computer or handheld device helpful?											yes	yes
USCCHG	d141	Any change in usual source in the last 12 months	yes	yes	yes	yes	yes	yes	yes	yes	yes			
USCRCHG	d151	Reason for change in usual source of care	yes	yes	yes	yes	yes	yes	yes	yes	yes			

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**List of Variables in the Household Survey
Public Use and Restricted Use Data Files by Year**

Variable name	Question number	Description	1996-97		1998-99		2000-01		2003		2007		2010	
			Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use
USCRHLH	d161	Insurance reason for change in usual source of care			yes	yes	yes	yes	yes	yes				
USCROTH	d171	Other reason for change in usual source of care			yes	yes	yes	yes	yes	yes				
USCNOR1	d201	Reason for change: seldom/never sick	yes	yes										
USCNOR2	d201	Reason for change: recently moved into the area	yes	yes										
USCNOR3	d201	Reason for change: usual source not available	yes	yes										
USCNOR4	d201	Reason for change: no insurance	yes	yes										
USCNOR5	d201	Reason for change: other reason	yes	yes										
Place offering affordable medical care (for families with any uninsured members)														
AFFRDCR	sn2	Any place offering affordable medical care							yes	yes	yes	yes		
AFFDTYP	sn3	Type of place offering affordable medical care								yes		yes		
Reduced-price usual source of care / place offering affordable medical care (for families with any uninsured members)														
AFFTRAV	CV	Travel time								yes		yes		
AFFSEEN	sn5	Any visit in past 12 months							yes	yes	yes	yes		
AFFRSN	sn6	Reason not visiting: whether any reason given							yes	yes				
AFFRSN1	sn6	Reason not visiting: no need							yes	yes				
AFFRSN2	sn6	Reason not visiting: stigma							yes	yes				
AFFRSN3	sn6	Reason not visiting: not eligible							yes	yes				
AFFRSN4	sn6	Reason not visiting: too far away							yes	yes				
AFFRSN5	sn6	Reason not visiting: wait too long							yes	yes				
AFFRSN6	sn6	Reason not visiting: needed services not available							yes	yes				
AFFRSN7	sn6	Reason not visiting: poor quality care							yes	yes				

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**List of Variables in the Household Survey
Public Use and Restricted Use Data Files by Year**

Variable name	Question number	Description	1996-97		1998-99		2000-01		2003		2007		2010	
			Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use
AFFRSN8	sn6	Reason not visiting: bad neighborhood							yes	yes				
AFFRSN9	sn6	Reason not visiting: no transportation							yes	yes				
AFFRN10	sn6	Reason not visiting: language barrier							yes	yes				
AFFRN11	sn6	Reason not visiting: hours not convenient							yes	yes				
AFFRN12	sn6	Reason not visiting: other reason							yes	yes				
Patient trust in physician														
DRNOREF	d311	Agreement: Doctor may not refer when needed	yes	yes	yes	yes	yes	yes	yes	yes				
DRMETND	d321	Agreement: Doctor puts medical needs first	yes	yes	yes	yes	yes	yes	yes	yes				
DRINFLU	d331	Agreement: Doctor influenced by insurance company rules	yes	yes	yes	yes	yes	yes	yes	yes				
DRUNNEC	d341	Agreement: Doctor might perform unnecessary tests or procedures	yes	yes	yes	yes	yes	yes	yes	yes				
Attitudes about medical care														
DRFEELB	d351	True or false: Visit doctor as soon as feeling bad							yes	yes				
DRAVOID	d361	True or false: Avoid doctors							yes	yes				
Section E: Health Care Satisfaction and Ratings, Health Status, and Consumer Information														
Satisfaction with health care														
CRSAFX	CV	Satisfaction with family's health care	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Satisfaction with choice of physicians														
DRCHOXC	CV	Satisfaction with choice of primary care doctors	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
SPNEED	e141, k14	Needed a specialist	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
SPSEEN	cahps12, kcahps12	Saw a specialist in last 12 months					yes	yes	yes	yes	yes	yes	yes	yes
SPECWHO	CAHPSP1	Was specialist usual provider or other specialist?											yes	yes

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**List of Variables in the Household Survey
Public Use and Restricted Use Data Files by Year**

Variable name	Question number	Description	1996-97		1998-99		2000-01		2003		2007		2010		
			Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	
SPECSRC	CAHPSSP2	Who recommended specialist?											yes	yes	
SPCHOCX	CV	Satisfaction with choice of specialists	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
UDRINFO	e1512	Usual doctor up-to-date on care from specialist									yes	yes	yes	yes	
UDRFOLW	e1513	Usual doctor ask about your specialist visit									yes	yes	yes	yes	
Problems and satisfaction with health plan															
MAKEAPP	CAHPS5	Make doctor appointment in last 12 months									yes	yes	see usual source of care section	see usual source of care section	
WTAPPX	E261R5	Appointment lag time, category										yes	see usual source of care section	see usual source of care section	
WTAPXX	E261R5	Appointment lag time, category									yes		see usual source of care section	see usual source of care section	
DIFFLNG	cahpslang	Different language than health care practitioner							yes	yes	yes	yes			
GETREFR	cahps10, kcahps10	Problem getting referral to specialist							yes	yes					
REQAPRVA	cahps23s	Needed health plan approval, adults							yes	yes					
GETAPRVA	cahps23	Problem waiting for health plan approval, adults							yes	yes					
REQPWRK	cahps37s, kcahps37s	Had to fill out health plan paperwork							yes	yes					
PAPRWRKA	cahps37	Problem filling out health plan paperwork, adults							yes	yes					
BNFSAFX	CV (sp14, sp14x, ksp14, ksp14x)	Satisfaction: amount paying for health care							yes	yes					
RATING	cahps38, kcahps38	Rating for the health plan					yes	yes	yes	yes					
Accompanied child															

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**List of Variables in the Household Survey
Public Use and Restricted Use Data Files by Year**

Variable name	Question number	Description	1996-97		1998-99		2000-01		2003		2007		2010	
			Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use
TAKEID	e16x	Person number of family member who took child to doctor	yes	yes	yes	yes	yes	yes	yes	yes				
Health problem or preventive care														
SICKCR	e161, k16	Visited doctor for health problem	yes	yes	yes	yes	yes	yes	yes	yes				
CHKASIK	e181, k18	Had visit for health problem, any preventive care	yes	yes	yes	yes	yes	yes	yes	yes				
CHECKUP	e201, k20	No visit for health problem, any preventive care	yes	yes	yes	yes	yes	yes	yes	yes				
Last physician visit														
DRORSP	e221, k22	Saw doctor or specialist for last visit	yes	yes	yes	yes	yes	yes	yes	yes				
LSTYPE	CV	Last visit, sickness or preventive	yes	yes	yes	yes	yes	yes	yes	yes				
VISCUR	CV	Last visit, under current insurance plan	yes	yes	yes	yes	yes	yes	yes	yes				
LSTUSC	e241	Last visit, to usual place	yes	yes	yes	yes			yes	yes				
LSTUSCA	e241	Last visit, to usual place, adults					yes	yes						
LSTOER	E241	Last visit, to an emergency room	yes	yes	yes	yes			yes	yes				
LSTOERA	E241	Last visit, to an emergency room, adults					yes	yes						
LSTAPP	e251	Last visit, had appointment	yes	yes	yes	yes			yes	yes				
LSTAPPA	e251	Last visit, had appointment, adults					yes	yes						
LSTAPPX	CV	Last visit, time until appointment	yes	yes		yes				yes				
LSTAPPXX	CV	Last visit, time until appointment	yes	yes					yes					
LSTATAX	CV	Last visit, time until appointment, adults						yes						
LSTATAXX	CV	Last visit, time until appointment, adults					yes							
LSTWATX	CV	Last visit, waiting time in doctor's office	yes	yes	yes	yes	yes	yes	yes	yes				
LSTRAVX	CV	Last visit, travel time	yes	yes		yes		yes		yes				
LSTRAVXX	CV	Last visit, travel time	yes	yes	yes		yes		yes					

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**List of Variables in the Household Survey
Public Use and Restricted Use Data Files by Year**

Variable name	Question number	Description	1996-97		1998-99		2000-01		2003		2007		2010	
			Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use
LSTHOR	e301, k30	Thoroughness of the exam	yes	yes	yes	yes	yes	yes	yes	yes				
LSTLISN	e311, k31	How well doctor listened	yes	yes	yes	yes	yes	yes	yes	yes				
LSTEXPL	e321, k32	How well doctor explained	yes	yes	yes	yes	yes	yes	yes	yes				
UNINFEE	e331	Physician charge for most recent visit								yes				
UNINPAY	e341	Amount paid for most recent visit								yes				
Health status														
GENHLH	CV	General health condition	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
LMTMACT	e411	Limited in moderate activities	yes	yes	yes	yes	yes	yes	yes					
LMTSTR	e421	Limited in climbing stairs	yes	yes	yes	yes	yes	yes	yes					
PHYLESS	e431	Accomplished less because of physical health	yes	yes	yes	yes	yes	yes	yes					
PHYACT	e441	Physical health limited work	yes	yes	yes	yes	yes	yes	yes					
EMOLESS	e451	Accomplished less because of emotional problems	yes	yes	yes	yes	yes	yes	yes					
EMOACT	e461	Emotional problems limited work	yes	yes	yes	yes	yes	yes	yes					
PAININT	e471	Pain interfered with work	yes	yes	yes	yes	yes	yes	yes					
LMTSOC	e481	Physical health or emotional problems interfered socially	yes	yes	yes	yes	yes	yes	yes					
FLCALM	e491	Felt calm and peaceful	yes	yes	yes	yes	yes	yes	yes					
FLCALM4	e491	Felt calm and peaceful, not imputed								yes	yes			
ENERGY	e501	Had a lot of energy	yes	yes	yes	yes	yes	yes	yes					
FLDOWN	e511	Felt downhearted and blue	yes	yes	yes	yes	yes	yes	yes					
FLDOWN4	e511	Felt downhearted and blue, not imputed								yes	yes			
PCS12	CV	SF-12 Physical Component Summary	yes	yes	yes	yes	yes	yes	yes					
MCS12	CV	SF-12 Mental Component Summary	yes	yes	yes	yes	yes	yes	yes					
Happiness														
HAPPY	gss157	Overall level of happiness						yes	yes	yes	yes			
Chronic conditions (adults)														

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Variable name	Question number	Description	1996-97		1998-99		2000-01		2003		2007		2010	
			Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use
HAVBABY	cc1	Had a baby in last two years				yes		yes		yes		yes		
ACNE	cc2a	Saw doctor for acne				yes								
HDACHE	cc2b	Saw doctor for headaches				yes								
UTRNBLD	cc2c	Saw doctor for abnormal uterine bleeding				yes		yes		yes		yes		
ALCHPRM	cc2d	Saw doctor for alcohol related problems				yes								
CATRCT	cc3a	Cataracts				yes								
CATRCTX	cc3a	Saw doctor for cataracts				yes								
DIABET	cc3b	Diabetes				yes		yes		yes		yes		yes
DIABETX	cc3b	Saw doctor for diabetes				yes		yes		yes		yes		yes
ARTHRS	cc3c	Arthritis				yes		yes		yes		yes		yes
ARTHRSX	cc3c	Saw doctor for arthritis				yes		yes		yes		yes		yes
RHARTHR	c3AC	Rheumatoid arthritis				yes								
ASTHMA	cc3d	Asthma				yes		yes		yes		yes		yes
ASTHMAX	cc3d	Saw doctor for asthma				yes		yes		yes		yes		yes
COPD	cc3e	Chronic obstructive pulmonary disease				yes		yes		yes		yes		yes
COPDX	cc3e	Saw doctor for chronic obstructive pulmonary disease				yes		yes		yes		yes		yes
ATLFBR	cc3f	Atrial fibrillation				yes								
ATLFBRX	cc3f	Saw doctor for atrial fibrillation				yes								
HYPTEN	cc3g	Hypertension				yes		yes		yes		yes		yes
HYPTENX	cc3g	Saw doctor for hypertension				yes		yes		yes		yes		yes
HICHOL	cc3h	High cholesterol				yes								
HICHOLX	cc3h	Saw doctor for high cholesterol				yes								
HRTDIS	cc3i	Coronary heart disease						yes		yes		yes		yes
HRTDISX	cc3i	Saw doctor for coronary heart disease						yes		yes		yes		yes
ATHRSCL	cc4a	Atherosclerosis				yes								
ATHRSCLX	cc4a	Saw doctor for atherosclerosis				yes								
ISCHMC	cc4b	Ischemic heart disease				yes								
ISCHMCX	cc4b	Saw doctor for ischemic heart disease				yes								
ANGINA	cc4c	Angina				yes								

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			Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use
ANGINAX	cc4c	Saw doctor for angina				yes								
CABG	c4ae	Angioplasty				yes								
CHF	cc4d	Congestive heart disease				yes								
CHFX	cc4d	Saw doctor for congestive heart disease				yes								
DIURTC	c4af	Ever taken diuretics for heart condition				yes								
STROKE	cc4e	Stroke				yes								
STROKEX	cc4e	Saw doctor for stroke				yes								
BRTCAN	cc5b	Breast cancer				yes								
BRTCANX	cc5b	Saw doctor for breast cancer				yes								
SKNCAN	cc5c	Skin cancer				yes		yes		yes		yes		yes
SKNCANX	cc5c	Saw doctor for skin cancer				yes		yes		yes		yes		yes
LNGCAN	cc5d	Lung cancer				yes								
LNGCANX	cc5d	Saw doctor for lung cancer				yes								
CLNCAN	cc5e	Colon cancer				yes								
CLNCANX	cc5e	Saw doctor for colon cancer				yes								
PRSCAN	cc5f	Prostate cancer				yes								
PRSCANX	cc5f	Saw doctor for prostate cancer				yes								
PRSBGN	c5f4	Benign prostate disease				yes		yes		yes		yes		yes
PRSBGNX	c5f4	Saw doctor for benign prostate disease				yes		yes		yes		yes		yes
CANCER	cc5h	Cancer other than skin cancer						yes		yes		yes		yes
CANCERX	cc5h	Saw doctor for cancer other than skin cancer						yes		yes		yes		yes
HERNIA	cc6a	Hernia				yes								
HERNIA X	cc6a	Saw doctor for hernia				yes								
ULCER	cc6b	Ulcer				yes								
ULCERX	cc6b	Saw doctor for ulcer				yes								
GASTRS	cc6c	Gastritis				yes								
GASTRSX	cc6c	Saw doctor for gastritis				yes								
HIV	cc6d	HIV or AIDS				yes								
HIVX	cc6d	Saw doctor for HIV or AIDS				yes								
DPRESN	cc6e	Depression				yes		yes		yes		yes		yes

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			Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use
DPRESNX	cc6e	Saw doctor for depression				yes		yes		yes		yes		yes
MEDPROB	cc7	Any doctor visit for serious medical problem						yes		yes		yes		yes
Symptom response module														
SYNECK	srm1a	Back or neck pain								yes				
SYBRETH	srm1b	Shortness of breath								yes				
SYFAINT	srm1c	Fainting or loss of consciousness								yes				
SYBLUR	srm1d	Difficulty seeing								yes				
SYHACHE	srm1e	Headaches								yes				
SYCOUGH	srm1f	Cough								yes				
SYSAD	srm1h	Depression								yes				
SYANXTY	srm1i	Anxiety								yes				
SYHIP	srm1j	Pain in hip/knee/leg								yes				
SYANKLE	srm1k	Sprained ankle								yes				
SYWEAK	srm1m	Fatigue								yes				
SYLUMP	srm1q	Lump in breast								yes				
SYURINE	srm1u	Difficulty urinating								yes				
SYHEAR	srm1v	Difficulty hearing								yes				
SYCHEST	srm1w	Chest pain								yes				
SYLINK	CV	Health problem used in questions srm2a – srm9a								yes				
SYMAPPR	CV	When health problem first appeared								yes				
SYMPREG	srm2c	Problem is associated with pregnancy								yes				
SYMTODR	srm3	Saw health professional about problem								yes				
DRSEE	srm4	How soon saw health professional								yes				
DRTALK	srm5	Telephoned health professional about problem								yes				
DRCALL	srm6	How soon telephoned health professional								yes				
DRNEED	srm7a	Needed medical visit instead of								yes				

Notes: Imputation flags are listed at the end of this appendix.

**List of Variables in the Household Survey
Public Use and Restricted Use Data Files by Year**

Variable name	Question number	Description	1996-97		1998-99		2000-01		2003		2007		2010	
			Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use
		phone call												
DRCNTAC	srm7b	Needed to contact health professional								yes				
DRTRYGO	srm7c	Tried to see health professional								yes				
SYMLMT	srm8	Problem limited usual activities								yes				
SYMLMTD	srm8a	Number of days limited in usual activities								yes				
SYMMISS	srm9	Missed work because of problem								yes				
SYMMSSD	srm9a	Number of days of work missed								yes				
SICKLVE	srm10	Have sick leave as job benefit								yes				
Smoking														
TAKRISK	e521	Risk-taker	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
SMKEVR	e601	Smoked 100 or more cigarettes in lifetime	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
SMKNOW	e611	Current level of smoking	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
SMKNUM	e621	Smoke everyday: number of cigarettes per day	yes	yes	yes	yes	yes	yes						
SMKDAY5	e631	Smoke some days: number of days smoked in past month	yes	yes	yes	yes	yes	yes						
SMKNDAY	e641	Smoke some days: number of cigarettes per day	yes	yes		yes		yes						
SMKNDAX	e641	Smoke some days: number of cigarettes per day	yes	yes	yes		yes							
SMKQUIT	e651	How long since quitting smoking	yes	yes	yes	yes	yes	yes						
SMKTRYQ	e661	Tried to quit in last 12 months	yes	yes	yes	yes	yes	yes						
SMKADV	e671	Doctor's advice to quit smoking	yes	yes	yes	yes								
Body mass index														
BMIX	CV	Body mass index, continuous, ages 18 and older								yes	yes	yes	yes	
BMICAT	CV	Body mass index, categories, ages 21 and older								yes	yes	yes	yes	
Chronic conditions (children)														

Notes: Imputation flags are listed at the end of this appendix.

**List of Variables in the Household Survey
Public Use and Restricted Use Data Files by Year**

Variable name	Question number	Description	1996-97		1998-99		2000-01		2003		2007		2010	
			Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use
KACNE	ee2a	Saw doctor for acne				yes								
KHDACHE	ee2b	Saw doctor for headaches				yes								
KEARINF	ee2c	Saw doctor for four or more ear infections				yes		yes						
KEARTUB	ee3	Ever had tube placed in ears				yes								
KSCKLE	ee4a	Sickle cell disease				yes								
KSCKLEX	ee4a	Saw doctor for sickle cell disease				yes								
KTB	ee4b	Tuberculosis				yes								
KTBX	ee4b	Saw doctor for tuberculosis				yes								
KASTHMA	ee4c	Asthma				yes		yes						
KASTHMX	ee4c	Saw doctor for asthma				yes		yes						
KADHA	ee4d	Attention deficit hyperactivity disorder (ADHD)				yes		yes						
KADHAX	ee4d	Saw doctor for ADHD				yes		yes						
KDIABT	ee4e	Diabetes				yes								
KDIABTX	ee4e	Saw a doctor for diabetes				yes								
KMORECR	ee5	Child needs more medical care than is usual						yes						
KLONGCR	ee5a	Child's high health care needs last at least 12 months						yes						
Children with special health care needs														
KRXUSE	scsn1	Child needs prescription medicine								yes				
KRXUSEX	scsn1a	Prescription needed because of health condition								yes				
KRXUSEY	scsn1b	Condition lasting at least 12 months								yes				
KMORE	scsn2	Child needs more services than is usual								yes				
KMOREX	scsn2a	Services needed because of health condition								yes				
KMOREY	scsn2b	Condition lasting at least 12 months								yes				
KLIMIT	scsn3	Child is limited in ability to do usual things								yes				

Notes: Imputation flags are listed at the end of this appendix.

**List of Variables in the Household Survey
Public Use and Restricted Use Data Files by Year**

Variable name	Question number	Description	1996-97		1998-99		2000-01		2003		2007		2010	
			Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use
KLIMITX	scsn3a	Limited ability because of health condition								yes				
KLIMITY	scsn3b	Condition lasting at least 12 months								yes				
KTHERA	scsn4	Child needs special therapy								yes				
KTHERAX	scsn4a	Therapy needed because of health condition								yes				
KTHERAY	scsn4b	Condition lasting at least 12 months								yes				
KCOUNS	scsn5	Child needs treatment/counseling for emotional/developmental/behavioral problem								yes				
KCOUNSX	scsn5a	Treatment needed because of health condition								yes				
KCOUNSY	scsn5b	Condition lasting at least 12 months								yes				
CSHCN	CV	Child has special health care need							yes	yes				
Consumer information seeking														
GETINF1	ra34, ra34c	Obtained health information on the internet						yes	yes					
GETINF2	ra34, ra34c	Obtained health information from friends						yes	yes					
GETINF3	ra34, ra34c	Obtained health information from TV or radio						yes	yes					
GETINF4	ra34, ra34c	Obtained health information from books or magazines						yes	yes					
GETINF5	ra34, ra34c	Obtained health information from other source (excluding doctor, health care professional, or health care organization)						yes	yes					
GETINF6	ra34, ra34c	Obtained health information from health care professional (not doctor)						yes	yes					
GETINF7	ra34, ra34c	Obtained health information from health care organization						yes	yes					

Notes: Imputation flags are listed at the end of this appendix.

**List of Variables in the Household Survey
Public Use and Restricted Use Data Files by Year**

Variable name	Question number	Description	1996-97		1998-99		2000-01		2003		2007		2010	
			Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use
DRINF	ra36, ra36c	Mentioned medical information to doctor					yes	yes						
TESTINF	ranew, newrac	Doctor acted because of patient information					yes	yes						
Quality of care														
CQEXPLN	CCQ3A	Health provider, explain things well									yes	yes		
CQTIME	CCQ3B	Health provider, spend enough time									yes	yes		
CQRSPCT	CCQ3C	Health provider, treat you with respect									yes	yes		
CQDIET	CCQ3D	Health provider, set goals to improve diet									yes	yes		
CQEXRCS	CCQ3E	Health provider, set goals for exercise									yes	yes		
CQMNTOR	CCQ3F	Health provider, teach how to monitor condition									yes	yes		
CQFOLW	CCQ4	Health provider, call you in last 6 months									yes	yes		
CQSIDE	CCQ4	Read side effects for new prescriptions									yes	yes		
Consumer engagement - For chronic condition sample														
CCEACTV	CE1_1	Chronic, active role in own health care									yes	yes		
CCERESP	CE1_2	Chronic, responsible for managing health condition									yes	yes		
CCEKWRX	CE1_3	Chronic, know prescription doses									yes	yes		
CCEFOLW	CE1_4	Chronic, do followup treatments at home									yes	yes		
CCEPRDR	CE1_5	Chronic, tell concerns to health provider									yes	yes		
CCETDIF	CE1_6	Chronic, tell when need to get health care									yes	yes		
CCEACTN	CE1_7	Chronic, can act to prevent symptoms									yes	yes		
CCEKNOW	CE1_8	Chronic, understand cause of health condition									yes	yes		

Notes: Imputation flags are listed at the end of this appendix.

**List of Variables in the Household Survey
Public Use and Restricted Use Data Files by Year**

Variable name	Question number	Description	1996-97		1998-99		2000-01		2003		2007		2010		
			Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	
CCEOPTN	CE1_9	Chronic, know different treatment options										yes	yes		
CCEPRNT	CE1_10	Chronic, know how to prevent further problems										yes	yes		
CCESTYL	CE1_11	Chronic, maintain lifestyle changes										yes	yes		
CCEPRBM	CE1_12	Chronic, find solution for new problems										yes	yes		
CCESTRS	CE1_13	Chronic, maintain lifestyle changes under stress										yes	yes		
Consumer engagement - For non-chronic condition sample															
NCERESP	CE2_1	Nonchronic, responsible for managing health condition										yes	yes		
NCEACTV	CE2_2	Nonchronic, active role in own health care										yes	yes		
NCEACTN	CE2_3	Nonchronic, can act to prevent symptoms										yes	yes		
NCEKWRX	CE2_4	Nonchronic, know prescription doses										yes	yes		
NCETDIF	CE2_5	Nonchronic, tell when need to get health care										yes	yes		
NCEPRDR	CE2_6	Nonchronic, tell concerns to health provider										yes	yes		
NCEFOLW	CE2_7	Nonchronic, do followup treatments at home										yes	yes		
NCEKNOW	CE2_8	Nonchronic, understand cause of health condition										yes	yes		
NCEOPTN	CE2_9	Nonchronic, know different treatment options										yes	yes		
NCESTYL	CE2_10	Nonchronic, maintain lifestyle changes										yes	yes		
NCEPRNT	CE2_11	Nonchronic, know how to prevent health problems										yes	yes		
NCEPRBM	CE2_12	Nonchronic, find solution for new problems										yes	yes		

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**List of Variables in the Household Survey
Public Use and Restricted Use Data Files by Year**

Variable name	Question number	Description	1996-97		1998-99		2000-01		2003		2007		2010	
			Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use
NCESTRS	CE2_13	Nonchronic, maintain lifestyle changes under stress									yes	yes		
Attitudes about medical care														
DRASAP	CE3a	Usually go to the doctor as soon as feeling bad											yes	yes
DOCAVOID	CE3b	Do just about anything to avoid going to the doctor											yes	yes
DNHINS	CE3c	Healthy enough that health insurance is not needed											yes	yes
NOTWORTH	CE3d	Health insurance is not worth the money it costs											yes	yes
Consumer information seeking														
CIWEB	CI1_a	Own health info, internet									yes	yes	yes	yes
CIFRND	CI1_b	Own health info, from friends									yes	yes	yes	yes
CITV	CI1_c	Own health info, from TV or radio									yes	yes	yes	yes
CIBOOK	CI1_d	Own health info, from books or magazines									yes	yes		
CINWSP	CI1_e	Own health info, from newspaper									yes	yes		
CIHRDCPY	CI1_d	Own health info, from hardcopy newspapers, books or magazines											yes	yes
CIOTHR	CI1_f (CI1_e in 2010)	Own health info, other than doctor									yes	yes	yes	yes
CIALT	CI1_g	Own health info, from alternative sources									yes	yes	yes	yes
CITALK	CI2	Own health info, discuss findings with doctor									yes	yes		
CIMAIN	CI3 (CI2b in 2010)	Own health info, change approach to health									yes	yes	yes	yes
CITREAT	CI4 (CI2a in 2010)	Own health info, help understand how to treat illness									yes	yes	yes	yes

Notes: Imputation flags are listed at the end of this appendix.

**List of Variables in the Household Survey
Public Use and Restricted Use Data Files by Year**

Variable name	Question number	Description	1996-97		1998-99		2000-01		2003		2007		2010	
			Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use
CICOPE	CI2c	Own health info, affected how cope with chronic condition/pain											yes	yes
CIDCSN	CI2d	Own health info, affected decision whether to see doctor											yes	yes
CIASKDR	CI2e	Own health info, affected whether asked doctor a question											yes	yes
CI2NDOP	CI2f	Own health info, affected decision to seek 2nd opinion											yes	yes
CIEXRCS	CI2g	Own health info, affected approach to diet, exercise, stress management											yes	yes
ACIWEB	CI5_a (CI3_a in 2010)	Other health info, internet									yes	yes	yes	yes
ACIFRND	CI5_b (CI3_b in 2010)	Other health info, from friends									yes	yes	yes	yes
ACITV	CI5_c (CI3_c in 2010)	Other health info, from TV or radio									yes	yes	yes	yes
ACIBOOK	CI5_d	Other health info, from books or magazines									yes	yes		
ACINWSP	CI5_e	Other health info, from newspaper									yes	yes		
ACIHRDCY	CI3_d	Other health info, from hardcopy newspapers, books or magazines											yes	yes
ACIOTHR	CI5_f (CI3_e in 2010)	Other health info, other than doctor									yes	yes	yes	yes
ACIALT	CI5_g (CI3_g in 2010)	Other health info, from alternative sources									yes	yes	yes	yes
WEBOFTN	CI7	How often look for personal health info online in the last 12 months											yes	yes
WEBUSFL	CI8	How useful was health info found online?											yes	yes
Information technology														

Notes: Imputation flags are listed at the end of this appendix.

**List of Variables in the Household Survey
Public Use and Restricted Use Data Files by Year**

Variable name	Question number	Description	1996-97		1998-99		2000-01		2003		2007		2010	
			Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use
ITWEB	IT1	Ever use the internet									yes	yes	Moved in Round 6 - see usual source of care	Moved in Round 6 - see usual source of care
ITOFTN	IT2	Internet, how often go online									yes	yes	Moved in Round 6 -see usual source of care	Moved in Round 6 -see usual source of care
ITCNTCT	IT3	Internet, contact doctor by email or web site									yes	yes		
ITRX	IT3a_a	Internet, renew prescription									yes	yes		
ITAPPN	IT3a_b	Internet, schedule appointment									yes	yes		
ITDISC	IT3a_c	Internet, discuss health problem with provider									yes	yes		
ITSEE	IT3a_d	Internet, see diagnostic test results									yes	yes		
ITRMNDR	IT3a_e	Internet, get appointment reminder									yes	yes		
ITOTHER	IT3a_f	Internet, other									yes	yes		
ITALLOW	IT3b	Internet, doctor allow contact by email or web site									yes	yes		
Consumer shopping														
CSDLOOK	CS1	Look for new personal doctor									yes	yes	yes	yes
CSDFIND	CS2	Find a new personal doctor									yes	yes	yes	yes
CSDREFR	CS3A	Seek doctor, recommendation									yes	yes	yes	yes
CSDINS	CS3B	Seek doctor, health insurance plan information									yes	yes	yes	yes
CSDBOOK	CS3C	Seek doctor, books or newspaper									yes	yes	yes	yes
CSDFRND	CS3D	Seek doctor, friend or relative									yes	yes	yes	yes
CSDTV	CS3E	Seek doctor, TV or radio									yes	yes	yes	yes

Notes: Imputation flags are listed at the end of this appendix.

**List of Variables in the Household Survey
Public Use and Restricted Use Data Files by Year**

Variable name	Question number	Description	1996-97		1998-99		2000-01		2003		2007		2010		
			Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	
CSDWEB	CS3F	Seek doctor, the Internet										yes	yes	yes	yes
CSDSOTH	CS3G	Seek doctor, other										yes	yes	yes	yes
CSDCMPQ	CS6	Seek doctor, source give quality comparison										yes	yes	yes	yes
CSDQUSE	CS7	Seek doctor, use quality comparison to choose										yes	yes	yes	yes
CSDCOST	CS8a	Choose doctor, cost of care										yes	yes	yes	yes
CSDRCMN	CS8b	Choose doctor, recommendation										yes	yes	yes	yes
CSDREPU	CS8c	Choose doctor, reputation										yes	yes	yes	yes
CSDWAIT	CS8d	Choose doctor, wait time for appointments										yes	yes	yes	yes
CSDLOC	CS8e	Choose doctor, location of practice										yes	yes	yes	yes
CSDNETW	CS8f	Choose doctor, in health plan network										yes	yes	yes	yes
CSDFOTH	CS8g	Choose doctor, other										yes	yes	yes	yes
CSSNUM	CS9	Specialist, see one or more in last 12 months										yes	yes	yes	yes
CSSWHEN	CS10	Specialist, first see more/less than 12 months ago										yes	yes	yes	yes
CSSFIND	CS11	Specialist, own doctor refer or find another way										yes	yes	yes	yes
CSSCHOI	CS12	Specialist, referred to one or given choice										yes	yes	yes	yes
CSSOSRC	CS13	Specialist, use sources besides referral										yes	yes	yes	yes
CSSREFR	CS14a	Seek specialist, other doctor recommend										yes	yes	yes	yes
CSSINS	CS14b	Seek specialist, health insurance plan information										yes	yes	yes	yes
CSSBOOK	CS14c	Seek specialist, books or newspaper										yes	yes	yes	yes
CSSFRND	CS14d	Seek specialist, friend or relative										yes	yes	yes	yes
CSSTV	CS14e	Seek specialist, TV or radio										yes	yes	yes	yes
CSSWEB	CS14f	Seek specialist, the Internet										yes	yes	yes	yes

Notes: Imputation flags are listed at the end of this appendix.

**List of Variables in the Household Survey
Public Use and Restricted Use Data Files by Year**

Variable name	Question number	Description	1996-97		1998-99		2000-01		2003		2007		2010		
			Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	
CSSSOTH	CS14g	Seek specialist, other										yes	yes	yes	yes
CSSCMPQ	CS17	Seek specialist, source give quality comparison										yes	yes	yes	yes
CSSQUSE	CS18	Seek specialist, use quality comparison to choose										yes	yes	yes	yes
CSSCOST	CS19a	Choose specialist, cost of care										yes	yes	yes	yes
CSSRCMN	CS19b	Choose specialist, own doctor recommend										yes	yes	yes	yes
CSSREPU	CS19c	Choose specialist, reputation										yes	yes	yes	yes
CSSWAIT	CS19d	Choose specialist, wait time for appointments										yes	yes	yes	yes
CSSLOC	CS19e	Choose specialist, location of practice										yes	yes	yes	yes
CSSNETW	CS19f	Choose specialist, in health plan network										yes	yes	yes	yes
CSSFOTH	CS19g	Choose specialist, other										yes	yes	yes	yes
ANYPROC	CS20	Procedure, had any in past 12 months										yes	yes	yes	yes
CSPRLOC	CS21	Procedure, at hospital, clinic or office										yes	yes	yes	yes
CSPWHEN	CS22	Procedure place, first time more/less than 12 months ago										yes	yes	yes	yes
CSPFIND	CS23	Procedure place, doctor refer or find another way										yes	yes	yes	yes
CSPCHOI	CS24	Procedure place, referred to one or given choice										yes	yes	yes	yes
CSPSRC	CS25	Procedure place, use sources besides referral										yes	yes	yes	yes
CSPREFR	CS26a	Seek procedure place, other doctor recommend										yes	yes	yes	yes
CSPINS	CS26b	Seek procedure place, health insurance plan information										yes	yes	yes	yes
CSPBOOK	CS26c	Seek procedure place, books or newspaper										yes	yes	yes	yes
CSPFRND	CS26d	Seek procedure place, friend or relative										yes	yes	yes	yes

Notes: Imputation flags are listed at the end of this appendix.

**List of Variables in the Household Survey
Public Use and Restricted Use Data Files by Year**

Variable name	Question number	Description	1996-97		1998-99		2000-01		2003		2007		2010		
			Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	
CSPTV	CS26e	Seek procedure place, TV or radio										yes	yes	yes	yes
CSPWEB	CS26f	Seek procedure place, the Internet										yes	yes	yes	yes
CSPSOTH	CS26g	Seek procedure place, other										yes	yes	yes	yes
CSPCMPQ	CS29	Seek procedure place, source give quality comparison										yes	yes	yes	yes
CSPQUSE	CS30	Seek procedure place, use quality comparison to choose										yes	yes	yes	yes
CSPCOST	CS31a	Choose procedure place, cost of care										yes	yes	yes	yes
CSPREPU	CS31b	Choose procedure place, reputation										yes	yes	yes	yes
CSPRCMN	CS31c	Choose procedure place, own doctor recommend										yes	yes	yes	yes
CSPWAIT	CS31d	Choose procedure place, wait time for appointments										yes	yes	yes	yes
CSPLOC	CS31e	Choose procedure place, location										yes	yes	yes	yes
CSPNETW	CS31f	Choose procedure place, in health plan network										yes	yes	yes	yes
CSPFOTH	CS31g	Choose procedure place, other										yes	yes	yes	yes

Section F: Employment and Employer Insurance Offering

Employment															
HAVEBUS	f101	Have a business or farm	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
WRKPAY	f111	Worked for pay last week	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
WORK2ND	f121	Worked more than one job last week	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
HRSWKX	f131	Hours per week at (main) job	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
HRSWKB	f13x1	Work more/less than 35 hrs wk										yes	yes	yes	yes
HRWK2NX	f141	Hours per week at second job	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
EMPTYPX	f201	Type of employer	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
FIRMSZX	CV	Number of employees at all locations	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
WAGEHRX	CV	Hourly wage	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes		

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**List of Variables in the Household Survey
Public Use and Restricted Use Data Files by Year**

Variable name	Question number	Description	1996-97		1998-99		2000-01		2003		2007		2010		
			Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	
INDSTRY	CV	Type of industry	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
INUNION	f251	Member of union								yes		yes		yes	
CVUNION	f261	Covered by union contract								yes		yes		yes	
EMPTEMP	f351	Is job temporary?											yes	yes	
EMPYEAR	f361	Is job seasonal?											yes	yes	
Employer insurance offering															
INSMJOB	f401	Get insurance from main job	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
EMPOFER	f501	Employer/union offers insurance	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
WHOOFER	f5011	Health insurance offered by employer vs. union								yes		yes		yes	
ELIGIB	f511	Employer insurance, eligibility	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
ELUNINS	f521	Employer insurance, reason for not participating (if eligible and uninsured)	yes	yes	yes	yes	yes	yes							
ELUNINS4	f521	Employer insurance, reason for not participating (if eligible)							yes	yes	yes	yes	yes	yes	
INELIGR	f531	Employer insurance, reason ineligible	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
EMPMULT	f541	Employer offers multiple plans	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes			
EMPHMO	f551	Employer offers an HMO plan	yes	yes	yes	yes	yes	yes	yes	yes					
EMPBOTH	f561	Employer offers nonHMO plan	yes	yes	yes	yes	yes	yes	yes	yes					
OFFERED	CV	Employer insurance offer	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
OFRMULT	CV	Employer offers multiple plans	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes			
OFRHMO	CV	Employer offers an HMO plan	yes	yes	yes	yes	yes	yes	yes	yes					
OFRNHMO	CV	Employer offers nonHMO plan	yes	yes	yes	yes	yes	yes	yes	yes					
OFRBOTH	CV	Employer offers HMO and nonHMO	yes	yes	yes	yes	yes	yes	yes	yes					
EMPLESS	f611	Employer offers plan with lower premium								yes					
EMPSAME	f621	Employer offers plan with same premium								yes					
CHGPLDR	f63a1	Cost of doctor visit in employer's plan								yes					
CHGPLRX	f63b1	Cost of prescription in employer's plan								yes					

Notes: Imputation flags are listed at the end of this appendix.

**List of Variables in the Household Survey
Public Use and Restricted Use Data Files by Year**

Variable name	Question number	Description	1996-97		1998-99		2000-01		2003		2007		2010		
			Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	
XJOBHI	f551JL	Passed up job opportunity in last 12 months to keep current health insurance												yes	yes
XSPJOBHI	f552JL	Spouse passed up job opportunity in the last 12 months to keep current health insurance												yes	yes

Section G: Income and Race

Family income															
FAMINCX	CV	Annual family income	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
CENSINX	CV	Annual Census family income	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
POVLEV	CV	Census family poverty level	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Race, ethnicity, and U.S. citizenship															
HISPAN	g20 or g201	Hispanic origin	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
ORIGMEX	g201ORIG_1	Hispanic origin, Mexican											yes		
ORIGPR	g201ORIG_2	Hispanic origin, Puerto Rican											yes		
ORIGCUB	g201ORIG_3	Hispanic origin, Cuban											yes		
ORIGDOM	g201ORIG_4	Hispanic origin, Dominican											yes		
ORIGSAL	g201ORIG_5	Hispanic origin, Salvadoran											yes		
ORIGOCA	g201ORIG_6	Hispanic origin, other Central American											yes		
ORIGOSA	g201ORIG_7	Hispanic origin, other South American											yes		
ORIGOTH	g201ORIG_8	Hispanic origin, other											yes		
RACEX	CV	Race	yes	yes	yes	yes	yes	yes							
RACEREX	CV	Race, with separate Hispanic ethnicity	yes	yes	yes	yes	yes	yes							
RACNEWX	CV	Race, 2003 question								yes	yes	yes	yes	yes	yes
RACETHX	CV	Race, 2003 question, with separate Hispanic ethn.								yes	yes	yes	yes	yes	yes
CITIZEN	g301	U.S. citizen									yes		yes		yes
BORNCTZ	g311	Born a U.S. citizen									yes		yes		yes
YRSUSX	CV	Number of years in the U.S.									yes		yes		yes
USPAR	S9	Parents born outside 50 states										yes	yes		
USSPPAR	S9a	Spouse's parents born outside										yes	yes		

Notes: Imputation flags are listed at the end of this appendix.

**List of Variables in the Household Survey
Public Use and Restricted Use Data Files by Year**

Variable name	Question number	Description	1996-97		1998-99		2000-01		2003		2007		2010	
			Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use
		50 states												

Section H: Closing

Variable name	Question number	Description	1996-97		1998-99		2000-01		2003		2007		2010	
			Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use
PHNOTHX	h30	Number of other telephone numbers in household	yes	yes	yes	yes	yes	yes						
PHNOTH4X	h30	Number of other telephone numbers in household, excluding cell phones							yes	yes	yes	yes		
PHNOTHR	h31	Reason for other telephone numbers	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes		
NOPHN	h32	No working telephone for 2 or more weeks	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes		
NOPHNMX	h33	Number of months with no working telephone	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes		
T1	T1	Number of additional landline phones in household											yes	yes
T2	T2	Number of additional landline phones in household used for business purposes only											yes	yes
T4	T4	Number of cell phones in household											yes	yes
T5	T5	Number of cell phones used for business purposes only											yes	yes
T6	T6	Number of adults in household that have a cell phone for receiving personal calls											yes	yes
T7	T7	Whether family informant shares a cell phone for receiving personal calls with other adults in household?											yes	yes
T8	T8	Whether household receives all, some or few/no calls on cell phones											yes	yes

Notes: Imputation flags are listed at the end of this appendix.

**List of Variables in the Household Survey
Public Use and Restricted Use Data Files by Year**

Variable name	Question number	Description	1996-97		1998-99		2000-01		2003		2007		2010	
			Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use
T9	T9	No telephone service for 2 or more weeks in past year											yes	yes
T10	T10	Number of months with no telephone service											yes	yes
T11	T11	Any working cell phones in household when household was without telephone service											yes	yes
T1C	T1C	Number of landline phones in household											yes	yes
T2C	T2C	Number of landline phones in household used for business purposes only											yes	yes
T4C	T4C	Number of additional working cell phones in household											yes	yes
T5C	T5C	Number of additional working cell phones in household used for business purposes only											yes	yes
T6C	T6C	Number of adults in household with a cell phone for receiving personal calls											yes	yes
T7C	T7C	Whether family informant shares cell phone currently in use with other adults in household											yes	yes
T8C	T8C	Whether household receives all, some or few/no calls on cell phones											yes	yes
T9C	T9C	No telephone service for 2 or more weeks in past year, not counting cell phones											yes	yes
T10C	T10C	Number of months with no telephone service											yes	yes
T11C	T11C	Any working cell phones in household when household was without telephone service											yes	yes
Weights and Sampling Variables														
FSUX	CV	See user's guide discussion of	yes	yes	yes	yes	yes	yes	yes	yes	yes			

Notes: Imputation flags are listed at the end of this appendix.

**List of Variables in the Household Survey
Public Use and Restricted Use Data Files by Year**

Variable name	Question number	Description	1996-97		1998-99		2000-01		2003		2007		2010	
			Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use
		estimation.												
NFSUHX	CV	See user's guide discussion of estimation.			yes	yes	yes	yes						
NFSUX	CV	See user's guide discussion of estimation.	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
PPSU	CV	See user's guide discussion of estimation.	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
PPSUH	CV	See user's guide discussion of estimation.			yes	yes	yes	yes						
PSTRATA	CV	See user's guide discussion of estimation.	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
PSTRATAH	CV	See user's guide discussion of estimation.			yes	yes	yes	yes						
PSTRHWR	CV	See user's guide discussion of estimation.					yes	yes						
PSTRTOTH	CV	See user's guide discussion of estimation.			yes	yes	yes	yes						
PSTRTOT3	CV	See user's guide discussion of estimation.	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
PPSUHWRX	CV	See user's guide discussion of estimation.					yes	yes						
PSUWRX	CV	See user's guide discussion of estimation.					yes	yes	yes	yes	yes	yes	yes	yes
PIH – P7H	CV	See user's guide discussion of estimation.			yes	yes	yes	yes						
P1X – P7X	CV	See user's guide discussion of estimation.	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
SAMPLE	CV	Survey sample type: landline or cell phone											yes	yes
SECSTRA	CV	See user's guide discussion of estimation.	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
SECSTRAH	CV	See user's guide discussion of estimation.			yes	yes	yes	yes						
SITE_STR	CV	See user's guide discussion of estimation.	yes	yes	yes	yes	yes	yes	yes	yes				
STRATAWR	CV	See user's guide discussion of estimation.					yes	yes	yes	yes	yes	yes	yes	yes
STRATUM	CV	See user's guide discussion of estimation.	yes	yes	yes	yes	yes	yes			yes	yes	yes	yes

Notes: Imputation flags are listed at the end of this appendix.

**List of Variables in the Household Survey
Public Use and Restricted Use Data Files by Year**

Variable name	Question number	Description	1996-97		1998-99		2000-01		2003		2007		2010	
			Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use
WTFAM1	CV	Family weight, site est., augmented site sample	yes	yes	yes	yes	yes	yes						
WTFAM2	CV	Family weight, national est., site sample	yes	yes	yes	yes	yes	yes	yes	yes				
WTFAM3	CV	Family weight, national est., supplemental sample	yes	yes	yes	yes	yes	yes						
WTFAM4	CV	Family weight, national est., combined sample	yes	yes	yes	yes	yes	yes			yes	yes	yes	yes
WTFAM5	CV	Family weight, national est., augmented site sample			yes	yes	yes	yes						
WTFAM6	CV	Family weight, site est., site sample							yes	yes				
WTPER1	CV	Person weight, site est., augmented site sample	yes	yes	yes	yes	yes	yes						
WTPER2	CV	Person weight, national est., site sample	yes	yes	yes	yes	yes	yes	yes	yes				
WTPER3	CV	Person weight, national est., supplemental sample	yes	yes	yes	yes	yes	yes						
WTPER4	CV	Person weight, national est., combined sample	yes	yes	yes	yes	yes	yes			yes	yes	yes	yes
WTPER5	CV	Person weight, national est., augmented site sample			yes	yes	yes	yes						
WTPER6	CV	Person weight, site est., site sample							yes	yes				
WTSITE	CV	See user's guide discussion of estimation.	yes	yes										
WTSRM1	CV	SRM weight, site est., augmented site sample	yes	yes										
WTSRM2	CV	SRM weight, national est., site sample	yes	yes										
WTSRM3	CV	SRM weight, national est., supplemental sample	yes	yes										
WTSRM4	CV	SRM weight, national est., combined sample	yes	yes							yes	yes		
WTSYM2	CV	Symptom weight, national est., site sample								yes				

Notes: Imputation flags are listed at the end of this appendix.

**List of Variables in the Household Survey
Public Use and Restricted Use Data Files by Year**

Variable name	Question number	Description	1996-97		1998-99		2000-01		2003		2007		2010	
			Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use
WTSYM6	CV	Symptom weight, site est., site sample								yes				

Imputation Flags

_ELIGIB	CV	Imputation flag for ELIGIB	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
_EMOACT	CV	Imputation flag for EMOACT	yes	yes	yes	yes	yes	yes						
_EMOLESS	CV	Imputation flag for EMOLESS	yes	yes	yes	yes	yes	yes						
_EMPBOTH	CV	Imputation flag for EMPBOTH	yes	yes	yes	yes	yes	yes	yes	yes				
_EMPHMO	CV	Imputation flag for EMPHMO	yes	yes	yes	yes	yes	yes	yes	yes				
_EMPMULT	CV	Imputation flag for EMPMULT	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes		
_EMPOFER	CV	Imputation flag for EMPOFER	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
_EMPTYPX	CV	Imputation flag for EMPTYPX	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
_ENERGY	CV	Imputation flag for ENERGY	yes	yes	yes	yes	yes	yes						
_ERUSENX	CV	Imputation flag for ERUSENX	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
_FIRMSZX	CV	Imputation flag for FIRMSZX	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
_FLCALM	CV	Imputation flag for FLCALM	yes	yes	yes	yes	yes	yes						
_FLDOWN	CV	Imputation flag for FLDOWN	yes	yes	yes	yes	yes	yes						
_GENHLH	CV	Imputation flag for GENHLH	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
_HIGRADX	CV	Imputation flag for HIGRADX	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
_HRSWKX	CV	Imputation flag for HRSWKX	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
_LMTMACT	CV	Imputation flag for LMTMACT	yes	yes	yes	yes	yes	yes						
_LMTSOC	CV	Imputation flag for LMTSOC	yes	yes	yes	yes	yes	yes						
_LMTSTR	CV	Imputation flag for LMTSTR	yes	yes	yes	yes	yes	yes						
_MCDHMO	CV	Imputation flag for MCDHMO	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
_MCDLST	CV	Imputation flag for MCDLST	yes	yes										
_MCDPAY	CV	Imputation flag for MCDPAY	yes	yes										
_MCDREF	CV	Imputation flag for MCDREF	yes	yes										
_MCDSIGN	CV	Imputation flag for MCDSIGN	yes	yes										
_MCRHMOP	CV	Imputation flag for MCRHMOP	yes	yes	yes	yes	yes	yes	yes	yes				
_MCRLSTP	CV	Imputation flag for MCRLSTP	yes	yes	yes	yes	yes	yes	yes	yes				
_MCRPAYP	CV	Imputation flag for MCRPAYP	yes	yes	yes	yes	yes	yes	yes	yes				
_MCRREFP	CV	Imputation flag for MCRREFP	yes	yes	yes	yes	yes	yes	yes	yes				
_MCRSIGP	CV	Imputation flag for MCRSIGP	yes	yes	yes	yes	yes	yes	yes	yes				

Notes: Imputation flags are listed at the end of this appendix.

**List of Variables in the Household Survey
Public Use and Restricted Use Data Files by Year**

Variable name	Question number	Description	1996-97		1998-99		2000-01		2003		2007		2010	
			Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use
_MCS12	CV	Imputation flag for MCS12	yes	yes	yes	yes	yes	yes						
_MENTAL	CV	Imputation flag for MENTAL	yes	yes	yes	yes	yes	yes	yes	yes				
_NURCARE	CV	Imputation flag for NURCARE	yes	yes										
_OFFERED	CV	Imputation flag for OFFERED	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
_OFRBOTH	CV	Imputation flag for OFRBOTH	yes	yes	yes	yes	yes	yes	yes	yes				
_OFRHMO	CV	Imputation flag for OFRHMO	yes	yes	yes	yes	yes	yes	yes	yes				
_OFRMULT	CV	Imputation flag for OFRMULT	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes		
_OFRNHMO	CV	Imputation flag for OFRNHMO	yes	yes	yes	yes	yes	yes	yes	yes				
_PAININT	CV	Imputation flag for PAININT	yes	yes	yes	yes	yes	yes						
_PCS12	CV	Imputation flag for PCS12	yes	yes	yes	yes	yes	yes						
_PHYACT	CV	Imputation flag for PHYACT	yes	yes	yes	yes	yes	yes						
_PHYLESS	CV	Imputation flag for PHYLESS	yes	yes	yes	yes	yes	yes						
_PRVHMO1	CV	Imputation flag for PRVHMO1	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
_PRVHMO2	CV	Imputation flag for PRVHMO2	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
_PRVHMO3	CV	Imputation flag for PRVHMO3	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
_PRVLST1	CV	Imputation flag for PRVLST1	yes	yes	yes	yes	yes	yes	yes	yes				
_PRVLST2	CV	Imputation flag for PRVLST2	yes	yes	yes	yes	yes	yes	yes	yes				
_PRVLST3	CV	Imputation flag for PRVLST3	yes	yes	yes	yes	yes	yes	yes	yes				
_PRVPAY1	CV	Imputation flag for PRVPAY1	yes	yes	yes	yes	yes	yes	yes	yes				
_PRVPAY2	CV	Imputation flag for PRVPAY2	yes	yes	yes	yes	yes	yes	yes	yes				
_PRVPAY3	CV	Imputation flag for PRVPAY3	yes	yes	yes	yes	yes	yes	yes	yes				
_PRVREF1	CV	Imputation flag for PRVREF1	yes	yes	yes	yes	yes	yes	yes	yes				
_PRVREF2	CV	Imputation flag for PRVREF2	yes	yes	yes	yes	yes	yes	yes	yes				
_PRVREF3	CV	Imputation flag for PRVREF3	yes	yes	yes	yes	yes	yes	yes	yes				
_PRVSIG1	CV	Imputation flag for PRVSIG1	yes	yes	yes	yes	yes	yes	yes	yes				
_PRVSIG2	CV	Imputation flag for PRVSIG2	yes	yes	yes	yes	yes	yes	yes	yes				
_PRVSIG3	CV	Imputation flag for PRVSIG3	yes	yes	yes	yes	yes	yes	yes	yes				
_STHMO	CV	Imputation flag for STHMO	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
_STLST	CV	Imputation flag for STLST	yes	yes										
_STPAY	CV	Imputation flag for STPAY	yes	yes										
_STREF	CV	Imputation flag for STREF	yes	yes										
_STSIGN	CV	Imputation flag for STSIGN	yes	yes										

Notes: Imputation flags are listed at the end of this appendix.

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Variable name	Question number	Description	1996-97		1998-99		2000-01		2003		2007		2010	
			Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use	Public Use	Restr. Use
_WAGEHRX	CV	Imputation flag for WAGEHRX	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes		

Notes: Imputation flags are listed at the end of this appendix.

Appendix C

Sample SUDAAN Procedure Statements

SAMPLE SUDAAN PROCEDURE STATEMENTS

There are a number of releases of the SUDAAN software, running on several different platforms. Although the same procedure statements are used, there can be enhancements or subtle differences from one release to the next, particularly in reading and writing external data files. The statements displayed in the examples in this appendix are tailored for SUDAAN Release 10.0.0, SAS-Callable for Windows. The user should take this into consideration when using these examples or parts of these examples verbatim.

The example procedures represent relatively simple, straightforward applications. The options (various parameters, test statistics, etc.) in the sample programs may not be suitable for all your needs. Likewise, particular types of analyses may require options that are not displayed in the sample program statements. Our intention is not to suggest analytical approaches but to provide the key parameters that capture the relevant characteristics of the sample design. These parameters are found in the SUDAAN *design*, *weight*, *nest*, *and*, *as needed*, *totcnt*, and *jointprob* statements. In addition, the examples are limited to simple descriptive procedures for producing means or percentages. The same sample design parameters used for descriptive procedures are used for more complex estimation procedures such as regression or logit.

The user is encouraged to review the table in Chapter 3, which indicate the appropriate weights for person- and family-level analyses. Table 4.1 from Chapter 4 explains how to choose the design variables appropriate for each type of estimate.

The following five examples are provided:

1. Person-level estimates
 - 1.1 National estimates for 2010
 - 1.2 National estimates from multiple rounds (2010 and 2007)
 - 1.3 National estimates from multiple rounds (2010 and 2003)
2. Family-level estimates
 - 2.1 National estimates for 2010
 - 2.2 National estimates from multiple rounds (2010 and 2007)
 - 2.3 National estimates from multiple rounds (2010 and 2003)

Preprocessing or recoding may be required for some variables because of missing or nonpositive data. Missing data in Household Survey files are assigned an applicable negative value (ex.: “-9 Not Ascertained,” see Section 6.3 - Variable Coding Conventions). Classification (SUBGROUP) variables with zero or negative values will be treated by SUDAAN as missing and dropped from the procedure. This does not hold true for analysis variables (VAR) where zero or negative values are valid. Records with zero weights will automatically be excluded from estimates produced in SUDAAN procedures.

In using SUDAAN, the full sample should be processed even when analyses are limited to subgroups or subpopulations. This is to ensure the correct computation of the sampling variance. The SUDAAN statement SUBPOPN should be used to identify the specific analytic subpopulation of interest. The sampling variance estimates SUDAAN computes may be wrong if the file is reduced to a specific subpopulation prior to running the procedure.

The SUDAAN examples for estimates on multiple rounds of data use the DDF option, which overrides the default denominator degrees of freedom. In SUDAAN, the default denominator degrees of freedom is the difference between the number of PSUs and the number of first stage strata, which is appropriate for most surveys. We included the DDF option to provide researchers with an approximation of the true degrees of freedom that will be valid for most significance tests. The DDF for the full sample is also appropriate for analyses of subpopulations, because the full design is being utilized in the sampling variance computation.

1. Person-Level Estimates

The examples in this section are appropriate for person-level analyses.

1.1 National Estimates for 2010

This example estimates the mean number of doctor visits (DRVISNX) and hospital stays (HSPSTYN) by race/ethnicity (RACETHX). Standard errors of the means, population counts, and sample design effects are also included in the output. The input file, R5PER, consists of all 16,671 people in the 2010 sample and is sorted by the variables appearing in the NEST statement (STRATUM, NFSUX).

```
proc descript data=r6per design=wr;
  nest stratum nfsux / missunit;
  weight wtper4;
  subgroup racethx;
  levels 4;
  var drvisnx hspstyn;
  rformat racethx racethx.;
  print nsum wsum mean semean deffmean / style=nchs
        wsumfmt=f10.0 meanfmt=f8.4 semeanfmt=f8.4 deffmeanfmt=f8.4;
  rtitle "National Estimates";
```

1.2 National Estimates from Multiple Rounds (2010 and 2007)

This example combines data from 2010 (Round Six) and 2007 (Round Five) to calculate pooled means for three variables. Specifically, it estimates the mean number of doctor visits (DRVISNX), emergency room visits (ERUSENX), and hospital stays (HSPSTYN) for the Medicare enrollee subpopulation. Estimates are produced separately for the 2010 sample, the 2007 sample, and the combined sample from both rounds. Standard errors of the means, population counts, and sample design effects are also included in the output. The input file, R56PER, consists of 34,468 people (all 17,797 people in the 2007 sample and all 16,671 people in the 2010 sample). It is sorted by the variables appearing in the NEST statement (PSTRATA, PPSU, SECSTRA, NFSUX). SUDAAN reads all 34,468 observations because the weight variable WTPER4 is nonzero for all observations.

```
proc descript data=r56per design=wr ddf=6500;
  subpopn mcare=1 / name="Medicare Enrollees";
  nest stratum nfsu / missunit;
  weight wtper4;
  subgroup round;
  levels 2;
  tables round;
  var drvisnx hspstyn erusenx;
  rformat round round.;
  print nsum wsum mean semean deffmean / style=nchs
  wsumfmt=f10.0 meanfmt=f8.4 semeanfmt=f8.4 deffmeanfmt=f8.4;
  rtitle "Combined Round 4/Round 5 National Estimates";
```

1.3 National Estimates from Multiple Rounds (2010 and 2003)

This example combines data from 2010 (Round Six) and 2003 (Round Four) to calculate pooled means for three variables. Specifically, it estimates the mean number of doctor visits (DRVISNX), emergency room visits (ERUSENX), and hospital stays (HSPSTYN) for the Medicare enrollee subpopulation. Estimates are produced separately for the 2010 sample, the 2003 sample, and the combined sample from both rounds. Standard errors of the means, population counts, and sample design effects are also included in the output. The DESIGN, DDF, NEST, TOTCNT and JOINTPROB statements account for the more complex design of the 2003 survey. The input file, R46PER, consists of 63,258 people (all 46,587 people in the 2003 sample and all 16,671 people in the 2010 sample). It is sorted by the variables appearing in the NEST statement (PSTRATA, PPSU, SECSTRA, NFSUX). SUDAAN reads all 63,258 observations because the weight variable WTPER4 is nonzero for all observations.

```
proc descript data=r46per design=uneqwor ddf=6500;
  subpopn mcare=1 / name="Medicare Enrollees";
  nest pstrata ppsu secstra nfsux / missunit;
  totcnt pstrtot3 _zero_ _minus1_ _zero_;
  jointprob p1x p2x p3x p4x p5x p6x p7x;
  weight wtper4;
  subgroup round;
  levels 2;
  tables round;
  var drvisnx hspstyn erusenx;
  rformat round round.;
  print nsum wsum mean semean deffmean / style=nchs
    wsumfmt=f10.0 meanfmt=f8.4 semeanfmt=f8.4 deffmeanfmt=f8.4;
  rtitle "Combined Round 4/Round 5 National Estimates";
```

2. Family-Level Estimates

The following examples are based on the use of a family-level input file. The user is encouraged to review the discussion in Section 5.4 from Chapter 5, which provides suggestions for converting a person-level file to the family level and on summarizing person-level responses at the family level.

2.1 National Estimates for 2010

This example produces percentage estimates displaying the family informant's satisfaction with health care (CRSAFX), for families with any Medicaid coverage. Standard errors of the percentages, population counts, and sample design effects are also included in the output. The input file, R6FAM, consists of all 9,165 families in the 2010 sample and is sorted by the variables appearing in the NEST statement (STRATUM, NFSUX).


```

proc crosstab data=r6fam design=wr;
  nest stratum nfsux / missunit;
  weight wtfam4;
  subgroup fmcaid crsafx;
  recode fmcaid=(0 1);
  levels 2 5;
  tables fmcaid*crsafx;
  rformat crsafx crsafx.;
  print nsum wsum rowper serow deffrow / style=nchs
    wsumfmt=f10.0 rowperfmt=f8.2 serowfmt=f8.2 deffrowfmt=f8.4;
  rtitle "Family-Level National Estimates";

```

2.2 National Estimates from Multiple Rounds (2010 and 2007)

This example combines data from 2010 (Round Six) and 2007 (Round Five) to calculate a pooled mean. Specifically, it produces percentage estimates displaying the family informant's satisfaction with their choice of a primary care physician, grouped into 5 categories (DRCHOCX). Estimates are produced separately for the 2010 sample, the 2007 sample, and the combined sample from both rounds. Standard errors, population counts, and design effects are also included in the output. The input file, R56FAM, consists of 18,572 families (all 9,407 families in the 2007 sample and all 9,165 families in the 2010 sample). It is sorted by the variables appearing in the NEST statement (STRATUM NFSUX). SUDAAN reads all 18,572 observations because the weight variable WTFAM4 is nonzero for all observations.

```

proc crosstab data=r56fam design=wr ddf=6500;
  nest stratum nfsux/ missunit;
  weight wtfam4;
  subgroup round drchocx;
  levels 2 5;
  tables round*drchocx;
  rformat round round.;
  rformat drchocx drchocx.;
  print nsum wsum rowper serow deffrow / style=nchs
    wsumfmt=f10.0 rowperfmt=f8.2 serowfmt=f8.2 deffrowfmt=f8.4;
  rtitle "Combined Round 4/Round 5 National Estimates";

```

2.3 National Estimates from Multiple Rounds (2010 and 2003)

This example combines data from 2010 (Round Six) and 2003 (Round Four) to calculate a pooled mean. Specifically, it produces percentage estimates displaying the family informant's satisfaction with their choice of a primary care physician, grouped into 5 categories (DRCHOCX). Estimates are produced separately for the 2010 sample, the 2003 sample, and the combined sample from both rounds. Standard errors, population counts, and design effects are also included in the output. The DESIGN, DDF, NEST, TOTCNT and JOINTPROB statements account for the more complex design of the 2003 survey. The input file, R46FAM, consists of 34,584 families (all 25,419 families in the 2003 sample and all 9,165 families in the 2010 sample). It is sorted by the variables appearing in the NEST statement (PSTRATA, PPSU, SECSTRA, NFSUX). SUDAAN reads all 34,584 observations because the weight variable WTFAM4 is nonzero for all observations.

```
proc crosstab data=r46fam design=uneqwor ddf=6500;
  nest pstrata ppsu secstra nfsux / missunit;
  totcnt pstrtot3 _zero_ _minus1_ _zero_;
  jointprob plx p2x p3x p4x p5x p6x p7x;
  weight wtfam4;
  subgroup round drchocx;
  levels 2 5;
  tables round*drchocx;
  rformat round round.;
  rformat drchocx drchocx.;
  print nsum wsum rowper serow deffrow / style=nchs
    wsumfmt=f10.0 rowperfmt=f8.2 serowfmt=f8.2 deffrowfmt=f8.4;
  rtitle "Combined Round 4/Round 5 National Estimates";
```

Appendix D

Sample Stata and SAS Statements

SAMPLE STATA AND SAS STATEMENTS

This appendix provides basic person-level examples to illustrate the use of Stata and SAS for making person-level estimates. Data analysis at the family level is analogous.

There are a number of releases of Stata and SAS software, running on several different platforms. Although the same statements are used, there can be enhancements or subtle differences from one release to the next. The statements displayed in the examples in this appendix are tailored for Stata SE 10.1 and SAS 9.2. Stata SE 10.1 has capabilities to accommodate the sample design of the 2007 Household Survey and produces results close to SUDAAN results. SAS 9.2 utilizes “with replacement” (WR) parameters (see Chapter 4, Table 4.3).

The user is encouraged to review the table in Chapter 3, which indicate the appropriate weights for person- and family-level analyses. Table 4.3 from Chapter 4 explains how to choose the design variables appropriate for national estimates.

The following three person-level examples are provided:

1. National estimates for 2010
2. National estimates from multiple rounds (2010 and 2007)
3. National estimates from multiple rounds (2010 and 2003)

In using Stata and SAS, the full sample should be processed even when analyses are limited to subgroups or subpopulations. This is to ensure the correct computation of the sampling variance. The sampling variance estimates may be wrong if the file is reduced to a specific subpopulation.

1. National Estimates for 2010

This example estimates the mean number of doctor visits (DRVISNX) and hospital stays (HSPSTYN) by race/ethnicity (RACETHX). Standard errors of the means and population counts are also included in the output. The input file, R5PER, consists of all 16,671 people in the 2010 sample.

```
Stata
  use "c:\data\r6per.dta"
  svyset [pweight=wtper4], strata(stratum) psu(nfsux)
  svy: mean drvisnx hspstyn, over(racethx)
  estat size, obs size
  estat effects, deff deft

SAS
proc surveymeans data=r6per nobs sumwgt mean stderr;
domain racethx;
stratum stratawr;
cluster psuwrx;
weight wtper4;
format racethx racethx.;
var drvisnx hspstyn;
title 'National Estimates';
```

2. National Estimates from Multiple Rounds (2010 and 2007)

This example combines data from 2007 (Round Five) and 2010 (Round Six) to calculate pooled means for three variables. Specifically, it estimates the mean number of doctor visits (DRVISNX), emergency room visits (ERUSENX), and hospital stays (HSPSTYN) for the Medicare enrollee subpopulation. Estimates are produced separately for the 2007 sample, the 2010 sample, and the combined sample from both rounds. Standard errors of the means, population counts, and sample design effects are also included in the output. The input file, R56PER, consists of 34,468 people (17,797 people in the 2007 sample and 16,671 people in the 2010 sample). Stata and SAS read all 34,468 observations because the weight variable WTPER4 is nonpositive for all observations.

```
Stata
use "c:\data\r56per.dta"
svyset [pweight=WTPER4], strata(stratum) psu(nfsux)
svy: mean drvisnx hspstyn erusenx, over(mcare)
estat size, obs size
estat effects, deff deft

SAS
proc surveymeans data=r56per(where=(mcare=1)) nobks sumwgt mean stderr;
domain round;
stratum stratawr;
cluster psuwrx;
weight wtper4;
var drvisnx hspstyn erusenx;
format round round.;
title 'National Estimates, Combined Round 5/6 Sample';
```

3. National Estimates from Multiple Rounds (2010 and 2003)

This example is analogous to example 2, except that it combines data from 2003 (Round Four) and 2010 (Round Six) to calculate pooled means for three variables. The weight WTPER2 in the 2003 data will have to be renamed to WTPER4 to be consistent with the 2010 data. Additional statements in the svyset command line account for the more complex, multi-stage sampling design of the 2003 survey.³⁷ The input file, R46PER, consists of 63,258 people (all 46,587 people in the 2003 sample and all 16,671 people in the 2010 sample). Stata and SAS read all 63,258 observations because the weight variable WTPER4 is nonpositive for all observations.

```
Stata
use "c:\data\r46per.dta"
svyset ppsu [pweight=WTPER4], strata(pstrata) fpc(PSTRTOT3) || nfsu, strata(secstra)
    vce(linearized) singleunit(certainty)
svy: mean drvisnx hspstyn erusenx, over(mcare)
estat size, obs size
estat effects, deff deft

SAS
proc surveymeans data=r46per(where=(mcare=1)) nobks sumwgt mean stderr;
domain round;
stratum stratawr;
cluster psuwrx;
weight wtper4;
var drvisnx hspstyn erusenx;
format round round.;
title 'National Estimates, Combined Round 5/6 Sample';
```

³⁷ These additional commands apply when working with data from rounds one through four.