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# **MEDICARE HEALTH OUTCOMES SURVEY**

**2010**

## ***Cohort 13 Baseline Public Use File Data User's Guide***

**PREPARED BY HEALTH SERVICES ADVISORY GROUP**

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# Preface

The Centers for Medicare & Medicaid Services (CMS) is committed to monitoring the quality of care provided by Medicare Advantage Organizations (MAOs). The Medicare Health Outcomes Survey (HOS) is the first patient-reported health outcomes measure for the Medicare population in managed care settings. The HOS design is based on a randomly selected sample of individuals from each participating MAO, and measures physical and mental health over a two-year period.

This *2010 Cohort 13 Baseline Public Use File Data User's Guide* is designed to assist individuals with the use of the *2010 Cohort 13 Baseline* public use data. The Data User's Guide includes a general overview of the survey background, instrument, and methodology, as well as a detailed listing of the fields included in the data file.

## TECHNICAL ASSISTANCE

The Medicare HOS Information and Technical Support Telephone Line (1-888-880-0077), as well as the HOS e-mail address ([hos@azqio.sdps.org](mailto:hos@azqio.sdps.org)), are available to provide assistance with the data file. Additionally, the Medicare HOS Overview Section on CMS' website provides general information on the program ([www.cms.gov/hos](http://www.cms.gov/hos)). A full description of the HOS program may be found at [www.hosonline.org](http://www.hosonline.org).

# Program Background

This section provides a general description of the HOS background and methodology, including the sampling methodology, survey administration, and survey instrument. In addition, information is provided about case mix adjustment, additional survey questions, and field changes. For a more detailed discussion of these items, please refer to the HEDIS 2010, Volume 6, Specifications for the Medicare Health Outcomes Survey Manual.<sup>1</sup>

## INTRODUCTION TO THE MEDICARE HEALTH OUTCOMES SURVEY

### *CMS and NCQA Collaboration*

The first Medicare managed care outcomes measure in the Healthcare Effectiveness Data and Information Set (HEDIS<sup>®</sup>)<sup>2</sup> was launched in 1998 by CMS in collaboration with the National Committee for Quality Assurance (NCQA). The measure includes the most recent advances in summarizing physical and mental health outcomes results and risk adjustment techniques.

### *HEDIS Measures*

An “outcomes” measure was developed with the desire to capture performance across multiple aspects of care, in addition to the traditional “process” measures that assess interventions such as mammograms for older women and retinal eye exams for people with diabetes. Evidence existed in the scientific literature that tied measured processes or interventions to favorable patient outcomes.

### *Development of the HOS Instrument*

CMS, NCQA, Health Assessment Lab (HAL), and performance measurement experts developed an instrument that would assess the physical functioning and mental well being of Medicare beneficiaries over time. Additional items were included in the HOS instrument to allow for case mix adjustment, which is essential for meaningful and valid plan-to-plan comparisons of health outcomes. In 2003, Healthy Days Measures questions were added from the Centers for Disease Control and Prevention’s (CDC) Behavioral Risk Factor Surveillance System (BRFSS), and questions were added that include the NCQA HEDIS measure for *Management of Urinary Incontinence in Older Adults*. In 2005, questions were included that comprise the NCQA HEDIS measure for *Physical Activity in Older Adults*.

### *Medicare Health Outcomes Survey 2.0*

In the spring of 2006, CMS implemented the Medicare HOS 2.0 for MAOs. The HOS 2.0 evaluates physical and mental health status using the Veterans RAND 12-Item Health Survey

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<sup>1</sup> National Committee for Quality Assurance. *HEDIS<sup>®</sup> 2010 Volume 6: Specifications for the Medicare Health Outcomes Survey*. Washington DC: NCQA Publication, 2010.

<sup>2</sup> HEDIS<sup>®</sup> is a registered trademark of the National Committee for Quality Assurance.

(VR-12).<sup>3</sup> The revised HOS instrument contains questions to gather information for case-mix and risk adjustment, and additional health assessment questions. The primary change in the HOS 2.0 from the original HOS measure reduced the physical and mental health outcome items from 36 items to 12 items. Other changes included a reduction in redundant or less useful health assessment items, the addition of HEDIS measures for *Osteoporosis Testing in Older Women* and *Fall Risk Management*, and the addition of height and weight questions for calculating body mass index (BMI). Use of the HOS 2.0 instrument reduces beneficiary burden while maintaining comparability of HOS results over time. The Medicare HOS 2.0 may be downloaded from the Survey Instrument section of the HOS website ([www.hosonline.org](http://www.hosonline.org)).

### ***Partners and Technical Advisors***

CMS currently contracts with NCQA and the Health Services Advisory Group (HSAG) to implement and operationalize all aspects of the HOS measure.

### ***Statutory Authority***

Section 722 of the Medicare Prescription Drug, Improvement, and Modernization act of 2003 mandates the collection, analysis, and reporting of health outcomes information. This legislation also specifies that data collected on quality, outcomes, and beneficiary satisfaction to facilitate consumer choice and program administration must utilize the types of data collected prior to November 1, 2003. Collected since 1998, the Medicare HOS is the only outcomes measure in Medicare managed care and therefore remains a critical part of assessing health plan quality. In addition, CMS includes the HOS results as a component of Medicare Options Compare, a web-based tool that helps inform beneficiaries about Medicare enrollment choices. CMS incorporates new survey components in HOS, as appropriate, in order to provide outcome measures that QIOs and MAOs can utilize in quality improvement initiatives.

### ***2010 Medicare Advantage Organization Participation***

All MAOs with a minimum enrollment of 500 members, including local and regional preferred provider organizations (PPOs), and continuing cost contracts that held §1876 risk and cost contracts, with Medicare contracts in effect on or before January 1, 2009 were required by CMS to administer the *Cohort 13 Baseline* survey in 2010. MAOs composed exclusively of Special Needs Plans (SNP) benefit packages, regardless of institutionalized, chronically ill or dual eligible enrollment were also included in the above requirement. Private-Fee-For-Service (PFFS) plans and Medical Savings Accounts with Medicare contracts in effect on or before January 1, 2009, were required to report HOS in 2010. Furthermore, all MAOs that administered the *Cohort 11 Baseline* survey in 2008 were required to administer the *Cohort 11 Follow Up* survey in 2010.

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<sup>3</sup> Iqbal SU, Rogers W, Selim A, Qian S, Lee A, Ren XS, Rothendler J, Miller D, Kazis L. The Veterans RAND 12 Item Health Survey (VR-12): What it is and How it is used. Accessed August 25, 2011 at [www.chqoer.research.va.gov/docs/VR12.pdf](http://www.chqoer.research.va.gov/docs/VR12.pdf).

## **SAMPLING METHODOLOGY**

The HOS measure is administered to a randomly selected sample of individuals at baseline from each MAO. The sampling methodology is dependent upon the size of a plan's population.

- MAOs with fewer than 500 members were not required to report HOS.
- For MAOs with 500 to 1,200 members, all eligible members were included in the sample.
- For MAOs with more than 1,200 members and less than 3,000 members, a simple random sample of 1,200 members was selected for the baseline survey.
- For MAOs with 3,000 or more members, members who responded to the previous year's baseline survey were excluded from the random sample of 1,200 for the current year.
- Members were defined as eligible if they were 18 years or older on the date the sample was drawn. The six months enrollment requirement was waived beginning in 2009, and the exclusion for End Stage Renal Disease (ESRD) was removed in 2010.

## **SURVEY ADMINISTRATION**

- MAOs contracted with an NCQA-Certified survey vendor to administer the survey following the protocol specified in the HEDIS 2010, Volume 6, Specifications for the Medicare Health Outcomes Survey Manual ([www.ncqa.org](http://www.ncqa.org)). The manual details the procedures to be followed during both mail and telephone phases of the protocol.
- The mail component of the survey used a standardized questionnaire, survey letters, and prenotification and reminder/thank you postcards.
- Survey vendors attempted telephone follow up (with at least six attempts) in those instances when beneficiaries failed to respond after the second mail survey.
- Survey vendors also performed telephone follow up for members who returned an incomplete mail survey in order to obtain missing responses. Survey vendors used a standardized English or Spanish version of a Computer Assisted Telephone Interviewing (CATI) script to collect telephone interview data for the survey. Survey vendors perform preliminary data cleaning, and follow up with survey respondents, as necessary.

For a more detailed discussion on data sampling, collection and submission please refer to the HEDIS 2010, Volume 6 manual.

## **SURVEY INSTRUMENT**

As mentioned previously, in 2006 CMS implemented the Medicare HOS 2.0. The revised HOS instrument contains questions to gather information for case-mix and risk-adjustment, and additional health assessment questions. A copy of the 2010 HOS survey instrument may be obtained from the [www.hosonline.org](http://www.hosonline.org) website.

## ***Veterans RAND 12-Item Health Survey (VR-12)***

Physical health status and mental health status are measured in the Medicare HOS 2.0 with the VR-12 health survey. The VR-12 consists of 14 items. Twelve items are used to aggregate scales from each of the eight concepts of health in the earlier 36-item surveys: physical functioning, role-physical, role-emotional, bodily pain, social functioning, mental health, vitality, and general health. Two of the 14 items, which ask about change in physical health and emotional health compared to one year ago, are not used in the calculation of the physical component summary (PCS) and mental component summary (MCS) scores.

The PCS and MCS scores were calculated from the VR-12 using the Modified Regression Estimate (MRE) for imputation of missing data and scoring.<sup>3</sup> The MRE is a general method for obtaining scale scores in the context of missing data, where a different set of regression weights is applied depending on the pattern of missing item responses.<sup>4</sup> With the MRE it is possible to obtain scores for PCS alone, MCS alone, or for both scores. Therefore a completed survey has been defined as one that could be used to calculate at least one of the scores.

PCS and MCS scores were standardized to the U.S. population and were 1990 norm-based so that scores have a direct interpretation in relation to the distribution of scores in the U.S. population, which have a mean of 50 and a standard deviation of 10. On a scale of 0-100, a higher PCS or MCS score reflects better health status. For the physical health summary measure, very high scores indicate no physical limitations, disabilities or decline in well being; high energy level; and a rating of health as “excellent.” For the mental health summary measure, very high scores indicate frequent positive affect, absence of psychological distress, and no limitations in usual social and role activities due to emotional problems.

## ***Case Mix Adjustment***

Case mix adjustment may be used by researchers in order to adjust the survey response data for beneficiary characteristics that are known to be related to systematic biases in the way people respond to survey questions. The HOS instrument includes several items that may be used for case mix adjustment purposes. These items include: demographic and socioeconomic characteristics (e.g., age group, gender, race, education and marital status); chronic medical conditions; and, HOS study design variables (e.g., a question on whether the survey was self-completed or completed by a proxy, the mode of survey administration, and the CMS region).

Note that the *2010 Cohort 13 Baseline* Public Use File does not contain any case mix adjusted scores. However, examples of the use of case mix adjustments with VR-12 scores from the HOS data may be found in the *Sample Baseline Report* and the *Sample Performance Measurement*

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<sup>4</sup> Spiro A, Rogers WH, Qian S, Kazis LE. *Imputing physical and mental summary scores (PCS and MCS) for the Veterans SF-12 Health Survey in the context of missing data*. Technical Report prepared by: The Health Outcomes Technologies Program, Health Services Department, Boston University School of Public Health, Boston, MA and The Institute for Health Outcomes and Policy, Center for Health Quality, Outcomes and Economic Research, Veterans Affairs Medical Center, Bedford, MA. 2004. Accessed August 4, 2011 at [http://www.hosonline.org/surveys/hos/download/HOS\\_Veterans\\_12\\_Imputation.pdf](http://www.hosonline.org/surveys/hos/download/HOS_Veterans_12_Imputation.pdf).

Report, which are available from the HOS Publications section on the Medicare HOS website ([www.hosonline.org](http://www.hosonline.org)).

### ***Additional Questions***

The 2010 HOS instrument also included questions on demographics, chronic medical conditions, Activities of Daily Living (ADLs), depression, smoking, physical health symptoms, height and weight, as well as other questions. A more detailed review of these questions follows.

#### Demographics

Demographics included questions on beneficiary age, gender, race, education, marital status, and annual household income.

#### Chronic Medical Conditions

Fourteen chronic medical conditions were included in the questionnaire. These conditions were: hypertension; angina pectoris or coronary artery disease; congestive heart failure; myocardial infarction or heart attack; other heart conditions, such as heart valve defects or arrhythmias; stroke; emphysema, asthma, or Chronic Obstructive Pulmonary Disease (COPD); inflammatory bowel disease, including Crohn's disease and ulcerative colitis; arthritis of the hip or knee; arthritis of the hand or wrist; osteoporosis; sciatica; diabetes, hyperglycemia, or glycosuria; and any cancer (other than skin cancer).

#### Activities of Daily Living (ADLs)

Six ADLs were included in the HOS survey to determine self-reported difficulty with performance of daily tasks. ADLs included bathing, dressing, eating, getting in or out of chairs, walking, and using the toilet.

#### Depression Screening

A respondent is considered to have a positive depression screen when he or she answers "yes" to *any* of the four questions that comprise the depression screen. These questions describe levels of depression that encompass feeling sad/blue for two weeks or more in the past year, depressed for much of the past year, depressed for two years or more in life or having depressive feelings at least one or two days in the past week.

#### Healthy Days Measures

In 2003, three Healthy Days questions from the Centers for Disease Control and Prevention's (CDC's) Behavioral Risk Factor Surveillance System (BRFSS) were added to the HOS. The questions encompass the number of days in the past thirty days that physical health is not good, mental health is not good, and activities were limited due to poor physical or mental health.

## NCQA HEDIS Measures

The following four measures are a part of the Effectiveness of Care domain of HEDIS and were included in the HOS 2.0 instrument:

- In 2003, four questions were added to support the *Management of Urinary Incontinence in Older Adults (MUI)* measure.
- In 2005, two questions were added to support the *Physical Activity in Older Adults (PAO)* measure.
- In 2006, four questions were added to support the *Fall Risk Management (FRM)* measure and one question was added to support the *Osteoporosis Testing in Older Women (OTO)* measure.

### ***New and Revised Fields***

There were no new fields in the *2010 Cohort 13 Baseline* PUF compared with the *2009 Cohort 12 Baseline* PUF.

### ***Excluded Fields***

No fields were excluded in the *2010 Cohort 13 Baseline* PUF compared with the *2009 Cohort 12 Baseline* PUF.

### ***Additional Information***

For further information about these items and additional items on the Medicare HOS instrument, please refer to the HEDIS 2010, Volume 6, Specifications for the Medicare Health Outcomes Survey Manual, which may be purchased by calling the NCQA Customer Support Telephone Line at 1-888-275-7585 or via NCQA's Secure Online Order Center ([www.ncqa.org](http://www.ncqa.org)). The 2010 Medicare HOS 2.0 may be obtained from the Survey Instrument section of the HOS website ([www.hosonline.org](http://www.hosonline.org)). Additionally, a glossary of terms related to the survey may be accessed from the Program Overview section of the HOS website.

## **DATA FIELD UTILIZATION NOTES**

- The HOS questionnaire contains multiple skip patterns. Caution should be exercised when examining questions that involve skip pattern responses. Please refer to the *Field Index with Field Descriptions* section for additional information.
- When the sampled beneficiary was unable to complete the survey, the HOS protocol allowed for the utilization of a proxy respondent (Field #80). Surveys completed either by the respondents themselves or by proxy respondents are included in the PUF.

# Characteristics of the Public Use File

This section provides an overview of the Medicare Health Outcomes Survey (HOS) *2010 Cohort 13 Baseline* Public Use File (C13B\_PUF.TXT), including the general characteristics of the data and a description of the fields contained within it.

## FIELD OVERVIEW

The *2010 Cohort 13 Baseline* Medicare HOS included a random sample of 546,931 beneficiaries, including both the aged and disabled, from 471 managed care plans. Of the 546,931 individuals sampled, 347,945 (63.6%) completed the baseline survey and were included in the C13B\_PUF.TXT data file. For the purposes of this data file, a completed survey was defined as a survey with at least one question item completed and a survey disposition code equal to M10, M11, M31, T10, T11, or T31 (please refer to Field 81 in the Survey Administration Table for a description of the codes). The C13B\_PUF.TXT data file is a fixed-width ASCII text file (37.0 megabytes in size) with a total of 86 fields and 347,945 beneficiary records. Each row in the file represents an individual's HOS survey responses, also referred to as a beneficiary record.

The PUF has been modified from the original *2010 Cohort 13 Baseline* data file in order to preserve confidentiality at the beneficiary and plan levels. Many demographic and plan-level fields have been omitted from this file or have been collapsed into fewer categories (see *Limitations of the Data* section). Sensitive beneficiary identifying fields (such as Social Security number, health insurance claim [HIC] number, beneficiary name, etc.) have been removed and replaced with a unique nine digit randomly assigned code.

The 86 fields in the C13\_PUF.TXT data file are organized into three different groups:

- Identification and Demographics
- Survey Question Responses
- Survey Administration

## FIELD DESCRIPTION

The following content provides details for interpreting the specific fields contained within the data file.

### *Identification and Demographics*

- **Unique Identifier**, Field: 1  
This is a unique nine digit alphanumeric identifier that is randomly assigned for each beneficiary record. Positions 1 through 3 identify the cohort in which the respondent was first surveyed. Positions 4 through 9 contain a random number. Any beneficiary surveyed in a subsequent baseline cohort will be assigned the same blinded identifier to allow for comparisons of those beneficiaries who were measured across multiple baseline cohorts. For example, if a beneficiary was surveyed in both *Cohort 1 Baseline* and *Cohort 2 Baseline*, the beneficiary's identifier in the *Cohort 2 Baseline* PUF will match the identifier assigned in the *Cohort 1 Baseline* PUF. Before being excluded due to confidentiality issues, the HIC number was used to identify those individuals measured across multiple baseline cohorts. The data are sorted by the unique identifier.

*Example:* C01001097

*Source:* Field created during production of the C13B\_PUF.TXT data file

- **Age Group**, Field: 2  
Age group of the beneficiary  
*Source:* Centers for Medicare & Medicaid Services (CMS) databases
- **Race**, Field: 3  
Self-reported race of the beneficiary  
*Source:* Q58 from survey
- **Gender**, Field: 4  
Self-reported gender of the beneficiary  
*Source:* Q56 from survey
- **Marital Status**, Field: 5  
Self-reported marital status of the beneficiary  
*Source:* Q59 from survey
- **Education Level**, Field: 6  
Self-reported educational attainment of the beneficiary  
*Source:* Q60 from survey
- **Body Mass Index Category**, Field: 7  
Calculated from the self-reported weight and height of the beneficiary  
*Source:* Q53 and Q54 from survey

## *Survey Question Responses*

- **12-Item Health Survey Questions**, Fields: 8 through 19  
These fields represent the 12-item health survey questions, which can be found on pages 1-5 through 1-6 of the HEDIS 2010, Volume 6 manual. The 12-item health survey questions include Q1 through Q7 in the HOS questionnaire. Please refer to the *Program Background* section in this Data User's Guide for a more detailed description of the 12-item health survey.
- **Additional Questions**, Fields: 20 through 80  
These fields comprise the balance of the survey questions found on pages 1-6 through 1-15 of the HEDIS 2010, Volume 6 manual. These fields include most of the remaining questions Q8 through Q62 in the HOS questionnaire. Please refer to the *Program Background* section for a more detailed outline of these questions.

## *Survey Administration*

- **Survey Disposition**, Field: 81  
Identifies completion status and mode by which the survey was completed  
*Source:* National Committee for Quality Assurance (NCQA)-Certified HOS Vendor
- **Survey Round**, Field: 82  
Stage in which survey was returned or survey completion was attempted by a vendor  
*Source:* NCQA-Certified HOS Vendor
- **Percent of Survey Completed**, Field: 83  
Percentage of the survey completed by the respondent  
*Source:* Field created during the processing of the *Cohort 13 Baseline* data file.
- **Cohort Identifier**, Field: 84  
Cohort in which the HOS surveys contained in this data file were submitted  
**SPECIAL NOTE:** Value for each record will equal "C13"  
*Source:* Field created during production of the C13B\_PUF.TXT data file
- **CMS Region**, Field: 85  
CMS Regional Office to which the plan belongs  
*Source:* August 2010 Plan Contract List from HPMS
- **Survey Language**, Field: 86  
Language in which the survey was completed  
*Source:* NCQA-Certified HOS Vendor

Further details of the contents of the PUF are available in the *Field Index with Field Descriptions* section of this Data User's Guide.

# Limitations of the Data

This section illustrates the limitations of the data, including issues related to the categorization of selected fields and the identification of Medicare beneficiaries.

Selected questions that appear in the *2010 Health Outcomes Survey Questionnaire*<sup>1</sup> are not available in the C13B\_PUF.TXT data file due to confidentiality issues. Demographic fields that have been omitted include the beneficiary's year of birth, homeownership, annual household income, Hispanic or Spanish family background, beneficiary's weight and height, and the name of the person who completed the survey. Many plan-related fields have also been omitted to ensure confidentiality of the plan.

## Categorization of Selected Fields

Selected demographic fields were collapsed into fewer categories to maintain beneficiary confidentiality. Collapsed categories include:

Field	Scale in C13B_PUF.TXT	Scale in HOS Questionnaire <sup>5</sup>
Race of Beneficiary	1 = White 2 = Black or African American 3 = Other	The survey race question allowed one or more response choices from the following categories: a = American Indian or Alaskan Native b = Asian c = Black or African American d = Native Hawaiian or Other Pacific Islander e = White f = Another race
Marital Status of Beneficiary	1 = Married 2 = Non-Married	1 = Married 2 = Divorced 3 = Separated 4 = Widowed 5 = Never married
Education Level of Beneficiary	1 = Less than a high school education or GED 2 = High school education or GED 3 = Greater than a high school education or GED	1 = 8 <sup>th</sup> grade or less 2 = Some high school, but did not graduate 3 = High school graduate or GED 4 = Some college or 2 year degree 5 = 4 year college graduate 6 = More than a 4 year college degree
Body Mass Index Category	1 = Not obese (BMI < 30) 2 = Obese (BMI ≥ 30)	Beneficiary's category of body mass index <sup>6</sup> 1 = Underweight (BMI < 20) 2 = Normal (BMI 20 – < 25) 3 = Overweight (BMI 25 – < 30) 4 = Obese (BMI 30 – < 35) 5 = Morbid Obesity (BMI ≥ 35)

<sup>5</sup> Scale as it is represented in the *2010 HOS Questionnaire*.

<sup>6</sup> BMI category is calculated from the beneficiary's self-reported weight category (Q53) and height (Q54).

# Field Index with Field Descriptions

This section provides detailed information regarding the structure and fields of the C13B\_PUF.TXT data file. The following tables include the order, description, position, valid values, and any additional information for each field in the data file. All of the codes shown as valid values may not be present in the data. Fields are presented in the same order as they exist in the data file.

The C13B\_PUF.TXT data file:

- Is a fixed-width ASCII text file of 37.0 megabytes
- Consists of *Cohort 13 Baseline* HOS surveys completed in 2010
- Contains a total of 86 fields and 347,945 beneficiary records
- All records are of length 107
- Contains a blank space for all missing values
- Contains numeric values with the exception of field numbers 1, 81, 82 and 84
- Is sorted by the unique identifier

## Identification and Demographics Table

Field #	Field Description	Field Position	Additional Information and Valid Values
1	Unique Identifier	1-9	A unique nine digit randomly assigned code for each beneficiary <b>SPECIAL NOTE:</b> This field contains a character string. Example: C01001097
2	Age Group of Beneficiary	10	Beneficiary's age group. Age was calculated from the birth date, obtained from CMS data, and the survey date. 1 = Less than 65 2 = 65 to 74 3 = 75 and older
3	Race of Beneficiary	11	Beneficiary's response category derived from Q58 in the <i>Cohort 13 Baseline</i> survey: <b>Note: The original codes (a-f) from Q58 have been collapsed into the three groups shown below.</b> <i>How would you describe your race?</i> 1 = White 2 = Black or African American 3 = Other
4	Gender of Beneficiary	12	Beneficiary's response to Q56 from the <i>Cohort 13 Baseline</i> survey: <i>Are you male or female?</i> 1 = Male 2 = Female
5	Marital Status of Beneficiary	13	Beneficiary's response category derived from Q59 in the <i>Cohort 13 Baseline</i> survey: <b>Note: The original codes (1-5) from Q59 have been collapsed into the two groups shown below.</b> <i>What is your current marital status?</i> 1 = Married 2 = Non-Married
6	Education Level of Beneficiary	14	Beneficiary's response category derived from Q60 in the <i>Cohort 13 Baseline</i> survey: <b>Note: The original codes (1-6) from Q60 have been collapsed into the three groups shown below.</b> <i>What is the highest grade or level of school that you have completed?</i> 1 = Less than a high school education or GED 2 = High school education or GED 3 = Greater than a high school education or GED
7	Body Mass Index Category	15	Beneficiary's Body Mass Index Category, calculated from beneficiary's self-reported weight category and height from the <i>Cohort 13 Baseline</i> survey. 1 = Not obese (BMI < 30) 2 = Obese (BMI ≥ 30)

## Survey Question Responses Table

Field #	Field Description	Field Position	Additional Information and Valid Values
8	Cohort 13 Baseline Survey: General Health Question (Q1)	16	Beneficiary's response to Q1: <i>In general, would you say your health is:</i> 1 = Excellent 2 = Very good 3 = Good 4 = Fair 5 = Poor
9	Cohort 13 Baseline Survey: Moderate Activities Question (Q2a)	17	Beneficiary's response to Q2a: <i>The following items are about activities you might do during a typical day. Does <b>your health now limit you</b> in these activities? If so, how much?</i> <b>Moderate activities</b> , such as <u>moving a table, pushing a vacuum cleaner, bowling, or playing golf</u> 1 = Yes, limited a lot 2 = Yes, limited a little 3 = No, not limited at all
10	Cohort 13 Baseline Survey: Climbing Several Flights of Stairs Question (Q2b)	18	Beneficiary's response to Q2b: <i>The following items are about activities you might do during a typical day. Does <b>your health now limit you</b> in these activities? If so, how much?</i> <u>Climbing several flights of stairs</u> 1 = Yes, limited a lot 2 = Yes, limited a little 3 = No, not limited at all
11	Cohort 13 Baseline Survey: Physical Health Limiting Amount Accomplished Question (Q3a)	19	Beneficiary's response to Q3a: <i>During the <b>past 4 weeks</b>, have you had any of the following problems with your work or other regular daily activities as a result of your physical health?</i> <u>Accomplished less than you would like</u> 1 = No, none of the time 2 = Yes, a little of the time 3 = Yes, some of the time 4 = Yes, most of the time 5 = Yes, all of the time
12	Cohort 13 Baseline Survey: Physical Health Limiting the Kind of Activities Question (Q3b)	20	Beneficiary's response to Q3b: <i>During the <b>past 4 weeks</b>, have you had any of the following problems with your work or other regular daily activities as a result of your physical health?</i> <u>Were limited in the <b>kind</b> of work or other activities</u> 1 = No, none of the time 2 = Yes, a little of the time 3 = Yes, some of the time 4 = Yes, most of the time 5 = Yes, all of the time

Field #	Field Description	Field Position	Additional Information and Valid Values
13	Cohort 13 Baseline Survey: Emotional Problems Limiting Amount Accomplished Question (Q4a)	21	Beneficiary's response to Q4a: <i>During the <b>past 4 weeks</b>, have you had any of the following problems with your work or other regular daily activities <b>as a result of any emotional problems</b> (such as feeling depressed or anxious)?</i> <u>Accomplished less than you would like</u> 1 = No, none of the time 2 = Yes, a little of the time 3 = Yes, some of the time 4 = Yes, most of the time 5 = Yes, all of the time
14	Cohort 13 Baseline Survey: Emotional Problems Limiting Carefulness Question (Q4b)	22	Beneficiary's response to Q4b: <i>During the <b>past 4 weeks</b>, have you had any of the following problems with your work or other regular daily activities <b>as a result of any emotional problems</b> (such as feeling depressed or anxious)?</i> <u>Didn't do work or other activities as carefully as usual</u> 1 = No, none of the time 2 = Yes, a little of the time 3 = Yes, some of the time 4 = Yes, most of the time 5 = Yes, all of the time
15	Cohort 13 Baseline Survey: Pain Interfering with Work Question (Q5)	23	Beneficiary's response to Q5: <i>During the <b>past 4 weeks</b>, how much did <b>pain</b> interfere with your normal work (including both work outside the home and housework)?</i> 1 = Not at all 2 = A little bit 3 = Moderately 4 = Quite a bit 5 = Extremely
16	Cohort 13 Baseline Survey: Calm and Peaceful Question (Q6a)	24	Beneficiary's response to Q6a: <i>These questions are about how you feel and how things have been with you during the <b>past 4 weeks</b>. For each question, please give the one answer that comes closest to the way you have been feeling. <b>How much of the time during the past 4 weeks...</b></i> <u>Have you felt calm and peaceful?</u> 1 = All of the time 2 = Most of the time 3 = A good bit of the time 4 = Some of the time 5 = A little of the time 6 = None of the time

Field #	Field Description	Field Position	Additional Information and Valid Values
17	Cohort 13 Baseline Survey: Lots of Energy Question (Q6b)	25	Beneficiary's response to Q6b: <i>These questions are about how you feel and how things have been with you during the <b>past 4 weeks</b>. For each question, please give the one answer that comes closest to the way you have been feeling.</i> <b>How much of the time during the past 4 weeks...</b> <u>Did you have a lot of energy?</u> 1 = All of the time 2 = Most of the time 3 = A good bit of the time 4 = Some of the time 5 = A little of the time 6 = None of the time
18	Cohort 13 Baseline Survey: Downhearted and Blue Question (Q6c)	26	Beneficiary's response to Q6c: <i>These questions are about how you feel and how things have been with you during the <b>past 4 weeks</b>. For each question, please give the one answer that comes closest to the way you have been feeling.</i> <b>How much of the time during the past 4 weeks...</b> <u>Have you felt downhearted and blue?</u> 1 = All of the time 2 = Most of the time 3 = A good bit of the time 4 = Some of the time 5 = A little of the time 6 = None of the time
19	Cohort 13 Baseline Survey: Amount of Time Health Interfering with Social Activities Question (Q7)	27	Beneficiary's response to Q7: <i>During the <b>past 4 weeks</b>, how much of the time has your <b>physical health or emotional problems</b> interfered with your social activities (like visiting with friends, relatives, etc.)?</i> 1 = All of the time 2 = Most of the time 3 = Some of the time 4 = A little of the time 5 = None of the time
20	Cohort 13 Baseline Survey: Physical Health Compared to One Year Ago Question (Q8)	28	Beneficiary's response to Q8: <b>Compared to one year ago</b> , how would you rate your <b>physical health</b> in general now? 1 = Much better 2 = Slightly better 3 = About the same 4 = Slightly worse 5 = Much worse
21	Cohort 13 Baseline Survey: Emotional Problems Compared to One Year Ago Question (Q9)	29	Beneficiary's response to Q9: <b>Compared to one year ago</b> , how would you rate your <b>emotional problems</b> (such as feeling anxious, depressed or irritable) in general now? 1 = Much better 2 = Slightly better 3 = About the same 4 = Slightly worse 5 = Much worse

Field #	Field Description	Field Position	Additional Information and Valid Values
22	Cohort 13 Baseline Survey: Bathing Question (Q10a)	30	Beneficiary's response to Q10a: <i>Because of a health or physical problem, do you have any difficulty doing the following activities without special equipment or help from another person?</i> <u>Bathing</u> 1 = No, I do not have difficulty 2 = Yes, I have difficulty 3 = I am unable to do this activity
23	Cohort 13 Baseline Survey: Dressing Question (Q10b)	31	Beneficiary's response to Q10b: <i>Because of a health or physical problem, do you have any difficulty doing the following activities without special equipment or help from another person?</i> <u>Dressing</u> 1 = No, I do not have difficulty 2 = Yes, I have difficulty 3 = I am unable to do this activity
24	Cohort 13 Baseline Survey: Eating Question (Q10c)	32	Beneficiary's response to Q10c: <i>Because of a health or physical problem, do you have any difficulty doing the following activities without special equipment or help from another person?</i> <u>Eating</u> 1 = No, I do not have difficulty 2 = Yes, I have difficulty 3 = I am unable to do this activity
25	Cohort 13 Baseline Survey: Getting In or Out of Chairs Question (Q10d)	33	Beneficiary's response to Q10d: <i>Because of a health or physical problem, do you have any difficulty doing the following activities without special equipment or help from another person?</i> <u>Getting in or out of chairs</u> 1 = No, I do not have difficulty 2 = Yes, I have difficulty 3 = I am unable to do this activity
26	Cohort 13 Baseline Survey: Walking Question (Q10e)	34	Beneficiary's response to Q10e: <i>Because of a health or physical problem, do you have any difficulty doing the following activities without special equipment or help from another person?</i> <u>Walking</u> 1 = No, I do not have difficulty 2 = Yes, I have difficulty 3 = I am unable to do this activity

Field #	Field Description	Field Position	Additional Information and Valid Values
27	<i>Cohort 13 Baseline Survey:</i> Using the Toilet Question (Q10f)	35	Beneficiary's response to Q10f: <i>Because of a health or physical problem, do you have any difficulty doing the following activities without special equipment or help from another person?</i> <u>Using the toilet</u> 1 = No, I do not have difficulty 2 = Yes, I have difficulty 3 = I am unable to do this activity
28	<i>Cohort 13 Baseline Survey:</i> Number of Days Physical Health Not Good Question (Q11)	36 – 37	Beneficiary's response to Q11: <i>Now, thinking about your physical health, which includes physical illness and injury, for how many days during the <b>past 30 days</b> was your physical health <b>not</b> good? (Please enter a number between "0" and "30" days. If no days, please enter "0" days.)</i>
29	<i>Cohort 13 Baseline Survey:</i> Number of Days Mental Health Not Good Question (Q12)	38 – 39	Beneficiary's response to Q12: <i>Now, thinking about your mental health, which includes stress, depression, and problems with emotions, for how many days during the <b>past 30 days</b> was your mental health <b>not</b> good? (Please enter a number between "0" and "30" days. If no days, please enter "0" days.)</i>
30	<i>Cohort 13 Baseline Survey:</i> Number of Days Health Interfered with Daily Activities Question (Q13)	40 – 41	Beneficiary's response to Q13: <i>During the <b>past 30 days</b>, for about how many days did <b>poor</b> physical or mental health keep you from doing your usual activities, such as self-care, work, or recreation? (Please enter a number between "0" and "30" days. If no days, please enter "0" days.)</i>
31	<i>Cohort 13 Baseline Survey:</i> Chest Pain or Pressure During Exercise Question (Q14a)	42	Beneficiary's response to Q14a: <i>During the <b>past 4 weeks</b>, how often have you had any of the following problems?</i> <u>Chest pain or pressure when you exercise</u> 1 = All of the time 2 = Most of the time 3 = Some of the time 4 = A little of the time 5 = None of the time
32	<i>Cohort 13 Baseline Survey:</i> Chest Pain or Pressure When Resting Question (Q14b)	43	Beneficiary's response to Q14b: <i>During the <b>past 4 weeks</b>, how often have you had any of the following problems?</i> <u>Chest pain or pressure when resting</u> 1 = All of the time 2 = Most of the time 3 = Some of the time 4 = A little of the time 5 = None of the time

Field #	Field Description	Field Position	Additional Information and Valid Values
33	Cohort 13 Baseline Survey: Shortness of Breath When Lying Flat Question (Q15a)	44	Beneficiary's response to Q15a: <i>During the <b>past 4 weeks</b>, how often have you felt short of breath under the following conditions?</i> <u>When lying down flat</u> 1 = All of the time 2 = Most of the time 3 = Some of the time 4 = A little of the time 5 = None of the time
34	Cohort 13 Baseline Survey: Shortness of Breath When Sitting or Resting Question (Q15b)	45	Beneficiary's response to Q15b: <i>During the <b>past 4 weeks</b>, how often have you felt short of breath under the following conditions?</i> <u>When sitting or resting</u> 1 = All of the time 2 = Most of the time 3 = Some of the time 4 = A little of the time 5 = None of the time
35	Cohort 13 Baseline Survey: Shortness of Breath When Walking Less than One Block Question (Q15c)	46	Beneficiary's response to Q15c: <i>During the <b>past 4 weeks</b>, how often have you felt short of breath under the following conditions?</i> <u>When walking less than one block</u> 1 = All of the time 2 = Most of the time 3 = Some of the time 4 = A little of the time 5 = None of the time
36	Cohort 13 Baseline Survey: Shortness of Breath When Climbing One Flight of Stairs Question (Q15d)	47	Beneficiary's response to Q15d: <i>During the <b>past 4 weeks</b>, how often have you felt short of breath under the following conditions?</i> <u>When climbing one flight of stairs</u> 1 = All of the time 2 = Most of the time 3 = Some of the time 4 = A little of the time 5 = None of the time
37	Cohort 13 Baseline Survey: Numbness in Feet Question (Q16a)	48	Beneficiary's response to Q16a: <i>During the <b>past 4 weeks</b>, how much of the time have you had any of the following problems with your legs and feet?</i> <u>Numbness or loss of feeling in your feet</u> 1 = All of the time 2 = Most of the time 3 = Some of the time 4 = A little of the time 5 = None of the time

Field #	Field Description	Field Position	Additional Information and Valid Values
38	Cohort 13 Baseline Survey: Tingling or Burning Sensation in Feet Question (Q16b)	49	Beneficiary's response to Q16b: <i>During the <b>past 4 weeks</b>, how much of the time have you had any of the following problems with your legs and feet?</i> <u>Tingling or burning sensation in your feet especially at night</u> 1 = All of the time 2 = Most of the time 3 = Some of the time 4 = A little of the time 5 = None of the time
39	Cohort 13 Baseline Survey: Decreased Temperature Sensation in Feet Question (Q16c)	50	Beneficiary's response to Q16c: <i>During the <b>past 4 weeks</b>, how much of the time have you had any of the following problems with your legs and feet?</i> <u>Decreased ability to feel hot or cold with your feet</u> 1 = All of the time 2 = Most of the time 3 = Some of the time 4 = A little of the time 5 = None of the time
40	Cohort 13 Baseline Survey: Sores or Wounds on Feet Question (Q16d)	51	Beneficiary's response to Q16d: <i>During the <b>past 4 weeks</b>, how much of the time have you had any of the following problems with your legs and feet?</i> <u>Sores or wounds on your feet that did not heal</u> 1 = All of the time 2 = Most of the time 3 = Some of the time 4 = A little of the time 5 = None of the time
41	Cohort 13 Baseline Survey: Arthritis Pain Question (Q17)	52	Beneficiary's response to Q17: <i>During the <b>past 4 weeks</b>, how would you describe any arthritis pain you usually had?</i> 1 = None 2 = Very mild 3 = Mild 4 = Moderate 5 = Severe
42	Cohort 13 Baseline Survey: Vision Question (Q18)	53	Beneficiary's response to Q18: <i>Can you see well enough to read newspaper print (with your glasses or contacts if that's how you see best)?</i> 1 = Yes 2 = No
43	Cohort 13 Baseline Survey: Hearing Question (Q19)	54	Beneficiary's response to Q19: <i>Can you hear <b>most</b> of the things people say (with a hearing aid if that's how you hear best)?</i> 1 = Yes 2 = No

Field #	Field Description	Field Position	Additional Information and Valid Values
44	<i>Cohort 13 Baseline Survey:</i> Hypertension Question (Q20)	55	Beneficiary's response to Q20: <b><i>Has a doctor ever told you that you had:</i></b> <u>Hypertension or high blood pressure</u> 1 = Yes 2 = No
45	<i>Cohort 13 Baseline Survey:</i> Angina or Coronary Artery Disease Question (Q21)	56	Beneficiary's response to Q21: <b><i>Has a doctor ever told you that you had:</i></b> <u>Angina pectoris or coronary artery disease</u> 1 = Yes 2 = No
46	<i>Cohort 13 Baseline Survey:</i> Congestive Heart Failure Question (Q22)	57	Beneficiary's response to Q22: <b><i>Has a doctor ever told you that you had:</i></b> <u>Congestive heart failure</u> 1 = Yes 2 = No
47	<i>Cohort 13 Baseline Survey:</i> Myocardial Infarction Question (Q23)	58	Beneficiary's response to Q23: <b><i>Has a doctor ever told you that you had:</i></b> <u>A myocardial infarction or heart attack</u> 1 = Yes 2 = No
48	<i>Cohort 13 Baseline Survey:</i> Other Heart Conditions Question (Q24)	59	Beneficiary's response to Q24: <b><i>Has a doctor ever told you that you had:</i></b> <u>Other heart conditions, such as problems with heart valves or the rhythm of your heartbeat</u> 1 = Yes 2 = No
49	<i>Cohort 13 Baseline Survey:</i> Stroke Question (Q25)	60	Beneficiary's response to Q25: <b><i>Has a doctor ever told you that you had:</i></b> <u>A stroke</u> 1 = Yes 2 = No
50	<i>Cohort 13 Baseline Survey:</i> COPD Question (Q26)	61	Beneficiary's response to Q26: <b><i>Has a doctor ever told you that you had:</i></b> <u>Emphysema, or asthma, or COPD (chronic obstructive pulmonary disease)</u> 1 = Yes 2 = No
51	<i>Cohort 13 Baseline Survey:</i> Inflammatory Bowel Disease Question (Q27)	62	Beneficiary's response to Q27: <b><i>Has a doctor ever told you that you had:</i></b> <u>Crohn's disease, ulcerative colitis, or inflammatory bowel disease</u> 1 = Yes 2 = No
52	<i>Cohort 13 Baseline Survey:</i> Arthritis of Hip or Knee Question (Q28)	63	Beneficiary's response to Q28: <b><i>Has a doctor ever told you that you had:</i></b> <u>Arthritis of the hip or knee</u> 1 = Yes 2 = No

Field #	Field Description	Field Position	Additional Information and Valid Values
53	Cohort 13 Baseline Survey: Arthritis of Hand or Wrist Question (Q29)	64	Beneficiary's response to Q29: <b>Has a doctor ever told you that you had:</b> <u>Arthritis of the hand or wrist</u> 1 = Yes 2 = No
54	Cohort 13 Baseline Survey: Osteoporosis Question (Q30)	65	Beneficiary's response to Q30: <b>Has a doctor ever told you that you had:</b> <u>Osteoporosis, sometimes called thin or brittle bones</u> 1 = Yes 2 = No
55	Cohort 13 Baseline Survey: Sciatica Question (Q31)	66	Beneficiary's response to Q31: <b>Has a doctor ever told you that you had:</b> <u>Sciatica (pain or numbness that travels down your leg to below your knee)</u> 1 = Yes 2 = No
56	Cohort 13 Baseline Survey: Diabetes Question (Q32)	67	Beneficiary's response to Q32: <b>Has a doctor ever told you that you had:</b> <u>Diabetes, high blood sugar, or sugar in the urine</u> 1 = Yes 2 = No
57	Cohort 13 Baseline Survey: Any Cancer Question (Q33)	68	Beneficiary's response to Q33: <b>Has a doctor ever told you that you had:</b> <u>Any cancer (other than skin cancer)</u> 1 = Yes 2 = No
58	Cohort 13 Baseline Survey: Colorectal Cancer Treatment Question (Q34a)	69	Beneficiary's response to Q34a: <b>If you answered "yes" to question 33 above (that you have had cancer),</b> <b>Are you currently under treatment for:</b> <u>Colon or rectal cancer</u> 1 = Yes 2 = No
59	Cohort 13 Baseline Survey: Lung Cancer Treatment Question (Q34b)	70	Beneficiary's response to Q34b: <b>If you answered "yes" to question 33 above (that you have had cancer),</b> <b>Are you currently under treatment for:</b> <u>Lung cancer</u> 1 = Yes 2 = No
60	Cohort 13 Baseline Survey: Breast Cancer Treatment Question (Q34c)	71	Beneficiary's response to Q34c: <b>If you answered "yes" to question 33 above (that you have had cancer),</b> <b>Are you currently under treatment for:</b> <u>Breast cancer</u> 1 = Yes 2 = No

Field #	Field Description	Field Position	Additional Information and Valid Values
61	Cohort 13 Baseline Survey: Prostate Cancer Treatment Question (Q34d)	72	Beneficiary's response to Q34d: <b><i>If you answered "yes" to question 33 above (that you have had cancer),</i></b> <i>Are you currently under treatment for:</i> <u>Prostate cancer</u> 1 = Yes 2 = No
62	Cohort 13 Baseline Survey: Low Back Pain Question (Q35)	73	Beneficiary's response to Q35: <i>In the <b>past 4 weeks</b>, how often has low back pain interfered with your usual daily activities (work, school or housework)?</i> 1 = All of the time 2 = Most of the time 3 = Some of the time 4 = A little of the time 5 = None of the time
63	Cohort 13 Baseline Survey: Sad, Blue, or Depressed for 2 or More Weeks in Past Year Question (Q36)	74	Beneficiary's response to Q36: <i>In the <b>past year</b>, have you had 2 weeks or more during which you felt sad, blue or depressed; or when you lost interest or pleasure in things that you usually cared about or enjoyed?</i> 1 = Yes 2 = No
64	Cohort 13 Baseline Survey: Depressed or Sad for Much of Past Year Question (Q37)	75	Beneficiary's response to Q37: <i>In the <b>past year</b>, have you felt depressed or sad much of the time?</i> 1 = Yes 2 = No
65	Cohort 13 Baseline Survey: Depressed or Sad for 2 or More Years in Your Life Question (Q38)	76	Beneficiary's response to Q38: <i>Have you ever had <b>2 years or more</b> in your life when you felt depressed or sad most days, even if you felt okay sometimes?</i> 1 = Yes 2 = No
66	Cohort 13 Baseline Survey: Depressed for How Much of the Time in Past Week Question (Q39)	77	Beneficiary's response to Q39: <i>How much of the time in the <b>past week</b> did you feel depressed?</i> 1 = Less than one day 2 = One or two days 3 = Three or four days 4 = More than four days
67	Cohort 13 Baseline Survey: Comparative Health Question (Q40)	78	Beneficiary's response to Q40: <i>In general, compared to other people your age, would you say that your health is:</i> 1 = Excellent 2 = Very good 3 = Good 4 = Fair 5 = Poor

Field #	Field Description	Field Position	Additional Information and Valid Values
68	<i>Cohort 13 Baseline Survey: Current Smoker Question (Q41)</i>	79	Beneficiary's response to Q41: <i>Do you now smoke every day, some days, or not at all?</i> 1 = Every day 2 = Some days 3 = Not at all 4 = Don't know
69	<i>Cohort 13 Baseline Survey: Urine Leakage Question (Q42)</i>	80	Beneficiary's response to Q42: <i>Many people experience problems with urinary incontinence, the leakage of urine. In the past 6 months, have you accidentally leaked urine?</i> 1 = Yes (Go to Q43) 2 = No (Go to Q46)
70	<i>Cohort 13 Baseline Survey: Magnitude of Urine Leakage Problem Question (Q43)</i>	81	Beneficiary's response to Q43: <i>How much of a problem, if any, was the urine leakage for you?</i> 1 = A big problem (Go to Q44) 2 = A small problem (Go to Q44) 3 = Not a problem (Go to Q46)
71	<i>Cohort 13 Baseline Survey: Talked with Doctor about Urine Leakage Question (Q44)</i>	82	Beneficiary's response to Q44: <i>Have you talked with your current doctor or other health provider about your urine leakage problem?</i> 1 = Yes 2 = No
72	<i>Cohort 13 Baseline Survey: Received Treatment for Urine Leakage Question (Q45)</i>	83	Beneficiary's response to Q45: <i>There are many ways to treat urinary incontinence including bladder training, exercises, medication and surgery. Have you received these or any other treatments for your current urine leakage problem?</i> 1 = Yes 2 = No
73	<i>Cohort 13 Baseline Survey: Talked with Doctor about Physical Activities Question (Q46)</i>	84	Beneficiary's response to Q46: <i>In the past 12 months, did you talk with a doctor or other health provider about your level of exercise or physical activity? For example, a doctor or other health provider may ask if you exercise regularly or take part in physical exercise.</i> 1 = Yes (Go to Q47) 2 = No (Go to Q47) 3 = I had no visits in the last 12 months (Go to Q48)

Field #	Field Description	Field Position	Additional Information and Valid Values
74	<i>Cohort 13 Baseline Survey: Advised to Increase or Maintain Activities Question (Q47)</i>	85	Beneficiary's response to Q47: <i>In the <b>past 12 months</b>, did a doctor or other health provider advise you to start, increase or maintain your level of exercise or physical activity? For example, in order to improve your health, your doctor or other health provider may advise you to start taking the stairs, increase walking from 10 to 20 minutes every day or to maintain your current exercise program.</i> 1 = Yes 2 = No
75	<i>Cohort 13 Baseline Survey: Talked to Doctor about Falling or Balance Problem Question (Q48)</i>	86	Beneficiary's response to Q48: <i>A fall is when your body goes to the ground without being pushed. In the <b>past 12 months</b>, did you talk with your doctor or other health provider about falling or problems with balance or walking?</i> 1 = Yes 2 = No 3 = I had no visits in the past 12 months
76	<i>Cohort 13 Baseline Survey: Fell in Past 12 Months Question (Q49)</i>	87	Beneficiary's response to Q49: <i>Did you fall in the <b>past 12 months</b>?</i> 1 = Yes 2 = No
77	<i>Cohort 13 Baseline Survey: Problem with Walking or Balance in Past 12 Months Question (Q50)</i>	88	Beneficiary's response to Q50: <i>In the <b>past 12 months</b>, have you had a problem with balance or walking?</i> 1 = Yes 2 = No
78	<i>Cohort 13 Baseline Survey: Talked to Doctor about How to Prevent Falls Question (Q51)</i>	89	Beneficiary's response to Q51: <i>Has your doctor or other health provider done anything to help prevent falls or treat problems with balance or walking? Some things they might do include:</i> <ul style="list-style-type: none"> <li>• Suggest that you use a cane or walker</li> <li>• Check your blood pressure lying or standing</li> <li>• Suggest that you do an exercise or physical therapy program</li> <li>• Suggest a vision or hearing testing</li> </ul> 1 = Yes 2 = No 3 = I had no visits in the past 12 months
79	<i>Cohort 13 Baseline Survey: Osteoporosis Testing Question (Q52)</i>	90	Beneficiary's response to Q52: <i>Have you ever had a <b>bone density test</b> to check for osteoporosis, sometimes thought of as "brittle bones"? This test may have been done to your back, hip, wrist, heel or finger.</i> 1 = Yes 2 = No

Field #	Field Description	Field Position	Additional Information and Valid Values
80	Cohort 13 Baseline Survey: Who Completed this Survey Question (Q62)	91	Beneficiary's response to Q62: <i>Who completed this survey form?</i> 1 = Person to whom survey was addressed <i>(Go to Q64)</i> 2 = Family member or relative of person to whom the survey was addressed 3 = Friend of person to whom the survey was addressed 4 = Professional caregiver of person to whom the survey was addressed

## Survey Administration Table

Field #	Field Description	Field Position	Additional Information and Valid Values
81	Survey Disposition	92 – 94	<p><b>SPECIAL NOTE:</b> This field contains a character string.</p> <p><i>Cohort 13 Baseline</i> Survey disposition code:  M10/T10 = completed survey  (≥ 80% complete)  M11/T11 = non-response: partial complete  (≥ 50% but &lt; 80% complete)  M31/T31 = non-response: break-off  (&lt;50% complete)</p> <p>Note: For survey disposition codes,  M=Mail and T=Telephone</p>
82	Survey Round	95 – 96	<p><b>SPECIAL NOTE:</b> This field contains a character string.</p> <p><i>Cohort 13 Baseline</i> survey round code for completed, partially completed, and non-completed surveys by mail or telephone:  M1 = 1<sup>st</sup> mailing  M2 = 2<sup>nd</sup> mailing  T1 = 1<sup>st</sup> telephone  T2 = 2<sup>nd</sup> telephone  T3 = 3<sup>rd</sup> telephone  T4 = 4<sup>th</sup> telephone  T5 = 5<sup>th</sup> telephone  T6 = 6<sup>th</sup> telephone  T7 = 7<sup>th</sup> telephone  T8 = 8<sup>th</sup> telephone  T9 = 9<sup>th</sup> telephone  MM = Partially completed by mail and converted to complete by mail  MT = Partially completed by mail and converted to complete by telephone  NC = Not completed</p>
83	Percent of Survey Completed	97 – 101	Range: 0 to 100% (value is rounded to the tenths decimal place)
84	Cohort Identifier	102 – 104	<p><b>SPECIAL NOTE:</b> This field contains a character string.</p> <p>Cohort in which the HOS surveys contained in this data file were submitted  Value for each record = “C13”</p>

Field #	Field Description	Field Position	Additional Information and Valid Values
85	CMS Region	105 – 106	Derived from the CMS region field in the August 2010 Plan Contract List from HPMS 1 = Region 1 - Boston (CT, ME, MA, NH, RI, and VT) 2 = Region 2 - New York (NY, NJ, PR, and the VI) 3 = Region 3 - Philadelphia (DE, DC, MD, PA, VA, and WV) 4 = Region 4 - Atlanta (AL, FL, GA, KY, MS, NC, SC, and TN) 5 = Region 5 - Chicago (IL, IN, MI, MN, OH, and WI) 6 = Region 6 - Dallas (AR, LA, NM, OK, and TX) 7 = Region 7 - Kansas City (IA, KS, MO, and NE) 8 = Region 8 - Denver (CO, MT, ND, SD, UT, and WY) 9 = Region 9 - San Francisco (AZ, CA, Guam, HI, and NV) 10 = Region 10 - Seattle (AK, ID, OR, and WA)
86	Survey Language	107	<i>Cohort 13 Baseline</i> survey language: 1 = English 2 = Spanish 3 = Not Applicable 4 = Chinese