



**PERFORMANCE
MEASUREMENT**

**ELECTRONIC DATA
USER'S GUIDE**

Cohort I
1998-2000



MEDICARE HEALTH OUTCOMES SURVEY

**CENTERS
FOR MEDICARE
& MEDICAID
SERVICES**

**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 + Choice Organizations (M+COs). The Medicare Health Outcomes Survey (HOS) is the first 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 M+CO, and measures physical and mental health over a two year period.

The HOS measure is an assessment of a health plan's ability to maintain or improve the physical and mental health functioning of people with Medicare over a two year period of time. The functional status of the elderly is known to decline over such a period.¹ The HOS results were computed using a set of case mix/risk adjustment factors, adjusting for expected differences. The differences between the baseline and the two year follow up physical and mental health scores are presented in terms of the percentages of beneficiaries who were better, the same, or worse than expected. The resulting aggregation of these scores across beneficiaries within a plan yields the HOS plan level Performance Measurement results. These results are specific to each individual plan. HOS results will be an important part of CMS' quality improvement activities, as current law authorizes Quality Improvement Organizations (QIOs) to review the quality of care provided to people with Medicare. The goals of HOS are to help beneficiaries make informed health care choices and to promote quality improvement based on competition.

The *Cohort I* Performance Measurement results (released in December 2001) describe a change in health over time, which is characterized in terms of the direction and magnitude for all beneficiaries in a given plan. The results describe the outcomes of a randomly selected set of members from each participating plan between 1998 and 2000. The *Cohort I* Performance Measurement Electronic Data File includes the beneficiary level data used to generate the *Cohort I* Performance Measurement Report.

This *Cohort I* Performance Measurement **Data User's Guide** is designed to assist M+COs and QIOs with the use of the beneficiary level *Cohort I* Performance Measurement Electronic Data. These data are intended to support M+CO and QIO quality improvement activities.

¹ National Committee for Quality Assurance. *HEDIS 3.0/1998, Volume 6: Health of Seniors Survey Manual*. Washington DC: NCQA Publication, 1998.

Introduction

BACKGROUND

The CMS, in collaboration with the National Committee for Quality Assurance (NCQA), launched the first Medicare managed care outcomes measure in the Health Plan Employer Data and Information Set (HEDIS[®]) in 1998.² The measure includes the most recent advances in summarizing physical and mental health outcomes results and appropriate risk adjustment techniques. This measure was initially titled Health of Seniors, and was renamed the Medicare Health Outcomes Survey during the first year of implementation. This name change was intended to reflect the inclusion of Medicare recipients in the sampling methodology who are disabled and under age 65.

The HOS measure was developed under the guidance of a Technical Expert Panel (TEP) comprised of individuals with specific expertise in the health care industry and outcomes measurement. The TEP continues to oversee and develop the science of the HOS measure. The CMS has contracted with NCQA to support the standardized administration of the HOS survey, including selecting, training, and certifying independent survey vendors that the plans contract with to administer the survey.

In 1998, CMS required Medicare Managed Care Organizations (MCOs) with contracts in effect on or before January 1, 1997 to participate in HOS. All plans with contracts in place on or before January 1, 1997 that participated in the *Cohort I Baseline* survey in 1998 were required to participate in the *Cohort I Follow Up* survey.

Data collection for *Cohort I Baseline* occurred in 1998, and data reports were distributed to M+COs and QIOs in 1999. *Cohort I Baseline* beneficiary level electronic data were disseminated to QIOs in 1999. Data collection for *Cohort I Follow Up* occurred in 2000. These data were combined with *Cohort I Baseline* data to create a merged *Cohort I* Performance Measurement Data File. This file was used to generate the *Cohort I* Performance Measurement Reports, which were distributed to the M+COs and QIOs in December 2001.

For further background on the Medicare HOS, please refer to the *Cohort I* Performance Measurement Report. Additionally, the Medicare HOS Information and Technical Support Telephone Line (1-888-880-0077), as well as the HOS e-mail address (azpro.hos@sdps.org), are available to provide technical assistance.

² HEDIS[®] is a registered trademark of the National Committee for Quality Assurance.

MEDICARE HEALTH OUTCOMES SURVEY INSTRUMENT

The HOS instrument consists of the SF-36[®] Health Survey^{3, 4} and additional questions, including those used for case mix and risk adjustment purposes.

SF-36[®] Health Survey

The SF-36[®] is a multi-purpose, short-form health survey with only 36 questions, which yields physical and mental health summary measures. It is a generic measure, as opposed to one that targets a specific age, disease, or treatment group. As documented in more than 2,500 publications, the SF-36[®] has proven useful in both general and specific populations, comparing the relative burden of diseases, differentiating the health benefits produced by a wide range of different treatments, and screening individual patients. The most complete information about the history and development of the SF-36[®], its psychometric evaluation, studies of reliability and validity, and normative data is available in two user's manuals.^{5, 6}

Figure 1 on page 4 illustrates the taxonomy of items and concepts underlying the construction of the SF-36[®] physical and mental health summary measures. The SF-36[®] is scored from 0 to 100 points, with higher scores indicating better functioning on both the individual scales and summary measures (PCS and MCS). The HOS individual scale scores, as well as the PCS and MCS scores, have been normed to the values for the 1998 general US population, so that a score of fifty represents the national average for a given scale or summary score. In addition, the norm based score for the 1998 general US population has a standard deviation (SD) of ten points. It is important to note however, that the 1998 general population **elderly** norms used in this report reflect a PCS mean score of 42.6 and an MCS mean score of 52.0.

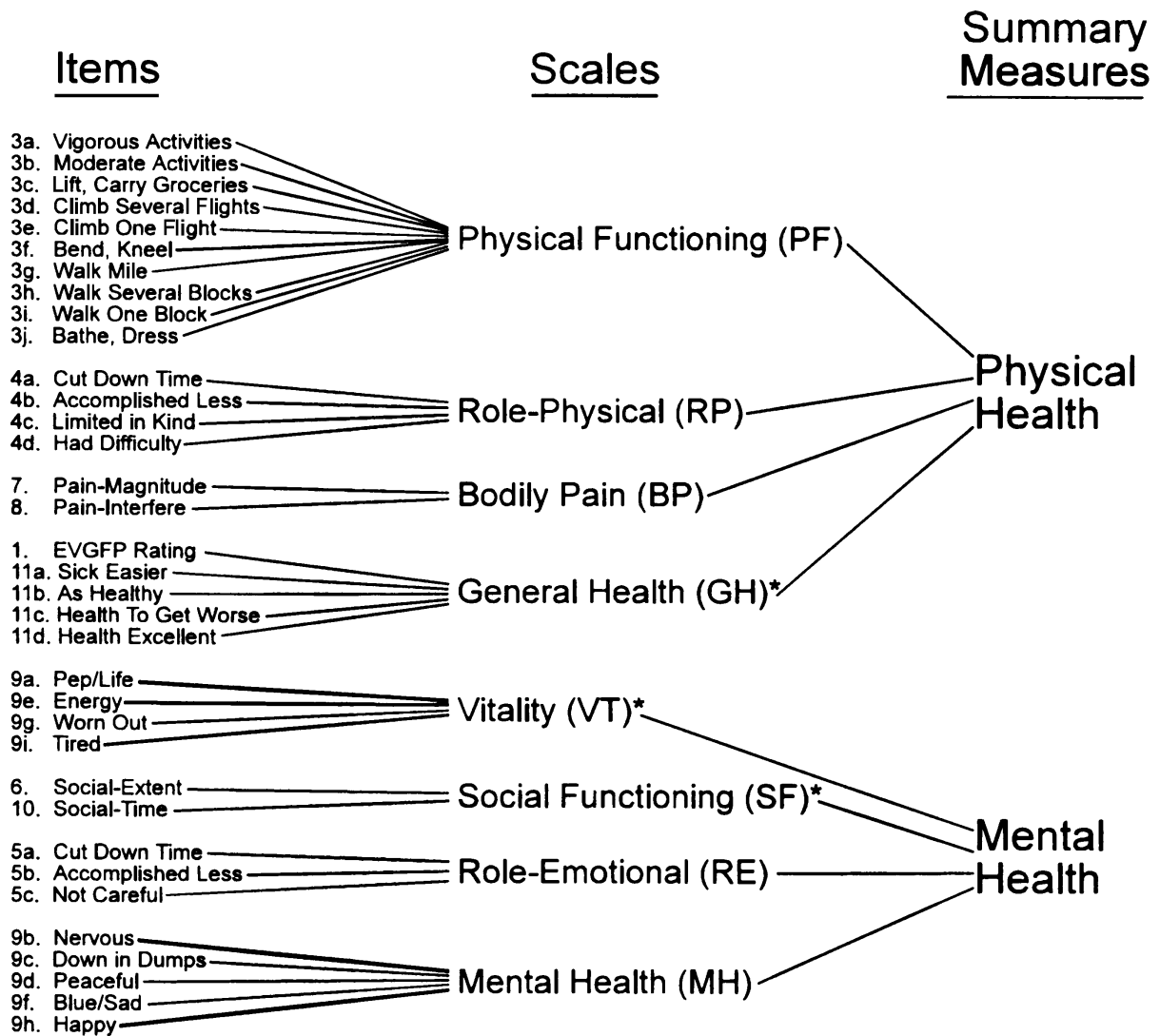
³ SF-36[®] is a registered trademark of the Medical Outcomes Trust.

⁴ Ware JE, Snow KK, Kosinski M, Gandek B. *SF-36[®] Health Status Survey Manual and Interpretation Guide*. Boston: The Health Institute, New England Medical Center, 1993.

⁵ Ware JE, Snow KK, Kosinski M, Gandek B. *SF-36[®] Health Survey Manual and Interpretation Guide*. Boston, MA: The Health Institute, 1993.

⁶ Ware JE, Kosinski M. *SF-36[®] Physical and Mental Health Summary Scales: A Manual for Users of Version 1, Second Edition*. Lincoln, RI: QualityMetric, Incorporated, 2001.

FIGURE 1: SF-36[®] MEASUREMENT MODEL



* Significant correlation with other summary measure.

Source: Ware JE, Kosinski M, Keller SD. SF-36[®] Physical and Mental Health Summary Scales: A User's Manual. Boston, MA: The Health Institute, 1994.

Case Mix Adjustment Questions

The HOS instrument also includes questions on demographics, chronic medical conditions, and activities of daily living (ADLs). Demographics include questions on beneficiary age, gender, race, education, marital status, and income.

Thirteen chronic medical conditions are included in the questionnaire. These conditions are: 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; inflammatory bowel disease, including Crohn's disease and ulcerative colitis; arthritis of the hip or knee; arthritis of the hand or wrist; sciatica; diabetes, hyperglycemia, or glycosuria; and any cancer (other than skin cancer).

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

For further information on the Medicare HOS instrument, please refer to the *Cohort I Performance Measurement Report* and Volume 6 of the 2000 HEDIS[®] Manual.⁷

⁷ National Committee for Quality Assurance. *HEDIS[®] 2000, Volume 6: Specifications for the Medicare Health Outcomes Survey Manual*. Washington DC: NCQA Publication, 2000.

Methodology

SAMPLING METHODOLOGY

The HOS measure was administered to a randomly selected sample of individuals at baseline from each M+CO. The CMS selected the random samples for each baseline cohort. The sampling methodology is dependent upon the plan's population. For M+COs with Medicare populations of more than 1000 members, a simple random sample of 1,000 members was selected for the baseline survey. For M+COs with populations of 1,000 members or less, all eligible members were included in the sample for the baseline survey.

For the *Cohort I Follow Up* sample, CMS identified beneficiaries from the *Cohort I Baseline* sample who were eligible for remeasurement. Members were eligible for remeasurement if a PCS and/or MCS score was able to be calculated. Beneficiaries were excluded from *Cohort I Follow Up* if they disenrolled from their M+CO subsequent to the *Cohort I Baseline* survey, or were deceased subsequent to the *Cohort I Baseline* survey. Although deceased beneficiaries are excluded from the *Cohort I Follow Up* sample, CMS includes deceased beneficiaries when calculating the HOS Performance Measurement results.⁸

DISTRIBUTION OF THE SAMPLE

The 1998 *Cohort I Baseline* Medicare HOS included a random sample of 279,135 beneficiaries, including both the aged and disabled, from 269 managed care plans.⁹ Of the 279,135 individuals sampled, 62% (172,314) completed the baseline survey. Of the 172,314 respondents, 161,631 were seniors (age 65 or older) who returned a completed survey. A completed survey was defined as one that could be used to calculate PCS and/or MCS scores. During the two years between the 1998 *Cohort I Baseline* survey and the 2000 *Cohort I Follow Up* survey, a number of M+COs discontinued offering managed care to Medicare beneficiaries, or consolidated with other health plans. As a result of these changes, 188 reporting units (M+COs) and 122,444 respondents remained in HOS. For purposes of plan comparisons, this group of 122,444 beneficiaries comprises the *Cohort I Performance Measurement analytic sample*.

At the time of follow up, 82,625 beneficiaries were seniors age 65 or older who had completed a baseline survey and were still alive and enrolled in their original M+CO. These beneficiaries are referred to as the *Cohort I Follow Up eligible sample*. A total of 71,094 eligible beneficiaries returned a survey that could be used to estimate PCS and/or MCS scores. These 71,094 beneficiaries comprise the *Cohort I Follow Up respondent sample*.

⁸ National Committee for Quality Assurance. *HEDIS® 2001, Volume 6: Specifications for the Medicare Health Outcomes Survey*. Washington DC: NCQA Publication, 2001.

⁹ National Committee for Quality Assurance. *HEDIS 3.0/1998, Volume 6: Health of Seniors Survey Manual*. Washington DC: NCQA Publication, 1998.

The Performance Measurement results are based on the analytic sample of 122,444 and not the entire population sampled at baseline and follow up. At the national level, 8,047 beneficiaries died between baseline and the two year follow up. Another 31,772 beneficiaries voluntarily disenrolled from their M+COs during the same two year period. Of the 82,625 individuals eligible for follow up, 71,094 beneficiaries responded; and 11,531 did not respond to the follow up survey. It is important to remember that a respondent is defined as an eligible beneficiary who returned a survey that could be used to estimate a PCS and/or MCS score.

For further information on the distribution of the analytic sample at the plan and state level, please refer to the Executive Summary of the *Cohort I* Performance Measurement Report.

SCORING SF-36[®] PHYSICAL AND MENTAL HEALTH SUMMARY MEASURES

Physical and mental health status are estimated, respectively, using the PCS and MCS scoring algorithms recommended by the developers of the SF-36[®] Health Survey, as documented in detail elsewhere.¹⁰ Briefly, these norm-based algorithms yield favorably scored (i.e., higher is better) scales that have a mean of 50 and a standard deviation of 10 in the general US population. For PCS, very high scores indicate no physical limitations; disabilities or decrements in well being; high energy level; and a rating of health as “excellent.” For MCS, very high scores indicate frequent positive affect, absence of psychological distress, and no limitations in usual social and role activities due to emotional problems.

Given that the *Cohort I Baseline* survey was fielded in 1998, the means and standard deviations used in scoring PCS and MCS were based on the 1998 National Survey of Functional Health Status. In order to allow for interpretation of PCS and MCS scores across all of the cohorts of data, the weights (i.e. component scoring coefficients) used to generate the summary scores are the original standardized weights recommended by the developers and used during the first three baseline cohorts of data.¹¹

The HOS is among the first large scale surveys to take advantage of improved algorithms for scoring the PCS and MCS summary measures for respondents with missing data. The improved algorithms were adopted to recapture about 20% of HOS *Cohort I Baseline* respondents who had one or more missing SF-36[®] responses. Most previous studies have used the “half scale” rule for imputing scale scores for those with missing data. This solution, which was developed during the Health Insurance Experiment more than 20 years ago, is widely used in health status research.¹² However, the “half scale” approach has several disadvantages, including: being applicable only to those with at least half of the items answered for each of the eight scales; introducing a bias in score estimates because

¹⁰ Ware JE, Kosinski M. *SF-36[®] Physical and Mental Health Summary Scales: A Manual for Users of Version 1, Second Edition*. Lincoln, RI: QualityMetric, 2001.

¹¹ Ware JE, Kosinski M. *SF-36[®] Physical and Mental Health Summary Scales: A User’s Manual*. Lincoln, RI: QualityMetric, 2001.

¹² Ware JE, Brook RH, Davies-Avery A, Williams K, Stewart AL, Rogers WH, *et al.* *Model of Health and Methodology*. Santa Monica, CA: RAND Corporation, 1980; R-1987/1-HEW. (*Conceptualization and Measurement of Health for Adults in the Health Insurance Study; vol. 1*).

answered items are simply averaged in estimating missing items; and failing to provide an estimation strategy for PCS and MCS for those with a missing scale score.

The improved scoring algorithms use the missing data estimation (MDE) utility. The MDE scoring utility, which was validated using item response theory, calculates an unbiased score as long as at least one item is answered within each scale. Further, the MDE software uses regression methods to score PCS and MCS for those with one scale missing. As documented elsewhere, the MDE scoring algorithms have been evaluated in the 1998 general US population and in the HOS.¹³ In the HOS *Cohort I Performance Measurement analytic sample*, PCS and MCS scores for more than 5,000 (4.5%) study participants were calculated using the MDE software. These scores would have previously been lost at baseline due to missing data.

SF-36[®] data can be scored online using MDE software. For further information on MDE, please refer to QualityMetric Incorporated's website, <http://www.qmetric.com>.

CASE MIX ADJUSTMENT

There were six main categories of actual outcomes used in the analysis of the *Cohort I* Performance Measurement data: (1) alive and PCS better; (2) alive and PCS same; (3) dead or PCS worse; (4) MCS better; (5) MCS same; and (6) MCS worse. Each beneficiary is classified into one of the three Physical Health categories and one of the three Mental Health categories.

In calculating expected outcomes, separate case mix models were warranted for death (which required extensive case mix control), and for PCS and MCS (which did not require much case mix control). The development and testing of these models was the subject of extensive analysis, which will be described in more detail in other HOS publications. A series of eight different death models, three different PCS models, and three different MCS models were used, since all beneficiaries did not have data for all of the independent variables that could be used to calculate an expected score. In other words, each expected outcome for a beneficiary was derived from the best fit model, which was based on those variables for which the beneficiary had data. For example, if a beneficiary had all of the required independent variables for Model A (the model containing the highest number of independent variables), then their expected score was calculated using that model. If not, then Model B (the model containing the second highest number of independent variables) was used if all of the required independent variables for this model were available, and so on. One model was used for each beneficiary, and there were no predictions made with missing data. Details about the variables included in each model are provided in Table 1 on page 9.

For further information on the Medicare HOS methodology, please refer to the *Cohort I* Performance Measurement Report.

¹³ Kosinski MK, Bayliss M, Bjorner JB, Ware JE. *Improving Estimates of SF-36[®] Health Survey Scores for Respondents in Missing Data*. Medical Outcomes Trust Monitor, Fall 2000; 5 (1): 8-10.

**TABLE 1: COVARIATES USED IN ESTIMATION OF EXPECTED MORTALITY
AND CHANGE IN PCS/MCS SCORES**

DEATH MODEL COVARIATES

DEMOGRAPHIC AND SOCIOECONOMIC VARIABLES

Age (linear), Age 75+, Age 85+ (Models A-H)

Gender (Models A-H)

Age and Gender interaction (Models A-H)

Race/Ethnicity (Black/African-American, Hispanic, Asian/Pacific Islander) – HOS (A-D), CMS (E-H)

On Medicaid or not on Medicaid (Models A-H)

Home owner or non-home owner (Models A-D)

High school graduate or not high school graduate (Models A-D)

Married or not married (single, divorced, widowed, separated) (Models A-D)

Income less than \$20,000 or reported income of \$20,000 or greater (Models A, C)

CHRONIC CONDITIONS

Presence or absence of each of 13 chronic conditions: hypertension, myocardial infarction, angina/coronary disease, congestive heart failure, other heart conditions, stroke, pulmonary disease, gastrointestinal disorders, arthritis of hip or knee, arthritis of hand or wrist, sciatica, diabetes, cancer other than skin cancer (Models A, B)

Treatment or non-treatment for 4 cancer types: colon/rectal, lung, breast, prostate (Models A, B)

Mean number of conditions in 4 groups with varying relations to death (Models C-F):

 Strong relationship (congestive heart failure, any cancer, colon/rectal cancer, lung cancer)

 Moderate relationship (pulmonary, diabetes, stroke, myocardial infarction)

 Weak relationship (breast cancer, hypertension, angina/coronary artery disease, other heart)

 Negative relationship (gastrointestinal, arthritis (both types), sciatica, prostate cancer)

BASELINE FUNCTIONAL STATUS

SF-36® Physical Functioning/Activities of Daily Living Index (Models A-E)

SF-36® General Health scale (Models A-E)

SF-36® Social Functioning scale (Models A-E)

One-item measure of General Health compared to others (Models A-E)

Baseline PCS and MCS (Models F-G)

SURVEY ADMINISTRATION

Telephone or mail survey (Models A-G)

PCS/MCS MODEL COVARIATES

Age (linear), Age 75+, Age 85+ (PCS/MCS Models A-C)

Gender (PCS/MCS Models A-C)

Age and Gender interaction (PCS/MCS Models A-C)

Race/Ethnicity (Black/African-American, Hispanic, Asian/Pacific Islander) – HOS (PCS/MCS A-B),
CMS (MCS C)

On Medicaid or not on Medicaid (PCS/MCS Models A-C)

Home owner or non-home owner (PCS/MCS Models A-B)

High school graduate or not high school graduate (PCS/MCS Models A-B)

Married or not married (single, divorced, widowed, separated) (PCS/MCS Models A-B)

Income less than \$20,000 or reported income of \$20,000 or greater (PCS/MCS Model A)

Performance Measurement Electronic Data File Characteristics

Each QIO and M+CO level *Cohort I* Performance Measurement Electronic Data File was derived from the *Cohort I Performance Measurement analytic sample* of 122,444. As discussed in the methodology, the *Cohort I* Performance Measurement results are based on the analytic sample of 122,444 and not the entire population sampled at baseline and follow up.

There are a total of 265 variables in the *Cohort I* Performance Measurement Electronic Data File. A detailed list of these variables including valid values is included in Appendix B. In addition to the comprehensive *Cohort I* Performance Measurement Electronic Data File, two supplemental electronic data files are provided which can be scored directly utilizing the MDE software. For a detailed description of these files, please refer to Appendix C.

The following is an overview of the variables included in the *Cohort I* Performance Measurement Electronic Data File.

PLAN LEVEL VARIABLES (VARIABLES 1-10)

Data from this section are taken from the header record of the baseline and follow up data files, as well as information obtained from the CMS **June 2001** Monthly Report of Managed Care Health Plans (<http://www.hcfa.gov/stats/monthly.htm>). These variables include *Plan Reporting Unit* (#1), which is the unit of analysis for the *Cohort I* Performance Measurement Report. Another important variable in this group is *Plan State* (#7), which is the two letter state abbreviation as listed in the CMS June 2001 Monthly Report of Managed Care Health Plans. This was the state level unit of analysis for the *Cohort I* Performance Measurement Report.

BENEFICIARY LEVEL VARIABLES (VARIABLES 11-43)

This section contains confidential beneficiary level data. Data from this section are taken primarily from the member level record of the baseline and follow up data files. The *Health Insurance Claim (HIC) Number* (#11), which is a unique identifier used to identify each beneficiary, is included in this section. This variable is the beneficiary level unit of analysis for the *Cohort I* Performance Measurement Report. Beneficiary addresses (mailing address, county, state, and zip code) from both baseline and follow up are included in this section. Beneficiary race, gender, and reason for entitlement from both baseline and follow up are also included in this section. There are two date of birth variables in this section. The first, which is the *Beneficiary's Baseline Date of Birth* (#29) is the date of birth from the baseline member level record and is derived from CMS' EDB. Due to some discrepancies identified in the *Cohort I Baseline* data, it was necessary to correct the date of birth variable. Thus, the *Beneficiary's Corrected Date of Birth* (#30) was included in this data set. This variable incorporates survey level information for selected beneficiaries. A Unique Beneficiary

ID is also included in this section. This variable is a unique number assigned to each beneficiary in the analytic sample (1 to 122,444 for the *Cohort I Performance Measurement analytic sample*).

SURVEY LEVEL VARIABLES (VARIABLES 44-243)

This section contains survey information from the 57 questions comprising the HOS instrument for both baseline and follow up. The information presented in this section represents each beneficiary's actual answers to the specific questions. These data include beneficiary responses to questions pertaining to the SF-36[®], health status indicators, chronic medical conditions, depression, ADLs, proxy status, and demographics. This section also includes the valid values correlating to each question. The SF-36[®] (questions one and three through eleven in the HOS instrument) is used to obtain physical and mental health summary measures. The beneficiary level data from both baseline and follow up can potentially be used by QIOs and M+COs to perform quality improvement initiatives.

SF-36[®] SUMMARY MEASURES (VARIABLES 244-253)

The variables that are presented in this section include the unadjusted PCS and MCS scores at baseline and follow up (#244-247). These scores were generated by the MDE software. Given that studies have shown that health status scores tend to be more favorable with telephone administered surveys, this section also includes the PCS and MCS scores that are adjusted for telephone responses. Beneficiary level change scores (follow up summary score minus baseline summary score) are also presented in this section (#252-253).

Although the comprehensive *Cohort I Performance Measurement Electronic Data File* contains PCS and MCS scores that were generated using MDE software, two supplemental data files are provided for MDE scoring purposes. These files contain a unique beneficiary identifier and the SF-36[®] items from the *Cohort I Baseline* and *Cohort I Follow Up* surveys. The unique beneficiary identifier used in the supplemental files corresponds to variable #43 in the comprehensive *Cohort I Performance Measurement Electronic Data File*. For additional information on the supplemental data files, please refer to Appendix C.

CASE MIX VARIABLES (VARIABLES 254-265)

The variables presented in this section come from the case mix adjustment utilized in the *Cohort I Performance Measurement Report*. These variables include actual and expected outcomes for both physical and mental health. The goal of the *Cohort I Performance Measurement* analysis was to compare physical and mental health outcomes in M+COs, in terms of the percentages of beneficiaries who were better, same, or worse than expected at the two year follow up. The primary outcomes are death, change in physical health as measured by PCS, and change in mental health as measured by MCS. Death and PCS outcomes were combined into one overall measure of change in physical health. Multivariate statistical methods were used for case mix adjustment, so all plans

would be as equal as possible in terms of demographic and socioeconomic characteristics, chronic conditions, initial health status, and other design variables.

The *Cohort I* Performance Measurement Electronic Data File contains beneficiary level actual and expected health outcomes. The actual variables are binary (0/1) and based on the beneficiary level change scores for PCS and MCS. All expected variables are derived from a series of case mix models. An actual death variable is also included. This variable indicates which beneficiaries were considered “dead” in the analysis (#264).

For further details on the case mix adjustment variables and the data analysis, please refer to Appendix B and the *Cohort I* Performance Measurement Report. Additionally, the Medicare HOS Information and Technical Support Telephone Line (1-888-880-0077), as well as the HOS e-mail address (azpro.hos@sdps.org), are available to provide technical assistance.

Appendix A

Quality Assurance of the Data

DATA RECEIPT

Cohort I Baseline and *Cohort I Follow Up* data were transmitted to Health Services Advisory Group (HSAG) from NCQA. The data were transmitted on CD-ROMs containing individual ASCII flat files for each participating M+CO. The ASCII files contained plan, beneficiary, and survey information as specified in Volume 6 of HEDIS[®].^{14, 15}

DATA CLEANING AND EDITING

Data consistency checks are performed by reviewing the entire HOS data set for out of range values. To verify the presence of unique beneficiaries in the HOS data file, the file is examined for duplicate Health Insurance Claim (HIC) numbers. All dates contained within the data file are verified to correspond to the appropriate range. Frequency distributions of all categorical variables as well as cross tabulations by vendor are performed to identify both out of range values and data shifts in value assignment. The cross tabulations are performed using the entire HOS data file and also specified subsets of the data file.

After the HOS data file is cleaned and edited, a final data set is produced. This final data set serves as the source data set for the performance measurement analysis.

For further information on the quality assurance of the data, please refer to the *Cohort I Performance Measurement Report*. Additionally, the Medicare HOS Information and Technical Support Telephone Line (1-888-880-0077), as well as the HOS e-mail address (azpro.hos@sdps.org), are available to provide technical assistance.

¹⁴ National Committee for Quality Assurance. *HEDIS 3.0/1998, Volume 6: Health of Seniors Survey Manual*. Washington DC: NCQA Publication, 1998.

¹⁵ National Committee for Quality Assurance. *HEDIS[®] 2000, Volume 6: Specifications for the Medicare Health Outcomes Survey*. Washington DC: NCQA Publication, 2000.

Appendix B

Performance Measurement Electronic Data File Specifications

The following table describes the file layout by position for the comprehensive *Cohort I* Performance Measurement Electronic Data File. This file is formatted as a fixed width (column delimited) ASCII flat file. **Please note, the survey question numbering scheme changed between *Cohort I Baseline* and *Cohort I Follow Up*. The survey question numbers reflect those in the indicated survey. Additionally, question 45 from the baseline survey was omitted from HOS after *Cohort I Baseline* and is not included in this data file.** Information on the supplemental data files is included in Appendix C.

VAR #	FIELD DESCRIPTION	FIELD POSITION	ADDITIONAL INFORMATION AND VALID VALUES
1	Plan Reporting Unit	1-6	Unique identifier used to identify each M+CO. This was the plan level unit of analysis for the Performance Measurement Report.
2	Plan Contract Number at Baseline	7-11	Unique contract number at the time of baseline sampling (1998).
3	Plan Contract Number at Follow Up	12-16	Unique contract number at the time of follow up sampling (2000).
4	Plan Market Area at Baseline	17-18	Two digit CMS market area code at the time of baseline sampling (1998).
5	Plan Market Area at Follow Up	19-20	Two digit CMS market area code at the time of follow up sampling (2000).
6	Plan Name	21-70	Plan Name as listed in the CMS June 2001 Monthly Report of Managed Care Health Plans.
7	Plan State	71-73	Two letter state abbreviation as listed in the CMS June 2001 Monthly Report of Managed Care Health Plans. This was the state level unit of analysis for the Performance Measurement Report.
8	Plan Model	74-78	Plan model as listed in the CMS June 2001 Monthly Report of Managed Care Health Plans.
9	Plan Type	79-81	Plan type as listed in the CMS June 2001 Monthly Report of Managed Care Health Plans.
10	Plan Tax Status	82-85	Plan tax status as listed in the CMS June 2001 Monthly Report of Managed Care Health Plans.

VAR #	FIELD DESCRIPTION	FIELD POSITION	ADDITIONAL INFORMATION AND VALID VALUES
11	Health Insurance Claim (HIC) Number	86-97	Unique identifier used to identify each beneficiary. This was the beneficiary level unit of analysis for the Performance Measurement Report.
12	Beneficiary's Last Name	98-109	Beneficiary's last name from the baseline member level record.
13	Beneficiary's Middle Initial	110	Beneficiary's middle initial from the baseline member level record.
14	Beneficiary's First Name	111-125	Beneficiary's first name from the baseline member level record.
15	Beneficiary's Baseline Mailing Address	126-257	Beneficiary's mailing address from the baseline member level record.
16	Beneficiary's Baseline Social Security Administration (SSA) State Code	258-259	Beneficiary's SSA state code from the baseline member level record.
17	Beneficiary's Baseline SSA County Code	260-262	Beneficiary's SSA county code from the baseline member level record.
18	Beneficiary's Baseline SSA State Two Letter Abbreviation	263-264	Beneficiary's two letter state abbreviation based on the baseline SSA state code.
19	Beneficiary's Baseline SSA County Name	265-289	Beneficiary's county name based on the baseline SSA county code.
20	Beneficiary's Baseline ZIP Code	290-298	Beneficiary's ZIP code from the baseline member level record.
21	Beneficiary's Follow Up Mailing Address [Ⓢ]	299-430	Beneficiary's mailing address from the follow up member level record.
22	Beneficiary's Follow Up SSA State Code [Ⓢ]	431-432	Beneficiary's SSA state code from the follow up member level record.
23	Beneficiary's Follow Up SSA County Code [Ⓢ]	433-435	Beneficiary's SSA county code from the follow up member level record.
24	Beneficiary's Follow Up SSA State Two Letter Abbreviation [Ⓢ]	436-437	Beneficiary's two letter state abbreviation based on the follow up SSA state code.
25	Beneficiary's Follow Up SSA County Name [Ⓢ]	438-462	Beneficiary's county name based on the follow up SSA county code.
26	Beneficiary's Follow Up ZIP Code [Ⓢ]	463-471	Beneficiary's ZIP code from the follow up member level record.

[Ⓢ] Provided for only those beneficiaries who were part of the *Cohort I Follow Up eligible sample*.

VAR #	FIELD DESCRIPTION	FIELD POSITION	ADDITIONAL INFORMATION AND VALID VALUES
27	Beneficiary's Baseline Race (CMS)	472	Beneficiary's race from the baseline member level record. This information is derived from CMS' Enrollment Database (EDB). 0 = Unknown 1 = White 2 = Black 3 = Other 4 = Asian 5 = Hispanic 6 = North American Native
28	Beneficiary's Baseline Gender (CMS)	473	Beneficiary's gender from the baseline member level record. This information is derived from CMS' EDB. 1 = Male 2 = Female
29	Beneficiary's Baseline Date of Birth (CMS)	474-483	Beneficiary's date of birth (DOB) from the baseline member level record. This information is derived from CMS' EDB. MM/DD/YYYY format
30	Beneficiary's Corrected Date of Birth	484-493	Beneficiary's corrected date of birth based on survey level information obtained from the beneficiary. MM/DD/YYYY format
31	Beneficiary's Baseline ESRD Status	494	Beneficiary's End Stage Renal Disease (ESRD) status at baseline. 0 = No ESRD 1 = ESRD
32	Beneficiary's Baseline Institutional Status	495	Beneficiary's Institutional status at baseline. 0 = Out of institution 1 = Institutionalized 2 = Eligible for nursing home care
33	Beneficiary's Baseline Hospice Status	496	Beneficiary's Hospice status at baseline. 0 = No hospice start date present 1 = Hospice start date present
34	Beneficiary's Baseline Medicaid Status	497	Beneficiary's Medicaid status at baseline. 0 = Out of Medicaid 1 = In Medicaid
35	Beneficiary's Baseline Reason for Entitlement	498-499	Beneficiary's reason for entitlement at baseline. 10 = Aged without ESRD 11 = Aged with ESRD 20 = Disabled without ESRD 21 = Disabled with ESRD 31 = ESRD only

VAR #	FIELD DESCRIPTION	FIELD POSITION	ADDITIONAL INFORMATION AND VALID VALUES
36	Beneficiary's Follow Up Race (CMS) [⊗]	500	Beneficiary's race from the follow up member level record. This information is derived from CMS' EDB. 0 = Unknown 1 = White 2 = Black 3 = Other 4 = Asian 5 = Hispanic 6 = North American Native
37	Beneficiary's Follow Up Gender (CMS) [⊗]	501	Beneficiary's gender from the follow up member level record. This information is derived from CMS' EDB. 1 = Male 2 = Female
38	Beneficiary's Follow Up ESRD Status [⊗]	502	Beneficiary's End Stage Renal Disease (ESRD) status at follow up. 0 = No ESRD 1 = ESRD
39	Beneficiary's Follow Up Institutional Status [⊗]	503	Beneficiary's Institutional status at follow up. 0 = Out of institution 1 = Institutionalized 2 = Eligible for nursing home care
40	Beneficiary's Follow Up Hospice Status [⊗]	504	Beneficiary's Hospice status at follow up. 0 = No hospice start date present 1 = Hospice start date present
41	Beneficiary's Follow Up Medicaid Status [⊗]	505	Beneficiary's Medicaid status at follow up. 0 = Out of Medicaid 1 = In Medicaid
42	Beneficiary's Follow Up Reason for Entitlement [⊗]	506-507	Beneficiary's reason for entitlement at follow up. 10 = Aged without ESRD 11 = Aged with ESRD 20 = Disabled without ESRD 21 = Disabled with ESRD 31 = ESRD only
43	Unique Beneficiary ID	508-513	Unique number assigned to each beneficiary in the analytic sample (1 to 122,444 for the <i>Cohort I Performance Measurement analytic sample</i>).

[⊗] Provided for only those beneficiaries who were part of the *Cohort I Follow Up eligible sample*.

VAR #	FIELD DESCRIPTION	FIELD POSITION	ADDITIONAL INFORMATION AND VALID VALUES
44	Baseline Survey: General Health Question (Q1)	514	Beneficiary's response to Q1 from the <i>Cohort I Baseline</i> survey: <i>In general, would you say your health is:</i> 1 = Excellent 2 = Very Good 3 = Good 4 = Fair 5 = Poor
45	Baseline Survey: Health Transition Question (Q2)	515	Beneficiary's response to Q2 from the <i>Cohort I Baseline</i> survey: <i>Compared to one year ago, how would you rate your health in general now:</i> 1 = Much better now than one year ago 2 = Somewhat better now than one year ago 3 = About the same as one year ago 4 = Somewhat worse now than one year ago 5 = Much worse now than one year ago
46	Baseline Survey: Vigorous Activities Question (Q3a)	516	Beneficiary's response to Q3a from the <i>Cohort I Baseline</i> survey: <i>Does your health limit you in these activities? If so, how much:</i> <u>Vigorous activities</u> 1 = Yes, limited a lot 2 = Yes, limited a little 3 = No, not limited at all
47	Baseline Survey: Moderate Activities Question (Q3b)	517	Beneficiary's response to Q3b from the <i>Cohort I Baseline</i> survey: <i>Does your health limit you in these activities? If so, how much:</i> <u>Moderate activities</u> 1 = Yes, limited a lot 2 = Yes, limited a little 3 = No, not limited at all
48	Baseline Survey: Lifting Groceries Question (Q3c)	518	Beneficiary's response to Q3c from the <i>Cohort I Baseline</i> survey: <i>Does your health limit you in these activities? If so, how much:</i> <u>Lifting or Carrying Groceries</u> 1 = Yes, limited a lot 2 = Yes, limited a little 3 = No, not limited at all
49	Baseline Survey: Climbing Several Flights of Stairs Question (Q3d)	519	Beneficiary's response to Q3d from the <i>Cohort I Baseline</i> survey: <i>Does your health limit you 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

VAR #	FIELD DESCRIPTION	FIELD POSITION	ADDITIONAL INFORMATION AND VALID VALUES
50	Baseline Survey: Climbing One Flight of Stairs Question (Q3e)	520	Beneficiary's response to Q3e from the <i>Cohort I Baseline</i> survey: <i>Does your health limit you in these activities? If so, how much:</i> <u>Climbing one flight of stairs</u> 1 = Yes, limited a lot 2 = Yes, limited a little 3 = No, not limited at all
51	Baseline Survey: Bending, Kneeling, and Stooping Question (Q3f)	521	Beneficiary's response to Q3f from the <i>Cohort I Baseline</i> survey: <i>Does your health limit you in these activities? If so, how much:</i> <u>Bending, kneeling, or stooping</u> 1 = Yes, limited a lot 2 = Yes, limited a little 3 = No, not limited at all
52	Baseline Survey: Walking More than a Mile Question (Q3g)	522	Beneficiary's response to Q3g from the <i>Cohort I Baseline</i> survey: <i>Does your health limit you in these activities? If so, how much:</i> <u>Walking more than a mile</u> 1 = Yes, limited a lot 2 = Yes, limited a little 3 = No, not limited at all
53	Baseline Survey: Walking Several Blocks Question (Q3h)	523	Beneficiary's response to Q3h from the <i>Cohort I Baseline</i> survey: <i>Does your health limit you in these activities? If so, how much:</i> <u>Walking several blocks</u> 1 = Yes, limited a lot 2 = Yes, limited a little 3 = No, not limited at all
54	Baseline Survey: Walking One Block Question (Q3i)	524	Beneficiary's response to Q3i from the <i>Cohort I Baseline</i> survey: <i>Does your health limit you in these activities? If so, how much:</i> <u>Walking one block</u> 1 = Yes, limited a lot 2 = Yes, limited a little 3 = No, not limited at all
55	Baseline Survey: Bathing and Dressing Question (Q3j)	525	Beneficiary's response to Q3j from the <i>Cohort I Baseline</i> survey: <i>Does your health limit you in these activities? If so, how much:</i> <u>Bathing or dressing yourself</u> 1 = Yes, limited a lot 2 = Yes, limited a little 3 = No, not limited at all

VAR #	FIELD DESCRIPTION	FIELD POSITION	ADDITIONAL INFORMATION AND VALID VALUES
56	Baseline Survey: Physical Health Limiting Time Spent on Activities Question (Q4a)	526	Beneficiary's response to Q4a from the <i>Cohort I Baseline</i> survey: <i>During the past 4 weeks, have you had problems with your work or other regular daily activities as a result of your physical health?</i> Cut down on the amount of time you <u>spent on work or other activities</u> 1 = Yes 2 = No
57	Baseline Survey: Physical Health Limiting Amount Accomplished Question (Q4b)	527	Beneficiary's response to Q4b from the <i>Cohort I Baseline</i> survey: <i>During the past 4 weeks, have you had 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 = Yes 2 = No
58	Baseline Survey: Physical Health Limiting the Kind of Activities Question (Q4c)	528	Beneficiary's response to Q4c from the <i>Cohort I Baseline</i> survey: <i>During the past 4 weeks, have you had problems with your work or other regular daily activities as a result of your physical health?</i> Were limited in the kind <u>of work or other activities</u> 1 = Yes 2 = No
59	Baseline Survey: Physical Health Causing Difficulty Performing Activities Question (Q4d)	529	Beneficiary's response to Q4d from the <i>Cohort I Baseline</i> survey: <i>During the past 4 weeks, have you had problems with your work or other regular daily activities as a result of your physical health?</i> Had difficulty performing the <u>work or other activities</u> 1 = Yes 2 = No
60	Baseline Survey: Emotional Problems Limiting Time Spent on Activities Question (Q5a)	530	Beneficiary's response to Q5a from the <i>Cohort I Baseline</i> survey: <i>During the past 4 weeks, have you had problems with your work or other regular daily activities as a result of any emotional problems?</i> Cut down on the amount of time you <u>spent on work or other activities</u> 1 = Yes 2 = No

VAR #	FIELD DESCRIPTION	FIELD POSITION	ADDITIONAL INFORMATION AND VALID VALUES
61	Baseline Survey: Emotional Problems Limiting Amount Accomplished Question (Q5b)	531	Beneficiary's response to Q5b from the <i>Cohort I Baseline</i> survey: <i>During the past 4 weeks, have you had problems with your work or other regular daily activities as a result of any emotional problems?</i> <u>Accomplished less than you would like</u> 1 = Yes 2 = No
62	Baseline Survey: Emotional Problems Limiting Carefulness Question (Q5c)	532	Beneficiary's response to Q5c from the <i>Cohort I Baseline</i> survey: <i>During the past 4 weeks, have you had problems with your work or other regular daily activities as a result of any emotional problems?</i> Didn't do work or other <u>activities as careful as usual</u> 1 = Yes 2 = No
63	Baseline Survey: Extent Health Interfering with Social Activities Question (Q6)	533	Beneficiary's response to Q6 from the <i>Cohort I Baseline</i> survey: <i>During the past 4 weeks, to what extent has your physical health or emotional problems interfered with your normal social activities...?</i> 1 = Not at All 2 = Slightly 3 = Moderately 4 = Quite a bit 5 = Extremely
64	Baseline Survey: Bodily Pain Question (Q7)	534	Beneficiary's response to Q7 from the <i>Cohort I Baseline</i> survey: <i>How much bodily pain have you had during the past 4 weeks?</i> 1 = None 2 = Very mild 3 = Mild 4 = Moderate 5 = Severe 6 = Very severe
65	Baseline Survey: Pain Interfering with Work Question (Q8)	535	Beneficiary's response to Q8 from the <i>Cohort I Baseline</i> survey: <i>During the past 4 weeks, how much did pain interfere with your normal work?</i> 1 = Not at All 2 = A little bit 3 = Moderately 4 = Quite a bit 5 = Extremely

VAR #	FIELD DESCRIPTION	FIELD POSITION	ADDITIONAL INFORMATION AND VALID VALUES
66	Baseline Survey: Full of Pep Question (Q9a)	536	Beneficiary's response to Q9a from the <i>Cohort I Baseline</i> survey: <i>How much of the time during the past 4 weeks...</i> <u>Did you feel full of pep?</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
67	Baseline Survey: Nervous Question (Q9b)	537	Beneficiary's response to Q9b from the <i>Cohort I Baseline</i> survey: <i>How much of the time during the past 4 weeks...</i> <u>Have you been a very nervous person?</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
68	Baseline Survey: Down in the Dumps Question (Q9c)	538	Beneficiary's response to Q9c from the <i>Cohort I Baseline</i> survey: <i>How much of the time during the past 4 weeks...</i> <u>Have you felt so down in the dumps that nothing could cheer you up?</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
69	Baseline Survey: Calm and Peaceful Question (Q9d)	539	Beneficiary's response to Q9d from the <i>Cohort I Baseline</i> survey: <i>How much of the time during the past 4 weeks...</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

VAR #	FIELD DESCRIPTION	FIELD POSITION	ADDITIONAL INFORMATION AND VALID VALUES
70	Baseline Survey: Lots of Energy Question (Q9e)	540	Beneficiary's response to Q9e from the <i>Cohort I Baseline</i> survey: <i>How much of the time during the past 4 weeks...</i> <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
71	Baseline Survey: Downhearted and Blue Question (Q9f)	541	Beneficiary's response to Q9f from the <i>Cohort I Baseline</i> survey: <i>How much of the time during the past 4 weeks...</i> <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
72	Baseline Survey: Feeling Worn Out Question (Q9g)	542	Beneficiary's response to Q9g from the <i>Cohort I Baseline</i> survey: <i>How much of the time during the past 4 weeks...</i> <u>Did you feel worn out?</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
73	Baseline Survey: Happy Question (Q9h)	543	Beneficiary's response to Q9h from the <i>Cohort I Baseline</i> survey: <i>How much of the time during the past 4 weeks...</i> <u>Have you been a happy person?</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

VAR #	FIELD DESCRIPTION	FIELD POSITION	ADDITIONAL INFORMATION AND VALID VALUES
74	Baseline Survey: Feeling Tired Question (Q9i)	544	Beneficiary's response to Q9i from the <i>Cohort I Baseline</i> survey: <i>How much of the time during the past 4 weeks...</i> <u>Did you feel tired?</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
75	Baseline Survey: Amount of Time Health Interfering with Social Activities Question (Q10)	545	Beneficiary's response to Q10 from the <i>Cohort I Baseline</i> survey: <i>During the past 4 weeks, how much of the time has your physical health or emotional problems interfered with your social activities?</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
76	Baseline Survey: Sick Easier Question (Q11a)	546	Beneficiary's response to Q11a from the <i>Cohort I Baseline</i> survey: <i>How true or false is each of the following statements for you?</i> I seem to get sick a little <u>easier than other people</u> 1 = Definitely true 2 = Mostly true 3 = Don't know 4 = Mostly false 5 = Definitely false
77	Baseline Survey: As Healthy Question (Q11b)	547	Beneficiary's response to Q11b from the <i>Cohort I Baseline</i> survey: <i>How true or false is each of the following statements for you?</i> <u>I am as healthy as anybody I know</u> 1 = Definitely true 2 = Mostly true 3 = Don't know 4 = Mostly false 5 = Definitely false

VAR #	FIELD DESCRIPTION	FIELD POSITION	ADDITIONAL INFORMATION AND VALID VALUES
78	Baseline Survey: Future Health Question (Q11c)	548	Beneficiary's response to Q11c from the <i>Cohort I Baseline</i> survey: <i>How true or false is each of the following statements for you?</i> <u>I expect my health to get worse</u> 1 = Definitely true 2 = Mostly true 3 = Don't know 4 = Mostly false 5 = Definitely false
79	Baseline Survey: Excellent Health Question (Q11d)	549	Beneficiary's response to Q11d from the <i>Cohort I Baseline</i> survey: <i>How true or false is each of the following statements for you?</i> <u>My health is excellent</u> 1 = Definitely true 2 = Mostly true 3 = Don't know 4 = Mostly false 5 = Definitely false
80	Baseline Survey: Bathing Question (Q12a)	550	Beneficiary's response to Q12a from the <i>Cohort I Baseline</i> survey: <i>Because of a health or physical problem, do you have any difficulty doing the following activities?</i> <u>Bathing</u> 1 = I am unable to do this activity 2 = Yes, I have difficulty 3 = No, I do not have difficulty
81	Baseline Survey: Dressing Question (Q12b)	551	Beneficiary's response to Q12b from the <i>Cohort I Baseline</i> survey: <i>Because of a health or physical problem, do you have any difficulty doing the following activities?</i> <u>Dressing</u> 1 = I am unable to do this activity 2 = Yes, I have difficulty 3 = No, I do not have difficulty
82	Baseline Survey: Eating Question (Q12c)	552	Beneficiary's response to Q12c from the <i>Cohort I Baseline</i> survey: <i>Because of a health or physical problem, do you have any difficulty doing the following activities?</i> <u>Eating</u> 1 = I am unable to do this activity 2 = Yes, I have difficulty 3 = No, I do not have difficulty

VAR #	FIELD DESCRIPTION	FIELD POSITION	ADDITIONAL INFORMATION AND VALID VALUES
83	Baseline Survey: Getting In/Out of Chairs Question (Q12d)	553	Beneficiary's response to Q12d from the <i>Cohort I Baseline</i> survey: <i>Because of a health or physical problem, do you have any difficulty doing the following activities?</i> <u>Getting in or out of chairs</u> 1 = I am unable to do this activity 2 = Yes, I have difficulty 3 = No, I do not have difficulty
84	Baseline Survey: Walking Question (Q12e)	554	Beneficiary's response to Q12e from the <i>Cohort I Baseline</i> survey: <i>Because of a health or physical problem, do you have any difficulty doing the following activities?</i> <u>Walking</u> 1 = I am unable to do this activity 2 = Yes, I have difficulty 3 = No, I do not have difficulty
85	Baseline Survey: Using the Toilet Question (Q12f)	555	Beneficiary's response to Q12f from the <i>Cohort I Baseline</i> survey: <i>Because of a health or physical problem, do you have any difficulty doing the following activities?</i> <u>Using the toilet</u> 1 = I am unable to do this activity 2 = Yes, I have difficulty 3 = No, I do not have difficulty
86	Baseline Survey: Chest Pain/Pressure on Exertion Question (Q13a)	556	Beneficiary's response to Q13a from the <i>Cohort I Baseline</i> survey: <i>During the past 4 weeks, 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
87	Baseline Survey: Chest Pain/Pressure at Rest Question (Q13b)	557	Beneficiary's response to Q13b from the <i>Cohort I Baseline</i> survey: <i>During the past 4 weeks, 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

VAR #	FIELD DESCRIPTION	FIELD POSITION	ADDITIONAL INFORMATION AND VALID VALUES
88	Baseline Survey: Orthopnea Question (Q14a)	558	Beneficiary's response to Q14a from the <i>Cohort I Baseline</i> survey: <i>During the past 4 weeks, 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
89	Baseline Survey: Dyspnea while Sitting/Resting Question (Q14b)	559	Beneficiary's response to Q14b from the <i>Cohort I Baseline</i> survey: <i>During the past 4 weeks, 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
90	Baseline Survey: Dyspnea when Walking Less than One Block Question (Q14c)	560	Beneficiary's response to Q14c from the <i>Cohort I Baseline</i> survey: <i>During the past 4 weeks, 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
91	Baseline Survey: Dyspnea when Climbing One Flight of Stairs Question (Q14d)	561	Beneficiary's response to Q14d from the <i>Cohort I Baseline</i> survey: <i>During the past 4 weeks, 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

VAR #	FIELD DESCRIPTION	FIELD POSITION	ADDITIONAL INFORMATION AND VALID VALUES
92	Baseline Survey: Numbness in Feet Question (Q15a)	562	Beneficiary's response to Q15a from the <i>Cohort I Baseline</i> survey: <i>During the past 4 weeks, 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
93	Baseline Survey: Ankle/Leg Edema Question (Q15b)	563	Beneficiary's response to Q15b from the <i>Cohort I Baseline</i> survey: <i>During the past 4 weeks, how much of the time have you had any of the following problems with your legs and feet?</i> <u>Ankles/legs that swell as the day goes on</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
94	Baseline Survey: Foot Tingling/Burning Question (Q15c)	564	Beneficiary's response to Q15c from the <i>Cohort I Baseline</i> survey: <i>During the past 4 weeks, how much of the time have you had any of the following problems with your legs and feet?</i> <u>Tingling or burning 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
95	Baseline Survey: Decreased Temperature Sensation in Feet Question (Q15d)	565	Beneficiary's response to Q15d from the <i>Cohort I Baseline</i> survey: <i>During the past 4 weeks, 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

VAR #	FIELD DESCRIPTION	FIELD POSITION	ADDITIONAL INFORMATION AND VALID VALUES
96	Baseline Survey: Sores/Wounds on Feet Question (Q15e)	566	Beneficiary's response to Q15e from the <i>Cohort I Baseline</i> survey: <i>During the past 4 weeks, how much of the time have you had any of the following problems with your legs and feet?</i> Sores or wounds on your <u>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
97	Baseline Survey: Hemiparalysis/Weakness Question (Q16a)	567	Beneficiary's response to Q16a from the <i>Cohort I Baseline</i> survey: <i>Have you ever had paralysis or weakness on one side of the body?</i> 1 = Yes, I have it 2 = Yes, but it went away 3 = No
98	Baseline Survey: Lost Ability to Talk Question (Q16b)	568	Beneficiary's response to Q16b from the <i>Cohort I Baseline</i> survey: <i>Have you ever lost the ability to talk?</i> 1 = Yes, I have lost it 2 = Yes, but it returned 3 = No
99	Baseline Survey: Vision Question (Q17)	569	Beneficiary's response to Q17 from the <i>Cohort I Baseline</i> survey: <i>Can you see well enough to read newspaper print?</i> 1 = Yes 2 = No
100	Baseline Survey: Hearing Question (Q18)	570	Beneficiary's response to Q18 from the <i>Cohort I Baseline</i> survey: <i>Can you hear most of the things people say?</i> 1 = Yes 2 = No
101	Baseline Survey: Acid Indigestion Question (Q19)	571	Beneficiary's response to Q19 from the <i>Cohort I Baseline</i> survey: <i>Do you now have acid indigestion or heartburn?</i> 1 = Yes 2 = No

VAR #	FIELD DESCRIPTION	FIELD POSITION	ADDITIONAL INFORMATION AND VALID VALUES
102	Baseline Survey: Difficulty Controlling Urination Question (Q20)	572	Beneficiary's response to Q20 from the <i>Cohort I Baseline</i> survey: <i>Do you have difficulty controlling urination?</i> 1 = Yes 2 = No
103	Baseline Survey: Hypertension Question (Q21)	573	Beneficiary's response to Q21 from the <i>Cohort I Baseline</i> survey: <i>Has a doctor ever told you that you had:</i> <u>Hypertension or high blood pressure</u> 1 = Yes 2 = No
104	Baseline Survey: Angina/Coronary Artery Disease Question (Q22)	574	Beneficiary's response to Q22 from the <i>Cohort I Baseline</i> survey: <i>Has a doctor ever told you that you had:</i> <u>Angina or coronary artery disease</u> 1 = Yes 2 = No
105	Baseline Survey: Congestive Heart Question (Q23)	575	Beneficiary's response to Q23 from the <i>Cohort I Baseline</i> survey: <i>Has a doctor ever told you that you had:</i> <u>Congestive heart failure</u> 1 = Yes 2 = No
106	Baseline Survey: Myocardial Infarction Question (Q24)	576	Beneficiary's response to Q24 from the <i>Cohort I Baseline</i> survey: <i>Has a doctor ever told you that you had:</i> <u>A myocardial infarction or heart attack</u> 1 = Yes 2 = No
107	Baseline Survey: Other Cardiac Conditions Question (Q25)	577	Beneficiary's response to Q25 from the <i>Cohort I Baseline</i> survey: <i>Has a doctor ever told you that you had:</i> <u>Other heart conditions...</u> 1 = Yes 2 = No
108	Baseline Survey: Stroke Question (Q26)	578	Beneficiary's response to Q26 from the <i>Cohort I Baseline</i> survey: <i>Has a doctor ever told you that you had:</i> <u>Stroke</u> 1 = Yes 2 = No
109	Baseline Survey: COPD Question (Q27)	579	Beneficiary's response to Q27 from the <i>Cohort I Baseline</i> survey: <i>Has a doctor ever told you that you had:</i> <u>Emphysema, asthma, or COPD</u> 1 = Yes 2 = No

VAR #	FIELD DESCRIPTION	FIELD POSITION	ADDITIONAL INFORMATION AND VALID VALUES
110	Baseline Survey: Inflammatory Bowel Disease Question (Q28)	580	Beneficiary's response to Q28 from the <i>Cohort I Baseline</i> survey: <i>Has a doctor ever told you that you had:</i> Crohn's disease, ulcerative colitis, <u>or inflammatory bowel disease</u> 1 = Yes 2 = No
111	Baseline Survey: Arthritis of Hip/Knee Question (Q29)	581	Beneficiary's response to Q29 from the <i>Cohort I Baseline</i> survey: <i>Has a doctor ever told you that you had:</i> <u>Arthritis of the hip or knee</u> 1 = Yes 2 = No
112	Baseline Survey: Arthritis of Hand/Wrist Question (Q30)	582	Beneficiary's response to Q30 from the <i>Cohort I Baseline</i> survey: <i>Has a doctor ever told you that you had:</i> <u>Arthritis of the hand or wrist</u> 1 = Yes 2 = No
113	Baseline Survey: Sciatica Question (Q31)	583	Beneficiary's response to Q31 from the <i>Cohort I Baseline</i> survey: <i>Has a doctor ever told you that you had:</i> <u>Sciatica</u> 1 = Yes 2 = No
114	Baseline Survey: Diabetes Question (Q32)	584	Beneficiary's response to Q32 from the <i>Cohort I Baseline</i> survey: <i>Has a doctor ever told you that you had:</i> Diabetes, high blood sugar, <u>or sugar in the urine</u> 1 = Yes 2 = No
115	Baseline Survey: Any Cancer Question (Q33)	585	Beneficiary's response to Q33 from the <i>Cohort I Baseline</i> survey: <i>Has a doctor ever told you that you had:</i> <u>Any cancer (other than skin cancer)</u> 1 = Yes 2 = No
116	Baseline Survey: Arthritis Pain Question (Q34)	586	Beneficiary's response to Q34 from the <i>Cohort I Baseline</i> survey: <i>During the past 4 weeks, how would you describe the arthritis pain you usually had?</i> 1 = None 2 = Very mild 3 = Mild 4 = Moderate 5 = Severe

VAR #	FIELD DESCRIPTION	FIELD POSITION	ADDITIONAL INFORMATION AND VALID VALUES
117	Baseline Survey: Colorectal Cancer Treatment Question (Q35a)	587	Beneficiary's response to Q35a from the <i>Cohort I Baseline</i> survey: <i>Are you currently under treatment for:</i> <u>Colon or rectal cancer</u> 1 = Yes 2 = No
118	Baseline Survey: Lung Cancer Treatment Question (Q35b)	588	Beneficiary's response to Q35b from the <i>Cohort I Baseline</i> survey: <i>Are you currently under treatment for:</i> <u>Lung cancer</u> 1 = Yes 2 = No
119	Baseline Survey: Breast Cancer Treatment Question (Q35c)	589	Beneficiary's response to Q35c from the <i>Cohort I Baseline</i> survey: <i>Are you currently under treatment for:</i> <u>Breast cancer</u> 1 = Yes 2 = No
120	Baseline Survey: Prostate Cancer Treatment Question (Q35d)	590	Beneficiary's response to Q35d from the <i>Cohort I Baseline</i> survey: <i>Are you currently under treatment for:</i> <u>Prostate cancer</u> 1 = Yes 2 = No
121	Baseline Survey: Low Back Pain Question (Q36)	591	Beneficiary's response to Q36 from the <i>Cohort I Baseline</i> survey: <i>In the past 4 weeks, how often has low back pain interfered with your usual daily activities?</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
122	Baseline Survey: Pain, Numbness, Tingling Down Leg Question (Q37)	592	Beneficiary's response to Q37 from the <i>Cohort I Baseline</i> survey: <i>In the past 4 weeks, how often did you have pain, numbness, or tingling that travels down your leg and below your knee?</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

VAR #	FIELD DESCRIPTION	FIELD POSITION	ADDITIONAL INFORMATION AND VALID VALUES
123	Baseline Survey: Two Weeks of Depression Question (Q38)	593	Beneficiary's response to Q38 from the <i>Cohort I Baseline</i> survey: <i>In the past year, 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
124	Baseline Survey: Depression Much of the Time Question (Q39)	594	Beneficiary's response to Q39 from the <i>Cohort I Baseline</i> survey: <i>In the past year, have you felt depressed or sad much of the time?</i> 1 = Yes 2 = No
125	Baseline Survey: Depression Most of the Time Question (Q40)	595	Beneficiary's response to Q40 from the <i>Cohort I Baseline</i> survey: <i>Have you ever had 2 years or more in your life when you felt depressed or sad most days, even if you felt okay sometimes?</i> 1 = Yes 2 = No
126	Baseline Survey: Comparative Health Question (Q41)	596	Beneficiary's response to Q41 from the <i>Cohort I Baseline</i> survey: <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
127	Baseline Survey: Smoked 100 Cigarettes Question (Q42)	597	Beneficiary's response to Q42 from the <i>Cohort I Baseline</i> survey: <i>Have you ever smoked at least 100 cigarettes in your entire life?</i> 1 = Yes 2 = No 3 = Don't know
128	Baseline Survey: Current Smoker Question (Q43)	598	Beneficiary's response to Q43 from the <i>Cohort I Baseline</i> survey: <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

VAR #	FIELD DESCRIPTION	FIELD POSITION	ADDITIONAL INFORMATION AND VALID VALUES
129	Baseline Survey: Quit Smoking Question (Q44)	599	Beneficiary's response to Q44 from the <i>Cohort I Baseline</i> survey: <i>How long has it been since you quit smoking cigarettes?</i> 1 = Less than 12 months 2 = 12 months or more 3 = Don't know
130	Baseline Survey: Smoking Advice Question (Q46)	600	Beneficiary's response to Q46 from the <i>Cohort I Baseline</i> survey: <i>In the last 12 months, on how many visits were you advised to quit smoking by a doctor or other health provider in your plan?</i> 1 = None 2 = 1 visit 3 = 2 to 4 visits 4 = 5 to 9 visits 5 = 10 or more visits 6 = I had no visits in the last 6 months
131	Baseline Survey: Survey Reported Year of Birth Question (Q47)	601-604	Beneficiary's response to Q47 from the <i>Cohort I Baseline</i> survey: <i>In what year were you born?</i>
132	Baseline Survey: Survey Reported Gender Question (Q48)	605	Beneficiary's response to Q48 from the <i>Cohort I Baseline</i> survey: <i>Are you male or female?</i> 1 = Male 2 = Female
133	Baseline Survey: Hispanic Question (Q49)	606	Beneficiary's response to Q49 from the <i>Cohort I Baseline</i> survey: <i>Are you of Hispanic or Spanish family background?</i> 1 = Yes 2 = No
134	Baseline Survey: Survey Reported Race Question (Q50)	607	Beneficiary's response to Q50 from the <i>Cohort I Baseline</i> survey: <i>How would you describe your race?</i> 1 = American Indian or Alaskan Native 2 = Asian or Pacific Islander 3 = Black or African American 4 = White 5 = Another race or multiracial

VAR #	FIELD DESCRIPTION	FIELD POSITION	ADDITIONAL INFORMATION AND VALID VALUES
135	Baseline Survey: Marital Status Question (Q51)	608	Beneficiary's response to Q51 from the <i>Cohort I Baseline</i> survey: <i>What is your current marital status?</i> 1 = Married 2 = Divorced 3 = Separated 4 = Widowed 5 = Never married
136	Baseline Survey: Education Question (Q52)	609	Beneficiary's response to Q52 from the <i>Cohort I Baseline</i> survey: <i>What is the highest grade or level of school that you have completed?</i> 1 = 8 th grade or less 2 = Some high school, but did not graduate 3 = High school graduate or GED 4 = Some college or 2 year college degree 5 = 4 year college graduate 6 = More than a 4 year college degree
137	Baseline Survey: Housing Question (Q54)	610	Beneficiary's response to Q54 from the <i>Cohort I Baseline</i> survey: <i>Is the house or apartment you currently live in:</i> 1 = Owned or being bought by you 2 = Owned or being bought by someone in your family other than you 3 = Rented for money 4 = Not owned and one in which you live without payment of rent
138	Baseline Survey: Retirement Community Question (Q55)	611	Beneficiary's response to Q55 from the <i>Cohort I Baseline</i> survey: <i>Is this house or apartment in a retirement community, building or complex?</i> 1 = Yes 2 = No
139	Baseline Survey: Retirement Community Medical Services Question (Q56)	612	Beneficiary's response to Q56 from the <i>Cohort I Baseline</i> survey: <i>Does this retirement community/building/ facility provide medical services?</i> 1 = Yes 2 = No

VAR #	FIELD DESCRIPTION	FIELD POSITION	ADDITIONAL INFORMATION AND VALID VALUES
140	Baseline Survey: Who Completed this Survey Question (Q57)	613	Beneficiary's response to Q57 from the <i>Cohort I Baseline</i> survey: <i>Who completed this survey form?</i> 1 = Person to whom survey was addressed 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
141	Baseline Survey: Name of Person Completing Question (Q58)	614-663	Beneficiary's response to Q58 from the <i>Cohort I Baseline</i> survey: <i>What is the name of the person who completed this survey form?</i>
142	Baseline Survey: Household Income Question (Q53)	664-665	Beneficiary's response to Q53 from the <i>Cohort I Baseline</i> survey: <i>Which of the following categories best represents the combined income for all family members in your household for the past 12 months?</i> 1 = Less than \$5,000 2 = \$5,000 - \$9,999 3 = \$10,000 - \$19,999 4 = \$20,000 - \$29,999 5 = \$30,000 - \$39,999 6 = \$40,000 - \$49,999 7 = \$50,000 - \$79,999 8 = \$80,000 - \$99,999 9 = \$100,000 or more 10 = Don't know

VAR #	FIELD DESCRIPTION	FIELD POSITION	ADDITIONAL INFORMATION AND VALID VALUES
143	Follow Up Survey: General Health Question (Q1) *	666	Beneficiary's response to Q1 from the <i>Cohort I Follow Up</i> survey: <i>In general, would you say your health is:</i> 1 = Excellent 2 = Very Good 3 = Good 4 = Fair 5 = Poor
144	Follow Up Survey: Health Transition Question (Q2) *	667	Beneficiary's response to Q2 from the <i>Cohort I Follow Up</i> survey: <i>Compared to one year ago, how would you rate your health in general now:</i> 1 = Much better now than 1 year ago 2 = Somewhat better now than 1 year ago 3 = About the same as 1 year ago 4 = Somewhat worse now than 1 year ago 5 = Much worse now than 1 year ago
145	Follow Up Survey: Vigorous Activities Question (Q3a) *	668	Beneficiary's response to Q3a from the <i>Cohort I Follow Up</i> survey: <i>Does your health limit you in these activities? If so, how much:</i> <u>Vigorous activities</u> 1 = Yes, limited a lot 2 = Yes, limited a little 3 = No, not limited at all
146	Follow Up Survey: Moderate Activities Question (Q3b) *	669	Beneficiary's response to Q3b from the <i>Cohort I Follow Up</i> survey: <i>Does your health limit you in these activities? If so, how much:</i> <u>Moderate activities</u> 1 = Yes, limited a lot 2 = Yes, limited a little 3 = No, not limited at all
147	Follow Up Survey: Lifting Groceries Question (Q3c) *	670	Beneficiary's response to Q3c from the <i>Cohort I Follow Up</i> survey: <i>Does your health limit you in these activities? If so, how much:</i> <u>Lifting or Carrying Groceries</u> 1 = Yes, limited a lot 2 = Yes, limited a little 3 = No, not limited at all
148	Follow Up Survey: Climbing Several Flights of Stairs Question (Q3d) *	671	Beneficiary's response to Q3d from the <i>Cohort I Follow Up</i> survey: <i>Does your health limit you 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

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VAR #	FIELD DESCRIPTION	FIELD POSITION	ADDITIONAL INFORMATION AND VALID VALUES
149	Follow Up Survey: Climbing One Flight of Stairs Question (Q3e) *	672	Beneficiary's response to Q3e from the <i>Cohort I Follow Up</i> survey: <i>Does your health limit you in these activities? If so, how much:</i> <u>Climbing one flight of stairs</u> 1 = Yes, limited a lot 2 = Yes, limited a little 3 = No, not limited at all
150	Follow Up Survey: Bending, Kneeling, and Stooping Question (Q3f) *	673	Beneficiary's response to Q3f from the <i>Cohort I Follow Up</i> survey: <i>Does your health limit you in these activities? If so, how much:</i> <u>Bending, kneeling, or stooping</u> 1 = Yes, limited a lot 2 = Yes, limited a little 3 = No, not limited at all
151	Follow Up Survey: Walking More than a Mile Question (Q3g) *	674	Beneficiary's response to Q3g from the <i>Cohort I Follow Up</i> survey: <i>Does your health limit you in these activities? If so, how much:</i> <u>Walking more than a mile</u> 1 = Yes, limited a lot 2 = Yes, limited a little 3 = No, not limited at all
152	Follow Up Survey: Walking Several Blocks Question (Q3h) *	675	Beneficiary's response to Q3h from the <i>Cohort I Follow Up</i> survey: <i>Does your health limit you in these activities? If so, how much:</i> <u>Walking several blocks</u> 1 = Yes, limited a lot 2 = Yes, limited a little 3 = No, not limited at all
153	Follow Up Survey: Walking One Block Question (Q3i) *	676	Beneficiary's response to Q3i from the <i>Cohort I Follow Up</i> survey: <i>Does your health limit you in these activities? If so, how much:</i> <u>Walking one block</u> 1 = Yes, limited a lot 2 = Yes, limited a little 3 = No, not limited at all
154	Follow Up Survey: Bathing and Dressing Question (Q3j) *	677	Beneficiary's response to Q3j from the <i>Cohort I Follow Up</i> survey: <i>Does your health limit you in these activities? If so, how much:</i> <u>Bathing or dressing yourself</u> 1 = Yes, limited a lot 2 = Yes, limited a little 3 = No, not limited at all

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VAR #	FIELD DESCRIPTION	FIELD POSITION	ADDITIONAL INFORMATION AND VALID VALUES
155	Follow Up Survey: Physical Health Limiting Time Spent on Activities Question (Q4a) [*]	678	Beneficiary's response to Q4a from the <i>Cohort I Follow Up</i> survey: <i>During the past 4 weeks, have you had problems with your work or other regular daily activities as a result of your physical health?</i> Cut down on the amount of time you <u>spent on work or other activities</u> 1 = Yes 2 = No
156	Follow Up Survey: Physical Health Limiting Amount Accomplished Question (Q4b) [*]	679	Beneficiary's response to Q4b from the <i>Cohort I Follow Up</i> survey: <i>During the past 4 weeks, have you had 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 = Yes 2 = No
157	Follow Up Survey: Physical Health Limiting the Kind of Activities Question (Q4c) [*]	680	Beneficiary's response to Q4c from the <i>Cohort I Follow Up</i> survey: <i>During the past 4 weeks, have you had problems with your work or other regular daily activities as a result of your physical health?</i> Were limited in the kind <u>of work or other activities</u> 1 = Yes 2 = No
158	Follow Up Survey: Physical Health Causing Difficulty Performing Activities Question (Q4d) [*]	681	Beneficiary's response to Q4d from the <i>Cohort I Follow Up</i> survey: <i>During the past 4 weeks, have you had problems with your work or other regular daily activities as a result of your physical health?</i> Had difficulty performing the <u>work or other activities</u> 1 = Yes 2 = No
159	Follow Up Survey: Emotional Problems Limiting Time Spent on Activities Question (Q5a) [*]	682	Beneficiary's response to Q5a from the <i>Cohort I Follow Up</i> survey: <i>During the past 4 weeks, have you had problems with your work or other regular daily activities as a result of any emotional problems?</i> Cut down on the amount of time you <u>spent on work or other activities</u> 1 = Yes 2 = No

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VAR #	FIELD DESCRIPTION	FIELD POSITION	ADDITIONAL INFORMATION AND VALID VALUES
160	Follow Up Survey: Emotional Problems Limiting Amount Accomplished Question (Q5b) [*]	683	Beneficiary's response to Q5b from the <i>Cohort I Follow Up</i> survey: <i>During the past 4 weeks, have you had problems with your work or other regular daily activities as a result of any emotional problems?</i> <u>Accomplished less than you would like</u> 1 = Yes 2 = No
161	Follow Up Survey: Emotional Problems Limiting Carefulness Question (Q5c) [*]	684	Beneficiary's response to Q5c from the <i>Cohort I Follow Up</i> survey: <i>During the past 4 weeks, have you had problems with your work or other regular daily activities as a result of any emotional problems?</i> Didn't do work or other <u>activities as careful as usual</u> 1 = Yes 2 = No
162	Follow Up Survey: Extent Health Interfering with Social Activities Question (Q6) [*]	685	Beneficiary's response to Q6 from the <i>Cohort I Follow Up</i> survey: <i>During the past 4 weeks, to what extent has your physical health or emotional problems interfered with your normal social activities...?</i> 1 = Not at All 2 = Slightly 3 = Moderately 4 = Quite a bit 5 = Extremely
163	Follow Up Survey: Bodily Pain Question (Q7) [*]	686	Beneficiary's response to Q7 from the <i>Cohort I Follow Up</i> survey: <i>How much bodily pain have you had during the past 4 weeks?</i> 1 = None 2 = Very mild 3 = Mild 4 = Moderate 5 = Severe 6 = Very severe
164	Follow Up Survey: Pain Interfering with Work Question (Q8) [*]	687	Beneficiary's response to Q8 from the <i>Cohort I Follow Up</i> survey: <i>During the past 4 weeks, how much did pain interfere with your normal work?</i> 1 = Not at All 2 = A little bit 3 = Moderately 4 = Quite a bit 5 = Extremely

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VAR #	FIELD DESCRIPTION	FIELD POSITION	ADDITIONAL INFORMATION AND VALID VALUES
165	Follow Up Survey: Full of Pep Question (Q9a) *	688	Beneficiary's response to Q9a from the <i>Cohort I Follow Up</i> survey: <i>How much of the time during the past 4 weeks...</i> <u>Did you feel full of pep?</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
166	Follow Up Survey: Nervous Question (Q9b) *	689	Beneficiary's response to Q9b from the <i>Cohort I Follow Up</i> survey: <i>How much of the time during the past 4 weeks...</i> <u>Have you been a very nervous person?</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
167	Follow Up Survey: Down in the Dumps Question (Q9c) *	690	Beneficiary's response to Q9c from the <i>Cohort I Follow Up</i> survey: <i>How much of the time during the past 4 weeks...</i> <u>Have you felt so down in the dumps that nothing could cheer you up?</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
168	Follow Up Survey: Calm and Peaceful Question (Q9d) *	691	Beneficiary's response to Q9d from the <i>Cohort I Follow Up</i> survey: <i>How much of the time during the past 4 weeks...</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

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VAR #	FIELD DESCRIPTION	FIELD POSITION	ADDITIONAL INFORMATION AND VALID VALUES
169	Follow Up Survey: Lots of Energy Question (Q9e) *	692	Beneficiary's response to Q9e from the <i>Cohort I Follow Up</i> survey: <i>How much of the time during the past 4 weeks...</i> <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
170	Follow Up Survey: Downhearted and Blue Question (Q9f) *	693	Beneficiary's response to Q9f from the <i>Cohort I Follow Up</i> survey: <i>How much of the time during the past 4 weeks...</i> <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
171	Follow Up Survey: Feeling Worn Out Question (Q9g) *	694	Beneficiary's response to Q9g from the <i>Cohort I Follow Up</i> survey: <i>How much of the time during the past 4 weeks...</i> <u>Did you feel worn out?</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
172	Follow Up Survey: Happy Question (Q9h) *	695	Beneficiary's response to Q9h from the <i>Cohort I Follow Up</i> survey: <i>How much of the time during the past 4 weeks...</i> <u>Have you been a happy person?</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

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VAR #	FIELD DESCRIPTION	FIELD POSITION	ADDITIONAL INFORMATION AND VALID VALUES
173	Follow Up Survey: Feeling Tired Question (Q9i) *	696	Beneficiary's response to Q9i from the <i>Cohort I Follow Up</i> survey: <i>How much of the time during the past 4 weeks...</i> <u>Did you feel tired?</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
174	Follow Up Survey: Amount of Time Health Interfering with Social Activities Question (Q10) *	697	Beneficiary's response to Q10 from the <i>Cohort I Follow Up</i> survey: <i>During the past 4 weeks, how much of the time has your physical health or emotional problems interfered with your social activities?</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
175	Follow Up Survey: Sick Easier Question (Q11a) *	698	Beneficiary's response to Q11a from the <i>Cohort I Follow Up</i> survey: <i>How true or false is each of the following statements for you?</i> I seem to get sick a little <u>easier than other people</u> 1 = Definitely true 2 = Mostly true 3 = Don't know 4 = Mostly false 5 = Definitely false
176	Follow Up Survey: As Healthy Question (Q11b) *	699	Beneficiary's response to Q11b from the <i>Cohort I Follow Up</i> survey: <i>How true or false is each of the following statements for you?</i> <u>I am as healthy as anybody I know</u> 1 = Definitely true 2 = Mostly true 3 = Don't know 4 = Mostly false 5 = Definitely false

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VAR #	FIELD DESCRIPTION	FIELD POSITION	ADDITIONAL INFORMATION AND VALID VALUES
177	Follow Up Survey: Future Health Question (Q11c) *	700	Beneficiary's response to Q11c from the <i>Cohort I Follow Up</i> survey: <i>How true or false is each of the following statements for you?</i> <u>I expect my health to get worse</u> 1 = Definitely true 2 = Mostly true 3 = Don't know 4 = Mostly false 5 = Definitely false
178	Follow Up Survey: Excellent Health Question (Q11d) *	701	Beneficiary's response to Q11d from the <i>Cohort I Follow Up</i> survey: <i>How true or false is each of the following statements for you?</i> <u>My health is excellent</u> 1 = Definitely true 2 = Mostly true 3 = Don't know 4 = Mostly false 5 = Definitely false
179	Follow Up Survey: Bathing Question (Q12a) *	702	Beneficiary's response to Q12a from the <i>Cohort I Follow Up</i> survey: <i>Because of a health or physical problem, do you have any difficulty doing the following activities?</i> <u>Bathing</u> 1 = I am unable to do this activity 2 = Yes, I have difficulty 3 = No, I do not have difficulty
180	Follow Up Survey: Dressing Question (Q12b) *	703	Beneficiary's response to Q12b from the <i>Cohort I Follow Up</i> survey: <i>Because of a health or physical problem, do you have any difficulty doing the following activities?</i> <u>Dressing</u> 1 = I am unable to do this activity 2 = Yes, I have difficulty 3 = No, I do not have difficulty
181	Follow Up Survey: Eating Question (Q12c) *	704	Beneficiary's response to Q12c from the <i>Cohort I Follow Up</i> survey: <i>Because of a health or physical problem, do you have any difficulty doing the following activities?</i> <u>Eating</u> 1 = I am unable to do this activity 2 = Yes, I have difficulty 3 = No, I do not have difficulty

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VAR #	FIELD DESCRIPTION	FIELD POSITION	ADDITIONAL INFORMATION AND VALID VALUES
182	Follow Up Survey: Getting In/Out of Chairs Question (Q12d) *	705	Beneficiary's response to Q12d from the <i>Cohort I Follow Up</i> survey: <i>Because of a health or physical problem, do you have any difficulty doing the following activities?</i> <u>Getting in or out of chairs</u> 1 = I am unable to do this activity 2 = Yes, I have difficulty 3 = No, I do not have difficulty
183	Follow Up Survey: Walking Question (Q12e) *	706	Beneficiary's response to Q12e from the <i>Cohort I Follow Up</i> survey: <i>Because of a health or physical problem, do you have any difficulty doing the following activities?</i> <u>Walking</u> 1 = I am unable to do this activity 2 = Yes, I have difficulty 3 = No, I do not have difficulty
184	Follow Up Survey: Using the Toilet Question (Q12f) *	707	Beneficiary's response to Q12f from the <i>Cohort I Follow Up</i> survey: <i>Because of a health or physical problem, do you have any difficulty doing the following activities?</i> <u>Using the toilet</u> 1 = I am unable to do this activity 2 = Yes, I have difficulty 3 = No, I do not have difficulty
185	Follow Up Survey: Chest Pain/Pressure on Exertion Question (Q13a) *	708	Beneficiary's response to Q13a from the <i>Cohort I Follow Up</i> survey: <i>During the past 4 weeks, 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
186	Follow Up Survey: Chest Pain/Pressure at Rest Question (Q13b) *	709	Beneficiary's response to Q13b from the <i>Cohort I Follow Up</i> survey: <i>During the past 4 weeks, 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

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VAR #	FIELD DESCRIPTION	FIELD POSITION	ADDITIONAL INFORMATION AND VALID VALUES
187	Follow Up Survey: Orthopnea Question (Q14a) *	710	Beneficiary's response to Q14a from the <i>Cohort I Follow Up</i> survey: <i>During the past 4 weeks, 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
188	Follow Up Survey: Dyspnea while Sitting/Resting Question (Q14b) *	711	Beneficiary's response to Q14b from the <i>Cohort I Follow Up</i> survey: <i>During the past 4 weeks, 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
189	Follow Up Survey: Dyspnea when Walking Less than One Block Question (Q14c) *	712	Beneficiary's response to Q14c from the <i>Cohort I Follow Up</i> survey: <i>During the past 4 weeks, 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
190	Follow Up Survey: Dyspnea when Climbing One Flight of Stairs Question (Q14d) *	713	Beneficiary's response to Q14d from the <i>Cohort I Follow Up</i> survey: <i>During the past 4 weeks, 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

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VAR #	FIELD DESCRIPTION	FIELD POSITION	ADDITIONAL INFORMATION AND VALID VALUES
191	Follow Up Survey: Numbness in Feet Question (Q15a) [⊛]	714	Beneficiary's response to Q15a from the <i>Cohort I Follow Up</i> survey: <i>During the past 4 weeks, 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
192	Follow Up Survey: Ankle/Leg Edema Question (Q15b) [⊛]	715	Beneficiary's response to Q15b from the <i>Cohort I Follow Up</i> survey: <i>During the past 4 weeks, how much of the time have you had any of the following problems with your legs and feet?</i> <u>Ankles/legs that swell as the day goes on</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
193	Follow Up Survey: Foot Tingling/Burning Question (Q15c) [⊛]	716	Beneficiary's response to Q15c from the <i>Cohort I Follow Up</i> survey: <i>During the past 4 weeks, how much of the time have you had any of the following problems with your legs and feet?</i> <u>Tingling or burning 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
194	Follow Up Survey: Decreased Temperature Sensation in Feet Question (Q15d) [⊛]	717	Beneficiary's response to Q15d from the <i>Cohort I Follow Up</i> survey: <i>During the past 4 weeks, 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

[⊛] Provided for only those beneficiaries who were part of the *Cohort I Follow Up* eligible sample.

VAR #	FIELD DESCRIPTION	FIELD POSITION	ADDITIONAL INFORMATION AND VALID VALUES
195	Follow Up Survey: Sores/Wounds on Feet Question (Q15e) *	718	Beneficiary's response to Q15e from the <i>Cohort I Follow Up</i> survey: <i>During the past 4 weeks, how much of the time have you had any of the following problems with your legs and feet?</i> Sores or wounds on your <u>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
196	Follow Up Survey: Hemiparalysis/Weakness Question (Q16a) *	719	Beneficiary's response to Q16a from the <i>Cohort I Follow Up</i> survey: <i>Have you ever had paralysis or weakness on one side of the body?</i> 1 = Yes, I have it 2 = Yes, but it went away 3 = No
197	Follow Up Survey: Lost Ability to Talk Question (Q16b) *	720	Beneficiary's response to Q16b from the <i>Cohort I Follow Up</i> survey: <i>Have you ever lost the ability to talk?</i> 1 = Yes, I have lost it 2 = Yes, but it returned 3 = No
198	Follow Up Survey: Vision Question (Q17) *	721	Beneficiary's response to Q17 from the <i>Cohort I Follow Up</i> survey: <i>Can you see well enough to read newspaper print?</i> 1 = Yes 2 = No
199	Follow Up Survey: Hearing Question (Q18) *	722	Beneficiary's response to Q18 from the <i>Cohort I Follow Up</i> survey: <i>Can you hear most of the things people say?</i> 1 = Yes 2 = No
200	Follow Up Survey: Acid Indigestion Question (Q19) *	723	Beneficiary's response to Q19 from the <i>Cohort I Follow Up</i> survey: <i>Do you now have acid indigestion or heartburn?</i> 1 = Yes 2 = No

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VAR #	FIELD DESCRIPTION	FIELD POSITION	ADDITIONAL INFORMATION AND VALID VALUES
201	Follow Up Survey: Difficulty Controlling Urination Question (Q20) *	724	Beneficiary's response to Q20 from the <i>Cohort I Follow Up</i> survey: <i>Do you have difficulty controlling urination?</i> 1 = Yes 2 = No
202	Follow Up Survey: Hypertension Question (Q21) *	725	Beneficiary's response to Q21 from the <i>Cohort I Follow Up</i> survey: <i>Has a doctor ever told you that you had:</i> <u>Hypertension or high blood pressure</u> 1 = Yes 2 = No
203	Follow Up Survey: Angina/Coronary Artery Disease Question (Q22) *	726	Beneficiary's response to Q22 from the <i>Cohort I Follow Up</i> survey: <i>Has a doctor ever told you that you had:</i> <u>Angina or coronary artery disease</u> 1 = Yes 2 = No
204	Follow Up Survey: Congestive Heart Question (Q23) *	727	Beneficiary's response to Q23 from the <i>Cohort I Follow Up</i> survey: <i>Has a doctor ever told you that you had:</i> <u>Congestive heart failure</u> 1 = Yes 2 = No
205	Follow Up Survey: Myocardial Infarction Question (Q24) *	728	Beneficiary's response to Q24 from the <i>Cohort I Follow Up</i> survey: <i>Has a doctor ever told you that you had:</i> <u>A myocardial infarction or heart attack</u> 1 = Yes 2 = No
206	Follow Up Survey: Other Cardiac Conditions Question (Q25) *	729	Beneficiary's response to Q25 from the <i>Cohort I Follow Up</i> survey: <i>Has a doctor ever told you that you had:</i> <u>Other heart conditions...</u> 1 = Yes 2 = No
207	Follow Up Survey: Stroke Question (Q26) *	730	Beneficiary's response to Q26 from the <i>Cohort I Follow Up</i> survey: <i>Has a doctor ever told you that you had:</i> <u>Stroke</u> 1 = Yes 2 = No
208	Follow Up Survey: COPD Question (Q27) *	731	Beneficiary's response to Q27 from the <i>Cohort I Follow Up</i> survey: <i>Has a doctor ever told you that you had:</i> <u>Emphysema, asthma, or COPD</u> 1 = Yes 2 = No

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VAR #	FIELD DESCRIPTION	FIELD POSITION	ADDITIONAL INFORMATION AND VALID VALUES
209	Follow Up Survey: Inflammatory Bowel Disease Question (Q28) *	732	Beneficiary's response to Q28 from the <i>Cohort I Follow Up</i> survey: <i>Has a doctor ever told you that you had:</i> Crohn's disease, ulcerative colitis, <u>or inflammatory bowel disease</u> 1 = Yes 2 = No
210	Follow Up Survey: Arthritis of Hip/Knee Question (Q29) *	733	Beneficiary's response to Q29 from the <i>Cohort I Follow Up</i> survey: <i>Has a doctor ever told you that you had:</i> <u>Arthritis of the hip or knee</u> 1 = Yes 2 = No
211	Follow Up Survey: Arthritis of Hand/Wrist Question (Q30) *	734	Beneficiary's response to Q30 from the <i>Cohort I Follow Up</i> survey: <i>Has a doctor ever told you that you had:</i> <u>Arthritis of the hand or wrist</u> 1 = Yes 2 = No
212	Follow Up Survey: Sciatica Question (Q31) *	735	Beneficiary's response to Q31 from the <i>Cohort I Follow Up</i> survey: <i>Has a doctor ever told you that you had:</i> <u>Sciatica</u> 1 = Yes 2 = No
213	Follow Up Survey: Diabetes Question (Q32) *	736	Beneficiary's response to Q32 from the <i>Cohort I Follow Up</i> survey: <i>Has a doctor ever told you that you had:</i> Diabetes, high blood sugar, <u>or sugar in the urine</u> 1 = Yes 2 = No
214	Follow Up Survey: Any Cancer Question (Q33) *	737	Beneficiary's response to Q33 from the <i>Cohort I Follow Up</i> survey: <i>Has a doctor ever told you that you had:</i> <u>Any cancer (other than skin cancer)</u> 1 = Yes 2 = No
215	Follow Up Survey: Arthritis Pain Question (Q34) *	738	Beneficiary's response to Q34 from the <i>Cohort I Follow Up</i> survey: <i>During the past 4 weeks, how would you describe the arthritis pain you usually had?</i> 1 = None 2 = Very mild 3 = Mild 4 = Moderate 5 = Severe

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VAR #	FIELD DESCRIPTION	FIELD POSITION	ADDITIONAL INFORMATION AND VALID VALUES
216	Follow Up Survey: Colorectal Cancer Treatment Question (Q35a) [⊛]	739	Beneficiary's response to Q35a from the <i>Cohort I Follow Up</i> survey: <i>Are you currently under treatment for:</i> <u>Colon or rectal cancer</u> 1 = Yes 2 = No
217	Follow Up Survey: Lung Cancer Treatment Question (Q35b) [⊛]	740	Beneficiary's response to Q35b from the <i>Cohort I Follow Up</i> survey: <i>Are you currently under treatment for:</i> <u>Lung cancer</u> 1 = Yes 2 = No
218	Follow Up Survey: Breast Cancer Treatment Question (Q35c) [⊛]	741	Beneficiary's response to Q35c from the <i>Cohort I Follow Up</i> survey: <i>Are you currently under treatment for:</i> <u>Breast cancer</u> 1 = Yes 2 = No
219	Follow Up Survey: Prostate Cancer Treatment Question (Q35d) [⊛]	742	Beneficiary's response to Q35d from the <i>Cohort I Follow Up</i> survey: <i>Are you currently under treatment for:</i> <u>Prostate cancer</u> 1 = Yes 2 = No
220	Follow Up Survey: Low Back Pain Question (Q36) [⊛]	743	Beneficiary's response to Q36 from the <i>Cohort I Follow Up</i> survey: <i>In the past 4 weeks, how often has low back pain interfered with your usual daily activities?</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
221	Follow Up Survey: Pain, Numbness, Tingling Down Leg Question (Q37) [⊛]	744	Beneficiary's response to Q37 from the <i>Cohort I Follow Up</i> survey: <i>In the past 4 weeks, how often did you have pain, numbness, or tingling that travels down your leg and below your knee?</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

[⊛] Provided for only those beneficiaries who were part of the *Cohort I Follow Up* eligible sample.

VAR #	FIELD DESCRIPTION	FIELD POSITION	ADDITIONAL INFORMATION AND VALID VALUES
222	Follow Up Survey: Two Weeks of Depression Question (Q38) *	745	Beneficiary's response to Q38 from the <i>Cohort I Follow Up</i> survey: <i>In the past year, 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
223	Follow Up Survey: Depression Much of the Time Question (Q39) *	746	Beneficiary's response to Q39 from the <i>Cohort I Follow Up</i> survey: <i>In the past year, have you felt depressed or sad much of the time?</i> 1 = Yes 2 = No
224	Follow Up Survey: Depression Most of the Time Question (Q40) *	747	Beneficiary's response to Q40 from the <i>Cohort I Follow Up</i> survey: <i>Have you ever had 2 years or more in your life when you felt depressed or sad most days, even if you felt okay sometimes?</i> 1 = Yes 2 = No
225	Follow Up Survey: Comparative Health Question (Q41) *	748	Beneficiary's response to Q41 from the <i>Cohort I Follow Up</i> survey: <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
226	Follow Up Survey: Smoked 100 Cigarettes Question (Q42) *	749	Beneficiary's response to Q42 from the <i>Cohort I Follow Up</i> survey: <i>Have you ever smoked at least 100 cigarettes in your entire life?</i> 1 = Yes 2 = No 3 = Don't know
227	Follow Up Survey: Current Smoker Question (Q43) *	750	Beneficiary's response to Q43 from the <i>Cohort I Follow Up</i> survey: <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

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VAR #	FIELD DESCRIPTION	FIELD POSITION	ADDITIONAL INFORMATION AND VALID VALUES
228	Follow Up Survey: Quit Smoking Question (Q44) *	751	Beneficiary's response to Q44 from the <i>Cohort I Follow Up</i> survey: <i>How long has it been since you quit smoking cigarettes?</i> 1 = Less than 6 months 2 = 6 months or more 3 = Don't know
229	Follow Up Survey: Smoking Advice Question (Q45) *	752	Beneficiary's response to Q45 from the <i>Cohort I Follow Up</i> survey: <i>In the last 6 months, on how many visits were you advised to quit smoking by a doctor or other health provider in your plan?</i> 1 = None 2 = 1 visit 3 = 2 to 4 visits 4 = 5 to 9 visits 5 = 10 or more visits 6 = I had no visits in the last 6 months
230	Follow Up Survey: Survey Reported Year of Birth Question (Q46) *	753-756	Beneficiary's response to Q46 from the <i>Cohort I Follow Up</i> survey: <i>In what year were you born?</i>
231	Follow Up Survey: Survey Reported Gender Question (Q47) *	757	Beneficiary's response to Q47 from the <i>Cohort I Follow Up</i> survey: <i>Are you male or female?</i> 1 = Male 2 = Female
232	Follow Up Survey: Hispanic Question (Q48) *	758	Beneficiary's response to Q48 from the <i>Cohort I Follow Up</i> survey: <i>Are you of Hispanic or Spanish family background?</i> 1 = Yes 2 = No
233	Follow Up Survey: Survey Reported Race Question (Q49) *	759	Beneficiary's response to Q49 from the <i>Cohort I Follow Up</i> survey: <i>How would you describe your race?</i> 1 = American Indian or Alaskan Native 2 = Asian or Pacific Islander 3 = Black or African American 4 = White 5 = Another race or multiracial

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VAR #	FIELD DESCRIPTION	FIELD POSITION	ADDITIONAL INFORMATION AND VALID VALUES
234	Follow Up Survey: Marital Status Question (Q50) *	760	Beneficiary's response to Q50 from the <i>Cohort I Follow Up</i> survey: <i>What is your current marital status?</i> 1 = Married 2 = Divorced 3 = Separated 4 = Widowed 5 = Never married
235	Follow Up Survey: Education Question (Q51) *	761	Beneficiary's response to Q51 from the <i>Cohort I Follow Up</i> survey: <i>What is the highest grade or level of school that you have completed?</i> 1 = 8 th grade or less 2 = Some high school, but did not graduate 3 = High school graduate or GED 4 = Some college or 2 year college degree 5 = 4 year college graduate 6 = More than a 4 year college degree
236	Follow Up Survey: Housing Question (Q52) *	762	Beneficiary's response to Q52 from the <i>Cohort I Follow Up</i> survey: <i>Is the house or apartment you currently live in:</i> 1 = Owned or being bought by you 2 = Owned or being bought by someone in your family other than you 3 = Rented for money 4 = Not owned and one in which you live without payment of rent
237	Follow Up Survey: Retirement Community Question (Q53) *	763	Beneficiary's response to Q53 from the <i>Cohort I Follow Up</i> survey: <i>Is this house or apartment in a retirement community, building or complex?</i> 1 = Yes 2 = No
238	Follow Up Survey: Retirement Community Medical Services Question (Q54) *	764	Beneficiary's response to Q54 from the <i>Cohort I Follow Up</i> survey: <i>Does this retirement community/building/ facility provide medical services?</i> 1 = Yes 2 = No

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VAR #	FIELD DESCRIPTION	FIELD POSITION	ADDITIONAL INFORMATION AND VALID VALUES
239	Follow Up Survey: Who Completed this Survey Question (Q55) *	765	Beneficiary's response to Q55 from the <i>Cohort I Follow Up</i> survey: <i>Who completed this survey form?</i> 1 = Person to whom survey was addressed 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
240	Follow Up Survey: Name of Person Completing Question (Q56) *	766-815	Beneficiary's response to Q56 from the <i>Cohort I Follow Up</i> survey: <i>What is the name of the person who completed this survey form?</i>
241	Follow Up Survey: Household Income Question (Q57) *	816-817	Beneficiary's response to Q57 from the <i>Cohort I Follow Up</i> survey: <i>Which of the following categories best represents the combined income for all family members in your household for the past 12 months?</i> 1 = Less than \$5,000 2 = \$5,000 - \$9,999 3 = \$10,000 - \$19,999 4 = \$20,000 - \$29,999 5 = \$30,000 - \$39,999 6 = \$40,000 - \$49,999 7 = \$50,000 - \$79,999 8 = \$80,000 - \$99,999 9 = \$100,000 or more 10 = Don't know
242	Survey Response Indicator for Mail/Telephone Responses at Baseline	818	Beneficiary completed a: 1 = Mail Survey at Baseline 2 = Telephone Survey at Baseline
243	Survey Response Indicator for Mail/Telephone Responses at Follow Up *	819	Beneficiary completed a: 1 = Mail Survey at Follow Up 2 = Telephone Survey at Follow Up

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VAR #	FIELD DESCRIPTION	FIELD POSITION	ADDITIONAL INFORMATION AND VALID VALUES
244	Baseline PCS Score	820-834	Beneficiary's Baseline PCS Score
245	Baseline MCS Score	835-849	Beneficiary's Baseline MCS Score
246	Follow Up PCS Score [Ⓢ]	850-864	Beneficiary's Follow Up PCS Score
247	Follow Up MCS Score [Ⓢ]	865-879	Beneficiary's Follow Up MCS Score
248	Telephone Adjusted Baseline PCS Score	880-894	Beneficiary's Telephone Adjusted Baseline PCS Score
249	Telephone Adjusted Baseline MCS Score	895-909	Beneficiary's Telephone Adjusted Baseline MCS Score
250	Telephone Adjusted Follow Up PCS Score [Ⓢ]	910-924	Beneficiary's Telephone Adjusted Follow Up PCS Score
251	Telephone Adjusted Follow Up MCS Score [Ⓢ]	925-939	Beneficiary's Telephone Adjusted Follow Up MCS Score
252	PCS Change Score (Telephone Adjusted Follow Up PCS Score – Telephone Adjusted Baseline PCS Score)	940-954	Beneficiary's PCS Change Score
253	MCS Change Score (Telephone Adjusted Follow Up MCS Score – Telephone Adjusted Baseline MCS Score)	955-979	Beneficiary's MCS Change Score
254	Actual PCS Better	980	Actual PCS Better 0 = No 1 = Yes
255	Actual PCS Same	981	Actual PCS Same 0 = No 1 = Yes
256	Actual PCS Same + Better	982	Actual PCS Same + Better 0 = No 1 = Yes
257	Actual MCS Better	983	Actual MCS Better 0 = No 1 = Yes
258	Actual MCS Same	984	Actual MCS Same 0 = No 1 = Yes
259	Actual MCS Same + Better	985	Actual MCS Same + Better 0 = No 1 = Yes
260	Expected PCS Better	986-1000	Expected Probability PCS Better
261	Expected PCS Same + Better	1001-1015	Expected Probability PCS Same + Better
262	Expected MCS Better	1016-1030	Expected Probability MCS Better
263	Expected MCS Same + Better	1031-1045	Expected Probability MCS Same + Better
264	Actual Death	1046	Beneficiary is considered "dead" in the analysis 0 = Alive 1 = Dead
265	Expected Probability of Death	1047-1061	Expected Probability of Death

[Ⓢ] Provided for only those beneficiaries who were part of the *Cohort I Follow Up eligible sample*.

Appendix C

Supplemental Electronic Data File Specifications

Although the comprehensive *Cohort I* Performance Measurement Electronic Data File contains PCS and MCS scores generated using the MDE algorithms, two preformatted supplemental electronic data files are provided that can be scored directly using the MDE software. The two files, labeled with “Baseline” for *Cohort I Baseline* and “FollowUp” for *Cohort I Follow Up*, are comma delimited ASCII files. These files are formatted for direct uploading into QualityMetric Incorporated’s MDE software. They include a unique beneficiary identifier (corresponding to variable #43 in the complete Performance Measurement Electronic Data File), and the SF-36[®] survey items (i.e., question numbers 1 through 11d from the Medicare HOS). No confidential beneficiary information is included in these files. For more details on QualityMetric Incorporated’s MDE software application, please refer to their website, <http://www.qmetric.com>.

The following table describes the file layouts for both supplemental data files.

VAR #	FIELD DESCRIPTION	STANDARD SF-36 [®] LABEL	VARIABLE NUMBER IN THE COMPLETE PERFORMANCE MEASUREMENT ELECTRONIC DATA FILE
1	Unique Beneficiary ID	PATID	43
2	General Health Question (Q1)	GH1	Baseline Survey: 44 Follow Up Survey: 143
3	Health Transition Question (Q2)	HT	Baseline Survey: 45 Follow Up Survey: 144
4	Vigorous Activities Question (Q3a)	PF01	Baseline Survey: 46 Follow Up Survey: 145
5	Moderate Activities Question (Q3b)	PF02	Baseline Survey: 47 Follow Up Survey: 146
6	Lifting Groceries Question (Q3c)	PF03	Baseline Survey: 48 Follow Up Survey: 147
7	Climbing Several Flights of Stairs Question (Q3d)	PF04	Baseline Survey: 49 Follow Up Survey: 148
8	Climbing One Flight of Stairs Question (Q3e)	PF05	Baseline Survey: 50 Follow Up Survey: 149
9	Bending, Kneeling, and Stooping Question (Q3f)	PF06	Baseline Survey: 51 Follow Up Survey: 150
10	Walking More than a Mile Question (Q3g)	PF07	Baseline Survey: 52 Follow Up Survey: 151
11	Walking Several Blocks Question (Q3h)	PF08	Baseline Survey: 53 Follow Up Survey: 152
12	Walking One Block Question (Q3i)	PF09	Baseline Survey: 54 Follow Up Survey: 153
13	Bathing and Dressing Question (Q3j)	PF10	Baseline Survey: 55 Follow Up Survey: 154

VAR #	FIELD DESCRIPTION	STANDARD SF-36® LABEL	VARIABLE NUMBER IN THE COMPLETE PERFORMANCE MEASUREMENT ELECTRONIC DATA FILE
14	Physical Health Limiting Time Spent on Activities Question (Q4a)	RP1	Baseline Survey: 56 Follow Up Survey: 155
15	Physical Health Limiting Amount Accomplished Question (Q4b)	RP2	Baseline Survey: 57 Follow Up Survey: 156
16	Physical Health Limiting the Kind of Activities Question (Q4c)	RP3	Baseline Survey: 58 Follow Up Survey: 157
17	Physical Health Causing Difficulty Performing Activities Question (Q4d)	RP4	Baseline Survey: 59 Follow Up Survey: 158
18	Emotional Problems Limiting Time Spent on Activities Question (Q5a)	RE1	Baseline Survey: 60 Follow Up Survey: 159
19	Emotional Problems Limiting Amount Accomplished Question (Q5b)	RE2	Baseline Survey: 61 Follow Up Survey: 160
20	Emotional Problems Limiting Carefulness Question (Q5c)	RE3	Baseline Survey: 62 Follow Up Survey: 161
21	Extent Health Interfering with Social Activities Question (Q6)	SF1	Baseline Survey: 63 Follow Up Survey: 162
22	Bodily Pain Question (Q7)	BP1	Baseline Survey: 64 Follow Up Survey: 163
23	Pain Interfering with Work Question (Q8)	BP2	Baseline Survey: 65 Follow Up Survey: 164
24	Full of Pep Question (Q9a)	VT1	Baseline Survey: 66 Follow Up Survey: 165
25	Nervous Question (Q9b)	MH1	Baseline Survey: 67 Follow Up Survey: 166
26	Down in the Dumps Question (Q9c)	MH2	Baseline Survey: 68 Follow Up Survey: 167
27	Calm and Peaceful Question (Q9d)	MH3	Baseline Survey: 69 Follow Up Survey: 168
28	Lots of Energy Question (Q9e)	VT2	Baseline Survey: 70 Follow Up Survey: 169
29	Downhearted and Blue Question (Q9f)	MH4	Baseline Survey: 71 Follow Up Survey: 170
30	Feeling Worn Out Question (Q9g)	VT3	Baseline Survey: 72 Follow Up Survey: 171
31	Happy Question (Q9h)	MH5	Baseline Survey: 73 Follow Up Survey: 172
32	Feeling Tired Question (Q9i)	VT4	Baseline Survey: 74 Follow Up Survey: 173

VAR #	FIELD DESCRIPTION	STANDARD SF-36® LABEL	VARIABLE NUMBER IN THE COMPLETE PERFORMANCE MEASUREMENT ELECTRONIC DATA FILE
33	Amount of Time Health Interfering with Social Activities Question (Q10)	SF2	Baseline Survey: 75 Follow Up Survey: 174
34	Sick Easier Question (Q11a)	GH2	Baseline Survey: 76 Follow Up Survey: 175
35	As Healthy Question (Q11b)	GH3	Baseline Survey: 77 Follow Up Survey: 176
36	Future Health Question (Q11c)	GH4	Baseline Survey: 78 Follow Up Survey: 177
37	Excellent Health Question (Q11d)	GH5	Baseline Survey: 79 Follow Up Survey: 178