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PERFORMANCE
MEASUREMENT

ELECTRONIC DATA
USER'S GUIDE

Cohort IV
2001-2003

MEDICARE HEALTH

OUTCOMES SURVEY

CENTERS
FOR MEDICARE
& MEDICAID
SERVICES

HEALTH
SERVICES
ADVISORY
GROUP



The logo for the Health Services Advisory Group (HSAG). It features the letters "HSAG" in a large, blue, serif font. Below "HSAG" is the text "HEALTH SERVICES ADVISORY GROUP" in a smaller, blue, sans-serif font.

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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 its Medicare beneficiaries 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 are 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. The HOS results are an important part of CMS' quality improvement activities, as current law authorizes Quality Improvement Organizations (QIOs) to review the quality of care provided to Medicare beneficiaries. In addition, CMS includes the HOS results as one of the components of their performance assessment program. The goal of the HOS program is to gather valid and reliable health status data in Medicare managed care for use in quality improvement activities, public reporting, plan accountability, and improving health outcomes.

The *Cohort IV* Performance Measurement results (released in August 2004) 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 from this survey describe the outcomes of a randomly selected set of members from each participating plan between 2001 and 2003. As part of the survey implementation policy, M+COs have been notified that the beneficiary level data used to generate results for the *Cohort IV* Performance Measurement Report are available and will be forwarded to their plan upon request.

This *Cohort IV* Performance Measurement **Data User's Guide** is designed to assist individuals with the use of the beneficiary level *Cohort IV* Performance Measurement data file. The Data User's Guide includes a general overview of the survey background, instrument, and methodology, as well as a detailed listing of the fields included in the data file. These data are intended to support M+CO and QIO quality improvement activities.

¹ National Committee for Quality Assurance. *HEDIS® 2003, Volume 6: Specifications for the Medicare Health Outcomes Survey*. Washington DC: NCQA Publication, 2003.

Introduction

BACKGROUND

CMS is committed to monitoring the quality of care provided by M+COs. To better evaluate this care, 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 who are disabled and not seniors (not age 65 or older) in the sampling methodology.

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 provide input for developing the science of the HOS measure. CMS has contracted with NCQA to support the standardized administration of the HOS survey, including selecting, training, and certifying independent survey vendors with whom the plans contract to administer the survey.

In 2001, CMS required all M+COs, continuing cost contractors, Program of All-inclusive Care for the Elderly (PACE) plans, Social HMOs, and Medicare Choices Demonstration plans with contracts in place on or before January 1, 2000 to participate in the *Cohort IV Baseline* survey. In 2003, all plans with contracts in place on or before January 1, 2000 that participated in the *Cohort IV Baseline* survey in 2001 were required to participate in the *Cohort IV Follow Up* survey in 2003.³

Data collection for *Cohort IV Baseline* occurred in 2001, and findings were distributed to M+COs and QIOs in 2002. *Cohort IV Baseline* beneficiary level data were disseminated to QIOs in 2002. Data collection for *Cohort IV Follow Up* occurred in 2003. These data were combined with *Cohort IV Baseline* data to create a merged *Cohort IV* Performance Measurement data file. This file was used to generate the *Cohort IV* Performance Measurement Reports, which were distributed to participating QIOs in August 2004 and to participating plans via CMS' Health Plan Management System (HPMS) in Fall 2004.

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

³ National Committee for Quality Assurance. *HEDIS[®] 2003, Volume 6: Specifications for the Medicare Health Outcomes Survey*. Washington DC: NCQA Publication, 2003.

MEDICARE HEALTH OUTCOMES SURVEY INSTRUMENT

The HOS instrument consists of the SF-36[®] Health Survey^{4, 5} and additional questions, which include but are not limited to those used for case mix/risk adjustment purposes.

SF-36[®] Health Survey

The SF-36[®] is a multipurpose, short-form health survey with only 36 questions. It yields an eight scale profile of scores, as well as 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 5 illustrates the taxonomy of items and concepts underlying the construction of the SF-36[®] summary measures, the Physical Component Summary (PCS) score and Mental Component Summary (MCS) score. The SF-36[®] is scored from 0 to 100 points, with higher scores indicating better functioning on both the individual scales and the summary measures. For additional information on the scoring of the SF-36[®], please refer to the Scoring SF-36[®] Physical and Mental Health Summary Measures subsection on page 7.

Additional Questions

The HOS instrument includes several items used for case mix/risk adjustment purposes. In general, risk adjustment is a method that adjusts for multiple factors, which may impact an outcome of interest. Case mix adjustment, which is a type of risk adjustment, adjusts the resulting data for beneficiary characteristics that are known to be related to systematic biases in the way people respond to survey questions. In the case of the HOS Performance Measurement data, multivariate statistical methods were used for case mix adjustment so all plans would be as similar as possible in terms of demographic and socioeconomic characteristics, chronic medical conditions, general health status, and other design variables. The Medicare HOS Performance Measurement case mix methodology was developed by the Health Assessment Lab (HAL).

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

⁴ SF-36[®] is a registered trademark of the Medical Outcomes Trust.

⁵ Ware JE, Snow KK, Kosinski M, Gandek B. *SF-36[®] Health Survey Manual and Interpretation Guide*. Boston, MA: New England Medical Center, 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.

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 (COPD); 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 are included in the HOS survey to determine self-reported difficulty with performance of daily tasks. ADLs include bathing, dressing, eating, getting in or out of chairs, walking, and using the toilet.

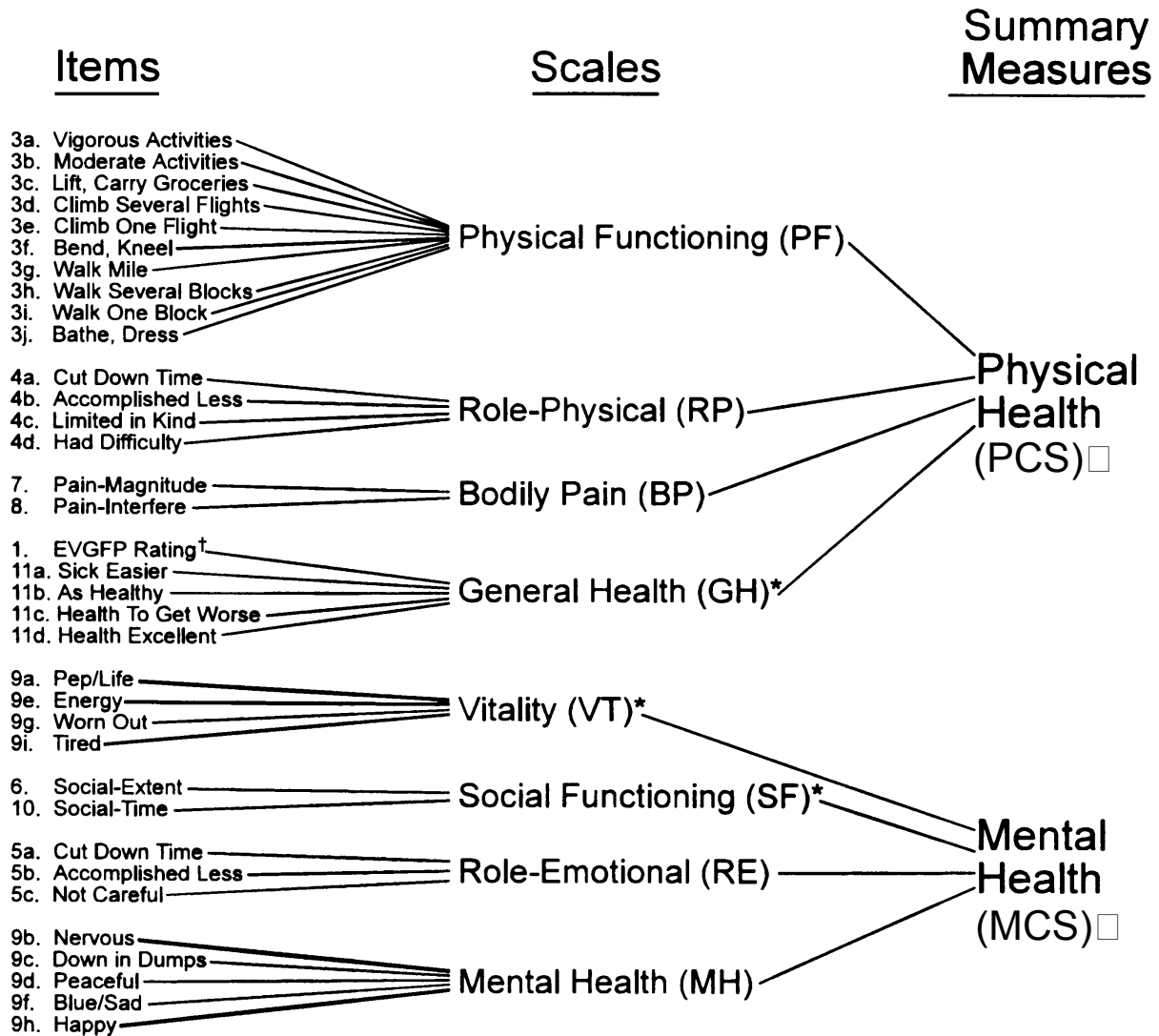
In addition to the questions outlined above, the HOS also includes other questions, which cover topics such as depression, smoking, and physical symptoms.

To increase the utility of the HOS, several new questions were incorporated into the 2003 HOS instrument. Three Healthy Days questions from the Centers for Disease Control and Prevention's (CDC) Behavioral Risk Factor Surveillance System (BRFSS) and four questions about the management of urinary incontinence were added to the HOS instrument. To accommodate the addition of these new questions while maintaining a survey of reasonable length, several questions were removed from the survey. Please refer to the Baseline Data File Characteristics section beginning on page 12 for additional information regarding the new and deleted survey items.

For further information on the Medicare HOS instrument, please refer to the *Cohort IV Performance Measurement Report* and *HEDIS[®] 2003, Volume 6: Specifications for the Medicare Health Outcomes Survey* (also referred to as the *2003 HOS Manual*).⁷

⁷National Committee for Quality Assurance. *HEDIS[®] 2003, Volume 6: Specifications for the Medicare Health Outcomes Survey*. Washington DC: NCQA Publication, 2003.

FIGURE 1: SF-36[®] MEASUREMENT MODEL



* Significant correlation with other summary measure

† EVGFP Rating: In general, would you say your health is:
Excellent Very Good Good Fair Poor

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.

Methodology

SAMPLING METHODOLOGY

The HOS measure is administered annually to a randomly selected sample of individuals at baseline from each M+CO. The sampling methodology is dependent upon the size of a plan's population. For M+COs with Medicare populations of more than 1,000 members, a simple random sample of 1,000 members is selected for the baseline survey. In those M+COs with 3,000 or more members, members who responded to the *Cohort III Baseline* survey are excluded from the *Cohort IV Baseline* sample. For M+COs with populations of 1,000 members or less, all eligible members are included in the sample for the baseline survey. Members are defined as eligible for the baseline survey if they have been continuously enrolled for at least six months and do not have End Stage Renal Disease (ESRD).

For the *Cohort IV Follow Up* sample, CMS identified beneficiaries from the *Cohort IV Baseline* sample who were eligible for remeasurement. Members were eligible for remeasurement if they had sufficient SF-36[®] data to derive PCS and MCS scores at baseline. Beneficiaries were excluded from *Cohort IV Follow Up* if they disenrolled from their M+CO subsequent to the *Cohort IV Baseline* survey, or were deceased subsequent to the *Cohort IV Baseline* survey. Although deceased beneficiaries are excluded from the *Cohort IV Follow Up* sample, CMS includes deceased beneficiaries when calculating the HOS Performance Measurement results.⁸

SURVEY ADMINISTRATION

M+COs must contract with an NCQA-certified HOS vendor to administer the survey. For *Cohort IV Follow Up*, vendors followed the protocol contained in the HEDIS 2003, Volume 6 manual.⁸ The standard HEDIS protocol for administering the HOS employs a combination of mail and telephone survey administration. The mail component of the survey uses a standardized questionnaire, survey letters, and prenotification and reminder/thank you postcards. In those instances when beneficiaries fail to respond after the second mail survey, vendors attempt telephone follow up (with a maximum of six attempts). Vendors also perform telephone follow up for members who return an incomplete mail survey in order to obtain responses to missing questions. Vendors use a standardized version of a Computer Assisted Telephone Interviewing (CATI) script to collect telephone interview data for the survey. To ensure the standardization of the data collection process, vendors are prohibited from augmenting or adjusting the HOS protocol or instrument in any manner.

⁸ National Committee for Quality Assurance. *HEDIS[®] 2003, Volume 6: Specifications for the Medicare Health Outcomes Survey*. Washington DC: NCQA Publication, 2003.

DISTRIBUTION OF THE SAMPLE

The 2001 *Cohort IV Baseline* Medicare HOS included a random sample of 190,523 beneficiaries, including both the aged and disabled, from 188 managed care plans. Of the 190,523 individuals sampled, 63.6% (121,208) completed the baseline survey. Of the 121,208 respondents, 113,529 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 MCS scores. During the two years between the 2001 *Cohort IV Baseline* survey and the 2003 *Cohort IV 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, 152 reporting units (M+COs) and 95,565 respondents remained in the HOS. For purposes of plan comparisons, this group of 95,565 beneficiaries comprises the *Cohort IV Performance Measurement analytic sample*.

At the time of follow up, 63,978 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 IV Follow Up eligible sample*. A total of 50,636 beneficiaries returned a survey that could be used to estimate PCS and MCS scores. These 50,636 beneficiaries comprise the *Cohort IV Follow Up respondent sample*.

The Performance Measurement results are based on the analytic sample of 95,565 and not the entire population sampled at baseline and follow up. At the national level, 6,998 beneficiaries died between baseline and the two-year follow up. Another 24,589 beneficiaries voluntarily disenrolled from their M+COs during the same two-year period. Of the 63,978 individuals eligible for follow up, 50,636 beneficiaries responded; 12,950 beneficiaries did not respond to the follow up survey; and 392 beneficiaries were determined to be invalid members at follow up.⁹ It is important to remember that a respondent is defined as an eligible beneficiary who returned a survey that could be used to estimate PCS and MCS scores.

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 IV Performance Measurement Report*.

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

The eight scales and two summary measures are estimated using the scoring algorithms described by the developers of the SF-36[®] Health Survey.¹⁰ Briefly, these norm-based algorithms yield favorably scored (i.e., higher is better) measures that have a mean of 50 and a standard deviation of 10 in the general US population. For each scale, a score was calculated if at least 50% of the items in the scale were completed (commonly referred to as the “half-scale” rule).¹¹ The two summary measures were calculated when all eight scales were not missing. For the PCS, a very high score indicates no

⁹ Invalid members at *follow up* meet one of the following criteria: not enrolled in the M+CO; have an incorrect address and phone number; or have a language barrier.

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

physical limitations, disabilities or decline in well being; high energy level; and a rating of health as “excellent.” For the MCS, a very high score indicates 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 both the individual scales and summary measures (PCS and MCS) contained in the *Cohort IV* Performance Measurement data file 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 in aggregating the eight scales to score the PCS and MCS measures are the original standardized weights recommended by the developers.¹² Although the norm-based scoring algorithms have a mean of 50 and a standard deviation of 10, it is important to note that the 1998 general population elderly norms reflect a PCS mean score of 42.6 and an MCS mean score of 52.0.

Please note that for the HOS *Cohorts I, II, and III Baseline* data files, the means and standard deviations used in scoring the SF-36[®] summary measures came from the 1990 National Survey of Functional Health Status and utilized the “half-scale” rule for imputing scale scores for those with missing data. For the *Cohorts I and II* Performance Measurement and *Cohort IV Baseline* data files, however, the means and standard deviations used in scoring the SF-36[®] summary measures came from the 1998 National Survey of Functional Health Status and utilized the missing data estimation (MDE) scoring utility, which imputed scores for those with missing data. For the *Cohorts III and IV* Performance Measurement and *Cohorts V and VI Baseline* data files, the means and standard deviations used in scoring the SF-36[®] scale and summary measures came from the 1998 National Survey of Functional Health Status and utilized the “half-scale” rule for imputing scale scores for those with missing data. Due to variations in the means and standard deviations used to score the SF-36[®] items, as well as in the imputation methodologies, **caution should be exercised when comparing scale scores and summary measures between various HOS data files.**

CASE MIX ADJUSTMENT

The goal of the performance measurement analysis is to compare physical and mental health outcomes in M+COs in terms of percentages of beneficiaries who were better, the same, or worse than expected at the two-year follow up. The analysis consists of the classification of actual outcomes for each beneficiary, the calculation of expected outcomes for each beneficiary, the calculation of plan level results, and tests of significance of plan level differences.¹³

¹² 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.

¹³ National Committee for Quality Assurance. *HEDIS[®] 2003, Volume 6: Specifications for the Medicare Health Outcomes Survey*. Washington DC: NCQA Publication, 2003.

There were six main categories of actual outcomes used in the analysis of the *Cohort IV 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 is described in more detail in Appendix 1 of HEDIS 2003, Volume 6. A series of eight different death models, three different PCS models, and three different MCS models was 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 an expected score was calculated for every beneficiary in the *Cohort IV Performance Measurement analytic sample*. Details about the variables included in each model are provided in Tables 1 and 2 on pages 10 and 11, respectively.

The difference between actual and expected outcomes was used to determine plan level results. An overall *F* test was used to test whether plans differed significantly on the outcome measures. If the overall *F* test was significant, then a *t* statistic was used to express the significance of each plan difference from the overall national results.¹⁴

¹⁴ National Committee for Quality Assurance. *HEDIS® 2003, Volume 6: Specifications for the Medicare Health Outcomes Survey*. Washington DC: NCQA Publication, 2003.

TABLE 1
COVARIATES USED IN ESTIMATION OF EXPECTED MORTALITY

DEATH MODEL COVARIATES	DEATH MODEL							
	A	B	C	D	E	F	G	H
<i>Demographic and Socioeconomic Variables</i>								
Age (linear), Age 75+, Age 85+	✓	✓	✓	✓	✓	✓	✓	✓
Gender	✓	✓	✓	✓	✓	✓	✓	✓
Age and Gender interaction	✓	✓	✓	✓	✓	✓	✓	✓
HOS Race/Ethnicity (Black/African-American, Hispanic, Asian/Pacific Islander)	✓	✓	✓	✓				
CMS Race/Ethnicity (Black/African-American, Hispanic, Asian/Pacific Islander)					✓	✓	✓	✓
On Medicaid or not on Medicaid	✓	✓	✓	✓	✓	✓	✓	✓
Home owner or non-home owner	✓	✓	✓	✓				
High school graduate or not high school graduate	✓	✓	✓	✓				
Married or not married (single, divorced, widowed, separated)	✓	✓	✓	✓				
Annual household income less than \$20,000 or annual household income of \$20,000 or greater	✓		✓					
<i>Chronic Medical Conditions</i>								
Presence or absence of each of 13 chronic medical conditions: hypertension, myocardial infarction, angina/coronary artery 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	✓	✓						
Treatment or non-treatment for 4 cancer types: colon/rectal, lung, breast, prostate	✓	✓						
Mean number of conditions in 4 groups with varying relations to death: 1. Strong relationship (congestive heart failure, any cancer, colon/rectal cancer, lung cancer) 2. Moderate relationship (pulmonary disease, diabetes, stroke, myocardial infarction) 3. Weak relationship (breast cancer, hypertension, angina/coronary artery disease, other heart conditions) 4. Negative relationship (gastrointestinal disorders, arthritis [both types], sciatica, prostate cancer)			✓	✓	✓	✓		
<i>Baseline Functional Status</i>								
SF-36 [®] Physical Functioning/Activities of Daily Living Index	✓	✓	✓	✓	✓			
SF-36 [®] General Health scale	✓	✓	✓	✓	✓			
SF-36 [®] Social Functioning scale	✓	✓	✓	✓	✓			
One-item measure of General Health compared to others	✓	✓	✓	✓	✓			
Baseline PCS and MCS						✓	✓	
<i>Survey Administration</i>								
Telephone or mail survey	✓	✓	✓	✓	✓	✓	✓	

TABLE 2
COVARIATES USED IN ESTIMATION OF CHANGE IN PCS AND MCS SCORES

PCS/MCS MODEL COVARIATES	PCS MODEL			MCS MODEL		
	A	B	C	A	B	C
Age (linear), Age 75+, Age 85+	✓	✓	✓	✓	✓	✓
Gender	✓	✓	✓	✓	✓	✓
Age and Gender interaction	✓	✓	✓	✓	✓	✓
HOS Race/Ethnicity (Black/African-American, Hispanic, Asian/Pacific Islander)	✓	✓		✓	✓	
CMS Race/Ethnicity (Black/African-American, Hispanic, Asian/Pacific Islander)						✓
On Medicaid or not on Medicaid	✓	✓	✓	✓	✓	✓
Home owner or non-home owner	✓	✓		✓	✓	
High school graduate or not high school graduate	✓	✓		✓	✓	
Married or not married (single, divorced, widowed, separated)	✓	✓		✓	✓	
Annual household income less than \$20,000 or annual household income of \$20,000 or greater	✓			✓		

Performance Measurement Data

File Characteristics

Each QIO level *Cohort IV* Performance Measurement data file was derived from the *Cohort IV Performance Measurement analytic sample* of 95,565. As discussed in the Methodology, the *Cohort IV* Performance Measurement results are based on the analytic sample of 95,565 and not the entire population sampled at baseline and follow up. Disabled beneficiaries under the age of 65 were not included in the analytic sample, and therefore are not part of the *Cohort IV* Performance Measurement data file. Data for disabled beneficiaries can be provided upon request. If you would like to request these additional data, please contact the HOS Team at Health Services Advisory Group (HSAG) via the Medicare HOS Information and Technical Support Telephone Line (1-888-880-0077) or the HOS e-mail address (*hos@azqio.sdps.org*).

Beneficiaries in the *Cohort IV Performance Measurement analytic sample* were classified into a number of categories at the time of performance measurement. These categories include: respondents; non-respondents; invalid members at follow up¹⁵; those who died within two years of the baseline survey; and those who voluntarily disenrolled from their M+CO prior to follow up. These beneficiaries were included in the QIO level *Cohort IV* Performance Measurement data file.

Please note, in accordance with CMS regulations, data on those beneficiaries who disenrolled from their M+CO prior to the time of follow up were not included in the M+CO level Cohort IV Performance Measurement data files distributed to participating plans, although these beneficiaries were included in the calculation of plan level Performance Measurement results.

There are a total of 275 fields in the *Cohort IV* Performance Measurement data file. A detailed summary of data evaluation and file production processes is included in Appendix A. A detailed list of the fields in the file is included in Appendix B.

This section describes the new and excluded fields in the *Cohort IV* Performance Measurement data file, as well as an overview of all the fields in the data file. Several new questions were incorporated into the 2003 HOS instrument, and several questions were removed from the 2003 survey to accommodate the new questions. The new and excluded fields described below apply only to the 2003 follow up survey items contained in the *Cohort IV* Performance Measurement data file. Please note, in addition to the new fields and excluded fields specifically outlined below, selected field attributes (i.e., type, length, and/or label) may have been modified for some fields included in the *Cohort IV* Performance Measurement data file, when compared to the same field included in previous HOS data files. Please refer to Appendix B for detailed information regarding all field attributes contained in the *Cohort IV* Performance Measurement data file.

¹⁵ Invalid members at follow up met one of the following criteria: not enrolled in the M+CO; have an incorrect address and phone number; or have a language barrier.

NEW FIELDS

The following fields are new in the *Cohort IV* Performance Measurement data file.

- Three Healthy Days questions from the CDC's BRFSS were added to the 2003 HOS instrument to allow comparisons between HOS and BRFSS results.
 - *Now, thinking about your physical health, which includes physical illness and injury, for how many days during the past 30 days was your physical health not good?* (R4PHYHTH)
 - *Now, thinking about your mental health, which includes stress, depression, and problems with emotions, for how many days during the past 30 days was your mental health not good?* (R4MENHTH)
 - *During the past 30 days, for about how many days did poor physical or mental health keep you from doing your usual activities, such as self-care, work, or recreation?* (R4PORHTH)
- Four questions about the management of urinary incontinence were added to the 2003 HOS instrument to support a new HEDIS measure. This new measure, Management of Urinary Incontinence (UI) in Older Adults, will be a part of the Effectiveness of Care domain of HEDIS.
 - *Many people experience problems with urinary incontinence, the leakage of urine. In the last six months, have you accidentally leaked urine?* (R4URNLKG)
 - *How much of a problem, if any, was the urine leakage for you?* (R4URNMAG)
 - *In the last six months, have you talked with a doctor or other health provider about your current urine leakage problem?* (R4URNDOC)
 - *There are many ways to treat urinary incontinence including bladder training, exercises, medication and surgery. In the last six months, have you received these or any other treatments for your current urine leakage problem?* (R4URNTRT)

EXCLUDED FIELDS

Fields listed below were excluded from the *Cohort IV* Performance Measurement data file because the fields were no longer applicable or the questions were removed from the 2003 HOS instrument to accommodate the incorporation of the new questions listed above.

- The 2003 HOS administration did not utilize market areas for sampling or reporting, therefore, the follow up market area name (R4MANAME) field is no longer applicable and was excluded from the data file.
- Previous Performance Measurement data files contained two unique, randomly assigned, anonymous beneficiary identification numbers: one assigned to all members in the baseline sample and another assigned only to beneficiaries in the Performance Measurement data files that were distributed to the M+COs. The latter identification number has been excluded from the *Cohort IV* Performance Measurement data file. However, the unique beneficiary identification number assigned to all members in the baseline sample (C4PATID) remains in this data file and is also included in the Performance Measurement data files distributed to the M+COs.

- Three questions about physical symptoms were removed from the 2003 HOS instrument. The first two questions concern general symptoms that were not useful for case mix adjustment. The third question significantly overlapped another question on sciatica.
 - *During the past 4 weeks, how much of the time have you had any of the following problems with your legs and feet? Ankles or legs that swell as the day goes on...* (R4ANKSWL)
 - *Do you now have acid indigestion or heartburn?* (R4ACDING)
 - *In the past 4 weeks, how often did you have pain, numbness or tingling that travels down your leg and below your knee?* (R4NUMBLG)
- Two questions on living in a retirement community were removed from the 2003 HOS instrument because NCQA determined that only a small number of respondents answered in the affirmative.
 - *Is this house or apartment in a retirement community, building or complex?* (R4RTRCOM)
 - *Does this retirement community/building/facility provide medical services?* (R4MDSVPV)
- Three Advising Smokers to Quit (ASTQ) questions were deleted from the 2003 HOS instrument because the ASTQ HEDIS[®] measure is calculated from responses to the Medicare CAHPS[®] survey, not from the HOS.¹⁶ The question about current smoking status (R4SMKFRQ, *Do you now smoke every day, some days, or not at all?*) remains in the HOS.
 - *Have you ever smoked at least 100 cigarettes in your entire life?* (R4SMK100)
 - *How long has it been since you quit smoking cigarettes?* (R4DRSQT)
 - *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?* (R4QSMKAD)

FIELD OVERVIEW

The following is a general description of fields included in the *Cohort IV* Performance Measurement data file. The fields are listed in the order they appear in the data file.

Plan Level Fields (Fields 1-11)

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 April 2004 CMS Monthly Report of Managed Care Health Plans (<http://cms.hhs.gov/healthplans/statistics/monthly/>). These fields include *Plan Contract Number* (#1), which was the unit of analysis for the *Cohort IV* Performance Measurement Report. Another important field in this group is *Plan State* (#8), which is the two letter state abbreviation as listed in the April 2004 CMS Monthly Report of Managed Care Health Plans. This was the state level unit of analysis for the *Cohort IV* Performance Measurement Report.

¹⁶ CAHPS[®] is a registered trademark of the Agency for Healthcare Research and Quality.

Survey Level Fields (Fields 12-207)

This section contains a randomly assigned, anonymous beneficiary identification number (#12) and survey information from the 57 questions comprising the HOS instrument for both baseline and follow up (excluding the name of the person responding to the survey, Q56, which is included in the beneficiary level fields section). Other than the anonymous beneficiary ID, 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, demographics, and who completed the survey (Q55). Beneficiary responses to the three Healthy Days questions and the four questions related to the management of urinary incontinence are also included for the follow up survey. 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.

Survey Administration Fields (Fields 208-218)

The fields that are presented in this section include the mode of survey administration, which indicates whether or not the beneficiary completed a baseline or follow up survey by mail or telephone (#208-209), the date the survey was completed (#210-213), and the language in which the survey was completed (#214-215). The original baseline and follow up survey date fields (C4ESVDAT and R4ESVDAT, respectively) were included for all beneficiaries with reported survey dates. For beneficiaries with missing survey dates, elapsed survey dates were imputed utilizing the mean survey date by vendor and mode of administration. This imputation process was used to generate the fields C4ESVDT2 and R4ESVDT2, which are equal to the original survey dates except in those instances where survey dates have been imputed due to missing data. The field C4ESVDT2, in combination with date of birth, was utilized to derive age. The section also includes the survey vendor at baseline and follow up (#216-217). The proxy status field (#218), which was assigned to members at follow up, identifies whether a member or a proxy completed the survey at baseline and at follow up. In addition, when a proxy is identified for both surveys, this field provides information about whether the proxy is the same or a different proxy when sufficient information is available.

SF-36[®] Summary Measures and Scale Scores (Fields 219-238)

The fields that are presented in this section include the unadjusted SF-36[®] summary measures and scale scores at baseline (#219-228) and follow up (#229-238). As described previously, the means and standard deviations used in scoring the SF-36[®] summary measures and scale scores came from the 1998 National Survey of Functional Health Status and utilized the "half-scale" rule for imputing scale scores for those with missing data.

Beneficiary Level Fields (Fields 239-275)

Data from this section are taken primarily from the member level record of the baseline and follow up data files. These data were obtained from the CMS Medicare Enrollment Database (EDB) at the time the sample files were created. The Health Insurance Claim (HIC) number (#239), which is a

unique identifier used to identify each beneficiary, is included in this section. The HIC number from the member level record at baseline is used except for the 665 beneficiaries whose HIC number had changed at follow up. For these beneficiaries, the HIC number at follow up is utilized. Beneficiary addresses (mailing address, county, state, and ZIP code) from both baseline and follow up are included in this section. Beneficiary race, gender, date of birth, and reason for entitlement from both baseline and follow up are also included in this section. The beneficiary's baseline date of birth (#257) was utilized to derive the beneficiary's age at baseline (#274). This age field was used in the HOS performance measurement analysis. The Performance Measurement sample distribution indicator field (#275) identifies respondents, non-respondents, as well as invalid, deceased, and disenrolled beneficiaries. Note that beneficiaries who disenrolled from the plan subsequent to completing the baseline survey are not included in the M+CO files; however, they are included in the calculation of the Performance Measurement results.

CAUTIONARY NOTES

- ◆ The HOS questionnaire contains multiple skip patterns. Caution should be exercised when examining selected questions that involve skip pattern responses. Please refer to Appendix B for additional information.
- ◆ Some demographic fields (birth year, race, and gender) were obtained from the CMS EDB at the time of sampling and also from the respondent provided survey data. Inconsistencies between these two data sources have been identified. Caution should be exercised when examining these fields.
- ◆ For the purpose of calculating Performance Measurement results, beneficiaries were considered dead if they died within two years of completing the baseline survey and did not complete a follow up survey. The *Performance Measurement Sample Distribution Indicator* (#275) can be used to identify the status of each beneficiary in this file.
- ◆ The new and excluded fields in the 2003 HOS instrument described above apply only to the follow up survey items contained in the *Cohort IV* Performance Measurement data file. Therefore, some question numbers from the *Cohort IV Follow Up* survey differ from the *Cohort IV Baseline* survey, as well as from previous Performance Measurement data files. Caution should be exercised when examining the data across multiple cohorts.

TECHNICAL ASSISTANCE

The Medicare HOS Information and Technical Support Telephone Line (1-888-880-0077), as well as the HOS e-mail address (hos@azqio.sdps.org), are available to provide assistance with report interpretation and data questions. Additionally, the Medicare HOS Web site provides general information on the project and responses to Frequently Asked Questions (<http://www.cms.hhs.gov/surveys/hos>).

Appendix A

Quality Assurance of the Data

DATA RECEIPT

The *Cohort IV Baseline* data were transmitted to HSAG from NCQA on September 17, 2001. The *Cohort IV Follow Up* data were transmitted to HSAG from NCQA on September 8, 2003. The data were received on CD-ROM containing individual ASCII flat files for each participating M+CO. The ASCII files contained plan, beneficiary, and survey information as specified in the HOS Manual.^{17,18}

DATA EVALUATION AND PROCESSING

After all of the individual files were imported using SAS^{®19} software and saved as unique SAS[®] data sets, they were appended to form a single HOS data file. To verify the presence of unique beneficiaries, the file was examined for duplicate HIC numbers. All fields in the data file were examined for consistency. All dates contained within the data file were verified to correspond to the appropriate range. Frequency distributions of all categorical fields as well as cross tabulations by vendor and mode of administration were performed to identify both out of range values and data shifts in value assignment. The survey fields such as survey disposition, round number, and survey language were assessed for accuracy and consistency. Finally, response consistency checks were performed to validate the integrity of the data. Throughout the data evaluation process, data issues were forwarded to NCQA on an ongoing basis for follow up and when appropriate, corrected data were incorporated into the data file.

An additional consistency check was performed which examined skip pattern violations. In many records, beneficiaries failed to correctly follow the skip patterns contained within the survey; however, no changes were made to any of the responses. **Caution should be exercised when examining data that utilize a skip pattern.**

Upon completion of the HOS data editing and cleaning process, the final data set was produced. This final data set served as the source for fields used in the performance measurement analysis and report.

¹⁷ National Committee for Quality Assurance. *HEDIS[®] 2001, Volume 6: Specifications for the Medicare Health Outcomes Survey*. Washington DC: NCQA Publication, 2001.

¹⁸ National Committee for Quality Assurance. *HEDIS[®] 2003, Volume 6: Specifications for the Medicare Health Outcomes Survey*. Washington DC: NCQA Publication, 2003.

¹⁹ SAS[®] is a registered trademark of the SAS Institute Inc., Cary, NC.

Appendix B

Performance Measurement Data File Specifications

DATA FILE LAYOUT BY POSITION

The following table describes the file layout by field position for the *Cohort IV* Performance Measurement data file. There are a total of 275 fields in the data file. The file is a SAS® data file and was generated using SAS® Version 8.2.

In addition to the field number, the field name/description, type, length, and additional information (including valid values) are provided. For the survey level items, the exact text of each question can be obtained by referring to the Medicare HOS Manuals.

FIELD #	FIELD NAME / DESCRIPTION	FIELD TYPE	FIELD LENGTH	ADDITIONAL INFORMATION AND VALID VALUES
1	<i>P4CNTRNM</i> Plan Contract Number at the time of the <i>Cohort IV</i> Performance Measurement reporting	Char	5	Plan contract number representing the beneficiary's plan assignment at the time of the <i>Cohort IV</i> Performance Measurement reporting in 2004. This was the plan level unit of analysis for the <i>Cohort IV</i> Performance Measurement Report.
2	<i>C4CNTRNM</i> <i>Cohort IV</i> Baseline Survey: Plan Contract Number	Char	5	Plan contract number representing the beneficiary's plan assignment at the time of the <i>Cohort IV</i> Baseline sampling in 2001
3	<i>R4CNTRNM</i> <i>Cohort IV</i> Follow Up Survey: Plan Contract Number	Char	5	Plan contract number representing the beneficiary's plan assignment at the time of the <i>Cohort IV</i> Follow Up sampling in 2003
4	<i>C4MARKET</i> <i>Cohort IV</i> Baseline Survey: Plan Market Area Indicator	Char	2	CMS market area indicator at the time of the <i>Cohort IV</i> Baseline sampling in 2001
5	<i>R4MARKET</i> <i>Cohort IV</i> Follow Up Survey: Plan Market Area Indicator	Char	2	CMS market area indicator at the time of the <i>Cohort IV</i> Follow Up sampling (not applicable in 2003)
6	<i>C4MANAME</i> <i>Cohort IV</i> Baseline Survey: Plan Market Area Name	Char	30	CMS market area name at the time of the <i>Cohort IV</i> Baseline sampling in 2001
7	<i>P4PLANNM</i> Plan Name	Char	50	Plan name from the April 2004 CMS Monthly Report of Managed Care Health Plans
8	<i>P4PLANST</i> Plan State	Char	2	Plan state designation from the April 2004 CMS Monthly Report of Managed Care Health Plans and was the state level unit of analysis for the <i>Cohort IV</i> Performance Measurement Report

FIELD #	FIELD NAME / DESCRIPTION	FIELD TYPE	FIELD LENGTH	ADDITIONAL INFORMATION AND VALID VALUES
9	P4PLMODL Plan Model	Char	5	Plan model from the April 2004 CMS Monthly Report of Managed Care Health Plans
10	P4PLTYPE Plan Type	Char	3	Plan type from the April 2004 CMS Monthly Report of Managed Care Health Plans
11	P4PLTXST Plan Tax Status	Char	3	Plan tax status from the April 2004 CMS Monthly Report of Managed Care Health Plans
12	C4PATID Cohort IV Baseline Survey: Anonymous Beneficiary ID	Num	8	Unique number assigned to each beneficiary in the <i>Cohort IV Baseline</i> sample. This ID will match the unique beneficiary ID in the <i>Cohort IV</i> Performance Measurement data files that were distributed to the M+COs.
13	C4GENHTH Cohort IV Baseline Survey: General Health Question (Q1)	Num	3	Beneficiary's response to Q1 from the <i>Cohort IV Baseline</i> survey: <i>In general, would you say your health is:</i> 1 = Excellent 2 = Very good 3 = Good 4 = Fair 5 = Poor
14	C4HTHTRN Cohort IV Baseline Survey: Health Transition Question (Q2)	Num	3	Beneficiary's response to Q2 from the <i>Cohort IV 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
15	C4VIGACT Cohort IV Baseline Survey: Vigorous Activities Question (Q3a)	Num	3	Beneficiary's response to Q3a from the <i>Cohort IV 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
16	C4MODACT Cohort IV Baseline Survey: Moderate Activities Question (Q3b)	Num	3	Beneficiary's response to Q3b from the <i>Cohort IV 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

FIELD #	FIELD NAME / DESCRIPTION	FIELD TYPE	FIELD LENGTH	ADDITIONAL INFORMATION AND VALID VALUES
17	<i>C4LIFT</i> <i>Cohort IV Baseline Survey:</i> Lifting Groceries Question (Q3c)	Num	3	Beneficiary's response to Q3c from the <i>Cohort IV 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
18	<i>C4CLMBSV</i> <i>Cohort IV Baseline Survey:</i> Climbing Several Flights of Stairs Question (Q3d)	Num	3	Beneficiary's response to Q3d from the <i>Cohort IV 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
19	<i>C4CLMBON</i> <i>Cohort IV Baseline Survey:</i> Climbing One Flight of Stairs Question (Q3e)	Num	3	Beneficiary's response to Q3e from the <i>Cohort IV 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
20	<i>C4BEND</i> <i>Cohort IV Baseline Survey:</i> Bending, Kneeling, or Stooping Question (Q3f)	Num	3	Beneficiary's response to Q3f from the <i>Cohort IV 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
21	<i>C4WLKMI</i> <i>Cohort IV Baseline Survey:</i> Walking More than a Mile Question (Q3g)	Num	3	Beneficiary's response to Q3g from the <i>Cohort IV 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
22	<i>C4WLKBKS</i> <i>Cohort IV Baseline Survey:</i> Walking Several Blocks Question (Q3h)	Num	3	Beneficiary's response to Q3h from the <i>Cohort IV 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

FIELD #	FIELD NAME / DESCRIPTION	FIELD TYPE	FIELD LENGTH	ADDITIONAL INFORMATION AND VALID VALUES
23	<i>C4WLK1BK</i> <i>Cohort IV Baseline Survey:</i> Walking One Block Question (Q3i)	Num	3	Beneficiary's response to Q3i from the <i>Cohort IV 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
24	<i>C4BATHDR</i> <i>Cohort IV Baseline Survey:</i> Bathing and Dressing Question (Q3j)	Num	3	Beneficiary's response to Q3j from the <i>Cohort IV 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
25	<i>C4PCUTTM</i> <i>Cohort IV Baseline Survey:</i> Physical Health Limiting Time Spent on Activities Question (Q4a)	Num	3	Beneficiary's response to Q4a from the <i>Cohort IV 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>Cut down on the amount of time you spent on work or other activities</u> 1 = Yes 2 = No
26	<i>C4PACMPL</i> <i>Cohort IV Baseline Survey:</i> Physical Health Limiting Amount Accomplished Question (Q4b)	Num	3	Beneficiary's response to Q4b from the <i>Cohort IV 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
27	<i>C4PLMTKW</i> <i>Cohort IV Baseline Survey:</i> Physical Health Limiting the Kind of Activities Question (Q4c)	Num	3	Beneficiary's response to Q4c from the <i>Cohort IV 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>Were limited in the kind of work or other activities</u> 1 = Yes 2 = No

FIELD #	FIELD NAME / DESCRIPTION	FIELD TYPE	FIELD LENGTH	ADDITIONAL INFORMATION AND VALID VALUES
28	<i>C4PDIFWK</i> Cohort IV Baseline Survey: Physical Health Causing Difficulty Performing Activities Question (Q4d)	Num	3	Beneficiary's response to Q4d from the Cohort IV Baseline 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>Had difficulty performing the work or other activities</u> 1 = Yes 2 = No
29	<i>C4ECUTTM</i> Cohort IV Baseline Survey: Emotional Problems Limiting Time Spent on Activities Question (Q5a)	Num	3	Beneficiary's response to Q5a from the Cohort IV Baseline 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>Cut down on the amount of time you spent on work or other activities</u> 1 = Yes 2 = No
30	<i>C4EACMPL</i> Cohort IV Baseline Survey: Emotional Problems Limiting Amount Accomplished Question (Q5b)	Num	3	Beneficiary's response to Q5b from the Cohort IV Baseline 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
31	<i>C4ENTCRF</i> Cohort IV Baseline Survey: Emotional Problems Limiting Carefulness Question (Q5c)	Num	3	Beneficiary's response to Q5c from the Cohort IV Baseline 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>Didn't do work or other activities as carefully as usual</u> 1 = Yes 2 = No
32	<i>C4SOCLMT</i> Cohort IV Baseline Survey: Extent Health Interfering with Social Activities Question (Q6)	Num	3	Beneficiary's response to Q6 from the Cohort IV Baseline survey: <i>During the past 4 weeks, to what extent has your physical health or emotional problems interfered with your normal social activities with family, friends, neighbors, or groups?</i> 1 = Not at all 2 = Slightly 3 = Moderately 4 = Quite a bit 5 = Extremely

FIELD #	FIELD NAME / DESCRIPTION	FIELD TYPE	FIELD LENGTH	ADDITIONAL INFORMATION AND VALID VALUES
33	<i>C4PNMAGT</i> Cohort IV Baseline Survey: Bodily Pain Question (Q7)	Num	3	Beneficiary's response to Q7 from the Cohort IV Baseline 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
34	<i>C4PNINTF</i> Cohort IV Baseline Survey: Pain Interfering with Work Question (Q8)	Num	3	Beneficiary's response to Q8 from the Cohort IV Baseline 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
35	<i>C4FULPEP</i> Cohort IV Baseline Survey: Full of Pep Question (Q9a)	Num	3	Beneficiary's response to Q9a from the Cohort IV Baseline 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
36	<i>C4NERVS</i> Cohort IV Baseline Survey: Nervous Question (Q9b)	Num	3	Beneficiary's response to Q9b from the Cohort IV Baseline 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
37	<i>C4DNDMPS</i> Cohort IV Baseline Survey: Down in the Dumps Question (Q9c)	Num	3	Beneficiary's response to Q9c from the Cohort IV Baseline 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

FIELD #	FIELD NAME / DESCRIPTION	FIELD TYPE	FIELD LENGTH	ADDITIONAL INFORMATION AND VALID VALUES
38	<i>C4PCEFUL</i> <i>Cohort IV Baseline Survey:</i> Calm and Peaceful Question (Q9d)	Num	3	Beneficiary's response to Q9d from the <i>Cohort IV 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
39	<i>C4ENERGY</i> <i>Cohort IV Baseline Survey:</i> Lots of Energy Question (Q9e)	Num	3	Beneficiary's response to Q9e from the <i>Cohort IV 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
40	<i>C4BLSAD</i> <i>Cohort IV Baseline Survey:</i> Downhearted and Blue Question (Q9f)	Num	3	Beneficiary's response to Q9f from the <i>Cohort IV 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
41	<i>C4WRNOUT</i> <i>Cohort IV Baseline Survey:</i> Feeling Worn Out Question (Q9g)	Num	3	Beneficiary's response to Q9g from the <i>Cohort IV 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

FIELD #	FIELD NAME / DESCRIPTION	FIELD TYPE	FIELD LENGTH	ADDITIONAL INFORMATION AND VALID VALUES
42	<i>C4HAPPY</i> Cohort IV Baseline Survey: Happy Question (Q9h)	Num	3	Beneficiary's response to Q9h from the Cohort IV Baseline 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
43	<i>C4TIRED</i> Cohort IV Baseline Survey: Feeling Tired Question (Q9i)	Num	3	Beneficiary's response to Q9i from the Cohort IV Baseline 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
44	<i>C4SCLACT</i> Cohort IV Baseline Survey: Amount of Time Health Interfering with Social Activities Question (Q10)	Num	3	Beneficiary's response to Q10 from the Cohort IV Baseline survey: <i>During the past 4 weeks, how much of the time has your physical health or emotional problems interfered with your social activities (like visiting with friends, relatives, etc.)?</i> 1 = All of the time 2 = Most of the time 3 = Some of the time 4 = A little of the time 5 = None of the time
45	<i>C4SCKESY</i> Cohort IV Baseline Survey: Sick Easier Question (Q11a)	Num	3	Beneficiary's response to Q11a from the Cohort IV Baseline survey: <i>How true or false is each of the following statements for you?</i> <u>I seem to get sick a little easier than other people</u> 1 = Definitely true 2 = Mostly true 3 = Don't know 4 = Mostly false 5 = Definitely false

FIELD #	FIELD NAME / DESCRIPTION	FIELD TYPE	FIELD LENGTH	ADDITIONAL INFORMATION AND VALID VALUES
46	<i>C4ASHLTH</i> Cohort IV Baseline Survey: As Healthy Question (Q11b)	Num	3	Beneficiary's response to Q11b from the Cohort IV Baseline 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
47	<i>C4HTHWSE</i> Cohort IV Baseline Survey: Future Health Question (Q11c)	Num	3	Beneficiary's response to Q11c from the Cohort IV Baseline 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
48	<i>C4HTHEXT</i> Cohort IV Baseline Survey: Excellent Health Question (Q11d)	Num	3	Beneficiary's response to Q11d from the Cohort IV Baseline 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
49	<i>C4DIFBTH</i> Cohort IV Baseline Survey: Bathing Question (Q12a)	Num	3	Beneficiary's response to Q12a from the Cohort IV Baseline 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
50	<i>C4DIFDRS</i> Cohort IV Baseline Survey: Dressing Question (Q12b)	Num	3	Beneficiary's response to Q12b from the Cohort IV Baseline 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

FIELD #	FIELD NAME / DESCRIPTION	FIELD TYPE	FIELD LENGTH	ADDITIONAL INFORMATION AND VALID VALUES
51	C4DIFEAT Cohort IV Baseline Survey: Eating Question (Q12c)	Num	3	Beneficiary's response to Q12c from the Cohort IV Baseline 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
52	C4DIFCHR Cohort IV Baseline Survey: Getting In or Out of Chairs Question (Q12d)	Num	3	Beneficiary's response to Q12d from the Cohort IV Baseline 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
53	C4DIFWLK Cohort IV Baseline Survey: Walking Question (Q12e)	Num	3	Beneficiary's response to Q12e from the Cohort IV Baseline 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
54	C4DIFTOL Cohort IV Baseline Survey: Using the Toilet Question (Q12f)	Num	3	Beneficiary's response to Q12f from the Cohort IV Baseline 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
55	C4CPNEXR Cohort IV Baseline Survey: Chest Pain or Pressure During Exercise Question (Q13a)	Num	3	Beneficiary's response to Q13a from the Cohort IV Baseline 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

FIELD #	FIELD NAME / DESCRIPTION	FIELD TYPE	FIELD LENGTH	ADDITIONAL INFORMATION AND VALID VALUES
56	<i>C4CPNRST</i> Cohort IV Baseline Survey: Chest Pain or Pressure When Resting Question (Q13b)	Num	3	Beneficiary's response to Q13b from the Cohort IV Baseline 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
57	<i>C4SOBFLT</i> Cohort IV Baseline Survey: Shortness of Breath When Lying Flat Question (Q14a)	Num	3	Beneficiary's response to Q14a from the Cohort IV Baseline 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
58	<i>C4SOBSIT</i> Cohort IV Baseline Survey: Shortness of Breath When Sitting or Resting Question (Q14b)	Num	3	Beneficiary's response to Q14b from the Cohort IV Baseline 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
59	<i>C4SOBWLK</i> Cohort IV Baseline Survey: Shortness of Breath When Walking Less than One Block Question (Q14c)	Num	3	Beneficiary's response to Q14c from the Cohort IV Baseline 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

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60	<i>C4SOBSTR</i> Cohort IV Baseline Survey: Shortness of Breath When Climbing One Flight of Stairs Question (Q14d)	Num	3	Beneficiary's response to Q14d from the Cohort IV Baseline 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
61	<i>C4NMBFET</i> Cohort IV Baseline Survey: Numbness in Feet Question (Q15a)	Num	3	Beneficiary's response to Q15a from the Cohort IV Baseline 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
62	<i>C4ANKSWL</i> Cohort IV Baseline Survey: Ankle or Leg Edema Question (Q15b)	Num	3	Beneficiary's response to Q15b from the Cohort IV Baseline 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 or 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
63	<i>C4TINGFT</i> Cohort IV Baseline Survey: Foot Tingling or Burning Question (Q15c)	Num	3	Beneficiary's response to Q15c from the Cohort IV Baseline 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

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64	C4DECSNS Cohort IV Baseline Survey: Decreased Temperature Sensation in Feet Question (Q15d)	Num	3	Beneficiary's response to Q15d from the Cohort IV Baseline 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
65	C4DECHEL Cohort IV Baseline Survey: Sores or Wounds on Feet Question (Q15e)	Num	3	Beneficiary's response to Q15e from the Cohort IV Baseline 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>Sores or wounds on your feet that did not heal</u> 1 = All of the time 2 = Most of the time 3 = Some of the time 4 = A little of the time 5 = None of the time
66	C4PARLYS Cohort IV Baseline Survey: Paralysis or Weakness Question (Q16a)	Num	3	Beneficiary's response to Q16a from the Cohort IV Baseline 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
67	C4LSTTLK Cohort IV Baseline Survey: Lost Ability to Talk Question (Q16b)	Num	3	Beneficiary's response to Q16b from the Cohort IV Baseline survey: <i>Have you ever lost the ability to talk?</i> 1 = Yes, I have lost it 2 = Yes, but it returned 3 = No
68	C4RDNEWP Cohort IV Baseline Survey: Vision Question (Q17)	Num	3	Beneficiary's response to Q17 from the Cohort IV Baseline survey: <i>Can you see well enough to read newspaper print (with your glasses or contacts if that's how you see best)?</i> 1 = Yes 2 = No
69	C4HRMOST Cohort IV Baseline Survey: Hearing Question (Q18)	Num	3	Beneficiary's response to Q18 from the Cohort IV Baseline survey: <i>Can you hear most of the things people say (with a hearing aid if that's how you hear best)?</i> 1 = Yes 2 = No

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70	<i>C4ACDING</i> <i>Cohort IV Baseline Survey:</i> Acid Indigestion Question (Q19)	Num	3	Beneficiary's response to Q19 from the <i>Cohort IV Baseline</i> survey: <i>Do you now have acid indigestion or heartburn?</i> 1 = Yes 2 = No
71	<i>C4CTRURN</i> <i>Cohort IV Baseline Survey:</i> Difficulty Controlling Urination Question (Q20)	Num	3	Beneficiary's response to Q20 from the <i>Cohort IV Baseline</i> survey: <i>Do you have difficulty controlling urination?</i> 1 = Yes 2 = No
72	<i>C4HIGHBP</i> <i>Cohort IV Baseline Survey:</i> Hypertension Question (Q21)	Num	3	Beneficiary's response to Q21 from the <i>Cohort IV 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
73	<i>C4ANGCAD</i> <i>Cohort IV Baseline Survey:</i> Angina or Coronary Artery Disease Question (Q22)	Num	3	Beneficiary's response to Q22 from the <i>Cohort IV 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
74	<i>C4CHF</i> <i>Cohort IV Baseline Survey:</i> Congestive Heart Failure Question (Q23)	Num	3	Beneficiary's response to Q23 from the <i>Cohort IV Baseline</i> survey: <i>Has a doctor ever told you that you had:</i> <u>Congestive heart failure</u> 1 = Yes 2 = No
75	<i>C4AMI</i> <i>Cohort IV Baseline Survey:</i> Myocardial Infarction Question (Q24)	Num	3	Beneficiary's response to Q24 from the <i>Cohort IV 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
76	<i>C4OTHHRT</i> <i>Cohort IV Baseline Survey:</i> Other Heart Conditions Question (Q25)	Num	3	Beneficiary's response to Q25 from the <i>Cohort IV Baseline</i> survey: <i>Has a doctor ever told you that you had:</i> <u>Other heart conditions, such as problems with heart valves or the rhythm of your heartbeat</u> 1 = Yes 2 = No
77	<i>C4STROKE</i> <i>Cohort IV Baseline Survey:</i> Stroke Question (Q26)	Num	3	Beneficiary's response to Q26 from the <i>Cohort IV Baseline</i> survey: <i>Has a doctor ever told you that you had:</i> <u>A stroke</u> 1 = Yes 2 = No

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78	<i>C4COPD_E</i> Cohort IV Baseline Survey: COPD Question (Q27)	Num	3	Beneficiary's response to Q27 from the Cohort IV Baseline survey: <i>Has a doctor ever told you that you had:</i> <u>Emphysema, asthma, or COPD</u> 1 = Yes 2 = No
79	<i>C4GI_ETC</i> Cohort IV Baseline Survey: Inflammatory Bowel Disease Question (Q28)	Num	3	Beneficiary's response to Q28 from the Cohort IV Baseline survey: <i>Has a doctor ever told you that you had:</i> <u>Crohn's disease, ulcerative colitis, or inflammatory bowel disease</u> 1 = Yes 2 = No
80	<i>C4ATHHIP</i> Cohort IV Baseline Survey: Arthritis of Hip or Knee Question (Q29)	Num	3	Beneficiary's response to Q29 from the Cohort IV Baseline survey: <i>Has a doctor ever told you that you had:</i> <u>Arthritis of the hip or knee</u> 1 = Yes 2 = No
81	<i>C4ATHHAN</i> Cohort IV Baseline Survey: Arthritis of Hand or Wrist Question (Q30)	Num	3	Beneficiary's response to Q30 from the Cohort IV Baseline survey: <i>Has a doctor ever told you that you had:</i> <u>Arthritis of the hand or wrist</u> 1 = Yes 2 = No
82	<i>C4SCIATC</i> Cohort IV Baseline Survey: Sciatica Question (Q31)	Num	3	Beneficiary's response to Q31 from the Cohort IV Baseline survey: <i>Has a doctor ever told you that you had:</i> <u>Sciatica</u> 1 = Yes 2 = No
83	<i>C4DIABET</i> Cohort IV Baseline Survey: Diabetes Question (Q32)	Num	3	Beneficiary's response to Q32 from the Cohort IV Baseline survey: <i>Has a doctor ever told you that you had:</i> <u>Diabetes, high blood sugar, or sugar in the urine</u> 1 = Yes 2 = No
84	<i>C4ANYCAN</i> Cohort IV Baseline Survey: Any Cancer Question (Q33)	Num	3	Beneficiary's response to Q33 from the Cohort IV Baseline survey: <i>Has a doctor ever told you that you had:</i> <u>Any cancer (other than skin cancer)</u> 1 = Yes 2 = No

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85	<i>C4ARTHPN</i> Cohort IV Baseline Survey: Arthritis Pain Question (Q34)	Num	3	Beneficiary's response to Q34 from the Cohort IV Baseline survey: <i>If you answered "yes" to questions 29 or 30 above (that you have arthritis), 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
86	<i>C4COLNCA</i> Cohort IV Baseline Survey: Colorectal Cancer Treatment Question (Q35a)	Num	3	Beneficiary's response to Q35a from the Cohort IV Baseline survey: <i>If you answered "yes" to question 33 above (that you had cancer), Are you currently under treatment for:</i> <u>Colon or rectal cancer</u> 1 = Yes 2 = No
87	<i>C4LUNGCA</i> Cohort IV Baseline Survey: Lung Cancer Treatment Question (Q35b)	Num	3	Beneficiary's response to Q35b from the Cohort IV Baseline survey: <i>If you answered "yes" to question 33 above (that you had cancer), Are you currently under treatment for:</i> <u>Lung cancer</u> 1 = Yes 2 = No
88	<i>C4BRSTCA</i> Cohort IV Baseline Survey: Breast Cancer Treatment Question (Q35c)	Num	3	Beneficiary's response to Q35c from the Cohort IV Baseline survey: <i>If you answered "yes" to question 33 above (that you had cancer), Are you currently under treatment for:</i> <u>Breast cancer</u> 1 = Yes 2 = No
89	<i>C4PROSCA</i> Cohort IV Baseline Survey: Prostate Cancer Treatment Question (Q35d)	Num	3	Beneficiary's response to Q35d from the Cohort IV Baseline survey: <i>If you answered "yes" to question 33 above (that you had cancer), Are you currently under treatment for:</i> <u>Prostate cancer</u> 1 = Yes 2 = No

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90	C4BACKPN Cohort IV Baseline Survey: Low Back Pain Question (Q36)	Num	3	Beneficiary's response to Q36 from the Cohort IV Baseline 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
91	C4NUMBLG Cohort IV Baseline Survey: Pain, Numbness, Tingling Down Leg Question (Q37)	Num	3	Beneficiary's response to Q37 from the Cohort IV Baseline 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
92	C4FELTSD Cohort IV Baseline Survey: Two Weeks of Depression Question (Q38)	Num	3	Beneficiary's response to Q38 from the Cohort IV Baseline 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
93	C4DEPMCH Cohort IV Baseline Survey: Depression Much of the Time Question (Q39)	Num	3	Beneficiary's response to Q39 from the Cohort IV Baseline survey: <i>In the past year, have you felt depressed or sad much of the time?</i> 1 = Yes 2 = No
94	C4DEP2YR Cohort IV Baseline Survey: Depression Most of the Time Question (Q40)	Num	3	Beneficiary's response to Q40 from the Cohort IV Baseline 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

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95	C4CMPHTH Cohort IV Baseline Survey: Comparative Health Question (Q41)	Num	3	Beneficiary's response to Q41 from the Cohort IV Baseline 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
96	C4SMK100 Cohort IV Baseline Survey: Smoked 100 Cigarettes Question (Q42)	Num	3	Beneficiary's response to Q42 from the Cohort IV Baseline survey: <i>Have you ever smoked at least 100 cigarettes in your entire life?</i> 1 = Yes (Go to Q43) 2 = No (Go to Q46) 3 = Don't know (Go to Q46)
97	C4SMKFRQ Cohort IV Baseline Survey: Current Smoker Question (Q43)	Num	3	Beneficiary's response to Q43 from the Cohort IV Baseline survey: <i>Do you now smoke every day, some days, or not at all?</i> 1 = Every day (Go to Q45) 2 = Some days (Go to Q45) 3 = Not at all (Go to Q44) 4 = Don't know (Go to Q46)
98	C4DRSQT Cohort IV Baseline Survey: Quit Smoking Question (Q44)	Num	3	Beneficiary's response to Q44 from the Cohort IV Baseline survey: <i>How long has it been since you quit smoking cigarettes?</i> 1 = Less than 6 months (Go to Q45) 2 = 6 months or more (Go to Q46) 3 = Don't know (Go to Q46)
99	C4QSMKAD Cohort IV Baseline Survey: Smoking Advice Question (Q45)	Num	3	Beneficiary's response to Q45 from the Cohort IV Baseline 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
100	C4BRTHYR Cohort IV Baseline Survey: Survey Reported Year of Birth Question (Q46)	Char	4	Beneficiary's response to Q46 from the Cohort IV Baseline survey: <i>In what year were you born?</i>
101	C4SV_GND Cohort IV Baseline Survey: Survey Reported Gender Question (Q47)	Num	3	Beneficiary's response to Q47 from the Cohort IV Baseline survey: <i>Are you male or female?</i> 1 = Male 2 = Female

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102	<i>C4HISPAN</i> Cohort IV Baseline Survey: Hispanic Question (Q48)	Num	3	Beneficiary's response to Q48 from the Cohort IV Baseline survey: <i>Are you of Hispanic or Spanish family background?</i> 1 = Yes 2 = No
103	<i>C4SV_RAC</i> Cohort IV Baseline Survey: Survey Reported Race Question (Q49)	Num	3	Beneficiary's response to Q49 from the Cohort IV Baseline 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
104	<i>C4MARITL</i> Cohort IV Baseline Survey: Marital Status Question (Q50)	Num	3	Beneficiary's response to Q50 from the Cohort IV Baseline survey: <i>What is your current marital status?</i> 1 = Married 2 = Divorced 3 = Separated 4 = Widowed 5 = Never married
105	<i>C4EDUC</i> Cohort IV Baseline Survey: Education Question (Q51)	Num	3	Beneficiary's response to Q51 from the Cohort IV Baseline 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 degree 5 = 4 year college graduate 6 = More than a 4 year college degree
106	<i>C4HMOWN</i> Cohort IV Baseline Survey: Housing Question (Q52)	Num	3	Beneficiary's response to Q52 from the Cohort IV Baseline 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 5 = None of the above
107	<i>C4RTRCOM</i> Cohort IV Baseline Survey: Retirement Community Question (Q53)	Num	3	Beneficiary's response to Q53 from the Cohort IV Baseline survey: <i>Is this house or apartment in a retirement community, building or complex?</i> 1 = Yes 2 = No

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108	<i>C4MDSVPV</i> <i>Cohort IV Baseline Survey:</i> Retirement Community Medical Services Question (Q54)	Num	3	Beneficiary's response to Q54 from the <i>Cohort IV Baseline</i> survey: <i>If you answered "yes" to question 53 above,</i> <i>Does this retirement community/building/facility provide medical services?</i> 1 = Yes 2 = No
109	<i>C4WHOCMP</i> <i>Cohort IV Baseline Survey:</i> Who Completed this Survey Question (Q55)	Num	3	Beneficiary's response to Q55 from the <i>Cohort IV 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
110	<i>C4HHINC</i> <i>Cohort IV Baseline Survey:</i> Annual Household Income Question (Q57)	Num	3	Beneficiary's response to Q57 from the <i>Cohort IV 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
111	<i>R4GENHTH</i> <i>Cohort IV Follow Up Survey:</i> General Health Question (Q1)	Num	3	Beneficiary's response to Q1 from the <i>Cohort IV 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
112	<i>R4HTHTRN</i> <i>Cohort IV Follow Up Survey:</i> Health Transition Question (Q2)	Num	3	Beneficiary's response to Q2 from the <i>Cohort IV 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 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

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113	<i>R4VIGACT</i> <i>Cohort IV Follow Up Survey:</i> Vigorous Activities Question (Q3a)	Num	3	Beneficiary's response to Q3a from the <i>Cohort IV 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
114	<i>R4MODACT</i> <i>Cohort IV Follow Up Survey:</i> Moderate Activities Question (Q3b)	Num	3	Beneficiary's response to Q3b from the <i>Cohort IV 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
115	<i>R4LIFT</i> <i>Cohort IV Follow Up Survey:</i> Lifting Groceries Question (Q3c)	Num	3	Beneficiary's response to Q3c from the <i>Cohort IV 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
116	<i>R4CLMBSV</i> <i>Cohort IV Follow Up Survey:</i> Climbing Several Flights of Stairs Question (Q3d)	Num	3	Beneficiary's response to Q3d from the <i>Cohort IV 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
117	<i>R4CLMBON</i> <i>Cohort IV Follow Up Survey:</i> Climbing One Flight of Stairs Question (Q3e)	Num	3	Beneficiary's response to Q3e from the <i>Cohort IV 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
118	<i>R4BEND</i> <i>Cohort IV Follow Up Survey:</i> Bending, Kneeling, or Stooping Question (Q3f)	Num	3	Beneficiary's response to Q3f from the <i>Cohort IV 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

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119	<i>R4WLKMI</i> <i>Cohort IV Follow Up Survey:</i> Walking More than a Mile Question (Q3g)	Num	3	Beneficiary's response to Q3g from the <i>Cohort IV 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
120	<i>R4WLKBKS</i> <i>Cohort IV Follow Up Survey:</i> Walking Several Blocks Question (Q3h)	Num	3	Beneficiary's response to Q3h from the <i>Cohort IV 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
121	<i>R4WLK1BK</i> <i>Cohort IV Follow Up Survey:</i> Walking One Block Question (Q3i)	Num	3	Beneficiary's response to Q3i from the <i>Cohort IV 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
122	<i>R4BATHDR</i> <i>Cohort IV Follow Up Survey:</i> Bathing and Dressing Question (Q3j)	Num	3	Beneficiary's response to Q3j from the <i>Cohort IV 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
123	<i>R4PCUTTM</i> <i>Cohort IV Follow Up Survey:</i> Physical Health Limiting Time Spent on Activities Question (Q4a)	Num	3	Beneficiary's response to Q4a from the <i>Cohort IV 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>Cut down on the amount of time you spent on work or other activities</u> 1 = Yes 2 = No
124	<i>R4PACMPL</i> <i>Cohort IV Follow Up Survey:</i> Physical Health Limiting Amount Accomplished Question (Q4b)	Num	3	Beneficiary's response to Q4b from the <i>Cohort IV 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

FIELD #	FIELD NAME / DESCRIPTION	FIELD TYPE	FIELD LENGTH	ADDITIONAL INFORMATION AND VALID VALUES
125	<i>R4PLMTKW</i> Cohort IV Follow Up Survey: Physical Health Limiting the Kind of Activities Question (Q4c)	Num	3	Beneficiary's response to Q4c from the Cohort IV Follow Up 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>Were limited in the kind of work or other activities</u> 1 = Yes 2 = No
126	<i>R4PDIFWK</i> Cohort IV Follow Up Survey: Physical Health Causing Difficulty Performing Activities Question (Q4d)	Num	3	Beneficiary's response to Q4d from the Cohort IV Follow Up 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>Had difficulty performing the work or other activities</u> 1 = Yes 2 = No
127	<i>R4ECUTTM</i> Cohort IV Follow Up Survey: Emotional Problems Limiting Time Spent on Activities Question (Q5a)	Num	3	Beneficiary's response to Q5a from the Cohort IV Follow Up 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>Cut down on the amount of time you spent on work or other activities</u> 1 = Yes 2 = No
128	<i>R4EACMPL</i> Cohort IV Follow Up Survey: Emotional Problems Limiting Amount Accomplished Question (Q5b)	Num	3	Beneficiary's response to Q5b from the Cohort IV Follow Up 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
129	<i>R4ENTCRF</i> Cohort IV Follow Up Survey: Emotional Problems Limiting Carefulness Question (Q5c)	Num	3	Beneficiary's response to Q5c from the Cohort IV Follow Up 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>Didn't do work or other activities as carefully as usual</u> 1 = Yes 2 = No

FIELD #	FIELD NAME / DESCRIPTION	FIELD TYPE	FIELD LENGTH	ADDITIONAL INFORMATION AND VALID VALUES
130	<i>R4SOCLMT</i> Cohort IV Follow Up Survey: Extent Health Interfering with Social Activities Question (Q6)	Num	3	Beneficiary's response to Q6 from the Cohort IV Follow Up survey: <i>During the past 4 weeks, to what extent has your physical health or emotional problems interfered with your normal social activities with family, friends, neighbors, or groups?</i> 1 = Not at all 2 = Slightly 3 = Moderately 4 = Quite a bit 5 = Extremely
131	<i>R4PNMAGT</i> Cohort IV Follow Up Survey: Bodily Pain Question (Q7)	Num	3	Beneficiary's response to Q7 from the Cohort IV Follow Up 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
132	<i>R4PNINTF</i> Cohort IV Follow Up Survey: Pain Interfering with Work Question (Q8)	Num	3	Beneficiary's response to Q8 from the Cohort IV Follow Up 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
133	<i>R4FULPEP</i> Cohort IV Follow Up Survey: Full of Pep Question (Q9a)	Num	3	Beneficiary's response to Q9a from the Cohort IV Follow Up 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
134	<i>R4NERVS</i> Cohort IV Follow Up Survey: Nervous Question (Q9b)	Num	3	Beneficiary's response to Q9b from the Cohort IV Follow Up 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

FIELD #	FIELD NAME / DESCRIPTION	FIELD TYPE	FIELD LENGTH	ADDITIONAL INFORMATION AND VALID VALUES
135	<i>R4DNDMPS</i> <i>Cohort IV Follow Up Survey:</i> Down in the Dumps Question (Q9c)	Num	3	Beneficiary's response to Q9c from the <i>Cohort IV 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
136	<i>R4PCEFUL</i> <i>Cohort IV Follow Up Survey:</i> Calm and Peaceful Question (Q9d)	Num	3	Beneficiary's response to Q9d from the <i>Cohort IV 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
137	<i>R4ENERGY</i> <i>Cohort IV Follow Up Survey:</i> Lots of Energy Question (Q9e)	Num	3	Beneficiary's response to Q9e from the <i>Cohort IV 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
138	<i>R4BLSAD</i> <i>Cohort IV Follow Up Survey:</i> Downhearted and Blue Question (Q9f)	Num	3	Beneficiary's response to Q9f from the <i>Cohort IV 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

FIELD #	FIELD NAME / DESCRIPTION	FIELD TYPE	FIELD LENGTH	ADDITIONAL INFORMATION AND VALID VALUES
139	<i>R4WRNOUT</i> Cohort IV Follow Up Survey: Feeling Worn Out Question (Q9g)	Num	3	Beneficiary's response to Q9g from the Cohort IV Follow Up 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
140	<i>R4HAPPY</i> Cohort IV Follow Up Survey: Happy Question (Q9h)	Num	3	Beneficiary's response to Q9h from the Cohort IV Follow Up 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
141	<i>R4TIRED</i> Cohort IV Follow Up Survey: Feeling Tired Question (Q9i)	Num	3	Beneficiary's response to Q9i from the Cohort IV Follow Up 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
142	<i>R4SCLACT</i> Cohort IV Follow Up Survey: Amount of Time Health Interfering with Social Activities Question (Q10)	Num	3	Beneficiary's response to Q10 from the Cohort IV Follow Up survey: <i>During the past 4 weeks, how much of the time has your physical health or emotional problems interfered with your social activities (like visiting with friends, relatives, etc.)?</i> 1 = All of the time 2 = Most of the time 3 = Some of the time 4 = A little of the time 5 = None of the time

FIELD #	FIELD NAME / DESCRIPTION	FIELD TYPE	FIELD LENGTH	ADDITIONAL INFORMATION AND VALID VALUES
143	R4SCKESY Cohort IV Follow Up Survey: Sick Easier Question (Q11a)	Num	3	Beneficiary's response to Q11a from the Cohort IV Follow Up survey: <i>How true or false is each of the following statements for you?</i> <u>I seem to get sick a little easier than other people</u> 1 = Definitely true 2 = Mostly true 3 = Don't know 4 = Mostly false 5 = Definitely false
144	R4ASHLTH Cohort IV Follow Up Survey: As Healthy Question (Q11b)	Num	3	Beneficiary's response to Q11b from the Cohort IV Follow Up 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
145	R4HTHWSE Cohort IV Follow Up Survey: Future Health Question (Q11c)	Num	3	Beneficiary's response to Q11c from the Cohort IV Follow Up 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
146	R4HTEXT Cohort IV Follow Up Survey: Excellent Health Question (Q11d)	Num	3	Beneficiary's response to Q11d from the Cohort IV Follow Up 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
147	R4DIFBTH Cohort IV Follow Up Survey: Bathing Question (Q12a)	Num	3	Beneficiary's response to Q12a from the Cohort IV Follow Up 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

FIELD #	FIELD NAME / DESCRIPTION	FIELD TYPE	FIELD LENGTH	ADDITIONAL INFORMATION AND VALID VALUES
148	R4DIFDRS Cohort IV Follow Up Survey: Dressing Question (Q12b)	Num	3	Beneficiary's response to Q12b from the Cohort IV Follow Up 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
149	R4DIFEAT Cohort IV Follow Up Survey: Eating Question (Q12c)	Num	3	Beneficiary's response to Q12c from the Cohort IV Follow Up 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
150	R4DIFCHR Cohort IV Follow Up Survey: Getting In or Out of Chairs Question (Q12d)	Num	3	Beneficiary's response to Q12d from the Cohort IV Follow Up 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
151	R4DIFWLK Cohort IV Follow Up Survey: Walking Question (Q12e)	Num	3	Beneficiary's response to Q12e from the Cohort IV Follow Up 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
152	R4DIFTOL Cohort IV Follow Up Survey: Using the Toilet Question (Q12f)	Num	3	Beneficiary's response to Q12f from the Cohort IV Follow Up 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

FIELD #	FIELD NAME / DESCRIPTION	FIELD TYPE	FIELD LENGTH	ADDITIONAL INFORMATION AND VALID VALUES
153	<i>R4PHYHTH</i> Cohort IV Follow Up Survey: Number of Days Physical Health Not Good (Q13)	Char	2	Beneficiary's response to Q13 from the <i>Cohort IV Follow Up</i> survey: <i>Now, thinking about your physical health, which includes physical illness and injury, for how many days during the past 30 days was your physical health not good?</i>
154	<i>R4MENHTH</i> Cohort IV Follow Up Survey: Number of Days Mental Health Not Good (Q14)	Char	2	Beneficiary's response to Q14 from the <i>Cohort IV Follow Up</i> survey: <i>Now, thinking about your mental health, which includes stress, depression, and problems with emotions, for how many days during the past 30 days was your mental health not good?</i>
155	<i>R4PORHTH</i> Cohort IV Follow Up Survey: Number of Days Health Interfered with Daily Activities (Q15)	Char	2	Beneficiary's response to Q15 from the <i>Cohort IV Follow Up</i> survey: <i>During the past 30 days, for about how many days did poor physical or mental health keep you from doing your usual activities, such as self-care, work, or recreation?</i>
156	<i>R4CPNEXR</i> Cohort IV Follow Up Survey: Chest Pain or Pressure During Exercise Question (Q16a)	Num	3	Beneficiary's response to Q16a from the <i>Cohort IV 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
157	<i>R4CPNRST</i> Cohort IV Follow Up Survey: Chest Pain or Pressure When Resting Question (Q16b)	Num	3	Beneficiary's response to Q16b from the <i>Cohort IV 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
158	<i>R4SOBFLT</i> Cohort IV Follow Up Survey: Shortness of Breath When Lying Flat Question (Q17a)	Num	3	Beneficiary's response to Q17a from the <i>Cohort IV 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

FIELD #	FIELD NAME / DESCRIPTION	FIELD TYPE	FIELD LENGTH	ADDITIONAL INFORMATION AND VALID VALUES
159	<i>R4SOBSIT</i> <i>Cohort IV Follow Up Survey:</i> Shortness of Breath When Sitting or Resting Question (Q17b)	Num	3	Beneficiary's response to Q17b from the <i>Cohort IV 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
160	<i>R4SOBWLK</i> <i>Cohort IV Follow Up Survey:</i> Shortness of Breath When Walking Less than One Block Question (Q17c)	Num	3	Beneficiary's response to Q17c from the <i>Cohort IV 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
161	<i>R4SOBSTR</i> <i>Cohort IV Follow Up Survey:</i> Shortness of Breath When Climbing One Flight of Stairs Question (Q17d)	Num	3	Beneficiary's response to Q17d from the <i>Cohort IV 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
162	<i>R4NMBFET</i> <i>Cohort IV Follow Up Survey:</i> Numbness in Feet Question (Q18a)	Num	3	Beneficiary's response to Q18a from the <i>Cohort IV 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

FIELD #	FIELD NAME / DESCRIPTION	FIELD TYPE	FIELD LENGTH	ADDITIONAL INFORMATION AND VALID VALUES
163	<i>R4TINGFT</i> Cohort IV Follow Up Survey: Foot Tingling or Burning Question (Q18b)	Num	3	Beneficiary's response to Q18b from the Cohort IV Follow Up 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
164	<i>R4DECSNS</i> Cohort IV Follow Up Survey: Decreased Temperature Sensation in Feet Question (Q18c)	Num	3	Beneficiary's response to Q18c from the Cohort IV Follow Up 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
165	<i>R4DECHEL</i> Cohort IV Follow Up Survey: Sores or Wounds on Feet Question (Q18d)	Num	3	Beneficiary's response to Q18d from the Cohort IV Follow Up 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>Sores or wounds on your feet that did not heal</u> 1 = All of the time 2 = Most of the time 3 = Some of the time 4 = A little of the time 5 = None of the time
166	<i>R4PARLYS</i> Cohort IV Follow Up Survey: Paralysis or Weakness Question (Q19a)	Num	3	Beneficiary's response to Q19a from the Cohort IV Follow Up 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
167	<i>R4LSTTLK</i> Cohort IV Follow Up Survey: Lost Ability to Talk Question (Q19b)	Num	3	Beneficiary's response to Q19b from the Cohort IV Follow Up survey: <i>Have you ever lost the ability to talk?</i> 1 = Yes, I have lost it 2 = Yes, but it returned 3 = No

FIELD #	FIELD NAME / DESCRIPTION	FIELD TYPE	FIELD LENGTH	ADDITIONAL INFORMATION AND VALID VALUES
168	<i>R4RDNEWP</i> Cohort IV Follow Up Survey: Vision Question (Q20)	Num	3	Beneficiary's response to Q20 from the Cohort IV Follow Up survey: <i>Can you see well enough to read newspaper print (with your glasses or contacts if that's how you see best)?</i> 1 = Yes 2 = No
169	<i>R4HRMOST</i> Cohort IV Follow Up Survey: Hearing Question (Q21)	Num	3	Beneficiary's response to Q21 from the Cohort IV Follow Up survey: <i>Can you hear most of the things people say (with a hearing aid if that's how you hear best)?</i> 1 = Yes 2 = No
170	<i>R4CTRURN</i> Cohort IV Follow Up Survey: Difficulty Controlling Urination Question (Q22)	Num	3	Beneficiary's response to Q22 from the Cohort IV Follow Up survey: <i>Do you have difficulty controlling urination?</i> 1 = Yes 2 = No
171	<i>R4HIGHBP</i> Cohort IV Follow Up Survey: Hypertension Question (Q23)	Num	3	Beneficiary's response to Q23 from the Cohort IV Follow Up survey: <i>Has a doctor ever told you that you had:</i> <u>Hypertension or high blood pressure</u> 1 = Yes 2 = No
172	<i>R4ANGCAD</i> Cohort IV Follow Up Survey: Angina or Coronary Artery Disease Question (Q24)	Num	3	Beneficiary's response to Q24 from the Cohort IV Follow Up survey: <i>Has a doctor ever told you that you had:</i> <u>Angina or coronary artery disease</u> 1 = Yes 2 = No
173	<i>R4CHF</i> Cohort IV Follow Up Survey: Congestive Heart Failure Question (Q25)	Num	3	Beneficiary's response to Q25 from the Cohort IV Follow Up survey: <i>Has a doctor ever told you that you had:</i> <u>Congestive heart failure</u> 1 = Yes 2 = No
174	<i>R4AMI</i> Cohort IV Follow Up Survey: Myocardial Infarction Question (Q26)	Num	3	Beneficiary's response to Q26 from the Cohort IV Follow Up survey: <i>Has a doctor ever told you that you had:</i> <u>A myocardial infarction or heart attack</u> 1 = Yes 2 = No

FIELD #	FIELD NAME / DESCRIPTION	FIELD TYPE	FIELD LENGTH	ADDITIONAL INFORMATION AND VALID VALUES
175	<i>R4OTHHRT</i> <i>Cohort IV Follow Up Survey:</i> Other Heart Conditions Question (Q27)	Num	3	Beneficiary's response to Q27 from the <i>Cohort IV Follow Up</i> survey: <i>Has a doctor ever told you that you had:</i> <u>Other heart conditions, such as problems with heart valves or the rhythm of your heartbeat</u> 1 = Yes 2 = No
176	<i>R4STROKE</i> <i>Cohort IV Follow Up Survey:</i> Stroke Question (Q28)	Num	3	Beneficiary's response to Q28 from the <i>Cohort IV Follow Up</i> survey: <i>Has a doctor ever told you that you had:</i> <u>A stroke</u> 1 = Yes 2 = No
177	<i>R4COPD_E</i> <i>Cohort IV Follow Up Survey:</i> COPD Question (Q29)	Num	3	Beneficiary's response to Q29 from the <i>Cohort IV 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
178	<i>R4GI_ETC</i> <i>Cohort IV Follow Up Survey:</i> Inflammatory Bowel Disease Question (Q30)	Num	3	Beneficiary's response to Q30 from the <i>Cohort IV Follow Up</i> survey: <i>Has a doctor ever told you that you had:</i> <u>Crohn's disease, ulcerative colitis, or inflammatory bowel disease</u> 1 = Yes 2 = No
179	<i>R4ATHHIP</i> <i>Cohort IV Follow Up Survey:</i> Arthritis of Hip or Knee Question (Q31)	Num	3	Beneficiary's response to Q31 from the <i>Cohort IV 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
180	<i>R4ATHHAN</i> <i>Cohort IV Follow Up Survey:</i> Arthritis of Hand or Wrist Question (Q32)	Num	3	Beneficiary's response to Q32 from the <i>Cohort IV 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
181	<i>R4SCIATC</i> <i>Cohort IV Follow Up Survey:</i> Sciatica Question (Q33)	Num	3	Beneficiary's response to Q33 from the <i>Cohort IV Follow Up</i> survey: <i>Has a doctor ever told you that you had:</i> <u>Sciatica</u> 1 = Yes 2 = No
182	<i>R4DIABET</i> <i>Cohort IV Follow Up Survey:</i> Diabetes Question (Q34)	Num	3	Beneficiary's response to Q34 from the <i>Cohort IV Follow Up</i> survey: <i>Has a doctor ever told you that you had:</i> <u>Diabetes, high blood sugar, or sugar in the urine</u> 1 = Yes 2 = No

FIELD #	FIELD NAME / DESCRIPTION	FIELD TYPE	FIELD LENGTH	ADDITIONAL INFORMATION AND VALID VALUES
183	R4ANYCAN Cohort IV Follow Up Survey: Any Cancer Question (Q35)	Num	3	Beneficiary's response to Q35 from the Cohort IV Follow Up survey: <i>Has a doctor ever told you that you had:</i> <u>Any cancer (other than skin cancer)</u> 1 = Yes 2 = No
184	R4ARTHPN Cohort IV Follow Up Survey: Arthritis Pain Question (Q36)	Num	3	Beneficiary's response to Q36 from the Cohort IV Follow Up survey: <i>If you answered "yes" to questions 31 or 32 above (that you have arthritis), 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
185	R4COLNCA Cohort IV Follow Up Survey: Colorectal Cancer Treatment Question (Q37a)	Num	3	Beneficiary's response to Q37a from the Cohort IV Follow Up survey: <i>If you answered "yes" to question 35 above (that you have had cancer), Are you currently under treatment for:</i> <u>Colon or rectal cancer</u> 1 = Yes 2 = No
186	R4LUNGCA Cohort IV Follow Up Survey: Lung Cancer Treatment Question (Q37b)	Num	3	Beneficiary's response to Q37b from the Cohort IV Follow Up survey: <i>If you answered "yes" to question 35 above (that you have had cancer), Are you currently under treatment for:</i> <u>Lung cancer</u> 1 = Yes 2 = No
187	R4BRSTCA Cohort IV Follow Up Survey: Breast Cancer Treatment Question (Q37c)	Num	3	Beneficiary's response to Q37c from the Cohort IV Follow Up survey: <i>If you answered "yes" to question 35 above (that you have had cancer), Are you currently under treatment for:</i> <u>Breast cancer</u> 1 = Yes 2 = No
188	R4PROSCA Cohort IV Follow Up Survey: Prostate Cancer Treatment Question (Q37d)	Num	3	Beneficiary's response to Q37d from the Cohort IV Follow Up survey: <i>If you answered "yes" to question 35 above (that you have had cancer), Are you currently under treatment for:</i> <u>Prostate cancer</u> 1 = Yes 2 = No

FIELD #	FIELD NAME / DESCRIPTION	FIELD TYPE	FIELD LENGTH	ADDITIONAL INFORMATION AND VALID VALUES
189	<i>R4BACKPN</i> Cohort IV Follow Up Survey: Low Back Pain Question (Q38)	Num	3	Beneficiary's response to Q38 from the Cohort IV Follow Up 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
190	<i>R4FELTSD</i> Cohort IV Follow Up Survey: Two Weeks of Depression Question (Q39)	Num	3	Beneficiary's response to Q39 from the Cohort IV Follow Up 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
191	<i>R4DEPMCH</i> Cohort IV Follow Up Survey: Depression Much of the Time Question (Q40)	Num	3	Beneficiary's response to Q40 from the Cohort IV Follow Up survey: <i>In the past year, have you felt depressed or sad much of the time?</i> 1 = Yes 2 = No
192	<i>R4DEP2YR</i> Cohort IV Follow Up Survey: Depression Most of the Time Question (Q41)	Num	3	Beneficiary's response to Q41 from the Cohort IV Follow Up 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
193	<i>R4CMPHTH</i> Cohort IV Follow Up Survey: Comparative Health Question (Q42)	Num	3	Beneficiary's response to Q42 from the Cohort IV Follow Up 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
194	<i>R4SMKFRQ</i> Cohort IV Follow Up Survey: Current Smoker Question (Q43)	Num	3	Beneficiary's response to Q43 from the Cohort IV Follow Up 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

FIELD #	FIELD NAME / DESCRIPTION	FIELD TYPE	FIELD LENGTH	ADDITIONAL INFORMATION AND VALID VALUES
195	R4URNLKG Cohort IV Follow Up Survey: Urine Leakage Question (Q44)	Num	3	Beneficiary's response to Q44 from the Cohort IV Follow Up survey: <i>Many people experience problems with urinary incontinence, the leakage of urine. In the last six months, have you accidentally leaked urine?</i> 1 = Yes (Go to Q45) 2 = No (Go to Q48)
196	R4URNMAG Cohort IV Follow Up Survey: Magnitude of Urine Leakage Problem Question (Q45)	Num	3	Beneficiary's response to Q45 from the Cohort IV Follow Up survey: <i>How much of a problem, if any, was the urine leakage for you?</i> 1 = A big problem (Go to Q46) 2 = A small problem (Go to Q46) 3 = Not a problem (Go to Q48)
197	R4URNDOC Cohort IV Follow Up Survey Talked with Doctor about Urine Leakage Question (Q46)	Num	3	Beneficiary's response to Q46 from the Cohort IV Follow Up survey: <i>In the last 6 months, have you talked with a doctor or other health provider about your current urine leakage problem?</i> 1 = Yes (Go to Q47) 2 = No (Go to Q48) 3 = I did not see a doctor or other health provider in the last 6 months (Go to Q48)
198	R4URNTRT Cohort IV Follow Up Survey: Received Treatment for Urine Leakage Question (Q47)	Num	3	Beneficiary's response to Q47 from the Cohort IV Follow Up survey: <i>There are many ways to treat urinary incontinence including bladder training, exercises, medication and surgery. In the last 6 months, have you received these or any other treatments for your current urine leakage problem?</i> 1 = Yes 2 = No
199	R4BRTHYR Cohort IV Follow Up Survey: Survey Reported Year of Birth Question (Q48)	Char	4	Beneficiary's response to Q48 from the Cohort IV Follow Up survey: <i>In what year were you born?</i>
200	R4SV_GND Cohort IV Follow Up Survey: Survey Reported Gender Question (Q49)	Num	3	Beneficiary's response to Q49 from the Cohort IV Follow Up survey: <i>Are you male or female?</i> 1 = Male 2 = Female
201	R4HISPAN Cohort IV Follow Up Survey: Hispanic Question (Q50)	Num	3	Beneficiary's response to Q50 from the Cohort IV Follow Up survey: <i>Are you of Hispanic or Spanish family background?</i> 1 = Yes 2 = No

FIELD #	FIELD NAME / DESCRIPTION	FIELD TYPE	FIELD LENGTH	ADDITIONAL INFORMATION AND VALID VALUES
202	<i>R4SV_RAC</i> <i>Cohort IV Follow Up Survey:</i> Survey Reported Race Question (Q51)	Num	3	Beneficiary's response to Q51 from the <i>Cohort IV 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
203	<i>R4MARITL</i> <i>Cohort IV Follow Up Survey:</i> Marital Status Question (Q52)	Num	3	Beneficiary's response to Q52 from the <i>Cohort IV Follow Up</i> survey: <i>What is your current marital status?</i> 1 = Married 2 = Divorced 3 = Separated 4 = Widowed 5 = Never married
204	<i>R4EDUC</i> <i>Cohort IV Follow Up Survey:</i> Education Question (Q53)	Num	3	Beneficiary's response to Q53 from the <i>Cohort IV 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 degree 5 = 4 year college graduate 6 = More than a 4 year college degree
205	<i>R4HMOWN</i> <i>Cohort IV Follow Up Survey:</i> Housing Question (Q54)	Num	3	Beneficiary's response to Q54 from the <i>Cohort IV 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 5 = None of the above
206	<i>R4WHOCMP</i> <i>Cohort IV Follow Up Survey:</i> Who Completed this Survey Question (Q55)	Num	3	Beneficiary's response to Q55 from the <i>Cohort IV Follow Up</i> survey: <i>Who completed this survey form?</i> 1 = Person to whom survey was addressed (<i>Go to Q57</i>) 2 = Family member or relative of person to whom the survey was addressed 3 = Friend of person to whom the survey was addressed 4 = Professional caregiver of person to whom the survey was addressed

FIELD #	FIELD NAME / DESCRIPTION	FIELD TYPE	FIELD LENGTH	ADDITIONAL INFORMATION AND VALID VALUES
207	<i>R4HHINC</i> <i>Cohort IV Follow Up Survey:</i> Annual Household Income Question (Q57)	Num	3	Beneficiary's response to Q57 from the <i>Cohort IV 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
208	<i>C4DISP</i> <i>Cohort IV Baseline Survey:</i> Survey Disposition Indicator	Num	3	<i>Cohort IV Baseline</i> respondent's survey disposition indicator: 1 = Mail survey completed 2 = Telephone survey completed
209	<i>R4DISP</i> <i>Cohort IV Follow Up Survey:</i> Survey Disposition Indicator	Num	3	<i>Cohort IV Follow Up</i> respondent's survey disposition indicator: 1 = Mail survey completed 2 = Telephone survey completed
210	<i>C4ESVDAT</i> <i>Cohort IV Baseline Survey:</i> Elapsed Survey Date	Num	8	Beneficiary's <i>Cohort IV Baseline</i> elapsed survey date MMDDYY10. format
211	<i>C4ESVDT2</i> <i>Cohort IV Baseline Survey:</i> Elapsed Survey Date With Missing Values Imputed	Num	8	Elapsed survey date created from the original survey date (C4ESVDAT). For records with a missing survey date, an elapsed date was imputed by utilizing the mean survey date by vendor and mode of administration. MMDDYY10. format
212	<i>R4ESVDAT</i> <i>Cohort IV Follow Up Survey:</i> Elapsed Survey Date	Num	8	Beneficiary's <i>Cohort IV Follow Up</i> elapsed survey date MMDDYY10. format
213	<i>R4ESVDT2</i> <i>Cohort IV Follow Up Survey:</i> Elapsed Survey Date With Missing Values Imputed	Num	8	Elapsed survey date created from the original survey date (R4ESVDAT). For records with a missing survey date, an elapsed date was imputed by utilizing the mean survey date by vendor and mode of administration. MMDDYY10. format
214	<i>C4SVLANG</i> <i>Cohort IV Baseline Survey:</i> Survey Language	Num	3	<i>Cohort IV Baseline</i> survey language: 1 = English 2 = Spanish 3 = Not Applicable 4 = Chinese

FIELD #	FIELD NAME / DESCRIPTION	FIELD TYPE	FIELD LENGTH	ADDITIONAL INFORMATION AND VALID VALUES
215	<i>R4SVLANG</i> <i>Cohort IV Follow Up Survey:</i> Survey Language	Num	3	<i>Cohort IV Follow Up</i> survey language: 1 = English 2 = Spanish 3 = Not Applicable 4 = Chinese
216	<i>C4VENDOR</i> <i>Cohort IV Baseline Survey:</i> Survey Vendor	Num	3	<i>Cohort IV Baseline</i> survey vendor: 1 = DSS 2 = GHS 3 = HCIA (Solucient) 4 = Market Facts (Synovate)
217	<i>R4VENDOR</i> <i>Cohort IV Follow Up Survey:</i> Survey Vendor	Num	3	<i>Cohort IV Follow Up</i> survey vendor: 1 = DSS 2 = GHS 3 = Solucient 4 = Synovate 5 = DataStat, Inc.
218	<i>R4PROXST</i> <i>Cohort IV Follow Up Survey:</i> Proxy Status Indicator that Combines the <i>Cohort IV Baseline</i> and the <i>Cohort IV Follow Up</i> Information on Who Completed the Surveys	Num	3	<i>Cohort IV Follow Up</i> proxy status: 1 = Member at Baseline and Member at Follow Up 2 = Member at Baseline and Proxy at Follow Up 3 = Proxy at Baseline and Member at Follow Up 4 = Proxy at Baseline and Same Proxy at Follow Up 5 = Proxy at Baseline and Different Proxy at Follow Up 6 = Not Enough Information at Baseline 7 = Not Enough Information at Follow Up
219	<i>C4PCS98</i> <i>Cohort IV Baseline Survey:</i> Physical Component Summary (PCS) Score	Num	8	Beneficiary's <i>Cohort IV Baseline</i> Physical Component Summary score based on 1998 general US population norms
220	<i>C4MCS98</i> <i>Cohort IV Baseline Survey:</i> Mental Component Summary (MCS) Score	Num	8	Beneficiary's <i>Cohort IV Baseline</i> Mental Component Summary score based on 1998 general US population norms
221	<i>C4PFS98</i> <i>Cohort IV Baseline Survey:</i> Physical Functioning (PF) Scale Score	Num	8	Beneficiary's <i>Cohort IV Baseline</i> Physical Functioning scale score based on 1998 general US population norms
222	<i>C4RPS98</i> <i>Cohort IV Baseline Survey:</i> Role-Physical (RP) Scale Score	Num	8	Beneficiary's <i>Cohort IV Baseline</i> Role- Physical scale score based on 1998 general US population norms
223	<i>C4BPS98</i> <i>Cohort IV Baseline Survey:</i> Bodily Pain (BP) Scale Score	Num	8	Beneficiary's <i>Cohort IV Baseline</i> Bodily Pain scale score based on 1998 general US population norms
224	<i>C4GHS98</i> <i>Cohort IV Baseline Survey:</i> General Health (GH) Scale Score	Num	8	Beneficiary's <i>Cohort IV Baseline</i> General Health scale score based on 1998 general US population norms

FIELD #	FIELD NAME / DESCRIPTION	FIELD TYPE	FIELD LENGTH	ADDITIONAL INFORMATION AND VALID VALUES
225	<i>C4VTS98</i> <i>Cohort IV Baseline Survey:</i> Vitality (VT) Scale Score	Num	8	Beneficiary's <i>Cohort IV Baseline</i> Vitality scale score based on 1998 general US population norms
226	<i>C4SFS98</i> <i>Cohort IV Baseline Survey:</i> Social Functioning (SF) Scale Score	Num	8	Beneficiary's <i>Cohort IV Baseline</i> Social Functioning scale score based on 1998 general US population norms
227	<i>C4RES98</i> <i>Cohort IV Baseline Survey:</i> Role-Emotional (RE) Scale Score	Num	8	Beneficiary's <i>Cohort IV Baseline</i> Role-Emotional scale score based on 1998 general US population norms
228	<i>C4MHS98</i> <i>Cohort IV Baseline Survey:</i> Mental Health (MH) Scale Score	Num	8	Beneficiary's <i>Cohort IV Baseline</i> Mental Health scale score based on 1998 general US population norms
229	<i>R4PCS98</i> <i>Cohort IV Follow Up Survey:</i> Physical Component Summary (PCS) Score	Num	8	Beneficiary's <i>Cohort IV Follow Up</i> Physical Component Summary score based on 1998 general US population norms
230	<i>R4MCS98</i> <i>Cohort IV Follow Up Survey:</i> Mental Component Summary (MCS) Score	Num	8	Beneficiary's <i>Cohort IV Follow Up</i> Mental Component Summary score based on 1998 general US population norms
231	<i>R4PFS98</i> <i>Cohort IV Follow Up Survey:</i> Physical Functioning (PF) Scale Score	Num	8	Beneficiary's <i>Cohort IV Follow Up</i> Physical Functioning scale score based on 1998 general US population norms
232	<i>R4RPS98</i> <i>Cohort IV Follow Up Survey:</i> Role-Physical (RP) Scale Score	Num	8	Beneficiary's <i>Cohort IV Follow Up</i> Role-Physical scale score based on 1998 general US population norms
233	<i>R4BPS98</i> <i>Cohort IV Follow Up Survey:</i> Bodily Pain (BP) Scale Score	Num	8	Beneficiary's <i>Cohort IV Follow Up</i> Bodily Pain scale score based on 1998 general US population norms
234	<i>R4GHS98</i> <i>Cohort IV Follow Up Survey:</i> General Health (GH) Scale Score	Num	8	Beneficiary's <i>Cohort IV Follow Up</i> General Health scale score based on 1998 general US population norms
235	<i>R4VTS98</i> <i>Cohort IV Follow Up Survey:</i> Vitality (VT) Scale Score	Num	8	Beneficiary's <i>Cohort IV Follow Up</i> Vitality scale score based on 1998 general US population norms
236	<i>R4SFS98</i> <i>Cohort IV Follow Up Survey:</i> Social Functioning (SF) Scale Score	Num	8	Beneficiary's <i>Cohort IV Follow Up</i> Social Functioning scale score based on 1998 general US population norms
237	<i>R4RES98</i> <i>Cohort IV Follow Up Survey:</i> Role-Emotional (RE) Scale Score	Num	8	Beneficiary's <i>Cohort IV Follow Up</i> Role-Emotional scale score based on 1998 general US population norms
238	<i>R4MHS98</i> <i>Cohort IV Follow Up Survey:</i> Mental Health (MH) Scale Score	Num	8	Beneficiary's <i>Cohort IV Follow Up</i> Mental Health scale score based on 1998 general US population norms
239	<i>AHICNUM</i> Health Insurance Claim (HIC) Number for the <i>Cohort IV</i> Performance Measurement Report	Char	12	Unique beneficiary identifier derived from CMS' Enrollment Data Base (EDB) which was the beneficiary level unit of analysis for the <i>Cohort IV</i> Performance Measurement Report

FIELD #	FIELD NAME / DESCRIPTION	FIELD TYPE	FIELD LENGTH	ADDITIONAL INFORMATION AND VALID VALUES
240	<i>C4LNAME</i> Cohort IV Baseline Survey: Beneficiary's Last Name	Char	24	Beneficiary's last name from the <i>Cohort IV Baseline</i> member level record
241	<i>C4MI</i> Cohort IV Baseline Survey: Beneficiary's Middle Initial	Char	1	Beneficiary's middle initial from the <i>Cohort IV Baseline</i> member level record
242	<i>C4FNAME</i> Cohort IV Baseline Survey: Beneficiary's First Name	Char	15	Beneficiary's first name from the <i>Cohort IV Baseline</i> member level record
243	<i>C4ADDRSS</i> Cohort IV Baseline Survey: Beneficiary's Mailing Address	Char	132	Beneficiary's mailing address from the <i>Cohort IV Baseline</i> member level record
244	<i>C4STATE</i> Cohort IV Baseline Survey: Social Security Administration (SSA) State Code	Char	2	Beneficiary's SSA state code from the <i>Cohort IV Baseline</i> member level record
245	<i>C4COUNTY</i> Cohort IV Baseline Survey: SSA County Code	Char	3	Beneficiary's SSA county code from the <i>Cohort IV Baseline</i> member level record
246	<i>C4STABV</i> Cohort IV Baseline Survey: SSA State Abbreviation	Char	2	Beneficiary's two letter state abbreviation based on the <i>Cohort IV Baseline</i> SSA state code (C4STATE)
247	<i>C4CTNAME</i> Cohort IV Baseline Survey: County Name	Char	25	Beneficiary's SSA county name based on the <i>Cohort IV Baseline</i> SSA county code (C4COUNTY)
248	<i>C4ZIPCOD</i> Cohort IV Baseline Survey: Beneficiary's ZIP Code	Char	9	Beneficiary's ZIP code from the <i>Cohort IV Baseline</i> member level record
249	<i>R4ADDRSS</i> Cohort IV Follow Up Survey: Beneficiary's Mailing Address	Char	132	Beneficiary's mailing address from the <i>Cohort IV Follow Up</i> member level record
250	<i>R4STATE</i> Cohort IV Follow Up Survey: SSA State Code	Char	2	Beneficiary's SSA state code from the <i>Cohort IV Follow Up</i> member level record
251	<i>R4COUNTY</i> Cohort IV Follow Up Survey: SSA County Code	Char	3	Beneficiary's SSA county code from the <i>Cohort IV Follow Up</i> member level record
252	<i>R4STABV</i> Cohort IV Follow Up Survey: SSA State Abbreviation	Char	2	Beneficiary's two letter state abbreviation based on the <i>Cohort IV Follow Up</i> SSA state code (R4STATE)
253	<i>R4CTNAME</i> Cohort IV Follow Up Survey: County Name	Char	25	Beneficiary's SSA county name based on the <i>Cohort IV Follow Up</i> SSA county code (R4COUNTY)
254	<i>R4ZIPCOD</i> Cohort IV Follow Up Survey: Beneficiary's ZIP Code	Char	9	Beneficiary's ZIP code from the <i>Cohort IV Follow Up</i> member level record

FIELD #	FIELD NAME / DESCRIPTION	FIELD TYPE	FIELD LENGTH	ADDITIONAL INFORMATION AND VALID VALUES
255	<i>C4RACE</i> Cohort IV Baseline Survey: Beneficiary's Baseline Race	Num	3	Beneficiary's race from the <i>Cohort IV Baseline</i> 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
256	<i>C4GENDER</i> Cohort IV Baseline Survey: Beneficiary's Baseline Gender	Num	3	Beneficiary's gender from the <i>Cohort IV Baseline</i> member level record. This information is derived from CMS' EDB. 1 = Male 2 = Female
257	<i>C4EDOB</i> Cohort IV Baseline Survey: Beneficiary's Date of Birth	Num	8	Beneficiary's elapsed date of birth which, in combination with the elapsed survey date (<i>C4ESVDT2</i>), was used to calculate age (<i>C4AGE</i>) MMDDYY10. format
258	<i>C4ESRDID</i> Cohort IV Baseline Survey: Beneficiary's End Stage Renal Disease (ESRD) Status	Num	3	Beneficiary's ESRD status from the <i>Cohort IV Baseline</i> member level record. This information is derived from CMS' EDB. 0 = No ESRD 1 = ESRD
259	<i>C4INSTUT</i> Cohort IV Baseline Survey: Beneficiary's Institutional Status	Num	3	Beneficiary's institutional status from the <i>Cohort IV Baseline</i> member level record. This information is derived from CMS' EDB. 0 = Out of institution 1 = Institutionalized 2 = Eligible for nursing home care
260	<i>C4HOSPIC</i> Cohort IV Baseline Survey: Beneficiary's Hospice Status	Num	3	Beneficiary's hospice status from the <i>Cohort IV Baseline</i> member level record. This information is derived from CMS' EDB. 0 = No hospice start date present 1 = Hospice start date present
261	<i>C4MEDICD</i> Cohort IV Baseline Survey: Beneficiary's Medicaid Status	Num	3	Beneficiary's Medicaid status from the <i>Cohort IV Baseline</i> member level record. This information is derived from CMS' EDB. 0 = Out of Medicaid 1 = In Medicaid
262	<i>C4RSENT</i> Cohort IV Baseline Survey: Beneficiary's Reason for Entitlement	Num	3	Beneficiary's reason for entitlement from the <i>Cohort IV Baseline</i> member level record. This information is derived from CMS' EDB. 10 = Aged without ESRD 11 = Aged with ESRD 20 = Disabled without ESRD 21 = Disabled with ESRD 31 = ESRD only

FIELD #	FIELD NAME / DESCRIPTION	FIELD TYPE	FIELD LENGTH	ADDITIONAL INFORMATION AND VALID VALUES
263	<i>C4NMCOMP</i> <i>Cohort IV Baseline Survey:</i> Name of Person Who Completed this Survey Question (Q56)	Char	52	Beneficiary's response to Q56 from the <i>Cohort IV Baseline</i> survey: <i>What is the name of the person who completed this survey form?</i>
264	<i>R4RACE</i> <i>Cohort IV Follow Up Survey:</i> Beneficiary's Race	Num	3	Beneficiary's race from the <i>Cohort IV Follow Up</i> 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
265	<i>R4GENDER</i> <i>Cohort IV Follow Up Survey:</i> Beneficiary's Gender	Num	3	Beneficiary's gender from the <i>Cohort IV Follow Up</i> member level record. This information is derived from CMS' EDB. 1 = Male 2 = Female
266	<i>R4EDOB</i> <i>Cohort IV Follow Up Survey:</i> Beneficiary's Date of Birth	Num	8	Beneficiary's elapsed date of birth from the <i>Cohort IV Follow Up</i> member level record. This information is derived from CMS' EDB. MMDDYY10. format
267	<i>R4ESRDID</i> <i>Cohort IV Follow Up Survey:</i> Beneficiary's ESRD Status	Num	3	Beneficiary's ESRD status from the <i>Cohort IV Follow Up</i> member level record. This information is derived from CMS' EDB. 0 = No ESRD 1 = ESRD
268	<i>R4INSTUT</i> <i>Cohort IV Follow Up Survey:</i> Beneficiary's Institutional Status	Num	3	Beneficiary's institutional status from the <i>Cohort IV Follow Up</i> member level record. This information is derived from CMS' EDB. 0 = Out of institution 1 = Institutionalized 2 = Eligible for nursing home care
269	<i>R4HOSPIC</i> <i>Cohort IV Follow Up Survey:</i> Beneficiary's Hospice Status	Num	3	Beneficiary's hospice status from the <i>Cohort IV Follow Up</i> member level record. This information is derived from CMS' EDB. 0 = No hospice start date present 1 = Hospice start date present
270	<i>R4MEDICD</i> <i>Cohort IV Follow Up Survey:</i> Beneficiary's Medicaid Status	Num	3	Beneficiary's Medicaid status from the <i>Cohort IV Follow Up</i> member level record. This information is derived from CMS' EDB. 0 = Out of Medicaid 1 = In Medicaid

FIELD #	FIELD NAME / DESCRIPTION	FIELD TYPE	FIELD LENGTH	ADDITIONAL INFORMATION AND VALID VALUES
271	<i>R4RSENT</i> <i>Cohort IV Follow Up Survey:</i> Beneficiary's Reason for Entitlement	Num	3	Beneficiary's reason for entitlement from the <i>Cohort IV Follow Up</i> member level record. This information is derived from CMS' EDB. 10 = Aged without ESRD 11 = Aged with ESRD 20 = Disabled without ESRD 21 = Disabled with ESRD 31 = ESRD only
272	<i>R4NMCOMP</i> <i>Cohort IV Follow Up Survey:</i> Name of Person Who Completed the Survey Question (Q56)	Char	52	Beneficiary's response to Q56 from the <i>Cohort IV Follow Up</i> survey: <i>What is the name of the person who completed this survey form?</i>
273	<i>P4EHDOD</i> Date of Death	Num	8	Beneficiary's date of death (DOD). This information was obtained from CMS in January 2004. MMDDYY10. format
274	<i>C4AGE</i> <i>Cohort IV Baseline Survey:</i> Beneficiary's Age	Num	8	Beneficiary's age calculated by subtracting the baseline elapsed date of birth (C4EDOB) from the elapsed date of baseline survey completion (C4ESVDT2) and dividing the result by 365.25
275	<i>P4PMRIND</i> Performance Measurement Sample Distribution Indicator	Num	3	Indicates status of the record in this analytic file 1 = Respondent 2 = Non-Respondent 3 = Invalid 4 = Dead 5 = Disenrolled