

## Appendix

### Data Dictionary

| Variable Name      | Variable Definition  | Data Type | Modeling Type | Value Labels                                  |
|--------------------|--|-----------|---------------|---|
| Patient_ID         | Patient ID (unique, de-identified patient identifier linked with clinic code)    | Numeric   | Nominal       | –   |
| clinic_code        | Clinic code (code for location at which patient is seen, linked with Patient_ID) | Numeric   | Nominal       | –   |
| Age                | Age (continuous)   | Numeric   | Ordinal       | –   |
| Gender             | Gender   | Numeric   | Nominal       | 0 = Female; 1 = Male                          |
| Race               | Race   | Numeric   | Nominal       | 0 = White; 1 = Nonwhite                       |
| Ethnicity          | Ethnicity  | Numeric   | Nominal       | 0 = Not Hispanic/Latino; 1 = Hispanic/Latino  |
| Insurance_source   | Insurance source   | Numeric   | Nominal       | 0 = Private; 1 = Public                       |
| Payor_category     | Insurance payor category   | Numeric   | Nominal       | 0 = Non-managed care; 1 = Managed care        |
| FallsAsmt          | Documented falls assessment  | Numeric   | Nominal       | 0 = No falls assessment; 1 = Falls assessment |
| FallsAsmt_Year     | Year in which falls assessment was last documented                               | Numeric   | Ordinal       | –   |
| FallsGuidance      | Documented falls guidance  | Numeric   | Nominal       | 0 = No falls guidance; 1 = Falls guidance     |
| FallsGuidance_Year | Year in which falls guidance was last documented                                 | Numeric   | Ordinal       | –   |
| Hypertension       | Documented hypertension  | Numeric   | Nominal       | 0 = No hypertension; 1 = Hypertension         |
| Hypertension_Year  | Year in which hypertension was last documented                                   | Numeric   | Ordinal       | –   |
| Dementia           | Documented dementia  | Numeric   | Nominal       | 0 = No dementia; 1 = Dementia                 |

|                        |  |         |         |   |
|------------------------|--|---------|---------|---|
| Dementia_Year          | Year in which dementia was last documented             | Numeric | Ordinal | –   |
| Polypharmacy           | Identified polypharmacy                                | Numeric | Nominal | 0 = No polypharmacy; 1 = Polypharmacy                 |
| Polypharmacy_Year      | Year in which polypharmacy was last identified         | Numeric | Ordinal | –   |
| Osteoporosis           | Documented osteoporosis                                | Numeric | Nominal | 0 = No osteoporosis; 1 = Osteoporosis                 |
| Osteoporosis_Year      | Year in which osteoporosis was last documented         | Numeric | Ordinal | –   |
| CognitiveImp           | Documented cognitive impairment                        | Numeric | Nominal | 0 = No cognitive impairment; 1 = Cognitive impairment |
| CognitiveImp_Year      | Year in which cognitive impairment was last documented | Numeric | Ordinal | –   |
| MuscleWeakness         | Documented muscle weakness                             | Numeric | Nominal | 0 = No muscle weakness; 1 = Muscle weakness           |
| MuscleWeakness_Year    | Year in which muscle weakness was last documented      | Numeric | Ordinal | –   |
| HearingImp             | Documented hearing impairment                          | Numeric | Nominal | 0 = No hearing impairment; 1 = Hearing impairment     |
| HearingImp_Year        | Year in which hearing impairment was last documented   | Numeric | Ordinal | –   |
| Arthritis              | Documented arthritis                                   | Numeric | Nominal | 0 = No arthritis; 1 = Arthritis                       |
| Arthritis_Year         | Year in which arthritis was last documented            | Numeric | Ordinal | –   |
| Dizziness-Vertigo      | Documented dizziness/vertigo                           | Numeric | Nominal | 0 = No dizziness/vertigo; 1 = Dizziness/vertigo       |
| Dizziness-Vertigo_Year | Year in which dizziness/vertigo was last documented    | Numeric | Ordinal | –   |

|                      |   |         |         |   |
|----------------------|---|---------|---------|---|
| DM-1                 | Documented DM type 1                                      | Numeric | Nominal | 0 = No DM type 1; 1 = DM type 1                             |
| DM-1_Year            | Year in which DM type 1 was last documented               | Numeric | Ordinal | –   |
| DM-2                 | Documented DM type 2                                      | Numeric | Nominal | 0 = No DM type 2; 1 = DM type 2                             |
| DM-2_Year            | Year in which DM type 2 was last documented               | Numeric | Ordinal | –   |
| DM-Retinopathy       | Documented DM retinopathy                                 | Numeric | Nominal | 0 = No DM retinopathy; 1 = DM retinopathy                   |
| DM-Retinopathy_Year  | Year in which DM retinopathy was last documented          | Numeric | Ordinal | –   |
| DM-Neuropathy        | Documented DM neuropathy                                  | Numeric | Nominal | 0 = No DM neuropathy; 1 = DM neuropathy                     |
| DM-Neuropathy_Year   | Year in which DM neuropathy was last documented           | Numeric | Ordinal | –   |
| Epilepsy             | Documented epilepsy                                       | Numeric | Nominal | 0 = No epilepsy; 1 = Epilepsy                               |
| Epilepsy_Year        | Year in which epilepsy was last documented                | Numeric | Ordinal | –   |
| Fall                 | Documented fall   | Numeric | Nominal | 0 = No history of fall; 1 = History of fall                 |
| Fall_Year            | Year in which a fall was last documented                  | Numeric | Ordinal | –   |
| FearFalling          | Documented fear of falling                                | Numeric | Nominal | 0 = No fear of falling; 1 = Fear of falling                 |
| FearFalling_Year     | Year in which fear of falling was last documented         | Numeric | Ordinal | –   |
| Gait-BalanceImp      | Documented gait/balance impairment                        | Numeric | Nominal | 0 = No gait/balance impairment; 1 = Gait/balance impairment |
| Gait-BalanceImp_Year | Year in which gait/balance impairment was last documented | Numeric | Ordinal | –   |
| Hypotension          | Documented hypotension                                    | Numeric | Nominal | 0 = No hypotension; 1 = Hypotension                         |

|                              |   |         |         |   |
|------------------------------|---|---------|---------|---|
| Hypotension_Year             | Year in which hypotension was last documented   | Numeric | Ordinal | –   |
| VisionImp                    | Documented vision impairment  | Numeric | Nominal | 0 = No vision impairment; 1 = Vision impairment                             |
| VisionImp_Year               | Year in which vision impairment was last documented   | Numeric | Ordinal | –   |
| Parkinsons                   | Documented Parkinson's  | Numeric | Nominal | 0 = No Parkinson's; 1 = Parkinson's   |
| Parkinsons_Year              | Year in which Parkinson's was last documented   | Numeric | Ordinal | –   |
| Stumble                      | Documented stumble  | Numeric | Nominal | 0 = No stumble; 1 = Stumble   |
| Stumble_Year                 | Year in which a stumble was last documented   | Numeric | Ordinal | –   |
| WalkingAid                   | Documented use of a walking aid   | Numeric | Nominal | 0 = No walking aid; 1 = Walking aid   |
| WalkingAid_Year              | Year in which use of a walking aid was last documented                                      | Numeric | Ordinal | –   |
| RheumatoidArthritis_Med      | Documented active prescription for a rheumatoid arthritis medication                        | Numeric | Nominal | 0 = No rheumatoid arthritis medication; 1 = Rheumatoid arthritis medication |
| RheumatoidArthritis_Med_Year | Year in which active prescription for a rheumatoid arthritis medication was last documented | Numeric | Ordinal | –   |
| Vertigo_Med                  | Documented active prescription for a vertigo medication                                     | Numeric | Nominal | 0 = No vertigo medication; 1 = Vertigo medication                           |
| Vertigo_Med_Year             | Year in which active prescription for a rheumatoid vertigo medication was last documented   | Numeric | Ordinal | –   |
| Sedative_Med                 | Documented active prescription for a sedative medication                                    | Numeric | Nominal | 0 = No sedative medication; 1 = Sedative medication                         |

|                        |  |         |         |   |
|------------------------|--|---------|---------|---|
| Sedative_Med_Year      | Year in which active prescription for a sedative medication was last documented          | Numeric | Ordinal | –   |
| AntiEpileptic_Med      | Documented active prescription for an antiepileptic medication                           | Numeric | Nominal | 0 = No antiepileptic medication; 1 = Antiepileptic medication       |
| AntiEpileptic_Med_Year | Year in which active prescription for an antiepileptic medication was last documented    | Numeric | Ordinal | –   |
| AntiHTN_Med            | Documented active prescription for an antihypertensive medication                        | Numeric | Nominal | 0 = No antihypertensive medication; 1 = Antihypertensive medication |
| AntiHTN_Med_Year       | Year in which active prescription for an antihypertensive medication was last documented | Numeric | Ordinal | –   |
| Dementia_Med           | Documented active prescription for a dementia medication                                 | Numeric | Nominal | 0 = No dementia medication; 1 = Dementia medication                 |
| Dementia_Med_Year      | Year in which active prescription for a dementia medication was last documented          | Numeric | Ordinal | –   |
| DM-1_Med               | Documented active prescription for a DM type 1 medication                                | Numeric | Nominal | 0 = No DM type 1 medication; 1 = DM type 1 medication               |
| DM-1_Med_Year          | Year in which active prescription for a DM type 1 medication was last documented         | Numeric | Ordinal | –   |
| DM-2_Med               | Documented active prescription for a DM type 2 medication                                | Numeric | Nominal | 0 = No DM type 2 medication; 1 = DM type 2 medication               |
| DM-2_Med_Year          | Year in which active prescription for a DM type 2 medication was last documented         | Numeric | Ordinal | –   |

|                       |  |         |            |   |
|-----------------------|--|---------|------------|---|
| Epilepsy_Med          | Documented active prescription for an epilepsy medication  | Numeric | Nominal    | 0 = No epilepsy medication; 1 = Epilepsy medication         |
| Epilepsy_Med_Year     | Year in which active prescription for an epilepsy medication was last documented                   | Numeric | Ordinal    | –   |
| Hypotension_Med       | Documented active prescription for a hypotension medication  | Numeric | Nominal    | 0 = No hypotension medication; 1 = Hypotension medication   |
| Hypotension_Med_Year  | Year in which active prescription for a hypotension medication was last documented                 | Numeric | Ordinal    | –   |
| Osteoporosis_Med      | Documented active prescription for an osteoporosis medication                                      | Numeric | Nominal    | 0 = No osteoporosis medication; 1 = Osteoporosis medication |
| Osteoporosis_Med_Year | Year in which active prescription for an osteoporosis medication was last documented               | Numeric | Ordinal    | –   |
| Parkinsons_Med        | Documented active prescription for a Parkinson's medication  | Numeric | Nominal    | 0 = No Parkinson's medication; 1 = Parkinson's medication   |
| Parkinsons_Med_Year   | Year in which active prescription for a Parkinson's medication was last documented                 | Numeric | Ordinal    | –   |
| Height                | Last recorded patient height (in inches)   | Numeric | Continuous | –   |
| Height_Year           | Last year in which patient height was recorded   | Numeric | Ordinal    | –   |
| Height_DaysDiff       | Time interval in days between date of first visit and date of last documentation of patient height | Numeric | Ordinal    | –   |
| Weight                | Last recorded patient weight (in pounds)   | Numeric | Continuous | –   |

|                    |  |           |            |   |
|--------------------|--|-----------|------------|---|
| Weight_Year        | Last year in which patient weight was recorded   | Numeric   | Ordinal    | – |
| Weight_DaysDiff    | Time interval in days between date of first visit and date of last documentation of patient weight                   | Numeric   | Ordinal    | – |
| BMI                | Last calculated patient body mass index  | Numeric   | Continuous | – |
| BMI_Year           | Last year in which patient body mass index was calculated  | Numeric   | Ordinal    | – |
| BMI_DaysDiff       | Time interval in days between date of first visit and date of last calculation of patient body mass index            | Numeric   | Ordinal    | – |
| Systolic           | Last documented systolic blood pressure reading  | Numeric   | Continuous | – |
| Systolic_Year      | Last year in which systolic blood pressure reading was documented  | Numeric   | Ordinal    | – |
| Systolic_DaysDiff  | Time interval in days between date of first visit and date of last documentation of systolic blood pressure reading  | Numeric   | Ordinal    | – |
| Diastolic          | Last documented diastolic blood pressure reading   | Numeric   | Continuous | – |
| Diastolic_Year     | Last year in which diastolic blood pressure reading was documented   | Numeric   | Ordinal    | – |
| Diastolic_DaysDiff | Time interval in days between date of first visit and date of last documentation of diastolic blood pressure reading | Numeric   | Ordinal    | – |
| Age_Cat_1          | Recoded age, using 65–84 and 85+ age ranges  | Character | Nominal    | – |
| Age_Cat_2          | Recoded age, using 65–74, 75–84, and 85+ age ranges  | Character | Nominal    | – |

|                   |  |           |            |                  |
|-------------------|--|-----------|------------|------------------|
| BMI_Cat_1         | Recoded body mass index, using <30 and ≥30 (obese) ranges  | Character | Nominal    | 0 = <30; 1 = ≥30 |
| Closest_BMI       | BMI measurement closest to the date of last documented fall. If no fall, then result = latest BMI                                | Numeric   | Continuous | –                |
| Closest_Systolic  | Systolic blood pressure reading closest to the date of last documented fall. If no fall, then result = latest systolic reading   | Numeric   | Continuous | –                |
| Closest_Diastolic | Diastolic blood pressure reading closest to the date of last documented fall. If no fall, then result = latest diastolic reading | Numeric   | Continuous | –                |

*Abbreviations:* BMI, body mass index; DM, diabetes mellitus.