

# Wheelchairs Access Group

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## Health Status Outcomes Summary

No changes in beneficiary health outcomes resulting from the Medicare Durable Medical Equipment, Prosthetics, Orthotics, and Supplies (DMEPOS) Competitive Bidding Program have been observed to date.

These materials contain the mortality and morbidity rates for one group of beneficiaries being monitored: the standard wheelchairs access group. Utilizer Groups are composed of Medicare beneficiaries who have a claim for the product in the month of observation or any of the previous three months. Access Groups include beneficiaries who are likely to use the product and are determined by whether a beneficiary has a condition related to product use. The standard wheelchairs access group comprises beneficiaries who are likely to need standard wheelchairs and wheelchair parts.

The health outcomes being measured are deaths, hospitalizations, emergency room visits, physician visits, admissions to skilled nursing facilities, average number of days spent hospitalized in a month, and average number of days in a skilled nursing facility in a month.

Rates in Round 2 Competitive Bidding Areas (CBAs) are compared to historical rates in Round 1 CBAs and in non-competitive bid regions. In general, outcome rates in Round 2 CBAs continue in line with historical rates. Additionally, they also track closely with rates in non-competitive bid regions.

It is important to note that mortality and morbidity rates generally display seasonal trends. The first quarter of each year typically has elevated rates of mortality and morbidity; however, the trends generally mirror past seasons and are closely matched by the non-competitive bid regions.

Additionally, rates that appear more variable tend to be based on a smaller number of beneficiaries. For example, the Utilizer Groups have fewer beneficiaries than the Access Groups, so rates for the Utilizer groups tend to be more variable.

### **NOTE:**

Beginning with public use files utilizing data through the third quarter of 2014, we redefined access groups to include only beneficiaries with ICD-9 diagnosis codes that are considered highly related to product use. Prior to this update, access groups were defined using related condition categories (CCs) based on the Centers for Medicare & Medicaid Services (CMS) beneficiary risk adjustment model. Because Medicare makes periodic updates to its risk adjustment model, the ICD-9 diagnosis codes that are aggregated under a given CC can change over time. As a result, our CC-defined access groups may include ICD-9 diagnosis codes that are not as closely associated with product category usage. Redefining access groups using pre-specified sets of ICD-9 diagnosis codes, instead of CCs, allows us to remove these unrelated diagnoses and improve the accuracy of our access groups.

## Introduction

Folder Name: Wheelchairs\_Access\_Group\_Thru\_Sept\_2014

Upload Date: 2015.01.13

Observation Period: 01/01/2011 to 9/30/2014

Claims Processed Through: 1/2/2015

Beneficiary Enrollment Through: November 2014

Data Types: Original Medicare (Part A and Part B) Claims; Medicare Enrollment Data

Purpose: To summarize mortality and morbidity outcomes in the standard wheelchairs access group in Round 1 and Round 2 CBAs and non-competitive bid regions aggregated at the DME region level.

Each CSV file in this folder refers to a specific outcome of interest. Each of the outcomes is defined in the Specifications section.

## Specifications

### Study Population and Definitions

- Access Group: Beneficiaries with a claim that indicates eligibility and who were living in a ZIP code in a Round 1 or Round 2 CBA or non-competitive bid region in the given month or any of the prior three months.<sup>1</sup> Eligibility is determined by a beneficiary's health conditions, as defined by the following ICD-9 diagnosis codes:
  - 06641 West Nile Fever with encephalitis
  - 06642 West Nile Fever with other neurologic manifestation
  - 0940 Tabes dorsalis
  - 3361 Vascular myelopathies
  - 3363 Myelopathy in other diseases classified elsewhere
  - 34121 Acute (transverse) myelitis in conditions classified elsewhere
  - 34200 Flaccid hemiplegia and hemiparesis affecting unspecified side
  - 34201 Flaccid hemiplegia and hemiparesis affecting dominant side
  - 34202 Flaccid hemiplegia and hemiparesis affecting nondominant side
  - 34280 Other specified hemiplegia and hemiparesis affecting unspecified side
  - 34281 Other specified hemiplegia and hemiparesis affecting dominant side
  - 34282 Other specified hemiplegia and hemiparesis affecting nondominant side
  - 34291 Hemiplegia, unspecified, affecting dominant side
  - 34292 Hemiplegia, unspecified, affecting nondominant side
  - 34431 Monoplegia of lower limb affecting dominant side
  - 34432 Monoplegia of lower limb affecting nondominant side
  - 3536 Phantom limb (syndrome)

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<sup>1</sup>Source:

- [Round 1 CBAs](#);
- [Round 2 CBAs](#)

- 35981 Critical illness myopathy
- 35989 Other myopathies
- 43820 Late effects of cerebrovascular disease, hemiplegia affecting unspecified side
- 43821 Late effects of cerebrovascular disease, hemiplegia affecting dominant side
- 43822 Late effects of cerebrovascular disease, hemiplegia affecting nondominant side
- 43832 Late effects of cerebrovascular disease, monoplegia of upper limb affecting nondominant side
- 43840 Late effects of cerebrovascular disease, monoplegia of lower limb affecting unspecified side
- 43842 Late effects of cerebrovascular disease, monoplegia of lower limb affecting nondominant side
- 43850 Late effects of cerebrovascular disease, other paralytic syndrome affecting unspecified side
- 43851 Late effects of cerebrovascular disease, other paralytic syndrome affecting dominant side
- 73314 Pathologic fracture of neck of femur
- 73315 Pathologic fracture of other specified part of femur
- 73316 Pathologic fracture of tibia or fibula
- 8065 Open fracture of lumbar spine with spinal cord injury
- 80669 Closed fracture of sacrum and coccyx with other spinal cord injury
- 8080 Closed fracture of acetabulum
- 8081 Open fracture of acetabulum
- 8082 Closed fracture of pubis
- 8083 Open fracture of pubis
- 80841 Closed fracture of ilium
- 80842 Closed fracture of ischium
- 80843 Multiple closed pelvic fractures with disruption of pelvic circle
- 80844 Multiple closed pelvic fractures without disruption of pelvic circle
- 80849 Closed fracture of other specified part of pelvis
- 80851 Open fracture of ilium
- 80853 Multiple open pelvic fractures with disruption of pelvic circle
- 80859 Open fracture of other specified part of pelvis
- 8088 Closed unspecified fracture of pelvis
- 8089 Open unspecified fracture of pelvis
- 82000 Closed fracture of intracapsular section of neck of femur, unspecified
- 82001 Closed fracture of epiphysis (separation) (upper) of neck of femur
- 82002 Closed fracture of midcervical section of neck of femur
- 82003 Closed fracture of base of neck of femur
- 82009 Other closed transcervical fracture of neck of femur
- 82010 Open fracture of intracapsular section of neck of femur, unspecified
- 82011 Open fracture of epiphysis (separation) (upper) of neck of femur

- 82012 Open fracture of midcervical section of neck of femur
- 82013 Open fracture of base of neck of femur
- 82019 Other open transcervical fracture of neck of femur
- 82020 Closed fracture of trochanteric section of neck of femur
- 82021 Closed fracture of intertrochanteric section of neck of femur
- 82022 Closed fracture of subtrochanteric section of neck of femur
- 82030 Open fracture of trochanteric section of neck of femur, unspecified
- 82031 Open fracture of intertrochanteric section of neck of femur
- 82032 Open fracture of subtrochanteric section of neck of femur
- 8208 Closed fracture of unspecified part of neck of femur
- 8209 Open fracture of unspecified part of neck of femur
- 82100 Closed fracture of unspecified part of femur
- 82101 Closed fracture of shaft of femur
- 82110 Open fracture of unspecified part of femur
- 82111 Open fracture of shaft of femur
- 82120 Closed fracture of lower end of femur, unspecified part
- 82121 Closed fracture of condyle, femoral
- 82122 Closed fracture of epiphysis, lower (separation) of femur
- 82123 Closed supracondylar fracture of femur
- 82129 Other closed fracture of lower end of femur
- 82130 Open fracture of lower end of femur, unspecified part
- 82131 Open fracture of condyle, femoral
- 82133 Open supracondylar fracture of femur
- 82139 Other open fracture of lower end of femur
- 8221 Open fracture of patella
- 82300 Closed fracture of upper end of tibia alone
- 82301 Closed fracture of upper end of fibula alone
- 82302 Closed fracture of upper end of fibula with tibia
- 82310 Open fracture of upper end of tibia alone
- 82311 Open fracture of upper end of fibula alone
- 82312 Open fracture of upper end of fibula with tibia
- 82320 Closed fracture of shaft of tibia alone
- 82321 Closed fracture of shaft of fibula alone
- 82322 Closed fracture of shaft of fibula with tibia
- 82330 Open fracture of shaft of tibia alone
- 82331 Open fracture of shaft of fibula alone
- 82332 Open fracture of shaft of fibula with tibia
- 82340 Torus fracture, tibia alone
- 82342 Torus fracture, fibula with tibia
- 82380 Closed fracture of unspecified part of tibia alone
- 82381 Closed fracture of unspecified part of fibula alone
- 82382 Closed fracture of unspecified part of fibula with tibia
- 82390 Open fracture of unspecified part of tibia alone

- 82391 Open fracture of unspecified part of fibula alone
- 82392 Open fracture of unspecified part of fibula with tibia
- 8240 Fracture of medial malleolus, closed
- 8241 Fracture of medial malleolus, open
- 8243 Fracture of lateral malleolus, open
- 8244 Bimalleolar fracture, closed
- 8245 Bimalleolar fracture, open
- 8246 Trimalleolar fracture, closed
- 8247 Trimalleolar fracture, open
- 8248 Unspecified fracture of ankle, closed
- 8249 Unspecified fracture of ankle, open
- 8270 Other, multiple and ill-defined fractures of lower limb, closed
- 8271 Other, multiple and ill-defined fractures of lower limb, open
- 8280 Closed multiple fractures involving both lower limbs, lower with upper limb, and lower limb(s) with rib(s) and sternum
- 83510 Open dislocation of hip, unspecified site
- 8950 Traumatic amputation of toe(s) (complete) (partial), without mention of complication
- 8951 Traumatic amputation of toe(s) (complete) (partial), complicated
- 8960 Traumatic amputation of foot (complete) (partial), unilateral, without mention of complication
- 8961 Traumatic amputation of foot (complete) (partial), unilateral, complicated
- 8970 Traumatic amputation of leg(s) (complete) (partial), unilateral, below knee, without mention of complication
- 8971 Traumatic amputation of leg(s) (complete) (partial), unilateral, below knee, complicated
- 8972 Traumatic amputation of leg(s) (complete) (partial), unilateral, at or above knee, without mention of complication
- 8973 Traumatic amputation of leg(s) (complete) (partial), unilateral, at or above knee, complicated
- 8974 Traumatic amputation of leg(s) (complete) (partial), unilateral, level not specified, without mention of complication
- 8975 Traumatic amputation of leg(s) (complete) (partial), unilateral, level not specified, complicated
- 8976 Traumatic amputation of leg(s) (complete) (partial), bilateral [any level]), without mention of complication
- 8977 Traumatic amputation of leg(s) (complete) (partial), bilateral [any level], complicated
- 9059 Late effect of traumatic amputation
- 99696 Complication of reattached lower extremity, other and unspecified
- 99760 Unspecified complication of amputation stump
- 99761 Neuroma of amputation stump
- 99762 Infection (chronic) of amputation stump
- 99769 Other amputation stump complication

- V4970 Unspecified level lower limb amputation status
  - V4971 Great toe amputation status
  - V4972 Other toe(s) amputation status
  - V4973 Foot amputation status
  - V4974 Ankle amputation status
  - V4975 Below knee amputation status
  - V4976 Above knee amputation status
  - V4977 Hip amputation status
  - V521 Fitting and adjustment of artificial leg (complete) (partial)
  - V5781 Care involving orthotic training
  - V5789 Care involving other specified rehabilitation procedure
- Round 1 CBAs: Includes all areas in which the competitive bidding policy was implemented for Round 1
  - Round 2 CBAs: Includes all areas in which the competitive bidding policy was implemented for Round 2
  - Non-Competitive Bid Regions: Includes all regions nationally that are not part of Rounds 1 or 2 of competitive bidding

### **Outcome Definitions:**

- Death: As observed in the Medicare Enrollment Database
- Hospitalization: As indicated by the service date of Inpatient (IP) claim
- ER: As indicated by the service date of Outpatient (OP) claim with emergency room flag
- Physician Visit: As indicated by the service date of Carrier (PB) claim
- SNF Admission: As indicated by the date of admission to a skilled nursing facility (SNF)
- IP Days: As indicated by the dates on a beneficiary's IP claims
- SNF Days: As indicated by dates on a beneficiary's SNF claims