

(H) Other DME: Medicare DME Fee Schedule amounts.

(I) Enteral/Parenteral Supplies: Medicare Parenteral and Enteral Nutrition Fee Schedule amounts.

(J) Surgical Dressings and Supplies: Medicare DME Fee Schedule amounts.

(K) Vision Items—Other Than Lenses: Medicare DME Fee Schedule amounts.

(L) Vision Items—Lenses: Medicare DME Fee Schedule amounts.

(M) Hearing Items: Ingenix/St. Anthony's RBRVS Practice Expense RVUs.

(ii) *Charge amounts.* Using combined Part B and DME components of the Medicare Standard Analytical File 5% Sample, the median billed charge is calculated for each HCPCS code. A mathematical approximation methodology based on least squares techniques is applied to the RVUs specified for each of the groups set forth in paragraph (l)(2)(i) of this section, yielding two charge amounts for each HCPCS code group: a charge amount per incremental RVU, and a fixed charge amount.

(iii) *80th Percentile to median charge ratios.* Two ratios are obtained for each HCPCS code group set forth in paragraph (l)(2)(i) of this section by dividing the weighted average 80th percentile charge by the weighted average median charge derived from two data sources: Medicare data, as represented by the combined Part B and DME components of the Medicare Standard Analytical File 5% Sample; and the MDR database. Charge frequencies from the Medicare data are used as weights when calculating all weighted averages. For each HCPCS code group, the smaller of the two ratios is selected as the adjustment from median to 80th percentile charges.

(iv) *Trending forward.* The charges for each HCPCS code, obtained as described in paragraph (l)(2)(iii) of this section, are trended forward based on changes to the medical care commodities component of the CPI-U. Actual CPI-U changes are used from the time period of the source data through the latest available month as of the time the calculations are performed. The three-month average annual trend rate as of the latest available month is then held constant to the midpoint of the calendar year in which the charges are primarily expected to be used. The projected total CPI-U change so obtained is then applied to the 80th percentile charges, as described in paragraph (l)(2)(iii) of this section.

(3) *Nationwide 80th percentile charges for HCPCS codes without RVUs.* For each applicable HCPCS code, 80th percentile charges are extracted from

three independent data sources: the MDR database; Medicare, as represented by the combined Part B and DME components of the Medicare Standard Analytical File 5 percent Sample; and Milliman USA, Inc., Optimized HMO (Health Maintenance Organization) Data Sets (*see* paragraph (a)(3) of this section for Data Sources). Charges from each database are then trended forward to the effective time period for the charges, as set forth in paragraph (l)(3)(i) of this section. Charges for each HCPCS code from each data source are combined into an average 80th percentile charge by means of the methodology set forth in paragraph (l)(3)(ii) of this section. The results constitute the nationwide 80th percentile charge for each applicable HCPCS code.

(i) *Trending forward.* The charges from each database for each HCPCS code, obtained as described in paragraph (l)(3) of this section, are trended forward based on changes to the medical care commodities component of the CPI-U. Actual CPI-U changes are used from the time period of each source database through the latest available month as of the time the calculations are performed. The three-month average annual trend rate as of the latest available month is then held constant to the midpoint of the calendar year in which the charges are primarily expected to be used. The projected total CPI-U change so obtained is then applied to the 80th percentile charges, as described in paragraph (l)(3) of this section.

(ii) *Averaging methodology.* The average 80th percentile trended charge for any particular HCPCS code is calculated by first computing a preliminary mean average of the three charges for each HCPCS code. Statistical outliers are identified and removed by testing whether any charge differs from the preliminary mean charge by more than 5 times the preliminary mean charge, or by less than 0.2 times the preliminary mean charge. In such cases, the charge most distant from the preliminary mean is removed as an outlier, and the average charge is calculated as a mean of the two remaining charges. In cases where none of the charges differ from the preliminary mean charge by more than 5 times the preliminary mean charge, or less than 0.2 times the preliminary mean charge, the average charge is calculated as a mean of all three reported charges.

(4) *Nationwide 80th percentile charges for HCPCS codes designated as unlisted or unspecified.* For HCPCS codes designated as unlisted or unspecified procedures, services, items,

or supplies, 80th percentile charges are developed based on the weighted median 80th percentile charges of HCPCS codes within the series in which the unlisted or unspecified code occurs. A nationwide VA distribution of procedures, services, items, and supplies is used for the purpose of computing the weighted median.

(5) *Geographic area adjustment factors.* For the purpose of geographic adjustment, HCPCS codes are combined into two groups: drugs and DME/supplies, as set forth in paragraph (l)(5)(i) of this section. The geographic area adjustment factor for each of these groups is calculated as the ratio of the area-specific weighted average charge determined pursuant to paragraph (l)(5)(ii) of this section divided by the nationwide weighted average charge determined pursuant to paragraph (l)(5)(iii) of this section.

(i) *Combined HCPCS code groups for geographic area adjustment factors for DME, drugs, injectables, and other medical services, items, and supplies.* For the purpose of the statistical methodology set forth in paragraph (l)(5) of this section, each of the HCPCS code groups set forth in paragraph (l)(2)(i) of this section is assigned to one of two combined HCPCS code groups, as follows:

- (A) Chemotherapy Drugs: Drugs.
- (B) Other Drugs: Drugs.
- (C) DME—Hospital Beds: DME/supplies.
- (D) DME—Medical/Surgical Supplies: DME/supplies.
- (E) DME—Orthotic Devices: DME/supplies.
- (F) DME—Oxygen and Supplies: DME/supplies.
- (G) DME—Wheelchairs: DME/supplies.
- (H) Other DME: DME/supplies.
- (I) Enteral/Parenteral Supplies: DME/supplies.
- (J) Surgical Dressings and Supplies: DME/supplies.
- (K) Vision Items—Other Than Lenses: DME/supplies.
- (L) Vision Items—Lenses: DME/supplies.
- (M) Hearing Items: DME/supplies.

(ii) *Area-specific weighted average charges.* Using the median charges by HCPCS code from the MDR database for each geographic area and utilization frequencies by HCPCS code from the combined Part B and DME components of the Medicare Standard Analytical File 5 percent Sample, an area-specific weighted average charge is calculated for each combined HCPCS code group.

(iii) *Nationwide weighted average charges.* Using the area-specific weighted average charges determined