

conversion factor by the MDR base units for each CPT/HCPCS code. An adjusted 80th percentile conversion factor by CPT/HCPCS code is then calculated by dividing the nationwide 80th percentile fee for each procedure code by the anesthesia base units (as compiled by CMS) for that CPT/HCPCS code. Finally, a nationwide weighted average 80th percentile conversion factor is calculated using combined frequencies for billed base units and time units from the part B component of the Medicare Standard Analytical File 5 percent Sample as weights.

(ii) *Trending forward.* The nationwide conversion factor, obtained as described in paragraph (g)(3)(i) of this section, is trended forward based on changes to the physicians' services 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 conversion factor.

(iii) *Geographic area adjustment factors.* The preliminary 80th percentile conversion factors for each geographic area described in paragraph (g)(3)(i) of this section are divided by the corresponding preliminary nationwide 80th percentile conversion factor also described in paragraph (g)(3)(i). The resulting ratios are the adjustment factors for each geographic area.

(h) *Professional charges for dental services identified by HCPCS Level II codes.* When VA provides or furnishes outpatient dental professional services within the scope of care referred to in paragraph (a)(1) of this section, and such services are identified by HCPCS code rather than CPT code, the charges billed for such services will be determined in accordance with the provisions of this paragraph. The charges for dental services vary by geographic area and by HCPCS code. These charges are calculated as follows:

(1) *Formula.* For each HCPCS dental code, multiply the nationwide 80th percentile charge determined pursuant to paragraph (h)(2) of this section by the appropriate geographic area adjustment factor determined pursuant to paragraph (h)(3) of this section. The result constitutes the area-specific dental charge.

(2) *Nationwide 80th percentile charges by HCPCS code.* For each HCPCS dental code, 80th percentile charges are extracted from three

independent data sources: Prevailing Healthcare Charges System database; National Dental Advisory Service nationwide pricing index; and the Dental UCR Module of the Comprehensive Healthcare Payment System, a release from Ingenix from a nationwide database of dental charges (see paragraph (a)(3) of this section for Data Sources). Charges for each database are then trended forward to a common date, based on actual changes to the dental services component of the CPI-U. Charges for each HCPCS dental code from each data source are combined into an average 80th percentile charge by means of the methodology set forth in paragraph (h)(2)(i) of this section. HCPCS dental codes designated as unlisted are assigned 80th percentile charges by means of the methodology set forth in paragraph (h)(2)(ii) of this section. Finally, the resulting amounts are each trended forward to the effective time period for the charges, as set forth in paragraph (h)(2)(iii) of this section. The results constitute the nationwide 80th percentile charge for each HCPCS dental code.

(i) *Averaging methodology.* The average charge for any particular HCPCS dental code is calculated by first computing a preliminary mean average of the three charges for each code. Statistical outliers are identified and removed by testing whether any charge differs from the preliminary mean charge by more than 50 percent of 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 50 percent of the preliminary mean charge, the average charge is calculated as a mean of all three reported charges.

(ii) *Nationwide 80th percentile charges for HCPCS dental codes designated as unlisted procedures.* For HCPCS dental codes designated as unlisted procedures, 80th percentile charges are developed based on the weighted median 80th percentile charge of HCPCS dental codes within the series in which the unlisted procedure code occurs. The distribution of procedures and services from the Prevailing Healthcare Charges System nationwide commercial insurance database is used for the purpose of computing the weighted median.

(iii) *Trending forward.* 80th percentile charges for each dental procedure code, obtained as described in paragraph (h)(2) of this section, are trended forward based on the dental services

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.

(3) *Geographic area adjustment factors.* A geographic adjustment factor (consisting of the ratio of the level of charges in a given geographic area to the nationwide level of charges) for each geographic area and dental class of service is obtained from Milliman USA, Inc., Dental Health Cost Guidelines, a database of nationwide commercial insurance charges and relative costs; and a normalized geographic adjustment factor computed from the Dental UCR Module of the Comprehensive Healthcare Payment System compiled by Ingenix, as follows: Using local and nationwide average charges reported in the Ingenix data, a local weighted average charge for each dental class of procedure codes is calculated using utilization frequencies from the Milliman USA, Inc., Dental Health Cost Guidelines as weights (see paragraph (a)(3) of this section for Data Sources). Similarly, using nationwide average charge levels, a nationwide average charge by dental class of procedure codes is calculated. The normalized geographic adjustment factor for each dental class of procedure codes and for each geographic area is the ratio of the local average charge divided by the corresponding nationwide average charge. Finally, the geographic area adjustment factor is the arithmetic average of the corresponding factors from the data sources mentioned in the first sentence of this paragraph (h)(3).

(i) *Pathology and laboratory charges.* When VA provides or furnishes pathology and laboratory services within the scope of care referred to in paragraph (a)(1) of this section, charges billed for such services will be determined in accordance with the provisions of this paragraph. Pathology and laboratory charges consist of charges for services that vary by geographic area and by CPT/HCPCS code. These charges are calculated as follows:

(1) *Formula.* For each CPT/HCPCS code, multiply the total geographically-adjusted RVUs determined pursuant to paragraph (i)(2) of this section by the applicable geographically-adjusted conversion factor (a monetary amount) determined pursuant to paragraph (i)(3)