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## **Medical**

Book I

Title 38, Parts 17, 46, 47, 51–53,  
58–64, 70, 71, and 200

Supplement No. 117

Covering period of *Federal Register* issues  
through August 1, 2018

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**GENERAL INSTRUCTIONS**

Custom Federal Regulations Service™

**Supplemental Materials for *Book I***

**Code of Federal Regulations**

**Title 38, Parts 17, 46, 47, 51–53, 58–64, 70, 71, and 200**

***Medical***

**Supplement No. 117**

5 August 2018

Covering the period of Federal Register issues  
through August 1, 2018

When **Book I** was originally prepared, it was current through final regulations published in the *Federal Register* of 15 January 2000. These supplemental materials are designed to keep your regulations up to date. You should file the attached pages immediately, and record the fact that you did so on the *Supplement Filing Record* which is at page I-8 of Book I, *Medical*.

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**FILING INSTRUCTIONS**

**Book I, Supplement No. 117  
August 5, 2018**

*Remove these  
old pages*

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17.101-3 to 17.101-26

17.101-3 to 17.101-26

§§17.101

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## HIGHLIGHTS

### Book I, Supplement No. 117 August 5, 2018

**Supplement Highlights references:** Where substantive changes are made in the text of regulations, the paragraphs of *Highlights* sections are cited at the end of the relevant section of text. Thus, if you are reading §17.100, you will see a note at the end of that section which reads: “Supplement *Highlights* references—37(1).” This means that paragraph 1 of the *Highlights* section in Supplement No. 37 contains information about the changes made in §17.100. By keeping and filing the *Highlights* sections, you will have a reference source explaining all substantive changes in the text of the regulations.

**Supplement frequency:** Beginning 1 January 2000, supplements for this Book I will be issued *every month* during which a final rule addition or modification is made to the parts of Title 38 covered by this book. Supplements will be numbered consecutively as issued.

#### **Modifications in this supplement include the following:**

1. On 6 July 2018, the VA published an interim final rule effective 6 August 2018, to amend its medical regulations to clarify that VA will not bill third party payers for care and services provided by VA under certain statutory provisions, which we refer to as “special treatment authorities.” These special treatment authorities direct VA to provide care and services to veterans based upon discrete exposures or experiences that occurred during active military, naval, or air service. VA is authorized, but not required by law, to recover or collect charges for care and services provided to veterans for non-service-connected disabilities. This rule establishes that VA will not exercise its authority to recover or collect reasonable charges from third party payers for care and services provided under the special treatment authorities. Change:

- In §17.101, added paragraph (a)(9).

*RBRVS* means Resource-Based Relative Value Scale.

*RVU* means Relative Value Unit.

*Unlisted procedures* mean procedures, services, items, and supplies that have not been defined or specified by the American Medical Association or CMS, and the CPT and HCPCS codes used to report such procedures, services, items, and supplies.

(6) *Provider-based and non-provider-based entities and charges.* Each VA health care entity (medical center, hospital, community-based outpatient clinic, independent outpatient clinic, etc.) is designated as either provider-based or non-provider-based. Provider-based entities are entitled to bill outpatient facility charges; non-provider-based entities are not. The charges for physician and other professional services provided at non-provider-based entities will be billed as professional charges only. Professional charges for both provider-based entities and non-provider-based entities are produced by the methodologies set forth in this section, with professional charges for provider-based entities based on facility practice expense RVUs, and professional charges for non-provider-based entities based on non-facility practice expense RVUs.

(7) *Charges for medical care or services provided by non-VA providers at VA expense.* When medical care or services are furnished at the expense of the VA by non-VA providers, the charges billed for such care or services will be the higher of the charges determined according to this section, or the amount VA paid to the non-VA provider.

(8) *Charges when a new DRG or CPT/HCPCS code identifier does not have an established charge.* When VA does not have an established charge for a new DRG or CPT/HCPCS code to be used in determining a billing charge under the applicable methodology in this section, then VA will establish an interim billing charge or establish an interim charge to be used for determining a billing charge under the applicable methodology in paragraphs (a)(8)(i) through (a)(8)(viii) of this section.

(i) If a new DRG or CPT/HCPCS code identifier replaces a DRG or CPT/HCPCS code identifier, the most recently established charge for the identifier being replaced will continue to be used for determining a billing charge under paragraphs (b), (e), (f), (g), (h), (i), (k), or (l) of this section until such time as VA establishes a charge for the new identifier.

(ii) If medical care or service is provided or furnished at VA expense by a non-VA provider and a charge cannot be established under paragraph (a)(8)(i) of this section, then VA's billing charge for such care or service will be the amount VA paid to the non-VA provider without additional calculations under this section.

(iii) If a new CPT/HCPCS code has been established for a prosthetic device or durable medical equipment subject to paragraph (l) of this section and a charge cannot be established under paragraphs (a)(8)(i) or (ii) of this section, VA's billing charge for such prosthetic device or durable medical equipment will be 1-1/2 times VA's average actual cost without additional calculations under this section.

(iv) If a new medical identifier DRG code has been assigned to a particular type of medical care or service and a charge cannot be established under paragraphs (a)(8)(i) through (iii) of this section, then until such time as VA establishes a charge for the new medical identifier DRG code, the interim charge for use in paragraph (b) of this section will be the average charge of all medical DRG codes that are within plus or minus 10 of the numerical relative weight assigned to the new medical identifier DRG code.

(v) If a new surgical identifier DRG code has been assigned to a particular type of medical care or service and a charge cannot be established under paragraphs (a)(8)(i) through (iv) of this section, then until such time as VA establishes a charge for the new surgical identifier DRG code, the interim charge for use in paragraph (b) of this section will be the average charge of all surgical DRG codes that are within plus or minus 10 of the numerical relative weight assigned to the new surgical identifier DRG code.

(vi) If a new identifier CPT/HCPCS code is assigned to a particular type or item of medical care or service and a charge cannot be established under paragraphs (a)(8)(i) through (v) of this section, then until such time as VA establishes a charge for the new identifier for use in paragraphs (e), (f), (g), (h), (i), (k), or (l) of this section, VA's billing charge will be the Medicare allowable charge multiplied by 1-1/2, without additional calculations under this section.

(vii) If a new identifier CPT/HCPCS code is assigned to a particular type or item of medical care or service and a charge cannot be established under paragraphs (a)(8)(i) through (vi) of this section, then until such time as VA establishes a charge for the new identifier, the interim charge for use in paragraphs (e), (f), (g), (h), (i), (k), or (l) of this section will be the charge for the CPT/HCPCS code that is closest in characteristics to the new CPT/HCPCS code.

(viii) If a charge cannot be established under paragraphs (a)(8)(i) through (a)(8)(vii) of this section, then VA will not charge under this section for the care or service.

(9) Care provided under special treatment authorities.

(i) Notwithstanding any other provisions in this section, VA will not seek recovery or collection of reasonable charges from a third party payer for:

(A) Hospital care, medical services, and nursing home care provided by VA or at VA expense under 38 U.S.C. 1710(a)(2)(F) and (e).

(B) Counseling and appropriate care and services furnished to veterans for psychological trauma authorized under 38 U.S.C. 1720D.

(C) Medical examination, and hospital care, medical services, and nursing home care furnished to veteran for cancer of the head or neck as authorized under 38 U.S.C. 1720E.

(ii) VA may continue to exercise its right to recover or collect reasonable charges from third parties, pursuant to this section, for the cost of care that VA provides to these same veterans for conditions and disabilities that VA determines are not covered by any of the special treatment authorities.

(b) *Acute inpatient facility charges.* When VA provides or furnishes acute inpatient services within the scope of care referred to in paragraph (a)(1) of this section, acute inpatient facility charges billed for such services will be determined in accordance with the provisions of this paragraph. Acute inpatient facility charges consist of per diem charges for room and board and for ancillary services that vary by geographic area and by DRG. These charges are calculated as follows:

(1) *Formula.* For each acute inpatient stay, or portion thereof, for which a particular DRG assignment applies, the total acute inpatient facility charge is the sum of the applicable charges determined pursuant to paragraphs (b)(1)(i), (ii), and (iii) of this section. For purposes of this section, standard room and board days and ICU room and board days are mutually exclusive: VA will bill either a standard room and board per diem charge or an ICU room and board per diem charge, as applicable, for each day of a given acute inpatient stay.

(i) *Standard room and board charges.* Multiply the nationwide standard room and board per diem charge determined pursuant to paragraph (b)(2) of this section by the appropriate geographic area adjustment factor determined pursuant to paragraph (b)(3) of this section. The result constitutes the area-specific standard room and board per diem charge. Multiply this amount by the number of days for which standard room and board charges apply to obtain the total acute inpatient facility standard room and board charge.

(ii) *ICU room and board charges.* Multiply the nationwide ICU room and board per diem charge determined pursuant to paragraph (b)(2) of this section by the appropriate geographic area adjustment factor determined pursuant to paragraph (b)(3) of this section. The result constitutes the area-specific ICU room and board per diem charge. Multiply this amount by the number of days for which ICU room and board per diem charges apply to obtain the total acute inpatient facility ICU room and board charge.

(iii) *Ancillary charges.* Multiply the nationwide ancillary per diem charge determined pursuant to paragraph (b)(2) of this section by the appropriate geographic area adjustment factor determined pursuant to paragraph (b)(3) of this section. The result constitutes the area-specific ancillary per diem charge. Multiply this amount by the number of days of acute inpatient care to obtain the total acute inpatient facility ancillary charge.

*Note to paragraph (b)(1):* If there is a change in a patient's condition and/or treatment during a single acute inpatient stay such that the DRG assignment changes (for example, a psychiatric patient who develops a medical or surgical problem), then calculations of acute inpatient facility charges will be made separately for each DRG, according to the number of days of care applicable for each DRG, and the total acute inpatient facility charge will be the sum of the total acute inpatient facility charges for the different DRGs.

(2) *Per diem charges.* To establish a baseline, two nationwide average per diem amounts for each DRG are calculated, one from the MedPAR file and one from the MedStat claims database, a database of nationwide commercial insurance claims. Average per diem charges are calculated based on all available charges, except for care reported for emergency room, ambulance, professional, and observation care. These two data sources may report charges for two differing periods of time; when this occurs, the data source charges with the earlier center date are trended forward to the center date of the other data source, based on changes to the inpatient hospital services component of the CPI-U. Results obtained from these two data sources are then combined into a single weighted average per diem charge for each DRG. The resulting charge for each DRG is then separated into its two components, a room and board component and an ancillary component, with the per diem charge for each component calculated by multiplying the weighted average per diem charge by the corresponding percentage determined pursuant to paragraph (b)(2)(i) of this section. The room and board per diem charge is further differentiated into a standard room and board per diem charge and an ICU room and board per diem charge by multiplying the average room and board charge by the corresponding DRG-specific ratios determined pursuant to paragraph (b)(2)(ii) of this section. The resulting per diem charges for standard room and board, ICU room and board, and ancillary services for each DRG are then each multiplied by the final ratio determined pursuant to paragraph (b)(2)(iii) of this section to reflect the nationwide 80th percentile charges. Finally, the resulting amounts are each trended forward from the center date of the trended data sources to the effective time period for the charges, as set forth in paragraph (b)(2)(iv) of this section. The results constitute the nationwide 80th percentile standard room and board, ICU room and board, and ancillary per diem charges.

(i) *Room and board charge and ancillary charge component percentages.*

Using only those cases from the MedPAR file for which a distinction between room and board charges and ancillary charges can be determined, the percentage of the total charges for room and board compared to the combined total charges for room and board and ancillary services, and the percentage of the total charges for ancillary services compared to the combined total charges for room and board and ancillary services, are calculated by DRG.

(ii) *Standard room and board per diem charge and ICU room and board per diem charge ratios.* Using only those cases from the MedPAR file for which a distinction between room and board and ancillary charges can be determined, overall average per diem room and board charges are calculated by DRG. Then, using the same cases, an average standard room and board per diem charge is calculated by dividing total non-ICU room and board charges by total non-ICU room and board days. Similarly, an average ICU room and board per diem charge is calculated by dividing total ICU room and board charges by total ICU room and board days. Finally, ratios of standard room and board per diem charges to average overall room and board per diem charges are calculated by DRG, as are ratios of ICU room and board per diem charges to average overall room and board per diem charges.

(iii) *80th percentile.* Using cases from the MedPAR file with separately identifiable semi-private room rates, the ratio of the day-weighted 80th percentile semi-private room and board per diem charge to the average semi-private room and board per diem charge is obtained for each geographic area. The geographic area-based ratios are averaged to obtain a final 80th percentile ratio.

(iv) *Trending forward.* 80th percentile charges for each DRG, obtained as described in paragraph (b)(2) of this section, are trended forward based on changes to the inpatient hospital services component of the CPI-U. Actual CPI-U changes are used from the center date of the trended data sources 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.* For each geographic area, the average per diem room and board charges and ancillary charges from the MedPAR file are calculated for each DRG. The DRGs are separated into two groups, surgical and non-surgical. For each of these groups of DRGs, for each geographic area, average room and board per diem charges and ancillary per diem charges are calculated, weighted by nationwide VA discharges and by average lengths of stay from the combined MedPAR file and MedStat claims database. This results in four average per diem charges for each geographic area: room and board for surgical DRGs, ancillary for surgical DRGs, room and board for non-surgical DRGs, and ancillary for non-surgical DRGs. Four corresponding national average per diem charges are obtained from the MedPAR file, weighted by nationwide VA discharges and by average lengths of stay from the combined MedPAR file and MedStat claims database. Four geographic area adjustment factors are then calculated for each geographic area by dividing each geographic area average per diem charge by the corresponding national average per diem charge.

(c) *Skilled nursing facility/sub-acute inpatient facility charges.* When VA provides or furnishes skilled nursing/sub-acute inpatient services within the scope of care referred to in paragraph (a)(1) of this section, skilled nursing facility/sub-acute inpatient facility charges billed for such services will be determined in accordance with the provisions of this paragraph. The skilled nursing facility/sub-acute inpatient facility charges are per diem charges that vary by geographic area. The facility charges cover care, including room and board, nursing care, pharmaceuticals, supplies, and skilled rehabilitation services (e.g., physical therapy, inhalation therapy, occupational therapy, and speech-language pathology), that is provided in a nursing home or hospital inpatient setting, is provided under a physician's orders, and is performed by or under the general supervision of professional personnel such as registered nurses, licensed practical nurses, physical therapists, occupational therapists, speech-language pathologists, and audiologists. These charges are calculated as follows:

(1) *Formula.* For each stay, multiply the nationwide per diem charge determined pursuant to paragraph (c)(2) of this section by the appropriate geographic area adjustment factor determined pursuant to paragraph (c)(3) of this section. The result constitutes the area-specific per diem charge. Finally, multiply the area-specific per diem charge by the number of days of care to obtain the total skilled nursing facility/sub-acute inpatient facility charge.

(2) *Per diem charge.* To establish a baseline, a nationwide average per diem billed charge is calculated based on charges reported in the MedPAR skilled nursing facility file. For this purpose, the following MedPAR charge categories are included: room and board (private, semi-private, and ward), physical therapy, occupational therapy, inhalation therapy, speech-

language pathology, pharmacy, medical/surgical supplies, and “other” services. The following MedPAR charge categories are excluded from the calculation of the per diem charge and will be billed separately, using the charges determined as set forth in other applicable paragraphs of this section, when these services are provided to skilled nursing patients or sub-acute inpatients: ICU and CCU room and board, laboratory, radiology, cardiology, dialysis, operating room, blood and blood administration, ambulance, MRI, anesthesia, durable medical equipment, emergency room, clinic, outpatient, professional, lithotripsy, and organ acquisition services. The resulting average per diem billed charge is then multiplied by the 80th percentile adjustment factor determined pursuant to paragraph (c)(2)(i) of this section to obtain a nationwide 80th percentile charge level. Finally, the resulting amount is trended forward to the effective time period for the charges, as set forth in paragraph (c)(2)(ii) of this section.

(i) *80th percentile adjustment factor.* Using the MedPAR skilled nursing facility file, the ratio of the day-weighted 80th percentile room and board per diem charge to the day-weighted average room and board per diem charge is obtained for each geographic area. The geographic area-based ratios are averaged to obtain the 80th percentile adjustment factor.

(ii) *Trending forward.* The 80th percentile charge is trended forward based on changes to the inpatient hospital 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 charge.

(3) *Geographic area adjustment factors.* The average billed per diem charge for each geographic area is calculated from the MedPAR skilled nursing facility file. This amount is divided by the nationwide average billed charge calculated in paragraph (c)(2) of this section. The geographic area adjustment factor for charges for each VA facility is the ratio for the geographic area in which the facility is located.

(d) *Partial hospitalization facility charges.* When VA provides or furnishes partial hospitalization services that are within the scope of care referred to in paragraph (a)(1) of this section, the facility charges billed for such services will be determined in accordance with the provisions of this paragraph. Partial hospitalization facility charges are per diem charges that vary by geographic area. These charges are calculated as follows:

(1) *Formula.* For each partial hospitalization stay, multiply the nationwide per diem charge determined pursuant to paragraph (d)(2) of this section by the appropriate geographic area adjustment factor determined pursuant to paragraph (d)(3) of this section. The result constitutes the area-specific per diem charge. Finally, multiply the area-specific per diem charge by the number of days of care to obtain the total partial hospitalization facility charge.

(2) *Per diem charge.* To establish a baseline, a nationwide median per diem billed charge is calculated based on charges associated with partial hospitalization from the outpatient facility component of the Medicare Standard Analytical File 5 percent Sample. That median per diem billed charge is then multiplied by the 80th percentile adjustment factor determined

pursuant to paragraph (d)(2)(i) of this section to obtain a nationwide 80th percentile charge level. Finally, the resulting amount is trended forward to the effective time period for the charges, as set forth in paragraph (d)(2)(ii) of this section.

(i) *80th percentile adjustment factor.* The 80th percentile adjustment factor for partial hospitalization facility charges is the same as that computed for skilled nursing facility/sub-acute inpatient facility charges under paragraph (c)(2)(i) of this section.

(ii) *Trending forward.* The 80th percentile charge is trended forward based on changes to the outpatient hospital 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, as described in paragraph (d)(2) of this section.

(3) *Geographic area adjustment factors.* The geographic area adjustment factors for partial hospitalization facility charges are the same as those computed for outpatient facility charges under paragraph (e)(4) of this section.

(e) *Outpatient facility charges.* When VA provides or furnishes outpatient facility services that are within the scope of care referred to in paragraph (a)(1) of this section, the charges billed for such services will be determined in accordance with the provisions of this paragraph. Charges for outpatient facility services vary by geographic area and by CPT/HCPCS code. These charges apply in the situations set forth in paragraph (e)(1) of this section and are calculated as set forth in paragraph (e)(2) of this section.

(1) *Settings and circumstances in which outpatient facility charges apply.* Outpatient facility charges consist of facility charges for procedures, diagnostic tests, evaluation and management services, and other medical services, items, and supplies provided in the following settings and circumstances:

(i) Outpatient departments and clinics at VA medical centers;

(ii) Other VA provider-based entities; and

(iii) VA non-provider-based entities, for procedures and tests for which no corresponding professional charge is established under the provisions of paragraph (f) of this section.

(2) *Formula.* For each outpatient facility charge CPT/HCPCS code, multiply the nationwide 80th percentile charge determined pursuant to paragraph (e)(3) of this section by the appropriate geographic area adjustment factor determined pursuant to paragraph (e)(4) of this section. The result constitutes the area-specific outpatient facility charge. When multiple surgical procedures are performed during the same outpatient encounter by a provider or provider team, the outpatient facility charges for such procedures will be reduced as set forth in paragraph (e)(5) of this section.

(3) *Nationwide 80th percentile charges by CPT/HCPCS code.* For each CPT/HCPCS code for which outpatient facility charges apply, the nationwide 80th percentile charge is calculated as set forth in either paragraph (e)(3)(i) or (e)(3)(ii) of this section. The resulting amount is trended forward to the effective time period for the charges, as set forth in paragraph (e)(3)(iii) of this section. The results constitute the nationwide 80th percentile outpatient facility charges by CPT/HCPCS code.

(i) *Nationwide 80th percentile charges for CPT/HCPCS codes which have APC assignments.* Using the outpatient facility charges reported in the outpatient facility component of the Medicare Standard Analytical File 5 percent Sample, claim records are selected for which all charges can be assigned to an APC. Using this subset of the 5 percent Sample data, nationwide median charge to Medicare APC payment amount ratios, by APC, and nationwide 80th percentile to median charge ratios, by APC, are computed according to the methodology set forth in paragraphs (e)(3)(i)(A) and (e)(3)(i)(B) of this section, respectively. The product of these two ratios by APC is then computed, resulting in a composite nationwide 80th percentile charge to Medicare APC payment amount ratio. This ratio is then compared to the alternate nationwide 80th percentile charge to Medicare APC payment amount ratio computed in paragraph (e)(3)(i)(C) of this section, and the lesser amount is selected and multiplied by the current Medicare APC payment amount. The resulting product is the APC-specific nationwide 80th percentile charge amount for each applicable CPT/HCPCS code.

(A) *Nationwide median charge to Medicare APC payment amount ratios.* For each CPT/HCPCS code, the ratio of median billed charge to Medicare APC payment amount is determined. The weighted average of these ratios for each APC is then obtained, using the reported 5 percent Sample frequencies as weights. In addition, corresponding ratios are calculated for each of the APC categories set forth in paragraph (e)(3)(i)(D) of this section, again using the reported 5 percent Sample frequencies as weights. For APCs where the 5 percent Sample frequencies provide a statistically credible result, the APC-specific weighted average nationwide median charge to Medicare APC payment amount ratio so obtained is accepted without further adjustment. However, if the 5 percent Sample data do not produce statistically credible results for any specific APC, then the APC category-specific ratio is applied for that APC.

(B) *Nationwide 80th percentile to median charge ratios.* For each CPT/HCPCS code, a geographically normalized nationwide 80th percentile billed charge amount is divided by a similarly normalized nationwide median billed charge amount. The weighted average of these ratios for each APC is then obtained, using the reported 5 percent Sample frequencies as weights. In addition, corresponding ratios are calculated for each of the APC categories set forth in paragraph (e)(3)(i)(D) of this section, again using the reported 5 percent Sample frequencies as weights. For APCs where the 5 percent Sample frequencies provide a statistically credible result, the APC-specific weighted average nationwide 80th percentile to median charge ratio so obtained is accepted without further adjustment. However, if the 5 percent Sample data do not produce statistically credible results for any specific APC, then the APC category-specific ratio is applied for that APC.

(C) *Alternate nationwide 80th percentile charge to Medicare APC payment amount ratios.* A minimum 80th percentile charge to Medicare APC payment amount ratio is set at 2.0 for APCs with Medicare APC payment amounts of \$25 or less. A maximum 80th percentile charge to Medicare APC payment amount ratio is set at 6.5 for APCs with Medicare APC payment amounts of \$10,000 or more. Using linear interpolation with these endpoints, the alternate APC-specific nationwide 80th percentile charge to Medicare APC payment amount ratio is then computed, based on the Medicare APC payment amount.

(D) *APC categories for the purpose of establishing 80th percentile to median factors.* For the purpose of the statistical methodology set forth in paragraph (e)(3)(i) of this section, APCs are assigned to the following APC categories:

- (1) Radiology.
- (2) Drugs.
- (3) Office, Home, and Urgent Care Visits.
- (4) Cardiovascular.
- (5) Emergency Room Visits.
- (6) Outpatient Psychiatry, Alcohol and Drug Abuse.
- (7) Pathology.
- (8) Surgery.
- (9) Allergy Immunotherapy, Allergy Testing, Immunizations, and Therapeutic Injections.
- (10) All APCs not assigned to any of the above groups.

(ii) *Nationwide 80th percentile charges for CPT/HCPCS codes which do not have APC assignments.* Nationwide 80th percentile billed charge levels by CPT/HCPCS code are computed from the outpatient facility component of the MDR database, from the MedStat claims database, and from the outpatient facility component of the Medicare Standard Analytical File 5 percent Sample. If the MDR database contains sufficient data to provide a statistically credible 80th percentile charge, then that result is retained for this purpose. If the MDR database does not provide a statistically credible 80th percentile charge, then the result from the MedStat database is retained for this purpose, provided it is statistically credible. If neither the MDR nor the MedStat databases provide statistically credible results, then the nationwide 80th percentile billed charge computed from the 5 percent Sample data is retained for this purpose. The nationwide 80th percentile charges retained from each of these data sources are trended forward to the effective time period for the charges, as set forth in paragraph (e)(3)(iii) of this section.

(iii) *Trending forward.* The charges for each CPT/HCPCS code, obtained as described in paragraph (e)(3) of this section, are trended forward based on changes to the outpatient hospital 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, as described in paragraph (e)(3) of this section.

(4) *Geographic area adjustment factors.* For each geographic area, a single adjustment factor is calculated as the arithmetic average of the outpatient geographic area adjustment factor published in the Milliman USA, Inc., Health Cost Guidelines (this factor constitutes the ratio of the level of charges for each geographic area to the nationwide level of charges), and a geographic area adjustment factor developed from the MDR database (see paragraph (a)(3) of this section for Data Sources). The MDR-based geographic area adjustment factors are calculated as the ratio of the CPT/HCPCS code weighted average charge level for each geographic area to the nationwide CPT/HCPCS code weighted average charge level.

(5) *Multiple surgical procedures.* When multiple surgical procedures are performed during the same outpatient encounter by a provider or provider team as indicated by multiple surgical CPT/HCPCS procedure codes, then each CPT/HCPCS procedure code will be billed at 100 percent of the charges established under this section.

(f) *Physician and other professional charges except for anesthesia services and certain dental services.* When VA provides or furnishes physician and other professional services, other than professional anesthesia services and certain professional dental services, within the scope of care referred to in paragraph (a)(1) of this section, physician and other professional charges billed for such services will be determined in accordance with the provisions of this paragraph. Charges for professional dental services identified by CPT code are determined in accordance with the provisions of this paragraph; charges for professional dental services identified by HCPCS Level II code are determined in accordance with the provisions of paragraph (h) of this section. Physician and other professional charges consist of charges for professional services that vary by geographic area, by CPT/HCPCS code, by site of service, and by modifier, where applicable. These charges are calculated as follows:

(1) *Formula.* For each CPT/HCPCS code or, where applicable, each CPT/HCPCS code and modifier combination, multiply the total geographically-adjusted RVUs determined pursuant to paragraph (f)(2) of this section by the applicable geographically-adjusted conversion factor (a monetary amount) determined pursuant to paragraph (f)(3) of this section to obtain the physician charge for each CPT/HCPCS code in a particular geographic area. Then, multiply this charge by the appropriate factors for any charge-significant modifiers, determined pursuant to paragraph (f)(4) of this section.

(2) (i) *Total geographically-adjusted RVUs for physician services that have Medicare RVUs.* The work expense and practice expense RVUs for CPT/HCPCS codes, other than the codes described in paragraphs (f)(2)(ii) and (f)(2)(iii) of this section, are compiled using Medicare Physician Fee Schedule RVUs. The sum of the geographically-adjusted work expense RVUs determined pursuant to paragraph (f)(2)(i)(A) of this section and the geographically-adjusted practice expense RVUs determined pursuant to paragraph (f)(2)(i)(B) of this section equals the total geographically-adjusted RVUs.

(A) *Geographically-adjusted work expense RVUs.* For each CPT/HCPCS code for each geographic area, the Medicare Physician Fee Schedule work expense RVUs are multiplied by the work expense Medicare Geographic Practice Cost Index. The result constitutes the geographically-adjusted work expense RVUs.

(B) *Geographically-adjusted practice expense RVUs.* For each CPT/HCPCS code for each geographic area, the Medicare Physician Fee Schedule practice expense RVUs are multiplied by the practice expense Medicare Geographic Practice Cost Index. The result constitutes the geographically-adjusted practice expense RVUs. In these calculations, facility practice expense RVUs are used to obtain geographically-adjusted practice expense RVUs for use by provider-based entities, and non-facility practice expense RVUs are used to obtain geographically-adjusted practice expense RVUs for use by non-provider-based entities.

(ii) *RVUs for CPT/HCPCS codes that do not have Medicare RVUs and are not designated as unlisted procedures.* For CPT/HCPCS codes that are not assigned RVUs in paragraphs (f)(2)(i) or (f)(2)(iii) of this section, total RVUs are developed based on various charge data sources. For these CPT/HCPCS codes, the nationwide 80th percentile billed charges are obtained, where statistically credible, from the MDR database. For any remaining CPT/HCPCS codes, the nationwide 80th percentile billed charges are obtained, where statistically credible, from the Part B component of the Medicare Standard Analytical File 5 percent Sample. For any remaining CPT/HCPCS codes, the nationwide 80th percentile billed charges are obtained, where statistically credible, from the Prevailing Healthcare Charges System nationwide commercial insurance database. For each of these CPT/HCPCS codes, nationwide total RVUs are obtained by taking the nationwide 80th percentile billed charges obtained using the preceding three databases and dividing by the untrended nationwide conversion factor for the corresponding CPT/HCPCS code group determined pursuant to paragraphs (f)(3) and (f)(3)(i) of this section. For any remaining CPT/HCPCS codes that have not been assigned RVUs using the preceding data sources, the nationwide total RVUs are calculated by summing the work expense and non-facility practice expense RVUs found in Ingenix/St. Anthony's RBRVS. The resulting nationwide total RVUs obtained using these four data sources are multiplied by the geographic area adjustment factors determined pursuant to paragraph (f)(2)(iv) of this section to obtain the area-specific total RVUs.

(iii) *RVUs for CPT/HCPCS codes designated as unlisted procedures.* For CPT/HCPCS codes designated as unlisted procedures, total RVUs are developed based on the weighted median of the total RVUs of CPT/HCPCS codes within the series in which the unlisted procedure code occurs. A nationwide VA distribution of procedures and services is used for the purpose of computing the weighted median. The resulting nationwide total RVUs are multiplied by the geographic area adjustment factors determined pursuant to paragraph (f)(2)(iv) of this section to obtain the area-specific total RVUs.

(iv) *RVU geographic area adjustment factors for CPT/HCPCS codes that do not have Medicare RVUs, including codes that are designated as unlisted procedures.* The adjustment factor for each geographic area consists of the weighted average of the work expense and practice expense Medicare Geographic Practice Cost Indices for each geographic area using charge data for representative CPT/HCPCS codes statistically selected and weighted for work expense and practice expense.

(3) *Geographically-adjusted 80th percentile conversion factors.* CPT/HCPCS codes are separated into the following 23 CPT/HCPCS code groups: allergy immunotherapy, allergy testing, cardiovascular, chiropractor, consults, emergency room visits and observation care, hearing/speech exams, immunizations, inpatient visits, maternity/cesarean deliveries,

maternity/non-deliveries, maternity/normal deliveries, miscellaneous medical, office/home/urgent care visits, outpatient psychiatry/alcohol and drug abuse, pathology, physical exams, physical medicine, radiology, surgery, therapeutic injections, vision exams, and well baby exams. For each of the 23 CPT/HCPCS code groups, representative CPT/HCPCS codes are statistically selected and weighted so as to give a weighted average RVU comparable to the weighted average RVU of the entire CPT/HCPCS code group (the selected CPT/HCPCS codes are set forth in the Milliman USA, Inc., Health Cost Guidelines fee survey); see paragraph (a)(3) of this section for Data Sources. The 80th percentile charge for each selected CPT/HCPCS code is obtained from the MDR database. A nationwide conversion factor (a monetary amount) is calculated for each CPT/HCPCS code group as set forth in paragraph (f)(3)(i) of this section. The nationwide conversion factors for each of the 23 CPT/HCPCS code groups are trended forward to the effective time period for the charges, as set forth in paragraph (f)(3)(ii) of this section. The resulting amounts for each of the 23 groups are multiplied by geographic area adjustment factors determined pursuant to paragraph (f)(3)(iii) of this section, resulting in geographically-adjusted 80th percentile conversion factors for each geographic area for the 23 CPT/HCPCS code groups for the effective charge period.

(i) *Nationwide conversion factors.* Using the nationwide 80th percentile charges for the selected CPT/HCPCS codes from paragraph (f)(3) of this section, a nationwide conversion factor is calculated for each of the 23 CPT/HCPCS code groups by dividing the weighted average charge by the weighted average RVU.

(ii) *Trending forward.* The nationwide conversion factors for each of the 23 CPT/HCPCS code groups, obtained as described in paragraph (f)(3)(i) of this section, are 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 23 conversion factors.

(iii) *Geographic area adjustment factors.* Using the 80th percentile charges for the selected CPT/HCPCS codes from paragraph (f)(3) of this section for each geographic area, a geographic area-specific conversion factor is calculated for each of the 23 CPT/HCPCS code groups by dividing the weighted average charge by the weighted average geographically-adjusted RVU. The resulting conversion factor for each geographic area for each of the 23 CPT/HCPCS code groups is divided by the corresponding nationwide conversion factor determined pursuant to paragraph (f)(3)(i) of this section. The resulting ratios are the geographic area adjustment factors for the conversion factors for each of the 23 CPT/HCPCS code groups for each geographic area.

(4) *Charge adjustment factors for specified CPT/HCPCS code modifiers.* Surcharges are calculated in the following manner: From the Part B component of the Medicare Standard Analytical File 5 percent Sample, the ratio of weighted average billed charges for CPT/HCPCS codes with the specified modifier to the weighted average billed charge for CPT/HCPCS codes with no charge modifier is calculated, using the frequency of procedure

codes with the modifier as weights in both weighted average calculations. The resulting ratios constitute the surcharge factors for specified charge-significant CPT/HCPCS code modifiers.

(5) *Certain charges for providers other than physicians.* When services for which charges are established according to the preceding provisions of this paragraph (f) are performed by providers other than physicians, the charges for those services will be as determined by the preceding provisions of this paragraph, except as follows:

(i) *Outpatient facility charges.* When the services of providers other than physicians are furnished in outpatient facility settings or in other facilities designated as provider-based, and outpatient facility charges for those services have been established under paragraph (e) of this section, then the outpatient facility charges established under paragraph (e) will apply instead of the charges established under this paragraph (f).

(ii) *Charges for professional services.* Charges for the professional services of the following providers will be 100 percent of the amount that would be charged if the care had been provided by a physician:

- (A) Nurse practitioner.
- (B) Clinical nurse specialist.
- (C) Physician Assistant.
- (D) Clinical psychologist.
- (E) Clinical social worker.
- (F) Dietitian.
- (G) Clinical pharmacist.
- (H) Marriage and family therapist.
- (I) Licensed professional mental health counselor.

(g) *Professional charges for anesthesia services.* When VA provides or furnishes professional anesthesia services within the scope of care referred to in paragraph (a)(1) of this section, professional anesthesia charges billed for such services will be determined in accordance with the provisions of this paragraph. Charges for professional anesthesia services personally performed by anesthesiologists will be 100 percent of the charges determined as set forth in this paragraph. Charges for professional anesthesia services provided by non-medically directed certified registered nurse anesthetists will also be 100 percent of the charges determined as set forth in this paragraph. Charges for professional anesthesia services provided by medically directed certified registered nurse anesthetists will be 100 percent of the charges determined as set forth in this paragraph. Professional anesthesia charges consist of charges for professional services that vary by geographic area, by CPT/HCPCS code base units, and by number of time units. These charges are calculated as follows:

(1) *Formula.* For each anesthesia CPT/HCPCS code, multiply the total anesthesia RVUs determined pursuant to paragraph (g)(2) of this section by the applicable geographically-adjusted conversion factor (a monetary amount) determined pursuant to paragraph (g)(3) of this section to obtain the professional anesthesia charge for each CPT/HCPCS code in a particular geographic area.

(2) *Total RVUs for professional anesthesia services.* The total anesthesia RVUs for each anesthesia CPT/HCPCS code are the sum of the base units (as compiled by CMS) for that CPT/HCPCS code and the number of time units reported for the anesthesia service, where one time unit equals 15 minutes. For anesthesia CPT/HCPCS codes designated as unlisted procedures, base units are developed based on the weighted median base units for anesthesia CPT/HCPCS codes within the series in which the unlisted procedure code occurs. A nationwide VA distribution of procedures and services is used for the purpose of computing the weighted median base units.

(3) *Geographically-adjusted 80th percentile conversion factors.* A nationwide 80th percentile conversion factor is calculated according to the methodology set forth in paragraph (g)(3)(i) of this section. The nationwide conversion factor is then trended forward to the effective time period for the charges, as set forth in paragraph (g)(3)(ii) of this section. The resulting amount is multiplied by geographic area adjustment factors determined pursuant to paragraph (g)(3)(iii) of this section, resulting in geographically-adjusted 80th percentile conversion factors for each geographic area for the effective charge period.

(i) *Nationwide conversion factor.* Preliminary 80th percentile conversion factors for each area are compiled from the MDR database. Then, a preliminary nationwide weighted-average 80th percentile conversion factor is calculated, using as weights the population (census) frequencies for each geographic area as presented in the Milliman USA, Inc., Health Cost Guidelines (see paragraph (a)(3) of this section for Data Sources). A nationwide 80th percentile fee by CPT/HCPCS code is then computed by multiplying this 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) of this section to obtain the pathology/laboratory charge for each CPT/HCPCS code in a particular geographic area.

(2) (i) *Total geographically-adjusted RVUs for pathology and laboratory services that have Medicare-based RVUs.* Total RVUs are developed based on the Medicare Clinical Diagnostic Laboratory Fee Schedule (CLAB). The CLAB payment amounts are upwardly adjusted such that the adjusted payment amounts are, on average, equivalent to Medicare Physician Fee Schedule payment levels, using statistical comparisons to the 80th percentile derived from the MDR database. These adjusted payment amounts are then divided by the corresponding Medicare conversion factor to derive RVUs for each CPT/HCPCS code. The resulting nationwide total RVUs are multiplied by the geographic adjustment factors determined pursuant to paragraph (i)(2)(iv) of this section to obtain the area-specific total RVUs.

(ii) *RVUs for CPT/HCPCS codes that do not have Medicare-based RVUs and are not designated as unlisted procedures.* For CPT/HCPCS codes that are not assigned RVUs in paragraphs (i)(2)(i) or (i)(2)(iii) of this section, total RVUs are developed based on various charge data sources. For these CPT/HCPCS codes, the nationwide 80th percentile billed charges are obtained, where statistically credible, from the MDR database. For any remaining CPT/HCPCS codes, the nationwide 80th percentile billed charges are obtained, where statistically credible, from the Part B component of the Medicare Standard Analytical File 5 percent Sample. For any remaining CPT/HCPCS codes, the nationwide 80th percentile billed

charges are obtained, where statistically credible, from the Prevailing Healthcare Charges System nationwide commercial insurance database. For each of these CPT/HCPCS codes, nationwide total RVUs are obtained by taking the nationwide 80th percentile billed charges obtained using the preceding three databases and dividing by the untrended nationwide conversion factor determined pursuant to paragraphs (i)(3) and (i)(3)(i) of this section. For any remaining CPT/HCPCS codes that have not been assigned RVUs using the preceding data sources, the nationwide total RVUs are calculated by summing the work expense and non-facility practice expense RVUs found in Ingenix/St. Anthony's RBRVS. The resulting nationwide total RVUs obtained using these four data sources are multiplied by the geographic area adjustment factors determined pursuant to paragraph (i)(2)(iv) of this section to obtain the area-specific total RVUs.

(iii) *RVUs for CPT/HCPCS codes designated as unlisted procedures.* For CPT/HCPCS codes designated as unlisted procedures, total RVUs are developed based on the weighted median of the total RVUs of CPT/HCPCS codes within the series in which the unlisted procedure code occurs. A nationwide VA distribution of procedures and services is used for the purpose of computing the weighted median. The resulting nationwide total RVUs are multiplied by the geographic area adjustment factors determined pursuant to paragraph (i)(2)(iv) of this section to obtain the area-specific total RVUs.

(iv) *RVU geographic area adjustment factors for CPT/HCPCS codes that do not have Medicare RVUs, including codes that are designated as unlisted procedures.* The adjustment factor for each geographic area consists of the weighted average of the work expense and practice expense Medicare Geographic Practice Cost Indices for each geographic area using charge data for representative CPT/HCPCS codes statistically selected and weighted for work expense and practice expense.

(3) *Geographically-adjusted 80th percentile conversion factors.* Representative CPT/HCPCS codes are statistically selected and weighted so as to give a weighted average RVU comparable to the weighted average RVU of the entire pathology/laboratory CPT/HCPCS code group (the selected CPT/HCPCS codes are set forth in the Milliman USA, Inc., Health Cost Guidelines fee survey). The 80th percentile charge for each selected CPT/HCPCS code is obtained from the MDR database. A nationwide conversion factor (a monetary amount) is calculated as set forth in paragraph (i)(3)(i) of this section. The nationwide conversion factor is trended forward to the effective time period for the charges, as set forth in paragraph (i)(3)(ii) of this section. The resulting amount is multiplied by a geographic area adjustment factor determined pursuant to paragraph (i)(3)(iv) of this section, resulting in the geographically-adjusted 80th percentile conversion factor for the effective charge period.

(i) *Nationwide conversion factors.* Using the nationwide 80th percentile charges for the selected CPT/HCPCS codes from paragraph (i)(3) of this section, a nationwide conversion factor is calculated by dividing the weighted average charge by the weighted average RVU.

(ii) *Trending forward.* The nationwide conversion factor, obtained as described in paragraph (i)(3) 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 pathology/laboratory conversion factor.

(iii) *Geographic area adjustment factor.* Using the 80th percentile charges for the selected CPT/HCPCS codes from paragraph (i)(3) of this section for each geographic area, a geographic area-specific conversion factor is calculated by dividing the weighted average charge by the weighted average geographically-adjusted RVU. The resulting geographic area conversion factor is divided by the corresponding nationwide conversion factor determined pursuant to paragraph (i)(3)(i) of this section. The resulting ratios are the geographic area adjustment factors for pathology and laboratory services for each geographic area.

(j) *Observation care facility charges.* When VA provides observation care within the scope of care referred to in paragraph (a)(1) of this section, the facility charges billed for such care will be determined in accordance with the provisions of this paragraph. The charges for this care vary by geographic area and number of hours of care. These charges are calculated as follows:

(1) *Formula.* For each occurrence of observation care, add the nationwide base charge determined pursuant to paragraph (j)(2) of this section to the product of the number of hours in observation care and the hourly charge also determined pursuant to paragraph (j)(2) of this section. Then multiply this amount by the appropriate geographic area adjustment factor determined pursuant to paragraph (j)(3) of this section. The result constitutes the area-specific observation care facility charge.

(2) (i) *Nationwide 80th percentile observation care facility charges.* To calculate nationwide base and hourly facility charges, all claims with observation care line items are selected from the outpatient facility component of the Medicare Standard Analytical File 5 percent Sample. Then, using the 80th percentile observation line item charges for each unique hourly length of stay, a standard linear regression technique is used to calculate the nationwide 80th percentile base charge and 80th percentile hourly charge. Finally, the resulting amounts are each trended forward to the effective time period for the charges, as set forth in paragraph (j)(2)(ii) of this section. The results constitute the nationwide 80th percentile base and hourly facility charges for observation care.

(ii) *Trending forward.* The nationwide 80th percentile base and hourly facility charges for observation care, obtained as described in paragraph (j)(2)(i) of this section, are trended forward based on changes to the outpatient hospital 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.* The geographic area adjustment factors for observation care facility charges are the same as those computed for outpatient facility charges under paragraph (e)(4) of this section.

(k) *Ambulance and other emergency transportation charges.* When VA provides ambulance and other emergency transportation services that are within the scope of care referred to in paragraph (a)(1) of this section, the charges billed for such services will be determined in accordance with the provisions of this paragraph. The charges for these services vary by HCPCS code, length of trip, and geographic area. These charges are calculated as follows:

(1) *Formula.* For each occasion of ambulance or other emergency transportation service, add the nationwide base charge for the appropriate HCPCS code determined pursuant to paragraph (k)(2)(i) of this section to the product of the number of miles traveled and the appropriate HCPCS code mileage charge determined pursuant to paragraph (k)(2)(ii) of this section. Then multiply this amount by the appropriate geographic area adjustment factor determined pursuant to paragraph (k)(3) of this section. The result constitutes the area-specific ambulance or other emergency transportation service charge.

(2) (i) *Nationwide 80th percentile all-inclusive base charge.* To calculate a nationwide all-inclusive base charge, all ambulance and other emergency transportation claims are selected from the outpatient facility component of the Medicare Standard Analytical File 5 percent Sample. Excluding professional and mileage charges, as well as all-inclusive charges which are reported on such claims, the total charge per claim, including incidental supplies, is computed. Then, the 80th percentile amount for each HCPCS code is computed. Finally, the resulting amounts are each trended forward to the effective time period for the charges, as set forth in paragraph (k)(2)(iii) of this section. The results constitute the nationwide 80th percentile all-inclusive base charge for each HCPCS base charge code.

(ii) *Nationwide 80th percentile mileage charge.* To calculate a nationwide mileage charge, all ambulance and other emergency transportation claims are selected from the outpatient facility component of the Medicare Standard Analytical File 5 percent Sample. Excluding professional, incidental, and base charges, as well as claims with all-inclusive charges, the total mileage charge per claim is computed. This amount is divided by the number of miles reported on the claim. Then, the 80th percentile amount for each HCPCS code, using miles as weights, is computed. Finally, the resulting amounts are each trended forward to the effective time period for the charges, as set forth in paragraph (k)(2)(iii) of this section. The results constitute the nationwide 80th percentile mileage charge for each HCPCS mileage code.

(iii) *Trending forward.* The nationwide 80th percentile charge for each HCPCS code, obtained as described in paragraphs (k)(2)(i) and (k)(2)(ii) of this section, is trended forward based on changes to the outpatient hospital 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.* The geographic area adjustment factors for ambulance and other emergency transportation charges are the same as those computed for outpatient facility charges under paragraph (e)(4) of this section.

(1) *Charges for durable medical equipment, drugs, injectables, and other medical services, items, and supplies identified by HCPCS Level II codes.* When VA provides DME, drugs, injectables, or other medical services, items, or supplies that are identified by HCPCS Level II codes and that are within the scope of care referred to in paragraph (a)(1) of this section, the charges billed for such services, items, and supplies will be determined in accordance with the provisions of this paragraph. The charges for these services, items, and supplies vary by geographic area, by HCPCS code, and by modifier, when applicable. These charges are calculated as follows:

(1) *Formula.* For each HCPCS code, multiply the nationwide charge determined pursuant to paragraphs (1)(2), (1)(3), and (1)(4) of this section by the appropriate geographic area adjustment factor determined pursuant to paragraph (1)(5) of this section. The result constitutes the area-specific charge.

(2) *Nationwide 80th percentile charges for HCPCS codes with RVUs.* For each applicable HCPCS code, RVUs are compiled from the data sources set forth in paragraph (1)(2)(i) of this section. The RVUs are multiplied by the charge amount for each incremental RVU determined pursuant to paragraph (1)(2)(ii) of this section, and this amount is added to the fixed charge amount also determined pursuant to paragraph (1)(2)(ii) of this section. Then, for each HCPCS code, this charge is multiplied by the appropriate 80th percentile to median charge ratio determined pursuant to paragraph (1)(2)(iii) of this section. Finally, the resulting amount is trended forward to the effective time period for the charges, as set forth in paragraph (1)(2)(iv) of this section to obtain the nationwide 80th percentile charge.

(i) *RVUs for DME, drugs, injectables, and other medical services, items, and supplies.* For the purpose of the statistical methodology set forth in paragraph (1)(2)(ii) of this section, HCPCS codes are assigned to the following HCPCS code groups. For the HCPCS codes in each group, the RVUs or amounts indicated constitute the RVUs:

- (A) Chemotherapy Drugs: Ingenix/St. Anthony's RBRVS Practice Expense RVUs.
- (B) Other Drugs: Ingenix/St. Anthony's RBRVS Practice Expense RVUs.
- (C) DME—Hospital Beds: Medicare DME Fee Schedule amounts.
- (D) DME—Medical/Surgical Supplies: Medicare DME Fee Schedule amounts.
- (E) DME—Orthotic Devices: Medicare DME Fee Schedule amounts.
- (F) DME—Oxygen and Supplies: Medicare DME Fee Schedule amounts.
- (G) DME—Wheelchairs: Medicare DME Fee Schedule amounts.
- (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 (1)(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 (1)(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 (1)(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 (1)(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 (1)(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 (1)(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 (1)(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 (1)(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 (1)(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 (1)(5)(ii) of this section divided by the nationwide weighted average charge determined pursuant to paragraph (1)(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 (1)(5) of this section, each of the HCPCS code groups set forth in paragraph (1)(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 pursuant to paragraph (l)(5)(ii) of this section, a nationwide weighted average charge is calculated for each combined HCPCS code group, using as weights the population (census) frequencies for each geographic area as presented in the Milliman USA, Inc., Health Cost Guidelines (see paragraph (a)(3) of this section for Data Sources).

(m) *Charges for prescription drugs not administered during treatment.* Notwithstanding other provisions of this section regarding VA charges, when VA provides or furnishes prescription drugs not administered during treatment, within the scope of care referred to in paragraph (a)(1) of this section, charges billed separately for such prescription drugs will consist of the amount that equals the total of the actual cost to VA for the drugs and the national average of VA administrative costs associated with dispensing the drugs for each prescription. The actual VA cost of a drug will be the actual amount expended by the VA facility for the purchase of the specific drug. The administrative cost will be determined annually using VA's managerial cost accounting system. Under this accounting system, the average administrative cost is determined by adding the total VA national drug general overhead costs (such as costs of buildings and maintenance, utilities, billing, and collections) to the total VA national drug dispensing costs (such as costs of the labor of the pharmacy department, packaging, and mailing) with the sum divided by the actual number of VA prescriptions filled nationally. Based on this accounting system, VA will determine the amount of the average administrative cost annually for the prior fiscal year (October through September) and then apply the charge at the start of the next calendar year.

**Note to §17.101:** The charges generated by the methodology set forth in this section are the same charges prescribed by the Office of Management and Budget for use under the Federal Medical Care Recovery Act, 42 U.S.C. 2651-2653.

(The Office of Management and Budget has approved the information collection requirements in this section under control number 2900-0606.)

(Authority: 38 U.S.C. 101, 501, 1701, 1705, 1710, 1720D, 1720E, 1721, 1722, 1729)

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**Supplement *Highlights* references:** Book A–34(1). Book I–2(1), 3(1), 17(1), 22(1, 2), 39(1), 60(1), 117(1).