

SUPPLEMENTARY TABLE 1  
REASONABLE CHARGES DATA SOURCES — v3.23 (January - December 2018) - Sorted By Charge Type

Charge Type	Paragraph	Subject	Data Source	Edition
INPT	(b)(3)	GAAFs	CMS Medicare Provider Analysis and Review (MedPAR) Record	FY 2016
INPT	(b)(3)	GAAFs	MarketScan Claims Database	CY 2015
INPT	(b)(3)	GAAFs	CMS Provider of Services Listing	3Q 2016
INPT	(b)(3)	GAAFs	VA nationwide admits by DRG code	FY 2016
INPT	(b)(3)	GAAFs	VA Reasonable Charges - Table N	CY 2017
SNF	(c)(3)	GAAFs	CMS Medicare Provider Analysis and Review (MedPAR) Record - SNF File	FY 2015
SNF	(c)(3)	GAAFs	CMS Provider of Services Listing	3Q 2016
SNF	(c)(3)	GAAFs	VA Reasonable Charges - Table O	CY 2017
PH	(d)(2)	per diem charge	Medicare SAF 5% Sample, outpatient facility component	CY 2015
PH	(d)(2)(i)	calculated SNF 80th percentile charge	CMS Medicare Provider Analysis and Review (MedPAR) Record - SNF File	FY 2015
PH	(d)(2)(ii)	trending forward	CPI-U, outpatient hospital services component, seasonally adjusted	July 2017
Opt	(e)(3)(i)	80th percentile charges, codes with APCs	Medicare APC payment amount - OPPS	CY 2018
Opt	(e)(3)(i)	80th percentile charges, codes with APCs	Medicare SAF 5% Sample, outpatient facility component	CY 2015
Opt	(e)(3)(ii)	80th percentile charges, codes with no APC	FAIR Health Outpatient Facility database	April 2017
Opt	(e)(3)(ii)	80th percentile charges, codes with no APC	Medicare SAF 5% Sample, outpatient facility component	CY 2015
Opt	(e)(3)(ii)	80th percentile charges, codes with no APC	MarketScan Claims Database	CY 2015
Opt	(e)(3)(ii)	80th percentile charges, codes with no APC	VA Reasonable Charges - Table F	CY 2017
Opt	(e)(3)(iii)	trending forward	CPI-U, outpatient hospital services component, seasonally adjusted	July 2017
Opt	(e)(4)	GAAFs	FAIR Health Outpatient Facility database	April 2017
Opt	(e)(4)	GAAFs	Milliman, Inc., Health Cost Guidelines, Population Assumptions	CY 2017
Opt	(e)(4)	GAAFs	VA Reasonable Charges - Table P	CY 2017
Phys	(f)(2)(i)(A)	RVU GAAFs, codes with Medicare RVUs, work expense	Medicare Geographic Practice Cost Index, work expense	CY 2017
Phys	(f)(2)(i)(A)	RVUs, codes with Medicare RVUs, work expense	Medicare Physician Fee Schedule RVUs, work expense	October 2017
Phys	(f)(2)(i)(B)	RVU GAAFs, codes with Medicare RVUs, practice expense	Medicare Geographic Practice Cost Index, practice expense	CY 2017
Phys	(f)(2)(i)(B)	RVUs, codes with Medicare RVUs, practice expense	Medicare Physician Fee Schedule RVUs, practice expense	October 2017
Phys	(f)(2)(ii)	RVUs, codes with no Medicare RVUs	Essential RBRVS	April 2017
Phys	(f)(2)(ii)	RVUs, codes with no Medicare RVUs	FAIR Health Medical Billed database	May 2017
Phys	(f)(2)(ii)	RVUs, codes with no Medicare RVUs	FAIR Health HCPCS database	June 2017
Phys	(f)(2)(ii)	RVUs, codes with no Medicare RVUs	Medicare SAF 5% Sample, Part B component	CY 2015
Phys	(f)(2)(ii)	RVUs, codes with no Medicare RVUs	VA Reasonable Charges - Table G	CY 2017
Phys	(f)(2)(iii)	RVUs, unlisted procedures	VA nationwide distribution of procedures and services	FY 2016
Phys	(f)(2)(iv)	RVU GAAFs, codes with no Medicare RVUs	Medicare Geographic Practice Cost Index, practice expense	CY 2017
Phys	(f)(2)(iv)	RVU GAAFs, codes with no Medicare RVUs	Medicare Geographic Practice Cost Index, work expense	CY 2017
Phys	(f)(3)	conversion factors, 80th percentile, geographically adjusted	FAIR Health Medical Billed database	May 2017
Phys	(f)(3)	conversion factors, 80th percentile, geographically adjusted	FAIR Health HCPCS database	June 2017
Phys	(f)(3)(i)	conversion factor, nationwide	Milliman, Inc., Health Cost Guidelines, Population Assumptions	CY 2017
Phys	(f)(3)(ii)	trending forward	CPI-U, physicians' services component, seasonally adjusted	July 2017
Phys	(f)(3)(iii)	conversion factor GAAFs	FAIR Health Medical Billed database	May 2017
Phys	(f)(3)(iii)	conversion factor GAAFs	FAIR Health HCPCS database	June 2017
Phys	(f)(3)(iii)	conversion factor GAAFs	Milliman, Inc., Health Cost Guidelines, Population Assumptions	CY 2017
Phys	(f)(3)(iii)	GAAFs	VA Reasonable Charges - Table L	CY 2017
Phys	(f)(4)	modifiers: charge adjustment factors	Medicare SAF 5% Sample, Part B component	CY 2015
Anes	(g)(2)	RVUs	CMS anesthesia base units	CY 2018
Anes	(g)(2)	RVUs for unlisted procedures	VA nationwide distribution of procedures and services	FY 2016
Anes	(g)(3)(i)	conversion factor, nationwide	CMS anesthesia base units	CY 2018
Anes	(g)(3)(i)	conversion factor, nationwide	FAIR Health Anesthesia database	May 2017
Anes	(g)(3)(i)	conversion factor, nationwide	Medicare SAF 5% Sample, Part B component	CY 2015
Anes	(g)(3)(i)	conversion factor, nationwide	Milliman, Inc., Health Cost Guidelines, Population Assumptions	CY 2017
Anes	(g)(3)(ii)	trending forward	CPI-U, physicians' services component, seasonally adjusted	July 2017
Anes	(g)(3)(iii)	conversion factor GAAFs	FAIR Health Anesthesia database	May 2017
Anes	(g)(3)(iii)	conversion factor GAAFs	Milliman, Inc., Health Cost Guidelines, Population Assumptions	CY 2017

SUPPLEMENTARY TABLE 1  
REASONABLE CHARGES DATA SOURCES — v3.23 (January - December 2018) - Sorted By Charge Type

Charge Type	Paragraph	Subject	Data Source	Edition
Dent	(h)(2)	charges, 80th percentile, nationwide	FAIR Health Dental database	July 2017
Dent	(h)(2)	charges, 80th percentile, nationwide	National Dental Advisory Service nationwide pricing index	CY 2017
Dent	(h)(2)	charges, 80th percentile, nationwide	Milliman, Inc., Health Cost Guidelines, Population Assumptions	CY 2017
Dent	(h)(2)	charges, 80th percentile, nationwide	VA Reasonable Charges - Table I	CY 2017
Dent	(h)(2)(ii)	charges, 80th percentile, nationwide, for unlisted procedures	FAIR Health Dental database	July 2017
Dent	(h)(2)(ii)	charges, 80th percentile, nationwide, for unlisted procedures	National Dental Advisory Service nationwide pricing index	CY 2017
Dent	(h)(2)(ii)	charges, 80th percentile, nationwide, for unlisted procedures	VA nationwide distribution of procedures, services, items, and supplies	FY 2016
Dent	(h)(2)(iii)	trending forward	CPI-U, dental services component, seasonally adjusted	July 2017
Dent	(h)(3)	GAAFs	FAIR Health Dental database	July 2017
Dent	(h)(3)	GAAFs	Milliman, Inc., Dental Health Cost Guidelines	CY 2017
Dent	(h)(3)	GAAFs	Milliman, Inc., Health Cost Guidelines, Population Assumptions	CY 2017
Dent	(h)(3)	GAAFs	VA Reasonable Charges - Table R	CY 2017
Lab	(i)(2)(i)	RVUs, codes with Medicare-based RVUs	FAIR Health Medical Billed database	May 2017
Lab	(i)(2)(i)	RVUs, codes with Medicare-based RVUs	FAIR Health HCPCS database	June 2017
Lab	(i)(2)(i)	RVUs, codes with Medicare-based RVUs	Medicare Clinical Diagnostic Laboratory Fee Schedule	CY 2017
Lab	(i)(2)(i)	RVUs, codes with Medicare-based RVUs	Medicare conversion factor	CY 2017
Lab	(i)(2)(i)	RVUs, codes with Medicare-based RVUs	Medicare Physician Fee Schedule payment levels	October 2017
Lab	(i)(2)(ii)	RVUs, codes with no Medicare-based RVUs	Essential RBRVS	April 2017
Lab	(i)(2)(ii)	RVUs, codes with no Medicare-based RVUs	FAIR Health Medical Billed database	May 2017
Lab	(i)(2)(ii)	RVUs, codes with no Medicare-based RVUs	FAIR Health HCPCS database	June 2017
Lab	(i)(2)(ii)	RVUs, codes with no Medicare-based RVUs	Medicare SAF 5% Sample, Part B component	CY 2015
Lab	(i)(2)(ii)	RVUs, codes with no Medicare-based RVUs	VA Reasonable Charges - Table J	CY 2017
Lab	(i)(2)(iii)	RVUs, unlisted procedures	VA nationwide distribution of procedures and services	FY 2016
Lab	(i)(2)(iv)	RVU GAAFS, codes with no Medicare-based RVUs	Medicare Geographic Practice Cost Index, practice expense	CY 2017
Lab	(i)(2)(iv)	RVU GAAFS, codes with no Medicare-based RVUs	Medicare Geographic Practice Cost Index, work expense	CY 2017
Lab	(i)(3)	conversion factors, 80th percentile, geographically adjusted	FAIR Health Medical Billed database	May 2017
Lab	(i)(3)(i)	conversion factor, nationwide	Milliman, Inc., Health Cost Guidelines, Population Assumptions	CY 2017
Lab	(i)(3)(ii)	trending forward	CPI-U, physicians' services component, seasonally adjusted	July 2017
Lab	(i)(3)(iii)	conversion factor GAAFs	FAIR Health Medical Billed database	May 2017
Lab	(i)(3)(iii)	conversion factor GAAFs	Milliman, Inc., Health Cost Guidelines, Population Assumptions	CY 2017
Obs	(j)(2)(i)	charges, 80th percentile, nationwide	Medicare SAF 5% Sample, outpatient facility component	CY 2015
Obs	(j)(2)(ii)	trending forward	CPI-U, outpatient hospital services component, seasonally adjusted	July 2017
Amb	(k)(2)(i)	base charge, 80th percentile, nationwide	Medicare SAF 5% Sample, outpatient facility component	CY 2015
Amb	(k)(2)(ii)	mileage charge, 80th percentile, nationwide	Medicare SAF 5% Sample, outpatient facility component	CY 2015
Amb	(k)(2)(ii)	base charge, 80th percentile, nationwide	MarketScan Claims Database	CY 2015
Amb	(k)(2)(iii)	trending forward	CPI-U, outpatient hospital services component, seasonally adjusted	July 2017
DME	(l)(2)(i)	relative values	Essential RBRVS, practice expense RVUs	April 2017
DME	(l)(2)(i)	relative values	Medicare DME Fee Schedule	October 2017
DME	(l)(2)(i)	relative values	Medicare Parenteral and Enteral Nutrition Fee Schedule	January 2017
DME	(l)(2)(ii)	charge amounts	FAIR Health HCPCS database	June 2017
DME	(l)(2)(ii)	charge amounts	Medicare SAF 5% Sample, DME component	CY 2015
DME	(l)(2)(ii)	charge amounts	Medicare SAF 5% Sample, Part B component	CY 2015
DME	(l)(2)(iii)	charge ratios, 80th percentile to median	FAIR Health HCPCS database	June 2017
DME	(l)(2)(iii)	charge ratios, 80th percentile to median	Medicare SAF 5% Sample, DME component	CY 2015
DME	(l)(2)(iii)	charge ratios, 80th percentile to median	Medicare SAF 5% Sample, Part B component	CY 2015
DME	(l)(2)(iii)	charge ratios, 80th percentile to median	MarketScan Claims Database	CY 2015
DME	(l)(2)(iv)	trending forward	CPI-U, medical care commodities component, seasonally adjusted	July 2017
DME	(l)(3)	charges for codes with no RVUs	FAIR Health HCPCS database	June 2017
DME	(l)(3)	charges for codes with no RVUs	Medicare SAF 5% Sample, DME component	CY 2015
DME	(l)(3)	charges for codes with no RVUs	Medicare SAF 5% Sample, Part B component	CY 2015
DME	(l)(3)	charges for codes with no RVUs	VA Reasonable Charges - Table K	CY 2017

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Charge Type	Paragraph	Subject	Data Source	Edition
DME	(l)(3)	charges for codes with no RVUs	VA nationwide distribution of items and charges	FY 2016
DME	(l)(3)(i)	trending forward	CPI-U, medical care commodities component, seasonally adjusted	July 2017
DME	(l)(4)	charges for unlisted procedures	VA nationwide distribution of procedures, services, items, and supplies	FY 2016
DME	(l)(5)(ii)	charges, weighted average, area-specific	FAIR Health HCPCS database	June 2017
DME	(l)(5)(ii)	charges, weighted average, area-specific	Medicare SAF 5% Sample, DME component	CY 2015
DME	(l)(5)(ii)	charges, weighted average, area-specific	Medicare SAF 5% Sample, Part B component	CY 2015
DME	(l)(5)(iii)	charges, weighted average, nationwide	Milliman, Inc., Health Cost Guidelines, Population Assumptions	CY 2017
DME	(l)(5)(ii)	GAAFs	FAIR Health HCPCS database	June 2017
DME	(l)(5)(ii)	GAAFs	Medicare SAF 5% Sample, DME component	CY 2015
DME	(l)(5)(ii)	GAAFs	Medicare SAF 5% Sample, Part B component	CY 2015
DME	(l)(5)(ii)	GAAFs	Milliman, Inc., Health Cost Guidelines, Population Assumptions	CY 2017
DME	(l)(5)(ii)	GAAFs	VA Reasonable Charges - Table Q	CY 2017
DME	(b)(11)	charges for codes without data	Medicare DME Fee Schedule	October 2017

SUPPLEMENTARY TABLE 1  
REASONABLE CHARGES DATA SOURCES — v3.23 (January - December 2018) - Sorted By Data Source

Charge Type	Paragraph	Subject	Data Source	Edition
Anes	(g)(2)	RVUs	CMS anesthesia base units	CY 2018
Anes	(g)(3)(i)	conversion factor, nationwide	CMS anesthesia base units	CY 2018
INPT	(b)(3)	GAAFs	CMS Medicare Provider Analysis and Review (MedPAR) Record	FY 2016
SNF	(c)(3)	GAAFs	CMS Medicare Provider Analysis and Review (MedPAR) Record - SNF File	FY 2015
PH	(d)(2)(i)	calculated SNF 80th percentile charge	CMS Medicare Provider Analysis and Review (MedPAR) Record - SNF File	FY 2015
INPT	(b)(3)	GAAFs	CMS Provider of Services Listing	3Q 2016
SNF	(c)(3)	GAAFs	CMS Provider of Services Listing	3Q 2016
Dent	(h)(2)(iii)	trending forward	CPI-U, dental services component, seasonally adjusted	July 2017
DME	(l)(2)(iv)	trending forward	CPI-U, medical care commodities component, seasonally adjusted	July 2017
DME	(l)(3)(i)	trending forward	CPI-U, medical care commodities component, seasonally adjusted	July 2017
PH	(d)(2)(ii)	trending forward	CPI-U, outpatient hospital services component, seasonally adjusted	July 2017
Opt	(e)(3)(iii)	trending forward	CPI-U, outpatient hospital services component, seasonally adjusted	July 2017
Obs	(j)(2)(ii)	trending forward	CPI-U, outpatient hospital services component, seasonally adjusted	July 2017
Amb	(k)(2)(iii)	trending forward	CPI-U, outpatient hospital services component, seasonally adjusted	July 2017
Phys	(f)(3)(ii)	trending forward	CPI-U, physicians' services component, seasonally adjusted	July 2017
Anes	(g)(3)(ii)	trending forward	CPI-U, physicians' services component, seasonally adjusted	July 2017
Lab	(i)(3)(ii)	trending forward	CPI-U, physicians' services component, seasonally adjusted	July 2017
Phys	(f)(2)(ii)	RVUs, codes with no Medicare RVUs	Essential RBRVS	April 2017
Lab	(i)(2)(ii)	RVUs, codes with no Medicare-based RVUs	Essential RBRVS	April 2017
DME	(l)(2)(i)	relative values	Essential RBRVS, practice expense RVUs	April 2017
Anes	(g)(3)(i)	conversion factor, nationwide	FAIR Health Anesthesia database	May 2017
Anes	(g)(3)(iii)	conversion factor GAAFs	FAIR Health Anesthesia database	May 2017
Dent	(h)(2)	charges, 80th percentile, nationwide	FAIR Health Dental database	July 2017
Dent	(h)(2)(ii)	charges, 80th percentile, nationwide, for unlisted procedures	FAIR Health Dental database	July 2017
Dent	(h)(3)	GAAFs	FAIR Health Dental database	July 2017
Phys	(f)(2)(ii)	RVUs, codes with no Medicare RVUs	FAIR Health HCPCS database	June 2017
Phys	(f)(3)	conversion factors, 80th percentile, geographically adjusted	FAIR Health HCPCS database	June 2017
Phys	(f)(3)(iii)	conversion factor GAAFs	FAIR Health HCPCS database	June 2017
Lab	(i)(2)(i)	RVUs, codes with Medicare-based RVUs	FAIR Health HCPCS database	June 2017
Lab	(i)(2)(ii)	RVUs, codes with no Medicare-based RVUs	FAIR Health HCPCS database	June 2017
DME	(l)(2)(ii)	charge amounts	FAIR Health HCPCS database	June 2017
DME	(l)(2)(iii)	charge ratios, 80th percentile to median	FAIR Health HCPCS database	June 2017
DME	(l)(3)	charges for codes with no RVUs	FAIR Health HCPCS database	June 2017
DME	(l)(5)(ii)	charges, weighted average, area-specific	FAIR Health HCPCS database	June 2017
DME	(l)(5)(ii)	GAAFs	FAIR Health HCPCS database	June 2017
Phys	(f)(2)(ii)	RVUs, codes with no Medicare RVUs	FAIR Health Medical Billed database	May 2017
Phys	(f)(3)	conversion factors, 80th percentile, geographically adjusted	FAIR Health Medical Billed database	May 2017
Phys	(f)(3)(iii)	conversion factor GAAFs	FAIR Health Medical Billed database	May 2017
Lab	(i)(2)(i)	RVUs, codes with Medicare-based RVUs	FAIR Health Medical Billed database	May 2017
Lab	(i)(2)(ii)	RVUs, codes with no Medicare-based RVUs	FAIR Health Medical Billed database	May 2017
Lab	(i)(3)	conversion factors, 80th percentile, geographically adjusted	FAIR Health Medical Billed database	May 2017
Lab	(i)(3)(iii)	conversion factor GAAFs	FAIR Health Medical Billed database	May 2017
Opt	(e)(3)(ii)	80th percentile charges, codes with no APC	FAIR Health Outpatient Facility database	April 2017
Opt	(e)(4)	GAAFs	FAIR Health Outpatient Facility database	April 2017
INPT	(b)(3)	GAAFs	MarketScan Claims Database	CY 2015
Opt	(e)(3)(ii)	80th percentile charges, codes with no APC	MarketScan Claims Database	CY 2015
Amb	(k)(2)(ii)	base charge, 80th percentile, nationwide	MarketScan Claims Database	CY 2015
DME	(l)(2)(iii)	charge ratios, 80th percentile to median	MarketScan Claims Database	CY 2015
Opt	(e)(3)(i)	80th percentile charges, codes with APCs	Medicare APC payment amount - OPPS	CY 2018
Lab	(i)(2)(i)	RVUs, codes with Medicare-based RVUs	Medicare Clinical Diagnostic Laboratory Fee Schedule	CY 2017

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REASONABLE CHARGES DATA SOURCES — v3.23 (January - December 2018) - Sorted By Data Source

Charge Type	Paragraph	Subject	Data Source	Edition
Lab	(i)(2)(i)	RVUs, codes with Medicare-based RVUs	Medicare conversion factor	CY 2017
DME	(l)(2)(i)	relative values	Medicare DME Fee Schedule	October 2017
DME	(b)(11)	charges for codes without data	Medicare DME Fee Schedule	October 2017
Phys	(f)(2)(i)(B)	RVU GAAFs, codes with Medicare RVUs, practice expense	Medicare Geographic Practice Cost Index, practice expense	CY 2017
Phys	(f)(2)(iv)	RVU GAAFs, codes with no Medicare RVUs	Medicare Geographic Practice Cost Index, practice expense	CY 2017
Lab	(i)(2)(iv)	RVU GAAFs, codes with no Medicare-based RVUs	Medicare Geographic Practice Cost Index, practice expense	CY 2017
Phys	(f)(2)(i)(A)	RVU GAAFs, codes with Medicare RVUs, work expense	Medicare Geographic Practice Cost Index, work expense	CY 2017
Phys	(f)(2)(iv)	RVU GAAFs, codes with no Medicare RVUs	Medicare Geographic Practice Cost Index, work expense	CY 2017
Lab	(i)(2)(iv)	RVU GAAFs, codes with no Medicare-based RVUs	Medicare Geographic Practice Cost Index, work expense	CY 2017
DME	(l)(2)(i)	relative values	Medicare Parenteral and Enteral Nutrition Fee Schedule	January 2017
Lab	(i)(2)(i)	RVUs, codes with Medicare-based RVUs	Medicare Physician Fee Schedule payment levels	October 2017
Phys	(f)(2)(i)(B)	RVUs, codes with Medicare RVUs, practice expense	Medicare Physician Fee Schedule RVUs, practice expense	October 2017
Phys	(f)(2)(i)(A)	RVUs, codes with Medicare RVUs, work expense	Medicare Physician Fee Schedule RVUs, work expense	October 2017
DME	(l)(2)(ii)	charge amounts	Medicare SAF 5% Sample, DME component	CY 2015
DME	(l)(2)(iii)	charge ratios, 80th percentile to median	Medicare SAF 5% Sample, DME component	CY 2015
DME	(l)(3)	charges for codes with no RVUs	Medicare SAF 5% Sample, DME component	CY 2015
DME	(l)(5)(ii)	charges, weighted average, area-specific	Medicare SAF 5% Sample, DME component	CY 2015
DME	(l)(5)(ii)	GAAFs	Medicare SAF 5% Sample, DME component	CY 2015
PH	(d)(2)	per diem charge	Medicare SAF 5% Sample, outpatient facility component	CY 2015
Opt	(e)(3)(i)	80th percentile charges, codes with APCs	Medicare SAF 5% Sample, outpatient facility component	CY 2015
Opt	(e)(3)(ii)	80th percentile charges, codes with no APC	Medicare SAF 5% Sample, outpatient facility component	CY 2015
Obs	(j)(2)(i)	charges, 80th percentile, nationwide	Medicare SAF 5% Sample, outpatient facility component	CY 2015
Amb	(k)(2)(i)	base charge, 80th percentile, nationwide	Medicare SAF 5% Sample, outpatient facility component	CY 2015
Amb	(k)(2)(ii)	mileage charge, 80th percentile, nationwide	Medicare SAF 5% Sample, outpatient facility component	CY 2015
Phys	(f)(2)(ii)	RVUs, codes with no Medicare RVUs	Medicare SAF 5% Sample, Part B component	CY 2015
Phys	(f)(4)	modifiers: charge adjustment factors	Medicare SAF 5% Sample, Part B component	CY 2015
Anes	(g)(3)(i)	conversion factor, nationwide	Medicare SAF 5% Sample, Part B component	CY 2015
Lab	(i)(2)(ii)	RVUs, codes with no Medicare-based RVUs	Medicare SAF 5% Sample, Part B component	CY 2015
DME	(l)(2)(ii)	charge amounts	Medicare SAF 5% Sample, Part B component	CY 2015
DME	(l)(2)(iii)	charge ratios, 80th percentile to median	Medicare SAF 5% Sample, Part B component	CY 2015
DME	(l)(3)	charges for codes with no RVUs	Medicare SAF 5% Sample, Part B component	CY 2015
DME	(l)(5)(ii)	charges, weighted average, area-specific	Medicare SAF 5% Sample, Part B component	CY 2015
DME	(l)(5)(ii)	GAAFs	Medicare SAF 5% Sample, Part B component	CY 2015
Dent	(h)(3)	GAAFs	Milliman, Inc., Dental Health Cost Guidelines	CY 2017
Opt	(e)(4)	GAAFs	Milliman, Inc., Health Cost Guidelines, Population Assumptions	CY 2017
DME	(l)(5)(iii)	charges, weighted average, nationwide	Milliman, Inc., Health Cost Guidelines, Population Assumptions	CY 2017
Anes	(g)(3)(iii)	conversion factor GAAFs	Milliman, Inc., Health Cost Guidelines, Population Assumptions	CY 2017
Phys	(f)(3)(i)	conversion factor, nationwide	Milliman, Inc., Health Cost Guidelines, Population Assumptions	CY 2017
Phys	(f)(3)(iii)	conversion factor GAAFs	Milliman, Inc., Health Cost Guidelines, Population Assumptions	CY 2017
Anes	(g)(3)(i)	conversion factor, nationwide	Milliman, Inc., Health Cost Guidelines, Population Assumptions	CY 2017
Dent	(h)(2)	charges, 80th percentile, nationwide	Milliman, Inc., Health Cost Guidelines, Population Assumptions	CY 2017
Dent	(h)(3)	GAAFs	Milliman, Inc., Health Cost Guidelines, Population Assumptions	CY 2017
Lab	(i)(3)(i)	conversion factor, nationwide	Milliman, Inc., Health Cost Guidelines, Population Assumptions	CY 2017
Lab	(i)(3)(iii)	conversion factor GAAFs	Milliman, Inc., Health Cost Guidelines, Population Assumptions	CY 2017
DME	(l)(5)(ii)	GAAFs	Milliman, Inc., Health Cost Guidelines, Population Assumptions	CY 2017
Dent	(h)(2)	charges, 80th percentile, nationwide	National Dental Advisory Service nationwide pricing index	CY 2017
Dent	(h)(2)(ii)	charges, 80th percentile, nationwide, for unlisted procedures	National Dental Advisory Service nationwide pricing index	CY 2017
INPT	(b)(3)	GAAFs	VA nationwide admits by DRG code	FY 2016
DME	(l)(3)	charges for codes with no RVUs	VA nationwide distribution of items and charges	FY 2016
Anes	(g)(2)	RVUs for unlisted procedures	VA nationwide distribution of procedures and services	FY 2016

SUPPLEMENTARY TABLE 1  
 REASONABLE CHARGES DATA SOURCES — v3.23 (January - December 2018) - Sorted By Data Source

Charge Type	Paragraph	Subject	Data Source	Edition
Lab	(i)(2)(iii)	RVUs, unlisted procedures	VA nationwide distribution of procedures and services	FY 2016
Phys	(f)(2)(iii)	RVUs, unlisted procedures	VA nationwide distribution of procedures and services	FY 2016
Dent	(h)(2)(ii)	charges, 80th percentile, nationwide, for unlisted procedures	VA nationwide distribution of procedures, services, items, and supplies	FY 2016
DME	(l)(4)	charges for unlisted procedures	VA nationwide distribution of procedures, services, items, and supplies	FY 2016
Opt	(e)(3)(ii)	80th percentile charges, codes with no APC	VA Reasonable Charges - Table F	CY 2017
Phys	(f)(2)(ii)	RVUs, codes with no Medicare RVUs	VA Reasonable Charges - Table G	CY 2017
Dent	(h)(2)	charges, 80th percentile, nationwide	VA Reasonable Charges - Table I	CY 2017
Lab	(i)(2)(ii)	RVUs, codes with no Medicare-based RVUs	VA Reasonable Charges - Table J	CY 2017
DME	(l)(3)	charges for codes with no RVUs	VA Reasonable Charges - Table K	CY 2017
Phys	(f)(3)(iii)	GAAFs	VA Reasonable Charges - Table L	CY 2017
INPT	(b)(3)	GAAFs	VA Reasonable Charges - Table N	CY 2017
SNF	(c)(3)	GAAFs	VA Reasonable Charges - Table O	CY 2017
Opt	(e)(4)	GAAFs	VA Reasonable Charges - Table P	CY 2017
DME	(l)(5)(ii)	GAAFs	VA Reasonable Charges - Table Q	CY 2017
Dent	(h)(3)	GAAFs	VA Reasonable Charges - Table R	CY 2017

## SUPPLEMENTARY TABLE 1

## REASONABLE CHARGES DATA SOURCES — v3.23 (January - December 2018) - Charge Type Abbreviations

Charge Type Abbreviations
Amb = Ambulance and Other Emergency Transportation Charges
Anes = Professional Anesthesia Units
Dent = Outpatient Dental Professional Charges
DME = Durable Medical Equipment, Supplies, Vision and Hearing Hardware Charges
INPT = Acute Inpatient Facility Charges
Lab = Pathology and Laboratory Services Relative Value Units
Obs = Observation Care Facility Charges
Opt = Outpatient Facility Charges
PH = Partial Hospitalization Charges
Phys = Physician and Other Professional Services Relative Value Units
SNF = Skilled Nursing Facility / Sub-Acute Inpatient Facility Charges

SUPPLEMENTARY TABLE 1  
REASONABLE CHARGES DATA SOURCES — v3.23 (January - December 2018) - Abbreviations

Abbreviations
APC = Ambulatory Payment Classification
CMS = Centers for Medicare and Medicaid Services
CPI-U = Consumer Price Index - All Urban Consumers
DME = Durable Medical Equipment
DRG = Diagnosis Related Group
GAAF = Geographic Area Adjustment Factor
HCPCS = Healthcare Common Procedure Coding System
MDR = Medical Data Research
MedPAR = Medicare Provider Analysis and Review
OPPS = Outpatient Prospective Payment System
RBRVS = Resource-Based Relative Value Scale
RVU = Relative Value Unit
SAF = Standard Analytical File
VA = Department of Veterans Affairs



SUPPLEMENTARY TABLE 2  
REASONABLE CHARGES DATA SOURCES — v3.23 (January - December 2018) - Where to Obtain

Database	Where To Obtain
CMS anesthesia base units	CMS Internet site, <a href="http://www.cms.gov/">http://www.cms.gov/</a>
CMS Medicare Provider Analysis and Review (MedPAR) Record	CMS Internet site, <a href="http://www.cms.gov/">http://www.cms.gov/</a>
CMS Medicare Provider Analysis and Review (MedPAR) Record - SNF File	CMS Internet site, <a href="http://www.cms.gov/">http://www.cms.gov/</a>
CMS Provider of Services Listing	CMS Internet site, <a href="http://www.cms.gov/">http://www.cms.gov/</a>
CPI-U, various components, seasonally adjusted	Bureau of Labor Statistics Internet site, CPI section, <a href="http://www.bls.gov/cpi/">http://www.bls.gov/cpi/</a>
Essential RBRVS	Optum, 2525 Lake Park Blvd., Salt Lake City, UT 84120
FAIR Health databases	FAIR Health site, <a href="http://www.fairhealthus.org">http://www.fairhealthus.org</a>
MarketScan Claims Database	Truven site, <a href="https://marketscan.truvenhealth.com">https://marketscan.truvenhealth.com</a>
Medicare APC payment amount	CMS Internet site, <a href="http://www.cms.gov/">http://www.cms.gov/</a>
Medicare Clinical Diagnostic Laboratory Fee Schedule	CMS Internet site, <a href="http://www.cms.gov/">http://www.cms.gov/</a>
Medicare conversion factor	CMS Internet site, <a href="http://www.cms.gov/">http://www.cms.gov/</a>
Medicare DME Fee Schedule	CMS Internet site, <a href="http://www.cms.gov/">http://www.cms.gov/</a>
Medicare Geographic Practice Cost Index, practice expense	CMS Internet site, <a href="http://www.cms.gov/">http://www.cms.gov/</a>
Medicare Geographic Practice Cost Index, work expense	CMS Internet site, <a href="http://www.cms.gov/">http://www.cms.gov/</a>
Medicare Parenteral and Enteral Nutrition Fee Schedule	(included as part of DME Fee Schedule download)
Medicare Physician Fee Schedule payment levels	CMS Internet site, <a href="http://www.cms.gov/">http://www.cms.gov/</a>
Medicare Physician Fee Schedule RVUs, practice expense	CMS Internet site, <a href="http://www.cms.gov/">http://www.cms.gov/</a>
Medicare Physician Fee Schedule RVUs, work expense	CMS Internet site, <a href="http://www.cms.gov/">http://www.cms.gov/</a>
Medicare SAF 5% Sample, DME component	CMS Internet site, <a href="http://www.cms.gov/">http://www.cms.gov/</a>
Medicare SAF 5% Sample, outpatient facility component	CMS Internet site, <a href="http://www.cms.gov/">http://www.cms.gov/</a>
Medicare SAF 5% Sample, Part B component	CMS Internet site, <a href="http://www.cms.gov/">http://www.cms.gov/</a>
Milliman, Inc., Dental Health Cost Guidelines	Milliman, Inc., 1301 5th Ave. Suite 3800, Seattle, WA 98101-2605
Milliman, Inc., Health Cost Guidelines	Milliman, Inc., 1301 5th Ave. Suite 3800, Seattle, WA 98101-2605
Milliman, Inc., Health Cost Guidelines, Population Assumptions	Milliman, Inc., 1301 5th Ave. Suite 3800, Seattle, WA 98101-2605
National Dental Advisory Service nationwide pricing index	Wasserman Medical Publishers, P.O. Box 510949 Milwaukee, WI 53203
VA nationwide admits by DRG code	Veterans Health Administration
VA nationwide distribution of procedures, services, items, and supplies	Veterans Health Administration
VA Reasonable Charges tables	US Department of Veterans Affairs, <a href="http://www1.va.gov/">http://www1.va.gov/</a>