Statistics on Medical Bills with Telehealth Services

2017-2022

Oakland, California

August 2023

This is the Division of Workers' Compensations logo.


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# Introduction

## 1.1 Data Source

The Division of Worker’s Compensation’s (DWC’s) Workers’ Compensation Information System (WCIS) collects workers’ compensation injury, indemnity and medical bill data on two parts of the system. The First Report of Injury (FROI) and Subsequent Report of Injury (SROI) part of the system collects injury and indemnity information, while the medical bill reporting system collects medical bill information. Claims administrators are required by 8 CCR 9702(e)(1) and (2) to report all paid or denied medical bills within 90 calendar days after a payment or a decision not to pay is made. Data is collected from both insured and self-insured employers. The information presented in this report is based mainly on the medical billing data collected in WCIS.

For full description of data collected in WCIS please refer to

FROI/SROI data

<https://www.dir.ca.gov/dwc/DWCPropRegs/WCIS-Regulations/Final-Regulations/Guides/FROISROICAImplementationGuide-Final.pdf>

Medical Billing data

<https://www.dir.ca.gov/dwc/DWCPropRegs/WCIS-Regulations/Final-Regulations/Guides/MedicalCAImplementationGuide-Final.pdf>

## 1.2 What you should know about presented data

The match rate between claims in the FROI/SROI and medical system remains 85 to 87 %. Meaning we have medical bill reported for about 87% of reported FROIs.

Aggregated raw numbers without interpretation are presented to give access to WCIS data to the public.

Bills with services delivered via telehealth are identified for this report using place of service codes 02 and 10 and modifier 95.

## 1.3 What is Telehealth?

Telehealth is a mode of service delivery that makes use of electronic information and telecommunications technologies to provide care where the patient and the care provider aren’t in the same place at the same time.

Some examples of technologies used are Store-and-forward which is remote evaluation of recorded video and/or images submitted by an established patient. E-visits, non-face-to-face patient-initiated communications through an online patient portal. Remote patient monitoring, uses digital technologies to collect health data from patients in one location and electronically transmit that information securely to providers in a different location. Live Video, which is also referred to as “real-time” a two way face-to-face interaction between patient and provider using audiovisual communications technology.

DWC has not adopted comprehensive rules regarding telehealth however it has adopted CMS (Medicare) rules for telehealth services, which mainly aligns with real time audio and video communication and for certain types of treatments audio only communication is allowed. There are also portions of CMS’s Physician and Non-Physician Practitioner fee schedules, which DWC has adopted, that are related to telehealth. DWC adopted the Medicare telehealth list in light of the spread of COVID-19 and the Governor’s stay-at-home order. The update table in the fee schedule section of the California Code of Regulation CCR §9789.19 adopted the Medicare Telehealth list beginning in March of 2020 for the period of the Public Health Emergency (PHE). DWC instructions are in line with Medicare to code telehealth at the Place of Service where service would have been performed in person for the duration of the Public Health Emergency. DWC also adopted modifier -95 to signify that the service was delivered via telehealth.

Regarding medical legal services, in May 2020, DWC first adopted regulations (CCR §46.2) for remote evaluation. Subsequently, adopted emergency regulation CCR §46.3 that expired on Jan 18, 2023. On February 2, 2023, DWC permanently adopted regulation allowing telehealth evaluation by Qualified Medical Evaluators (QMEs).

# Demographics

## Age

The age at injury information presented below is calculated from date of birth and date of Injury data reported to the FROI/SROI system of WCIS.

**Table 2:1 Claims with Telehealth Services by Age at Injury**

| AGE | 2017 | 2017 | 2018 | 2018 | 2019 | 2019 | 2020 | 2020 | 2021 | 2021 | 2022 | 2022 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | N | % | N | % | N | % | N | % | N | % | N | % |
| 14-15 |  |  | 1 | 0.01 | 2 | 0.01 | 1 | 0.00 | 2 | 0.01 | 2 | 0.01 |
| 16-19 | 24 | 0.27 | 100 | 0.61 | 212 | 0.66 | 619 | 1.22 | 474 | 1.37 | 290 | 1.47 |
| 20-24 | 162 | 1.79 | 551 | 3.34 | 1,271 | 3.98 | 2,871 | 5.67 | 2,046 | 5.92 | 1,255 | 6.37 |
| 25-34 | 1,081 | 11.94 | 2518 | 15.24 | 5413 | 16.96 | 10642 | 21.00 | 7570 | 21.89 | 4585 | 23.26 |
| 35-44 | 1,987 | 21.94 | 3656 | 22.13 | 7289 | 22.84 | 12141 | 23.96 | 8567 | 24.77 | 4862 | 24.66 |
| 45-54 | 3,228 | 35.65 | 5248 | 31.77 | 9466 | 29.67 | 13260 | 26.17 | 8698 | 25.15 | 4806 | 24.38 |
| 55-64 | 2,229 | 24.62 | 3831 | 23.19 | 7016 | 21.99 | 9403 | 18.56 | 6167 | 17.83 | 3273 | 16.60 |
| 65-84 | 323 | 3.57 | 599 | 3.63 | 1213 | 3.80 | 1669 | 3.29 | 1025 | 2.96 | 624 | 3.16 |
| Unknown | 21 | 0.23 | 15 | 0.09 | 26 | 0.08 | 65 | 0.13 | 34 | 0.10 | 19 | 0.10 |
| TOTAL | 9,055 | 100 | 16,519 | 100 | 31,908 | 100 | 50,671 | 100 | 34,583 | 100 | 19,716 | 100 |

*Source: WCIS, FROI/SROI and medical database*

## Gender

The gender information is collected by the FROI/SROI system of WCIS.

**Table 2:2 Claims with Telehealth Services by Gender 2017-2022**

| GENDER | 2017 | 2017 | 2018 | 2018 | 2019 | 2019 | 2020 | 2020 | 2021 | 2021 | 2022 | 2022 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Count | % | Count | % | Count | % | Count | % | Count | % | Count | % |
| Female | 4,423 | 48.8 | 8,136 | 49.3 | 15,830 | 49.6 | 24,623 | 48.6 | 17,045 | 49.3 | 10,236 | 51.9 |
| Male | 4,564 | 50.4 | 8,259 | 50.0 | 15,788 | 49.5 | 25,611 | 50.5 | 17,183 | 49.7 | 9,239 | 46.9 |
| Unknown | 68 | 0.8 | 124 | 0.8 | 290 | 0.9 | 437 | 0.9 | 355 | 1.0 | 241 | 1.2 |
| Total | 9,055 | 100 | 16,519 | 100 | 31,908 | 100 | 50,671 | 100 | 34,583 | 100 | 19,716 | 100 |

*Source: WCIS, FROI/SROI database*

## Location

The WCIS collects location information for the facility where the service was provided or the address of the rendering provider. These two fields are used to count Telehealth bills and Telehealth bills by region and county.

**Table 2:3 Count of Telehealth Bills by Region and County 2017-2019**

| REGION | COUNTY | 2017  N | 2017  % | 2018  N | 2018  % | 2019  N | 2019  % |
| --- | --- | --- | --- | --- | --- | --- | --- |
| BAY AREA | ALAMEDA | 17 | 1.3 | 159 | 2.5 | 667 | 4.3 |
|  | CONTRA COSTA | 54 | 4.2 | 140 | 2.2 | 294 | 1.9 |
|  | MARIN | 9 | 0.7 | 65 | 1 | 64 | 0.4 |
|  | NAPA | 1 | 0.1 |  | 0 | 6 | 0 |
|  | SAN FRANCISCO | 20 | 1.6 | 24 | 0.4 | 139 | 0.9 |
|  | SAN MATEO | 18 | 1.4 | 34 | 0.5 | 321 | 2 |
|  | SANTA CLARA | 320 | 24.8 | 996 | 15.9 | 2,264 | 14.4 |
|  | SOLANO | 269 | 20.9 | 52 | 0.8 | 19 | 0.1 |
|  | SONOMA | 10 | 0.8 | 79 | 1.3 | 1,140 | 7.3 |
|  | **BAY AREA Total** | **718** | **55.7** | **1,549** | **24.7** | **4,914** | **31.3** |
| CENTRAL COAST | MONTEREY | 2 | 0.2 | 97 | 1.5 | 465 | 3 |
|  | SAN BENITO |  | 0 |  | 0 | 33 | 0.2 |
|  | SAN LUIS OBISPO | 12 | 0.9 | 9 | 0.1 | 14 | 0.1 |
|  | SANTA BARBARA |  | 0 | 1 | 0 | 4 | 0 |
|  | SANTA CRUZ |  | 0 | 9 | 0.1 | 24 | 0.2 |
|  | VENTURA | 3 | 0.2 | 1 | 0 | 166 | 1.1 |
|  | **CENTRAL COAST Total** | **17** | **1.3** | **117** | **1.9** | **706** | **4.5** |
| CENTRAL VALLEY | FRESNO | 27 | 2.1 | 38 | 0.6 | 49 | 0.3 |
|  | KERN | 1 | 0.1 | 63 | 1 | 504 | 3.2 |
|  | KINGS |  | 0 |  | 0 |  | 0 |
|  | MADERA |  | 0 | 1 | 0 | 1 | 0 |
|  | MERCED | 3 | 0.2 | 3 | 0 | 5 | 0 |
|  | SAN JOAQUIN | 7 | 0.5 | 17 | 0.3 | 167 | 1.1 |
|  | STANISLAUS | 4 | 0.3 | 46 | 0.7 | 703 | 4.5 |
|  | TULARE | 1 | 0.1 | 5 | 0.1 | 24 | 0.2 |
|  | **CENTRAL VALLEY Total** | **43** | **3.3** | **173** | **2.8** | **1,453** | **9.3** |
| EASTERN SIERRA FOOTHILLS | AMADOR |  | 0 | 1 | 0 |  | 0 |
|  | CALAVERAS |  | 0 |  | 0 |  | 0 |
|  | EL DORADO |  | 0 |  | 0 | 2 | 0 |
|  | INYO |  | 0 |  | 0 |  | 0 |
|  | MARIPOSA |  | 0 |  | 0 |  | 0 |
|  | MONO |  | 0 | 1 | 0 |  | 0 |
|  | NEVADA |  | 0 |  | 0 | 2 | 0 |
|  | PLACER | 2 | 0.2 | 36 | 0.6 | 17 | 0.1 |
|  | TUOLUMNE |  | 0 |  | 0 |  | 0 |
|  | **EASTERN SIERRA FOOTHILLS** | **2** | **0.2** | **38** | **0.6** | **21** | **0.1** |
| INLAND EMPIRE | IMPERIAL |  | 0 | 1 | 0 |  | 0 |
|  | ORANGE | 58 | 4.5 | 151 | 2.4 | 252 | 1.6 |
|  | RIVERSIDE | 18 | 1.4 | 41 | 0.7 | 118 | 0.8 |
|  | SAN BERNARDINO | 19 | 1.5 | 2,877 | 45.8 | 4,504 | 28.7 |
|  | **INLAND EMPIRE Total** | **95** | **7.4** | **3,070** | **48.9** | **4,874** | **31.1** |
| NORTH STATE-SHASTA | DEL NORTE |  | 0 |  | 0 |  | 0 |
|  | HUMBOLDT |  | 0 | 2 | 0 | 5 | 0 |
|  | LAKE |  | 0 |  | 0 |  | 0 |
|  | LASSEN |  | 0 |  | 0 |  | 0 |
|  | MENDOCINO |  | 0 |  | 0 |  | 0 |
|  | MODOC |  | 0 |  | 0 |  | 0 |
|  | PLUMAS | 1 | 0.1 | 2 | 0 | 21 | 0.1 |
|  | SHASTA | 2 | 0.2 | 4 | 0.1 | 25 | 0.2 |
|  | SIERRA |  | 0 |  | 0 |  | 0 |
|  | SISKIYOU |  | 0 |  | 0 | 13 | 0.1 |
|  | TRINITY |  | 0 |  | 0 |  | 0 |
|  | **NORTH STATE-SHASTA Total** | **3** | **0.2** | **8** | **0.1** | **64** | **0.4** |
| SACRAMENTO VALLEY (N.) | BUTTE | 6 | 0.5 | 3 | 0 | 2 | 0 |
|  | COLUSA |  | 0 |  | 0 |  | 0 |
|  | GLENN |  | 0 |  | 0 |  | 0 |
|  | SUTTER |  | 0 |  | 0 |  | 0 |
|  | TEHAMA |  | 0 |  | 0 |  | 0 |
|  | YUBA |  | 0 |  | 0 |  | 0 |
|  | **SACRAMENTO VALLEY (N.) TOTAL** | **6** | **0.5** | **3** | **0** | **2** | **0** |
| SACRAMENTO VALLEY | SACRAMENTO | 27 | 2.1 | 19 | 0.3 | 117 | 0.7 |
|  | YOLO |  | 0 |  | 0 |  | 0 |
|  | **SACRAMENTO VALLEY Total** | **27** | **2.1** | **19** | **0.3** | **117** | **0.7** |
| LOS ANGELES | LOS ANGELES | 331 | 25.7 | 1,052 | 16.8 | 2,729 | 17.4 |
|  | **LOS ANGELES Total** | **331** | **25.7** | **1,052** | **16.8** | **2,729** | **17.4** |
| SAN DIEGO | SAN DIEGO | 46 | 3.6 | 250 | 4 | 805 | 5.1 |
|  | **SAN DIEGO Total** | **46** | **3.6** | **250** | **4** | **805** | **5.1** |
| Grand Total |  | 1,288 |  | 6,279 |  | 15,685 |  |

**Table 2:4 Count of Telehealth Bills by Region and County 2020-2022**

| REGION | COUNTY | 2020  N | 2020  % | 2021  N | 2021  % | 2022  N | 2022  % |
| --- | --- | --- | --- | --- | --- | --- | --- |
| BAY AREA | ALAMEDA | 31,821 | 7 | 17,364 | 5.2 | 7,692 | 3.6 |
|  | CONTRA COSTA | 20,557 | 4.5 | 19,096 | 5.7 | 10,795 | 5 |
|  | MARIN | 3,514 | 0.8 | 2,397 | 0.7 | 2,084 | 1 |
|  | NAPA | 2,733 | 0.6 | 1,034 | 0.3 | 446 | 0.2 |
|  | SAN FRANCISCO | 21,045 | 4.6 | 16,577 | 4.9 | 9,109 | 4.2 |
|  | SAN MATEO | 13,807 | 3 | 9,099 | 2.7 | 4,975 | 2.3 |
|  | SANTA CLARA | 36,521 | 8.1 | 22,670 | 6.7 | 16,303 | 7.5 |
|  | SOLANO | 9,383 | 2.1 | 8,046 | 2.4 | 5,325 | 2.5 |
|  | SONOMA | 10,412 | 2.3 | 4,783 | 1.4 | 2,108 | 1 |
|  | **BAY AREA Total** | 149,793 | 33.1 | 101,066 | 30 | 58,837 | 27.2 |
| CENTRAL COAST | MONTEREY | 5,172 | 1.1 | 4,010 | 1.2 | 2,850 | 1.3 |
|  | SAN BENITO | 61 | 0 | 24 | 0 | 8 | 0 |
|  | SAN LUIS OBISPO | 2,327 | 0.5 | 1,352 | 0.4 | 1,106 | 0.5 |
|  | SANTA BARBARA | 2,797 | 0.6 | 1,723 | 0.5 | 1,244 | 0.6 |
|  | SANTA CRUZ | 5,410 | 1.2 | 3,216 | 1 | 2,774 | 1.3 |
|  | VENTURA | 5,493 | 1.2 | 3,508 | 1 | 2,179 | 1 |
|  | **CENTRAL COAST Total** | **21,260** | **4.7** | **13,833** | **4.1** | **10,161** | **4.7** |
| CENTRAL VALLEY | FRESNO | 7,838 | 1.7 | 4,436 | 1.3 | 2,015 | 0.9 |
|  | KERN | 6,645 | 1.5 | 5,273 | 1.6 | 1,587 | 0.7 |
|  | KINGS | 226 | 0 | 256 | 0.1 | 150 | 0.1 |
|  | MADERA | 45 | 0 | 8 | 0 | 5 | 0 |
|  | MERCED | 240 | 0.1 | 186 | 0.1 | 81 | 0 |
|  | SAN JOAQUIN | 8,368 | 1.8 | 14,631 | 4.3 | 8,389 | 3.9 |
|  | STANISLAUS | 6,868 | 1.5 | 2,787 | 0.8 | 1,619 | 0.7 |
|  | TULARE | 1,865 | 0.4 | 1,238 | 0.4 | 519 | 0.2 |
|  | **CENTRAL VALLEY Total** | 32,095 | 7.1 | 28,815 | 8.6 | 14,365 | 6.6 |
| EASTERN SIERRA FOOTHILLS | AMADOR | 45 | 0 | 14 | 0 | 4 | 0 |
|  | CALAVERAS | 3 | 0 | 4 | 0 | 15 | 0 |
|  | EL DORADO | 198 | 0 | 44 | 0 | 36 | 0 |
|  | INYO | 17 | 0 | 7 | 0 | 2 | 0 |
|  | MARIPOSA | 1 | 0 | 5 | 0 | 2 | 0 |
|  | MONO | 88 | 0 | 87 | 0 | 72 | 0 |
|  | NEVADA | 209 | 0 | 46 | 0 | 7 | 0 |
|  | PLACER | 6,235 | 1.4 | 2,723 | 0.8 | 1,107 | 0.5 |
|  | TUOLUMNE | 570 | 0.1 | 168 | 0 | 422 | 0.2 |
|  | **EASTERN SIERRA** | **7,366** | **1.6** | **3,098** | **0.9** | **1,667** | **0.8** |
| INLAND EMPIRE | IMPERIAL | 1,198 | 0.3 | 687 | 0.2 | 736 | 0.3 |
|  | ORANGE | 35,613 | 7.9 | 22,469 | 6.7 | 18,242 | 8.4 |
|  | RIVERSIDE | 11,957 | 2.6 | 10,322 | 3.1 | 6,082 | 2.8 |
|  | SAN BERNARDINO | 17,519 | 3.9 | 16,434 | 4.9 | 10,245 | 4.7 |
|  | **INLAND EMPIRE Total** | **66,287** | **14.6** | **49,912** | **14.8** | **35,305** | **16.3** |
| NORTH STATE-SHASTA | DEL NORTE | 79 | 0 | 12 | 0 | 17 | 0 |
|  | HUMBOLDT | 857 | 0.2 | 922 | 0.3 | 1,135 | 0.5 |
|  | LAKE | 18 | 0 | 24 | 0 | 38 | 0 |
|  | LASSEN | 76 | 0 | 9 | 0 | 20 | 0 |
|  | MENDOCINO | 248 | 0.1 | 137 | 0 | 61 | 0 |
|  | MODOC |  | 0 | 1 | 0 |  | 0 |
|  | PLUMAS | 6 | 0 | 2 | 0 | 3 | 0 |
|  | SHASTA | 2,058 | 0.5 | 1,205 | 0.4 | 1,382 | 0.6 |
|  | SIERRA |  | 0 | 1 | 0 |  | 0 |
|  | SISKIYOU | 159 | 0 | 25 | 0 | 13 | 0 |
|  | TRINITY | 4 | 0 | 2 | 0 | 3 | 0 |
|  | **NORTH STATE-SHASTA Total** | **3,505** | **0.8** | **2,340** | **0.7** | **2,672** | **1.2** |
| SACRAMENTO VALLEY (N.) | BUTTE | 964 | 0.2 | 1,081 | 0.3 | 526 | 0.2 |
|  | COLUSA | 1 | 0 | 2 | 0 | 1 | 0 |
|  | GLENN | 15 | 0 | 4 | 0 | 3 | 0 |
|  | SUTTER | 161 | 0 | 8 | 0 | 3 | 0 |
|  | TEHAMA | 69 | 0 | 98 | 0 | 153 | 0.1 |
|  | YUBA | 8 | 0 | 3 | 0 | 13 | 0 |
|  | **SACRAMENTO VALLEY (N.)**  **Total** | **1,218** | **0.3** | **1,196** | **0.4** | **699** | **0.3** |
| SACRAMENTO VALLEY | SACRAMENTO | 23,277 | 5.1 | 10,188 | 3 | 6,542 | 3 |
|  | YOLO | 365 | 0.1 | 359 | 0.1 | 44 | 0 |
|  | **SACRAMENTO VALLEY Total** | **23,642** | **5.2** | **10,547** | **3.1** | **6,586** | **3** |
| LOS ANGELES | LOS ANGELES | 121,549 | 26.8 | 107,313 | 31.9 | 71,614 | 33.1 |
|  | **LOS ANGELES Total** | **121,549** | **26.8** | **107,313** | **31.9** | **71,614** | **33.1** |
| SAN DIEGO | SAN DIEGO | 26,429 | 5.8 | 18,311 | 5.4 | 14,253 | 6.6 |
|  | **SAN DIEGO Total** | **26,429** | **5.8** | **18,311** | **5.4** | **14,253** | **6.6** |
| Grand Total |  | 453,144 |  | 336,431 |  | 216,159 |  |

# Telehealth Bills

## Paid amount and Bill Counts

**Table 3:1 Telehealth Bill Count and Paid Amount**

| Service Year | Paid Amount | Bill Lines | Bills |
| --- | --- | --- | --- |
| 2017 | $171,662 | 1,337 | 970 |
| 2018 | $520,761 | 6,349 | 4,551 |
| 2019 | $1,212,854 | 15,845 | 11,339 |
| 2020 | $29,352,256 | 462,119 | 292,619 |
| 2021 | $29,701,860 | 342,161 | 258,479 |
| 2022 | $23,556,391 | 220,369 | 173,404 |

## Diagnosis

WCIS collects Diagnosis codes using ICD-10 Diagnosis codes. For the tables below the primary diagnosis or first position diagnosis are considered. Since ICD-10 codes are very detailed listing the ICD-10 codes as reported are not conducive for easy presentation. Thus the ICD-10 codes were converted to Clinical Classifications Software Refined (CCSR) codes, a system that groups the over 77,000 ICD-10 codes into 530 clinical categories.[[1]](#footnote-1) The Description in Tables 3:2 and 3:3 uses these clinical categories.

**Table 3:2 Primary Diagnosis on bills with Telehealth 2017-2019**

| CCSR Category | 2017 | 2017 | 2018 | 2018 | 2019 | 2019 |
| --- | --- | --- | --- | --- | --- | --- |
|  | N | % | N | % | N | % |
| Spondylopathies/spondyloarthropathy (including infective) | 135,455 | 20.7 | 189,524 | 18.9 | 284,350 | 16.9 |
| Musculoskeletal pain, not low back pain | 70,798 | 10.8 | 117,260 | 11.7 | 217,541 | 12.9 |
| Sprains and strains, initial encounter | 39,008 | 6.0 | 69,094 | 6.9 | 149,502 | 8.9 |
| Sprains and strains, subsequent encounter | 45,157 | 6.9 | 75,873 | 7.6 | 115,278 | 6.8 |
| Other unspecified injury | 40,265 | 6.2 | 63,082 | 6.3 | 109,557 | 6.5 |
| Low back pain | 39,195 | 6.0 | 56,743 | 5.7 | 90,848 | 5.4 |
| Other specified connective tissue disease | 24,108 | 3.7 | 41,162 | 4.1 | 71,081 | 4.2 |
| Tendon and synovial disorders | 21,906 | 3.4 | 36,039 | 3.6 | 67,823 | 4.0 |
| Nerve and nerve root disorders | 21,571 | 3.3 | 33,703 | 3.4 | 51,708 | 3.1 |
| Osteoarthritis | 15,543 | 2.4 | 22,672 | 2.3 | 34,762 | 2.1 |
| Other specified joint disorders | 11,537 | 1.8 | 18,281 | 1.8 | 30,855 | 1.8 |
| Nervous system pain and pain syndromes | 14,080 | 2.2 | 18,019 | 1.8 | 26,992 | 1.6 |
| Trauma- and stressor-related disorders | 6,500 | 1.0 | 10,850 | 1.1 | 22,490 | 1.3 |
| Depressive disorders | 16,608 | 2.5 | 19,515 | 1.9 | 27,422 | 1.6 |
| Implant, device or graft related encounter | 8,413 | 1.3 | 11,656 | 1.2 | 18,670 | 1.1 |
| Other aftercare encounter | 7,428 | 1.1 | 12,513 | 1.2 | 21,354 | 1.3 |
| Superficial injury; contusion, subsequent encounter | 4,494 | 0.7 | 9,839 | 1.0 | 15,694 | 0.9 |
| Injury, sequela | 5,462 | 0.8 | 9,261 | 0.9 | 17,061 | 1.0 |
| Superficial injury; contusion, initial encounter | 3,748 | 0.6 | 7,445 | 0.7 | 17,717 | 1.1 |
| Injury to nerves, muscles and tendons, initial encounter | 4,030 | 0.6 | 6,783 | 0.7 | 13,953 | 0.8 |
| Injury to nerves, muscles and tendons, subsequent encounter | 4,440 | 0.7 | 7,778 | 0.8 | 13,022 | 0.8 |
| Fracture of the upper limb, subsequent encounter | 1,949 | 0.3 | 4,191 | 0.4 | 9,182 | 0.5 |
| Fracture of lower limb (except hip), subsequent encounter | 2,275 | 0.3 | 4,364 | 0.4 | 9,210 | 0.5 |
| Medical examination/evaluation | 5,051 | 0.8 | 5,797 | 0.6 | 10,247 | 0.6 |
| Somatic disorders | 3,655 | 0.6 | 4,943 | 0.5 | 5,480 | 0.3 |
| Complication of other surgical or medical care, injury, initial encounter | 5,786 | 0.9 | 5,729 | 0.6 | 7,416 | 0.4 |
| Other specified status | 6,477 | 1.0 | 8,286 | 0.8 | 12,008 | 0.7 |
| Fracture of the upper limb, initial encounter | 1,429 | 0.2 | 3,280 | 0.3 | 8,146 | 0.5 |
| Invalid PDX | 1,588 | 0.2 | 2,867 | 0.3 | 6,598 | 0.4 |
| Fracture of the lower limb (except hip), initial encounter | 1,874 | 0.3 | 4,295 | 0.4 | 9,159 | 0.5 |
| Postprocedural or postoperative musculoskeletal system complication | 6,351 | 1.0 | 7,385 | 0.7 | 8,488 | 0.5 |
| Headache; including migraine | 3,225 | 0.5 | 4,268 | 0.4 | 7,352 | 0.4 |
| Anxiety and fear-related disorders | 2,454 | 0.4 | 3,681 | 0.4 | 5,816 | 0.3 |
| Essential hypertension | 4,841 | 0.7 | 6,277 | 0.6 | 7,516 | 0.4 |
| Neurocognitive disorders | 1,798 | 0.3 | 3,716 | 0.4 | 6,051 | 0.4 |
| Other unspecified injuries, subsequent encounter | 1,567 | 0.2 | 2,972 | 0.3 | 4,383 | 0.3 |
| Other general signs and symptoms | 1,955 | 0.3 | 2,692 | 0.3 | 5,256 | 0.3 |
| Muscle disorders | 2,525 | 0.4 | 3,938 | 0.4 | 6,258 | 0.4 |
| Biomechanical lesions | 2,607 | 0.4 | 3,557 | 0.4 | 7,413 | 0.4 |
| Exposure, encounters, screening or contact with infectious disease | 64 | 0.0 | 138 | 0.0 | 310 | 0.0 |
| All Others | 55,714 | 8.5 | 83,312 | 8.3 | 129,659 | 7.7 |

**Table 3:3 Primary Diagnosis on bills with Telehealth 2020-2022**

| CCSR Category | 2020 | 2020 | 2021 | 2021 | 2022 | 2022 |
| --- | --- | --- | --- | --- | --- | --- |
|  | N | % | N | % | N | % |
| Spondylopathies/spondyloarthropathy (including infective) | 423,401 | 15.7 | 431,312 | 16.9 | 343,450 | 18.9 |
| Musculoskeletal pain, not low back pain | 374,163 | 13.8 | 378,104 | 14.8 | 280,744 | 15.4 |
| Sprains and strains, initial encounter | 220,632 | 8.2 | 174,906 | 6.8 | 116,261 | 6.4 |
| Sprains and strains, subsequent encounter | 192,161 | 7.1 | 180,373 | 7.0 | 123,384 | 6.8 |
| Other unspecified injury | 186,473 | 6.9 | 182,161 | 7.1 | 133,079 | 7.3 |
| Low back pain | 136,232 | 5.0 | 113,385 | 4.4 | 8,184 | 0.4 |
| Other specified connective tissue disease | 117,531 | 4.3 | 111,431 | 4.4 | 80,611 | 4.4 |
| Tendon and synovial disorders | 109,661 | 4.1 | 98,999 | 3.9 | 70,763 | 3.9 |
| Nerve and nerve root disorders | 84,034 | 3.1 | 80,640 | 3.2 | 56,775 | 3.1 |
| Osteoarthritis | 53,415 | 2.0 | 51,859 | 2.0 | 40,748 | 2.2 |
| Other specified joint disorders | 50,759 | 1.9 | 46,496 | 1.8 | 33,237 | 1.8 |
| Nervous system pain and pain syndromes | 48,011 | 1.8 | 47,448 | 1.9 | 40,082 | 2.2 |
| Trauma- and stressor-related disorders | 46,293 | 1.7 | 46,587 | 1.8 | 41,384 | 2.3 |
| Depressive disorders | 39,458 | 1.5 | 34,965 | 1.4 | 28,362 | 1.6 |
| Implant, device or graft related encounter | 32,296 | 1.2 | 36,998 | 1.4 | 27,607 | 1.5 |
| Other aftercare encounter | 30,738 | 1.1 | 35,590 | 1.4 | 23,932 | 1.3 |
| Superficial injury; contusion, subsequent encounter | 28,699 | 1.1 | 25,974 | 1.0 | 19,205 | 1.1 |
| Injury, sequela | 26,878 | 1.0 | 24,603 | 1.0 | 18,696 | 1.0 |
| Superficial injury; contusion, initial encounter | 25,327 | 0.9 | 19,512 | 0.8 | 13,714 | 0.8 |
| Injury to nerves, muscles and tendons, initial encounter | 23,176 | 0.9 | 19,355 | 0.8 | 14,689 | 0.8 |
| Injury to nerves, muscles and tendons, subsequent encounter | 22,818 | 0.8 | 20,255 | 0.8 | 13,893 | 0.8 |
| Fracture of the upper limb, subsequent encounter | 17,643 | 0.7 | 17,469 | 0.7 | 11,473 | 0.6 |
| Fracture of lower limb (except hip), subsequent encounter | 16,996 | 0.6 | 16,016 | 0.6 | 11,124 | 0.6 |
| Medical examination/evaluation | 14,515 | 0.5 | 12,312 | 0.5 | 9,017 | 0.5 |
| Somatic disorders | 12,870 | 0.5 | 10,863 | 0.4 | 6,217 | 0.3 |
| Complication of other surgical or medical care, injury, initial encounter | 12,663 | 0.5 | 8,714 | 0.3 | 2,098 | 0.1 |
| Other specified status | 12,325 | 0.5 | 12,878 | 0.5 | 10,110 | 0.6 |
| Fracture of the upper limb, initial encounter | 12,284 | 0.5 | 9,287 | 0.4 | 6,458 | 0.4 |
| Invalid PDX | 11,895 | 0.4 | 13,231 | 0.5 | 12,703 | 0.7 |
| Fracture of the lower limb (except hip), initial encounter | 11,725 | 0.4 | 9,385 | 0.4 | 7,030 | 0.4 |
| Postprocedural or postoperative musculoskeletal system complication | 11,479 | 0.4 | 10,509 | 0.4 | 8,267 | 0.5 |
| Headache; including migraine | 10,703 | 0.4 | 6,634 | 0.3 | 4,932 | 0.3 |
| Anxiety and fear-related disorders | 10,688 | 0.4 | 10,847 | 0.4 | 8,802 | 0.5 |
| Essential hypertension | 10,477 | 0.4 | 10,751 | 0.4 | 8,673 | 0.5 |
| Neurocognitive disorders | 9,652 | 0.4 | 10,359 | 0.4 | 7,466 | 0.4 |
| Other unspecified injuries, subsequent encounter | 9,614 | 0.4 | 9,866 | 0.4 | 8,094 | 0.4 |
| Other general signs and symptoms | 9,563 | 0.4 | 10,369 | 0.4 | 10,617 | 0.6 |
| Muscle disorders | 9,474 | 0.4 | 11,020 | 0.4 | 9,030 | 0.5 |
| Biomechanical lesions | 8,912 | 0.3 | 8,256 | 0.3 | 6,362 | 0.3 |
| Exposure, encounters, screening or contact with infectious disease | 8,314 | 0.3 | 3,347 | 0.1 | 1,085 | 0.1 |
| All Others | **208,765** | **7.7** | **196,423** | **7.7** | **142,209** | **7.8** |

# Services

## Professional Services

Service information in WCIS is collected using the proprietary AMA CPT codes, the CMS HCPCS codes and California specific Jurisdiction Codes. The CPT and HCPCS codes are consolidated to major CPT and HCPCS categories.

**Table 4:1 Services on Telehealth Bills 2017- 2022**

| SERVICE | 2017 N | 2017 % | 2018 N | 2018 % | 2019 N | 2019 % | 2020 N | 2020 % | 2021 N | 2021 % | 2022 N | 2022 % |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Evaluation/Management | 642 | 48.0 | 3,794 | 59.8 | 8,979 | 56.7 | 246,996 | 53.4 | 201,508 | 58.9 | 139,743 | 63.4 |
| Physician Report | 259 | 19.4 | 1,591 | 25.1 | 3,523 | 22.2 | 119,699 | 25.9 | 58,999 | 17.2 | 25,986 | 11.8 |
| Medicine-Psychiatry | 42 | 3.1 | 210 | 3.3 | 1,415 | 8.9 | 38,176 | 8.3 | 43,561 | 12.7 | 32,669 | 14.8 |
| Medicine-Physical Medicine and Rehabilitation | 22 | 1.6 | 53 | 0.8 | 129 | 0.8 | 12,437 | 2.7 | 5,420 | 1.6 | 2,469 | 1.1 |
| Medicine-Central Nervous System Assessments | 4 | 0.3 |  | 0.0 | 936 | 5.9 | 11,817 | 2.6 | 12,375 | 3.6 | 8,157 | 3.7 |
| HCPCS-Temporary National Codes Established by MEDICAID | 12 | 0.9 | 35 | 0.6 | 149 | 0.9 | 3,348 | 0.7 | 3,644 | 1.1 | 1,883 | 0.9 |
| HCPCS-Temporary Procedures/Professional Services | 4 | 0.3 | 7 | 0.1 | 68 | 0.4 | 2,275 | 0.5 | 3,885 | 1.1 | 3,151 | 1.4 |
| Medicine-Other Services and Procedures | 48 | 3.6 | 56 | 0.9 | 33 | 0.2 | 1,420 | 0.3 | 937 | 0.3 | 454 | 0.2 |
| Medicine-Neurology and Nuromuscular | 35 | 2.6 | 7 | 0.1 | 18 | 0.1 | 1,103 | 0.2 | 144 | 0.0 | 29 | 0.0 |
| Radiology | 32 | 2.4 | 39 | 0.6 | 24 | 0.2 | 1,051 | 0.2 | 245 | 0.1 | 105 | 0.0 |
| Medicine-Special Services, Procedures and Reports | 2 | 0.1 | 14 | 0.2 | 24 | 0.2 | 715 | 0.2 | 562 | 0.2 | 235 | 0.1 |
| Medicine-Health Behavior Assessment and Intervention |  | 0.0 |  | 0.0 | 1 | 0.0 | 666 | 0.1 | 684 | 0.2 | 352 | 0.2 |
| Medicine-non-face-to-face Nonphysician Services | 6 | 0.4 | 84 | 1.3 | 188 | 1.2 | 577 | 0.1 | 363 | 0.1 | 230 | 0.1 |
| All Other Services | 229 | 17.1 | 459 | 7.2 | 358 | 2.3 | 21,839 | 4.7 | 9,834 | 2.9 | 4,906 | 2.2 |
| Total | 1,337 | 100 | 6,349 | 100 | 15,845 | 100 | 462,119 | 100 | 342,161 | 100 | 220,369 | 100 |

## 4.2 Prescription

WCIS collects drug data using National Drug Codes (NDC). The table below shows the description of NDC codes paid on bills with services via Telehealth.

**Table 4:2 Prescription Bills by Drug Group and Average Paid - 2017-2022**

| Drug Name | Drug Group | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 |
| --- | --- | --- | --- | --- | --- | --- | --- |
| LANSOPRAZOLE CAP 15MG DR | ULCER DRUGS/ANTISPASMODICS/ANTICHOLINERGICS |  |  |  | 170 | 32 | 32 |
| LIDOPRO OIN | DERMATOLOGICALS |  |  |  | 142 | 19 | 11 |
| NAPROXEN TAB 500MG | ANALGESICS - ANTI-INFLAMMATORY |  |  |  | 123 | 40 | 24 |
| GABAPENTIN CAP 300MG | ANTICONVULSANTS |  |  |  | 79 | 16 | 6 |
| CYCLOBENZAPR TAB 7.5MG | MUSCULOSKELETAL THERAPY AGENTS |  |  |  | 43 | 12 | 15 |
| GABAPENTIN CAP 100MG | ANTICONVULSANTS |  |  |  | 41 | 4 | 3 |
| LIDOCAINE OIN 5% | DERMATOLOGICALS |  |  |  | 31 | 31 | 29 |
| FLURBIPROFEN TAB 100MG | ANALGESICS - ANTI-INFLAMMATORY |  |  |  | 29 | 9 | 3 |
| LIDOCAINE PAD 5% | DERMATOLOGICALS |  |  |  | 23 | 5 | 2 |
| NAPROXEN DR TAB 500MG | ANALGESICS - ANTI-INFLAMMATORY |  |  |  | 22 | 3 |  |
| CELECOXIB CAP 200MG | ANALGESICS - ANTI-INFLAMMATORY |  |  |  | 16 |  |  |
| NAPROXEN DR TAB 375MG | ANALGESICS - ANTI-INFLAMMATORY |  |  |  | 15 |  |  |
| ESOMEPRA MAG CAP 20MG DR | ULCER DRUGS/ANTISPASMODICS/ANTICHOLINERGICS |  |  |  | 14 | 7 | 3 |
| CYCLOBENZAPR TAB 10MG | MUSCULOSKELETAL THERAPY AGENTS |  |  |  | 14 | 2 | 2 |
| RABEPRAZOLE TAB 20MG | ULCER DRUGS/ANTISPASMODICS/ANTICHOLINERGICS |  |  |  | 14 | 2 |  |
| FAMOTIDINE TAB 20MG | ULCER DRUGS/ANTISPASMODICS/ANTICHOLINERGICS | 2 |  |  | 12 |  |  |
| GABAPENTIN TAB 600MG | ANTICONVULSANTS |  |  |  | 11 |  |  |
| OMEPRAZOLE CAP 20MG | ULCER DRUGS/ANTISPASMODICS/ANTICHOLINERGICS |  |  |  | 11 | 2 |  |
| IBU AB 800MG | ANALGESICS - ANTI-INFLAMMATORY |  |  |  | 11 | 5 |  |
| KETOROLAC INJ 60MG/2ML | ANALGESICS - ANTI-INFLAMMATORY |  |  |  | 10 | 1 | 42 |
| IBUPROFEN TAB 600MG | ANALGESICS - ANTI-INFLAMMATORY |  |  |  | 10 | 2 |  |
| IBUPROFEN TAB 800MG | ANALGESICS - ANTI-INFLAMMATORY |  |  |  | 10 | 23 | 20 |
| CYANOCOBALAM INJ 1000MCG | HEMATOPOIETIC AGENTS |  |  |  | 10 | 1 |  |
| TRAMADOL HCL TAB 50MG | ANALGESICS - OPIOID |  |  |  | 9 | 1 | 1 |
| DICLOFENAC GEL 1% | DERMATOLOGICALS |  |  |  | 9 | 1 |  |
| TRAMADOL HCL CAP 150MG ER | ANALGESICS - OPIOID |  |  |  | 9 | 4 |  |
| NAPROXEN SOD TAB 550MG | ANALGESICS - ANTI-INFLAMMATORY |  |  |  | 8 | 1 | 17 |
| IBU TAB 600MG | ANALGESICS - ANTI-INFLAMMATORY |  |  |  | 7 | 1 |  |
| IBUPROFEN TAB 400MG | ANALGESICS - ANTI-INFLAMMATORY |  |  |  | 7 |  |  |
| BUPROPN HCL TAB 150MG XL | ANTIDEPRESSANTS |  |  |  | 6 |  |  |
| ORPHENADRINE TAB 100MG ER | MUSCULOSKELETAL THERAPY AGENTS |  |  |  | 6 | 1 |  |
| ACETAMIN TAB 500MG | ANALGESICS - NONNARCOTIC |  |  |  | 4 |  |  |
| TOPIRAMATE TAB 50MG | ANTICONVULSANTS |  |  |  | 4 |  | 1 |
| IBUPROFEN TAB 200MG | ANALGESICS - ANTI-INFLAMMATORY |  |  |  | 3 | 4 |  |
| METHYLPR ACE INJ 40MG/ML | CORTICOSTEROIDS |  |  |  | 3 |  |  |
| ADACEL INJ | TOXOIDS |  |  |  | 3 |  |  |
| ZOLPIDEM TAB 10MG | HYPNOTICS/SEDATIVES/SLEEP DISORDER AGENTS |  |  |  | 3 |  |  |
| TEROCIN DIS 4-4% | DERMATOLOGICALS |  |  |  | 3 | 4 |  |
| MELOXICAM TAB 7.5MG | ANALGESICS - ANTI-INFLAMMATORY |  |  |  | 2 |  | 1 |
| SYNVISC ONE INJ 8MG/ML | MUSCULOSKELETAL THERAPY AGENTS |  |  |  | 2 |  |  |
| DOK CAP 250MG | LAXATIVES |  |  |  | 2 |  |  |
| KENALOG-40 INJ 40MG/ML | CORTICOSTEROIDS |  |  |  | 2 |  | 1 |
| HYDROCO/APAP TAB 10-325MG | ANALGESICS - OPIOID |  |  |  | 2 |  |  |
| TRAMADOL HCL TAB 100MG ER | ANALGESICS - OPIOID |  |  |  | 2 |  |  |
| PROMOLAXIN TAB 100MG | LAXATIVES |  |  |  | 2 |  | 1 |
| PANTOPRAZOLE TAB 40MG | ULCER DRUGS/ANTISPASMODICS/ANTICHOLINERGICS |  |  |  | 1 |  |  |
| NIZATIDINE CAP 150MG | ULCER DRUGS/ANTISPASMODICS/ANTICHOLINERGICS |  |  |  | 1 |  |  |
| MAPAP LIQ 160/5ML | ANALGESICS - NONNARCOTIC |  |  |  | 1 |  |  |
| HYDROCORT CRE 1% | DERMATOLOGICALS |  |  |  | 1 |  |  |
| MARCAINE/EPI INJ 0.25% | LOCAL ANESTHETICS-PARENTERAL |  |  |  | 1 |  |  |
| KETOROLAC INJ 30MG/ML | ANALGESICS - ANTI-INFLAMMATORY |  |  |  | 1 |  | 1 |
| PAIN RELIEF TAB 500MG | ANALGESICS - NONNARCOTIC |  |  |  | 1 | 3 |  |
| KEFLEX CAP 500MG | CEPHALOSPORINS |  |  |  | 1 |  |  |
| DICLOFENAC TAB 100MG ER | ANALGESICS - ANTI-INFLAMMATORY |  |  |  | 1 |  |  |
| NEO/POLY/DEX SUS 0.1% OP | OPHTHALMIC AGENTS |  |  |  | 1 |  |  |
| LORAZEPAM TAB 0.5MG | ANTIANXIETY AGENTS |  |  |  | 1 |  |  |
| DIPHENHYDRAM CAP 25MG | ANTIHISTAMINES |  |  |  | 1 |  |  |
| ENGERIX-B INJ 10/0.5ML | VACCINES |  |  |  | 1 |  |  |
| TRAMADL/APAP TAB 37.5-325 | ANALGESICS - OPIOID |  |  |  | 1 |  |  |
| GENTAMICIN SOL 0.3% OP | OPHTHALMIC AGENTS |  |  |  | 1 |  |  |
| NAPROXEN SOD TAB 220MG | ANALGESICS - ANTI-INFLAMMATORY |  |  |  | 1 |  |  |
| NABUMETONE TAB 750MG | ANALGESICS - ANTI-INFLAMMATORY |  |  |  | 1 |  |  |
| TIZANIDINE TAB 4MG | MUSCULOSKELETAL THERAPY AGENTS |  |  |  | 1 |  |  |
| MIRTAZAPINE TAB 15MG | ANTIDEPRESSANTS |  |  |  | 1 |  |  |
| AMOX/K CLAV TAB 875-125 | PENICILLINS |  |  |  | 1 | 1 |  |
| DOCUSATE SOD CAP 250MG | LAXATIVES |  |  |  | 1 |  |  |
| TRAMADOL HCL TAB 200MG ER | ANALGESICS - OPIOID |  |  |  |  | 1 |  |
| CYCLOBENZAPR TAB 5MG | MUSCULOSKELETAL THERAPY AGENTS |  |  |  |  | 1 |  |
| PANTOPRAZOLE TAB 20MG | ULCER DRUGS/ANTISPASMODICS/ANTICHOLINERGICS |  | 1 |  |  |  |  |
| POLAR FREEZE GEL 3.5-0.8% | DERMATOLOGICALS |  |  |  |  |  | 1 |
| METHYLPRED TAB 4MG | CORTICOSTEROIDS |  |  |  |  |  | 1 |
| DEPO-MEDROL INJ 80MG/ML | CORTICOSTEROIDS |  |  |  |  | 1 |  |
| TRIAMCIN ACE INJ 40MG/ML | CORTICOSTEROIDS |  |  |  |  |  | 1 |
| AZITHROMYCIN INJ 500MG | MACROLIDES |  |  |  |  | 1 |  |
| APAP/CODEINE TAB 300-30MG | ANALGESICS - OPIOID |  |  |  |  |  | 1 |
| RANITIDINE TAB 150MG | ULCER DRUGS/ANTISPASMODICS/  ANTICHOLINERGICS | 1 |  |  |  |  |  |
| DICLOFENAC SOL 1.5% | DERMATOLOGICALS |  |  |  |  |  | 1 |
| VOLTAREN GEL 1% | DERMATOLOGICALS |  |  |  |  | 2 |  |
| DEXAMETH PHO INJ 10MG/ML | CORTICOSTEROIDS |  |  |  |  | 1 | 1 |
| LANSOPRAZOLE CAP 30MG DR | ULCER DRUGS/ANTISPASMODICS/ANTICHOLINERGICS |  |  |  |  | 3 |  |
| METAXALONE TAB 800MG | MUSCULOSKELETAL THERAPY AGENTS |  |  |  |  | 13 | 11 |
| KETOROLAC INJ 15MG/ML | ANALGESICS ANTI-INFLAMMATORY |  |  |  |  | 1 |  |
| TOTAL |  | 3 | 1 | 0 | 980 | 261 | 232 |

# Providers

The WCIS collects provider specialty using DN 0537 Billing Provider Primary Specialty Code and DN 0595 Rendering Line Provider Primary Specialty Code. Taxonomy code used for reporting these data elements is the NUCC Taxonomy code[[2]](#footnote-2)list.

**Table 5:1 Distribution of Telehealth Providers 2017-2022**

| Taxonomy  Code | Name | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 225100000X | Physical Therapist | 4 | 3 | 13 | 588 | 230 | 108 |
| 207X00000X | Orthopaedic Surgery Physician | 25 | 20 | 36 | 578 | 480 | 355 |
| 207Q00000X | Family Medicine Physician | 5 | 15 | 27 | 548 | 406 | 260 |
| 207R00000X | Internal Medicine Physician | 11 | 21 | 21 | 508 | 459 | 240 |
| 363A00000X | Physician Assistant | 2 |  | 2 | 292 | 221 | 182 |
| 174400000X | Specialist | 22 | 18 | 32 | 286 | 250 | 198 |
| 207RC0000X | Cardiovascular Disease Physician |  |  | 2 | 213 | 172 | 113 |
| 208100000X | Physical Medicine & Rehabilitation Physician | 11 | 20 | 26 | 210 | 191 | 152 |
| 390200000X | Student in an Organized Health Care Education/Training Program |  | 4 | 10 | 166 | 192 | 125 |
| 103TC0700X | Clinical Psychologist | 12 | 16 | 26 | 163 | 168 | 137 |
| 207LP2900X | Pain Medicine (Anesthesiology) Physician | 1 | 4 | 3 | 124 | 110 | 95 |
| 2084N0400X | Neurology Physician | 1 |  | 3 | 114 | 79 | 54 |
| 2084P0800X | Psychiatry Physician | 9 | 17 | 18 | 112 | 123 | 93 |
| 207T00000X | Neurological Surgery Physician |  | 2 | 2 | 112 | 85 | 65 |
| 207L00000X | Anesthesiology Physician | 8 | 4 | 9 | 109 | 96 | 85 |
| 2083X0100X | Occupational Medicine Physician | 12 | 33 | 40 | 108 | 88 | 75 |
| 363LF0000X | Family Nurse Practitioner | 1 | 1 | 3 | 107 | 103 | 58 |
| 2081P2900X | Pain Medicine (Physical Medicine & Rehabilitation) Physician | 4 | 1 | 7 | 97 | 86 | 77 |
| 103T00000X | Psychologist | 8 | 13 | 18 | 96 | 95 | 78 |
| 208600000X | Surgery Physician | 4 | 1 | 1 | 96 | 62 | 55 |
| 111N00000X | Chiropractor | 6 | 9 | 19 | 92 | 95 | 65 |
| 207XX0005X | Sports Medicine (Orthopaedic Surgery) Physician | 4 | 3 | 6 | 89 | 78 | 55 |
| 207XS0106X | Orthopaedic Hand Surgery Physician | 5 | 4 | 2 | 81 | 55 | 36 |
| 207XS0117X | Orthopaedic Surgery of the Spine Physician | 1 | 4 | 2 | 80 | 81 | 57 |
| 207P00000X | Emergency Medicine Physician | 1 | 4 | 7 | 76 | 71 | 50 |
| 213ES0103X | Foot & Ankle Surgery Podiatrist | 1 | 3 | 3 | 73 | 64 | 41 |
| 363AM0700X | Medical Physician Assistant |  |  | 2 | 66 | 48 | 36 |
| 225X00000X | Occupational Therapist |  | 1 | 2 | 61 | 30 | 16 |
| 363L00000X | Nurse Practitioner |  |  | 3 | 59 | 49 | 48 |
| 2251X0800X | Orthopedic Physical Therapist |  | 2 |  | 59 | 19 | 8 |
| 208D00000X | General Practice Physician | 2 | 5 | 6 | 59 | 49 | 43 |
| 208VP0014X | Interventional Pain Medicine Physician | 1 |  | 1 | 58 | 56 | 44 |
| 207RI0200X | Infectious Disease Physician | 2 | 1 |  | 58 | 41 | 32 |
| 106H00000X | Marriage & Family Therapist |  | 1 | 1 | 55 | 41 | 27 |
| 261QP2000X | Physical Therapy Clinic/Center |  | 2 | 3 | 55 | 21 | 13 |
| 207RH0003X | Hematology & Oncology Physician |  |  |  | 44 | 40 | 20 |
| 208800000X | Urology Physician |  |  | 1 | 44 | 54 | 30 |
| 213E00000X | Podiatrist | 2 | 1 | 7 | 43 | 44 | 20 |
| 261QR0400X | Rehabilitation Clinic/Center |  |  |  | 39 | 26 | 9 |
| 207RG0100X | Gastroenterology Physician | 1 | 2 | 2 | 39 | 44 | 26 |
| 208VP0000X | Pain Medicine Physician | 1 | 1 | 2 | 39 | 31 | 30 |
| 207RP1001X | Pulmonary Disease Physician | 2 | 1 | 1 | 39 | 47 | 26 |
| 363AS0400X | Surgical Physician Assistant |  |  |  | 39 | 37 | 28 |
| 261QH0100X | Health Service Clinic/Center |  |  |  | 38 | 10 | 2 |
| 103G00000X | Clinical Neuropsychologist |  | 2 | 7 | 38 | 39 | 26 |
| 207RI0011X | Interventional Cardiology Physician |  |  |  | 37 | 29 | 23 |
| 207RE0101X | Endocrinology, Diabetes & Metabolism Physician |  |  | 1 | 32 | 25 | 14 |
| 207Y00000X | Otolaryngology Physician | 2 | 1 | 3 | 30 | 26 | 22 |
| 208200000X | Plastic Surgery Physician | 1 |  | 1 | 29 | 14 | 12 |
| 207RC0200X | Critical Care Medicine (Internal Medicine) Physician |  |  |  | 28 | 23 | 17 |
| 207QS0010X | Sports Medicine (Family Medicine) Physician |  | 1 | 2 | 27 | 20 | 19 |
| 261QM1300X | Multi-Specialty Clinic/Center | 1 |  | 1 | 25 | 25 | 22 |
| 2081S0010X | Sports Medicine (Physical Medicine & Rehabilitation) Physician |  |  |  | 25 | 20 | 16 |
| 261QU0200X | Urgent Care Clinic/Center | 2 | 5 | 1 | 25 | 23 | 18 |
| 225XH1200X | Hand Occupational Therapist |  |  |  | 25 | 9 | 2 |
| 261Q00000X | Clinic/Center | 2 |  |  | 24 | 17 | 14 |
| 207RC0001X | Clinical Cardiac Electrophysiology Physician |  |  |  | 23 | 15 | 7 |
| 171100000X | Acupuncturist | 2 |  | 3 | 23 | 15 | 13 |
| 204D00000X | Neuro musculoskeletal Medicine & OMM Physician |  |  |  | 22 | 25 | 18 |
| 1041C0700X | Clinical Social Worker | 1 |  | 1 | 22 | 18 | 10 |
| 163W00000X | Registered Nurse |  |  |  | 22 | 18 | 9 |
| 208M00000X | Hospitalist Physician |  | 1 | 2 | 22 | 12 | 4 |
| 282N00000X | General Acute Care Hospital | 1 | 3 | 1 | 22 | 24 | 21 |
| 2083P0500X | Preventive Medicine/Occupational Environmental Medicine Physician | 2 | 1 | 5 | 21 | 19 | 15 |
| 207XS0114X | Adult Reconstructive Orthopaedic Surgery Physician | 1 | 2 | 2 | 21 | 15 | 10 |
| 207N00000X | Dermatology Physician |  | 1 | 3 | 19 | 24 | 10 |
| 207RR0500X | Rheumatology Physician |  |  |  | 19 | 14 | 7 |
| 2086S0129X | Vascular Surgery Physician | 1 |  |  | 18 | 13 | 9 |
| 207XX0801X | Orthopaedic Trauma Physician | 1 |  |  | 18 | 9 | 6 |
| 235Z00000X | Speech-Language Pathologist |  |  |  | 17 | 21 | 18 |
|  | All Others | 40 | 52 | 69 | 740 | 613 | 493 |
| TOTAL |  | **226** | **306** | **471** | **7,386** | **5,952** | **4,222** |

1. <https://www.hcup-us.ahrq.gov/toolssoftware/ccsr/ccs_refined.jsp#overdiagnoses> [↑](#footnote-ref-1)
2. <https://nucc.org/index.php/code-sets-mainmenu-41/provider-taxonomy-mainmenu-40/pdf-mainmenu-53> [↑](#footnote-ref-2)