Medical Bills Statistics for COVID-19 Claims

2020-2021

July, 2022

Oakland, California



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# Introduction

## 1.1 Data Source

The Division of Worker’s Compensation’s (DWC’s) Workers’ Compensation Information System (WCIS) collect 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

As seen in older non COVID -19 WCIS data the match rate between the FROI/SROI and medical system was 85 to 87 %. Meaning we have medical bill reported for about 87% of reported FROIs. When it comes to COVID-19 claims however, the match rate is very low. In the FROI/SROI system, for the period covered in this report, the number of COVID-19 claims is 246,718. Of these claims, only 38,796 (16%) have related medical bills reported.

This low volume of medical bills for COVID-19 claims has also been mentioned by others in the industry. For example WCIRB during their Annual Conference of 2022 have reported that most of their COVID-19 claims are indemnity only claims. This may be due to several reasons: the treatment may have been done in the workers’ compensation system but the medical bills is late in being reported, medical treatment was done outside of the workers’ compensation system, or the claims are mild symptoms and did not require any medical treatment. For these reasons, data in this report do not give a good measure of the COVID -19 volume. However, the presented statistics gives insight to the characteristics of the reported COVID-19 medical bills.

# 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. As mentioned earlier in the presentation, it is worth noting that these are only count of COVID-19 claims that have one or more medical bills reported in WCIS and do not represent all COVID-19 claims in the California workers’ compensation system.

Table 2:1 COVID-19 Claims by Age at Injury

|  | 2020 | 2020 | 2021 | 2021 |
| --- | --- | --- | --- | --- |
| AGE | COUNT | % | COUNT | % |
| 14-15 | 1 | 0.0 | 0 | 0.0 |
| 16-19 | 516 | 1.9 | 482 | 4.6 |
| 20-24 | 1,908 | 7.1 | 860 | 8.3 |
| 25-34 | 7,109 | 26.5 | 2,826 | 27.1 |
| 35-44 | 6,708 | 25.0 | 2,598 | 24.9 |
| 45-54 | 6,169 | 23.0 | 2,342 | 22.5 |
| 55-64 | 3,670 | 13.7 | 1,092 | 10.5 |
| 65-84 | 727 | 2.7 | 207 | 2.0 |
| UNKNOWN | 12 | 0.0 | 6 | 0.1 |
| TOTAL | 26,820 | 100 | 10,413 | 100 |

 *Source: WCIS, FROI/SROI database*

## Gender

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

Table 2:2 COVID-19 Claims by Gender

|  | 2020 | 2020 | 2021 | 2021 |
| --- | --- | --- | --- | --- |
|  GENDER | NUMBER | % | NUMBER | % |
| Female  | 11,308 | 51.1 | 8,518 | 46.7 |
| Male | 10,627 | 48.0 | 9,441 | 51.7 |
| Unknown | 209 | 0.9 | 295 | 1.6 |
| Total | 22,144 | 100 | 18,254 | 100 |

*Source: WCIS, FROI/SROI database*

# Medical Bills

## 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 COVID-19 bills and COVID-19 claims by region and county.

Table 3:1 Count of COVID-19 Bills by Region and County – 2020

| REGION | COUNTY | BILL COUNT | % |
| --- | --- | --- | --- |
| BAY AREA | ALAMEDA | 5,371 | 23.4 |
|  | SAN FRANCISCO | 4,079 | 17.8 |
|  | SANTA CLARA | 4,054 | 17.7 |
|  | CONTRA COSTA | 2,978 | 13 |
|  | SAN MATEO | 2,514 | 11 |
|  | SONOMA | 1,746 | 7.6 |
|  | SOLANO | 1,143 | 5 |
|  | MARIN | 602 | 2.6 |
|  | NAPA | 427 | 1.9 |
| BAY AREA Total |   | **22,914** | **10.1** |
| CENTRAL COAST | VENTURA | 2,284 | 37.9 |
|  | MONTEREY | 1,991 | 33.1 |
|  | SANTA BARBARA | 775 | 12.9 |
|  | SAN LUIS OBISPO | 415 | 6.9 |
|  | SANTA CRUZ | 330 | 5.5 |
|  | SAN BENITO | 226 | 3.8 |
| CENTRAL COAST Total |   | **6,021** | **2.6** |
| CENTRAL VALLEY | KERN | 21,810 | 52.9 |
|  | FRESNO | 9,590 | 23.2 |
|  | TULARE | 3,058 | 7.4 |
|  | SAN JOAQUIN | 2,645 | 6.4 |
|  | STANISLAUS | 1,957 | 4.7 |
|  | KINGS | 1,520 | 3.7 |
|  | MERCED | 521 | 1.3 |
|  | MADERA | 150 | 0.4 |
| CENTRAL VALLEY Total |   | **41,251** | **18.1** |
| EASTERN SIERRA FOOTHILLS | PLACER | 2,501 | 81.3 |
|  | NEVADA | 197 | 6.4 |
|  | TUOLUMNE | 160 | 5.2 |
|  | AMADOR | 155 | 5 |
|  | MONO | 24 | 0.8 |
|  | CALAVERAS | 22 | 0.7 |
|  | EL DORADO | 18 | 0.6 |
| EASTERN SIERRA FOOTHILLS Total |   | **3,077** | **1.4** |
| INLAND EMPIRE | ORANGE | 22,716 | 40.5 |
|  | SAN BERNARDINO | 15,314 | 27.3 |
|  | RIVERSIDE | 13,683 | 24.4 |
|  | IMPERIAL | 4,332 | 7.7 |
| INLAND EMPIRE Total |   | **56,045** | **24.6** |
| LOS ANGELES | LOS ANGELES | 74,506 | 100 |
| LOS ANGELES Total |   | **74,506** | **32.7** |
| NORTH STATE-SHASTA | SHASTA | 399 | 38.6 |
|  | HUMBOLDT | 190 | 18.4 |
|  | SISKIYOU | 90 | 8.7 |
|  | LASSEN | 89 | 8.6 |
|  | DEL NORTE | 78 | 7.5 |
|  | MENDOCINO | 70 | 6.8 |
|  | LAKE | 64 | 6.2 |
|  | PLUMAS | 48 | 4.6 |
|  | MODOC | 7 | 0.7 |
| NORTH STATE-SHASTA Total |   | **1,035** | **0.5** |
| SACRAMENTO VALLEY | SACRAMENTO | 5,410 | 90.2 |
|  | YOLO | 587 | 9.8 |
| SACRAMENTO VALLEY Total |   | **5,997** | **2.6** |
| SACRAMENTO VALLEY (N.) | BUTTE | 503 | 59.2 |
|  | YUBA | 209 | 24.6 |
|  | SUTTER | 78 | 9.2 |
|  | TEHAMA | 42 | 4.9 |
|  | GLENN | 17 | 2 |
| SACRAMENTO VALLEY (N.) Total |   | **849** | **0.4** |
| SAN DIEGO | SAN DIEGO | 15,832 | 100 |
| SAN DIEGO Total |   | **15,832** | **7** |
| GRAND TOTAL |  | **227,527** | **100** |

Table 3:2 Count of COVID-19 Bills by Region and County – 2021

| REGION | COUNTY | BILL COUNT | % |
| --- | --- | --- | --- |
| BAY AREA | SAN FRANCISCO | 5,150 | 25.7 |
|  | ALAMEDA | 4,619 | 23.1 |
|  | SANTA CLARA | 2,941 | 14.7 |
|  | CONTRA COSTA | 2,100 | 10.5 |
|  | SAN MATEO | 1,971 | 9.9 |
|  | SOLANO | 1,322 | 6.6 |
|  | SONOMA | 828 | 4.1 |
|  | MARIN | 710 | 3.5 |
|  | NAPA | 361 | 1.8 |
| BAY AREA Total |   | **20,002** | **7.8** |
| CENTRAL COAST | VENTURA | 3,221 | 42.1 |
|  | MONTEREY | 1,943 | 25.4 |
|  | SANTA BARBARA | 1,215 | 15.9 |
|  | SAN LUIS OBISPO | 644 | 8.4 |
|  | SANTA CRUZ | 443 | 5.8 |
|  | SAN BENITO | 187 | 2.4 |
| CENTRAL COAST Total |   | **7,653** | **3.0** |
| CENTRAL VALLEY | KERN | 11,444 | 36.4 |
|  | FRESNO | 10,174 | 32.4 |
|  | TULARE | 3,144 | 10.0 |
|  | SAN JOAQUIN | 2,297 | 7.3 |
|  | STANISLAUS | 2,013 | 6.4 |
|  | KINGS | 1,738 | 5.5 |
|  | MERCED | 340 | 1.1 |
|  | MADERA | 254 | 0.8 |
| CENTRAL VALLEY Total |   | **31,404** | **12.3** |
| EASTERN SIERRA FOOTHILLS | PLACER | 2,981 | 81.9 |
|  | AMADOR | 299 | 8.2 |
|  | NEVADA | 128 | 3.5 |
|  | TUOLUMNE | 95 | 2.6 |
|  | CALAVERAS | 70 | 1.9 |
|  | EL DORADO | 65 | 1.8 |
|  | MONO | 2 | 0.1 |
|  | INYO | 1 | 0.0 |
| EASTERN SIERRA FOOTHILLS Total |   | **3,641** | **1.4** |
| INLAND EMPIRE | ORANGE | 24,092 | 36.0 |
|  | SAN BERNARDINO | 21,673 | 32.4 |
|  | RIVERSIDE | 18,215 | 27.2 |
|  | IMPERIAL | 2,992 | 4.5 |
| INLAND EMPIRE Total |   | **66,972** | **26.2** |
| LOS ANGELES | LOS ANGELES | 94,721 | 100 |
| LOS ANGELES Total |   | **94,721** | **37.1** |
| NORTH STATE-SHASTA | SHASTA | 889 | 60.0 |
|  | LASSEN | 265 | 17.9 |
|  | HUMBOLDT | 92 | 6.2 |
|  | SISKIYOU | 68 | 4.6 |
|  | PLUMAS | 65 | 4.4 |
|  | DEL NORTE | 64 | 4.3 |
|  | LAKE | 21 | 1.4 |
|  | MODOC | 10 | 0.7 |
|  | MENDOCINO | 8 | 0.5 |
| NORTH STATE-SHASTA Total |   | **1,482** | **0.6** |
| SACRAMENTO VALLEY | SACRAMENTO | 8,412 | 96.8 |
|  | YOLO | 277 | 3.2 |
| SACRAMENTO VALLEY Total |   | **8,689** | **3.4** |
| SACRAMENTO VALLEY (N.) | BUTTE | 857 | 77.4 |
|  | SUTTER | 121 | 10.9 |
|  | TEHAMA | 58 | 5.2 |
|  | YUBA | 57 | 5.1 |
|  | GLENN | 10 | 0.9 |
|  | COLUSA | 4 | 0.4 |
| SACRAMENTO VALLEY (N.) Total |   | **1,107** | **0.4** |
| SAN DIEGO | SAN DIEGO | 19,860 | 100.0 |
| SAN DIEGO Total |   | **19,860** | **7.8** |
| GRAND TOTAL |  | **255,531** | **100.0** |

Table 3:3 COVID-19 Claims with Medical Bills by Region and County- 2020

| REGION | COUNTY | CLAIM COUNT | % |
| --- | --- | --- | --- |
| BAY AREA | ALAMEDA | 831 | 28.3 |
|  | SANTA CLARA | 586 | 20 |
|  | SAN FRANCISCO | 335 | 11.4 |
|  | SONOMA | 309 | 10.5 |
|  | SAN MATEO | 297 | 10.1 |
|  | CONTRA COSTA | 276 | 9.4 |
|  | SOLANO | 172 | 5.9 |
|  | MARIN | 65 | 2.2 |
|  | NAPA | 63 | 2.1 |
| BAY AREA Total |   | **2,934** | **12** |
| CENTRAL COAST | VENTURA | 332 | 40 |
|  | MONTEREY | 241 | 29 |
|  | SANTA BARBARA | 109 | 13.1 |
|  | SAN LUIS OBISPO | 70 | 8.4 |
|  | SANTA CRUZ | 56 | 6.7 |
|  | SAN BENITO | 23 | 2.8 |
| CENTRAL COAST Total |   | **831** | **3.4** |
| CENTRAL VALLEY | KERN | 1,027 | 30.7 |
|  | FRESNO | 1,013 | 30.3 |
|  | TULARE | 410 | 12.3 |
|  | STANISLAUS | 395 | 11.8 |
|  | SAN JOAQUIN | 273 | 8.2 |
|  | KINGS | 136 | 4.1 |
|  | MERCED | 75 | 2.2 |
|  | MADERA | 14 | 0.4 |
| CENTRAL VALLEY Total |   | **3,343** | **13.7** |
| EASTERN SIERRA FOOTHILLS | PLACER | 457 | 87.4 |
|  | AMADOR | 27 | 5.2 |
|  | TUOLUMNE | 12 | 2.3 |
|  | NEVADA | 11 | 2.1 |
|  | EL DORADO | 7 | 1.3 |
|  | CALAVERAS | 5 | 1 |
|  | MONO | 4 | 0.8 |
| EASTERN SIERRA FOOTHILLS Total |  | **523** | **2.1** |
| INLAND EMPIRE | SAN BERNARDINO | 3,151 | 45.3 |
|  | ORANGE | 2,250 | 32.4 |
|  | RIVERSIDE | 1,262 | 18.2 |
|  | IMPERIAL | 286 | 4.1 |
| INLAND EMPIRE Total |   | **6,949** | **28.5** |
| LOS ANGELES | LOS ANGELES | 6,961 | 100 |
| LOS ANGELES Total |   | **6,961** | **28.6** |
| NORTH STATE-SHASTA | HUMBOLDT | 44 | 31.9 |
|  | SHASTA | 31 | 22.5 |
|  | MENDOCINO | 17 | 12.3 |
|  | SISKIYOU | 13 | 9.4 |
|  | LASSEN | 11 | 8 |
|  | DEL NORTE | 11 | 8 |
|  | LAKE | 8 | 5.8 |
|  | PLUMAS | 2 | 1.4 |
|  | MODOC | 1 | 0.7 |
| NORTH STATE-SHASTA Total |   | **138** | **0.6** |
| SACRAMENTO VALLEY | SACRAMENTO | 826 | 83.4 |
|  | YOLO | 164 | 16.6 |
| SACRAMENTO VALLEY Total |   | **990** | **4.1** |
| SACRAMENTO VALLEY (N.) | BUTTE | 44 | 62 |
|  | YUBA | 10 | 14.1 |
|  | SUTTER | 9 | 12.7 |
|  | GLENN | 4 | 5.6 |
|  | TEHAMA | 4 | 5.6 |
| SACRAMENTO VALLEY (N.) Total |  | **71** | **0.3** |
| SAN DIEGO | SAN DIEGO | 1,626 | 100 |
| SAN DIEGO Total |   | **1,626** | **6.7** |
| GRAND TOTAL |  | **24,366** | **100** |

Table 3:4 COVID-19 Claims with Medical Bills by Region and County - 2021

| REGION | COUNTY | CLAIM COUNT | % |
| --- | --- | --- | --- |
| BAY AREA | ALAMEDA | 466 | 21.2 |
|  | SAN FRANCISCO | 445 | 20.3 |
|  | SANTA CLARA | 386 | 17.6 |
|  | CONTRA COSTA | 278 | 12.7 |
|  | SAN MATEO | 197 | 9 |
|  | SOLANO | 160 | 7.3 |
|  | SONOMA | 154 | 7 |
|  | MARIN | 70 | 3.2 |
|  | NAPA | 39 | 1.8 |
| BAY AREA Total |   | **2,195** | **10** |
| CENTRAL COAST | VENTURA | 242 | 35.9 |
|  | SANTA BARBARA | 161 | 23.9 |
|  | MONTEREY | 153 | 22.7 |
|  | SAN LUIS OBISPO | 66 | 9.8 |
|  | SANTA CRUZ | 41 | 6.1 |
|  | SAN BENITO | 11 | 1.6 |
| CENTRAL COAST Total |   | **674** | **3.1** |
| CENTRAL VALLEY | FRESNO | 891 | 29.9 |
|  | KERN | 834 | 28 |
|  | SAN JOAQUIN | 434 | 14.5 |
|  | TULARE | 310 | 10.4 |
|  | STANISLAUS | 253 | 8.5 |
|  | KINGS | 186 | 6.2 |
|  | MERCED | 57 | 1.9 |
|  | MADERA | 18 | 0.6 |
| CENTRAL VALLEY Total |   | **2,983** | **13.6** |
| EASTERN SIERRA FOOTHILLS | PLACER | 402 | 85.9 |
|  | AMADOR | 18 | 3.8 |
|  | TUOLUMNE | 17 | 3.6 |
|  | EL DORADO | 16 | 3.4 |
|  | NEVADA | 8 | 1.7 |
|  | CALAVERAS | 5 | 1.1 |
|  | INYO | 1 | 0.2 |
|  | MONO | 1 | 0.2 |
| EASTERN SIERRA FOOTHILLS Total |   | **468** | **2.1** |
| INLAND EMPIRE | SAN BERNARDINO | 2,950 | 43.5 |
|  | ORANGE | 2,205 | 32.5 |
|  | RIVERSIDE | 1,495 | 22.1 |
|  | IMPERIAL | 127 | 1.9 |
| INLAND EMPIRE Total |   | **6,777** | **30.9** |
| LOS ANGELES | LOS ANGELES | 6,082 | 100 |
| LOS ANGELES Total |   | **6,082** | **27.7** |
| NORTH STATE-SHASTA | SHASTA | 72 | 47.1 |
|  | LASSEN | 33 | 21.6 |
|  | HUMBOLDT | 11 | 7.2 |
|  | DEL NORTE | 11 | 7.2 |
|  | SISKIYOU | 8 | 5.2 |
|  | PLUMAS | 8 | 5.2 |
|  | MODOC | 4 | 2.6 |
|  | MENDOCINO | 4 | 2.6 |
|  | LAKE | 2 | 1.3 |
| NORTH STATE-SHASTA Total |   | **153** | **0.7** |
| SACRAMENTO VALLEY | SACRAMENTO | 712 | 94.6 |
|  | YOLO | 41 | 5.4 |
| SACRAMENTO VALLEY Total |   | **753** | **3.4** |
| SACRAMENTO VALLEY (N.) | BUTTE | 82 | 74.5 |
|  | SUTTER | 14 | 12.7 |
|  | YUBA | 6 | 5.5 |
|  | TEHAMA | 5 | 4.5 |
|  | GLENN | 2 | 1.8 |
|  | COLUSA | 1 | 0.9 |
| SACRAMENTO VALLEY (N.) Total |   | **110** | **0.5** |
| SAN DIEGO | SAN DIEGO | 1,749 | 100 |
| SAN DIEGO Total |   | **1,749** | **8** |
| GRAND TOTAL |  | **21,944** | **100** |

## Facility Type

Information on the type of facility where a service is performed is collected in WCIS using Place of Service code for non-institutional bills and Facility Type Code for institutional bills. Place of service uses the CMS place of service code and facility type code uses the NUBC UB-04 American Hospital Association codes.

Table 3:5 COVID-19 Medical Bills by Place of Service (non-institutional bills) 2020-2021

|   | 2020 | 2020 | 2021 | 2020 |
| --- | --- | --- | --- | --- |
| PLACE OF SERVICE | COUNT | % | COUNT | % |
| Office | 77,582 | 45.0 | 166,383 | 65.6 |
| Inpatient Hospital | 37,549 | 21.8 | 19,748 | 7.8 |
| Telehealth | 16,151 | 9.4 | 15,978 | 6.3 |
| Urgent Care Facility | 12,298 | 7.1 | 9,450 | 3.7 |
| Independent Laboratory | 8,094 | 4.7 | 16,301 | 6.4 |
| Emergency Room Hospital | 6,988 | 4.1 | 3,190 | 1.3 |
| Pharmacy | 3,433 | 2.0 | 7,240 | 2.9 |
| On Campus Outpatient Hospital | 3,377 | 2.0 | 3,733 | 1.5 |
| Home | 2,007 | 1.2 | 4,752 | 1.9 |
| Other Place of Service \* | 1,884 | 1.1 | 3,830 | 1.5 |
| Ambulance | 1,545 | 0.9 | 492 | 0.2 |
| Rehabilitation Facility | 8 | 0.0 | 1,053 | 0.4 |
| All Others\*\* | 1,509 | 0.9 | 1,419 | 0.6 |
| TOTAL | **172,425** | **100.0** | **253,569** | **100.0** |

*\* = This is an actual category from the CMS place of service list.*

*\*\* = Aggregated data for all Place of Services not listed on the table*.

Table 3:6 COVID-19 Medical Bills by Facility type (institutional bills) 2020-2021

|   | 2020 | 2020 | 2021 | 2021 |
| --- | --- | --- | --- | --- |
|  FACILITY TYPE | COUNT | % | COUNT | % |
| Inpatient | 27,016 | 42.2 | 3,291 | 20.8 |
| Hospital Outpatient | 34,552 | 53.9 | 11,267 | 71.1 |
| Ambulatory Surgery Center  | 20 | 0.0 | 62 | 0.4 |
| Outpatient Other\* | 2,410 | 3.8 | 1,220 | 7.7 |
| Unknown | 80 | 0.1 | 5 | 0.0 |
| TOTAL | **64,078** | **100.0** | **15,845** | **100.0** |

##  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 3:7 to 3:10 uses these clinical categories.

Table 3:7 Primary Diagnosis on COVID-19 Claims-2020

| DESCRIPTION | COUNT | % |
| --- | --- | --- |
| Exposure, encounters, screening or contact with infectious disease | 7,344 | 27.0 |
| Respiratory signs and symptoms | 2,684 | 9.9 |
| Other unspecified injury | 2,264 | 8.3 |
| Viral infection | 1,631 | 6.0 |
| Pneumonia (except that caused by tuberculosis) | 1,227 | 4.5 |
| Personal/family history of disease | 1,164 | 4.3 |
| Other specified upper respiratory infections | 770 | 2.8 |
| Abnormal findings without diagnosis | 541 | 2.0 |
| Nonspecific chest pain | 537 | 2.0 |
| Respiratory failure; insufficiency; arrest | 521 | 1.9 |
| Other specified encounters and counseling | 406 | 1.5 |
| Fever | 405 | 1.5 |
| Musculoskeletal pain, not low back pain | 340 | 1.2 |
| Septicemia | 338 | 1.2 |
| Encounter for observation and examination for conditions ruled out (excludes infectious disease, neoplasm, mental disorders) | 332 | 1.2 |
| Abdominal pain and other digestive/abdomen signs and symptoms | 323 | 1.2 |
| Malaise and fatigue | 306 | 1.1 |
| Circulatory signs and symptoms | 296 | 1.1 |
| Other general signs and symptoms | 285 | 1.0 |
| Nausea and vomiting | 245 | 0.9 |
| Headache; including migraine | 240 | 0.9 |
| Other specified and unspecified lower respiratory disease | 200 | 0.7 |
| Sprains and strains, initial encounter | 199 | 0.7 |
| Medical examination/evaluation | 193 | 0.7 |
| Other specified status | 184 | 0.7 |
| Essential hypertension | 154 | 0.6 |
| Trauma- and stressor-related disorders | 154 | 0.6 |
| Nervous system signs and symptoms | 153 | 0.6 |
| Asthma | 147 | 0.5 |
| Implant, device or graft related encounter | 133 | 0.5 |
| Anxiety and fear-related disorders | 131 | 0.5 |
| Spondylopathies/spondyloarthropathy (including infective) | 129 | 0.5 |
| All Other Diagnosis | 3,236 | 11.9 |
| TOTAL | **27,212** | **100** |

Table 3:8 Primary Diagnosis on COVID-19 Bills-2021

| DESCRIPTION | COUNT | % |
| --- | --- | --- |
| Respiratory signs and symptoms | 3,028 | 12.0 |
| Other unspecified injury | 2,966 | 11.7 |
| Exposure, encounters, screening or contact with infectious disease | 1,254 | 5.0 |
| Nonspecific chest pain | 782 | 3.1 |
| Musculoskeletal pain, not low back pain | 753 | 3.0 |
| Viral infection | 729 | 2.9 |
| Abnormal findings without diagnosis | 625 | 2.5 |
| Malaise and fatigue | 588 | 2.3 |
| Sprains and strains, initial encounter | 574 | 2.3 |
| Sequela of specified infectious disease conditions | 570 | 2.3 |
| Circulatory signs and symptoms | 548 | 2.2 |
| Pneumonia (except that caused by tuberculosis) | 532 | 2.1 |
| Spondylopathies/spondyloarthropathy (including infective) | 495 | 2.0 |
| Encounter for observation and examination for conditions ruled out (excludes infectious disease, neoplasm, mental disorders) | 431 | 1.7 |
| Other specified upper respiratory infections | 427 | 1.7 |
| Asthma | 390 | 1.5 |
| Respiratory failure; insufficiency; arrest | 376 | 1.5 |
| Essential hypertension | 341 | 1.3 |
| Socioeconomic/psychosocial factors | 334 | 1.3 |
| Nervous system signs and symptoms | 312 | 1.2 |
| Trauma- and stressor-related disorders | 298 | 1.2 |
| Abdominal pain and other digestive/abdomen signs and symptoms | 297 | 1.2 |
| Other general signs and symptoms | 285 | 1.1 |
| Invalid PDX | 276 | 1.1 |
| Other specified and unspecified lower respiratory disease | 273 | 1.1 |
| Sprains and strains, subsequent encounter | 250 | 1.0 |
| Medical examination/evaluation | 250 | 1.0 |
| Headache; including migraine | 223 | 0.9 |
| Sleep wake disorders | 218 | 0.9 |
| Nausea and vomiting | 214 | 0.8 |
| Personal/family history of disease | 207 | 0.8 |
| Low back pain | 204 | 0.8 |
| Depressive disorders | 203 | 0.8 |
| Other specified status | 189 | 0.7 |
| Anxiety and fear-related disorders | 184 | 0.7 |
| General sensation/perception signs and symptoms | 173 | 0.7 |
| Other specified nervous system disorders | 170 | 0.7 |
| Muscle disorders | 146 | 0.6 |
| Cardiac dysrhythmias | 144 | 0.6 |
| Other specified and unspecified upper respiratory disease | 135 | 0.5 |
| Other specified connective tissue disease | 127 | 0.5 |
| Nerve and nerve root disorders | 123 | 0.5 |
| Other aftercare encounter | 122 | 0.5 |
| Implant, device or graft related encounter | 118 | 0.5 |
| All Other Diagnosis | 4,381 | 17.3 |
| TOTAL | **25,265** | **100** |

##### COVID-19 Medical Legal Bills Diagnosis

Medical Legal bills in WCIS data are identified by the following California specific Jurisdiction Codes: (ML100, ML101, ML102, ML103, ML104, ML105, ML106) for date of service until March 31, 2021. For date of service on or after April 1, 2021 the following codes were used (ML200, ML201, ML202, ML203, ML204, ML205, MLPRR)

 Table 3:9 COVID-19 Medical Legal Bills’ Primary Diagnosis – 2020

| DESCRIPTION | COUNT | % |
| --- | --- | --- |
| Other unspecified injury | 61 | 11.6 |
| Respiratory signs and symptoms | 57 | 10.9 |
| Pneumonia (except that caused by tuberculosis) | 28 | 5.3 |
| Personal/family history of disease | 25 | 4.8 |
| Exposure, encounters, screening or contact with infectious disease | 24 | 4.6 |
| Respiratory failure; insufficiency; arrest | 22 | 4.2 |
| Nonspecific chest pain | 17 | 3.2 |
| Musculoskeletal pain, not low back pain | 15 | 2.9 |
| Viral infection | 14 | 2.7 |
| Abnormal findings without diagnosis | 13 | 2.5 |
| Malaise and fatigue | 11 | 2.1 |
| Other specified status | 11 | 2.1 |
| Sprains and strains, initial encounter | 11 | 2.1 |
| Essential hypertension | 10 | 1.9 |
| Spondylopathies/spondyloarthropathy (including infective) | 10 | 1.9 |
| Circulatory signs and symptoms | 10 | 1.9 |
| Other general signs and symptoms | 10 | 1.9 |
| Septicemia | 8 | 1.5 |
| Encounter for observation and examination for conditions ruled out (excludes infectious disease, neoplasm, mental disorders) | 8 | 1.5 |
| Trauma- and stressor-related disorders | 7 | 1.3 |
| Headache; including migraine | 7 | 1.3 |
| Anxiety and fear-related disorders | 7 | 1.3 |
| Invalid PDX | 7 | 1.3 |
| Low back pain | 7 | 1.3 |
| Medical examination/evaluation | 7 | 1.3 |
| Diabetes mellitus without complication | 6 | 1.1 |
| Implant, device or graft related encounter | 6 | 1.1 |
| Asthma | 6 | 1.1 |
| Other specified and unspecified lower respiratory disease | 5 | 1.0 |
| Skin/Subcutaneous signs and symptoms | 4 | 0.8 |
| Socioeconomic/psychosocial factors | 4 | 0.8 |
| Abdominal pain and other digestive/abdomen signs and symptoms | 4 | 0.8 |
| Nervous system signs and symptoms | 4 | 0.8 |
| Other specified connective tissue disease | 3 | 0.6 |
| Disorders of lipid metabolism | 3 | 0.6 |
| Depressive disorders | 3 | 0.6 |
| Acute and unspecified renal failure | 3 | 0.6 |
| Other specified and unspecified upper respiratory disease | 3 | 0.6 |
| Nonrheumatic and unspecified valve disorders | 3 | 0.6 |
| All Other Diagnosis | 60 | 11.5 |
| TOTAL | **524** | **100** |

Table 3:10 COVID-19 Medical Legal Bills’ Primary Diagnosis – 2021

| DESCRIPTION | COUNT | % |
| --- | --- | --- |
| Other unspecified injury | 221 | 14.6 |
| Respiratory signs and symptoms | 134 | 8.9 |
| Spondylopathies/spondyloarthropathy (including infective) | 68 | 4.5 |
| Sprains and strains, initial encounter | 65 | 4.3 |
| Socioeconomic/psychosocial factors | 57 | 3.8 |
| Essential hypertension | 50 | 3.3 |
| Musculoskeletal pain, not low back pain | 50 | 3.3 |
| Encounter for observation and examination for conditions ruled out (excludes infectious disease, neoplasm, mental disorders) | 46 | 3.0 |
| Nonspecific chest pain | 38 | 2.5 |
| Invalid PDX | 33 | 2.2 |
| Viral infection | 29 | 1.9 |
| Asthma | 26 | 1.7 |
| Medical examination/evaluation | 26 | 1.7 |
| Pneumonia (except that caused by tuberculosis) | 26 | 1.7 |
| Malaise and fatigue | 25 | 1.7 |
| Abnormal findings without diagnosis | 24 | 1.6 |
| Sleep wake disorders | 24 | 1.6 |
| Trauma- and stressor-related disorders | 23 | 1.5 |
| Depressive disorders | 23 | 1.5 |
| Sequela of specified infectious disease conditions | 22 | 1.5 |
| Circulatory signs and symptoms | 21 | 1.4 |
| Other general signs and symptoms | 20 | 1.3 |
| Exposure, encounters, screening or contact with infectious disease | 18 | 1.2 |
| Headache; including migraine | 18 | 1.2 |
| Low back pain | 17 | 1.1 |
| Anxiety and fear-related disorders | 16 | 1.1 |
| Personal/family history of disease | 16 | 1.1 |
| Sprains and strains, subsequent encounter | 15 | 1.0 |
| Respiratory failure; insufficiency; arrest | 14 | 0.9 |
| Muscle disorders | 13 | 0.9 |
| Acute bronchitis | 13 | 0.9 |
| Nervous system signs and symptoms | 13 | 0.9 |
| Other specified connective tissue disease | 12 | 0.8 |
| Other specified and unspecified upper respiratory disease | 12 | 0.8 |
| Disorders of lipid metabolism | 11 | 0.7 |
| Hearing loss | 10 | 0.7 |
| Other specified and unspecified lower respiratory disease | 10 | 0.7 |
| Abdominal pain and other digestive/abdomen signs and symptoms | 9 | 0.6 |
| Diabetes mellitus without complication | 8 | 0.5 |
| Neurocognitive disorders | 8 | 0.5 |
| Nerve and nerve root disorders | 8 | 0.5 |
| Esophageal disorders | 7 | 0.5 |
| Other aftercare encounter | 7 | 0.5 |
| Encounter for mental health conditions | 7 | 0.5 |
| Other specified status | 7 | 0.5 |
| All Other Diagnosis | 189 | 12.5 |
| TOTAL | **1,509** | **100** |

##  3.4 Services

Services 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 service categories using Clinical Classification Software (CCS) for Services and procedures[[2]](#footnote-2). The Description in in Tables 3.11 and 3.12 use CCS categories.

Table 3:11 Services on COVID-19 Bills - 2020

| DESCRIPTION | COUNT | % |
| --- | --- | --- |
| Other Diagnostic Procedures (Interview, Evaluation, Consultation) | 40,397[[3]](#footnote-3) | 32.2 |
| Laboratory - Chemistry and Hematology | 21,834 | 17.4 |
| Other Laboratory | 14,028 | 11.2 |
| Routine Chest X-ray | 8,420 | 6.7 |
| Ancillary Services | 7,056 | 5.6 |
| Physical, Occupational, and Speech Therapy Exercises; Manipulation; and Other Procedures | 5,278 | 4.2 |
| Microscopic Examination (Bacterial Smear, Culture, Toxicology) | 3,446 | 2.7 |
| Medications (Injections, Infusions and Other Forms) | 3,249 | 2.6 |
| Other Therapeutic Procedures | 2,871 | 2.3 |
| Psychological and Psychiatric Evaluation and Therapy | 2,381 | 1.9 |
| DME and Supplies | 2,126 | 1.7 |
| Transportation - Patient, Provider, Equipment | 1,956 | 1.6 |
| Electrocardiogram | 1,754 | 1.4 |
| Nonhospital-Based Care (E.G., Home Health Care, Hospice) | 1,317 | 1.0 |
| Other Non-or Therapeutic Procedures on Skin and Breast | 921 | 0.7 |
| Other Diagnostic Procedures on Lung and Bronchus | 889 | 0.7 |
| Other Physical, Occupational, And Speech Therapy and Rehabilitation | 707 | 0.6 |
| CT Scan Chest | 637 | 0.5 |
| Other Diagnostic Radiology and Related Techniques | 545 | 0.4 |
| Diagnostic Physical, Occupational, and Speech Therapy | 543 | 0.4 |
| Diagnostic Ultrasound of Heart (Echocardiogram) | 514 | 0.4 |
| Arterial Blood Gases | 408 | 0.3 |
| Non operative Urinary System Measurements | 359 | 0.3 |
| Extracorporeal Circulation Auxiliary to Open Heart Procedures | 259 | 0.2 |
| Other Diagnostic Ultrasound | 242 | 0.2 |
| Other Respiratory Therapy | 235 | 0.2 |
| Magnetic Resonance Imaging | 199 | 0.2 |
| Electrographic Cardiac Monitoring | 187 | 0.1 |
| Other Vascular Catheterization, Not Heart | 176 | 0.1 |
| CT Scan Abdomen | 150 | 0.1 |
| Other Non-or Therapeutic Procedures on Musculoskeletal System | 145 | 0.1 |
| Prophylactic Vaccinations and Inoculations | 144 | 0.1 |
| Other Diagnostic Nervous System Procedures | 140 | 0.1 |
| Computerized Axial Tomography (CT) Scan Head | 119 | 0.1 |
| All Other | 1,113 | 0.9 |
| Unknown | 869 | 0.7 |
| TOTAL | **125,614** | **100** |

Table 3:12 Services on COVID-19 Bills - 2021

| DESCRIPTION | COUNT | % |
| --- | --- | --- |
| Other Diagnostic Procedures (Interview, Evaluation, Consultation) | 43,967 | 26.6 |
| Physical, Occupational, and Speech Therapy Exercises; Manipulation; and other Procedures | 28,897 | 17.5 |
| Laboratory - Chemistry and Hematology | 19,465 | 11.8 |
| Ancillary Services | 9,326 | 5.6 |
| Other Laboratory | 8,097 | 4.9 |
| Psychological and Psychiatric Evaluation And Therapy | 6,951 | 4.2 |
| Routine Chest X-ray | 5,818 | 3.5 |
| DME and Supplies | 4,854 | 2.9 |
| Other Diagnostic Procedures on Lung and Bronchus | 4,769 | 2.9 |
| Other Non-or Therapeutic Procedures on Skin and Breast | 2,686 | 1.6 |
| Transportation - Patient, Provider, Equipment | 2,286 | 1.4 |
| Diagnostic Physical, Occupational, and Speech Therapy | 2,167 | 1.3 |
| Other Respiratory Therapy | 2,111 | 1.3 |
| Microscopic Examination (Bacterial Smear, Culture, Toxicology) | 2,004 | 1.2 |
| Other Physical, Occupational, and Speech Therapy And Rehabilitation | 1,992 | 1.2 |
| Other Therapeutic Procedures | 1,842 | 1.1 |
| Electrocardiogram | 1,711 | 1.0 |
| Nonhospital-Based Care (E.G., Home Health Care, Hospice) | 1,571 | 1.0 |
| Diagnostic Ultrasound of Heart (Echocardiogram) | 1,421 | 0.9 |
| Medications (Injections, Infusions and Other Forms) | 1,273 | 0.8 |
| CT Scan Chest | 1,055 | 0.6 |
| Other Diagnostic Radiology and Related Techniques | 885 | 0.5 |
| Other Non-or Therapeutic Procedures on Musculoskeletal System | 829 | 0.5 |
| Other Diagnostic Nervous System Procedures | 773 | 0.5 |
| CPT Codes Not Classified (Codes Ending In F) | 683 | 0.4 |
| Magnetic Resonance Imaging | 535 | 0.3 |
| Electrographic Cardiac Monitoring | 507 | 0.3 |
| Arterial Blood Gases | 467 | 0.3 |
| Electroencephalogram (ECG) | 340 | 0.2 |
| Ophthalmologic and Otologic Diagnosis and Treatment | 328 | 0.2 |
| Other Diagnostic Ultrasound | 308 | 0.2 |
| Extracorporeal Circulation Auxiliary to Open Heart Procedures | 267 | 0.2 |
| Traction, Splints, and other Wound Care | 224 | 0.1 |
| Non operative Urinary System Measurements | 209 | 0.1 |
| HCPCS Level II Codes not Classified (Codes Starting With M1; Some Codes Starting With G) | 171 | 0.1 |
| Cardiac Stress Tests | 169 | 0.1 |
| Diagnostic Ultrasound of Abdomen or Retroperitoneum | 148 | 0.1 |
| Anesthesia | 143 | 0.1 |
| Computerized Axial Tomography (CT) Scan Head | 133 | 0.1 |
| Other Diagnostic Cardiovascular Procedures | 114 | 0.1 |
| Prophylactic Vaccinations and Inoculations | 112 | 0.1 |
| Other Diagnostic Procedures of Urinary Tract | 111 | 0.1 |
| CT Scan Abdomen | 109 | 0.1 |
| Radioisotope Scan and Function Studies | 106 | 0.1 |
| Other Vascular Catheterization, not Heart | 105 | 0.1 |
| Pathology | 104 | 0.1 |
| All Other  | 1,154 | 0.7 |
| Unknown | 1,811 | 1.1 |
| TOTAL | **165,108** | **100** |

Table 3:13 COVID-19 Medical Legal Bills - 2020 and 2021

|  |  | 2020 | 2020 | 2021 | 2021 |
| --- | --- | --- | --- | --- | --- |
| ML CODE | DESCRIPTION | COUNT | PAID AMOUNT | COUNT | PAID AMOUNT |
| ML100 | Missed Appointment | 4 | $1,500 | 8 | $2,000 |
| ML101 | Follow up Medical Legal Evaluation |  |  |  |  |
| ML102 | Basic Comprehensive Medical-Legal Evaluation | 5 | $2,650 | 6 | $2,094 |
| ML103 | Complex comprehensive Medical legal Evaluation | 4 | $1,875 | 3 | $1,875 |
| ML104 | Comprehensive medical-legal evaluation involving extraordinary circumstances |  |  | 6 | $16,688 |
| ML105 | Fee for Medical-legal testimony |  |  | 1 | $125 |
| ML106 | Fees for supplemental medical-legal evaluations | 1 | $2,000 | 5 | $1,313 |
| ML200 | Missed Appointment for a Comprehensive or Follow-Up Medical-Legal Evaluation. |  |  | 60 | $24,179 |
| ML201 | Comprehensive Medical-Legal Evaluation. |  |  | 473 | $906,728 |
| ML202 | Follow-up Medical-Legal Evaluation. | 2 | $0 | 41 | $45,608 |
| ML203 | Fees for Supplemental Medical-Legal Evaluations. |  |  | 124 | $72,053 |
| ML204 | Fees for Medical-Legal Testimony. |  |  | 6 | $6,029 |
| ML205 | Fees for Review of Sub Rosa Recordings. |  |  | 3 | $1,300 |
| MLPRR | Record Review. |  |  | 271 | $412,532 |
|  | **TOTAL** | **16** | **$8,025** | **1,007** | **$1,492,523** |

##  Prescription

WCIS collects drug data using National Drug Codes (NDC). For brevity and presentation purposes, the reported NDCs have been group below using the Medi-Span[[4]](#footnote-4) Drug Groups.

Table 3:14 Prescription Bills by Drug Group and Average Paid - 2020-2021

|  DRUG GROUP | 2020 | 2020 | 2020 | 2021  | 2021 | 2021 |
| --- | --- | --- | --- | --- | --- | --- |
|  | COUNT | TOTAL PAID | AVG. PAID | COUNT | TOTAL PAID | AVG. PAID |
| ADHD/ANTI-NARCOLEPSY/ANTI-OBESITY/ANOREXIANTS | 0 |  |  | 4 | $299 | $74.82 |
| ALTERNATIVE MEDICINES | 12 | $345 | $28.73 | 43 | $331 | $7.70 |
| ANALGESICS - ANTI-INFLAMMATORY | 203 | $2,677 | $13.19 | 517 | $10,260 | $19.85 |
| ANALGESICS - NONNARCOTIC | 87 | $436 | $5.01 | 178 | $1,346 | $7.56 |
| ANALGESICS - OPIOID | 58 | $705 | $12.16 | 94 | $1,195 | $12.71 |
| ANDROGENS-ANABOLIC | 0 |  |  | 2 | $798 | $398.99 |
| ANORECTAL AGENTS | 1 | $22 | $21.51 | 4 | $56 | $14.09 |
| ANTACIDS | 1 | $4 | $4.32 | 1 | $3 | $3.43 |
| ANTHELMINTICS | 0 |  |  | 4 | $402 | $100.55 |
| ANTI-INFECTIVE AGENTS - MISC. | 19 | $315 | $16.59 | 49 | $3,606 | $73.60 |
| ANTIANGINAL AGENTS | 0 |  |  | 11 | $613 | $55.72 |
| ANTIANXIETY AGENTS | 45 | $459 | $10.19 | 122 | $1,333 | $10.92 |
| ANTIARRHYTHMICS | 11 | $2,709 | $246.29 | 10 | $4,674 | $467.40 |
| ANTIASTHMATIC AND BRONCHODILATOR AGENTS | 1,089 | $180,498 | $165.75 | 2,188 | $514,668 | $235.22 |
| ANTICOAGULANTS | 113 | $48,219 | $426.72 | 118 | $55,475 | $470.13 |
| ANTICONVULSANTS | 76 | $2,224 | $29.26 | 243 | $7,855 | $32.32 |
| ANTIDEPRESSANTS | 82 | $1,306 | $15.93 | 430 | $11,210 | $26.07 |
| ANTIDIABETICS | 39 | $7,482 | $191.84 | 36 | $17,049 | $473.59 |
| ANTIDIARRHEAL/PROBIOTIC AGENTS | 21 | $193 | $9.20 | 5 | $161 | $32.26 |
| ANTIDOTES AND SPECIFIC ANTAGONISTS | 0 |  |  | 4 | $506 | $126.46 |
| ANTIEMETICS | 74 | $3,197 | $43.20 | 72 | $1,905 | $26.46 |
| ANTIFUNGALS | 12 | $341 | $28.46 | 14 | $921 | $65.78 |
| ANTIHISTAMINES | 34 | $503 | $14.80 | 58 | $532 | $9.17 |
| ANTIHYPERLIPIDEMICS | 15 | $2,221 | $148.09 | 84 | $3,721 | $44.30 |
| ANTIHYPERTENSIVES | 65 | $1,608 | $24.74 | 139 | $2,655 | $19.10 |
| ANTIMALARIALS | 10 | $118 | $11.76 | 13 | $717 | $55.16 |
| ANTINEOPLASTICS AND ADJUNCTIVE THERAPIES | 1 | $0 | $0.00 | 0 |  |  |
| ANTIPSYCHOTICS/ANTIMANIC AGENTS | 11 | $108 | $9.77 | 23 | $1,447 | $62.91 |
| ANTIVIRALS | 15 | $6,036 | $402.40 | 4 | $66 | $16.54 |
| BETA BLOCKERS | 38 | $530 | $13.95 | 230 | $3,507 | $15.25 |
| CALCIUM CHANNEL BLOCKERS | 22 | $370 | $16.82 | 76 | $846 | $11.13 |
| CARDIOTONICS | 4 | $115 | $28.81 | 10 | $314 | $31.38 |
| CARDIOVASCULAR AGENTS - MISC. | 5 | $704 | $140.82 | 58 | $27,043 | $466.27 |
| CEPHALOSPORINS | 29 | $439 | $15.15 | 21 | $255 | $12.15 |
| CHEMICALS | 6 | $0 | $0.00 | 37 | $0 | $0.00 |
| CONTRACEPTIVES | 1 | $300 | $300.00 | 0 |  |  |
| CORTICOSTEROIDS | 207 | $2,631 | $12.71 | 301 | $4,337 | $14.41 |
| COUGH/COLD/ALLERGY | 281 | $5,011 | $17.83 | 249 | $7,534 | $30.26 |
| DERMATOLOGICALS | 80 | $3,560 | $44.49 | 259 | $29,210 | $112.78 |
| DIAGNOSTIC PRODUCTS | 14 | $1,122 | $80.14 | 43 | $10,752 | $250.04 |
| DIETARY PRODUCTS/DIETARY MANAGEMENT PRODUCTS | 2 | $369 | $184.29 | 7 | $1,278 | $182.54 |
| DIGESTIVE AIDS | 1 | $762 | $761.68 | 0 |  |  |
| DIURETICS | 18 | $67 | $3.74 | 60 | $461 | $7.68 |
| FLUOROQUINOLONES | 20 | $180 | $8.98 | 26 | $237 | $9.13 |
| GASTROINTESTINAL AGENTS - MISC. | 2 | $147 | $73.55 | 2 | $19 | $9.42 |
| GENERAL ANESTHETICS | 0 |  |  | 1 | $0 | $0.00 |
| GENITOURINARY AGENTS - MISCELLANEOUS | 6 | $176 | $29.25 | 8 | $364 | $45.55 |
| GOUT AGENTS | 3 | $689 | $229.58 | 11 | $4,298 | $390.75 |
| HEMATOLOGICAL AGENTS - MISC. | 2 | $760 | $379.86 | 5 | $81 | $16.26 |
| HEMATOPOIETIC AGENTS | 11 | $55 | $5.04 | 41 | $167 | $4.08 |
| HYPNOTICS/SEDATIVES/SLEEP DISORDER AGENTS | 9 | $667 | $74.11 | 24 | $1,882 | $78.43 |
| LAXATIVES | 19 | $287 | $15.12 | 15 | $319 | $21.29 |
| LOCAL ANESTHETICS-PARENTERAL | 0 |  |  | 3 | $42 | $13.97 |
| MACROLIDES | 176 | $3,294 | $18.71 | 108 | $1,643 | $15.21 |
| MEDICAL DEVICES AND SUPPLIES | 44 | $1,363 | $30.98 | 37 | $1,173 | $31.71 |
| MIGRAINE PRODUCTS | 31 | $8,270 | $266.77 | 92 | $36,762 | $399.59 |
| MINERALS & ELECTROLYTES | 66 | $321 | $4.87 | 30 | $262 | $8.74 |
| MISCELLANEOUS THERAPEUTIC CLASSES | 0 |  |  | 11 | $2,352 | $213.77 |
| MOUTH/THROAT/DENTAL AGENTS | 14 | $152 | $10.83 | 6 | $405 | $67.47 |
| MULTIVITAMINS | 6 | $22 | $3.62 | 18 | $99 | $5.48 |
| MUSCULOSKELETAL THERAPY AGENTS | 63 | $536 | $8.51 | 106 | $1,683 | $15.88 |
| NASAL AGENTS - SYSTEMIC AND TOPICAL | 81 | $1,122 | $13.85 | 90 | $2,505 | $27.84 |
| NEUROMUSCULAR AGENTS | 2 | $0 | $0.00 | 4 | $5,135 | $1,283.77 |
| NUTRIENTS | 0 |  |  | 1 | $24 | $23.86 |
| OPHTHALMIC AGENTS | 8 | $70 | $8.80 | 21 | $2,167 | $103.18 |
| OTIC AGENTS | 2 | $585 | $292.60 | 5 | $522 | $104.48 |
| PASSIVE IMMUNIZING AND TREATMENT AGENTS | 1 | $0 | $0.00 | 1 | $0 | $0.00 |
| PENICILLINS | 37 | $618 | $16.69 | 38 | $706 | $18.57 |
| PHARMACEUTICAL ADJUVANTS | 5 | $0 | $0.00 | 39 | $271 | $6.95 |
| PSYCHOTHERAPEUTIC AND NEUROLOGICAL AGENTS - MISC. | 0 |  |  | 2 | $147 | $73.36 |
| TETRACYCLINES | 29 | $418 | $14.40 | 31 | $604 | $19.47 |
| THYROID AGENTS | 6 | $39 | $6.52 | 11 | $51 | $4.67 |
| TOXOIDS | 7 | $130 | $18.52 | 5 | $187 | $37.48 |
| ULCER DRUGS/ANTISPASMODICS/ANTICHOLINERGICS | 113 | $5,214 | $46.14 | 285 | $14,371 | $50.43 |
| URINARY ANTISPASMODICS | 0 |  |  | 3 | $968 | $322.80 |
| VACCINES | 12 | $537 | $44.74 | 16 | $648 | $40.51 |
| VASOPRESSORS | 2 | $321 | $160.34 | 3 | $524 | $174.52 |
| VITAMINS | 56 | $240 | $4.28 | 40 | $153 | $3.83 |
| TOTAL | **3,635** | **$303,915** | **$83.61** | **6,960** | **$810,117** | **$116.40** |

Table 3:15 Distribution of COVID-19 Prescription by Brand Name Code Pharmacy Dispensed – 2020

| BRAND CODE | COUNT | % | TOTAL PAID | % |
| --- | --- | --- | --- | --- |
| BRAND | 843 | 24.7 | $201,315 | 67.1 |
| GENERIC | 2,569 | 75.3 | $98,493 | 32.9 |
| TOTAL | **3,412** | **100.0** | **$299,809** | **100.0** |

Table 3:16 Distribution of COVID-19 Prescription by Brand Name Code Pharmacy Dispensed – 2021

| BRAND CODE | COUNT | % | TOTAL PAID | % |
| --- | --- | --- | --- | --- |
| BRAND | 1,539 | 25.0 | $551,443 | 70.5 |
| GENERIC | 4,611 | 75.0 | $230,932 | 29.5 |
| TOTAL | **6,150** | **100.0** | **$782,376** | **100.0** |

Table 3:17 Distribution of COVID-19 Prescription by Brand Name Code Physician Dispensed – 2020

| BRAND CODE | COUNT | % | TOTAL PAID | % |
| --- | --- | --- | --- | --- |
| BRAND | 57 | 25.7 | $2,561 | 62.3 |
| GENERIC | 165 | 74.3 | $1,546 | 37.7 |
| TOTAL | **222** | **100.0** | **$4,107** | **100.0** |

Table 3:18 Distribution of COVID-19 Prescription by Brand Name Code Physician Dispensed – 2021

| BRAND CODE  | COUNT | % | TOTAL PAID | % |
| --- | --- | --- | --- | --- |
| BRAND | 262 | 32.4 | $19,642 | 70.8 |
| GENERIC | 546 | 67.6 | $8,099 | 29.2 |
| TOTAL | **808** | **100.0** | **$27,741** | **100.0** |

1. <https://www.hcup-us.ahrq.gov/toolssoftware/ccsr/ccs_refined.jsp#overdiagnoses> [↑](#footnote-ref-1)
2. <https://www.hcup-us.ahrq.gov/toolssoftware/ccs_svcsproc/ccssvcproc.jsp> [↑](#footnote-ref-2)
3. [↑](#footnote-ref-3)
4. <https://www.wolterskluwer.com/en/solutions/medi-span/medi-span/drug-data> [↑](#footnote-ref-4)