

Prescription Drug Monitoring Program Facts, Figures, and Trends 2nd Quarter 2021

North Dakota Board of Pharmacy
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Number of Users per Month

2021 Users

| January | February | March | April | May | June | July | August | September | October | November | December |
|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|
| 8944 | 9010 | 9058 | 9101 | 9132 | 9189 | | | | | | |
| 255 | 238 | 242 | 239 | 236 | 256 | | | | | | |
| 1556 | 1597 | 1527 | 1486 | 1461 | 1586 | | | | | | |

2020 Users

| January | February | March | April | May | June | July | August | September | October | November | December |
|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|
| 8272 | 8327 | 8374 | 8410 | 8454 | 8485 | 8568 | 8659 | 8704 | 8755 | 8800 | 8884 |
| 296 | 272 | 282 | 258 | 235 | 253 | 262 | 237 | 238 | 256 | 235 | 263 |
| 1844 | 1909 | 1713 | 1573 | 1596 | 1638 | 1676 | 1671 | 1595 | 1639 | 1467 | 1640 |

2019 Users

| January | February | March | April | May | June | July | August | September | October | November | December |
|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|
| 7457 | 7511 | 7585 | 7653 | 7685 | 7743 | 7792 | 7898 | 7974 | 8058 | 8132 | 8217 |
| 204 | 176 | 177 | 182 | 191 | 185 | 204 | 210 | 214 | 316 | 297 | 295 |
| 1774 | 1825 | 1526 | 1577 | 1614 | 1640 | 1636 | 1826 | 1828 | 1898 | 1858 | 1861 |

2018 Users

| January | February | March | April | May | June | July | August | September | October | November | December |
|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|
| 6041 | 6911 | 7084 | 7192 | 7260 | 7313 | 7396 | 7520 | 7585 | 7658 | 7281 | 7386 |
| 231 | 212 | 236 | 229 | 239 | 208 | 210 | 228 | 193 | 223 | 202 | 189 |
| 1912 | 2672 | 2065 | 1920 | 1891 | 1919 | 1962 | 1989 | 1847 | 1964 | 1822 | 1823 |

2017 Users

| January | February | March | April | May | June | July | August | September | October | November | December |
|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|
| 4748 | 4812 | 4885 | 4961 | 5053 | 5116 | 5181 | 5280 | 5327 | 5486 | 5588 | 5804 |
| 161 | 152 | 179 | 176 | 209 | 197 | 180 | 203 | 194 | 200 | 186 | 175 |
| 1623 | 1483 | 1635 | 1784 | 1824 | 1817 | 1765 | 1838 | 1548 | 1700 | 1798 | 1810 |

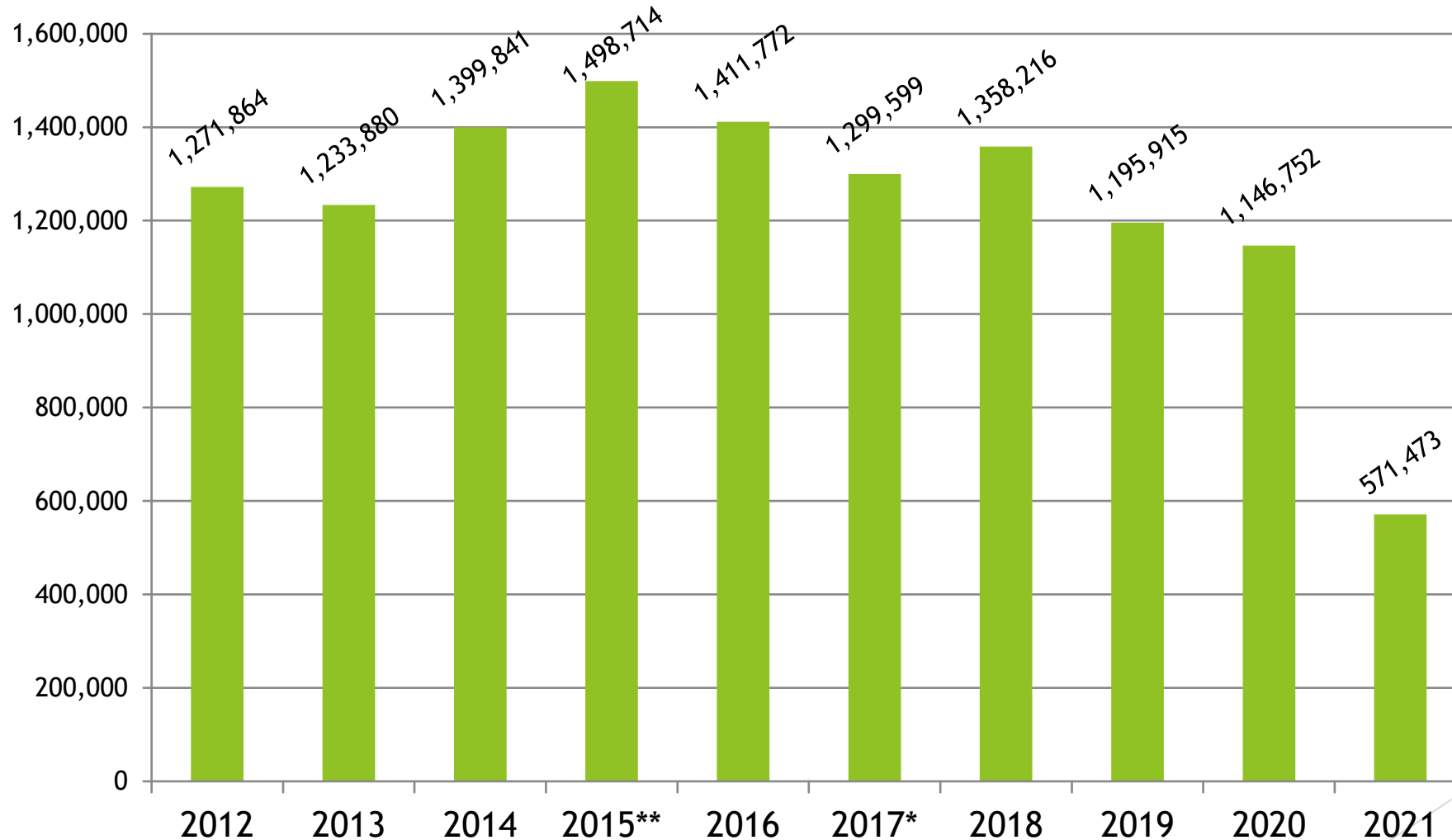
Chart Legend

Total Users

Avg. Daily Active Users

Monthly Active Users

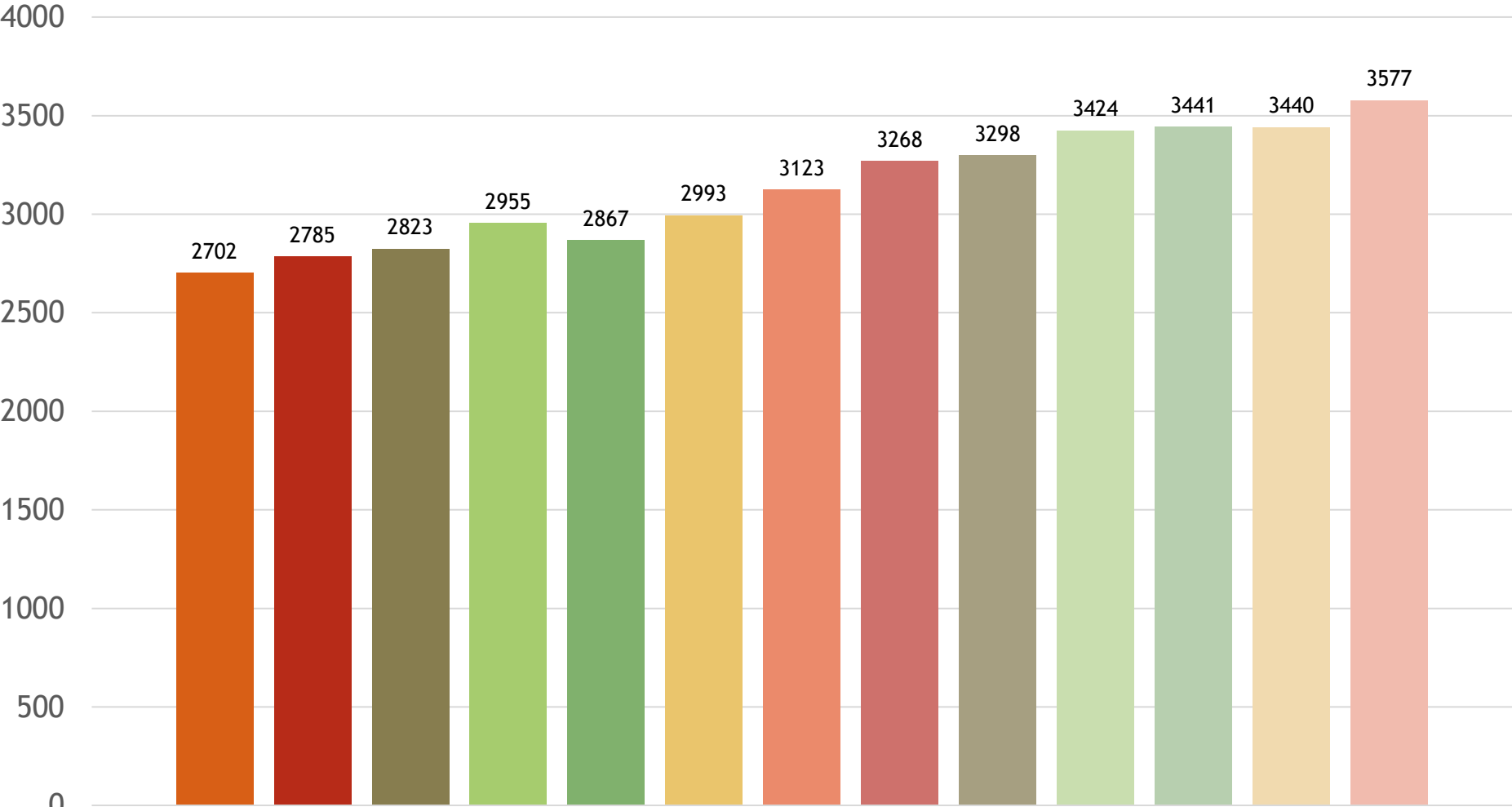
All Reportable Substances Dispensed/Year in ND or to ND Residents



*Gabapentin reporting started on August 1st, 2017; 2018 was the first full year of gabapentin collection.

**Veterans Affairs facilities started to report data in October 2015

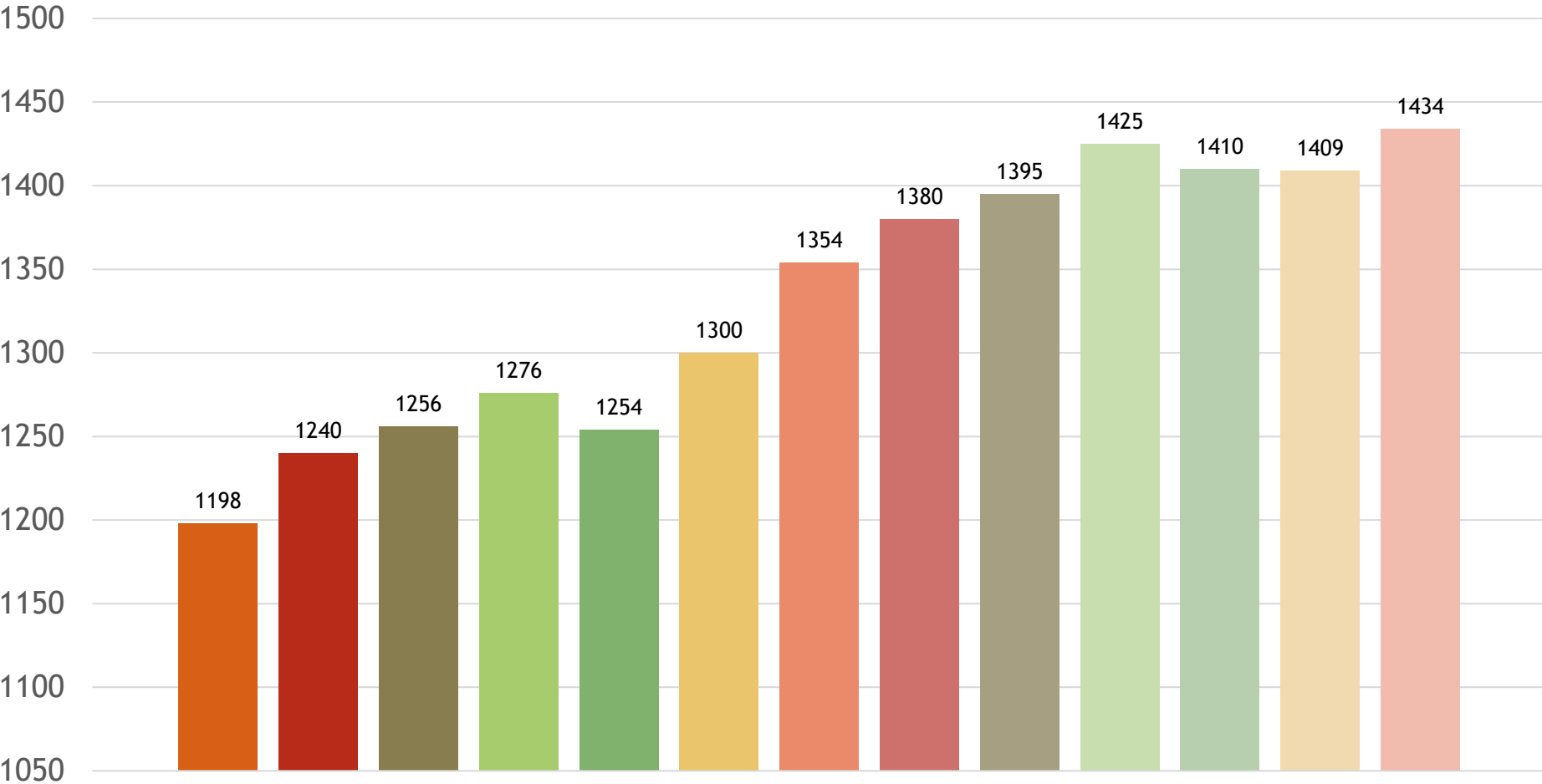
Medical Doctors Active Accounts



MD, DO, DPM, OD

- 2018 Q2
- 2018 Q3
- 2018 Q4
- 2019 Q1
- 2019 Q2
- 2019 Q3
- 2019 Q4
- 2020 Q1
- 2020 Q2
- 2020 Q3
- 2020 Q4
- 2021 Q1
- 2021 Q2

Pharmacists Active Accounts

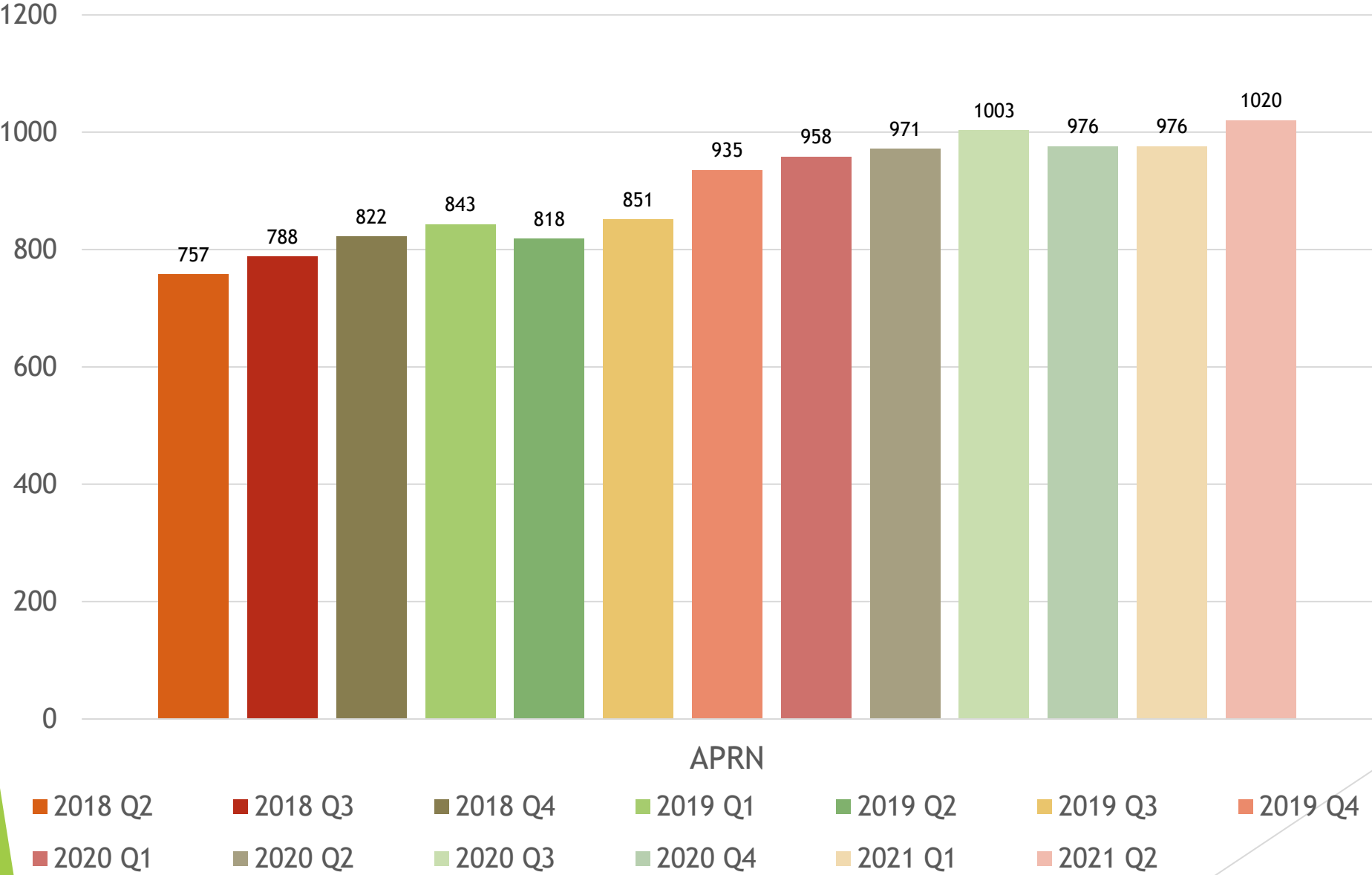


R.Ph., PharmD

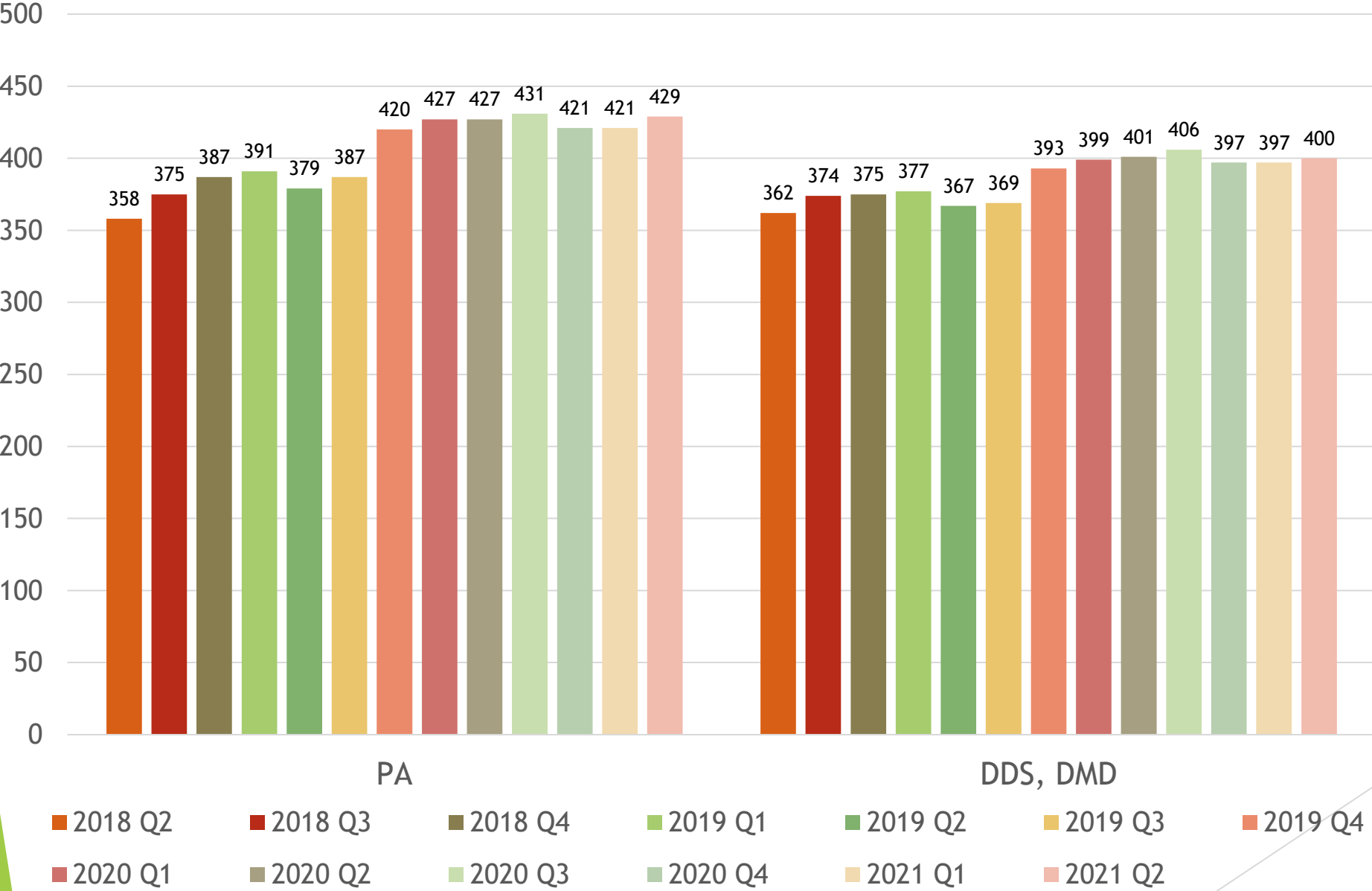
- 2018 Q2
- 2018 Q3
- 2018 Q4
- 2019 Q1
- 2019 Q2
- 2019 Q3
- 2019 Q4
- 2020 Q1
- 2020 Q2
- 2020 Q3
- 2020 Q4
- 2021 Q1
- 2021 Q2



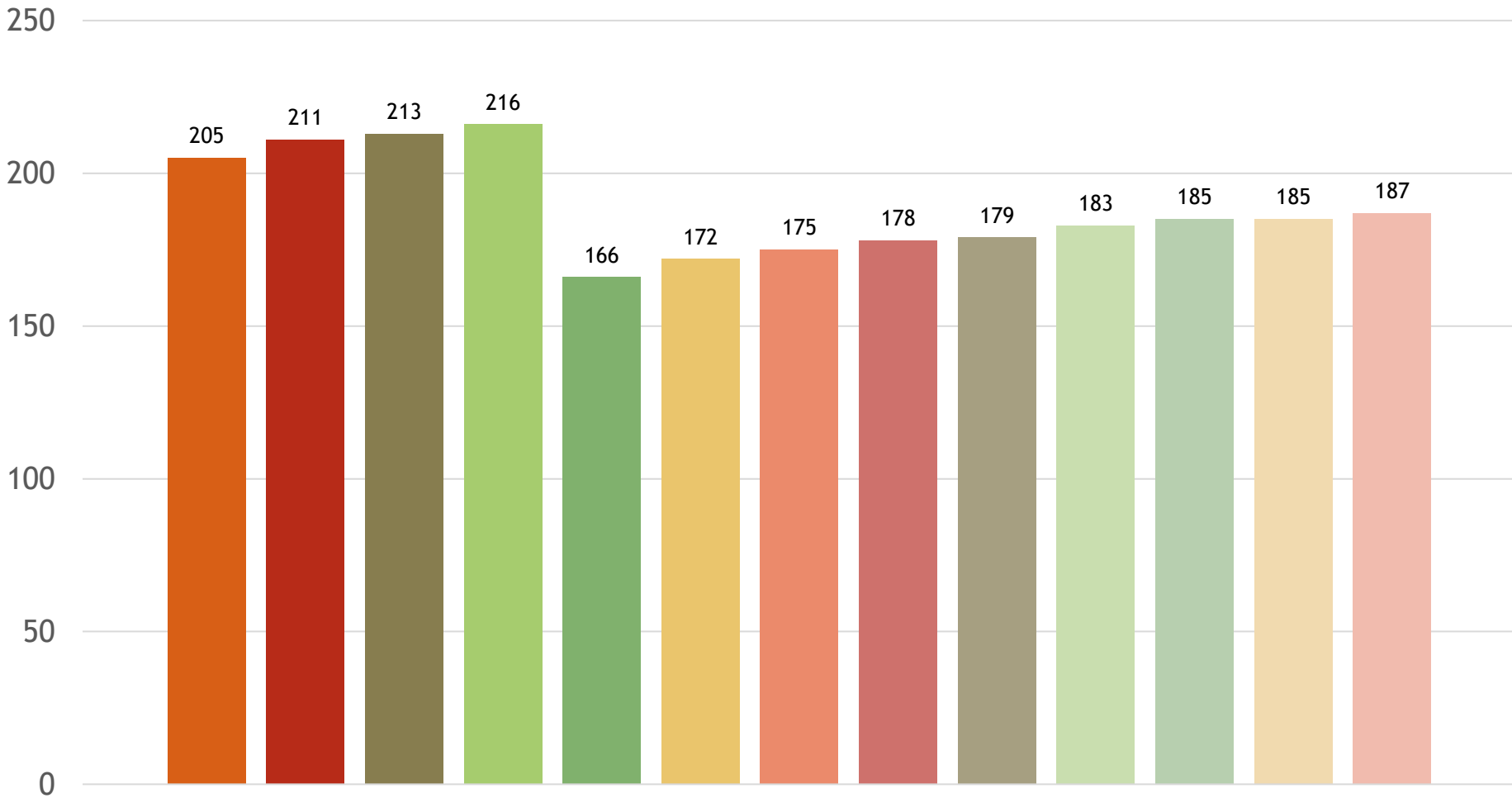
Advanced Practice Nurses Active Accounts



Physician Assistants and Dentists Active Accounts



Licensed Addiction Counselors Active Accounts



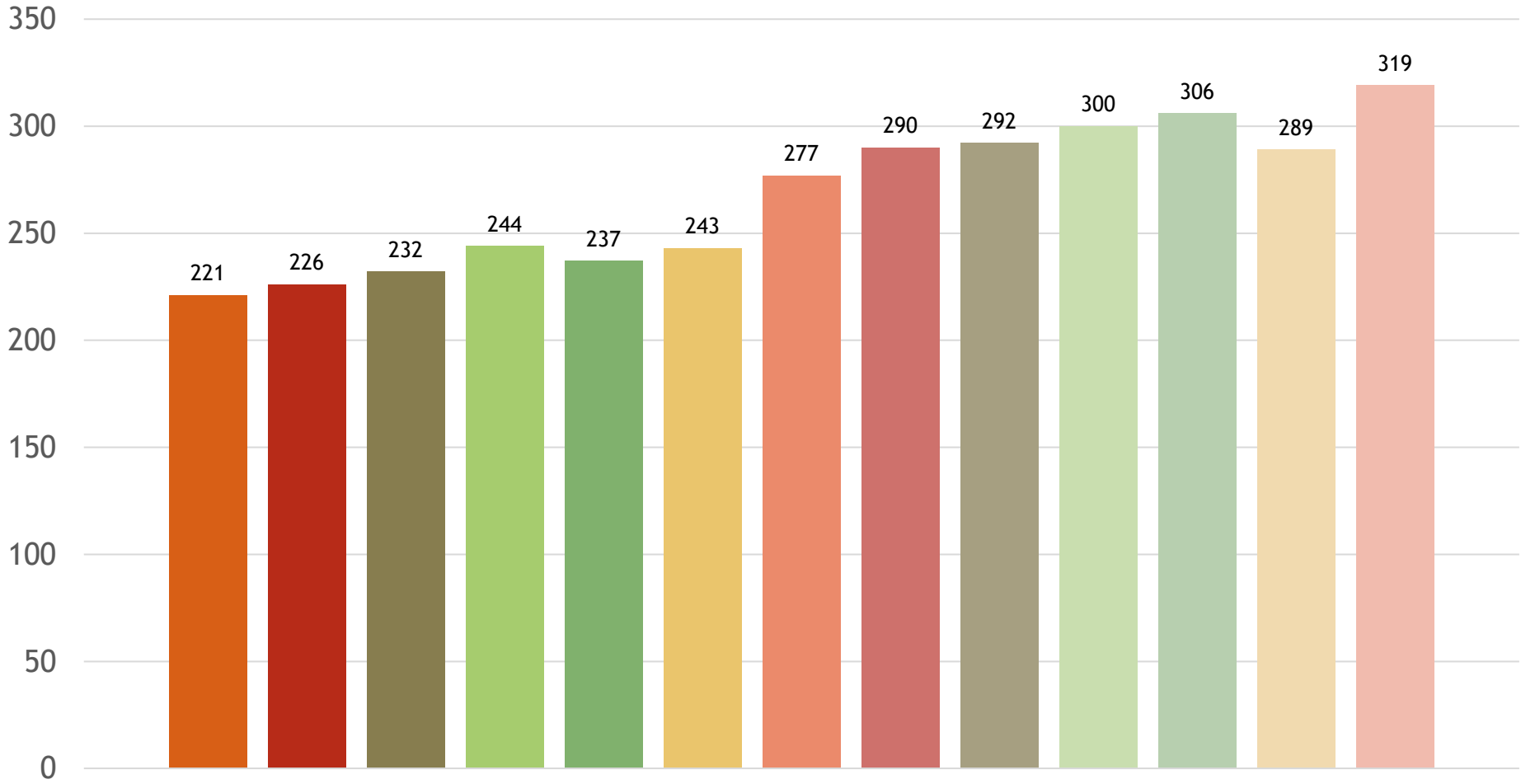
LAC

- 2018 Q2
- 2018 Q3
- 2018 Q4
- 2019 Q1
- 2019 Q2
- 2019 Q3
- 2019 Q4
- 2020 Q1
- 2020 Q2
- 2020 Q3
- 2020 Q4
- 2021 Q1
- 2021 Q2

*Switched to active accounts in 2019 Q2



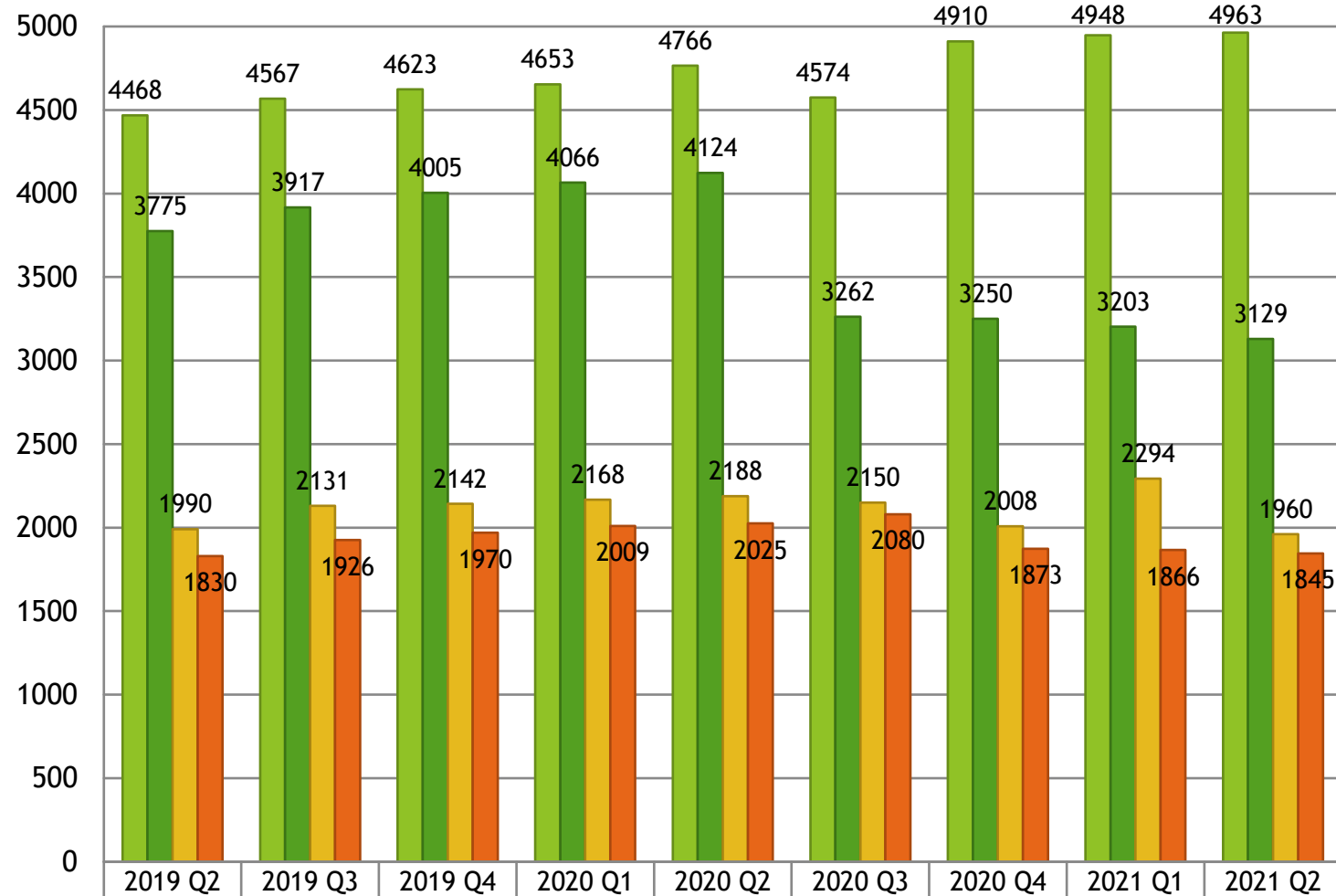
Law Enforcement Active Accounts



Law Enforcement

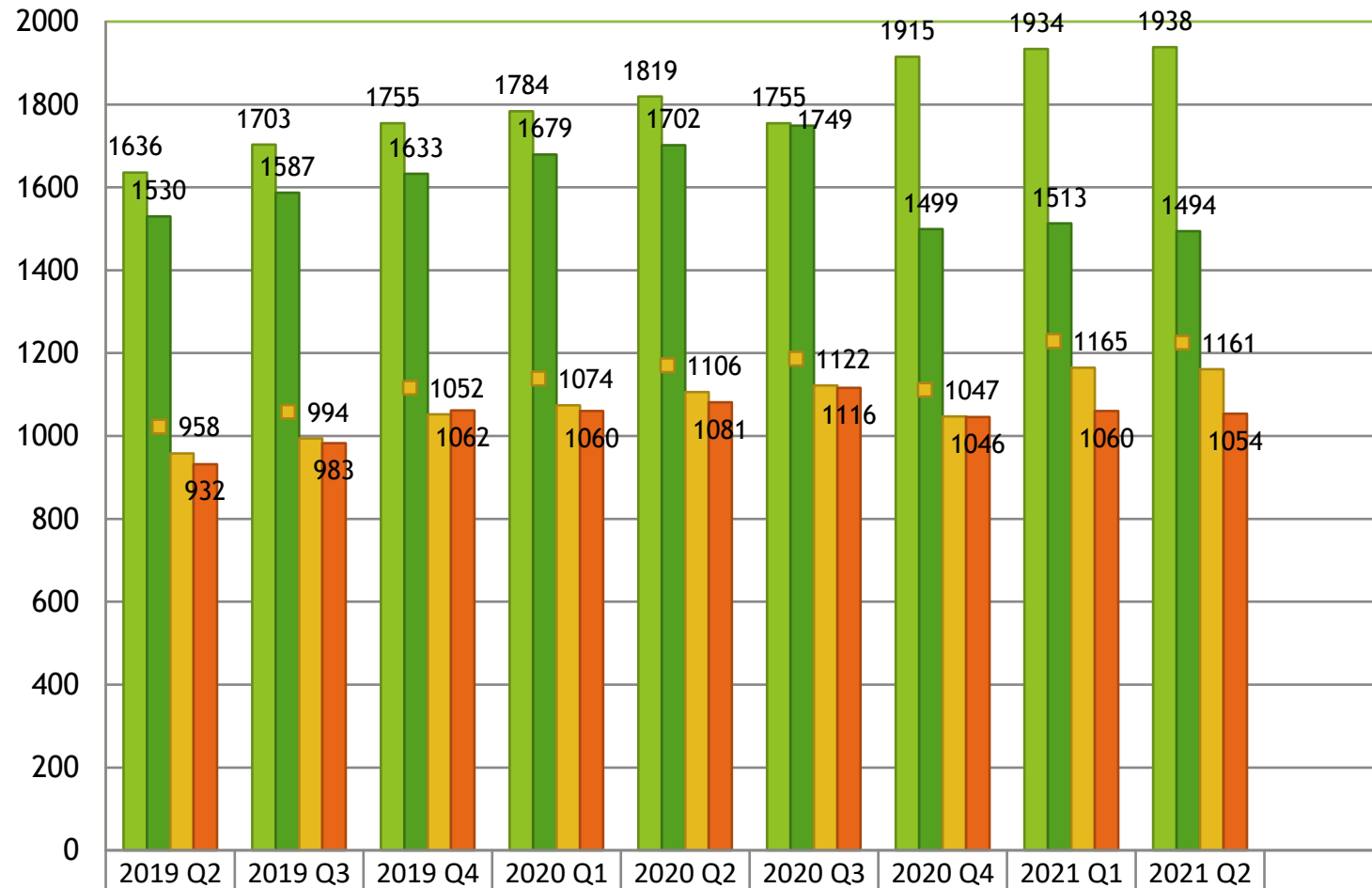
- 2018 Q2
- 2018 Q3
- 2018 Q4
- 2019 Q1
- 2019 Q2
- 2019 Q3
- 2019 Q4
- 2020 Q1
- 2020 Q2
- 2020 Q3
- 2020 Q4
- 2021 Q1
- 2021 Q2

Doctors - Authorization vs. Utilization



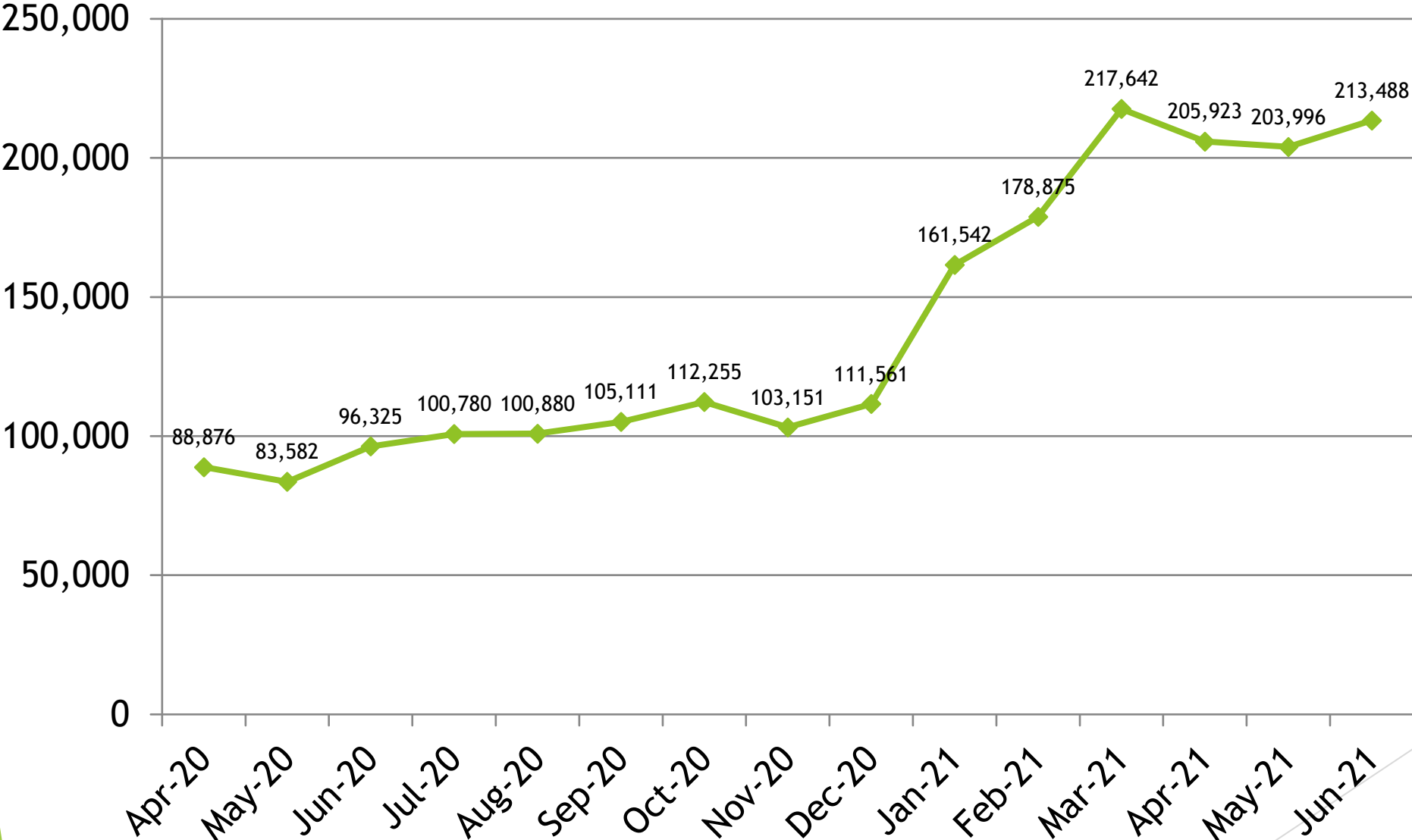
| | | | | | | | | | |
|--------------------------------------------------------------------------------------------|------|------|------|------|------|------|------|------|------|
| ■ ND DEA Registered Doctors | 4468 | 4567 | 4623 | 4653 | 4766 | 4574 | 4910 | 4948 | 4963 |
| ■ ND Doctors who authorized prescriptions | 3775 | 3917 | 4005 | 4066 | 4124 | 3262 | 3250 | 3203 | 3129 |
| ■ ND Doctors also registered with ND PDMP | 1990 | 2131 | 2142 | 2168 | 2188 | 2150 | 2008 | 2294 | 1960 |
| ■ ND Doctor/their appointed delegate who accessed the system on their behalf (counts as 1) | 1830 | 1926 | 1970 | 2009 | 2025 | 2080 | 1873 | 1866 | 1845 |

Other Practitioners - Authorization vs. Utilization

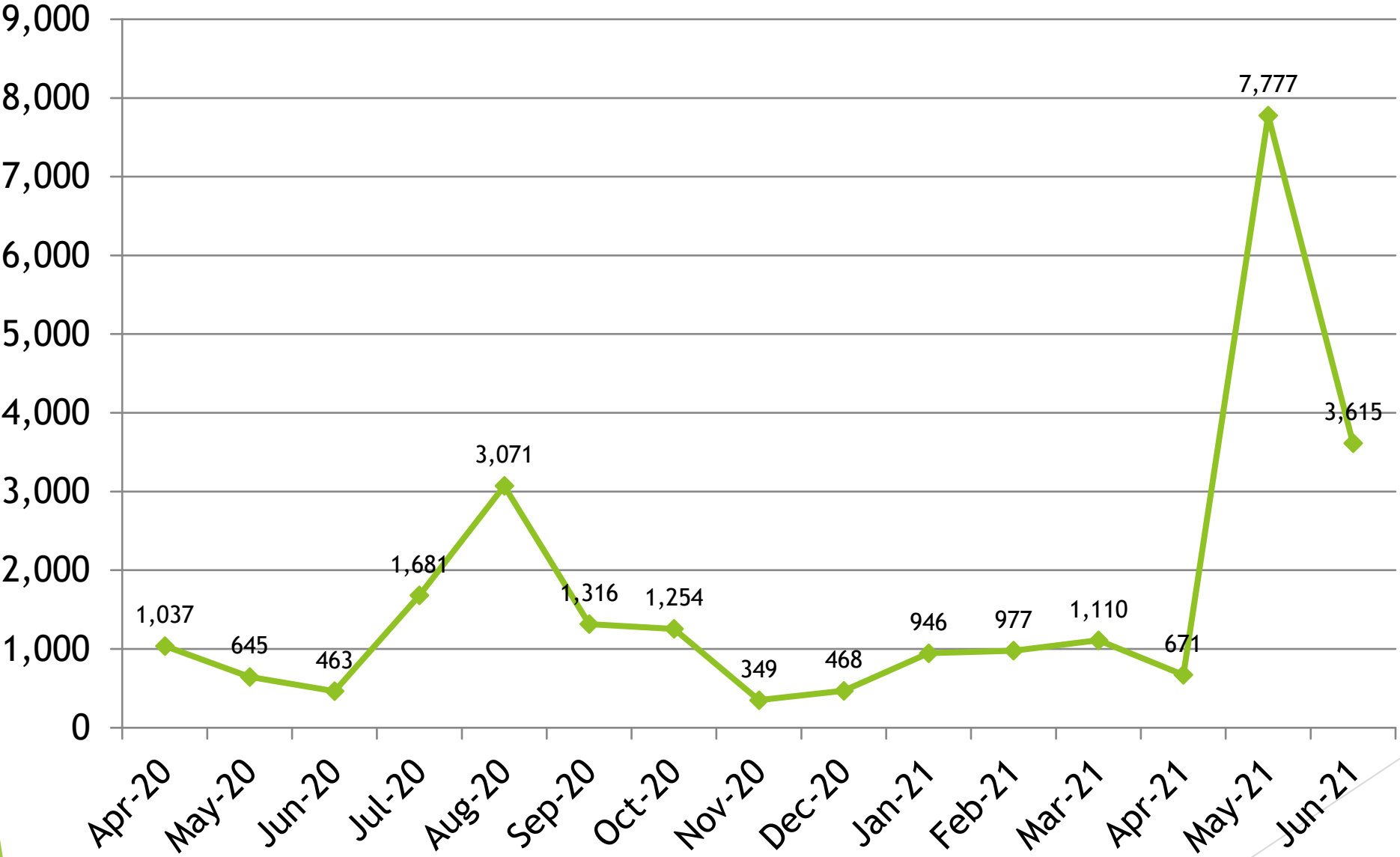


| | | | | | | | | | |
|------------------------------------------------------------------------------------------------|------|------|------|------|------|------|------|------|------|
| ND DEA Registered Other Practitioners | 1636 | 1703 | 1755 | 1784 | 1819 | 1755 | 1915 | 1934 | 1938 |
| ND Authorized Prescriptions | 1530 | 1587 | 1633 | 1679 | 1702 | 1749 | 1499 | 1513 | 1494 |
| ND Registered with ND PDMP | 958 | 994 | 1052 | 1074 | 1106 | 1122 | 1047 | 1165 | 1161 |
| ND Practitioner/their Appointed Delegate who Accessed the System on their behalf (counts as 1) | 932 | 983 | 1062 | 1060 | 1081 | 1116 | 1046 | 1060 | 1054 |

ND Gateway Monthly Requests



ND Health Information Network Requests

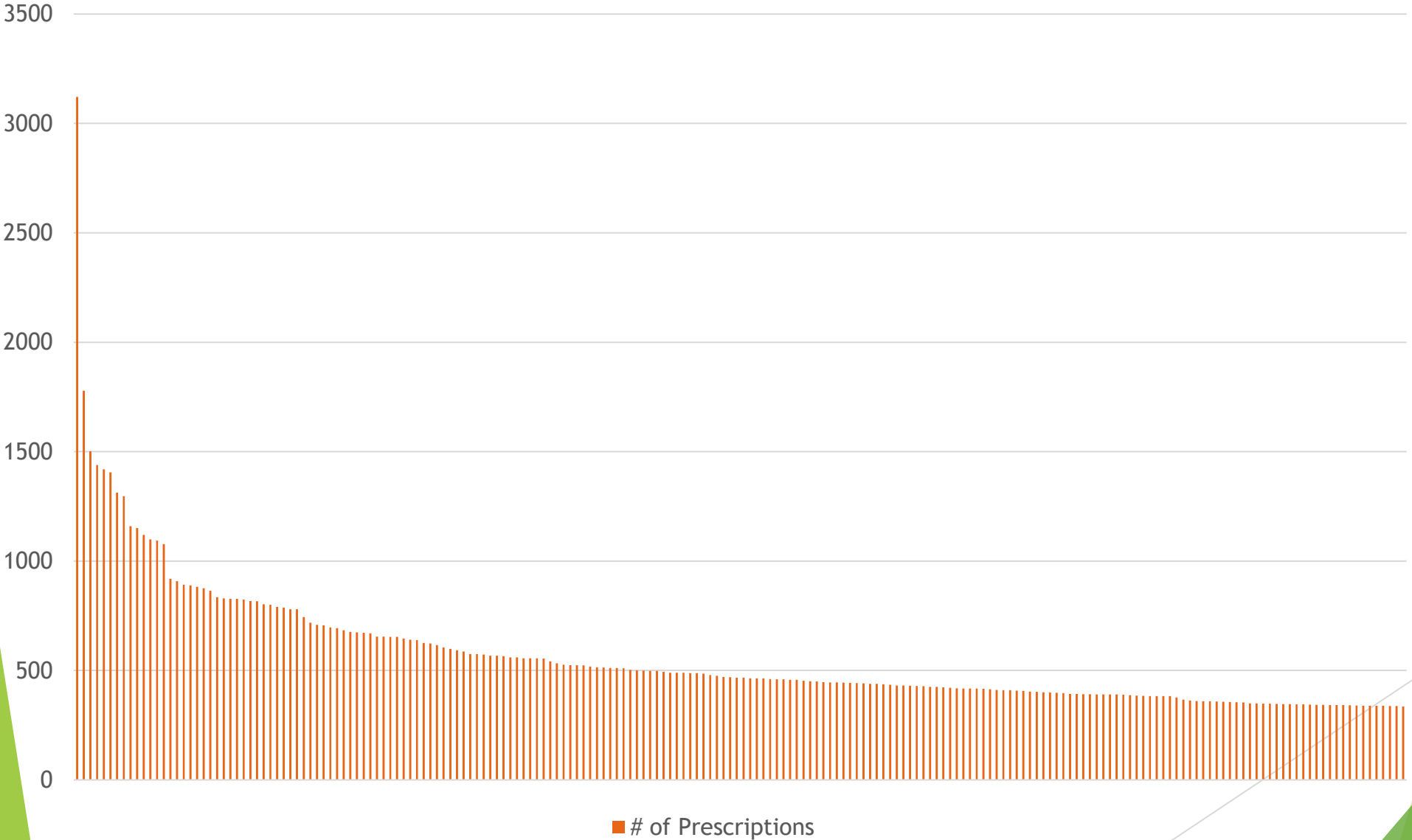


Prescriptions Dispensed by Class

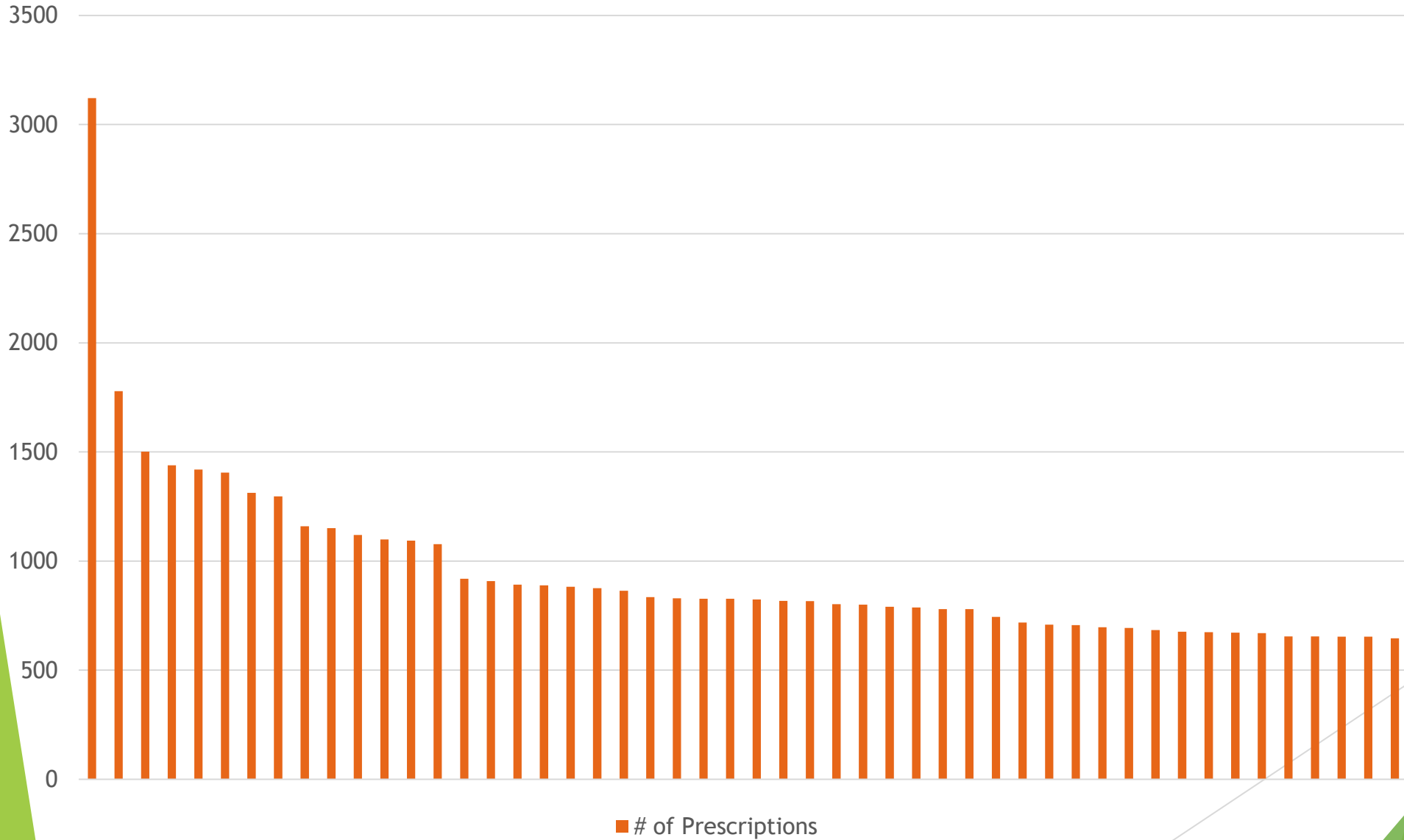
| | 2018 Q2 | 2018 Q3 | 2018 Q4 | 2019 Q1 | 2019 Q2 | 2019 Q3 | 2019 Q4 | 2020 Q1 | 2020 Q2 | 2020 Q3 | 2020 Q4 | 2021 Q1 | 2021 Q2 |
|----------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Anesthetic | 292 | 483 | 655 | 511 | 558 | 525 | 528 | 399 | 377 | 375 | 408 | 356 | 351 |
| Cannabinoid | 175 | 467 | 210 | 206 | 195 | 167 | 167 | 210 | 150 | 160 | 144 | 129 | 171 |
| GI Narcotic | 810 | 818 | 785 | 749 | 762 | 776 | 780 | 811 | 748 | 799 | 805 | 474 | 473 |
| Narcotic/ Opioids | 130,846 | 126,333 | 132,829 | 126,071 | 120,582 | 121,118 | 121,586 | 122,044 | 103,889 | 114,258 | 114,039 | 108,591 | 113,094 |
| Other | 47,057 | 47,304 | 48,517 | 45,894 | 46,193 | 47,538 | 47,801 | 46,489 | 44,706 | 46,866 | 47,607 | 45,555 | 47,138 |
| Sedative | 100,779 | 100,385 | 101,689 | 95,393 | 95,053 | 96,786 | 97,130 | 95,345 | 89,807 | 92,203 | 93,173 | 89,719 | 89,719 |
| Steroid | 2,647 | 2,757 | 2,822 | 2,528 | 2,520 | 2,736 | 2,762 | 2,749 | 2,690 | 2,700 | 2,835 | 2,829 | 2,969 |
| Stimulant | 53,720 | 52,344 | 56,553 | 54,979 | 53,420 | 54,666 | 54,853 | 58,481 | 52,224 | 54,333 | 57,611 | 59,052 | 60,717 |
| Blank | 58 | 74 | 109 | 94 | 133 | 150 | 153 | 151 | 119 | 213 | 155 | 140 | 147 |
| Total | 337,510 | 330,680 | 344,169 | 326,435 | 319,416 | 324,462 | 325,760 | 326,679 | 294,730 | 311,907 | 316,777 | 306,845 | 314,306 |

* The required reporting of gabapentin (August 2017) containing dispensations can account for the large increase in the 'Other' category. This drug was categorized to Other in Qtr. 3, 2017.

Top 200 Prescribers by Number of Prescriptions 2021 Quarter 2



Top 50 Prescribers by Number of Prescriptions 2021 Quarter 2



Reportable Prescriptions per Patient County

Quarter 2 - 2021

| County Name | Population | Population Rank | Prescription Count | Prescription Per Person | Total Dosage Units | Units per person |
|---------------|------------|-----------------|--------------------|-------------------------|--------------------|------------------|
| Adams | 2,216 | 44 | 611 | 0.276 | 39,229 | 17.70 |
| Barnes | 10,415 | 15 | 3,143 | 0.302 | 180,428 | 17.32 |
| Benson | 6,832 | 19 | 1,712 | 0.251 | 91,725 | 13.43 |
| Billings | 928 | 52 | 60 | 0.065 | 2,768 | 2.98 |
| Bottineau | 6,282 | 21 | 1,370 | 0.218 | 73,862 | 11.76 |
| Bowman | 3,024 | 34 | 611 | 0.202 | 32,886 | 10.87 |
| Burke | 2,115 | 46 | 497 | 0.235 | 31,194 | 14.75 |
| Burleigh | 95,626 | 2 | 22,997 | 0.240 | 1,286,802 | 13.46 |
| Cass | 181,923 | 1 | 42,496 | 0.234 | 2,242,141 | 12.32 |
| Cavalier | 3,762 | 31 | 1,032 | 0.274 | 59,224 | 15.74 |
| Dickey | 4,872 | 24 | 1,275 | 0.262 | 75,632 | 15.52 |
| Divide | 2,264 | 42 | 466 | 0.206 | 31,899 | 14.09 |
| Dunn | 4,424 | 25 | 865 | 0.196 | 50,191 | 11.35 |
| Eddy | 2,287 | 40 | 615 | 0.269 | 42,196 | 18.45 |
| Emmons | 3,241 | 32 | 679 | 0.210 | 36,908 | 11.39 |
| Foster | 3,210 | 33 | 935 | 0.291 | 52,856 | 16.47 |
| Golden Valley | 1,761 | 50 | 463 | 0.263 | 26,279 | 14.92 |
| Grand Forks | 69,451 | 3 | 17,618 | 0.254 | 960,241 | 13.83 |

Reportable Prescriptions per Patient County

Quarter 2 - 2021

| County Name | Population | Population Rank | Prescription Count | Prescription Per Person | Total Dosage Units | Units per person |
|-------------|------------|-----------------|--------------------|-------------------------|--------------------|------------------|
| Grant | 2,274 | 41 | 657 | 0.289 | 36,927 | 16.24 |
| Griggs | 2,231 | 43 | 516 | 0.231 | 27,746 | 12.44 |
| Hettinger | 2,499 | 36 | 601 | 0.240 | 36,222 | 14.49 |
| Kidder | 2,480 | 38 | 584 | 0.235 | 35,084 | 14.15 |
| LaMoure | 4,046 | 27 | 877 | 0.217 | 50,080 | 12.38 |
| Logan | 1,850 | 49 | 258 | 0.139 | 16,108 | 8.71 |
| McHenry | 5,745 | 22 | 1,420 | 0.247 | 88,247 | 15.36 |
| McIntosh | 2,497 | 37 | 620 | 0.248 | 36,926 | 14.79 |
| McKenzie | 15,024 | 10 | 2,507 | 0.167 | 135,484 | 9.02 |
| McLean | 9,450 | 16 | 2,796 | 0.296 | 169,392 | 17.93 |
| Mercer | 8,187 | 17 | 1,908 | 0.233 | 111,508 | 13.62 |
| Morton | 31,364 | 7 | 8,503 | 0.271 | 491,433 | 15.67 |
| Mountrail | 10,545 | 14 | 2,642 | 0.251 | 147,950 | 14.03 |
| Nelson | 2,879 | 35 | 892 | 0.310 | 46,869 | 16.28 |
| Oliver | 1,959 | 47 | 279 | 0.142 | 17,796 | 9.08 |
| Pembina | 6,801 | 20 | 2,093 | 0.308 | 129,099 | 18.98 |
| Pierce | 3,975 | 28 | 1,083 | 0.272 | 62,480 | 15.72 |
| Ramsey | 11,519 | 12 | 3,587 | 0.311 | 188,376 | 16.35 |

Reportable Prescriptions per Patient County

Quarter 2 - 2021

| County Name | Population | Population Rank | Prescription Count | Prescription Per Person | Total Dosage Units | Units per person |
|--------------------|----------------|-----------------|--------------------|-------------------------|--------------------|------------------|
| Ransom | 5,218 | 23 | 1,679 | 0.322 | 94,769 | 18.16 |
| Renville | 2,327 | 39 | 612 | 0.263 | 30,856 | 13.26 |
| Richland | 16,177 | 9 | 3,604 | 0.223 | 202,511 | 12.52 |
| Rolette | 14,176 | 11 | 4,588 | 0.324 | 242,524 | 17.11 |
| Sargent | 3,898 | 29 | 991 | 0.254 | 65,399 | 16.78 |
| Sheridan | 1,315 | 51 | 340 | 0.259 | 22,432 | 17.06 |
| Sioux | 4,230 | 26 | 896 | 0.212 | 52,141 | 12.33 |
| Slope | 750 | 53 | 40 | 0.053 | 2,933 | 3.91 |
| Stark | 31,489 | 6 | 8,265 | 0.262 | 455,984 | 14.48 |
| Steele | 1,890 | 48 | 324 | 0.171 | 20,590 | 10.89 |
| Stutsman | 20,704 | 8 | 5,656 | 0.273 | 325,848 | 15.74 |
| Towner | 2,189 | 45 | 576 | 0.263 | 35,838 | 16.37 |
| Traill | 8,036 | 18 | 2,070 | 0.258 | 131,348 | 16.34 |
| Walsh | 10,641 | 13 | 3,500 | 0.329 | 200,006 | 18.80 |
| Ward | 67,641 | 4 | 14,546 | 0.215 | 797,378 | 11.79 |
| Wells | 3,834 | 30 | 1,166 | 0.304 | 69,037 | 18.01 |
| Williams | 37,589 | 5 | 8,367 | 0.223 | 461,103 | 12.27 |
| Grand Total | 762,062 | N/A | 186,488 | 0.245 | 10,354,884 | 13.59 |

Opioid Prescriptions per Patient County

Quarter 2 - 2021

| County Name | Population | Population Rank | Prescription Count | Prescription Per Person | Total Dosage Units | Units per person |
|---------------|------------|-----------------|--------------------|-------------------------|--------------------|------------------|
| Adams | 2,216 | 44 | 229 | 0.103 | 13,719 | 6.19 |
| Barnes | 10,415 | 15 | 1,004 | 0.096 | 47,739 | 4.58 |
| Benson | 6,832 | 19 | 846 | 0.124 | 39,290 | 5.75 |
| Billings | 928 | 52 | 18 | 0.019 | 692 | 0.75 |
| Bottineau | 6,282 | 21 | 467 | 0.074 | 19,656 | 3.13 |
| Bowman | 3,024 | 34 | 222 | 0.073 | 12,013 | 3.97 |
| Burke | 2,115 | 46 | 187 | 0.088 | 11,353 | 5.37 |
| Burleigh | 95,626 | 2 | 8,217 | 0.086 | 409,069 | 4.28 |
| Cass | ##### | 1 | 11,405 | 0.063 | 442,471 | 2.43 |
| Cavalier | 3,762 | 31 | 377 | 0.100 | 19,040 | 5.06 |
| Dickey | 4,872 | 24 | 396 | 0.081 | 23,642 | 4.85 |
| Divide | 2,264 | 42 | 204 | 0.090 | 12,798 | 5.65 |
| Dunn | 4,424 | 25 | 394 | 0.089 | 23,135 | 5.23 |
| Eddy | 2,287 | 40 | 221 | 0.097 | 13,578 | 5.94 |
| Emmons | 3,241 | 32 | 317 | 0.098 | 14,291 | 4.41 |
| Foster | 3,210 | 33 | 338 | 0.105 | 18,601 | 5.79 |
| Golden Valley | 1,761 | 50 | 157 | 0.089 | 8,951 | 5.08 |
| Grand Forks | 69,451 | 3 | 5,798 | 0.083 | 272,554 | 3.92 |

Opioid Prescriptions per Patient County

Quarter 2 - 2021

| County Name | Population | Population Rank | Prescription Count | Prescription Per Person | Total Dosage Units | Units per person |
|-------------|------------|-----------------|--------------------|-------------------------|--------------------|------------------|
| Grant | 2,274 | 41 | 315 | 0.139 | 17,692 | 7.78 |
| Griggs | 2,231 | 43 | 157 | 0.070 | 6,490 | 2.91 |
| Hettinger | 2,499 | 36 | 245 | 0.098 | 14,201 | 5.68 |
| Kidder | 2,480 | 38 | 200 | 0.081 | 11,239 | 4.53 |
| LaMoure | 4,046 | 27 | 302 | 0.075 | 13,256 | 3.28 |
| Logan | 1,850 | 49 | 101 | 0.055 | 5,375 | 2.91 |
| McHenry | 5,745 | 22 | 514 | 0.089 | 26,704 | 4.65 |
| McIntosh | 2,497 | 37 | 209 | 0.084 | 10,282 | 4.12 |
| McKenzie | 15,024 | 10 | 810 | 0.054 | 42,914 | 2.86 |
| McLean | 9,450 | 16 | 1,113 | 0.118 | 61,659 | 6.52 |
| Mercer | 8,187 | 17 | 719 | 0.088 | 44,768 | 5.47 |
| Morton | 31,364 | 7 | 3,232 | 0.103 | 165,917 | 5.29 |
| Mountrail | 10,545 | 14 | 1,066 | 0.101 | 53,031 | 5.03 |
| Nelson | 2,879 | 35 | 341 | 0.118 | 15,628 | 5.43 |
| Oliver | 1,959 | 47 | 124 | 0.063 | 6,798 | 3.47 |
| Pembina | 6,801 | 20 | 678 | 0.100 | 38,640 | 5.68 |
| Pierce | 3,975 | 28 | 423 | 0.106 | 20,485 | 5.15 |
| Ramsey | 11,519 | 12 | 1,462 | 0.127 | 69,562 | 6.04 |

Opioid Prescriptions per Patient County

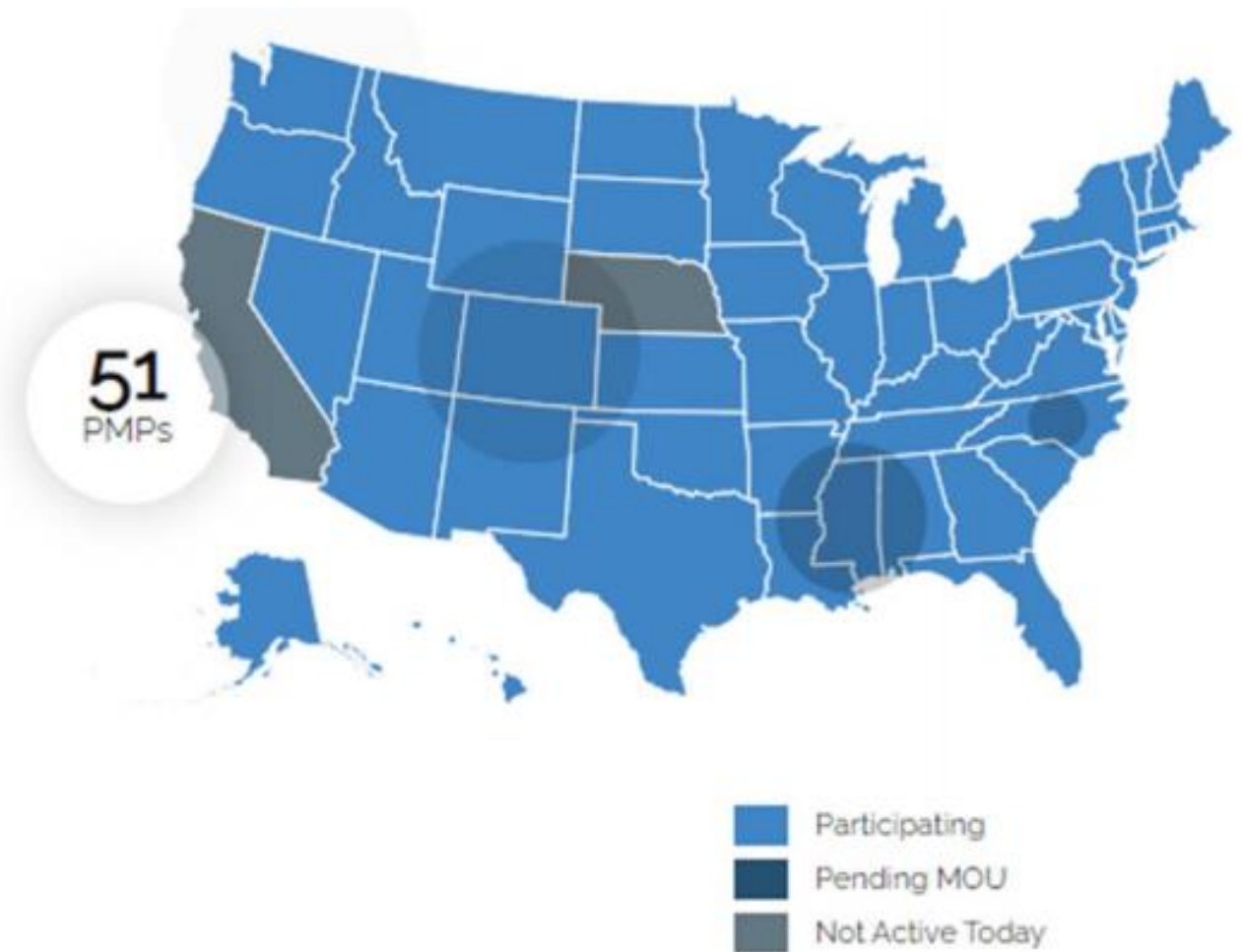
Quarter 2 - 2021

| County Name | Population | Population Rank | Prescription Count | Prescription Per Person | Total Dosage Units | Units per person |
|--------------------|--------------|-----------------|--------------------|-------------------------|--------------------|------------------|
| Ransom | 5,218 | 23 | 497 | 0.095 | 22,374 | 4.29 |
| Renville | 2,327 | 39 | 202 | 0.087 | 8,682 | 3.73 |
| Richland | 16,177 | 9 | 1,130 | 0.070 | 48,118 | 2.97 |
| Rolette | 14,176 | 11 | 1,654 | 0.117 | 87,432 | 6.17 |
| Sargent | 3,898 | 29 | 326 | 0.084 | 15,496 | 3.98 |
| Sheridan | 1,315 | 51 | 139 | 0.106 | 9,099 | 6.92 |
| Sioux | 4,230 | 26 | 456 | 0.108 | 24,989 | 5.91 |
| Slope | 750 | 53 | 10 | 0.013 | 1,112 | 1.48 |
| Stark | 31,489 | 6 | 3,120 | 0.099 | 158,348 | 5.03 |
| Steele | 1,890 | 48 | 96 | 0.051 | 4,356 | 2.30 |
| Stutsman | 20,704 | 8 | 1,915 | 0.092 | 87,253 | 4.21 |
| Towner | 2,189 | 45 | 217 | 0.099 | 13,122 | 5.99 |
| Trails | 8,036 | 18 | 539 | 0.067 | 31,180 | 3.88 |
| Walsh | 10,641 | 13 | 1,271 | 0.119 | 67,648 | 6.36 |
| Ward | 67,641 | 4 | 4,330 | 0.064 | 206,057 | 3.05 |
| Wells | 3,834 | 30 | 387 | 0.101 | 20,650 | 5.39 |
| Williams | 37,589 | 5 | 2,873 | 0.076 | 159,442 | 4.24 |
| Grand Total | ##### | N/A | 61,970 | 0.081 | 2,992,588 | 3.93 |

PMP Interconnect Interstate Data Sharing Transactions

► Many interoperable prescription monitoring programs (PMPs) are active today, giving healthcare practitioners access to data, analytics, tools, and resources from across state lines AND within the care team's workflow. Available in real-time and at the point-of-care, PMP data is improving patient safety and outcomes. Visit

<https://www.pmpinterconnect.com>
to learn more about PMP
Interconnect and PMP Gateway an
integration for clinical workflow.



PMP Gateway Connections

► PMP Gateway integrates PDMP data, analytics, insights and resources into electronic health records, health information exchanges, and pharmacy management system workflows, making it easy and efficient for healthcare providers and pharmacists to access patient information, in line with state laws, before prescribing/dispensing additional medication.

► Quick Facts: More than 866,000 prescribers and pharmacists at over 111,000 facilities in 43 PDMPs are using PMP Gateway service in almost 90 million patient encounters per month.

► Visit <https://pdmpworks.org> to learn more about PMP Interconnect and PMP Gateway.

North Dakota Gateway Facilities

445 active facilities in the last 18 months

