ST. LOUIS COUNTY
PRESCRIPTION DRUG
MONITORING PROGRAM

2018

ANNUAL REPORT

PRESCRIPTION DRUG MONITORING PROGRAM

Saint Louis
COUNTY
PUBLIC HEALTH

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Executive Summary

St. Louis County enacted legislation on March 1, 2016, to establish and authorize the operation of a Prescription Drug Monitoring Program (PDMP) by the Saint Louis County Department of Public Health (DPH). The St. Louis County PDMP is the first (and only) locally based PDMP in the country. DPH serves as the program administrator, and any Missouri jurisdiction may subscribe to the St. Louis County PDMP upon enacting authorizing legislation and signing a User Agreement with St. Louis County.

Chapter 602 of the St. Louis County Revised Ordinances (SLCRO) is known as the "St. Louis County Narcotics Control Act" or more commonly known as the PDMP ordinance.

The St. Louis County PDMP monitors the prescribing and dispensing of schedule II-IV controlled substances to assist in the identification and prevention of prescription drug misuse and abuse.

The program's goals are to 1) improve controlled substance prescribing by providing critical information regarding a patient's controlled substance prescription history, 2) inform clinical practice by identifying patients at high-risk who would benefit from early interventions, and 3) reduce the number of people who misuse, abuse, or overdose while making sure patients have access to safe, effective treatment.

The St. Louis County PDMP launched on April 25, 2017, with 14 jurisdictions participating in the initial implementation. As of March 31, 2019, 72 jurisdictions have enacted legislation to participate in the St. Louis County PDMP. Additional jurisdictions will continue to be added to the PDMP on a monthly basis. A list of all participating jurisdictions and links to enacted legislation can be found on the DPH PDMP website, www.stlouisco.com/PDMP.

Additional information on the PDMP can be found at www.stlouisco.com/PDMP or by contacting DPH at PDMP.DPH@stlouisco.com or 314-615-0522.

Data Highlights

PDMP Operations (as of 3/31/2019)

- 72 jurisdictions are participating in the St. Louis County PDMP; these jurisdictions cover 84% of the Missouri population and 94% of healthcare providers.
- The 14,600+ healthcare providers that have PDMP accounts represent 48% of Missouri's healthcare providers; this exceeds the national average for voluntary PDMP participation.[1] Current efforts are focused on increasing registration among prescribers.
- Healthcare providers are performing over 7,000 patient searches per day.

Controlled Substance Prescriptions (1/1/2018-12/31/2018)

- Approximately 1 in 4 residents (of participating jurisdictions) received a controlled substance prescription in 2018. Of those that received at least one controlled substance prescription, patients received an average of 6 controlled substance prescriptions in 2018.
- Pharmacies in participating jurisdictions dispensed an average of 20,618 controlled substance prescriptions per day.
- The payment method associated with controlled substance dispensations generally matched the proportion of patients covered by each insurance type. A notable exception is Medicaid, which covered fewer prescriptions than would be expected (10%) compared to the percent of Missourians with Medicaid coverage (15%).[2]
- Only 0.8% of the population (34,766 patients) generated the 'Multiple Provider Alert' in the PDMP in 2018 (3+ prescribers & 3+ pharmacies within 6 months).
- Of all schedule II-IV controlled substances, opioids were the most frequently prescribed drug type and represent approximately 44% of controlled substance prescriptions. Hydrocodone, oxycodone, and tramadol are the most frequently prescribed opioids (83% of opioid prescriptions).
- The opioid dispensation rate of the total system was 696.0 prescriptions per 1,000 population – enough opioid prescriptions for 70% of residents to have received an opioid prescription in 2018. This is higher than the national opioid dispensation rate (587.0 opioid prescriptions per 1,000 population).[3]
- The average length of an opioid prescription is 17.3 days. More than half (54.5%) of opioid prescriptions were written to last more than 14 days.
- Generally, females receive higher rates of controlled substances than males. Males under 25 receive significantly more stimulants than females; there were enough stimulant prescriptions filled for more than 48% of males <18 years old to have received a stimulant prescription in 2018.
- Females 55+ received the highest rates of benzodiazepines – enough for almost one benzodiazepine prescription per female aged 55+. Alprazolam (Xanax®), clonazepam (Klonopin®), and lorazepam (Ativan®) were the three most frequently prescribed benzodiazepines.

Methods & Definitions

This report includes controlled substance dispensations from January 1-December 31, 2018.

Definitions

Controlled substances are regulated by the Drug Enforcement Administration (DEA) under the Controlled Substances Act (CSA). Substances can be re-scheduled as the evidence base changes; Title 21 Code of Federal Regulations (C.F.R.) §§ 1308.11 through 1308.15 contains substances by current drug schedule.

In addition to federal drug schedules, states can up-schedule substances; for example, states can make a substance a schedule IV that is a schedule V federally. In Missouri, a cough syrup with codeine is a schedule IV controlled substance; cough syrup with codeine is a schedule V federally.

The St. Louis County PDMP monitors schedule II-IV controlled substance dispensations as scheduled at both the state and federal level. While cough syrup with codeine is a schedule V controlled substance federally, it is included in the St. Louis County PDMP as it is a schedule IV in Missouri.

Controlled substances are divided into 5 schedules by medical use/benefit, abuse potential, and likelihood to cause dependence. General overview of the federal schedule categories and substances are below.

- Schedule I controlled substances have no accepted medical use, high potential for abuse, and no acceptable safe-use threshold. Examples of schedule I substances include cocaine, heroin, LSD (lysergic acid diethylamide), and ecstasy (3,4-methylenedioxymethampetamine).
- Schedule II controlled substances have a high abuse or dependence potential. Morphine, OxyContin®, Demerol®, Adderall®, Ritalin®, and hydrocodone are examples of schedule II controlled substances.
- Schedule III controlled substances have a moderate potential for abuse or dependence and include Depo®-Testosterone (anabolic steroid), buprenorphine, and Tylenol with Codeine®.
- Schedule IV controlled substances have a low potential of abuse or dependence and include many benzodiazepines (Klonopin®, Valium®, Ativan®, Versed®), tramadol, and Soma®.
- Schedule V controlled substances have a low potential for abuse or dependence and primarily contain limited quantities of opioids (narcotics); cough syrup with codeine (Robitussin AC®) is common schedule V controlled substance federally (but is a schedule IV in Missouri).

'Prescription' and 'dispensation' are used interchangeably throughout this report. 'Controlled substances' means schedule II-IV controlled substances. Controlled substances fall into 6 broad drug categories: benzodiazepines, muscle relaxants, opioids, stimulants, zolpidem, and unclassified. Each category of controlled substances has a separate section in this report with **important findings** emphasized.

When writing any prescription, prescribers must determine how many days the medication should last the patient; some medications last longer if only prescribed to be taken 'as needed.' The anticipated number of days a prescription will last a patient is the 'prescription length,' also known as the days supply.

Dispensation Rates

As the PDMP launched in April 2017 and additional jurisdictions continue to join, projected annual rates (per 1,000 population with 95% confidence interval) were based on at least three months of collected data and 2010 census population. Suppressed rates indicate too few dispensations to report; counts less 6 were suppressed per DPH policy. The total or overall rate means the rate of all jurisdictions participating in PDMP implementation cycles 1-15. When examining rates by gender, total rates include dispensations to those with a gender of male, female, and unknown. Rates for those with an unknown gender are not separately displayed but are included in the total rates. As this report contains projected annual rates, the findings are not necessarily indicative of average prescribing practices across participating jurisdictions.

In each section, there is a map comparing each jurisdiction to the overall dispensation rate. Jurisdictions were categorized as either higher, lower, or not different than the overall dispensation rate based on statistical significance at $\alpha = .05$.

Jurisdictions Included

This report contains dispensation information submitted by pharmacies in any of the 64 participating jurisdictions to residents of those jurisdictions. For a jurisdiction to be included in any PDMP report, a full quarter of data is required. To participate in the PDMP, a jurisdiction must enact local legislation; legislation requires pharmacies submit information on schedule II-IV controlled substance prescriptions to the PDMP. Inclusion in this report is based on both pharmacy and patient location. Pharmacy location determines if dispensation data is to be submitted to the PDMP. For PDMP reports, jurisdiction-specific rates are based on patient residence. Figure 1 represents the jurisdictions included in this report. There are 3 scenarios below to better describe the data included in this report.

- A prescription filled at a St. Louis County pharmacy for a St. Charles County resident would be reflected in the St. Charles County rates.
- A prescription filled at a Ripley County pharmacy for a St. Louis County resident would not be included in this report as Ripley County was not participating in the PDMP in 2018.
- A prescription filled at a St. Louis County pharmacy for a Ripley County resident would not be included in this report as Ripley County was not participating in the PDMP in 2018.

Pharmacy compliance is an ongoing focus, and while over 90% of pharmacies are appropriately submitting data, not all pharmacies were submitting data at the time of this report. DPH continues to work with pharmacies on data submission and increasing pharmacy compliance.

Appendix A contains data tables associated with the figures.

Some jurisdictions are combined for the purpose of this report. Boone County represents City of Columbia and Boone County; Cole County represents Jefferson City and Cole County; Greene County represents City of Springfield and Greene County (excluding City of Republic); Osage County represents City of Linn and Osage County; and Vernon County represents City of Nevada and Vernon County.

City of Joplin spans 2 counties (Jasper & Newton). As a result, Joplin is represented independently as 'City of Joplin' as well as included in Jasper & Newton County rates. Residents that live in Joplin in Jasper County are included in both Jasper County and City of Joplin rates; residents that live in Joplin in Newton County are included in both Newton County and City of Joplin rates.

While Mississippi County enacted PDMP legislation, all Mississippi County pharmacies are within incorporated areas of the county. As enacted PDMP legislation does not apply to incorporated areas of the county, dispensations from Mississippi County were not included in PDMP reporting.

PDMP Participation

Figure 1 represents the jurisdictions included in this report. These 64 jurisdictions were part of the first 15 implementation cycles and cover 81% of the Missouri population and 92% of healthcare providers. Dispensations are reported to the PDMP from pharmacies located in participating jurisdictions, and rates are based on patient residence.

Figure 1. PDMP participation map for implementation cycles 1-15 (as of 10/1/2018).

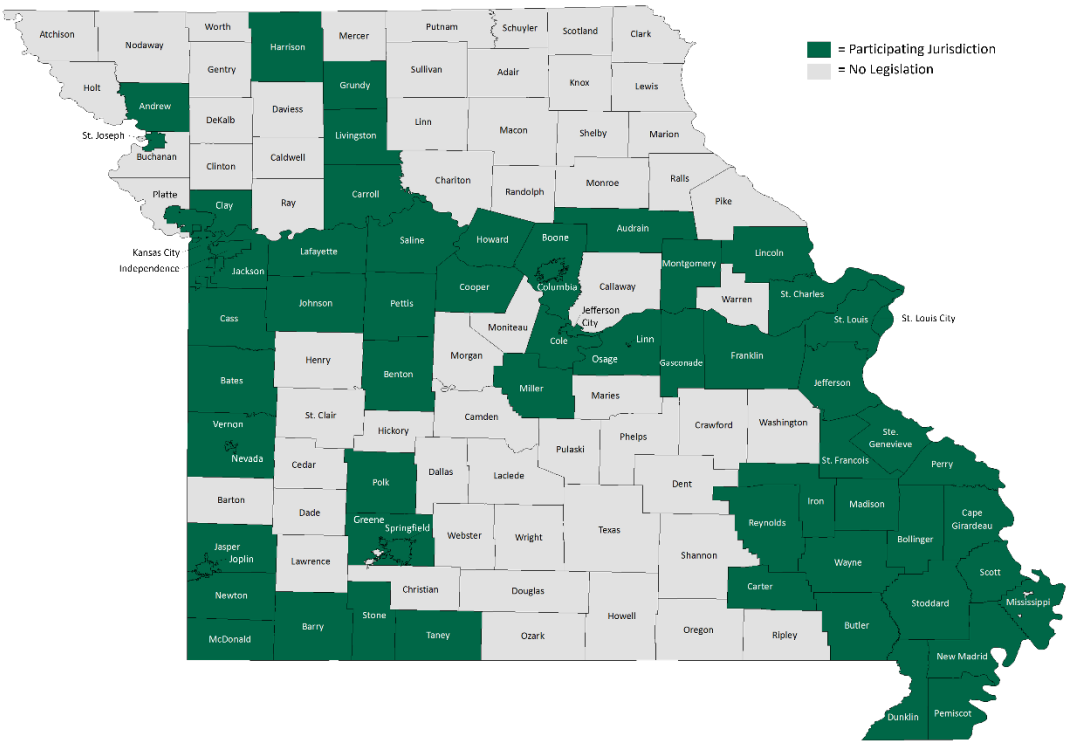
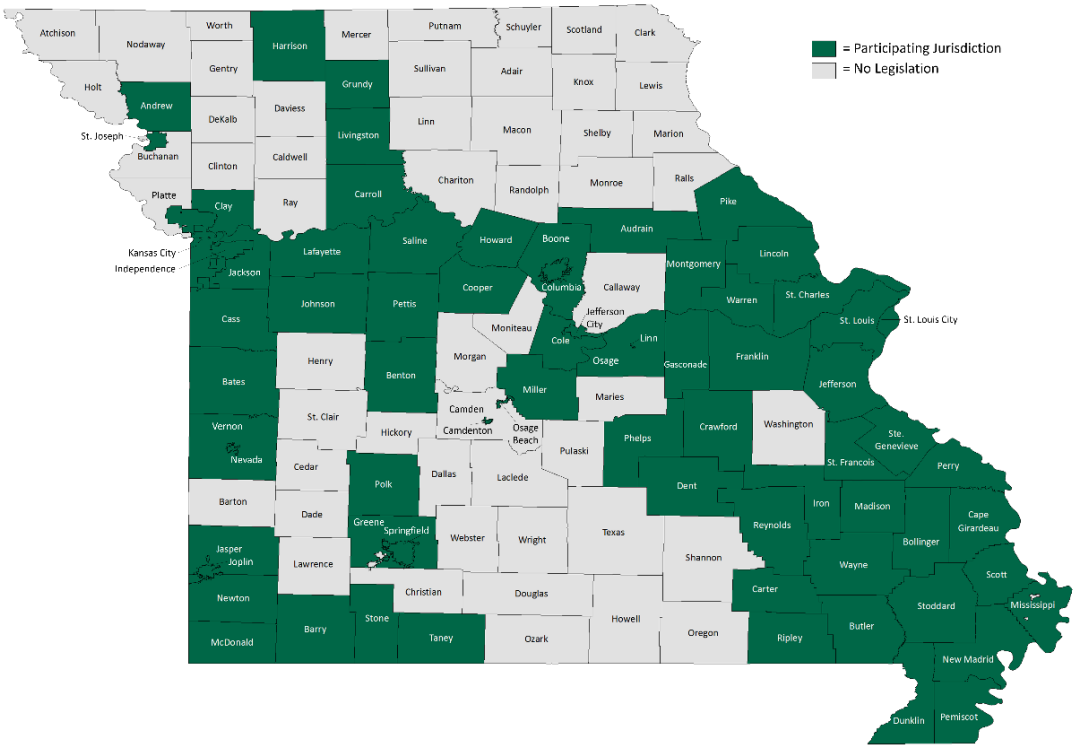


Figure 2 represents the PDMP participation status as of March 31, 2019. 72 jurisdictions are currently participating in the PDMP and cover 84% of the Missouri population and 94% of healthcare providers.

Figure 2. PDMP current participation map (as of 03/31/2019).



PDMP Registration & System Utilization

Section 602.806 SLCRO details persons authorized to be provided dispensation information or authorized users. Authorized users are divided into three categories with varying levels of access to the PDMP and to PDMP data.

1) Authorized users with direct, full access to the PDMP.
   a. Healthcare providers accessing the PDMP for the purpose of providing medical or pharmaceutical care have direct, full access to the PDMP. Doctors, dentists, and pharmacists have the ability to supervise and delegate access to the PDMP but maintain all liability. Examples of delegate users include nurses, pharmacy technicians, and medical residents.
2) Authorized users with restricted or limited access to the PDMP.
   a. These authorized users register in the PDMP and can submit search requests, but their requests require DPH approval and verification of additional ordinance-required documentation before authorized users are provided with any PDMP data. Authorized users with restricted PDMP access include state regulatory boards, law enforcement or prosecutorial officials, MO HealthNet, and judges or judicial officers.
3) Authorized users with ability to request PDMP data but do not directly access the PDMP.
   a. Persons may request their own dispensation information in accordance with law. These requests are submitted directly to DPH and returned to the requestor.

Each user must register individually in the PDMP. Registration requires users provide personal and employer information along with validation documentation. Validation documentation is required for all users and varies by user type. Healthcare providers must provide a copy of their current professional license. DPH validates registration information prior to approving access to the PDMP.

User registration for the PDMP opened on April 4, 2017. **As of March 31, 2019, there are over 14,650 approved users within the PDMP.** Figure 3 represents approved user counts for the total PDMP by quarter as well as the average number of patient searches performed per day by PDMP users. Figure 4 represents approved user counts by user role; Tables 1 and 2 contain registration and utilization data.

The number of approved users nearly doubled from Q1 2018 to Q2. During Q2 2018, St. Louis County PDMP offered the opportunity for health systems, hospitals, medical groups, or healthcare practices to bulk enroll their healthcare providers in the PDMP (mass provider registration). Over 5,500 providers were registered through the mass provider registration process in Q2 2018. Starting in 2019, mass provider registration will be regularly offered in Q1 and Q3.

PDMP utilization has increased as both the number of approved users and participating jurisdictions have increased. In Q2 2017, PDMP users were performing an average of 1,013 patient searches per day**. In Q1 2019, over 7,000 patient searches were performed by approved users each day;** this is a 600% increase in PDMP utilization in 2 years. Increasing PDMP utilization will continue to be a focus for DPH in 2019.

Healthcare providers ended 2018 performing over 6,000 patient searches per day, and pharmacies dispensed an average of 20,618 prescriptions daily. This means **about 29% of patient prescription histories were reviewed compared to prescriptions written in 2018.** It is recommended that providers use the PDMP as often as possible but is understood that is not always feasible. For prescribers, the PDMP is increasingly important when seeing a new patient, modifying the treatment plan (prescribing a new medication or changing dosage), and continuing a prescription. For pharmacists, it is recommended the PDMP is reviewed before filling each controlled substance prescription as pharmacists regularly see new patients and do not have a patient's complete medical history.

Prescribers (physicians, dentists, optometrists, and podiatrists) represent 62% of users, and pharmacists represent approximately 26%. Delegates comprise 13% of users and include medical residents, pharmacy technicians, nurses, etc.

The 14,600+ healthcare providers that have PDMP accounts represent 48% of Missouri's healthcare providers; this exceeds the national average for voluntary PDMP participation.[1] In states with voluntary PDMPs (where registration and usage of the PDMP is not required by law), the median participation of PDMPs is 35%. Increasing registration and utilization of the PDMP will continue to be a focus for DPH in 2019.

Figure 3. PDMP registration and utilization by quarter.

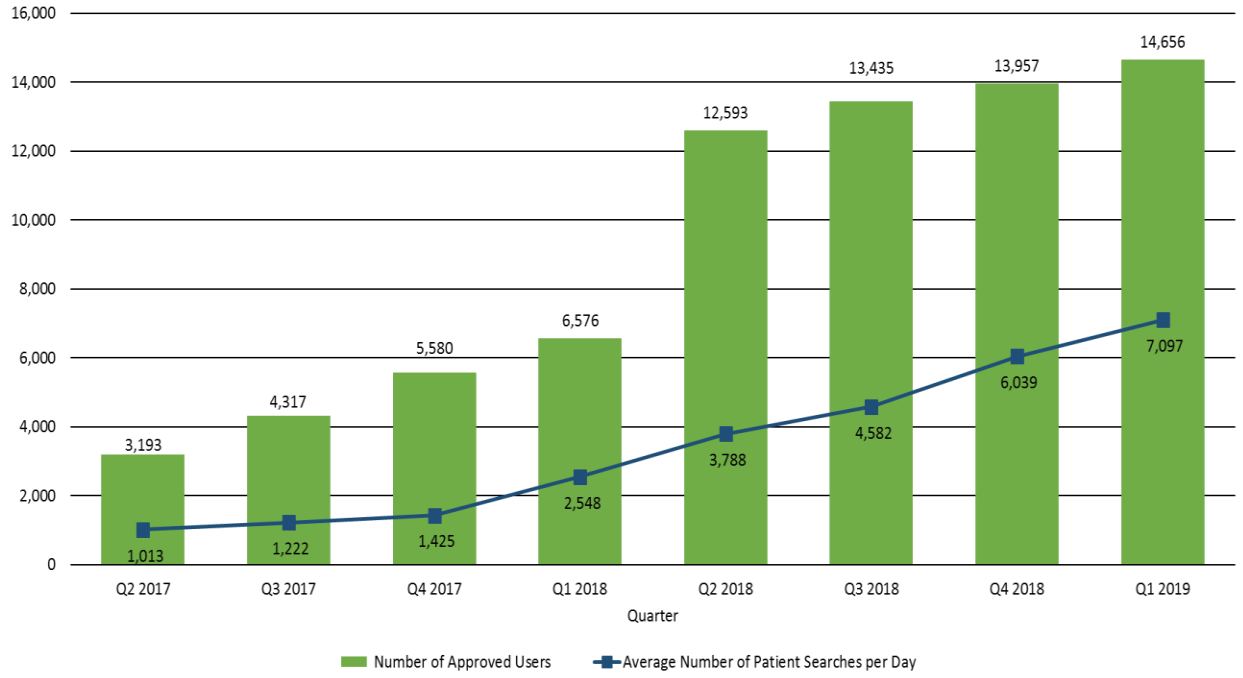
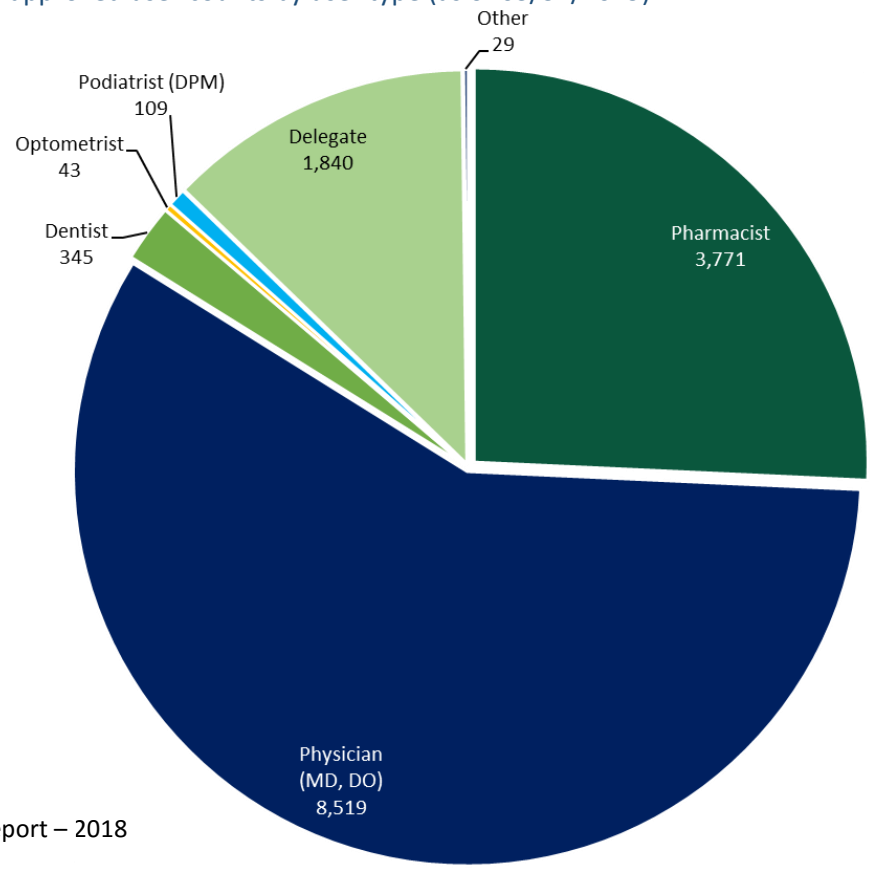


Figure 4. PDMP approved user counts by user type (as of 03/31/2019).



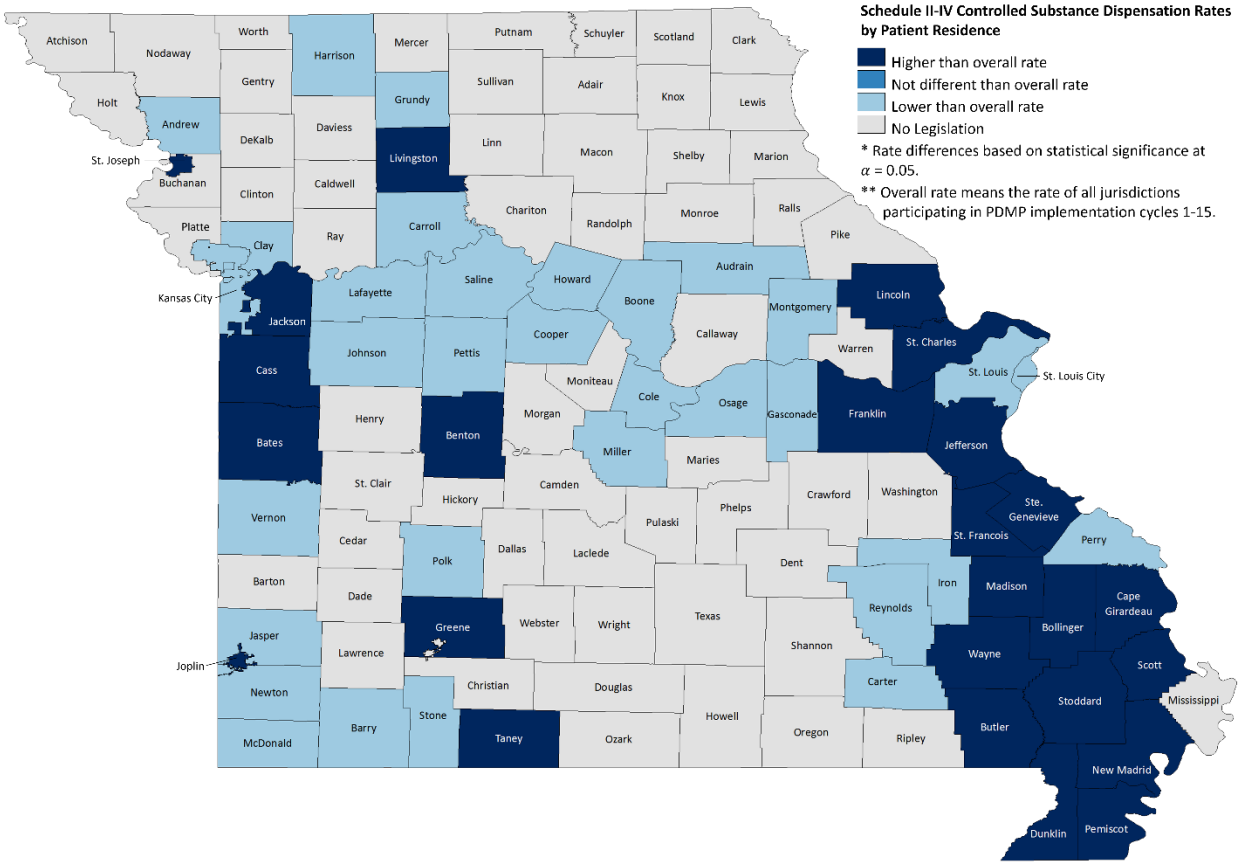
Schedule II - IV Controlled Substances

Controlled substances are regulated by the Drug Enforcement Administration (DEA) under the Controlled Substances Act (CSA). Controlled substances fall into 6 broad drug categories: benzodiazepines, muscle relaxants, opioids, stimulants, zolpidem, and unclassified. Morphine, OxyContin®, Ambien®, Demerol®, Adderall®, Ritalin®, hydrocodone, Klonopin®, tramadol, Valium®, Ativan®, Versed®, buprenorphine, Depo®-Testosterone, and Soma® are examples of schedule II-IV controlled substances. The average prescription length was 24.0 days across all schedule II-IV controlled substances.

Dispensation Rates by Jurisdiction

Dispensation rates vary by patient residence. **The schedule II-IV controlled substance dispensation rate of the total system was 1,583.7 prescriptions per 1,000 population; this equates to approximately 1.6 prescriptions per person.** Dunklin County residents received the highest rates of controlled substance dispensations (2,493.5 prescriptions per 1,000 population). Harrison County residents received the lowest rates of controlled substances (571.5 prescriptions per 1,000 population). When compared to the total system (all jurisdictions combined), 25 jurisdictions had significantly higher dispensation rates, and 32 jurisdictions had significantly lower rates (Figure 5). Jurisdiction-specific rates can be found in Table 3.

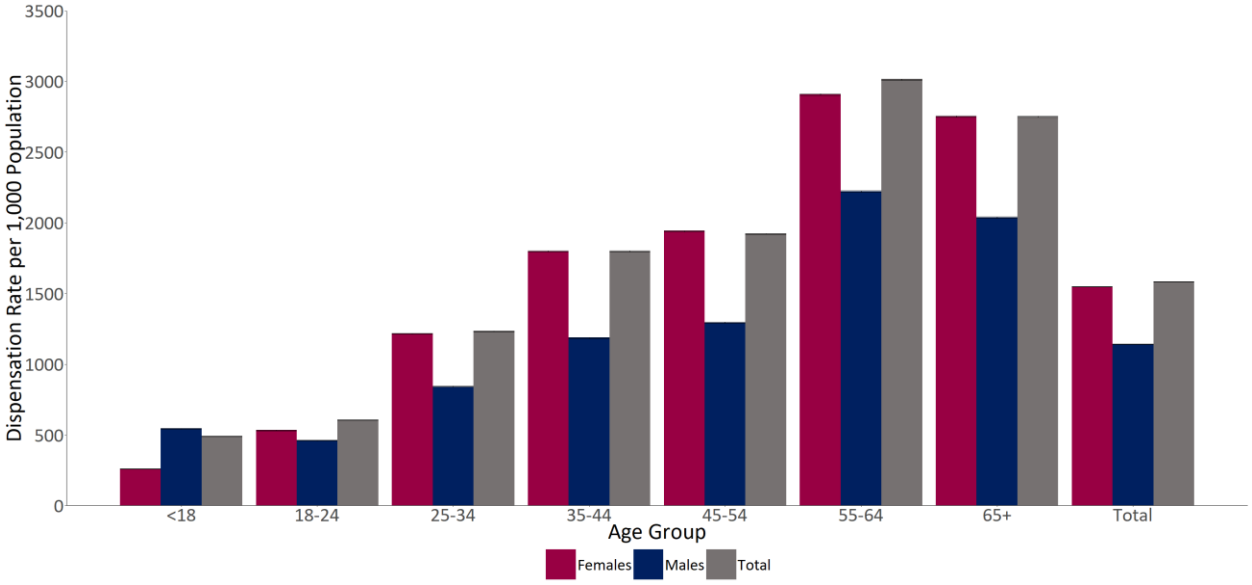
Figure 5. Schedule II-IV controlled substance dispensation rates per 1,000 by patient residence.



Dispensation Rates by Age & Gender

Females received higher rates of controlled substances than males for all ages, except for minors. For minors, males received more than 2 times more controlled substances than females due to stimulant prescriptions. Figure 6 demonstrates that, across both genders, **dispensation rates increase with age. Females aged 55-64 received the highest rates – more than 2.9 prescriptions for every female aged 55-64 years old**. Controlled substance rates by age and gender can be found in Table 3.

Figure 6. Controlled substance dispensation rates per 1,000 population by age and gender.

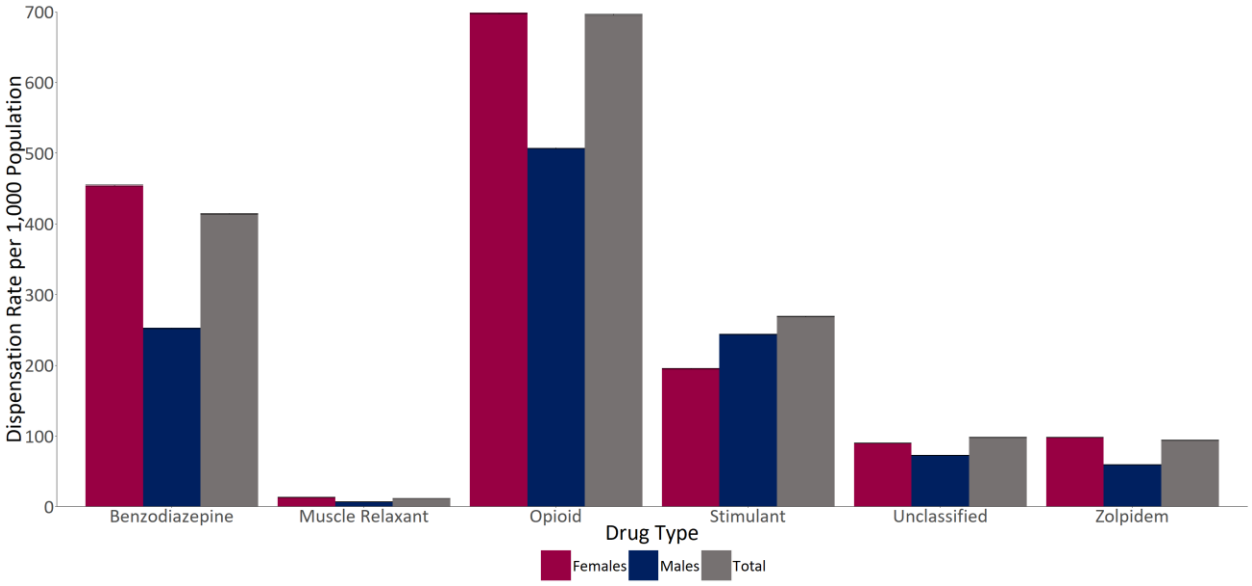


Dispensation Rates by Gender & Drug Type

There are 6 main categories of controlled substances included in this report: benzodiazepines, muscle relaxants, opioids, stimulants, zolpidem, and unclassified.

Across all age groups, opioids were the most frequently prescribed type of schedule II-IV controlled substance (Figure 7). Benzodiazepines were the second most frequently prescribed drug type, followed by stimulants, unclassified, zolpidem, and muscle relaxants. **Opioids comprise approximately 44% of all controlled substances dispensed. Stimulants were the only category of controlled substances where males received higher rates than females.**

Figure 7. Controlled substance dispensation rates per 1,000 population by drug type and gender.

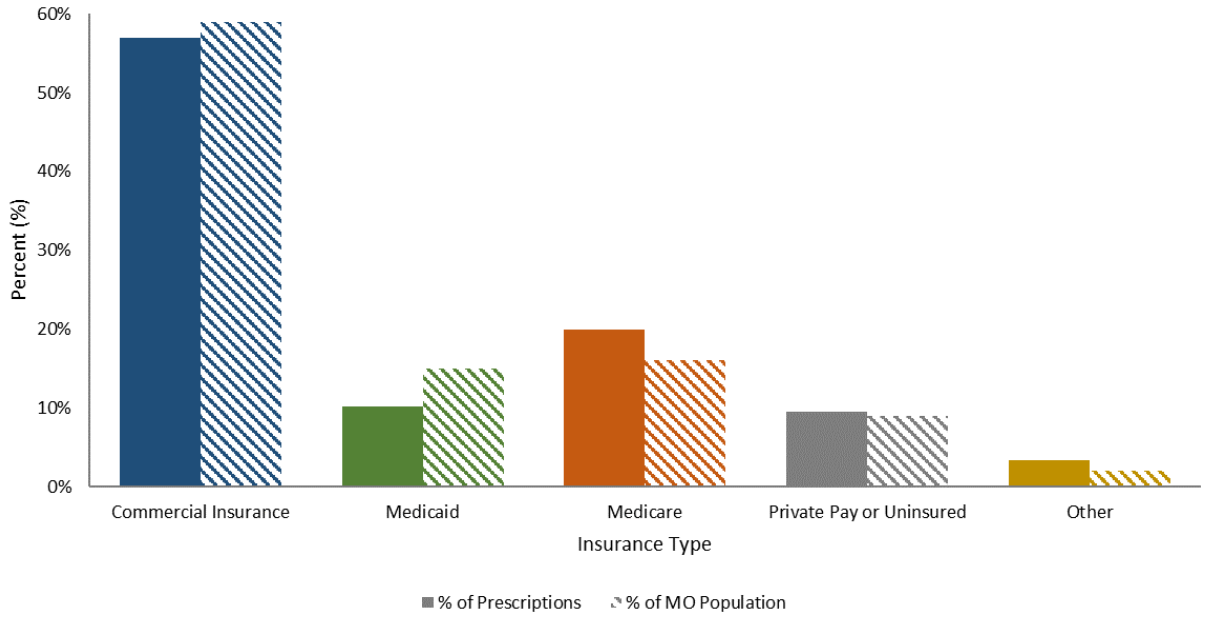


Dispensation Rates by Payment Type

Payment type describes how the prescription was paid for and was broken down into 5 categories: commercial insurance, Medicaid, Medicare, private pay, and other. Figure 8 represents the percent of prescriptions by payment method compared to the Missouri population.[2] Additional data can be found in Table 4.

- Commercial insurance is insurance typically offered by an employer or through the healthcare Marketplace. Commercial insurance does not include government-funded insurance programs, Medicaid, or Medicare. Common commercial insurance companies include Anthem, Cigna, United Healthcare, Humana, Kaiser Permanente, and Aetna.
    - **The proportion of prescriptions paid for by commercial insurance matched the Missouri population (57% of prescriptions compared to 59% of MO population).**
- Medicaid is a government-funded insurance program with state-specific eligibility requirements. Those eligible for Medicaid are typically those under the age of 18, pregnant women, seniors, and individuals with disabilities.
    - **There were fewer Medicaid prescriptions than expected; Medicaid comprised only 10% of prescriptions but covers 15% of the Missouri population.**
- Medicare is a government-funded insurance program for individuals with certain disabilities, individuals with End-Stage Renal Disease, and individuals aged 65 or older.
    - 16% of the Missouri population has Medicare but 20% of controlled substances were paid for by Medicare. This is likely due to Medicare recipients being older or having specific chronic health conditions.
- Private pay means the prescription was not billed to any insurance plan and is commonly thought of as cash pay.
    - The proportion of prescriptions paid for by private pay/no insurance matched the Missouri population.
- Other includes all payments methods not described above, including military/VA, worker's compensation, and Indian nations.
    - The proportion of prescriptions paid for by 'other' insurance was comparable to the Missouri population.

Figure 8. Percent of controlled substance dispensations and Missouri population by payment type/insurance status.



Multiple Provider Episodes

In the PDMP, there is a 'Multiple Provider Alert' that generates when a patient has filled prescriptions written by 3+ prescribers and filled at 3+ pharmacies within 6 months. This alert is meant to be an information tool for providers and should not be viewed as confirmation that a patient has engaged in inappropriate or illegal behavior. Alerts may assist in the identification of a problematic pattern of controlled substance use for which additional screening and intervention may be beneficial. **Only 0.8% of the population (34,766 patients) generated the 'Multiple Provider Alert' in the PDMP in 2018 (3+ prescribers & 3+ pharmacies within 6 months).**

While the alert can sometimes indicate the patient is receiving a concerning dosage or number of prescriptions, there are many scenarios where a patient could generate an alert in the PDMP while obtaining appropriate medical care. For example, a patient could have a primary care provider, specialist, and dentist – this would be 3 prescribers. A patient might have a mail-order pharmacy for maintenance/long-term medications and a local pharmacy. If the local pharmacy does not have the medication in stock and transfers the prescription to another pharmacy, that becomes 3 pharmacies. This is just one reasonable scenario where a patient might have an alert in the PDMP. It is recommended that providers talk with their patients and review the information in the PDMP to determine if their patient is receiving appropriate medical care or is at risk for substance use disorder.

To allow for national comparison, the proportion of patients receiving prescriptions from 5+ prescribers and 5+ pharmacies within 6 months was also calculated. **0.05% of the population (2,160 patients) obtained prescriptions from 5+ prescribers and 5+ pharmacies within 6 months.** This is slightly higher than the national rate of 0.03%, but 2013 is the most recent national data available for comparison.[4] Obtaining prescriptions from 5+ prescribers and 5+ pharmacies within 6 months could indicate the patient is at increased risk of having or developing substance use disorder.

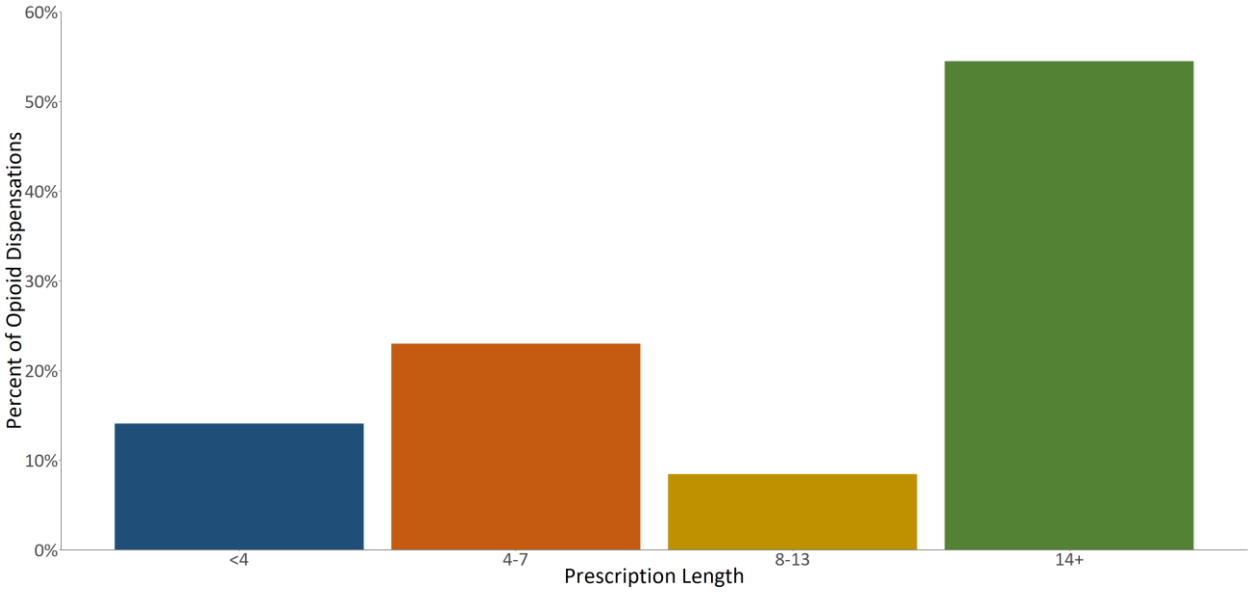
Opioids

Opioids are medications used to treat pain; OxyContin®, Vicodin®, tramadol, codeine, and methadone are examples of opioids.

Opioid Prescription Length

For opioid prescriptions, the average prescription length was 17.3 days. CDC prescribing guidelines recommend opioid prescriptions be written for the shortest possible duration. In Figure 9, opioid dispensations are categorized by prescription length: <4 days, 4-7 days, 8-13 days, and 14+ days. **More than half (54.5%) of opioid prescriptions were written to last more than 14 days.** Additional data related to prescription length can be found in Table 5.

Figure 9. Percent of opioid dispensations by prescription length.

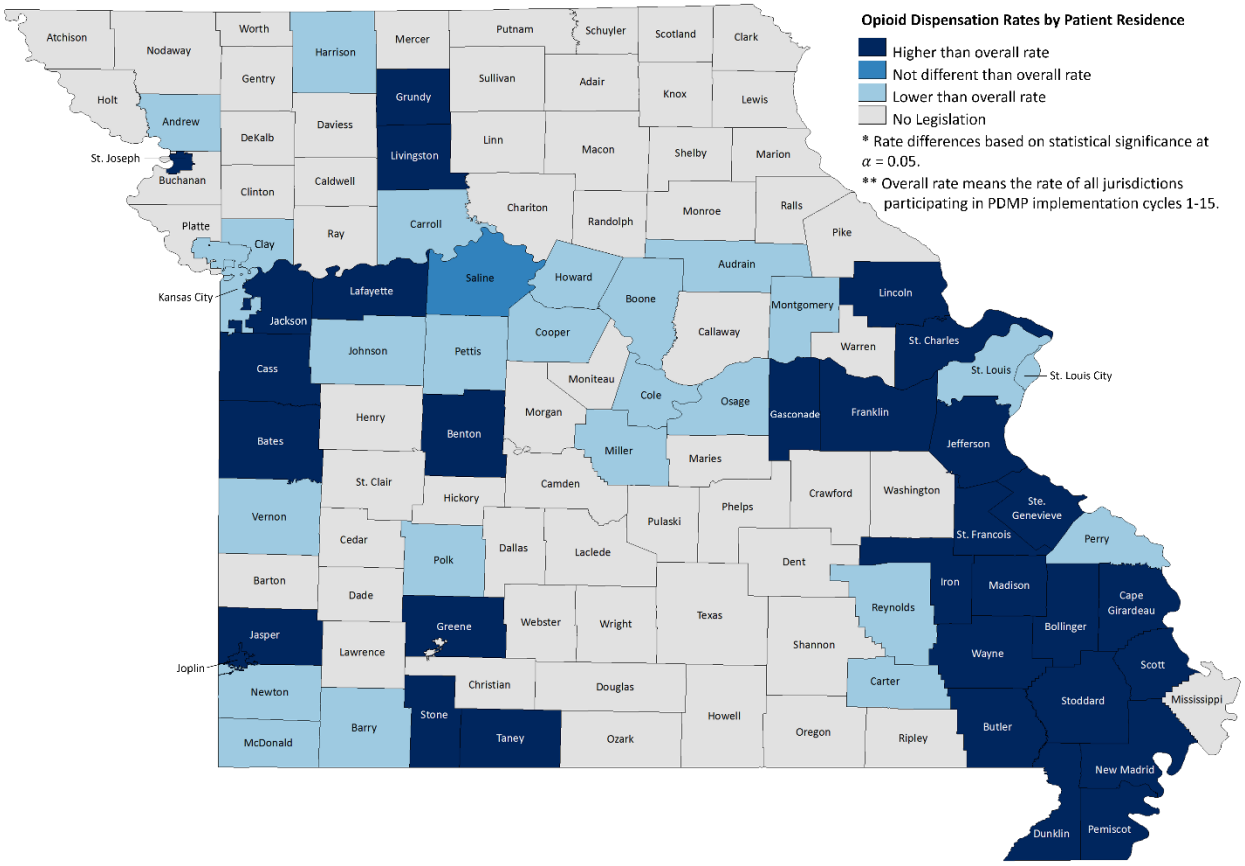


Dispensation Rates by Jurisdiction

The opioid dispensation rate of the total system was 696.0 prescriptions per 1,000 population – enough opioid prescriptions for 70% of residents to have received an opioid prescription in 2018. This is higher than the national opioid dispensation rate (587.0 opioid prescriptions per 1,000 population).[3]

St. Francois County residents received the highest rates of opioid dispensations (1,208.7 opioid prescriptions per 1,000 population). Harrison County residents received the lowest rates of opioid prescriptions (305.6 opioid prescriptions per 1,000 population). When compared to the total system (all jurisdictions combined), 25 jurisdictions had significantly higher opioid dispensation rates; 31 jurisdictions had significantly lower rates; and 1 jurisdiction had an opioid dispensation rate not significantly different than the total system (Figure 10). Jurisdiction-specific rates can be found in Table 6.

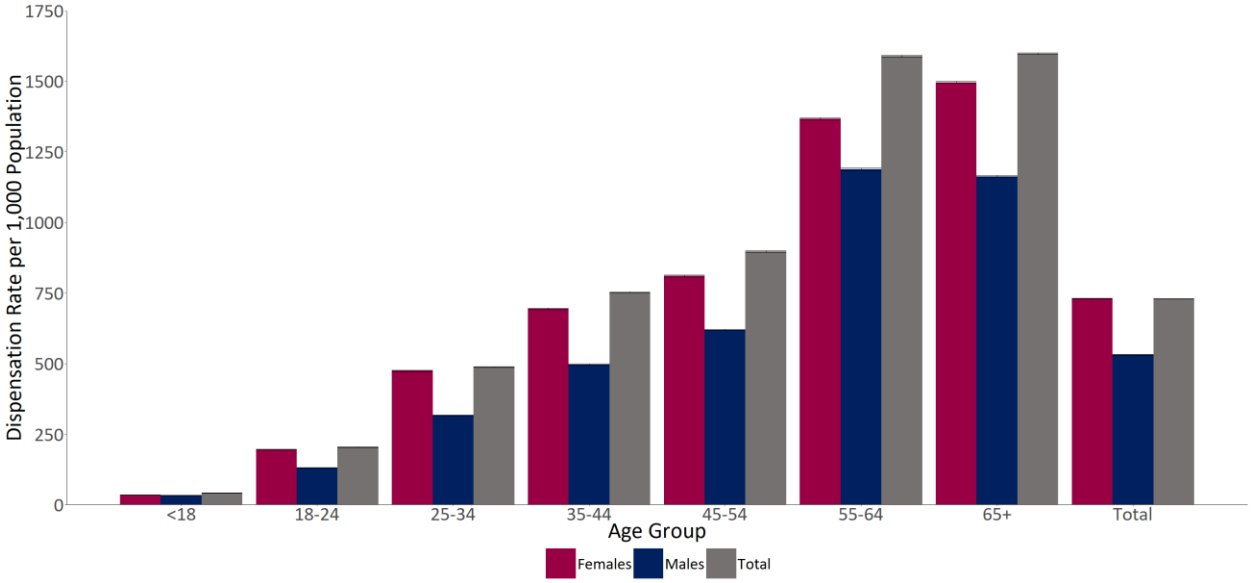
Figure 10. Opioid dispensation rates per 1,000 population by patient residence.



Dispensation Rates by Age & Gender

When examining opioid dispensation rates, females received higher rates than males across all age groups as displayed in Figure 11. **Females 65+ received the highest rates of opioids – enough for 1.5 opioid prescriptions for every female aged 65+** (1,516.4 opioid prescriptions per 1,000 population). For males, those aged 55-64 received the highest rates of opioid prescriptions – 1.2 prescriptions per male aged 55-64 (1,221.3 opioid prescriptions per 1,000 population). Opioid dispensation rates increase as patient age increases with drastic jumps in dispensation rates from 18-24 year olds to 25-34 year olds and 45-54 year olds to 55-64 year olds, increases of 137% and 78%, respectively. Opioid rates by age and gender can be found in Table 6.

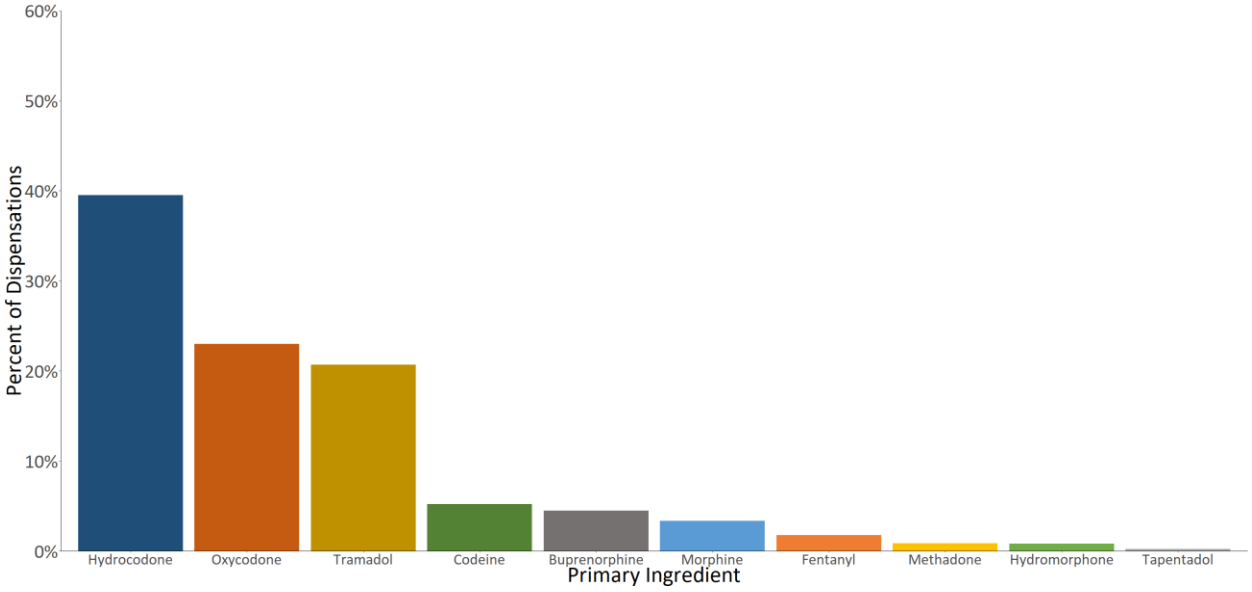
Figure 11. Opioid dispensation rates per 1,000 population by age and gender.



Dispensation Rates by Primary Ingredient

Figure 12 displays the top ten opioids dispensed by primary drug ingredient for the overall system. **Hydrocodone (Norco®, Vicodin®, Lorcet®), oxycodone (OxyContin®), and tramadol (Ultram®) were the three most frequently prescribed opioids.** These three drugs comprise 83% of all opioids dispensed. Buprenorphine, typically used in medication assisted treatment (MAT) for opioid use disorder, is in the top 10 dispensed opioids. Table 7 contains additional data on opioid dispensations by primary ingredient.

Figure 12. Percent of opioid dispensations by top 10 primary drug ingredient.



Dispensation Rates by MME Category

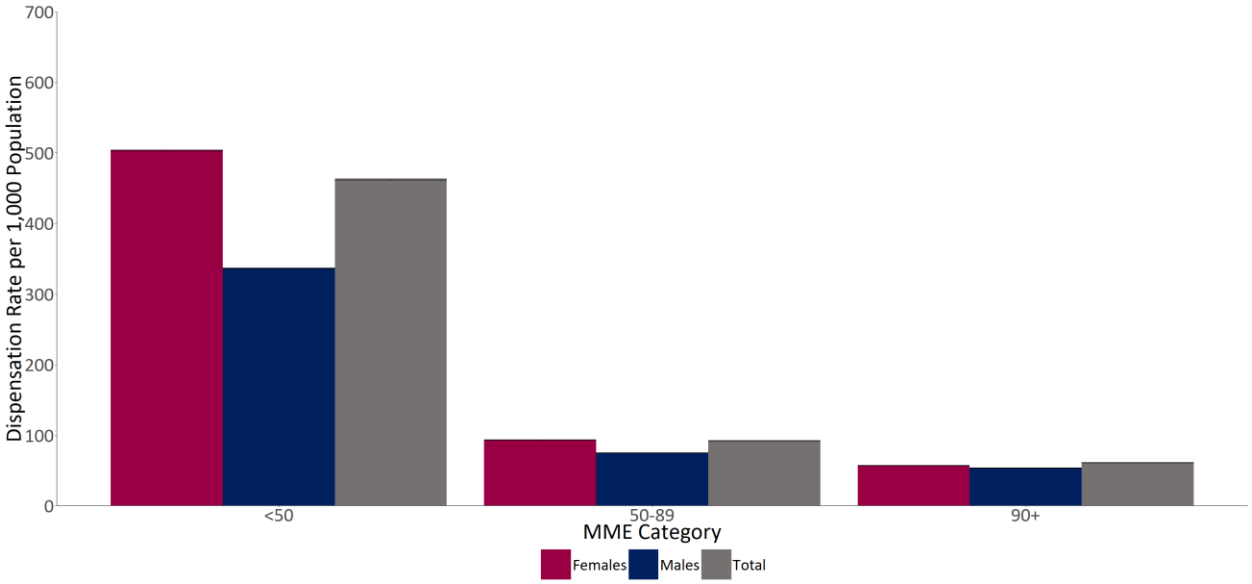
To compare dosage/strength of opioid prescriptions, morphine milligram equivalent (MME) is used. As the primary ingredient of an opioid prescription varies (Figure 12), opioid dosages are converted to the morphine equivalent (MME) for comparison across different types of opioids.

Opioid dispensations were categorized into one of three morphine milligram equivalent (MME) categories using CDC's prescribing guidelines. Per CDC's guidelines, prescribers are to prescribe the lowest dosage possible, use caution when writing prescriptions for 50-90 MME, and use extreme caution when exceeding 90 MME. From these guidelines, opioid dispensations were categorized into <50 MME (low dose), 50-89 MME (moderate dose), and 90+ MME (high dose). Of note, this data represents dosage for single opioid prescriptions, not a cumulative patient total.

As displayed in Figure 13, opioid dispensation rates decrease as dosage increases. Low dose opioids (MME<50) are the most commonly prescribed MME dosage category (462.5 prescriptions per 1,000 population). **Low dose opioid prescriptions (<50 MME) comprise 75.1% of all opioid dispensations. 9.0% of patients received a high average daily opioid dose (90+ MME) from a single prescription.**

The average daily dose for a single opioid prescription was 54.6 MME. Opioid rates by MME category can be found in Table 8.

Figure 13. Opioid dispensation rates per 1,000 population by MME category and gender.



Long-term Opioid Patients

Patients receiving opioid prescriptions that last 60+ days in a quarter are considered long-term opioid patients. These patients are typically either prescribed opioids for chronic pain management or treatment for opioid use disorder. Each clinical case is unique, but in general, there is limited evidence to support the clinical benefits of prescribing high dose opioids (50+ MME) for 60+ days. The CDC recommends prescribing opioids at the lowest possible dose for the shortest duration.

When examining average cumulative daily opioid dose (per patient, not single prescriptions), **most long-term opioid patients (69.7%) received low doses of opioid prescriptions (daily MME <50).** 15.3% of patients receiving long-term prescriptions received a moderate daily dose (50-89 MME), and 15.1% of long-term opioid patients received high doses (90+ MME). See Table 9 for additional data.

The finding of 30% of long-term opioid patients receiving moderate or high dose prescriptions is likely due to chronic pain management or treatment (MAT) for opioid use disorder. Individuals on opioids for chronic pain have likely needed to increase their dosage over time due to tolerance that develops with extended opioid use. For treatment of opioid use disorder, the 2 MAT medications, buprenorphine and methadone, have very high morphine conversion factors. For example, 20mg of methadone is 90 MME compared to 90mg of hydrocodone.[5] Individuals on MAT might be on low milligram doses of buprenorphine or methadone but could fall in the high dose category because of the high MME conversion factor. The Missouri Opioid State Targeted Response (STR) and Missouri State Opioid Response (SOR) projects focus on expanding access to integrated prevention, treatment, and recovery support services for individuals with opioid use disorder throughout the state.[6] An increase in MAT access and the high MME conversion factors for buprenorphine and methadone might help explain why high dose prescriptions are more common for long-term opioid patients than moderate dose.

Buprenorphine

Buprenorphine is a partial agonist opioid used in medication assisted treatment (MAT) for opioid use disorder.

To treat opioid use disorder with buprenorphine, providers must obtain a waiver through specialized training with the Substance Abuse and Mental Health Services Administration (SAMHSA). The Missouri Opioid State Targeted Response (STR) and Missouri State Opioid Response (SOR) projects are two efforts focused on expanding access to integrated prevention, treatment, and recovery support services for individuals with opioid use disorder throughout the state.[6]

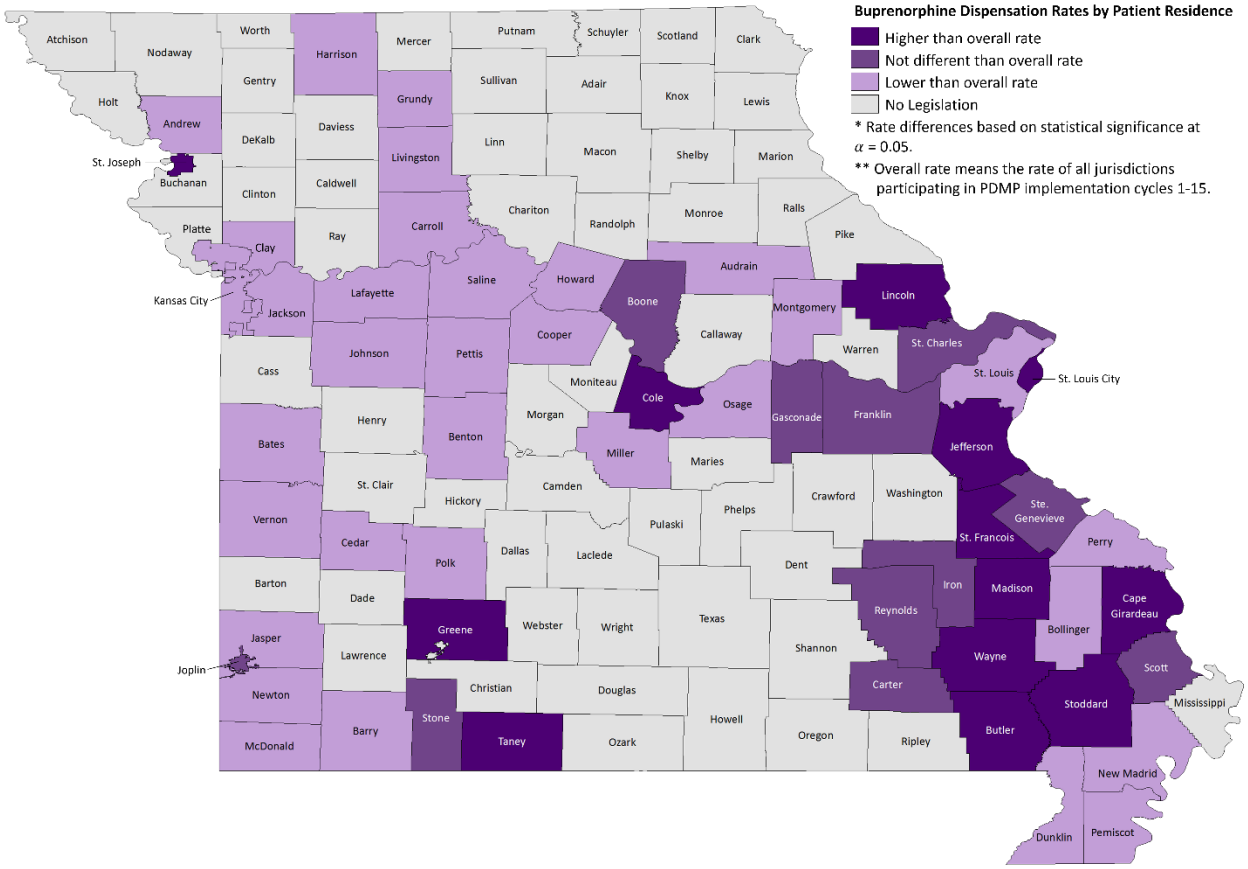
Increasing treatment capacity for opioid use disorder is a critical component of reducing the fatalities associated with the opioid epidemic. There is evidence that timely access to MAT upon treatment or recovery initiation results in higher rates of treatment retention and ultimately reduced harm for patients with opioid use disorder.[7] Primary care is starting to treat opioid use disorder which has historically only been treated within specialized treatment facilities. Like many other chronic diseases, primary care is an appropriate space to treat opioid use disorder for many patients with specialists involved with complex cases, like co-occurring mental health disorders. Treating opioid use disorder within primary care greatly increases treatment availability.

From 2017-2018, the rates of buprenorphine prescribing have increased 40% in Missouri. This represents a 40% increase in the number of patients receiving buprenorphine and is a representation of the increase in access to MAT services in the state. While rates of buprenorphine prescribing are still low, this increase is a promising sign that access to treatment for opioid use disorder is rapidly expanding.

Dispensation Rates by Jurisdiction

Figure 14 displays the number of patients (per 1,000) that filled buprenorphine prescriptions by patient residence. Unlike other maps, Figure 14 contains rates by number of patients, not prescriptions. The overall rate of patients receiving buprenorphine was 3.5 patients per 1,000 population. Jurisdictions with more residents receiving treatment for opioid use disorder are dark purple; 13 jurisdictions had significantly higher buprenorphine rates. 11 jurisdictions received buprenorphine at significantly lower rates than the total system, and 33 jurisdictions had buprenorphine dispensation rates not significantly different than the total system (Figure 14). St. Louis City residents received the highest rates of buprenorphine dispensations (8.7 buprenorphine prescriptions per 1,000 population). Howard County residents received the lowest rates of buprenorphine prescriptions (0.7 buprenorphine prescriptions per 1,000 population). Jurisdiction-specific rates can be found in Table 10.

Figure 14. Buprenorphine dispensation rates per 1,000 population by jurisdiction.



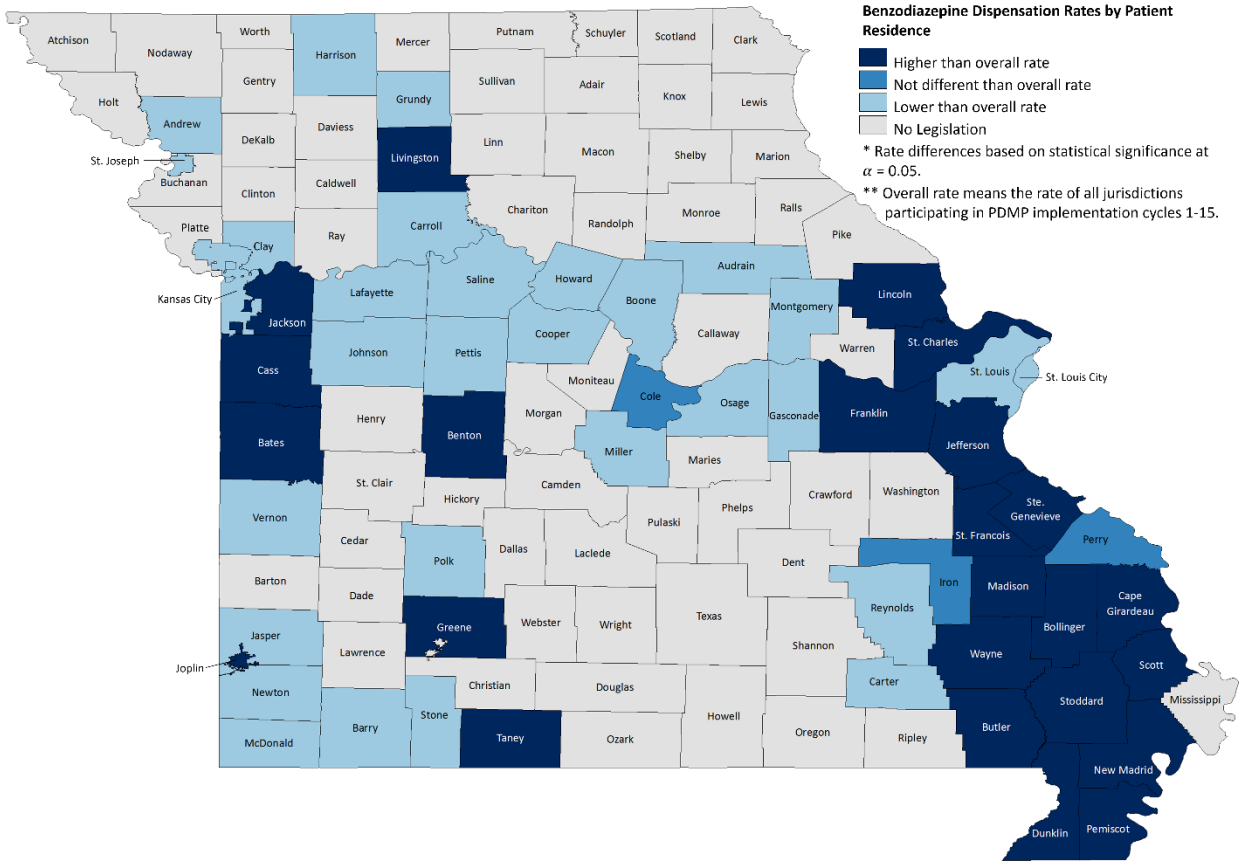
Benzodiazepines

Benzodiazepines are medications used to treat a variety of conditions, including anxiety, seizures, and insomnia. Alprazolam, clonazepam, Valium®, and Xanax® are examples of benzodiazepines. **The average prescription length was 27.3 days for benzodiazepines.** As benzodiazepines are commonly used to manage a variety of diseases, it is expected that most patients are on a daily therapeutic dose of benzodiazepines.

Dispensation Rates by Jurisdiction

The benzodiazepine dispensation rate of the total system was 414.4 prescriptions per 1,000 population – enough benzodiazepine prescriptions for 41% of residents to have received a benzodiazepine prescription in 2018. Pemiscot County residents received the highest rates of benzodiazepine dispensations (893.1 benzodiazepine prescriptions per 1,000 population). Harrison County residents received the lowest rates of benzodiazepine prescriptions (150.0 benzodiazepine prescriptions per 1,000 population). When compared to the total system (all jurisdictions combined), 24 jurisdictions had significantly higher benzodiazepine dispensation rates; 30 jurisdictions received benzodiazepines at significantly lower rates than the total system; and 3 jurisdictions had benzodiazepine dispensation rates not significantly different than the total system (Figure 15). Jurisdiction-specific rates can be found in Table 11.

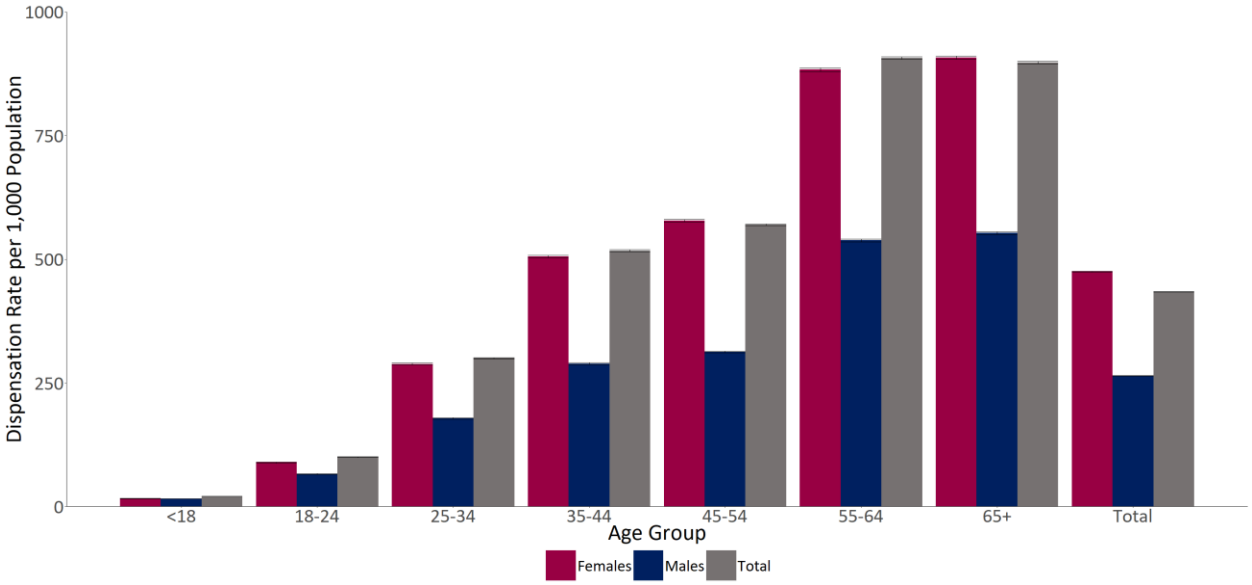
Figure 15. Benzodiazepine dispensation rates per 1,000 by patient residence.



Dispensation Rates by Age & Gender

Females received higher rates of benzodiazepines than males across all age groups as displayed in Figure 16. Females 55+ received the highest rates of benzodiazepines – enough for **almost one benzodiazepine prescription per female aged 55+** (918.3 benzodiazepine prescription per 1,000 females aged 55+). Benzodiazepine prescription rates increase as age increases; those 55+ years old received the highest rates of benzodiazepines (864.2 benzodiazepine prescriptions per 1,000 population for those 55+). There were drastic increases in dispensation rates from 18-24 year olds to 25-34 year olds and 45-54 year olds to 55-64 year olds, increases of 198% and 60%, respectively. Benzodiazepine rates by age and gender can be found in Table 11.

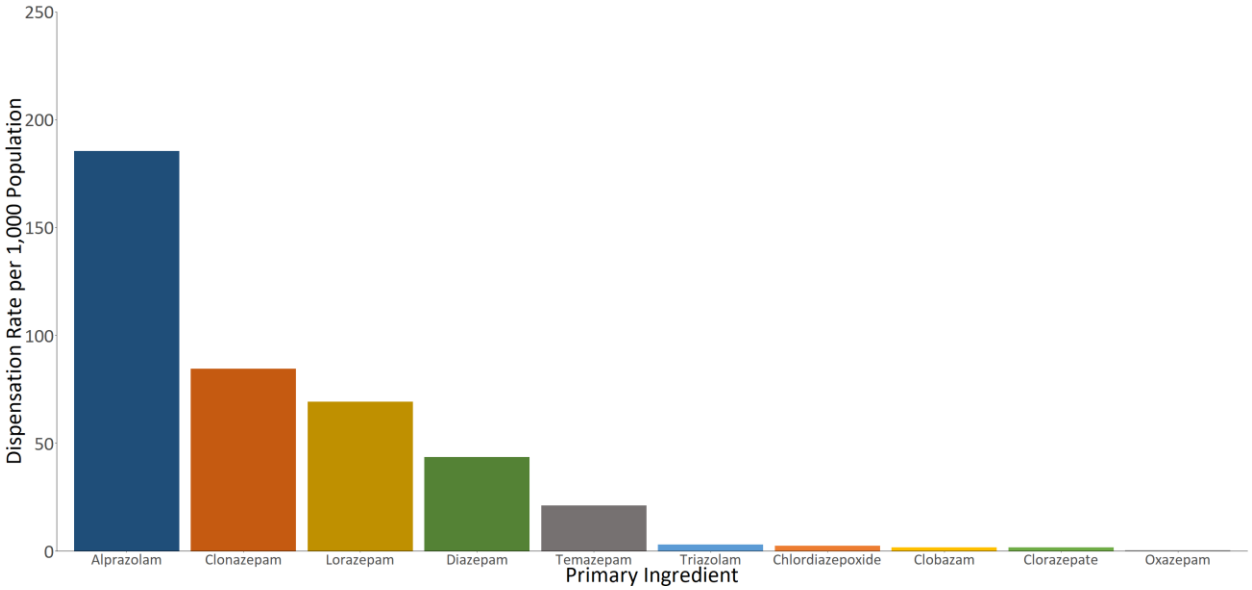
Figure 16. Benzodiazepine dispensation rates per 1,000 population by age and gender.



Dispensation Rates by Primary Ingredient

Figure 17 displays the top ten benzodiazepines dispensed by primary drug ingredient for the overall system. **Alprazolam (Xanax®), clonazepam (Klonopin®), and lorazepam (Ativan®) were the three most frequently prescribed benzodiazepines.** These three drugs comprise 82% of all benzodiazepines dispensed. Table 12 contains additional data on benzodiazepine dispensations by primary ingredient.

Figure 17. Percent of benzodiazepine dispensations by top 10 primary drug ingredient.



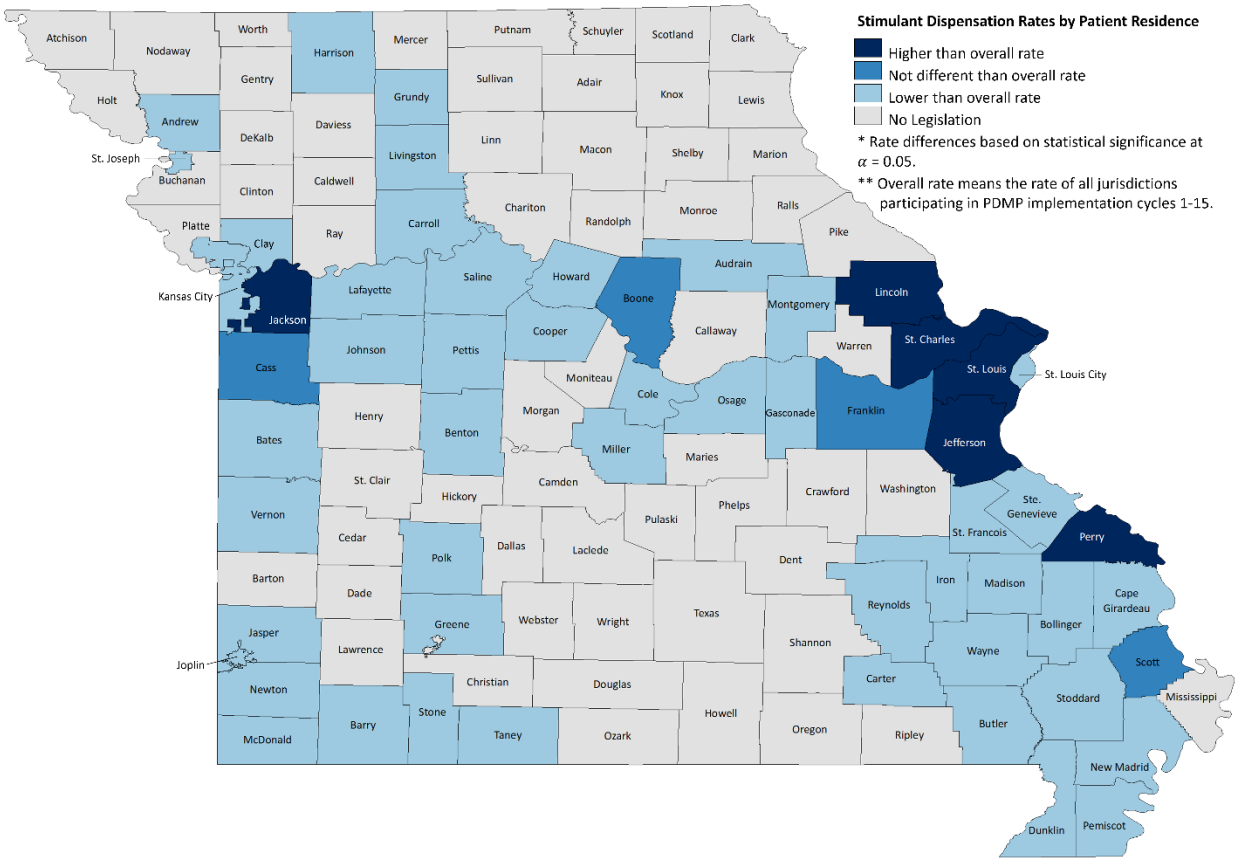
Stimulants

Stimulants are medications often used to treat attention deficit hyperactivity disorder (ADHD). Adderall®, Ritalin®, Vyvanse®, and Concerta® are examples of stimulants. **The average prescription length was 30.4 days for stimulants.** Stimulants, primarily used to treat ADHD, are medications generally taken daily.

Dispensation Rates by Jurisdiction

The stimulant dispensation rate of the total system was 269.0 prescriptions per 1,000 population – enough stimulant prescriptions for 27% of residents to have received a stimulant prescription in 2018. St. Charles County residents received the highest rates of stimulant dispensations (487.5 stimulant prescriptions per 1,000 population). Polk County residents received the lowest rates of stimulant prescriptions (41.2 stimulant prescriptions per 1,000 population). When compared to the total system (all jurisdictions combined), 6 jurisdictions had significantly higher stimulant dispensation rates; 47 jurisdictions had significantly lower rates of stimulant dispensations; and 4 jurisdictions had stimulant dispensation rates not significantly different than the total system (Figure 18). Jurisdiction-specific rates can be found in Table 13.

Figure 18. Stimulant dispensation rates per 1,000 by patient residence.

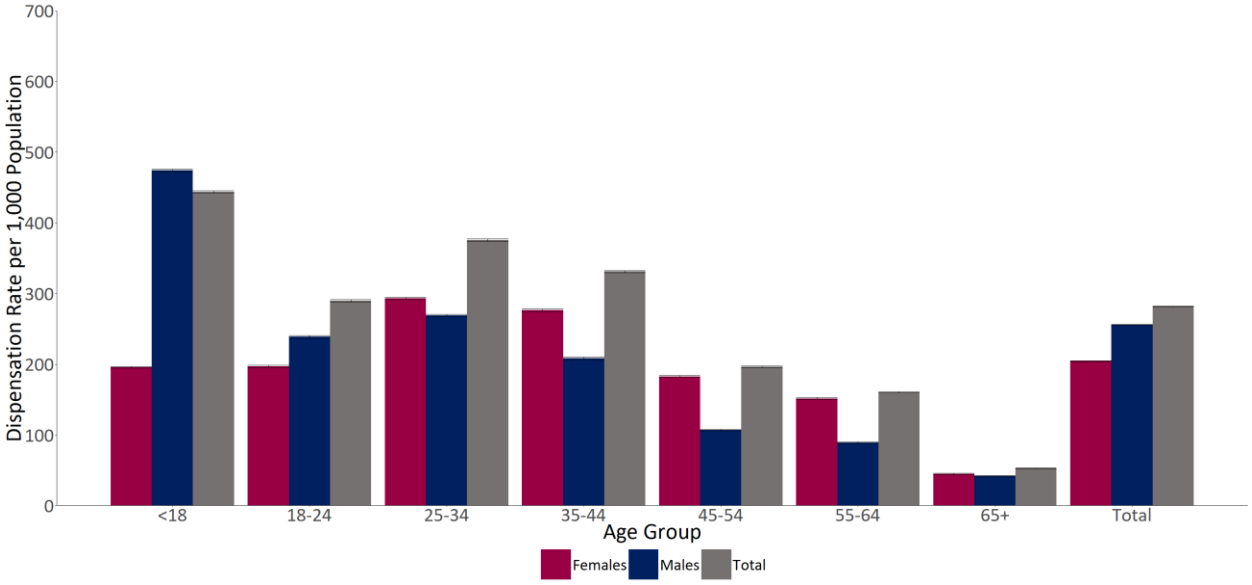


Dispensation Rates by Age & Gender

Stimulants were the only category of controlled substances where males received higher rates than females (Figure 19). **Males under 18 years old received 2.4 times more stimulant prescriptions than females.**

Females received more stimulant prescriptions than males for ages 25+. Unlike all other categories of controlled substances, stimulant dispensations decreased with age. Those aged under 18 years old received the highest rates of stimulants compared to all other age groups (422.7 stimulant prescriptions per 1,000 population). For males, minors had the highest stimulant dispensation rates (488.9 stimulant prescriptions per 1,000 population) – **enough for more than 48% of males <18 years old to have received a stimulant prescription.** Among females, those aged 25-34 received the highest rates of stimulants (302.6 stimulant prescriptions per 1,000 population). Stimulant rates by age and gender can be found in Table 13.

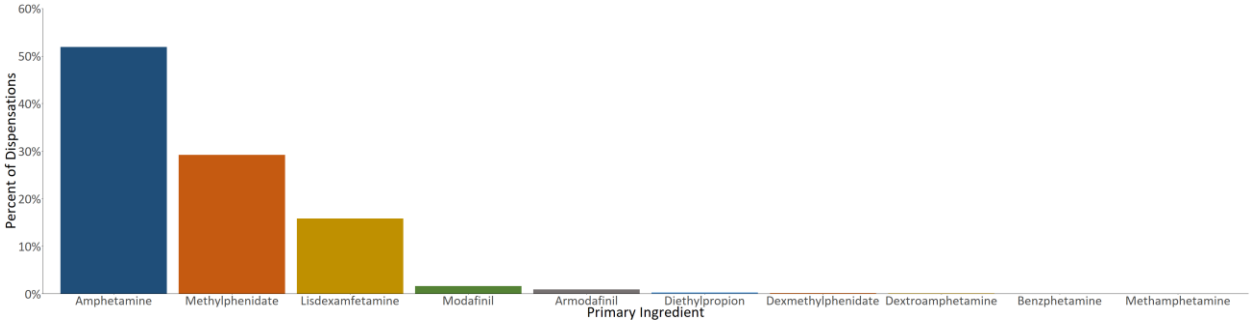
Figure 19. Stimulant dispensation rates per 1,000 population by age and gender.



Dispensation Rates by Primary Ingredient

Figure 20 displays the top ten stimulants dispensed by primary drug ingredient for the overall system. **Amphetamine (Adderall®), methylphenidate (Concerta®, Ritalin®), and lisdexamfetamine (Vyvanse®) were the three most frequently prescribed stimulants.** These three drugs comprise 97% of all stimulants dispensed. Table 14 contains additional data on stimulant dispensations by primary ingredient.

Figure 20. Percent of stimulant dispensations by top 10 primary drug ingredient.



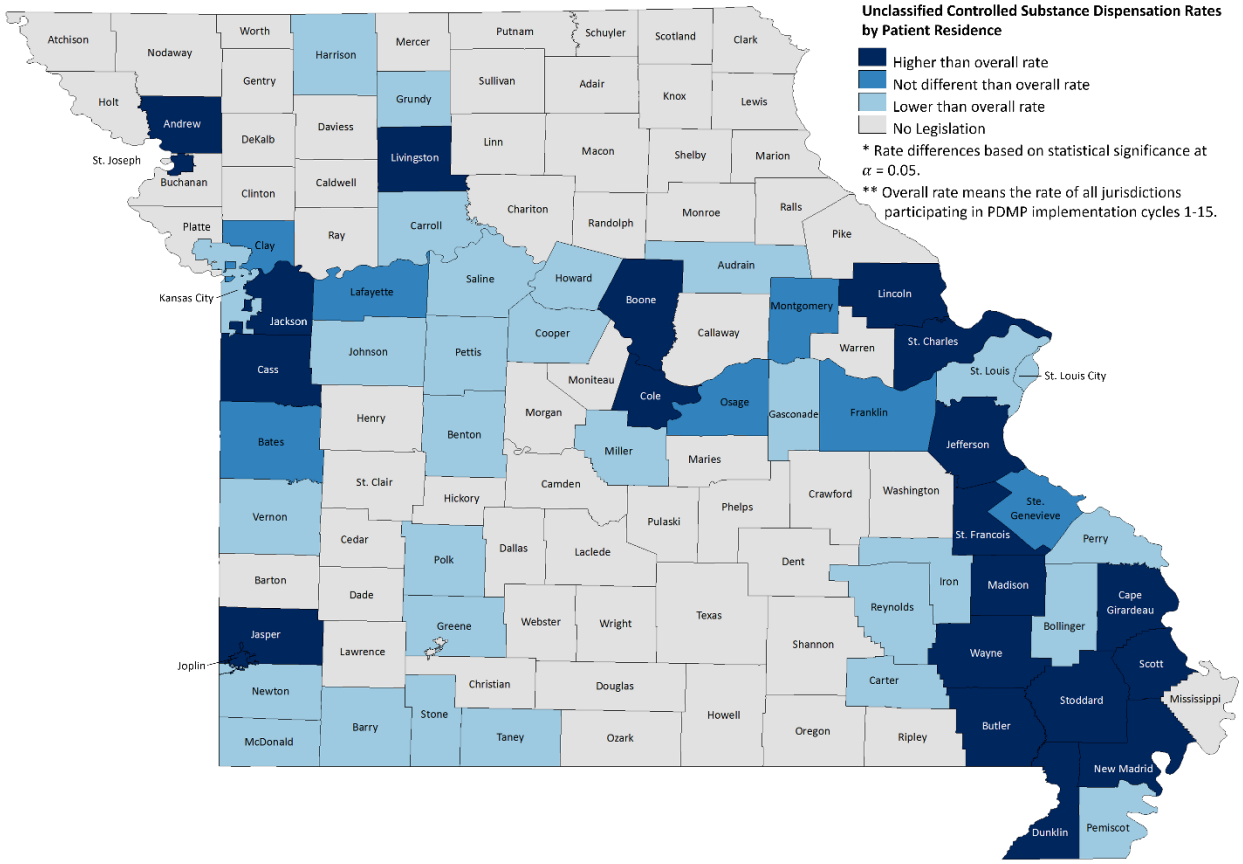
Unclassified

The unclassified category contains schedule II-IV controlled substances not classified as opioids, benzodiazepines, muscle relaxants, stimulants, or zolpidem. Steroids and hormones are two examples of unclassified controlled substances. **The average prescription length was 32.5 days for unclassified controlled substances.** As hormones (common unclassified controlled substance) are commonly used to manage a variety of long-term, chronic diseases, it is expected that most patients are on a daily therapeutic dose.

Dispensation Rates by Jurisdiction

The dispensation rate for unclassified controlled substances for the total system was 98.3 prescriptions per 1,000 population – enough unclassified prescriptions for 8% of residents to have received an unclassified controlled substance in 2018. Butler County residents received the highest rates of unclassified dispensations (164.4 unclassified prescriptions per 1,000 population). Barry County residents received the lowest rates of unclassified prescriptions (27.5 unclassified prescriptions per 1,000 population). When compared to the total system (all jurisdictions combined), 21 jurisdictions had significantly higher unclassified dispensation rates; 29 jurisdictions had significantly lower rates; and 7 jurisdictions had unclassified dispensation rates not significantly different than the overall system (Figure 21). Jurisdiction-specific rates can be found in Table 15.

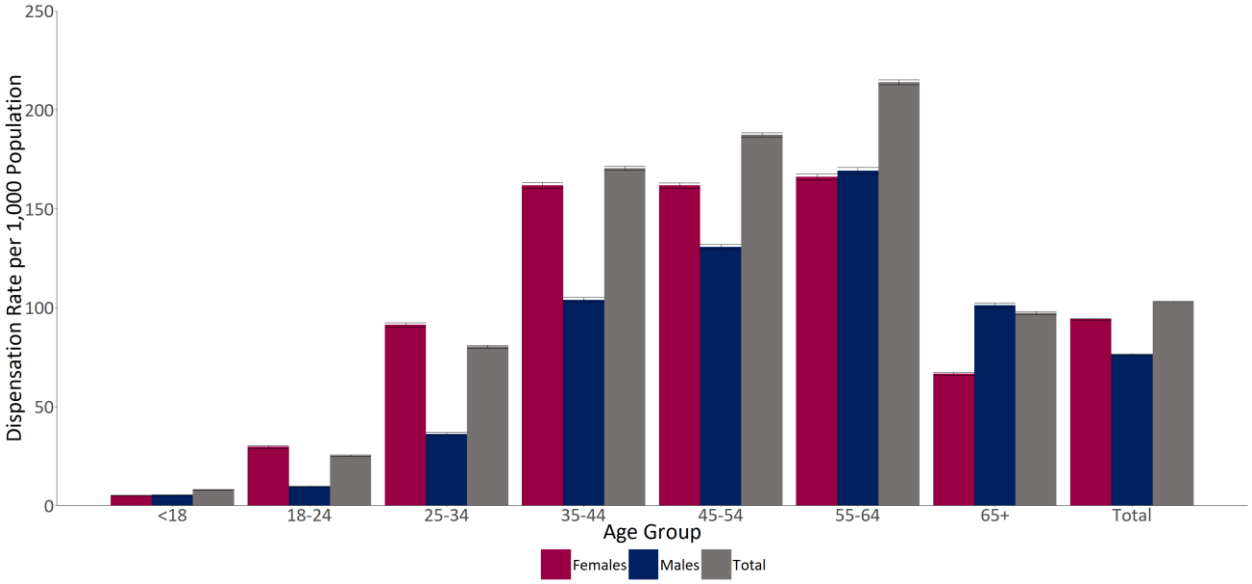
Figure 21. Unclassified dispensation rates per 1,000 by patient residence.



Dispensation Rates by Age & Gender

When examining unclassified dispensation rates, females received higher rates of unclassified controlled substances than males for 18-54 year olds as displayed in Figure 22. Unlike other types of controlled substances where dispensation rates increase with age, **females received similar rates of unclassified controlled substances for those aged 35-64 years old.** Males 55+ years old received higher rates than females. These trends make sense as hormones, like testosterone and estrogen, are the most common unclassified controlled substances. Males 55-64 years old received the highest rates of unclassified controlled substances (172.5 unclassified prescriptions per 1,000 population) – **enough for 17% of males aged 55-64 to have received an unclassified controlled substance prescription in 2018**. Unclassified dispensation rates increase as patient age increases with drastic jumps in dispensation rates from the 18-24 year to 25-34 year age groups and from 25-34 year to 35-44 year age groups, increases of 217% and 111%, respectively. Unclassified rates by age and gender can be found in Table 15.

Figure 22. Unclassified dispensation rates per 1,000 by age and gender.



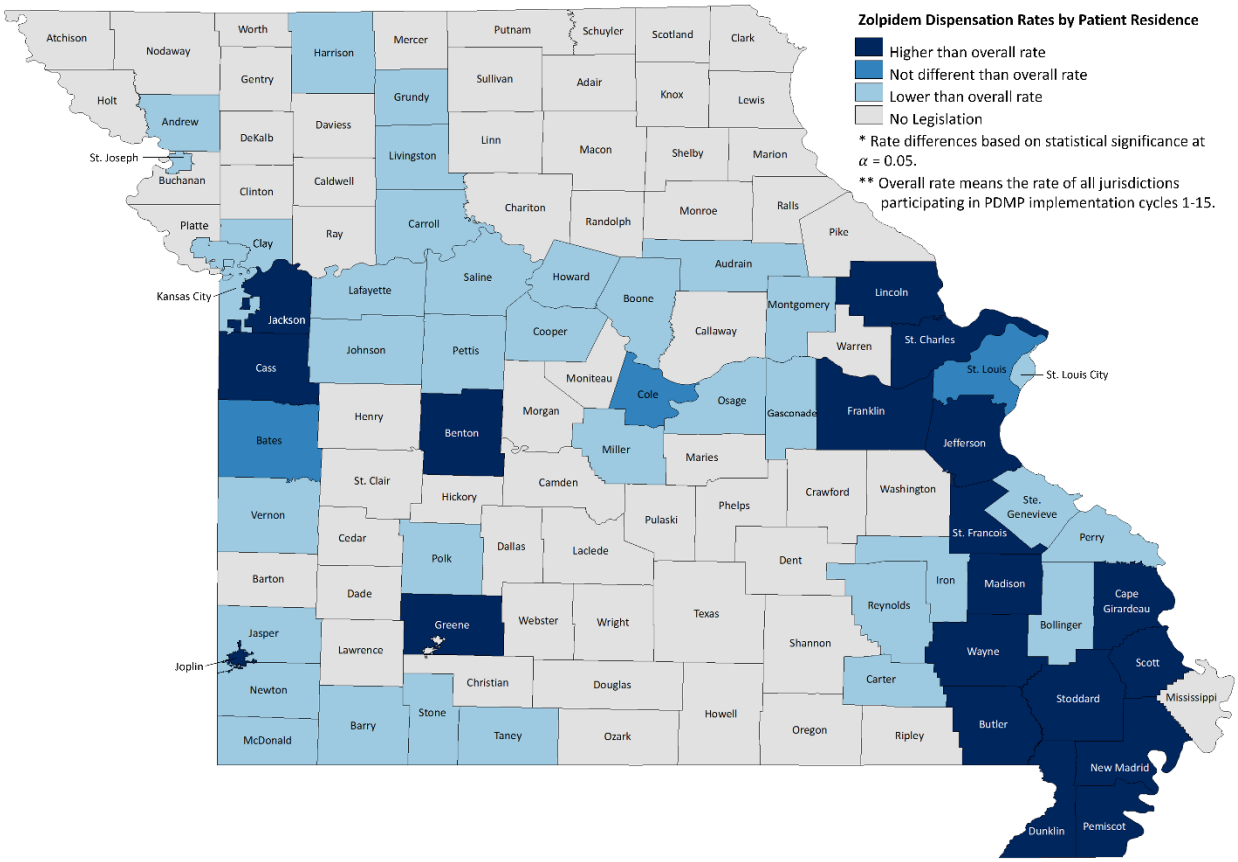
Zolpidem

Zolpidem is a sedative that is used to treat sleep disorders; examples of zolpidem include Ambien®, Edluar®, and Zolpimist®. **The average prescription length was 32.2 days for zolpidem.**

Dispensation Rates by Jurisdiction

The zolpidem dispensation rate of the total system was 94.2 prescriptions per 1,000 population – enough zolpidem prescriptions for 9% of residents to have received a zolpidem prescription in 2018. Pemiscot County residents received the highest rates of zolpidem dispensations (168.3 zolpidem prescriptions per 1,000 population). Barry County residents received the lowest rates of zolpidem prescriptions (24.1 zolpidem prescriptions per 1,000 population). When compared to the total system (all jurisdictions combined), 19 jurisdictions had significantly higher zolpidem dispensation rates; 35 jurisdictions had significantly lower rates; and 3 jurisdictions had zolpidem dispensation rates not significantly different than the overall system (Figure 23). Jurisdiction-specific rates can be found in Table 16.

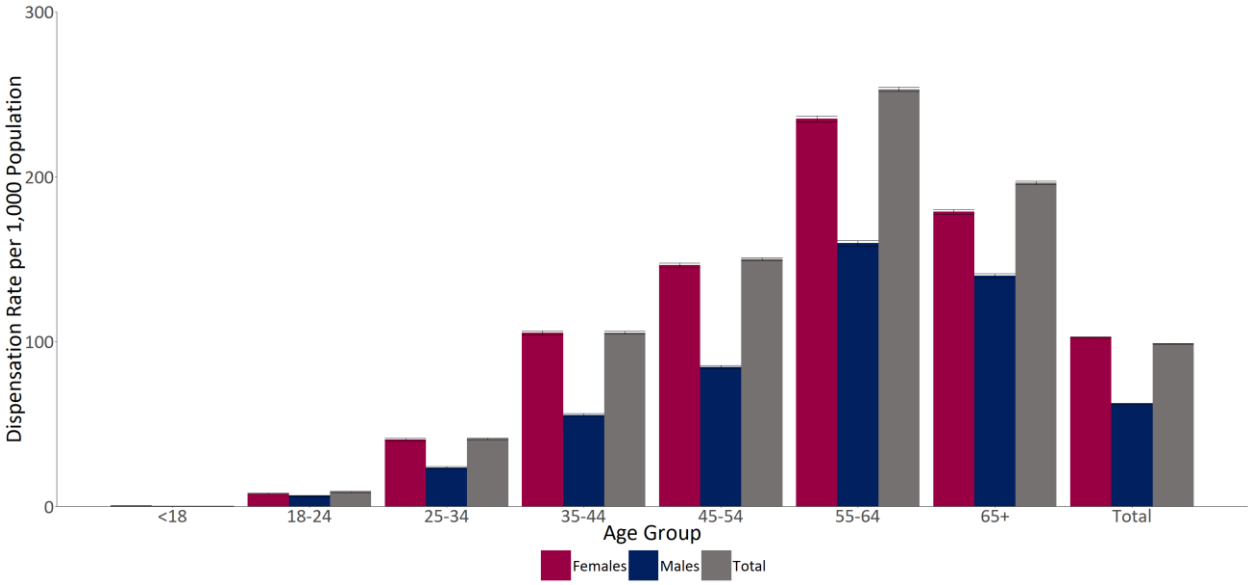
Figure 23. Zolpidem dispensation rates per 1,000 by patient residence.



Dispensation Rates by Age & Gender

When examining zolpidem dispensation rates, females received higher rates than males across all age groups as displayed in Figure 24. Females aged 55-64 years old had the highest rates of zolpidem prescriptions (239.8 zolpidem prescriptions per 1,000 population) – **enough for 25% of females aged 55-64 to have received a zolpidem prescription in 2018.** Zolpidem dispensation rates increase as patient age increases with drastic jumps in dispensation rates from 18-24 to 25-34 year age groups and from 45-54 year olds to 55-64 year age groups, increases of 360% and 69%, respectively. Zolpidem rates by age and gender can be found in Table 16.

Figure 24. Zolpidem dispensation rates per 1,000 by age and gender.



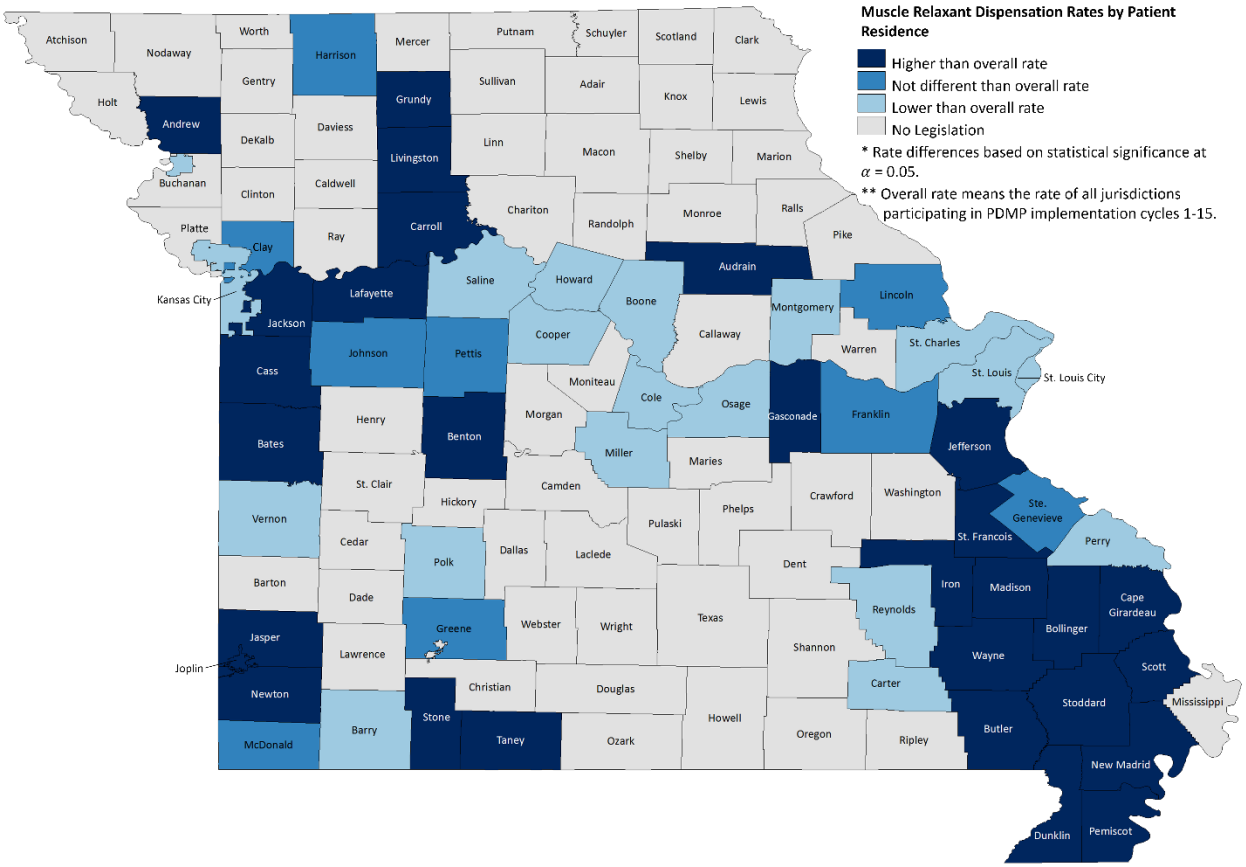
Muscle Relaxants

Muscle relaxants are medications used to treat muscle pain, spasms, or stiffness; carisoprodol (Soma®) is a commonly prescribed muscle relaxant. **The average prescription length was 27.9 days for muscle relaxants.**

Dispensation Rates by Jurisdiction

Muscle relaxants were the least frequently prescribed controlled substance**. The muscle relaxant dispensation rate of the total system was 11.9 prescriptions per 1,000 population – enough muscle relaxant prescriptions for 1% of residents received a muscle relaxant prescription in 2018**. Pemiscot County residents received the highest rates of muscle relaxant dispensations (41.5 muscle relaxant prescriptions per 1,000 population). Andrew County residents received the lowest rates of muscle relaxant prescriptions (3.0 muscle relaxant prescriptions per 1,000 population). When compared to the total system (all jurisdictions combined), 29 jurisdictions had significantly higher muscle relaxant dispensation rates; 18 jurisdictions received muscle relaxants at significantly lower rates than the total system; and 10 jurisdictions had muscle relaxant dispensation rates not significantly different than the overall system (Figure 25). Jurisdiction-specific rates can be found in Table 17.

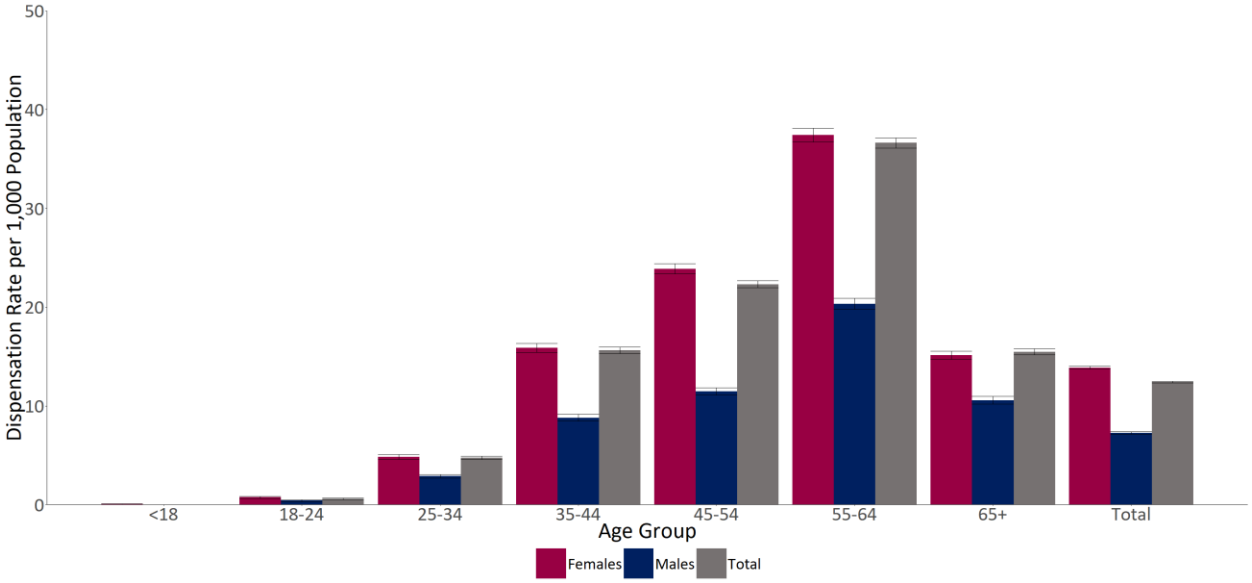
Figure 25. Muscle relaxant dispensation rates per 1,000 by patient residence.



Dispensation Rates by Age & Gender

When examining muscle relaxant dispensation rates, females received higher rates than males across all age groups as displayed in Figure 26. **Females aged 55-64 years old received the highest rates of muscle relaxants, more than 3 times the overall rate** (38.5 muscle relaxant prescription per 1,000 population). Muscle relaxant dispensation rates increase as patient age increases with a drastic increase from 45-54 year olds to 55-64 year olds (43% increase). From 55-64 year olds to those aged 65+, there was a 65% decrease in dispensation rates. Muscle relaxant rates by age and gender can be found in Table 17.

Figure 26. Muscle relaxant dispensation rates per 1,000 by age and gender.



Appendix A: Data Tables

Table 1. PDMP registration and utilization by quarter.

Quarter	# of Approved Users	Average # of Patient Searches per Day
Q2 2017	3,193	1,013
Q3 2017	4,317	1,222
Q4 2017	5,580	1,425
Q1 2018	6,576	2,548
Q2 2018	12,593	3,788
Q3 2018	13,435	4,582
Q4 2018	13,957	6,039
Q1 2019	14,656	7,097

Table 2. PDMP approved user counts by user type (as of 03/31/2019).

User Role	# of Approved Users	% of Approved Users
Physician (MD, DO)	8,519	58%
Pharmacist	3,771	26%
Delegate	1,840	13%
Dentist	345	2%
Podiatrist (DPM)	109	1%
Optometrist	43	0%
Other	29	0%

Table 3a. Schedule II-IV controlled substance dispensation rates per 1,000 population by jurisdiction, age, & gender; jurisdictions A-G.

Schedule II-IV	<18		18-24		25-34		35-44		45-54		55-64		65+		Total	
Jurisdictions A-G	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI
Andrew County	**427.0**	**(407.1, 446.8)**	**473.0**	**(435.8, 510.2)**	**815.7**	**(775.1, 856.3)**	**1134.7**	**(1090.2, 1179.1)**	**1175.9**	**(1134.9, 1216.8)**	**1809.7**	**(1755.1, 1864.2)**	**1836.3**	**(1785.0, 1887.6)**	**1085.3**	**(1069.8, 1100.9)**
Female	228.4	(207.5, 249.3)	498.6	(444.7, 552.4)	833.2	(775.7, 890.8)	1141.7	(1078.6, 1204.8)	1132.1	(1075.5, 1188.7)	1872.3	(1793.3, 1951.2)	1832.2	(1764.2, 1900.2)	1064.2	(1042.6, 1085.8)
Male	469.5	(440.5, 498.5)	320.5	(277.0, 363.9)	555.4	(507.6, 603.3)	679.5	(630.8, 728.1)	769.8	(722.8, 816.9)	1277.0	(1212.6, 1341.5)	1428.6	(1359.8, 1497.5)	784.4	(765.5, 803.2)
Audrain County	**519.5**	**(501.8, 537.3)**	**554.6**	**(522.6, 586.7)**	**970.5**	**(936.6, 1004.3)**	**1410.8**	**(1369.1, 1452.5)**	**1599.6**	**(1558.2, 1641.0)**	**2679.5**	**(2621.3, 2737.7)**	**2177.5**	**(2132.3, 2222.8)**	**1362.9**	**(1348.6, 1377.2)**
Female	322.9	(302.5, 343.3)	556.7	(513.7, 599.7)	1012.3	(967.6, 1057.0)	1532.6	(1475.1, 1590.2)	1957.6	(1894.9, 2020.4)	3124.1	(3036.7, 3211.5)	2221.1	(2161.3, 2280.8)	1476.0	(1455.7, 1496.3)
Male	684.9	(657.1, 712.8)	551.0	(503.1, 598.9)	862.0	(811.6, 912.4)	1241.0	(1181.4, 1300.7)	1188.4	(1136.3, 1240.6)	2178.5	(2103.0, 2254.0)	2093.4	(2024.5, 2162.4)	1216.5	(1196.6, 1236.4)
Barry County	**98.9**	**(92.3, 105.5)**	**129.0**	**(115.5, 142.5)**	**377.5**	**(357.6, 397.4)**	**548.0**	**(525.6, 570.4)**	**724.2**	**(701.3, 747.0)**	**1306.3**	**(1273.9, 1338.8)**	**1126.0**	**(1099.8, 1152.3)**	**619.3**	**(611.1, 627.4)**
Female	56.7	(49.6, 63.9)	137.2	(117.1, 157.4)	421.8	(392.3, 451.4)	661.3	(626.6, 696.0)	889.3	(853.1, 925.4)	1365.7	(1319.1, 1412.4)	1241.9	(1204.4, 1279.3)	694.3	(682.1, 706.5)
Male	136.7	(125.8, 147.6)	120.3	(102.3, 138.3)	321.9	(295.8, 348.1)	425.7	(397.6, 453.7)	556.7	(528.6, 584.8)	1226.4	(1181.7, 1271.1)	971.7	(935.6, 1007.8)	533.9	(523.1, 544.6)
Bates County	**270.6**	**(254.9, 286.2)**	**569.9**	**(527.7, 612.1)**	**1260.4**	**(1209.3, 1311.4)**	**1906.0**	**(1844.8, 1967.1)**	**1839.6**	**(1787.6, 1891.7)**	**3280.1**	**(3203.0, 3357.3)**	**2858.9**	**(2798.6, 2919.2)**	**1660.3**	**(1641.0, 1679.7)**
Female	174.1	(156.1, 192.1)	672.2	(606.8, 737.6)	1367.1	(1291.5, 1442.7)	2375.1	(2277.5, 2472.8)	2224.3	(2143.5, 2305.0)	3562.3	(3450.3, 3674.2)	3128.4	(3044.3, 3212.5)	1899.0	(1869.9, 1928.0)
Male	339.0	(314.6, 363.3)	410.5	(360.3, 460.7)	1003.2	(939.2, 1067.2)	1310.0	(1239.1, 1380.9)	1270.4	(1209.1, 1331.6)	2757.1	(2655.4, 2858.7)	2357.3	(2274.5, 2440.1)	1290.4	(1266.1, 1314.6)
Benton County	**242.9**	**(226.5, 259.4)**	**502.8**	**(460.5, 545.1)**	**1106.6**	**(1050.9, 1162.3)**	**1596.2**	**(1539.1, 1653.3)**	**1954.0**	**(1903.0, 2005.0)**	**2574.8**	**(2521.4, 2628.3)**	**2239.9**	**(2198.1, 2281.6)**	**1653.9**	**(1635.6, 1672.1)**
Female	140.9	(122.9, 158.9)	622.8	(554.8, 690.9)	1433.2	(1343.3, 1523.1)	1780.4	(1696.1, 1864.8)	2215.5	(2138.0, 2293.1)	2623.2	(2547.9, 2698.5)	2571.8	(2508.9, 2634.8)	1834.7	(1807.5, 1862.0)
Male	321.7	(295.2, 348.1)	322.6	(275.6, 369.6)	677.8	(616.3, 739.3)	1313.8	(1239.8, 1387.8)	1523.7	(1460.7, 1586.7)	2336.7	(2263.7, 2409.7)	1806.1	(1752.8, 1859.3)	1364.7	(1341.3, 1388.2)
Bollinger County	**497.4**	**(471.8, 523.0)**	**430.5**	**(388.9, 472.1)**	**1069.1**	**(1012.3, 1125.9)**	**1739.4**	**(1673.1, 1805.8)**	**2250.6**	**(2184.1, 2317.2)**	**3513.3**	**(3423.9, 3602.7)**	**3031.6**	**(2956.4, 3106.8)**	**1814.2**	**(1790.5, 1837.9)**
Female	272.7	(245.6, 299.9)	402.5	(345.6, 459.5)	1181.1	(1095.0, 1267.1)	1781.5	(1687.7, 1875.3)	2438.9	(2339.9, 2537.8)	3558.9	(3431.4, 3686.4)	3467.5	(3357.0, 3578.0)	1910.5	(1876.0, 1944.9)
Male	658.9	(617.8, 700.0)	418.8	(360.9, 476.6)	877.5	(806.0, 948.9)	1543.4	(1453.7, 1633.0)	1908.5	(1822.6, 1994.3)	3283.0	(3161.1, 3405.0)	2383.3	(2286.0, 2480.5)	1599.3	(1567.8, 1630.8)
Boone County	**436.5**	**(429.5, 443.5)**	**393.2**	**(386.6, 399.9)**	**1189.0**	**(1175.4, 1202.6)**	**1763.8**	**(1744.7, 1782.9)**	**1877.0**	**(1857.9, 1896.1)**	**2779.9**	**(2754.1, 2805.6)**	**3126.8**	**(3098.6, 3155.0)**	**1350.7**	**(1345.1, 1356.4)**
Female	231.5	(224.2, 238.9)	378.4	(369.4, 387.4)	1326.3	(1305.9, 1346.7)	2044.4	(2015.7, 2073.2)	2134.0	(2105.9, 2162.1)	3047.1	(3009.7, 3084.5)	3364.1	(3325.4, 3402.7)	1470.6	(1462.4, 1478.9)
Male	613.5	(601.9, 625.1)	388.7	(379.1, 398.3)	992.8	(975.3, 1010.3)	1389.4	(1365.2, 1413.6)	1534.9	(1509.9, 1559.9)	2377.7	(2343.3, 2412.1)	2714.7	(2674.4, 2755.0)	1170.7	(1163.1, 1178.2)
Butler County	**453.7**	**(440.5, 466.9)**	**616.7**	**(590.8, 642.5)**	**1679.4**	**(1643.5, 1715.2)**	**2565.4**	**(2521.7, 2609.1)**	**2720.9**	**(2680.0, 2761.8)**	**3777.6**	**(3726.7, 3828.4)**	**3029.6**	**(2989.6, 3069.6)**	**2068.7**	**(2055.1, 2082.3)**
Female	244.9	(230.9, 258.8)	671.0	(632.8, 709.2)	2031.0	(1976.7, 2085.2)	2900.3	(2835.3, 2965.3)	3001.2	(2941.3, 3061.2)	4049.4	(3976.6, 4122.2)	3085.2	(3031.6, 3138.9)	2238.2	(2218.5, 2257.9)
Male	465.5	(446.8, 484.2)	369.3	(341.0, 397.6)	914.1	(875.5, 952.6)	1628.9	(1579.1, 1678.7)	1730.9	(1684.0, 1777.7)	2592.9	(2531.8, 2654.0)	2043.9	(1993.9, 2093.8)	1353.3	(1337.5, 1369.2)
Cape Girardeau County	**427.3**	**(417.4, 437.3)**	**417.1**	**(404.8, 429.4)**	**1286.2**	**(1263.4, 1309.0)**	**2014.3**	**(1984.7, 2043.9)**	**2194.4**	**(2165.9, 2222.9)**	**3277.1**	**(3239.6, 3314.6)**	**3434.3**	**(3399.4, 3469.2)**	**1729.3**	**(1720.0, 1738.7)**
Female	241.5	(230.8, 252.1)	346.0	(330.5, 361.5)	1318.7	(1286.0, 1351.5)	2004.5	(1963.0, 2045.9)	2382.4	(2340.8, 2424.0)	3388.6	(3335.5, 3441.8)	3663.8	(3616.5, 3711.0)	1801.9	(1788.6, 1815.2)
Male	496.5	(481.5, 511.5)	340.4	(324.3, 356.5)	965.4	(937.5, 993.3)	1568.4	(1531.2, 1605.6)	1598.9	(1564.3, 1633.5)	2610.8	(2562.8, 2658.9)	2645.0	(2597.6, 2692.3)	1334.2	(1322.4, 1346.1)
Carroll County	**212.0**	**(192.7, 231.3)**	**403.5**	**(354.5, 452.6)**	**422.3**	**(381.9, 462.8)**	**888.2**	**(833.3, 943.2)**	**1016.4**	**(962.0, 1070.9)**	**1204.2**	**(1143.2, 1265.1)**	**1246.3**	**(1194.4, 1298.2)**	**774.6**	**(756.7, 792.5)**
Female	111.0	(91.1, 130.8)	290.4	(232.0, 348.8)	328.0	(278.4, 377.5)	945.2	(865.5, 1025.0)	945.7	(870.9, 1020.4)	1167.4	(1082.0, 1252.8)	1044.0	(980.8, 1107.3)	693.8	(670.1, 717.4)
Male	193.4	(167.6, 219.3)	336.3	(272.5, 400.2)	213.0	(171.6, 254.4)	367.2	(316.9, 417.5)	545.3	(489.2, 601.3)	602.9	(542.2, 663.5)	713.9	(654.5, 773.3)	424.5	(405.6, 443.5)
Carter County	**197.2**	**(174.8, 219.6)**	**245.5**	**(203.2, 287.8)**	**655.6**	**(593.4, 717.8)**	**995.9**	**(924.3, 1067.6)**	**1257.9**	**(1186.2, 1329.6)**	**1743.6**	**(1654.5, 1832.6)**	**1821.0**	**(1738.9, 1903.0)**	**981.3**	**(956.8, 1005.8)**
Female	100.1	(77.8, 122.4)	270.2	(208.7, 331.6)	906.9	(802.4, 1011.4)	1071.9	(967.7, 1176.2)	1573.9	(1459.3, 1688.6)	1836.6	(1710.7, 1962.5)	1923.6	(1808.5, 2038.7)	1078.5	(1042.6, 1114.4)
Male	249.6	(213.6, 285.6)	137.5	(91.8, 183.1)	390.4	(323.2, 457.7)	839.9	(746.2, 933.7)	826.6	(745.3, 908.0)	1430.6	(1313.4, 1547.8)	1544.7	(1433.8, 1655.7)	776.2	(744.9, 807.4)
Cass County	**474.0**	**(465.7, 482.3)**	**844.5**	**(823.8, 865.2)**	**1351.9**	**(1331.2, 1372.6)**	**1917.8**	**(1894.2, 1941.4)**	**2152.1**	**(2128.8, 2175.4)**	**3536.4**	**(3501.8, 3570.9)**	**2855.8**	**(2827.2, 2884.3)**	**1732.7**	**(1724.5, 1740.9)**
Female	199.1	(191.4, 206.8)	569.5	(545.0, 593.9)	952.4	(928.2, 976.6)	1582.9	(1552.9, 1613.0)	1820.0	(1789.9, 1850.1)	2917.3	(2873.9, 2960.6)	2733.4	(2696.1, 2770.7)	1443.3	(1432.9, 1453.8)
Male	400.9	(390.1, 411.6)	469.5	(448.1, 491.0)	703.1	(681.6, 724.6)	953.5	(929.8, 977.2)	1124.9	(1100.9, 1148.8)	2062.5	(2024.3, 2100.8)	1783.6	(1749.6, 1817.6)	983.4	(974.5, 992.2)
Clay County	**375.2**	**(368.0, 382.4)**	**731.1**	**(713.3, 749.0)**	**976.2**	**(960.7, 991.8)**	**1586.1**	**(1566.3, 1605.9)**	**1927.3**	**(1905.8, 1948.8)**	**2830.5**	**(2800.7, 2860.2)**	**2841.5**	**(2811.6, 2871.4)**	**1449.5**	**(1442.4, 1456.7)**
Female	159.0	(152.3, 165.7)	516.7	(495.5, 537.9)	781.6	(762.1, 801.0)	1339.4	(1313.9, 1364.9)	1635.6	(1607.8, 1663.3)	2222.9	(2186.5, 2259.3)	2427.6	(2391.1, 2464.1)	1186.4	(1177.3, 1195.4)
Male	323.5	(314.2, 332.8)	439.7	(420.0, 459.3)	594.8	(577.5, 612.1)	807.8	(787.7, 827.8)	963.8	(942.2, 985.5)	1702.5	(1669.1, 1736.0)	1811.1	(1774.6, 1847.6)	836.6	(828.8, 844.4)
Cole County	**551.0**	**(540.2, 561.9)**	**555.6**	**(538.1, 573.1)**	**1002.6**	**(983.4, 1021.8)**	**1454.1**	**(1430.8, 1477.4)**	**1726.1**	**(1702.1, 1750.1)**	**2525.2**	**(2493.4, 2557.1)**	**3010.6**	**(2975.4, 3045.8)**	**1463.8**	**(1455.2, 1472.4)**
Female	339.9	(327.8, 352.0)	552.4	(527.5, 577.3)	1324.4	(1292.0, 1356.9)	1823.9	(1785.4, 1862.5)	2082.8	(2045.0, 2120.6)	2818.5	(2771.0, 2866.0)	3238.8	(3190.7, 3286.8)	1661.3	(1648.3, 1674.3)
Male	685.4	(668.3, 702.4)	492.3	(469.1, 515.5)	640.3	(619.5, 661.2)	993.7	(967.4, 1019.9)	1258.7	(1230.1, 1287.3)	2004.8	(1964.6, 2045.0)	2517.4	(2467.8, 2566.9)	1146.3	(1135.6, 1157.0)
Cooper County	**234.5**	**(219.4, 249.5)**	**299.9**	**(273.9, 326.0)**	**575.0**	**(544.7, 605.3)**	**1135.0**	**(1089.1, 1180.9)**	**1038.4**	**(999.3, 1077.5)**	**1599.8**	**(1546.3, 1653.4)**	**1162.8**	**(1122.2, 1203.5)**	**820.9**	**(807.5, 834.3)**
Female	117.0	(101.7, 132.3)	475.7	(419.4, 532.0)	943.5	(881.9, 1005.1)	1474.5	(1398.5, 1550.5)	1348.5	(1284.7, 1412.4)	2022.8	(1938.6, 2106.9)	1281.7	(1225.0, 1338.4)	1049.0	(1027.0, 1070.9)
Male	316.1	(291.8, 340.5)	196.3	(170.3, 222.2)	310.1	(281.5, 338.8)	724.0	(673.4, 774.6)	637.2	(594.3, 680.0)	995.2	(934.8, 1055.7)	930.0	(874.8, 985.2)	549.0	(534.0, 564.1)
Dunklin County	**768.2**	**(749.1, 787.3)**	**527.2**	**(499.4, 554.9)**	**1753.6**	**(1710.4, 1796.8)**	**2859.1**	**(2806.1, 2912.0)**	**3809.2**	**(3751.7, 3866.7)**	**4798.3**	**(4730.6, 4866.0)**	**3492.2**	**(3441.7, 3542.6)**	**2493.5**	**(2476.2, 2510.8)**
Female	403.2	(383.3, 423.1)	586.1	(545.5, 626.7)	2363.9	(2294.6, 2433.3)	3512.6	(3430.7, 3594.5)	4566.4	(4478.3, 4654.4)	5112.9	(5016.8, 5209.1)	3741.8	(3673.2, 3810.5)	2800.1	(2774.7, 2825.6)
Male	1100.0	(1068.2, 1131.8)	450.5	(413.4, 487.5)	1050.9	(1002.4, 1099.3)	2136.2	(2070.6, 2201.8)	2947.5	(2875.1, 3019.8)	4387.6	(4293.4, 4481.8)	3096.8	(3023.6, 3170.0)	2125.5	(2102.5, 2148.6)
Franklin County	**556.8**	**(547.6, 566.1)**	**697.2**	**(679.4, 715.0)**	**1434.3**	**(1412.7, 1455.9)**	**1791.8**	**(1769.0, 1814.7)**	**2071.7**	**(2049.9, 2093.6)**	**3616.9**	**(3583.4, 3650.5)**	**3010.3**	**(2981.5, 3039.0)**	**1789.2**	**(1781.0, 1797.4)**
Female	303.2	(293.5, 313.0)	715.0	(689.1, 740.8)	1565.2	(1533.0, 1597.3)	1928.7	(1895.3, 1962.0)	2322.9	(2290.1, 2355.7)	3655.1	(3607.7, 3702.6)	3098.0	(3059.1, 3136.9)	1855.8	(1844.0, 1867.6)
Male	665.3	(651.2, 679.3)	561.0	(538.7, 583.4)	1076.0	(1049.8, 1102.3)	1275.2	(1247.7, 1302.6)	1502.7	(1476.4, 1529.0)	3004.8	(2961.3, 3048.4)	2428.6	(2389.6, 2467.6)	1421.5	(1411.1, 1431.9)
Gasconade County	**434.3**	**(412.0, 456.6)**	**387.5**	**(349.7, 425.3)**	**1159.0**	**(1104.1, 1213.9)**	**1480.9**	**(1423.6, 1538.3)**	**1379.9**	**(1333.4, 1426.3)**	**2411.6**	**(2345.0, 2478.1)**	**2066.9**	**(2016.0, 2117.9)**	**1373.1**	**(1354.5, 1391.8)**
Female	265.3	(240.7, 289.9)	394.9	(340.3, 449.5)	1411.8	(1325.6, 1497.9)	1722.4	(1635.0, 1809.7)	1657.7	(1584.5, 1730.9)	2600.2	(2503.0, 2697.4)	2439.5	(2365.8, 2513.2)	1559.8	(1532.1, 1587.6)
Male	597.7	(560.8, 634.7)	376.6	(324.4, 428.8)	872.8	(805.8, 939.8)	1227.4	(1153.4, 1301.3)	1065.5	(1008.7, 1122.3)	2167.3	(2077.6, 2257.0)	1539.3	(1472.8, 1605.9)	1147.9	(1123.6, 1172.2)
Greene County	**437.2**	**(431.7, 442.8)**	**406.0**	**(399.4, 412.5)**	**1280.5**	**(1268.9, 1292.1)**	**2031.9**	**(2016.0, 2047.9)**	**2275.6**	**(2259.9, 2291.4)**	**3338.0**	**(3317.6, 3358.5)**	**3080.7**	**(3062.9, 3098.6)**	**1703.0**	**(1698.0, 1708.0)**
Female	259.6	(253.5, 265.8)	401.1	(392.1, 410.1)	1510.2	(1492.0, 1528.4)	2356.6	(2331.9, 2381.2)	2554.2	(2530.7, 2577.6)	3415.7	(3387.1, 3444.2)	3266.7	(3242.6, 3290.8)	1855.9	(1848.6, 1863.2)
Male	550.5	(541.8, 559.2)	334.8	(326.2, 343.4)	905.6	(892.1, 919.2)	1434.6	(1415.9, 1453.4)	1678.6	(1659.3, 1698.0)	2768.8	(2741.7, 2795.9)	2418.2	(2393.6, 2442.8)	1314.8	(1308.5, 1321.1)
Grundy County	**287.8**	**(266.6, 309.0)**	**191.4**	**(163.6, 219.2)**	**889.8**	**(831.8, 947.8)**	**1503.8**	**(1430.1, 1577.4)**	**1784.5**	**(1714.8, 1854.1)**	**2826.6**	**(2733.3, 2920.0)**	**2509.5**	**(2441.8, 2577.3)**	**1434.2**	**(1411.0, 1457.3)**
Female	140.7	(120.2, 161.3)	222.2	(178.7, 265.8)	1255.8	(1159.5, 1352.1)	1981.5	(1862.9, 2100.1)	2241.5	(2131.2, 2351.8)	3299.5	(3157.8, 3441.3)	3004.1	(2907.2, 3100.9)	1746.2	(1710.8, 1781.5)
Male	444.5	(406.5, 482.6)	157.7	(122.9, 192.5)	487.9	(426.4, 549.4)	996.2	(910.8, 1081.6)	1284.3	(1200.8, 1367.8)	2313.8	(2193.6, 2434.0)	1800.0	(1710.8, 1889.2)	1075.8	(1046.7, 1104.8)

Table 3b. Schedule II-IV controlled substance dispensation rates per 1,000 population by jurisdiction, age, & gender; jurisdictions H-O.

Schedule II-IV	<18		18-24		25-34		35-44		45-54		55-64		65+		Total	
Jurisdictions H-O	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI
Harrison County	**165.0**	**(148.1, 181.9)**	**137.0**	**(108.5, 165.6)**	**447.0**	**(404.0, 490.0)**	**858.2**	**(799.1, 917.3)**	**542.7**	**(502.5, 582.9)**	**1186.5**	**(1121.4, 1251.5)**	**788.3**	**(747.9, 828.7)**	**571.5**	**(555.8, 587.2)**
Female	129.8	(107.9, 151.8)	151.8	(110.1, 193.5)	580.5	(511.5, 649.5)	816.5	(733.8, 899.3)	805.3	(735.7, 874.9)	1269.2	(1173.2, 1365.3)	847.2	(791.5, 903.0)	643.4	(620.0, 666.8)
Male	193.3	(168.3, 218.3)	121.0	(82.2, 159.8)	277.6	(229.4, 325.9)	882.1	(798.5, 965.7)	278.0	(237.5, 318.5)	1079.8	(992.9, 1166.6)	674.7	(618.1, 731.4)	481.7	(461.3, 502.1)
Howard County	**371.4**	**(345.8, 397.0)**	**234.6**	**(208.9, 260.3)**	**837.7**	**(783.6, 891.9)**	**1437.2**	**(1365.5, 1508.9)**	**1227.7**	**(1172.2, 1283.1)**	**2477.5**	**(2391.5, 2563.4)**	**1975.8**	**(1907.1, 2044.4)**	**1167.7**	**(1146.7, 1188.7)**
Female	151.7	(128.2, 175.2)	289.2	(248.3, 330.1)	1127.3	(1038.5, 1216.0)	1649.1	(1539.7, 1758.4)	1435.7	(1350.6, 1520.8)	2737.7	(2610.3, 2865.1)	2173.4	(2076.7, 2270.0)	1304.5	(1273.2, 1335.9)
Male	577.0	(532.6, 621.5)	177.1	(146.0, 208.3)	539.3	(477.8, 600.8)	1212.8	(1120.4, 1305.3)	1006.5	(935.7, 1077.3)	2164.1	(2050.1, 2278.0)	1710.5	(1614.6, 1806.4)	1014.1	(986.3, 1041.9)
Iron County	**444.1**	**(417.4, 470.7)**	**403.4**	**(360.1, 446.8)**	**896.9**	**(841.7, 952.1)**	**1703.7**	**(1631.9, 1775.4)**	**1908.1**	**(1840.7, 1975.5)**	**2976.1**	**(2888.4, 3063.8)**	**2027.1**	**(1963.1, 2091.2)**	**1499.1**	**(1475.8, 1522.4)**
Female	285.1	(254.6, 315.7)	423.9	(359.9, 488.0)	941.5	(861.7, 1021.3)	2058.9	(1946.0, 2171.8)	1935.6	(1839.6, 2031.5)	3356.7	(3226.0, 3487.4)	2192.5	(2103.2, 2281.7)	1622.4	(1588.4, 1656.5)
Male	592.3	(549.2, 635.4)	372.8	(315.0, 430.7)	783.0	(709.8, 856.2)	1162.3	(1079.5, 1245.2)	1765.0	(1673.4, 1856.6)	2488.1	(2373.8, 2602.4)	1729.3	(1640.4, 1818.1)	1292.7	(1261.9, 1323.4)
Jackson County (exc. Kansas City)	**515.4**	**(510.7, 520.0)**	**696.4**	**(687.7, 705.2)**	**1211.2**	**(1202.0, 1220.5)**	**2146.0**	**(2132.8, 2159.1)**	**2206.6**	**(2194.1, 2219.1)**	**3319.6**	**(3302.4, 3336.9)**	**2981.9**	**(2966.2, 2997.7)**	**1721.3**	**(1717.1, 1725.5)**
Female	216.2	(211.9, 220.5)	484.7	(474.5, 495.0)	945.8	(934.3, 957.3)	1750.2	(1733.5, 1766.9)	1792.2	(1776.6, 1807.9)	2560.3	(2539.5, 2581.2)	2556.5	(2537.5, 2575.5)	1374.8	(1369.5, 1380.0)
Male	459.3	(453.1, 465.4)	403.6	(394.0, 413.1)	641.4	(631.7, 651.0)	1053.1	(1040.0, 1066.1)	1116.8	(1104.1, 1129.5)	1795.6	(1777.1, 1814.1)	1808.0	(1789.0, 1827.1)	950.1	(945.6, 954.6)
Jasper County (inc. Joplin City)	**452.0**	**(444.5, 459.6)**	**445.0**	**(433.2, 456.9)**	**1052.9**	**(1037.1, 1068.7)**	**1818.3**	**(1796.3, 1840.3)**	**2141.8**	**(2119.0, 2164.7)**	**3416.7**	**(3384.8, 3448.6)**	**2887.4**	**(2860.9, 2914.0)**	**1513.8**	**(1506.8, 1520.8)**
Female	272.0	(263.6, 280.4)	483.4	(466.1, 500.7)	1147.1	(1123.6, 1170.6)	2038.4	(2005.6, 2071.2)	2459.3	(2424.8, 2493.7)	3694.1	(3648.3, 3739.9)	3094.9	(3058.7, 3131.1)	1724.8	(1714.3, 1735.3)
Male	594.3	(582.1, 606.4)	365.5	(350.2, 380.8)	860.6	(840.5, 880.7)	1419.3	(1391.7, 1447.0)	1618.6	(1590.3, 1646.8)	2797.8	(2755.9, 2839.6)	2371.5	(2334.4, 2408.5)	1292.4	(1283.1, 1301.7)
Jefferson County	**704.1**	**(697.1, 711.1)**	**874.6**	**(861.0, 888.2)**	**1591.9**	**(1577.2, 1606.6)**	**2353.3**	**(2336.0, 2370.6)**	**2494.3**	**(2477.9, 2510.6)**	**4235.6**	**(4210.9, 4260.3)**	**3680.6**	**(3656.5, 3704.7)**	**2117.2**	**(2111.1, 2123.3)**
Female	400.1	(392.5, 407.7)	859.2	(839.9, 878.5)	1706.8	(1685.3, 1728.4)	2545.8	(2520.5, 2571.2)	2684.1	(2660.1, 2708.1)	4327.3	(4292.2, 4362.3)	3899.9	(3866.5, 3933.2)	2188.4	(2179.6, 2197.1)
Male	827.8	(817.2, 838.4)	675.5	(658.8, 692.2)	1190.9	(1173.0, 1208.9)	1646.1	(1625.6, 1666.7)	1815.0	(1795.4, 1834.7)	3369.3	(3337.8, 3400.7)	2739.0	(2707.9, 2770.0)	1635.7	(1628.1, 1643.3)
Johnson County	**286.5**	**(276.9, 296.0)**	**231.5**	**(222.3, 240.8)**	**805.8**	**(784.5, 827.0)**	**1520.4**	**(1488.5, 1552.3)**	**1549.6**	**(1519.9, 1579.4)**	**2585.5**	**(2541.3, 2629.7)**	**2228.7**	**(2189.8, 2267.7)**	**1070.7**	**(1061.8, 1079.5)**
Female	187.1	(176.1, 198.2)	235.4	(222.1, 248.8)	917.7	(884.9, 950.4)	1727.1	(1679.2, 1775.1)	1627.2	(1584.0, 1670.3)	2763.9	(2699.5, 2828.2)	2125.8	(2073.6, 2177.9)	1121.5	(1108.6, 1134.4)
Male	317.5	(303.4, 331.6)	185.9	(174.4, 197.3)	552.3	(528.0, 576.6)	1021.1	(984.0, 1058.2)	1091.3	(1056.1, 1126.6)	1802.1	(1749.8, 1854.4)	1926.7	(1873.8, 1979.6)	798.1	(787.3, 808.8)
Joplin City (in Jasper & Newton Counties)	**676.8**	**(661.7, 692.0)**	**525.6**	**(507.9, 543.3)**	**1467.1**	**(1439.2, 1494.9)**	**2578.9**	**(2537.8, 2620.0)**	**3148.4**	**(3104.9, 3191.9)**	**5336.8**	**(5275.4, 5398.1)**	**3953.2**	**(3907.9, 3998.5)**	**2154.9**	**(2142.0, 2167.7)**
Female	406.8	(390.0, 423.5)	560.0	(534.6, 585.3)	1529.7	(1489.0, 1570.4)	2899.6	(2838.0, 2961.1)	3474.1	(3410.3, 3537.9)	5611.3	(5525.4, 5697.1)	3950.1	(3892.1, 4008.1)	2438.5	(2419.6, 2457.5)
Male	857.0	(833.1, 880.9)	419.1	(396.3, 441.9)	1217.0	(1181.6, 1252.4)	1917.0	(1866.9, 1967.2)	2323.7	(2270.0, 2377.3)	4273.2	(4192.5, 4354.0)	3448.9	(3381.4, 3516.4)	1846.5	(1829.3, 1863.6)
Kansas City	**388.3**	**(384.6, 391.9)**	**572.8**	**(565.9, 579.7)**	**1114.3**	**(1106.8, 1121.9)**	**1670.8**	**(1660.5, 1681.1)**	**1772.5**	**(1762.3, 1782.8)**	**2810.5**	**(2795.9, 2825.0)**	**2536.8**	**(2523.0, 2550.7)**	**1395.6**	**(1392.2, 1399.0)**
Female	149.5	(146.3, 152.7)	352.6	(345.1, 360.2)	741.5	(732.9, 750.2)	1148.6	(1136.6, 1160.7)	1244.4	(1232.4, 1256.5)	2012.3	(1995.3, 2029.3)	1864.0	(1848.5, 1879.4)	972.9	(968.9, 976.9)
Male	298.6	(294.1, 303.1)	289.1	(282.0, 296.2)	547.1	(539.6, 554.6)	744.4	(734.8, 754.1)	817.8	(807.9, 827.7)	1435.6	(1420.4, 1450.7)	1365.7	(1349.9, 1381.6)	696.8	(693.3, 700.2)
Lafayette County	**335.8**	**(323.3, 348.4)**	**548.7**	**(520.4, 576.9)**	**1279.4**	**(1242.7, 1316.0)**	**1601.6**	**(1562.9, 1640.3)**	**1984.1**	**(1945.8, 2022.5)**	**2701.4**	**(2651.2, 2751.7)**	**1896.2**	**(1859.8, 1932.6)**	**1415.8**	**(1403.1, 1428.6)**
Female	174.3	(161.3, 187.2)	529.9	(489.8, 570.0)	1372.9	(1319.0, 1426.7)	1630.9	(1576.4, 1685.4)	2099.3	(2043.2, 2155.5)	2495.6	(2428.2, 2563.0)	1964.0	(1914.4, 2013.6)	1417.4	(1399.4, 1435.3)
Male	403.8	(384.6, 423.0)	414.6	(380.5, 448.6)	823.7	(782.2, 865.1)	1062.8	(1017.6, 1108.0)	1374.0	(1329.2, 1418.8)	2155.9	(2091.6, 2220.3)	1345.2	(1299.1, 1391.4)	1037.5	(1021.9, 1053.0)
Lincoln County	**597.3**	**(584.8, 609.8)**	**849.3**	**(821.7, 876.9)**	**1588.2**	**(1558.5, 1617.8)**	**2259.5**	**(2224.3, 2294.8)**	**2552.8**	**(2518.4, 2587.2)**	**4371.9**	**(4317.4, 4426.5)**	**3612.6**	**(3563.3, 3661.9)**	**2011.1**	**(1999.0, 2023.2)**
Female	357.7	(343.8, 371.5)	919.8	(879.4, 960.3)	1900.7	(1855.2, 1946.1)	2840.1	(2784.0, 2896.2)	2948.9	(2896.4, 3001.4)	4665.8	(4586.6, 4745.1)	4010.1	(3939.3, 4080.8)	2234.8	(2216.7, 2252.8)
Male	762.2	(742.6, 781.9)	704.2	(668.5, 739.9)	1075.9	(1041.0, 1110.8)	1468.1	(1428.0, 1508.3)	1970.0	(1927.5, 2012.4)	3706.5	(3635.1, 3777.9)	2949.5	(2884.0, 3015.1)	1619.5	(1604.1, 1634.9)
Livingston County	**341.2**	**(321.4, 361.1)**	**463.0**	**(424.1, 501.9)**	**1023.4**	**(978.2, 1068.7)**	**1543.0**	**(1487.6, 1598.4)**	**1972.4**	**(1913.0, 2031.9)**	**3035.2**	**(2957.5, 3112.8)**	**2901.7**	**(2838.2, 2965.1)**	**1628.2**	**(1607.9, 1648.5)**
Female	143.7	(125.5, 161.9)	576.8	(516.6, 637.0)	1006.1	(948.0, 1064.2)	1605.5	(1531.7, 1679.3)	2236.9	(2152.4, 2321.4)	3404.3	(3291.3, 3517.3)	3387.9	(3297.9, 3477.9)	1808.8	(1780.0, 1837.6)
Male	529.8	(494.8, 564.9)	310.8	(264.8, 356.9)	1015.5	(944.5, 1086.4)	1421.6	(1338.8, 1504.4)	1571.4	(1491.2, 1651.7)	2582.0	(2477.5, 2686.4)	2198.3	(2113.0, 2283.6)	1374.1	(1346.2, 1401.9)
Madison County	**676.9**	**(647.1, 706.7)**	**586.5**	**(539.8, 633.1)**	**1670.1**	**(1601.2, 1739.1)**	**2476.4**	**(2393.8, 2558.9)**	**3046.3**	**(2966.5, 3126.2)**	**4464.6**	**(4358.2, 4571.1)**	**3384.4**	**(3306.9, 3461.9)**	**2288.6**	**(2261.7, 2315.4)**
Female	371.0	(339.3, 402.8)	692.9	(621.4, 764.4)	1971.6	(1865.3, 2078.0)	2800.6	(2677.6, 2923.5)	3854.5	(3728.2, 3980.8)	4723.0	(4569.4, 4876.6)	3841.9	(3731.1, 3952.7)	2578.1	(2538.2, 2618.0)
Male	912.9	(864.8, 961.0)	453.3	(395.1, 511.5)	1300.4	(1214.7, 1386.2)	2040.9	(1933.9, 2148.0)	2100.3	(2006.0, 2194.6)	4049.7	(3905.1, 4194.3)	2738.9	(2634.4, 2843.3)	1906.6	(1871.7, 1941.6)
McDonald County	**175.6**	**(165.4, 185.8)**	**221.9**	**(201.0, 242.9)**	**492.2**	**(465.9, 518.4)**	**800.7**	**(768.7, 832.6)**	**1223.2**	**(1186.0, 1260.4)**	**1785.1**	**(1733.9, 1836.2)**	**1720.1**	**(1672.3, 1768.0)**	**829.0**	**(817.2, 840.7)**
Female	92.7	(82.0, 103.3)	247.3	(215.0, 279.5)	626.6	(584.5, 668.6)	959.3	(909.6, 1008.9)	1416.7	(1359.5, 1473.8)	1939.9	(1864.6, 2015.2)	1918.0	(1848.7, 1987.2)	933.8	(916.1, 951.5)
Male	251.3	(234.4, 268.3)	190.7	(164.0, 217.4)	342.8	(311.9, 373.6)	631.6	(591.7, 671.6)	1000.6	(953.4, 1047.8)	1550.8	(1483.3, 1618.3)	1471.5	(1406.8, 1536.2)	704.5	(689.3, 719.7)
Miller County	**204.3**	**(193.0, 215.6)**	**314.4**	**(289.3, 339.6)**	**568.8**	**(540.8, 596.7)**	**848.4**	**(815.7, 881.0)**	**1192.0**	**(1157.0, 1227.0)**	**1829.6**	**(1782.8, 1876.5)**	**1749.8**	**(1708.3, 1791.3)**	**936.8**	**(924.8, 948.9)**
Female	110.8	(98.9, 122.8)	328.0	(291.2, 364.8)	615.1	(573.9, 656.2)	1110.5	(1057.7, 1163.3)	1270.4	(1219.4, 1321.5)	2149.2	(2077.7, 2220.7)	2007.0	(1946.9, 2067.1)	1071.3	(1053.1, 1089.5)
Male	285.1	(266.5, 303.6)	290.3	(256.4, 324.1)	468.1	(432.3, 504.0)	558.2	(520.7, 595.6)	1084.3	(1037.2, 1131.5)	1459.7	(1400.4, 1519.1)	1401.6	(1346.3, 1456.9)	773.3	(757.8, 788.9)
Montgomery County	**413.6**	**(390.0, 437.2)**	**430.8**	**(386.7, 474.8)**	**864.9**	**(814.2, 915.5)**	**1387.4**	**(1325.1, 1449.6)**	**1539.7**	**(1484.7, 1594.8)**	**2777.6**	**(2696.5, 2858.7)**	**2012.7**	**(1954.5, 2070.8)**	**1363.9**	**(1343.2, 1384.6)**
Female	248.5	(221.9, 275.2)	489.7	(420.3, 559.2)	1178.4	(1096.0, 1260.8)	1786.0	(1684.0, 1888.1)	1713.4	(1631.6, 1795.2)	3325.3	(3198.2, 3452.5)	2250.8	(2168.7, 2332.8)	1584.0	(1552.5, 1615.6)
Male	557.3	(519.7, 595.0)	292.2	(242.9, 341.5)	492.0	(437.2, 546.9)	980.5	(908.0, 1053.0)	1290.6	(1219.0, 1362.2)	2188.5	(2088.0, 2288.9)	1682.6	(1602.3, 1763.0)	1102.5	(1076.2, 1128.8)
New Madrid County	**554.1**	**(532.3, 575.8)**	**569.9**	**(532.0, 607.8)**	**1603.3**	**(1550.0, 1656.6)**	**2398.4**	**(2335.7, 2461.0)**	**2753.6**	**(2692.6, 2814.6)**	**3840.3**	**(3763.8, 3916.9)**	**3501.5**	**(3435.0, 3567.9)**	**2143.3**	**(2122.5, 2164.2)**
Female	303.9	(280.9, 326.9)	596.8	(541.9, 651.8)	1814.2	(1736.0, 1892.4)	2773.5	(2678.5, 2868.6)	3194.5	(3103.6, 3285.4)	4250.8	(4139.0, 4362.5)	3734.6	(3644.5, 3824.7)	2373.1	(2342.6, 2403.5)
Male	730.7	(695.8, 765.6)	463.4	(415.1, 511.6)	1219.1	(1151.6, 1286.6)	1667.0	(1592.9, 1741.0)	2081.2	(2004.4, 2158.0)	3175.2	(3074.8, 3275.6)	2891.2	(2798.0, 2984.5)	1712.2	(1685.4, 1739.1)
Newton County (inc. Joplin City)	**224.0**	**(216.4, 231.7)**	**252.0**	**(238.2, 265.7)**	**640.3**	**(620.7, 659.8)**	**961.3**	**(938.6, 983.9)**	**1195.9**	**(1172.6, 1219.2)**	**2139.2**	**(2105.5, 2172.9)**	**1943.6**	**(1914.6, 1972.6)**	**961.4**	**(953.4, 969.3)**
Female	139.5	(130.8, 148.3)	266.1	(246.0, 286.2)	672.5	(644.3, 700.7)	1090.8	(1056.7, 1124.8)	1388.6	(1353.3, 1423.8)	2289.3	(2240.2, 2338.4)	2150.5	(2109.6, 2191.3)	1117.8	(1105.7, 1129.9)
Male	274.7	(263.0, 286.3)	210.7	(193.0, 228.3)	535.9	(510.6, 561.2)	727.8	(699.9, 755.8)	856.8	(828.7, 884.8)	1777.4	(1733.8, 1821.0)	1577.2	(1537.8, 1616.6)	802.5	(792.1, 812.8)
Osage County	**493.4**	**(469.9, 516.9)**	**343.6**	**(311.7, 375.6)**	**706.6**	**(664.2, 749.0)**	**872.5**	**(829.4, 915.6)**	**1309.1**	**(1260.3, 1357.8)**	**2177.1**	**(2105.8, 2248.5)**	**2197.9**	**(2134.1, 2261.6)**	**1130.7**	**(1113.0, 1148.4)**
Female	241.0	(217.4, 264.6)	458.2	(398.4, 518.1)	1039.5	(964.4, 1114.7)	1242.1	(1168.6, 1315.6)	1494.4	(1418.0, 1570.8)	2510.2	(2399.2, 2621.3)	2431.3	(2340.9, 2521.7)	1302.3	(1274.9, 1329.7)
Male	702.5	(663.4, 741.7)	267.4	(231.7, 303.2)	392.8	(349.4, 436.1)	476.1	(431.5, 520.7)	1114.7	(1053.3, 1176.2)	1801.4	(1711.7, 1891.0)	1839.4	(1752.4, 1926.4)	933.6	(911.4, 955.9)

Table 3c. Schedule II-IV controlled substance dispensation rates per 1,000 population by jurisdiction, age, & gender; jurisdictions P-Z.

Schedule II-IV	<18		18-24		25-34		35-44		45-54		55-64		65+		Total	
Jurisdictions P-Z	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI
Pemiscot County	**430.5**	**(412.3, 448.6)**	**601.9**	**(564.0, 639.8)**	**1855.8**	**(1797.4, 1914.3)**	**2822.8**	**(2751.6, 2893.9)**	**3432.4**	**(3360.5, 3504.3)**	**5492.2**	**(5393.7, 5590.7)**	**3909.0**	**(3834.3, 3983.7)**	**2421.1**	**(2398.6, 2443.7)**
Female	275.3	(254.7, 296.0)	660.7	(605.7, 715.7)	2158.5	(2072.8, 2244.2)	3536.5	(3425.9, 3647.0)	3999.2	(3891.6, 4106.9)	6110.6	(5967.1, 6254.2)	4356.8	(4253.8, 4459.8)	2785.5	(2752.1, 2818.9)
Male	571.4	(542.1, 600.7)	526.0	(474.7, 577.2)	1487.0	(1409.8, 1564.1)	1986.4	(1900.5, 2072.4)	2794.3	(2700.7, 2887.9)	4775.3	(4642.3, 4908.3)	3243.0	(3137.3, 3348.8)	1993.4	(1963.8, 2023.1)
Perry County	**707.3**	**(683.4, 731.2)**	**638.2**	**(597.5, 679.0)**	**1113.5**	**(1070.1, 1156.8)**	**1617.8**	**(1566.7, 1669.0)**	**1579.5**	**(1532.7, 1626.2)**	**2543.9**	**(2479.4, 2608.4)**	**2161.8**	**(2108.9, 2214.8)**	**1446.5**	**(1429.4, 1463.6)**
Female	460.5	(432.8, 488.2)	690.0	(628.5, 751.5)	1380.7	(1311.4, 1449.9)	1925.4	(1845.7, 2005.0)	1891.7	(1819.3, 1964.1)	3275.5	(3171.6, 3379.5)	2335.7	(2262.7, 2408.7)	1649.3	(1623.5, 1675.1)
Male	917.4	(879.5, 955.3)	576.0	(522.6, 629.4)	821.1	(769.1, 873.0)	1250.4	(1187.4, 1313.4)	1215.1	(1157.2, 1273.1)	1727.0	(1652.1, 1801.9)	1841.0	(1766.6, 1915.5)	1189.7	(1167.7, 1211.7)
Pettis County	**351.4**	**(340.3, 362.6)**	**490.1**	**(468.3, 511.8)**	**1059.7**	**(1032.1, 1087.4)**	**1471.3**	**(1437.5, 1505.1)**	**1645.2**	**(1613.1, 1677.4)**	**2660.0**	**(2613.9, 2706.0)**	**2315.0**	**(2277.1, 2352.9)**	**1325.6**	**(1314.6, 1336.6)**
Female	141.5	(131.4, 151.6)	495.5	(464.7, 526.3)	937.4	(900.4, 974.3)	1479.7	(1431.6, 1527.7)	1494.2	(1450.8, 1537.7)	2529.0	(2465.8, 2592.3)	2379.7	(2329.0, 2430.3)	1260.1	(1245.1, 1275.1)
Male	384.1	(367.7, 400.5)	293.3	(269.3, 317.2)	622.8	(593.0, 652.5)	719.9	(686.5, 753.2)	1048.3	(1012.1, 1084.4)	1814.9	(1760.9, 1868.9)	1574.0	(1526.1, 1621.9)	861.8	(849.1, 874.4)
Polk County	**118.8**	**(111.1, 126.5)**	**114.3**	**(103.2, 125.3)**	**422.5**	**(400.4, 444.5)**	**657.7**	**(631.1, 684.4)**	**771.3**	**(745.3, 797.3)**	**1327.1**	**(1289.2, 1365.1)**	**1031.2**	**(1003.1, 1059.3)**	**589.3**	**(580.8, 597.9)**
Female	84.6	(75.2, 94.1)	115.4	(99.6, 131.2)	528.8	(494.0, 563.6)	837.2	(795.2, 879.2)	892.7	(853.3, 932.1)	1521.7	(1465.5, 1578.0)	1148.6	(1108.8, 1188.4)	691.8	(678.8, 704.8)
Male	144.9	(133.1, 156.6)	111.4	(96.2, 126.7)	288.6	(262.7, 314.5)	453.0	(421.4, 484.5)	625.5	(592.3, 658.7)	1098.8	(1049.0, 1148.7)	849.7	(811.5, 887.9)	467.6	(456.8, 478.4)
Reynolds County	**278.6**	**(252.2, 305.0)**	**260.4**	**(212.2, 308.6)**	**662.6**	**(597.8, 727.4)**	**842.1**	**(778.9, 905.2)**	**1101.2**	**(1036.9, 1165.4)**	**1562.5**	**(1482.9, 1642.0)**	**1425.4**	**(1361.6, 1489.3)**	**918.1**	**(895.2, 941.1)**
Female	194.2	(161.3, 227.0)	282.6	(210.1, 355.0)	905.4	(801.6, 1009.2)	816.3	(727.4, 905.2)	1182.4	(1087.1, 1277.8)	1753.4	(1633.3, 1873.5)	1596.7	(1502.8, 1690.6)	1014.9	(980.4, 1049.3)
Male	331.2	(292.3, 370.1)	239.9	(175.8, 304.1)	351.9	(282.8, 421.0)	809.5	(722.8, 896.2)	891.3	(810.5, 972.0)	1317.9	(1215.3, 1420.5)	1229.0	(1143.5, 1314.4)	780.2	(750.6, 809.8)
St. Charles County	**738.2**	**(732.6, 743.7)**	**1087.0**	**(1075.4, 1098.7)**	**1655.9**	**(1644.4, 1667.5)**	**2209.7**	**(2196.8, 2222.7)**	**2101.6**	**(2089.8, 2113.5)**	**3467.9**	**(3449.8, 3485.9)**	**3438.9**	**(3420.8, 3457.0)**	**1924.4**	**(1919.9, 1929.0)**
Female	387.6	(381.9, 393.3)	969.1	(953.4, 984.8)	1676.1	(1659.8, 1692.5)	2215.8	(2197.6, 2234.0)	2161.7	(2144.8, 2178.6)	3339.6	(3315.1, 3364.2)	3556.5	(3532.1, 3581.0)	1877.6	(1871.3, 1883.8)
Male	801.7	(793.7, 809.8)	840.7	(826.4, 854.9)	1158.9	(1145.1, 1172.7)	1522.1	(1506.8, 1537.4)	1376.4	(1362.7, 1390.1)	2533.4	(2511.1, 2555.7)	2522.2	(2498.7, 2545.7)	1408.0	(1402.5, 1413.5)
St. Francois County	**699.0**	**(685.3, 712.6)**	**560.0**	**(541.3, 578.7)**	**1444.9**	**(1420.5, 1469.2)**	**2749.7**	**(2714.8, 2784.7)**	**3152.4**	**(3117.6, 3187.3)**	**5436.6**	**(5383.8, 5489.4)**	**3622.1**	**(3583.5, 3660.7)**	**2399.2**	**(2387.3, 2411.1)**
Female	460.0	(444.2, 475.9)	710.7	(678.3, 743.0)	1919.0	(1875.0, 1963.0)	3640.2	(3579.0, 3701.3)	3849.1	(3791.6, 3906.7)	5959.6	(5880.2, 6038.9)	3893.9	(3840.8, 3947.1)	2796.9	(2778.1, 2815.6)
Male	805.1	(784.7, 825.6)	389.3	(368.7, 409.9)	944.7	(919.1, 970.3)	1768.1	(1730.9, 1805.3)	2189.5	(2150.4, 2228.6)	4246.9	(4181.8, 4312.0)	2719.9	(2669.2, 2770.7)	1744.1	(1730.2, 1757.9)
City of St. Joseph	**584.4**	**(573.3, 595.6)**	**427.5**	**(414.0, 441.1)**	**1148.5**	**(1128.2, 1168.7)**	**1863.4**	**(1835.5, 1891.3)**	**2166.9**	**(2139.0, 2194.8)**	**3348.5**	**(3309.5, 3387.6)**	**2644.4**	**(2613.4, 2675.3)**	**1607.8**	**(1598.9, 1616.8)**
Female	230.2	(220.2, 240.2)	358.0	(340.2, 375.8)	1193.7	(1163.5, 1223.8)	1888.4	(1847.4, 1929.3)	2069.8	(2030.6, 2109.0)	2876.7	(2826.4, 2927.1)	2292.7	(2255.7, 2329.7)	1447.7	(1435.7, 1459.8)
Male	543.2	(528.2, 558.2)	256.7	(242.0, 271.5)	576.0	(556.4, 595.7)	966.3	(938.7, 993.8)	1283.9	(1254.0, 1313.8)	2301.8	(2255.2, 2348.3)	1969.0	(1926.4, 2011.5)	1018.1	(1008.0, 1028.3)
St. Louis County	**530.4**	**(527.5, 533.4)**	**852.8**	**(846.7, 859.0)**	**1312.3**	**(1305.8, 1318.7)**	**1576.5**	**(1569.5, 1583.5)**	**1576.6**	**(1570.4, 1582.9)**	**2526.7**	**(2518.0, 2535.4)**	**2660.2**	**(2652.0, 2668.5)**	**1520.9**	**(1518.5, 1523.4)**
Female	296.2	(293.0, 299.4)	735.7	(727.6, 743.7)	1291.3	(1282.4, 1300.1)	1574.7	(1565.1, 1584.4)	1623.0	(1614.3, 1631.7)	2538.5	(2526.6, 2550.4)	2732.1	(2721.2, 2743.0)	1521.3	(1517.9, 1524.6)
Male	603.8	(599.4, 608.2)	724.2	(716.1, 732.2)	990.3	(982.3, 998.4)	1152.0	(1143.3, 1160.8)	1119.7	(1112.0, 1127.3)	1885.8	(1874.7, 1896.8)	2006.3	(1995.1, 2017.5)	1152.3	(1149.3, 1155.4)
St. Louis City	**346.9**	**(342.5, 351.4)**	**342.0**	**(336.2, 347.8)**	**1059.5**	**(1051.1, 1067.9)**	**1481.4**	**(1469.5, 1493.3)**	**1531.9**	**(1520.4, 1543.3)**	**2596.1**	**(2579.2, 2613.1)**	**2143.3**	**(2128.0, 2158.6)**	**1226.1**	**(1222.2, 1229.9)**
Female	192.7	(188.0, 197.4)	328.7	(320.8, 336.5)	1016.2	(1004.7, 1027.7)	1474.6	(1457.7, 1491.4)	1517.2	(1501.0, 1533.3)	2497.8	(2474.7, 2520.9)	2052.5	(2033.4, 2071.6)	1185.6	(1180.4, 1190.9)
Male	416.4	(409.5, 423.2)	269.4	(262.0, 276.8)	846.4	(835.6, 857.1)	1134.7	(1120.0, 1149.3)	1240.7	(1226.1, 1255.3)	2188.9	(2166.5, 2211.4)	1851.0	(1828.0, 1873.9)	1008.9	(1003.9, 1013.9)
Ste. Genevieve County	**593.0**	**(569.8, 616.2)**	**651.9**	**(608.8, 694.9)**	**1235.6**	**(1185.7, 1285.5)**	**1762.4**	**(1706.4, 1818.4)**	**1700.2**	**(1654.2, 1746.2)**	**3265.4**	**(3194.6, 3336.1)**	**2361.4**	**(2305.6, 2417.2)**	**1645.5**	**(1626.8, 1664.1)**
Female	235.0	(214.0, 256.0)	649.8	(586.9, 712.7)	1188.2	(1117.8, 1258.7)	1650.0	(1573.2, 1726.7)	1619.7	(1555.6, 1683.9)	2981.5	(2883.5, 3079.6)	1748.1	(1683.3, 1812.9)	1399.0	(1374.5, 1423.4)
Male	571.8	(540.0, 603.5)	354.7	(311.1, 398.2)	624.1	(574.8, 673.4)	921.4	(864.2, 978.6)	887.3	(840.9, 933.8)	1963.5	(1887.7, 2039.2)	1501.1	(1434.8, 1567.5)	988.4	(968.1, 1008.8)
Saline County	**471.3**	**(453.0, 489.6)**	**341.7**	**(319.8, 363.6)**	**1025.5**	**(987.6, 1063.5)**	**1657.3**	**(1607.8, 1706.8)**	**1522.8**	**(1480.6, 1565.0)**	**2670.9**	**(2611.5, 2730.3)**	**2314.1**	**(2265.1, 2363.2)**	**1366.5**	**(1351.5, 1381.5)**
Female	340.7	(318.4, 363.0)	373.8	(339.9, 407.7)	1162.9	(1105.9, 1219.9)	1795.0	(1722.8, 1867.2)	1740.3	(1676.1, 1804.5)	2699.9	(2614.9, 2785.0)	2298.7	(2234.8, 2362.6)	1441.3	(1419.6, 1462.9)
Male	468.4	(442.9, 493.9)	246.8	(221.6, 272.1)	710.6	(665.9, 755.3)	1051.0	(994.7, 1107.3)	910.6	(864.8, 956.4)	1908.0	(1837.6, 1978.4)	1645.8	(1581.7, 1710.0)	936.3	(918.7, 954.0)
Scott County	**692.9**	**(676.5, 709.3)**	**801.7**	**(770.9, 832.5)**	**1733.1**	**(1695.4, 1770.8)**	**2523.3**	**(2478.8, 2567.9)**	**3070.2**	**(3024.7, 3115.6)**	**4255.2**	**(4197.6, 4312.7)**	**3769.2**	**(3719.6, 3818.9)**	**2310.8**	**(2295.7, 2325.8)**
Female	427.7	(409.2, 446.2)	724.2	(683.4, 765.1)	1772.3	(1719.4, 1825.3)	2426.8	(2365.6, 2488.0)	3214.2	(3149.3, 3279.1)	4333.5	(4253.4, 4413.5)	3742.8	(3678.0, 3807.7)	2317.5	(2296.6, 2338.5)
Male	741.7	(718.0, 765.4)	669.6	(629.3, 710.0)	1281.7	(1235.0, 1328.5)	2050.8	(1993.5, 2108.1)	2194.5	(2139.4, 2249.5)	3407.6	(3332.8, 3482.4)	3167.9	(3097.5, 3238.3)	1826.2	(1806.9, 1845.4)
Stoddard County	**545.2**	**(527.7, 562.7)**	**629.5**	**(598.2, 660.8)**	**1514.3**	**(1473.1, 1555.6)**	**2329.6**	**(2280.2, 2379.0)**	**2719.5**	**(2670.6, 2768.3)**	**3399.9**	**(3341.7, 3458.2)**	**2547.0**	**(2504.2, 2589.7)**	**1923.2**	**(1907.5, 1938.9)**
Female	363.8	(343.5, 384.2)	858.5	(805.8, 911.2)	1811.1	(1747.9, 1874.3)	2829.7	(2752.2, 2907.1)	3247.0	(3172.1, 3321.8)	3772.1	(3687.3, 3856.9)	2935.7	(2875.1, 2996.4)	2228.7	(2205.2, 2252.3)
Male	689.7	(662.0, 717.3)	378.1	(344.4, 411.8)	1095.8	(1045.8, 1145.9)	1701.2	(1641.8, 1760.6)	1995.4	(1935.7, 2055.0)	2804.2	(2727.7, 2880.8)	1896.1	(1839.6, 1952.6)	1487.6	(1467.8, 1507.4)
Stone County	**232.2**	**(220.0, 244.4)**	**559.7**	**(525.7, 593.8)**	**948.8**	**(911.3, 986.3)**	**1417.4**	**(1377.2, 1457.6)**	**1758.9**	**(1721.6, 1796.3)**	**2180.8**	**(2142.2, 2219.3)**	**2212.7**	**(2179.8, 2245.5)**	**1487.9**	**(1474.6, 1501.2)**
Female	134.0	(120.9, 147.1)	551.1	(501.9, 600.4)	1161.7	(1102.8, 1220.6)	1560.5	(1501.6, 1619.4)	1906.8	(1852.8, 1960.7)	2306.3	(2251.6, 2361.1)	2631.8	(2581.4, 2682.2)	1663.8	(1644.0, 1683.6)
Male	316.8	(296.8, 336.8)	488.7	(444.9, 532.5)	634.3	(591.1, 677.5)	1144.6	(1092.8, 1196.5)	1487.8	(1438.3, 1537.3)	1906.2	(1854.0, 1958.4)	1700.4	(1659.4, 1741.4)	1218.9	(1201.7, 1236.1)
Taney County	**365.0**	**(353.9, 376.0)**	**333.5**	**(317.6, 349.4)**	**1115.7**	**(1088.8, 1142.5)**	**1873.5**	**(1839.4, 1907.7)**	**2414.1**	**(2378.0, 2450.2)**	**3436.7**	**(3392.7, 3480.8)**	**2984.5**	**(2949.1, 3019.9)**	**1778.7**	**(1767.2, 1790.2)**
Female	206.5	(194.5, 218.4)	284.7	(264.4, 305.0)	1198.9	(1159.9, 1237.9)	1804.8	(1757.9, 1851.8)	2477.1	(2425.7, 2528.4)	3198.8	(3140.8, 3256.8)	3124.8	(3075.3, 3174.3)	1776.7	(1760.7, 1792.8)
Male	390.0	(374.1, 406.0)	284.6	(263.3, 305.9)	653.2	(624.0, 682.5)	1273.0	(1232.7, 1313.3)	1669.2	(1626.4, 1712.0)	2725.8	(2668.3, 2783.3)	2078.1	(2034.7, 2121.4)	1273.2	(1259.2, 1287.1)
Vernon County	**374.9**	**(358.3, 391.4)**	**402.2**	**(373.3, 431.1)**	**915.1**	**(876.2, 954.0)**	**1350.2**	**(1303.8, 1396.5)**	**1764.4**	**(1717.2, 1811.6)**	**2293.8**	**(2237.7, 2350.0)**	**1752.9**	**(1708.9, 1796.9)**	**1227.2**	**(1212.3, 1242.2)**
Female	235.4	(216.5, 254.4)	452.6	(411.4, 493.8)	1028.0	(970.1, 1085.9)	1613.7	(1543.1, 1684.2)	2043.0	(1971.5, 2114.4)	2673.7	(2588.9, 2758.4)	2015.9	(1952.9, 2078.8)	1393.9	(1371.8, 1416.1)
Male	503.3	(476.7, 529.8)	320.4	(281.9, 359.0)	782.2	(730.9, 833.4)	1050.4	(991.7, 1109.1)	1446.4	(1385.6, 1507.2)	1876.0	(1803.3, 1948.7)	1397.5	(1338.1, 1456.9)	1034.8	(1015.1, 1054.4)
Wayne County	**372.4**	**(349.8, 395.0)**	**434.9**	**(394.0, 475.8)**	**1482.5**	**(1414.5, 1550.6)**	**1760.3**	**(1694.4, 1826.1)**	**2698.9**	**(2627.7, 2770.0)**	**3536.8**	**(3454.0, 3619.6)**	**2467.7**	**(2410.5, 2524.9)**	**1903.3**	**(1880.0, 1926.5)**
Female	246.8	(220.2, 273.4)	639.2	(567.3, 711.2)	1921.9	(1811.2, 2032.7)	2080.8	(1981.1, 2180.6)	3205.1	(3095.4, 3314.7)	3545.4	(3430.1, 3660.6)	2918.1	(2831.0, 3005.2)	2177.4	(2142.2, 2212.6)
Male	447.1	(412.9, 481.3)	219.5	(179.4, 259.6)	985.7	(908.1, 1063.3)	1242.1	(1162.6, 1321.5)	1963.9	(1878.1, 2049.7)	3171.4	(3058.5, 3284.2)	1813.0	(1742.9, 1883.1)	1468.5	(1439.6, 1497.3)
Total	**490.5**	**(489.2, 491.8)**	**605.2**	**(603.0, 607.4)**	**1233.6**	**(1230.9, 1236.3)**	**1798.7**	**(1795.3, 1802.0)**	**1921.0**	**(1917.8, 1924.2)**	**3013.4**	**(3008.9, 3017.8)**	**2750.0**	**(2746.0, 2754.0)**	**1583.7**	**(1582.6, 1584.8)**
Female	259.2	(257.9, 260.5)	531.5	(528.6, 534.4)	1215.0	(1211.2, 1218.8)	1798.3	(1793.6, 1803.1)	1941.6	(1937.1, 1946.1)	2907.9	(2901.8, 2914.0)	2751.2	(2745.9, 2756.5)	1548.7	(1547.2, 1550.3)
Male	543.9	(542.0, 545.8)	460.1	(457.4, 462.8)	841.6	(838.5, 844.8)	1185.8	(1181.9, 1189.7)	1294.2	(1290.4, 1297.9)	2222.6	(2217.0, 2228.2)	2037.7	(2032.3, 2043.0)	1141.8	(1140.5, 1143.2)

Table 4. Schedule II-IV controlled substance dispensations by payment type.

Payment Type	Dispensation Count	Rate	95% CI	% of Prescriptions	% of MO Population
Commercial Insurance	4,354,944	902.4	(901.5, 903.2)	57%	59%
Medicaid	780,816	161.8	(161.4, 162.2)	10%	15%
Medicare	1,522,524	315.5	(315.0, 316.0)	20%	16%
Private Pay or Uninsured	727,624	150.8	(150.4, 151.1)	10%	9%
Other	257,108	53.3	(53.1, 53.5)	3%	2%

Table 5. Opioid dispensations prescription length.

Prescription Length	Dispensation Count	Rate	95% CI	% of Dispensations
<4 days	464,629	96.3	(96.0, 96.6)	14.1%
4-7 days	758,709	157.2	(156.9, 157.6)	23.0%
8-13 days	277,940	57.6	(57.4, 57.8)	8.4%
14+ days	1,798,217	372.6	(372.1, 373.2)	54.5%

Table 6a. Opioid dispensation rates per 1,000 population by jurisdiction, age, & gender; jurisdictions A-G.

Opioids	<18		18-24		25-34		35-44		45-54		55-64		65+		Total	
Jurisdictions A-G	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI
Andrew County	**35.1**	**(29.4, 40.8)**	**169.1**	**(146.9, 191.4)**	**335.5**	**(309.5, 361.6)**	**510.1**	**(480.2, 539.9)**	**577.1**	**(548.4, 605.8)**	**981.7**	**(941.5, 1021.8)**	**1218.8**	**(1177.0, 1260.6)**	**534.6**	**(523.7, 545.5)**
Female	29.7	(22.2, 37.2)	160.8	(130.3, 191.4)	311.6	(276.4, 346.8)	426.0	(387.5, 464.6)	500.0	(462.4, 537.6)	869.4	(815.6, 923.2)	1208.4	(1153.2, 1263.6)	508.0	(493.1, 522.9)
Male	36.4	(28.4, 44.5)	118.4	(92.0, 144.8)	253.5	(221.2, 285.8)	385.5	(348.9, 422.2)	407.8	(373.5, 442.0)	787.6	(737.0, 838.2)	960.5	(904.0, 1016.9)	399.9	(386.5, 413.3)
Audrain County	**30.3**	**(26.0, 34.6)**	**226.3**	**(205.8, 246.7)**	**438.1**	**(415.3, 460.8)**	**595.9**	**(568.8, 623.0)**	**781.0**	**(752.1, 809.9)**	**1292.9**	**(1252.4, 1333.3)**	**1146.2**	**(1113.3, 1179.0)**	**601.6**	**(592.1, 611.1)**
Female	35.7	(28.9, 42.4)	268.4	(238.5, 298.3)	428.4	(399.4, 457.5)	626.5	(589.8, 663.3)	910.0	(867.3, 952.8)	1450.0	(1390.5, 1509.6)	1161.3	(1118.1, 1204.5)	667.2	(653.6, 680.9)
Male	25.6	(20.2, 31.0)	172.5	(145.6, 199.3)	420.2	(385.1, 455.4)	553.7	(513.9, 593.6)	632.1	(594.0, 670.1)	1120.6	(1066.4, 1174.7)	1116.5	(1066.1, 1166.9)	519.5	(506.5, 532.5)
Barry County	**14.7**	**(12.1, 17.2)**	**81.3**	**(70.6, 92.0)**	**242.6**	**(226.6, 258.5)**	**315.3**	**(298.3, 332.4)**	**426.1**	**(408.6, 443.7)**	**769.2**	**(744.3, 794.1)**	**718.8**	**(697.8, 739.8)**	**365.5**	**(359.2, 371.8)**
Female	13.0	(9.6, 16.4)	94.9	(78.1, 111.6)	267.5	(243.9, 291.0)	345.6	(320.5, 370.7)	493.1	(466.1, 520.0)	751.2	(716.6, 785.7)	771.0	(741.5, 800.5)	397.8	(388.6, 407.0)
Male	15.5	(11.8, 19.2)	68.9	(55.3, 82.5)	208.8	(187.8, 229.8)	279.0	(256.3, 301.7)	357.4	(335.0, 379.9)	775.7	(740.1, 811.2)	644.1	(614.8, 673.5)	326.7	(318.2, 335.1)
Bates County	**43.0**	**(36.8, 49.3)**	**289.4**	**(259.4, 319.5)**	**656.3**	**(619.4, 693.1)**	**970.9**	**(927.2, 1014.5)**	**972.1**	**(934.3, 1009.9)**	**1895.1**	**(1836.5, 1953.8)**	**1629.3**	**(1583.8, 1674.9)**	**887.4**	**(873.3, 901.6)**
Female	51.4	(41.6, 61.2)	351.0	(303.7, 398.2)	658.0	(605.5, 710.4)	1166.1	(1097.7, 1234.6)	1173.2	(1114.5, 1231.8)	1926.7	(1844.4, 2009.1)	1737.3	(1674.6, 1800.0)	998.6	(977.5, 1019.7)
Male	29.7	(22.4, 36.9)	207.7	(172.0, 243.4)	599.4	(549.9, 648.8)	703.0	(651.0, 755.0)	685.9	(640.9, 730.9)	1722.9	(1642.6, 1803.3)	1382.3	(1318.9, 1445.7)	707.4	(689.4, 725.4)
Benton County	**31.7**	**(25.8, 37.7)**	**260.7**	**(230.2, 291.1)**	**559.1**	**(519.5, 598.7)**	**738.6**	**(699.7, 777.4)**	**988.6**	**(952.3, 1024.8)**	**1526.9**	**(1485.7, 1568.0)**	**1337.1**	**(1304.9, 1369.4)**	**907.3**	**(893.8, 920.9)**
Female	25.2	(17.6, 32.8)	334.6	(284.8, 384.5)	719.5	(655.8, 783.2)	754.4	(699.5, 809.3)	1021.2	(968.5, 1073.9)	1461.2	(1405.0, 1517.4)	1475.1	(1427.4, 1522.8)	961.8	(942.1, 981.5)
Male	34.5	(25.8, 43.1)	151.5	(119.3, 183.7)	348.3	(304.3, 392.4)	674.3	(621.2, 727.3)	845.5	(798.6, 892.4)	1493.5	(1435.1, 1551.8)	1143.6	(1101.2, 1186.0)	792.6	(774.8, 810.5)
Bollinger County	**46.6**	**(38.8, 54.5)**	**207.9**	**(179.0, 236.8)**	**571.4**	**(529.9, 612.9)**	**825.2**	**(779.5, 870.9)**	**1156.8**	**(1109.1, 1204.6)**	**1992.9**	**(1925.6, 2060.2)**	**1643.5**	**(1588.1, 1698.9)**	**915.7**	**(898.8, 932.6)**
Female	35.2	(25.5, 45.0)	218.0	(176.1, 259.9)	619.9	(557.6, 682.2)	791.8	(729.2, 854.3)	1134.8	(1067.3, 1202.3)	1902.5	(1809.3, 1995.7)	1782.8	(1703.5, 1862.0)	936.0	(911.9, 960.2)
Male	52.1	(40.5, 63.6)	166.7	(130.1, 203.2)	473.5	(421.1, 526.0)	787.3	(723.2, 851.3)	1094.6	(1029.5, 1159.6)	1965.8	(1871.4, 2060.2)	1374.0	(1300.1, 1447.8)	830.3	(807.6, 853.0)
Boone County	**30.7**	**(28.9, 32.6)**	**98.9**	**(95.5, 102.2)**	**404.1**	**(396.2, 412.1)**	**655.2**	**(643.5, 666.8)**	**776.9**	**(764.6, 789.2)**	**1294.3**	**(1276.7, 1311.9)**	**1621.3**	**(1601.0, 1641.6)**	**536.7**	**(533.1, 540.3)**
Female	29.0	(26.4, 31.6)	111.6	(106.7, 116.5)	472.2	(460.0, 484.4)	765.4	(747.8, 783.0)	875.7	(857.7, 893.7)	1342.4	(1317.6, 1367.2)	1746.5	(1718.7, 1774.4)	609.2	(603.9, 614.4)
Male	31.4	(28.8, 34.1)	81.7	(77.3, 86.2)	324.0	(314.0, 334.0)	517.9	(503.1, 532.7)	646.7	(630.5, 662.9)	1206.1	(1181.6, 1230.5)	1409.8	(1380.7, 1438.8)	444.8	(440.2, 449.5)
Butler County	**53.4**	**(48.8, 57.9)**	**342.7**	**(323.4, 361.9)**	**841.2**	**(815.8, 866.6)**	**1290.0**	**(1259.0, 1321.0)**	**1361.6**	**(1332.7, 1390.6)**	**2059.0**	**(2021.5, 2096.6)**	**1699.8**	**(1669.8, 1729.8)**	**1051.7**	**(1042.0, 1061.4)**
Female	49.0	(42.8, 55.2)	391.2	(362.0, 420.3)	943.4	(906.4, 980.4)	1273.8	(1230.7, 1316.9)	1373.9	(1333.4, 1414.5)	2036.4	(1984.8, 2088.1)	1682.6	(1643.0, 1722.2)	1087.1	(1073.4, 1100.8)
Male	44.2	(38.4, 49.9)	207.2	(186.0, 228.4)	525.6	(496.4, 554.8)	988.5	(949.7, 1027.3)	973.0	(937.8, 1008.1)	1590.3	(1542.4, 1638.1)	1211.0	(1172.5, 1249.4)	743.7	(731.9, 755.5)
Cape Girardeau County	**44.2**	**(41.0, 47.4)**	**151.1**	**(143.7, 158.5)**	**569.8**	**(554.6, 585.0)**	**811.8**	**(793.0, 830.6)**	**895.4**	**(877.2, 913.6)**	**1532.9**	**(1507.3, 1558.6)**	**1756.2**	**(1731.3, 1781.2)**	**752.9**	**(746.7, 759.0)**
Female	39.0	(34.7, 43.2)	153.5	(143.2, 163.9)	617.4	(595.0, 639.8)	790.3	(764.3, 816.3)	906.8	(881.1, 932.5)	1522.2	(1486.6, 1557.8)	1793.2	(1760.2, 1826.3)	786.8	(778.0, 795.6)
Male	38.5	(34.3, 42.7)	99.2	(90.5, 107.9)	416.3	(398.0, 434.6)	666.6	(642.3, 690.9)	717.2	(694.0, 740.4)	1281.6	(1247.9, 1315.2)	1461.6	(1426.4, 1496.8)	589.2	(581.3, 597.0)
Carroll County	**16.7**	**(11.3, 22.1)**	**188.8**	**(155.3, 222.4)**	**191.8**	**(164.5, 219.1)**	**374.8**	**(339.1, 410.5)**	**439.2**	**(403.4, 475.0)**	**632.9**	**(588.7, 677.1)**	**650.8**	**(613.3, 688.3)**	**354.5**	**(342.4, 366.6)**
Female	20.0	(11.6, 28.5)	112.1	(75.8, 148.4)	168.9	(133.3, 204.4)	376.3	(326.0, 426.7)	417.7	(368.0, 467.4)	544.4	(486.1, 602.7)	543.6	(498.0, 589.3)	317.5	(301.5, 333.5)
Male	9.0	(3.4, 14.6)	194.4	(145.9, 243.0)	80.3	(54.9, 105.8)	146.3	(114.5, 178.0)	242.6	(205.2, 280.0)	370.2	(322.7, 417.7)	415.9	(370.6, 461.3)	200.5	(187.5, 213.5)
Carter County	**23.0**	**(15.3, 30.6)**	**116.8**	**(87.6, 145.9)**	**323.0**	**(279.3, 366.6)**	**476.8**	**(427.2, 526.3)**	**623.9**	**(573.4, 674.4)**	**1012.1**	**(944.3, 1079.9)**	**915.0**	**(856.9, 973.2)**	**487.7**	**(470.4, 505.0)**
Female	16.3	(7.3, 25.3)	143.7	(98.9, 188.5)	391.5	(322.8, 460.1)	450.5	(382.9, 518.0)	728.5	(650.5, 806.5)	877.4	(790.4, 964.5)	900.9	(822.1, 979.6)	491.0	(466.7, 515.2)
Male	27.7	(15.7, 39.7)	62.5	(31.7, 93.3)	252.4	(198.3, 306.4)	469.5	(399.4, 539.6)	444.6	(384.9, 504.3)	1011.7	(913.1, 1110.3)	823.2	(742.2, 904.2)	427.9	(404.7, 451.1)
Cass County	**47.0**	**(44.4, 49.6)**	**274.4**	**(262.6, 286.2)**	**509.9**	**(497.1, 522.6)**	**726.5**	**(712.0, 741.1)**	**916.7**	**(901.5, 931.9)**	**1798.4**	**(1773.7, 1823.0)**	**1692.6**	**(1670.6, 1714.5)**	**768.4**	**(763.0, 773.9)**
Female	32.8	(29.7, 35.9)	197.5	(183.1, 211.9)	338.0	(323.6, 352.4)	559.5	(541.6, 577.4)	719.3	(700.4, 738.3)	1409.8	(1379.7, 1440.0)	1611.3	(1582.7, 1640.0)	652.4	(645.3, 659.4)
Male	29.4	(26.5, 32.3)	135.2	(123.7, 146.7)	270.3	(256.9, 283.6)	378.9	(363.9, 393.8)	521.8	(505.4, 538.1)	1142.2	(1113.8, 1170.7)	1069.8	(1043.4, 1096.1)	441.3	(435.4, 447.2)
Clay County	**50.8**	**(48.1, 53.4)**	**241.6**	**(231.3, 251.9)**	**353.2**	**(343.9, 362.5)**	**615.9**	**(603.6, 628.2)**	**810.4**	**(796.5, 824.3)**	**1385.6**	**(1364.8, 1406.4)**	**1641.3**	**(1618.5, 1664.0)**	**633.4**	**(628.6, 638.1)**
Female	38.1	(34.8, 41.3)	192.4	(179.4, 205.3)	288.9	(277.1, 300.8)	518.0	(502.1, 533.9)	637.6	(620.3, 655.0)	1030.2	(1005.5, 1055.0)	1383.7	(1356.1, 1411.2)	527.1	(521.1, 533.2)
Male	33.7	(30.7, 36.8)	115.6	(105.6, 125.7)	206.5	(196.3, 216.6)	322.8	(310.1, 335.5)	422.9	(408.5, 437.2)	895.1	(870.9, 919.3)	1079.6	(1051.4, 1107.8)	363.4	(358.2, 368.5)
Cole County	**45.5**	**(42.4, 48.6)**	**232.8**	**(221.4, 244.2)**	**414.0**	**(401.7, 426.4)**	**583.4**	**(568.6, 598.1)**	**714.8**	**(699.4, 730.3)**	**1160.6**	**(1139.0, 1182.1)**	**1456.4**	**(1431.9, 1480.9)**	**600.8**	**(595.3, 606.3)**
Female	45.3	(40.9, 49.8)	285.4	(267.5, 303.3)	573.1	(551.7, 594.4)	724.6	(700.3, 748.9)	802.0	(778.5, 825.5)	1235.2	(1203.8, 1266.6)	1518.0	(1485.1, 1550.9)	694.8	(686.4, 703.3)
Male	41.9	(37.7, 46.1)	159.5	(146.3, 172.8)	253.5	(240.4, 266.7)	417.1	(400.1, 434.1)	591.3	(571.7, 610.9)	999.2	(970.8, 1027.5)	1284.6	(1249.2, 1319.9)	469.3	(462.5, 476.2)
Cooper County	**30.9**	**(25.4, 36.4)**	**137.9**	**(120.2, 155.6)**	**281.7**	**(260.5, 302.9)**	**484.8**	**(454.7, 514.8)**	**555.5**	**(526.8, 584.1)**	**855.9**	**(816.7, 895.0)**	**709.5**	**(677.7, 741.2)**	**411.1**	**(401.6, 420.6)**
Female	28.1	(20.6, 35.6)	213.5	(175.8, 251.3)	468.6	(425.2, 512.0)	604.1	(555.4, 652.7)	709.7	(663.4, 756.0)	1052.8	(992.1, 1113.5)	746.4	(703.1, 789.7)	530.0	(514.4, 545.6)
Male	30.2	(22.6, 37.7)	90.1	(72.5, 107.7)	150.2	(130.3, 170.2)	322.0	(288.3, 355.7)	353.1	(321.2, 385.0)	581.3	(535.1, 627.5)	610.1	(565.4, 654.8)	272.5	(261.8, 283.1)
Dunklin County	**49.7**	**(44.8, 54.5)**	**236.5**	**(218.0, 255.1)**	**859.8**	**(829.6, 890.1)**	**1334.2**	**(1298.1, 1370.4)**	**1848.5**	**(1808.5, 1888.6)**	**2463.2**	**(2414.7, 2511.7)**	**1846.1**	**(1809.4, 1882.8)**	**1163.1**	**(1151.3, 1174.9)**
Female	53.0	(45.8, 60.3)	313.7	(284.0, 343.4)	1096.4	(1049.2, 1143.6)	1515.9	(1462.1, 1569.8)	2068.2	(2008.9, 2127.4)	2445.6	(2379.1, 2512.1)	1933.9	(1884.5, 1983.3)	1296.1	(1278.8, 1313.4)
Male	43.9	(37.5, 50.2)	150.4	(129.0, 171.8)	579.3	(543.4, 615.3)	1124.2	(1076.6, 1171.8)	1578.9	(1525.9, 1631.9)	2465.7	(2395.1, 2536.4)	1687.7	(1633.7, 1741.8)	1000.5	(984.7, 1016.3)
Franklin County	**40.4**	**(37.9, 42.9)**	**261.7**	**(250.8, 272.6)**	**655.4**	**(640.8, 670.0)**	**816.3**	**(800.9, 831.8)**	**986.9**	**(971.8, 1002.0)**	**1910.9**	**(1886.5, 1935.3)**	**1743.9**	**(1722.0, 1765.8)**	**848.3**	**(842.7, 854.0)**
Female	39.4	(35.9, 42.9)	296.5	(279.9, 313.2)	729.4	(707.5, 751.4)	852.2	(830.0, 874.3)	1046.7	(1024.7, 1068.7)	1812.2	(1778.7, 1845.6)	1784.9	(1755.3, 1814.4)	891.4	(883.2, 899.5)
Male	35.7	(32.5, 39.0)	190.5	(177.5, 203.5)	516.9	(498.7, 535.0)	645.3	(625.7, 664.8)	805.8	(786.5, 825.0)	1760.6	(1727.3, 1793.9)	1446.1	(1416.0, 1476.2)	693.9	(686.7, 701.2)
Gasconade County	**45.8**	**(38.5, 53.0)**	**248.1**	**(217.8, 278.3)**	**709.1**	**(666.1, 752.0)**	**710.4**	**(670.7, 750.1)**	**791.5**	**(756.3, 826.7)**	**1445.0**	**(1393.5, 1496.5)**	**1253.1**	**(1213.5, 1292.8)**	**755.0**	**(741.2, 768.8)**
Female	50.0	(39.3, 60.7)	296.7	(249.3, 344.0)	826.3	(760.4, 892.2)	740.8	(683.5, 798.0)	861.2	(808.5, 914.0)	1404.5	(1333.1, 1476.0)	1421.5	(1365.3, 1477.8)	830.5	(810.2, 850.8)
Male	39.8	(30.3, 49.3)	197.7	(159.9, 235.6)	573.0	(518.7, 627.2)	675.2	(620.3, 730.0)	705.6	(659.3, 751.9)	1456.5	(1382.9, 1530.0)	1009.7	(955.8, 1063.6)	660.9	(642.5, 679.4)
Greene County	**45.0**	**(43.2, 46.8)**	**185.3**	**(180.9, 189.8)**	**623.4**	**(615.3, 631.5)**	**926.0**	**(915.2, 936.8)**	**1101.8**	**(1090.8, 1112.8)**	**1775.1**	**(1760.2, 1790.1)**	**1778.6**	**(1765.0, 1792.2)**	**841.5**	**(838.0, 845.0)**
Female	43.9	(41.4, 46.5)	199.2	(192.9, 205.6)	740.2	(727.5, 752.9)	1038.0	(1021.7, 1054.4)	1170.2	(1154.4, 1186.1)	1755.8	(1735.3, 1776.2)	1840.4	(1822.3, 1858.5)	918.3	(913.2, 923.4)
Male	40.7	(38.4, 43.1)	146.4	(140.8, 152.1)	455.4	(445.8, 465.0)	707.0	(693.9, 720.2)	900.1	(885.9, 914.2)	1577.9	(1557.5, 1598.4)	1463.5	(1444.3, 1482.6)	663.4	(658.9, 667.9)
Grundy County	**43.8**	**(35.5, 52.0)**	**125.1**	**(102.6, 147.6)**	**501.0**	**(457.5, 544.5)**	**773.0**	**(720.2, 825.8)**	**997.2**	**(945.1, 1049.2)**	**1705.5**	**(1632.9, 1778.0)**	**1488.6**	**(1436.4, 1540.8)**	**801.3**	**(784.0, 818.6)**
Female	42.8	(31.5, 54.1)	177.8	(138.8, 216.7)	686.5	(615.3, 757.8)	948.2	(866.2, 1030.3)	1203.4	(1122.6, 1284.2)	1849.4	(1743.3, 1955.6)	1780.5	(1705.9, 1855.1)	971.7	(945.3, 998.0)
Male	42.3	(30.6, 54.1)	71.9	(48.4, 95.3)	290.3	(242.9, 337.7)	584.8	(519.3, 650.2)	763.8	(699.4, 828.2)	1531.7	(1433.9, 1629.5)	1066.7	(998.0, 1135.3)	602.0	(580.3, 623.8)

Table 6b. Opioid dispensation rates per 1,000 population by jurisdiction, age, & gender; jurisdictions H-O.

Opioids	<18		18-24		25-34		35-44		45-54		55-64		65+		Total	
Jurisdictions H-O	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI
Harrison County	**14.8**	**(9.8, 19.9)**	**83.6**	**(61.3, 106.0)**	**214.6**	**(184.8, 244.4)**	**539.3**	**(492.5, 586.2)**	**287.6**	**(258.3, 316.8)**	**606.4**	**(559.9, 652.9)**	**495.4**	**(463.4, 527.4)**	**305.6**	**(294.2, 317.1)**
Female	14.4	(7.1, 21.7)	120.6	(83.4, 157.7)	290.2	(241.5, 339.0)	408.3	(349.8, 466.8)	381.6	(333.7, 429.5)	575.1	(510.4, 639.8)	522.9	(479.1, 566.7)	326.5	(309.8, 343.2)
Male	13.9	(7.2, 20.6)	43.6	(20.3, 66.8)	120.8	(89.0, 152.7)	647.7	(576.1, 719.3)	188.4	(155.1, 221.8)	609.2	(544.0, 674.5)	426.3	(381.3, 471.4)	270.3	(255.0, 285.6)
Howard County	**42.7**	**(34.0, 51.4)**	**107.0**	**(89.7, 124.4)**	**418.4**	**(380.1, 456.7)**	**645.6**	**(597.5, 693.6)**	**691.5**	**(649.8, 733.1)**	**1362.6**	**(1298.8, 1426.3)**	**1166.6**	**(1113.8, 1219.3)**	**599.8**	**(584.7, 614.8)**
Female	54.0	(40.0, 68.1)	129.5	(102.1, 156.9)	529.1	(468.3, 589.9)	728.3	(655.6, 801.0)	779.5	(716.8, 842.2)	1384.3	(1293.7, 1474.8)	1281.9	(1207.7, 1356.1)	677.4	(654.9, 700.0)
Male	31.2	(20.8, 41.5)	84.3	(62.8, 105.8)	303.5	(257.3, 349.6)	565.1	(502.0, 628.3)	592.7	(538.4, 647.1)	1334.4	(1244.9, 1423.9)	1007.0	(933.4, 1080.5)	515.6	(495.8, 535.4)
Iron County	**29.6**	**(22.7, 36.4)**	**220.6**	**(188.6, 252.7)**	**514.1**	**(472.3, 555.9)**	**908.2**	**(855.8, 960.6)**	**1025.8**	**(976.4, 1075.2)**	**1620.5**	**(1555.8, 1685.2)**	**1176.4**	**(1127.6, 1225.1)**	**779.7**	**(763.0, 796.5)**
Female	26.5	(17.2, 35.8)	260.6	(210.4, 310.8)	421.4	(368.0, 474.8)	983.2	(905.2, 1061.3)	899.0	(833.6, 964.5)	1745.2	(1651.0, 1839.5)	1254.9	(1187.3, 1322.4)	809.1	(785.1, 833.2)
Male	30.5	(20.7, 40.2)	174.8	(135.2, 214.4)	554.5	(493.0, 616.1)	647.2	(585.4, 709.0)	1096.9	(1024.7, 1169.2)	1439.0	(1352.1, 1525.9)	1021.6	(953.3, 1089.8)	694.3	(671.8, 716.8)
Jackson County (exc. Kansas City)	**49.2**	**(47.7, 50.6)**	**246.8**	**(241.6, 252.0)**	**451.5**	**(445.8, 457.1)**	**801.1**	**(793.1, 809.1)**	**913.8**	**(905.8, 921.8)**	**1621.6**	**(1609.5, 1633.7)**	**1709.0**	**(1697.1, 1720.9)**	**737.5**	**(734.7, 740.2)**
Female	36.7	(34.9, 38.4)	191.9	(185.5, 198.3)	360.1	(353.1, 367.2)	637.6	(627.5, 647.7)	698.0	(688.2, 707.8)	1201.8	(1187.5, 1216.1)	1450.3	(1436.0, 1464.6)	606.3	(602.9, 609.8)
Male	35.0	(33.3, 36.7)	137.6	(132.0, 143.2)	254.0	(248.0, 260.1)	421.2	(413.0, 429.5)	525.4	(516.7, 534.1)	971.1	(957.5, 984.7)	1073.6	(1059.0, 1088.3)	416.2	(413.2, 419.2)
Jasper County (inc. Joplin City)	**44.7**	**(42.3, 47.1)**	**232.1**	**(223.5, 240.6)**	**535.1**	**(523.8, 546.4)**	**875.3**	**(860.0, 890.5)**	**1067.5**	**(1051.4, 1083.6)**	**1884.1**	**(1860.4, 1907.8)**	**1646.9**	**(1626.8, 1666.9)**	**759.1**	**(754.1, 764.1)**
Female	43.4	(40.0, 46.7)	279.3	(266.2, 292.4)	597.1	(580.1, 614.1)	939.6	(917.4, 961.9)	1156.8	(1133.2, 1180.4)	1951.4	(1918.1, 1984.6)	1729.1	(1702.0, 1756.2)	866.4	(858.9, 873.8)
Male	43.2	(39.9, 46.4)	163.1	(152.9, 173.3)	439.0	(424.6, 453.3)	736.4	(716.5, 756.3)	895.4	(874.4, 916.4)	1661.6	(1629.3, 1693.9)	1413.5	(1384.9, 1442.0)	646.5	(639.9, 653.1)
Jefferson County	**38.0**	**(36.4, 39.7)**	**253.0**	**(245.7, 260.3)**	**563.4**	**(554.7, 572.1)**	**885.1**	**(874.5, 895.8)**	**1080.2**	**(1069.5, 1090.9)**	**2074.8**	**(2057.5, 2092.1)**	**2022.7**	**(2004.9, 2040.6)**	**881.6**	**(877.6, 885.5)**
Female	36.5	(34.2, 38.8)	282.7	(271.6, 293.7)	588.9	(576.3, 601.5)	915.4	(900.2, 930.6)	1104.4	(1089.0, 1119.8)	1947.5	(1924.0, 1971.0)	2060.2	(2035.9, 2084.4)	907.0	(901.4, 912.7)
Male	32.5	(30.4, 34.6)	178.3	(169.7, 186.9)	454.5	(443.4, 465.6)	697.8	(684.4, 711.2)	874.6	(861.0, 888.3)	1864.9	(1841.5, 1888.3)	1632.7	(1608.8, 1656.7)	712.0	(707.0, 717.0)
Johnson County	**41.4**	**(37.8, 45.1)**	**99.9**	**(93.8, 105.9)**	**367.5**	**(353.2, 381.9)**	**741.5**	**(719.3, 763.8)**	**772.5**	**(751.5, 793.5)**	**1407.4**	**(1374.8, 1440.0)**	**1369.1**	**(1338.5, 1399.6)**	**540.3**	**(534.1, 546.6)**
Female	42.0	(36.8, 47.2)	104.4	(95.4, 113.3)	414.2	(392.2, 436.1)	812.1	(779.2, 845.0)	779.3	(749.5, 809.2)	1476.2	(1429.1, 1523.2)	1270.2	(1229.8, 1310.5)	563.8	(554.7, 573.0)
Male	34.7	(30.0, 39.4)	80.4	(72.9, 87.9)	263.5	(246.7, 280.2)	541.4	(514.4, 568.4)	578.3	(552.6, 604.0)	1007.9	(968.8, 1047.0)	1209.0	(1167.1, 1250.9)	408.2	(400.5, 415.9)
Joplin City (in Jasper & Newton Counties)	**57.2**	**(52.8, 61.6)**	**266.3**	**(253.7, 278.9)**	**736.4**	**(716.6, 756.1)**	**1233.6**	**(1205.2, 1262.0)**	**1512.5**	**(1482.3, 1542.6)**	**2854.5**	**(2809.6, 2899.4)**	**2198.8**	**(2165.0, 2232.5)**	**1062.7**	**(1053.6, 1071.7)**
Female	54.8	(48.7, 61.0)	318.9	(299.7, 338.0)	768.5	(739.7, 797.4)	1320.7	(1279.2, 1362.3)	1553.0	(1510.4, 1595.7)	2926.5	(2864.5, 2988.5)	2168.1	(2125.2, 2211.1)	1202.2	(1188.9, 1215.5)
Male	53.1	(47.1, 59.0)	173.4	(158.7, 188.1)	629.0	(603.6, 654.5)	1013.7	(977.2, 1050.1)	1263.0	(1223.4, 1302.6)	2401.9	(2341.4, 2462.4)	1983.8	(1932.6, 2035.0)	910.9	(898.8, 923.0)
Kansas City	**42.0**	**(40.8, 43.2)**	**198.2**	**(194.2, 202.3)**	**378.4**	**(374.0, 382.8)**	**613.7**	**(607.5, 620.0)**	**770.9**	**(764.1, 777.6)**	**1454.3**	**(1443.8, 1464.8)**	**1471.3**	**(1460.8, 1481.9)**	**605.0**	**(602.7, 607.2)**
Female	27.1	(25.7, 28.5)	143.1	(138.3, 147.9)	283.3	(277.9, 288.6)	432.3	(424.9, 439.7)	539.5	(531.5, 547.4)	1027.8	(1015.7, 1040.0)	1100.0	(1088.1, 1111.9)	451.8	(449.1, 454.5)
Male	27.0	(25.7, 28.4)	93.9	(89.9, 98.0)	173.8	(169.6, 178.1)	290.4	(284.4, 296.5)	396.0	(389.1, 402.9)	831.1	(819.6, 842.6)	826.8	(814.5, 839.2)	308.4	(306.1, 310.7)
Lafayette County	**45.4**	**(40.8, 50.0)**	**269.3**	**(249.5, 289.1)**	**575.9**	**(551.3, 600.5)**	**690.5**	**(665.1, 715.9)**	**985.2**	**(958.2, 1012.2)**	**1574.1**	**(1535.7, 1612.4)**	**1119.7**	**(1091.8, 1147.7)**	**711.6**	**(702.5, 720.6)**
Female	39.2	(33.0, 45.3)	284.2	(254.9, 313.6)	592.9	(557.5, 628.3)	692.9	(657.4, 728.4)	1033.5	(994.1, 1072.9)	1410.6	(1359.9, 1461.2)	1143.8	(1105.9, 1181.7)	720.7	(707.9, 733.5)
Male	42.2	(36.0, 48.4)	184.4	(161.7, 207.2)	390.4	(361.8, 418.9)	468.4	(438.4, 498.4)	719.1	(686.6, 751.5)	1338.2	(1287.5, 1388.9)	819.7	(783.7, 855.7)	524.3	(513.2, 535.4)
Lincoln County	**45.4**	**(41.9, 48.8)**	**351.6**	**(333.8, 369.3)**	**699.7**	**(680.0, 719.4)**	**958.2**	**(935.3, 981.2)**	**1250.7**	**(1226.6, 1274.7)**	**2324.5**	**(2284.7, 2364.2)**	**2207.2**	**(2168.7, 2245.7)**	**947.9**	**(939.6, 956.2)**
Female	51.2	(45.9, 56.4)	420.3	(392.9, 447.6)	827.4	(797.4, 857.4)	1150.4	(1114.7, 1186.1)	1345.9	(1310.4, 1381.4)	2321.9	(2266.0, 2377.8)	2399.0	(2344.3, 2453.7)	1052.3	(1039.9, 1064.7)
Male	38.2	(33.8, 42.6)	253.4	(232.0, 274.8)	508.6	(484.5, 532.6)	689.1	(661.5, 716.6)	1076.0	(1044.6, 1107.4)	2130.3	(2076.2, 2184.4)	1893.7	(1841.2, 1946.3)	779.1	(768.4, 789.8)
Livingston County	**36.6**	**(30.1, 43.2)**	**263.0**	**(233.7, 292.3)**	**414.9**	**(386.1, 443.7)**	**675.6**	**(639.0, 712.3)**	**1002.8**	**(960.4, 1045.2)**	**1609.4**	**(1552.9, 1666.0)**	**1538.0**	**(1491.7, 1584.2)**	**792.6**	**(778.5, 806.8)**
Female	33.5	(24.8, 42.3)	335.0	(289.1, 380.8)	383.1	(347.2, 418.9)	660.2	(612.9, 707.5)	1095.6	(1036.4, 1154.7)	1655.3	(1576.5, 1734.1)	1797.6	(1732.1, 1863.2)	875.4	(855.4, 895.4)
Male	38.6	(29.1, 48.0)	158.1	(125.2, 190.9)	443.9	(397.0, 490.8)	680.1	(622.8, 737.3)	843.3	(784.5, 902.1)	1540.2	(1459.5, 1620.8)	1163.8	(1101.7, 1225.9)	673.4	(653.9, 692.9)
Madison County	**55.3**	**(46.8, 63.8)**	**285.0**	**(252.5, 317.5)**	**818.4**	**(770.1, 866.7)**	**1174.1**	**(1117.2, 1230.9)**	**1521.0**	**(1464.6, 1577.4)**	**2485.8**	**(2406.3, 2565.2)**	**1925.7**	**(1867.3, 1984.1)**	**1139.0**	**(1120.0, 1157.9)**
Female	55.8	(43.5, 68.1)	362.8	(311.0, 414.5)	946.3	(872.6, 1019.9)	1219.1	(1138.0, 1300.2)	1754.3	(1669.1, 1839.5)	2358.9	(2250.4, 2467.5)	2163.1	(2079.9, 2246.2)	1256.6	(1228.7, 1284.4)
Male	52.8	(41.2, 64.3)	188.7	(151.2, 226.3)	649.5	(588.9, 710.1)	1073.1	(995.5, 1150.7)	1220.5	(1148.6, 1292.4)	2552.4	(2437.6, 2667.2)	1581.3	(1502.0, 1660.7)	979.2	(954.2, 1004.2)
McDonald County	**25.2**	**(21.3, 29.0)**	**142.1**	**(125.4, 158.9)**	**292.7**	**(272.5, 313.0)**	**436.1**	**(412.5, 459.6)**	**709.9**	**(681.6, 738.3)**	**1085.7**	**(1045.9, 1125.6)**	**1133.7**	**(1094.9, 1172.5)**	**480.4**	**(471.5, 489.3)**
Female	26.8	(21.1, 32.6)	170.7	(143.9, 197.5)	355.8	(324.2, 387.5)	475.6	(440.7, 510.6)	796.2	(753.3, 839.0)	1146.8	(1088.9, 1204.6)	1216.8	(1161.6, 1272.0)	537.7	(524.3, 551.2)
Male	22.7	(17.6, 27.8)	111.9	(91.4, 132.3)	219.6	(194.8, 244.3)	389.4	(358.0, 420.7)	614.8	(577.8, 651.9)	963.3	(910.2, 1016.5)	1021.5	(967.6, 1075.4)	410.6	(399.0, 422.2)
Miller County	**29.8**	**(25.5, 34.1)**	**176.9**	**(158.0, 195.8)**	**301.6**	**(281.2, 321.9)**	**382.0**	**(360.1, 403.9)**	**631.8**	**(606.3, 657.2)**	**960.1**	**(926.1, 994.0)**	**1034.6**	**(1002.7, 1066.6)**	**485.1**	**(476.5, 493.8)**
Female	30.4	(24.1, 36.7)	252.7	(220.4, 285.0)	336.9	(306.5, 367.4)	451.0	(417.3, 484.6)	639.2	(603.0, 675.5)	1015.5	(966.3, 1064.6)	1174.8	(1128.8, 1220.8)	549.1	(536.1, 562.2)
Male	28.9	(23.0, 34.8)	97.4	(77.8, 117.0)	254.8	(228.4, 281.3)	305.9	(278.2, 333.6)	616.3	(580.8, 651.9)	881.8	(835.6, 927.9)	852.5	(809.4, 895.6)	411.8	(400.5, 423.1)
Montgomery County	**34.3**	**(27.5, 41.2)**	**185.4**	**(156.5, 214.4)**	**403.9**	**(369.2, 438.5)**	**608.3**	**(567.1, 649.5)**	**755.0**	**(716.4, 793.6)**	**1415.3**	**(1357.4, 1473.2)**	**1134.7**	**(1091.1, 1178.4)**	**652.2**	**(637.9, 666.5)**
Female	32.0	(22.4, 41.6)	235.9	(187.7, 284.1)	499.3	(445.6, 552.9)	732.9	(667.6, 798.3)	819.1	(762.6, 875.7)	1643.0	(1553.7, 1732.4)	1246.9	(1185.8, 1308.0)	761.0	(739.2, 782.9)
Male	35.8	(26.2, 45.3)	123.4	(91.3, 155.4)	293.0	(250.7, 335.3)	474.2	(423.8, 524.6)	647.4	(596.7, 698.1)	1180.1	(1106.3, 1253.8)	978.0	(916.8, 1039.3)	527.0	(508.8, 545.2)
New Madrid County	**37.7**	**(32.0, 43.3)**	**181.9**	**(160.5, 203.3)**	**569.6**	**(537.9, 601.4)**	**864.1**	**(826.5, 901.7)**	**1106.7**	**(1068.0, 1145.3)**	**1790.3**	**(1738.0, 1842.6)**	**1781.0**	**(1733.6, 1828.4)**	**885.5**	**(872.1, 898.9)**
Female	34.9	(27.1, 42.7)	235.8	(201.3, 270.4)	623.1	(577.3, 668.9)	943.2	(887.7, 998.6)	1259.8	(1202.7, 1316.8)	1934.3	(1858.9, 2009.6)	1805.3	(1742.7, 1868.0)	982.0	(962.5, 1001.6)
Male	33.4	(25.9, 40.8)	100.8	(78.3, 123.3)	456.7	(415.3, 498.0)	666.1	(619.3, 712.9)	873.1	(823.3, 922.8)	1521.5	(1452.0, 1591.0)	1579.8	(1510.9, 1648.7)	707.5	(690.2, 724.8)
Newton County (inc. Joplin City)	**25.4**	**(22.8, 27.9)**	**139.8**	**(129.6, 150.0)**	**340.0**	**(325.8, 354.2)**	**460.0**	**(444.3, 475.7)**	**612.9**	**(596.3, 629.6)**	**1138.8**	**(1114.2, 1163.4)**	**1151.1**	**(1128.8, 1173.5)**	**499.8**	**(494.1, 505.6)**
Female	25.8	(22.1, 29.6)	161.8	(146.2, 177.5)	329.8	(310.1, 349.6)	494.7	(471.8, 517.7)	686.8	(662.1, 711.6)	1156.8	(1121.9, 1191.7)	1237.6	(1206.6, 1268.6)	571.8	(563.1, 580.5)
Male	23.1	(19.7, 26.5)	101.6	(89.4, 113.9)	314.3	(294.9, 333.6)	378.6	(358.5, 398.8)	472.1	(451.3, 492.9)	1025.1	(992.0, 1058.2)	982.5	(951.4, 1013.6)	426.8	(419.2, 434.3)
Osage County	**39.9**	**(33.2, 46.6)**	**146.7**	**(125.9, 167.6)**	**323.2**	**(294.5, 351.9)**	**361.4**	**(333.7, 389.2)**	**526.0**	**(495.1, 556.9)**	**1084.0**	**(1033.6, 1134.3)**	**1095.3**	**(1050.3, 1140.3)**	**478.2**	**(466.7, 489.7)**
Female	32.4	(23.7, 41.0)	244.4	(200.7, 288.1)	460.5	(410.5, 510.4)	506.8	(459.9, 553.7)	534.1	(488.4, 579.8)	1162.4	(1086.8, 1238.0)	1050.7	(991.3, 1110.2)	538.1	(520.5, 555.7)
Male	45.9	(35.9, 55.9)	82.1	(62.3, 101.9)	198.3	(167.4, 229.1)	202.2	(173.1, 231.2)	511.0	(469.4, 552.7)	991.9	(925.3, 1058.4)	1122.1	(1054.1, 1190.0)	411.8	(397.0, 426.6)

Table 6c. Opioid dispensation rates per 1,000 population by jurisdiction, age, & gender; jurisdictions P-Z.

Opioids	<18		18-24		25-34		35-44		45-54		55-64		65+		Total	
Jurisdictions P-Z	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI
Pemiscot County	**38.5**	**(33.1, 44.0)**	**265.8**	**(240.7, 291.0)**	**789.3**	**(751.2, 827.4)**	**1152.5**	**(1107.1, 1198.0)**	**1595.1**	**(1546.1, 1644.1)**	**2645.2**	**(2576.9, 2713.6)**	**1980.7**	**(1927.5, 2033.8)**	**1087.7**	**(1072.6, 1102.8)**
Female	43.6	(35.4, 51.8)	298.8	(261.8, 335.8)	907.9	(852.3, 963.5)	1326.7	(1259.0, 1394.5)	1681.0	(1611.2, 1750.8)	2662.9	(2568.1, 2757.6)	2088.7	(2017.4, 2160.0)	1189.2	(1167.4, 1211.0)
Male	32.1	(25.1, 39.0)	224.7	(191.2, 258.2)	641.3	(590.6, 692.0)	933.2	(874.3, 992.1)	1480.0	(1411.9, 1548.1)	2603.7	(2505.5, 2701.9)	1809.9	(1730.9, 1888.8)	961.9	(941.3, 982.6)
Perry County	**43.0**	**(37.2, 48.9)**	**233.7**	**(209.1, 258.4)**	**425.7**	**(398.9, 452.5)**	**553.5**	**(523.5, 583.4)**	**647.2**	**(617.3, 677.1)**	**1217.2**	**(1172.6, 1261.8)**	**1155.7**	**(1117.0, 1194.5)**	**575.0**	**(564.2, 585.8)**
Female	38.6	(30.6, 46.7)	274.3	(235.5, 313.1)	526.2	(483.5, 569.0)	567.8	(524.5, 611.0)	696.0	(652.1, 740.0)	1412.0	(1343.8, 1480.3)	1171.7	(1120.0, 1223.4)	642.1	(626.0, 658.2)
Male	46.4	(37.9, 54.9)	185.6	(155.3, 215.9)	310.8	(278.8, 342.8)	504.1	(464.1, 544.1)	576.3	(536.4, 616.2)	988.2	(931.5, 1044.8)	1097.1	(1039.7, 1154.6)	486.4	(472.3, 500.4)
Pettis County	**35.9**	**(32.3, 39.5)**	**213.7**	**(199.4, 228.1)**	**490.5**	**(471.8, 509.3)**	**613.3**	**(591.5, 635.2)**	**750.0**	**(728.3, 771.7)**	**1407.9**	**(1374.4, 1441.4)**	**1276.3**	**(1248.2, 1304.4)**	**620.6**	**(613.1, 628.1)**
Female	32.0	(27.2, 36.8)	213.9	(193.6, 234.1)	455.4	(429.6, 481.2)	572.7	(542.8, 602.6)	593.9	(566.5, 621.3)	1204.0	(1160.3, 1247.6)	1248.0	(1211.3, 1284.6)	577.6	(567.4, 587.7)
Male	27.4	(23.0, 31.8)	116.2	(101.1, 131.2)	258.9	(239.7, 278.1)	323.2	(300.8, 345.5)	543.9	(517.9, 569.9)	1020.9	(980.4, 1061.4)	903.9	(867.6, 940.3)	404.2	(395.6, 412.9)
Polk County	**15.3**	**(12.5, 18.0)**	**63.5**	**(55.3, 71.7)**	**231.4**	**(215.1, 247.7)**	**308.7**	**(290.5, 326.9)**	**407.3**	**(388.4, 426.2)**	**729.3**	**(701.2, 757.4)**	**613.8**	**(592.1, 635.4)**	**310.8**	**(304.6, 317.0)**
Female	16.0	(11.9, 20.1)	63.5	(51.8, 75.3)	273.8	(248.8, 298.8)	386.5	(358.0, 415.1)	441.3	(413.6, 469.0)	805.4	(764.4, 846.3)	652.3	(622.3, 682.3)	356.0	(346.7, 365.3)
Male	13.4	(9.8, 17.0)	62.6	(51.2, 74.0)	175.9	(155.6, 196.1)	217.4	(195.5, 239.3)	357.4	(332.3, 382.5)	639.2	(601.2, 677.2)	546.7	(516.1, 577.3)	255.6	(247.6, 263.6)
Reynolds County	**28.9**	**(20.4, 37.4)**	**117.4**	**(85.0, 149.7)**	**438.2**	**(385.5, 490.9)**	**463.9**	**(417.0, 510.8)**	**601.5**	**(554.0, 649.0)**	**858.8**	**(799.8, 917.8)**	**853.4**	**(804.0, 902.8)**	**494.8**	**(478.0, 511.7)**
Female	32.0	(18.7, 45.3)	137.5	(87.0, 188.0)	602.0	(517.4, 686.6)	394.2	(332.4, 456.0)	528.0	(464.3, 591.7)	781.9	(701.7, 862.1)	947.1	(874.8, 1019.4)	514.9	(490.3, 539.4)
Male	24.5	(13.9, 35.0)	98.8	(57.6, 140.0)	223.4	(168.4, 278.5)	484.9	(417.9, 552.0)	563.1	(498.9, 627.3)	884.1	(800.0, 968.1)	740.3	(674.0, 806.6)	441.3	(419.0, 463.6)
St. Charles County	**47.7**	**(46.3, 49.1)**	**257.2**	**(251.5, 262.8)**	**481.0**	**(474.7, 487.2)**	**730.1**	**(722.7, 737.6)**	**777.1**	**(769.8, 784.3)**	**1563.7**	**(1551.6, 1575.8)**	**1860.2**	**(1846.9, 1873.5)**	**709.4**	**(706.7, 712.2)**
Female	42.0	(40.1, 43.8)	251.4	(243.4, 259.4)	503.1	(494.2, 512.1)	711.6	(701.3, 721.9)	736.2	(726.4, 746.1)	1409.8	(1393.9, 1425.8)	1899.0	(1881.1, 1916.9)	712.8	(709.0, 716.7)
Male	40.0	(38.2, 41.8)	187.3	(180.6, 194.1)	331.9	(324.5, 339.3)	533.6	(524.6, 542.7)	567.7	(558.9, 576.5)	1267.4	(1251.6, 1283.2)	1418.3	(1400.7, 1435.9)	518.2	(514.8, 521.5)
St. Francois County	**51.3**	**(47.6, 55.0)**	**256.6**	**(243.9, 269.2)**	**683.7**	**(667.0, 700.5)**	**1321.3**	**(1297.0, 1345.5)**	**1627.0**	**(1602.0, 1652.1)**	**3036.9**	**(2997.4, 3076.3)**	**2128.7**	**(2099.1, 2158.3)**	**1208.7**	**(1200.3, 1217.2)**
Female	55.8	(50.3, 61.3)	353.4	(330.6, 376.2)	887.5	(857.7, 917.4)	1696.1	(1654.4, 1737.9)	1891.9	(1851.5, 1932.2)	3130.1	(3072.6, 3187.6)	2200.8	(2160.9, 2240.8)	1391.3	(1378.1, 1404.5)
Male	42.0	(37.4, 46.7)	164.8	(151.4, 178.2)	474.0	(455.9, 492.1)	921.4	(894.6, 948.3)	1227.7	(1198.4, 1257.0)	2582.0	(2531.3, 2632.8)	1732.2	(1691.7, 1772.8)	913.0	(903.0, 923.1)
St. Joseph County	**38.6**	**(35.7, 41.4)**	**179.3**	**(170.5, 188.1)**	**590.0**	**(575.5, 604.5)**	**869.0**	**(850.0, 888.1)**	**1083.2**	**(1063.5, 1102.9)**	**1946.3**	**(1916.5, 1976.1)**	**1664.3**	**(1639.8, 1688.9)**	**811.8**	**(805.4, 818.2)**
Female	27.3	(23.9, 30.8)	159.5	(147.7, 171.4)	567.5	(546.7, 588.3)	801.2	(774.5, 827.9)	948.7	(922.1, 975.2)	1548.4	(1511.5, 1585.3)	1401.5	(1372.6, 1430.4)	725.1	(716.6, 733.6)
Male	29.5	(26.0, 33.0)	98.3	(89.2, 107.4)	324.1	(309.3, 338.8)	495.2	(475.5, 514.9)	697.3	(675.3, 719.4)	1455.8	(1418.7, 1492.8)	1284.4	(1250.0, 1318.8)	526.8	(519.5, 534.1)
St. Louis County	**35.1**	**(34.3, 35.8)**	**191.9**	**(189.0, 194.8)**	**404.1**	**(400.5, 407.7)**	**559.7**	**(555.5, 563.9)**	**634.2**	**(630.3, 638.2)**	**1155.2**	**(1149.3, 1161.1)**	**1398.6**	**(1392.6, 1404.6)**	**599.7**	**(598.2, 601.2)**
Female	30.0	(29.0, 31.0)	198.3	(194.1, 202.5)	440.5	(435.3, 445.6)	572.8	(566.9, 578.6)	642.1	(636.6, 647.5)	1116.1	(1108.2, 1124.0)	1446.4	(1438.5, 1454.4)	636.6	(634.4, 638.7)
Male	32.8	(31.8, 33.8)	142.2	(138.6, 145.8)	286.5	(282.2, 290.8)	415.1	(409.8, 420.3)	482.8	(477.8, 487.8)	941.7	(933.9, 949.5)	1068.8	(1060.6, 1077.0)	439.0	(437.1, 440.9)
St. Louis City	**25.4**	**(24.2, 26.6)**	**132.2**	**(128.6, 135.7)**	**403.7**	**(398.5, 408.9)**	**645.2**	**(637.4, 653.1)**	**760.6**	**(752.5, 768.7)**	**1434.9**	**(1422.3, 1447.6)**	**1286.0**	**(1274.2, 1297.9)**	**579.8**	**(577.2, 582.5)**
Female	22.0	(20.4, 23.5)	145.4	(140.2, 150.6)	417.0	(409.7, 424.4)	672.1	(660.8, 683.5)	756.0	(744.6, 767.4)	1407.9	(1390.5, 1425.2)	1236.0	(1221.2, 1250.8)	595.9	(592.1, 599.6)
Male	24.9	(23.3, 26.6)	97.7	(93.2, 102.2)	327.6	(320.9, 334.3)	514.3	(504.5, 524.2)	647.8	(637.2, 658.3)	1222.3	(1205.5, 1239.1)	1130.5	(1112.6, 1148.5)	470.4	(467.0, 473.9)
Ste. Genevieve County	**35.5**	**(29.8, 41.2)**	**274.1**	**(246.1, 302.0)**	**516.3**	**(484.0, 548.5)**	**726.3**	**(690.3, 762.2)**	**835.7**	**(803.5, 867.9)**	**1763.0**	**(1711.0, 1815.0)**	**1259.0**	**(1218.3, 1299.8)**	**757.2**	**(744.5, 769.8)**
Female	24.4	(17.7, 31.2)	283.7	(242.1, 325.2)	442.9	(399.8, 485.9)	633.2	(585.7, 680.8)	791.0	(746.2, 835.8)	1544.5	(1473.9, 1615.0)	906.9	(860.2, 953.5)	646.7	(630.1, 663.3)
Male	28.1	(21.0, 35.1)	165.5	(135.8, 195.2)	329.3	(293.5, 365.1)	393.7	(356.3, 431.1)	460.8	(427.3, 494.2)	1142.3	(1084.5, 1200.1)	814.6	(765.8, 863.5)	461.2	(447.3, 475.1)
Saline County	**48.4**	**(42.5, 54.2)**	**139.8**	**(125.8, 153.8)**	**479.2**	**(453.3, 505.1)**	**810.2**	**(775.5, 844.8)**	**746.4**	**(716.8, 775.9)**	**1486.8**	**(1442.5, 1531.1)**	**1423.6**	**(1385.2, 1462.1)**	**689.3**	**(678.7, 699.9)**
Female	42.6	(34.7, 50.5)	170.1	(147.3, 193.0)	534.5	(495.9, 573.2)	791.2	(743.3, 839.2)	794.6	(751.2, 838.0)	1500.3	(1436.9, 1563.8)	1431.3	(1380.9, 1481.8)	732.6	(717.2, 748.1)
Male	41.5	(33.9, 49.1)	94.1	(78.6, 109.7)	342.1	(311.1, 373.2)	625.9	(582.5, 669.3)	513.5	(479.1, 547.9)	1095.4	(1042.0, 1148.8)	1000.7	(950.6, 1050.7)	477.8	(465.3, 490.4)
Scott County	**44.4**	**(40.2, 48.5)**	**298.3**	**(279.6, 317.1)**	**733.1**	**(708.6, 757.6)**	**1064.5**	**(1035.5, 1093.4)**	**1339.0**	**(1309.0, 1369.0)**	**2070.7**	**(2030.5, 2110.8)**	**2073.7**	**(2036.9, 2110.6)**	**1023.0**	**(1013.0, 1033.0)**
Female	44.4	(38.4, 50.3)	300.4	(274.1, 326.7)	758.7	(724.1, 793.4)	1005.2	(965.8, 1044.6)	1336.6	(1294.8, 1378.5)	1977.3	(1923.3, 2031.4)	1957.3	(1910.4, 2004.2)	1024.3	(1010.4, 1038.2)
Male	30.6	(25.8, 35.4)	208.9	(186.3, 231.4)	554.1	(523.4, 584.9)	900.4	(862.5, 938.4)	1044.6	(1006.6, 1082.6)	1778.0	(1724.0, 1832.1)	1866.3	(1812.3, 1920.4)	823.0	(810.1, 836.0)
Stoddard County	**30.6**	**(26.4, 34.7)**	**306.0**	**(284.2, 327.9)**	**661.9**	**(634.6, 689.2)**	**1104.7**	**(1070.7, 1138.7)**	**1293.1**	**(1259.4, 1326.8)**	**1784.8**	**(1742.7, 1827.0)**	**1374.3**	**(1342.9, 1405.7)**	**906.6**	**(895.9, 917.4)**
Female	30.0	(24.1, 35.8)	420.4	(383.5, 457.3)	745.7	(705.1, 786.2)	1259.6	(1208.0, 1311.3)	1435.6	(1385.8, 1485.3)	1829.7	(1770.6, 1888.8)	1536.1	(1492.2, 1579.9)	1023.2	(1007.3, 1039.2)
Male	30.3	(24.5, 36.1)	172.7	(149.9, 195.4)	529.2	(494.4, 564.0)	867.9	(825.4, 910.3)	1060.8	(1017.3, 1104.3)	1630.2	(1571.9, 1688.6)	1088.6	(1045.7, 1131.4)	727.7	(713.9, 741.6)
Stone County	**35.4**	**(30.7, 40.2)**	**286.9**	**(262.5, 311.3)**	**531.4**	**(503.3, 559.4)**	**749.5**	**(720.2, 778.8)**	**958.7**	**(931.1, 986.2)**	**1192.5**	**(1164.1, 1221.0)**	**1381.7**	**(1355.7, 1407.7)**	**835.2**	**(825.2, 845.2)**
Female	35.2	(28.5, 41.9)	331.4	(293.3, 369.6)	634.4	(590.9, 677.9)	779.3	(737.7, 820.9)	954.7	(916.5, 992.9)	1217.0	(1177.3, 1256.8)	1589.1	(1550.0, 1628.2)	911.6	(897.0, 926.3)
Male	34.6	(28.0, 41.2)	196.1	(168.4, 223.9)	389.1	(355.2, 422.9)	667.5	(627.9, 707.1)	902.1	(863.5, 940.6)	1113.2	(1073.3, 1153.0)	1122.9	(1089.6, 1156.2)	715.6	(702.4, 728.7)
Taney County	**44.9**	**(41.0, 48.8)**	**168.4**	**(157.1, 179.7)**	**589.8**	**(570.3, 609.3)**	**985.0**	**(960.2, 1009.8)**	**1389.7**	**(1362.3, 1417.1)**	**2031.9**	**(1998.0, 2065.7)**	**1882.5**	**(1854.4, 1910.6)**	**1004.0**	**(995.4, 1012.7)**
Female	35.4	(30.5, 40.4)	162.0	(146.7, 177.3)	645.5	(616.9, 674.1)	962.4	(928.2, 996.7)	1380.4	(1342.1, 1418.8)	1780.0	(1736.7, 1823.3)	1946.3	(1907.3, 1985.4)	1003.6	(991.6, 1015.7)
Male	37.8	(32.8, 42.8)	116.9	(103.3, 130.5)	355.1	(333.5, 376.7)	691.1	(661.4, 720.8)	995.0	(962.0, 1028.1)	1772.6	(1726.2, 1819.0)	1358.0	(1322.9, 1393.0)	734.9	(724.3, 745.5)
Vernon County	**46.6**	**(40.7, 52.4)**	**193.5**	**(173.5, 213.6)**	**445.5**	**(418.3, 472.7)**	**608.4**	**(577.3, 639.5)**	**949.3**	**(914.7, 984.0)**	**1294.2**	**(1252.0, 1336.4)**	**1143.6**	**(1108.0, 1179.1)**	**641.9**	**(631.2, 652.7)**
Female	42.0	(34.0, 50.0)	204.3	(176.6, 232.0)	550.1	(507.7, 592.4)	759.8	(711.4, 808.3)	1015.6	(965.2, 1066.0)	1432.6	(1370.6, 1494.6)	1332.7	(1281.5, 1383.8)	745.9	(729.7, 762.1)
Male	50.7	(42.3, 59.2)	163.2	(135.7, 190.8)	331.6	(298.2, 365.0)	441.5	(403.4, 479.6)	857.0	(810.2, 903.8)	1132.8	(1076.3, 1189.3)	891.6	(844.2, 939.0)	521.9	(507.9, 535.8)
Wayne County	**33.1**	**(26.4, 39.9)**	**274.5**	**(242.0, 307.1)**	**844.8**	**(793.5, 896.2)**	**848.7**	**(803.0, 894.4)**	**1471.9**	**(1419.4, 1524.5)**	**2026.2**	**(1963.6, 2088.9)**	**1373.4**	**(1330.7, 1416.1)**	**1016.1**	**(999.1, 1033.1)**
Female	34.3	(24.4, 44.2)	392.4	(336.0, 448.8)	996.7	(916.9, 1076.4)	952.7	(885.3, 1020.2)	1530.3	(1454.5, 1606.0)	1930.7	(1845.7, 2015.8)	1537.2	(1474.0, 1600.4)	1099.0	(1074.0, 1124.0)
Male	28.7	(20.0, 37.3)	146.9	(114.1, 179.8)	656.6	(593.3, 719.9)	650.8	(593.3, 708.3)	1300.5	(1230.7, 1370.3)	1915.4	(1827.7, 2003.0)	1088.9	(1034.6, 1143.3)	846.4	(824.5, 868.4)
Total	**39.8**	**(39.4, 40.1)**	**196.7**	**(195.4, 197.9)**	**466.6**	**(465.0, 468.3)**	**715.1**	**(713.0, 717.3)**	**852.1**	**(850.0, 854.2)**	**1515.6**	**(1512.4, 1518.8)**	**1538.0**	**(1535.0, 1541.0)**	**696.0**	**(695.2, 696.7)**
Female	34.3	(33.9, 34.8)	198.3	(196.5, 200.0)	479.4	(477.1, 481.8)	705.6	(702.6, 708.6)	824.8	(821.8, 827.7)	1393.8	(1389.5, 1398.0)	1516.4	(1512.5, 1520.4)	697.8	(696.7, 698.8)
Male	33.5	(33.0, 33.9)	132.8	(131.4, 134.3)	322.2	(320.2, 324.2)	506.4	(503.9, 508.9)	632.9	(630.3, 635.6)	1221.3	(1217.2, 1225.5)	1181.9	(1177.9, 1186.0)	506.8	(505.8, 507.7)

Table 7. Opioid dispensations by primary drug ingredient.

Primary Ingredient	Dispensation Count	Rate	95% CI	% of Dispensations
Buprenorphine	150,267	31.1	(31.0, 31.3)	4.5%
Butorphanol	2,872	0.6	(0.6, 0.6)	0.1%
Codeine	174,788	36.2	(36.0, 36.4)	5.2%
Dihydrocodeine	3	0.0	(0.0, 0.0)	0.0%
Fentanyl	60,097	12.5	(12.4, 12.6)	1.8%
Hydrocodone	1,323,398	274.2	(273.8, 274.7)	39.4%
Hydromorphone	27,158	5.6	(5.6, 5.7)	0.8%
Levorphanol	403	0.1	(0.1, 0.1)	0.0%
Meperidine	1,984	0.4	(0.4, 0.4)	0.1%
Methadone	28,909	6.0	(5.9, 6.1)	0.9%
Morphine	112,708	23.4	(23.2, 23.5)	3.4%
Opium	1,566	0.3	(0.3, 0.3)	0.0%
Oxycodone	770,807	159.7	(159.4, 160.1)	22.9%
Oxymorphone	3,389	0.7	(0.7, 0.7)	0.1%
Pentazocine	521	0.1	(0.1, 0.1)	0.0%
Tapentadol	7,573	1.6	(1.5, 1.6)	0.2%
Tramadol	692,415	143.5	(143.1, 143.8)	20.6%
Total	**3,358,858**	**696.0**	**(695.2, 696.7)**	

Table 8. Opioid dispensations by morphine milligram equivalent (MME) category.

MME Category	Dispensation Count	Rate	95% CI	% of Dispensations
<50	**2,231,959**	**462.5**	**(461.9, 463.1)**	**75.1%**
Female	1,248,129	503.7	(502.8, 504.6)	42.0%
Male	789,820	336.4	(335.6, 337.1)	26.6%
50-89	**445,651**	**92.3**	**(92.1, 92.6)**	**15.0%**
Female	230,892	93.2	(92.8, 93.6)	7.8%
Male	175,907	74.9	(74.6, 75.3)	5.9%
90+	**295,178**	**61.2**	**(60.9, 61.4)**	**9.9%**
Female	140,821	56.8	(56.5, 57.1)	4.7%
Male	125,693	53.5	(53.2, 53.8)	4.2%

Table 9. Long-term opioid dispensations by morphine milligram equivalent (MME) category.

MME Category (long-term opioid patients)	Dispensation Count	Rate	95% CI	% of Dispensations
<50	281,663	58.4	(58.1, 58.6)	69.7%
50-89	61,825	12.8	(12.7, 12.9)	15.3%
90+	60,884	12.6	(12.5, 12.7)	15.1%

Table 10. Buprenorphine dispensation rates per 1,000 population by jurisdiction.

Buprenorphine	2017		2018		% change from
Jurisdiction	Rate	95% CI	Rate	95% CI	2017-2018
Andrew County			2.5	(1.8, 3.3)	
Audrain County	1.1	(0.7, 1.5)	2.2	(1.6, 2.7)	96%
Barry County			1.8	(1.4, 2.3)	
Bates County	1.6	(1.0, 2.2)	2.3	(1.6, 3.0)	44%
Benton County	1.7	(1.1, 2.3)	2.2	(1.5, 2.8)	28%
Bollinger County	0.9	(0.4, 1.4)	2.2	(1.4, 3.0)	145%
Boone County	3.5	(3.2, 3.8)	3.5	(3.2, 3.8)	-2%
Butler County	2.3	(1.9, 2.8)	4.9	(4.2, 5.5)	109%
Cape Girardeau County			5.1	(4.6, 5.6)	
Carroll County			1.3	(0.6, 2.0)	
Carter County			2.7	(1.4, 4.0)	
Cass County			1.9	(1.7, 2.2)	
Clay County			2.0	(1.7, 2.3)	
Cole County	3.5	(3.1, 3.9)	4.4	(3.9, 4.9)	27%
Cooper County	0.9	(0.4, 1.3)	1.7	(1.1, 2.3)	100%
Dunklin County			2.4	(1.9, 3.0)	
Franklin County			3.6	(3.2, 4.0)	
Gasconade County	2.5	(1.7, 3.3)	3.8	(2.8, 4.8)	53%
Greene County	3.3	(3.1, 3.5)	6.3	(6.0, 6.6)	91%
Grundy County			2.3	(1.4, 3.3)	
Harrison County			1.8	(0.9, 2.7)	
Howard County			0.7	(0.2, 1.2)	
Iron County			4.4	(3.2, 5.7)	
Jackson County	2.2	(2.1, 2.4)	2.4	(2.3, 2.6)	8%
Jasper County (incl. Joplin City)			2.5	(2.2, 2.8)	
Jefferson County	2.5	(2.3, 2.7)	4.2	(3.9, 4.4)	67%
Johnson County	1.4	(1.1, 1.7)	1.9	(1.5, 2.2)	34%
Joplin City (incl. Jasper & Newton Counties)			4.0	(3.5, 4.6)	
Kansas City	1.4	(1.3, 1.5)	2.0	(1.9, 2.1)	42%
Lafayette County			2.5	(2.0, 3.0)	
Lincoln County	3.2	(2.7, 3.7)	4.4	(3.8, 5.0)	37%
Livingston County			1.4	(0.8, 2.0)	
Madison County	3.5	(2.5, 4.6)	5.3	(4.0, 6.6)	51%
McDonald County	0.1	(0.0, 0.3)	1.0	(0.6, 1.5)	700%
Miller County	1.4	(0.9, 1.8)	1.9	(1.3, 2.4)	35%
Montgomery County	1.6	(0.9, 2.3)	2.5	(1.6, 3.3)	58%
New Madrid County	0.5	(0.2, 0.9)	2.2	(1.5, 2.9)	320%
Newton County (incl. Joplin City)			1.3	(1.0, 1.5)	
Osage County	0.9	(0.4, 1.4)	1.5	(0.9, 2.2)	62%
Pemiscot Coun ty	0.9	(0.4, 1.3)	1.7	(1.1, 2.4)	100%
Perry County	1.1	(0.6, 1.5)	2.3	(1.6, 2.9)	115%
Pettis County	1.5	(1.1, 1.9)	2.0	(1.6, 2.4)	31%
Polk County			2.3	(1.8, 2.8)	
Reynolds County			5.2	(3.5, 7.0)	
St. Charles County	2.9	(2.7, 3.1)	3.7	(3.5, 3.9)	26%
St. Francois County	4.7	(4.1, 5.2)	7.9	(7.2, 8.6)	69%
City of St. Joseph			6.0	(5.5, 6.6)	
St. Louis County	1.8	(1.7, 1.9)	2.2	(2.1, 2.3)	26%
St. Louis City	5.3	(5.0, 5.6)	8.7	(8.3, 9.0)	64%
Ste. Genevieve County	1.8	(1.2, 2.4)	3.1	(2.3, 3.9)	70%
Saline County	0.8	(0.4, 1.1)	0.9	(0.5, 1.3)	22%
Scott County			3.9	(3.3, 4.5)	
Stoddard County	3.1	(2.5, 3.8)	4.7	(3.9, 5.4)	49%
Stone County			3.4	(2.8, 4.1)	
Taney County			4.7	(4.1, 5.3)	
Vernon County	1.4	(0.9, 1.9)	2.5	(1.8, 3.1)	79%
Wayne County	3.3	(2.3, 4.2)	5.7	(4.4, 7.0)	75%
Total	2.5	(2.4, 2.5)	3.5	(3.4, 3.5)	40%

Table 11a. Benzodiazepine dispensation rates per 1,000 population by jurisdiction, age, & gender; jurisdictions A-G.

Benzodiazepines	<18		18-24		25-34		35-44		45-54		55-64		65+		Total	
Jurisdictions A-G	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI
Andrew County	**13.4**	**(9.9, 16.9)**	**86.1**	**(70.2, 102.0)**	**146.1**	**(128.9, 163.3)**	**240.6**	**(220.1, 261.0)**	**256.5**	**(237.4, 275.6)**	**454.1**	**(426.8, 481.5)**	**449.0**	**(423.7, 474.4)**	**227.4**	**(220.3, 234.5)**
Female	9.2	(5.0, 13.4)	102.5	(78.1, 126.9)	185.3	(158.2, 212.4)	296.9	(264.7, 329.1)	290.6	(261.9, 319.3)	559.6	(516.5, 602.8)	508.7	(472.8, 544.5)	274.3	(263.3, 285.3)
Male	8.6	(4.7, 12.6)	51.0	(33.7, 68.4)	89.7	(70.5, 108.9)	112.0	(92.3, 131.8)	142.2	(122.0, 162.5)	276.8	(246.8, 306.8)	281.1	(250.6, 311.7)	129.4	(121.8, 137.0)
Audrain County	**22.3**	**(18.6, 26.0)**	**131.4**	**(115.8, 147.0)**	**284.4**	**(266.0, 302.7)**	**441.9**	**(418.6, 465.3)**	**487.3**	**(464.5, 510.2)**	**891.1**	**(857.5, 924.6)**	**756.6**	**(729.9, 783.3)**	**402.1**	**(394.3, 409.9)**
Female	13.8	(9.6, 18.0)	136.8	(115.5, 158.1)	308.4	(283.7, 333.0)	494.9	(462.2, 527.6)	626.6	(591.1, 662.1)	1092.3	(1040.6, 1144.0)	804.0	(768.1, 839.9)	474.7	(463.2, 486.2)
Male	29.7	(23.9, 35.5)	124.7	(101.9, 147.5)	235.4	(209.1, 261.8)	370.9	(338.3, 403.5)	328.0	(300.6, 355.4)	669.6	(627.8, 711.5)	681.8	(642.5, 721.2)	314.1	(304.0, 324.2)
Barry County	**3.7**	**(2.4, 4.9)**	**11.0**	**(7.1, 14.9)**	**60.0**	**(52.0, 67.9)**	**133.2**	**(122.2, 144.3)**	**169.6**	**(158.6, 180.7)**	**359.1**	**(342.1, 376.1)**	**311.6**	**(297.8, 325.4)**	**152.0**	**(148.0, 156.1)**
Female	5.5	(3.3, 7.8)	11.5	(5.7, 17.4)	70.0	(58.0, 82.0)	184.7	(166.3, 203.0)	224.9	(206.7, 243.0)	415.2	(389.5, 440.9)	376.4	(355.8, 397.0)	191.3	(184.9, 197.7)
Male	1.9	(0.6, 3.2)	9.3	(4.3, 14.4)	47.8	(37.8, 57.9)	81.0	(68.7, 93.2)	114.0	(101.3, 126.7)	298.8	(276.8, 320.9)	231.7	(214.1, 249.4)	110.7	(105.8, 115.6)
Bates County	**17.4**	**(13.4, 21.4)**	**104.1**	**(86.0, 122.1)**	**309.8**	**(284.5, 335.1)**	**525.3**	**(493.2, 557.4)**	**504.4**	**(477.2, 531.6)**	**902.2**	**(861.8, 942.7)**	**868.8**	**(835.6, 902.1)**	**449.1**	**(439.1, 459.2)**
Female	16.0	(10.5, 21.5)	152.3	(121.2, 183.4)	396.5	(355.8, 437.2)	636.4	(585.8, 686.9)	601.8	(559.8, 643.8)	1085.2	(1023.4, 1147.0)	1018.8	(970.8, 1066.9)	555.7	(539.9, 571.4)
Male	18.2	(12.6, 23.9)	55.9	(37.4, 74.4)	192.3	(164.3, 220.4)	388.0	(349.4, 426.6)	357.9	(325.4, 390.4)	675.1	(624.8, 725.4)	638.9	(595.8, 682.0)	314.7	(302.7, 326.7)
Benton County	**36.7**	**(30.3, 43.1)**	**108.5**	**(88.9, 128.2)**	**340.1**	**(309.3, 371.0)**	**473.4**	**(442.3, 504.5)**	**578.3**	**(550.6, 606.1)**	**659.7**	**(632.7, 686.8)**	**658.4**	**(635.8, 681.1)**	**462.1**	**(452.5, 471.8)**
Female	31.2	(22.7, 39.6)	179.9	(143.3, 216.4)	425.8	(376.8, 474.9)	590.0	(541.4, 638.6)	740.6	(695.8, 785.5)	788.0	(746.7, 829.2)	814.6	(779.2, 850.0)	576.2	(561.0, 591.5)
Male	41.3	(31.8, 50.7)	39.2	(22.8, 55.6)	214.8	(180.2, 249.4)	332.2	(295.0, 369.5)	380.1	(348.6, 411.5)	471.5	(438.7, 504.3)	467.3	(440.2, 494.4)	319.2	(307.8, 330.5)
Bollinger County	**17.5**	**(12.7, 22.3)**	**105.5**	**(85.0, 126.1)**	**295.1**	**(265.3, 325.0)**	**532.3**	**(495.6, 569.0)**	**727.8**	**(690.0, 765.7)**	**1114.3**	**(1063.9, 1164.6)**	**1112.7**	**(1067.1, 1158.2)**	**560.4**	**(547.2, 573.6)**
Female	9.2	(4.2, 14.1)	104.8	(75.8, 133.9)	344.2	(297.8, 390.7)	563.0	(510.3, 615.7)	858.9	(800.2, 917.7)	1199.8	(1125.7, 1273.8)	1394.1	(1324.1, 1464.2)	658.0	(637.8, 678.3)
Male	24.0	(16.2, 31.9)	97.9	(69.9, 125.9)	233.0	(196.2, 269.8)	472.9	(423.3, 522.5)	559.4	(512.9, 605.9)	996.5	(929.3, 1063.6)	763.4	(708.4, 818.5)	440.6	(424.1, 457.1)
Boone County	**22.5**	**(20.9, 24.1)**	**58.2**	**(55.7, 60.8)**	**251.7**	**(245.5, 258.0)**	**463.3**	**(453.5, 473.1)**	**505.3**	**(495.5, 515.2)**	**718.8**	**(705.7, 731.9)**	**909.4**	**(894.1, 924.6)**	**325.3**	**(322.5, 328.1)**
Female	17.8	(15.8, 19.8)	64.9	(61.2, 68.7)	308.2	(298.4, 318.0)	564.4	(549.3, 579.5)	615.4	(600.3, 630.5)	865.5	(845.6, 885.4)	1038.8	(1017.3, 1060.2)	397.0	(392.7, 401.2)
Male	26.7	(24.3, 29.1)	47.6	(44.2, 51.0)	182.2	(174.7, 189.7)	339.0	(327.0, 351.0)	370.8	(358.5, 383.1)	525.6	(509.5, 541.8)	710.2	(689.6, 730.8)	237.2	(233.8, 240.6)
Butler County	**19.8**	**(17.0, 22.5)**	**88.4**	**(78.6, 98.2)**	**394.5**	**(377.1, 411.8)**	**692.8**	**(670.1, 715.5)**	**777.9**	**(756.0, 799.8)**	**1079.4**	**(1052.2, 1106.6)**	**1005.6**	**(982.6, 1028.7)**	**567.2**	**(560.1, 574.3)**
Female	17.3	(13.6, 21.0)	92.1	(78.0, 106.3)	524.3	(496.8, 551.9)	871.1	(835.4, 906.7)	909.3	(876.3, 942.3)	1291.9	(1250.8, 1333.0)	1091.1	(1059.2, 1123.0)	682.6	(671.8, 693.5)
Male	14.9	(11.5, 18.2)	45.7	(35.8, 55.7)	166.7	(150.3, 183.2)	361.6	(338.1, 385.1)	461.1	(436.9, 485.3)	612.0	(582.3, 641.7)	596.8	(569.8, 623.7)	309.1	(301.5, 316.7)
Cape Girardeau County	**16.0**	**(14.0, 17.9)**	**67.3**	**(62.4, 72.3)**	**360.2**	**(348.1, 372.2)**	**625.3**	**(608.8, 641.8)**	**717.6**	**(701.3, 733.9)**	**1081.4**	**(1059.9, 1103.0)**	**1292.9**	**(1271.5, 1314.3)**	**542.7**	**(537.5, 548.0)**
Female	16.6	(13.8, 19.4)	58.1	(51.8, 64.5)	374.8	(357.4, 392.3)	665.2	(641.3, 689.1)	855.1	(830.2, 880.1)	1233.8	(1201.7, 1265.8)	1470.8	(1440.9, 1500.7)	631.9	(624.0, 639.8)
Male	9.8	(7.7, 11.9)	53.0	(46.6, 59.4)	271.0	(256.2, 285.8)	453.2	(433.2, 473.2)	477.4	(458.5, 496.4)	766.1	(740.1, 792.2)	864.3	(837.2, 891.4)	363.3	(357.1, 369.5)
Carroll County	**3.8**	**(1.2, 6.4)**	**95.7**	**(71.8, 119.6)**	**126.2**	**(104.1, 148.3)**	**281.8**	**(250.8, 312.8)**	**302.5**	**(272.8, 332.2)**	**366.6**	**(333.0, 400.2)**	**418.6**	**(388.5, 448.6)**	**227.2**	**(217.6, 236.9)**
Female	*	*	91.7	(58.9, 124.5)	107.2	(78.8, 135.5)	306.3	(260.9, 351.7)	317.8	(274.4, 361.1)	425.3	(373.7, 476.8)	362.4	(325.1, 399.7)	229.6	(216.0, 243.2)
Male	*	*	*	*	52.4	(31.8, 72.9)	98.5	(72.5, 124.6)	152.6	(122.9, 182.2)	142.8	(113.3, 172.3)	216.5	(183.8, 249.3)	98.8	(89.6, 107.9)
Carter County	**9.4**	**(4.5, 14.3)**	**29.9**	**(15.2, 44.7)**	**177.3**	**(144.9, 209.6)**	**256.4**	**(220.1, 292.7)**	**356.5**	**(318.3, 394.7)**	**542.5**	**(492.9, 592.2)**	**632.3**	**(584.0, 680.6)**	**285.4**	**(272.1, 298.6)**
Female	10.2	(3.1, 17.3)	28.7	(8.7, 48.8)	267.6	(210.8, 324.4)	312.8	(256.5, 369.1)	453.6	(392.1, 515.2)	682.1	(605.3, 758.8)	753.6	(681.5, 825.6)	359.0	(338.3, 379.7)
Male	8.5	(1.9, 15.2)	31.2	(9.5, 53.0)	90.5	(58.1, 122.8)	172.3	(129.8, 214.8)	233.8	(190.6, 277.1)	355.7	(297.2, 414.1)	442.8	(383.4, 502.2)	188.4	(173.0, 203.7)
Cass County	**23.6**	**(21.8, 25.5)**	**170.0**	**(160.7, 179.3)**	**328.7**	**(318.5, 338.9)**	**510.8**	**(498.7, 523.0)**	**577.8**	**(565.7, 589.8)**	**935.3**	**(917.5, 953.0)**	**752.0**	**(737.3, 766.6)**	**425.0**	**(421.0, 429.1)**
Female	19.7	(17.3, 22.1)	126.1	(114.5, 137.6)	255.0	(242.5, 267.5)	455.7	(439.6, 471.9)	552.2	(535.6, 568.7)	855.1	(831.6, 878.6)	767.9	(748.1, 787.6)	404.1	(398.6, 409.6)
Male	15.6	(13.5, 17.8)	93.9	(84.3, 103.5)	167.5	(157.0, 178.0)	232.5	(220.8, 244.3)	269.1	(257.4, 280.8)	472.0	(453.7, 490.2)	416.3	(399.8, 432.7)	208.5	(204.4, 212.5)
Clay County	**18.5**	**(16.9, 20.1)**	**133.0**	**(125.3, 140.6)**	**253.8**	**(245.9, 261.7)**	**440.8**	**(430.4, 451.2)**	**553.6**	**(542.1, 565.1)**	**829.9**	**(813.8, 846.0)**	**840.5**	**(824.2, 856.8)**	**385.8**	**(382.1, 389.5)**
Female	11.4	(9.6, 13.2)	103.5	(94.0, 113.0)	213.1	(203.0, 223.3)	413.8	(399.6, 427.9)	515.6	(500.0, 531.2)	743.5	(722.4, 764.5)	763.6	(743.1, 784.1)	358.5	(353.5, 363.5)
Male	13.2	(11.3, 15.1)	64.0	(56.5, 71.5)	144.2	(135.7, 152.7)	189.4	(179.7, 199.1)	255.0	(243.9, 266.2)	437.7	(420.8, 454.7)	476.4	(457.7, 495.1)	190.4	(186.6, 194.1)
Cole County	**19.7**	**(17.6, 21.7)**	**92.3**	**(85.2, 99.5)**	**242.6**	**(233.1, 252.0)**	**424.3**	**(411.6, 436.9)**	**503.0**	**(490.0, 515.9)**	**806.3**	**(788.3, 824.3)**	**1095.5**	**(1074.3, 1116.8)**	**415.8**	**(411.2, 420.4)**
Female	21.4	(18.3, 24.4)	104.6	(93.8, 115.4)	334.4	(318.1, 350.7)	542.8	(521.8, 563.8)	654.1	(632.9, 675.3)	958.4	(930.7, 986.1)	1279.1	(1248.9, 1309.3)	527.8	(520.5, 535.2)
Male	15.1	(12.6, 17.7)	74.9	(65.9, 84.0)	137.5	(127.8, 147.2)	273.2	(259.4, 287.0)	314.5	(300.2, 328.8)	573.2	(551.7, 594.7)	788.5	(760.8, 816.2)	270.8	(265.6, 276.0)
Cooper County	**6.8**	**(4.2, 9.3)**	**41.2**	**(31.6, 50.9)**	**137.1**	**(122.3, 151.9)**	**282.5**	**(259.6, 305.5)**	**257.6**	**(238.1, 277.1)**	**361.0**	**(335.6, 386.4)**	**289.0**	**(268.8, 309.3)**	**183.9**	**(177.6, 190.2)**
Female	5.2	(2.0, 8.4)	109.4	(82.4, 136.4)	249.0	(217.3, 280.6)	380.6	(342.0, 419.2)	359.6	(326.6, 392.5)	517.3	(474.8, 559.8)	353.6	(323.8, 383.4)	270.0	(258.8, 281.1)
Male	7.8	(4.0, 11.6)	6.2	(1.6, 10.9)	62.0	(49.2, 74.8)	174.8	(149.9, 199.6)	122.2	(103.4, 140.9)	166.3	(141.6, 191.1)	183.4	(158.9, 208.0)	92.3	(86.1, 98.4)
Dunklin County	**18.1**	**(15.2, 21.1)**	**127.1**	**(113.5, 140.8)**	**576.1**	**(551.3, 600.9)**	**1049.7**	**(1017.6, 1081.8)**	**1330.9**	**(1296.9, 1364.9)**	**1763.4**	**(1722.4, 1804.4)**	**1295.0**	**(1264.2, 1325.7)**	**828.6**	**(818.6, 838.5)**
Female	14.2	(10.4, 17.9)	150.1	(129.6, 170.7)	824.2	(783.2, 865.1)	1374.6	(1323.4, 1425.8)	1702.4	(1648.6, 1756.1)	2004.8	(1944.6, 2065.0)	1467.1	(1424.1, 1510.0)	1033.5	(1018.0, 1049.0)
Male	21.3	(16.9, 25.7)	102.3	(84.7, 119.9)	299.4	(273.6, 325.3)	699.3	(661.8, 736.9)	919.2	(878.8, 959.7)	1464.8	(1410.4, 1519.3)	1049.2	(1006.6, 1091.8)	597.1	(584.9, 609.3)
Franklin County	**16.5**	**(14.9, 18.1)**	**105.8**	**(98.8, 112.7)**	**286.0**	**(276.3, 295.6)**	**465.2**	**(453.6, 476.9)**	**550.6**	**(539.3, 561.8)**	**971.8**	**(954.4, 989.2)**	**939.3**	**(923.3, 955.4)**	**444.3**	**(440.2, 448.4)**
Female	13.1	(11.1, 15.2)	112.6	(102.3, 122.8)	339.8	(324.9, 354.8)	536.8	(519.2, 554.4)	681.0	(663.2, 698.7)	1119.6	(1093.3, 1145.9)	1034.6	(1012.1, 1057.0)	526.2	(519.9, 532.5)
Male	17.2	(14.9, 19.5)	80.2	(71.7, 88.6)	184.8	(174.0, 195.7)	279.0	(266.2, 291.8)	318.0	(305.9, 330.1)	640.6	(620.5, 660.7)	651.3	(631.1, 671.5)	279.2	(274.6, 283.8)
Gasconade County	**12.2**	**(8.5, 15.9)**	**28.8**	**(18.5, 39.2)**	**221.2**	**(197.3, 245.2)**	**358.4**	**(330.2, 386.6)**	**270.8**	**(250.2, 291.3)**	**571.7**	**(539.3, 604.1)**	**594.7**	**(567.4, 622.0)**	**308.8**	**(299.9, 317.6)**
Female	13.1	(7.6, 18.6)	35.4	(19.0, 51.7)	320.1	(279.1, 361.1)	496.5	(449.7, 543.4)	339.8	(306.6, 372.9)	778.8	(725.6, 832.0)	781.7	(740.0, 823.4)	422.9	(408.4, 437.4)
Male	11.3	(6.2, 16.4)	22.6	(9.8, 35.4)	119.1	(94.4, 143.9)	219.3	(188.0, 250.5)	194.9	(170.6, 219.3)	353.0	(316.8, 389.2)	337.8	(306.6, 369.0)	183.9	(174.2, 193.7)
Greene County	**21.3**	**(20.1, 22.5)**	**72.2**	**(69.5, 75.0)**	**335.8**	**(329.8, 341.7)**	**597.5**	**(588.8, 606.2)**	**672.0**	**(663.4, 680.6)**	**974.3**	**(963.2, 985.4)**	**987.1**	**(977.0, 997.2)**	**477.3**	**(474.6, 479.9)**
Female	19.3	(17.6, 20.9)	76.5	(72.6, 80.5)	407.3	(397.8, 416.7)	711.6	(698.1, 725.1)	809.9	(796.7, 823.1)	1063.0	(1047.1, 1078.9)	1131.9	(1117.7, 1146.1)	568.6	(564.6, 572.7)
Male	21.7	(19.9, 23.4)	55.7	(52.2, 59.2)	219.5	(212.9, 226.2)	395.9	(386.0, 405.7)	435.7	(425.9, 445.6)	729.6	(715.7, 743.5)	654.9	(642.1, 667.7)	315.6	(312.5, 318.7)
Grundy County	**4.9**	**(2.1, 7.6)**	**31.5**	**(20.3, 42.8)**	**222.4**	**(193.4, 251.4)**	**418.4**	**(379.6, 457.2)**	**515.9**	**(478.5, 553.3)**	**716.7**	**(669.7, 763.7)**	**757.6**	**(720.4, 794.8)**	**382.8**	**(370.8, 394.8)**
Female	*	*	26.7	(11.6, 41.8)	328.8	(279.6, 378.1)	536.0	(474.3, 597.7)	694.9	(633.5, 756.3)	898.6	(824.6, 972.5)	971.5	(916.5, 1026.6)	508.8	(489.7, 527.8)
Male	7.6	(2.6, 12.6)	35.9	(19.3, 52.5)	108.9	(79.8, 137.9)	295.2	(248.8, 341.7)	328.1	(285.9, 370.4)	528.5	(471.0, 585.9)	454.0	(409.2, 498.8)	242.7	(228.9, 256.5)

* indicates the rate has been suppressed.

Table 11b. Benzodiazepine dispensation rates per 1,000 population by jurisdiction, age, & gender; jurisdictions H-O.

Benzodiazepines	<18		18-24		25-34		35-44		45-54		55-64		65+		Total	
Jurisdictions H-O	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI
Harrison County	**9.4**	**(5.4, 13.5)**	**34.8**	**(20.4, 49.3)**	**150.1**	**(125.1, 175.0)**	**157.0**	**(131.8, 182.3)**	**143.8**	**(123.1, 164.5)**	**363.6**	**(327.6, 399.6)**	**234.8**	**(212.7, 256.9)**	**150.0**	**(142.0, 158.0)**
Female	15.9	(8.2, 23.5)	*	*	194.6	(154.6, 234.5)	169.8	(132.1, 207.6)	252.8	(213.8, 291.8)	447.6	(390.6, 504.7)	262.9	(231.8, 293.9)	190.9	(178.2, 203.7)
Male	*	*	62.9	(35.0, 90.9)	88.2	(61.0, 115.4)	145.0	(111.1, 178.8)	36.8	(22.0, 51.5)	282.9	(238.4, 327.3)	194.6	(164.2, 225.1)	106.0	(96.5, 115.6)
Howard County	**17.4**	**(11.9, 23.0)**	**27.1**	**(18.4, 35.9)**	**188.7**	**(163.0, 214.4)**	**449.3**	**(409.2, 489.4)**	**282.5**	**(255.8, 309.1)**	**596.3**	**(554.1, 638.4)**	**530.8**	**(495.2, 566.4)**	**278.0**	**(267.7, 288.3)**
Female	8.5	(3.0, 14.1)	33.1	(19.3, 47.0)	243.6	(202.4, 284.9)	486.8	(427.4, 546.2)	341.2	(299.7, 382.7)	745.4	(678.9, 811.8)	626.4	(574.5, 678.3)	338.2	(322.3, 354.2)
Male	25.8	(16.4, 35.2)	21.4	(10.6, 32.3)	133.5	(102.8, 164.1)	411.0	(357.2, 464.8)	220.5	(187.3, 253.6)	428.1	(377.4, 478.8)	408.4	(361.5, 455.2)	213.6	(200.9, 226.4)
Iron County	**15.0**	**(10.1, 19.9)**	**52.9**	**(37.2, 68.6)**	**208.5**	**(181.9, 235.1)**	**489.4**	**(451.0, 527.9)**	**571.2**	**(534.3, 608.1)**	**919.7**	**(870.9, 968.4)**	**659.1**	**(622.6, 695.6)**	**421.4**	**(409.0, 433.7)**
Female	11.7	(5.5, 17.8)	59.7	(35.6, 83.7)	300.7	(255.6, 345.8)	659.5	(595.6, 723.4)	655.0	(599.1, 710.8)	1084.8	(1010.5, 1159.1)	764.2	(711.5, 816.9)	515.3	(496.1, 534.5)
Male	18.3	(10.7, 25.9)	46.6	(26.1, 67.1)	115.3	(87.3, 143.4)	316.0	(272.8, 359.1)	455.1	(408.6, 501.7)	723.8	(662.1, 785.4)	510.8	(462.5, 559.1)	312.5	(297.4, 327.6)
Jackson County (exc. Kansas City)	**24.6**	**(23.6, 25.6)**	**125.9**	**(122.1, 129.6)**	**306.4**	**(301.8, 311.1)**	**593.1**	**(586.2, 600.0)**	**633.7**	**(627.0, 640.4)**	**956.5**	**(947.3, 965.8)**	**864.4**	**(856.0, 872.9)**	**449.4**	**(447.3, 451.6)**
Female	19.1	(17.8, 20.3)	101.0	(96.4, 105.7)	245.9	(240.0, 251.7)	505.7	(496.7, 514.7)	566.5	(557.6, 575.3)	791.3	(779.7, 802.9)	792.4	(781.8, 803.0)	400.3	(397.5, 403.1)
Male	14.5	(13.4, 15.5)	65.7	(61.8, 69.5)	147.3	(142.7, 152.0)	263.2	(256.7, 269.7)	269.2	(263.0, 275.4)	429.6	(420.5, 438.6)	443.0	(433.6, 452.4)	201.6	(199.6, 203.7)
Jasper County (inc. Joplin City)	**21.2**	**(19.5, 22.8)**	**57.4**	**(53.2, 61.7)**	**227.2**	**(219.9, 234.6)**	**456.1**	**(445.0, 467.1)**	**551.4**	**(539.8, 563.0)**	**883.6**	**(867.4, 899.8)**	**896.8**	**(882.0, 911.6)**	**372.6**	**(369.2, 376.1)**
Female	20.9	(18.6, 23.3)	67.5	(61.0, 73.9)	260.8	(249.6, 272.0)	563.9	(546.7, 581.2)	695.8	(677.5, 714.1)	1045.5	(1021.2, 1069.9)	1023.7	(1002.9, 1044.5)	479.4	(473.9, 484.9)
Male	19.7	(17.5, 21.9)	41.2	(36.0, 46.3)	168.1	(159.2, 176.9)	303.9	(291.1, 316.7)	352.0	(338.8, 365.2)	617.9	(598.2, 637.6)	648.6	(629.2, 667.9)	260.6	(256.5, 264.8)
Jefferson County	**21.4**	**(20.2, 22.6)**	**153.1**	**(147.4, 158.8)**	**395.8**	**(388.5, 403.1)**	**681.5**	**(672.2, 690.8)**	**747.4**	**(738.5, 756.3)**	**1325.3**	**(1311.4, 1339.1)**	**1235.9**	**(1221.9, 1249.8)**	**585.5**	**(582.3, 588.7)**
Female	20.1	(18.4, 21.8)	165.3	(156.9, 173.8)	454.3	(443.2, 465.4)	807.1	(792.8, 821.3)	889.9	(876.1, 903.7)	1491.9	(1471.3, 1512.5)	1427.3	(1407.1, 1447.4)	692.6	(687.6, 697.5)
Male	16.4	(14.9, 17.9)	106.1	(99.5, 112.7)	266.2	(257.7, 274.6)	398.7	(388.6, 408.8)	462.4	(452.5, 472.4)	893.2	(877.0, 909.4)	757.0	(740.7, 773.3)	362.9	(359.3, 366.5)
Johnson County	**18.5**	**(16.1, 20.9)**	**45.1**	**(41.0, 49.1)**	**195.7**	**(185.2, 206.2)**	**388.0**	**(371.9, 404.2)**	**389.7**	**(374.8, 404.7)**	**631.3**	**(609.4, 653.1)**	**544.3**	**(525.0, 563.5)**	**250.5**	**(246.2, 254.8)**
Female	16.3	(13.0, 19.5)	48.9	(42.8, 55.0)	240.7	(223.9, 257.4)	462.9	(438.1, 487.7)	436.9	(414.5, 459.2)	724.8	(691.9, 757.8)	551.0	(524.5, 577.6)	285.9	(279.4, 292.3)
Male	18.1	(14.7, 21.4)	31.3	(26.6, 36.1)	118.2	(107.0, 129.5)	232.6	(214.9, 250.3)	245.0	(228.3, 261.7)	386.8	(362.6, 411.0)	452.4	(426.8, 478.0)	164.6	(159.7, 169.5)
Joplin City (in Jasper & Newton Counties)	**33.1**	**(29.7, 36.4)**	**80.4**	**(73.5, 87.4)**	**319.7**	**(306.7, 332.7)**	**669.1**	**(648.1, 690.0)**	**853.3**	**(830.6, 876.0)**	**1422.2**	**(1390.5, 1453.9)**	**1239.9**	**(1214.6, 1265.3)**	**550.5**	**(544.0, 557.0)**
Female	30.6	(26.0, 35.2)	94.5	(84.1, 104.9)	365.1	(345.2, 385.0)	819.9	(787.1, 852.6)	1046.6	(1011.6, 1081.6)	1596.9	(1551.1, 1642.7)	1294.6	(1261.4, 1327.8)	694.0	(683.9, 704.2)
Male	31.7	(27.1, 36.3)	53.0	(44.8, 61.1)	233.6	(218.1, 249.2)	418.7	(395.3, 442.2)	519.8	(494.5, 545.2)	1028.6	(989.0, 1068.2)	974.2	(938.3, 1010.1)	394.4	(386.5, 402.4)
Kansas City	**22.3**	**(21.4, 23.1)**	**92.1**	**(89.4, 94.9)**	**246.4**	**(242.8, 249.9)**	**459.9**	**(454.5, 465.3)**	**482.2**	**(476.8, 487.5)**	**752.6**	**(745.1, 760.2)**	**705.7**	**(698.4, 713.0)**	**345.0**	**(343.3, 346.7)**
Female	14.2	(13.2, 15.2)	61.8	(58.7, 65.0)	167.0	(162.9, 171.1)	331.8	(325.3, 338.2)	358.8	(352.3, 365.3)	576.1	(567.0, 585.2)	538.7	(530.3, 547.0)	262.0	(260.0, 264.1)
Male	14.1	(13.1, 15.0)	43.4	(40.7, 46.2)	117.3	(113.8, 120.7)	190.6	(185.7, 195.5)	194.6	(189.7, 199.4)	315.7	(308.6, 322.9)	318.9	(311.3, 326.6)	145.2	(143.6, 146.8)
Lafayette County	**14.8**	**(12.1, 17.4)**	**116.6**	**(103.6, 129.6)**	**335.9**	**(317.1, 354.7)**	**465.7**	**(444.8, 486.6)**	**552.0**	**(531.8, 572.2)**	**677.3**	**(652.2, 702.5)**	**532.1**	**(512.8, 551.4)**	**363.6**	**(357.2, 370.1)**
Female	7.6	(4.9, 10.3)	107.3	(89.2, 125.3)	370.8	(342.8, 398.8)	538.7	(507.3, 570.0)	615.8	(585.4, 646.2)	707.2	(671.3, 743.1)	596.7	(569.4, 624.1)	406.6	(397.0, 416.3)
Male	17.4	(13.4, 21.3)	87.1	(71.5, 102.8)	213.5	(192.4, 234.6)	262.1	(239.6, 284.5)	348.7	(326.1, 371.3)	432.1	(403.3, 460.9)	328.5	(305.7, 351.3)	223.7	(216.5, 231.0)
Lincoln County	**19.8**	**(17.5, 22.0)**	**108.4**	**(98.5, 118.2)**	**319.1**	**(305.8, 332.4)**	**575.9**	**(558.1, 593.7)**	**675.1**	**(657.5, 692.8)**	**1245.5**	**(1216.4, 1274.6)**	**1005.1**	**(979.1, 1031.1)**	**482.5**	**(476.6, 488.5)**
Female	16.8	(13.8, 19.8)	129.7	(114.6, 144.9)	398.7	(377.9, 419.5)	787.7	(758.1, 817.2)	845.7	(817.5, 873.8)	1440.3	(1396.3, 1484.3)	1213.6	(1174.7, 1252.5)	602.0	(592.6, 611.3)
Male	20.3	(17.1, 23.5)	79.1	(67.2, 91.1)	202.9	(187.7, 218.1)	320.9	(302.2, 339.7)	455.6	(435.1, 476.0)	954.5	(918.3, 990.8)	696.8	(664.9, 728.6)	326.1	(319.2, 333.0)
Livingston County	**9.6**	**(6.3, 12.9)**	**74.0**	**(58.5, 89.6)**	**271.2**	**(247.9, 294.5)**	**456.5**	**(426.3, 486.6)**	**536.7**	**(505.6, 567.7)**	**896.5**	**(854.3, 938.7)**	**1028.6**	**(990.8, 1066.4)**	**477.0**	**(466.0, 488.0)**
Female	4.8	(1.5, 8.1)	101.3	(76.1, 126.5)	305.4	(273.4, 337.4)	507.5	(466.0, 549.0)	674.1	(627.7, 720.5)	1183.6	(1117.0, 1250.2)	1287.7	(1232.2, 1343.2)	605.9	(589.3, 622.6)
Male	14.5	(8.7, 20.3)	42.6	(25.6, 59.7)	219.4	(186.4, 252.3)	381.4	(338.6, 424.3)	350.7	(312.8, 388.6)	566.6	(517.6, 615.5)	657.8	(611.1, 704.4)	313.0	(299.7, 326.3)
Madison County	**14.3**	**(10.0, 18.7)**	**90.8**	**(72.5, 109.2)**	**411.4**	**(377.2, 445.6)**	**614.6**	**(573.5, 655.7)**	**802.2**	**(761.2, 843.2)**	**1278.9**	**(1221.9, 1335.9)**	**1110.8**	**(1066.4, 1155.1)**	**602.2**	**(588.5, 616.0)**
Female	9.2	(4.2, 14.2)	126.7	(96.1, 157.2)	503.0	(449.3, 556.7)	772.5	(707.9, 837.0)	1143.3	(1074.5, 1212.1)	1551.4	(1463.3, 1639.4)	1322.0	(1257.0, 1387.0)	773.5	(751.7, 795.4)
Male	15.8	(9.5, 22.2)	50.6	(31.1, 70.0)	313.7	(271.6, 355.8)	412.3	(364.2, 460.4)	438.8	(395.7, 481.9)	957.0	(886.7, 1027.3)	825.9	(768.6, 883.2)	408.1	(391.9, 424.2)
McDonald County	**9.1**	**(6.8, 11.4)**	**17.5**	**(11.6, 23.4)**	**107.2**	**(94.9, 119.4)**	**214.9**	**(198.4, 231.4)**	**290.7**	**(272.5, 308.8)**	**457.3**	**(431.4, 483.2)**	**408.4**	**(385.1, 431.7)**	**190.7**	**(185.0, 196.3)**
Female	9.6	(6.2, 13.0)	13.1	(5.7, 20.6)	160.7	(139.4, 182.0)	285.9	(258.8, 313.0)	348.9	(320.6, 377.3)	549.0	(509.0, 589.1)	511.7	(475.9, 547.5)	243.3	(234.3, 252.3)
Male	8.7	(5.5, 11.8)	21.4	(12.5, 30.3)	50.7	(38.8, 62.6)	143.8	(124.8, 162.8)	232.0	(209.3, 254.8)	359.1	(326.6, 391.5)	287.2	(258.6, 315.8)	137.0	(130.3, 143.8)
Miller County	**12.2**	**(9.4, 15.0)**	**54.6**	**(44.1, 65.1)**	**137.5**	**(123.8, 151.3)**	**257.8**	**(239.9, 275.8)**	**354.1**	**(335.0, 373.1)**	**593.4**	**(566.8, 620.1)**	**556.6**	**(533.2, 580.0)**	**272.7**	**(266.2, 279.2)**
Female	4.4	(2.0, 6.8)	37.6	(25.2, 50.1)	158.4	(137.5, 179.3)	395.4	(363.9, 426.9)	413.7	(384.5, 442.8)	792.6	(749.1, 836.0)	680.4	(645.4, 715.4)	352.3	(341.8, 362.7)
Male	19.2	(14.3, 24.0)	70.8	(54.1, 87.5)	103.1	(86.2, 119.9)	113.7	(96.8, 130.6)	282.8	(258.7, 306.9)	379.9	(349.6, 410.2)	386.3	(357.3, 415.3)	183.8	(176.2, 191.3)
Montgomery County	**9.1**	**(5.6, 12.6)**	**36.4**	**(23.6, 49.2)**	**147.5**	**(126.6, 168.4)**	**376.5**	**(344.0, 408.9)**	**388.0**	**(360.4, 415.6)**	**828.1**	**(783.8, 872.4)**	**661.0**	**(627.7, 694.3)**	**357.8**	**(347.2, 368.4)**
Female	4.5	(0.9, 8.0)	23.1	(8.0, 38.2)	218.9	(183.4, 254.4)	500.8	(446.7, 554.8)	471.5	(428.6, 514.5)	1043.0	(971.8, 1114.3)	776.5	(728.3, 824.7)	453.7	(436.9, 470.6)
Male	13.3	(7.4, 19.1)	32.5	(16.0, 48.9)	71.7	(50.7, 92.6)	248.3	(211.8, 284.7)	295.8	(261.5, 330.0)	606.2	(553.4, 659.1)	501.0	(457.2, 544.8)	253.5	(240.9, 266.1)
New Madrid County	**25.0**	**(20.4, 29.6)**	**116.9**	**(99.7, 134.0)**	**630.5**	**(597.1, 664.0)**	**963.8**	**(924.1, 1003.5)**	**1063.4**	**(1025.4, 1101.3)**	**1463.1**	**(1415.8, 1510.3)**	**1376.4**	**(1334.7, 1418.0)**	**781.6**	**(769.0, 794.2)**
Female	10.0	(5.8, 14.1)	121.2	(96.4, 146.0)	737.1	(687.3, 786.9)	1123.0	(1062.5, 1183.5)	1261.8	(1204.7, 1318.9)	1670.5	(1600.4, 1740.5)	1575.6	(1517.0, 1634.1)	926.4	(907.4, 945.4)
Male	39.5	(31.4, 47.6)	109.9	(86.4, 133.5)	468.4	(426.5, 510.2)	671.2	(624.2, 718.2)	780.1	(733.0, 827.1)	1165.3	(1104.5, 1226.1)	1025.0	(969.5, 1080.5)	572.8	(557.2, 588.3)
Newton County (inc. Joplin City)	**10.2**	**(8.6, 11.8)**	**38.4**	**(33.1, 43.8)**	**138.4**	**(129.3, 147.4)**	**270.2**	**(258.2, 282.2)**	**308.5**	**(296.6, 320.3)**	**596.2**	**(578.4, 614.0)**	**576.0**	**(560.2, 591.8)**	**250.9**	**(246.8, 255.0)**
Female	10.5	(8.1, 12.8)	42.5	(34.5, 50.5)	153.9	(140.4, 167.3)	319.4	(300.9, 337.8)	388.6	(370.0, 407.3)	695.5	(668.4, 722.6)	666.8	(644.1, 689.6)	319.0	(312.5, 325.5)
Male	9.4	(7.2, 11.6)	26.7	(20.5, 33.0)	107.8	(96.5, 119.2)	188.8	(174.6, 203.0)	195.7	(182.3, 209.1)	443.8	(422.0, 465.6)	425.6	(405.2, 446.1)	181.8	(176.8, 186.7)
Osage County	**10.2**	**(6.8, 13.6)**	**64.1**	**(50.3, 77.9)**	**201.3**	**(178.7, 224.0)**	**251.1**	**(228.0, 274.2)**	**422.5**	**(394.8, 450.2)**	**606.2**	**(568.6, 643.9)**	**859.9**	**(820.0, 899.8)**	**327.9**	**(318.4, 337.5)**
Female	5.4	(1.9, 8.9)	75.4	(51.1, 99.6)	306.5	(265.7, 347.3)	367.6	(327.7, 407.6)	549.3	(503.0, 595.7)	700.8	(642.1, 759.4)	1105.0	(1044.0, 1165.9)	441.4	(425.4, 457.3)
Male	14.7	(9.1, 20.4)	57.2	(40.7, 73.7)	106.0	(83.5, 128.5)	125.0	(102.2, 147.8)	301.0	(269.0, 332.9)	491.3	(444.5, 538.1)	534.3	(487.4, 581.1)	212.6	(202.0, 223.3)

* indicates the rate has been suppressed.

Table 11c. Benzodiazepine dispensation rates per 1,000 population by jurisdiction, age, & gender; jurisdictions P-Z.

Benzodiazepines	<18		18-24		25-34		35-44		45-54		55-64		65+		Total	
Jurisdictions P-Z	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI
Pemiscot County	**17.3**	**(13.7, 20.9)**	**188.8**	**(167.6, 210.0)**	**707.4**	**(671.3, 743.5)**	**1131.1**	**(1086.0, 1176.1)**	**1320.3**	**(1275.7, 1364.9)**	**2089.6**	**(2028.9, 2150.4)**	**1534.3**	**(1487.6, 1581.1)**	**893.1**	**(879.4, 906.8)**
Female	14.9	(10.1, 19.8)	185.7	(156.6, 214.9)	868.0	(813.7, 922.4)	1533.8	(1460.9, 1606.6)	1636.5	(1567.6, 1705.4)	2587.4	(2493.9, 2680.8)	1857.4	(1790.2, 1924.7)	1138.0	(1116.7, 1159.4)
Male	19.6	(14.1, 25.0)	185.7	(155.3, 216.2)	517.2	(471.7, 562.7)	686.4	(635.8, 736.9)	975.5	(920.2, 1030.8)	1533.3	(1457.9, 1608.6)	1067.3	(1006.6, 1127.9)	617.9	(601.3, 634.4)
Perry County	**35.5**	**(30.1, 40.8)**	**129.4**	**(111.1, 147.8)**	**319.3**	**(296.0, 342.5)**	**495.8**	**(467.5, 524.1)**	**475.7**	**(450.0, 501.3)**	**843.3**	**(806.1, 880.4)**	**807.8**	**(775.4, 840.1)**	**419.3**	**(410.1, 428.5)**
Female	34.7	(27.1, 42.3)	152.9	(123.9, 181.8)	424.1	(385.7, 462.4)	648.4	(602.2, 694.6)	650.5	(608.1, 693.0)	1199.1	(1136.3, 1262.0)	948.9	(902.4, 995.4)	558.1	(543.1, 573.1)
Male	36.2	(28.7, 43.7)	105.7	(82.8, 128.5)	214.0	(187.5, 240.6)	333.9	(301.3, 366.4)	287.8	(259.6, 316.0)	469.1	(430.1, 508.2)	592.0	(549.8, 634.2)	268.0	(257.6, 278.5)
Pettis County	**18.7**	**(16.1, 21.3)**	**97.3**	**(87.6, 107.0)**	**266.7**	**(252.9, 280.6)**	**416.6**	**(398.6, 434.5)**	**465.4**	**(448.3, 482.5)**	**742.1**	**(717.8, 766.4)**	**800.7**	**(778.5, 823.0)**	**366.6**	**(360.8, 372.4)**
Female	14.9	(11.6, 18.1)	115.7	(100.8, 130.5)	240.2	(221.5, 258.9)	456.1	(429.5, 482.8)	501.5	(476.3, 526.6)	838.5	(802.1, 874.9)	915.7	(884.3, 947.1)	414.6	(406.0, 423.2)
Male	19.0	(15.4, 22.7)	58.3	(47.7, 69.0)	167.9	(152.5, 183.3)	182.9	(166.1, 199.7)	233.9	(216.8, 250.9)	412.5	(386.7, 438.2)	484.8	(458.2, 511.4)	198.3	(192.2, 204.4)
Polk County	**9.1**	**(6.9, 11.2)**	**20.1**	**(15.5, 24.8)**	**101.0**	**(90.2, 111.8)**	**176.3**	**(162.5, 190.1)**	**212.3**	**(198.7, 225.9)**	**394.5**	**(373.9, 415.2)**	**297.0**	**(281.9, 312.0)**	**158.3**	**(153.9, 162.8)**
Female	6.5	(3.9, 9.1)	25.9	(18.4, 33.5)	142.1	(124.1, 160.1)	208.9	(187.9, 229.8)	290.4	(267.9, 312.9)	475.0	(443.6, 506.4)	361.3	(339.0, 383.6)	203.8	(196.8, 210.9)
Male	11.4	(8.1, 14.8)	14.6	(9.1, 20.1)	54.5	(43.2, 65.7)	136.8	(119.4, 154.1)	126.4	(111.5, 141.3)	301.5	(275.4, 327.6)	203.4	(184.7, 222.1)	107.0	(101.9, 112.2)
Reynolds County	**7.2**	**(3.0, 11.5)**	**7.3**	**(-0.8, 15.4)**	**80.9**	**(58.2, 103.5)**	**189.1**	**(159.1, 219.0)**	**294.6**	**(261.3, 327.8)**	**448.6**	**(405.9, 491.2)**	**434.3**	**(399.1, 469.6)**	**228.1**	**(216.6, 239.5)**
Female	9.1	(2.0, 16.3)	*	*	97.9	(63.8, 132.0)	187.1	(144.6, 229.7)	357.3	(304.9, 409.7)	592.4	(522.6, 662.2)	542.8	(488.1, 597.6)	289.0	(270.6, 307.4)
Male	*	*	*	*	61.4	(32.6, 90.3)	190.9	(148.8, 233.0)	222.8	(182.4, 263.2)	299.1	(250.2, 347.9)	317.6	(274.2, 361.1)	166.2	(152.6, 179.9)
St. Charles County	**26.1**	**(25.1, 27.2)**	**149.8**	**(145.5, 154.1)**	**354.9**	**(349.6, 360.3)**	**549.4**	**(542.9, 555.8)**	**578.6**	**(572.4, 584.8)**	**1007.5**	**(997.7, 1017.2)**	**1116.8**	**(1106.5, 1127.2)**	**474.8**	**(472.5, 477.0)**
Female	24.3	(22.9, 25.8)	152.3	(146.1, 158.6)	378.0	(370.2, 385.8)	594.3	(584.9, 603.7)	675.1	(665.6, 684.5)	1073.5	(1059.6, 1087.4)	1246.8	(1232.3, 1261.3)	537.7	(534.4, 541.1)
Male	19.5	(18.2, 20.7)	108.2	(103.1, 113.3)	231.3	(225.1, 237.4)	339.2	(332.0, 346.5)	311.3	(304.8, 317.8)	625.8	(614.7, 636.8)	701.3	(688.9, 713.7)	281.8	(279.4, 284.3)
St. Francois County	**17.0**	**(14.9, 19.1)**	**102.1**	**(94.1, 110.1)**	**377.8**	**(365.4, 390.3)**	**816.2**	**(797.2, 835.3)**	**920.5**	**(901.7, 939.4)**	**1599.5**	**(1570.8, 1628.1)**	**1174.4**	**(1152.4, 1196.3)**	**667.1**	**(660.8, 673.3)**
Female	19.0	(15.8, 22.2)	132.0	(118.1, 146.0)	532.6	(509.5, 555.8)	1169.2	(1134.5, 1203.9)	1261.5	(1228.5, 1294.4)	2002.8	(1956.8, 2048.8)	1363.5	(1332.1, 1395.0)	883.9	(873.4, 894.5)
Male	12.4	(9.9, 15.0)	71.2	(62.5, 80.0)	236.7	(223.9, 249.5)	462.7	(443.7, 481.8)	540.8	(521.4, 560.3)	1033.2	(1001.1, 1065.3)	749.5	(722.9, 776.2)	400.1	(393.5, 406.8)
City of St. Joseph	**21.8**	**(19.7, 24.0)**	**56.1**	**(51.2, 61.0)**	**232.4**	**(223.3, 241.6)**	**475.1**	**(461.0, 489.1)**	**560.1**	**(546.0, 574.3)**	**833.9**	**(814.4, 853.4)**	**705.1**	**(689.1, 721.0)**	**368.4**	**(364.1, 372.7)**
Female	12.1	(9.8, 14.4)	52.6	(45.8, 59.4)	265.4	(251.1, 279.6)	535.8	(514.0, 557.6)	613.5	(592.2, 634.8)	815.4	(788.6, 842.1)	648.7	(629.1, 668.4)	386.6	(380.4, 392.8)
Male	14.4	(11.9, 16.8)	36.7	(31.2, 42.3)	109.7	(101.1, 118.3)	218.0	(204.9, 231.1)	274.0	(260.2, 287.8)	479.7	(458.4, 500.9)	457.4	(436.8, 477.9)	192.8	(188.4, 197.2)
St. Louis County	**19.9**	**(19.4, 20.5)**	**121.2**	**(118.8, 123.5)**	**287.2**	**(284.2, 290.2)**	**414.2**	**(410.6, 417.8)**	**439.4**	**(436.1, 442.6)**	**736.6**	**(731.9, 741.3)**	**878.9**	**(874.1, 883.6)**	**395.9**	**(394.6, 397.1)**
Female	18.5	(17.7, 19.2)	113.5	(110.3, 116.6)	284.1	(279.9, 288.2)	424.2	(419.2, 429.2)	473.9	(469.2, 478.6)	791.9	(785.3, 798.6)	948.3	(941.9, 954.7)	437.4	(435.6, 439.1)
Male	15.2	(14.5, 15.9)	94.6	(91.7, 97.5)	213.7	(210.0, 217.4)	280.1	(275.8, 284.5)	287.4	(283.6, 291.3)	487.4	(481.8, 493.0)	595.6	(589.5, 601.7)	256.1	(254.6, 257.5)
St. Louis City	**15.0**	**(14.1, 15.9)**	**51.7**	**(49.4, 53.9)**	**208.4**	**(204.7, 212.2)**	**369.2**	**(363.3, 375.2)**	**402.6**	**(396.8, 408.5)**	**681.2**	**(672.5, 689.9)**	**627.1**	**(618.8, 635.4)**	**293.2**	**(291.3, 295.0)**
Female	12.2	(11.0, 13.4)	46.2	(43.3, 49.2)	209.6	(204.4, 214.8)	378.6	(370.1, 387.2)	426.7	(418.1, 435.3)	680.4	(668.3, 692.4)	625.4	(614.8, 635.9)	305.2	(302.6, 307.9)
Male	13.0	(11.8, 14.2)	43.4	(40.5, 46.4)	149.6	(145.1, 154.1)	261.4	(254.4, 268.4)	292.8	(285.7, 299.8)	536.9	(525.8, 548.0)	495.9	(484.0, 507.8)	214.0	(211.7, 216.3)
Ste. Genevieve County	**12.3**	**(9.0, 15.7)**	**129.6**	**(110.4, 148.8)**	**338.4**	**(312.3, 364.5)**	**510.9**	**(480.7, 541.0)**	**487.1**	**(462.5, 511.7)**	**987.6**	**(948.7, 1026.5)**	**892.1**	**(857.8, 926.4)**	**471.4**	**(461.4, 481.4)**
Female	8.3	(4.4, 12.3)	136.3	(107.5, 165.1)	254.6	(222.0, 287.2)	480.0	(438.7, 521.4)	467.6	(433.1, 502.1)	968.1	(912.3, 1024.0)	680.6	(640.2, 721.1)	423.7	(410.2, 437.2)
Male	6.9	(3.4, 10.4)	72.3	(52.7, 92.0)	193.5	(166.1, 221.0)	265.2	(234.6, 295.9)	234.8	(210.9, 258.7)	508.4	(469.8, 546.9)	482.8	(445.2, 520.5)	241.8	(231.8, 251.9)
Saline County	**14.1**	**(10.9, 17.3)**	**64.6**	**(55.1, 74.1)**	**243.8**	**(225.3, 262.3)**	**414.3**	**(389.6, 439.1)**	**406.6**	**(384.8, 428.4)**	**651.0**	**(621.7, 680.3)**	**617.2**	**(591.9, 642.5)**	**321.4**	**(314.2, 328.7)**
Female	16.4	(11.5, 21.3)	91.9	(75.1, 108.6)	302.5	(273.5, 331.6)	512.9	(474.3, 551.5)	531.8	(496.3, 567.3)	672.7	(630.2, 715.2)	626.4	(593.1, 659.8)	375.9	(364.8, 387.0)
Male	6.9	(3.8, 9.9)	33.6	(24.3, 42.9)	153.1	(132.4, 173.9)	229.0	(202.8, 255.3)	180.0	(159.6, 200.3)	443.8	(409.9, 477.8)	418.0	(385.6, 450.3)	187.3	(179.4, 195.2)
Scott County	**27.9**	**(24.6, 31.2)**	**174.3**	**(159.9, 188.6)**	**542.8**	**(521.7, 563.9)**	**844.9**	**(819.1, 870.6)**	**1040.8**	**(1014.3, 1067.2)**	**1448.8**	**(1415.2, 1482.3)**	**1310.3**	**(1281.0, 1339.6)**	**722.3**	**(713.8, 730.7)**
Female	33.3	(28.1, 38.4)	142.1	(124.0, 160.2)	559.1	(529.3, 588.8)	841.9	(805.8, 878.0)	1123.5	(1085.1, 1161.8)	1552.3	(1504.4, 1600.2)	1439.1	(1398.9, 1479.4)	792.4	(780.2, 804.7)
Male	19.5	(15.7, 23.4)	159.5	(139.8, 179.2)	402.4	(376.2, 428.6)	682.5	(649.4, 715.6)	724.3	(692.7, 755.9)	1100.9	(1058.4, 1143.5)	955.2	(916.5, 993.8)	520.6	(510.3, 530.9)
Stoddard County	**9.8**	**(7.5, 12.2)**	**137.0**	**(122.4, 151.6)**	**426.9**	**(405.1, 448.8)**	**693.8**	**(666.9, 720.8)**	**830.9**	**(803.9, 857.9)**	**1041.5**	**(1009.3, 1073.8)**	**920.5**	**(894.8, 946.2)**	**566.8**	**(558.2, 575.3)**
Female	7.7	(4.8, 10.7)	193.8	(168.7, 218.8)	565.4	(530.1, 600.8)	894.2	(850.6, 937.7)	1043.6	(1001.1, 1086.0)	1279.5	(1230.1, 1328.9)	1115.5	(1078.1, 1152.9)	725.4	(712.0, 738.9)
Male	11.0	(7.5, 14.5)	79.7	(64.2, 95.2)	260.1	(235.7, 284.5)	478.4	(446.9, 509.9)	559.4	(527.8, 591.0)	735.7	(696.5, 774.9)	605.9	(573.9, 637.8)	371.4	(361.5, 381.3)
Stone County	**16.9**	**(13.6, 20.2)**	**123.5**	**(107.5, 139.5)**	**216.5**	**(198.6, 234.4)**	**389.3**	**(368.2, 410.3)**	**422.5**	**(404.2, 440.8)**	**584.5**	**(564.6, 604.5)**	**582.0**	**(565.2, 598.9)**	**376.7**	**(370.0, 383.4)**
Female	12.7	(8.7, 16.8)	109.2	(87.3, 131.1)	288.5	(259.2, 317.9)	439.2	(408.0, 470.5)	523.5	(495.2, 551.7)	663.2	(633.8, 692.6)	750.9	(724.0, 777.8)	461.2	(450.8, 471.6)
Male	20.7	(15.6, 25.8)	121.9	(100.0, 143.8)	122.2	(103.2, 141.2)	297.3	(270.8, 323.7)	289.4	(267.5, 311.2)	447.6	(422.3, 472.9)	393.2	(373.5, 412.9)	266.8	(258.7, 274.8)
Taney County	**15.0**	**(12.8, 17.2)**	**60.2**	**(53.4, 66.9)**	**274.9**	**(261.6, 288.2)**	**499.6**	**(482.0, 517.3)**	**573.7**	**(556.1, 591.3)**	**831.0**	**(809.4, 852.7)**	**778.6**	**(760.6, 796.7)**	**426.7**	**(421.1, 432.4)**
Female	6.5	(4.3, 8.6)	61.8	(52.3, 71.2)	303.2	(283.6, 322.8)	465.4	(441.5, 489.2)	582.9	(558.0, 607.9)	839.3	(809.6, 869.0)	871.4	(845.2, 897.5)	453.1	(445.0, 461.2)
Male	10.1	(7.6, 12.7)	42.7	(34.5, 51.0)	152.4	(138.3, 166.5)	335.8	(315.1, 356.5)	417.5	(396.1, 438.9)	562.9	(536.7, 589.0)	482.5	(461.7, 503.4)	274.8	(268.3, 281.3)
Vernon County	**18.2**	**(14.6, 21.9)**	**78.4**	**(65.6, 91.1)**	**314.5**	**(291.7, 337.3)**	**436.7**	**(410.3, 463.0)**	**495.9**	**(470.8, 520.9)**	**610.2**	**(581.3, 639.2)**	**421.5**	**(399.9, 443.0)**	**316.8**	**(309.2, 324.4)**
Female	14.3	(9.6, 18.9)	105.6	(85.7, 125.5)	298.8	(267.6, 330.0)	490.0	(451.1, 528.8)	651.7	(611.3, 692.1)	793.9	(747.7, 840.0)	485.2	(454.3, 516.0)	384.8	(373.2, 396.5)
Male	21.9	(16.4, 27.4)	42.3	(28.3, 56.3)	327.2	(294.0, 360.4)	371.5	(336.6, 406.4)	330.7	(301.6, 359.7)	416.7	(382.5, 451.0)	333.8	(304.7, 362.8)	241.2	(231.7, 250.7)
Wayne County	**10.3**	**(6.6, 14.1)**	**86.2**	**(68.0, 104.4)**	**358.2**	**(324.8, 391.7)**	**460.9**	**(427.2, 494.6)**	**743.8**	**(706.4, 781.1)**	**1098.4**	**(1052.2, 1144.5)**	**845.9**	**(812.4, 879.4)**	**549.1**	**(536.7, 561.6)**
Female	11.2	(5.5, 16.8)	126.6	(94.6, 158.6)	543.2	(484.3, 602.1)	533.6	(483.1, 584.1)	991.2	(930.2, 1052.2)	1264.4	(1195.6, 1333.2)	1087.3	(1034.1, 1140.4)	703.8	(683.7, 723.8)
Male	6.1	(2.1, 10.2)	42.0	(24.4, 59.5)	163.8	(132.1, 195.4)	326.7	(286.0, 367.5)	439.0	(398.5, 479.6)	855.8	(797.2, 914.4)	542.0	(503.7, 580.3)	357.0	(342.8, 371.2)
Total	**20.0**	**(19.8, 20.3)**	**96.4**	**(95.5, 97.2)**	**286.8**	**(285.5, 288.1)**	**491.7**	**(489.9, 493.4)**	**540.9**	**(539.2, 542.6)**	**864.7**	**(862.3, 867.1)**	**863.7**	**(861.4, 865.9)**	**414.4**	**(413.9, 415.0)**
Female	16.9	(16.6, 17.2)	91.9	(90.7, 93.1)	295.5	(293.6, 297.3)	520.2	(517.7, 522.8)	593.5	(591.0, 596.0)	910.6	(907.2, 914.0)	925.9	(922.8, 929.0)	454.2	(453.3, 455.0)
Male	16.1	(15.8, 16.4)	67.4	(66.4, 68.5)	182.3	(180.9, 183.8)	294.4	(292.4, 296.3)	320.5	(318.6, 322.3)	555.0	(552.2, 557.8)	560.9	(558.1, 563.7)	252.1	(251.4, 252.7)

* indicates the rate has been suppressed.

Table 12. Benzodiazepine dispensations by primary drug ingredient.

Primary Ingredient	Dispensation Count	Rate	95% CI	% of Dispensations
Alprazolam	894,749	185.4	(185.0, 185.8)	44.7%
Chlordiazepoxide	12,358	2.6	(2.5, 2.6)	0.6%
Clobazam	9,481	2.0	(1.9, 2.0)	0.5%
Clonazepam	408,063	84.6	(84.3, 84.8)	20.4%
Clorazepate	8,627	1.8	(1.7, 1.8)	0.4%
Diazepam	210,836	43.7	(43.5, 43.9)	10.5%
Estazolam	774	0.2	(0.1, 0.2)	0.0%
Flurazepam	1,951	0.4	(0.4, 0.4)	0.1%
Lorazepam	333,844	69.2	(68.9, 69.4)	16.7%
Midazolam	556	0.1	(0.1, 0.1)	0.0%
Oxazepam	2,077	0.4	(0.4, 0.4)	0.1%
Temazepam	101,987	21.1	(21.0, 21.3)	5.1%
Triazolam	14,778	3.1	(3.0, 3.1)	0.7%
Total	**2,000,081**	**414.4**	**(413.9, 415.0)**	

Table 13a. Stimulant dispensation rates per 1,000 population by jurisdiction, age, & gender; jurisdictions A-G.

Stimulants	<18		18-24		25-34		35-44		45-54		55-64		65+		Total	
Jurisdictions A-G	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI
Andrew County	**375.0**	**(356.4, 393.6)**	**196.5**	**(172.5, 220.5)**	**181.0**	**(161.9, 200.2)**	**88.6**	**(76.2, 101.1)**	**87.8**	**(76.6, 99.0)**	**53.5**	**(44.1, 62.9)**	**17.8**	**(12.8, 22.9)**	**160.1**	**(154.1, 166.0)**
Female	186.8	(167.9, 205.7)	207.1	(172.4, 241.7)	135.9	(112.7, 159.1)	84.5	(67.3, 101.7)	88.1	(72.3, 103.8)	40.3	(28.7, 51.9)	7.0	(2.8, 11.2)	104.1	(97.4, 110.9)
Male	423.8	(396.3, 451.3)	142.9	(113.8, 171.9)	146.7	(122.1, 171.3)	47.0	(34.2, 59.8)	50.7	(38.6, 62.8)	23.6	(14.9, 32.4)	27.5	(18.0, 37.1)	155.2	(146.8, 163.5)
Audrain County	**458.6**	**(442.0, 475.3)**	**167.1**	**(149.5, 184.6)**	**142.9**	**(130.0, 155.9)**	**180.9**	**(166.0, 195.8)**	**87.8**	**(78.1, 97.5)**	**84.6**	**(74.2, 94.9)**	**30.6**	**(25.2, 36.0)**	**195.6**	**(190.2, 201.0)**
Female	270.1	(251.4, 288.8)	120.3	(100.3, 140.4)	141.1	(124.4, 157.8)	186.2	(166.1, 206.2)	121.9	(106.2, 137.5)	97.4	(82.0, 112.8)	38.0	(30.2, 45.8)	147.5	(141.1, 153.9)
Male	616.9	(590.5, 643.3)	225.6	(194.9, 256.3)	145.7	(125.0, 166.4)	173.1	(150.9, 195.4)	48.9	(38.3, 59.5)	63.4	(50.5, 76.2)	20.1	(13.3, 26.9)	248.7	(239.7, 257.7)
Barry County	**80.6**	**(74.6, 86.6)**	**28.7**	**(22.4, 35.1)**	**39.1**	**(32.7, 45.5)**	**30.2**	**(25.0, 35.5)**	**33.4**	**(28.5, 38.3)**	**37.0**	**(31.5, 42.5)**	**13.8**	**(10.9, 16.7)**	**41.7**	**(39.6, 43.9)**
Female	38.2	(32.3, 44.1)	16.7	(9.6, 23.7)	32.3	(24.1, 40.5)	41.8	(33.1, 50.5)	42.0	(34.2, 49.9)	46.2	(37.6, 54.8)	17.6	(13.2, 22.1)	34.2	(31.5, 36.9)
Male	119.3	(109.1, 129.5)	39.7	(29.4, 50.1)	46.0	(36.1, 55.9)	18.4	(12.6, 24.3)	24.5	(18.6, 30.4)	24.7	(18.4, 31.1)	9.3	(5.8, 12.8)	48.5	(45.2, 51.7)
Bates County	**204.3**	**(190.7, 217.9)**	**122.8**	**(103.2, 142.3)**	**138.2**	**(121.3, 155.1)**	**142.1**	**(125.4, 158.8)**	**49.8**	**(41.2, 58.3)**	**53.8**	**(44.0, 63.7)**	**28.8**	**(22.8, 34.9)**	**110.6**	**(105.6, 115.6)**
Female	106.7	(92.6, 120.8)	84.4	(61.3, 107.6)	147.1	(122.3, 171.9)	199.6	(171.3, 227.9)	58.0	(44.9, 71.0)	88.8	(71.2, 106.5)	35.3	(26.4, 44.3)	96.0	(89.5, 102.6)
Male	284.2	(261.9, 306.5)	124.6	(96.9, 152.3)	95.6	(75.9, 115.4)	66.0	(50.1, 81.9)	33.8	(23.8, 43.8)	14.6	(7.2, 22.0)	20.4	(12.7, 28.1)	112.2	(105.0, 119.3)
Benton County	**169.6**	**(155.9, 183.4)**	**90.0**	**(72.1, 107.9)**	**75.9**	**(61.3, 90.5)**	**95.1**	**(81.2, 109.0)**	**51.2**	**(42.9, 59.4)**	**31.8**	**(25.8, 37.7)**	**13.4**	**(10.1, 16.6)**	**67.5**	**(63.8, 71.2)**
Female	80.9	(67.3, 94.6)	48.4	(29.4, 67.3)	98.4	(74.8, 121.9)	118.6	(96.9, 140.4)	70.0	(56.2, 83.7)	30.9	(22.8, 39.1)	9.2	(5.5, 13.0)	54.5	(49.8, 59.1)
Male	245.3	(222.3, 268.4)	121.2	(92.4, 150.0)	47.9	(31.6, 64.2)	54.3	(39.2, 69.3)	30.5	(21.6, 39.4)	28.5	(20.4, 36.6)	14.3	(9.6, 19.1)	74.7	(69.2, 80.2)
Bollinger County	**422.4**	**(398.8, 445.9)**	**98.2**	**(78.4, 118.1)**	**90.3**	**(73.8, 106.8)**	**90.4**	**(75.2, 105.5)**	**65.6**	**(54.2, 77.0)**	**69.3**	**(56.7, 81.8)**	**18.9**	**(13.0, 24.9)**	**150.6**	**(143.8, 157.5)**
Female	221.3	(196.8, 245.8)	44.0	(25.2, 62.9)	99.5	(74.5, 124.5)	101.5	(79.2, 123.9)	97.2	(77.4, 116.9)	80.9	(61.6, 100.1)	29.3	(19.2, 39.5)	108.2	(100.0, 116.4)
Male	568.1	(529.9, 606.3)	152.1	(117.2, 187.0)	75.6	(54.7, 96.6)	56.9	(39.7, 74.1)	26.2	(16.1, 36.2)	57.8	(41.6, 74.0)	7.2	(1.9, 12.6)	177.5	(167.0, 188.0)
Boone County	**377.9**	**(371.4, 384.4)**	**214.8**	**(209.9, 219.7)**	**412.1**	**(404.1, 420.1)**	**358.3**	**(349.7, 366.9)**	**196.6**	**(190.5, 202.8)**	**177.9**	**(171.4, 184.4)**	**90.9**	**(86.1, 95.7)**	**278.2**	**(275.6, 280.8)**
Female	180.0	(173.6, 186.4)	178.8	(172.6, 185.0)	394.7	(383.6, 405.9)	387.5	(375.0, 400.0)	224.8	(215.7, 233.9)	194.0	(184.6, 203.4)	90.6	(84.2, 96.9)	232.4	(229.2, 235.7)
Male	550.4	(539.4, 561.3)	242.2	(234.6, 249.8)	405.3	(394.1, 416.4)	308.4	(297.0, 319.8)	159.7	(151.6, 167.8)	149.0	(140.4, 157.6)	85.3	(78.1, 92.4)	312.5	(308.6, 316.4)
Butler County	**368.0**	**(356.1, 379.9)**	**100.3**	**(89.9, 110.7)**	**98.8**	**(90.1, 107.5)**	**88.8**	**(80.6, 96.9)**	**56.7**	**(50.8, 62.6)**	**36.7**	**(31.7, 41.8)**	**10.0**	**(7.7, 12.4)**	**131.1**	**(127.7, 134.5)**
Female	166.6	(155.1, 178.1)	60.5	(49.0, 71.9)	68.0	(58.0, 77.9)	98.6	(86.6, 110.6)	63.6	(54.8, 72.3)	30.7	(24.3, 37.0)	10.4	(7.3, 13.6)	76.4	(72.7, 80.0)
Male	398.4	(381.1, 415.7)	93.7	(79.5, 108.0)	114.3	(100.6, 127.9)	52.3	(43.4, 61.3)	28.7	(22.7, 34.7)	31.5	(24.7, 38.2)	4.1	(1.9, 6.4)	135.3	(130.3, 140.3)
Cape Girardeau County	**357.5**	**(348.4, 366.6)**	**173.6**	**(165.6, 181.5)**	**213.5**	**(204.2, 222.8)**	**219.7**	**(209.9, 229.4)**	**132.1**	**(125.1, 139.1)**	**107.6**	**(100.8, 114.4)**	**29.3**	**(26.0, 32.5)**	**190.1**	**(187.0, 193.2)**
Female	180.5	(171.3, 189.7)	103.9	(95.4, 112.4)	184.6	(172.3, 196.8)	206.1	(192.8, 219.4)	143.4	(133.2, 153.6)	112.8	(103.1, 122.5)	32.1	(27.6, 36.5)	136.1	(132.5, 139.8)
Male	439.8	(425.7, 453.9)	175.1	(163.5, 186.6)	168.1	(156.5, 179.7)	169.7	(157.5, 181.9)	94.9	(86.5, 103.3)	67.7	(60.0, 75.5)	24.5	(19.9, 29.0)	192.1	(187.6, 196.6)
Carroll County	**186.9**	**(168.8, 205.0)**	**119.0**	**(92.3, 145.6)**	**58.9**	**(43.8, 74.0)**	**62.0**	**(47.4, 76.5)**	**31.6**	**(22.0, 41.3)**	**34.8**	**(24.4, 45.1)**	**15.0**	**(9.3, 20.7)**	**78.1**	**(72.5, 83.8)**
Female	87.8	(70.2, 105.5)	86.6	(54.7, 118.5)	22.7	(9.7, 35.8)	81.7	(58.2, 105.1)	25.6	(13.3, 37.9)	54.2	(35.8, 72.6)	8.3	(2.7, 14.0)	50.4	(44.0, 56.8)
Male	178.4	(153.6, 203.3)	126.1	(87.0, 165.2)	45.4	(26.3, 64.5)	17.9	(6.8, 29.0)	20.0	(9.3, 30.8)	*	*	*	*	64.3	(56.9, 71.6)
Carter County	**164.9**	**(144.4, 185.3)**	**62.9**	**(41.5, 84.3)**	**9.7**	**(2.1, 17.3)**	**21.2**	**(10.7, 31.6)**	**21.9**	**(12.4, 31.3)**	**16.8**	**(8.1, 25.6)**	**18.2**	**(10.0, 26.4)**	**57.3**	**(51.4, 63.2)**
Female	73.5	(54.4, 92.6)	51.7	(24.9, 78.6)	19.8	(4.4, 35.3)	*	*	30.9	(14.9, 47.0)	*	*	28.3	(14.4, 42.3)	35.0	(28.5, 41.4)
Male	213.3	(180.1, 246.6)	43.7	(18.0, 69.5)	*	*	38.8	(18.6, 58.9)	13.2	(2.9, 23.4)	*	*	*	*	64.2	(55.2, 73.1)
Cass County	**393.1**	**(385.5, 400.7)**	**340.9**	**(327.7, 354.0)**	**356.2**	**(345.5, 366.8)**	**315.7**	**(306.1, 325.3)**	**219.5**	**(212.1, 227.0)**	**170.4**	**(162.8, 178.0)**	**58.7**	**(54.6, 62.8)**	**276.8**	**(273.6, 280.1)**
Female	141.9	(135.4, 148.4)	186.0	(172.0, 199.9)	221.8	(210.1, 233.5)	243.1	(231.3, 254.9)	177.2	(167.8, 186.6)	160.9	(150.7, 171.0)	39.8	(35.3, 44.3)	160.7	(157.2, 164.2)
Male	350.6	(340.5, 360.6)	223.8	(209.0, 238.6)	192.4	(181.2, 203.7)	149.5	(140.1, 158.9)	100.0	(92.8, 107.1)	60.2	(53.7, 66.8)	49.5	(43.9, 55.2)	186.4	(182.5, 190.2)
Clay County	**299.2**	**(292.8, 305.6)**	**315.8**	**(304.1, 327.5)**	**265.2**	**(257.1, 273.3)**	**265.3**	**(257.2, 273.3)**	**209.6**	**(202.5, 216.7)**	**140.7**	**(134.1, 147.3)**	**56.5**	**(52.3, 60.7)**	**232.3**	**(229.4, 235.1)**
Female	105.3	(99.8, 110.7)	172.5	(160.2, 184.7)	192.7	(183.0, 202.4)	191.4	(181.7, 201.0)	189.9	(180.5, 199.4)	91.9	(84.5, 99.3)	45.6	(40.6, 50.6)	138.7	(135.6, 141.8)
Male	272.4	(263.8, 280.9)	244.1	(229.4, 258.7)	181.9	(172.3, 191.4)	151.8	(143.1, 160.5)	97.8	(90.9, 104.7)	71.9	(65.1, 78.8)	43.7	(38.1, 49.4)	168.9	(165.4, 172.4)
Cole County	**478.8**	**(468.7, 488.9)**	**198.9**	**(188.4, 209.4)**	**212.8**	**(204.0, 221.6)**	**170.5**	**(162.5, 178.5)**	**116.7**	**(110.4, 122.9)**	**87.0**	**(81.1, 92.9)**	**56.4**	**(51.6, 61.2)**	**219.0**	**(215.7, 222.4)**
Female	268.6	(257.8, 279.4)	123.6	(111.8, 135.4)	210.6	(197.7, 223.5)	219.7	(206.3, 233.1)	164.4	(153.7, 175.0)	115.7	(106.1, 125.4)	58.7	(52.2, 65.2)	176.8	(172.6, 181.1)
Male	619.8	(603.6, 636.1)	241.3	(225.1, 257.6)	192.0	(180.5, 203.4)	106.3	(97.7, 114.9)	62.4	(56.1, 68.8)	45.3	(39.3, 51.4)	48.7	(41.8, 55.6)	232.2	(227.3, 237.0)
Cooper County	**196.3**	**(182.5, 210.0)**	**102.5**	**(87.3, 117.8)**	**92.6**	**(80.5, 104.8)**	**98.7**	**(85.2, 112.2)**	**25.3**	**(19.2, 31.4)**	**55.0**	**(45.1, 65.0)**	**17.0**	**(12.1, 21.9)**	**91.6**	**(87.1, 96.1)**
Female	83.2	(70.3, 96.1)	130.2	(100.7, 159.7)	155.9	(130.8, 180.9)	126.5	(104.3, 148.8)	24.4	(15.8, 33.0)	84.7	(67.5, 101.9)	15.7	(9.4, 22.0)	78.7	(72.7, 84.7)
Male	277.7	(254.9, 300.5)	83.9	(66.9, 100.8)	44.1	(33.3, 54.9)	63.5	(48.5, 78.5)	19.5	(12.0, 27.0)	16.3	(8.5, 24.0)	18.8	(10.9, 26.6)	93.1	(86.9, 99.3)
Dunklin County	**696.9**	**(678.7, 715.1)**	**111.5**	**(98.7, 124.2)**	**83.2**	**(73.8, 92.7)**	**109.2**	**(98.8, 119.5)**	**51.5**	**(44.8, 58.2)**	**26.4**	**(21.4, 31.5)**	**7.8**	**(5.4, 10.2)**	**220.0**	**(214.9, 225.2)**
Female	332.4	(314.3, 350.5)	45.3	(34.0, 56.6)	110.8	(95.8, 125.9)	138.1	(121.9, 154.4)	81.5	(69.7, 93.3)	29.6	(22.3, 36.9)	10.0	(6.4, 13.5)	128.0	(122.5, 133.4)
Male	1032.7	(1001.9, 1063.5)	173.7	(150.7, 196.6)	53.0	(42.1, 63.8)	78.0	(65.5, 90.6)	20.1	(14.1, 26.1)	22.9	(16.1, 29.7)	4.9	(2.0, 7.8)	317.4	(308.5, 326.3)
Franklin County	**490.8**	**(482.1, 499.4)**	**298.7**	**(287.1, 310.4)**	**366.0**	**(355.1, 376.9)**	**268.1**	**(259.3, 277.0)**	**197.2**	**(190.4, 203.9)**	**176.9**	**(169.4, 184.3)**	**35.9**	**(32.8, 39.1)**	**282.4**	**(279.1, 285.7)**
Female	244.3	(235.6, 253.1)	262.7	(247.0, 278.3)	351.6	(336.4, 366.9)	306.1	(292.8, 319.4)	257.2	(246.3, 268.1)	227.6	(215.8, 239.5)	30.1	(26.3, 34.0)	233.2	(229.0, 237.4)
Male	607.2	(593.7, 620.6)	276.6	(260.9, 292.3)	292.0	(278.4, 305.7)	165.6	(155.7, 175.5)	105.0	(98.1, 112.0)	93.5	(85.8, 101.2)	34.3	(29.6, 38.9)	268.7	(264.1, 273.2)
Gasconade County	**370.1**	**(349.5, 390.7)**	**94.2**	**(75.6, 112.9)**	**125.8**	**(107.8, 143.9)**	**185.5**	**(165.3, 205.8)**	**91.2**	**(79.3, 103.1)**	**72.2**	**(60.7, 83.7)**	**26.5**	**(20.7, 32.2)**	**151.5**	**(145.3, 157.7)**
Female	196.9	(175.7, 218.1)	33.4	(17.5, 49.3)	128.6	(102.6, 154.6)	233.9	(201.7, 266.0)	140.5	(119.2, 161.8)	102.1	(82.8, 121.3)	30.7	(22.4, 39.0)	125.3	(117.5, 133.2)
Male	539.5	(504.4, 574.6)	152.5	(119.3, 185.8)	123.2	(98.0, 148.3)	132.3	(108.0, 156.5)	33.1	(23.1, 43.2)	39.7	(27.5, 51.8)	21.0	(13.2, 28.7)	175.1	(165.6, 184.6)
Greene County	**363.4**	**(358.3, 368.5)**	**117.7**	**(114.2, 121.2)**	**199.4**	**(194.9, 204.0)**	**200.1**	**(195.1, 205.2)**	**130.5**	**(126.8, 134.3)**	**101.6**	**(98.1, 105.2)**	**42.4**	**(40.3, 44.5)**	**179.0**	**(177.3, 180.6)**
Female	189.5	(184.2, 194.8)	84.8	(80.6, 88.9)	188.6	(182.2, 195.0)	229.9	(222.2, 237.6)	143.8	(138.2, 149.3)	109.5	(104.4, 114.6)	45.2	(42.4, 48.0)	139.7	(137.7, 141.7)
Male	481.9	(473.7, 490.0)	118.6	(113.5, 123.7)	172.4	(166.5, 178.3)	141.3	(135.4, 147.2)	90.2	(85.7, 94.7)	74.5	(70.1, 79.0)	31.5	(28.7, 34.3)	189.5	(187.1, 191.9)
Grundy County	**235.9**	**(216.7, 255.1)**	**30.5**	**(19.4, 41.6)**	**67.9**	**(51.9, 83.9)**	**73.2**	**(56.9, 89.4)**	**52.3**	**(40.4, 64.2)**	**34.5**	**(24.2, 44.8)**	**20.5**	**(14.4, 26.6)**	**89.5**	**(83.7, 95.3)**
Female	94.9	(78.0, 111.7)	*	*	80.8	(56.3, 105.2)	140.5	(108.9, 172.1)	80.5	(59.6, 101.4)	41.2	(25.4, 57.0)	22.8	(14.3, 31.2)	66.3	(59.5, 73.2)
Male	388.7	(353.1, 424.2)	47.9	(28.7, 67.1)	54.4	(33.9, 75.0)	*	*	21.2	(10.5, 32.0)	27.6	(14.5, 40.8)	17.2	(8.5, 26.0)	114.0	(104.5, 123.5)

* indicates the rate has been suppressed.

Table 13b. Stimulant dispensation rates per 1,000 population by jurisdiction, age, & gender; jurisdictions H-O.

Stimulants	<18		18-24		25-34		35-44		45-54		55-64		65+		Total	
Jurisdictions H-O	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI
Harrison County	**140.1**	**(124.5, 155.7)**	**16.3**	**(6.4, 26.1)**	**32.3**	**(20.7, 43.8)**	**46.0**	**(32.3, 59.7)**	**18.6**	**(11.1, 26.0)**	**23.6**	**(14.4, 32.8)**	*	*	**49.6**	**(45.0, 54.2)**
Female	98.1	(79.0, 117.2)	*	*	*	*	84.9	(58.2, 111.6)	16.4	(6.5, 26.3)	22.7	(9.8, 35.5)	*	*	38.1	(32.4, 43.8)
Male	175.6	(151.7, 199.5)	*	*	58.8	(36.6, 81.0)	*	*	20.7	(9.6, 31.7)	24.5	(11.4, 37.6)	*	*	60.9	(53.7, 68.2)
Howard County	**305.3**	**(282.1, 328.5)**	**63.0**	**(49.7, 76.4)**	**145.9**	**(123.3, 168.5)**	**91.2**	**(73.1, 109.2)**	**48.3**	**(37.3, 59.3)**	**52.8**	**(40.2, 65.3)**	**16.8**	**(10.5, 23.1)**	**116.1**	**(109.5, 122.8)**
Female	89.1	(71.1, 107.1)	54.2	(36.5, 71.9)	203.6	(165.9, 241.4)	143.4	(111.2, 175.6)	77.4	(57.7, 97.2)	75.6	(54.4, 96.8)	25.7	(15.2, 36.2)	88.0	(79.8, 96.1)
Male	508.5	(466.8, 550.2)	67.1	(47.9, 86.3)	84.1	(59.8, 108.4)	40.4	(23.5, 57.2)	19.5	(9.6, 29.3)	18.8	(8.1, 29.4)	*	*	142.2	(131.8, 152.6)
Iron County	**397.4**	**(372.2, 422.6)**	**114.8**	**(91.7, 138.0)**	**91.6**	**(73.9, 109.2)**	**100.0**	**(82.7, 117.4)**	**40.1**	**(30.4, 49.9)**	**69.6**	**(56.2, 83.0)**	**14.4**	**(9.0, 19.8)**	**138.8**	**(131.8, 145.9)**
Female	242.7	(214.6, 270.9)	97.3	(66.7, 128.0)	96.6	(71.0, 122.1)	116.6	(89.7, 143.5)	35.5	(22.5, 48.5)	95.8	(73.7, 117.8)	24.8	(15.3, 34.3)	107.5	(98.8, 116.3)
Male	543.5	(502.3, 584.8)	128.2	(94.2, 162.1)	79.9	(56.5, 103.2)	84.3	(62.0, 106.6)	44.7	(30.2, 59.3)	29.0	(16.6, 41.3)	*	*	167.6	(156.6, 178.7)
Jackson County (exc. Kansas City)	**432.8**	**(428.6, 437.1)**	**286.5**	**(280.9, 292.2)**	**322.1**	**(317.4, 326.9)**	**394.7**	**(389.0, 400.3)**	**245.7**	**(241.5, 249.9)**	**169.0**	**(165.2, 172.9)**	**57.5**	**(55.4, 59.7)**	**293.5**	**(291.8, 295.3)**
Female	156.0	(152.3, 159.6)	159.6	(153.7, 165.5)	216.6	(211.1, 222.0)	312.2	(305.2, 319.3)	208.9	(203.5, 214.2)	141.4	(136.5, 146.4)	44.3	(41.8, 46.8)	174.8	(172.9, 176.7)
Male	405.2	(399.5, 411.0)	187.6	(181.1, 194.1)	190.0	(184.7, 195.2)	189.0	(183.5, 194.6)	103.0	(99.2, 106.9)	78.5	(74.6, 82.3)	41.4	(38.6, 44.3)	204.2	(202.1, 206.3)
Jasper County (inc. Joplin City)	**381.2**	**(374.3, 388.2)**	**116.0**	**(110.0, 122.0)**	**133.8**	**(128.2, 139.4)**	**127.4**	**(121.6, 133.2)**	**87.2**	**(82.6, 91.8)**	**76.1**	**(71.3, 80.8)**	**30.2**	**(27.4, 32.9)**	**160.3**	**(158.0, 162.6)**
Female	204.1	(196.8, 211.4)	80.7	(73.6, 87.7)	95.1	(88.4, 101.9)	135.5	(127.1, 144.0)	106.5	(99.3, 113.6)	95.4	(88.0, 102.7)	25.4	(22.1, 28.6)	116.4	(113.7, 119.2)
Male	525.9	(514.4, 537.3)	141.7	(132.1, 151.2)	154.7	(146.2, 163.2)	99.8	(92.4, 107.1)	49.9	(44.9, 54.8)	45.0	(39.7, 50.3)	33.0	(28.6, 37.3)	206.4	(202.7, 210.1)
Jefferson County	**637.4**	**(630.7, 644.0)**	**428.2**	**(418.7, 437.7)**	**501.1**	**(492.9, 509.4)**	**476.1**	**(468.3, 483.8)**	**274.9**	**(269.5, 280.3)**	**226.5**	**(220.8, 232.3)**	**64.7**	**(61.5, 67.9)**	**406.6**	**(403.9, 409.2)**
Female	339.7	(332.7, 346.7)	365.6	(353.0, 378.2)	508.6	(496.9, 520.4)	517.0	(505.6, 528.4)	306.4	(298.3, 314.5)	279.8	(270.9, 288.7)	68.8	(64.4, 73.3)	342.1	(338.7, 345.6)
Male	773.1	(762.9, 783.4)	369.1	(356.8, 381.5)	389.5	(379.2, 399.7)	318.4	(309.3, 327.4)	171.7	(165.6, 177.7)	130.1	(123.9, 136.3)	48.6	(44.5, 52.7)	376.3	(372.6, 379.9)
Johnson County	**221.9**	**(213.5, 230.3)**	**66.9**	**(62.0, 71.9)**	**157.6**	**(148.2, 167.0)**	**161.8**	**(151.4, 172.3)**	**98.1**	**(90.6, 105.6)**	**101.3**	**(92.6, 110.1)**	**27.6**	**(23.3, 32.0)**	**127.7**	**(124.7, 130.8)**
Female	122.9	(114.0, 131.9)	51.9	(45.6, 58.2)	154.7	(141.2, 168.1)	192.4	(176.4, 208.5)	123.0	(111.1, 134.9)	127.6	(113.8, 141.5)	30.4	(24.1, 36.6)	110.7	(106.6, 114.7)
Male	262.1	(249.3, 274.9)	69.0	(62.0, 76.0)	121.0	(109.6, 132.4)	96.1	(84.8, 107.5)	43.0	(36.0, 50.0)	57.7	(48.3, 67.0)	15.9	(11.1, 20.7)	113.9	(109.9, 118.0)
Joplin City (in Jasper & Newton Counties)	**578.9**	**(564.9, 593.0)**	**138.7**	**(129.6, 147.8)**	**203.4**	**(193.1, 213.8)**	**184.1**	**(173.2, 195.1)**	**127.7**	**(119.0, 136.5)**	**119.1**	**(109.9, 128.2)**	**43.0**	**(38.3, 47.7)**	**218.5**	**(214.4, 222.6)**
Female	315.1	(300.3, 329.8)	92.4	(82.1, 102.7)	162.7	(149.4, 175.9)	202.2	(186.0, 218.5)	147.8	(134.6, 160.9)	133.3	(120.1, 146.6)	37.5	(31.8, 43.1)	163.9	(159.0, 168.9)
Male	765.0	(742.4, 787.6)	168.9	(154.4, 183.3)	209.8	(195.1, 224.5)	129.8	(116.7, 142.8)	80.0	(70.1, 90.0)	86.2	(74.7, 97.6)	43.7	(36.1, 51.3)	277.8	(271.1, 284.5)
Kansas City	**313.5**	**(310.3, 316.8)**	**246.8**	**(242.2, 251.3)**	**378.4**	**(374.1, 382.8)**	**334.7**	**(330.1, 339.2)**	**197.2**	**(193.7, 200.6)**	**146.6**	**(143.2, 149.9)**	**55.3**	**(53.3, 57.4)**	**257.0**	**(255.5, 258.5)**
Female	103.4	(100.7, 106.1)	121.3	(116.9, 125.8)	205.7	(201.2, 210.2)	196.7	(191.7, 201.6)	127.1	(123.2, 130.9)	106.7	(102.8, 110.6)	32.7	(30.6, 34.7)	128.5	(127.0, 129.9)
Male	252.9	(248.8, 257.1)	139.0	(134.1, 143.9)	210.7	(206.1, 215.4)	151.3	(147.0, 155.7)	84.1	(80.9, 87.3)	60.0	(56.9, 63.1)	37.8	(35.2, 40.5)	155.6	(154.0, 157.2)
Lafayette County	**272.8**	**(261.5, 284.2)**	**121.4**	**(108.1, 134.7)**	**207.6**	**(192.9, 222.4)**	**201.3**	**(187.6, 215.1)**	**115.6**	**(106.4, 124.9)**	**61.6**	**(54.0, 69.2)**	**27.1**	**(22.7, 31.4)**	**154.1**	**(149.8, 158.3)**
Female	126.6	(115.5, 137.7)	74.3	(59.3, 89.3)	196.6	(176.2, 216.9)	184.5	(166.2, 202.8)	134.9	(120.6, 149.1)	52.3	(42.6, 62.1)	22.0	(16.7, 27.2)	110.4	(105.4, 115.5)
Male	339.9	(322.3, 357.5)	132.0	(112.8, 151.2)	157.9	(139.7, 176.1)	135.4	(119.3, 151.5)	54.4	(45.5, 63.4)	40.7	(31.8, 49.5)	23.9	(17.8, 30.1)	149.1	(143.2, 155.0)
Lincoln County	**525.1**	**(513.4, 536.8)**	**349.0**	**(331.3, 366.7)**	**407.7**	**(392.6, 422.7)**	**363.0**	**(348.8, 377.1)**	**224.8**	**(214.6, 235.0)**	**197.0**	**(185.5, 208.6)**	**56.9**	**(50.7, 63.1)**	**340.2**	**(335.2, 345.2)**
Female	281.0	(268.8, 293.3)	308.6	(285.2, 332.1)	443.1	(421.2, 465.1)	435.0	(413.1, 457.0)	284.3	(268.0, 300.6)	274.3	(255.0, 293.5)	55.5	(47.2, 63.8)	298.7	(292.1, 305.3)
Male	699.9	(681.1, 718.7)	357.5	(332.1, 382.9)	293.3	(275.0, 311.5)	228.4	(212.5, 244.2)	130.1	(119.2, 141.0)	92.3	(81.1, 103.6)	49.3	(40.9, 57.8)	335.2	(328.2, 342.3)
Livingston County	**293.5**	**(275.1, 311.9)**	**96.2**	**(78.4, 113.9)**	**160.3**	**(142.4, 178.2)**	**93.8**	**(80.1, 107.4)**	**60.7**	**(50.3, 71.2)**	**24.8**	**(17.8, 31.9)**	**38.3**	**(31.0, 45.6)**	**122.6**	**(117.0, 128.2)**
Female	103.6	(88.2, 119.0)	85.0	(61.9, 108.1)	125.7	(105.1, 146.2)	79.4	(63.0, 95.8)	69.8	(54.9, 84.8)	38.1	(26.1, 50.0)	41.7	(31.7, 51.7)	77.3	(71.4, 83.3)
Male	475.6	(442.4, 508.8)	108.3	(81.2, 135.5)	197.4	(166.1, 228.7)	109.2	(86.2, 132.1)	49.0	(34.9, 63.2)	8.8	(2.7, 14.9)	33.6	(23.1, 44.2)	173.9	(164.0, 183.9)
Madison County	**600.5**	**(572.4, 628.5)**	**159.4**	**(135.1, 183.7)**	**178.7**	**(156.1, 201.2)**	**239.3**	**(213.6, 264.9)**	**245.2**	**(222.6, 267.9)**	**99.8**	**(83.9, 115.7)**	**12.9**	**(8.1, 17.7)**	**255.9**	**(247.0, 264.9)**
Female	301.1	(272.5, 329.6)	119.0	(89.4, 148.6)	173.1	(141.6, 204.6)	306.2	(265.5, 346.8)	377.2	(337.6, 416.7)	150.8	(123.4, 178.3)	17.5	(10.0, 24.9)	210.6	(199.1, 222.0)
Male	835.8	(789.7, 881.8)	196.5	(158.2, 234.8)	170.8	(139.7, 201.9)	165.2	(134.7, 195.7)	98.1	(77.7, 118.5)	47.0	(31.5, 62.6)	7.3	(1.9, 12.6)	287.6	(274.0, 301.1)
McDonald County	**140.1**	**(131.0, 149.2)**	**40.2**	**(31.3, 49.1)**	**37.9**	**(30.6, 45.2)**	**29.1**	**(23.1, 35.2)**	**47.5**	**(40.1, 54.8)**	**35.1**	**(27.9, 42.2)**	**9.4**	**(5.8, 12.9)**	**63.1**	**(59.9, 66.4)**
Female	56.2	(47.9, 64.6)	23.0	(13.1, 32.8)	29.3	(20.3, 38.4)	18.7	(11.8, 25.6)	63.5	(51.5, 75.6)	38.8	(28.1, 49.4)	14.3	(8.3, 20.3)	38.9	(35.3, 42.5)
Male	217.6	(201.8, 233.4)	51.6	(37.7, 65.4)	44.9	(33.7, 56.1)	36.8	(27.1, 46.4)	31.3	(23.0, 39.7)	31.3	(21.7, 40.9)	*	*	85.4	(80.1, 90.7)
Miller County	**161.3**	**(151.3, 171.3)**	**73.5**	**(61.3, 85.7)**	**58.4**	**(49.4, 67.3)**	**63.1**	**(54.2, 72.0)**	**35.0**	**(29.0, 41.0)**	**40.6**	**(33.6, 47.5)**	**4.9**	**(2.7, 7.1)**	**71.4**	**(68.1, 74.7)**
Female	74.0	(64.2, 83.8)	24.7	(14.6, 34.8)	32.3	(22.8, 41.7)	75.8	(62.0, 89.6)	42.2	(32.9, 51.5)	40.9	(31.0, 50.7)	4.2	(1.5, 7.0)	44.8	(41.1, 48.5)
Male	237.0	(220.1, 254.0)	117.9	(96.4, 139.5)	65.9	(52.4, 79.3)	41.8	(31.6, 52.1)	25.1	(17.9, 32.3)	39.0	(29.3, 48.7)	5.7	(2.2, 9.2)	93.0	(87.6, 98.4)
Montgomery County	**359.6**	**(337.6, 381.6)**	**158.5**	**(131.7, 185.2)**	**132.8**	**(113.0, 152.7)**	**168.6**	**(146.9, 190.3)**	**107.1**	**(92.6, 121.6)**	**109.1**	**(93.0, 125.1)**	**24.1**	**(17.7, 30.4)**	**163.9**	**(156.8, 171.1)**
Female	198.7	(174.8, 222.5)	138.5	(101.5, 175.4)	172.4	(140.9, 203.9)	262.5	(223.4, 301.6)	132.1	(109.4, 154.8)	169.6	(140.9, 198.3)	26.5	(17.6, 35.4)	148.3	(138.6, 157.9)
Male	500.3	(464.6, 536.0)	136.4	(102.7, 170.0)	81.2	(58.9, 103.5)	82.3	(61.3, 103.3)	69.3	(52.7, 85.9)	44.4	(30.1, 58.7)	21.0	(12.0, 29.9)	172.1	(161.7, 182.5)
New Madrid County	**484.3**	**(464.0, 504.6)**	**212.1**	**(189.0, 235.2)**	**177.1**	**(159.4, 194.8)**	**173.0**	**(156.2, 189.8)**	**113.3**	**(101.0, 125.7)**	**73.5**	**(62.9, 84.1)**	**23.0**	**(17.6, 28.4)**	**204.5**	**(198.0, 210.9)**
Female	247.7	(227.0, 268.5)	154.2	(126.2, 182.1)	167.4	(143.7, 191.1)	235.8	(208.1, 263.5)	146.0	(126.6, 165.5)	103.2	(85.8, 120.6)	15.3	(9.5, 21.0)	153.5	(145.8, 161.3)
Male	654.8	(621.8, 687.8)	226.4	(192.7, 260.2)	144.1	(120.9, 167.3)	74.5	(58.8, 90.1)	76.8	(62.0, 91.5)	28.9	(19.3, 38.5)	24.3	(15.7, 32.8)	229.2	(219.4, 239.1)
Newton County (inc. Joplin City)	**186.0**	**(179.0, 193.0)**	**49.2**	**(43.1, 55.3)**	**67.3**	**(61.0, 73.6)**	**58.2**	**(52.6, 63.8)**	**42.5**	**(38.2, 46.9)**	**45.8**	**(40.8, 50.7)**	**18.4**	**(15.5, 21.2)**	**76.3**	**(74.0, 78.5)**
Female	100.7	(93.2, 108.1)	26.7	(20.3, 33.0)	68.8	(59.8, 77.8)	61.0	(53.0, 69.1)	51.3	(44.6, 58.1)	43.7	(36.9, 50.4)	21.2	(17.1, 25.3)	58.1	(55.3, 60.8)
Male	239.8	(228.9, 250.7)	69.6	(59.5, 79.8)	55.7	(47.6, 63.9)	50.7	(43.3, 58.1)	27.9	(22.9, 33.0)	43.7	(36.9, 50.6)	14.5	(10.8, 18.3)	94.8	(91.2, 98.4)
Osage County	**433.7**	**(411.7, 455.8)**	**108.9**	**(90.9, 126.9)**	**74.2**	**(60.4, 87.9)**	**104.8**	**(89.8, 119.7)**	**82.7**	**(70.4, 95.0)**	**107.7**	**(91.9, 123.6)**	**41.4**	**(32.7, 50.2)**	**170.7**	**(163.8, 177.6)**
Female	184.1	(163.5, 204.6)	79.4	(54.5, 104.4)	97.5	(74.5, 120.5)	158.4	(132.1, 184.6)	112.9	(91.9, 133.9)	167.5	(138.8, 196.2)	58.6	(44.6, 72.7)	129.7	(121.1, 138.4)
Male	641.4	(604.0, 678.7)	126.9	(102.2, 151.5)	53.6	(37.6, 69.6)	53.3	(38.3, 68.2)	48.5	(35.7, 61.4)	39.5	(26.2, 52.8)	20.3	(11.2, 29.5)	198.6	(188.4, 208.9)

* indicates the rate has been suppressed.

Table 13c. Stimulant dispensation rates per 1,000 population by jurisdiction, age, & gender; jurisdictions P-Z.

Stimulants	<18		18-24		25-34		35-44		45-54		55-64		65+		Total	
Jurisdictions P-Z	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI
Pemiscot County	**371.7**	**(354.8, 388.5)**	**120.5**	**(103.5, 137.5)**	**122.1**	**(107.1, 137.1)**	**111.5**	**(97.3, 125.6)**	**58.4**	**(49.0, 67.8)**	**43.7**	**(34.9, 52.4)**	**11.5**	**(7.5, 15.6)**	**154.9**	**(149.2, 160.6)**
Female	215.6	(197.3, 233.9)	135.7	(110.8, 160.6)	125.8	(105.1, 146.5)	121.5	(101.0, 142.0)	85.2	(69.5, 100.9)	56.2	(42.4, 70.0)	19.6	(12.7, 26.6)	118.0	(111.1, 124.9)
Male	515.1	(487.2, 542.9)	103.9	(81.1, 126.7)	117.8	(96.1, 139.6)	100.7	(81.3, 120.0)	29.4	(19.8, 39.0)	29.9	(19.4, 40.4)	*	*	193.3	(184.1, 202.5)
Perry County	**627.0**	**(604.6, 649.5)**	**258.1**	**(232.2, 284.0)**	**298.6**	**(276.1, 321.1)**	**396.9**	**(371.6, 422.2)**	**223.8**	**(206.2, 241.4)**	**208.3**	**(189.8, 226.7)**	**29.4**	**(23.2, 35.6)**	**326.1**	**(318.0, 334.2)**
Female	383.7	(358.4, 409.0)	234.3	(198.4, 270.1)	335.4	(301.3, 369.6)	543.7	(501.4, 586.1)	290.3	(261.9, 318.6)	325.3	(292.6, 358.1)	36.8	(27.7, 46.0)	304.6	(293.5, 315.6)
Male	834.8	(798.7, 870.9)	278.4	(241.2, 315.5)	253.4	(224.6, 282.3)	243.8	(216.0, 271.6)	154.7	(134.0, 175.4)	89.6	(72.5, 106.7)	19.6	(11.9, 27.3)	338.7	(327.0, 350.5)
Pettis County	**289.4**	**(279.3, 299.6)**	**145.6**	**(133.7, 157.4)**	**189.0**	**(177.3, 200.6)**	**187.7**	**(175.6, 199.7)**	**104.1**	**(96.0, 112.2)**	**75.9**	**(68.2, 83.7)**	**16.1**	**(13.0, 19.3)**	**159.8**	**(155.9, 163.6)**
Female	91.8	(83.7, 100.0)	124.1	(108.7, 139.5)	118.0	(104.9, 131.1)	195.0	(177.5, 212.4)	110.8	(99.0, 122.7)	85.7	(74.1, 97.3)	7.3	(4.5, 10.1)	97.8	(93.7, 102.0)
Male	331.6	(316.4, 346.9)	103.0	(88.8, 117.2)	136.8	(122.9, 150.8)	85.2	(73.7, 96.7)	43.1	(35.8, 50.4)	36.8	(29.1, 44.5)	17.5	(12.4, 22.5)	138.1	(133.1, 143.2)
Polk County	**90.5**	**(83.8, 97.3)**	**19.7**	**(15.1, 24.3)**	**31.8**	**(25.7, 37.8)**	**49.6**	**(42.3, 56.9)**	**30.3**	**(25.1, 35.4)**	**14.3**	**(10.3, 18.2)**	**10.4**	**(7.6, 13.2)**	**41.2**	**(39.0, 43.5)**
Female	57.0	(49.3, 64.7)	13.4	(8.0, 18.8)	38.6	(29.2, 48.0)	69.3	(57.2, 81.4)	32.2	(24.7, 39.7)	17.1	(11.2, 23.1)	11.9	(7.9, 16.0)	35.5	(32.5, 38.4)
Male	117.2	(106.6, 127.8)	25.7	(18.4, 33.0)	21.0	(14.0, 28.0)	29.0	(21.0, 37.0)	28.3	(21.3, 35.4)	11.2	(6.1, 16.2)	8.5	(4.7, 12.3)	45.7	(42.3, 49.1)
Reynolds County	**240.4**	**(215.9, 265.0)**	**132.0**	**(97.7, 166.3)**	**33.9**	**(19.2, 48.6)**	**27.3**	**(15.9, 38.7)**	**37.0**	**(25.2, 48.8)**	**20.0**	**(11.0, 29.0)**	*****	*****	**78.4**	**(71.7, 85.1)**
Female	153.1	(123.9, 182.2)	122.2	(74.6, 169.8)	39.2	(17.6, 60.7)	55.7	(32.5, 79.0)	75.9	(51.7, 100.0)	27.1	(12.2, 42.0)	*	*	66.0	(57.2, 74.8)
Male	299.2	(262.2, 336.2)	141.1	(91.9, 190.3)	27.9	(8.5, 47.4)	*	*	*	*	13.1	(2.9, 23.4)	*	*	87.1	(77.2, 96.9)
St. Charles County	**651.9**	**(646.7, 657.1)**	**635.3**	**(626.4, 644.2)**	**675.4**	**(668.0, 682.8)**	**581.9**	**(575.3, 588.6)**	**341.8**	**(337.0, 346.6)**	**279.1**	**(274.0, 284.2)**	**73.9**	**(71.3, 76.6)**	**487.5**	**(485.2, 489.7)**
Female	314.1	(308.9, 319.2)	513.5	(502.0, 524.9)	628.1	(618.0, 638.1)	543.3	(534.3, 552.4)	360.4	(353.5, 367.3)	290.6	(283.4, 297.8)	62.3	(59.1, 65.6)	377.0	(374.2, 379.8)
Male	735.3	(727.5, 743.0)	521.2	(509.9, 532.4)	512.9	(503.7, 522.1)	427.8	(419.6, 435.9)	209.9	(204.5, 215.2)	167.6	(161.9, 173.4)	65.1	(61.4, 68.9)	430.2	(427.1, 433.3)
St. Francois County	**622.7**	**(609.8, 635.6)**	**161.2**	**(151.1, 171.2)**	**219.8**	**(210.3, 229.3)**	**229.2**	**(219.1, 239.3)**	**146.0**	**(138.5, 153.5)**	**139.7**	**(131.2, 148.2)**	**32.3**	**(28.6, 35.9)**	**257.1**	**(253.2, 261.0)**
Female	380.4	(366.0, 394.9)	158.1	(142.8, 173.4)	256.6	(240.5, 272.7)	319.7	(301.5, 337.8)	211.8	(198.3, 225.3)	144.4	(132.0, 156.7)	33.8	(28.8, 38.7)	225.8	(220.5, 231.1)
Male	744.2	(724.5, 763.8)	138.3	(126.0, 150.5)	157.3	(146.8, 167.7)	121.1	(111.4, 130.9)	72.9	(65.8, 80.1)	111.9	(101.3, 122.5)	26.1	(21.2, 31.1)	241.4	(236.3, 246.6)
City of St. Joseph	**511.6**	**(501.2, 522.0)**	**144.2**	**(136.3, 152.1)**	**167.8**	**(160.1, 175.5)**	**165.7**	**(157.4, 174.0)**	**108.0**	**(101.8, 114.2)**	**100.6**	**(93.9, 107.4)**	**30.0**	**(26.7, 33.3)**	**211.3**	**(208.1, 214.6)**
Female	181.9	(173.0, 190.8)	96.5	(87.2, 105.7)	145.0	(134.4, 155.5)	169.3	(157.1, 181.6)	121.6	(112.1, 131.1)	96.7	(87.5, 106.0)	23.1	(19.4, 26.8)	121.8	(118.3, 125.2)
Male	489.8	(475.5, 504.0)	102.1	(92.8, 111.4)	87.8	(80.1, 95.4)	92.0	(83.5, 100.5)	53.0	(47.0, 59.1)	62.0	(54.3, 69.6)	32.0	(26.6, 37.4)	173.9	(169.7, 178.1)
St. Louis County	**466.6**	**(463.8, 469.4)**	**505.7**	**(501.0, 510.5)**	**519.2**	**(515.1, 523.2)**	**386.3**	**(382.9, 389.8)**	**221.6**	**(219.3, 223.9)**	**206.5**	**(204.0, 209.0)**	**75.6**	**(74.2, 77.0)**	**336.4**	**(335.2, 337.5)**
Female	241.4	(238.5, 244.2)	386.7	(380.9, 392.5)	448.7	(443.5, 453.9)	341.4	(336.9, 345.9)	224.2	(221.0, 227.4)	214.5	(211.0, 218.0)	68.3	(66.5, 70.0)	255.4	(254.0, 256.8)
Male	549.6	(545.4, 553.8)	467.2	(460.7, 473.6)	435.6	(430.2, 440.9)	322.6	(318.0, 327.3)	153.9	(151.0, 156.7)	131.8	(128.9, 134.7)	65.0	(63.0, 67.0)	323.7	(322.1, 325.3)
St. Louis City	**300.6**	**(296.5, 304.8)**	**139.4**	**(135.7, 143.1)**	**371.7**	**(366.8, 376.7)**	**284.6**	**(279.4, 289.8)**	**128.6**	**(125.3, 131.9)**	**121.1**	**(117.4, 124.7)**	**40.0**	**(37.9, 42.1)**	**219.3**	**(217.7, 220.9)**
Female	154.9	(150.6, 159.1)	117.5	(112.8, 122.2)	314.7	(308.3, 321.1)	248.3	(241.4, 255.2)	116.8	(112.3, 121.3)	112.1	(107.2, 117.0)	32.5	(30.1, 34.9)	164.2	(162.2, 166.1)
Male	374.1	(367.6, 380.6)	116.2	(111.3, 121.0)	317.4	(310.8, 324.0)	231.1	(224.5, 237.7)	96.8	(92.8, 100.9)	100.2	(95.4, 105.0)	36.8	(33.6, 40.1)	214.0	(211.7, 216.3)
Ste. Genevieve County	**540.6**	**(518.4, 562.8)**	**210.4**	**(185.9, 234.8)**	**260.8**	**(237.8, 283.7)**	**276.1**	**(253.9, 298.2)**	**99.0**	**(87.9, 110.1)**	**108.5**	**(95.6, 121.4)**	**32.6**	**(26.1, 39.2)**	**238.7**	**(231.6, 245.9)**
Female	198.8	(179.5, 218.1)	204.4	(169.2, 239.7)	313.4	(277.2, 349.6)	299.9	(267.2, 332.6)	121.7	(104.1, 139.3)	124.2	(104.2, 144.2)	41.9	(31.8, 51.9)	172.2	(163.6, 180.8)
Male	531.7	(501.1, 562.4)	98.7	(75.8, 121.7)	75.0	(57.9, 92.1)	122.9	(102.0, 143.8)	27.2	(19.1, 35.3)	51.8	(39.5, 64.1)	19.8	(12.2, 27.5)	171.4	(162.9, 179.9)
Saline County	**405.9**	**(388.9, 422.9)**	**111.4**	**(98.9, 123.9)**	**191.6**	**(175.2, 208.0)**	**127.5**	**(113.7, 141.2)**	**57.2**	**(49.0, 65.4)**	**69.7**	**(60.1, 79.3)**	**34.6**	**(28.6, 40.6)**	**165.6**	**(160.4, 170.8)**
Female	279.0	(258.8, 299.2)	90.3	(73.6, 106.9)	175.3	(153.1, 197.4)	143.7	(123.3, 164.2)	66.6	(54.1, 79.2)	87.2	(71.9, 102.5)	34.2	(26.4, 42.0)	134.3	(127.7, 140.9)
Male	417.5	(393.4, 441.5)	97.5	(81.6, 113.4)	156.0	(135.1, 177.0)	52.5	(40.0, 65.1)	31.8	(23.2, 40.4)	31.8	(22.7, 40.9)	24.7	(16.9, 32.6)	148.5	(141.5, 155.5)
Scott County	**618.0**	**(602.4, 633.5)**	**274.3**	**(256.3, 292.3)**	**251.8**	**(237.4, 266.1)**	**198.5**	**(186.0, 211.0)**	**136.3**	**(126.8, 145.9)**	**100.2**	**(91.4, 109.1)**	**26.1**	**(21.9, 30.2)**	**269.3**	**(264.2, 274.4)**
Female	349.2	(332.5, 366.0)	209.2	(187.3, 231.2)	203.8	(185.8, 221.7)	174.2	(157.8, 190.6)	158.6	(144.2, 173.0)	109.2	(96.5, 121.9)	23.4	(18.3, 28.5)	185.9	(179.9, 191.8)
Male	689.0	(666.2, 711.9)	280.4	(254.3, 306.5)	215.6	(196.4, 234.8)	161.7	(145.6, 177.8)	62.5	(53.3, 71.8)	68.0	(57.4, 78.6)	17.5	(12.3, 22.8)	274.7	(267.3, 282.2)
Stoddard County	**503.0**	**(486.2, 519.8)**	**98.9**	**(86.5, 111.3)**	**175.9**	**(161.9, 190.0)**	**111.8**	**(101.0, 122.6)**	**88.1**	**(79.3, 96.9)**	**47.2**	**(40.4, 54.1)**	**9.5**	**(6.9, 12.2)**	**177.2**	**(172.5, 182.0)**
Female	324.0	(304.8, 343.3)	87.6	(70.8, 104.5)	136.6	(119.3, 154.0)	140.6	(123.3, 157.8)	124.4	(109.7, 139.0)	72.0	(60.3, 83.7)	12.1	(8.2, 16.0)	139.3	(133.4, 145.2)
Male	648.1	(621.3, 674.9)	105.5	(87.7, 123.3)	188.7	(167.9, 209.5)	79.3	(66.5, 92.1)	35.7	(27.8, 43.7)	20.1	(13.6, 26.6)	6.1	(2.9, 9.4)	204.2	(196.9, 211.6)
Stone County	**172.1**	**(161.7, 182.6)**	**93.7**	**(79.7, 107.6)**	**102.2**	**(89.9, 114.5)**	**107.1**	**(96.0, 118.1)**	**62.0**	**(55.0, 69.0)**	**57.1**	**(50.9, 63.3)**	**35.8**	**(31.7, 40.0)**	**85.1**	**(81.9, 88.3)**
Female	79.2	(69.1, 89.2)	22.3	(12.4, 32.3)	108.0	(90.0, 125.9)	129.3	(112.3, 146.2)	63.8	(53.9, 73.7)	65.3	(56.1, 74.5)	45.7	(39.1, 52.4)	70.7	(66.6, 74.7)
Male	253.0	(235.2, 270.9)	144.1	(120.3, 167.8)	59.0	(45.8, 72.2)	71.7	(58.7, 84.6)	51.2	(42.0, 60.4)	41.6	(33.9, 49.3)	21.5	(16.9, 26.1)	89.5	(84.8, 94.2)
Taney County	**293.7**	**(283.7, 303.6)**	**86.7**	**(78.6, 94.9)**	**148.9**	**(139.1, 158.7)**	**170.1**	**(159.8, 180.4)**	**111.6**	**(103.9, 119.4)**	**122.8**	**(114.5, 131.1)**	**43.8**	**(39.5, 48.0)**	**150.2**	**(146.8, 153.5)**
Female	160.3	(149.7, 170.8)	38.5	(31.0, 45.9)	126.9	(114.2, 139.6)	145.9	(132.6, 159.3)	124.6	(113.1, 136.1)	146.6	(134.2, 159.0)	47.8	(41.7, 53.9)	115.1	(111.0, 119.1)
Male	333.2	(318.5, 348.0)	114.2	(100.7, 127.7)	99.1	(87.7, 110.5)	102.0	(90.6, 113.4)	55.2	(47.4, 63.0)	65.9	(56.9, 74.8)	29.6	(24.5, 34.8)	133.6	(129.1, 138.2)
Vernon County	**306.5**	**(291.5, 321.4)**	**89.2**	**(75.6, 102.8)**	**74.5**	**(63.4, 85.6)**	**85.7**	**(74.0, 97.4)**	**69.4**	**(60.1, 78.8)**	**58.0**	**(49.1, 66.9)**	**20.7**	**(15.9, 25.5)**	**123.0**	**(118.3, 127.7)**
Female	173.2	(157.0, 189.4)	73.3	(56.7, 89.9)	85.7	(69.0, 102.5)	106.0	(87.9, 124.1)	81.4	(67.1, 95.6)	57.3	(44.9, 69.7)	29.2	(21.6, 36.7)	92.7	(86.9, 98.4)
Male	429.2	(404.7, 453.7)	108.8	(86.3, 131.3)	58.6	(44.6, 72.7)	61.5	(47.3, 75.7)	56.6	(44.5, 68.6)	57.2	(44.5, 69.9)	9.2	(4.4, 14.0)	154.1	(146.5, 161.6)
Wayne County	**325.0**	**(303.9, 346.1)**	**41.1**	**(28.5, 53.7)**	**114.5**	**(95.6, 133.4)**	**62.8**	**(50.4, 75.3)**	**83.9**	**(71.4, 96.5)**	**48.4**	**(38.7, 58.1)**	**12.1**	**(8.1, 16.1)**	**110.6**	**(105.0, 116.2)**
Female	199.9	(175.9, 223.8)	57.0	(35.5, 78.4)	134.6	(105.2, 163.9)	59.7	(42.8, 76.6)	136.7	(114.1, 159.4)	45.9	(32.7, 59.0)	23.7	(15.8, 31.5)	95.7	(88.3, 103.1)
Male	412.3	(379.4, 445.2)	26.7	(12.7, 40.7)	87.4	(64.3, 110.5)	56.9	(39.9, 73.9)	28.3	(18.0, 38.6)	42.8	(29.7, 56.0)	*	*	116.0	(107.9, 124.2)
Total	**422.7**	**(421.5, 423.9)**	**278.8**	**(277.3, 280.2)**	**359.3**	**(357.9, 360.8)**	**314.8**	**(313.4, 316.2)**	**186.4**	**(185.4, 187.4)**	**152.8**	**(151.8, 153.8)**	**50.9**	**(50.4, 51.5)**	**269.0**	**(268.5, 269.4)**
Female	202.7	(201.6, 203.9)	203.1	(201.3, 204.9)	302.6	(300.7, 304.5)	288.5	(286.6, 290.4)	188.9	(187.5, 190.3)	157.4	(156.0, 158.8)	45.8	(45.1, 46.5)	195.3	(194.8, 195.9)
Male	488.9	(487.1, 490.7)	243.9	(241.9, 245.9)	274.2	(272.4, 276.0)	214.0	(212.3, 215.6)	110.2	(109.1, 111.3)	90.9	(89.8, 92.0)	41.9	(41.2, 42.7)	243.7	(243.1, 244.3)

* indicates the rate has been suppressed.

Table 14. Stimulant dispensations by primary drug ingredient.

Primary Ingredient	Dispensation Count	Rate	95% CI	% of Dispensations
Amphetamine	673,220	139.5	(139.2, 139.8)	51.9%
Armodafinil	12,197	2.5	(2.5, 2.6)	0.9%
Benzphetamine	255	0.1	(0.0, 0.1)	0.0%
Dexmethylphenidate	1,836	0.4	(0.4, 0.4)	0.1%
Dextroamphetamine	1,030	0.2	(0.2, 0.2)	0.1%
Diethylpropion	3,837	0.8	(0.8, 0.8)	0.3%
Lisdexamfetamine	205,064	42.5	(42.3, 42.7)	15.8%
Methamphetamine	78	0.0	(0.0, 0.0)	0.0%
Methylphenidate	379,372	78.6	(78.4, 78.9)	29.2%
Modafinil	21,226	4.4	(4.3, 4.5)	1.6%
Total	**1,298,115**	**269.0**	**(268.5, 269.4)**	

Table 15a. Unclassified controlled substance dispensation rates per 1,000 population by jurisdiction, age, & gender; jurisdictions A-G.

Unclassified	<18		18-24		25-34		35-44		45-54		55-64		65+		Total	
Jurisdictions A-G	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI
Andrew County	**3.5**	**(1.7, 5.3)**	**15.2**	**(8.5, 21.9)**	**130.7**	**(114.5, 147.0)**	**202.6**	**(183.8, 221.4)**	**186.4**	**(170.1, 202.8)**	**192.9**	**(175.1, 210.7)**	**43.1**	**(35.3, 51.0)**	**104.0**	**(99.2, 108.8)**
Female	*	*	24.1	(12.3, 36.0)	173.0	(146.8, 199.2)	213.6	(186.3, 240.9)	172.2	(150.1, 194.3)	243.0	(214.5, 271.4)	22.7	(15.1, 30.2)	110.8	(103.8, 117.8)
Male	*	*	*	*	51.3	(36.7, 65.8)	103.6	(84.6, 122.6)	128.3	(109.1, 147.5)	111.4	(92.4, 130.4)	43.6	(31.6, 55.6)	60.9	(55.6, 66.1)
Audrain County	**8.3**	**(6.1, 10.6)**	**23.6**	**(17.0, 30.2)**	**75.0**	**(65.6, 84.4)**	**116.1**	**(104.1, 128.1)**	**127.9**	**(116.2, 139.6)**	**156.0**	**(141.9, 170.0)**	**88.4**	**(79.3, 97.5)**	**78.4**	**(75.0, 81.9)**
Female	3.4	(1.3, 5.4)	29.4	(19.5, 39.3)	99.5	(85.5, 113.5)	150.7	(132.7, 168.8)	150.1	(132.7, 167.5)	152.8	(133.4, 172.1)	61.8	(51.9, 71.8)	86.0	(81.1, 90.9)
Male	12.7	(8.9, 16.4)	16.3	(8.0, 24.5)	37.6	(27.1, 48.1)	64.9	(51.3, 78.6)	102.6	(87.2, 117.9)	154.0	(133.9, 174.0)	126.0	(109.0, 142.9)	68.2	(63.5, 72.9)
Barry County	*****	*****	**5.5**	**(2.7, 8.3)**	**24.1**	**(19.1, 29.1)**	**41.8**	**(35.6, 47.9)**	**51.2**	**(45.2, 57.3)**	**54.8**	**(48.2, 61.4)**	**26.3**	**(22.3, 30.3)**	**27.5**	**(25.7, 29.2)**
Female	*	*	10.3	(4.8, 15.8)	43.1	(33.6, 52.5)	56.8	(46.6, 67.0)	70.7	(60.5, 80.9)	45.5	(37.0, 54.0)	14.7	(10.6, 18.8)	31.1	(28.5, 33.7)
Male	*	*	*	*	4.6	(1.5, 7.7)	24.9	(18.1, 31.6)	31.3	(24.6, 37.9)	64.3	(54.1, 74.5)	38.9	(31.7, 46.1)	23.2	(20.9, 25.4)
Bates County	**5.9**	**(3.6, 8.2)**	**43.1**	**(31.5, 54.7)**	**103.8**	**(89.2, 118.5)**	**178.3**	**(159.6, 197.0)**	**189.8**	**(173.1, 206.5)**	**153.5**	**(136.8, 170.2)**	**99.7**	**(88.4, 111.0)**	**102.2**	**(97.4, 107.0)**
Female	*	*	74.5	(52.7, 96.3)	111.1	(89.5, 132.7)	253.9	(222.0, 285.8)	234.2	(208.0, 260.4)	125.5	(104.4, 146.5)	77.7	(64.5, 91.0)	111.8	(104.7, 118.8)
Male	6.8	(3.4, 10.3)	12.8	(3.9, 21.6)	74.4	(57.0, 91.8)	92.0	(73.2, 110.8)	120.6	(101.7, 139.4)	154.1	(130.1, 178.2)	126.4	(107.2, 145.6)	79.3	(73.3, 85.4)
Benton County	**4.9**	**(2.6, 7.3)**	**20.4**	**(11.9, 28.9)**	**62.0**	**(48.9, 75.2)**	**124.3**	**(108.4, 140.3)**	**144.9**	**(131.1, 158.8)**	**121.3**	**(109.7, 132.9)**	**60.4**	**(53.5, 67.2)**	**78.5**	**(74.5, 82.4)**
Female	3.6	(0.7, 6.5)	13.5	(3.5, 23.6)	86.6	(64.5, 108.7)	148.8	(124.4, 173.2)	151.9	(131.6, 172.3)	116.4	(100.6, 132.3)	48.6	(39.9, 57.2)	79.7	(74.0, 85.4)
Male	*	*	10.7	(2.1, 19.3)	37.7	(23.2, 52.2)	94.5	(74.6, 114.3)	128.0	(109.8, 146.3)	112.2	(96.2, 128.2)	68.7	(58.3, 79.1)	69.8	(64.5, 75.1)
Bollinger County	**11.0**	**(7.2, 14.8)**	**18.8**	**(10.1, 27.5)**	**87.9**	**(71.6, 104.2)**	**160.9**	**(140.8, 181.1)**	**145.1**	**(128.2, 162.0)**	**156.9**	**(138.0, 175.8)**	**88.9**	**(76.0, 101.8)**	**92.0**	**(86.6, 97.3)**
Female	7.0	(2.7, 11.4)	35.6	(18.7, 52.6)	93.0	(68.8, 117.1)	165.8	(137.2, 194.4)	185.0	(157.7, 212.2)	172.4	(144.4, 200.5)	90.7	(72.9, 108.6)	102.7	(94.7, 110.6)
Male	14.7	(8.5, 20.8)	*	*	75.6	(54.7, 96.6)	135.5	(108.9, 162.1)	97.6	(78.2, 117.0)	120.3	(96.9, 143.6)	74.4	(57.2, 91.6)	71.8	(65.1, 78.4)
Boone County	**5.1**	**(4.4, 5.9)**	**16.3**	**(14.9, 17.7)**	**76.3**	**(72.9, 79.8)**	**164.9**	**(159.1, 170.8)**	**216.6**	**(210.1, 223.1)**	**288.0**	**(279.7, 296.3)**	**204.6**	**(197.3, 211.8)**	**108.8**	**(107.2, 110.4)**
Female	4.6	(3.6, 5.7)	19.8	(17.8, 21.9)	95.8	(90.4, 101.3)	172.7	(164.3, 181.0)	196.8	(188.3, 205.3)	303.1	(291.3, 314.9)	163.8	(155.3, 172.3)	110.5	(108.2, 112.7)
Male	4.6	(3.6, 5.6)	10.4	(8.9, 12.0)	49.4	(45.5, 53.3)	145.0	(137.2, 152.8)	229.8	(220.2, 239.5)	255.5	(244.2, 266.8)	251.1	(238.8, 263.3)	100.6	(98.4, 102.8)
Butler County	**10.7**	**(8.7, 12.8)**	**76.6**	**(67.4, 85.7)**	**261.4**	**(247.2, 275.5)**	**311.7**	**(296.5, 326.9)**	**301.7**	**(288.1, 315.3)**	**224.4**	**(212.0, 236.8)**	**83.8**	**(77.2, 90.5)**	**164.6**	**(160.8, 168.5)**
Female	8.4	(5.9, 11.0)	113.6	(97.9, 129.3)	372.2	(349.0, 395.4)	424.3	(399.5, 449.2)	372.1	(351.0, 393.2)	235.4	(217.8, 252.9)	79.7	(71.0, 88.3)	205.6	(199.7, 211.6)
Male	8.0	(5.6, 10.5)	21.5	(14.6, 28.3)	85.5	(73.7, 97.3)	142.7	(128.0, 157.5)	160.6	(146.4, 174.9)	167.8	(152.3, 183.3)	65.8	(56.8, 74.7)	86.5	(82.5, 90.5)
Cape Girardeau County	**8.6**	**(7.1, 10.0)**	**18.4**	**(15.8, 21.0)**	**95.8**	**(89.6, 102.1)**	**234.6**	**(224.5, 244.7)**	**238.4**	**(229.1, 247.8)**	**252.9**	**(242.5, 263.4)**	**121.5**	**(114.9, 128.0)**	**123.9**	**(121.4, 126.4)**
Female	4.5	(3.1, 6.0)	21.9	(18.0, 25.8)	94.6	(85.8, 103.4)	206.6	(193.3, 219.9)	220.5	(207.8, 233.1)	203.4	(190.4, 216.4)	99.0	(91.2, 106.8)	109.0	(105.7, 112.3)
Male	7.3	(5.5, 9.2)	10.9	(8.0, 13.8)	77.3	(69.5, 85.2)	204.0	(190.5, 217.4)	197.4	(185.3, 209.6)	263.6	(248.3, 278.9)	142.1	(131.1, 153.1)	114.0	(110.5, 117.4)
Carroll County	**3.0**	**(0.7, 5.3)**	*****	*****	**33.7**	**(22.2, 45.1)**	**78.2**	**(61.9, 94.5)**	**84.8**	**(69.1, 100.5)**	**76.3**	**(60.9, 91.6)**	**60.9**	**(49.4, 72.3)**	**47.7**	**(43.2, 52.1)**
Female	*	*	*	*	22.7	(9.7, 35.8)	81.7	(58.2, 105.1)	66.6	(46.8, 86.5)	29.8	(16.2, 43.4)	38.2	(26.1, 50.3)	33.6	(28.4, 38.8)
Male	*	*	*	*	27.9	(12.9, 42.9)	71.6	(49.4, 93.9)	67.5	(47.8, 87.3)	55.5	(37.1, 73.9)	23.6	(12.8, 34.4)	33.4	(28.1, 38.7)
Carter County	*****	*****	**35.9**	**(19.8, 52.1)**	**97.1**	**(73.2, 121.1)**	**142.0**	**(114.9, 169.0)**	**153.0**	**(128.0, 178.0)**	**87.9**	**(67.9, 107.9)**	**59.3**	**(44.5, 74.1)**	**74.7**	**(67.9, 81.5)**
Female	*	*	46.0	(20.6, 71.3)	148.7	(106.4, 191.0)	154.3	(114.8, 193.9)	206.2	(164.7, 247.7)	159.9	(122.7, 197.0)	70.8	(48.7, 92.9)	101.0	(90.0, 111.9)
Male	*	*	*	*	28.6	(10.4, 46.8)	112.0	(77.8, 146.2)	88.9	(62.2, 115.6)	*	*	45.9	(26.8, 65.0)	38.3	(31.4, 45.2)
Cass County	**10.1**	**(8.8, 11.3)**	**42.0**	**(37.4, 46.6)**	**105.2**	**(99.4, 111.0)**	**226.6**	**(218.5, 234.7)**	**241.3**	**(233.5, 249.1)**	**295.4**	**(285.4, 305.3)**	**118.7**	**(112.9, 124.5)**	**135.8**	**(133.5, 138.1)**
Female	4.5	(3.4, 5.7)	43.3	(36.6, 50.0)	94.1	(86.5, 101.7)	184.1	(173.8, 194.3)	177.9	(168.5, 187.3)	217.9	(206.0, 229.7)	84.1	(77.5, 90.6)	105.3	(102.5, 108.1)
Male	5.3	(4.0, 6.5)	8.6	(5.7, 11.5)	47.6	(42.0, 53.1)	133.7	(124.8, 142.6)	151.2	(142.4, 160.0)	207.2	(195.0, 219.3)	105.9	(97.6, 114.1)	85.3	(82.7, 87.9)
Clay County	**6.5**	**(5.6, 7.5)**	**30.2**	**(26.6, 33.9)**	**60.7**	**(56.8, 64.5)**	**154.8**	**(148.7, 161.0)**	**190.7**	**(184.0, 197.5)**	**206.6**	**(198.6, 214.6)**	**97.0**	**(91.5, 102.5)**	**97.6**	**(95.8, 99.5)**
Female	4.2	(3.1, 5.3)	37.5	(31.8, 43.2)	56.1	(50.9, 61.3)	116.4	(108.9, 123.9)	145.6	(137.3, 153.8)	130.8	(122.0, 139.7)	53.9	(48.5, 59.4)	72.0	(69.7, 74.2)
Male	4.1	(3.0, 5.1)	11.0	(7.9, 14.1)	31.1	(27.2, 35.1)	93.4	(86.6, 100.2)	101.2	(94.2, 108.3)	152.2	(142.2, 162.2)	86.9	(78.9, 94.9)	60.5	(58.4, 62.6)
Cole County	**6.9**	**(5.7, 8.1)**	**20.9**	**(17.5, 24.3)**	**93.7**	**(87.8, 99.5)**	**185.9**	**(177.6, 194.3)**	**230.1**	**(221.4, 238.9)**	**236.3**	**(226.6, 246.1)**	**164.6**	**(156.4, 172.8)**	**126.3**	**(123.8, 128.8)**
Female	4.5	(3.1, 5.9)	28.9	(23.2, 34.6)	146.1	(135.3, 156.9)	224.4	(210.9, 237.9)	257.6	(244.3, 270.9)	231.3	(217.7, 244.9)	134.2	(124.4, 143.9)	137.5	(133.8, 141.3)
Male	8.3	(6.4, 10.2)	7.7	(4.8, 10.6)	38.9	(33.7, 44.0)	137.8	(128.0, 147.6)	182.9	(172.0, 193.8)	212.1	(199.0, 225.1)	190.7	(177.1, 204.3)	102.4	(99.2, 105.6)
Cooper County	**0.5**	**(-0.2, 1.2)**	**14.7**	**(9.0, 20.5)**	**50.3**	**(41.3, 59.2)**	**143.2**	**(126.9, 159.5)**	**147.8**	**(133.0, 162.6)**	**189.4**	**(170.9, 207.8)**	**74.0**	**(63.8, 84.3)**	**81.5**	**(77.3, 85.7)**
Female	*	*	19.1	(7.8, 30.4)	56.5	(41.4, 71.6)	157.1	(132.3, 182.0)	184.1	(160.5, 207.7)	197.6	(171.3, 223.9)	75.2	(61.4, 88.9)	94.3	(87.7, 100.9)
Male	*	*	12.5	(5.9, 19.0)	40.7	(30.3, 51.0)	121.4	(100.7, 142.2)	107.9	(90.3, 125.6)	152.0	(128.4, 175.6)	68.3	(53.3, 83.2)	63.6	(58.4, 68.7)
Dunklin County	**3.5**	**(2.2, 4.8)**	**39.6**	**(32.0, 47.2)**	**130.4**	**(118.6, 142.2)**	**190.1**	**(176.4, 203.7)**	**214.1**	**(200.5, 227.7)**	**190.7**	**(177.2, 204.2)**	**92.9**	**(84.6, 101.1)**	**111.1**	**(107.5, 114.8)**
Female	3.6	(1.7, 5.5)	64.3	(50.9, 77.8)	183.8	(164.5, 203.1)	253.0	(231.0, 275.0)	245.0	(224.6, 265.4)	204.3	(185.1, 223.5)	96.4	(85.4, 107.5)	134.9	(129.3, 140.5)
Male	2.1	(0.7, 3.5)	12.0	(6.0, 18.1)	65.6	(53.5, 77.7)	118.5	(103.0, 133.9)	178.7	(160.9, 196.5)	166.8	(148.4, 185.2)	85.6	(73.4, 97.7)	81.8	(77.3, 86.3)
Franklin County	**9.1**	**(7.9, 10.2)**	**17.9**	**(15.0, 20.8)**	**75.7**	**(70.8, 80.7)**	**143.9**	**(137.4, 150.4)**	**153.7**	**(147.7, 159.6)**	**233.0**	**(224.5, 241.5)**	**95.3**	**(90.2, 100.4)**	**97.8**	**(95.9, 99.8)**
Female	6.4	(5.0, 7.8)	23.1	(18.5, 27.8)	92.5	(84.7, 100.3)	124.3	(115.8, 132.8)	130.8	(123.0, 138.6)	156.0	(146.2, 165.8)	50.7	(45.7, 55.6)	78.0	(75.6, 80.5)
Male	5.0	(3.7, 6.2)	7.8	(5.2, 10.4)	41.1	(36.0, 46.3)	130.6	(121.8, 139.3)	147.3	(139.1, 155.5)	264.4	(251.5, 277.3)	137.6	(128.3, 146.9)	97.0	(94.2, 99.7)
Gasconade County	**5.9**	**(3.3, 8.6)**	**13.5**	**(6.4, 20.5)**	**70.4**	**(56.8, 83.9)**	**113.3**	**(97.4, 129.2)**	**107.1**	**(94.1, 120.0)**	**119.5**	**(104.7, 134.3)**	**48.3**	**(40.5, 56.1)**	**65.4**	**(61.3, 69.4)**
Female	4.8	(1.5, 8.1)	27.5	(13.1, 41.9)	109.4	(85.5, 133.4)	144.0	(118.8, 169.3)	120.3	(100.6, 140.0)	92.6	(74.3, 111.0)	33.0	(24.4, 41.6)	67.6	(61.8, 73.4)
Male	7.1	(3.1, 11.2)	*	*	21.4	(10.9, 31.9)	82.4	(63.2, 101.5)	86.8	(70.6, 103.0)	138.3	(115.6, 161.0)	65.2	(51.5, 78.9)	58.9	(53.3, 64.4)
Greene County	**7.0**	**(6.3, 7.7)**	**24.9**	**(23.3, 26.6)**	**78.4**	**(75.5, 81.2)**	**170.2**	**(165.6, 174.9)**	**174.1**	**(169.7, 178.5)**	**174.9**	**(170.2, 179.6)**	**79.5**	**(76.6, 82.3)**	**91.3**	**(90.1, 92.4)**
Female	6.1	(5.2, 7.0)	34.8	(32.1, 37.4)	118.3	(113.2, 123.4)	206.4	(199.2, 213.7)	190.3	(184.0, 196.7)	164.6	(158.4, 170.9)	56.7	(53.5, 59.8)	99.4	(97.7, 101.1)
Male	6.0	(5.1, 7.0)	10.1	(8.6, 11.5)	31.9	(29.3, 34.4)	106.7	(101.6, 111.8)	131.8	(126.4, 137.2)	150.4	(144.1, 156.7)	100.1	(95.1, 105.1)	67.8	(66.3, 69.2)
Grundy County	**0.4**	**(-0.4, 1.2)**	**4.2**	**(0.1, 8.3)**	**65.9**	**(50.2, 81.7)**	**130.4**	**(108.7, 152.1)**	**105.3**	**(88.4, 122.2)**	**148.5**	**(127.1, 169.9)**	**64.8**	**(53.9, 75.6)**	**66.4**	**(61.4, 71.4)**
Female	*	*	*	*	100.0	(72.8, 127.2)	192.2	(155.3, 229.2)	79.1	(58.4, 99.8)	166.4	(134.6, 198.2)	34.1	(23.8, 44.5)	67.6	(60.7, 74.6)
Male	*	*	*	*	30.2	(14.9, 45.5)	62.9	(41.4, 84.3)	131.5	(104.8, 158.3)	130.1	(101.6, 158.6)	108.0	(86.2, 129.9)	64.6	(57.4, 71.7)

* indicates the rate has been suppressed.

Table 15b. Unclassified controlled substance dispensation rates per 1,000 population by jurisdiction, age, & gender; jurisdictions H-O.

Unclassified	<18		18-24		25-34		35-44		45-54		55-64		65+		Total	
Jurisdictions H-O	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI
Harrison County	**0.7**	**(-0.4, 1.8)**	*	*	**42.0**	**(28.8, 55.1)**	**50.8**	**(36.4, 65.1)**	**48.7**	**(36.7, 60.7)**	**68.0**	**(52.4, 83.6)**	**18.6**	**(12.4, 24.8)**	**28.9**	**(25.4, 32.4)**
Female	*	*	*	*	73.4	(48.8, 97.9)	71.9	(47.3, 96.4)	89.0	(65.8, 112.1)	85.0	(60.1, 109.9)	22.9	(13.7, 32.0)	43.1	(37.0, 49.1)
Male	*	*	*	*	*	*	30.8	(15.2, 46.5)	*	*	51.7	(32.7, 70.7)	13.0	(5.1, 20.8)	14.5	(10.9, 18.0)
Howard County	**6.0**	**(2.7, 9.2)**	**31.5**	**(22.1, 40.9)**	**76.6**	**(60.2, 92.9)**	**149.8**	**(126.6, 172.9)**	**108.3**	**(91.8, 124.8)**	**257.8**	**(230.0, 285.5)**	**106.9**	**(90.9, 122.9)**	**95.7**	**(89.7, 101.7)**
Female	*	*	64.8	(45.4, 84.1)	136.4	(105.5, 167.2)	179.2	(143.2, 215.3)	106.3	(83.1, 129.4)	277.8	(237.2, 318.4)	49.2	(34.7, 63.8)	101.5	(92.8, 110.3)
Male	11.6	(5.3, 17.9)	*	*	16.5	(5.7, 27.2)	104.6	(77.4, 131.7)	110.2	(86.8, 133.7)	226.6	(189.7, 263.4)	179.0	(148.0, 210.0)	86.7	(78.6, 94.8)
Iron County	**2.1**	**(0.3, 3.9)**	**3.0**	**(-0.7, 6.8)**	**66.2**	**(51.2, 81.2)**	**134.4**	**(114.2, 154.5)**	**132.0**	**(114.3, 149.7)**	**98.1**	**(82.2, 114.0)**	**53.8**	**(43.4, 64.3)**	**67.2**	**(62.3, 72.1)**
Female	*	*	*	*	92.2	(67.2, 117.1)	191.0	(156.6, 225.4)	168.4	(140.1, 196.7)	99.1	(76.6, 121.5)	41.3	(29.0, 53.5)	80.4	(72.8, 88.0)
Male	*	*	*	*	31.1	(16.5, 45.6)	78.5	(57.0, 100.0)	75.6	(56.6, 94.6)	93.7	(71.5, 115.8)	68.1	(50.5, 85.7)	48.7	(42.7, 54.6)
Jackson County (exc. Kansas City)	**8.3**	**(7.7, 8.9)**	**26.8**	**(25.1, 28.5)**	**83.2**	**(80.8, 85.7)**	**214.9**	**(210.8, 219.1)**	**223.9**	**(219.9, 227.8)**	**260.1**	**(255.3, 265.0)**	**116.1**	**(113.0, 119.2)**	**121.5**	**(120.4, 122.7)**
Female	4.1	(3.5, 4.7)	24.9	(22.6, 27.2)	79.2	(75.9, 82.6)	165.7	(160.6, 170.9)	164.6	(159.9, 169.4)	169.2	(163.8, 174.6)	69.6	(66.4, 72.7)	89.2	(87.8, 90.5)
Male	4.4	(3.8, 5.0)	6.6	(5.4, 7.8)	29.6	(27.5, 31.7)	120.5	(116.0, 124.9)	136.7	(132.2, 141.1)	172.8	(167.1, 178.6)	107.0	(102.3, 111.6)	73.0	(71.8, 74.3)
Jasper County (inc. Joplin City)	**4.9**	**(4.1, 5.7)**	**35.4**	**(32.1, 38.8)**	**112.4**	**(107.3, 117.6)**	**218.4**	**(210.8, 226.0)**	**223.5**	**(216.1, 230.9)**	**222.3**	**(214.2, 230.5)**	**92.6**	**(87.8, 97.4)**	**108.0**	**(106.1, 109.8)**
Female	3.5	(2.6, 4.5)	50.4	(44.8, 56.0)	136.8	(128.7, 144.9)	225.0	(214.1, 235.9)	223.2	(212.9, 233.6)	213.1	(202.1, 224.1)	82.2	(76.3, 88.2)	117.4	(114.7, 120.2)
Male	5.6	(4.4, 6.7)	17.2	(13.9, 20.6)	73.1	(67.3, 79.0)	187.4	(177.3, 197.4)	195.9	(186.0, 205.7)	212.5	(201.0, 224.0)	99.5	(91.9, 107.1)	98.0	(95.4, 100.6)
Jefferson County	**7.2**	**(6.5, 7.9)**	**24.8**	**(22.5, 27.1)**	**75.5**	**(72.3, 78.6)**	**161.7**	**(157.1, 166.2)**	**190.3**	**(185.8, 194.8)**	**251.0**	**(244.9, 257.0)**	**99.1**	**(95.2, 103.1)**	**108.9**	**(107.5, 110.3)**
Female	3.7	(3.0, 4.4)	29.6	(26.1, 33.2)	89.0	(84.1, 93.9)	132.9	(127.2, 138.7)	152.1	(146.4, 157.8)	208.9	(201.2, 216.6)	67.1	(62.8, 71.5)	92.0	(90.2, 93.8)
Male	5.7	(4.8, 6.6)	12.2	(9.9, 14.4)	46.5	(43.0, 50.1)	146.2	(140.1, 152.3)	177.3	(171.2, 183.5)	238.0	(229.7, 246.4)	114.4	(108.0, 120.7)	98.2	(96.3, 100.0)
Johnson County	**4.7**	**(3.4, 5.9)**	**15.3**	**(12.9, 17.6)**	**56.3**	**(50.7, 61.9)**	**140.6**	**(130.9, 150.3)**	**165.1**	**(155.4, 174.8)**	**200.3**	**(188.0, 212.6)**	**109.9**	**(101.2, 118.5)**	**79.1**	**(76.7, 81.5)**
Female	5.9	(4.0, 7.9)	23.2	(19.0, 27.4)	76.9	(67.4, 86.3)	161.2	(146.6, 175.9)	145.3	(132.4, 158.2)	151.8	(136.7, 166.9)	94.4	(83.4, 105.4)	77.9	(74.5, 81.3)
Male	2.6	(1.3, 3.9)	4.4	(2.7, 6.2)	26.2	(20.9, 31.5)	90.2	(79.2, 101.2)	145.3	(132.4, 158.2)	197.2	(179.9, 214.5)	109.2	(96.6, 121.8)	62.9	(59.9, 65.9)
Joplin City (in Jasper & Newton Counties)	**7.4**	**(5.8, 9.0)**	**35.1**	**(30.5, 39.7)**	**153.8**	**(144.8, 162.8)**	**272.1**	**(258.8, 285.5)**	**322.5**	**(308.6, 336.5)**	**330.1**	**(314.9, 345.4)**	**133.0**	**(124.7, 141.3)**	**145.2**	**(141.9, 148.5)**
Female	6.1	(4.0, 8.1)	48.5	(41.0, 55.9)	174.8	(161.0, 188.6)	288.7	(269.3, 308.2)	315.7	(296.4, 334.9)	287.9	(268.4, 307.3)	110.7	(101.0, 120.4)	154.7	(149.9, 159.4)
Male	7.1	(4.9, 9.3)	19.7	(14.8, 24.6)	107.8	(97.3, 118.4)	213.5	(196.7, 230.2)	270.7	(252.4, 289.1)	328.8	(306.4, 351.2)	153.1	(138.9, 167.3)	134.9	(130.3, 139.5)
Kansas City	**10.1**	**(9.5, 10.7)**	**26.0**	**(24.6, 27.5)**	**64.0**	**(62.2, 65.8)**	**149.1**	**(146.0, 152.1)**	**159.9**	**(156.9, 163.0)**	**183.8**	**(180.1, 187.6)**	**89.5**	**(86.9, 92.1)**	**88.1**	**(87.2, 88.9)**
Female	4.8	(4.2, 5.4)	19.8	(18.0, 21.6)	52.3	(50.0, 54.6)	104.4	(100.7, 108.0)	98.9	(95.5, 102.3)	101.6	(97.8, 105.4)	44.2	(41.8, 46.6)	55.8	(54.8, 56.7)
Male	4.3	(3.7, 4.8)	7.3	(6.1, 8.4)	23.6	(22.1, 25.2)	64.3	(61.4, 67.1)	76.4	(73.4, 79.4)	107.5	(103.4, 111.7)	71.8	(68.1, 75.4)	43.8	(42.9, 44.7)
Lafayette County	**2.7**	**(1.6, 3.8)**	**31.2**	**(24.5, 38.0)**	**122.9**	**(111.5, 134.2)**	**159.8**	**(147.5, 172.0)**	**191.4**	**(179.5, 203.3)**	**174.1**	**(161.4, 186.9)**	**63.0**	**(56.4, 69.6)**	**97.8**	**(94.4, 101.1)**
Female	*	*	47.7	(35.7, 59.7)	162.8	(144.2, 181.3)	124.5	(109.4, 139.5)	152.6	(137.4, 167.7)	126.1	(111.0, 141.3)	35.2	(28.6, 41.9)	82.0	(77.7, 86.3)
Male	4.4	(2.4, 6.4)	9.3	(4.2, 14.4)	46.1	(36.3, 55.9)	149.3	(132.4, 166.3)	175.2	(159.2, 191.2)	184.1	(165.3, 202.9)	81.8	(70.4, 93.1)	87.5	(83.0, 92.0)
Lincoln County	**7.1**	**(5.7, 8.4)**	**29.4**	**(24.3, 34.6)**	**115.0**	**(107.0, 123.0)**	**241.3**	**(229.8, 252.9)**	**224.3**	**(214.1, 234.5)**	**250.0**	**(236.9, 263.0)**	**98.3**	**(90.2, 106.5)**	**124.5**	**(121.5, 127.5)**
Female	8.7	(6.5, 10.8)	46.8	(37.7, 55.9)	170.1	(156.5, 183.7)	295.6	(277.5, 313.7)	252.2	(236.8, 267.5)	206.3	(189.6, 223.0)	70.1	(60.8, 79.5)	137.8	(133.3, 142.2)
Male	3.7	(2.3, 5.1)	6.6	(3.1, 10.0)	41.1	(34.2, 47.9)	164.6	(151.2, 178.1)	176.3	(163.6, 189.0)	263.8	(244.7, 282.8)	121.1	(107.8, 134.3)	97.4	(93.6, 101.2)
Livingston County	**1.5**	**(0.2, 2.8)**	**28.1**	**(18.5, 37.7)**	**140.6**	**(123.8, 157.3)**	**214.5**	**(193.8, 235.2)**	**246.1**	**(225.1, 267.2)**	**237.5**	**(215.7, 259.2)**	**94.4**	**(82.9, 105.8)**	**129.6**	**(123.9, 135.3)**
Female	*	*	52.3	(34.2, 70.4)	178.0	(153.6, 202.4)	254.2	(224.8, 283.6)	231.1	(203.9, 258.3)	224.6	(195.6, 253.6)	71.0	(58.0, 84.0)	136.9	(129.0, 144.8)
Male	*	*	*	*	85.2	(64.6, 105.7)	150.6	(123.6, 177.5)	253.7	(221.5, 286.0)	245.3	(213.1, 277.5)	123.3	(103.1, 143.5)	116.6	(108.5, 124.7)
Madison County	**6.5**	**(3.6, 9.4)**	**48.3**	**(34.9, 61.7)**	**207.6**	**(183.2, 231.9)**	**344.6**	**(313.8, 375.3)**	**287.7**	**(263.2, 312.3)**	**220.8**	**(197.1, 244.4)**	**76.1**	**(64.5, 87.8)**	**151.9**	**(145.0, 158.8)**
Female	4.2	(0.8, 7.6)	80.6	(56.2, 105.0)	300.0	(258.5, 341.5)	376.4	(331.3, 421.5)	306.0	(270.4, 341.6)	196.4	(165.0, 227.7)	55.7	(42.4, 69.1)	163.9	(153.8, 174.0)
Male	8.6	(3.9, 13.2)	15.6	(4.8, 26.3)	107.5	(82.8, 132.2)	309.9	(268.2, 351.7)	241.5	(209.5, 273.4)	220.4	(186.7, 254.2)	98.4	(78.6, 118.2)	130.5	(121.3, 139.6)
McDonald County	**1.2**	**(0.4, 2.1)**	**19.6**	**(13.3, 25.8)**	**51.8**	**(43.3, 60.3)**	**68.5**	**(59.2, 77.9)**	**89.9**	**(79.8, 100.0)**	**66.3**	**(56.5, 76.2)**	**58.9**	**(50.0, 67.7)**	**45.2**	**(42.5, 48.0)**
Female	*	*	35.0	(22.9, 47.1)	75.6	(61.0, 90.2)	101.5	(85.4, 117.7)	96.5	(81.6, 111.4)	70.0	(55.7, 84.3)	69.7	(56.5, 82.9)	56.6	(52.3, 61.0)
Male	2.4	(0.7, 4.0)	5.8	(1.2, 10.5)	27.5	(18.8, 36.3)	36.1	(26.6, 45.7)	74.2	(61.4, 87.1)	55.0	(42.3, 67.7)	46.6	(35.1, 58.1)	31.7	(28.5, 35.0)
Miller County	**1.0**	**(0.2, 1.8)**	**8.9**	**(4.7, 13.2)**	**42.3**	**(34.6, 49.9)**	**85.0**	**(74.6, 95.3)**	**74.0**	**(65.3, 82.7)**	**109.2**	**(97.8, 120.6)**	**42.1**	**(35.6, 48.5)**	**48.2**	**(45.4, 50.9)**
Female	2.0	(0.4, 3.7)	11.8	(4.8, 18.8)	58.1	(45.4, 70.7)	102.0	(86.0, 118.0)	57.2	(46.4, 68.0)	130.0	(112.4, 147.6)	13.1	(8.3, 18.0)	48.2	(44.3, 52.0)
Male	*	*	*	*	16.5	(9.7, 23.2)	63.4	(50.8, 76.0)	87.0	(73.6, 100.3)	84.9	(70.6, 99.2)	73.7	(61.1, 86.4)	44.8	(41.1, 48.6)
Montgomery County	**10.5**	**(6.8, 14.3)**	**50.5**	**(35.4, 65.6)**	**160.6**	**(138.8, 182.4)**	**168.6**	**(146.9, 190.3)**	**155.8**	**(138.3, 173.3)**	**191.0**	**(169.7, 212.3)**	**59.5**	**(49.5, 69.5)**	**103.2**	**(97.5, 108.9)**
Female	13.4	(7.2, 19.6)	92.3	(62.2, 122.5)	248.9	(211.0, 286.7)	209.4	(174.5, 244.3)	156.5	(131.8, 181.2)	200.0	(168.8, 231.2)	50.6	(38.3, 62.9)	120.1	(111.5, 128.8)
Male	8.0	(3.5, 12.5)	*	*	46.2	(29.4, 63.0)	124.1	(98.3, 149.9)	151.0	(126.5, 175.5)	170.5	(142.4, 198.5)	70.9	(54.4, 87.3)	79.9	(72.8, 87.0)
New Madrid County	**2.4**	**(1.0, 3.9)**	**34.8**	**(25.4, 44.2)**	**155.4**	**(138.8, 172.0)**	**215.6**	**(196.8, 234.4)**	**205.6**	**(188.9, 222.2)**	**169.6**	**(153.5, 185.7)**	**63.1**	**(54.1, 72.0)**	**111.3**	**(106.6, 116.1)**
Female	*	*	56.7	(39.7, 73.6)	209.5	(182.9, 236.0)	262.1	(232.9, 291.3)	215.3	(191.7, 238.9)	183.5	(160.3, 206.7)	64.5	(52.7, 76.4)	128.9	(121.8, 135.9)
Male	3.0	(0.8, 5.3)	*	*	92.5	(73.9, 111.1)	140.4	(118.9, 161.9)	179.3	(156.8, 201.9)	149.6	(127.8, 171.4)	58.7	(45.4, 72.0)	84.5	(78.6, 90.5)
Newton County (inc. Joplin City)	**2.3**	**(1.5, 3.1)**	**21.2**	**(17.2, 25.2)**	**65.9**	**(59.6, 72.1)**	**101.5**	**(94.1, 108.9)**	**118.2**	**(110.9, 125.6)**	**141.1**	**(132.5, 149.8)**	**57.2**	**(52.2, 62.2)**	**62.2**	**(60.1, 64.2)**
Female	2.4	(1.2, 3.5)	29.3	(22.6, 36.0)	81.0	(71.2, 90.8)	121.4	(110.1, 132.8)	124.4	(113.9, 135.0)	134.2	(122.3, 146.1)	52.3	(45.9, 58.7)	70.9	(67.8, 73.9)
Male	2.2	(1.2, 3.3)	11.6	(7.5, 15.8)	44.8	(37.5, 52.1)	71.9	(63.2, 80.7)	93.1	(83.9, 102.4)	129.7	(118.0, 141.5)	59.7	(52.1, 67.4)	53.3	(50.7, 56.0)
Osage County	**9.3**	**(6.1, 12.6)**	**23.2**	**(14.9, 31.5)**	**83.4**	**(68.9, 98.0)**	**115.3**	**(99.6, 131.0)**	**173.9**	**(156.1, 191.7)**	**216.1**	**(193.6, 238.5)**	**95.8**	**(82.5, 109.1)**	**95.0**	**(89.8, 100.1)**
Female	18.6	(12.0, 25.1)	57.0	(35.9, 78.1)	135.6	(108.5, 162.7)	151.6	(125.9, 177.2)	174.0	(147.9, 200.0)	258.3	(222.7, 293.9)	79.6	(63.3, 96.0)	113.1	(105.0, 121.2)
Male	*	*	*	*	33.7	(21.0, 46.4)	77.2	(59.2, 95.1)	169.5	(145.5, 193.4)	168.4	(141.0, 195.8)	98.5	(78.4, 118.6)	73.3	(67.0, 79.5)

* indicates the rate has been suppressed.

Table 15c. Unclassified controlled substance dispensation rates per 1,000 population by jurisdiction, age, & gender; jurisdictions P-Z.

Unclassified	<18		18-24		25-34		35-44		45-54		55-64		65+		Total	
Jurisdictions P-Z	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI
Pemiscot County	**2.4**	**(1.0, 3.7)**	**17.4**	**(10.9, 23.8)**	**93.4**	**(80.3, 106.5)**	**142.3**	**(126.3, 158.2)**	**130.1**	**(116.1, 144.1)**	**147.1**	**(130.9, 163.2)**	**71.3**	**(61.2, 81.4)**	**75.6**	**(71.7, 79.6)**
Female	*	*	26.2	(15.2, 37.1)	94.8	(76.8, 112.7)	148.5	(125.9, 171.2)	157.6	(136.2, 179.0)	137.0	(115.5, 158.5)	65.3	(52.7, 77.9)	79.4	(73.7, 85.0)
Male	4.7	(2.0, 7.3)	7.8	(1.6, 14.0)	89.7	(70.7, 108.6)	120.0	(98.9, 141.2)	100.4	(82.7, 118.2)	156.2	(132.2, 180.3)	79.8	(63.2, 96.4)	69.2	(63.7, 74.8)
Perry County	**1.7**	**(0.5, 2.8)**	**14.2**	**(8.1, 20.3)**	**49.7**	**(40.5, 58.9)**	**116.6**	**(102.9, 130.3)**	**143.8**	**(129.7, 157.9)**	**170.4**	**(153.7, 187.1)**	**60.8**	**(51.9, 69.7)**	**73.7**	**(69.8, 77.6)**
Female	3.5	(1.1, 5.9)	24.3	(12.7, 35.8)	67.8	(52.5, 83.2)	129.5	(108.8, 150.2)	158.1	(137.2, 179.1)	189.7	(164.7, 214.7)	52.3	(41.4, 63.2)	81.9	(76.2, 87.7)
Male	*	*	*	*	29.1	(19.3, 38.9)	103.3	(85.2, 121.4)	127.3	(108.6, 146.1)	140.3	(119.0, 161.7)	57.2	(44.1, 70.3)	61.2	(56.2, 66.2)
Pettis County	**6.0**	**(4.6, 7.5)**	**20.9**	**(16.4, 25.4)**	**68.6**	**(61.5, 75.6)**	**137.6**	**(127.2, 147.9)**	**179.8**	**(169.2, 190.4)**	**198.1**	**(185.6, 210.7)**	**77.7**	**(70.8, 84.6)**	**88.5**	**(85.6, 91.3)**
Female	2.3	(1.0, 3.5)	25.4	(18.4, 32.4)	72.5	(62.2, 82.8)	144.6	(129.6, 159.6)	126.3	(113.6, 138.9)	137.6	(122.9, 152.4)	51.3	(43.8, 58.7)	70.4	(66.9, 74.0)
Male	3.8	(2.2, 5.5)	8.6	(4.5, 12.7)	37.0	(29.7, 44.2)	59.5	(49.9, 69.1)	164.2	(149.9, 178.5)	206.9	(188.6, 225.1)	80.5	(69.7, 91.3)	72.3	(68.6, 76.0)
Polk County	**3.3**	**(2.0, 4.6)**	**10.1**	**(6.8, 13.3)**	**40.3**	**(33.5, 47.1)**	**66.9**	**(58.4, 75.4)**	**57.3**	**(50.2, 64.4)**	**90.1**	**(80.2, 99.9)**	**36.8**	**(31.5, 42.1)**	**38.2**	**(36.1, 40.4)**
Female	3.9	(1.9, 5.9)	10.7	(5.9, 15.6)	52.7	(41.7, 63.7)	97.9	(83.6, 112.3)	55.8	(45.9, 65.6)	89.0	(75.4, 102.6)	31.2	(24.6, 37.8)	42.8	(39.6, 46.0)
Male	2.8	(1.1, 4.4)	8.6	(4.3, 12.8)	22.9	(15.6, 30.2)	33.5	(24.9, 42.1)	58.1	(48.0, 68.2)	88.4	(74.3, 102.5)	41.0	(32.6, 49.4)	32.0	(29.2, 34.8)
Reynolds County	**2.1**	**(-0.2, 4.3)**	**3.7**	**(-2.0, 9.4)**	**107.0**	**(80.9, 133.0)**	**109.2**	**(86.4, 131.9)**	**89.5**	**(71.1, 107.8)**	**88.4**	**(69.5, 107.3)**	**41.2**	**(30.3, 52.1)**	**58.1**	**(52.3, 63.8)**
Female	*	*	*	*	166.4	(121.9, 210.9)	111.5	(78.6, 144.3)	126.5	(95.3, 157.6)	125.2	(93.1, 157.3)	25.0	(13.2, 36.7)	72.7	(63.5, 82.0)
Male	*	*	*	*	39.1	(16.1, 62.1)	95.5	(65.7, 125.2)	54.2	(34.3, 74.1)	52.6	(32.1, 73.1)	58.6	(40.0, 77.3)	42.1	(35.3, 49.0)
St. Charles County	**12.1**	**(11.3, 12.8)**	**29.6**	**(27.7, 31.5)**	**93.5**	**(90.7, 96.2)**	**205.7**	**(201.7, 209.6)**	**227.2**	**(223.3, 231.1)**	**280.7**	**(275.5, 285.8)**	**123.0**	**(119.6, 126.4)**	**128.6**	**(127.4, 129.7)**
Female	6.6	(5.9, 7.4)	39.0	(35.8, 42.1)	111.5	(107.3, 115.7)	215.8	(210.2, 221.5)	204.6	(199.4, 209.8)	235.9	(229.4, 242.5)	86.0	(82.2, 89.8)	120.2	(118.6, 121.7)
Male	6.9	(6.2, 7.7)	12.1	(10.4, 13.8)	48.0	(45.2, 50.8)	138.0	(133.4, 142.6)	179.0	(174.0, 183.9)	240.7	(233.8, 247.5)	138.9	(133.3, 144.4)	97.7	(96.2, 99.1)
St. Francois County	**7.1**	**(5.8, 8.5)**	**31.1**	**(26.7, 35.5)**	**113.4**	**(106.6, 120.3)**	**228.4**	**(218.3, 238.5)**	**237.5**	**(227.9, 247.1)**	**296.9**	**(284.5, 309.2)**	**88.4**	**(82.4, 94.4)**	**133.8**	**(131.0, 136.6)**
Female	4.9	(3.2, 6.5)	56.0	(46.9, 65.1)	162.5	(149.7, 175.3)	234.8	(219.3, 250.3)	199.5	(186.4, 212.6)	225.5	(210.1, 241.0)	65.1	(58.2, 72.0)	122.1	(118.2, 126.1)
Male	4.9	(3.3, 6.5)	9.0	(5.9, 12.2)	56.3	(50.1, 62.6)	178.7	(166.9, 190.6)	216.8	(204.5, 229.1)	292.1	(275.0, 309.1)	97.4	(87.8, 107.0)	114.1	(110.6, 117.6)
City of St. Joseph	**12.3**	**(10.6, 13.9)**	**38.6**	**(34.6, 42.7)**	**121.5**	**(114.9, 128.0)**	**245.5**	**(235.4, 255.7)**	**255.4**	**(245.9, 265.0)**	**233.4**	**(223.1, 243.7)**	**87.0**	**(81.3, 92.6)**	**127.2**	**(124.6, 129.7)**
Female	8.8	(6.9, 10.8)	43.6	(37.4, 49.8)	172.3	(160.8, 183.8)	271.9	(256.4, 287.5)	228.5	(215.4, 241.5)	200.7	(187.4, 214.0)	69.0	(62.5, 75.4)	124.9	(121.4, 128.4)
Male	9.1	(7.2, 11.0)	12.6	(9.4, 15.9)	32.5	(27.9, 37.2)	110.2	(100.9, 119.5)	154.6	(144.2, 165.0)	144.5	(132.8, 156.1)	81.4	(72.8, 90.1)	69.3	(66.7, 71.9)
St. Louis County	**8.4**	**(8.0, 8.8)**	**22.8**	**(21.8, 23.8)**	**61.2**	**(59.8, 62.6)**	**123.4**	**(121.4, 125.3)**	**145.8**	**(143.9, 147.7)**	**181.7**	**(179.4, 184.1)**	**93.4**	**(91.8, 94.9)**	**86.7**	**(86.1, 87.2)**
Female	5.9	(5.5, 6.3)	27.1	(25.6, 28.7)	76.3	(74.2, 78.5)	135.1	(132.2, 137.9)	145.4	(142.8, 148.0)	160.1	(157.1, 163.1)	70.6	(68.9, 72.4)	85.0	(84.2, 85.8)
Male	5.9	(5.5, 6.4)	10.8	(9.8, 11.8)	27.3	(26.0, 28.7)	76.9	(74.6, 79.1)	104.4	(102.1, 106.7)	156.0	(152.9, 159.2)	102.1	(99.6, 104.6)	64.3	(63.6, 65.0)
St. Louis City	**5.9**	**(5.3, 6.5)**	**13.2**	**(12.1, 14.4)**	**43.8**	**(42.1, 45.5)**	**101.2**	**(98.1, 104.3)**	**115.8**	**(112.7, 119.0)**	**137.0**	**(133.1, 140.9)**	**57.2**	**(54.7, 59.7)**	**60.9**	**(60.1, 61.8)**
Female	3.7	(3.0, 4.3)	13.1	(11.6, 14.7)	44.5	(42.1, 46.9)	98.0	(93.7, 102.3)	97.1	(93.0, 101.2)	92.6	(88.1, 97.0)	37.8	(35.2, 40.4)	50.3	(49.3, 51.4)
Male	4.3	(3.6, 5.0)	8.6	(7.3, 9.9)	27.4	(25.4, 29.3)	69.5	(65.9, 73.1)	105.0	(100.8, 109.3)	141.8	(136.1, 147.5)	71.7	(67.2, 76.3)	53.1	(51.9, 54.2)
Ste. Genevieve County	**4.5**	**(2.5, 6.5)**	**23.7**	**(15.5, 31.9)**	**68.7**	**(57.0, 80.5)**	**166.7**	**(149.5, 184.0)**	**161.1**	**(146.9, 175.2)**	**210.7**	**(192.7, 228.7)**	**75.6**	**(65.6, 85.6)**	**98.5**	**(94.0, 103.1)**
Female	3.4	(0.9, 6.0)	22.2	(10.6, 33.8)	90.3	(70.9, 109.7)	132.8	(111.0, 154.5)	103.8	(87.6, 120.1)	175.3	(151.6, 199.1)	22.5	(15.2, 29.8)	72.3	(66.7, 77.8)
Male	5.1	(2.1, 8.0)	*	*	16.2	(8.3, 24.2)	107.2	(87.7, 126.7)	130.4	(112.6, 148.2)	139.3	(119.1, 159.4)	125.9	(106.7, 145.1)	76.0	(70.4, 81.7)
Saline County	**2.8**	**(1.4, 4.2)**	**17.2**	**(12.3, 22.1)**	**69.0**	**(59.1, 78.8)**	**137.5**	**(123.2, 151.7)**	**175.8**	**(161.5, 190.1)**	**234.6**	**(217.0, 252.2)**	**83.0**	**(73.7, 92.3)**	**93.1**	**(89.2, 97.0)**
Female	2.3	(0.5, 4.1)	16.0	(9.0, 23.0)	111.3	(93.6, 128.9)	149.8	(128.9, 170.6)	166.6	(146.7, 186.4)	182.8	(160.7, 205.0)	49.5	(40.1, 58.8)	86.2	(80.9, 91.5)
Male	2.5	(0.7, 4.4)	11.4	(6.0, 16.9)	21.2	(13.5, 29.0)	64.3	(50.4, 78.2)	136.8	(119.0, 154.5)	219.2	(195.3, 243.1)	112.6	(95.8, 129.4)	74.3	(69.3, 79.3)
Scott County	**2.5**	**(1.5, 3.5)**	**41.3**	**(34.3, 48.2)**	**140.7**	**(130.0, 151.5)**	**258.9**	**(244.6, 273.2)**	**295.2**	**(281.2, 309.3)**	**255.2**	**(241.1, 269.3)**	**121.4**	**(112.5, 130.3)**	**146.5**	**(142.7, 150.3)**
Female	*	*	55.8	(44.4, 67.1)	175.8	(159.1, 192.5)	244.6	(225.1, 264.0)	302.5	(282.6, 322.4)	248.5	(229.3, 267.6)	83.1	(73.4, 92.8)	145.2	(139.9, 150.4)
Male	2.6	(1.2, 4.0)	12.7	(7.1, 18.2)	73.2	(62.0, 84.4)	189.6	(172.2, 207.0)	207.4	(190.5, 224.3)	219.8	(200.8, 238.9)	140.6	(125.8, 155.4)	110.7	(105.9, 115.4)
Stoddard County	**1.8**	**(0.8, 2.8)**	**73.8**	**(63.1, 84.5)**	**193.2**	**(178.4, 207.9)**	**251.6**	**(235.4, 267.9)**	**272.8**	**(257.3, 288.2)**	**203.7**	**(189.5, 218.0)**	**74.8**	**(67.5, 82.2)**	**138.7**	**(134.5, 143.0)**
Female	2.1	(0.5, 3.6)	134.8	(113.9, 155.7)	290.5	(265.2, 315.8)	324.1	(297.9, 350.3)	336.8	(312.7, 360.9)	220.0	(199.5, 240.4)	78.3	(68.4, 88.2)	174.8	(168.2, 181.4)
Male	*	*	17.2	(10.0, 24.4)	82.7	(69.0, 96.5)	164.0	(145.5, 182.4)	189.0	(170.6, 207.3)	167.5	(148.8, 186.2)	66.2	(55.6, 76.8)	91.5	(86.6, 96.4)
Stone County	**7.4**	**(5.2, 9.5)**	**32.2**	**(24.0, 40.4)**	**46.5**	**(38.2, 54.8)**	**95.5**	**(85.0, 105.9)**	**133.8**	**(123.5, 144.1)**	**140.5**	**(130.7, 150.3)**	**73.8**	**(67.8, 79.8)**	**79.7**	**(76.7, 82.8)**
Female	6.2	(3.4, 9.0)	63.3	(46.6, 80.0)	69.2	(54.8, 83.6)	106.7	(91.3, 122.1)	159.1	(143.5, 174.7)	139.8	(126.4, 153.3)	64.3	(56.4, 72.1)	86.7	(82.2, 91.3)
Male	8.6	(5.3, 11.8)	*	*	20.8	(13.0, 28.6)	72.3	(59.3, 85.4)	103.7	(90.7, 116.8)	127.1	(113.7, 140.6)	80.4	(71.5, 89.3)	67.5	(63.5, 71.6)
Taney County	**10.3**	**(8.4, 12.1)**	**14.6**	**(11.2, 17.9)**	**53.0**	**(47.1, 58.8)**	**107.2**	**(99.0, 115.3)**	**151.5**	**(142.4, 160.5)**	**162.6**	**(153.0, 172.2)**	**98.8**	**(92.3, 105.2)**	**82.3**	**(79.8, 84.8)**
Female	4.3	(2.6, 6.0)	17.6	(12.5, 22.6)	66.7	(57.5, 75.9)	111.1	(99.4, 122.7)	154.1	(141.3, 166.9)	140.6	(128.5, 152.8)	63.5	(56.5, 70.6)	75.5	(72.2, 78.8)
Male	8.3	(6.0, 10.6)	9.0	(5.2, 12.8)	26.6	(20.7, 32.5)	66.7	(57.4, 75.9)	107.9	(97.0, 118.8)	137.2	(124.3, 150.1)	96.6	(87.2, 105.9)	62.5	(59.4, 65.6)
Vernon County	**3.2**	**(1.7, 4.8)**	**37.3**	**(28.5, 46.1)**	**44.4**	**(35.8, 52.9)**	**120.9**	**(107.0, 134.7)**	**135.2**	**(122.2, 148.3)**	**133.1**	**(119.6, 146.7)**	**64.7**	**(56.3, 73.2)**	**70.4**	**(66.8, 73.9)**
Female	5.9	(2.9, 9.0)	62.6	(47.2, 77.9)	49.2	(36.6, 61.9)	123.7	(104.2, 143.2)	140.6	(121.9, 159.4)	130.7	(111.9, 149.4)	39.4	(30.6, 48.2)	70.8	(65.8, 75.8)
Male	*	*	*	*	37.6	(26.4, 48.9)	115.3	(95.8, 134.7)	128.4	(110.3, 146.5)	135.0	(115.5, 154.5)	96.6	(81.0, 112.2)	69.0	(64.0, 74.1)
Wayne County	**3.9**	**(1.6, 6.2)**	**32.1**	**(21.0, 43.2)**	**132.4**	**(112.1, 152.7)**	**263.5**	**(238.0, 288.9)**	**203.5**	**(184.0, 223.0)**	**150.4**	**(133.3, 167.4)**	**42.5**	**(35.0, 50.0)**	**107.6**	**(102.1, 113.1)**
Female	*	*	61.2	(38.9, 83.4)	202.7	(166.7, 238.6)	368.2	(326.2, 410.1)	291.0	(258.0, 324.1)	144.4	(121.1, 167.7)	46.0	(35.1, 56.9)	142.7	(133.7, 151.7)
Male	*	*	*	*	60.4	(41.2, 79.6)	128.3	(102.8, 153.8)	85.9	(67.9, 103.8)	130.6	(107.7, 153.5)	38.8	(28.6, 49.1)	59.8	(54.0, 65.6)
Total	**7.6**	**(7.5, 7.8)**	**24.3**	**(23.8, 24.7)**	**76.8**	**(76.2, 77.5)**	**161.9**	**(160.9, 162.9)**	**177.9**	**(176.9, 178.9)**	**204.0**	**(202.8, 205.2)**	**93.6**	**(92.9, 94.4)**	**98.3**	**(98.0, 98.5)**
Female	5.0	(4.8, 5.2)	29.7	(29.0, 30.4)	91.2	(90.2, 92.2)	160.4	(158.9, 161.8)	161.2	(159.9, 162.6)	167.9	(166.5, 169.4)	66.6	(65.8, 67.5)	90.1	(89.7, 90.5)
Male	5.3	(5.1, 5.5)	9.7	(9.3, 10.1)	36.7	(36.0, 37.3)	106.1	(104.9, 107.3)	133.0	(131.8, 134.2)	172.5	(171.0, 174.1)	101.7	(100.5, 102.9)	72.8	(72.5, 73.2)

* indicates the rate has been suppressed.

Table 16a. Zolpidem dispensation rates per 1,000 population by jurisdiction, age, & gender; jurisdictions A-G.

Zolpidem	<18		18-24		25-34		35-44		45-54		55-64		65+		Total	
Jurisdictions A-G	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI
Andrew County	*	*	6.1	(1.9, 10.3)	22.4	(15.6, 29.1)	82.0	(70.0, 93.9)	67.6	(57.8, 77.4)	116.1	(102.3, 129.9)	107.6	(95.1, 120.0)	56.3	(52.7, 59.8)
Female	*	*	*	*	27.5	(17.0, 37.9)	120.7	(100.2, 141.2)	81.2	(66.1, 96.4)	138.2	(116.7, 159.6)	85.5	(70.8, 100.2)	64.0	(58.7, 69.3)
Male	*	*	*	*	14.2	(6.6, 21.9)	10.8	(4.7, 17.0)	40.8	(30.0, 51.6)	76.5	(60.7, 92.3)	115.9	(96.3, 135.5)	36.2	(32.2, 40.3)
Audrain County	*	*	6.3	(2.9, 9.7)	27.1	(21.4, 32.7)	52.0	(44.0, 60.0)	75.2	(66.3, 84.2)	183.3	(168.1, 198.5)	130.8	(119.7, 141.8)	63.6	(60.5, 66.7)
Female	*	*	*	*	30.3	(22.5, 38.0)	53.4	(42.7, 64.2)	91.0	(77.5, 104.5)	250.2	(225.4, 274.9)	126.6	(112.4, 140.9)	74.7	(70.1, 79.3)
Male	*	*	11.9	(4.9, 19.0)	22.2	(14.1, 30.3)	50.0	(38.0, 62.0)	56.6	(45.3, 68.0)	111.0	(94.0, 128.1)	130.1	(112.9, 147.3)	49.6	(45.6, 53.6)
Barry County	*	*	1.8	(0.2, 3.4)	6.8	(4.1, 9.5)	20.7	(16.3, 25.0)	35.6	(30.5, 40.7)	49.9	(43.6, 56.2)	49.7	(44.2, 55.2)	24.1	(22.4, 25.7)
Female	*	*	*	*	3.6	(0.9, 6.3)	18.9	(13.1, 24.8)	45.9	(37.7, 54.1)	63.5	(53.4, 73.5)	55.3	(47.4, 63.2)	28.6	(26.1, 31.1)
Male	*	*	*	*	10.1	(5.5, 14.8)	22.4	(16.0, 28.9)	25.8	(19.7, 31.8)	34.6	(27.1, 42.1)	43.0	(35.4, 50.6)	19.2	(17.2, 21.3)
Bates County	*	*	10.6	(4.8, 16.3)	43.0	(33.6, 52.5)	69.0	(57.3, 80.6)	99.1	(87.0, 111.2)	226.7	(206.5, 247.0)	201.1	(185.1, 217.1)	92.3	(87.8, 96.9)
Female	*	*	9.9	(2.0, 17.9)	45.8	(31.9, 59.6)	94.0	(74.6, 113.5)	123.6	(104.5, 142.6)	282.1	(250.6, 313.6)	209.1	(187.3, 230.8)	111.4	(104.4, 118.5)
Male	*	*	9.6	(1.9, 17.3)	40.4	(27.5, 53.2)	45.0	(31.9, 58.1)	57.6	(44.6, 70.6)	164.9	(140.0, 189.7)	184.0	(160.8, 207.1)	68.5	(62.9, 74.1)
Benton County	*	*	8.3	(2.9, 13.8)	56.9	(44.3, 69.6)	118.5	(102.9, 134.0)	125.9	(113.0, 138.8)	174.2	(160.3, 188.1)	142.2	(131.7, 152.7)	103.9	(99.3, 108.4)
Female	*	*	15.5	(4.8, 26.2)	77.8	(56.9, 98.8)	114.5	(93.1, 135.9)	136.4	(117.2, 155.6)	162.0	(143.3, 180.7)	183.4	(166.6, 200.2)	116.6	(109.7, 123.5)
Male	*	*	*	*	29.0	(16.3, 41.7)	122.7	(100.1, 145.3)	109.1	(92.2, 125.9)	175.8	(155.7, 195.8)	98.2	(85.8, 110.6)	87.0	(81.0, 92.9)
Bollinger County	*	*	*	*	14.9	(8.2, 21.6)	88.4	(73.4, 103.4)	114.8	(99.8, 129.8)	124.9	(108.1, 141.8)	154.0	(137.0, 170.9)	73.2	(68.4, 78.0)
Female	*	*	*	*	9.8	(2.0, 17.6)	119.5	(95.2, 143.8)	134.8	(111.5, 158.1)	139.1	(113.9, 164.3)	164.1	(140.0, 188.1)	84.8	(77.6, 92.1)
Male	*	*	*	*	15.1	(5.8, 24.5)	46.1	(30.6, 61.6)	78.5	(61.1, 95.9)	96.7	(75.8, 117.6)	142.6	(118.8, 166.3)	55.3	(49.4, 61.1)
Boone County	0.2	(0.1, 0.4)	5.0	(4.2, 5.7)	39.0	(36.5, 41.4)	104.9	(100.3, 109.6)	161.7	(156.1, 167.3)	275.1	(267.0, 283.2)	278.4	(270.0, 286.8)	91.8	(90.3, 93.2)
Female	*	*	3.1	(2.3, 3.9)	45.3	(41.5, 49.1)	128.6	(121.4, 135.8)	194.6	(186.1, 203.1)	308.8	(296.9, 320.7)	301.8	(290.2, 313.4)	108.2	(105.9, 110.4)
Male	0.3	(0.1, 0.6)	6.7	(5.4, 7.9)	31.0	(27.9, 34.1)	72.9	(67.3, 78.4)	116.1	(109.3, 123.0)	223.9	(213.4, 234.5)	238.5	(226.5, 250.4)	70.0	(68.1, 71.8)
Butler County	1.9	(1.0, 2.8)	7.6	(4.8, 10.5)	75.6	(68.0, 83.2)	163.6	(152.6, 174.6)	196.4	(185.4, 207.4)	326.6	(311.7, 341.6)	218.6	(207.8, 229.3)	138.2	(134.7, 141.7)
Female	3.5	(1.8, 5.2)	13.0	(7.7, 18.3)	111.4	(98.7, 124.1)	207.8	(190.4, 225.2)	249.0	(231.7, 266.3)	390.7	(368.1, 413.3)	214.9	(200.8, 229.1)	167.5	(162.1, 172.9)
Male	*	*	*	*	20.7	(14.9, 26.5)	73.4	(62.8, 83.9)	94.3	(83.4, 105.3)	168.2	(152.6, 183.7)	148.1	(134.6, 161.5)	69.6	(66.0, 73.2)
Cape Girardeau County	1.1	(0.6, 1.6)	6.5	(5.0, 8.1)	41.6	(37.5, 45.7)	105.6	(98.9, 112.4)	183.1	(174.8, 191.3)	258.9	(248.3, 269.4)	215.0	(206.2, 223.7)	105.3	(102.9, 107.6)
Female	0.9	(0.2, 1.5)	8.1	(5.8, 10.5)	41.7	(35.9, 47.5)	115.1	(105.2, 125.0)	219.9	(207.2, 232.5)	272.0	(256.9, 287.0)	244.4	(232.2, 256.6)	120.8	(117.4, 124.3)
Male	1.1	(0.4, 1.8)	2.2	(0.9, 3.5)	28.5	(23.7, 33.3)	62.8	(55.3, 70.2)	98.2	(89.6, 106.8)	194.0	(180.9, 207.1)	141.2	(130.3, 152.2)	65.9	(63.3, 68.6)
Carroll County	1.5	(-0.1, 3.2)	*	*	10.1	(3.8, 16.4)	54.6	(41.0, 68.2)	97.5	(80.6, 114.3)	74.9	(59.7, 90.1)	90.8	(76.8, 104.8)	49.3	(44.8, 53.8)
Female	*	*	*	*	*	*	61.3	(41.0, 81.6)	105.1	(80.2, 130.0)	94.8	(70.5, 119.1)	83.1	(65.3, 101.0)	51.8	(45.3, 58.3)
Male	*	*	*	*	*	*	20.9	(8.9, 32.9)	22.5	(11.1, 33.9)	18.5	(7.9, 29.1)	49.3	(33.7, 64.9)	18.4	(14.4, 22.3)
Carter County	*	*	*	*	48.6	(31.6, 65.5)	89.0	(67.6, 110.4)	87.4	(68.5, 106.4)	78.6	(59.7, 97.5)	183.9	(157.9, 210.0)	69.9	(63.3, 76.4)
Female	*	*	*	*	79.3	(48.4, 110.2)	150.2	(111.1, 189.2)	134.0	(100.6, 167.5)	106.6	(76.2, 136.9)	170.0	(135.8, 204.2)	89.1	(78.8, 99.5)
Male	*	*	*	*	19.0	(4.2, 33.9)	25.8	(9.4, 42.3)	36.2	(19.2, 53.3)	43.5	(23.0, 63.9)	200.1	(160.1, 240.0)	48.1	(40.3, 55.9)
Cass County	0.2	(0.0, 0.3)	14.3	(11.6, 17.0)	44.4	(40.6, 48.1)	115.9	(110.1, 121.7)	163.7	(157.3, 170.2)	287.4	(277.6, 297.3)	210.1	(202.3, 217.8)	108.5	(106.5, 110.6)
Female	*	*	12.5	(8.8, 16.1)	39.1	(34.2, 44.0)	114.1	(106.0, 122.1)	162.3	(153.3, 171.2)	226.4	(214.4, 238.5)	201.0	(190.9, 211.1)	101.9	(99.1, 104.7)
Male	*	*	7.8	(5.0, 10.5)	19.7	(16.1, 23.3)	50.7	(45.2, 56.1)	67.2	(61.3, 73.0)	159.1	(148.5, 169.7)	129.9	(120.7, 139.1)	53.8	(51.8, 55.9)
Clay County	0.2	(0.1, 0.4)	9.3	(7.3, 11.3)	38.0	(34.9, 41.1)	91.9	(87.2, 96.7)	140.5	(134.7, 146.3)	240.0	(231.3, 248.7)	187.7	(180.0, 195.4)	88.6	(86.8, 90.3)
Female	*	*	9.0	(6.2, 11.8)	29.4	(25.6, 33.2)	84.5	(78.1, 90.9)	124.6	(116.9, 132.2)	202.8	(191.8, 213.7)	165.0	(155.5, 174.5)	79.5	(77.2, 81.9)
Male	*	*	5.0	(2.9, 7.1)	26.8	(23.1, 30.5)	44.2	(39.5, 48.9)	74.6	(68.6, 80.6)	131.2	(121.9, 140.5)	108.0	(99.1, 116.9)	47.0	(45.1, 48.8)
Cole County	0.2	(0.0, 0.4)	10.5	(8.1, 12.9)	38.1	(34.4, 41.8)	81.5	(75.9, 87.0)	145.2	(138.2, 152.2)	215.8	(206.5, 225.2)	234.2	(224.4, 244.0)	95.1	(92.9, 97.3)
Female	*	*	9.9	(6.6, 13.3)	59.5	(52.6, 66.4)	102.5	(93.4, 111.7)	184.4	(173.1, 195.7)	255.4	(241.1, 269.7)	247.3	(234.0, 260.6)	116.8	(113.3, 120.2)
Male	*	*	8.5	(5.5, 11.6)	16.5	(13.1, 19.9)	51.9	(45.9, 57.9)	95.9	(88.0, 103.8)	161.5	(150.0, 172.9)	198.8	(184.9, 212.8)	66.0	(63.5, 68.6)
Cooper County	*	*	2.9	(0.4, 5.5)	10.8	(6.6, 15.0)	115.6	(101.0, 130.3)	45.7	(37.5, 53.9)	124.1	(109.2, 139.0)	63.7	(54.1, 73.2)	47.0	(43.8, 50.2)
Female	*	*	*	*	7.3	(1.9, 12.7)	188.8	(161.6, 216.0)	57.4	(44.3, 70.6)	159.4	(135.8, 183.0)	82.4	(68.0, 96.7)	68.0	(62.4, 73.6)
Male	*	*	*	*	13.1	(7.2, 19.0)	41.4	(29.3, 53.5)	34.5	(24.5, 44.4)	66.0	(50.4, 81.5)	39.2	(27.9, 50.6)	24.7	(21.5, 27.9)
Dunklin County	*	*	11.6	(7.4, 15.7)	95.0	(84.9, 105.0)	154.6	(142.3, 166.9)	322.5	(305.7, 339.2)	299.3	(282.4, 316.2)	207.8	(195.5, 220.1)	147.2	(143.0, 151.4)
Female	*	*	12.7	(6.7, 18.7)	141.9	(124.9, 158.8)	200.7	(181.1, 220.3)	420.9	(394.2, 447.7)	370.3	(344.4, 396.2)	196.1	(180.3, 211.8)	182.2	(175.7, 188.7)
Male	*	*	10.3	(4.7, 15.9)	43.5	(33.6, 53.4)	104.8	(90.3, 119.3)	216.4	(196.8, 236.0)	216.0	(195.1, 236.9)	221.5	(201.9, 241.1)	108.0	(102.8, 113.2)
Franklin County	0.1	(0.0, 0.2)	13.1	(10.6, 15.5)	39.6	(36.0, 43.2)	83.2	(78.3, 88.2)	160.6	(154.6, 166.7)	289.8	(280.3, 299.3)	186.6	(179.4, 193.8)	103.8	(101.8, 105.8)
Female	*	*	20.0	(15.7, 24.4)	48.2	(42.5, 53.8)	91.7	(84.4, 99.0)	178.5	(169.4, 187.6)	303.2	(289.5, 316.9)	188.2	(178.6, 197.8)	113.8	(110.8, 116.7)
Male	*	*	5.9	(3.6, 8.2)	21.8	(18.1, 25.6)	44.2	(39.1, 49.3)	113.9	(106.7, 121.2)	215.2	(203.5, 226.8)	152.0	(142.2, 161.7)	72.4	(70.0, 74.7)
Gasconade County	*	*	1.0	(-0.9, 2.8)	26.4	(18.1, 34.7)	83.8	(70.2, 97.5)	88.8	(77.0, 100.5)	161.6	(144.3, 178.8)	132.3	(119.4, 145.1)	75.3	(70.9, 79.6)
Female	*	*	*	*	15.0	(6.2, 23.9)	63.4	(46.6, 80.1)	150.5	(128.5, 172.6)	177.7	(152.3, 203.1)	152.9	(134.4, 171.3)	89.9	(83.2, 96.6)
Male	*	*	*	*	36.1	(22.5, 49.8)	104.4	(82.8, 126.0)	28.4	(19.1, 37.7)	144.1	(121.0, 167.2)	103.4	(86.1, 120.6)	59.0	(53.5, 64.5)
Greene County	0.5	(0.3, 0.7)	5.6	(4.9, 6.4)	39.6	(37.6, 41.6)	123.0	(119.1, 126.9)	172.4	(168.1, 176.8)	277.7	(271.8, 283.6)	178.9	(174.6, 183.2)	102.2	(101.0, 103.4)
Female	0.8	(0.5, 1.2)	5.6	(4.5, 6.7)	53.1	(49.7, 56.5)	151.4	(145.2, 157.6)	206.0	(199.3, 212.6)	285.7	(277.5, 294.0)	174.7	(169.2, 180.3)	115.4	(113.6, 117.2)
Male	*	*	4.0	(3.1, 4.9)	22.0	(19.9, 24.1)	77.1	(72.8, 81.5)	107.5	(102.6, 112.3)	212.1	(204.6, 219.6)	159.9	(153.6, 166.2)	71.5	(70.0, 73.0)
Grundy County	2.8	(0.7, 4.9)	*	*	18.7	(10.3, 27.1)	93.8	(75.4, 112.2)	101.1	(84.5, 117.6)	146.9	(125.6, 168.1)	170.5	(152.8, 188.1)	78.9	(73.5, 84.4)
Female	*	*	*	*	32.7	(17.2, 48.2)	136.8	(105.6, 167.9)	158.2	(128.9, 187.5)	204.4	(169.2, 239.7)	193.5	(168.9, 218.1)	106.2	(97.5, 114.9)
Male	5.9	(1.5, 10.3)	*	*	*	*	49.5	(30.5, 68.6)	39.6	(24.9, 54.3)	87.8	(64.4, 111.2)	137.9	(113.3, 162.6)	48.4	(42.3, 54.6)

* indicates the rate has been suppressed.

Table 16b. Zolpidem dispensation rates per 1,000 population by jurisdiction, age, & gender; jurisdictions H-O.

Zolpidem	<18		18-24		25-34		35-44		45-54		55-64		65+		Total	
Jurisdictions H-O	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI
Harrison County	*	*	2.3	(-1.4, 6.0)	8.1	(2.3, 13.9)	58.7	(43.2, 74.2)	17.4	(10.2, 24.6)	79.1	(62.3, 95.9)	27.4	(19.9, 35.0)	24.9	(21.6, 28.2)
Female	*	*	*	*	15.9	(4.5, 27.4)	68.6	(44.6, 92.6)	18.7	(8.1, 29.3)	87.8	(62.5, 113.1)	27.1	(17.2, 37.1)	28.2	(23.3, 33.1)
Male	*	*	*	*	*	*	49.3	(29.6, 69.1)	16.1	(6.3, 25.8)	70.7	(48.5, 92.9)	27.8	(16.3, 39.3)	21.5	(17.2, 25.9)
Howard County	*	*	5.9	(1.8, 9.9)	7.3	(2.2, 12.3)	88.4	(70.6, 106.1)	79.6	(65.5, 93.7)	187.1	(163.5, 210.7)	139.2	(121.0, 157.4)	68.8	(63.7, 73.9)
Female	*	*	*	*	12.7	(3.3, 22.2)	84.9	(60.1, 109.7)	120.7	(96.1, 145.4)	236.1	(198.7, 273.5)	173.4	(146.1, 200.7)	89.6	(81.3, 97.8)
Male	*	*	*	*	*	*	91.7	(66.3, 117.2)	38.9	(25.0, 52.8)	132.8	(104.6, 161.0)	96.5	(73.7, 119.3)	47.2	(41.2, 53.2)
Iron County	*	*	12.1	(4.6, 19.6)	14.3	(7.4, 21.3)	67.7	(53.4, 82.0)	109.6	(93.5, 125.8)	197.0	(174.4, 219.6)	105.0	(90.5, 119.6)	73.5	(68.4, 78.7)
Female	*	*	*	*	26.3	(13.0, 39.7)	108.6	(82.6, 134.5)	154.5	(127.4, 181.6)	252.6	(216.8, 288.5)	79.0	(62.1, 96.0)	89.4	(81.4, 97.4)
Male	*	*	23.3	(8.8, 37.8)	*	*	28.7	(15.7, 41.7)	61.7	(44.6, 78.8)	139.6	(112.6, 166.7)	121.4	(97.9, 144.9)	54.1	(47.8, 60.4)
Jackson County (exc. Kansas City)	0.4	(0.3, 0.6)	10.0	(8.9, 11.0)	41.8	(40.1, 43.5)	118.8	(115.7, 121.9)	162.2	(158.9, 165.6)	264.2	(259.3, 269.0)	213.4	(209.2, 217.6)	103.2	(102.1, 104.2)
Female	0.4	(0.2, 0.5)	6.9	(5.7, 8.1)	37.8	(35.5, 40.1)	111.8	(107.6, 116.0)	131.0	(126.8, 135.3)	213.9	(207.9, 220.0)	180.8	(175.8, 185.9)	90.0	(88.7, 91.4)
Male	0.2	(0.1, 0.3)	5.9	(4.7, 7.0)	18.7	(17.0, 20.3)	47.7	(45.0, 50.5)	72.9	(69.6, 76.1)	123.6	(118.8, 128.5)	130.3	(125.2, 135.5)	48.2	(47.2, 49.2)
Jasper County (inc. Joplin City)	*	*	3.4	(2.3, 4.4)	37.5	(34.5, 40.5)	108.3	(102.9, 113.6)	167.2	(160.8, 173.6)	275.1	(266.0, 284.1)	194.9	(188.0, 201.8)	91.6	(89.9, 93.3)
Female	*	*	4.8	(3.1, 6.6)	47.1	(42.3, 51.8)	135.0	(126.5, 143.4)	209.7	(199.6, 219.7)	293.4	(280.5, 306.3)	206.3	(196.9, 215.6)	115.0	(112.3, 117.7)
Male	*	*	1.8	(0.8, 2.9)	22.3	(19.0, 25.5)	66.5	(60.5, 72.4)	106.2	(98.9, 113.4)	212.3	(200.8, 223.9)	157.1	(147.6, 166.7)	67.0	(64.9, 69.1)
Jefferson County	0.1	(0.0, 0.1)	14.1	(12.4, 15.9)	49.6	(47.0, 52.2)	128.6	(124.6, 132.7)	174.8	(170.5, 179.1)	306.2	(299.6, 312.9)	236.9	(230.8, 243.1)	117.8	(116.4, 119.3)
Female	*	*	13.9	(11.4, 16.3)	57.8	(53.9, 61.8)	150.1	(143.9, 156.3)	200.4	(193.9, 207.0)	339.1	(329.3, 348.9)	251.1	(242.6, 259.6)	134.7	(132.5, 136.8)
Male	*	*	9.5	(7.5, 11.4)	29.8	(27.0, 32.6)	74.2	(69.9, 78.6)	112.6	(107.7, 117.5)	206.9	(199.1, 214.7)	174.5	(166.7, 182.3)	76.0	(74.3, 77.6)
Johnson County	*	*	3.5	(2.4, 4.7)	26.5	(22.6, 30.3)	75.7	(68.6, 82.8)	100.4	(92.9, 108.0)	200.7	(188.4, 213.0)	161.4	(150.9, 171.9)	62.0	(59.9, 64.1)
Female	*	*	5.3	(3.3, 7.4)	30.1	(24.2, 36.0)	92.6	(81.5, 103.7)	113.8	(102.4, 125.2)	232.6	(214.0, 251.3)	157.8	(143.6, 172.0)	70.8	(67.6, 74.0)
Male	*	*	*	*	20.4	(15.7, 25.0)	43.9	(36.2, 51.5)	64.9	(56.3, 73.5)	126.4	(112.6, 140.3)	134.9	(120.9, 148.9)	41.4	(38.9, 43.8)
Joplin City (in Jasper & Newton Counties)	*	*	4.0	(2.5, 5.6)	44.9	(40.1, 49.8)	181.4	(170.5, 192.3)	272.8	(260.0, 285.7)	490.7	(472.1, 509.3)	301.4	(288.9, 313.9)	147.8	(144.4, 151.2)
Female	*	*	4.5	(2.2, 6.8)	45.4	(38.4, 52.4)	211.1	(194.5, 227.7)	326.0	(306.5, 345.6)	521.0	(494.9, 547.2)	300.1	(284.1, 316.1)	181.6	(176.4, 186.8)
Male	*	*	3.6	(1.5, 5.7)	32.2	(26.4, 37.9)	121.2	(108.6, 133.9)	164.9	(150.6, 179.2)	355.4	(332.2, 378.7)	266.6	(247.8, 285.4)	111.1	(106.8, 115.3)
Kansas City	0.4	(0.3, 0.5)	9.0	(8.1, 9.9)	44.0	(42.5, 45.5)	102.5	(99.9, 105.0)	145.6	(142.7, 148.5)	244.5	(240.2, 248.8)	201.6	(197.7, 205.5)	91.6	(90.7, 92.4)
Female	*	*	6.1	(5.1, 7.1)	31.0	(29.3, 32.8)	75.8	(72.7, 78.9)	108.1	(104.5, 111.6)	175.6	(170.6, 180.7)	137.2	(133.0, 141.4)	67.5	(66.5, 68.6)
Male	0.4	(0.2, 0.5)	5.5	(4.5, 6.5)	20.2	(18.8, 21.7)	42.8	(40.5, 45.1)	61.1	(58.4, 63.8)	114.3	(110.1, 118.6)	105.3	(100.9, 109.7)	40.8	(39.9, 41.6)
Lafayette County	0.1	(-0.1, 0.4)	5.7	(2.8, 8.6)	30.2	(24.5, 35.8)	69.3	(61.2, 77.3)	118.1	(108.8, 127.5)	173.3	(160.6, 186.0)	140.6	(130.7, 150.5)	75.1	(72.2, 78.1)
Female	*	*	9.2	(3.9, 14.4)	37.7	(28.7, 46.6)	76.6	(64.7, 88.4)	141.2	(126.7, 155.8)	152.6	(135.9, 169.2)	156.9	(142.8, 170.9)	83.2	(78.9, 87.6)
Male	*	*	*	*	14.5	(9.0, 20.0)	41.8	(32.9, 50.8)	58.4	(49.2, 67.7)	139.4	(123.0, 155.8)	78.0	(66.8, 89.1)	44.4	(41.2, 47.6)
Lincoln County	0.1	(-0.1, 0.2)	10.7	(7.6, 13.9)	42.5	(37.6, 47.3)	115.2	(107.2, 123.2)	154.8	(146.4, 163.3)	310.9	(296.3, 325.4)	226.2	(213.9, 238.6)	104.2	(101.5, 107.0)
Female	*	*	14.4	(9.3, 19.4)	56.9	(49.0, 64.7)	164.2	(150.7, 177.7)	189.1	(175.8, 202.4)	362.5	(340.4, 384.6)	246.8	(229.2, 264.3)	128.0	(123.7, 132.3)
Male	*	*	7.1	(3.5, 10.6)	26.6	(21.1, 32.1)	60.9	(52.7, 69.0)	117.5	(107.1, 127.8)	240.2	(222.0, 258.3)	180.3	(164.1, 196.5)	74.7	(71.4, 78.0)
Livingston County	*	*	0.9	(-0.8, 2.5)	25.0	(17.9, 32.1)	70.5	(58.6, 82.3)	78.9	(67.0, 90.8)	220.9	(199.9, 241.9)	198.1	(181.5, 214.7)	87.5	(82.8, 92.2)
Female	*	*	*	*	9.6	(3.9, 15.3)	64.4	(49.7, 79.2)	97.3	(79.6, 114.9)	273.4	(241.4, 305.5)	189.3	(168.0, 210.6)	93.6	(87.1, 100.2)
Male	*	*	*	*	47.7	(32.4, 63.1)	79.0	(59.5, 98.6)	55.4	(40.4, 70.5)	156.2	(130.5, 181.9)	210.3	(184.0, 236.7)	79.1	(72.4, 85.8)
Madison County	0.3	(-0.3, 1.0)	2.9	(-0.4, 6.2)	53.4	(41.0, 65.7)	75.2	(60.8, 89.6)	158.6	(140.4, 176.8)	301.4	(273.7, 329.1)	224.7	(204.8, 244.7)	115.7	(109.7, 121.8)
Female	*	*	*	*	47.8	(31.2, 64.3)	73.0	(53.2, 92.9)	215.5	(185.6, 245.4)	364.1	(321.5, 406.8)	246.3	(218.2, 274.3)	138.8	(129.6, 148.1)
Male	*	*	*	*	58.9	(40.7, 77.2)	77.5	(56.6, 98.3)	97.0	(76.8, 117.3)	224.5	(190.4, 258.5)	195.9	(167.9, 223.8)	89.5	(82.0, 97.1)
McDonald County	*	*	2.6	(0.3, 4.8)	2.6	(0.7, 4.4)	29.1	(23.1, 35.2)	61.6	(53.3, 70.0)	104.4	(92.1, 116.8)	96.3	(85.0, 107.6)	37.3	(34.8, 39.8)
Female	*	*	*	*	5.1	(1.3, 8.9)	46.1	(35.2, 57.0)	76.7	(63.4, 90.0)	89.7	(73.5, 105.9)	99.0	(83.2, 114.7)	41.9	(38.2, 45.7)
Male	*	*	*	*	*	*	12.5	(6.9, 18.1)	41.2	(31.6, 50.8)	115.4	(97.0, 133.8)	93.3	(77.0, 109.5)	31.5	(28.3, 34.7)
Miller County	*	*	0.5	(-0.5, 1.6)	23.3	(17.6, 28.9)	58.5	(49.9, 67.1)	79.6	(70.5, 88.6)	99.8	(88.9, 110.8)	106.5	(96.2, 116.7)	51.6	(48.8, 54.5)
Female	*	*	*	*	17.9	(10.9, 24.9)	83.7	(69.2, 98.2)	106.9	(92.1, 121.7)	125.1	(107.8, 142.3)	126.5	(111.4, 141.6)	66.4	(61.9, 71.0)
Male	*	*	*	*	27.9	(19.2, 36.7)	32.0	(23.1, 41.0)	49.1	(39.1, 59.1)	66.7	(54.0, 79.4)	81.7	(68.3, 95.0)	34.9	(31.6, 38.2)
Montgomery County	*	*	*	*	20.1	(12.4, 27.8)	48.0	(36.4, 59.5)	122.0	(106.5, 137.5)	212.0	(189.6, 234.4)	114.2	(100.3, 128.0)	76.4	(71.5, 81.3)
Female	*	*	*	*	39.0	(24.0, 54.0)	63.7	(44.5, 83.0)	125.0	(102.9, 147.1)	234.2	(200.4, 267.9)	116.0	(97.4, 134.7)	85.8	(78.5, 93.2)
Male	*	*	*	*	*	*	33.5	(20.1, 46.9)	112.7	(91.6, 133.9)	177.7	(149.0, 206.3)	111.8	(91.1, 132.5)	64.2	(57.9, 70.6)
New Madrid County	4.7	(2.7, 6.6)	24.3	(16.5, 32.1)	63.7	(53.0, 74.3)	165.7	(149.3, 182.2)	242.2	(224.1, 260.3)	294.7	(273.5, 315.9)	238.8	(221.4, 256.1)	144.7	(139.2, 150.1)
Female	9.5	(5.4, 13.6)	29.0	(16.9, 41.1)	67.5	(52.4, 82.6)	183.2	(158.8, 207.6)	286.7	(259.5, 313.9)	317.3	(286.8, 347.8)	255.8	(232.2, 279.4)	165.4	(157.4, 173.4)
Male	*	*	19.6	(9.7, 29.6)	53.6	(39.4, 67.7)	108.7	(89.8, 127.6)	152.0	(131.3, 172.8)	262.8	(233.9, 291.7)	183.1	(159.6, 206.6)	104.9	(98.2, 111.5)
Newton County (inc. Joplin City)	*	*	2.7	(1.3, 4.2)	25.5	(21.6, 29.4)	52.9	(47.6, 58.2)	86.8	(80.5, 93.1)	157.2	(148.0, 166.3)	125.2	(117.8, 132.6)	56.9	(55.0, 58.9)
Female	*	*	4.5	(1.9, 7.2)	32.7	(26.5, 38.9)	63.0	(54.8, 71.2)	106.0	(96.2, 115.7)	185.3	(171.3, 199.2)	153.6	(142.7, 164.6)	76.4	(73.3, 79.6)
Male	*	*	*	*	13.3	(9.3, 17.3)	33.8	(27.8, 39.8)	51.1	(44.3, 58.0)	97.6	(87.4, 107.8)	86.5	(77.3, 95.7)	37.1	(34.9, 39.3)
Osage County	0.3	(-0.3, 0.9)	0.8	(-0.7, 2.3)	24.5	(16.6, 32.4)	32.2	(23.9, 40.4)	103.0	(89.3, 116.7)	130.2	(112.8, 147.7)	105.4	(91.5, 119.4)	53.9	(50.0, 57.8)
Female	*	*	*	*	39.5	(24.9, 54.2)	41.9	(28.4, 55.3)	122.1	(100.2, 143.9)	156.0	(128.3, 183.7)	137.4	(115.9, 158.8)	70.0	(63.6, 76.3)
Male	*	*	*	*	*	*	18.5	(9.7, 27.3)	84.7	(67.8, 101.7)	106.9	(85.0, 128.7)	64.2	(48.0, 80.5)	36.8	(32.4, 41.3)

* indicates the rate has been suppressed.

Table 16c. Zolpidem dispensation rates per 1,000 population by jurisdiction, age, & gender; jurisdictions P-Z.

Zolpidem	<18		18-24		25-34		35-44		45-54		55-64		65+		Total	
Jurisdictions P-Z	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI
Pemiscot County	**0.6**	**(-0.1, 1.3)**	**8.7**	**(4.1, 13.3)**	**129.3**	**(113.9, 144.7)**	**242.5**	**(221.7, 263.4)**	**276.8**	**(256.3, 297.2)**	**439.3**	**(411.5, 467.2)**	**226.9**	**(208.9, 244.9)**	**168.3**	**(162.4, 174.3)**
Female	*	*	13.1	(5.4, 20.8)	142.6	(120.6, 164.6)	334.8	(300.8, 368.9)	356.0	(323.8, 388.1)	511.9	(470.3, 553.4)	237.6	(213.6, 261.7)	205.9	(196.9, 215.0)
Male	*	*	*	*	113.7	(92.3, 135.0)	133.6	(111.3, 155.9)	191.0	(166.5, 215.5)	356.8	(320.4, 393.2)	210.8	(183.8, 237.7)	125.2	(117.8, 132.7)
Perry County	*****	*****	**2.7**	**(0.1, 5.4)**	**19.8**	**(14.0, 25.6)**	**47.6**	**(38.8, 56.3)**	**79.3**	**(68.8, 89.8)**	**94.1**	**(81.7, 106.5)**	**99.7**	**(88.3, 111.0)**	**47.3**	**(44.2, 50.4)**
Female	*	*	*	*	26.2	(16.7, 35.8)	30.0	(20.1, 40.0)	84.5	(69.2, 99.8)	129.6	(108.9, 150.3)	117.1	(100.7, 133.4)	55.9	(51.2, 60.7)
Male	*	*	*	*	13.7	(7.0, 20.4)	56.2	(42.8, 69.6)	61.9	(48.8, 74.9)	38.0	(26.9, 49.2)	67.3	(53.1, 81.6)	31.9	(28.3, 35.5)
Pettis County	**1.4**	**(0.7, 2.1)**	**11.8**	**(8.4, 15.2)**	**41.2**	**(35.8, 46.7)**	**108.1**	**(98.9, 117.2)**	**120.8**	**(112.1, 129.5)**	**192.1**	**(179.7, 204.5)**	**130.1**	**(121.1, 139.1)**	**78.0**	**(75.3, 80.6)**
Female	*	*	16.5	(10.8, 22.1)	45.2	(37.0, 53.3)	100.3	(87.8, 112.8)	133.2	(120.2, 146.2)	216.3	(197.8, 234.8)	141.2	(128.9, 153.5)	85.6	(81.7, 89.5)
Male	2.2	(1.0, 3.4)	5.6	(2.3, 8.9)	21.8	(16.3, 27.4)	64.3	(54.3, 74.3)	52.2	(44.1, 60.2)	109.1	(95.8, 122.3)	77.8	(67.2, 88.5)	41.9	(39.1, 44.7)
Polk County	**0.6**	**(0.1, 1.2)**	**0.9**	**(-0.1, 1.8)**	**17.5**	**(13.0, 22.0)**	**50.1**	**(42.7, 57.4)**	**60.2**	**(52.9, 67.5)**	**81.6**	**(72.2, 91.0)**	**67.3**	**(60.1, 74.5)**	**36.5**	**(34.4, 38.6)**
Female	*	*	*	*	20.7	(13.8, 27.6)	62.4	(50.9, 73.9)	67.2	(56.4, 78.0)	106.1	(91.3, 121.0)	83.9	(73.2, 94.7)	46.6	(43.2, 50.0)
Male	*	*	*	*	14.3	(8.6, 20.1)	36.2	(27.3, 45.2)	53.0	(43.4, 62.7)	54.0	(42.9, 65.0)	46.6	(37.7, 55.6)	25.9	(23.4, 28.5)
Reynolds County	*****	*****	*****	*****	**2.6**	**(-1.5, 6.7)**	**35.1**	**(22.2, 48.0)**	**75.6**	**(58.7, 92.4)**	**121.7**	**(99.5, 143.9)**	**95.3**	**(78.8, 111.9)**	**52.4**	**(46.9, 57.9)**
Female	*	*	*	*	*	*	55.7	(32.5, 79.0)	88.5	(62.4, 114.6)	176.0	(138.0, 214.1)	81.8	(60.5, 103.0)	62.6	(54.1, 71.2)
Male	*	*	*	*	*	*	15.3	(3.4, 27.2)	51.2	(31.8, 70.5)	69.0	(45.5, 92.5)	109.9	(84.4, 135.5)	40.3	(33.6, 47.0)
St. Charles County	**0.3**	**(0.2, 0.4)**	**14.6**	**(13.3, 16.0)**	**46.9**	**(45.0, 48.9)**	**127.0**	**(123.9, 130.1)**	**159.5**	**(156.3, 162.8)**	**305.1**	**(299.8, 310.5)**	**247.6**	**(242.7, 252.4)**	**113.0**	**(111.9, 114.1)**
Female	0.6	(0.4, 0.8)	12.5	(10.7, 14.2)	51.5	(48.6, 54.4)	134.3	(129.8, 138.7)	163.6	(159.0, 168.3)	293.3	(286.0, 300.5)	242.8	(236.4, 249.2)	116.9	(115.3, 118.4)
Male	*	*	11.4	(9.7, 13.0)	31.7	(29.4, 34.0)	73.8	(70.4, 77.2)	99.4	(95.7, 103.0)	212.2	(205.8, 218.7)	188.6	(182.2, 195.0)	73.7	(72.4, 74.9)
St. Francois County	**0.8**	**(0.4, 1.3)**	**7.7**	**(5.5, 9.8)**	**39.5**	**(35.4, 43.5)**	**123.3**	**(115.9, 130.7)**	**162.8**	**(154.8, 170.7)**	**281.0**	**(269.0, 293.0)**	**169.7**	**(161.3, 178.0)**	**104.1**	**(101.7, 106.6)**
Female	*	*	8.1	(4.6, 11.5)	59.8	(52.0, 67.5)	185.5	(171.7, 199.4)	203.3	(190.0, 216.5)	353.4	(334.1, 372.7)	196.3	(184.4, 208.2)	136.6	(132.5, 140.7)
Male	1.6	(0.7, 2.5)	5.7	(3.2, 8.1)	17.9	(14.4, 21.4)	57.8	(51.1, 64.5)	98.6	(90.3, 106.9)	178.3	(165.0, 191.7)	95.9	(86.4, 105.4)	58.4	(55.9, 61.0)
City of St. Joseph	**0.2**	**(0.0, 0.5)**	**9.0**	**(7.0, 11.0)**	**34.0**	**(30.6, 37.5)**	**94.5**	**(88.2, 100.8)**	**146.5**	**(139.3, 153.8)**	**214.3**	**(204.4, 224.1)**	**152.0**	**(144.6, 159.4)**	**82.2**	**(80.2, 84.2)**
Female	*	*	5.7	(3.5, 8.0)	38.1	(32.7, 43.5)	97.3	(88.0, 106.6)	148.6	(138.1, 159.1)	192.0	(179.0, 205.0)	144.1	(134.9, 153.4)	82.3	(79.5, 85.2)
Male	*	*	6.4	(4.1, 8.8)	21.9	(18.1, 25.8)	43.9	(38.0, 49.8)	96.8	(88.6, 105.0)	151.4	(139.4, 163.3)	109.3	(99.2, 119.3)	51.8	(49.5, 54.1)
St. Louis County	**0.4**	**(0.3, 0.5)**	**10.6**	**(9.9, 11.3)**	**37.2**	**(36.2, 38.3)**	**85.4**	**(83.7, 87.0)**	**124.2**	**(122.5, 126.0)**	**225.2**	**(222.6, 227.8)**	**204.2**	**(201.9, 206.4)**	**94.9**	**(94.3, 95.5)**
Female	0.4	(0.3, 0.5)	9.4	(8.5, 10.3)	37.7	(36.2, 39.2)	91.9	(89.6, 94.3)	124.9	(122.5, 127.3)	230.9	(227.3, 234.5)	189.7	(186.8, 192.5)	98.5	(97.6, 99.3)
Male	0.3	(0.2, 0.4)	9.0	(8.1, 9.9)	25.5	(24.2, 26.8)	53.0	(51.1, 54.9)	83.7	(81.6, 85.8)	155.8	(152.6, 159.0)	166.4	(163.1, 169.6)	64.6	(63.9, 65.3)
St. Louis City	**0.0**	**(0.0, 0.1)**	**5.5**	**(4.7, 6.2)**	**29.9**	**(28.5, 31.3)**	**76.4**	**(73.7, 79.1)**	**112.5**	**(109.4, 115.6)**	**210.2**	**(205.4, 215.0)**	**124.9**	**(121.2, 128.6)**	**68.1**	**(67.1, 69.0)**
Female	*	*	6.3	(5.3, 7.4)	28.3	(26.3, 30.2)	74.5	(70.7, 78.3)	109.6	(105.2, 113.9)	191.8	(185.4, 198.2)	112.1	(107.7, 116.6)	65.3	(64.0, 66.5)
Male	*	*	3.5	(2.6, 4.3)	22.9	(21.1, 24.7)	53.6	(50.4, 56.8)	88.9	(85.0, 92.9)	180.9	(174.4, 187.3)	110.9	(105.3, 116.6)	53.9	(52.7, 55.0)
Ste. Genevieve County	*****	*****	**14.1**	**(7.7, 20.4)**	**45.1**	**(35.6, 54.7)**	**60.7**	**(50.3, 71.1)**	**98.3**	**(87.3, 109.4)**	**159.6**	**(144.0, 175.3)**	**93.1**	**(82.0, 104.2)**	**66.7**	**(63.0, 70.5)**
Female	*	*	*	*	83.8	(65.1, 102.5)	61.3	(46.5, 76.1)	111.1	(94.3, 127.9)	117.4	(98.0, 136.9)	93.1	(78.2, 108.1)	67.1	(61.7, 72.4)
Male	*	*	18.1	(8.3, 27.9)	7.1	(1.8, 12.3)	31.4	(20.9, 42.0)	31.0	(22.3, 39.7)	109.6	(91.7, 127.5)	48.1	(36.2, 59.9)	33.8	(30.1, 37.6)
Saline County	**0.2**	**(-0.2, 0.5)**	**8.4**	**(5.0, 11.8)**	**37.6**	**(30.3, 44.9)**	**153.3**	**(138.2, 168.3)**	**132.0**	**(119.6, 144.4)**	**206.5**	**(190.0, 223.0)**	**145.7**	**(133.4, 158.0)**	**89.8**	**(86.0, 93.7)**
Female	*	*	5.6	(1.4, 9.7)	37.1	(26.9, 47.3)	186.8	(163.5, 210.1)	173.3	(153.1, 193.6)	237.3	(212.0, 262.5)	144.2	(128.2, 160.2)	105.1	(99.2, 110.9)
Male	*	*	10.1	(5.0, 15.2)	33.7	(24.0, 43.4)	68.2	(53.9, 82.6)	48.0	(37.5, 58.5)	100.1	(84.0, 116.3)	85.9	(71.3, 100.6)	43.9	(40.1, 47.7)
Scott County	**0.1**	**(-0.1, 0.3)**	**13.5**	**(9.5, 17.5)**	**56.6**	**(49.8, 63.4)**	**136.5**	**(126.2, 146.9)**	**227.7**	**(215.3, 240.1)**	**336.2**	**(320.0, 352.3)**	**216.6**	**(204.7, 228.5)**	**132.9**	**(129.3, 136.5)**
Female	*	*	16.8	(10.6, 23.0)	65.5	(55.3, 75.6)	141.6	(126.8, 156.4)	256.5	(238.1, 274.8)	393.5	(369.4, 417.6)	222.1	(206.3, 237.9)	151.3	(145.9, 156.6)
Male	*	*	8.2	(3.8, 12.7)	33.7	(26.1, 41.3)	99.2	(86.6, 111.8)	140.9	(127.0, 154.9)	217.3	(198.4, 236.2)	162.6	(146.6, 178.5)	86.1	(81.9, 90.3)
Stoddard County	*****	*****	**13.8**	**(9.1, 18.4)**	**52.0**	**(44.4, 59.7)**	**146.9**	**(134.5, 159.4)**	**179.2**	**(166.6, 191.7)**	**264.0**	**(247.7, 280.2)**	**162.6**	**(151.7, 173.4)**	**114.2**	**(110.4, 118.0)**
Female	*	*	21.9	(13.5, 30.3)	67.7	(55.5, 80.0)	194.6	(174.3, 214.9)	226.3	(206.6, 246.1)	314.3	(289.8, 338.8)	190.2	(174.8, 205.7)	143.8	(137.8, 149.8)
Male	*	*	*	*	31.5	(23.1, 40.0)	87.9	(74.4, 101.4)	124.4	(109.5, 139.3)	197.9	(177.6, 218.3)	121.9	(107.5, 136.2)	77.7	(73.1, 82.2)
Stone County	*****	*****	**21.1**	**(14.5, 27.7)**	**30.1**	**(23.5, 36.8)**	**50.0**	**(42.4, 57.5)**	**129.6**	**(119.4, 139.7)**	**157.4**	**(147.1, 167.8)**	**117.7**	**(110.1, 125.3)**	**84.7**	**(81.6, 87.9)**
Female	*	*	21.1	(11.5, 30.7)	28.7	(19.4, 37.9)	65.9	(53.8, 78.0)	148.8	(133.7, 163.8)	169.6	(154.7, 184.4)	154.4	(142.2, 166.6)	101.6	(96.7, 106.5)
Male	*	*	21.1	(12.0, 30.1)	31.6	(21.9, 41.2)	25.9	(18.1, 33.7)	94.4	(82.0, 106.9)	131.2	(117.5, 144.9)	67.9	(59.7, 76.1)	59.3	(55.5, 63.1)
Taney County	**1.1**	**(0.5, 1.8)**	**3.4**	**(1.8, 5.0)**	**39.9**	**(34.8, 44.9)**	**71.6**	**(64.9, 78.2)**	**128.1**	**(119.8, 136.4)**	**209.4**	**(198.6, 220.3)**	**160.9**	**(152.7, 169.1)**	**87.4**	**(84.9, 90.0)**
Female	*	*	4.9	(2.2, 7.6)	45.9	(38.2, 53.5)	75.2	(65.6, 84.8)	158.0	(145.0, 171.0)	204.0	(189.3, 218.6)	175.9	(164.2, 187.7)	96.7	(92.9, 100.4)
Male	*	*	*	*	14.4	(10.1, 18.8)	43.6	(36.1, 51.1)	66.0	(57.5, 74.5)	148.2	(134.8, 161.6)	97.8	(88.4, 107.2)	51.5	(48.7, 54.3)
Vernon County	**0.4**	**(-0.1, 0.9)**	**3.8**	**(1.0, 6.6)**	**30.6**	**(23.5, 37.7)**	**89.8**	**(77.9, 101.8)**	**102.3**	**(91.0, 113.7)**	**173.9**	**(158.5, 189.4)**	**100.1**	**(89.6, 110.6)**	**68.2**	**(64.6, 71.7)**
Female	*	*	6.8	(1.8, 11.9)	43.3	(31.4, 55.2)	118.9	(99.7, 138.0)	140.6	(121.9, 159.4)	211.7	(187.9, 235.6)	126.4	(110.6, 142.2)	89.3	(83.6, 94.9)
Male	*	*	*	*	16.6	(9.1, 24.1)	58.9	(45.0, 72.8)	63.2	(50.5, 75.9)	134.3	(114.8, 153.7)	65.0	(52.2, 77.9)	45.5	(41.4, 49.6)
Wayne County	*****	*****	**1.0**	**(-1.0, 3.0)**	**29.2**	**(19.7, 38.8)**	**83.3**	**(69.0, 97.7)**	**159.6**	**(142.3, 176.9)**	**171.5**	**(153.3, 189.8)**	**181.3**	**(165.8, 196.9)**	**100.5**	**(95.2, 105.9)**
Female	*	*	*	*	38.2	(22.6, 53.8)	139.3	(113.5, 165.1)	210.9	(182.8, 239.1)	133.7	(111.3, 156.0)	215.8	(192.1, 239.5)	119.7	(111.5, 128.0)
Male	*	*	*	*	17.5	(7.2, 27.8)	23.8	(12.8, 34.8)	93.7	(74.9, 112.4)	173.5	(147.1, 199.8)	133.4	(114.4, 152.4)	70.9	(64.5, 77.2)
Total	**0.3**	**(0.3, 0.4)**	**8.6**	**(8.3, 8.8)**	**39.4**	**(39.0, 39.9)**	**100.3**	**(99.5, 101.1)**	**142.5**	**(141.6, 143.3)**	**241.3**	**(240.1, 242.6)**	**188.9**	**(187.8, 189.9)**	**94.2**	**(93.9, 94.5)**
Female	0.4	(0.4, 0.5)	8.1	(7.7, 8.4)	41.4	(40.7, 42.1)	107.6	(106.4, 108.7)	149.0	(147.7, 150.3)	239.8	(238.0, 241.5)	181.4	(180.0, 182.7)	98.1	(97.7, 98.5)
Male	0.3	(0.3, 0.4)	6.6	(6.2, 6.9)	24.0	(23.4, 24.5)	56.5	(55.7, 57.4)	86.2	(85.2, 87.1)	161.9	(160.4, 163.4)	141.3	(139.9, 142.7)	59.5	(59.2, 59.8)

* indicates the rate has been suppressed.

Table17a. Muscle relaxant dispensation rates per 1,000 population by jurisdiction, age, & gender; jurisdictions A-G.

Muscle Relaxants	<18		18-24		25-34		35-44		45-54		55-64		65+		Total	
Jurisdictions A-G	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI
Andrew County	*	*	*	*	*	*	**10.9**	**(6.5, 15.2)**	**0.5**	**(-0.3, 1.3)**	**11.4**	**(7.1, 15.7)**	*	*	**3.0**	**(2.2, 3.8)**
Female	*	*	*	*	*	*	*	*	*	*	21.9	(13.3, 30.4)	*	*	2.9	(1.8, 4.0)
Male	*	*	*	*	*	*	20.5	(12.0, 28.9)	*	*	*	*	*	*	2.8	(1.7, 3.9)
Audrain County	*	*	*	*	**3.1**	**(1.2, 5.0)**	**24.1**	**(18.6, 29.5)**	**40.4**	**(33.8, 47.0)**	**71.7**	**(62.2, 81.3)**	**25.0**	**(20.1, 29.8)**	**21.5**	**(19.7, 23.3)**
Female	*	*	*	*	4.6	(1.6, 7.6)	20.8	(14.1, 27.5)	58.1	(47.3, 68.9)	81.5	(67.4, 95.6)	29.3	(22.4, 36.1)	25.9	(23.2, 28.5)
Male	*	*	*	*	*	*	28.4	(19.3, 37.4)	20.3	(13.5, 27.1)	59.9	(47.4, 72.5)	18.9	(12.4, 25.5)	16.4	(14.1, 18.7)
Barry County	*	*	**0.6**	**(-0.3, 1.5)**	**5.0**	**(2.7, 7.3)**	**6.8**	**(4.3, 9.3)**	**8.1**	**(5.7, 10.5)**	**36.3**	**(30.9, 41.7)**	**5.8**	**(4.0, 7.7)**	**8.5**	**(7.5, 9.4)**
Female	*	*	*	*	5.4	(2.0, 8.7)	13.4	(8.5, 18.4)	12.7	(8.4, 17.1)	44.1	(35.8, 52.5)	6.9	(4.1, 9.6)	11.2	(9.7, 12.8)
Male	*	*	*	*	4.6	(1.5, 7.7)	*	*	3.7	(1.4, 6.0)	28.3	(21.5, 35.0)	4.6	(2.2, 7.1)	5.7	(4.5, 6.8)
Bates County	*	*	*	*	**9.1**	**(4.8, 13.5)**	**20.4**	**(14.1, 26.8)**	**24.5**	**(18.5, 30.5)**	**48.7**	**(39.3, 58.0)**	**31.1**	**(24.8, 37.4)**	**18.7**	**(16.6, 20.7)**
Female	*	*	*	*	8.7	(2.7, 14.8)	25.1	(15.0, 35.1)	33.6	(23.6, 43.5)	54.0	(40.2, 67.8)	50.1	(39.4, 60.7)	25.5	(22.1, 28.8)
Male	*	*	*	*	*	*	16.0	(8.2, 23.8)	14.6	(8.0, 21.2)	25.4	(15.6, 35.1)	5.3	(1.4, 9.2)	8.2	(6.3, 10.1)
Benton County	*	*	**14.8**	**(7.6, 22.1)**	**12.4**	**(6.5, 18.3)**	**46.2**	**(36.5, 55.9)**	**65.0**	**(55.7, 74.3)**	**60.9**	**(52.7, 69.2)**	**28.4**	**(23.7, 33.1)**	**34.6**	**(31.9, 37.2)**
Female	*	*	30.9	(15.8, 46.1)	25.0	(13.1, 36.8)	54.1	(39.4, 68.8)	95.4	(79.3, 111.5)	64.7	(52.9, 76.5)	40.9	(33.0, 48.9)	45.9	(41.6, 50.2)
Male	*	*	*	*	*	*	35.8	(23.6, 48.1)	30.5	(21.6, 39.4)	55.2	(44.0, 66.4)	13.9	(9.2, 18.6)	21.5	(18.5, 24.4)
Bollinger County	*	*	*	*	**9.4**	**(4.1, 14.7)**	**42.2**	**(31.9, 52.6)**	**40.5**	**(31.6, 49.4)**	**55.1**	**(43.9, 66.3)**	**13.6**	**(8.6, 18.6)**	**22.3**	**(19.7, 25.0)**
Female	*	*	*	*	14.7	(5.1, 24.3)	39.8	(25.8, 53.9)	28.2	(17.6, 38.9)	64.2	(47.1, 81.3)	6.4	(1.7, 11.2)	20.7	(17.1, 24.3)
Male	*	*	*	*	*	*	44.7	(29.5, 60.0)	52.3	(38.1, 66.5)	46.0	(31.6, 60.4)	21.7	(12.4, 31.0)	23.9	(20.1, 27.8)
Boone County	**0.0**	**(0.0, 0.1)**	**0.1**	**(0.0, 0.2)**	**5.8**	**(4.9, 6.8)**	**17.1**	**(15.3, 19.0)**	**19.9**	**(17.9, 21.8)**	**25.8**	**(23.3, 28.2)**	**22.3**	**(19.9, 24.7)**	**9.9**	**(9.4, 10.4)**
Female	*	*	*	*	10.0	(8.3, 11.8)	25.9	(22.7, 29.1)	26.8	(23.6, 29.9)	33.3	(29.4, 37.2)	22.6	(19.4, 25.7)	13.5	(12.7, 14.2)
Male	*	*	*	*	1.0	(0.4, 1.5)	6.3	(4.6, 7.9)	11.8	(9.6, 14.0)	17.6	(14.6, 20.6)	19.9	(16.5, 23.4)	5.6	(5.1, 6.1)
Butler County	*	*	**1.1**	**(0.0, 2.2)**	**8.0**	**(5.5, 10.5)**	**18.6**	**(14.9, 22.3)**	**26.4**	**(22.4, 30.5)**	**51.4**	**(45.4, 57.3)**	**11.7**	**(9.2, 14.2)**	**15.8**	**(14.7, 17.0)**
Female	*	*	*	*	11.7	(7.6, 15.8)	24.6	(18.7, 30.6)	33.3	(27.0, 39.7)	64.4	(55.2, 73.6)	6.6	(4.1, 9.0)	18.9	(17.1, 20.8)
Male	*	*	*	*	*	*	10.3	(6.3, 14.3)	13.2	(9.1, 17.3)	23.2	(17.4, 29.0)	18.1	(13.4, 22.8)	9.2	(7.9, 10.5)
Cape Girardeau County	*	*	**0.2**	**(-0.1, 0.5)**	**5.4**	**(3.9, 6.8)**	**17.2**	**(14.5, 19.9)**	**27.8**	**(24.6, 31.0)**	**43.3**	**(39.0, 47.7)**	**19.5**	**(16.8, 22.1)**	**14.4**	**(13.6, 15.3)**
Female	*	*	*	*	5.7	(3.6, 7.9)	21.2	(16.9, 25.5)	36.7	(31.6, 41.9)	44.5	(38.4, 50.5)	24.3	(20.4, 28.1)	17.3	(16.0, 18.6)
Male	*	*	*	*	4.2	(2.4, 6.0)	12.2	(8.9, 15.5)	13.7	(10.5, 16.9)	37.8	(32.0, 43.6)	11.3	(8.2, 14.3)	9.8	(8.8, 10.8)
Carroll County	*	*	*	*	**1.7**	**(-0.9, 4.2)**	**36.9**	**(25.7, 48.1)**	**60.8**	**(47.4, 74.1)**	**18.7**	**(11.1, 26.3)**	**10.3**	**(5.6, 15.0)**	**17.7**	**(15.0, 20.5)**
Female	*	*	*	*	*	*	37.9	(22.0, 53.9)	12.8	(4.1, 21.5)	19.0	(8.1, 29.8)	8.3	(2.7, 14.0)	10.9	(7.9, 13.8)
Male	*	*	*	*	*	*	11.9	(2.9, 21.0)	40.0	(24.8, 55.2)	10.6	(2.5, 18.6)	*	*	9.2	(6.4, 12.0)
Carter County	*	*	*	*	*	*	**10.6**	**(3.2, 18.0)**	**15.1**	**(7.3, 23.0)**	**5.6**	**(0.6, 10.7)**	**12.2**	**(5.5, 18.9)**	**6.3**	**(4.3, 8.3)**
Female	*	*	*	*	*	*	*	*	20.6	(7.5, 33.7)	*	*	*	*	3.4	(1.4, 5.5)
Male	*	*	*	*	*	*	21.5	(6.5, 36.6)	*	*	*	*	26.2	(11.8, 40.7)	9.3	(5.9, 12.7)
Cass County	**0.0**	**(0.0, 0.1)**	**2.9**	**(1.7, 4.1)**	**7.6**	**(6.1, 9.2)**	**22.2**	**(19.7, 24.8)**	**33.1**	**(30.2, 35.9)**	**49.5**	**(45.4, 53.6)**	**23.8**	**(21.2, 26.4)**	**18.1**	**(17.2, 18.9)**
Female	*	*	4.2	(2.1, 6.2)	4.3	(2.7, 6.0)	26.5	(22.6, 30.3)	31.2	(27.3, 35.2)	47.2	(41.7, 52.7)	29.3	(25.5, 33.2)	19.0	(17.8, 20.2)
Male	*	*	*	*	5.6	(3.7, 7.5)	8.2	(6.0, 10.4)	15.6	(12.8, 18.4)	21.8	(17.9, 25.7)	12.3	(9.5, 15.1)	8.1	(7.3, 8.9)
Clay County	*	*	**1.3**	**(0.5, 2.0)**	**5.3**	**(4.2, 6.5)**	**17.3**	**(15.2, 19.4)**	**22.4**	**(20.1, 24.8)**	**27.6**	**(24.7, 30.6)**	**18.5**	**(16.1, 20.9)**	**11.9**	**(11.2, 12.5)**
Female	*	*	1.8	(0.6, 3.1)	1.3	(0.5, 2.0)	15.5	(12.7, 18.2)	22.2	(19.0, 25.4)	23.7	(20.0, 27.5)	15.7	(12.8, 18.7)	10.5	(9.7, 11.4)
Male	*	*	*	*	4.3	(2.8, 5.8)	6.2	(4.5, 8.0)	12.3	(9.9, 14.8)	14.4	(11.3, 17.4)	16.5	(13.0, 20.0)	6.6	(5.9, 7.3)
Cole County	*	*	**0.1**	**(-0.1, 0.4)**	**1.4**	**(0.7, 2.2)**	**8.6**	**(6.8, 10.4)**	**16.3**	**(14.0, 18.7)**	**19.2**	**(16.5, 22.0)**	**3.4**	**(2.2, 4.6)**	**6.7**	**(6.1, 7.3)**
Female	*	*	*	*	*	*	10.0	(7.1, 12.8)	20.4	(16.6, 24.1)	22.5	(18.2, 26.7)	1.5	(0.5, 2.5)	7.5	(6.6, 8.3)
Male	*	*	*	*	2.0	(0.8, 3.1)	7.4	(5.1, 9.7)	11.7	(8.9, 14.4)	13.6	(10.3, 17.0)	6.1	(3.7, 8.5)	5.5	(4.8, 6.2)
Cooper County	*	*	**0.6**	**(-0.6, 1.7)**	**2.5**	**(0.5, 4.5)**	**10.2**	**(5.8, 14.5)**	**6.5**	**(3.4, 9.6)**	**14.5**	**(9.4, 19.5)**	**9.6**	**(5.9, 13.3)**	**5.8**	**(4.7, 6.9)**
Female	*	*	*	*	6.3	(1.3, 11.3)	17.3	(9.1, 25.6)	13.4	(7.0, 19.7)	10.9	(4.7, 17.1)	8.5	(3.9, 13.1)	7.9	(6.0, 9.8)
Male	*	*	*	*	*	*	*	*	*	*	13.4	(6.4, 20.4)	10.2	(4.4, 16.0)	2.9	(1.8, 4.0)
Dunklin County	*	*	**0.8**	**(-0.3, 1.9)**	**9.0**	**(5.9, 12.1)**	**21.3**	**(16.8, 25.9)**	**41.7**	**(35.7, 47.7)**	**55.3**	**(48.0, 62.5)**	**42.6**	**(37.1, 48.2)**	**23.5**	**(21.8, 25.1)**
Female	*	*	*	*	6.9	(3.1, 10.6)	30.2	(22.6, 37.8)	48.4	(39.4, 57.5)	58.2	(48.0, 68.5)	38.4	(31.5, 45.4)	25.5	(23.1, 28.0)
Male	*	*	*	*	10.1	(5.3, 14.8)	11.4	(6.6, 16.2)	34.1	(26.3, 41.9)	51.4	(41.2, 61.6)	47.9	(38.8, 57.0)	20.8	(18.5, 23.1)
Franklin County	**0.0**	**(0.0, 0.1)**	*	*	**11.6**	**(9.6, 13.5)**	**15.0**	**(12.9, 17.1)**	**22.7**	**(20.4, 25.0)**	**34.6**	**(31.3, 37.9)**	**9.2**	**(7.6, 10.8)**	**12.5**	**(11.8, 13.2)**
Female	*	*	*	*	3.6	(2.1, 5.1)	17.6	(14.4, 20.8)	28.7	(25.0, 32.3)	36.6	(31.8, 41.3)	9.6	(7.4, 11.8)	13.3	(12.3, 14.3)
Male	*	*	*	*	19.3	(15.8, 22.8)	10.6	(8.1, 13.1)	12.7	(10.2, 15.1)	30.5	(26.1, 34.9)	7.4	(5.2, 9.5)	10.4	(9.5, 11.3)
Gasconade County	**0.3**	**(-0.3, 0.9)**	**1.9**	**(-0.7, 4.6)**	**6.1**	**(2.1, 10.1)**	**29.5**	**(21.4, 37.6)**	**30.5**	**(23.6, 37.4)**	**41.6**	**(32.8, 50.3)**	**12.1**	**(8.2, 16.0)**	**17.2**	**(15.1, 19.3)**
Female	*	*	*	*	12.3	(4.3, 20.4)	43.8	(29.9, 57.7)	45.4	(33.3, 57.5)	44.4	(31.7, 57.1)	19.7	(13.1, 26.3)	23.6	(20.2, 27.0)
Male	*	*	*	*	*	*	13.9	(6.0, 21.8)	16.6	(9.5, 23.7)	35.8	(24.3, 47.3)	*	*	10.1	(7.8, 12.3)
Greene County	*	*	**0.1**	**(0.0, 0.2)**	**4.0**	**(3.3, 4.6)**	**15.0**	**(13.7, 16.4)**	**24.8**	**(23.2, 26.5)**	**34.4**	**(32.3, 36.4)**	**14.2**	**(13.0, 15.4)**	**11.7**	**(11.3, 12.2)**
Female	*	*	*	*	2.7	(2.0, 3.5)	19.2	(17.0, 21.4)	33.9	(31.2, 36.6)	37.0	(34.1, 40.0)	17.8	(16.0, 19.5)	14.4	(13.8, 15.1)
Male	*	*	*	*	4.5	(3.5, 5.4)	6.6	(5.4, 7.9)	13.4	(11.7, 15.1)	24.2	(21.7, 26.8)	8.3	(6.9, 9.8)	7.1	(6.6, 7.5)
Grundy County	*	*	*	*	**13.8**	**(6.6, 21.0)**	**15.0**	**(7.7, 22.4)**	**12.7**	**(6.8, 18.6)**	**74.6**	**(59.5, 89.8)**	**7.6**	**(3.9, 11.4)**	**15.3**	**(12.9, 17.7)**
Female	*	*	*	*	26.9	(12.8, 41.0)	27.7	(13.7, 41.8)	25.4	(13.7, 37.2)	139.5	(110.3, 168.6)	*	*	25.5	(21.3, 29.8)
Male	*	*	*	*	*	*	*	*	*	*	*	*	16.1	(7.7, 24.5)	4.1	(2.3, 5.9)

* indicates the rate has been suppressed.

Table 17b. Muscle relaxant dispensation rates per 1,000 population by jurisdiction, age, & gender; jurisdictions H-O.

Muscle Relaxants	<18		18-24		25-34		35-44		45-54		55-64		65+		Total	
Jurisdictions H-O	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI
Harrison County	*	*	*	*	*	*	**6.3**	**(1.3, 11.4)**	**26.7**	**(17.8, 35.6)**	**45.8**	**(33.0, 58.6)**	**12.1**	**(7.1, 17.1)**	**12.5**	**(10.2, 14.8)**
Female	*	*	*	*	*	*	*	*	46.8	(30.0, 63.6)	51.0	(31.7, 70.3)	11.4	(5.0, 17.9)	16.6	(12.8, 20.3)
Male	*	*	*	*	*	*	*	*	*	*	40.8	(23.9, 57.7)	13.0	(5.1, 20.8)	8.4	(5.7, 11.1)
Howard County	*	*	*	*	**0.9**	**(-0.9, 2.7)**	**13.0**	**(6.2, 19.8)**	**17.6**	**(11.0, 24.3)**	**21.0**	**(13.1, 28.9)**	**15.5**	**(9.4, 21.6)**	**9.3**	**(7.4, 11.1)**
Female	*	*	*	*	*	*	26.4	(12.6, 40.3)	10.5	(3.2, 17.8)	18.5	(8.0, 29.0)	16.8	(8.3, 25.3)	9.8	(7.1, 12.5)
Male	*	*	*	*	*	*	*	*	24.6	(13.6, 35.7)	23.4	(11.6, 35.3)	14.0	(5.3, 22.7)	8.7	(6.1, 11.3)
Iron County	*	*	*	*	**2.2**	**(-0.5, 4.9)**	**3.9**	**(0.5, 7.4)**	**29.3**	**(21.0, 37.7)**	**71.3**	**(57.7, 84.8)**	**18.4**	**(12.3, 24.5)**	**18.4**	**(15.8, 21.0)**
Female	*	*	*	*	*	*	*	*	23.2	(12.7, 33.7)	79.3	(59.2, 99.3)	28.3	(18.2, 38.4)	20.6	(16.8, 24.5)
Male	*	*	*	*	*	*	*	*	30.9	(18.7, 43.0)	63.0	(44.8, 81.2)	*	*	15.4	(12.1, 18.8)
Jackson County (exc. Kansas City)	**0.0**	**(0.0, 0.0)**	**0.5**	**(0.3, 0.8)**	**6.1**	**(5.5, 6.8)**	**23.3**	**(22.0, 24.7)**	**27.3**	**(25.9, 28.7)**	**48.1**	**(46.0, 50.2)**	**21.5**	**(20.1, 22.8)**	**16.2**	**(15.8, 16.6)**
Female	*	*	0.4	(0.1, 0.7)	6.2	(5.3, 7.1)	17.2	(15.5, 18.8)	23.3	(21.5, 25.1)	42.6	(39.9, 45.3)	19.0	(17.4, 20.7)	14.2	(13.6, 14.7)
Male	*	*	*	*	1.8	(1.3, 2.3)	11.4	(10.1, 12.8)	9.6	(8.4, 10.8)	20.0	(18.0, 21.9)	12.6	(11.1, 14.2)	6.8	(6.4, 7.2)
Jasper County (inc. Joplin City)	*	*	**0.7**	**(0.3, 1.2)**	**6.9**	**(5.6, 8.2)**	**33.0**	**(30.0, 35.9)**	**45.0**	**(41.7, 48.3)**	**75.5**	**(70.8, 80.3)**	**26.2**	**(23.6, 28.7)**	**22.2**	**(21.3, 23.0)**
Female	*	*	*	*	10.2	(8.0, 12.4)	39.4	(34.8, 43.9)	67.3	(61.6, 73.0)	95.4	(88.0, 102.7)	28.2	(24.8, 31.7)	30.1	(28.7, 31.5)
Male	*	*	*	*	3.4	(2.2, 4.7)	25.5	(21.8, 29.2)	19.3	(16.2, 22.4)	48.4	(42.9, 53.9)	19.9	(16.5, 23.3)	13.8	(12.9, 14.8)
Jefferson County	**0.0**	**(0.0, 0.1)**	**1.3**	**(0.8, 1.8)**	**6.5**	**(5.6, 7.5)**	**20.3**	**(18.7, 21.9)**	**26.7**	**(25.0, 28.4)**	**51.8**	**(49.1, 54.6)**	**21.2**	**(19.4, 23.1)**	**16.8**	**(16.3, 17.4)**
Female	*	*	2.1	(1.2, 3.1)	8.1	(6.6, 9.6)	23.4	(21.0, 25.8)	30.9	(28.4, 33.5)	60.1	(55.9, 64.2)	25.4	(22.7, 28.1)	20.0	(19.2, 20.9)
Male	*	*	*	*	4.4	(3.3, 5.5)	10.9	(9.2, 12.6)	16.4	(14.5, 18.2)	36.2	(32.9, 39.4)	11.8	(9.8, 13.8)	10.4	(9.7, 11.0)
Johnson County	*	*	**0.9**	**(0.3, 1.4)**	**2.2**	**(1.1, 3.3)**	**12.7**	**(9.8, 15.7)**	**23.8**	**(20.1, 27.5)**	**44.6**	**(38.8, 50.4)**	**16.5**	**(13.1, 19.8)**	**11.0**	**(10.1, 11.9)**
Female	*	*	1.8	(0.6, 2.9)	*	*	5.9	(3.1, 8.7)	28.9	(23.1, 34.6)	50.7	(42.0, 59.5)	22.0	(16.7, 27.3)	12.4	(11.0, 13.8)
Male	*	*	*	*	3.1	(1.3, 4.9)	16.8	(12.1, 21.6)	14.8	(10.7, 18.9)	26.1	(19.8, 32.4)	5.3	(2.5, 8.1)	7.1	(6.1, 8.1)
Joplin City (in Jasper & Newton Counties)	*	*	**1.1**	**(0.3, 1.9)**	**8.8**	**(6.6, 11.0)**	**38.5**	**(33.5, 43.6)**	**59.6**	**(53.6, 65.5)**	**120.2**	**(110.9, 129.4)**	**37.1**	**(32.7, 41.5)**	**30.2**	**(28.7, 31.8)**
Female	*	*	*	*	13.3	(9.5, 17.0)	56.9	(48.2, 65.5)	85.0	(75.0, 95.0)	145.6	(131.8, 159.5)	39.0	(33.3, 44.8)	42.1	(39.6, 44.6)
Male	*	*	*	*	4.6	(2.4, 6.7)	20.2	(15.0, 25.3)	25.2	(19.6, 30.8)	72.3	(61.8, 82.8)	27.5	(21.5, 33.6)	17.4	(15.7, 19.1)
Kansas City	*	*	**0.6**	**(0.4, 0.9)**	**3.1**	**(2.7, 3.5)**	**11.0**	**(10.1, 11.8)**	**16.8**	**(15.8, 17.8)**	**28.7**	**(27.2, 30.2)**	**13.4**	**(12.3, 14.4)**	**9.0**	**(8.8, 9.3)**
Female	*	*	0.4	(0.1, 0.6)	2.2	(1.8, 2.7)	7.7	(6.7, 8.7)	12.1	(10.9, 13.3)	24.5	(22.6, 26.4)	11.2	(10.0, 12.4)	7.2	(6.9, 7.6)
Male	*	*	*	*	1.4	(1.0, 1.7)	5.0	(4.2, 5.8)	5.6	(4.8, 6.4)	6.8	(5.8, 7.9)	5.1	(4.1, 6.0)	2.9	(2.7, 3.2)
Lafayette County	*	*	**4.4**	**(1.9, 6.9)**	**7.0**	**(4.3, 9.7)**	**15.0**	**(11.2, 18.7)**	**21.7**	**(17.7, 25.8)**	**41.0**	**(34.8, 47.2)**	**13.7**	**(10.6, 16.8)**	**13.6**	**(12.4, 14.9)**
Female	*	*	7.3	(2.6, 12.1)	12.1	(7.1, 17.2)	13.8	(8.8, 18.8)	21.3	(15.7, 27.0)	46.8	(37.6, 56.1)	9.5	(6.0, 12.9)	14.4	(12.6, 16.2)
Male	*	*	*	*	*	*	5.8	(2.5, 9.2)	18.1	(13.0, 23.3)	21.5	(15.1, 27.9)	13.4	(8.8, 18.0)	8.5	(7.1, 9.9)
Lincoln County	*	*	**0.2**	**(-0.2, 0.7)**	**4.2**	**(2.7, 5.7)**	**5.9**	**(4.1, 7.7)**	**23.0**	**(19.7, 26.3)**	**44.1**	**(38.6, 49.6)**	**18.9**	**(15.3, 22.5)**	**11.8**	**(10.8, 12.7)**
Female	*	*	*	*	4.5	(2.3, 6.7)	7.2	(4.4, 10.0)	31.6	(26.2, 37.1)	60.6	(51.6, 69.6)	25.0	(19.4, 30.6)	16.0	(14.4, 17.5)
Male	*	*	*	*	3.5	(1.5, 5.5)	4.3	(2.1, 6.5)	14.5	(10.9, 18.2)	25.4	(19.5, 31.3)	8.3	(4.9, 11.8)	6.9	(5.9, 8.0)
Livingston County	*	*	**0.9**	**(-0.8, 2.5)**	**11.5**	**(6.7, 16.2)**	**32.1**	**(24.1, 40.1)**	**47.2**	**(38.0, 56.4)**	**46.0**	**(36.5, 55.6)**	**4.3**	**(1.9, 6.8)**	**18.9**	**(16.7, 21.1)**
Female	*	*	*	*	*	*	39.7	(28.1, 51.3)	69.0	(54.2, 83.8)	29.3	(18.8, 39.8)	*	*	19.7	(16.7, 22.7)
Male	*	*	*	*	21.9	(11.5, 32.4)	21.3	(11.2, 31.5)	19.2	(10.3, 28.1)	64.9	(48.3, 81.5)	9.5	(3.9, 15.1)	17.9	(14.8, 21.1)
Madison County	*	*	*	*	**0.7**	**(-0.7, 2.2)**	**28.7**	**(19.8, 37.5)**	**31.6**	**(23.5, 39.7)**	**78.0**	**(63.9, 92.1)**	**34.1**	**(26.4, 41.9)**	**23.8**	**(21.1, 26.5)**
Female	*	*	*	*	*	*	53.4	(36.4, 70.3)	58.2	(42.7, 73.7)	101.4	(78.9, 123.9)	37.4	(26.5, 48.4)	34.7	(30.1, 39.4)
Male	*	*	*	*	*	*	*	*	*	*	48.4	(32.6, 64.2)	30.1	(19.1, 41.0)	11.8	(9.1, 14.6)
McDonald County	*	*	*	*	*	*	**22.8**	**(17.5, 28.2)**	**23.6**	**(18.4, 28.8)**	**36.2**	**(28.9, 43.5)**	**13.5**	**(9.3, 17.7)**	**12.3**	**(10.8, 13.7)**
Female	*	*	*	*	*	*	31.4	(22.4, 40.4)	34.8	(25.8, 43.7)	45.6	(34.1, 57.2)	6.5	(2.5, 10.5)	15.3	(13.1, 17.6)
Male	*	*	*	*	*	*	13.1	(7.4, 18.9)	7.0	(3.0, 10.9)	26.7	(17.9, 35.6)	21.5	(13.7, 29.3)	8.2	(6.6, 9.9)
Miller County	*	*	*	*	**5.7**	**(2.9, 8.5)**	**2.0**	**(0.4, 3.5)**	**17.6**	**(13.4, 21.9)**	**26.5**	**(20.9, 32.2)**	**5.1**	**(2.9, 7.4)**	**7.8**	**(6.7, 8.9)**
Female	*	*	*	*	11.5	(5.8, 17.1)	*	*	11.2	(6.4, 16.0)	45.2	(34.8, 55.6)	8.0	(4.2, 11.8)	10.5	(8.7, 12.3)
Male	*	*	*	*	*	*	*	*	24.0	(17.0, 31.0)	7.5	(3.3, 11.8)	*	*	5.0	(3.8, 6.3)
Montgomery County	*	*	*	*	*	*	**17.4**	**(10.5, 24.4)**	**11.8**	**(7.0, 16.6)**	**22.2**	**(14.9, 29.4)**	**19.2**	**(13.6, 24.9)**	**10.4**	**(8.6, 12.2)**
Female	*	*	*	*	*	*	16.7	(6.8, 26.6)	9.1	(3.2, 15.1)	35.4	(22.3, 48.6)	34.3	(24.1, 44.4)	15.0	(12.0, 18.1)
Male	*	*	*	*	*	*	18.1	(8.3, 28.0)	14.5	(6.9, 22.1)	9.6	(2.9, 16.3)	*	*	5.7	(3.8, 7.6)
New Madrid County	*	*	*	*	**6.9**	**(3.4, 10.4)**	**16.2**	**(11.0, 21.3)**	**22.5**	**(17.0, 28.0)**	**49.2**	**(40.6, 57.9)**	**19.4**	**(14.4, 24.3)**	**15.8**	**(14.0, 17.6)**
Female	*	*	*	*	9.6	(3.9, 15.3)	26.3	(17.0, 35.5)	24.9	(16.9, 32.9)	42.0	(30.9, 53.2)	18.1	(11.8, 24.4)	16.9	(14.3, 19.4)
Male	*	*	*	*	*	*	6.0	(1.6, 10.4)	19.9	(12.4, 27.4)	47.1	(34.9, 59.3)	20.3	(12.5, 28.2)	13.3	(10.9, 15.7)
Newton County (inc. Joplin City)	*	*	*	*	**3.2**	**(1.8, 4.6)**	**18.5**	**(15.4, 21.7)**	**26.9**	**(23.4, 30.4)**	**60.1**	**(54.4, 65.7)**	**15.7**	**(13.1, 18.3)**	**15.2**	**(14.2, 16.2)**
Female	*	*	*	*	6.3	(3.6, 9.1)	31.2	(25.5, 37.0)	31.4	(26.1, 36.7)	73.9	(65.1, 82.7)	18.9	(15.1, 22.7)	21.7	(20.0, 23.4)
Male	*	*	*	*	*	*	3.9	(1.9, 6.0)	16.8	(12.9, 20.7)	37.4	(31.1, 43.8)	8.2	(5.4, 11.1)	8.7	(7.6, 9.8)
Osage County	*	*	*	*	*	*	**7.8**	**(3.7, 11.8)**	**0.9**	**(-0.4, 2.3)**	**32.9**	**(24.1, 41.6)**	*	*	**5.0**	**(3.9, 6.2)**
Female	*	*	*	*	*	*	15.8	(7.5, 24.1)	*	*	65.2	(47.3, 83.1)	*	*	10.1	(7.7, 12.5)
Male	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0.4	(-0.1, 0.9)

* indicates the rate has been suppressed.

Table 17c. Muscle relaxant dispensation rates per 1,000 population by jurisdiction, age, & gender; jurisdictions P-Z.

Muscle Relaxants	<18		18-24		25-34		35-44		45-54		55-64		65+		Total	
Jurisdictions P-Z	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI
Pemiscot County	*	*	0.6	(-0.6, 1.8)	14.4	(9.2, 19.5)	42.9	(34.1, 51.7)	51.7	(42.9, 60.6)	127.3	(112.3, 142.3)	84.3	(73.3, 95.3)	41.5	(38.5, 44.4)
Female	*	*	*	*	19.5	(11.3, 27.6)	71.1	(55.4, 86.8)	83.0	(67.5, 98.5)	155.4	(132.5, 178.3)	88.1	(73.4, 102.7)	55.0	(50.3, 59.7)
Male	*	*	*	*	7.3	(1.9, 12.7)	12.6	(5.7, 19.4)	18.0	(10.5, 25.5)	95.5	(76.7, 114.3)	75.3	(59.2, 91.4)	25.9	(22.5, 29.3)
Perry County	*	*	*	*	0.4	(-0.4, 1.3)	7.6	(4.1, 11.1)	9.7	(6.1, 13.4)	10.6	(6.5, 14.8)	8.4	(5.1, 11.8)	5.1	(4.0, 6.1)
Female	*	*	*	*	*	*	6.0	(1.6, 10.5)	12.3	(6.4, 18.1)	19.7	(11.7, 27.8)	8.9	(4.4, 13.4)	6.6	(5.0, 8.3)
Male	*	*	*	*	*	*	9.1	(3.7, 14.5)	7.2	(2.7, 11.7)	*	*	7.8	(3.0, 12.7)	3.5	(2.3, 4.7)
Pettis County	*	*	0.8	(-0.1, 1.6)	3.7	(2.1, 5.4)	8.1	(5.6, 10.6)	25.1	(21.2, 29.1)	43.8	(37.9, 49.7)	14.0	(11.1, 17.0)	12.2	(11.1, 13.3)
Female	*	*	*	*	6.1	(3.1, 9.0)	11.0	(6.8, 15.1)	28.6	(22.6, 34.6)	47.0	(38.3, 55.6)	16.3	(12.1, 20.4)	14.1	(12.5, 15.7)
Male	*	*	*	*	*	*	4.8	(2.1, 7.6)	11.0	(7.3, 14.7)	28.8	(22.0, 35.6)	9.5	(5.8, 13.2)	6.9	(5.8, 8.1)
Polk County	*	*	*	*	0.5	(-0.3, 1.2)	6.2	(3.6, 8.8)	4.0	(2.1, 5.8)	17.4	(13.0, 21.7)	6.0	(3.8, 8.1)	4.3	(3.5, 5.0)
Female	*	*	*	*	*	*	12.1	(7.1, 17.2)	5.7	(2.6, 8.9)	29.1	(21.3, 36.9)	7.9	(4.6, 11.2)	7.1	(5.8, 8.4)
Male	*	*	*	*	*	*	*	*	*	*	4.7	(1.4, 7.9)	3.5	(1.1, 6.0)	1.3	(0.8, 1.9)
Reynolds County	*	*	*	*	*	*	17.5	(8.4, 26.7)	3.1	(-0.3, 6.5)	25.0	(14.9, 35.1)	1.2	(-0.7, 3.0)	6.4	(4.5, 8.3)
Female	*	*	*	*	*	*	*	*	*	*	50.8	(30.3, 71.2)	*	*	9.6	(6.3, 13.0)
Male	*	*	*	*	*	*	22.9	(8.3, 37.5)	*	*	*	*	*	*	3.2	(1.3, 5.2)
St. Charles County	0.0	(0.0, 0.1)	0.5	(0.3, 0.8)	4.3	(3.7, 4.9)	15.7	(14.6, 16.8)	17.4	(16.3, 18.5)	31.8	(30.1, 33.6)	17.4	(16.1, 18.7)	11.1	(10.8, 11.5)
Female	*	*	0.5	(0.1, 0.8)	4.0	(3.2, 4.8)	16.5	(14.9, 18.0)	21.7	(20.0, 23.4)	36.5	(34.0, 39.1)	19.7	(17.9, 21.5)	13.0	(12.5, 13.5)
Male	*	*	0.5	(0.2, 0.9)	3.1	(2.4, 3.8)	9.7	(8.5, 10.9)	9.2	(8.0, 10.3)	19.7	(17.7, 21.7)	10.0	(8.5, 11.4)	6.5	(6.1, 6.8)
St. Francois County	*	*	1.5	(0.5, 2.4)	10.6	(8.5, 12.7)	31.3	(27.6, 35.1)	58.6	(53.8, 63.4)	82.7	(76.2, 89.2)	28.7	(25.2, 32.1)	28.3	(27.0, 29.6)
Female	*	*	3.1	(0.9, 5.2)	19.9	(15.4, 24.4)	34.8	(28.8, 40.8)	81.3	(72.9, 89.6)	103.4	(93.0, 113.9)	34.4	(29.4, 39.3)	37.1	(35.0, 39.3)
Male	*	*	*	*	2.5	(1.2, 3.9)	26.3	(21.7, 30.8)	32.7	(28.0, 37.5)	49.3	(42.3, 56.3)	18.7	(14.5, 23.0)	17.0	(15.6, 18.3)
City of St. Joseph	*	*	0.2	(-0.1, 0.6)	2.7	(1.7, 3.7)	13.5	(11.2, 15.9)	13.6	(11.4, 15.8)	20.1	(17.0, 23.1)	6.0	(4.6, 7.5)	7.0	(6.4, 7.6)
Female	*	*	*	*	5.4	(3.4, 7.4)	12.8	(9.4, 16.2)	9.0	(6.4, 11.6)	23.6	(19.1, 28.2)	6.2	(4.3, 8.2)	7.1	(6.2, 7.9)
Male	*	*	*	*	*	*	6.9	(4.6, 9.2)	8.1	(5.7, 10.4)	8.5	(5.7, 11.3)	4.4	(2.4, 6.4)	3.5	(2.9, 4.1)
St. Louis County	0.0	(0.0, 0.1)	0.7	(0.5, 0.9)	3.3	(3.0, 3.6)	7.5	(7.1, 8.0)	11.4	(10.9, 11.9)	21.5	(20.7, 22.3)	9.6	(9.1, 10.1)	7.4	(7.2, 7.6)
Female	*	*	0.7	(0.4, 0.9)	4.0	(3.5, 4.5)	9.4	(8.7, 10.1)	12.7	(11.9, 13.4)	25.0	(23.8, 26.1)	8.8	(8.2, 9.4)	8.4	(8.2, 8.7)
Male	*	*	0.4	(0.2, 0.6)	1.8	(1.4, 2.1)	4.3	(3.8, 4.9)	7.4	(6.8, 8.0)	13.1	(12.1, 14.0)	8.4	(7.7, 9.1)	4.7	(4.5, 4.9)
St. Louis City	*	*	0.1	(0.0, 0.2)	1.9	(1.5, 2.2)	4.9	(4.2, 5.6)	11.7	(10.7, 12.7)	11.8	(10.6, 12.9)	8.0	(7.1, 9.0)	4.8	(4.5, 5.0)
Female	*	*	*	*	2.0	(1.5, 2.5)	3.0	(2.2, 3.8)	11.0	(9.6, 12.4)	13.1	(11.4, 14.8)	8.7	(7.4, 9.9)	4.8	(4.5, 5.1)
Male	*	*	*	*	1.5	(1.0, 1.9)	4.8	(3.9, 5.8)	9.4	(8.1, 10.6)	6.8	(5.6, 8.1)	5.0	(3.8, 6.2)	3.5	(3.2, 3.7)
Ste. Genevieve County	*	*	*	*	6.3	(2.7, 9.9)	21.8	(15.5, 28.0)	19.1	(14.2, 24.0)	35.9	(28.5, 43.3)	8.9	(5.5, 12.4)	12.9	(11.2, 14.5)
Female	*	*	*	*	*	*	42.7	(30.4, 55.1)	24.5	(16.6, 32.4)	52.0	(39.1, 65.0)	*	*	17.0	(14.3, 19.7)
Male	*	*	*	*	*	*	*	*	*	*	12.2	(6.2, 18.1)	9.9	(4.5, 15.3)	4.1	(2.8, 5.5)
Saline County	*	*	0.4	(-0.4, 1.1)	4.4	(1.9, 6.9)	14.6	(10.0, 19.3)	4.9	(2.5, 7.3)	22.3	(16.9, 27.8)	10.0	(6.8, 13.2)	7.2	(6.1, 8.3)
Female	*	*	*	*	*	*	10.6	(5.0, 16.1)	7.4	(3.2, 11.6)	19.5	(12.3, 26.8)	12.9	(8.2, 17.7)	7.2	(5.7, 8.7)
Male	*	*	*	*	4.4	(0.9, 7.9)	11.0	(5.2, 16.7)	*	*	17.6	(10.8, 24.4)	3.9	(0.8, 7.0)	4.6	(3.3, 5.8)
Scott County	*	*	*	*	8.1	(5.5, 10.7)	20.1	(16.1, 24.0)	31.2	(26.6, 35.7)	44.1	(38.3, 50.0)	21.1	(17.4, 24.8)	16.7	(15.5, 18.0)
Female	*	*	*	*	9.5	(5.6, 13.3)	19.3	(13.8, 24.8)	36.5	(29.6, 43.4)	52.7	(43.9, 61.5)	17.8	(13.4, 22.3)	18.5	(16.6, 20.4)
Male	*	*	*	*	2.7	(0.5, 4.8)	17.5	(12.2, 22.8)	14.7	(10.2, 19.2)	23.5	(17.3, 29.7)	25.7	(19.3, 32.0)	11.0	(9.5, 12.5)
Stoddard County	*	*	*	*	4.4	(2.2, 6.6)	20.7	(16.1, 25.4)	55.5	(48.5, 62.4)	58.7	(51.0, 66.3)	5.2	(3.3, 7.2)	19.6	(18.0, 21.2)
Female	*	*	*	*	5.2	(1.8, 8.5)	16.5	(10.6, 22.5)	80.4	(68.6, 92.2)	56.6	(46.2, 67.0)	3.6	(1.5, 5.7)	22.2	(19.9, 24.6)
Male	*	*	*	*	3.6	(0.7, 6.4)	23.7	(16.7, 30.7)	26.0	(19.2, 32.8)	52.7	(42.2, 63.2)	7.5	(3.9, 11.0)	15.1	(13.1, 17.1)
Stone County	0.4	(-0.1, 0.8)	2.3	(0.1, 4.5)	22.2	(16.5, 27.9)	26.1	(20.7, 31.6)	52.4	(45.9, 58.8)	48.6	(42.9, 54.4)	21.6	(18.4, 24.9)	26.4	(24.6, 28.2)
Female	*	*	*	*	32.9	(23.0, 42.8)	40.2	(30.7, 49.6)	56.9	(47.6, 66.2)	51.4	(43.2, 59.6)	27.5	(22.3, 32.6)	31.9	(29.2, 34.7)
Male	*	*	*	*	11.6	(5.8, 17.5)	10.0	(5.1, 14.8)	47.0	(38.2, 55.8)	45.6	(37.5, 53.7)	14.5	(10.7, 18.3)	20.2	(18.0, 22.5)
Taney County	*	*	0.2	(-0.2, 0.6)	9.3	(6.8, 11.7)	40.2	(35.2, 45.2)	59.6	(53.9, 65.2)	79.0	(72.3, 85.7)	19.9	(17.0, 22.8)	28.0	(26.6, 29.4)
Female	*	*	*	*	10.8	(7.1, 14.4)	44.8	(37.4, 52.2)	77.0	(68.0, 86.1)	88.3	(78.7, 97.9)	19.9	(16.0, 23.9)	32.8	(30.7, 35.0)
Male	*	*	*	*	5.5	(2.9, 8.2)	33.9	(27.3, 40.4)	27.6	(22.1, 33.1)	39.1	(32.2, 46.0)	13.5	(10.0, 17.0)	15.8	(14.2, 17.3)
Vernon County	*	*	*	*	5.6	(2.6, 8.6)	8.7	(5.0, 12.4)	12.2	(8.3, 16.1)	24.3	(18.6, 30.1)	2.3	(0.7, 3.9)	6.9	(5.8, 8.1)
Female	*	*	*	*	*	*	15.3	(8.4, 22.1)	13.0	(7.3, 18.7)	47.5	(36.2, 58.8)	3.1	(0.6, 5.5)	10.5	(8.5, 12.4)
Male	*	*	*	*	10.5	(4.6, 16.4)	*	*	10.6	(5.4, 15.9)	*	*	*	*	3.1	(2.0, 4.2)
Wayne County	*	*	*	*	3.2	(0.1, 6.4)	41.0	(31.0, 51.1)	36.1	(27.9, 44.3)	41.9	(32.9, 50.9)	12.4	(8.4, 16.5)	19.3	(17.0, 21.6)
Female	*	*	*	*	*	*	27.4	(15.9, 38.8)	44.9	(31.9, 57.9)	26.3	(16.4, 36.3)	8.1	(3.5, 12.7)	16.4	(13.4, 19.5)
Male	*	*	*	*	*	*	55.6	(38.8, 72.4)	16.6	(8.7, 24.5)	53.3	(38.7, 67.9)	9.9	(4.7, 15.1)	18.3	(15.1, 21.5)
Total	0.0	(0.0, 0.0)	0.6	(0.5, 0.6)	4.6	(4.4, 4.7)	14.9	(14.6, 15.2)	21.2	(20.9, 21.5)	34.9	(34.5, 35.4)	14.9	(14.6, 15.2)	11.9	(11.8, 12.0)
Female	0.1	(0.0, 0.1)	0.8	(0.7, 0.9)	5.0	(4.7, 5.2)	16.3	(15.8, 16.7)	24.2	(23.7, 24.7)	38.5	(37.8, 39.2)	15.5	(15.1, 15.9)	13.3	(13.1, 13.4)
Male	0.0	(0.0, 0.0)	0.4	(0.3, 0.5)	3.0	(2.8, 3.2)	8.9	(8.6, 9.2)	11.7	(11.4, 12.1)	21.1	(20.6, 21.6)	10.6	(10.2, 11.0)	6.9	(6.8, 7.0)

* indicates the rate has been suppressed.

Appendix B: Calculations

Dispensation rates were calculated per 1,000 population using the formula below; dispensation rates represent projected annual rates based on one quarter of data.

$$\text{Dispensation Rate} = \left(\frac{\#\ dispensations}{\frac{population}{4}} \right) * 1000$$

Morphine milligram equivalent (MME) was calculated using the CDC calculation (formula below).

$$\text{MME} = \ strength * \left(\frac{units}{days\ supply} \right) * MME\ conversion\ factor$$

Appendix C: Suggested Citation

Jackson M. & Varner E. 2018 Annual Report, Prescription Drug Monitoring Program. St. Louis County, MO: Department of Public Health. April 2019.

Appendix D: References & Sources

Population counts obtained from U.S. Census Bureau, 2010 Census.

Dispensation data pulled from the St. Louis County PDMP by DPH staff.

References

1. Kreiner P, Nikitin R, Shields TP. (2014). Bureau of Justice Assistance prescription drug monitoring program performance measures report. The Prescription Drug Monitoring Program Center of Excellence Heller School for Social Policy and Management, Brandeis University. Retrieved from http://www.pdmpassist.org/pdf/COE_documents/Add_to_TTAC/BJA%20PDMP%20Performance%20Measures%20Report%20Jan%202009%20to%20June%202012%20FInal_with%20feedback.pdf
2. Henry J. Kaiser Family Foundation. (2019). Health insurance coverage of the total population. Retrieved from https://www.kff.org/other/state-indicator/total-population/?currentTimeframe=0&selectedRows=%7B%22states%22:%7B%22missouri%22:%7B%7D%7D%7D&sortModel=%7B%22colId%22:%22Location%22,%22sort%22:%22asc%22%7D
3. Centers for Disease Control and Prevention, National Center for Injury Prevention and Control, Division of Unintentional Injury Prevention. (2018). U.S. opioid prescribing rate maps. Retrieved https://www.cdc.gov/drugoverdose/maps/rxrate-maps.html
4. Paulozi L, Strickler G, Kreiner P, Koris C. Controlled Substance Prescribing Patterns - Prescription Behavior Surveillance System, Eight States, 2013. MMWR Surveill Summ 2015;64(No. SS-09):1-14. Retrieved from https://www.cdc.gov/mmwr/preview/mmwrhtml/ss6409a1.htm#Tab12
5. Centers for Disease Control and Prevention, National Center for Injury Prevention and Control, Division of Unintentional Injury Prevention. (2017). Calculating total daily dosage of opioids for safer dosage. Retrieved from https://www.cdc.gov/drugoverdose/pdf/calculating_total_daily_dose-a.pdf
6. Missouri Opioid State Targeted Response. (2018). Retrieved from https://missouriopioidstr.org/
7. Winograd, RP, et al. (2019). The case for a medication first approach to the treatment of opioid use disorder, The American Journal of Drug and Alcohol Abuse, 45:4, 333-340, DOI: 10.1080/00952990.2019.1605372