2015

ANNUAL KASPER THRESHOLD ANALYSIS REPORT









Kentucky Injury Prevention and Research Center

2015 KENTUCKY ALL SCHEDULE PRESCRIPTION ELECTRONIC REPORTING (KASPER) ANNUAL THRESHOLD ANALYSIS REPORT

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Introduction

The Kentucky All Schedule Prescription Electronic Reporting (KASPER) System Annual Threshold Analysis Report provides controlled substance dispensing rates by age group, gender, and geographic location, based on KASPER controlled substances dispensing data for calendar year 2015. This report includes state-level analysis by age group and gender for all dispensed Schedule II through V controlled substances, opioid and Schedule II stimulant classes, and five specific drugs including alprazolam, buprenorphine/naloxone combination, hydrocodone, methadone, and oxycodone. The report also includes regional analysis by age group, gender, and geographic location based on the 15 Area Development Districts of Kentucky for four specific drugs: alprazolam, hydrocodone, oxycodone, and buprenorphine/naloxone combination.

This report was produced under the Prescription Drug Overdose Prevention for States cooperative agreement 1U17CE002732-01 between the Kentucky Injury Prevention and Research Center as bona fide agent for the Kentucky Department of Public Health and the Centers for Disease Control and Prevention, in collaboration with KASPER and with the support of the Kentucky Cabinet for Health and Family Services.

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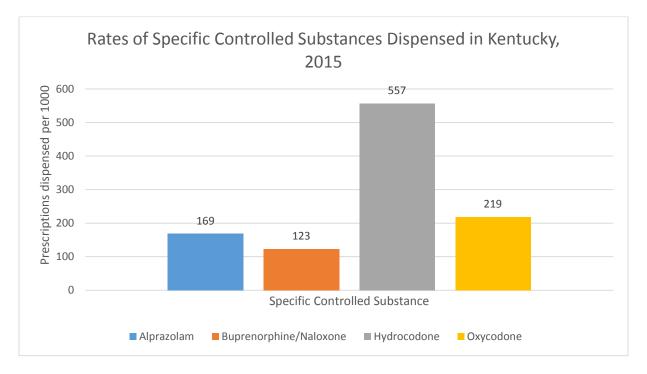
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Executive Summary

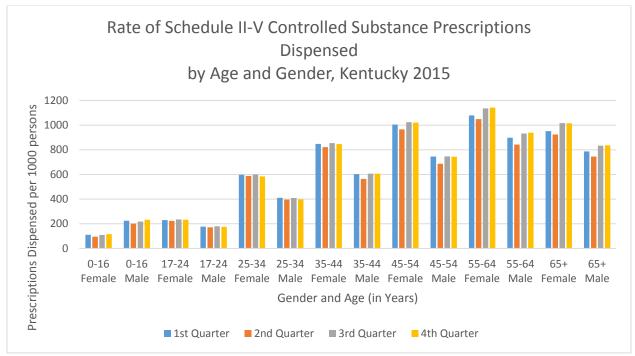
- 1. Females over 17 years of age were dispensed Schedule II-V controlled substances at higher rates than males over 17 years of age. Males aged 0 to 16 years were dispensed controlled substances at higher rates than females the same age.
- 2. The Schedule II-V controlled substance dispensing rates were fairly consistent across the four quarters of 2015 for all age groups. Females aged 55 to 64 years had the highest Schedule II-V controlled substance dispensing rate.
- 3. In 2015, the alprazolam dispensing rate in Kentucky was 169 prescriptions/1000 Kentucky residents. Alprazolam dispensing rates declined for both males and females aged 25 to 54 years over the four quarters of 2015. For females and males over 65 years of age, the alprazolam prescriptions dispensing rate increased in both the third and fourth quarters of 2015.
- In 2015, the buprenorphine/naloxone dispensing rate in Kentucky was 123 prescriptions/1000 Kentucky residents. Over the four quarters of 2015, buprenorphine/naloxone dispensing rates increased across most age/gender groups. The highest buprenorphine/naloxone dispensing rates were for males aged 25 to 34 years.
- In 2015, the hydrocodone dispensing rate in Kentucky was 557 prescriptions/1000 Kentucky residents. Hydrocodone dispensing rates for males and females aged 25 and 54 years declined during 2015. The highest hydrocodone dispensing rates were for males and females aged 55 to 64 years.
- 6. In 2015, the oxycodone dispensing rate in Kentucky was 219 prescriptions/1000 Kentucky residents. Oxycodone dispensing rates increased across all age and gender groups in 2015. The highest dispensing rates were for males aged 55 to 64 years.
- 7. There were regional differences in rates of dispensing of alprazolam, buprenorphine/naloxone, hydrocodone, and oxycodone in 2015. Rates were calculated for each of Kentucky's 15 Area Development Districts (ADD).
 - a. The highest alprazolam dispensing rates were in the Cumberland Valley ADD (301 prescriptions dispensed/1000 ADD residents), Kentucky River ADD (288 prescriptions/1000 ADD residents), and Lake Cumberland ADD (268 prescriptions dispensed/1000 ADD residents). The lowest alprazolam dispensing rate was in the Northern Kentucky ADD at 98 prescriptions dispensed/1000 ADD residents.
 - b. The highest buprenorphine/naloxone dispensing rates were in the Kentucky River ADD (681 prescriptions dispensed/1000 ADD residents), Big Sandy ADD (457 prescriptions dispensed/1000 ADD residents), and Cumberland Valley ADD

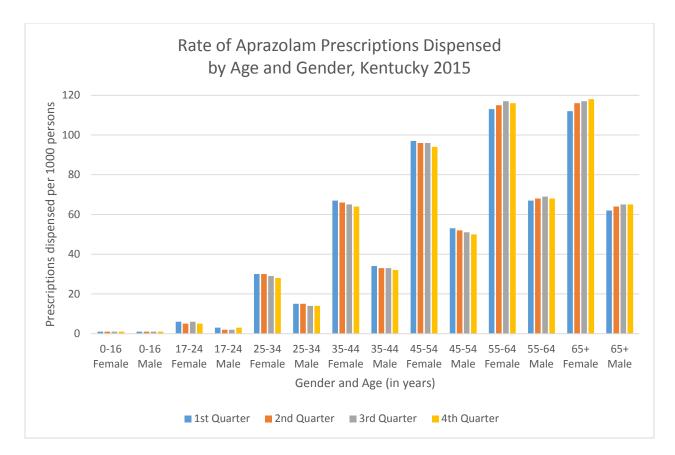
(392 prescriptions dispensed/1000 ADD residents). The lowest buprenorphine/naloxone dispensing rate was in the KIPDA ADD at 41 prescriptions/1000 ADD residents.

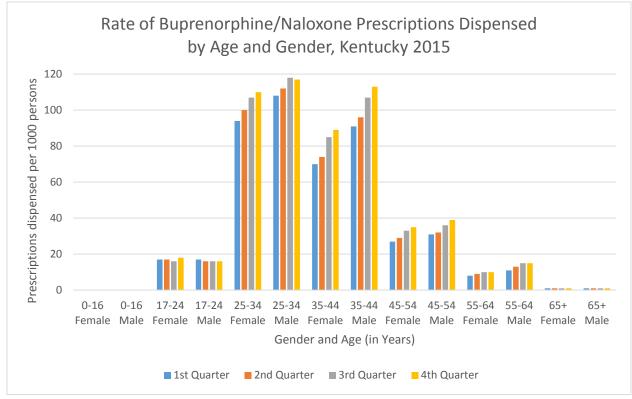
- c. The highest hydrocodone dispensing rates were in the Kentucky River ADD (1,157 prescriptions dispensed/1000 ADD residents), Big Sandy ADD (1,029 prescriptions dispensed/1000 ADD residents), and Cumberland Valley ADD (990 prescriptions dispensed/1000 ADD residents). The lowest hydrocodone dispensing rate was in the Northern Kentucky ADD at 285 prescriptions/1000 ADD residents.
- d. The highest oxycodone dispensing rates were in Kentucky River ADD (362 prescriptions dispensed/1000 ADD residents), Northern Kentucky ADD (320 prescriptions/1000 ADD residents), and Gateway ADD (287 prescriptions dispensed/1000 ADD residents). The lowest oxycodone dispensing rate was in the Barren River ADD at 156 prescriptions dispensed/1000 ADD residents.

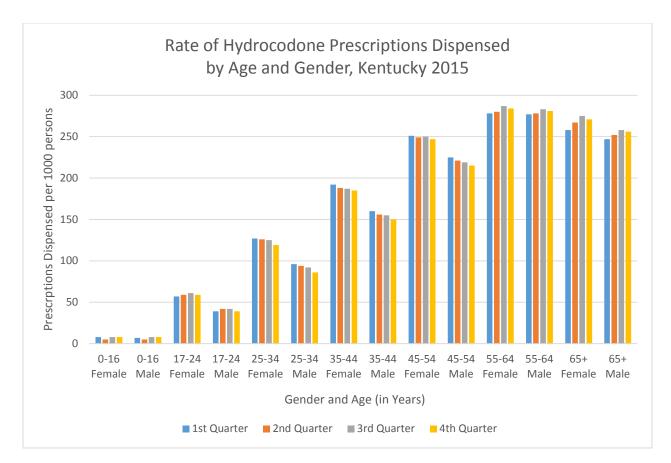


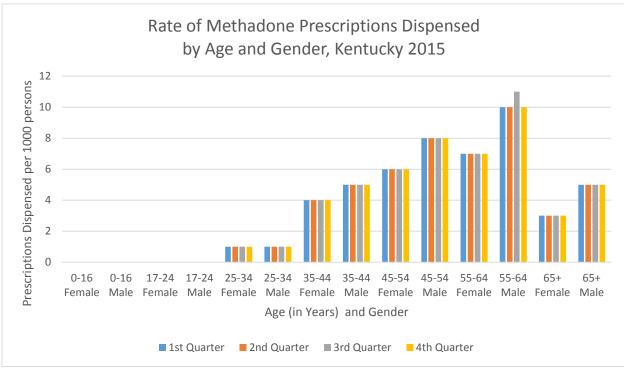


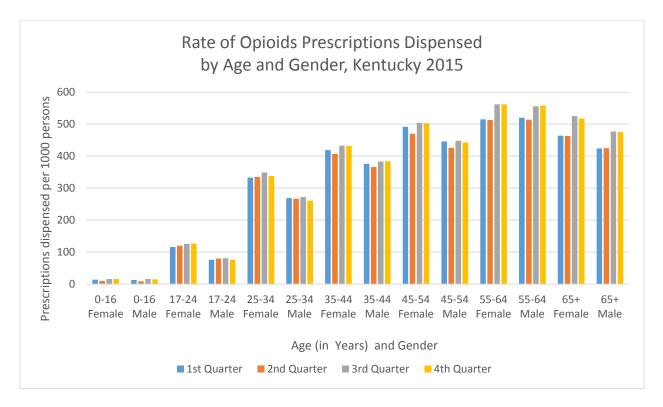


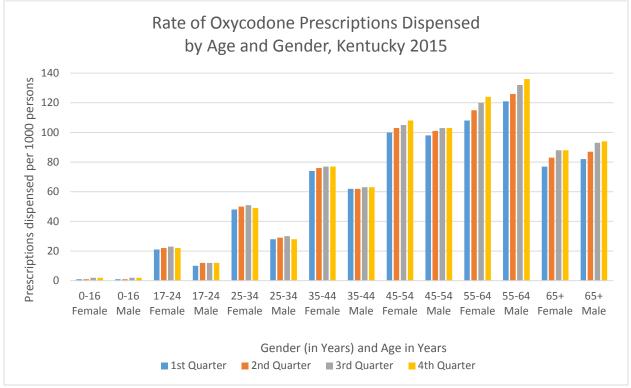


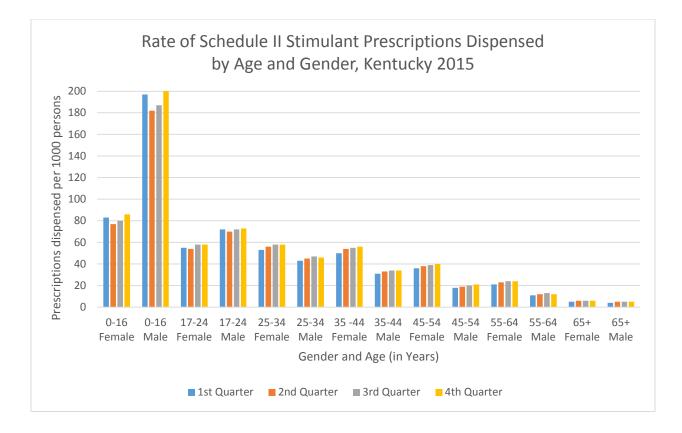




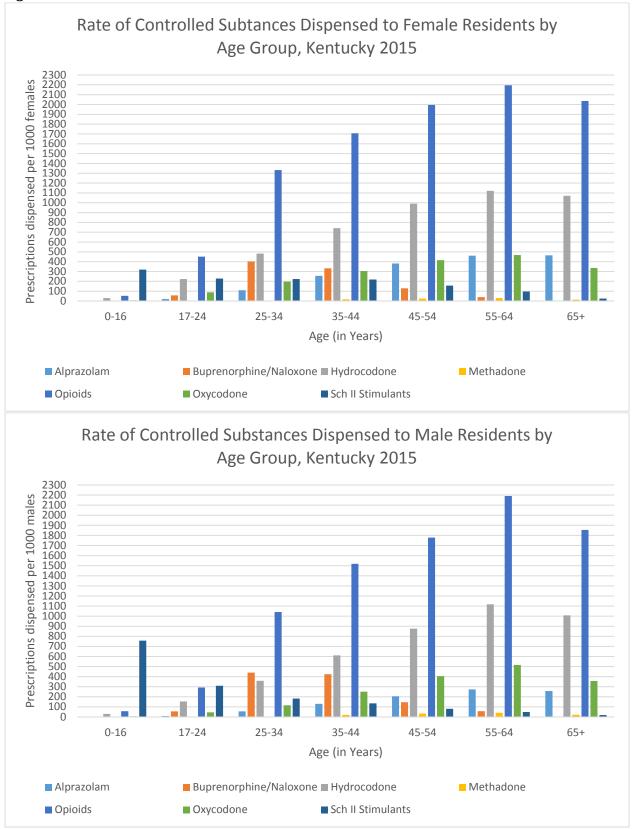






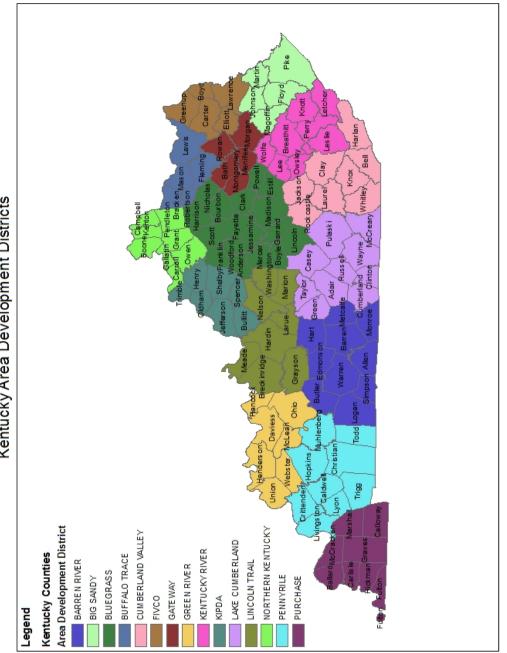


Age and Gender



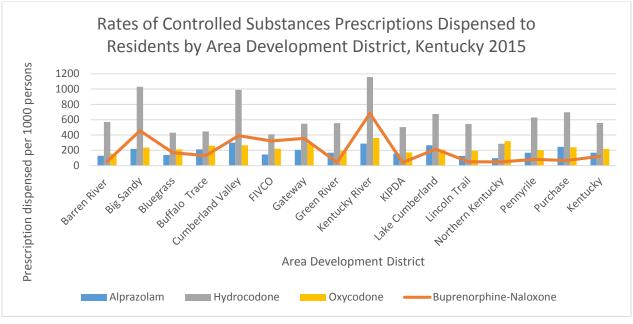
REGIONAL LEVEL DATA

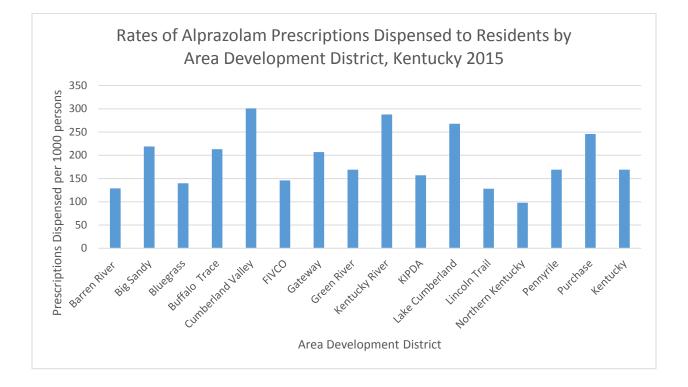
Area Development District Map



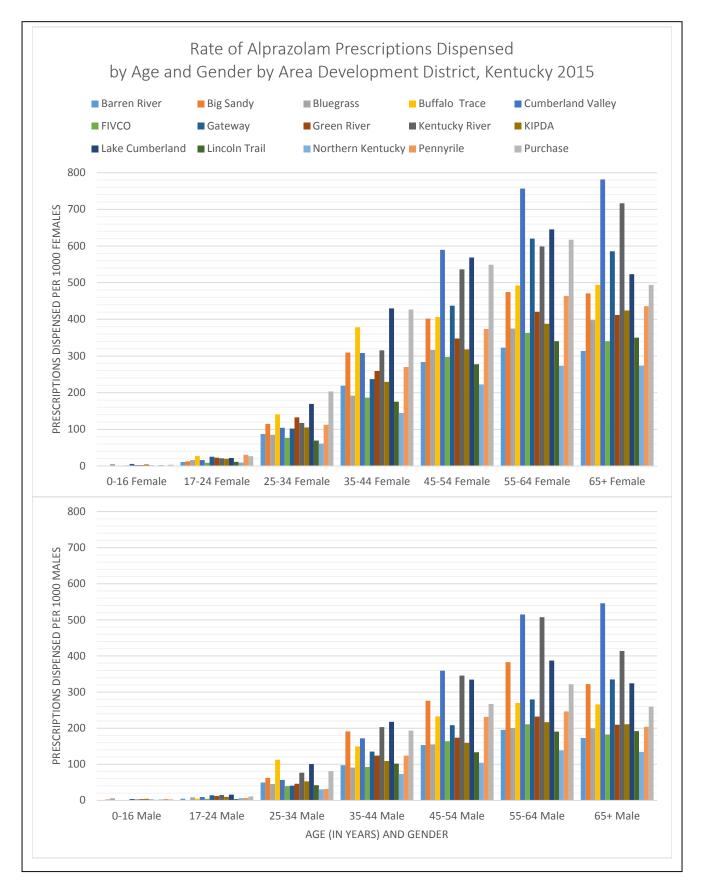
Kentucky Area Development Districts

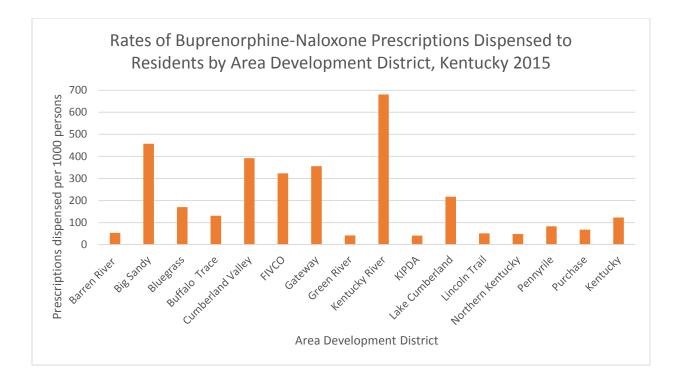
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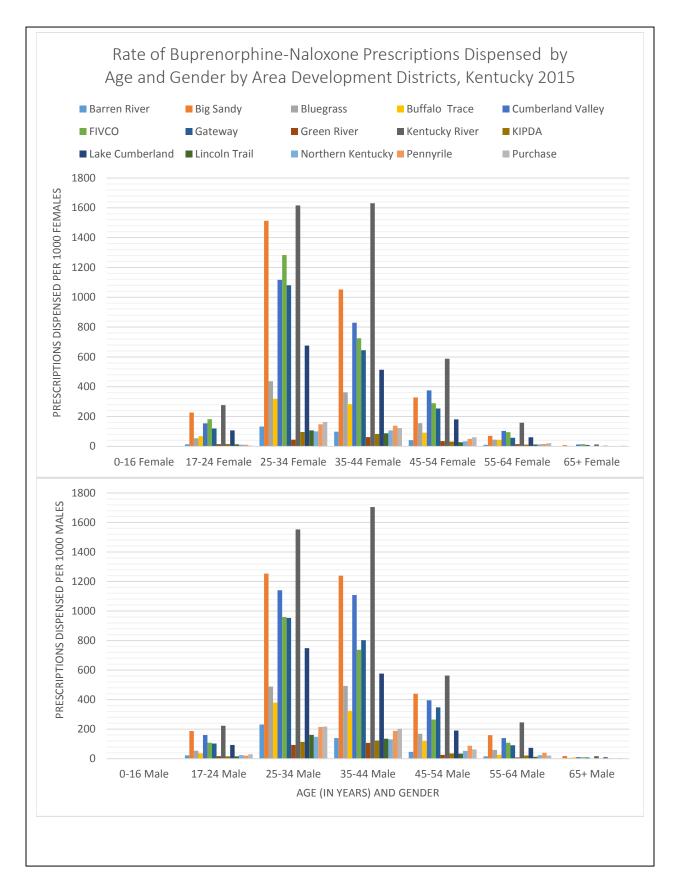


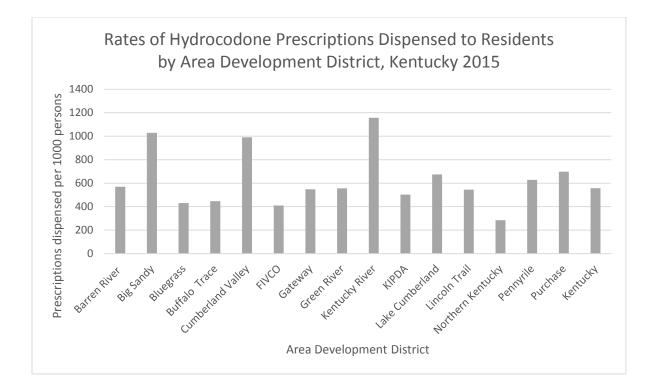


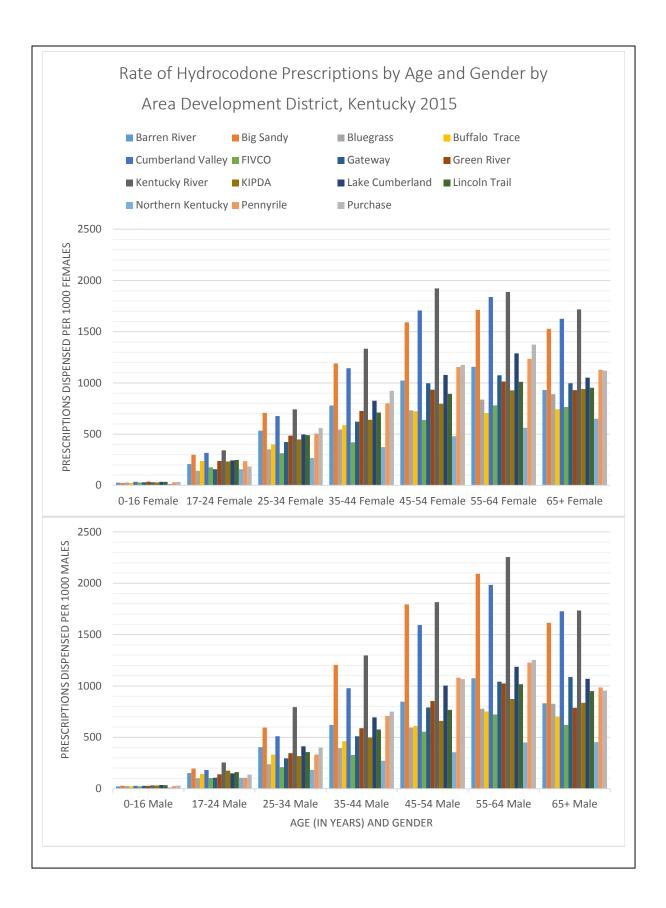
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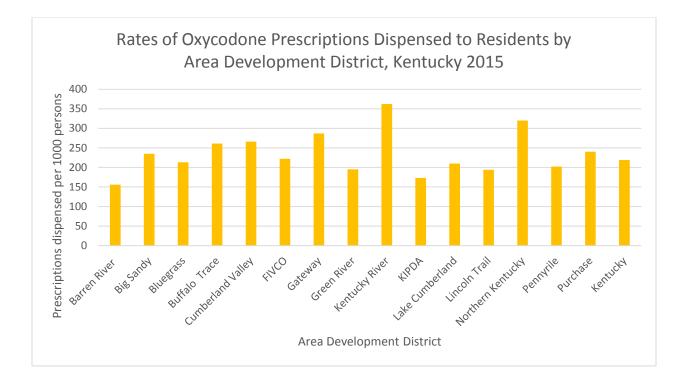


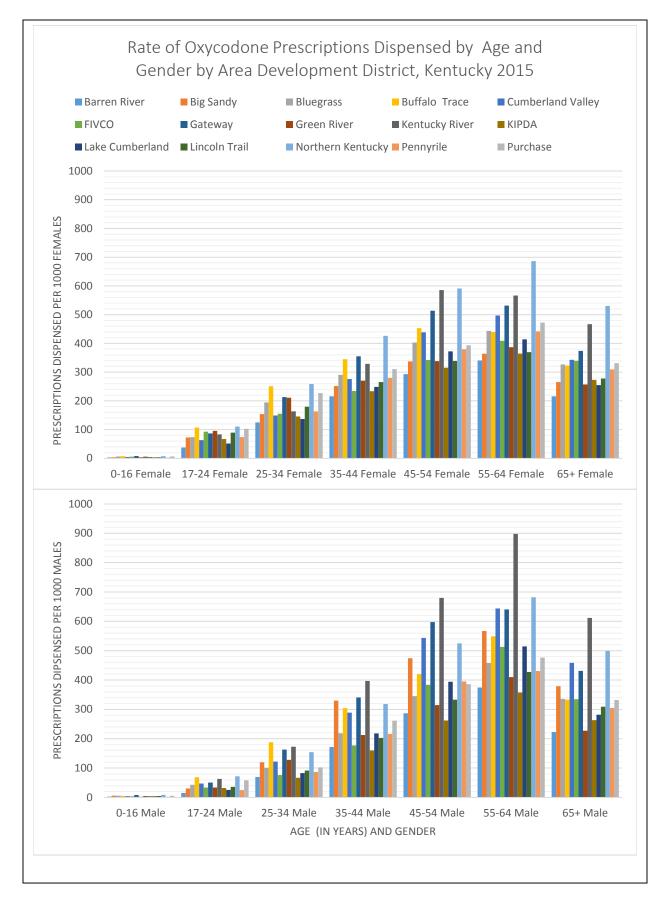


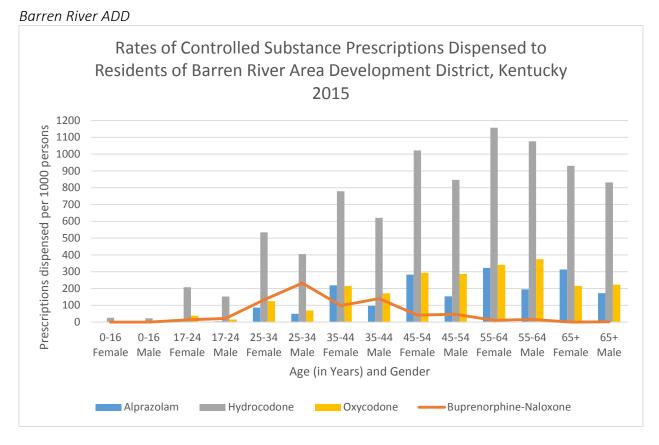




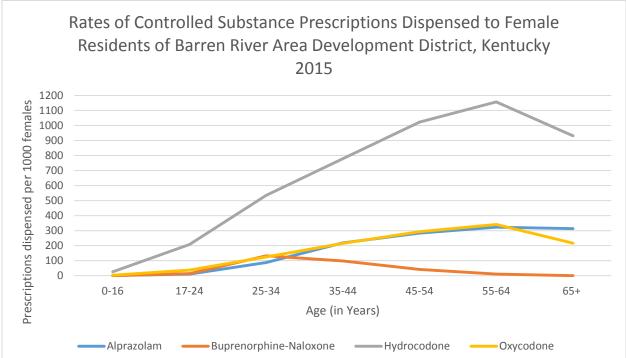


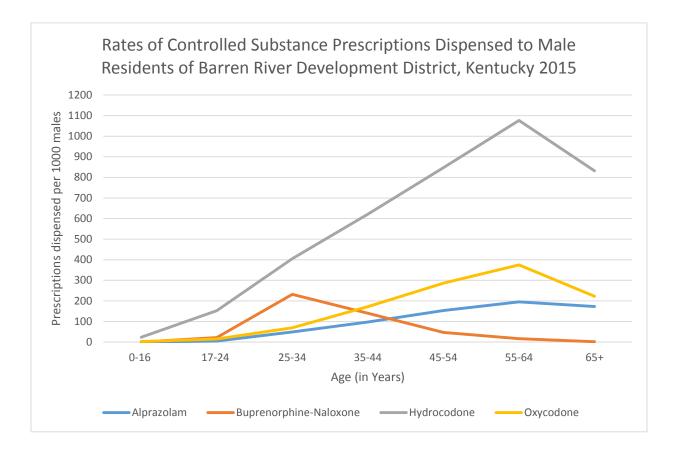


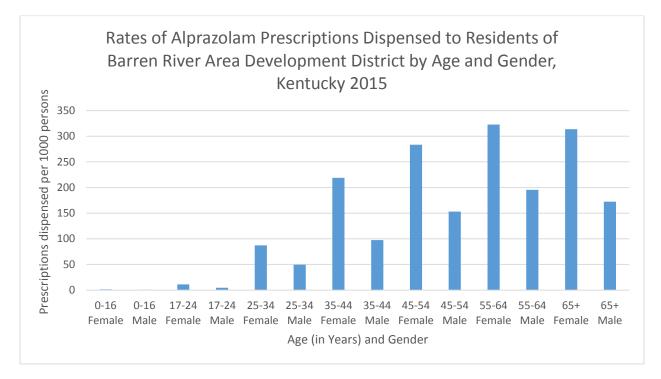


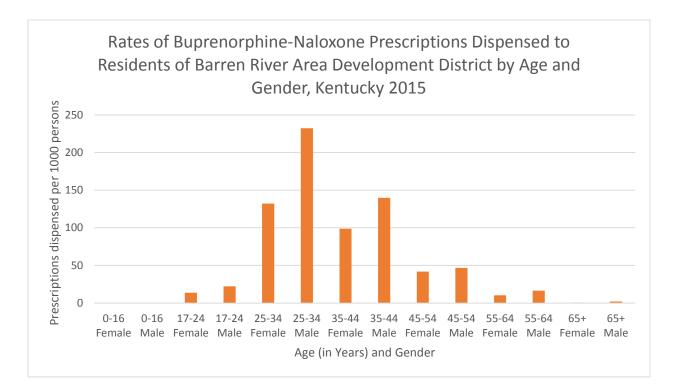


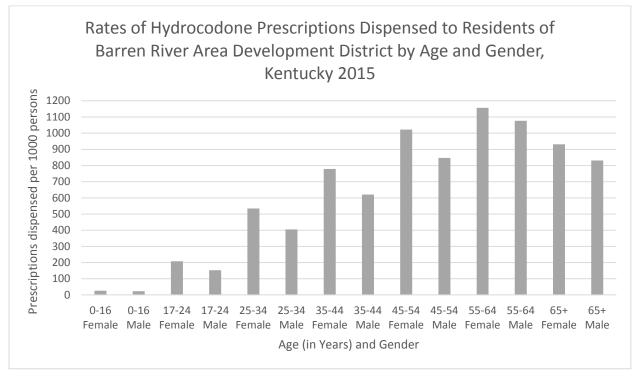
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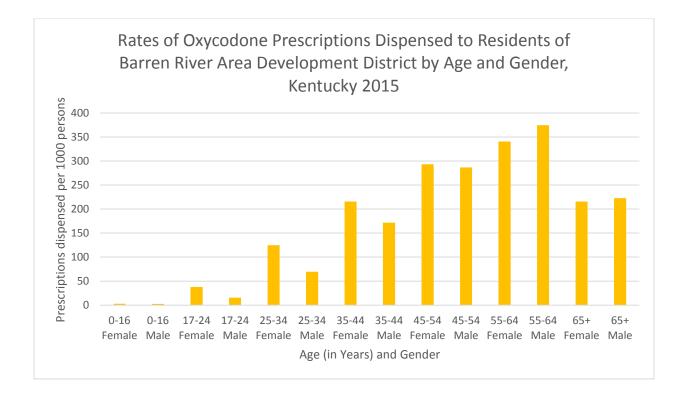




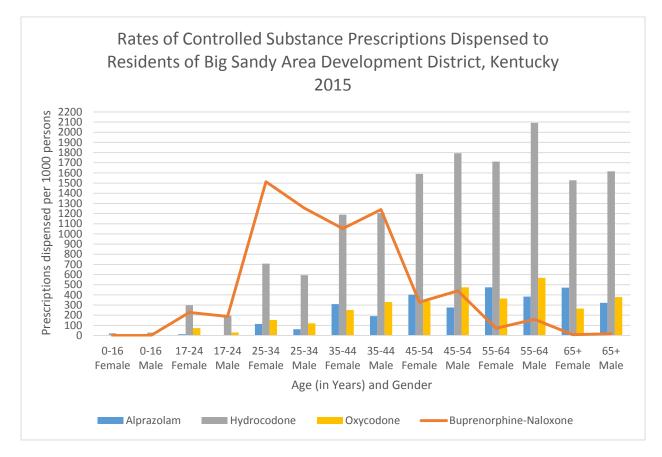


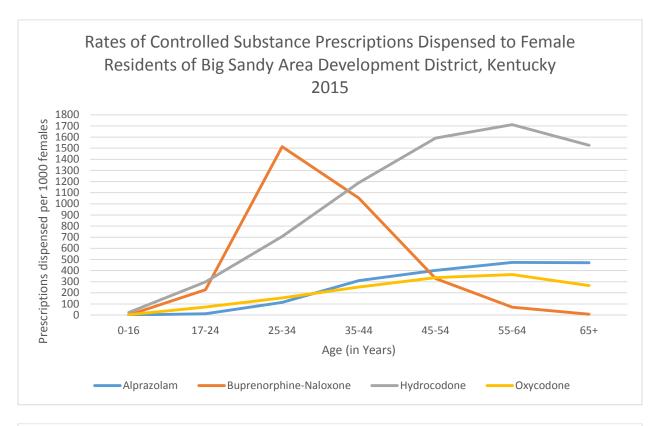


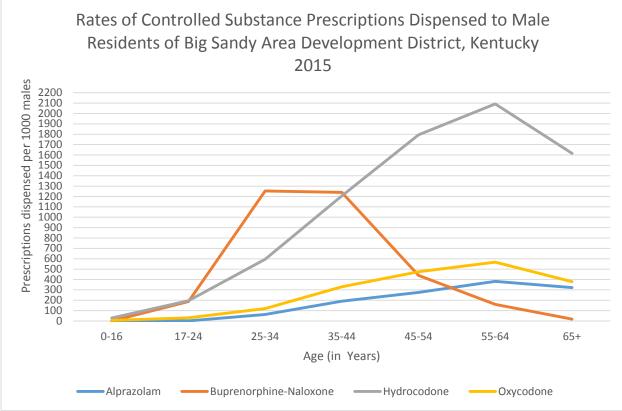


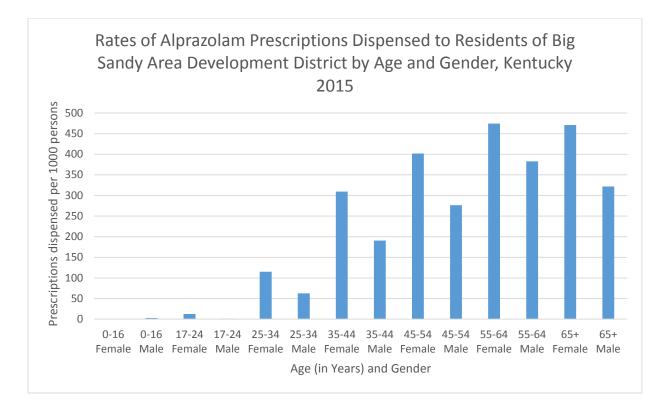


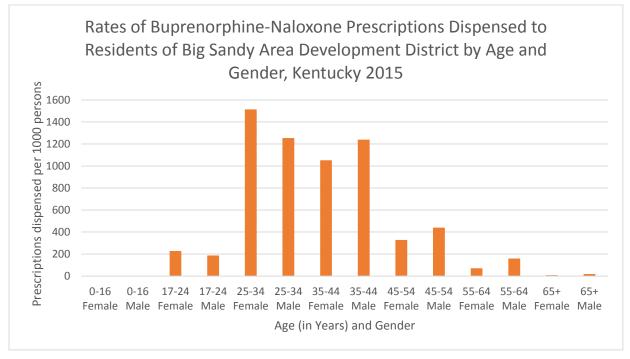
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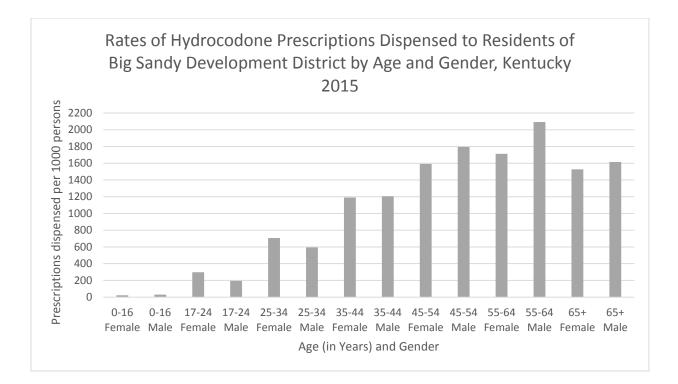


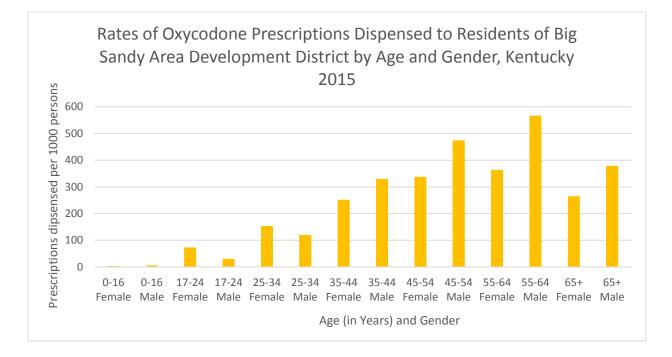




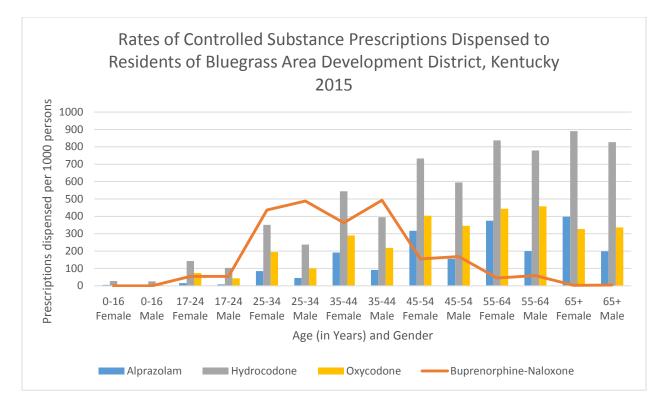




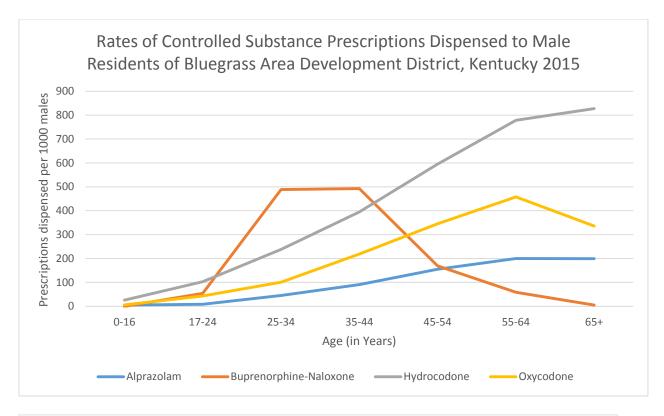


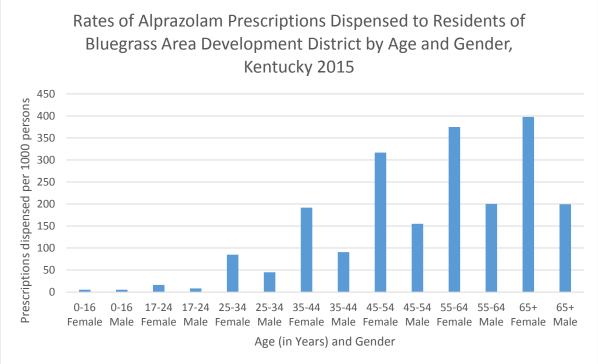


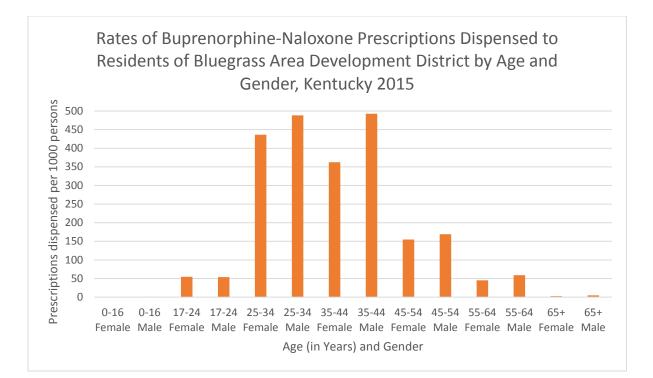
Bluegrass ADD

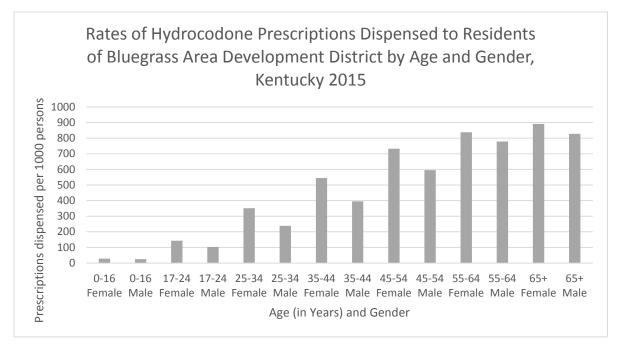


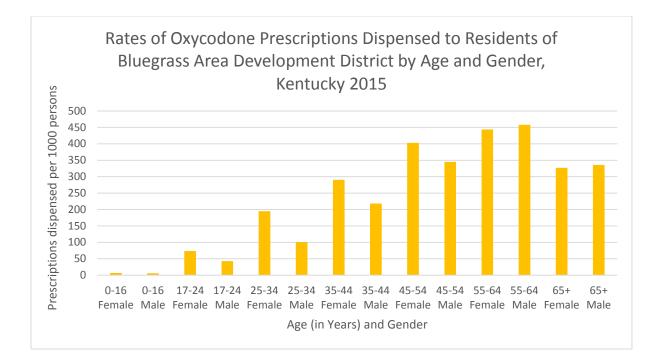
Rates of Controlled Substance Prescriptions Dispensed to Female Residents of Bluegrass Area Development District, Kentucky Prescriptions dispensed per 1000 females 2015 1000 900 800 700 600 500 400 300 200 100 0 0-16 17-24 25-34 35-44 45-54 55-64 65+ Age (in Years) Alprazolam Buprenorphine-Naloxone Oxycodone



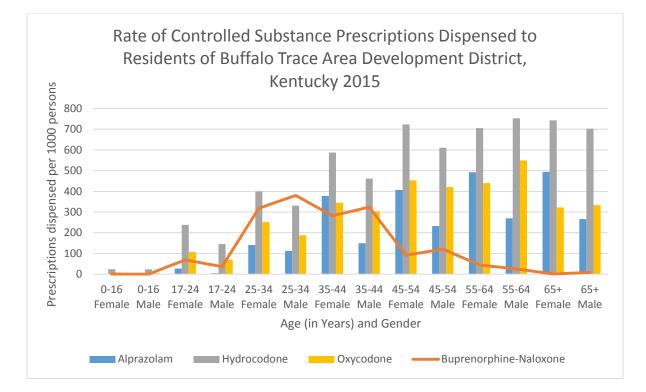


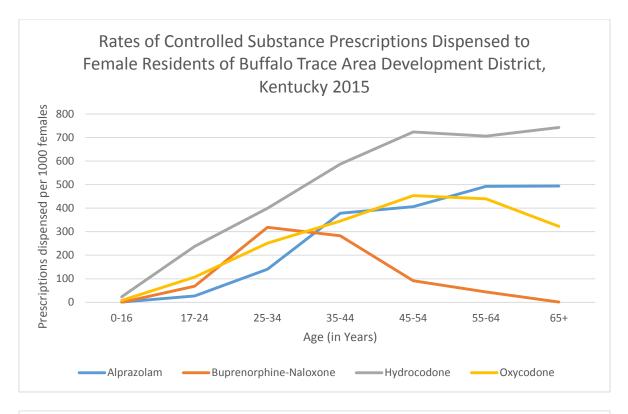


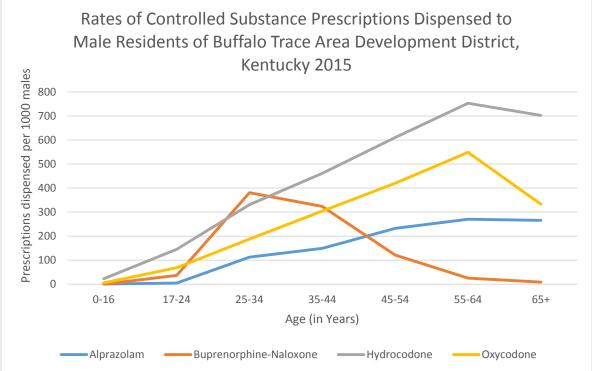


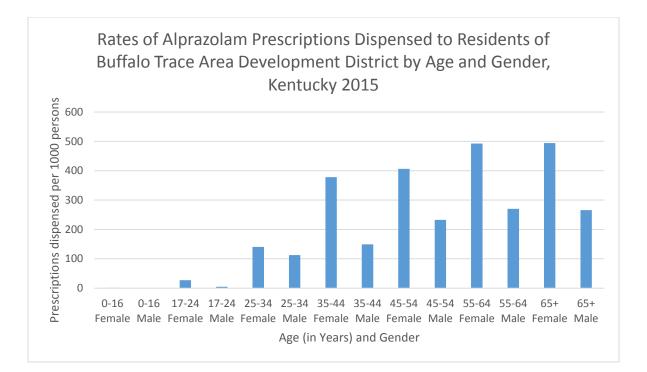


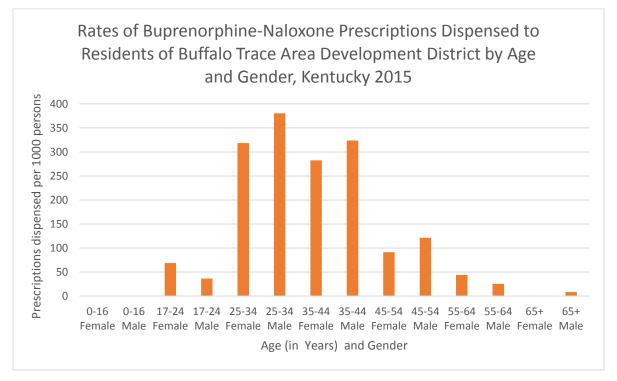
Buffalo Trace ADD

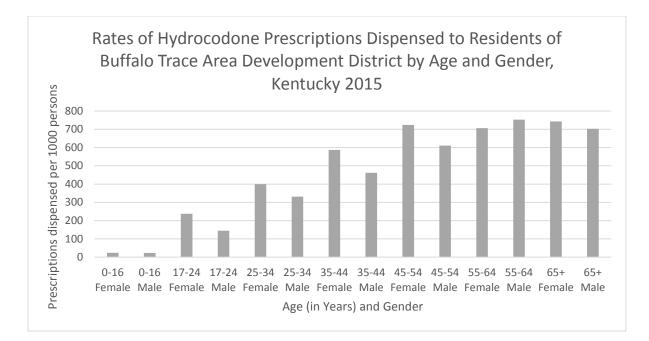


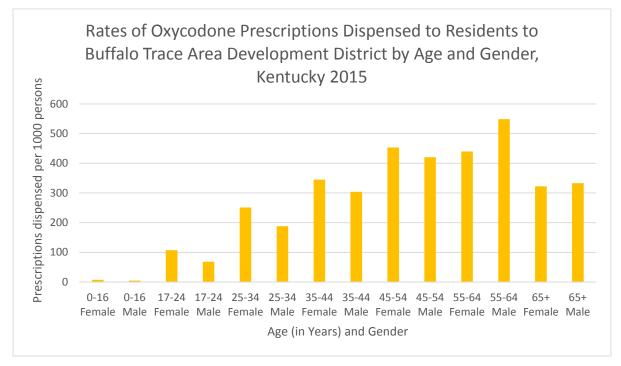




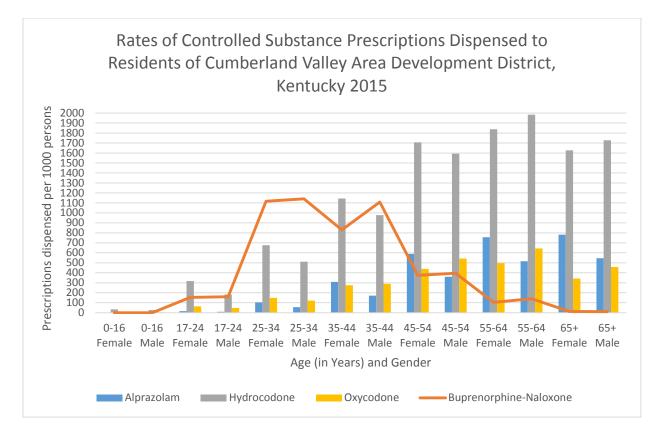


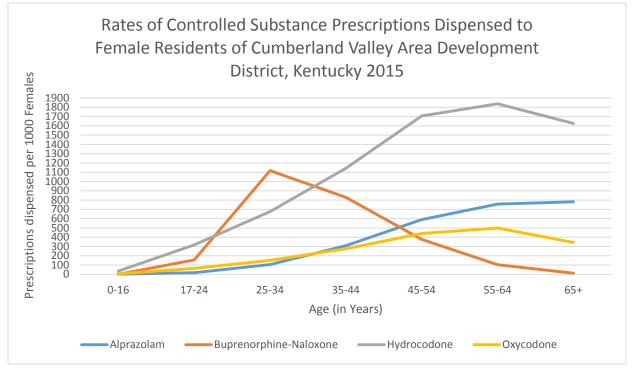


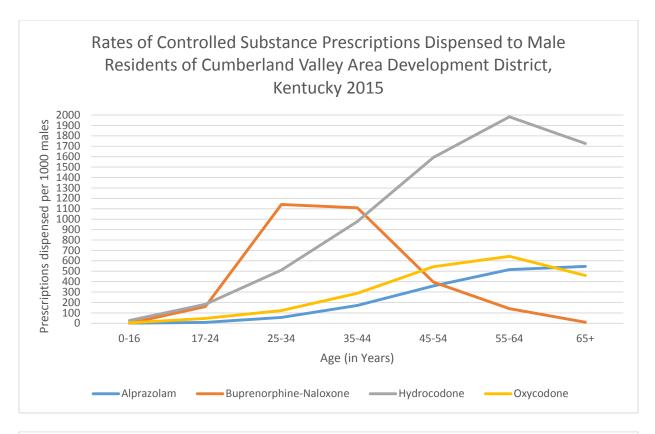


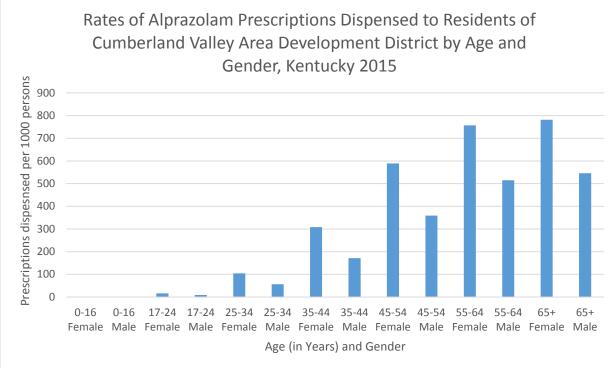


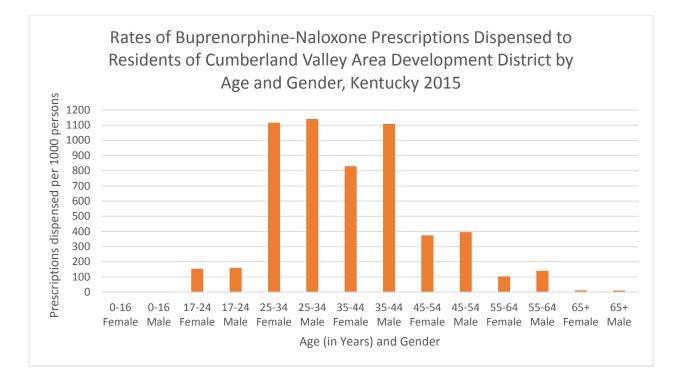
Cumberland Valley ADD

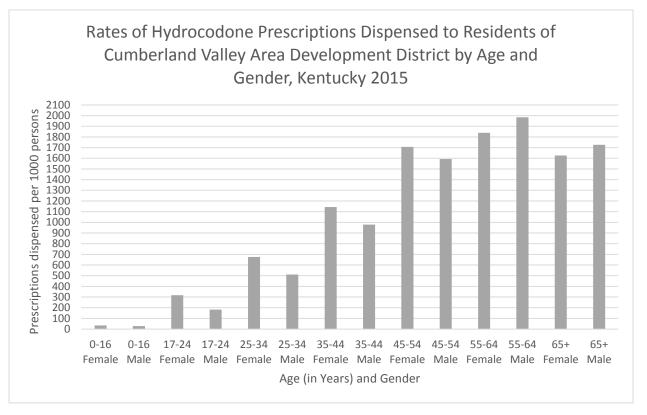


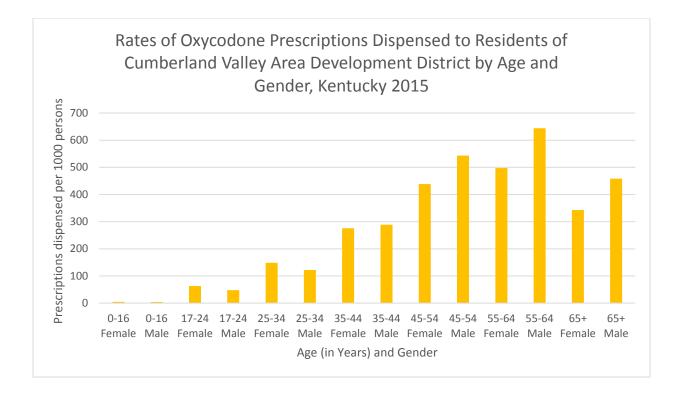




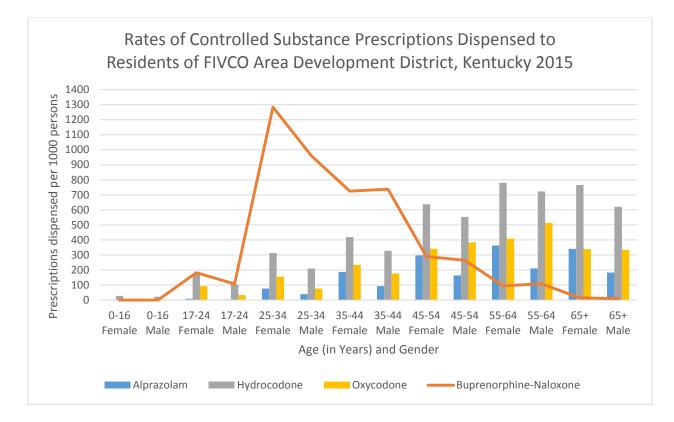


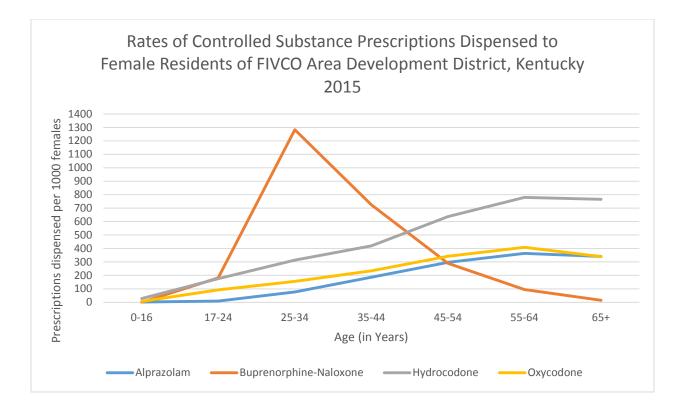


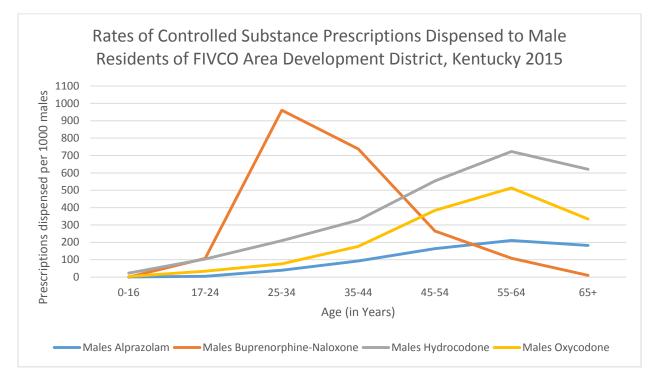


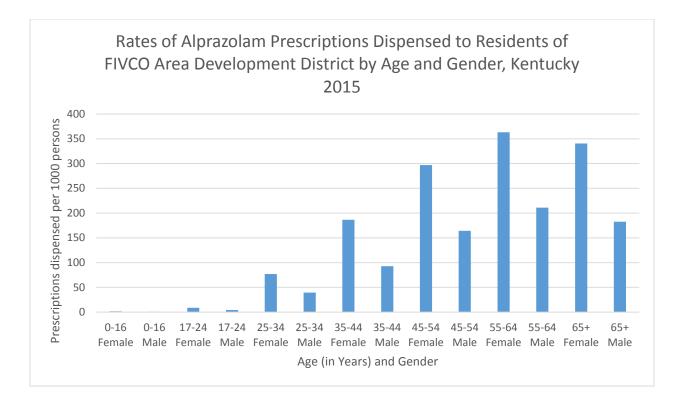


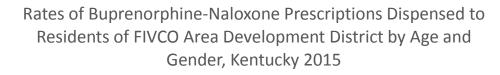
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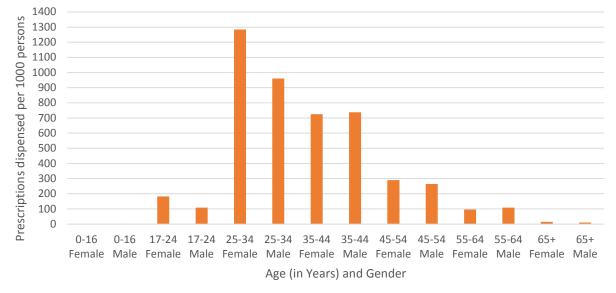


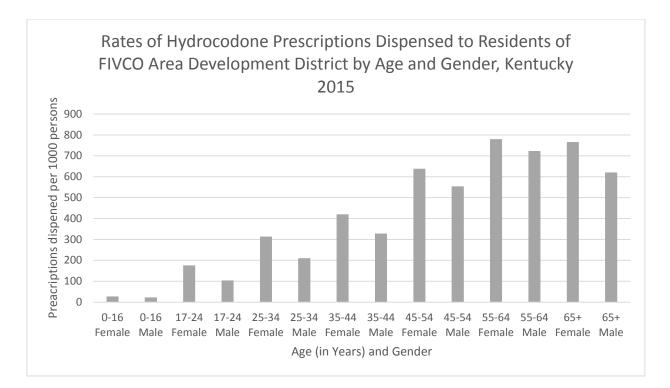


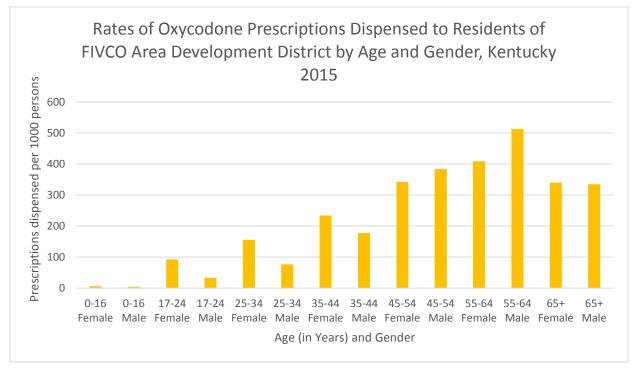




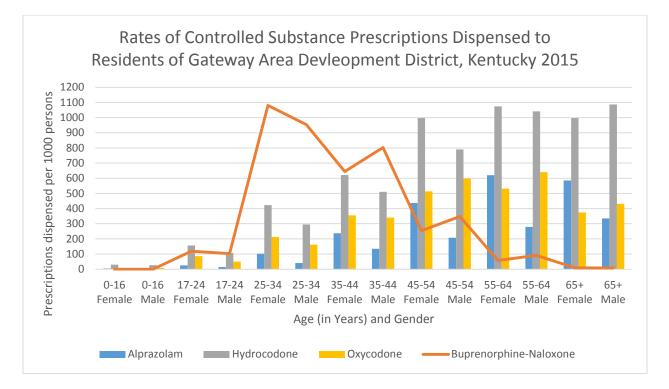


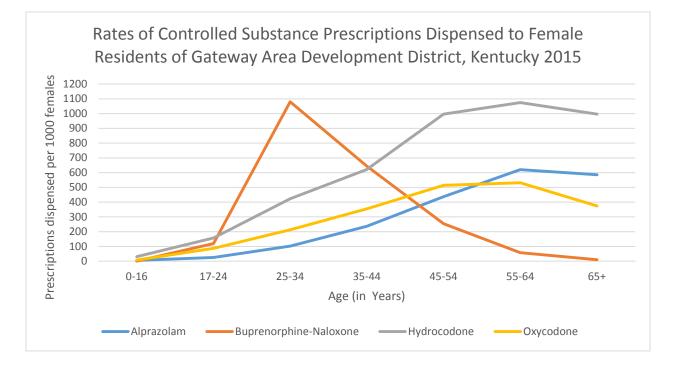


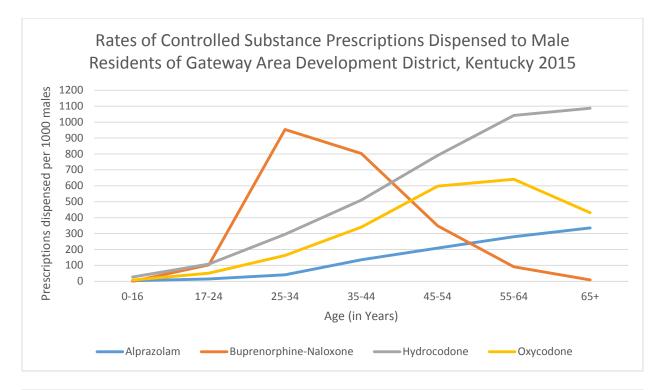


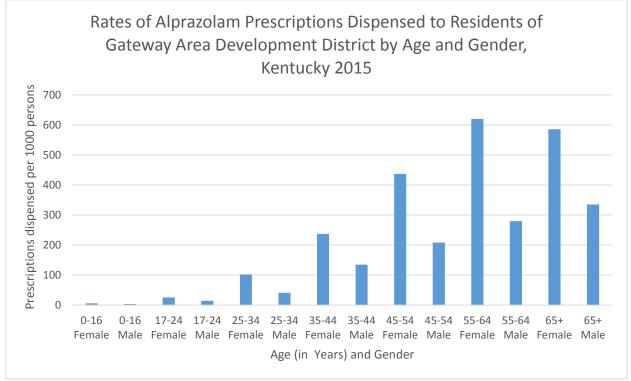


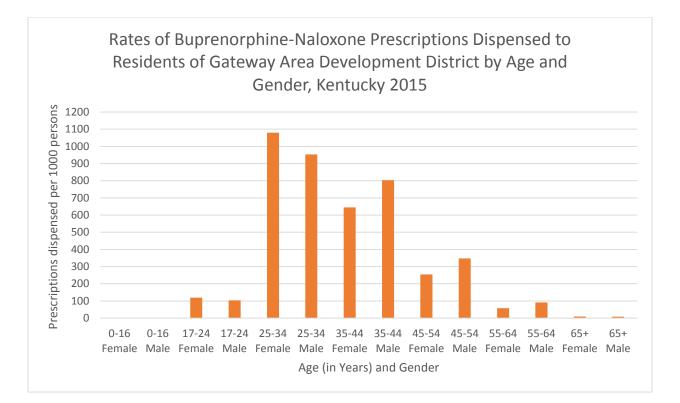
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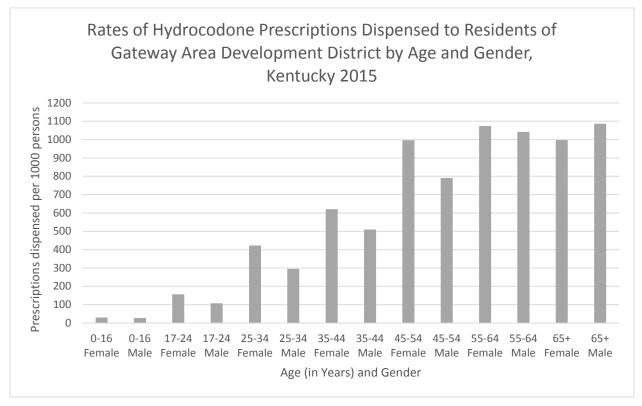


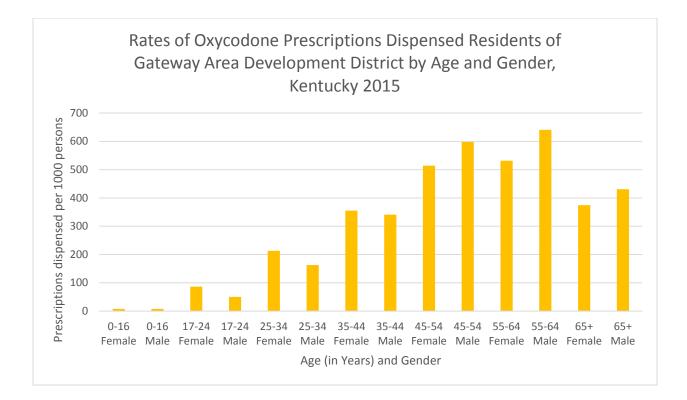




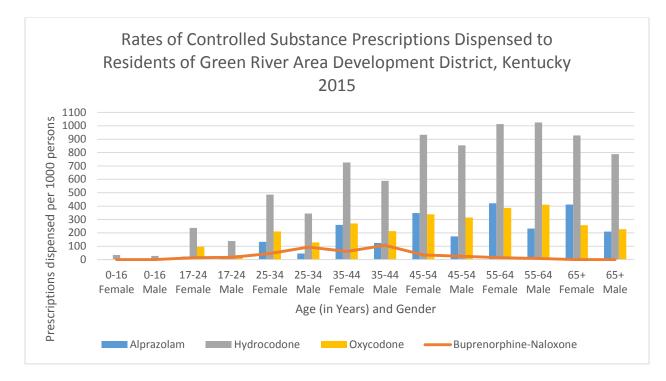


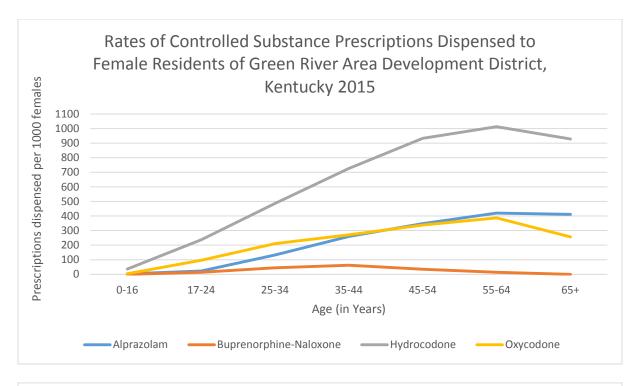


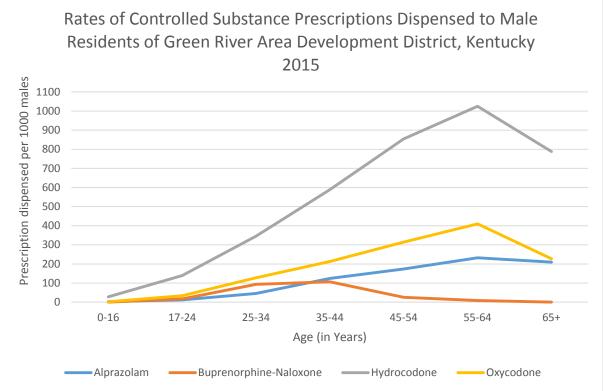


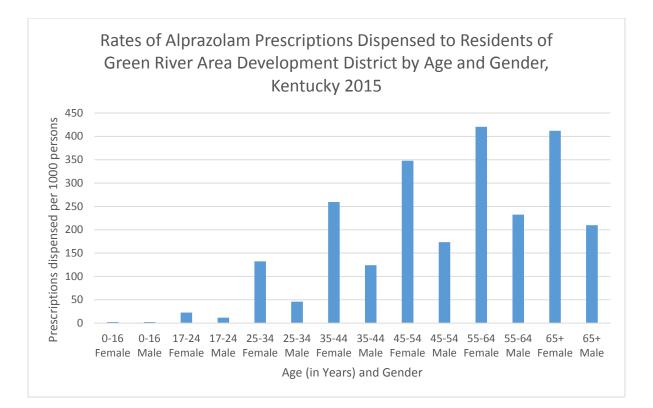


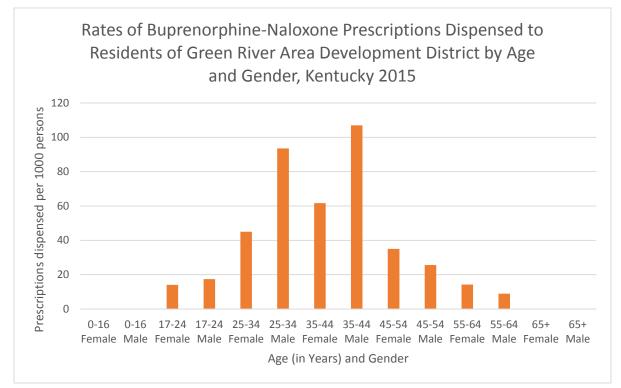
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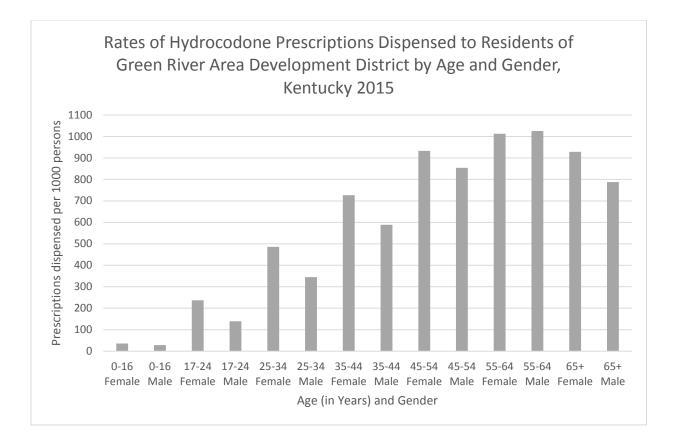


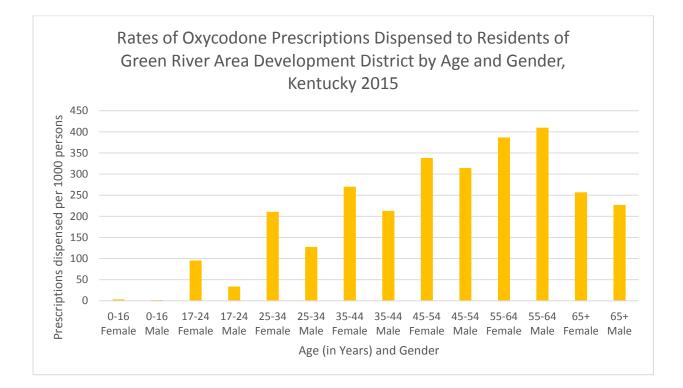




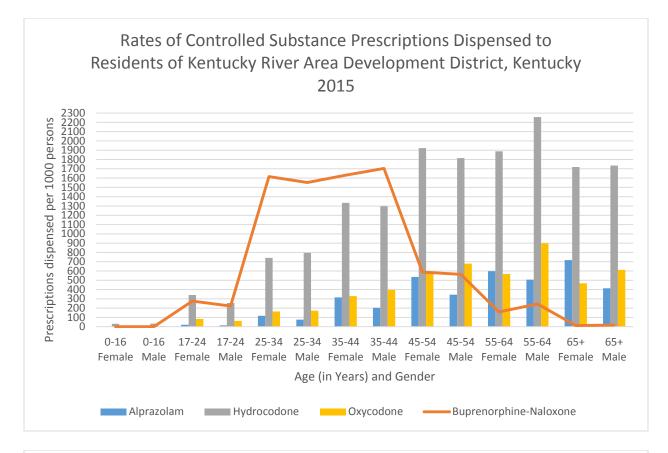


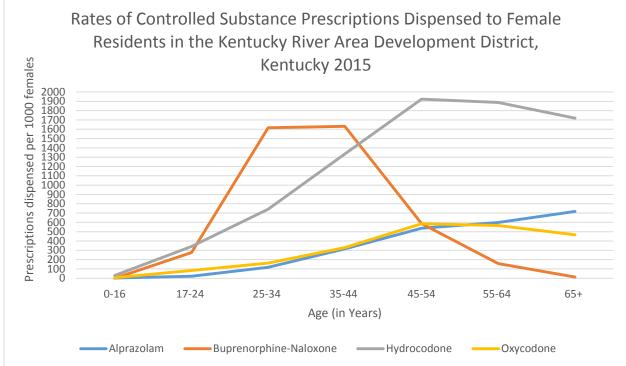


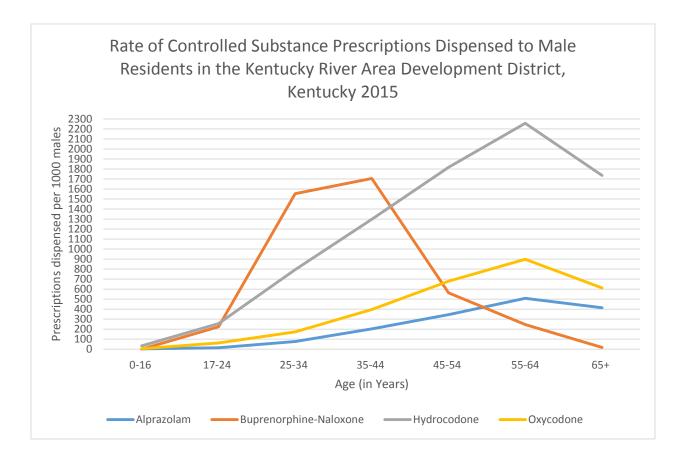


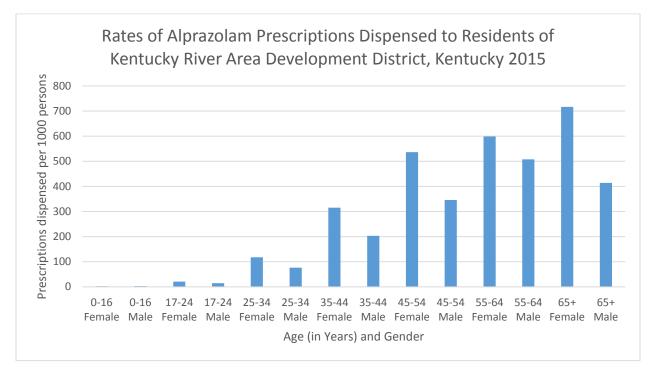


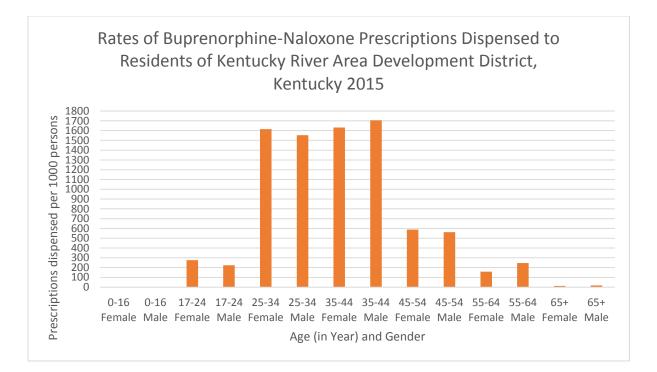
Kentucky River ADD

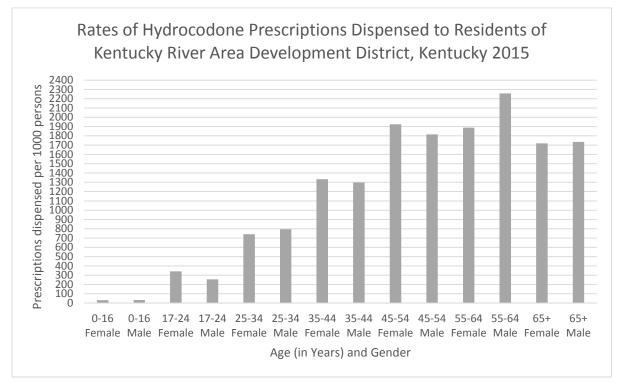


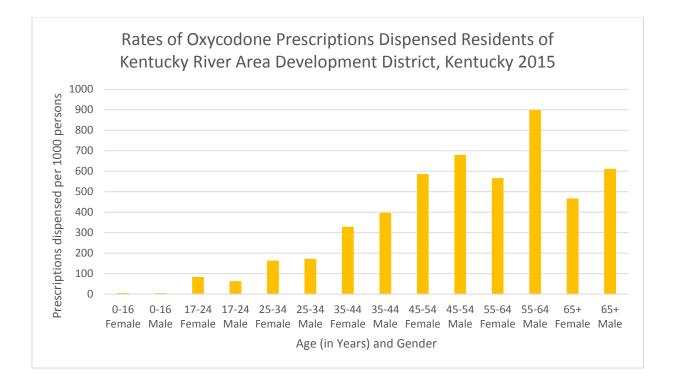




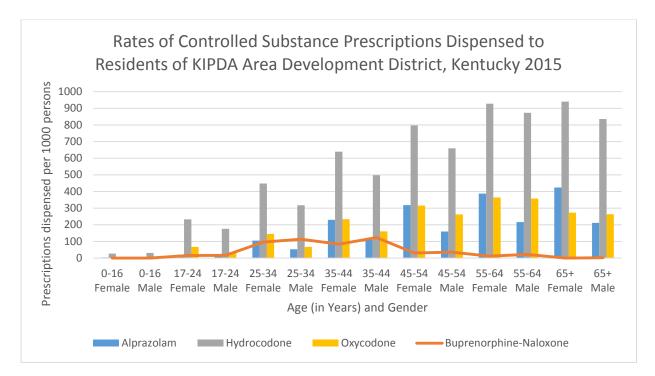


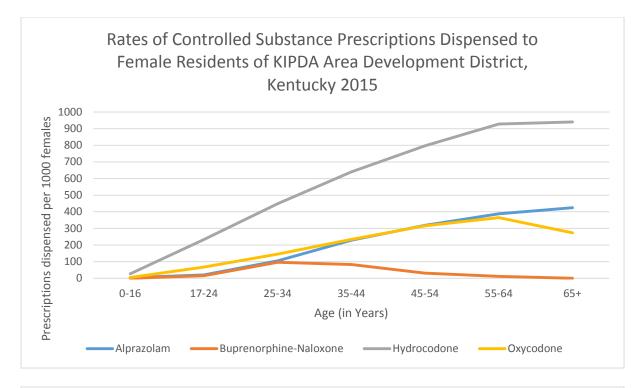


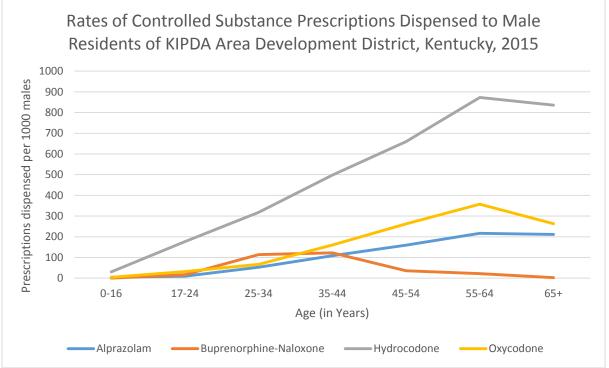


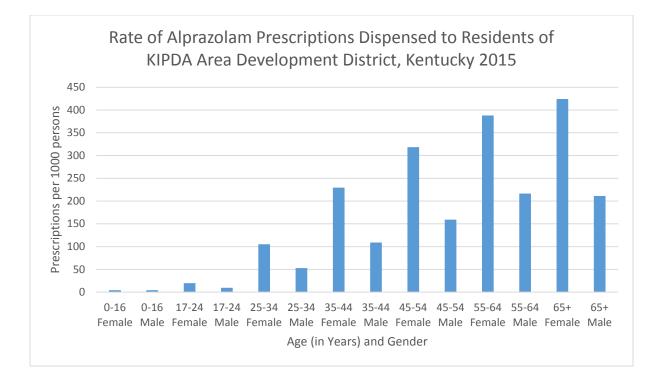


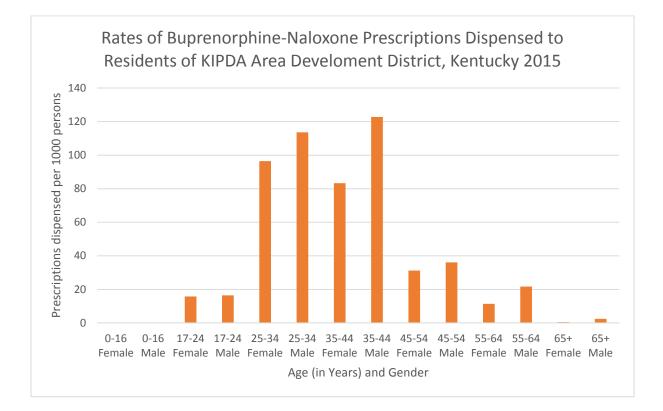
KIPDA ADD

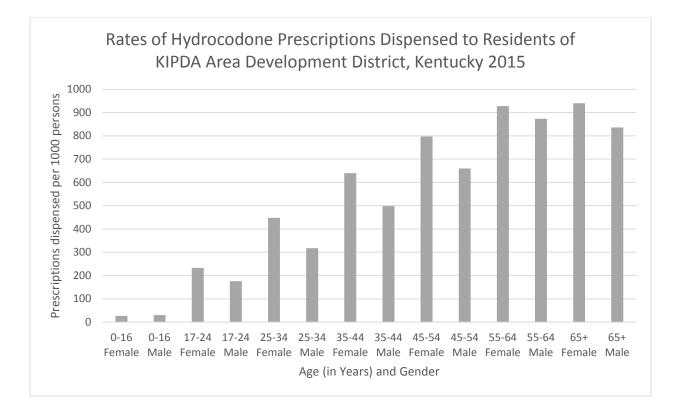


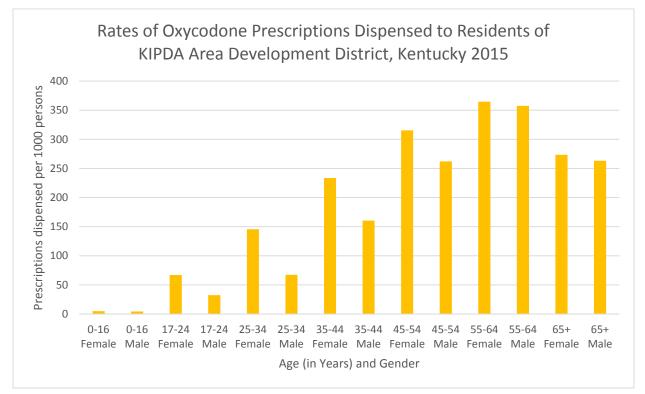




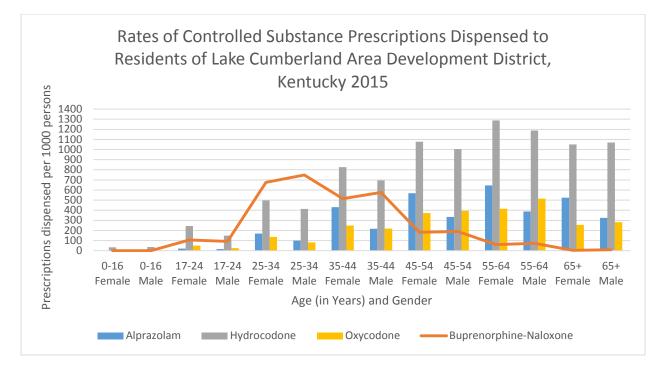


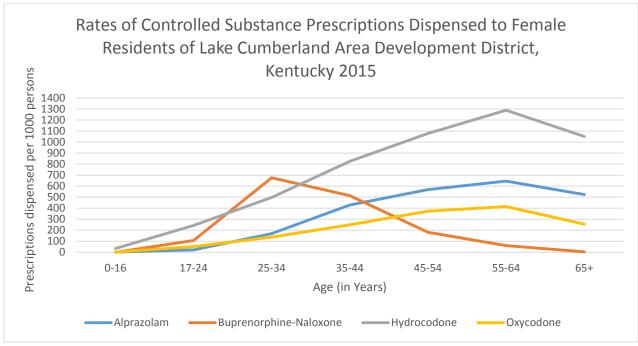


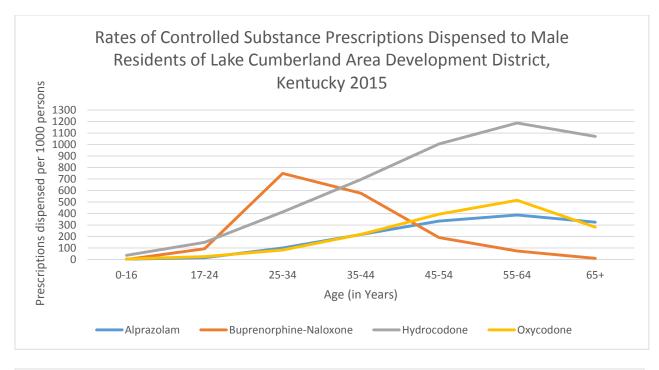


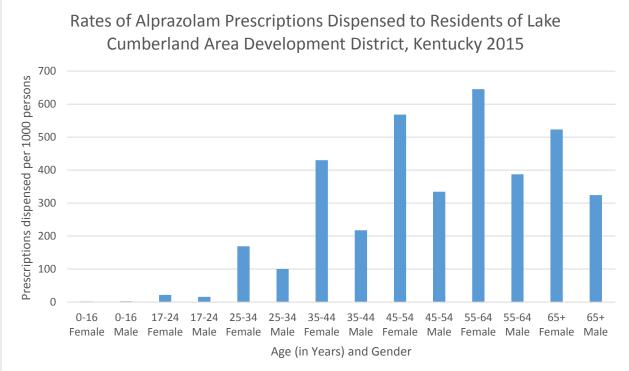


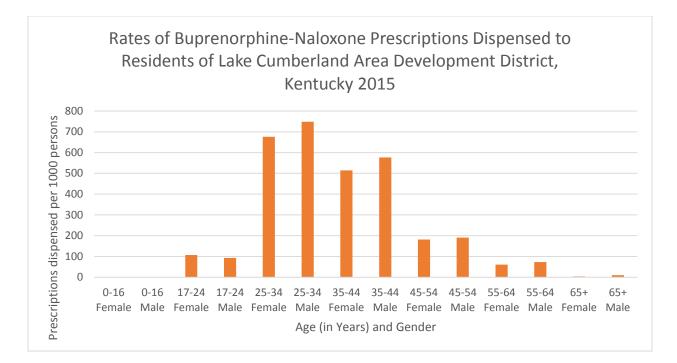
Lake Cumberland ADD

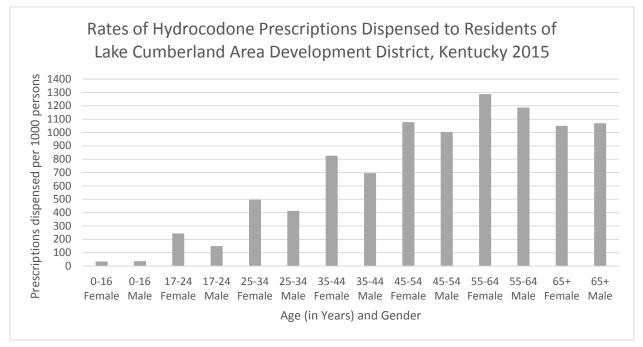


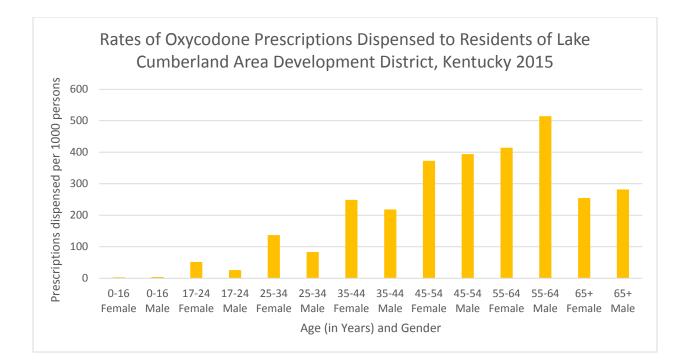




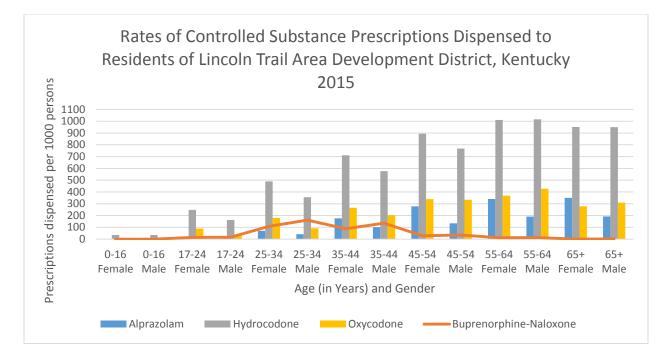


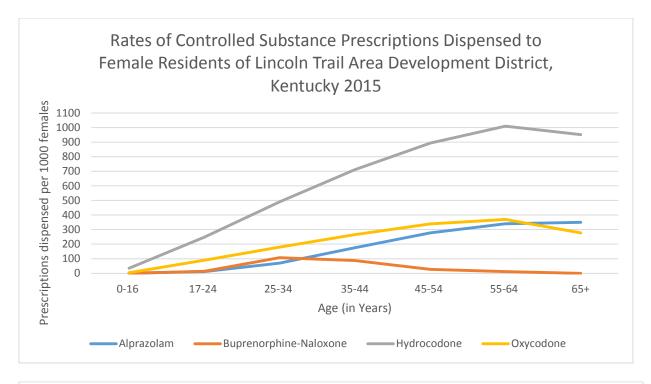


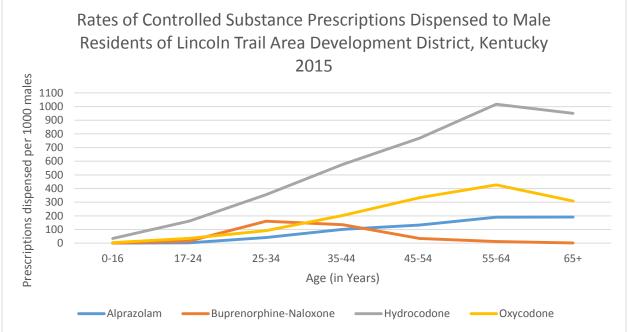


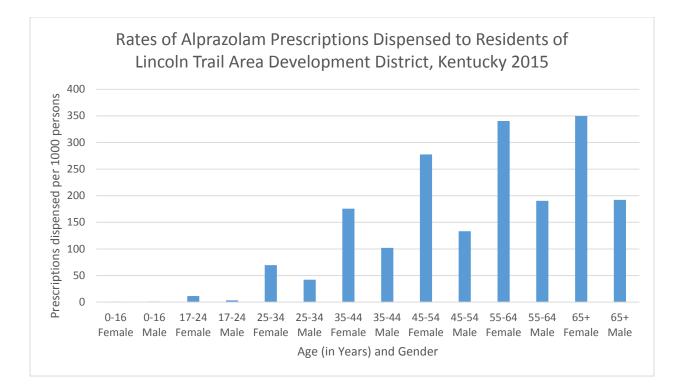


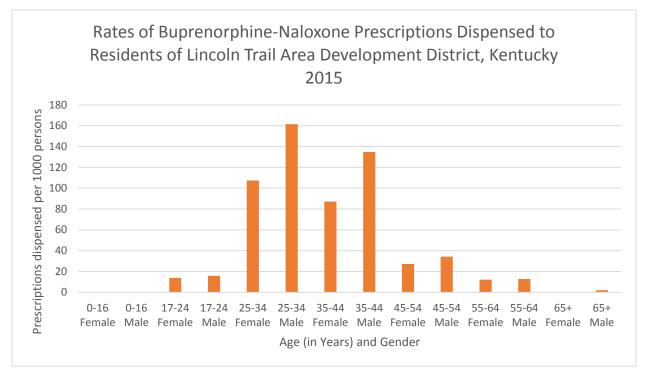
Lincoln Trail ADD

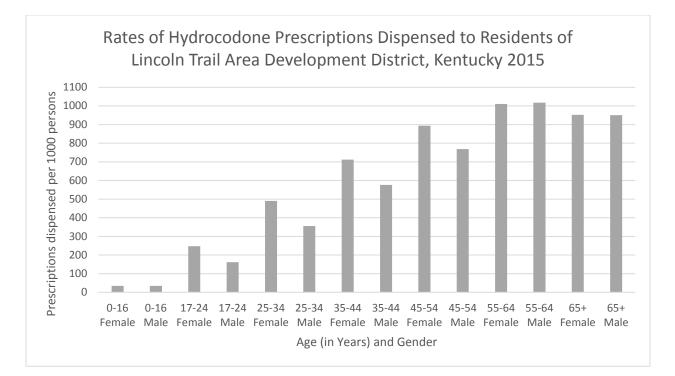


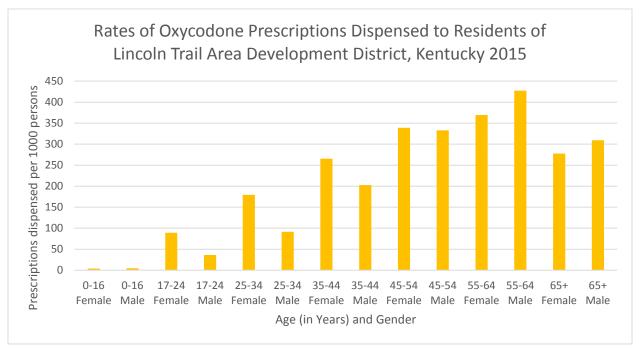




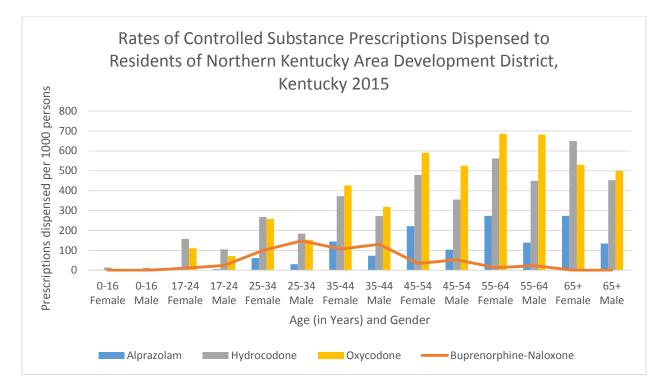


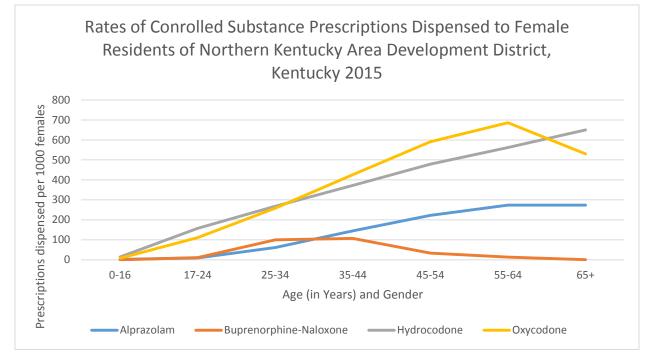


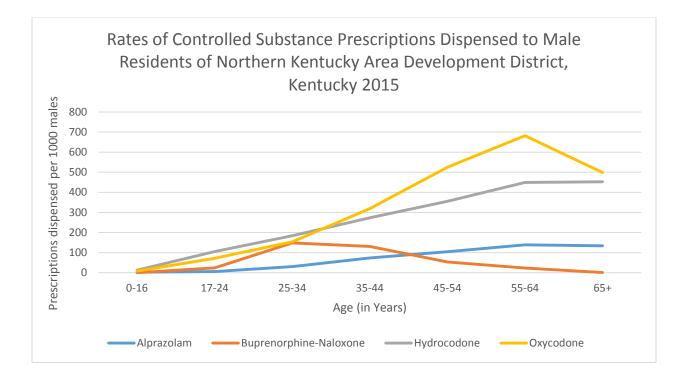


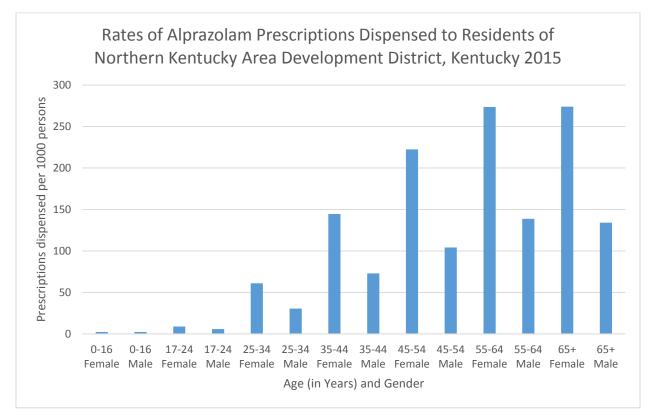


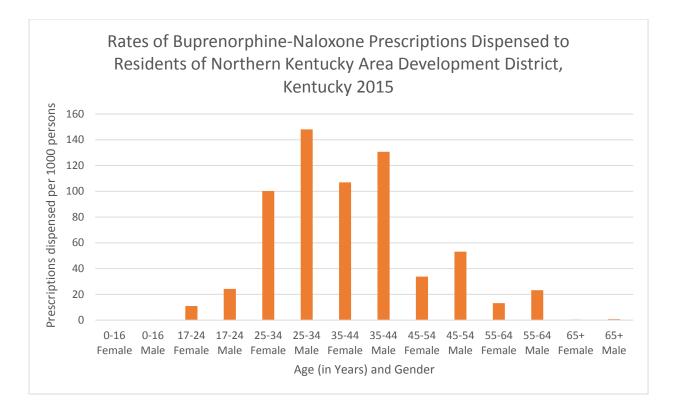
Northern Kentucky ADD

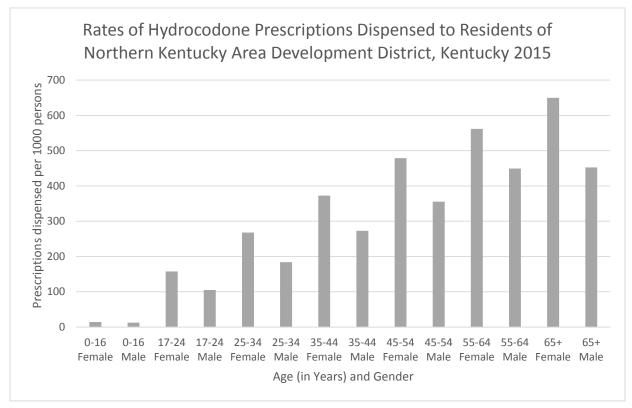


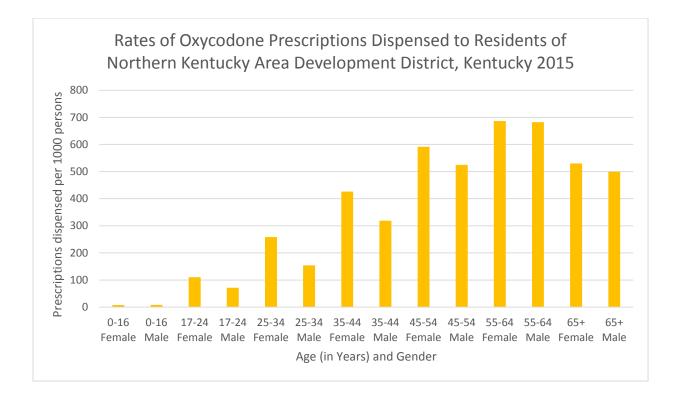




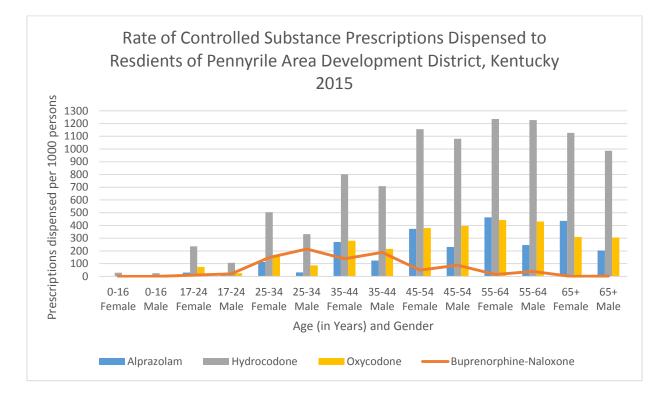


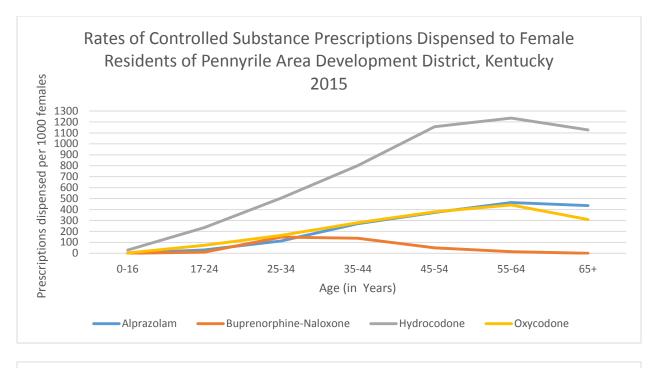


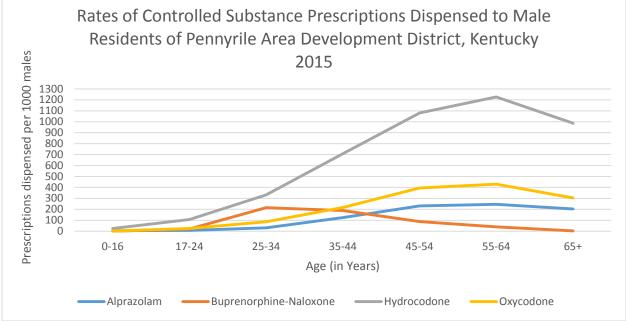


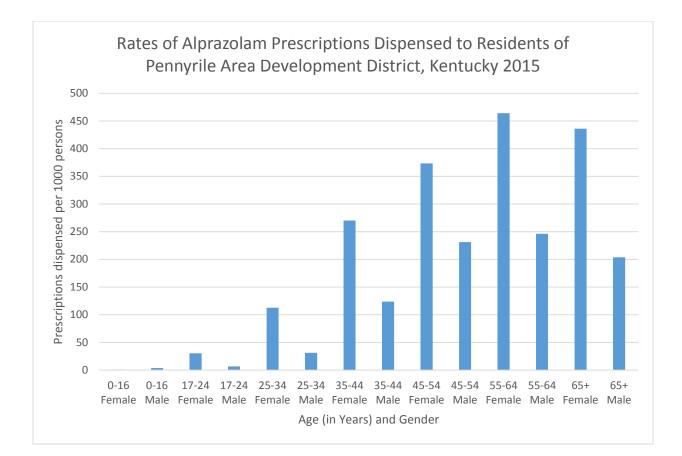


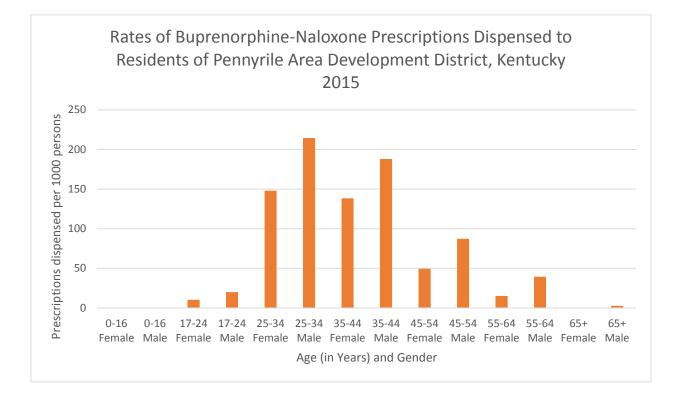
Pennyrile ADD

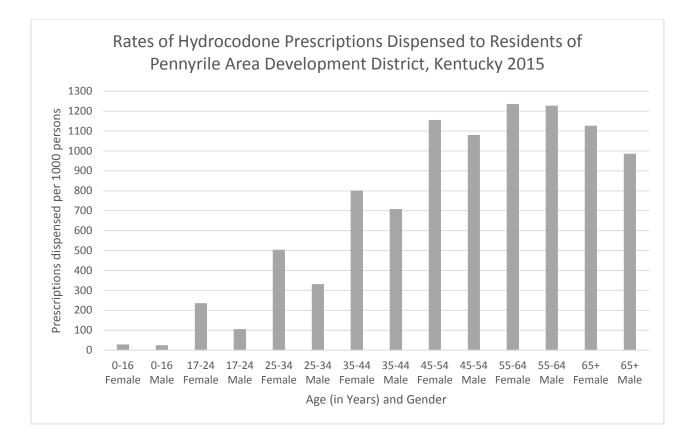


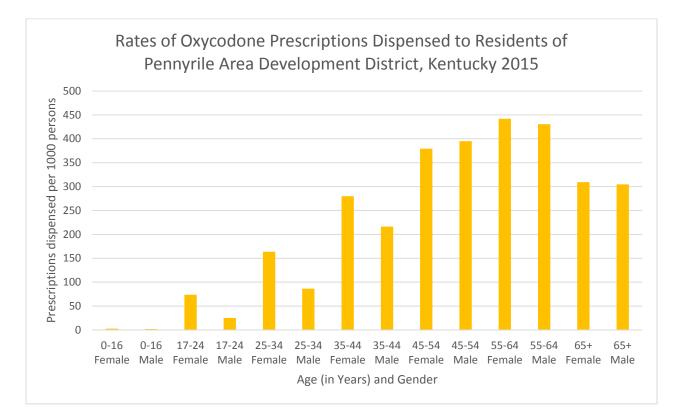












Purchase ADD

