



Florida's Prescription Drug Monitoring Program

State Panel: Data Analytics

November 29, 2017

Harold Rogers PDMP South Regional Meeting

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Program Outreach Director



Florida PDMP Data Characteristics

- Contains over 232 million records
- 7.3 million unique individuals in database with 6.9 million living in Florida
- 207,712 unique prescribers (67,835 are in-state, 139,877 out of state)
- Number of prescriptions per patient 5.08
- Number of prescriptions per prescriber 178.98

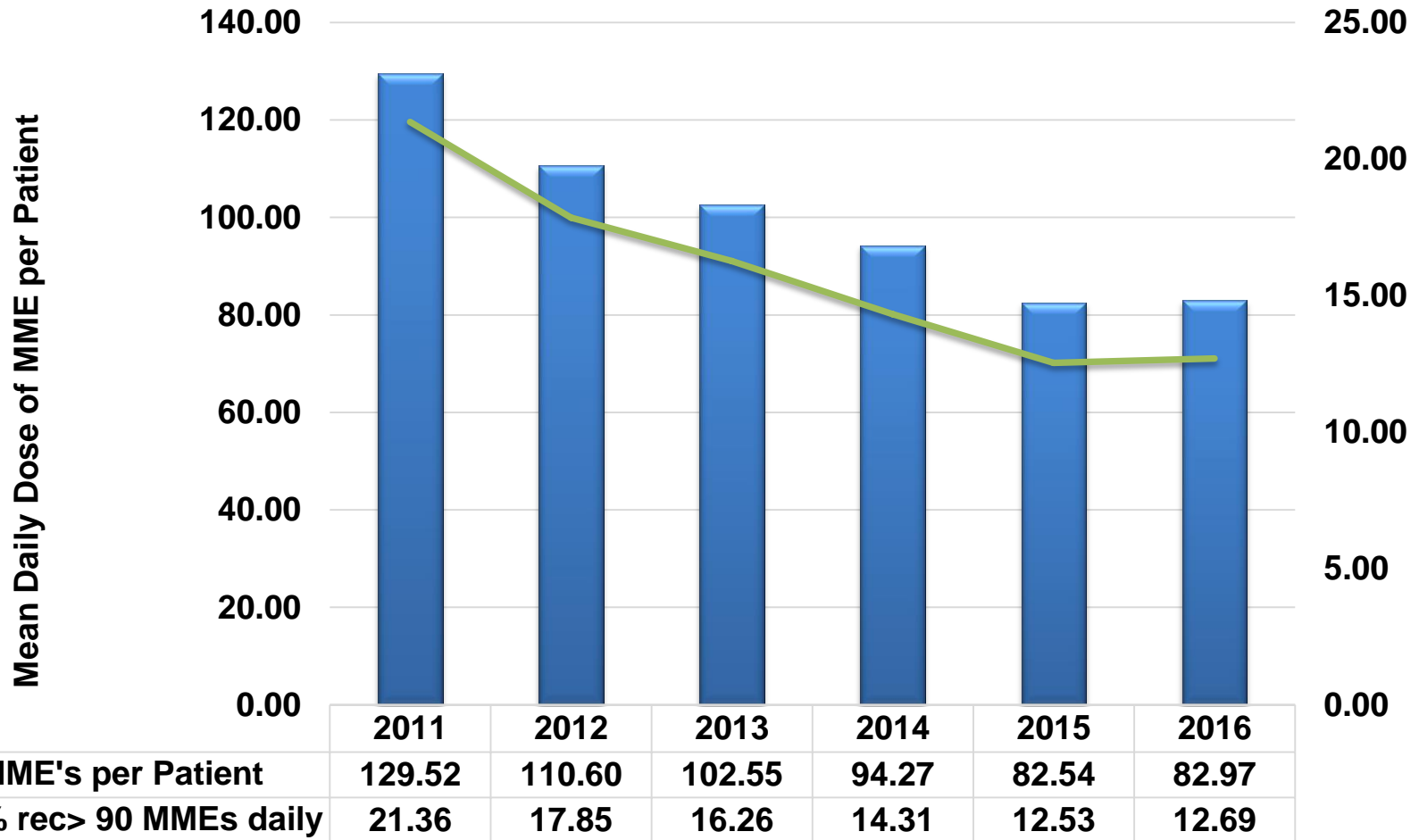
Florida Registration and Utilization

License Type	Total Licensees (No.)	Registered Users (No.)	Registered Users (%)	Users who have Queried (No.)	Users who have Queried (%)	RY2017 Queries (No.)
ARNP	23,442	3,314	14.1%	2,389	72.1%	993,302
Dentist	13,402	1,064	7.9%	651	61.2%	27,962
MD	73,085	15,034	20.6%	10,601	70.5%	11,653,724
DO	8,217	3,185	38.8%	2,496	78.4%	2,607,733
PA	7,846	2,108	26.9%	1,672	79.3%	699,277
Pharmacist	30,247	17,852	59.0%	16,174	90.6%	19,757,284
TOTAL	156,239	42,557	27.2%	33,983	79.9%	35,739,282

Opioid prescriptions reported by dispensers for report year July 1, 2013 - June 30, 2016 by drug , Florida

DRUG NAME	RY2013	RY2014	RY2015	RY2016
Total Opioid Prescriptions	13,090,880	12,885,546	15,200,301	15,372,742
HYDROCODONE SA	6,120,956	6,014,557	5,359,325	5,123,070
OXYCODONE SA	3,742,288	3,673,917	3,963,049	4,263,901
TRAMADOL SA	142	60,510	2,598,803	2,763,302
CODEINE	600,912	575,211	639,786	669,405
MORPHINE LA	599,938	609,239	647,047	559,817
FENTANYL LA	357,271	380,150	401,024	414,103
HYDROMORPHONE	458,931	438,920	416,100	409,305
MORPHINE SA	305,209	305,238	319,744	324,894
OXYCODONE LA	318,413	298,995	300,974	311,492
METHADONE	371,659	329,083	304,460	288,369

Mean daily dosage per patient in morphine milligram equivalents (MMEs) and the percentage of patients on opioids receiving dosage >90 MMEs.

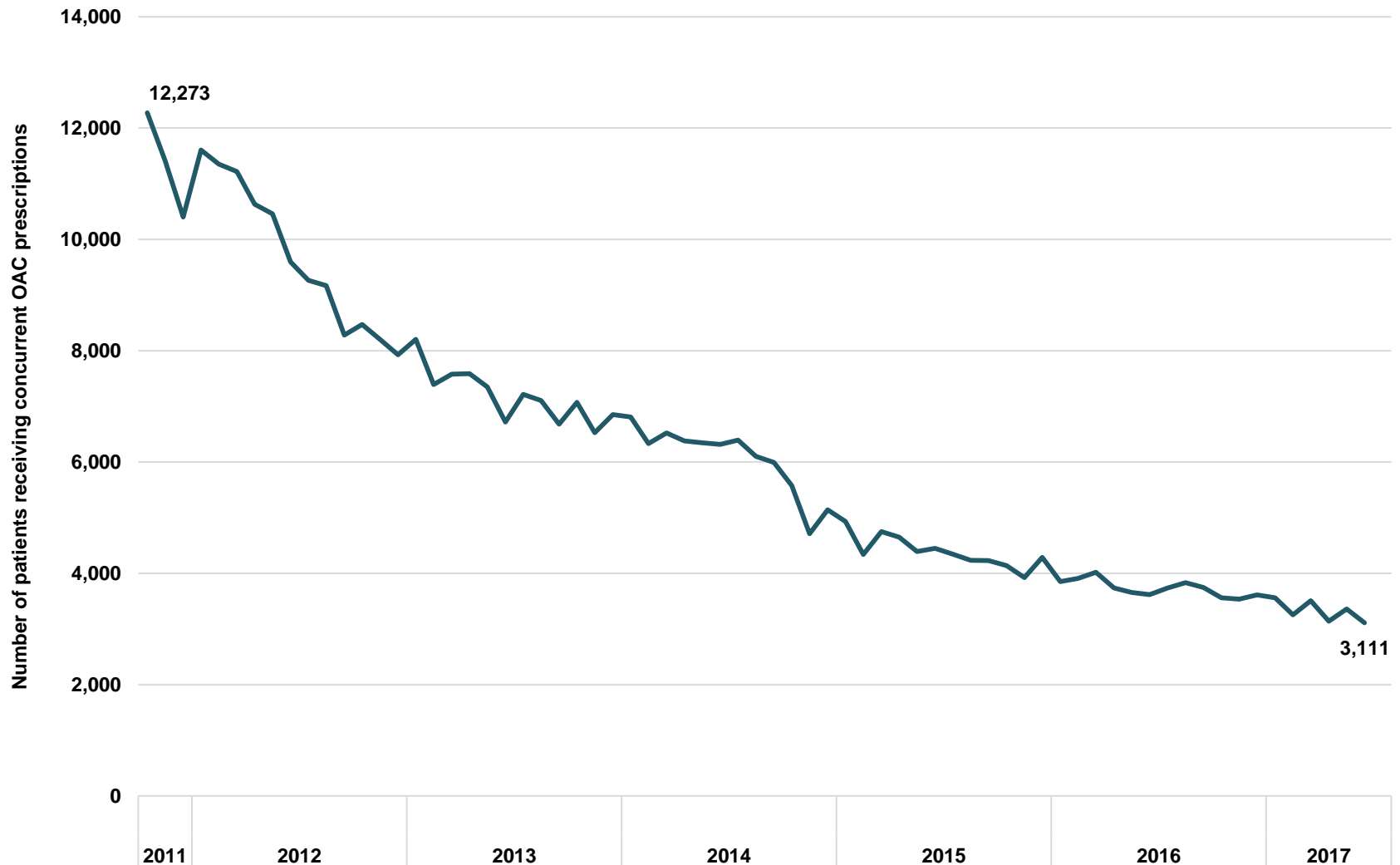


Number of opioid-naïve patients, days' supply and daily MME greater than 90, RY2016

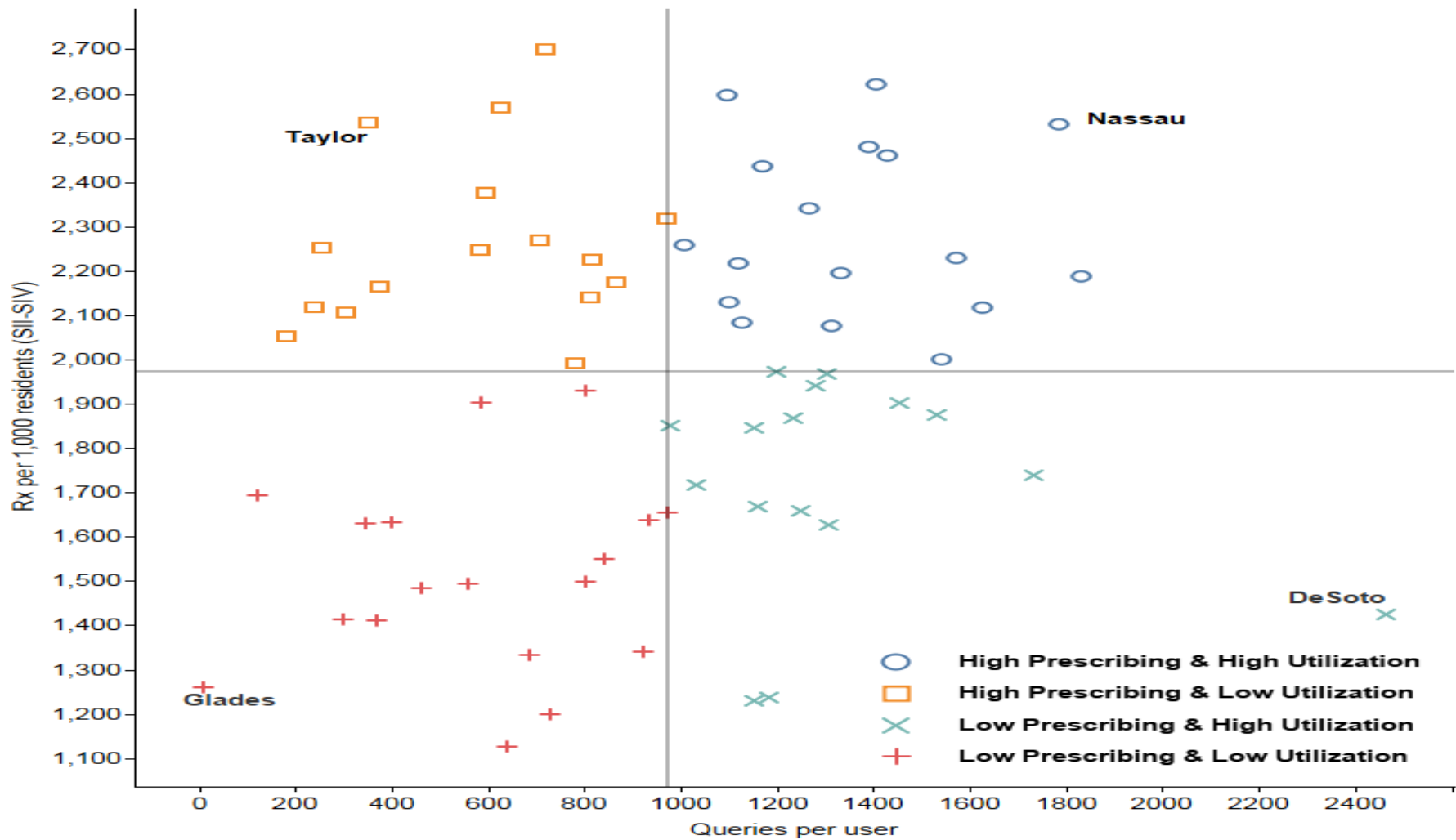
Opioid Naïve Patients in 2016 (N = 3,563,533)

Days' Supply	Number of Patients	Percentage (%)
>=3	3,086,208	86.6%
>=5	2,104,587	59.1%
>=7	1,383,589	38.8%
Morphine Milligram Equivalent (MME) Daily		
>=90 MME	206,088	5.8%

The number of patients receiving concurrent prescriptions of an opioid, alprazolam and carisoprodol (OAC), per year.

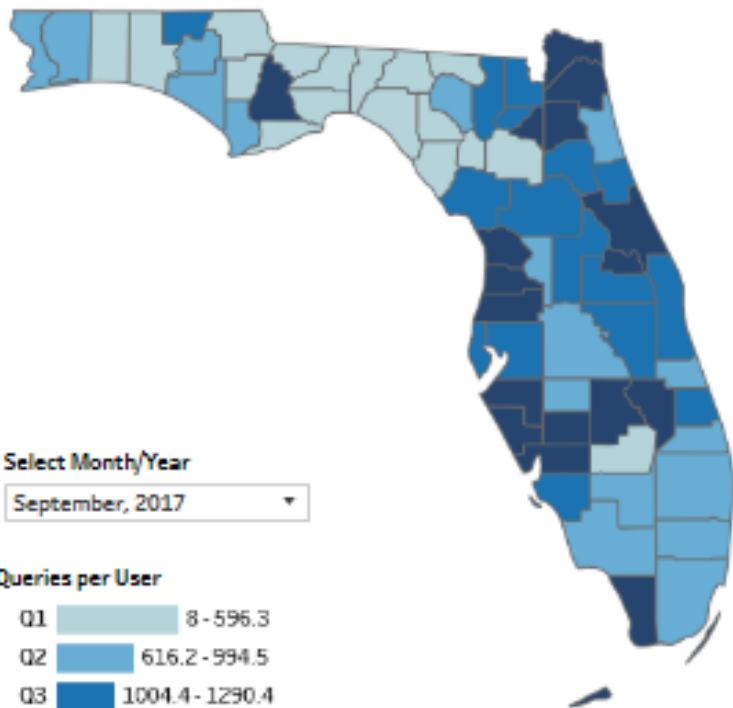


PDMP Utilization v. Prescribing Rates



Florida Drug-Related Outcomes Surveillance and Tracking System (FROST)

- Online tool to visualize data
 - PDMP registration and utilization
 - Controlled substance prescribing rates
 - Medical Examiner data
 - National Statistics

[Clear](#)

Select Monthly/Year

September, 2017

Queries per User



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County Name	Number of Queries	Number of Users	Queries per User	Queries per User (Rank)
Alachua	634,654	1,152	551	54
Baker	41,427	34	1,218	21
Bay	262,257	347	756	45
Bradford	48,152	34	1,416	11
Brevard	1,327,901	1,029	1,290	18
Broward	2,893,021	3,086	937	37
Calhoun	4,368	13	336	60
Charlotte	339,838	262	1,297	17
Citrus	296,691	209	1,420	10
Clay	676,444	369	1,833	4
Collier	422,390	514	822	43
Columbia	112,497	112	1,004	33
DeSoto	77,899	32	2,434	1
Dixie	3,681	14	263	64
Duval	3,031,864	2,315	1,310	15
Escambia	592,688	710	835	41
Flagler	113,788	106	1,073	30
Franklin	2,475	13	190	65
Gadsden	8,992	28	321	62
Gilchrist	21,468	36	596	51
Glades	8	1	8	67
Gulf	15,474	23	673	48
Hamilton	2,672	7	382	58
Hardee	5,890	9	654	49

Registration and Utilization by License Type (All County as of September, 2017)

License Type	Number of Registrants	Number of Users	Registrants that have queried (%)	Number of Queries	Queries per User
Advanced Registered Nurse Practitioner	3,588	2,613	72.8%	1,090,220	417
Dentist	1,112	685	61.6%	29,836	44
Designee	1,225	756	61.7%	191,170	253
Medical Doctor	15,727	11,141	70.8%	12,375,632	1,111
Optometrist	15	4	26.7%	43	11
Osteopathic Physician	3,413	2,680	78.5%	2,767,556	1,033
Pharmacist	18,384	16,676	90.7%	20,730,458	1,243
Physician Assistant	2,216	1,771	79.9%	762,316	430

Prescriptions per 1,000 county residents 2012-2015

Year

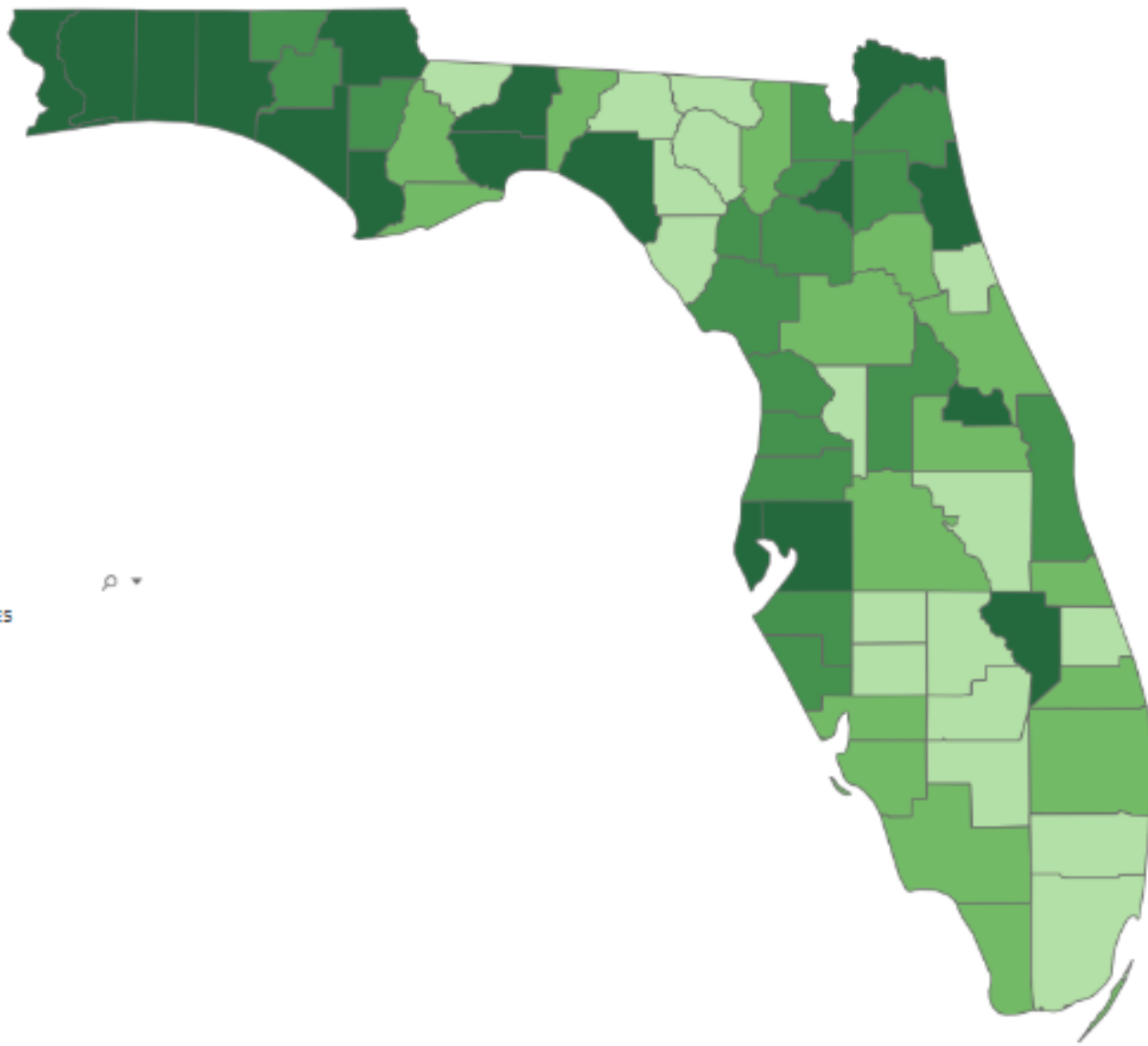
- 2012
- 2013
- 2014
- 2015

Drug Class

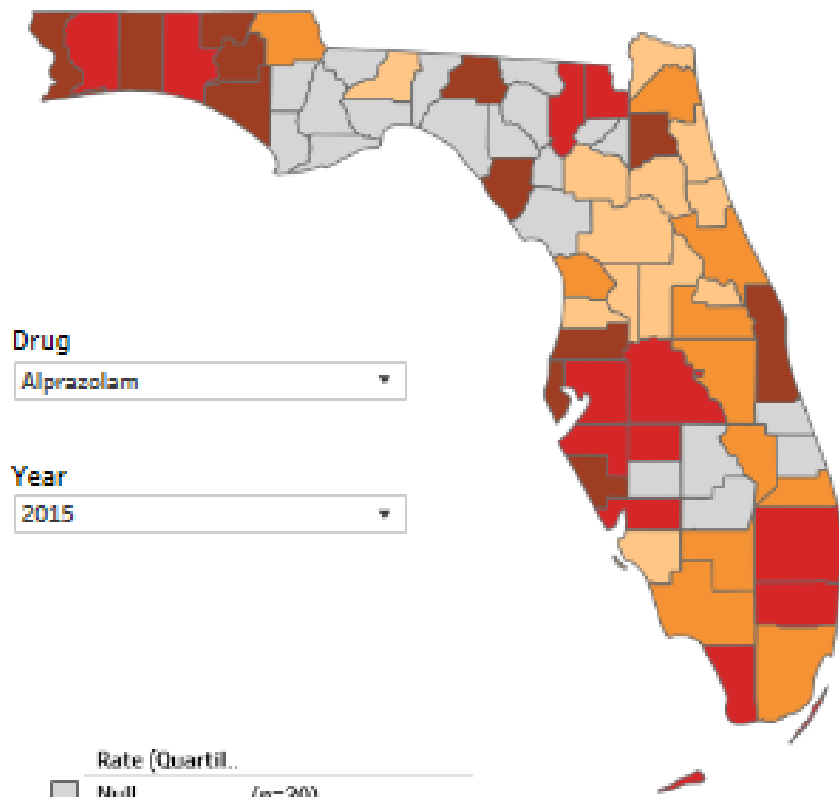
- BENZODIAZEPINES
- OPIOIDS
- STIMULANTS

Rate (Quartile)

- 94 - 195
- 195 - 241
- 241 - 268
- 274 - 400

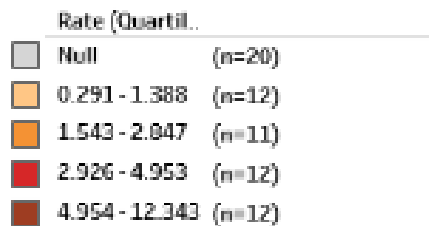


Alprazolam Caused Deaths per 100,000 Population

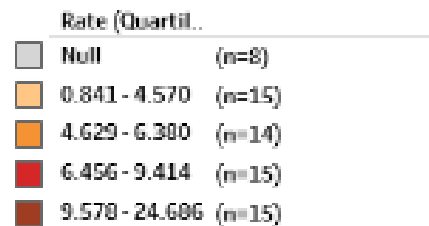
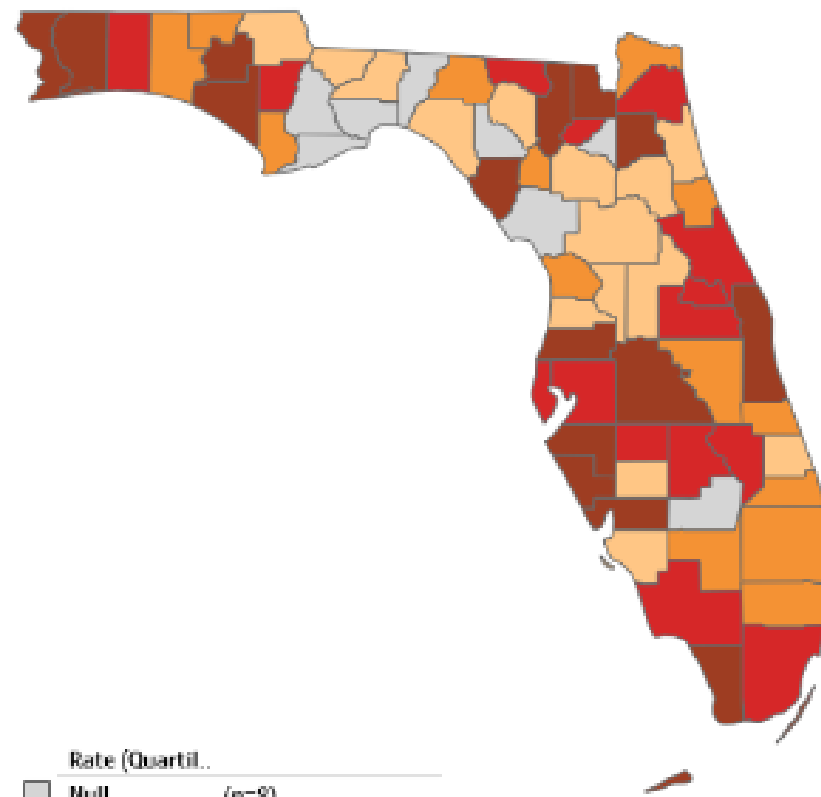


Drug
Alprazolam

Year
2015



Alprazolam Related Deaths per 100,000 Population



Upcoming Projects

- Study of proactive reporting program and development of algorithm
- Case study on opioid-caused deaths

Questions?



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