



Prescription Drug Abuse in Southern Illinois

January 2017



Addressing Prescription Drug Abuse as a Public Health Problem

- Convening community group to address issue
- Comprehensive approach to problem from prevention to treatment
- Alignment with Regional Opioid Plan



Opioids and Heroin Overdoses

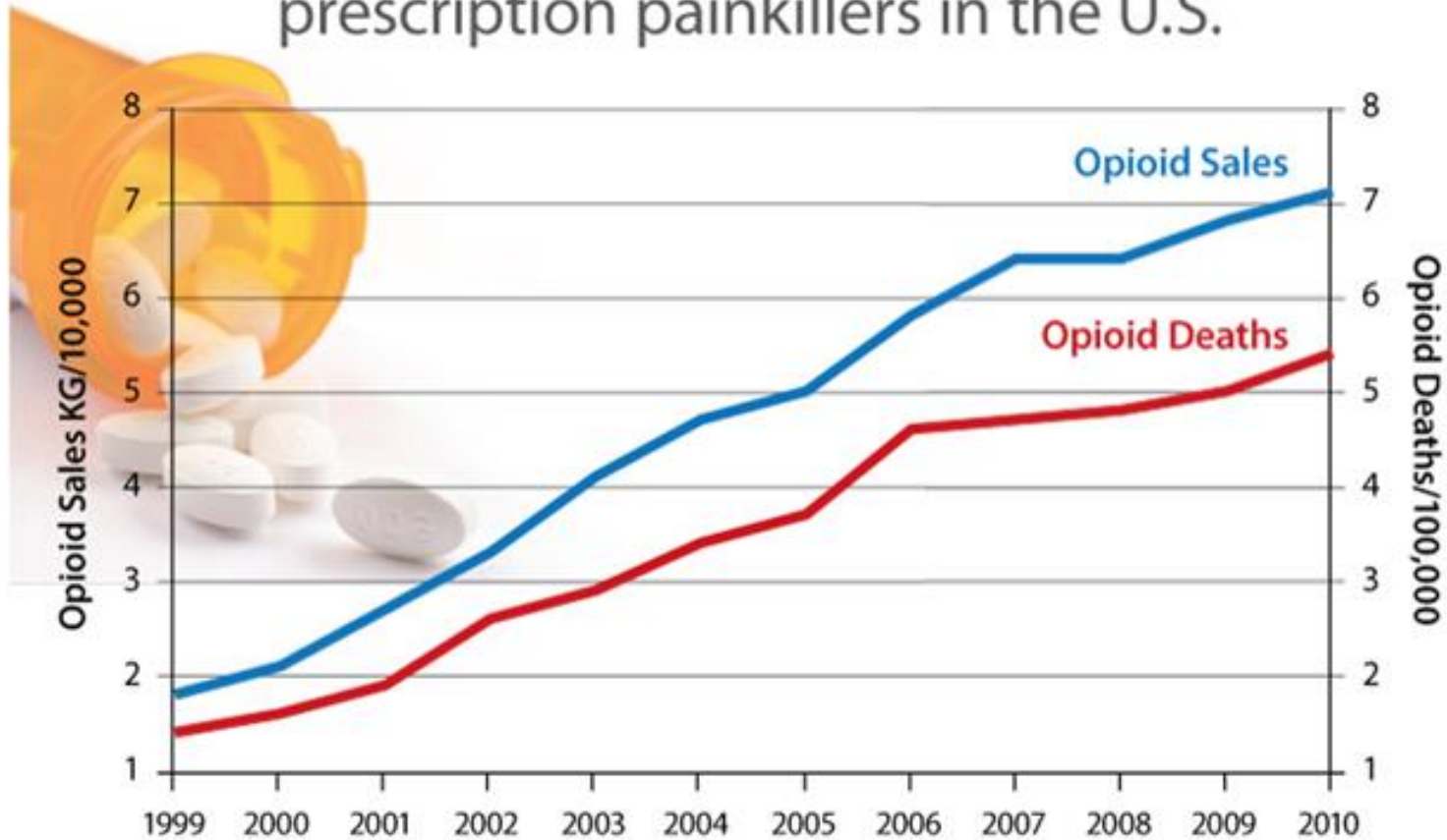
- Four of five (80%) heroin users started out misusing prescription painkillers
- Nearly 3 of 4 Rx overdoses are opioid pain relievers
- 1 in 16 people prescribed opioids after a sports injury or accident will become addicted



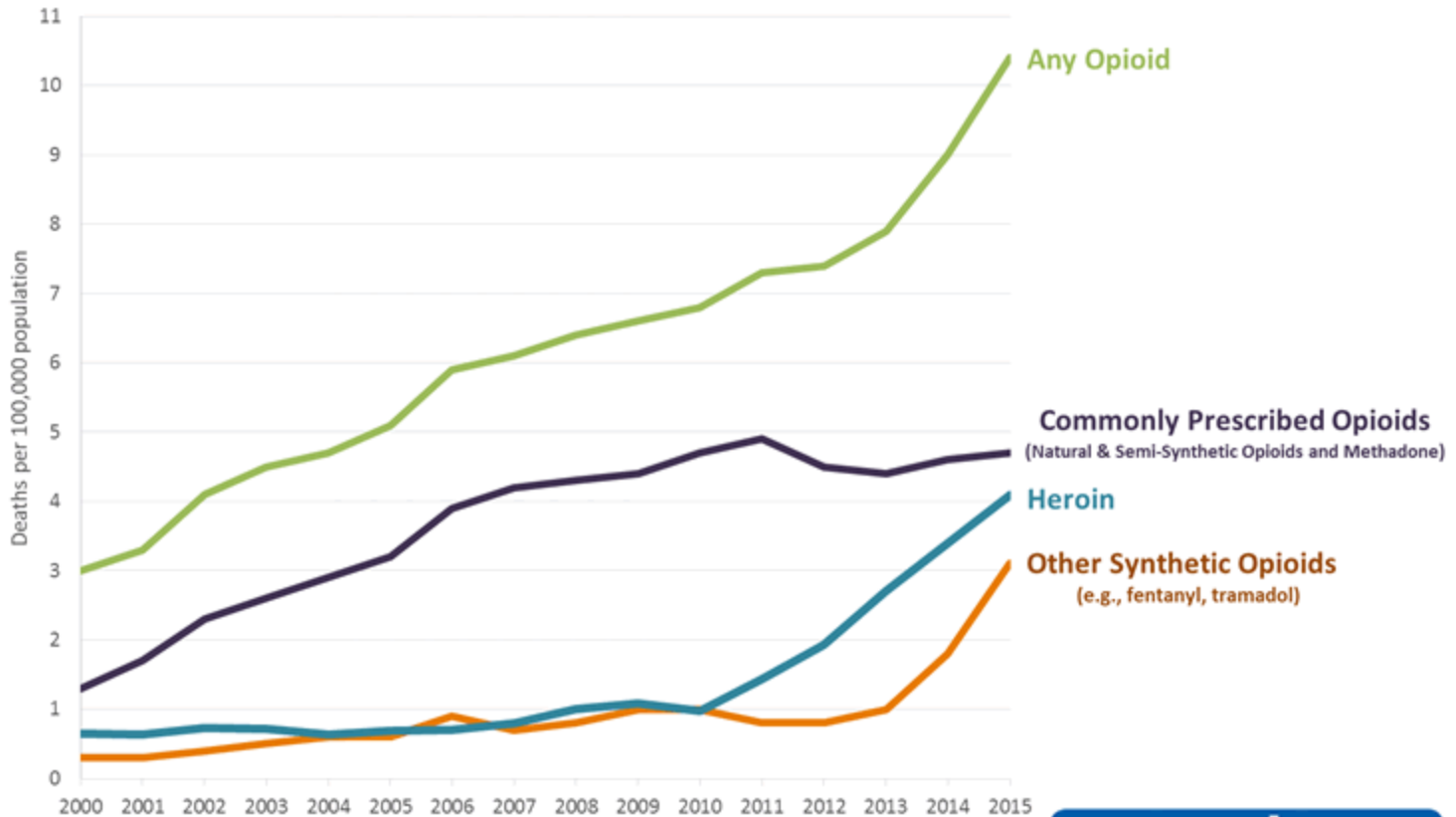
Opioid Overdose Crisis

- Since 1999, in the United States:
 - Opioid overdose deaths have increased 4X
 - Sales of Rx pain relievers have increased 4X
 - Substance Abuse treatment admissions increased 6X

Parallel trends in overdoses and sales for prescription painkillers in the U.S.



Overdose Deaths Involving Opioids, United States, 2000-2015



SOURCE: CDC/NCHS, National Vital Statistics System, Mortality. CDC WONDER, Atlanta, GA: US Department of Health and Human Services, CDC; 2016. <https://wonder.cdc.gov/>.

www.cdc.gov
Your Source for Credible Health Information

In the United States,
For every **1** death there are...



10 treatment admissions for abuse⁹

32 emergency dept visits for misuse or abuse⁶

130 people who abuse
or are dependent⁷

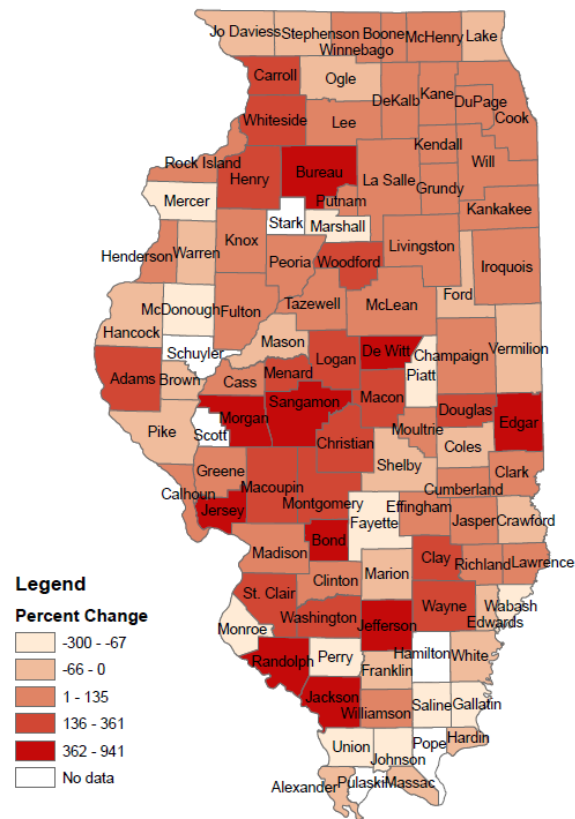
825
nonmedical
users⁷

	Drug Overdose Deaths			Rx Opioid Pain Relievers, Opioids or Heroin-related Drug Overdose Deaths		
	2013	2014	2015	2013	2014	2015
Alexander	0	1	0	0	0	0
Franklin	6	13	11	6	12	8
Gallatin	1	3	0	2	2	0
Hamilton	3	0	0	0	0	0
Hardin	2	0	0	2	0	0
Jackson	9	10	9	8	9	12
Johnson	1	4	0	0	4	0
Massac	4	2	1	4	2	0
Perry	3	5	2	2	4	0
Pope	2	2	1	0	0	0
Pulaski	1	1	0	0	0	0
Randolph	6	7	6	7	11	11
Saline	6	7	5	4	4	0
Union	4	2	0	4	2	0
Wayne	2	2	3	2	0	4
White	2	1	0	2	2	0
Williamson	10	17	8	2	18	8
17 county totals	62	77	46	45	70	43



Local Data

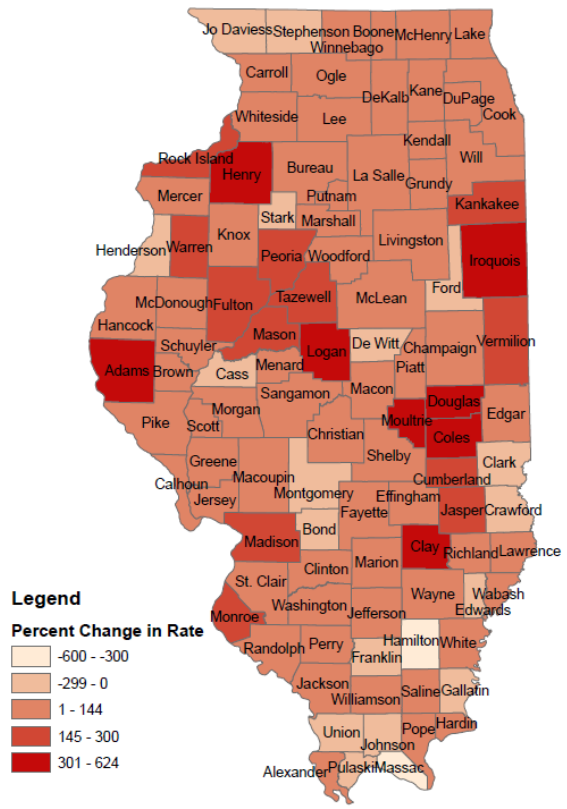
Percentage Change in Opioid Overdose Related Crude Mortality Rate (per 100,000 population) 2015 Relative to 2010, Illinois





Local Data

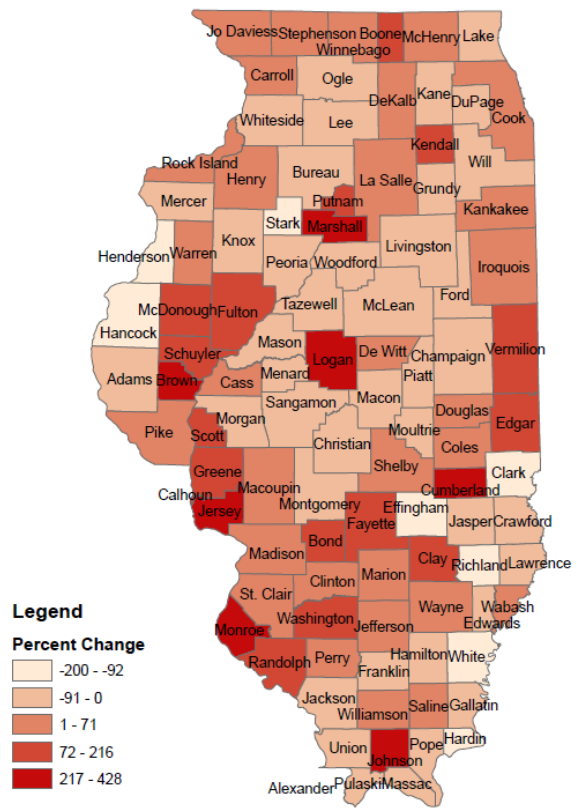
Percentage Change in Rate of ED Visits for Opioid Overdose (per 10,000 population), 2015 relative to 2010, Illinois





Local Data

Percentage Change in Rate of Hospitalizations for Opioid Overdose (per 10,000 population) 2015 Relative to 2010, Illinois





Population Health Driver Diagram for Combating the Opioid and Heroin Crises (Draft)

AIM STATEMENT

Utilize Community Coalitions to Combat the Opioid and Heroin Crises

Goals

- Improve prescribing practices
- Prevent overdoses
- Adequately and safely treat pain
- Reduce accidental overdoses
- Decrease use of Opioids and addiction
- Increase community engagement
- Decrease infectious disease
- Improved rehabilitation
- Reduce deaths from overdose

PRIMARY DRIVERS

Education for knowledge and awareness on appropriate use of pain medications

Use of Data

Appropriate use of prescribed opioids

Overdoses and Access to drugs

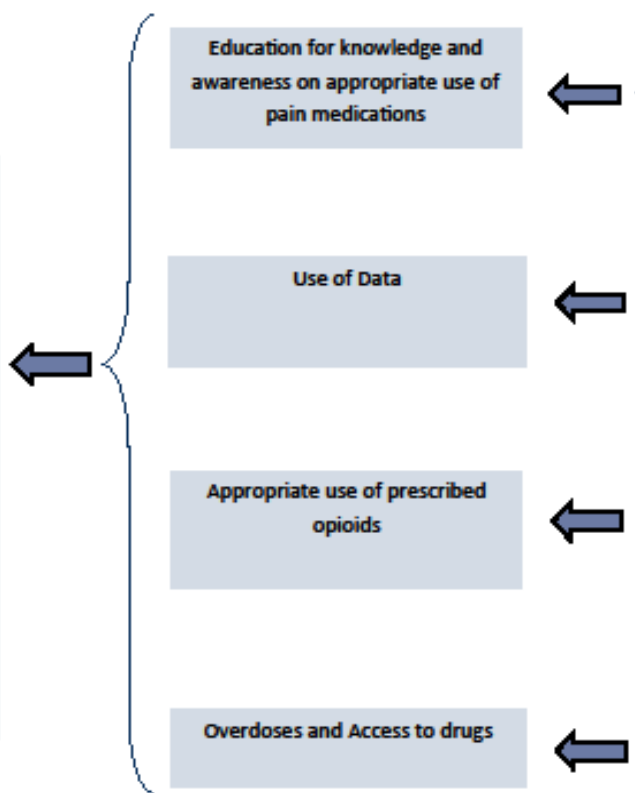
SECONDARY DRIVERS

- Community, schools, provider, first responders, NGO's, faith based organizations education
- Educate user on tapering of use
- Use Train the Trainer approach
- Education on resource availability
- More drug courts

- Monitoring and surveillance
- Registries
- Rx drug monitoring -
- Mapping pain/overdose deaths
- Illegal drug usage

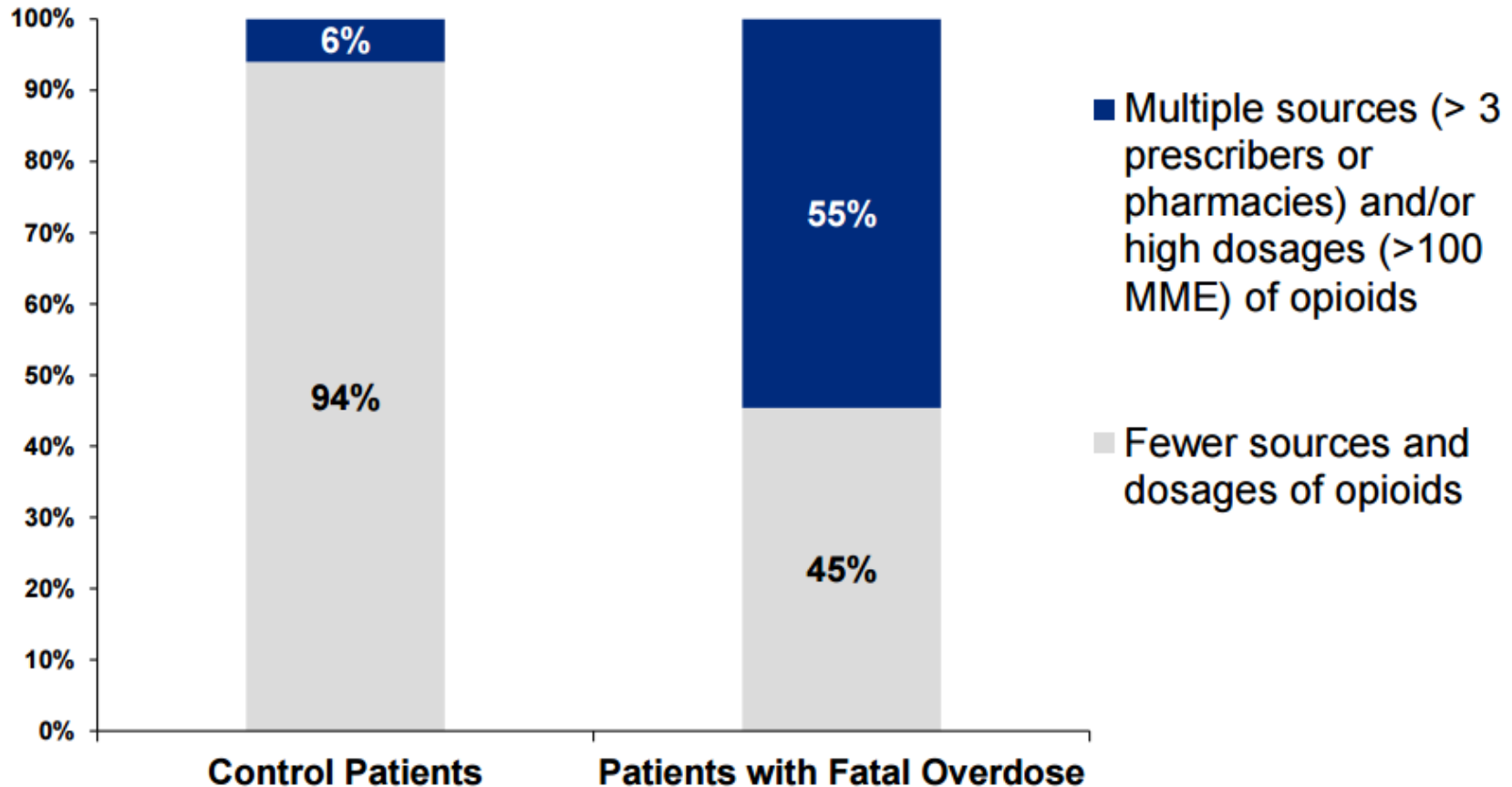
- Access to Appropriate treatment and treatment options
- Drug "Take Back" Programs – understand legal issues
- Partner with law enforcement
- Ensure re-imburement of non-Rx pain treatments
- Improve policy and legislation
- Rx protocols
- Medication management

- Wide spread distribution of Narcan to first responders
- Reduce illegal availability of drugs
- Improved treatment and counseling
- Destigmatize addiction
- Improve mental health care



This draft population health driver diagram was developed during a PHF workshop at the 2016 Practical Playbook National Meeting. During the workshop, physicians, health department officials, hospital administrators, and other professionals worked in small groups and collectively to identify key drivers to address the goal of confronting opioid and heroin use in communities.

Most prescription opioid overdose deaths involve multiple sources and/or high dosages

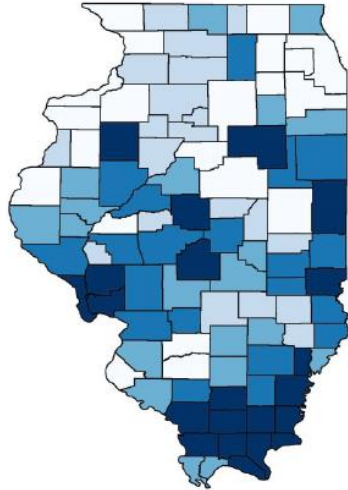




What is driving prescription drug abuse?

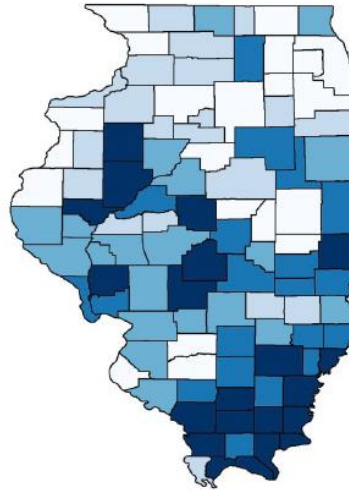
- Some problematic prescription patterns
 - Large number of prescriptions
 - High dose of prescriptions
 - Overlapping opioid prescriptions

Number of Patients (per 100,000) on a Prescription Opioid



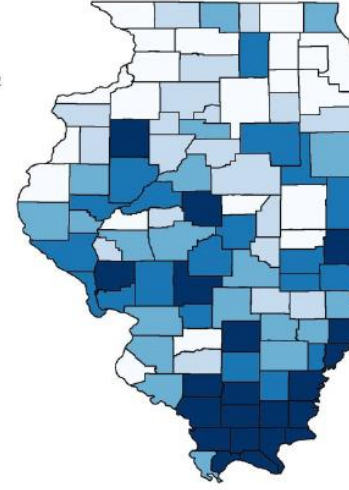
Legend
 OpioidPrescriptions 2011
 illinois_county_outlines

3989 - 5370
5370 - 6186
6186 - 7327
7327 - 8501
8501 - 22623



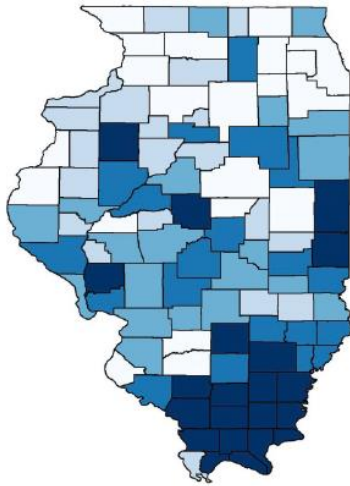
Legend
 OpioidPrescriptions 2012
 illinois_county_outlines

4948 - 7456
7456 - 9050
9050 - 10558
10558 - 11968
11968 - 23534



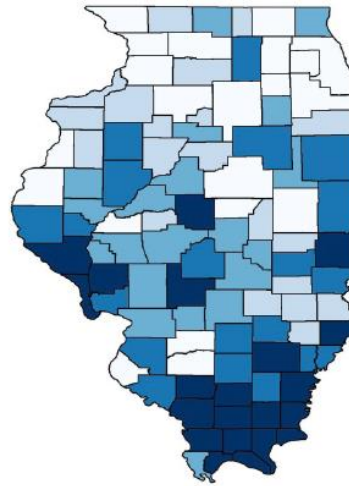
Legend
 OpioidPrescriptions 2013
 illinois_county_outlines

4994 - 7321
7321 - 9058
9058 - 10471
10471 - 11943
11943 - 19927



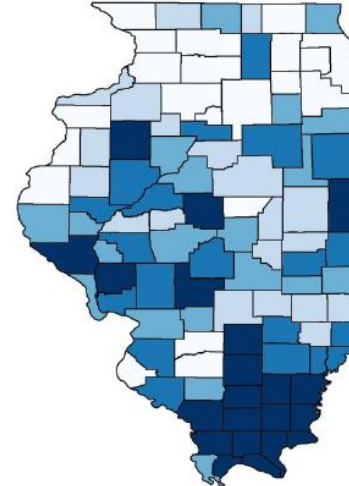
Legend
 OpioidPrescriptions 2014
 illinois_county_outlines

4930 - 7219
7219 - 8791
8791 - 10010
10010 - 11201
11201 - 22587



Legend
 OpioidPrescriptions 2015
 illinois_county_outlines

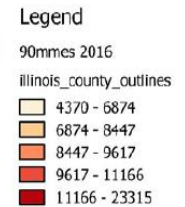
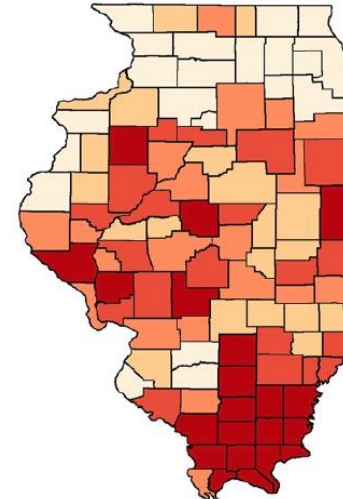
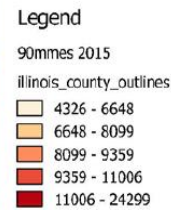
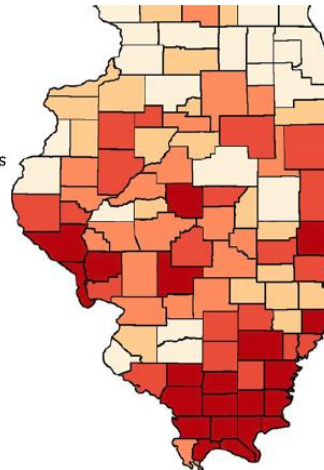
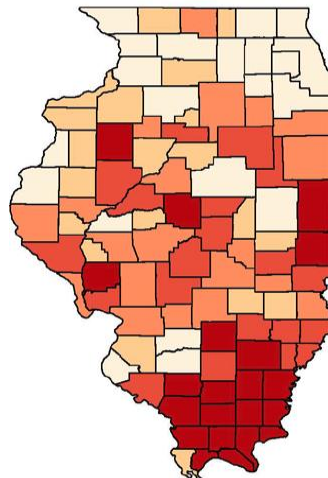
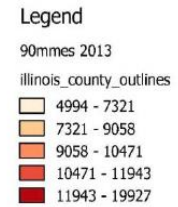
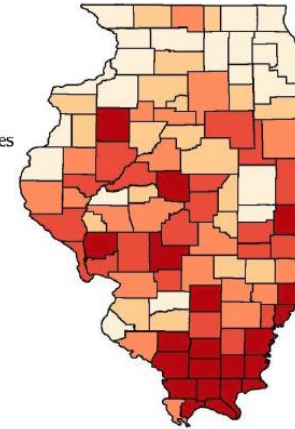
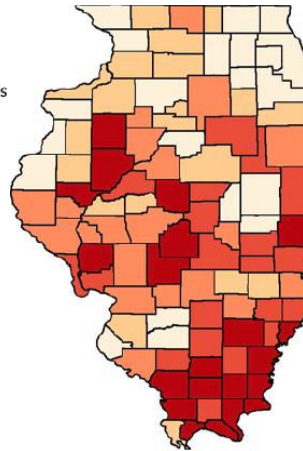
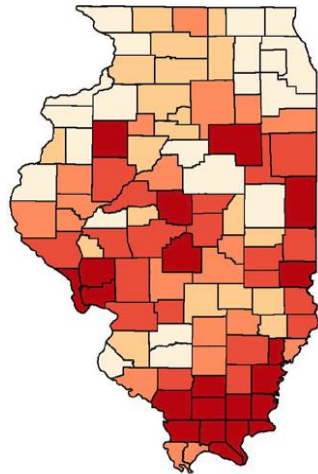
4326 - 6648
6648 - 8099
8099 - 9359
9359 - 11006
11006 - 24299



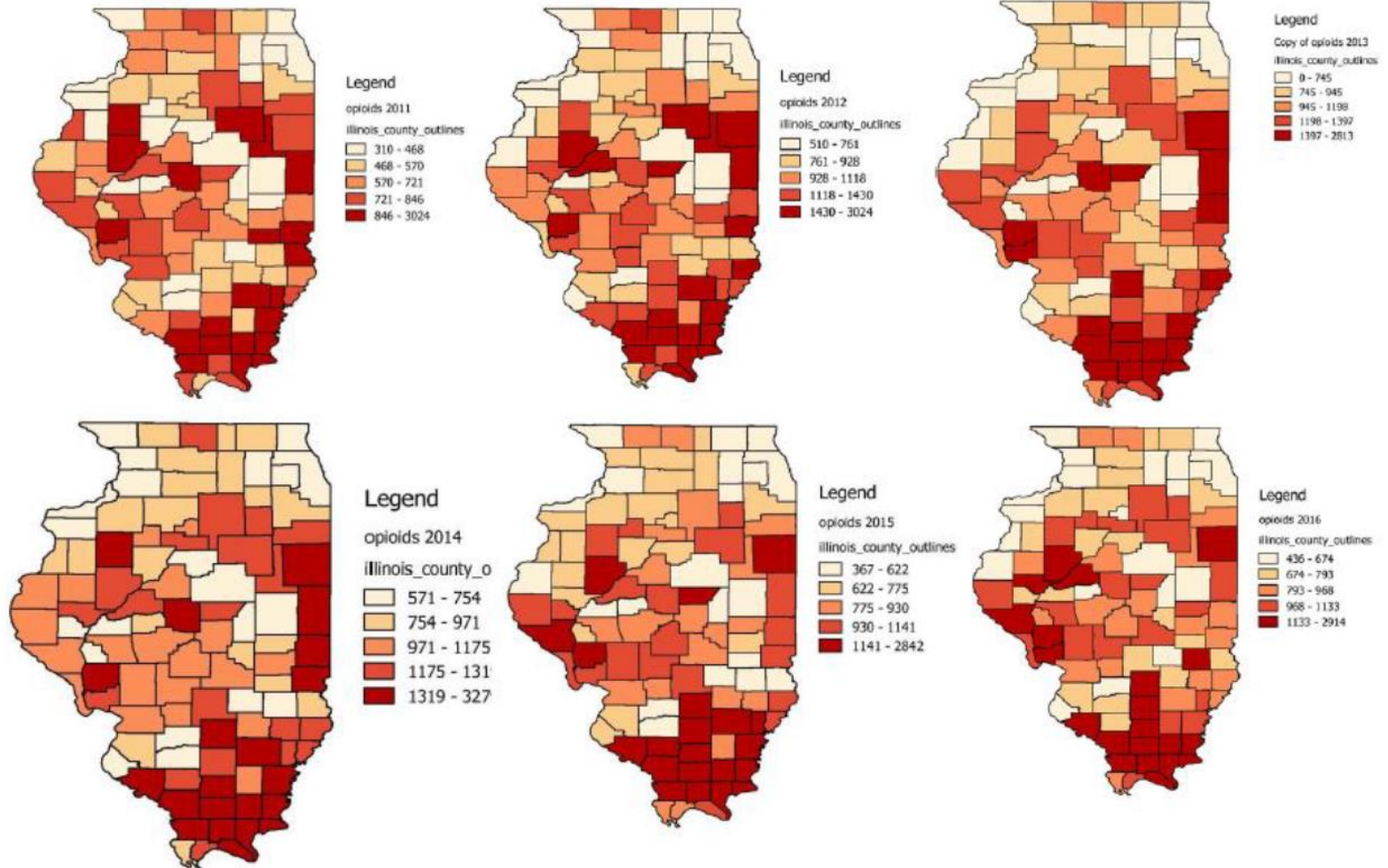
Legend
 OpioidPrescriptions 2016
 illinois_county_outlines

4370 - 6874
6874 - 8447
8447 - 9617
9617 - 11166
11166 - 23315

Number of Patients (per 100,000) receiving more than a 90 Milligrams of Morphine Equivalent (MME) of Opioids per day



Number of Patients (per 100,000) Receiving Overlapping Opioid Prescriptions





Southern Illinois Counties

- Lead the state in problematic prescription patterns
 - Large number of prescriptions
 - High dose of prescriptions
 - Overlapping opioid prescriptions



What can be done?

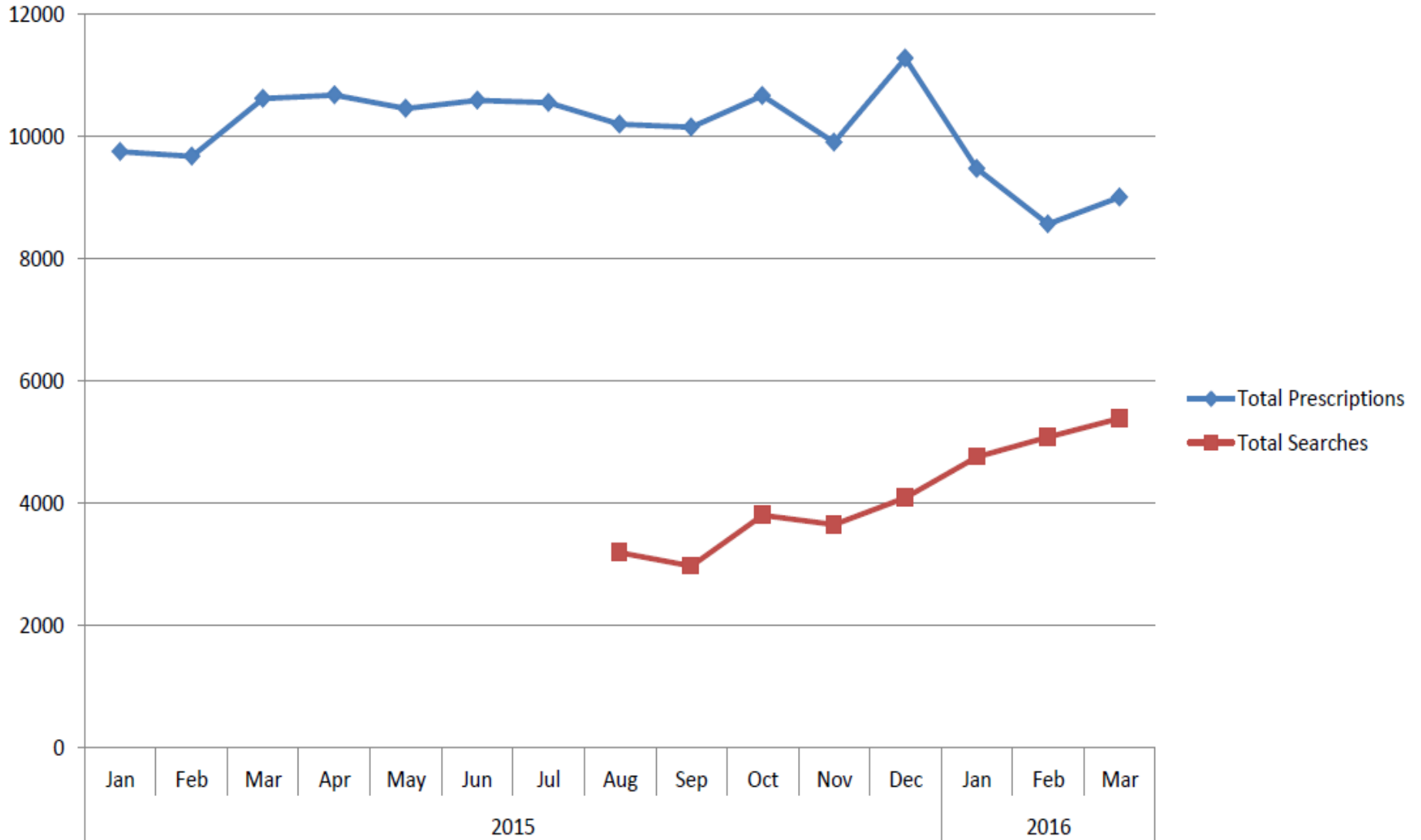
- Increase use of prescription monitoring program
 - Percent of Illinois prescribers who use PMP
 - 2015 Statewide = 13.2%
 - 2016 Statewide = 32%
- Overcoming barriers by embedding in EHR
- Promote and support PMP use



Benefits of Automated Connection

- Log in by any designee, not just providers
- Link embedded into EHR and no log in to PMP system
- Instant results
- Saves time
- Improves patient quality

Automated Connection Multi-Clinic System in Illinois





Moving Forward...

- What can we do to address the many drivers of opioid overdose deaths?
- How can we strengthen the community's engagement and response to this crisis?
- How can PMP use be promoted and supported?