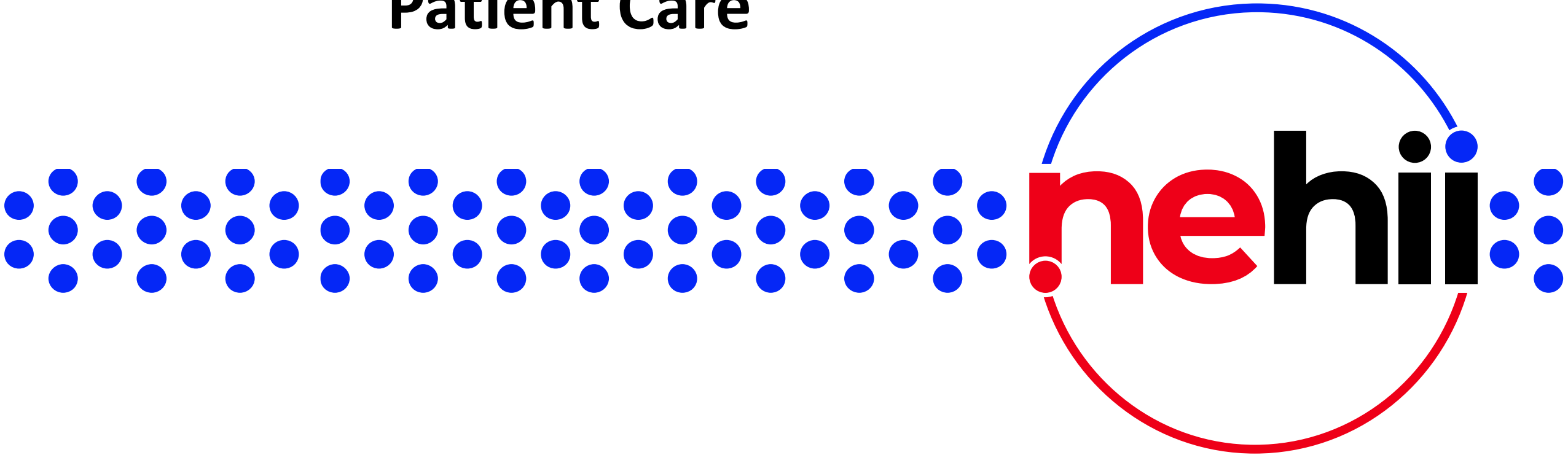


Nebraska's PDMP Improving Patient Care



Kevin C. Borchert, PharmD
Sr. Director, Pharmacy Services
PDMP Program Director
NEHII, Inc.

January 21, 2021



Disclosure

I have no financial interest or actual or potential conflict of interest in relation to this program/presentation.

Objectives

01

Describe the use of
the Nebraska PDMP

02

Demonstrate
benefits of
medication
reconciliation with
use of the PDMP

03

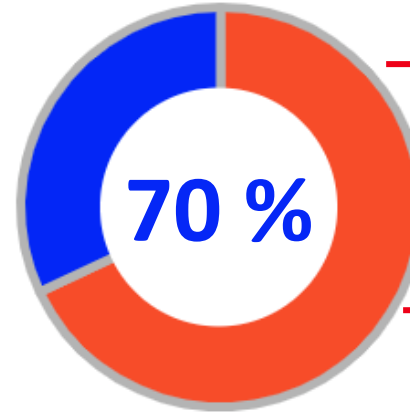
Demonstrate
benefits of
medication
reconciliation with
use of the PDMP

Opioid crisis: Nationwide

67,367

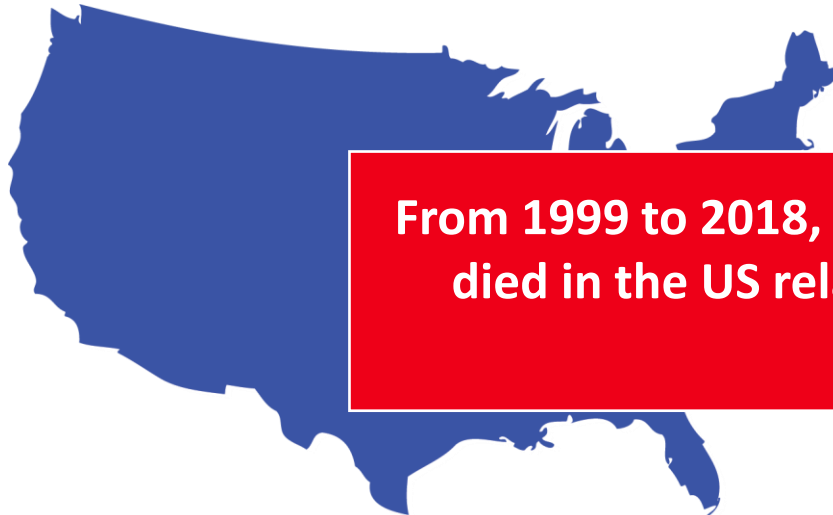
Number of drug overdose deaths in the U.S. in 2018

4.1% DECREASE FROM 2017



Percentage of drug overdose deaths attributed to opioids

2% DECREASE FROM 2017



From 1999 to 2018, over 446K people died in the US related to opioids

5X

Overdose deaths involving prescription opioids were five times higher in 2017 than in 1999

Opioid crisis

Opioid abuse is a serious public health issue. Drug overdose deaths are the leading cause of injury death in the United States.¹

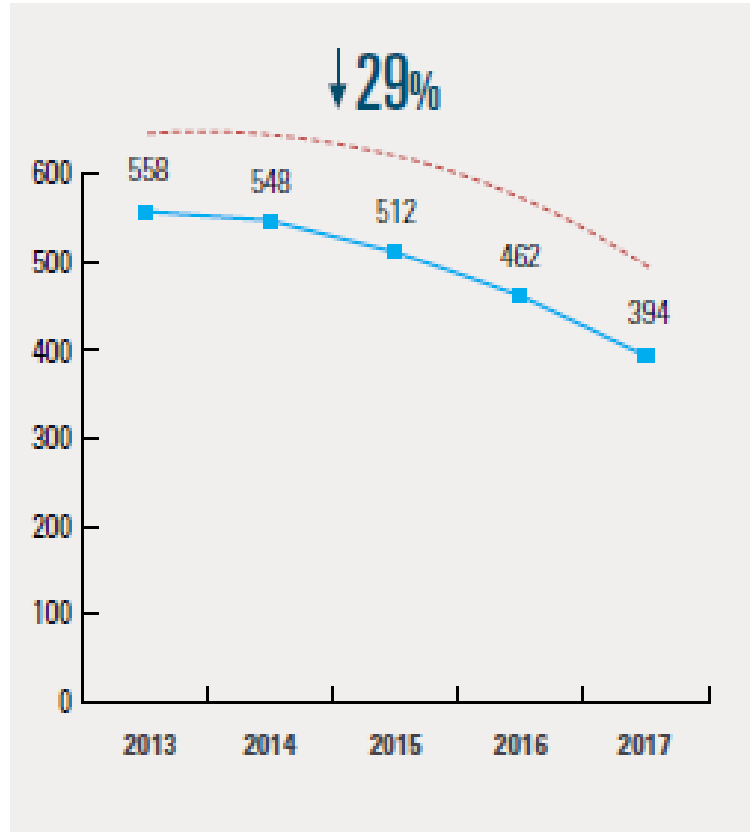
State ²	Percent of members who filled at least one opioid prescription in 2015	Percent of members who were on a long duration opioid regimen in 2015	Opioid use disorder diagnoses in 2016 (per 1,000 members)	Percent of members with opioid use disorder who received medication-assisted treatment in 2016
National Average	21.4%	3.8%	8.3	37%
NE	17.8%	2.8%	2.4	56%
KS	19.0%	3.4%	4.2	38%
ND	17.5%	2.5%	3.8	45%
SD	15.8%	2.4%	3.0	27%

¹<https://www.HHS.gov/opioids/about-the-epidemic>

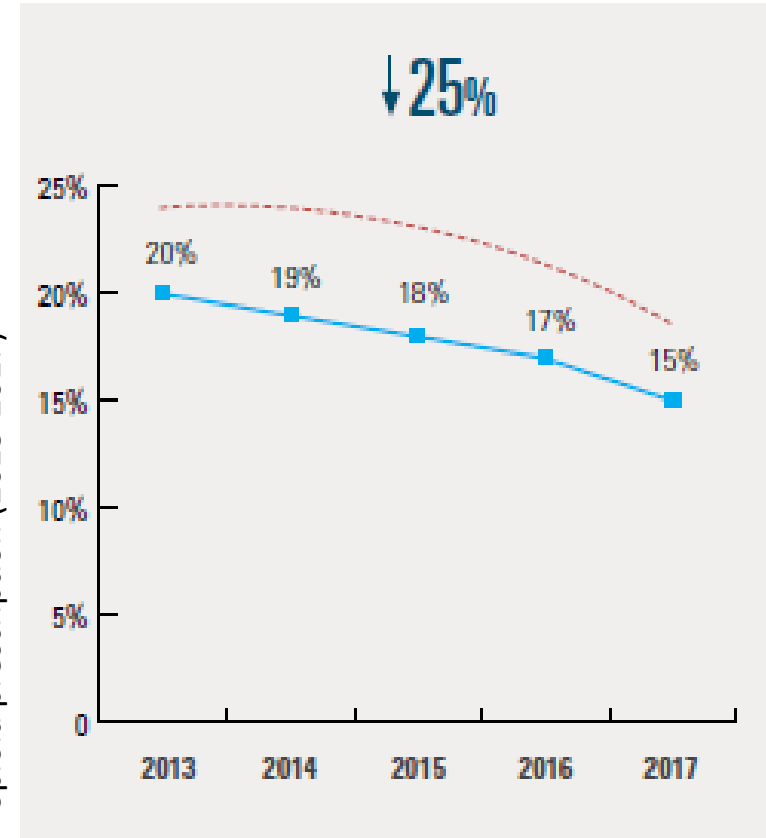
²America's Opioid Epidemic and its Effect on the Nation's Commercially-Insured Population. BCBS. June 29, 2017

Decreasing opioid prescriptions

Total opioid prescriptions filled per 1,000 BCBS members (2013-2017)



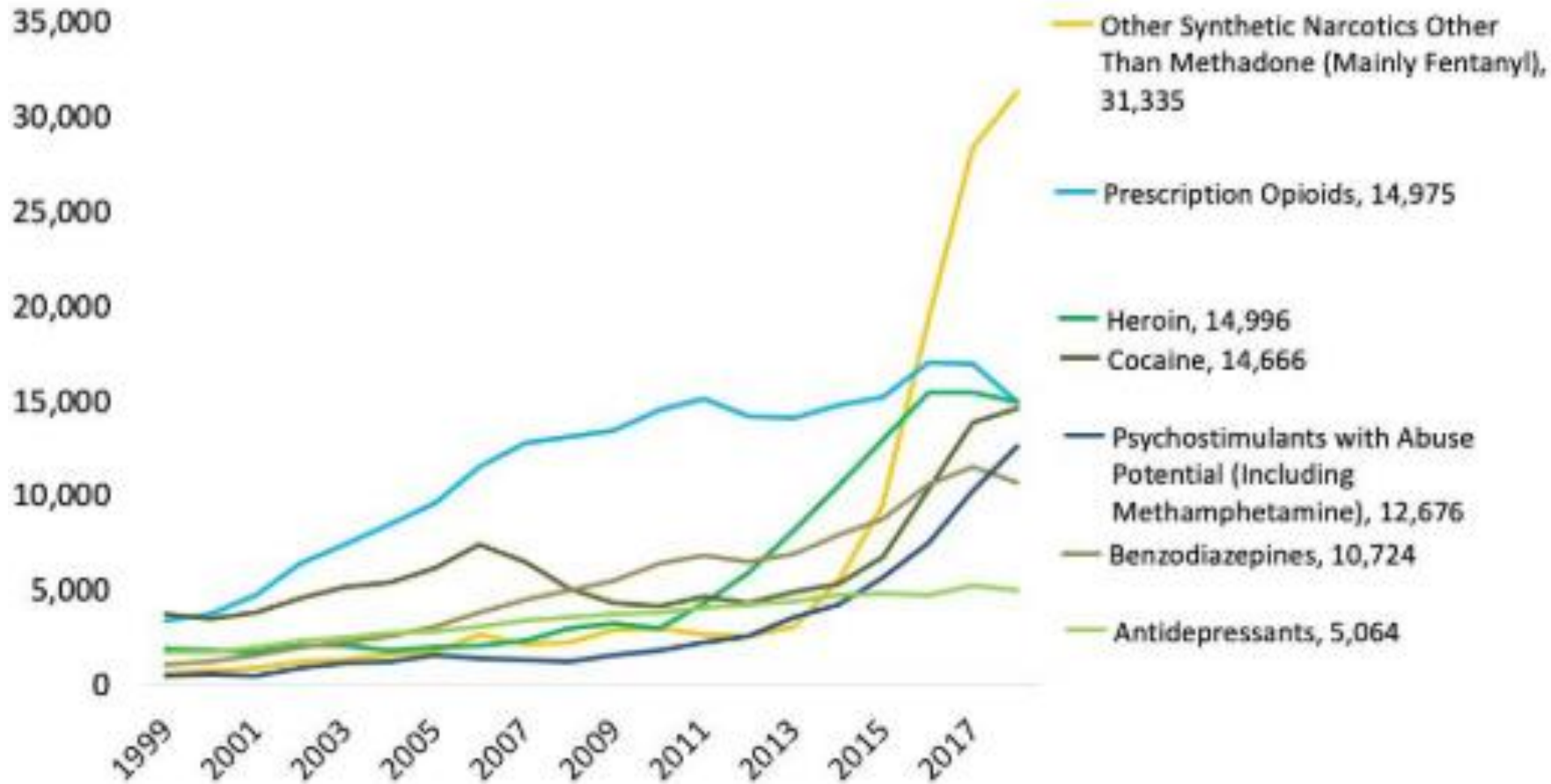
Percent of BCBS members who filled at least one opioid prescription (2013-2017)



Opioid prescriptions

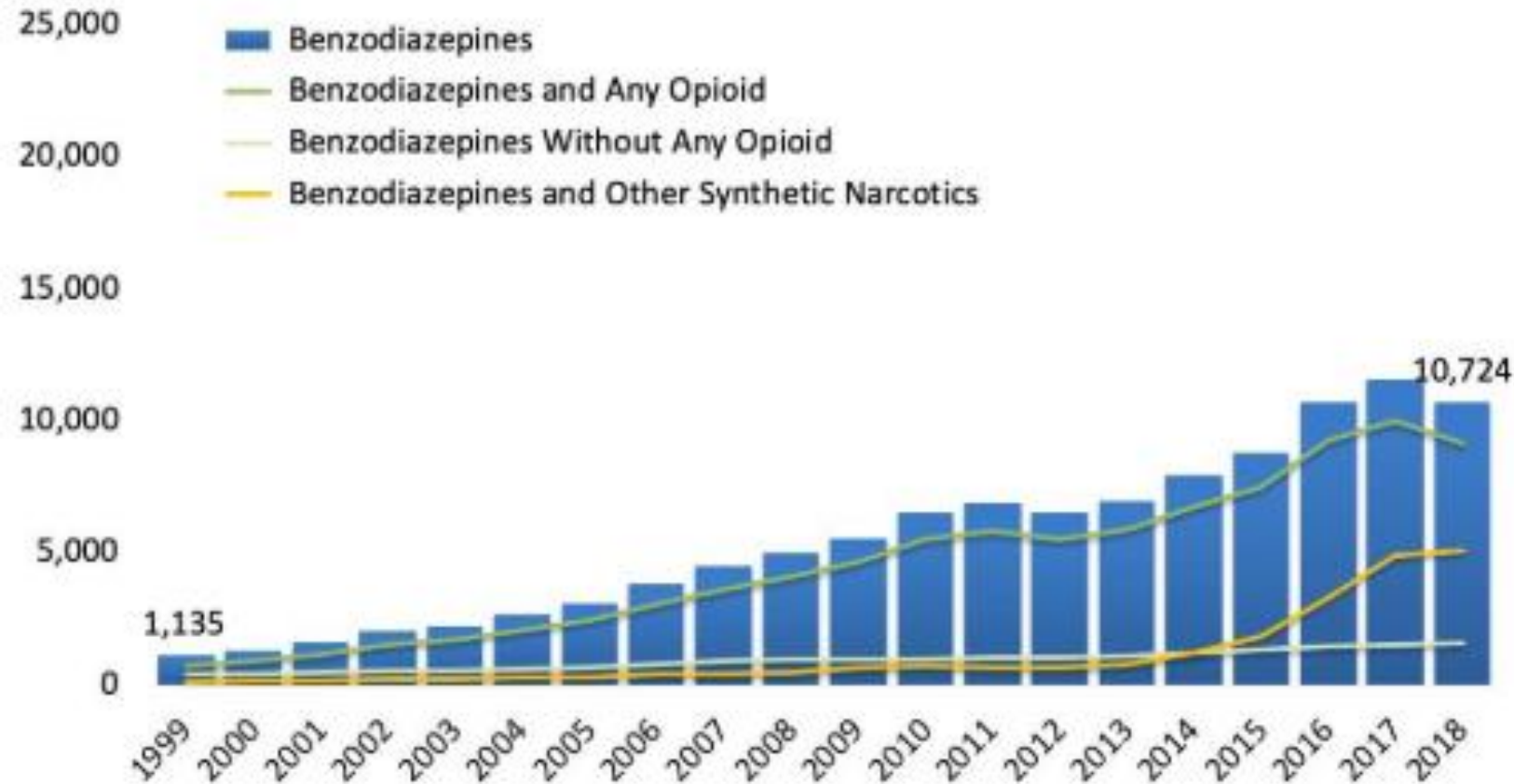
State	Opioid prescriptions per 1,000 BCBS members, 2013	Opioid prescriptions per 1,000 BCBS members, 2017	Percent change in opioid prescriptions per 1,000 BCBS members, 2013-2017	Opioid use disorder diagnosis per 1,000 BCBS members, 2017
National Average	558	394	-29%	5.9
NE	480	364	-24%	2.2
IA	511	357	-30%	3.0
KS	532	452	-15%	3.3
SD	498	336	-33%	2.2

National Drug Overdose Deaths Number Among All Ages, 1999-2018



Source: : Centers for Disease Control and Prevention, National Center for Health Statistics. Multiple Cause of Death 1999-2018 on CDC WONDER Online Database, released January, 2019

National Drug Overdose Deaths Involving Benzodiazepines, by Opioid Involvement Number Among All Ages, 1999-2018



Source: Centers for Disease Control and Prevention, National Center for Health Statistics. Multiple Cause of Death 1999-2018 on CDC WONDER Online Database, released January, 2019

Combating the opioid crisis: Multi-faceted approach



Prevention



Education



Treatment/
recovery



Identification/
monitoring

Combating the opioid crisis: Multi-faceted approach



Prevention

Drug Takeback Programs



**Combating the opioid crisis:
Multi-faceted approach**



Education

Education

Opioids
101

Combating the opioid crisis:
Multi-faceted approach



Treatment/
recovery

Treatment/Recovery - Naloxone

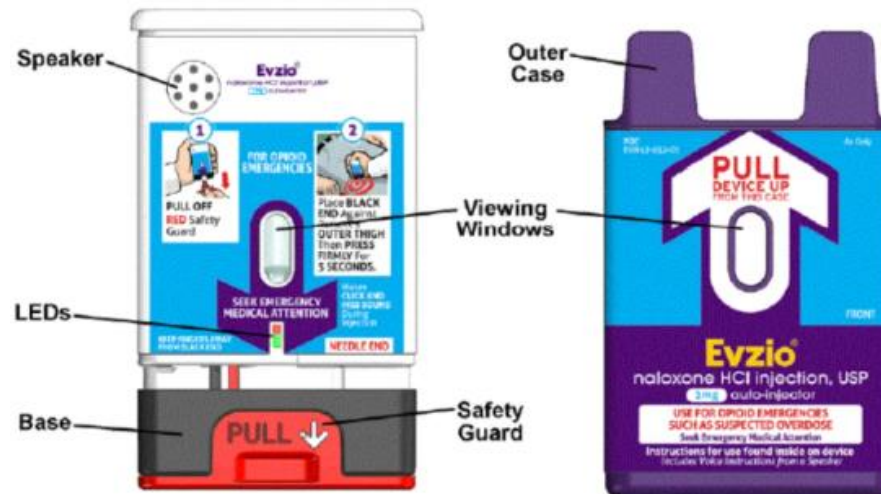
Syringe

\$



Evzio Auto-Injector

\$\$\$\$\$



Nasal Spray

\$\$



Combating the opioid crisis:
Multi-faceted approach

Identification/
monitoring



WHAT IS A PDMP?

A Prescription Drug Monitoring Program (PDMP) is an electronic database that tracks controlled substance prescriptions in a state.

Nebraska's PDMP

- Prevents the misuse of controlled substances that are prescribed – includes all dispensed prescriptions (controlled and non-controlled)
- Solidifies the state of Nebraska's position on the cutting edge of medical information technology
- Allows prescribers and dispensers (doctors and pharmacists) to monitor the care and treatment of patients to ensure prescription drugs are used for medically-appropriate purposes



PDMP

Highlights

- Dispensers must submit data
- All dispensed drugs reported on at least a daily basis
- Providers and pharmacists can:
 - Access PDMP patient reports
 - Authorize delegates
- Alignment with federal policy (SUPPORT Act)
- Patient safety tool

Functionality

- Improved patient matching
- Delegate management
- Enhanced reporting
- Share PDMP data with other states
- Clinical workflow integration

NEBRASKA

Good Life. Great Mission.

DEPT. OF HEALTH AND HUMAN SERVICES

Operated by
Nebraska DHHS



Use NEHII,
HIE platform

Who Reports information to PDMPs?



Pharmacies

In-state

Mail order

Nebraska VA



Physicians

Dispensing Practitioner Pharmacy License

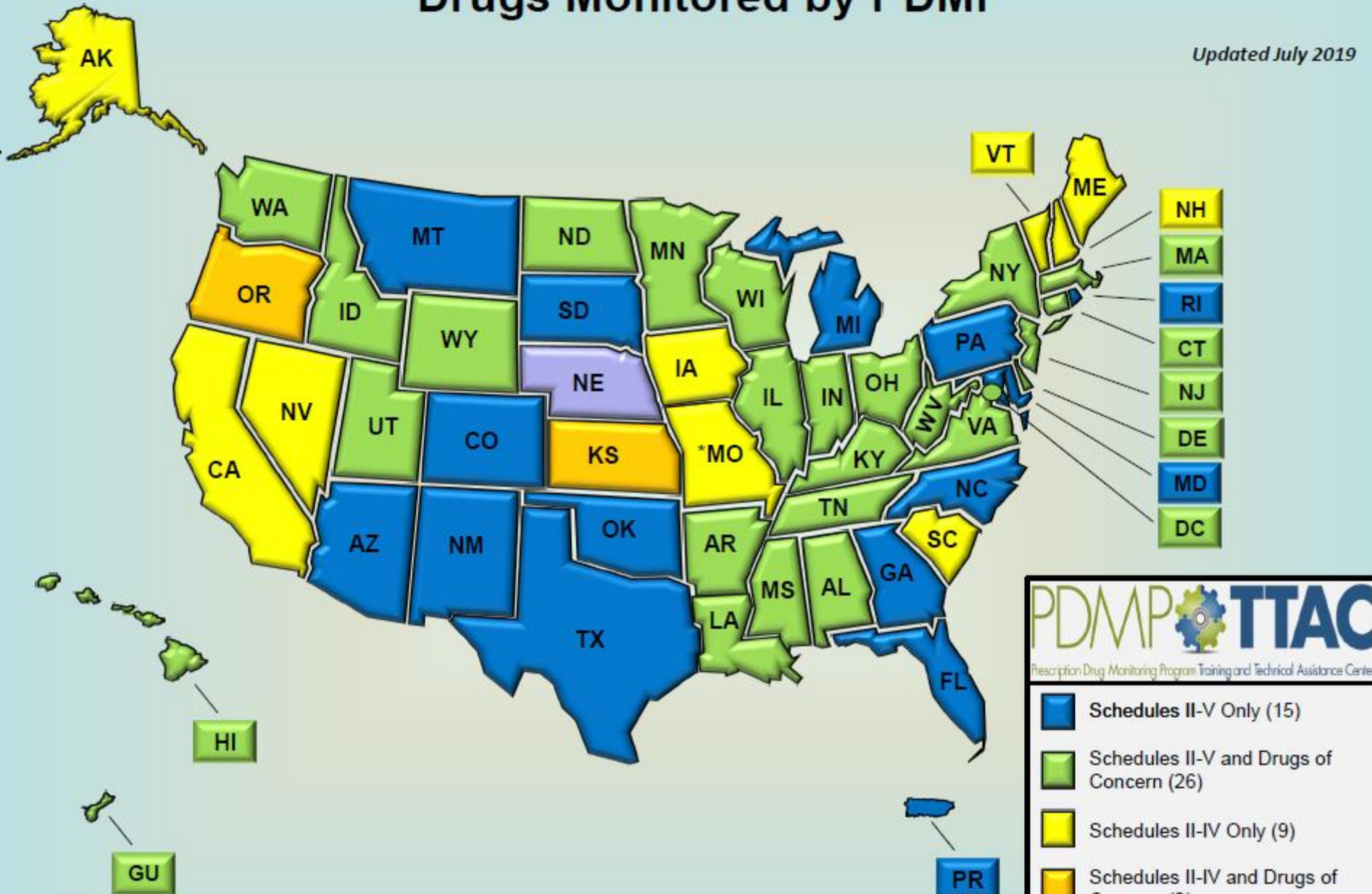


Veterinarians

Controlled substances only

Drugs Monitored by PDMP

Updated July 2019

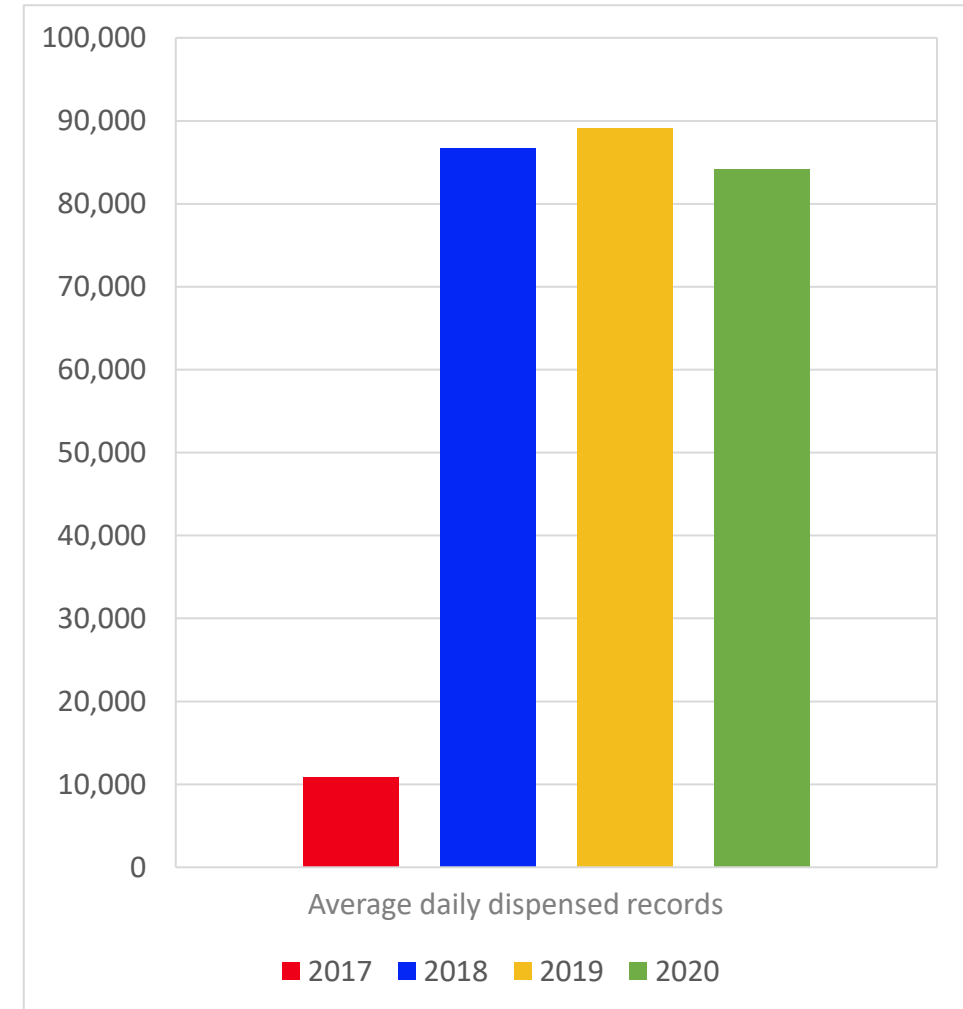
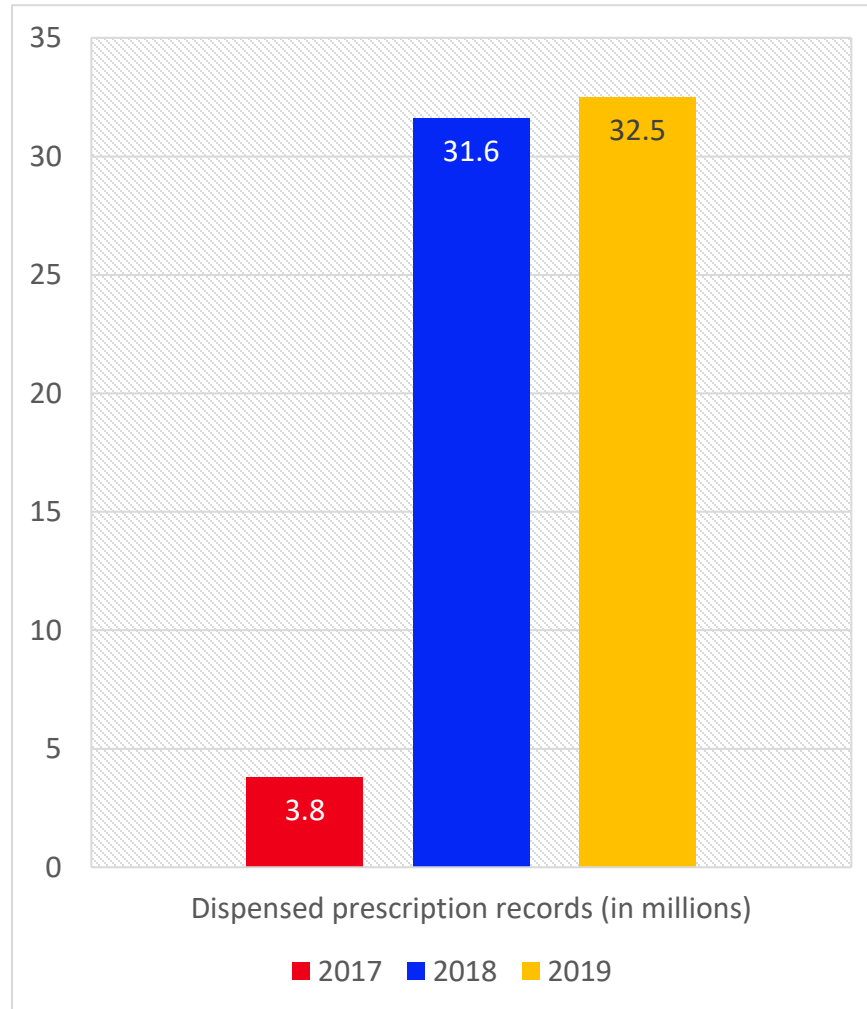


* Missouri has not enacted state legislation to establish a PDMP

PDMP TTAC
Prescription Drug Monitoring Program Training and Technical Assistance Center

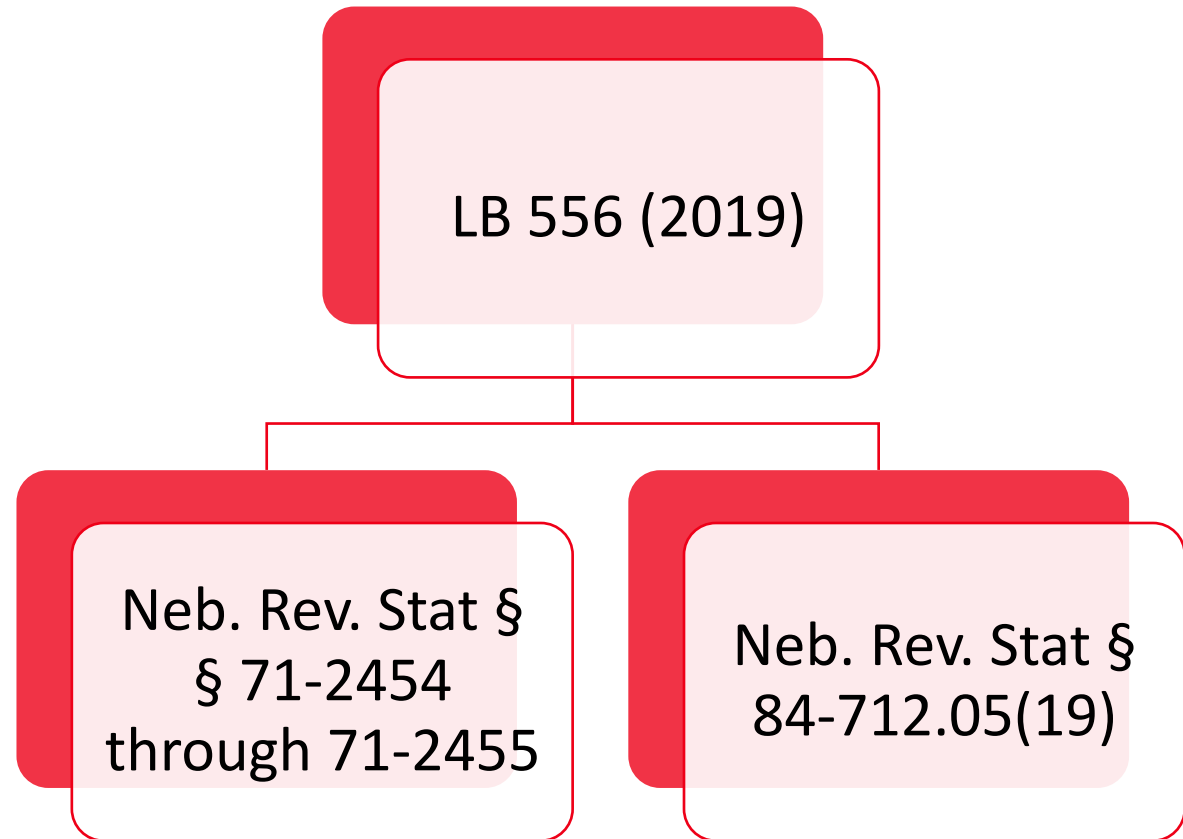
- Schedules II-V Only (15)
- Schedules II-V and Drugs of Concern (26)
- Schedules II-IV Only (9)
- Schedules II-IV and Drugs of Concern (2)
- All Prescription Drugs (1)

By the numbers: Prescriptions



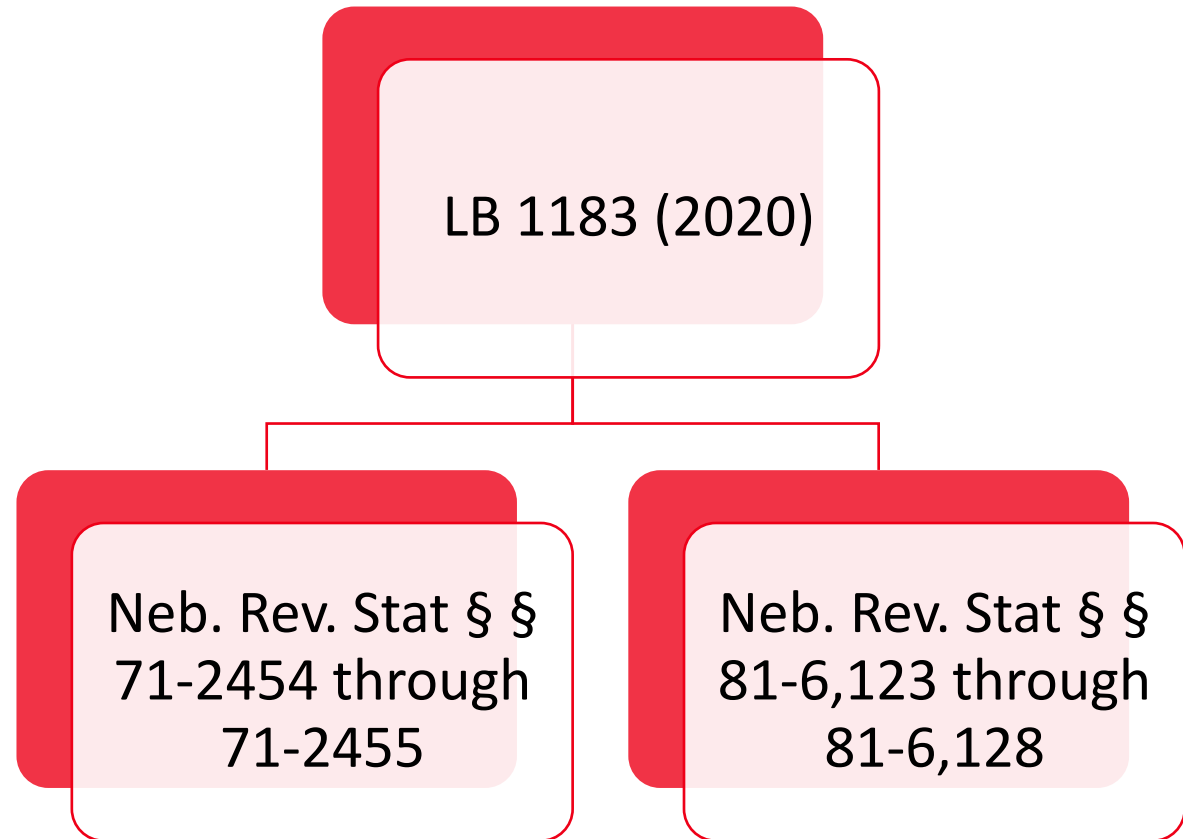
State legislation

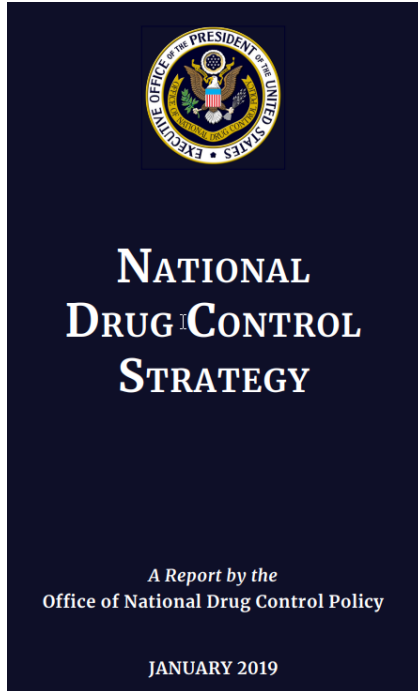
- Interstate data sharing
- Workflow integration
- Data use



State legislation

- More frequent reporting
- Report when the Rx was sold/picked up by patient
- Data use
- Health IT Board





Federal policy/regulation

Substance
Use-Disorder
Prevention that
Promotes
Opioid
Recovery and
Treatment

SUPPORT for Patients and Communities Act



SUPPORT Act and PDMPs



Sec. 2003: Every prescription conveyed securely (EPCS)



Sec. 3201: Medication-assisted treatment



Sec. 5042: Medicaid PARTNERSHIP Act



Electronic prescribing

- Electronic Prescribing of Controlled Substances (EPCS)
- All prescriptions
- EHR
- Mobile



Real-time PDMP reporting

- Oklahoma model: every five minutes



Interstate Data Sharing

- Share data with contiguous states
- Currently sharing with 14 states
- Increasing over time
- Controlled substances



Workflow Integration

- EHR
- Reduce provider burden
- 1-click access
- Multiple methods

Checking PDMP

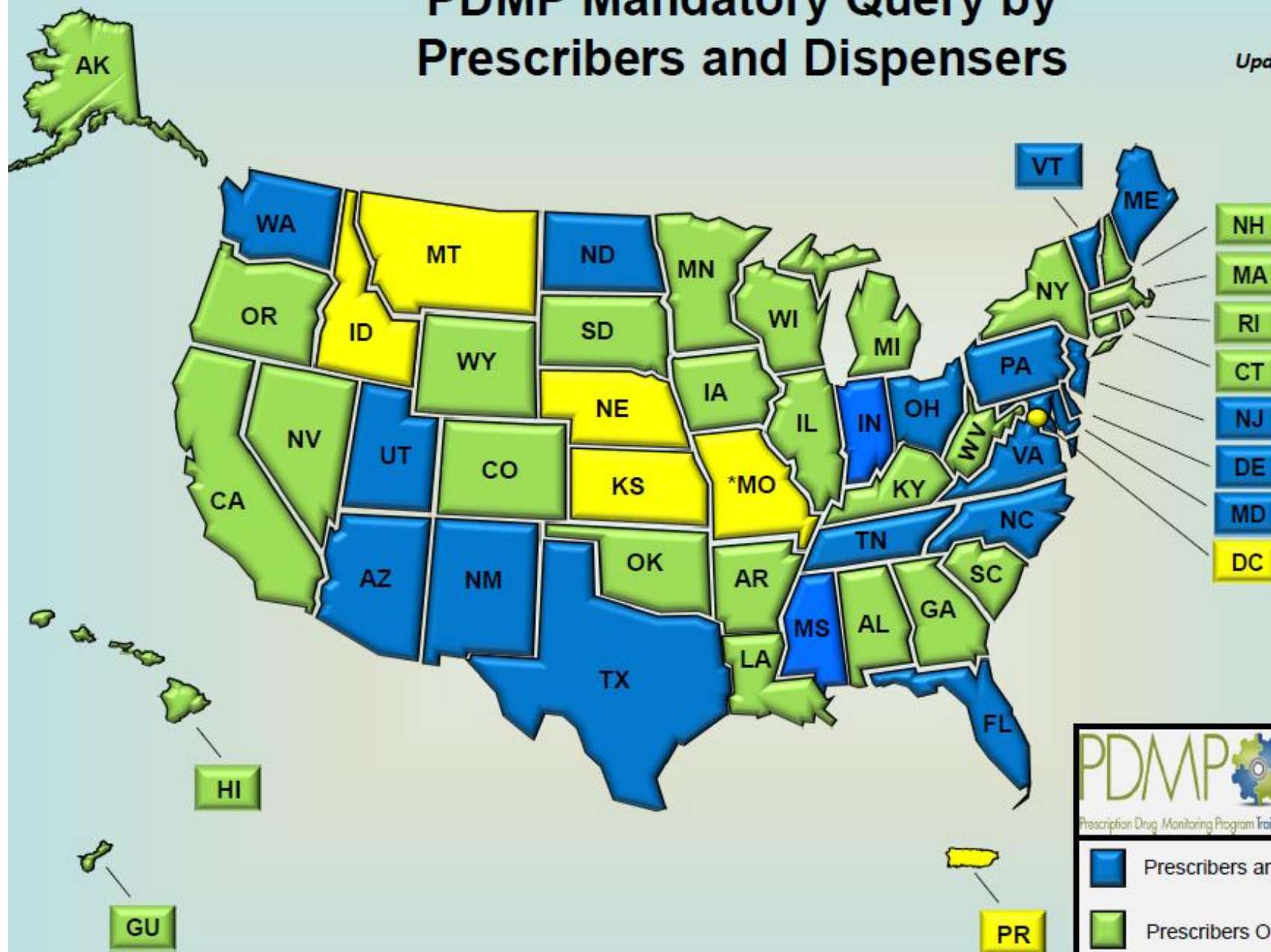
Beginning October 1, 2021, a State—

(1) shall require each covered provider to check, in accordance with such timing, manner, and form as specified by the State, the prescription drug history of a covered individual being treated by the covered provider through a qualified prescription drug monitoring program described in subsection (b) before prescribing to such individual a controlled substance



PDMP Mandatory Query by Prescribers and Dispensers

Updated August 2019

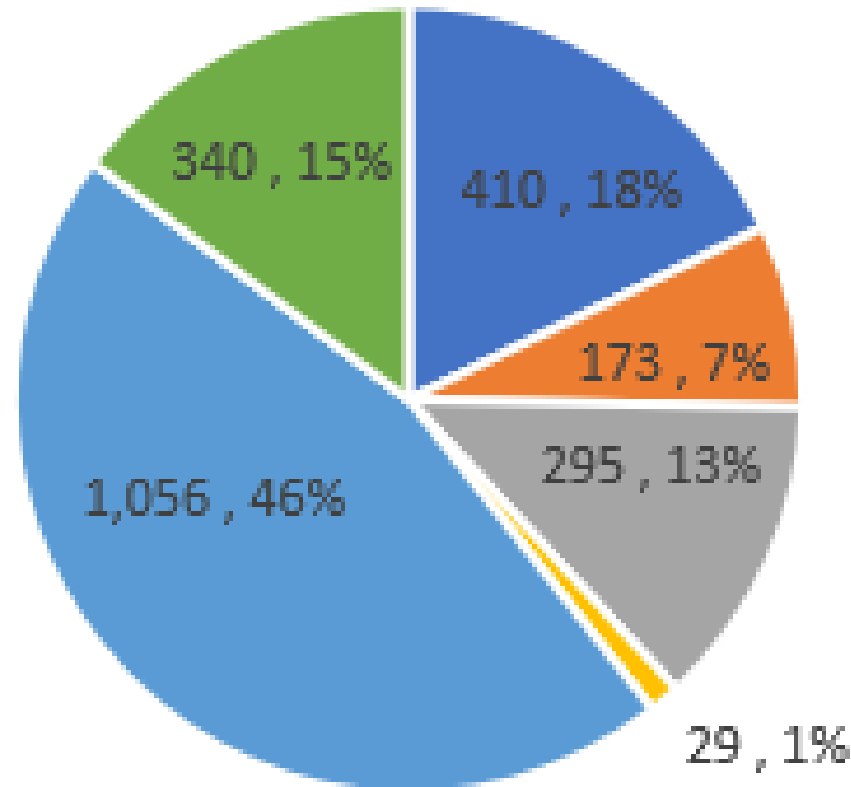


PDMP TTAC
Prescription Drug Monitoring Program Training and Technical Assistance Center

- Prescribers and Dispensers (19)
- Prescribers Only (27)
- No Mandatory Query (7)

* Missouri does not have a state-wide PDMP

Proportion of unique users querying PDMP by user type (Dec 2020)



■ MD ■ PA ■ APRN ■ DDS ■ RP ■ Delegate

Patient queries

Patient Query

Patient Query Query History

☒ Search any first and last name combinations ⓘ

First Name ⓘ Last Name ⓘ DOB

Species *
☒ All
☐ Human
☐ Non-Human

Additional States to Query:

Asterisk (*) can be used as a wildcard to broaden searching

Check other states!

Species Indicator

Display All	Species	Name	Identifier	RxGov Patient Id	Gender	Date of Birth	Address & Phone
☒		+ ClarkJoseph Kent	Social Security Number: XXX-XX-6789	271	M	1/1/00	12 Smallville St , Smallville, ne, 68001 4021234567 Butler
☒		+ Fido Kent	Social Security Number: XXX-XX-6789	271	M	1/1/00	12 Smallville St , Smallville, ne, 68001 4021234567 Butler
☒		Kent Clark	Unique System ID: 454545	283	M	1/1/00	123 Planet St , Metropolis, NE, 68111 4022222222

Patient queries

Query History

Patient Query

Query History

First Name	Last Name	DOB	Additional Information	Date Run	Run By Delegate
barry	allen		-	10/28/19, 12:02 PM	
bruce	wayne		-	10/28/19, 12:02 PM	
clark	kent		-	10/28/19, 12:02 PM	
rick	grimes		-	10/14/19, 3:32 PM	Kevin BorchertDelegate
lois	lane		-	10/14/19, 3:26 PM	Kevin BorchertDelegate

Patient query – CS/non-CS split view

Patient Information

Dispense Details

Relationships

15.8

MME Assessment

* 7 day average

11

Multiple Provider Episodes

* Last 6 Months

3

Overlapping Prescriptions

* Last 45 Days

Drug Type

All

CDS

Non-CDS

Filter: 3 Months

Dispenses

Combined View

Split View

Controlled Substance Dispenses

	Species	RxGov Patient ID	Date Filled	Drug Dispensed	Quantity Dispensed	Prescriber	Dispenser	Date Written	Date Sold	Days Supply	Refill Number	Refills Authorized	State	Payment Type
+ 2		2982	02/20/2020	Hydrocodone-Acetaminophen (HYDROcodone-Acetaminophen) 7.5-300 MG TABS	100 Each	Howser, Doogie 9991112225	Test Pharmacy, 12300 W Dodge Rd, Omaha, NE, 68154, 4025599999, Douglas	02/19/2020		10	0	0	Nebraska	Commercial Insurance
		2982	02/19/2020	Oxycodone HCl (oxyCODONE HCl) 10 MG TABS	50 Each	Crusher, Beverly 9991111225	Kevin's Pharmacy, 322 E 22nd Street, Fremont, NE, 68025, 4025599992, Dodge	02/15/2020	02/19/2020	8	0	0	Nebraska	Private Pay (Cash, Charge, Credit Card)
		2982	02/18/2020	Alprazolam (ALPRAZolam) 1 MG TABS	90 Each	Bailey, Miranda 9991111285	Newbie Pharmacy, 8303 Dodge Street, Omaha, NE, 68114, 4025599992, Douglas	02/18/2020	02/19/2020	30	0	0	Nebraska	Commercial Insurance
		2982	02/12/2020	Hydrocodone-Acetaminophen (Vicodin) 5-300 MG TABS	180 Each	House, Gregory 9991111235	Hometown Pharmacy, 2500 California Plaza, Omaha, NE, 68178, 4025599992	02/10/2020	02/18/2020	30	0	0	Nebraska	Private Pay (Cash, Charge, Credit Card)

Non-Controlled Substance Dispenses

	Species	RxGov Patient ID	Date Filled	Drug Dispensed	Quantity Dispensed	Prescriber	Dispenser	Date Written	Date Sold	Days Supply	Refill Number	Refills Authorized	State	Payment Type
+ 2		2982	12/08/2019	Simvastatin (Simvastatin) 40 MG TABS	60 Each	Howser, Doogie 9991112225	Test Pharmacy, 12300 W Dodge Rd, Omaha, NE, 68154, 4025599999, Douglas	12/07/2019	12/09/2019	30	3	6	Nebraska	Commercial Insurance
		2982	12/07/2019	Esomeprazole Magnesium (Nexium) 40 MG CPDR	30 Each	House, Gregory 9991111225	Test Pharmacy, 12300 W Dodge Rd, Omaha, NE, 68154, 4025599999, Douglas	12/07/2019	12/07/2019	30	0	0	Nebraska	Commercial Insurance
		2982	12/07/2019	Bumetanide (Bumetanide) 1 MG TABS	30 Each	House, Gregory 9991111225	Newbie Pharmacy, 8303 Dodge Street, Omaha, NE, 68114, 4025599992, Douglas	12/07/2019	12/07/2019	30	0	0	Nebraska	Commercial Insurance
+ 2		2982	12/07/2019	Warfarin Sodium (Warfarin Sodium) 5 MG TABS	10 Each	McCoy, Leonard 9991111225	Out Of Town Pharmacy, 535 E Broadway, Council Bluffs, IA, 51503, 7125599932, Pottawattamie	12/05/2019	12/07/2019	5	0	0	Nebraska	Commercial Insurance

Patient query – combined view

Dispenses

Combined View

Split View

All

	Species	RxGov Patient ID	Date Filled ▲	Drug Dispersed	Quantity Dispersed	Prescriber	Dispenser	Date Written	Date Sold	Days Supply	Refill Number	Refills Authorized	State	Payment Type
+ 2		2982	02/20/2020	Hydrocodone-Acetaminophen (HYDROcodone-Acetaminophen) 7.5-300 MG TABS	100 Each	Howser, Doogie 9991112225	Test Pharmacy, 12300 W Dodge Rd, Omaha, NE, 68154, 4025599999, Douglas	02/19/2020		10	0	0	Nebraska	Commercial Insurance
		2982	02/19/2020	Oxycodone HCl (oxyCODONE HCl) 10 MG TABS	50 Each	Crusher, Beverly 9991111225	Kevin's Pharmacy, 322 E 22nd Street, Fremont, NE, 68025, 4025599992, Dodge	02/15/2020	02/19/2020	8	0	0	Nebraska	Private Pay (Cash, Charge, Credit Card)
		2982	02/18/2020	Alprazolam (ALPRAZolam) 1 MG TABS	90 Each	Bailey, Miranda 9991111285	Newbie Pharmacy, 8303 Dodge Street, Omaha, NE, 68114, 4025599992, Douglas	02/18/2020	02/19/2020	30	0	0	Nebraska	Commercial Insurance
		2982	02/12/2020	Hydrocodone-Acetaminophen (Vicodin) 5-300 MG TABS	180 Each	House, Gregory 9991111235	Hometown Pharmacy, 2500 California Plaza, Omaha, NE, 68178, 4025599992	02/10/2020	02/18/2020	30	0	0	Nebraska	Private Pay (Cash, Charge, Credit Card)
+ 2		2982	12/08/2019	Simvastatin (Simvastatin) 40 MG TABS	60 Each	Howser, Doogie 9991112225	Test Pharmacy, 12300 W Dodge Rd, Omaha, NE, 68154, 4025599999, Douglas	12/07/2019	12/09/2019	30	3	6	Nebraska	Commercial Insurance
		2982	12/07/2019	Esomeprazole Magnesium (NexlUM) 40 MG CPDR	30 Each	House, Gregory 9991111225	Test Pharmacy, 12300 W Dodge Rd, Omaha, NE, 68154, 4025599999, Douglas	12/07/2019	12/07/2019	30	0	0	Nebraska	Commercial Insurance
		2982	12/07/2019	Bumetanide (Bumetanide) 1 MG TABS	30 Each	House, Gregory 9991111225	Newbie Pharmacy, 8303 Dodge Street, Omaha, NE, 68114, 4025599992, Douglas	12/07/2019	12/07/2019	30	0	0	Nebraska	Commercial Insurance

Patient queries – clinical safety alerts

Patient Information

Dispense Details

Relationships

Filter: 3 Months

15.8

MME Assessment

* 7 day average

11

Multiple Provider Episodes

* Last 6 Months

3

Overlapping Prescriptions

* Last 45 Days

Drug Type

☐ All ☒ CDS ☐ Non-CDS

Controlled Substance Dispenses

	Species	RxGov Patient ID	Date Filled	Drug Dispensed	Quantity Dispensed	Prescriber	Dispenser	Date Written	Date Sold	Days Supply	Refill Number	Refills Authorized	State	Payment Type
4		271	09/10/2019	Morphine Sulfate (Morphine Sulfate (Concentrate)) 100 MG/5ML SOLN	20 Milliliters (ml)	abc, abc 4021113333	test, test st, test, NE, 68128, 1111111111, Sarpy	09/10/2019	09/10/2019	5	0	0	Nebraska	Medicare
		271	09/08/2019	Morphine Sulfate (Morphine Sulfate (Concentrate)) 100 MG/5ML SOLN	40 Milliliters (ml)	abc, abc 4021113333	test, test st, test, NE, 68128, 1111111111, Sarpy	09/08/2019	09/09/2019	5	0	0	Nebraska	Medicare
		301	09/03/2019	Morphine Sulfate (Morphine Sulfate (Concentrate)) 100 MG/5ML SOLN	40 Milliliters (ml)	abc, abc	test, test st, test, NE, 68128, 1111111111, Sarpy	09/03/2019	09/04/2019	5	0	0	Nebraska	Medicare
		301	09/02/2019	Morphine Sulfate (Morphine Sulfate (Concentrate)) 100 MG/5ML SOLN	20 Milliliters (ml)	abc, abc	test, test st, test, NE, 68128, 1111111111, Sarpy	09/02/2019		5	0	0	Nebraska	Medicare
		301	10/15/2019	Morphine Sulfate (Morphine Sulfate) 30 MG TABS	17 Each	Potter, Sherman T 9991111225	Test Pharmacy, 12300 W Dodge Rd, Omaha, NE, 68154, 4025599999, Douglas	10/15/2019	10/15/2019	17	0	0	Nebraska	Commercial Insurance
		301	10/15/2019	Oxycodone HCl (oxyCODONE HCl) 10 MG TABS	50 Each	Crusher, Beverly 9991111225	Kevin's Pharmacy, 322 E 22nd Street, Fremont, NE, 68025, 4025599992, Dodge	10/15/2019	10/15/2019	8	0	0	Nebraska	Private Pay (Cash, Charge, Credit Card)
		301	10/15/2019	Hydrocodone-Acetaminophen (Vicodin) 5-300 MG TABS	90 Each	House, Gregory 9991111235	Hometown Pharmacy, 2500 California Plaza, Omaha, NE, 68178, 4025599992, Douglas	10/15/2019	10/15/2019	30	0	0	Nebraska	Private Pay (Cash, Charge, Credit Card)

MME Assessment

Last Updated: Apr 4 2020 7:02PM

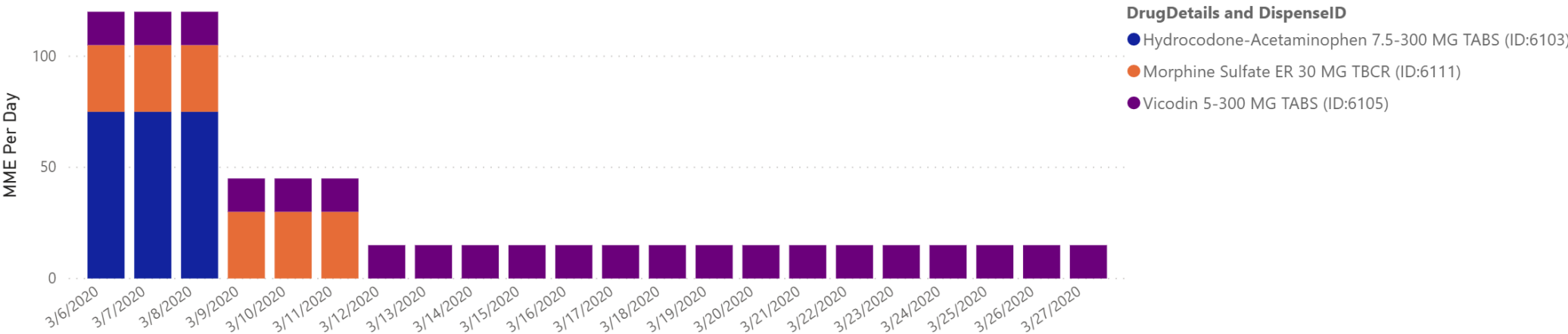
MME Assessment: Last 30 Days

3

Total Prescriptions

Show Last 30 Days	Show Last 7 Days
24.5	0.0
Average MME Per Day	Average MME Per Day

MME Alert Drill-Down



Date										
Drug Group	Drug Name	MME Per Day	Fill Date	Sold Date	Quantity Dispensed	Days Supply	Patient Full Name	Prescriber Full Name	Pharmacy	
Opioids	Hydrocodone-Acetaminoph...	75.00	2/28/2020	2/28/2020	100	10	Wayne, Bruce	Grey, Meredith	Test Pharmacy	
Opioids	Morphine Sulfate ER	30.00	2/27/2020	2/28/2020	14	14	Wayne, Bruce	Pierce, Hawkeye	Out Of Town Pharmacy	
Opioids	Vicodin	15.00	2/27/2020	2/27/2020	90	30	Wayne, Bruce	House, Gregory	Hometown Pharmacy	



Prescription notifications

Query

Self Audit

Prescription Notifications

Tickets

Prescriber Insights

Manage Delegates

AN NIC PLATFORM

Patient Results

Display All	Species	Name	Identifier	RxGov Patient Id	Gender	Date of Birth	Address & Phone
☒		+ Bruce Wayne	Social Security Number: XXX-XX-1110	300	M	8/15/72	2 Wayne Manor , Gotham, NE, 69111-1234 1111111111

+ indicates patient that has multiple names, identifiers, addresses or phone numbers

☐ Show Interstate Data 

Create New Prescription Notification

Report Patient Issue

Flag for Merge

Subscribe to receive notifications on your patient's prescription activity

Notification Type

New Prescription From Any Prescriber

New Prescription From Any Prescriber

New Prescription From Me

New Prescription From Any Prescriber Except Me

Prescription From New Dispenser

Expires In (Months):

6

Add Notification


PRESCRIPTION DRUG MONITORING PROGRAM


NEBRASKA
Good Life. Great Health.
DIV OF HEALTH AND HUMAN SERVICES

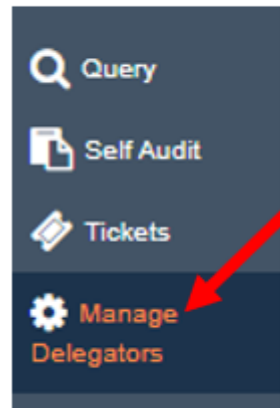


Delegates for prescribers and dispensers

Delegate: A licensed or registered health care professional credentialed under the Uniform Credentialing Act

- Prescribers and dispensers can authorize a delegate
- Delegates must be under supervision of the prescriber/dispenser
- Prescribers/dispensers may authorize an unlimited number of delegates, but they must complete a User Access request form listing all authorized individuals
- All users must complete the training and acknowledgement

Delegate/delegator relationships



Manage Delegates or Delegator

Manage Delegators

[My Delegators](#) [Add New Delegator](#)

Delegator Query

First Name: Last Name: Email Address:

Delegators

Name	Email	Registration Status
Kevin Borchert_Dispenser	dispenserkb@yopmail.com	Active

Kevin Borchert_Dispenser

dispenserkb@yopmail.com

User Details

Email	Registration Status	Street Address	City
dispenserkb@yopmail.com	Active	11412 Centennial Road Suite 101	La Vista

Reporting all dispensed prescriptions

Required reporting as of Jan. 1, 2018

Comprehensive medication history

Patient safety tool

- Allows clinicians to make better informed decisions
- Identify potential drug interactions, allergies and medications from multiple prescribers and pharmacies
- Provides a valuable resource for unprecedented emergencies
- Tool for medication reconciliation

MEDICATION RECONCILIATION

The process of comparing a patient's current list of all medications that they are taking with the list of medications in their medical record to an external list of medications provided from a patient, hospital or other provider.

Med WRECK



MEDICATION RECONCILIATION

The process of identifying the most accurate list of all medications that the patient is taking, including name, dosage, frequency and route, by comparing the medical record to an external list of medications obtained from a patient, hospital or other provider.

Hospital Readmissions Reduction Program

- 30-day risk-standardized Medicare unplanned readmissions
 - Acute myocardial infarction (AMI)
 - Chronic obstructive pulmonary disease (COPD)
 - Heart failure (HF)
 - Pneumonia
 - Coronary artery bypass graft (CABG) surgery
 - Elective primary total hip arthroplasty and/or total knee arthroplasty (THA/TKA)
- Reduced payments
 - 2,583/3,129 hospitals face average 0.71% penalty in FY 2020¹
 - \$563 million

1. <https://khn.org/news/hospital-readmission-penalties-medicare-2583-hospitals>

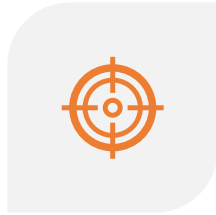
Hospital Readmissions Reduction Program

"Yes" means payments are reduced 1 percent because of high rates of complications.

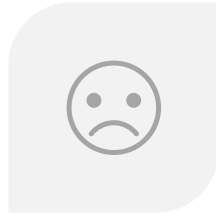
Name ▾	Penalty No penalty Exempt					
	2015 ▾	2016 ▾	2017 ▾	2018 ▾	2019 ▾	2020 ▾
		Yes				
					Yes	
				Yes		
		Yes				
Yes						



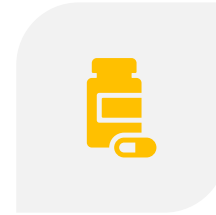
Challenges with obtaining medication history



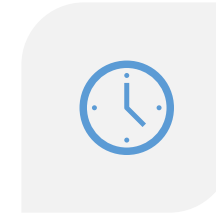
ONLY AS ACCURATE AS
THE HISTORY
OBTAINED



POOR HISTORIANS



PATIENT/ FAMILY
BRING IN ALL
MEDICATION BOTTLES



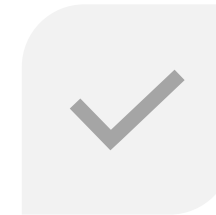
TIME-CONSUMING



CALL PHARMACIES



REVIEW EHR



ADMISSION VS.
DISCHARGE ORDERS

Successful medication reconciliation system



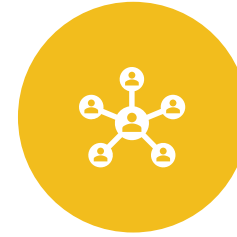
ACCURATE LIST



COMPREHENSIVE LIST



UP-TO-DATE LIST



EASE OF ACCESS
WITHIN CLINICAL
WORKFLOW



COST-EFFECTIVE

Overall value of the PDMP

- ✓ Powerful tool
- ✓ Opioid/controlled substance dispensed prescription review
- ✓ Comprehensive medical history
- ✓ Timely
- ✓ No cost to query
- ✓ Ease of access
- ✓ Patient safety



Contact information



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A man with short, light-colored hair, wearing a light blue button-down shirt, is shown from the chest up. He has his hands clasped in front of him and is looking upwards and to the right with a thoughtful expression. The background is a green chalkboard with some faint, illegible white markings. Overlaid on the right side of the image is the text "Let's be careful out there" in a white, italicized, sans-serif font.

*Let's be
careful
out there*