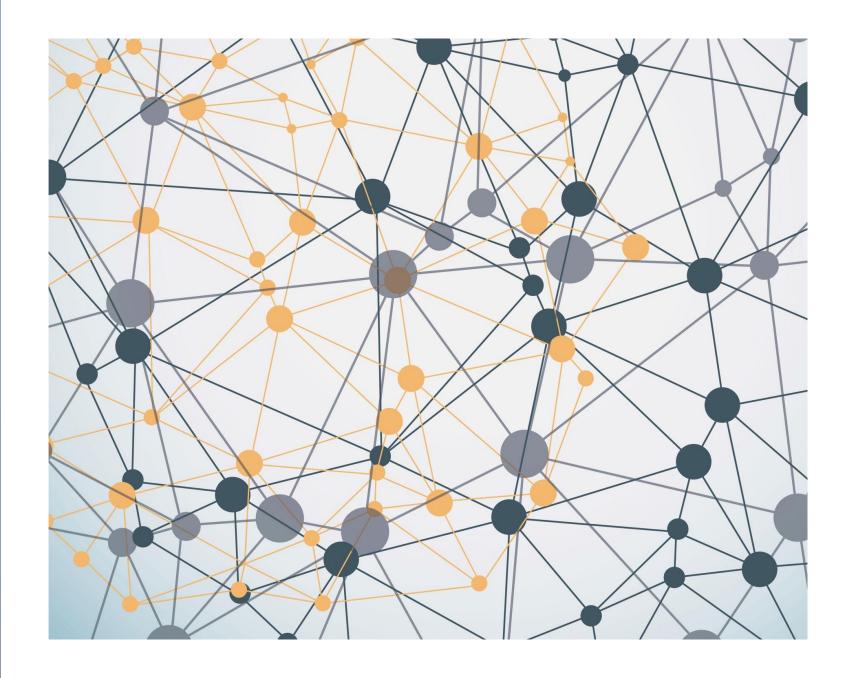
2022 QI Residency

Health Information Exchange

Prescription Drug Monitoring Program

November 3, 2022 Tamara Stepanek, RN, MSN



Course Objectives:

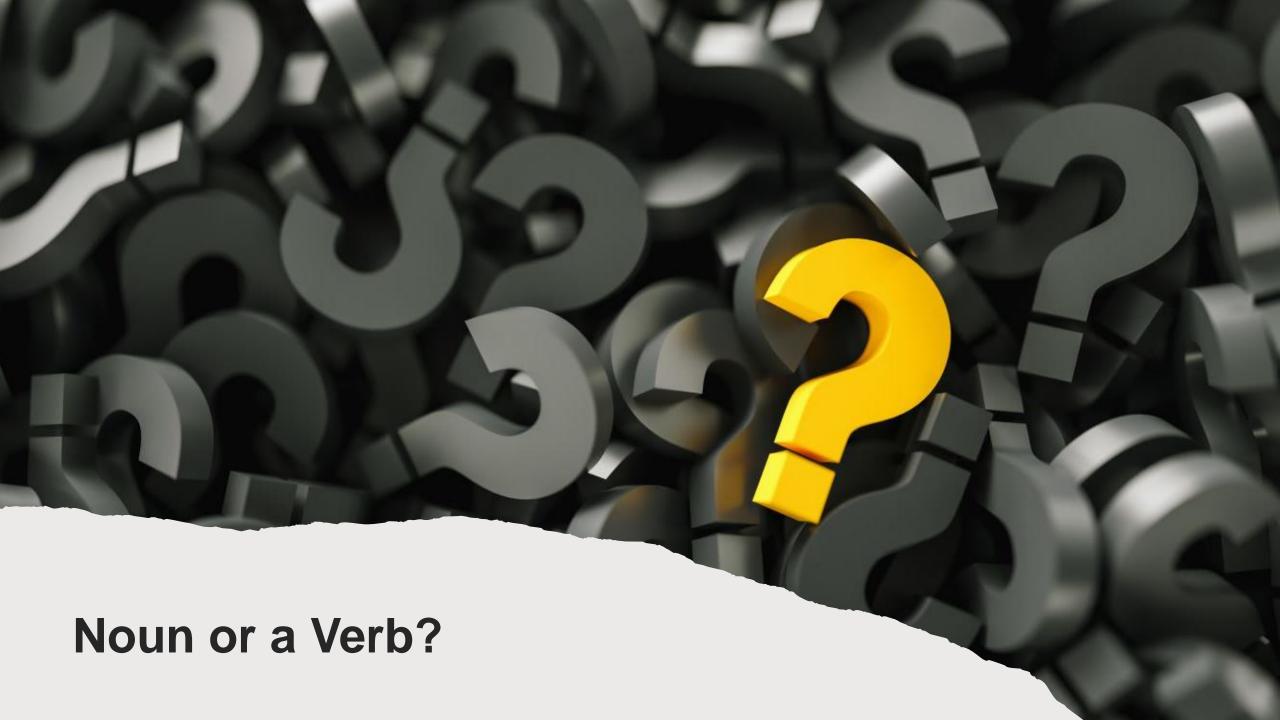
- Translate population health promotion and continuum of care activities
- Defend resource needs to leadership to improve quality
- Distinguish quality initiatives impacting reimbursement

Topics:

- Health Information Exchange Concepts
- Data Exchange Basics to support Interoperability
- HIE Federal Funding History
- Typical Service Offerings of a Health Information Exchange
- Prescription Drug Monitoring Program Overview

What is a Health Information Exchange Platform?

A health information exchange (HIE) platform collects, organizes, and stores medical data from various providers within a geographical region on a centralized or decentralized database. HIE participants with appropriate authorizations can then access the medical data of patients with their consent.



Potential Service Offerings from a Health Information Exchange

Provider Portal

Event Notification

Public Health Reporting

Analytics/Quality Measure Reporting

Academics and Research Support

Prescription Drug Monitoring Program

Direct Secure Messaging (HISP)

Patient Portal

Health Data Utility Model



Goals of a Health Information Exchange

- Support Coordination of Care
- Improve Patient Care
- Ease Burden on Providers and Quality Professionals by Creating Efficiencies
- Create Healthier
 Communities





- Foundational (Level 1): Establishes the inter-connectivity requirements needed for one system or application to securely communicate data to and receive data from another
- Structural (Level 2): Defines the format, syntax and organization of data exchange including at the data field level for interpretation
- Semantic (Level 3): Provides for common underlying models and codification of the data including the use of data elements with standardized definitions from publicly available value sets and coding vocabularies, providing shared understanding and meaning to the user
- Organizational (Level 4): Includes governance, policy, social, legal and organizational considerations to facilitate the secure, seamless and timely communication and use of data both within and between organizations, entities and individuals. These components enable shared consent, trust and integrated enduser processes and workflows

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Foundation

HL7 V2

- ADT Admissions/Discharge/Transfer
- LAB Laboratory Feed
- RAD Radiology Feed
- TRN Transcription Feed (reports, dictations, etc.)

HL7 V3 CCDA

Continuity of Care Documents

ADT Message with segments

```
MSH | ^~\& | MESA_ADT | XYZ_ADMITTING | iFW | ZYX_HOSPITAL | | | ADT^A04 | 103102 | P | 2.4 | | | | | | | | |
EVN | | 200007010800 | | | | 200007010800
PID | | 583295^^^ADT1 | DOE^JANE | 19610615 | M- | 2106-3 | 123 MAIN STREET^^GREENSBORO^NC^27401-1020 | GL | (919)379-1212 | (919)271-3434~(919)277-
3114||S||PATID12345001^2^M10|123456789|9-87654^NC
NK1 | 1 | BATES^RONALD^L | SPO | | | | | 20011105
PV1||E|||||5101^NELL^FREDERICK^P^^DR|||||||||V1295^^^ADT1|||||||||||||||||200007010800|||||||
PV2|||^ABDOMINAL PAIN
OBX | 1 | HD | SR Instance UID | | 1.123456.2.2000.31.2.1 | | | | | | | | | |
AL1 | 1 | | ^ PENICILLIN | | PRODUCES HIVES~RASH
AL1|2||^CAT DANDER
DG1 | 001 | 19 | 1550 | MAL NEO LIVER, PRIMARY | 19880501103005 | F | |
PR1 | 2234 | M11 | 111^CODE151 | COMMON PROCEDURES | 198809081123
ROL | 45^RECORDER^ROLE MASTER LIST | AD | CP | KATE^SMITH^ELLEN | 199505011201
GT1 | 1122 | 1519 | BILL^GATES^A
IN1 | 001 | A357 | 1234 | BCMD | | | | | 132987
IN2 | ID1551001 | SSN12345678
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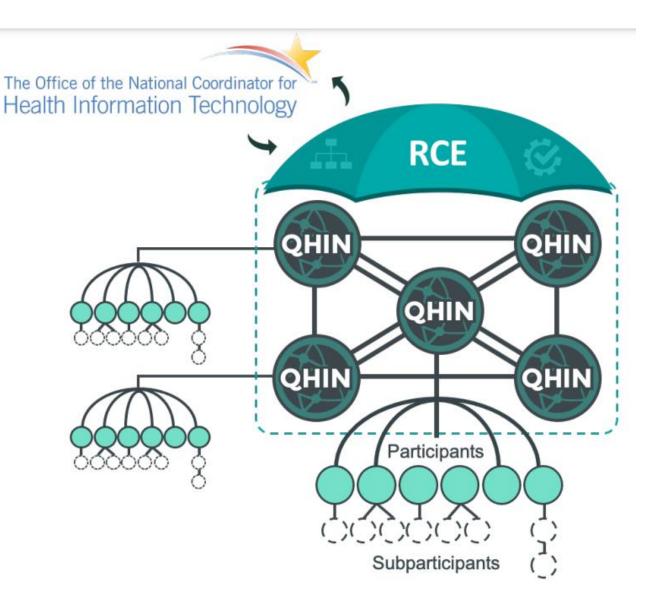
USCDI v3

(U.S. Core Data for Interoperability)

- Assessment and plan of treatment
- Care Team members
- Clinical Notes
- Goals
- Health concerns
- •Immunizations
- Laboratory
- Medications
- Patient Demographics
- Problems
- Procedures
- Provenance
- Smoking Status
- •Unique device identifier
- Vital signs

- Foundational (Level 1): Establishes the inter-connectivity requirements needed for one system or application to securely communicate data to and receive data from another
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TEFCA, QHIN USCDI & FHIR Interoperability



Federal Policies supporting Interoperability

- (2004) Office of the National Coordinator for Health Information Technology (ONC) Standards
- (2009) Health Information Technology for Economic and Clinical Health (HITECH) Act
- (2016) 21st Century Cures Act

Hospital Interoperability Measures 2022

Electronic Prescribing

Health Information Exchange Provider to Patient Exchange

Public Health and Clinical Data Exchange

Health Information Exchange Measure

Quality Payment

Merit-Based Incentive Payment System (MIPS) Promoting Interoperability Performance Category Measure 2022 Performance Period

Objective:	Health Information Exchange
Measure:	Health Information Exchange (HIE) Bi-Directional Exchange The MIPS eligible clinician or group must attest that they engage in bi- directional exchange with an HIE to support transitions of care.
Measure ID:	PI_HIE_5

Definition of Terms

Transition of Care – The movement of a patient from one setting of care (hospital, ambulatory primary care practice, ambulatory specialty care practice, long-term care, home health, rehabilitation facility) to another. At a minimum this includes all transitions of care and referrals that are ordered by the MIPS eligible clinician.

Referral – Cases where one provider refers a patient to another, but the referring provider maintains his or her care of the patient as well.

Current problem lists - At a minimum a list of current and active diagnoses.

Active/current medication list - A list of medications that a given patient is currently taking.

Active/current medication allergy list – A list of medications to which a given patient has known allergies.

Allergy – An exaggerated immune response or reaction to substances that are generally not harmful.



e-Prescribing Measure

Quality Payment

Merit-Based Incentive Payment System (MIPS) Promoting Interoperability Performance Category Measure 2022 Performance Period

Objective:	e-Prescribing
<u>Measure</u> :	e-Prescribing At least one permissible prescription written by the MIPS eligible clinician is transmitted electronically using CEHRT.
Measure ID:	PI_EP_1
Exclusion:	Any MIPS eligible clinician who writes fewer than 100 permissible prescriptions during the performance period.
Measure Exclusion ID:	PI_LVPP_1

Definition of Terms

Prescription – The authorization by a MIPS eligible clinician to a pharmacist to dispense a drug that the pharmacist would not dispense to the patient without such authorization.

Permissible Prescriptions – All drugs meeting the current definition of a prescription as the authorization by a clinician to dispense a drug that would not be dispensed without such authorization and may include electronic prescriptions of controlled substances where creation of an electronic prescription for the medication is feasible using CEHRT and where allowable by state and local law.



Public Health and Clinical Data Exchange

Quality Payment

Merit-Based Incentive Payment System (MIPS) Promoting Interoperability Performance Category Measure 2022 Performance Period

Objective:	Public Health and Clinical Data Exchange
<u>Bonus</u> <u>Measure</u> :	Public Health Registry Reporting The MIPS eligible clinician is in active engagement with a public health agency to submit data to public health registries.
Measure ID:	PI_PHCDRR_4

Definition of Terms

Active engagement – The MIPS eligible clinician is in the process of moving towards sending "production data" to a public health agency or clinical data registry, or is sending production data to a public health agency (PHA) or clinical data registry (CDR).

Active engagement may be demonstrated in one of the following ways:

- Option 1 Completed Registration to Submit Data: The MIPS eligible clinician registered to submit data with the PHA or, where applicable, the CDR to which the information is being submitted; registration was completed within 60 days after the start of the performance period; and the MIPS eligible clinician is awaiting an invitation from the PHA or CDR to begin testing and validation. This option allows MIPS eligible clinicians to meet the measure when the PHA or the CDR has limited resources to initiate the testing and validation process. MIPS eligible clinicians that have registered in previous years do not need to submit an additional registration to meet this requirement for each performance period.
- Option 2 Testing and Validation: The MIPS eligible clinician is in the process of testing
 and validation of the electronic submission of data. MIPS eligible clinicians must respond to
 requests from the PHA or, where applicable, the CDR within 30 days; failure to respond twice
 within a performance period would result in that MIPS eligible clinician not meeting the
 measure.



Provider to Patient Exchange

Medicare Promoting Interoperability PROGRAM

2022 MEDICARE PROMOTING INTEROPERABILITY PROGRAM FOR ELIGIBLE HOSPITALS AND ©RITICAL ACCESS HOSPITALS

Provider to Patient Exchange Objective Fact Sheet

On August 13, 2021, the Centers for Medicare & Medicaid Services (CMS) published the Fiscal Year 2022 Medicare Hospital Inpatient Prospective Payment System for Acute Care Hospitals and Long-term Care Hospital Prospective Payment System Final Rule. In the rule, CMS continued its focus on the advancement of certified electronic health record technology (CEHRT) utilization, and improving interoperability and patient access to health information for the Medicare Promoting Interoperability Program for eligible hospitals and critical access hospitals (CAHs).

The information included in this fact sheet pertains to the Provider to Patient Exchange objective for the Medicare Promoting Interoperability Program in calendar year (CY) 2022.

Provider to Patient Exchange Objective: The eligible hospital or CAH provides patients (or patient-authorized representative) with timely electronic access to their health information.

Required Measure

Measure: Provide Patients Electronic Access to Their Health Information

- Measure description: For at least one unique patient discharged from the eligible hospital
 or CAH inpatient or emergency department (Place of Service [POS] 21 or 23):
- The patient (or patient-authorized representative) is provided timely access to view online, download, and transmit their health information; and
- The eligible hospital or CAH ensures the patient's health information is available for the
 patient (or patient-authorized representative) to access using any application of their
 choice that is configured to meet the technical specifications of the application
 programming interface in the eligible hospital or CAH's CEHRT.
- Exclusion: Not available in 2022.
- Maximum points available for this measure: 40 points.

Typical Service Offerings from an HIE

Provider Portal

Event Notification

Public Health Reporting

Analytics/Quality Measure Reporting

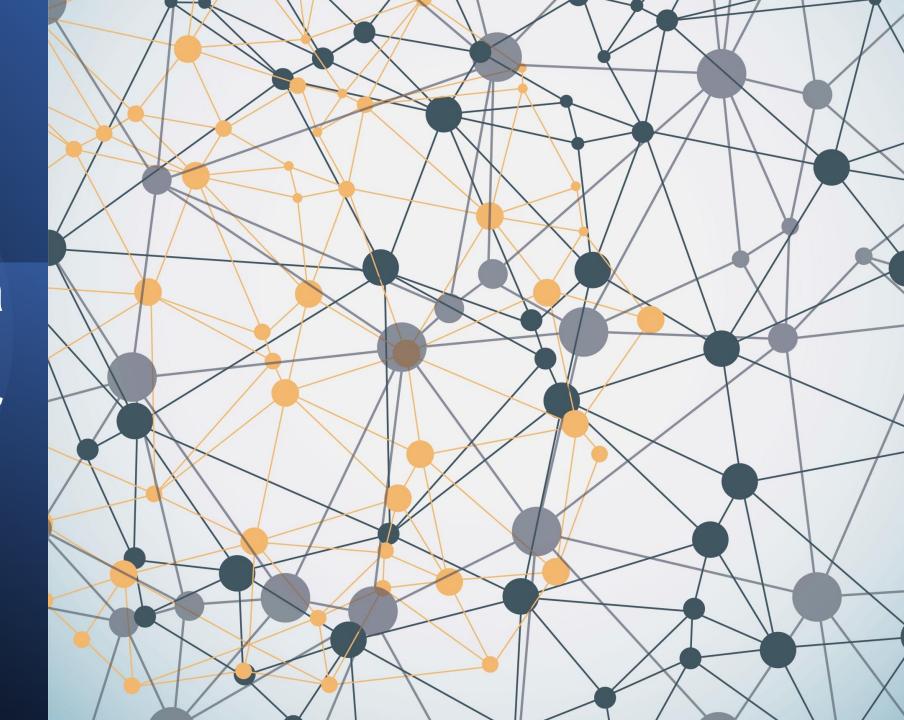
Academics and Research Support

Prescription Drug Monitoring Program

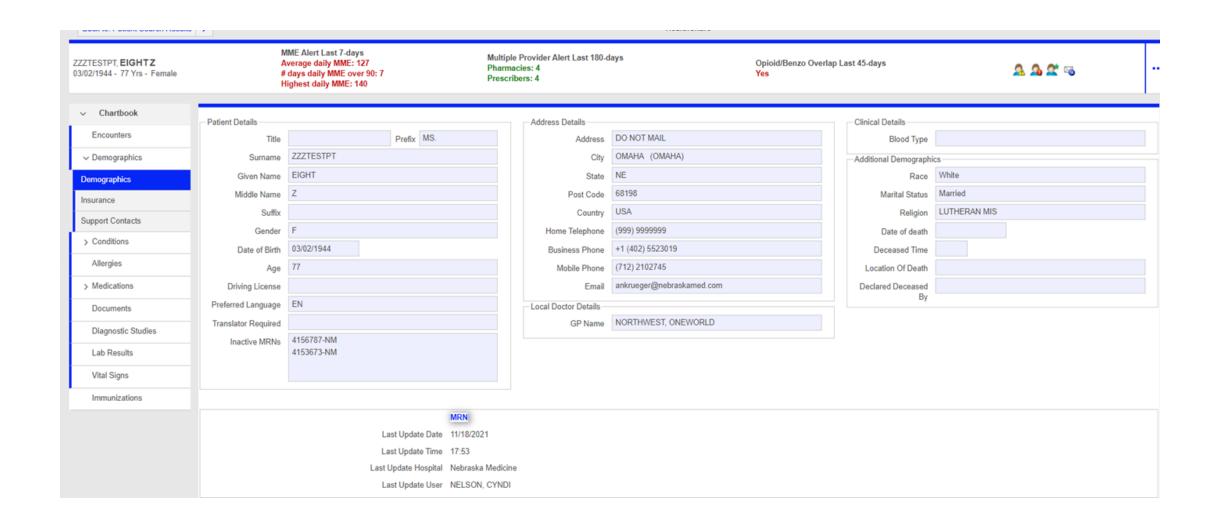
Direct Secure Messaging (HISP)

Patient Portal

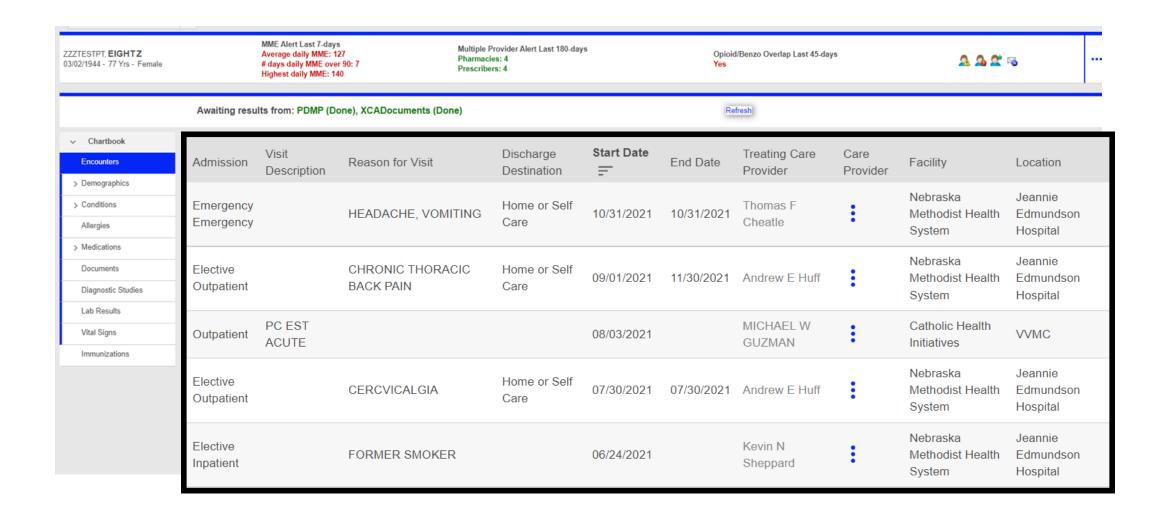
Health Data
Utility Tool:
The Provider
Portal



Demographics



Encounters



Diagnosis

MME Alert Last 7-days Multiple Provider Alert Last 180-days ZZZTESTPT, EIGHTZ Average daily MME: 127 Opioid/Benzo Overlap Last 45-days A A 🕿 👨 Pharmacies: 4 # days daily MME over 90: 7 03/02/1944 - 77 Yrs - Female Prescribers: 4 Highest daily MME: 140 Chartbook T Date, Diagnosis Diagnoses [Across All Episodes] Encounters Date = Episode No Facility Status Code HSgenerated85476AG Activity, physical games generally associated with school recess, summer camp and children Nebraska Medicine Y93.6A Active > Demographics 989998 Activity, physical games generally associated with school recess, summer camp and children Beatrice Community Hospital & Health Center Y93.6A Active Conditions 989998 Acute posthemorrhagic anemia Nebraska Medicine Active D62 Diagnoses HSgenerated85476AG Acute upper respiratory infection, unspecified Great Plains Health Active J06.9 Current Problems 989998 Anemia, unspecified Nebraska Medicine Active D64.9 Historical Problems 989998 Basal cell carcinoma of skin, unspecified Great Plains Health C44.91 Active Allergies 989998 Basal cell carcinoma of skin, unspecified C44.91 Mary Lanning Healthcare Active > Medications 989998 Beatrice Community Hospital & Health Center Basal cell carcinoma of skin, unspecified Active C44.91 HSgenerated85476AG Beatrice Community Hospital & Health Center R07.9 Documents Chest pain, unspecified Active 989998 Contact with and (suspected) exposure to other viral communicable diseases Nebraska Medicine Active Z20.828 Diagnostic Studies HSgenerated85476AG Cough, unspecified Great Plains Health R05.9 Active Lab Results HSgenerated85476AG COVID-19 Nebraska Medicine U07.1 Active Vital Signs 989998 COVID-19 Nebraska Medicine U07.1 Active **Immunizations** HSgenerated85476AG Disease of intestine, unspecified Great Plains Health K63.9 Active

Allergies

MME Alert Last 7-days Multiple Provider Alert Last 180-days ZZZTESTPT, **EIGHTZ** Average daily MME: 127 Opioid/Benzo Overlap Last 45-days Pharmacies: 4 A A 2 5 # days daily MME over 90: 7 03/02/1944 - 77 Yrs - Female Prescribers: 4 Highest daily MME: 140 Chartbook Allergies Encounters Category Allergen Reaction Severity Onset Status Facility DRUG INGREDI CEPHALEXIN Rash High 10/04/2019 Active Nebraska Medicine > Demographics DRUG INGREDI CEPHALEXIN Rash High 10/04/2019 Active Nebraska Medicine > Conditions DRUG INGREDI CEPHALEXIN Rash High 10/04/2019 Active Mary Lanning Healthcare Allergies DRUG INGREDI FUROSEMIDE See Comments 05/12/2016 Nebraska Medicine Active > Medications GLUTEN Nebraska Medicine DRUG INGREDI Itching 09/22/2015 Active Documents DRUG INGREDI FUROSEMIDE See Comments 05/12/2016 Active Nebraska Medicine GABAPENTIN Rash High 09/07/2015 Nebraska Medicine Diagnostic Studies DRUG INGREDI Active DRUG INGREDI FUROSEMIDE See Comments 05/12/2016 Active Mary Lanning Healthcare Lab Results DRUG INGREDI LATEX ItchingRash High 08/27/2015 Active Nebraska Medicine Vital Signs DRUG INGREDI GLUTEN Itching 09/22/2015 Nebraska Medicine Active Immunizations Active DRUG INGREDI POLLEN EXTRACTS Abnormal beh 10/03/2013 Nebraska Medicine Mary Lanning Healthcare DRUG INGREDI GLUTEN Itching 09/22/2015 Active Nebraska Medicine DRUG INGREDI PENICILLIN Diarrhea and 06/25/2010 Active DRUG INGREDI GABAPENTIN Rash 09/07/2015 Active Mary Lanning Healthcare

Documents

MME Alert Last 7-days Multiple Provider Alert Last 180-days ZZZTESTPT, EIGHTZ Average daily MME: 127 Opioid/Benzo Overlap Last 45-days A A 🕿 👨 Pharmacies: 4 03/02/1944 - 77 Yrs - Female # days daily MME over 90: 7 Prescribers: 4 Highest daily MME: 140 Chartbook T Date, Activity T Documents Encounters Some documents are unable to be launched in the browser, therefore leverage the local device to display. Follow your organization's technical safeguard protocols. > Demographics Document Entered Location Date = Details Episode No Doc Type Source Facility > Conditions DOC TELEPHONE EN KATHERINE C PULLEN Nebraska Medicine 03/11/2021 14:07 HSgenerated85476AG Allergies PR PROGRESS FEDJA A ROCHLING Nebraska Medicine 03/11/2021 13:45 HSgenerated85476AG > Medications DOC ERRONEOUS EN FEDJA A ROCHLING Nebraska Medicine 03/11/2021 13:45 HSgenerated85476AG Documents DOC NURSE TRIAGE KATHERINE C PULLEN Nebraska Medicine 03/11/2021 00:00 HSgenerated85476AG Diagnostic Studies DOC NURSE TRIAGE KATHERINE C PULLEN Nebraska Medicine 03/11/2021 00:00 HSgenerated85476AG Lab Results DOC TELEPHONE EN BRANDY L HERTZIG Nebraska Medicine 03/10/2021 13:40 HSgenerated85476AG Vital Signs DOC TELEPHONE EN ALYSSA R SHARP Nebraska Medicine 03/10/2021 10:03 HSgenerated85476AG Immunizations DOC TELEPHONE EN Nebraska Medicine 03/10/2021 07:39 HSgenerated85476AG MORGAN D MOODY DOC TELEPHONE MORGAN D MOODY Nebraska Medicine 03/10/2021 00:00 HSgenerated85476AG PR PROGRESS ALISON A DELIZZA Nebraska Medicine 03/09/2021 09:57 HSgenerated85476AG DOC Nebraska Medicine 03/09/2021 00:00 HSgenerated85476AG DOCUMENTATIO ALISON A DELIZZA

Diagnostics

ZZZTESTPT, **EIGHTZ** 03/02/1944 - 77 Yrs - Female MME Alert Last 7-days Average daily MME: 127 # days daily MME over 90: 7 Highest daily MME: 140

Multiple Provider Alert Last 180-days

Pharmacies: 4 Prescribers: 4 Opioid/Benzo Overlap Last 45-days







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Encounters

> Demographics

> Conditions

Allergies

> Medications

Documents

Diagnostic Studies

Lab Results

Vital Signs

Immunizations

∨ Diagnostic Studies ▼ Collection	
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Some documents are unable to be launched in the browser, therefore leverage the local device to display. Follow your organization's technical safeguard protocols.

Study	Document Link	Report	Status	Collection Date =	Facility	Location	Episode No
CT CHEST		Report	Final	09/19/2018 05:11	Great Plains Health	Great Plains Health	156979070

Lab Studies

ZZZTESTPT, EIGHTZ 03/02/1944 - 77 Yrs - Female MME Alert Last 7-days Average daily MME: 127 # days daily MME over 90: 7 Highest daily MME: 140

Multiple Provider Alert Last 180-days

Pharmacies: 4 Prescribers: 4

Opioid/Benzo Overlap Last 45-days







→ Chartbook	∨ Lab Results by Date									
Encounters	Order	Trend	Result 1	Result 2		Result 3		Result 4	Result 5	>
> Demographics	Type and Screen		11/16/2021 12:00							
> Conditions			15.00							
Allergies	URINE CULTURE	C	11/15/2021 08:00	10/26/2021 08:10	2	09/02/2021 08:00		<u>07/29/2021</u> <u>08:09</u>	07/29/2021 08:08	2
> Medications			44/00/0004	40,00,0004		00,40,0004				
Documents	BETA 2 MICROGLOB/BLD	C	11/03/2021 06:00	10/28/2021 12:00	2	09/10/2021 06:00	2			
Diagnostic Studies			11/03/2021							
Lab Results	CBC AND PLT WITH DIFF		05:00							
Vital Signs	STABLE HGB A1C	C	11/03/2021	05/04/2021	2					
Immunizations	STABLE HODATO		<u>05:00</u>	05:00						
	TB INTERFERON AG		10/22/2021 08:00	04/29/2021 09:01	,	02/12/2021 11:01	2	02/12/2021 10:01	<u>02/11/2021</u> <u>00:00</u>	2
	AEROBE/ANAEROBE CULT		09/23/2021 08:00	2						

Lab Reports

<=0.25

DAPTOMYCIN ISLT MIC

MME Alert Last 7-days Multiple Provider Alert Last 180-days ZZZTESTPT. EIGHTZ Average daily MME: 127 Opioid/Benzo Overlap Last 45-days Pharmacies: 4 A A 2 0 5 •• 03/02/1944 - 77 Yrs - Female # days daily MME over 90: 7 Prescribers: 4 Highest daily MME: 140 Order Details Cumulative Order Start Date 09/02/2021 Result Date Order Start Time 08:00 Result Time Ordering Clinician FEY, PAUL (35871) Result Status Corrected Specimen UCLN Placer ID Specimen Collection 09/02/2021 Last Update Date Date Last Update Time Specimen Collection 08:00 Age at Time of Test 77 Years Time Specimen Received Date 09/02/2021 Specimen Received Time 12:37 Observation Reference Test Item Message Sensitivities Performed At Test Item Flag Value Comments Status Time Nebraska SPECIMEN SOURCE XXX Urine Clean Catch Final 09/02/2021 Medicine Nebraska ANNOTATION COMMENT IMP None Final 09/02/2021 Medicine MICROORGANISM/AGENT Nebraska Enterococcus faecalis Corrected Abnormal 09/02/2021 XXX Medicine Nebraska Report Status 09/02/2021 Final Final 09/02/2021 Medicine Enterococcus faecalis ORGANISM Final Enterococcus faecalis 09/02/2021 MICROBIOLOGY BACTERIAL SUSC PNL ISLT MIC Final 09/02/2021 MICROBIOLOGY MIC AMPICILLIN SUSC ISLT <=2 Final S 09/02/2021 MICROBIOLOGY VANCOMYCIN ISLT MIC <=0.25 Final S 09/02/2021 MICROBIOLOGY

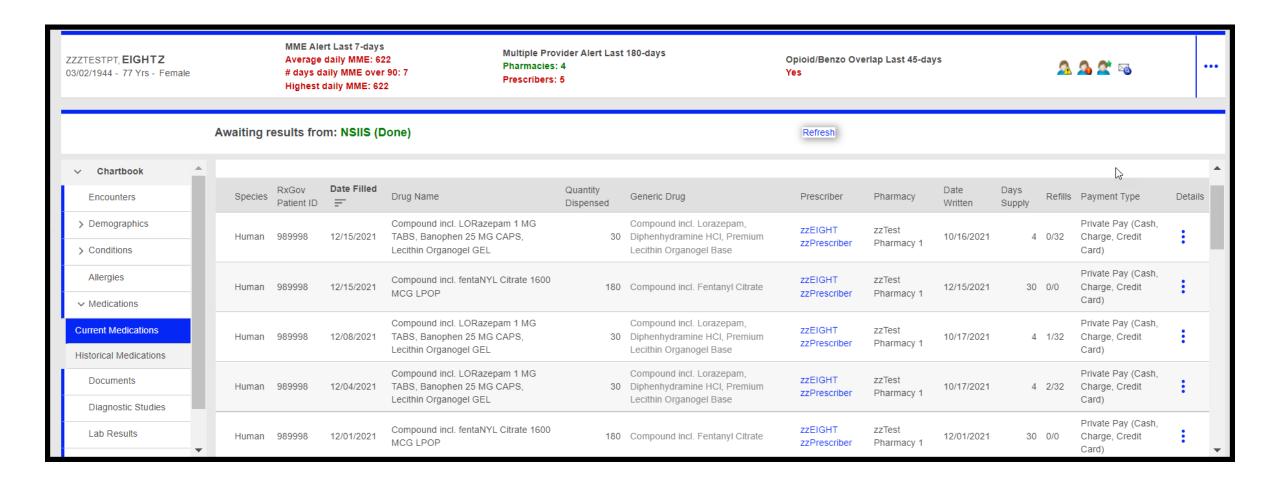
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09/02/2021

MICROBIOLOGY

Medication History

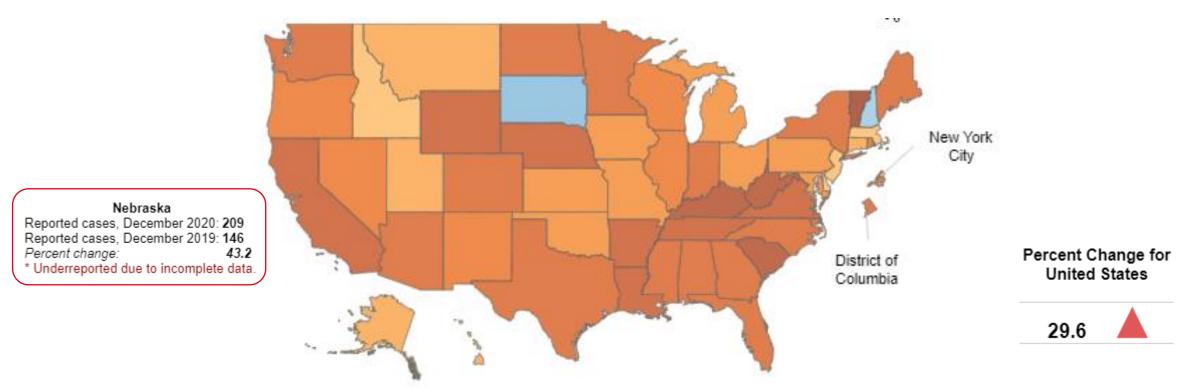


Questions?

Prescription
Drug
Monitoring
Program



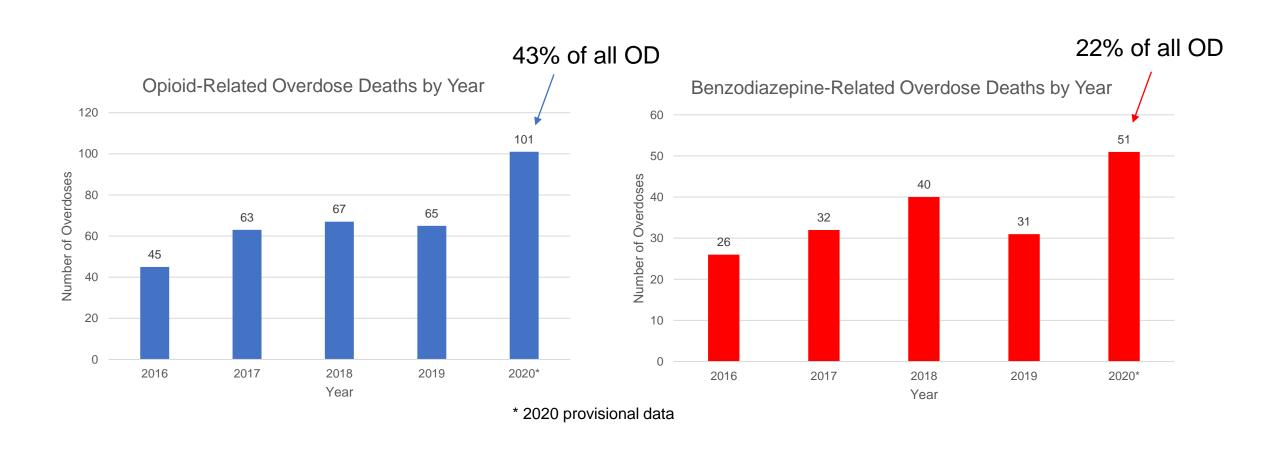
Percent Change in Reported 12 Month-ending Count of Drug Overdose Deaths, by Jurisdiction: December 2019 to December 2020

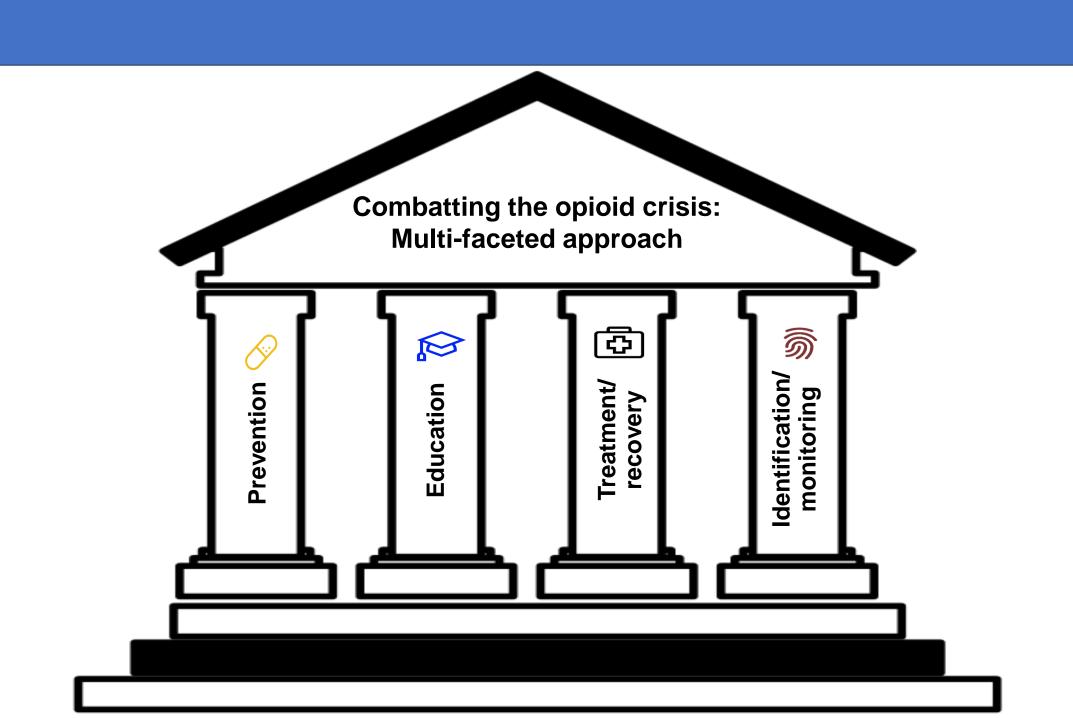


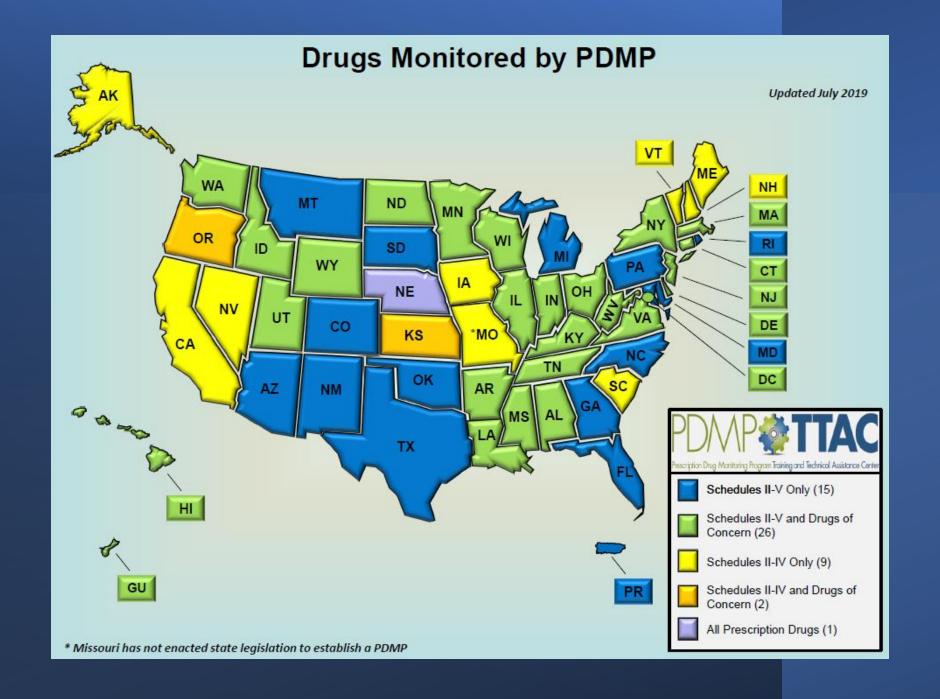
Legend for Percent Change in Drug Overdose Deaths Between 12-Month Ending Periods

-15.9 63.6

Nebraska Drug-Related Overdose Deaths 2016 - 2020









National Drug Control Strategy

A Report by the
Office of National Drug Control Policy

JANUARY 2019

Special Communication | April 19, 2016

CDC Guideline for Prescribing Opioids for Chronic Pain—United States, 2016

FREE

Deborah Dowell, MD, MPH1; Tamara M. Haegerich, PhD1; Roger Chou, MD1

¹Division of Unintentional Injury Prevention, National Center for Injury Prevention and Control, Centers for Disease Control and Prevention, Atlanta, Georgia

JAMA. 2016;315(15):1624-1645. doi:10.1001/jama.2016.1464.

ABSTRACT

Importance Primary care clinicians find managing chronic pain challenging. Evidence of long-term efficacy of opioids for chronic pain is limited. Opioid use is associated with serious risks, including opioid use disorder and overdose.

Objective To provide recommendations about opioid prescribing for primary care clinicians treating adult patients with chronic pain outside of active cancer treatment, palliative care, and end-of-life care.

Process The Centers for Disease Control and Prevention (CDC) updated a 2014 systematic review on effectiveness and risks of opioids and conducted a supplemental review on benefits and harms, values and preferences, and costs. CDC used the Grading of Recommendations Assessment, Development, and Evaluation (GRADE) framework to assess evidence type and determine the recommendation category.







State Strategies to Improve the Use of Prescription Drug Monitoring Programs to Address Opioid and other Substance Use Disorders

PAIN MANAGEMENT

BEST PRACTICES



PAIN MANAGEMENT BEST PRACTICES INTER-AGENCY TASK FORCE REPORT

Updates, Gaps, Inconsistencies, and Recommendations

FINAL REPORT

PDMP Expansion

- A Prescription Drug Monitoring Program (PDMP) is a proven means to increase accountability in opioid prescribing practices and prevent patients from receiving opioids and other controlled medications that may have adverse interactions with opioids from multiple providers.
- In some states where PDMP checking is optional, providers report difficulty using their PDMP due to lack of integration with electronic health records (EHR) which interrupts workflow and can result in decreased use.
- Providers also cite lack of interstate data-sharing and concerns about patient confidentiality as reasons not to use the PDMP. In those cases where states' integration services are made available, the service can be costly.



National Drug Control Strategy

A Report by the Office of National Drug Control Policy

JANUARY 2019

Who Reports information to PDMPs?

Pharmacies

- In-state
- Mail order
- Nebraska VA

Physicians

With a pharmacy license

Veterinarians

(Controlled substances only)

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

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

What needs to be reported to the PDMP?

- Patient: name, address, gender, DOB, phone, identifier
- Pharmacy: name, address, DEA/NPI
- Prescription: date issued, date filled, name of drug (NDC), strength, quantity, payment type
- Prescriber: name, DEA/NPI

Accessing PDMP Data in Nebraska

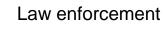


Prescribers











Payers (e.g., Medicaid)

- Nurses - Pharmacy Technicians

Reporting all dispensed prescriptions

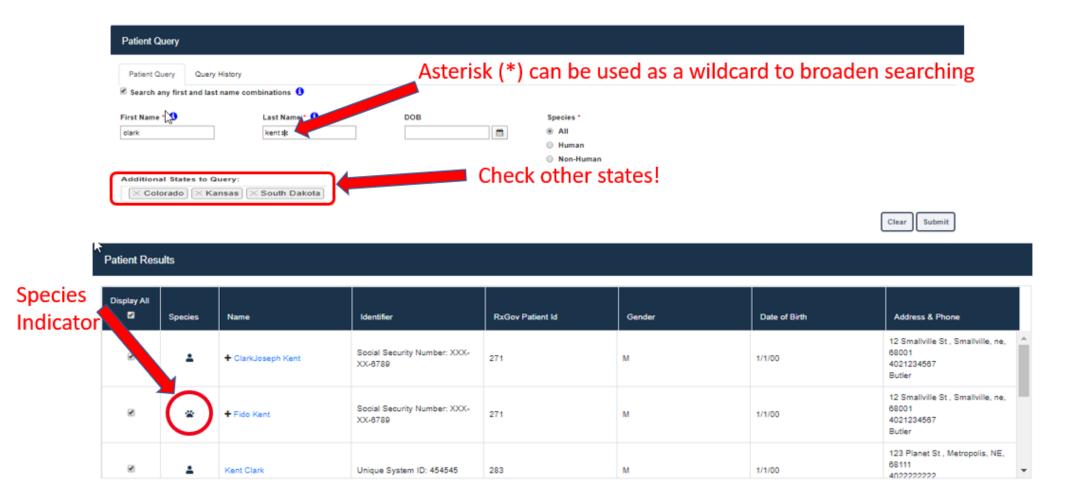
Required reporting as of Jan. 1, 2018

Comprehensive medication history

Patient safety tool

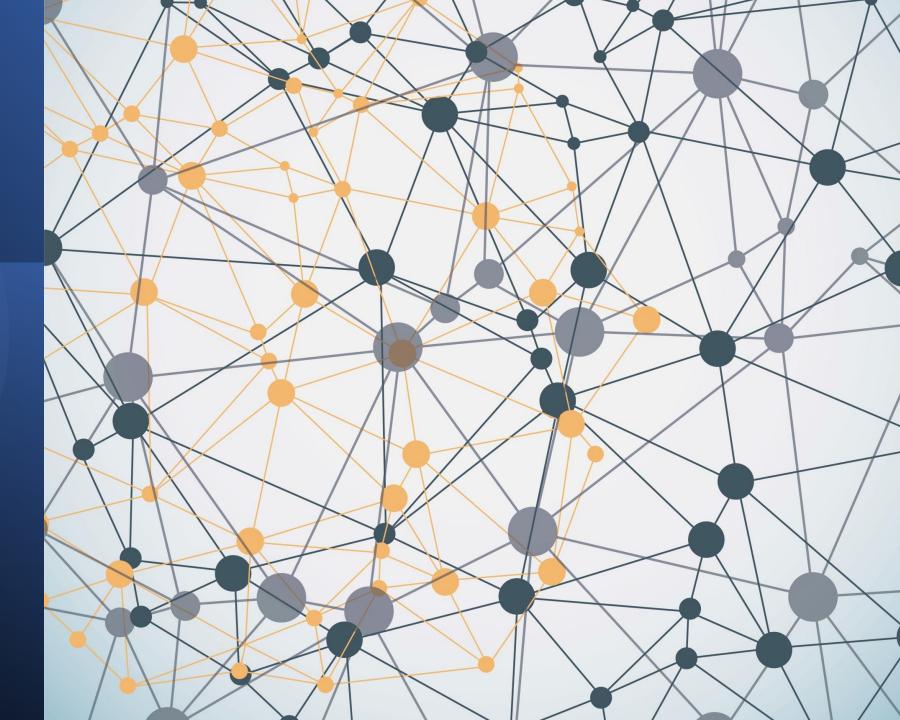
- Allows clinicians to make better informed decisions
- Identify potential drug interactions, allergies and medications from multiple prescribers and pharmacies
- Provides a valuable resource for unprecedented emergencies
- Tool for medication reconciliation

Patient queries

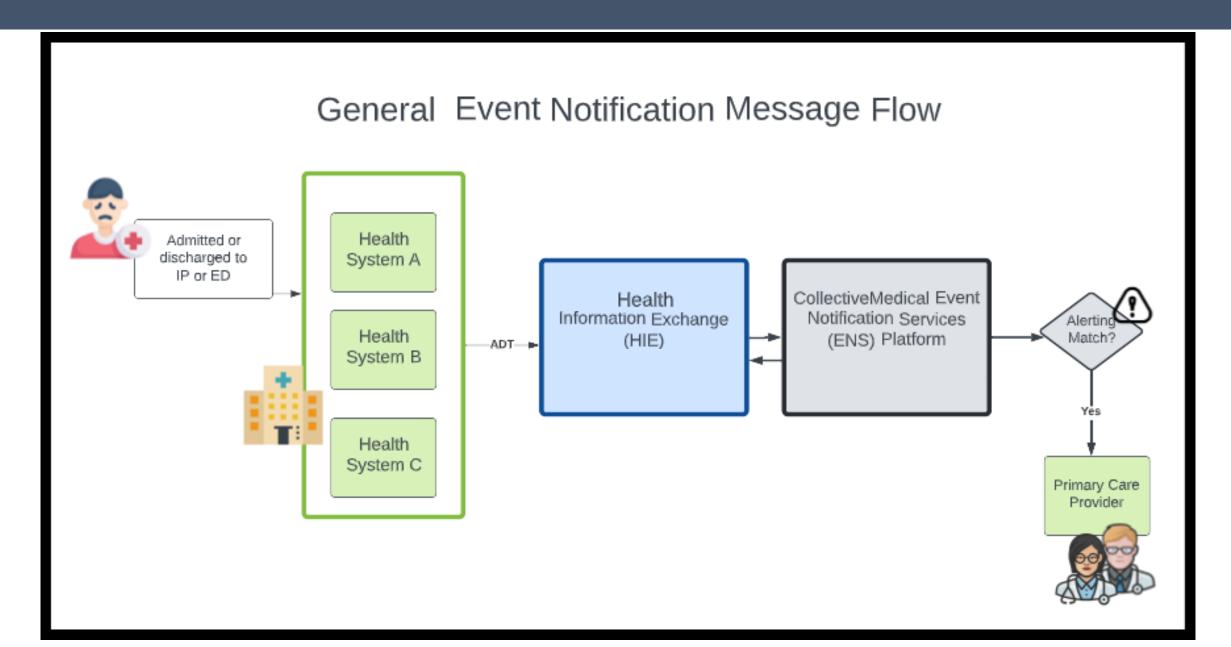


Questions?

Health Data
Utility Tool:
Event
Notification

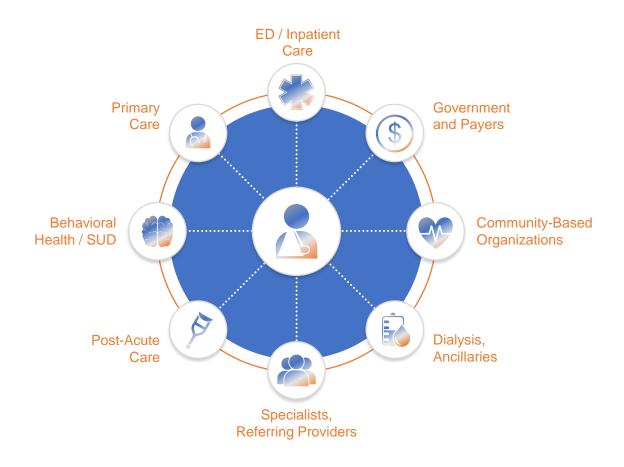


Event Notification



What is Event Notification?

Event Notification is a patient identification and tracking solution that gets the right information to the right person at the point of care.



Conditions of Participation (CAH/ACH)

Patient Presents at Hospital ED or IP

EHR Sends Patient
Data to Event
Notification Platform

Primary Care Physician
Notification via Direct
Message on file
associated with NPI



Immediate

Basic demographic information and triage details about the encounter are entered into the hospital's EHR



Less than two (2) minutes

Identification of the patient and cross-references the new encounter information with prior care records from all entities



CoP

Conditions of Participation notification

Emergency Department Optimization (ED)

Patient Presents at Hospital ED

EHR Sends Patient
Data to Event
Notification Platform

ED Notification of High Risk Issues



Immediate

Basic demographic information and triage details about the encounter are entered into the hospital's EHR



Less than two (2) minutes

Identification of the patient and cross-references the new encounter information with prior care records from all entities



Risk Notification

Notification is made back to the ED via secure email, Fax or integration with EHR Trackboard of high risk issues/behaviors

Ambulatory Clinic Case Management Notifications

Patient Presents at Hospital ED

EHR Sends Patient
Data to Event
Notification Platform

Staff Notified if Encounter Meets Criteria



Immediate

Basic demographic information and triage details about the encounter are entered into the hospital's EHR



Less than two (2) minutes

Identification of the patient and cross-references the new encounter information with prior care records from all entities

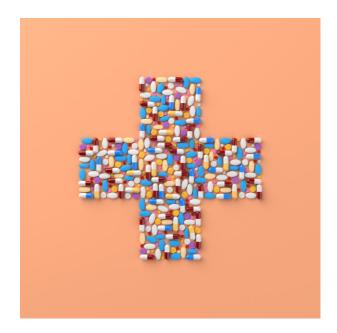


Ongoing

Notifications contain relevant, actionable information about the patient, allowing the provider to positively influence patient care outcomes

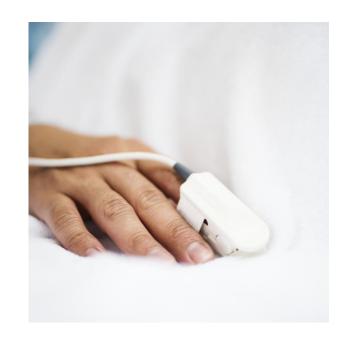
Questions?

Use Cases



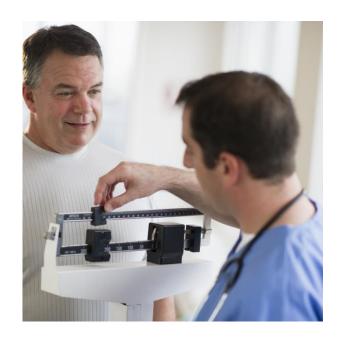
Medication Compliance

Are there barriers to compliance?



Hospitalizations

Proper Use of Emergency Care



Medical Follow up

Is the Patient being seen?
Following up with appointments?

The Challenges of a Health Information Exchange

- Quality, Quality
- Interoperability standards and consistency
- Creating a frictionless experience (SSO/Workflow Integration, Smart on FHIR experience)

Questions?

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