



Sharing PDMPs via National Data Sharing Networks

The Integral Role of PDMPs & Comprehensive Data in Combatting the Opioid Epidemic National Meeting

June 26, 2019

What is a Health Information Network (HIN)?









Hospitals, Physicians, Urgent Care Centers,
Dialysis Centers, etc



Hospitals, Physicians, Urgent Care Centers,
Dialysis Centers, etc

- Electronically exchanges patients' medical information
- Improves the speed, quality, safety, and cost of patient care
- Informs clinical decisions when **seconds & minutes matter**

The Largest Health Data Network in U.S.

We connect:		
	All 50 States	70,000 Medical Groups 
	Four Federal Agencies (DoD, VA, CMS, SSA)	5,200+ Dialysis Centers 
	75% of U.S. Hospitals	8,300 Pharmacies 
Supporting more than 120 million patients		
61 Regional and State HIEs		

200M Patient Histories Shared Annually

We're Different



The longest-standing nationwide health data network supporting **diverse use cases**



The principle network enabling participants to connect directly with **federal agencies**



Exchange not only among eHealth Exchange Participants, but also with **Carequality-enabled networks**



Incubated by the federal government, the eHealth Exchange is a non-profit with a mission to mature nationwide data sharing for the public good.

Challenges

1. Clinicians need PDMP data to make **safer, more informed decisions**
2. Clinicians need medication lists **combined** with other data in their EHR:
 - Toxicology results
 - Risk assessments
 - Social determinants
3. Clinicians need PDMP data via **natural workflows** with no new fees
 - EHR PDMP modules
 - Web Portals
4. Clinicians need PDMP data **before** prescription writing begins
5. **Interstate** exchange

Are med lists with opioids exchanged today among providers using natural workflows?

Retrieve Outside Records

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From **General Hospital**

Note: The eHealth Exchange provides behind the scenes services, not end-user software. These screen mockups illustrate capabilities many EHRs facilitate today.

Current Medications – Jane Test Doe (69 y.o. Female) As of May 16, 2019

Prescription	Source	Sig.	Disp.	Refills	Start Date	End Date	Status	Reconcile with Patient's Chart?
hydromorphone hydrochloride (Dilaudid) 2 mg Oral Tablet	General Hospital East	Take 1 Tab by mouth every 4-6 hours as needed	50 Tab	0	5/15/2019		Active	Add Discard
oxycodone-acetaminophen (Percocet) 10-325 mg Oral Tablet	General Hospital West	Take 1 Tab by mouth every 4 hours as needed	30 Tab	0	5/14/2019	05/15/2019	Discontinued	Add Discard

Are med lists with opioids exchanged today among providers using natural workflows?

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From **Westside Associates**

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Current Medications – Jane Test Doe (69 y.o. Female) As of May 16, 2019

Prescription	Source	Sig.	Disp.	Refills	Start Date	End Date	Status	Reconcile with Patient's Chart?
oxycodone hydrochloride IR (Roxicodone) 15 mg Oral Tablet	Westside Associates	Take 1 Tab by mouth every 4-6 hours as needed	12 Tab	0	5/10/2019		Active	Add Discard

Today – Reconciled Med List, Before Prescription Writing Begins

Medication Reconciliation								
Home Meds Lab Results Other Results Documents								
Current Medications – Jane Test Doe (69 y.o. Female)							As of May 16, 2019	
Prescription	Source	Sig.	Disp.	Refills	Start Date	End Date	Status	Taking?
hydromorphone hydrochloride (Dilaudid) 2 mg Oral Tablet	General Hospital East	Take 1 Tab by mouth every 4-6 hours as needed	50 Tab	0	5/15/2019		Active	<input type="button" value="Yes"/> <input type="button" value="No"/>
oxycodone-acetaminophen (Percocet) 10-325 mg Oral Tablet	General Hospital West	Take 1 Tab by mouth every 4 hours as needed	30 Tab	0	5/14/2019	05/15/2019	Discontinued	<input type="button" value="Yes"/> <input type="button" value="No"/>
oxycodone hydrochloride IR (Roxicodone) 15 mg Oral Tablet	Westside Associates	Take 1 Tab by mouth every 4-6 hours as needed	12 Tab	0	5/10/2019		Active	<input type="button" value="Yes"/> <input type="button" value="No"/>

Are toxicology results exchanged today among providers using natural workflows?

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From

Clinical Lab Results – Jane Test Doe (69 y.o. Female) As of May 31, 2019

Test/Analyte	Specimen ID	Specimen Type	Date Collected	Date Reported	Result	Reference	Units	Add To Patient's Chart?
Oxycodone [Presence] in Serum or Plasma (LOINC 13576-4)	254-001-3789-0	Serum	05-30-2019	05-31-2019	Positive	80,115	NG/ML	<input type="button" value="Add"/> <input type="button" value="Discard"/>
Alprazolam [Mass/volume] in Blood (LOINC 10977-7)	254-001-3789-0	Serum	05-30-2019	05-31-2019	Positive	143	NG/ML	<input type="button" value="Add"/> <input type="button" value="Discard"/>

Note: The eHealth Exchange provides behind the scenes services, not end-user software. These screen mockups illustrate capabilities many EHRs facilitate today.

Are opioids risk assessments/scores exchanged today?

Retrieve Outside Records

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From

Documents – Jane Test Doe (69 y.o. Female) As of May 15, 2019

Clinicians could search for Opioid Risk Index if EHR not configured to combine opioid Rx, Labs, & Assessments (SNOMED Code 459741000124104)

Type	Source	Date	Action	Add to Patient's Chart?
H&P	General Hospital East	5/14/2019	View	Add Discard
Consult Note	General Hospital East	5/14/2019	View	Add Discard
Progress Note	General Hospital East	5/15/2019	View	Add Discard
Discharge Summary	General Hospital East	5/15/2019	View	Add Discard

Objective

Distribute state PDMP data as appropriate to inform clinicians of:

- ✓ Controlled substance history
- ✓ Toxicology results (when available)
- ✓ Risk scores (when available)

eHealth Exchange Participants

- ✓ 75% U.S. hospitals
- ✓ VHA, DoD, CMS
- ✓ 70,000 medical groups
- ✓ 5,200 dialysis centers
- ✓ All 50 states



Reduce opioid misuse

Objective – Include Data from State PDMPs via Natural Workflows

Retrieve Outside Records

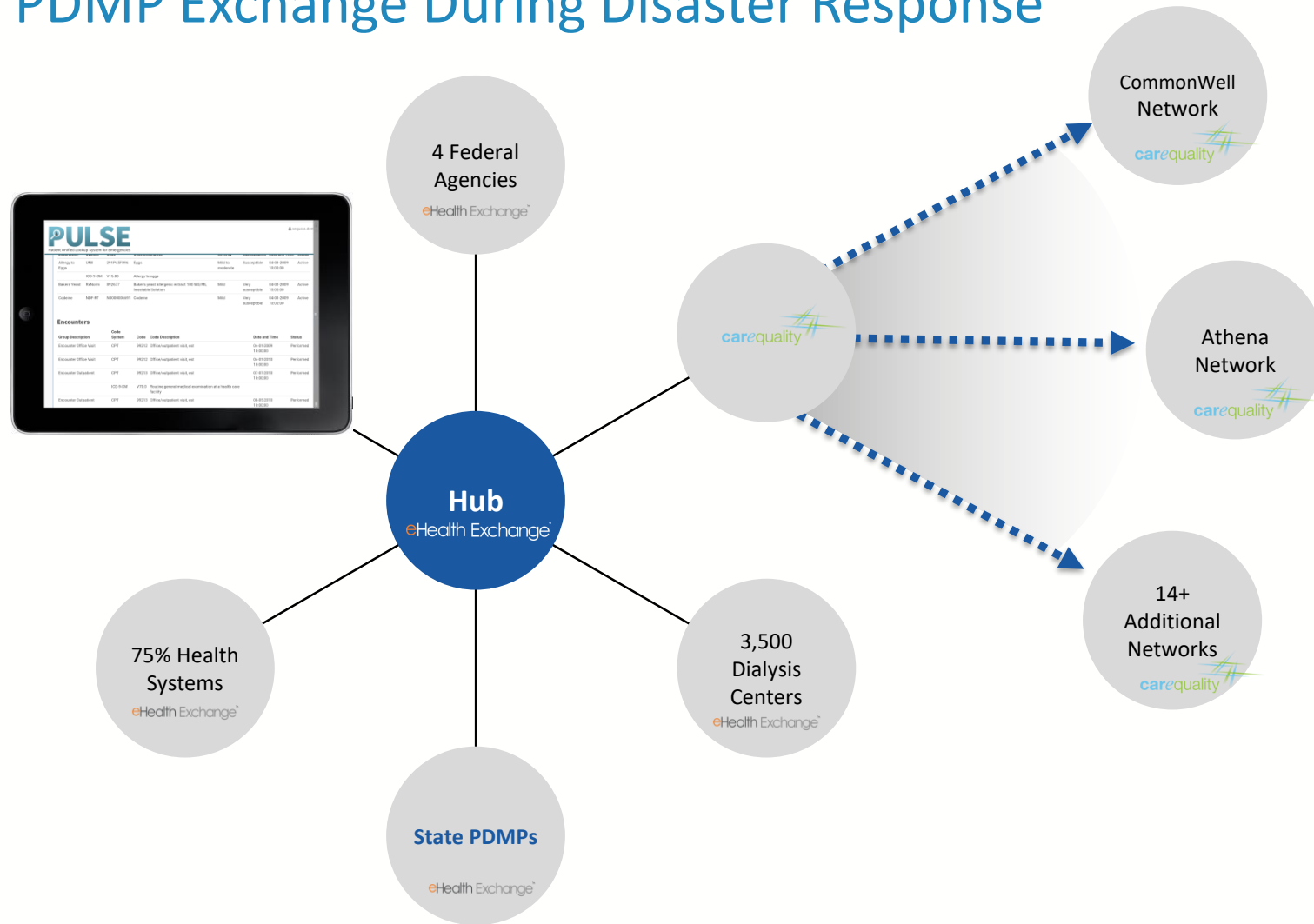
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From

Current Medications – Jane Test Doe (69 y.o Female) As of May 16, 2019

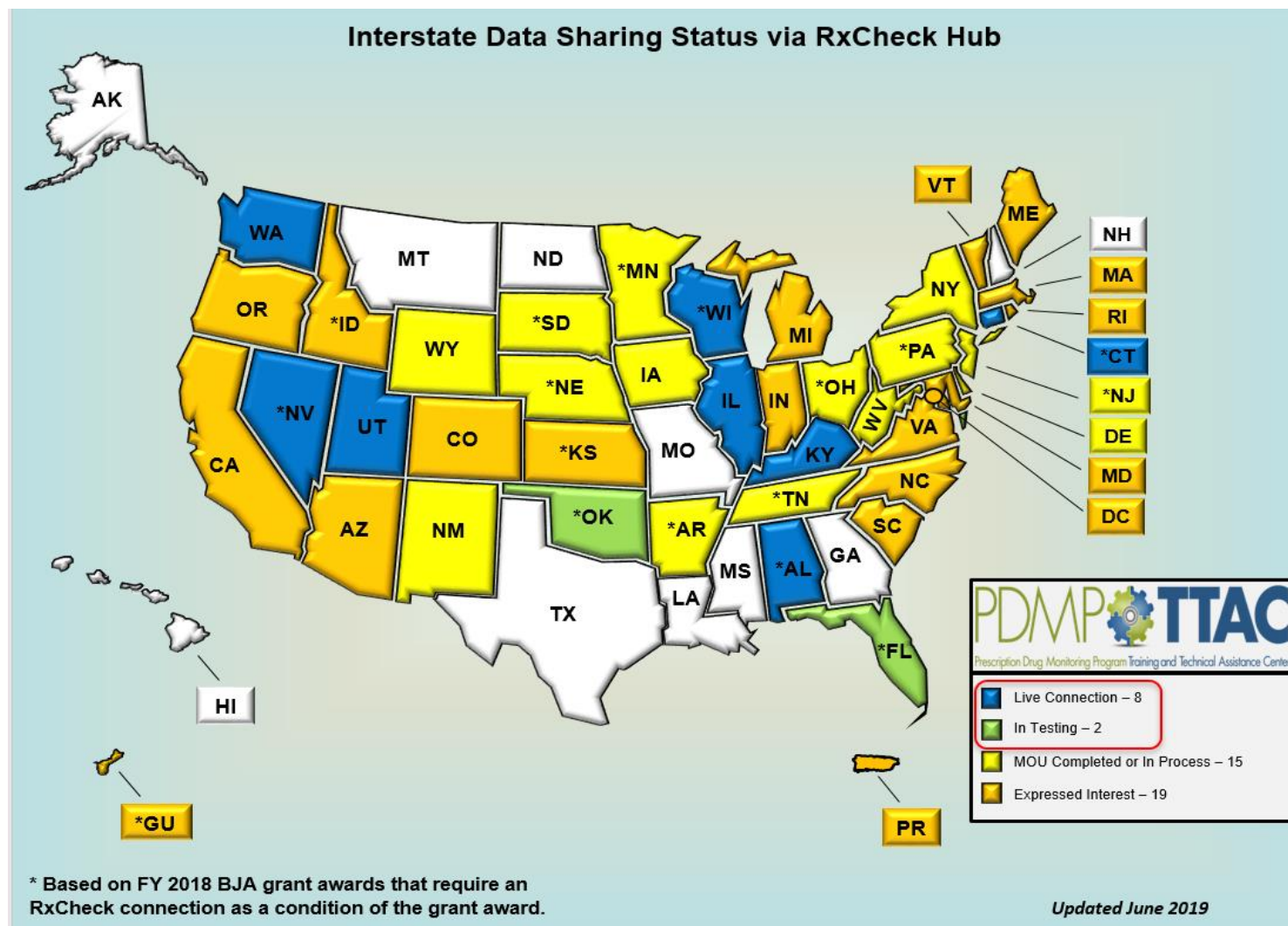
Prescription	Source	Sig.	Disp.	Refills	Start Date	End Date	Status	Reconcile with Patient's Chart?
Lorazepam (Ativan) 2 mg Oral Tablet	Oceanside Medical Center	Take 1 Tab by mouth every 4 hours as needed	50 Tab	3	4/15/2019		Active	Add Discard
oxycodone-acetaminophen (Percocet) 10-325 mg Oral Tablet	Bayside Medical Center	Take 1 Tab by mouth every 4 hours as needed	30 Tab	0	3/29/2019		Active	Add Discard

Objective: Support PDMP Exchange During Disaster Response



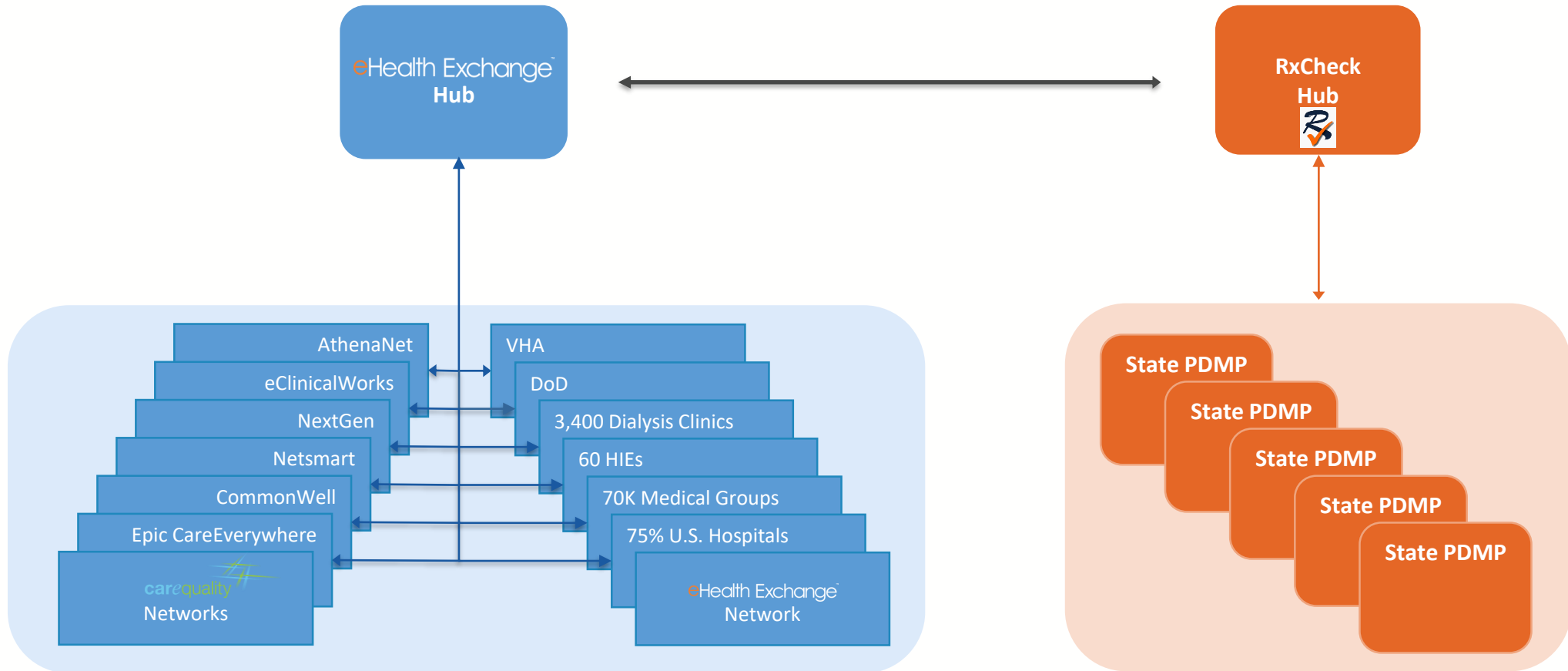
RxCheck Hub – Growing Footprint

http://www.pdmpassist.org/pdf/RxCheck_states_map_20190613.pdf



PDMP EHR Data Integration – Conceptual Architecture

- Inform trusted clinicians of other states' PDMP data as appropriate
- Leverage natural EHR workflows vs web portals
- Inform clinicians during the medication reconciliation process, before prescription writing begins



Next Steps

**Identify &
Address Policy
Constraints**

Can you help?

**Integrate
Technology
Platforms**

RxCheck Hub
&
eHealth Exchange Hub

Pilot

Start
Somewhere!

Questions?

eHealth Exchange™