PDMP & Health IT Integration All-Hands Meeting

August 9th, 2016
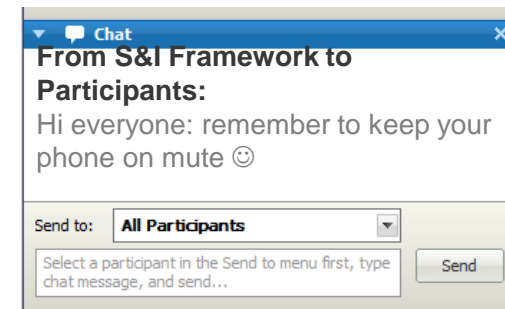
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Meeting Etiquette

- Remember: If you are not speaking keep your phone on mute

- Do not put your phone on hold – if you need to take a call, hang up and dial in again when finished with your other call

  » Hold = Elevator Music = very frustrated speakers and participants

- This meeting, like all of our meetings is being recorded

  » Another reason to keep your phone on mute when not speaking

- Feel free to use the "Chat" feature for questions, comments or any items you would like the moderator or participants to know.

NOTE: This meeting is being recorded and will be posted on the Meeting Artifacts Wiki page after the meeting

Chat

From S&I Framework to Participants:

Hi everyone: remember to keep your phone on mute ☺

Send to: All Participants

Select a participant in the Send to menu first, type chat message, and send…

Send

Pilot Close Out Demonstrations

Working Session Agenda

General Updates	5 minutes
Epic/OneHealthPort/Virginia Close Out Demo	15 minutes
Washington Close Out Demo	15 minutes
Appriss Close Out Demo	15 minutes
Next Steps & Questions	5 minutes

PDMP Pilot Close Out Demonstrations:

Presentation Date:	Organization:
08/02/16	Arizona
08/02/16	**JBS International**
08/02/16	**Kentucky/SpeedScripts/DrFirst**
08/09/16	**Washington**
08/09/16	**Epic/OneHealthPort/Virginia**
08/09/16	**Appriss**
08/23/16	**QS1**
08/23/16	**PDX**
08/23/16	**PAST**
08/23/16	**Wisconsin**

*Pilot sites in **bold text** indicate a confirmed close out presentation.

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Epic/OneHealthPort/Virginia-Close Out Demonstration

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Epic Report Out

August 9, 2016

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Agenda

- **Background of Pilot**

- **Accomplishments**

- **Lessons Learned**

- **Ideas for Path Forward**

- **Questions**

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Background

- Allow Epic clinical users to easily view PDMP information using NCPDP 10.6 messaging.

  » User Story – A clinician logs into Epic and opens the patient encounter, system queries PDMP, clinical user reviews PDMP dispense information.

  » Role:

    – Validated implementation guide met business needs with each pilot state.

    – Developed test cases with each pilot state.

    – Performed end-to-end testing with each pilot state.

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Providers, Partners and the Pilot Team

- Pilot partners:

Pilot State PDMP	Pilot Intermediary
New Mexico	Appriss
Virginia	Appriss
Washington	OneHealthPort
Wisconsin	Appriss

Epic → Intermediary → PDMP

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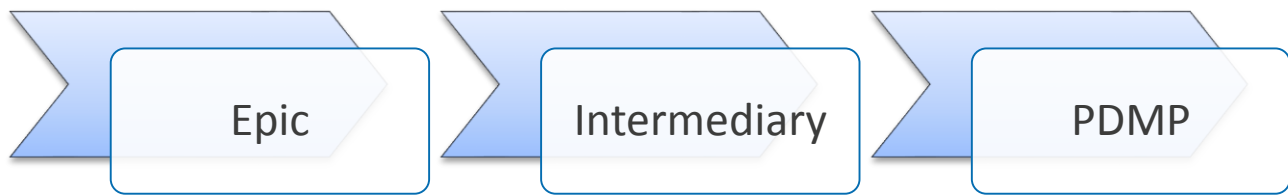
Accomplishments

What was produced from the pilot

- We successfully completed testing with:

  » Virginia through Appriss

  » Washington through OneHealthPort

  » Wisconsin through Appriss

- We started but were unable to complete pilot testing with New Mexico due to a state employee departure.

What was your final result

- While the pilot was conducted from testing environments…

    - One Epic organization is now live with the integration in production.

    - Many other organizations are rolling out the integration with states including but not limited to Illinois, Ohio, Washington, and Wisconsin.

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Lessons Learned

What did you learn

- Gaps between standards limits how some information can be exchanged:

    - Ex: Use of the Note element for dispense level patient demographics and payment type.

- Lack of a single standard across all states will limit adoption.

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Path Forward

Next Steps

- In states where NCPDP messaging is available, we will continue to roll out the integration to interested customers.

- In states where NCPDP messaging is not available, work with those states to develop a solution that will allow clinical users seamless access to PDMP data.

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Contacts:

- Epic
  - Tim Stolldorf

- Appriss
  - Clay Rogers

- OneHealthPort
  - Rhonda May

- Virginia
  - Ralph Orr

- Washington:
  - Chris Baumgartner

- Wisconsin
  - Chad Zadrazil

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Comments/Discussion

Questions?

Comments?

Washington-Close Out Demonstration

WA State - Report Out

August 16, 2016

Agenda

- **Background of Pilot**

- **Accomplishments**

- **Lessons Learned**

- **Ideas for Path Forward**

- **Questions**

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Background

Pilot Goal

- Create a standard transaction for PMP query/response that uses NCPDP 10.6 (as it is currently required for certified EHRs)

  » User Story – a practitioner logs into their EHR and checks the prescription history of a patient

  » Agency Role – The WA State Dept. of Health helped by coordinating the testing between our PDMP vendor and state HIE

  » We developed test cases, worked on the transactions, and then ran a series of tests until the connection worked correctly

Providers, Partners and the Pilot Team

- Our partners included:

  - OneHealthPort – the state HIE

  - Epic

  - Health Information Designs – our PDMP vendor

Epic ⟷ OHP ⟷ WA PDMP
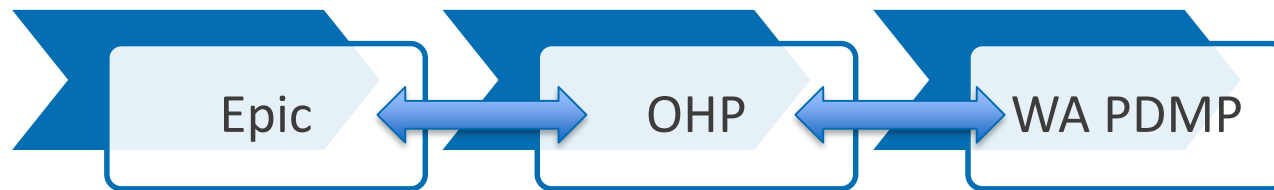
Accomplishments

What was produced from the pilot

- We successfully completed testing the request and response with Epic.

  » The transaction uses NCPDP 10.6

  » The request and response are routed through our state Health Information Exchange

Content

- OHP wrote its own IG in a way that was easier for our trading partners to interpret and understand, and was specific for integrating with HIE.

  - [OHP IG](OHP IG)

- EPIC provided a lot of guidance on what currently comes out of their system and some adaptation of fields used to map specific data occurred as a result.

- The IG was helpful for looking at what was available in the standard for comparison to what our PMP collected and could make available

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What was your final result

- Not only did we complete a successful pilot but…

  - Epic has rolled out to its WA customers an update that allows them to connect to the PDMP via the HIE

  - We have 3 Epic clients planning to connect this year.

- We also have another trading partner (non-Epic user) starting to test using the transaction we piloted

- In all, we have over 80 health systems who have registered to use the PMP under Meaningful Use as a specialized registry

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Lessons Learned

- Time was one constraint we had. It took time to have all the vendors respond to questions or requests. We also had to work on getting test data available in our system.

- Our PDMP vendor had previously implemented a different version of NCPDP so that also took time to recode.

Path Forward

Next Steps

- For WA, we will continue to try and pilot with other EHR vendors.

- We will also continue offering our PDMP for Meaningful Use to incentivize participation.

- From all the work done my hope is to have a single standard listed in the ONC guide for certified EHR systems to ensure we can continue to offer the PDMP for MU.

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Useful Links and Completed Artifacts

» www.doh.wa.gov/pmp

» www.doh.wa.gov/healthit

» http://www.onehealthport.com/sites/default/files/hie/PMP_Implementation_Guide_NCPDP_10.6.pdf

» http://www.epic.com/

» http://www.hidesigns.com/

Contacts:

- Chris Baumgartner, WA State Department of Health

- Rhonda May, OneHealthPort

- Tim Stolldorf, Epic

- Tom Beard, Health Information Designs

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Comments/Discussion

Questions?

Comments?

Appriss PMP Gateway-NCPDP/ASAP Integration

Close Out Demonstration

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- **Background of Pilot**

- **Accomplishments**

- **Lessons Learned**

- **Ideas for Path Forward**

- **Questions**

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Background

Pilot Goal

- Implement PDMP data within healthcare workflow via multiple healthcare standards and via existing hub connectivity with PDMP states.

  » Drive seamless integration of PDMP data within the clinical workflow for prescribers and pharmacists

  » Build bridge of connectivity to provide best of both worlds.

    – PMP Gateway provides Health systems' connectivity with existing Healthcare standards.

    – PMP Gateway provides state PMPs connectivity with existing infrastructure via PMP InterConnect .

  » Coordinate development of ASAP and NCPDP Web Services with the standard bodies.

  » Provide test environment, test data and credentials.

  » Coordinate and facilitate projects between Health Systems, State PMPs, and Appriss.

  » Support Health systems client development.

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Two Different Approaches to Integration

Point-to-Point
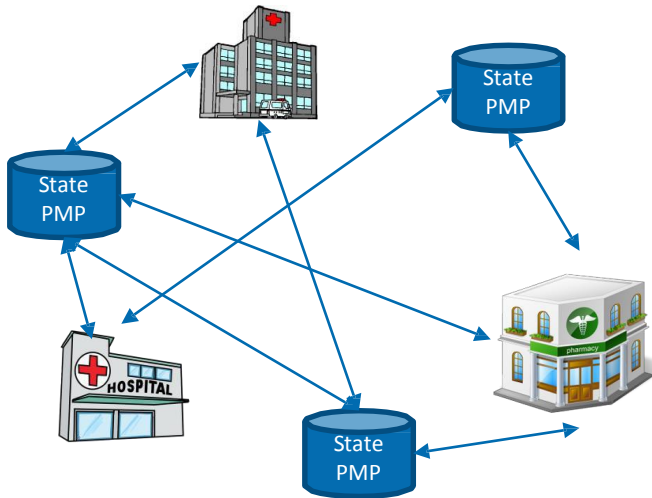
- Every system makes individual connections to every other system it needs to "talk to"
- Each system needs to know how to speak to other systems
- No central location to enforce data sharing rules
- The model is brittle because absorbing a change in one system requires all other connecting systems to change

Gateway/Hub Model
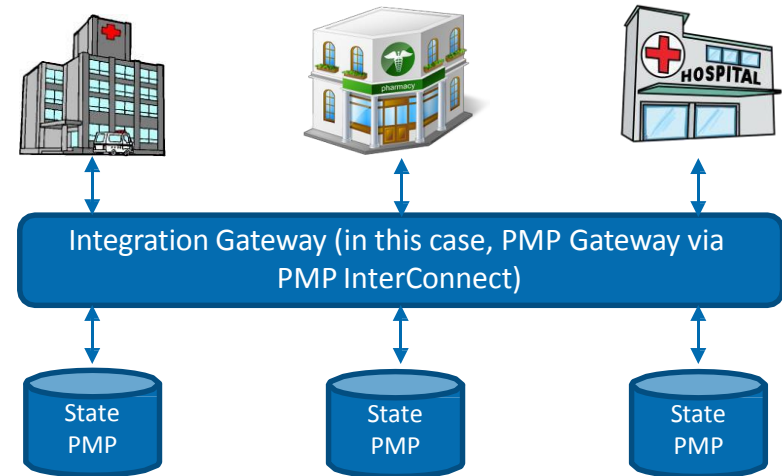
- Every system connects via a Hub/Gateway
- Each system needs to know just one interface
- Central place to locate all data sharing rules
- Hub/Gateway can support multiple protocols
- Individual systems can change/evolve without impacting other systems (so long as how they interact with the Gateway stays the same)

PMP Gateway

- PMP Gateway is an interface that simplifies integration of controlled substance prescription history into health IT systems.

- Provides health IT systems, a single access point to many state PMPs' data via PMP Interconnect, thus saving healthcare providers, the effort of doing individual integrations with each state PDMP.

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Broad Collaboration With Diverse Organizations to Improve and Promote Interoperability
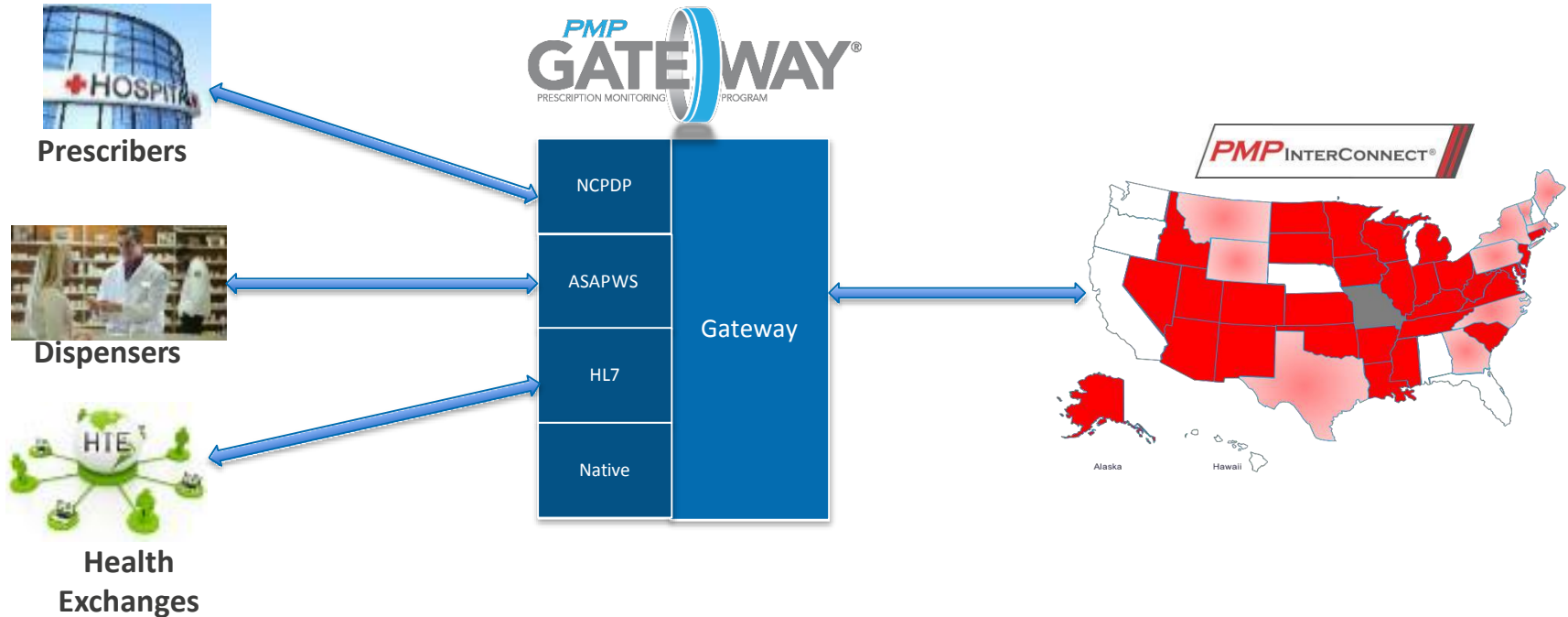
- Industry standard ASAP and NCPDP Gateway Web Services for Health IT vendors to integrate PDMP data within their respective workflow

PMP Gateway – NCPDP Script 10.6

- PMP Gateway supports NCPDP Script 10.6 as an additional option for connectivity using existing data standards.

- Appriss worked in close collaboration with NCPDP on data mapping and identify gaps to support the Script Standard

- Items identified that were added to the NCPDP Script standard:

  » Facility Name and ID.

  » Pharmacist Name and ID.

  » State PMPs to be requested

  » Response codes: Prescription Data, No Data, Disallowed, and Error.

  » Scores i.e. NARxCheck

What was produced from the pilot

Additional Documentation for DERF XXX SCORE.

As part of the request based on the S&I Framework PDMP Pilots, there is a need for a new composite called SCORE. The composite will reside at the main level of the Medication History Response and be 0..Many. The composite will consist of the following structure:

Scores (0.many)

ScoreSource – (1..1)

ReportURL (0..1)

ScoreGroup (1..many)

ScoreName – (0..1)

ScoreValue – (1..1)

FIELD	NAME OF FIELD	DEFINITION OF FIELD	FIELD FORMAT	STANDARD FORMATS	FIELD LENGTH	VALUES	COMMENTS / EXAMPLES
	ScoreSource	Indicates the product or organization generating the associated score and report.	an	s	1..255		
	ReportURL	URL where an additional report with the SCOREValue can be requested.	an	s	1...1000		
	ScoreName	Descriptive name of score	an	s	1..255		
	ScoreValue	Value of score	an	s	1..10		

An example would be as follows:

```
<Scores>
<ScoreSource>NARxCheck></ScoreSource>
<ReportURL>https://www.xxxx/s</ReportURL>
<ScoreName>Narcotics</ScoreName>
<ScoreValue>980</ScoreValue>
<ScoreName>Sedative</ScoreName>
<ScoreValue>120</ScoreValue>
```
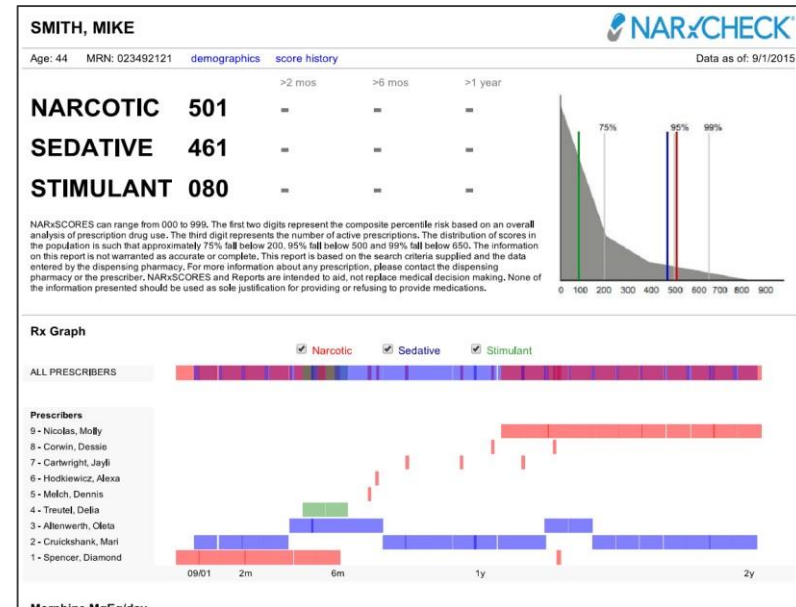```
<ScoreName>Stimulant</ScoreName>
<ScoreValue>312</ScoreValue>
</Scores>
```

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# Delivering Advanced Analytics for clinicians

NAR✗CHECK®

- Developed by an emergency room Physician
- 3X more predictive than CDC guidelines
- Speeds use of PMP based decisions
- Allows deep population analytics



**Case Study**

Kroger

- Enterprise user of Gateway / NarxCheck
- Motivation: patient safety, ability to meet "corresponding responsibility" efficiently
- Systematically access and quickly use PMP information within their Pharmacy Management System
- Live in 13 states (869 stores)
- Expecting to launch additional states, 600 stores by in Q4 2016
- *90% increase in utilization of PMP data and analytics with integration*
- Survey in Indiana:
  - *> 99% respondents like having data in workflow and won't go back*
  - *> 98% report improved confidence in clinical decisions with NARxCHECK*

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# PMP Gateway - ASAP Web Services

- PMP Gateway supports ASAP Web Services as an additional option for connectivity using existing data standards.

- Appriss worked in close collaboration with ASAP for PMP Gateway to support the ASAP Web Service Implementation Guide.

- Functionality Supported:

  » Ad Hoc Query

  » Data Only (Prescription History)

  » NARxChECK (Prescription History + Scores)

  » Allows specifying more than once state in the request
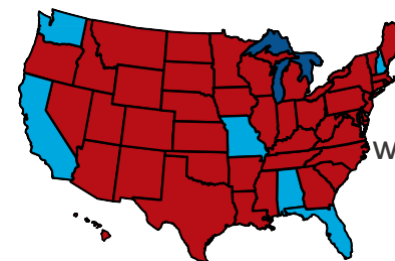
- Not supported:

  » Pick List

  » Automated Poll

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# Providers, partners and the pilot team

| EHR/Pharmacy IT | Hub | PDMP |
|---|---|---|
| **NCPDP 10.6** | | |
| Epic | OneHealthPort | WAState |
| Epic | Appriss | Virginia |
| Epic | Appriss | Wisconsin |
| | | |
| DrFirst | Appriss | Arizona |
| DrFirst | Appriss | Kentucky |
| NextGen | Appriss | Kentucky |
| NextGen | Appriss | Arizona |
| NextGen | Appriss | Wisconsin |
| PAST | Appriss | Arizona |
| **ASAP Web Services** | | |
| QS1 | Appriss | S. Carolina |
| QS1 | Appriss | Virginia |
| PDX | Appriss | Arizona |
| PDX | Appriss | Kentucky |
| PDX | Appriss | Ohio |
| PDX | Appriss | Virginia |
| Speed Scripts | Appriss | Kentucky |

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# Accomplishments

# Changing the Way PMP Data is Used

- Gateway is an interface that simplifies integration of controlled substance prescription history from the PMPI Hub into health IT systems.

- Provides health IT systems a single access point to 44 states data. Eliminates the effort of doing individual integrations with each state PMP.

- Integrated with the leading EMR Platforms, Pharmacy Systems and HIE's

- Improves control over data access and dramatically lowers the time required by practitioners

- OH and MA have deployed enterprise licenses to all prescribers and dispensers in their states. *21 states to date have the Gateway operational.*

- Over 5 million transactions a month

44 states working together

**PMP**INTERCONNECT®

**PMP** GATEWAY®
PRESCRIPTION MONITORING PROGRAM

**H** Dispensers  **Rx** Prescribers  Health Exchanges

# Lessons Learned

# What did you learn

- When working with multiple states, anticipate additional time required to sort through data security and privacy related issues

- Collaborated with agency level Directors, CIO and IT security decision makers well in advance of project start-up

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# Path Forward

- Additional focus required for delivery of analytical content that is of value for the state and their stakeholders

- Appriss will continue to support PDMP data integrations within the clinical workflow

- As a result of participating with the ONC Integration pilots, additional connectivity options are now available:

  » HL7 Connectivity

  » Native API

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# Questions?

# Comments?

# Final Deliverables

| Item | Artifact | Due Date | Status |
|------|----------|----------|--------|
| PDMP Implementation Guide | Final PDMP IG | Early June | Completed |
| Pilot Demos and Report Outs | Each pilot will produce a pilot report out presentation similar to the pilot introduction presentations.  The goal of the pilot report out is to share with the community the accomplishments of each pilot, any challenges the pilot had and what would be a good next step | Mid June-Mid August | In Progress |
| PDMP Supplemental Guide | Word document which contains additional items that impacted pilots that were not necessarily the technical solutions which were tested and documented in the IG | August | In Progress |
| Closing Ceremony | Final Presentation to the larger ONC/S&I community on the accomplishments of our initiative – community members are invited to participate as part of our final close out | September 20th | In Progress |

# Next Steps

- Meetings are held bi-weekly

  – Next All Hands Meeting will be held Tuesday, August 23rd

- Close out demonstrations have been scheduled through the end of August

- The close out demo slide deck is available via the PDMP Wiki page: http://wiki.siframework.org/PDMP+%26+Health+IT+Integration+Homepage

- The PDMP Closing Ceremony will take place on September 20th during our regularly scheduled community call

- All pilot sites: Please update your entries in the Interoperability Proving Ground (IPG)

  » To access the IPG: **https://www.healthit.gov/techlab/ipg/**

# Contact Information

- **For questions, please feel free to contact your support leads:**
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