

# **Prescription Monitoring Programs: Past Present and Future**

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***ASAP***

**2008 Midyear Industry & Technology Issues Conference**

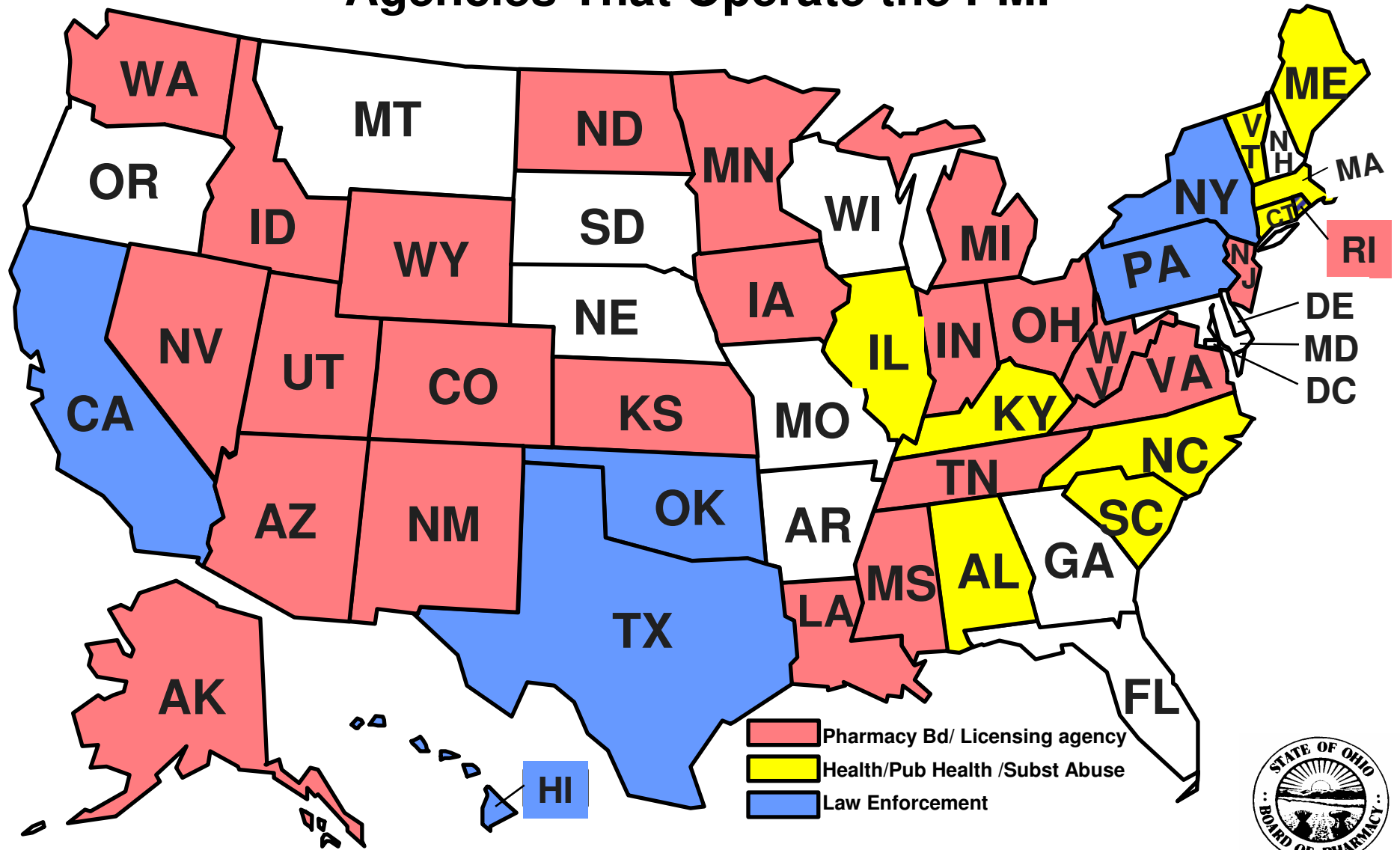
June 19, 2008








# States with Prescription Monitoring Programs

## Agencies That Operate the PMP



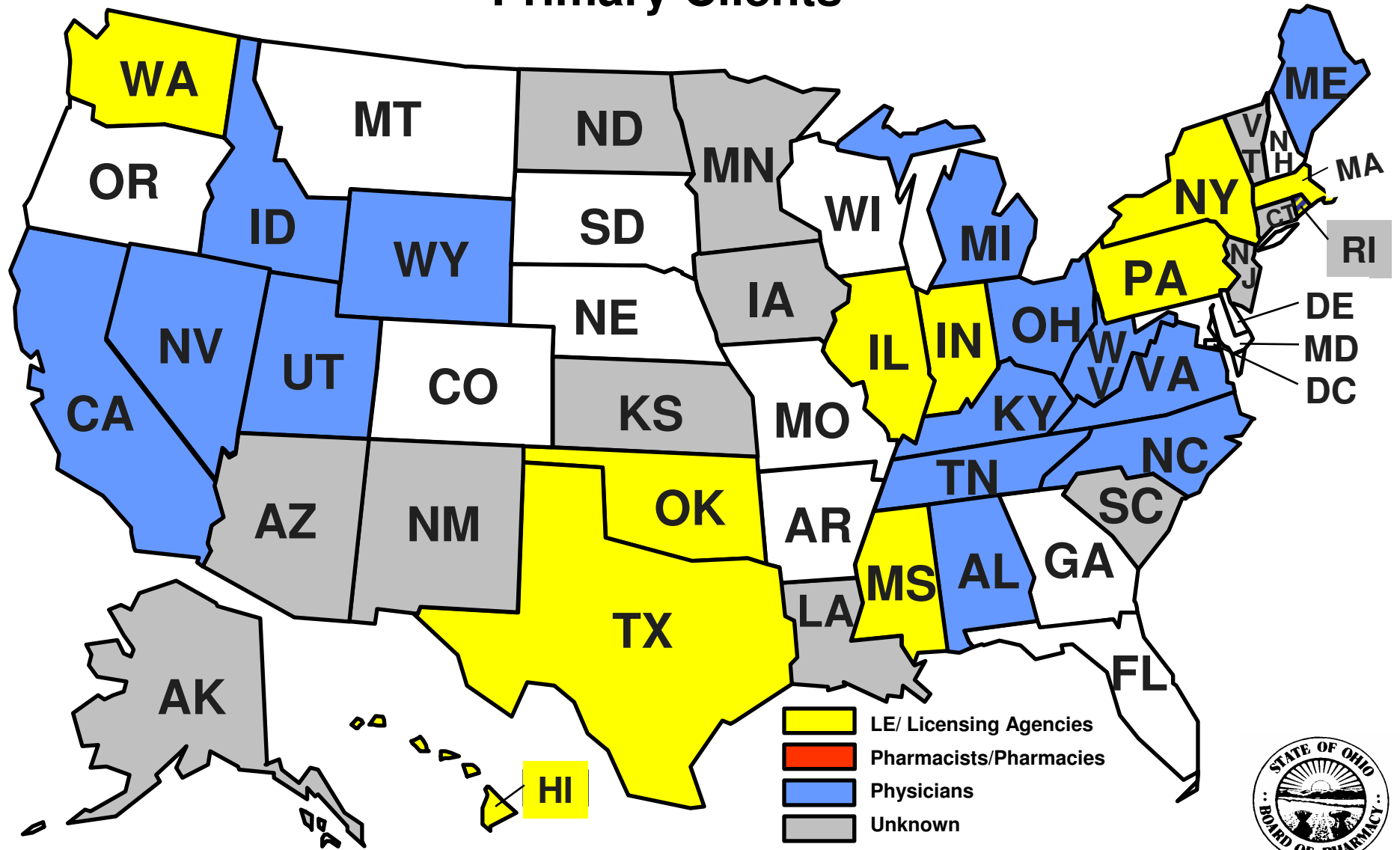
-  Pharmacy Bd/ Licensing agency
-  Health/Pub Health /Subst Abuse
-  Law Enforcement



As of 4/17/2008



# States with Prescription Monitoring Programs Primary Clients\*



\*Primary client is unknown until program is operational

As of 4/17/2008

# 50 State Programs

- Pros
  - States have different problems
  - States have different resources
  - States have different approaches
- Cons
  - Patients cross borders

# Interstate Data Sharing

- BJA-IJIS Institute
  - PMP Committee
    - State Representatives

AL	NV
CA	NY
KY	OH
MA	OK

- Vendors

# BJA-IJIS Institute

- **Membership consists of leading Integrated Justice solution and service providers**
- **Public-private partnerships assist state, local, municipal & tribal justice agencies to better share information through use of advanced technologies**
- **Programs funded by the U.S. Department of Justice**

# PMP Committee

- **Phase I**
  - Develop a *Concept of Operations* document
  - Develop a system architecture for states
  - Produce a final report
- **Phase II**
  - Create a set of ‘reference documents’ that describe a model standard
  - Demonstrate PMP data exchange between California & Nevada

# PMP Committee

- **Phase I Project Objectives**
  - ✓ Develop a *Concept of Operations* document to support the existing model standards and describe the exchange of PMP information between states
  - ✓ Develop a system architecture for states to implement, in support of such information exchanges
  - ✓ Produce a final report that includes recommendations for updates to the GJXDM to support PMP information sharing (Global Justice Exchange Data Model)
- **Phase II Project Objectives**
  - ✓ Create a set of 'reference documents' that describe a model standard for the exchange, based on the GJXDM
  - ✓ Create a demonstration of PMP information sharing involving California and Nevada
  - ✓ Develop cost models for these states to support an electronic PMP information exchange

# Phase II → Phase III

- **At least 3 exchange partners**
  - **Ohio**
  - **Kentucky**
  - **NV, NY, others?**
- **More complex solution architecture**
  - **Technological hub – no access to PMP data**
- **Scalable**

# Phase III – Current Status

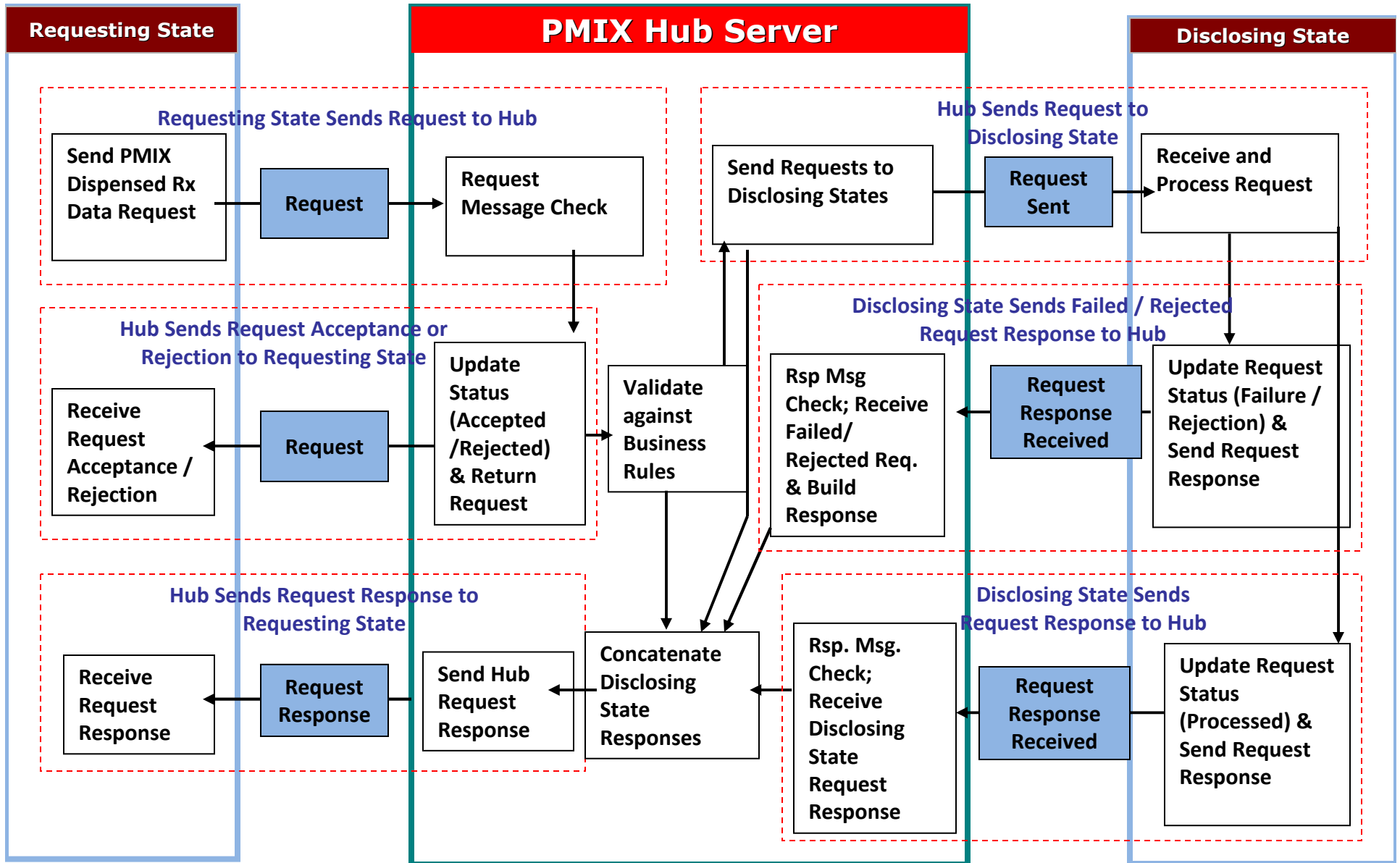
- Phase III initiated - May 2007
- Information Exchange Package Document (IEPD) for exchange model completed in August 07
- Initial definition of Hub server specifications completed
- 1Q 2008– Procurement of Hub server
- Development of Hub application software

# Limits of Project

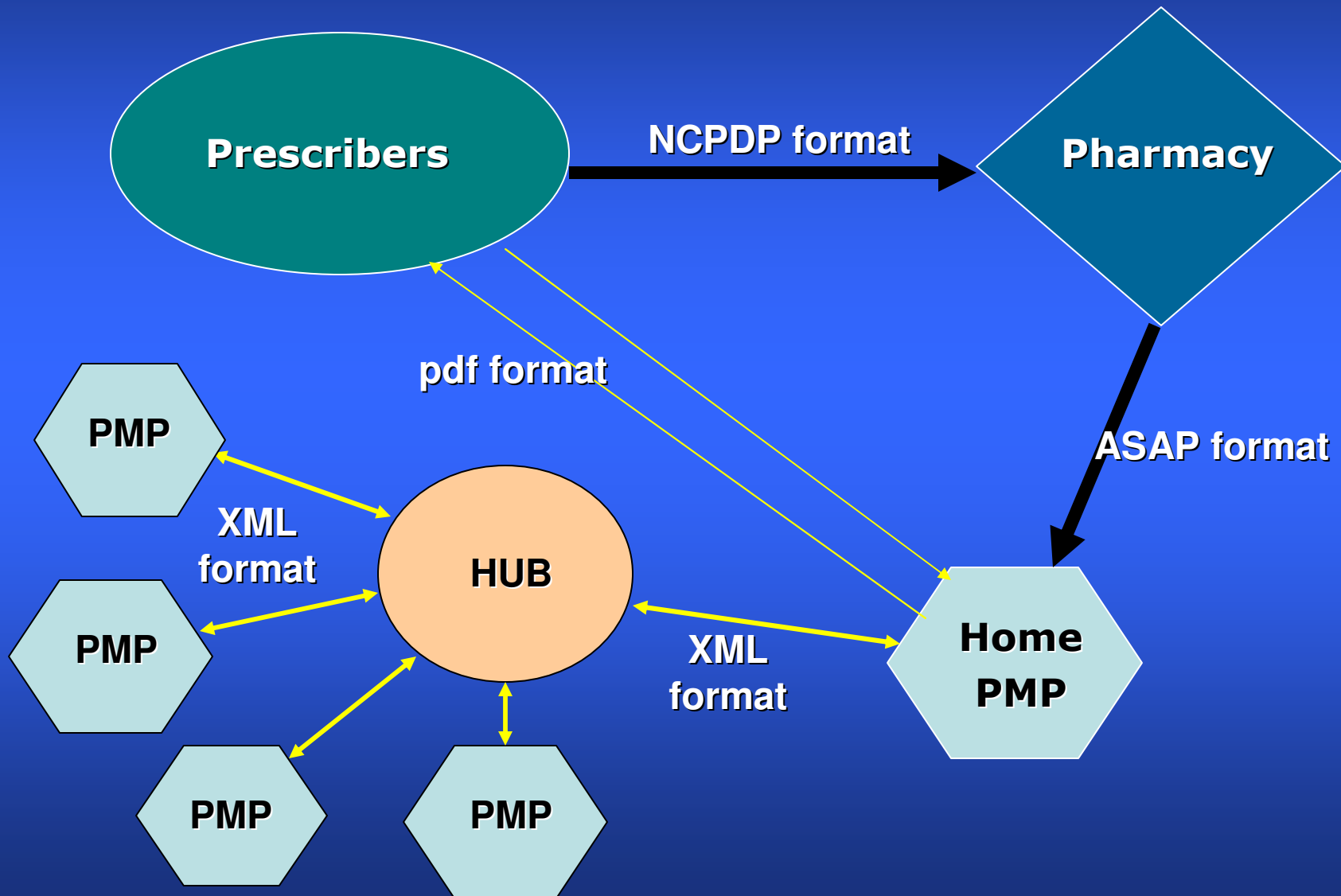
- **Pilot only**
  - **Success = 3 data exchanges**
- **Test data only**
- **Patient data only**

# Goals of Project

- **Prove the technology**
- **Develop cost models for states**
  - **Specs for front end and back end**
  - **Costs for maintenance**
- **Develop Reference documents for IT departments**



# Rx Data



# Request for patient data

- **Message accepted or rejected—  
Receiving state notified**
- **Checked against business rules in Hub  
– accepted or rejected – receiving state  
notified**
- **Disclosing states send report or  
rejection – receiving state notified.**

# Request for patient data

- **Response types:**
  - **Can't understand message**
  - **Business rule rejection**
  - **Disclosing state won't respond**
    - **System down**
    - **Other rejection**
  - **Report/data**

# Each State must provide

- **Front end to allow inter-state requests by clients**
- **Back end to respond to hub and relay data/report to another state via hub**
- **Web services**
- **State Network security**

# “Front End”

- **Graphical Interface for the local state’s clients to request data from sharing states (e.g. Adding checkboxes for KY, WV, IN, MI, etc to Ohio’s request screen).**
- **Accessible to Authenticated Clients Only**
- **Can be described as the actual screen that the PMP Client sees when he/she makes a multi-state request and the wiring to send the message.**

# “Back End”

- **Internal (Not Human Accessible) logic for the PMP to create a request to send to the hub and to receive a data response package from the hub.**
- **Can be described as the behind-the-scenes work that creates a multi-state request from one of its own clients, processes a multi-state request received by another PMP’s client and processes a response from the hub to one of its own clients.**

# Web Services

- **External (Internet Accessible) interface for communication with the hub.**
- **This can be described as the door to the state PMP that the Hub uses to deliver and accept requests and responses**

# Security

- Ensures that calls to the Web Services are initiated only by the hub and that all communications between the hub and the Web Services are secure (strongly encrypted).
- The internal payload (PHI) will be encrypted separately. The Hub will not decrypt. The receiving state will decrypt.

# Funding

- **OH – 2007 Rogers Grant Funds**
- **KY – Capital Construction Funds**
- **IJIS/BJA Phase III Project Funds**

# Future expansion

- Add prescriber reports?
- Add dispenser reports?
- Bulk data transfers?
- Alerts or other non-Rx information?

# **ASAP 2007**

**Implementation Guide  
for the  
ASAP Standard  
for  
Prescription-Monitoring Programs  
2007  
Version 004 • Release 000**

**American Society for Automation in Pharmacy**

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# ASAP 2007

- **OH implemented ASAP 2005 in 2006**
- **Lessons learned**
- **Incorporated into ASAP 2007**

# ASAP 2007 Overview

- **More flexible format for**
  - Real-time
  - Batch files
- **More efficient**
  - Looping clarified
- **More precise**
  - E.g. Quantity for compounded drugs

# ASAP 2007

## Overview

### Improvements

- More detailed instructions
- Greater consistency
- Use of decimals
- More examples
- Appendices with codes

# ASAP 2007 Overview

## New elements

Human vs. animal

## Discarded elements –

“Not Used” fields such as

- Rx end date
- DAW code
- Refills remaining

# ASAP 2007 Overview

## New features

- Human vs. animal data element
- All fields are “Required” or “Situational”
- Looping clarity

# **ASAP 2007 Overview**

## **4 core reporting segments**

- Patient Information**
- Dispensing Information**
- Prescriber Information**
- Additional Information**

# ASAP 2007 Overview

## Additional Information Reporting

- AIR=State Specific Requirements
  - State issued Rx serial number
  - Relationship of person dropping off or picking up Rx.
  - ID of person dropping off or picking up
  - Name or initials of pharmacist

# ASAP 2007

## Example of File – Real Time

TH – Transaction Header

IS – Information Source

PHA – Pharmacy Header

PAT – Patient information

DSP – Dispensing info

PRE – Prescriber info

CDI – if applicable

AIR – if applicable

DSP – etc

DSP – etc

TP – Pharmacy Trailer

TT – Transaction Trailer

# ASAP 2007

## Example of File – Batch (1 pharmacy)

TH- Transaction Header

IS-Information Source

PHA – Pharmacy Header

PAT – Patient information

DSP – Dispensing info

PRE – Prescriber info

CDI – if applicable

AIR – if applicable

PAT – Patient

DSP – Dispensing info

DSP – Dispensing info

PAT – Patient

etc.

TP – Pharmacy Trailer

TT – Transaction Trailer

# ASAP 2007

## Example of File – Batch – Drug Chains

TH- Transaction Header

IS-Information Source

PHA – Pharmacy Header

PAT – Patient information

DSP – Dispensing info

PRE – Prescriber info

CDI – if applicable

AIR – if applicable

PAT – Patient

DSP – etc

TP – Pharmacy Trailer

PHA - Pharmacy

PAT – Patient

DSP –

TP – Pharmacy Trailer

TT – Transaction Trailer

# QUESTIONS