



OAR_RS & PMP Gateway

OHIO AUTOMATED RX REPORTING SYSTEM

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Ohio Automated Rx Reporting System (OARRS)

- Ohio's Prescription Monitoring Program (PMP)
 - A system which collects prescription information from pharmacies, stores it in a secure database, and produces patient-specific reports for healthcare professionals and law enforcement officers.
 - 49 states, the District of Columbia, and the territory of Guam have a PMP.
 - Missouri is the only state without a PMP.



What is OARRS?

- Web-based system authorized by ORC 4729.75.
- In operation since October 2, 2006.
- In 2015, the system collected more than 24 million prescription records reported for 4 million patients.
- All pharmacies licensed by OSBP and prescribers who personally furnish controlled substances (except veterinarians) must submit data within 24 hours.
- VA facilities report outpatient prescriptions to OARRS within 24 hours.



What is OARRS?

- 3 years of identifiable patient data maintained (ORC 4729.82).
- De-identified information kept for research purposes.
- More than 76,000 patients' prescription reports are queried daily.
- 99.9% of reports are generated automatically within 3-4 seconds.



Dangerous Drug Classifications

Dangerous drugs require a prescription:

Non-Controlled Prescription Drugs

- No known/proven potential for abuse and addiction.

Controlled Substances

- Schedules I-V, baseline determined by the DEA.
- Board of Pharmacy may supplement or tighten control (ORC 3719)
- Potential for abuse, dependence, addiction and diversion.



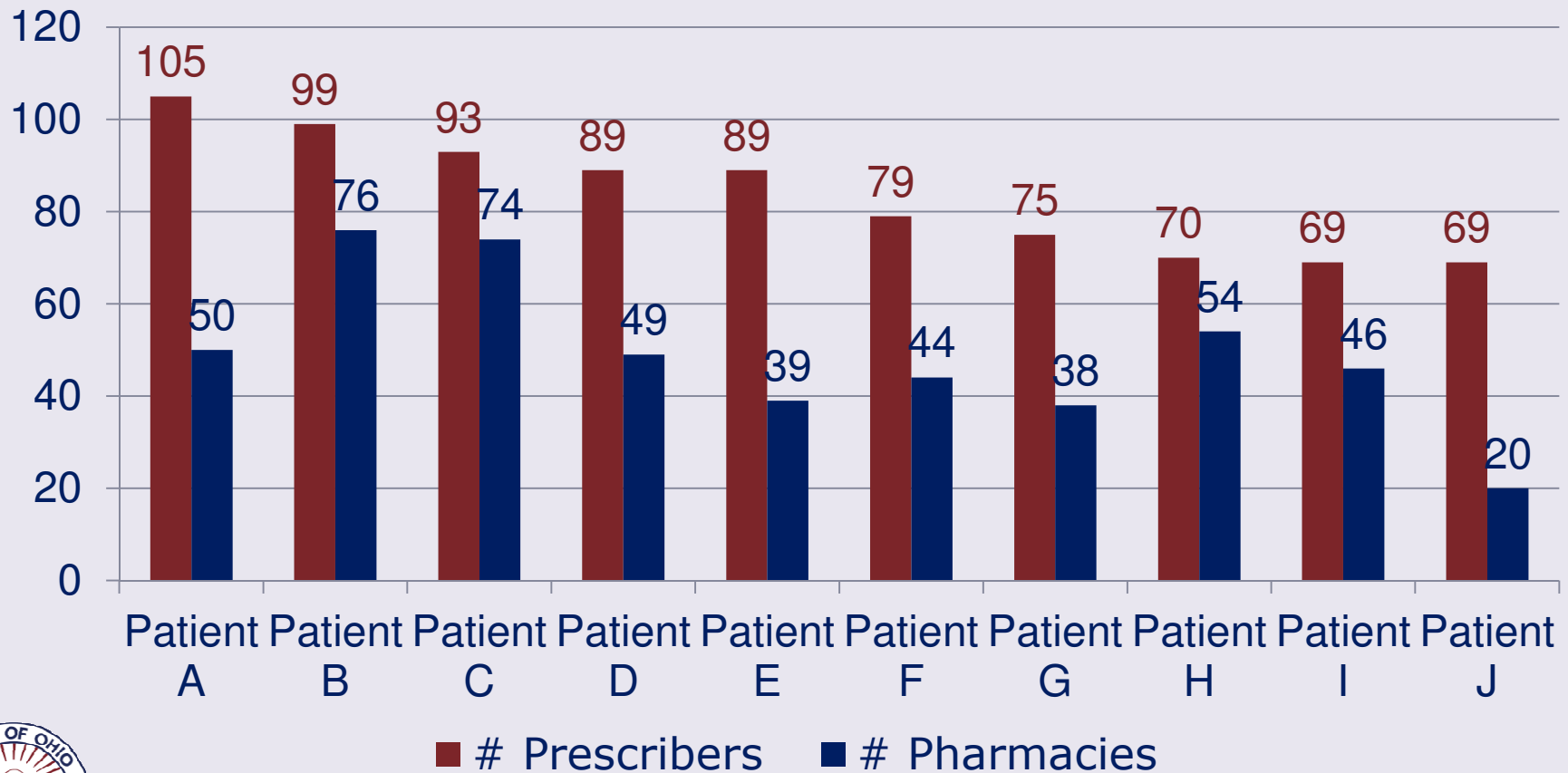
Why OARRS?

- OARRS is designed to monitor this information for suspected abuse or diversion (i.e., the transfer of legally prescribed drugs for illegal use).
- Provides a prescriber or pharmacist critical information regarding a patient's controlled substance prescription history.
- This information can help prescribers and pharmacists identify high-risk patients who would benefit from early interventions.



Why OARRS?

Top 10 "Doctor Shoppers" 2006



Who Can Access OARRS?

Authorized Users (ORC 4729.80) include:

- Prescribers & Prescriber Delegates – for current or potential patients for the purpose of treatment and for a patient’s mother if providing medical treatment to a newborn or infant patient diagnosed as opioid dependent.
- Pharmacists & Pharmacist Delegates – for current patients for the purpose of practicing pharmacy.
- Law enforcement and health care regulatory boards – during an active investigation.



Who Can Access OARRS?

- Ohio Department of Medicaid – for Medicaid recipients.
- Medical and Pharmacy Directors of Medicaid Managed Care – for patients assigned to the managed care organization.
- Workers' Compensation – for Workers' Compensation recipients.
- Medical Directors of BWC Managed Care – for patients assigned to the managed care organization.



Monitoring the Data

OARRS Staff Required to Review the System for Potential Violations of Ohio's Drug Laws (ORC 4729.81)

- Improper Prescribing
 - High instances of known drug cocktails (i.e. opioids and benzodiazepines)
 - Prescribing outside of scope of practice
 - Prescribing levels statistically outside of "norm"
- Doctor Shopping
- ORC Chapter 2925: DRUG OFFENSES



2014 Drug Overdose Statistics

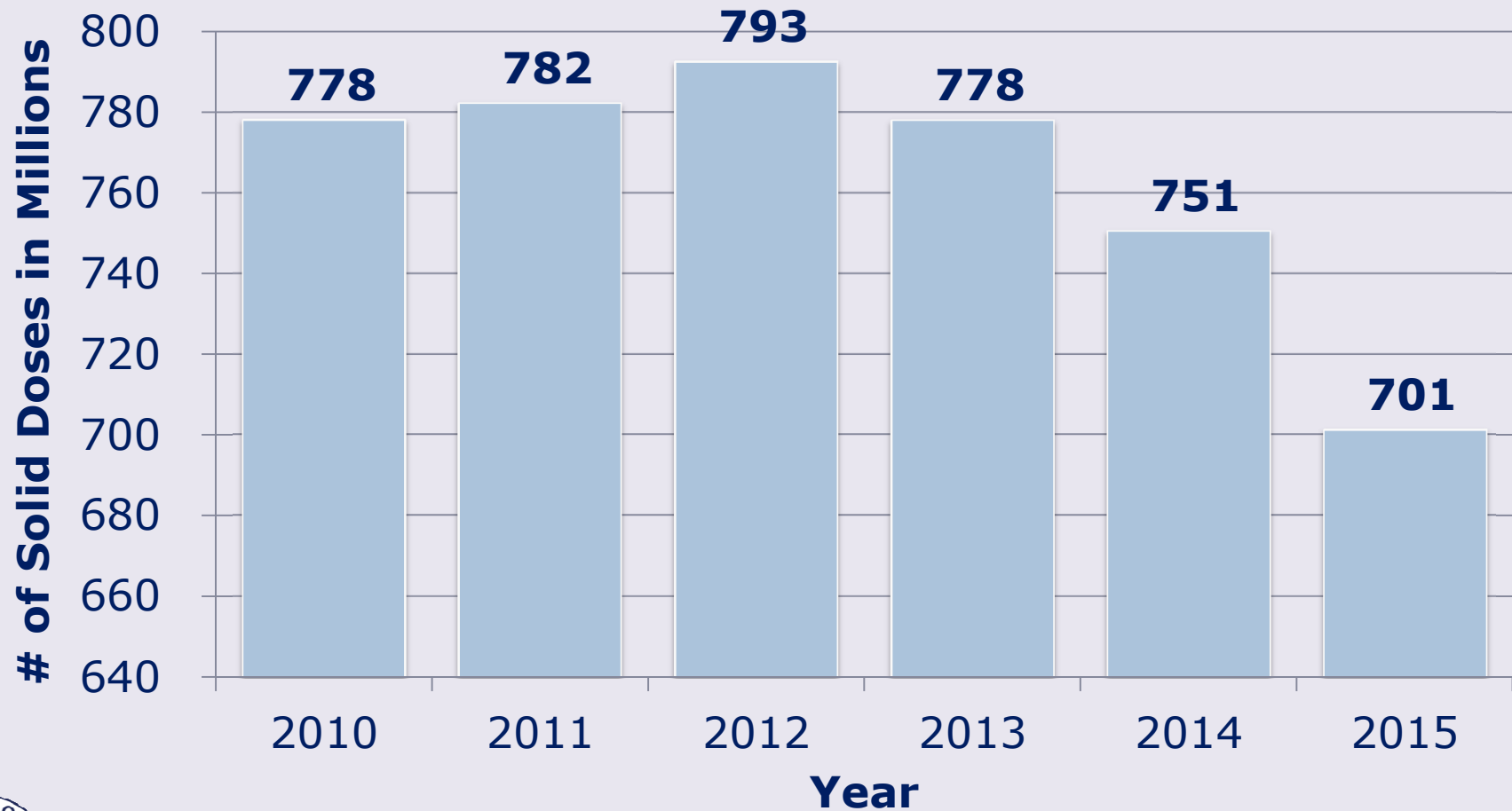
- 70% of all unintentional drug overdose deaths (1,746) had at least one prescription in OARRS for a controlled substance dispensed after 7/1/2013.
- 37% of unintentional drug overdose deaths involving prescription opioids (432) had at least one prescription for an opioid within 30 days prior to their death.



Number of OARRS Queries, by Year



Opioids Dispensed to Ohio Patients, by Year



Number of Doctor Shoppers*, by Year



**In this chart, a doctor shopper is defined as an individual receiving a prescription from 5 or more prescribers in 1 calendar month.*

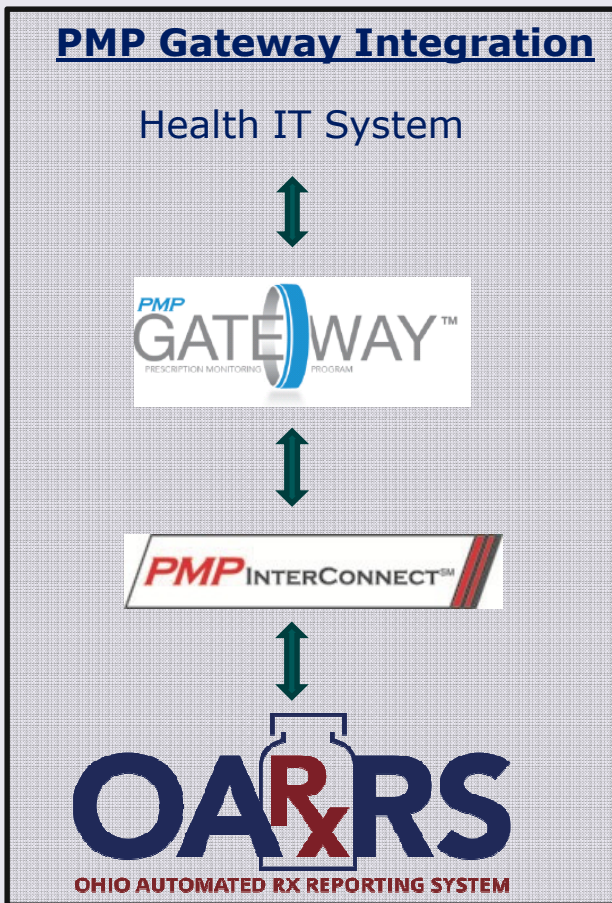


Why Integrate?

- On average, it takes 3 minutes to:
 - Open a browser
 - Browse to www.ohiopmp.gov
 - Enter UserName and Password
 - Enter patient information
 - Retrieve report
- At \$88/hr, 3 minutes costs \$4.40/report
- In 2015, Prescribers ran nearly 11 million OARRS reports



Enterprise Integration Solution



Advantages

- Leverages existing OARRS connection
 - no development required
- Ready today
- Software vendors can leverage development for other states
- State-wide enterprise licensing
 - Leverages economies of scale
 - State sublicenses to health systems, hospitals, physicians, etc. at no cost



OARRS Integration

- 10/26/15, Governor Kasich announced a \$1.5 million/year to integrate OARRS via Appriss PMP Gateway into electronic medical records and pharmacy dispensing systems across the state, allowing instant access for prescribers and pharmacists.
- For more information – www.pharmacy.ohio.gov/integration

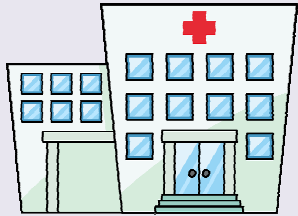




PMP Gateway

What is it, how it works

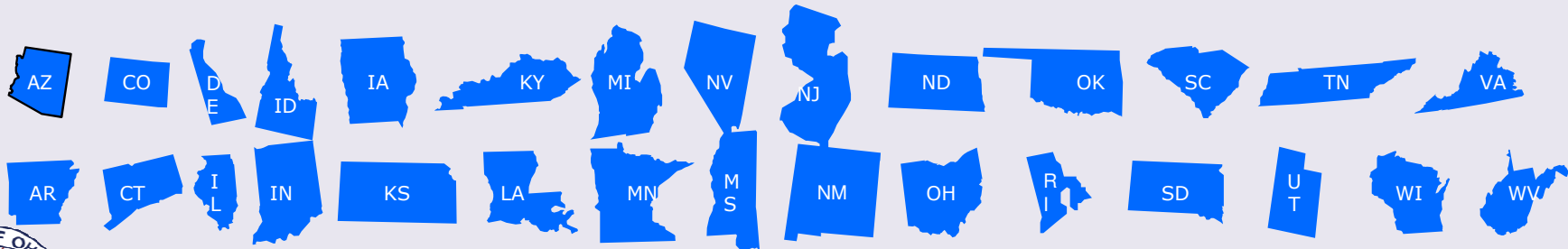
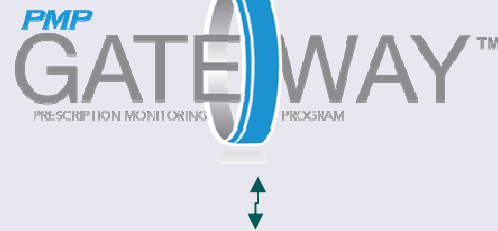
What is PMP Gateway



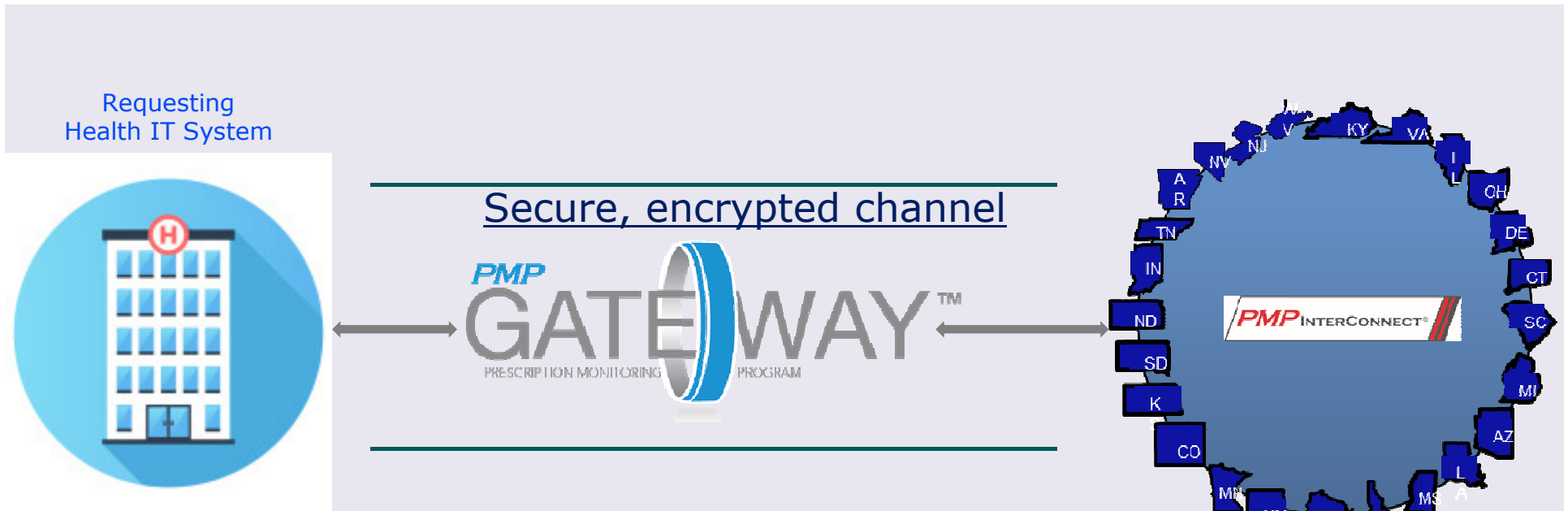
Healthcare entities benefit from a single point of access to multi-state data



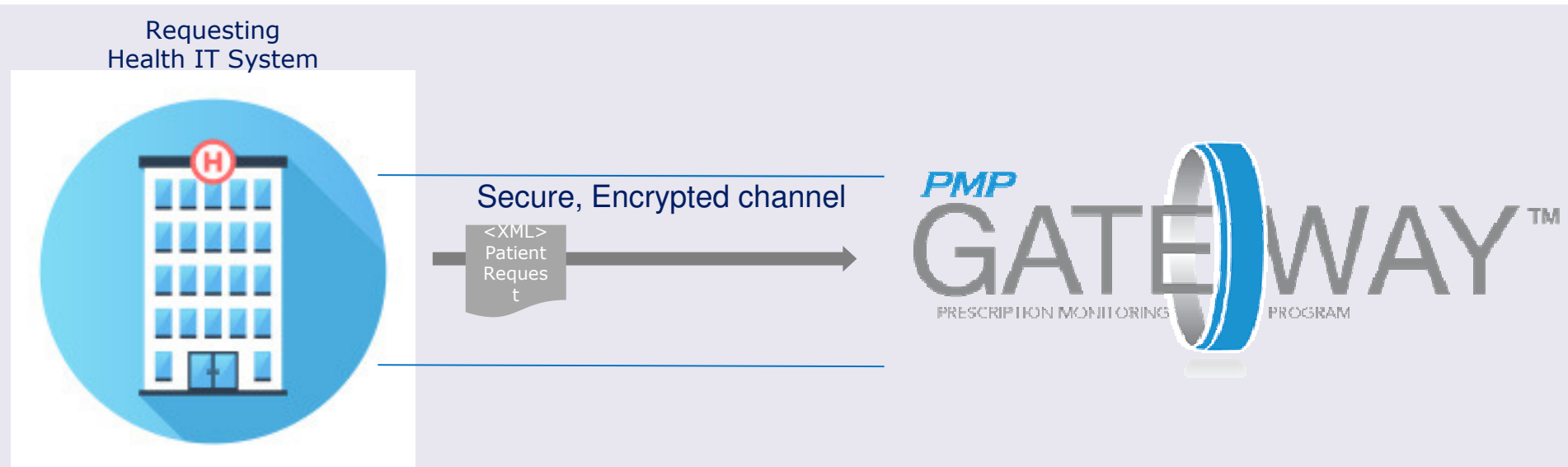
States benefit by promoting integration through a single conduit



End-to-End Picture of Integration



Health IT System Sends PMP Gateway a Patient Request

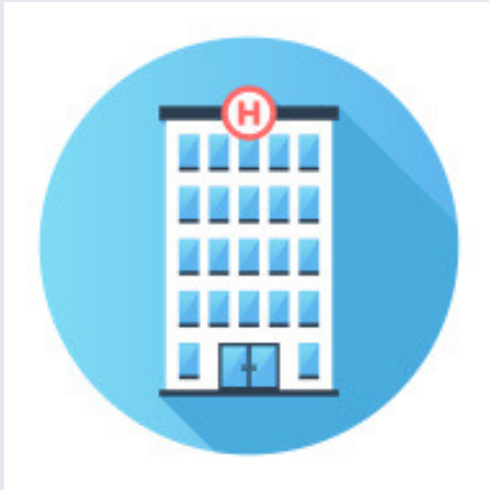


- Report request can be triggered off upcoming appointments (at provider) or off incoming prescription requests (at pharmacy)
- Smart triggering of requests expedites access to the data
- Physicians (and pharmacists) get access to PMP reports in seconds, not minutes



Information Provided in PMP Gateway Patient Request

Requesting Health IT System



Secure, Encrypted channel

<XML>
Patient Request

What the Patient Request Contains



Name: Acme Hospital
Identifier*: NPI 123456789
State Code: State



First Name: Mike
Last Name: Smith
Role: Physician
Identifier**: DEA AB123456789



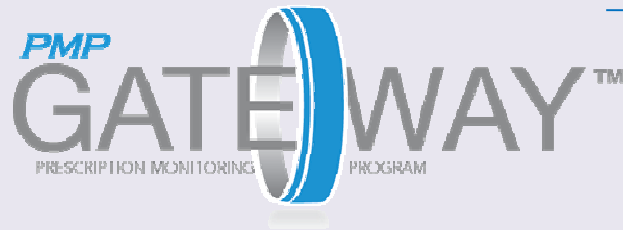
First Name: John
Last Name: Doe
Zip: 99999
DOB: 1900-01-01
Phone: 555-555-5555

* The identifier for the facility can be one of the following: DEA, NPI, or NCPDP

** The identifier for the requestor can be one of the following: DEA, NPI, or professional license

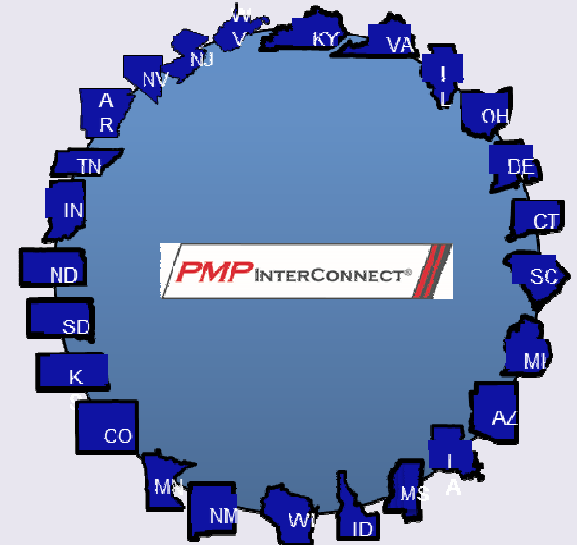


Gateway Sends Patient Request on to PMP InterConnect

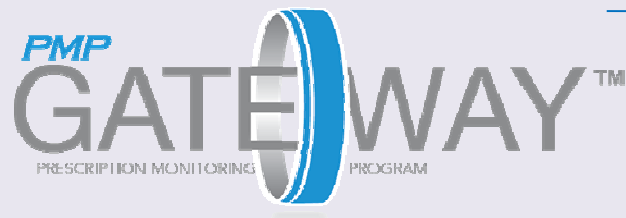


Secure, encrypted channel

<XML>
Patient
Request

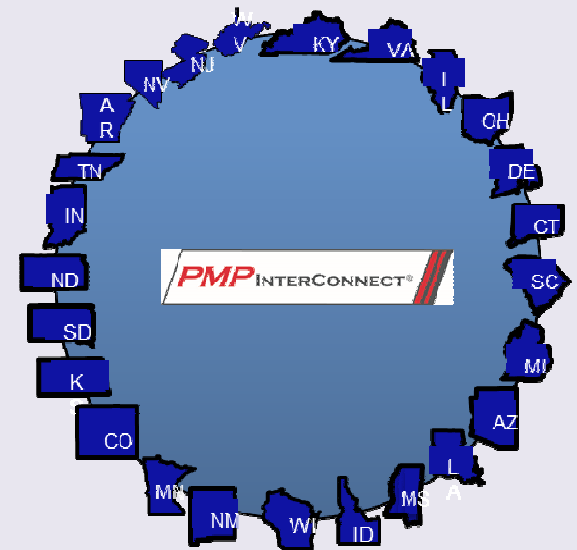


PMP InterConnect Responds with Data from State PMPs

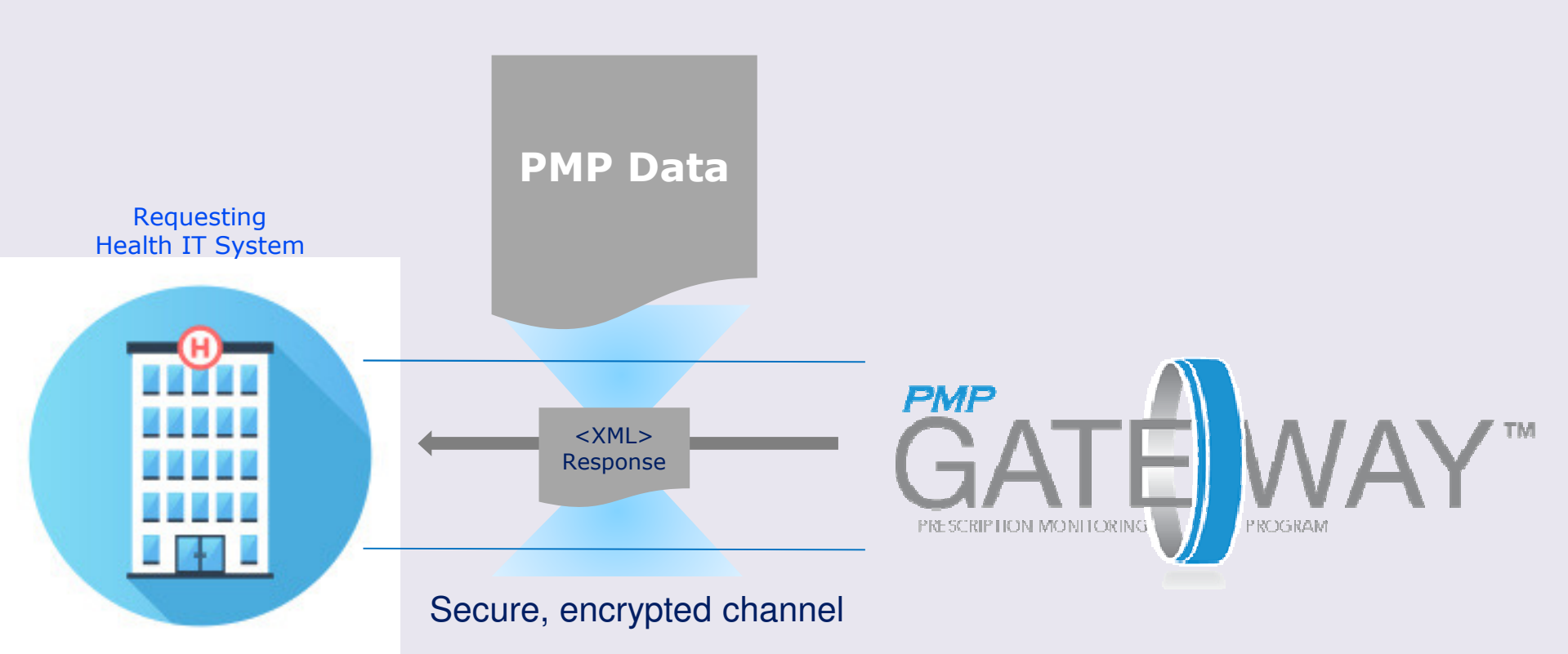


Secure, encrypted channel

Encrypted Response XML



PMP Gateway Provides PMP Data Back to Requestor

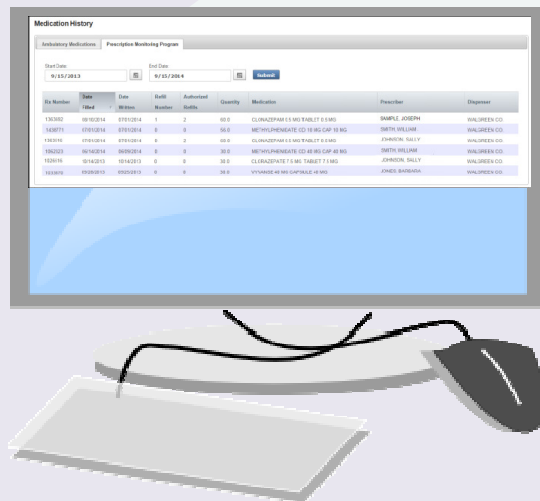


Doctor Views PMP Report Within Electronic Medical Record



Acme Hospital

EMR





PMP Gateway

How to get connected?

Onboarding Process

- Healthcare organization (provider or pharmacy organization) to fill out Integration Request Form
- Board of Pharmacy reviews and approves software vendor for integration
- Healthcare organization to review and accept terms & conditions of use
- Upon approval by OSBP, Appriss contacts healthcare organization (and its vendor) to commence technical integration



PMP Gateway is More Than Just An Interface

- Integration Toolkit
 - Application Programming Interface(s)
 - Sample code
- Integration Service Infrastructure
 - Technical assistance to connecting organizations
 - Assistance with end-to-end testing
 - 24x7x365 technical support
 - Automatic enforcement of interstate data sharing laws (through PMP InterConnect)
 - Audit trails for compliance monitoring
 - Reporting and analytics for states
 - Pre-built connectors to major Health IT Systems as they get built anywhere in the country

