

Prescription Monitoring Programs And Interstate Data Sharing: Operational Issues

Danna E Droz, RPh, JD

PMP Administrator

Ohio State Board of Pharmacy

**Promising Legal Responses to the Epidemic of
Prescription Drug Overdoses in the United States**

Atlanta, GA

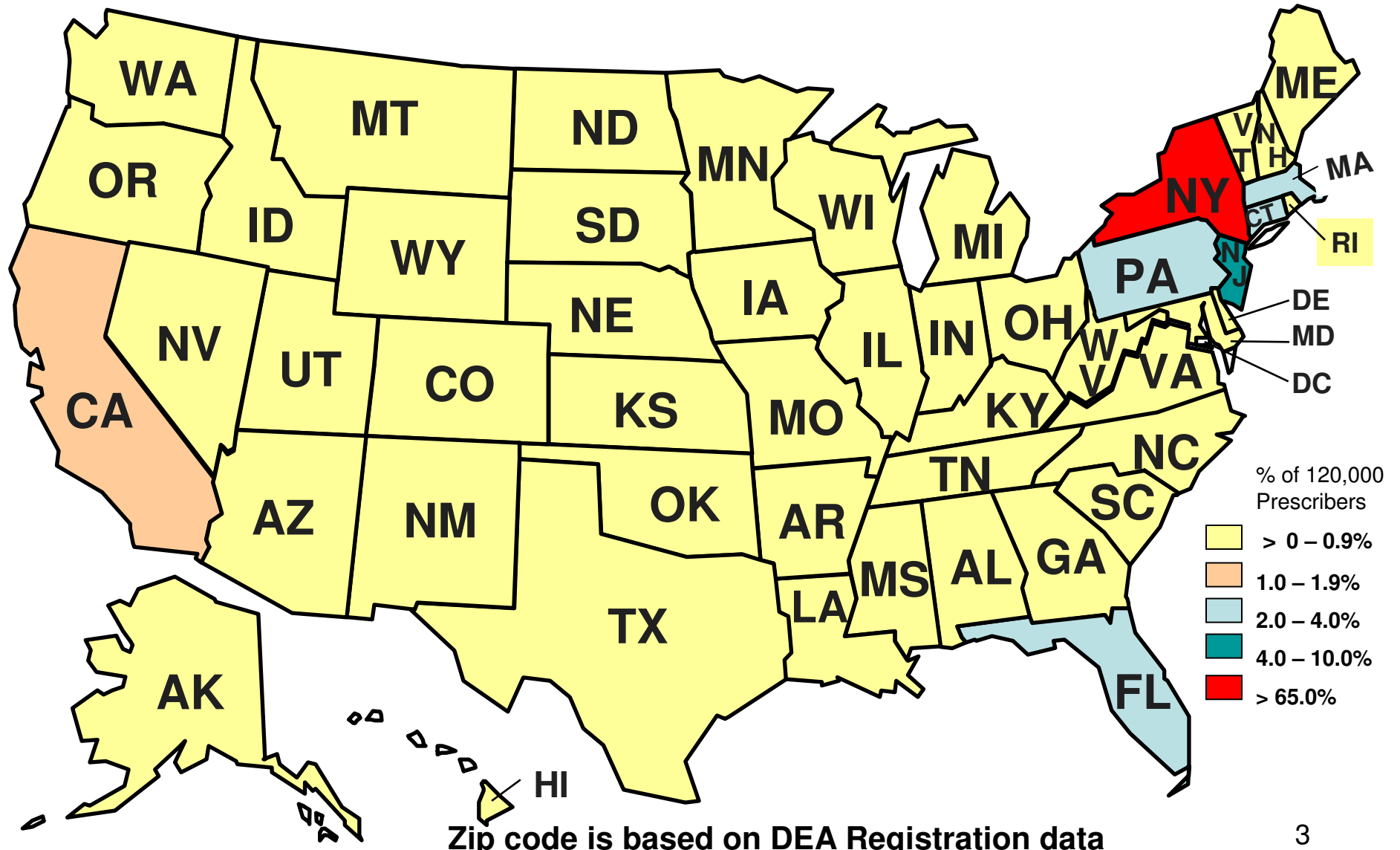
December 2-3, 2008

50 State Programs

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

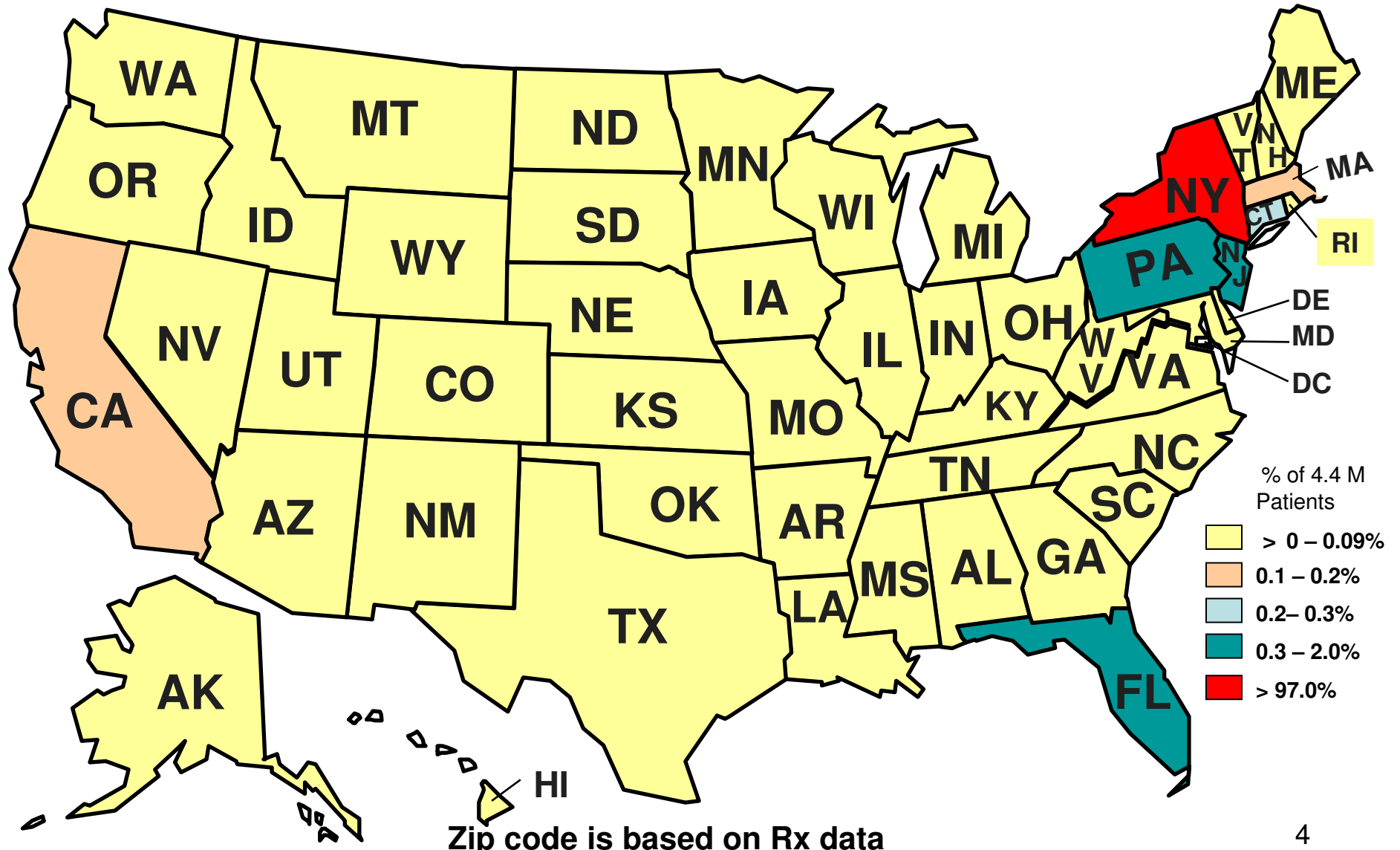
Zip Code of Prescribers in NY PMP

2007 Data



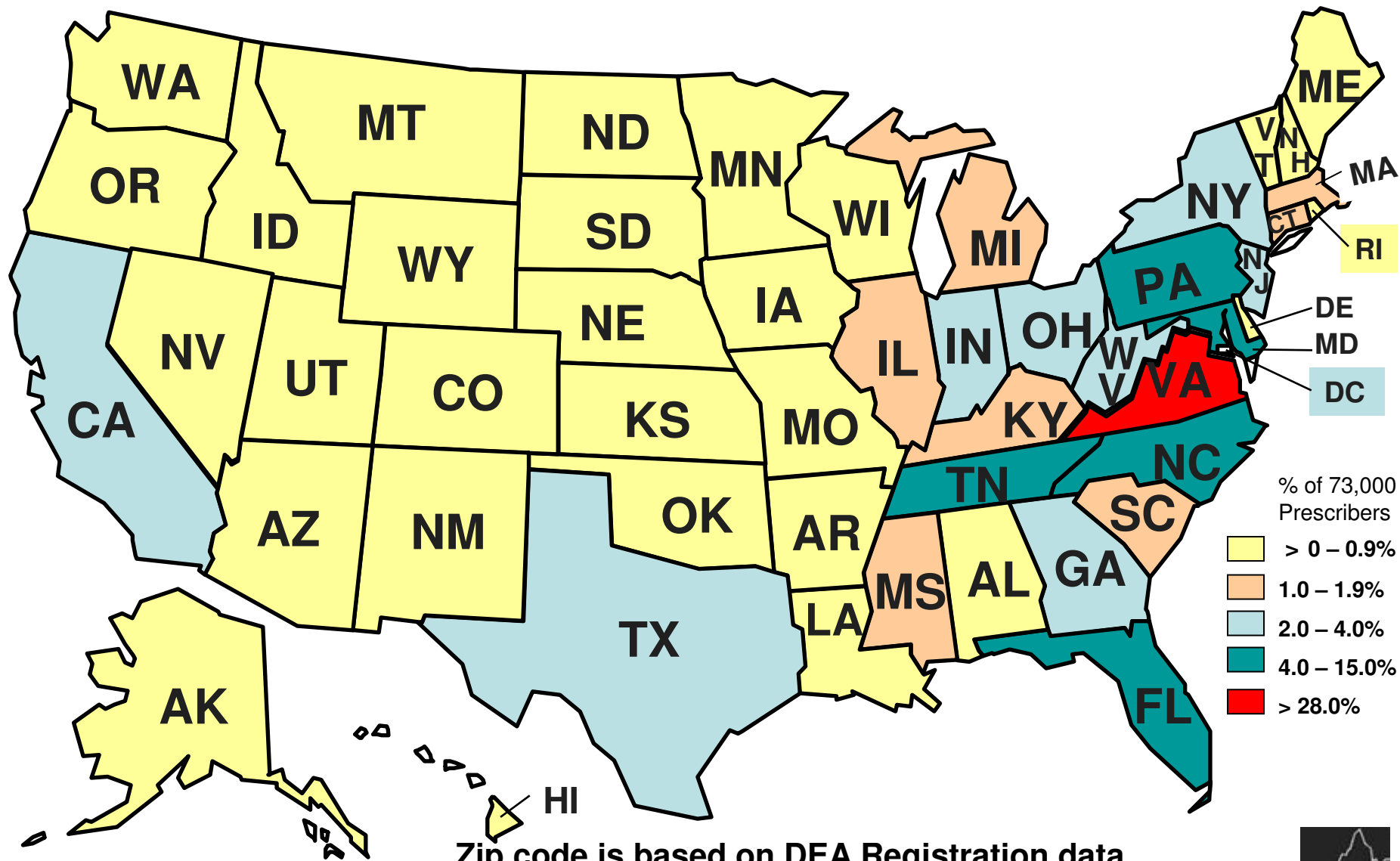
Zip Code of Patients in NY PMP

2007 Data



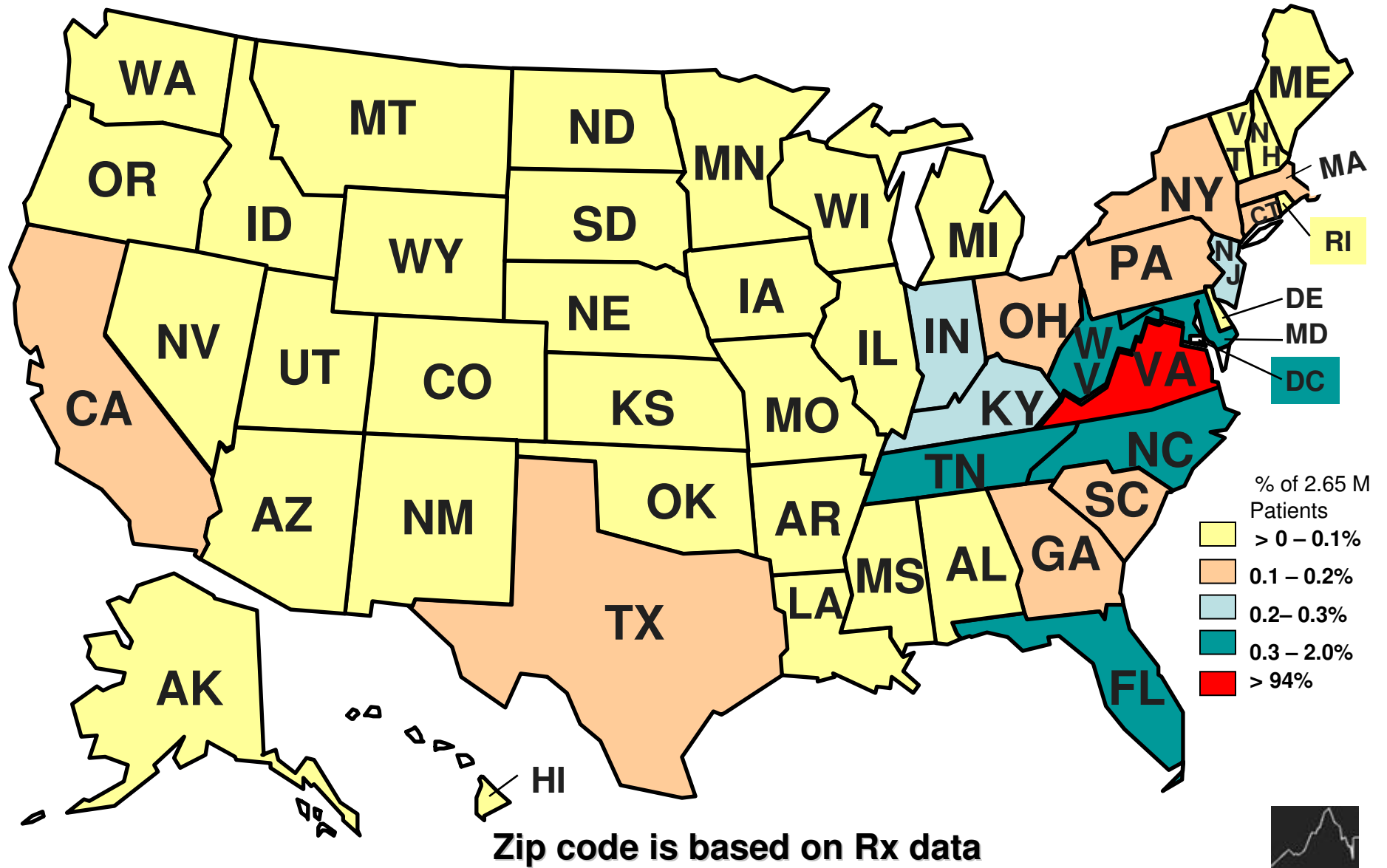
Zip Code of Prescribers in VA PMP

2007 Data



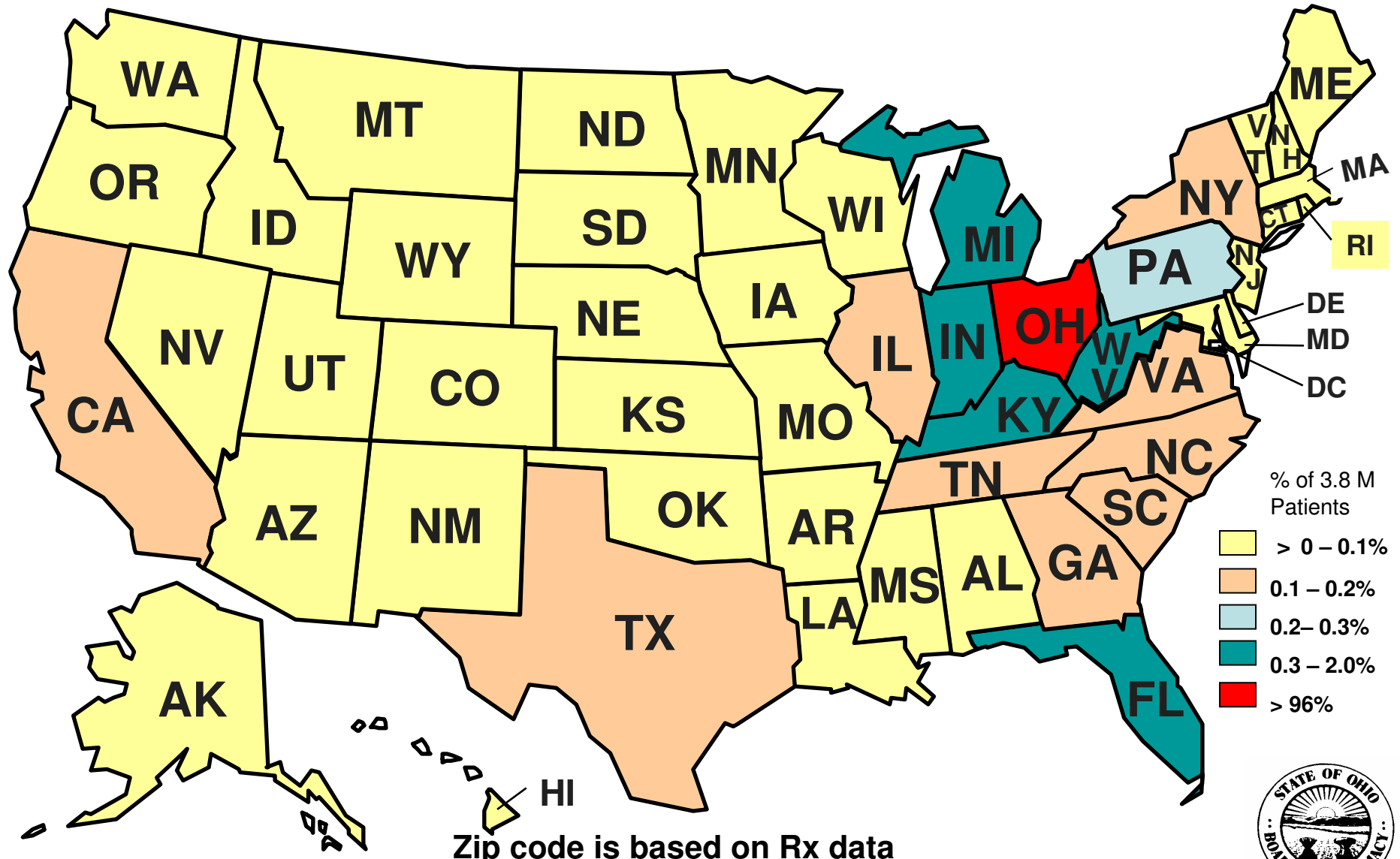
Zip Code of Patients in VA PMP

2007 Data



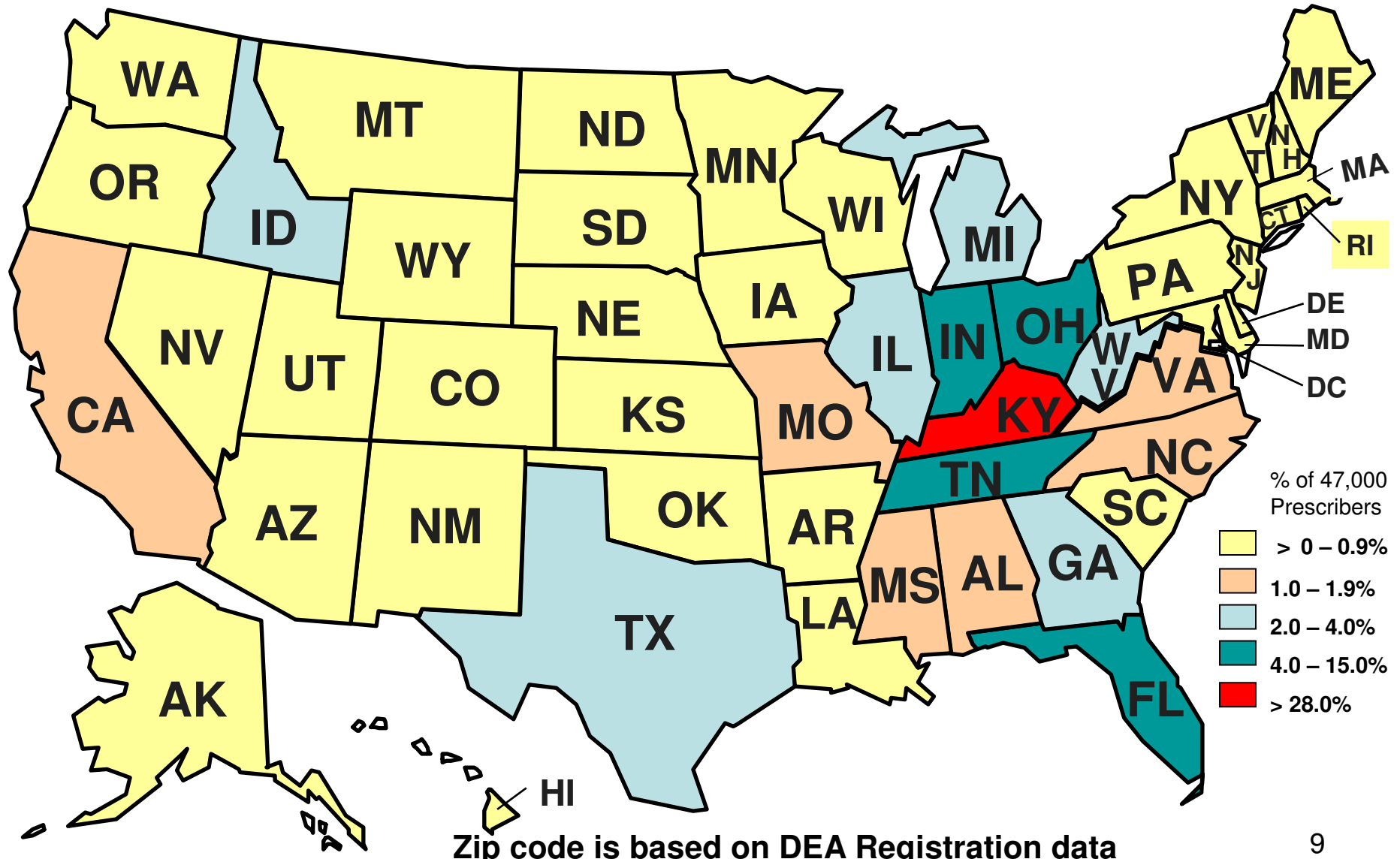
Zip Code of Patients in Ohio PMP

2007 Data



Zip Code of Prescribers in KY PMP

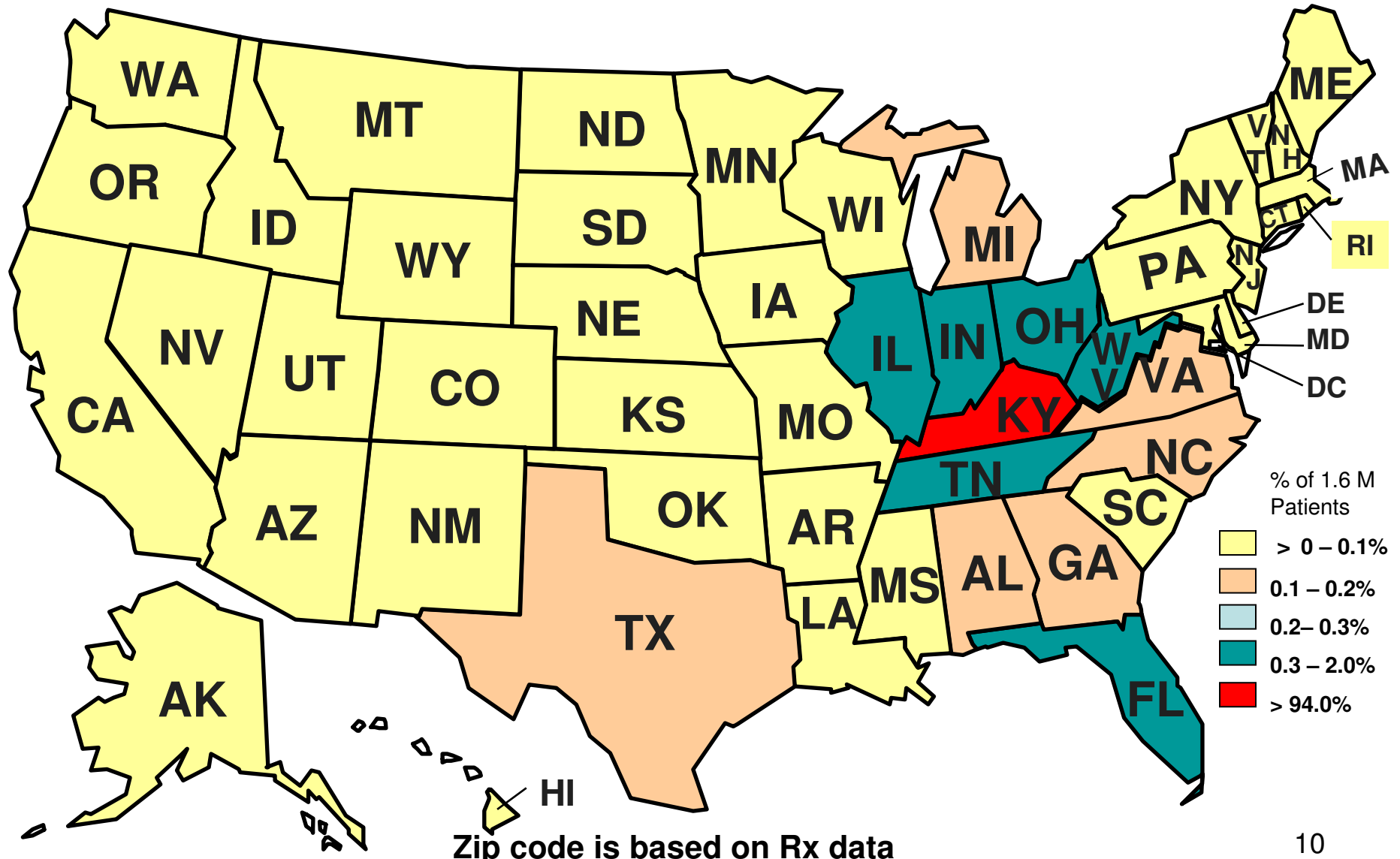
2007 Data



Zip code is based on DEA Registration data

Zip Code of Patients in KY PMP

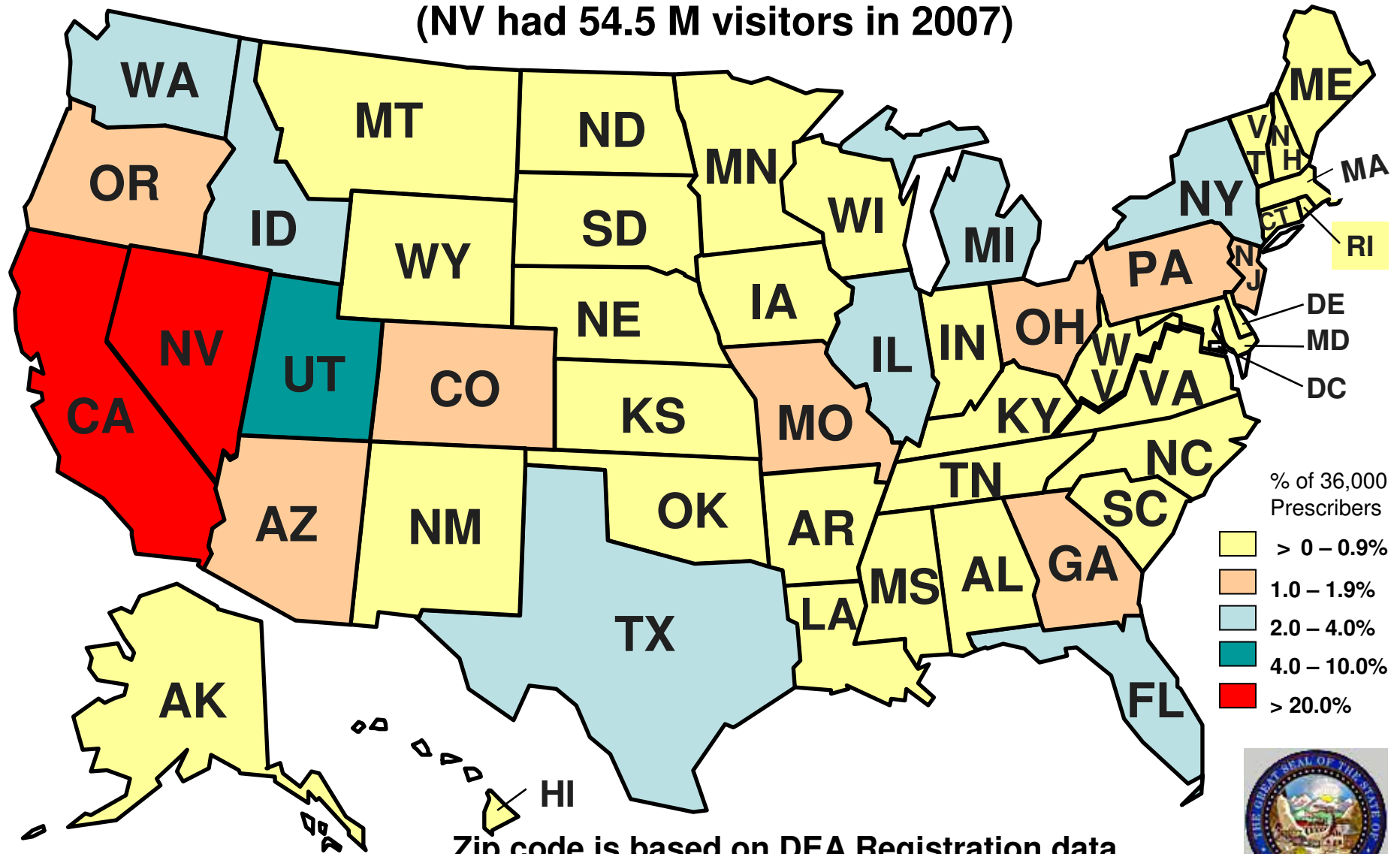
2007 Data



Zip Code of Prescribers in NV PMP

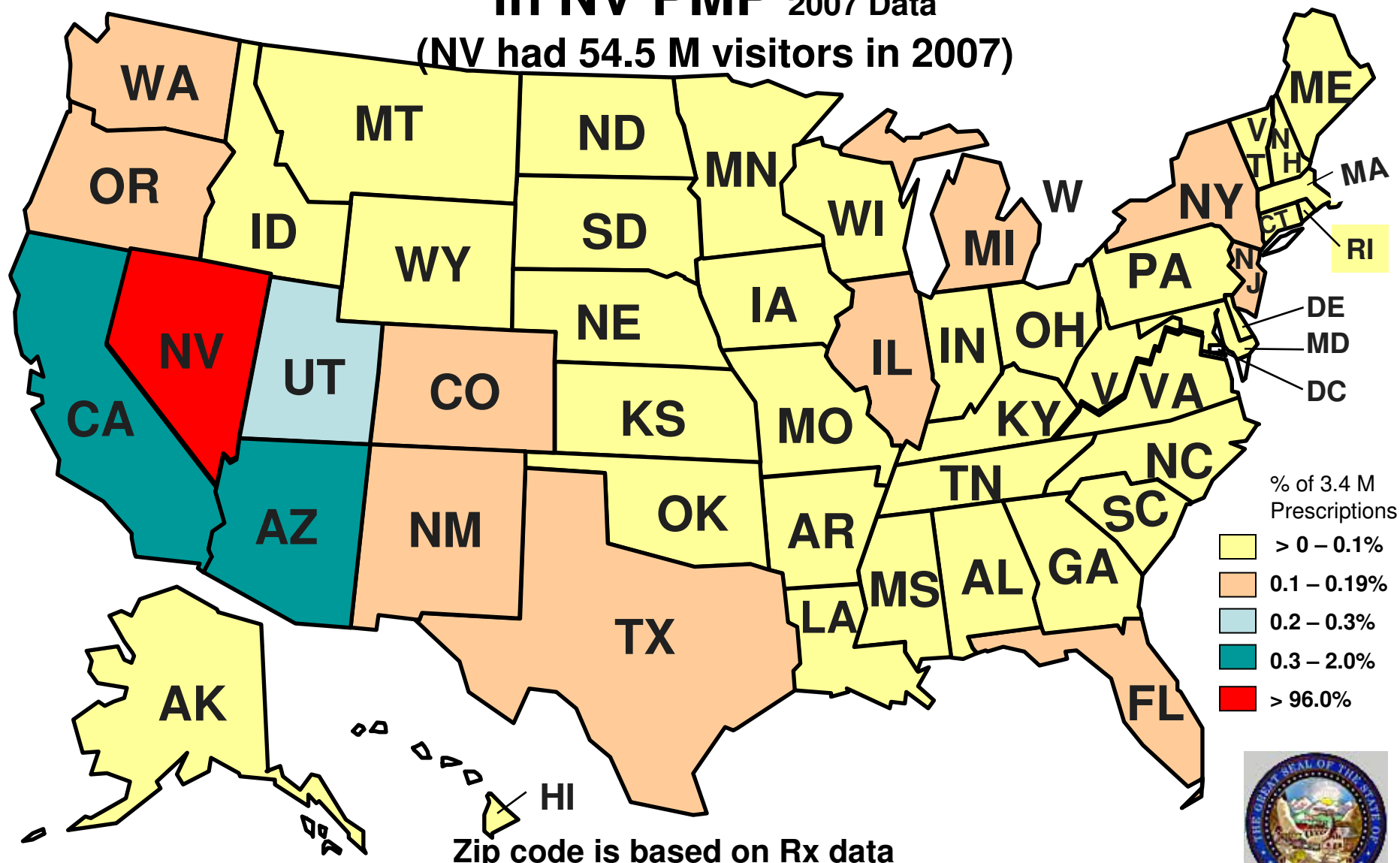
2007 Data

(NV had 54.5 M visitors in 2007)



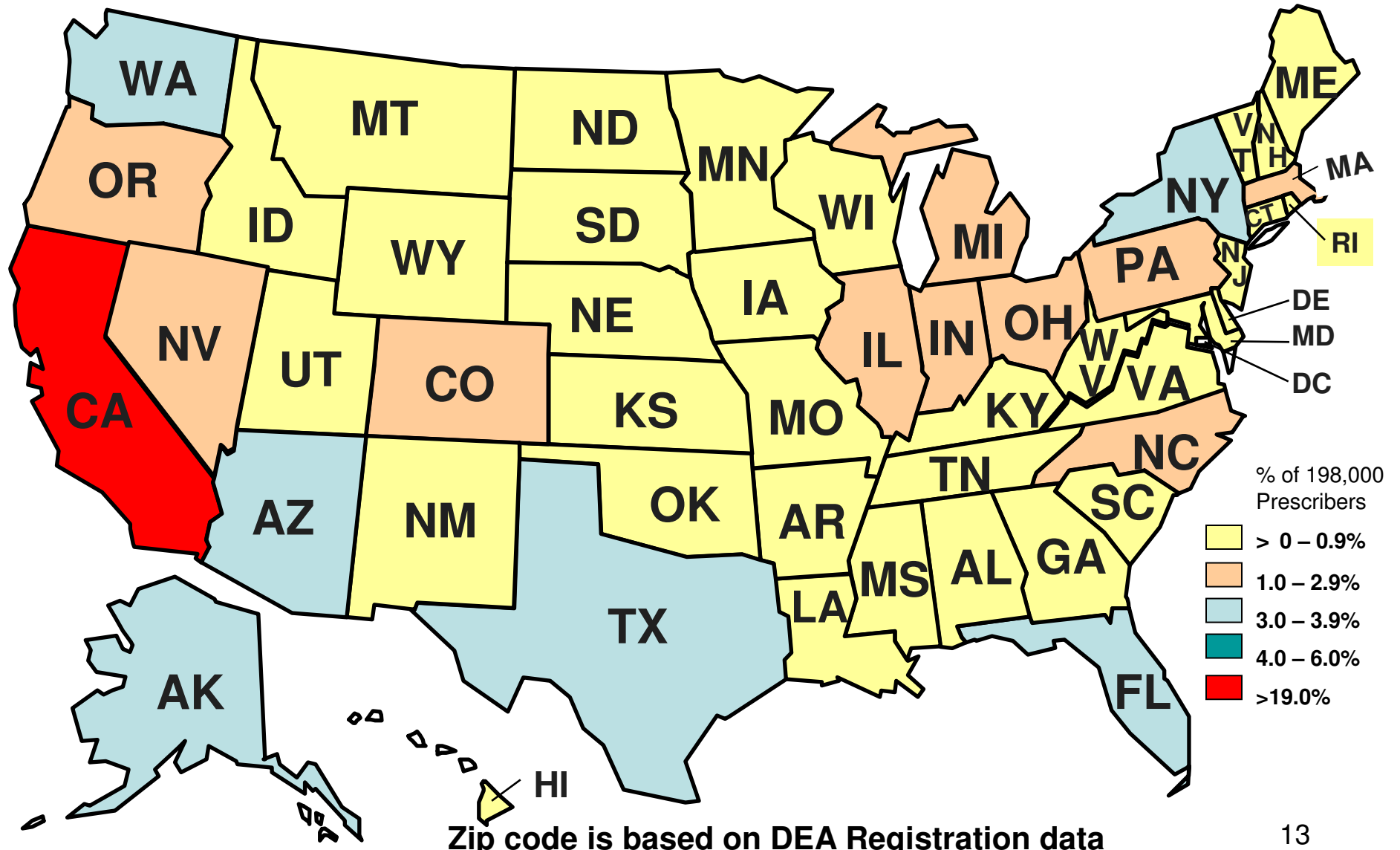
% of Prescriptions to Out-of-State Patients in NV PMP 2007 Data

(NV had 54.5 M visitors in 2007)



Zip Code of Prescribers in CA PMP

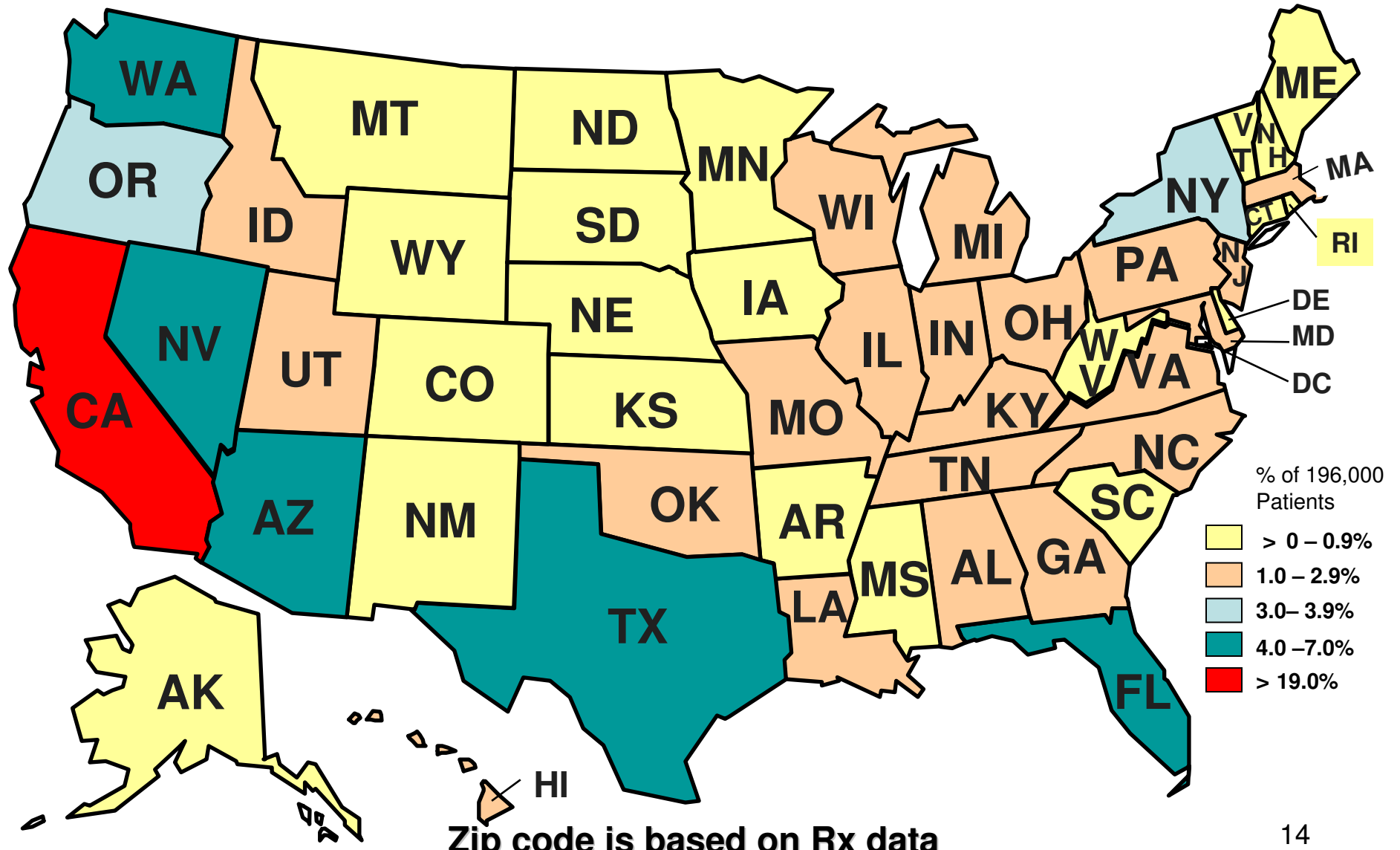
2007 Data



Zip code is based on DEA Registration data

Zip Code of Patients in CA PMP

2007 Data



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**

BJA-IJIS PMP Committee

State Members

- Alabama Donna Jordan
- California Kathy Ellis
- Kentucky Dave Hopkins (Vice Chair)
- Massachusetts Adele Audet
- Nevada Joanee Quirk
- New York ? (Jim Giglio retired)
- Ohio Danna Droz
- Oklahoma David Hale

BJA-IJIS PMP Committee

Industry Members

- **Steve Bruck
(Chairman)** **BruckEdwards, Inc.**
- **Don Burt Jr., MD** **PatientKeeper, Inc.**
- **Henry Camp** **Medical Systems Dev.**
- **John Eadie** **Eadie Consulting**
- **Diane Lacy** **Vortx, Inc.**
- **Bill Mohlenbrock, MD** **Crossflo Systems, Inc.**

BJA-IJIS PMP Committee

Federal Advisors

- Mandy Lord DEA
- Chris Traver BJA

Project Managers

- Sam Ali IJIS Institute
- Scott Serich IJIS Institute

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

Phase II → Phase III

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

Phase III – Current Status

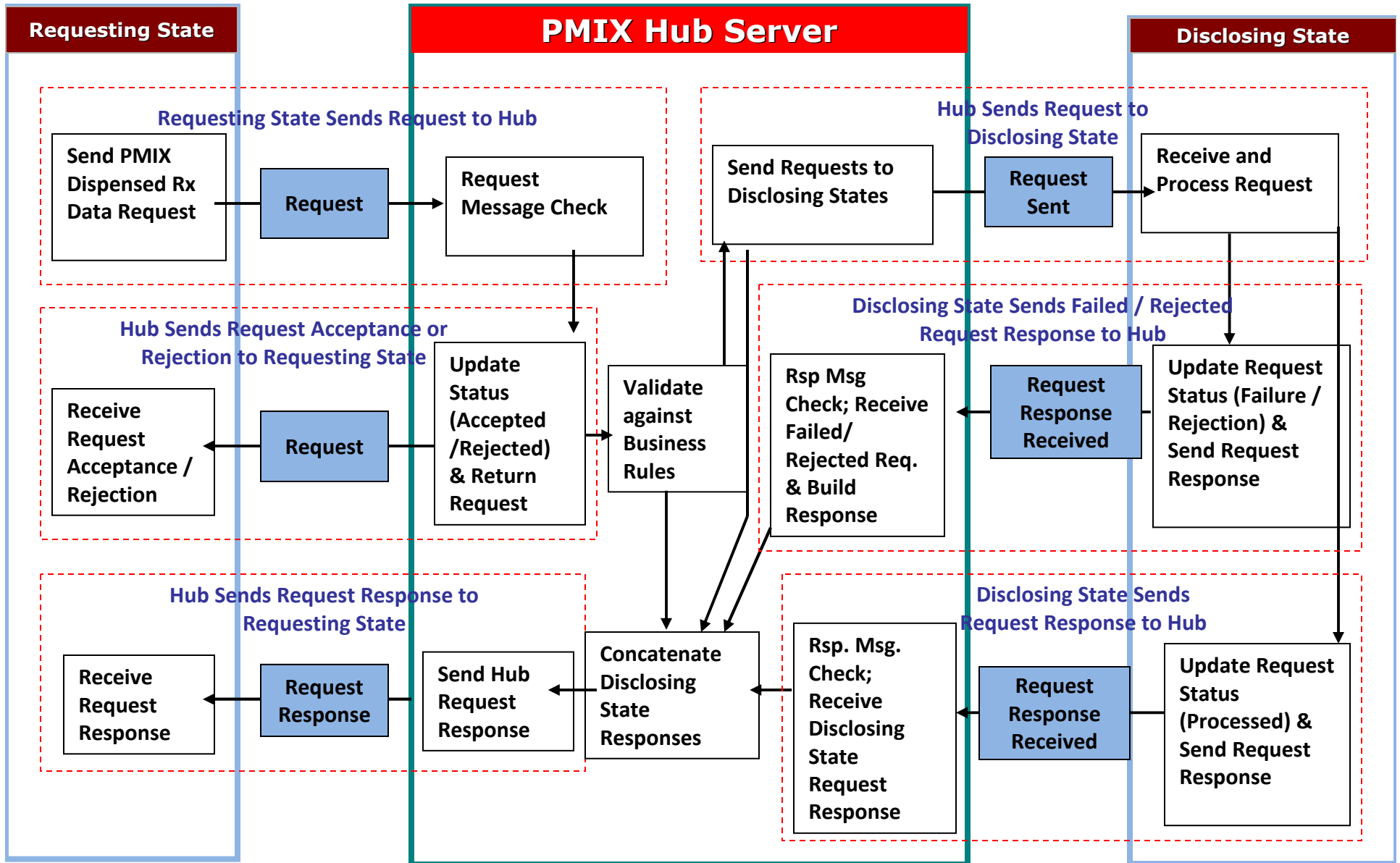
- Phase III initiated - May 2007
- Information Exchange Package Document (IEPD) for exchange model completed in August 07
- Initial definition of Hub server specifications completed
- 1Q 2008– Procurement of Hub server
- Development of Hub application software

Limits of Project

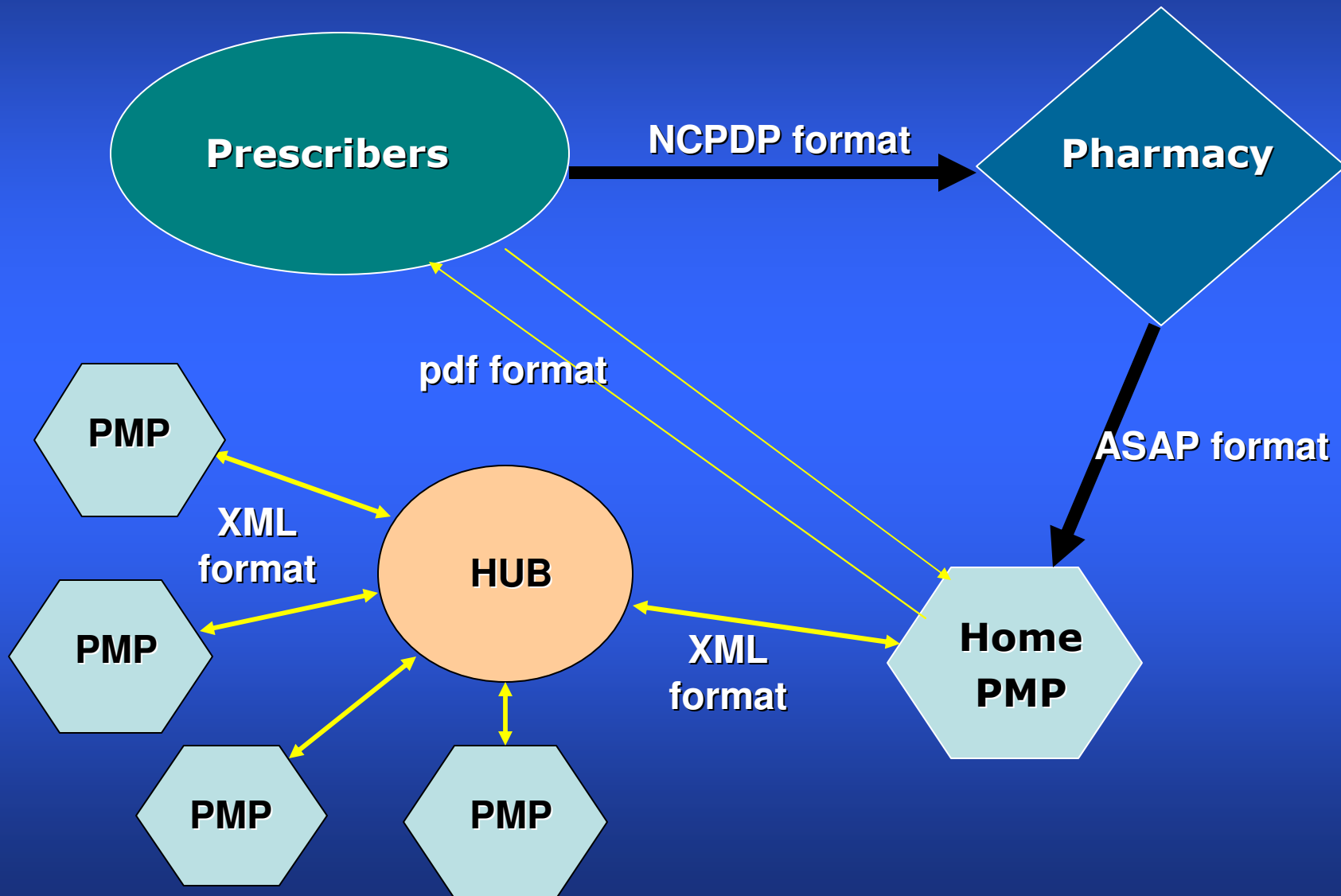
- **Pilot only**
 - **Success = 3 data exchanges**
- **Test data only**
- **Patient data only**

Goals of Project

- **Prove the technology**
- **Develop cost model of Hub**
 - Costs for state to access Hub
 - Costs for Hub maintenance (pro rata)
- **Estimate state costs to use Hub**
 - Specs for state front end and back end
 - Costs for maintenance
- **Develop Reference documents for IT departments**



Rx Data



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 encrypted.
- The internal payload (PHI) will be encrypted separately. The Hub cannot decrypt. The receiving state will decrypt.

Funding

- **OH – 2007, 2008 Rogers Grant Funds**
- **KY – Capital Construction Funds**
- **IJIS/BJA Phase III Project Funds**

Next Steps

1. **Prototype build**
2. **Prototype demo**
3. **Production build**
4. **Mini-region (IN, KY, OH?)**
5. **Add additional states!!**

Future expansion

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

Future Issues

- **Funding for states**
- **Funding for Hub**
- **MOUs or MOAs between states**
- **Standardization among PMPs**

QUESTIONS