



**ARCOS**

Automation of Reports and  
Consolidated Orders  
System



# ***Introduction***

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# ***Overview***

- **Targeting & Analysis**
- **ARCOS Required by Law**
- **ARCOS Reporting**
- **Reporting System**
- **Reportable Drugs**
- **Statistical Reports**
- **Sample Products**



# ***Targeting & Analysis***

- **Conducts and analyzes trends of controlled substance distributions on a national, state, and local level.**
- **Identifies potential illicit activities of registrants.**
- **Supports investigations.**
- **Provides statistical data to other Federal agencies (Drug Czar, CDC, Congress, etc.)**



# ***ARCOS Required by law***

- **21 United States Code (USC) § 827(a)(3): states in part “every registrant under this subchapter manufacturing, distributing, or dispensing a controlled substance ...shall maintain a complete and accurate record of each such substance...”**
- **21 USC § 827 (b): states in part “Every inventory or other record required ...(1) shall be in accordance with, and contain such relevant information as may be required by regulations...”**



## ***ARCOS Required by law***

- **21 USC § 827(c)(d)(1): states in part: “make periodic reports ... of every sale, delivery, or other disposal by him (registrant) of any controlled substance...”**
- **21 USC § 842(a)(5): It shall be unlawful for any person to refuse or negligently fail to make, keep, or furnish any record, report notification, declaration, order, or order form, statement, invoice, or information required under this subchapter...**



# ***ARCOS Required***

- **21 USC § 842(a)(10): “negligently to fail to keep a record or make a report...”**
- **21 USC § 843(a)(4)(A) states in part: “to furnish false or fraudulent material information, or omit any material information from, any...report, record,...required to be made...”**



# ***ARCOS Reporting (21CFR §1304.33)***

- WHO reports to ARCOS?
- WHAT is reported to ARCOS?

- **Manufacturers** of bulk and/or dosage form controlled substances (C/S's) must report
  - **Manufacturing Activities**
    - All controlled substances in Schedules I , II, and III (narcotics)
    - Other specified C/S's in Schedules IIIN – V.
  - **Acquisitions (Procurement)**
    - All controlled substances in Schedules I , II, and III (narcotics)
    - Other specified C/S's in Schedules IIIN – V.



# ***ARCOS Reporting (21CFR §1304.33)***

- **Manufacturers** (*continued*)

- **Dispositions**

- All controlled substances in Schedules I , II, and III (narcotics)
- Other specified C/S's in Schedules IIIN – V.

- **Inventories**

- All controlled substances in Schedules I , II, and III (narcotics)
- Other specified C/S's in Schedules IIIN – V.

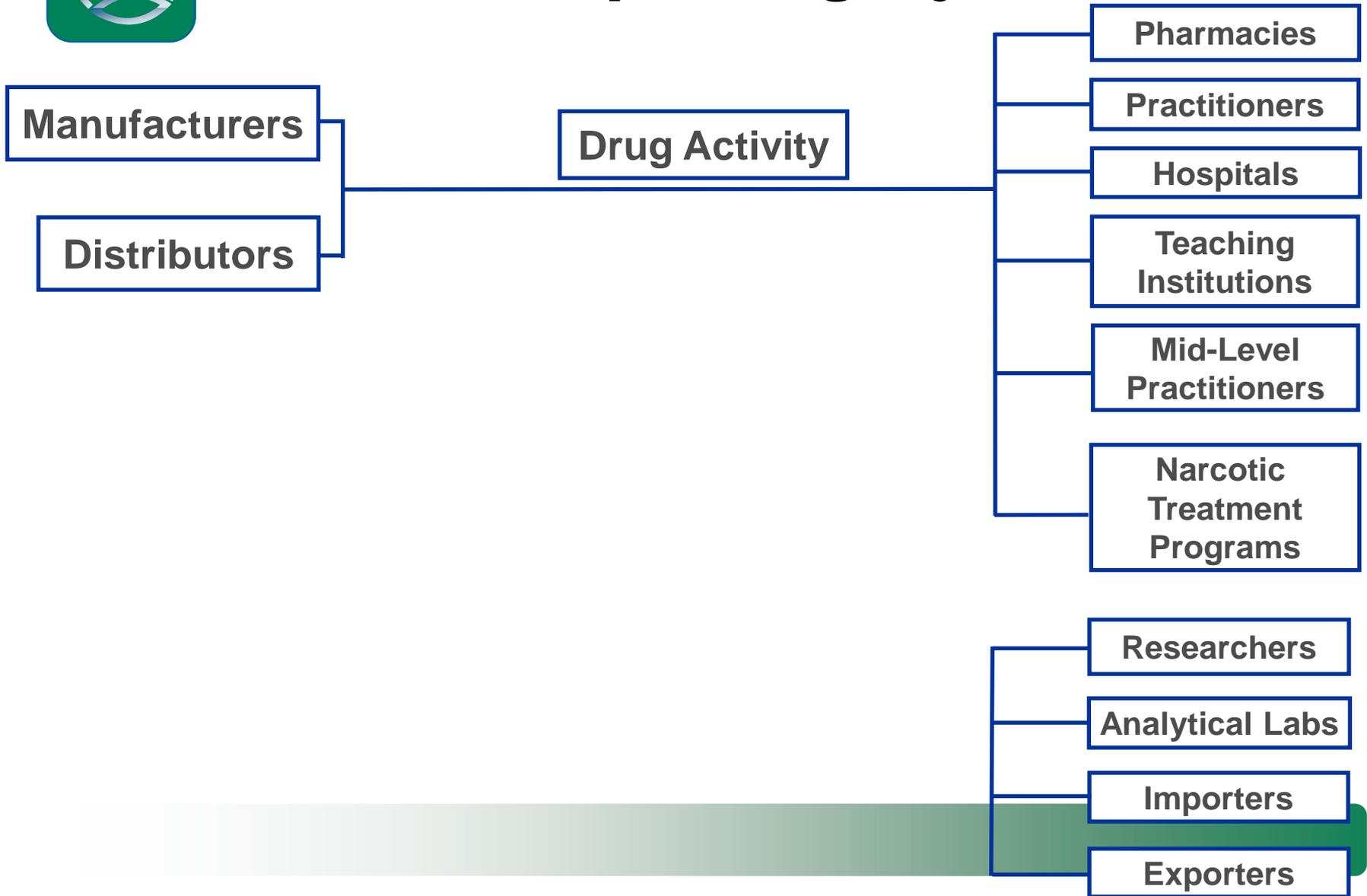


# ***ARCOS Reporting (21CFR §1304.33)***

- **Distributors of Controlled Substances must report**
  - **Acquisitions, Dispositions, and Inventories,**
    - All controlled substances in Schedules I , II, and III (narcotics)
    - Other specified C/S's in Schedules IIIIN – V.



# ***ARCOS Reporting System***





# ***ARCOS Reportable Drugs:***

- Hydrocodone
- Oxycodone
- Methadone
- Fentanyl
- Morphine
- Hydromorphone
- Meperidine
- Codeine
- Cocaine
- Buprenorphine
- Amphetamines
- Oxymorphone
- Methylphenidate



# ***ARCOS Data Can Be Used to Support...***

- On-going investigations
- Subpoenas, warrants, grand jury indictments
- Pre-trial hearings
- Civil and criminal cases
- Federal and State trials
- Geographic trend analysis
- Pharmacy, medical or public health boards



# ***ARCOS: Statistical Reports***

**Each of the following reports is available in grams and dosage units:**

**Report 1: Drug Distribution to Retail Registrants by Zip Code**

**This report provides quarterly and annual total drug amounts distributed to retail registrants by three digit zip code.**

**Report 2: Drug Distribution to Retail Registrants by State**

**This report reflects the total drug quantity distributed to retail registrants quarterly, by state.**

**Report 3: Quarterly Drug Distribution by State per 100k Population**

**This report reflects quarterly drug totals distributed to each state, per 100k population.**



# ***ARCOS-2 Statistical Reports***

## **Reports (*continued*):**

### **Report 4: Yearly Drug Distribution by State Per 100k Population**

**This report reflects yearly drug totals distributed to each state per 100k population. For each drug, the states are listed in ranking order.**

### **Report 5: Statistical Summary for Retail Drug Purchases, by State**

**This report lists the number of registrants, total amounts sold, and average purchases of each drug, for each business activity, in each state. Those registrants purchasing two standard deviations above the average are identified.**

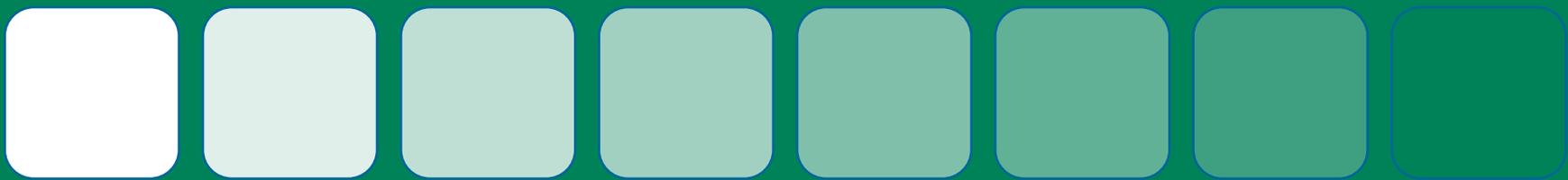
### **Report 7: Statistical Summary for Retail Drug Purchases, for Entire United States**

**This report lists the number of registrants, total amounts sold, and average purchases of each drug, for each business activity, within the entire United States. Those registrants purchasing two standard deviations above the average are identified.**

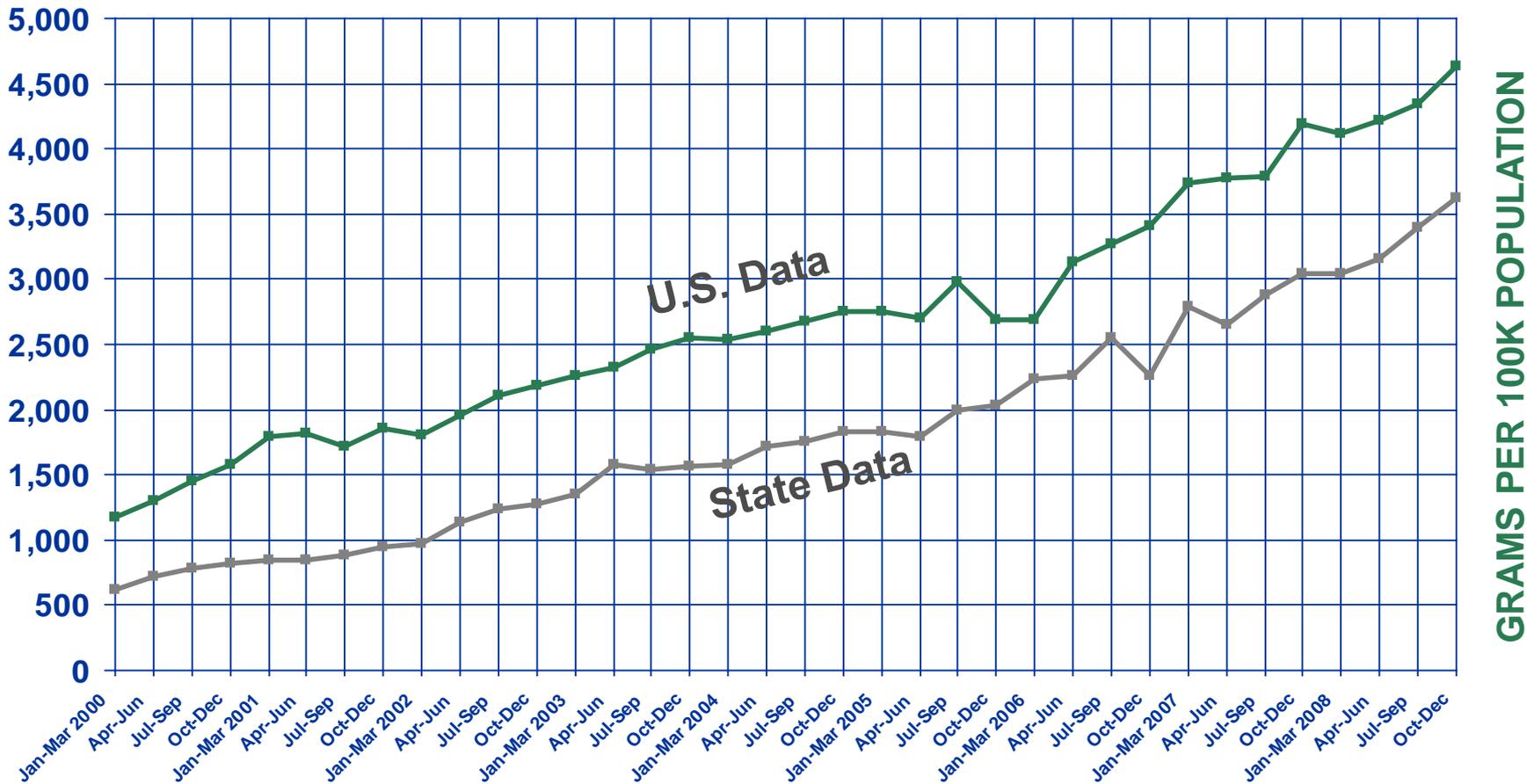


# Trends

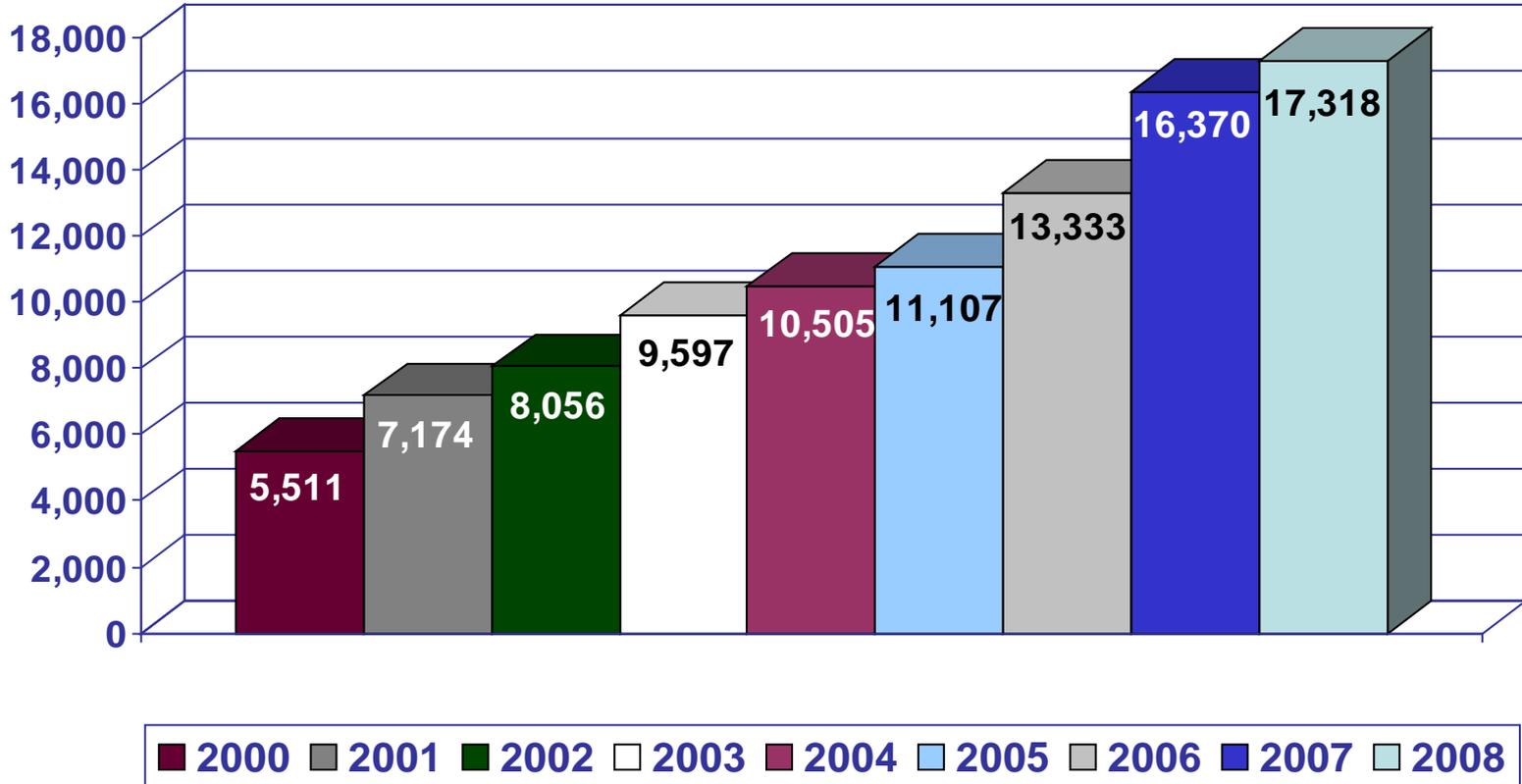
(Sample Charts)



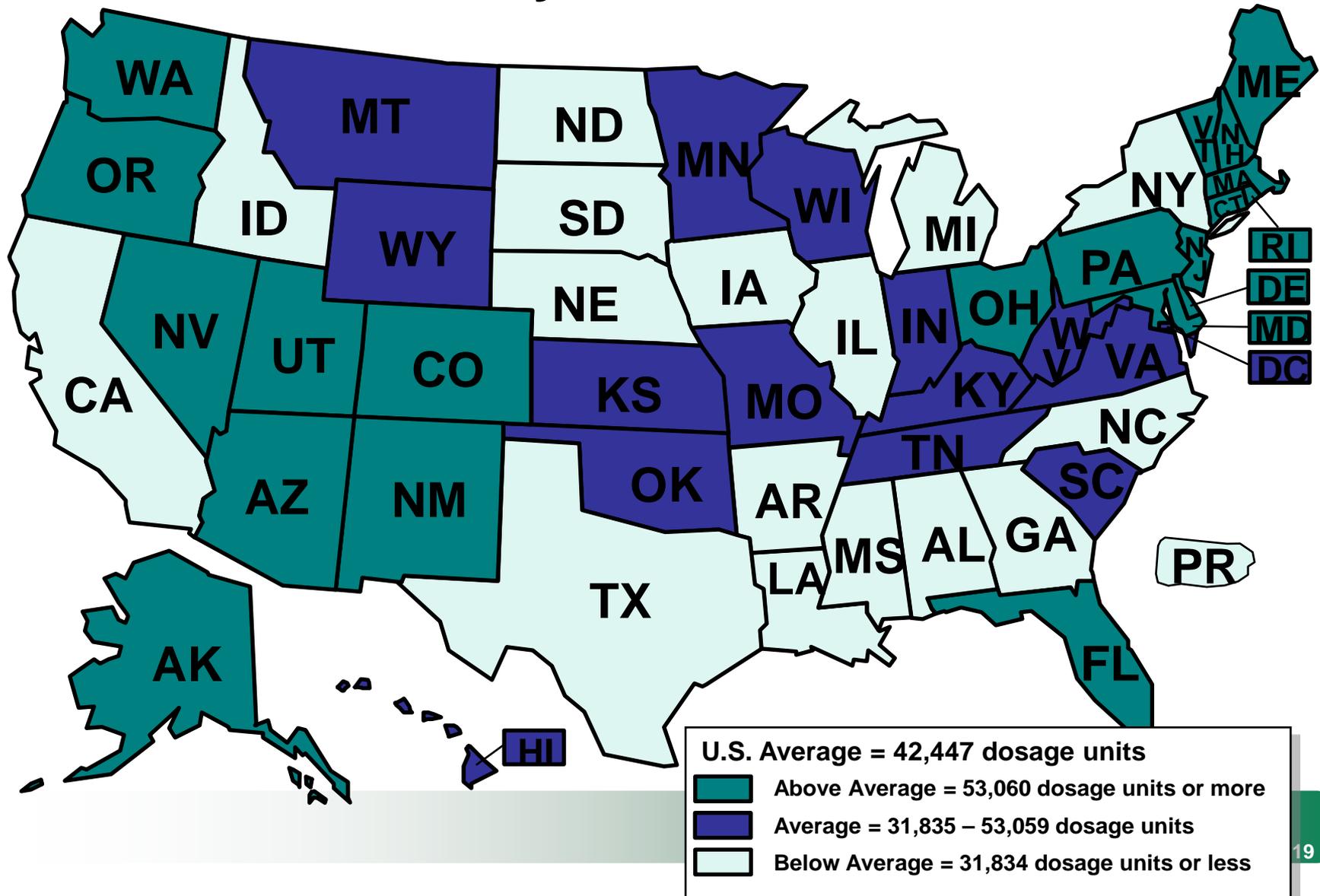
# Oxycodone Distribution Nationwide CY2000-2008



# Oxycodone Distribution Grams Per 100K Population CY2000-2008



# Distribution of Suboxone/Subutex to Practitioners January - December 2008



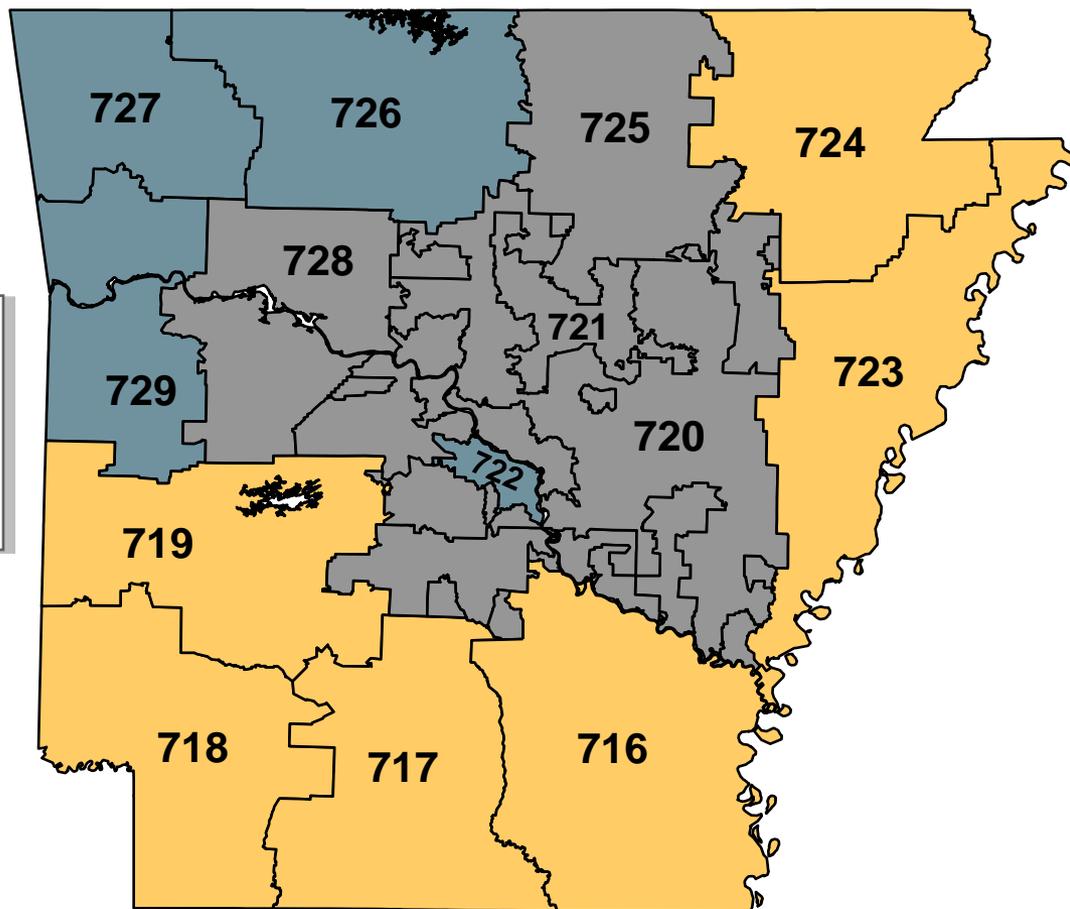
# State Map by Zip Code

## 2008 Purchases of Hydromorphone

U.S. Average = 54,044 dosage units

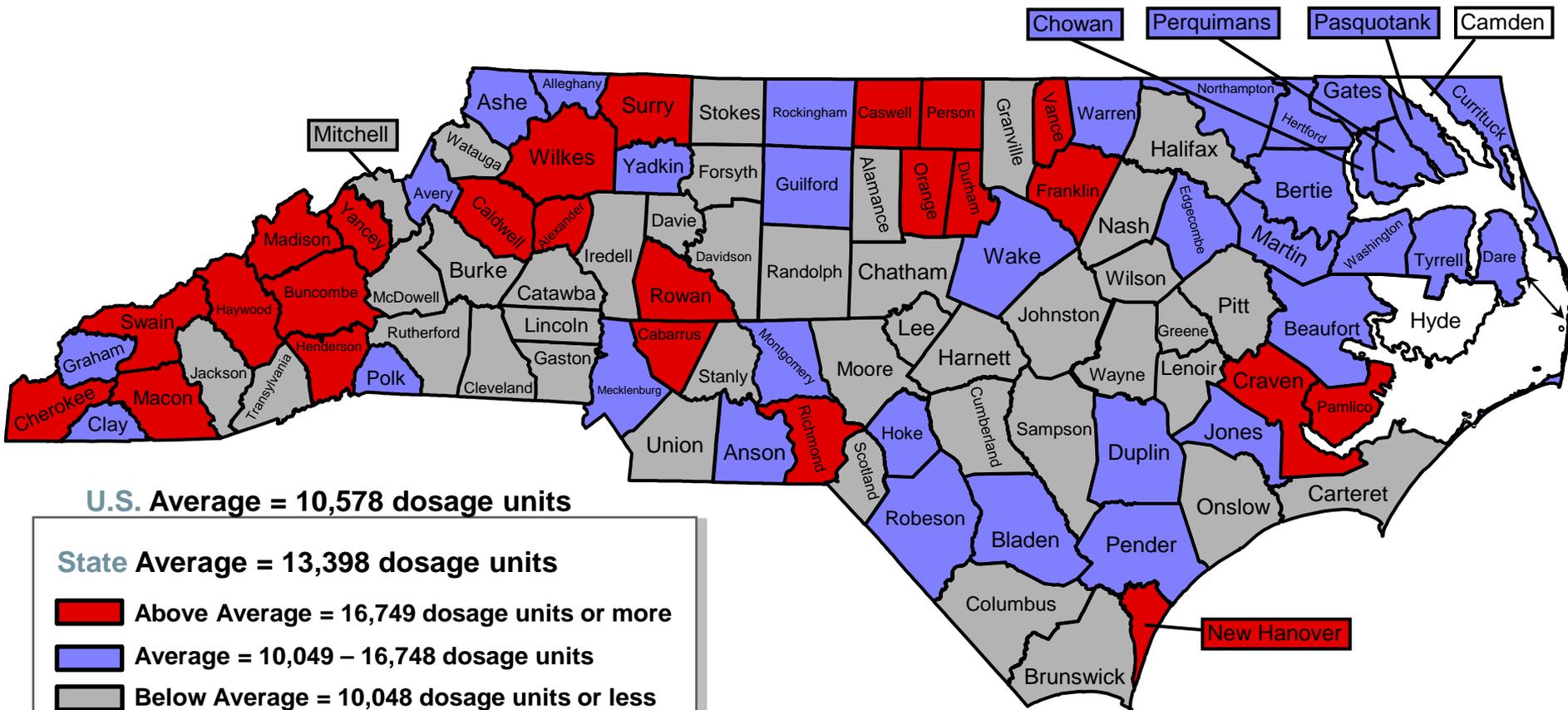
State Average = 36,951 dosage units

-  Above Average = 46,190 dosage units or more
-  Average = 27,713 – 46,189 dosage units
-  Below Average = 27,712 dosage units or less

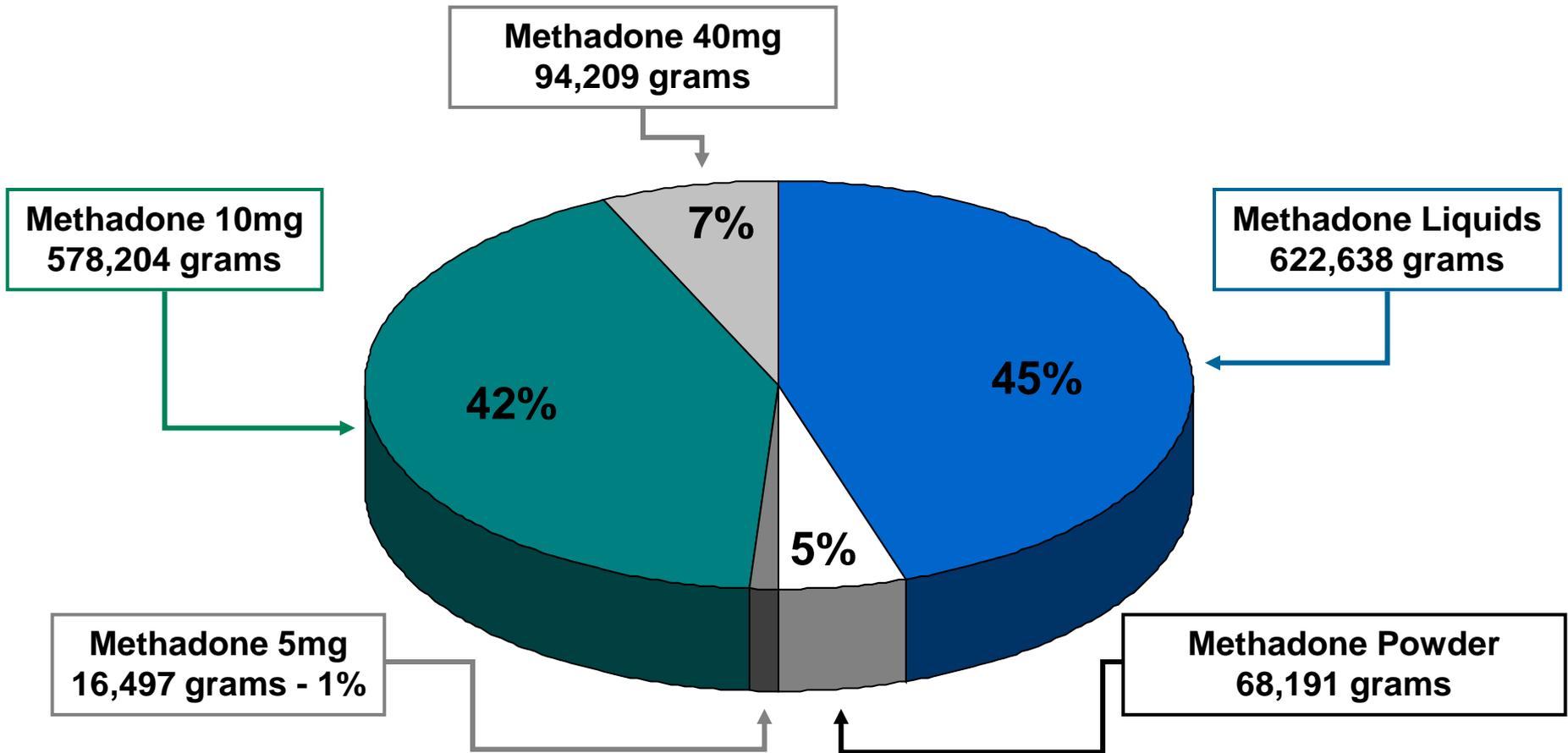


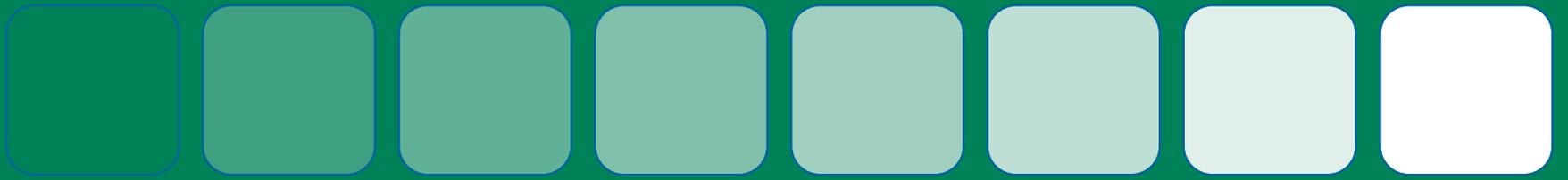
# State Map by County

## 2007 Distribution of Methadone

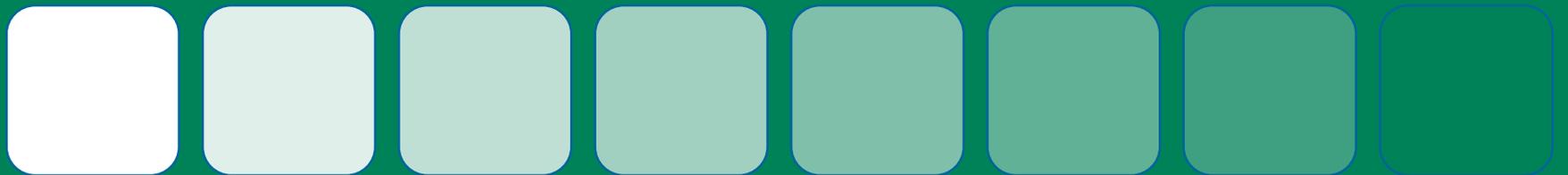


# Distribution of Methadone by Formulation January – December 2008

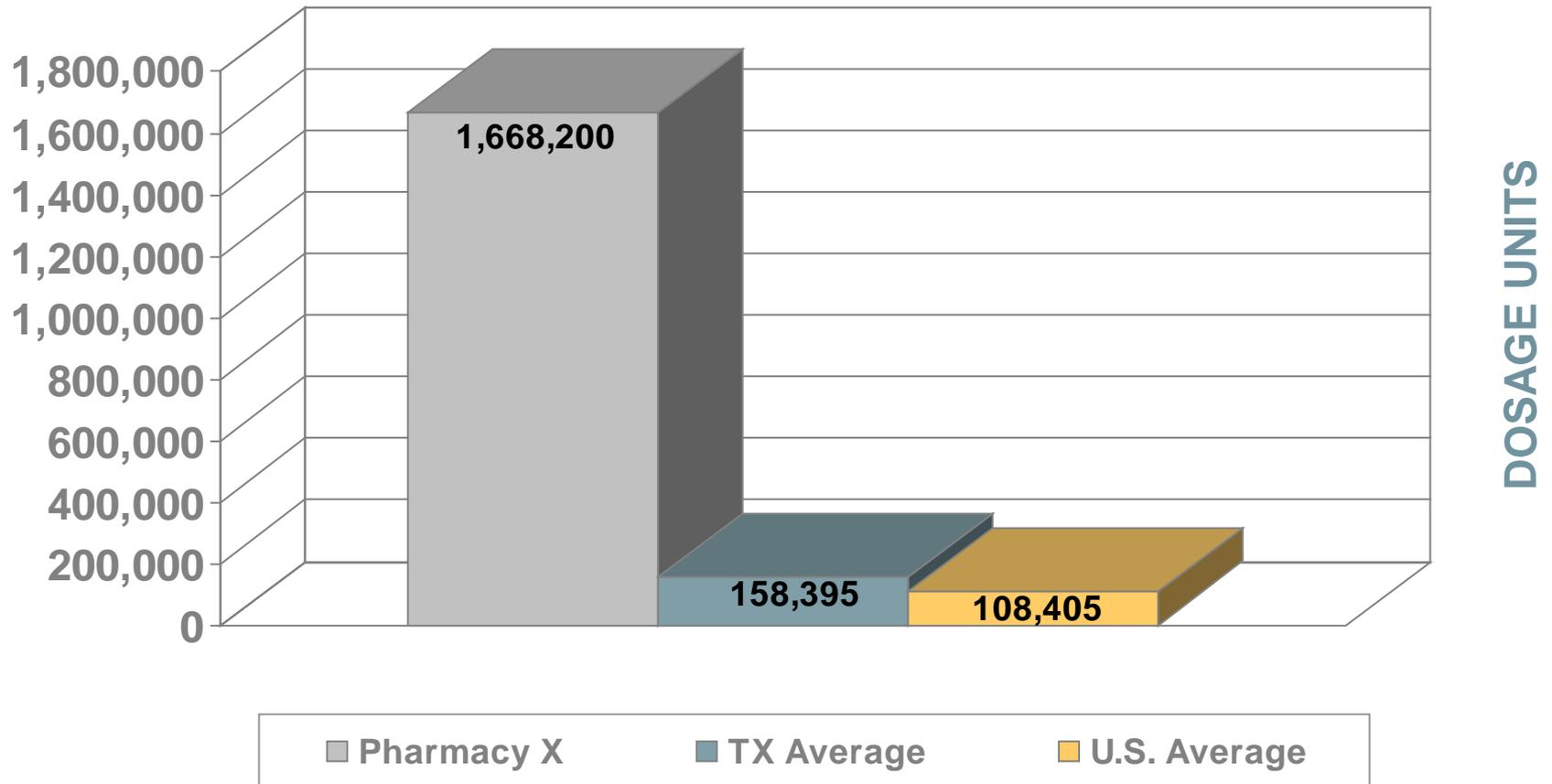




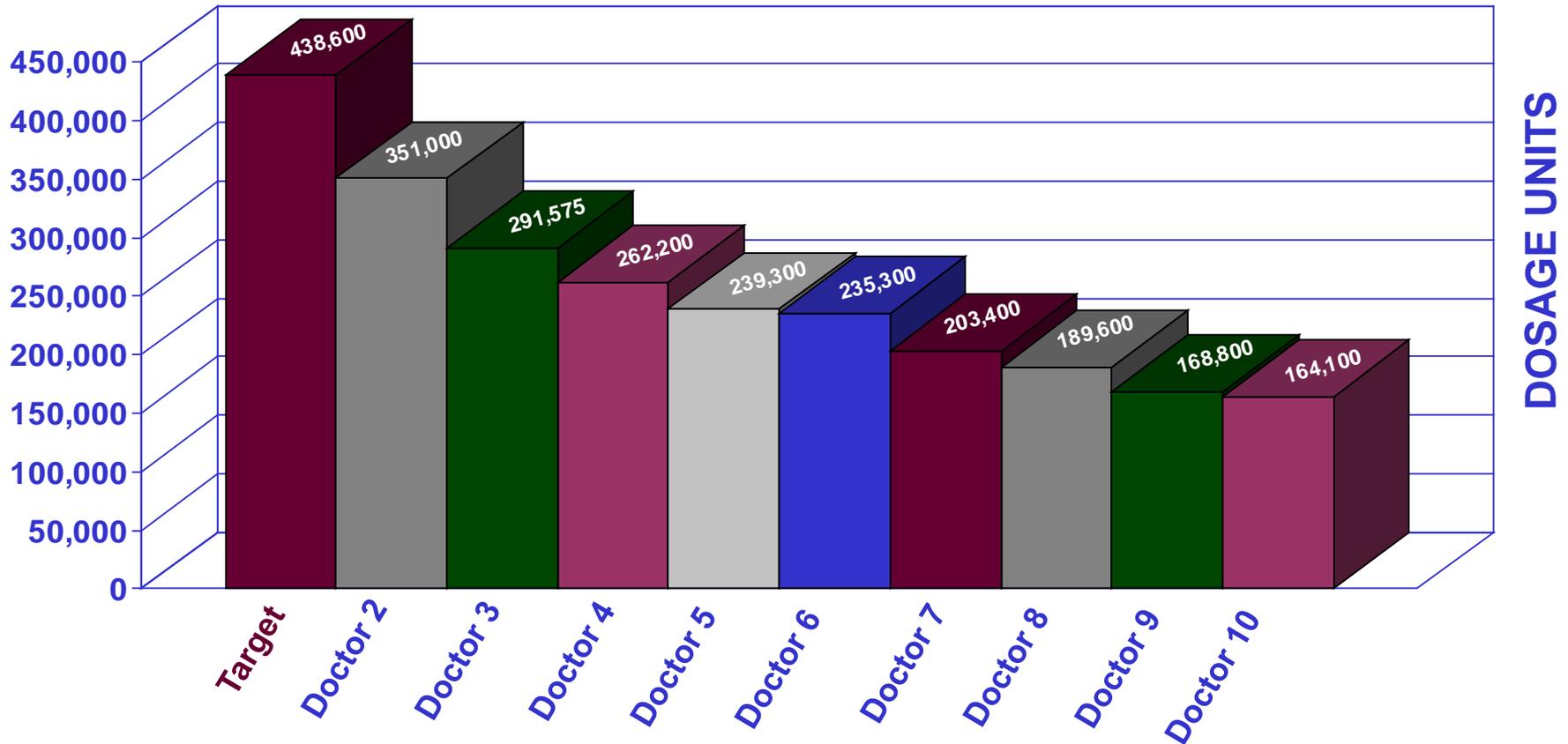
# Investigative and Court Support (Sample Charts)



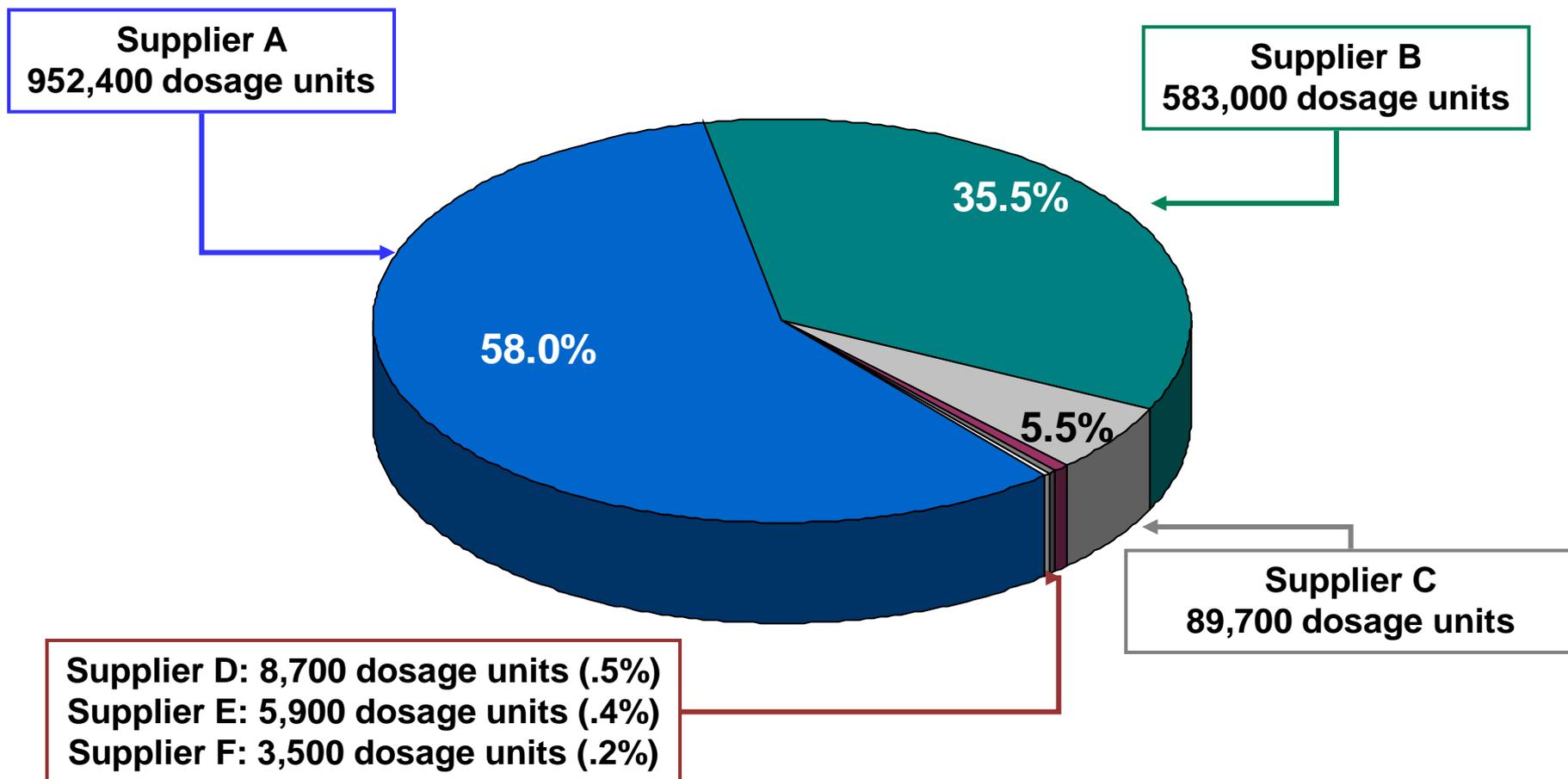
# Comparison of 2008 Purchases of Hydrocodone by Pharmacies



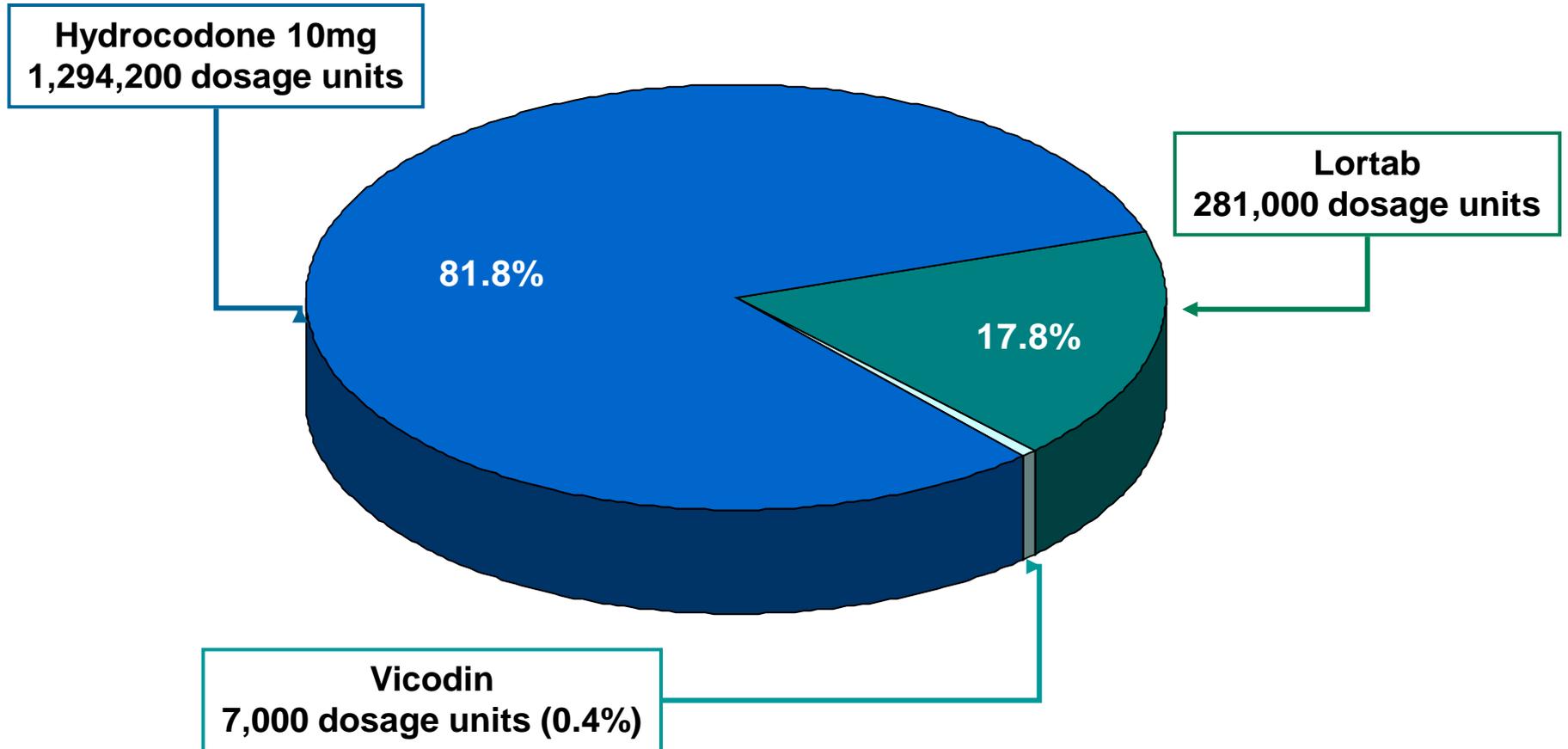
# Top 10 Doctors Nationwide for Purchases of Oxycodone January - December 2008

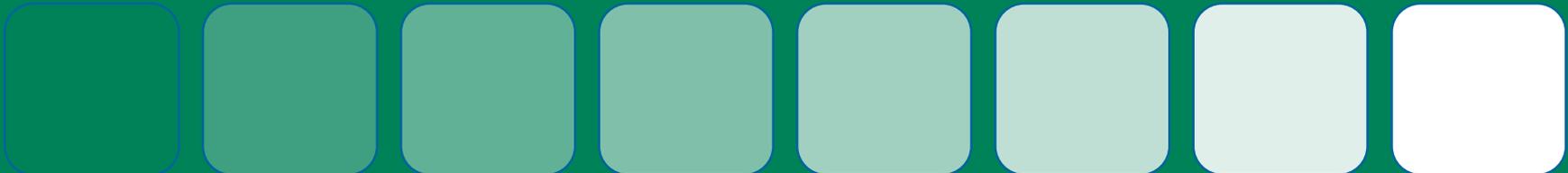


# Suppliers of Fentanyl to Pharmacy X January 2003 – December 2008



# Purchases of Hydrocodone by Trade Name to Doctor X January 1, 2005 – December 31, 2008





**To request nationwide  
or state specific ARCOS  
data please contact your  
local DEA Office**

