



Trends in the Distribution of Selected Opioids by State, US, 1999-2011

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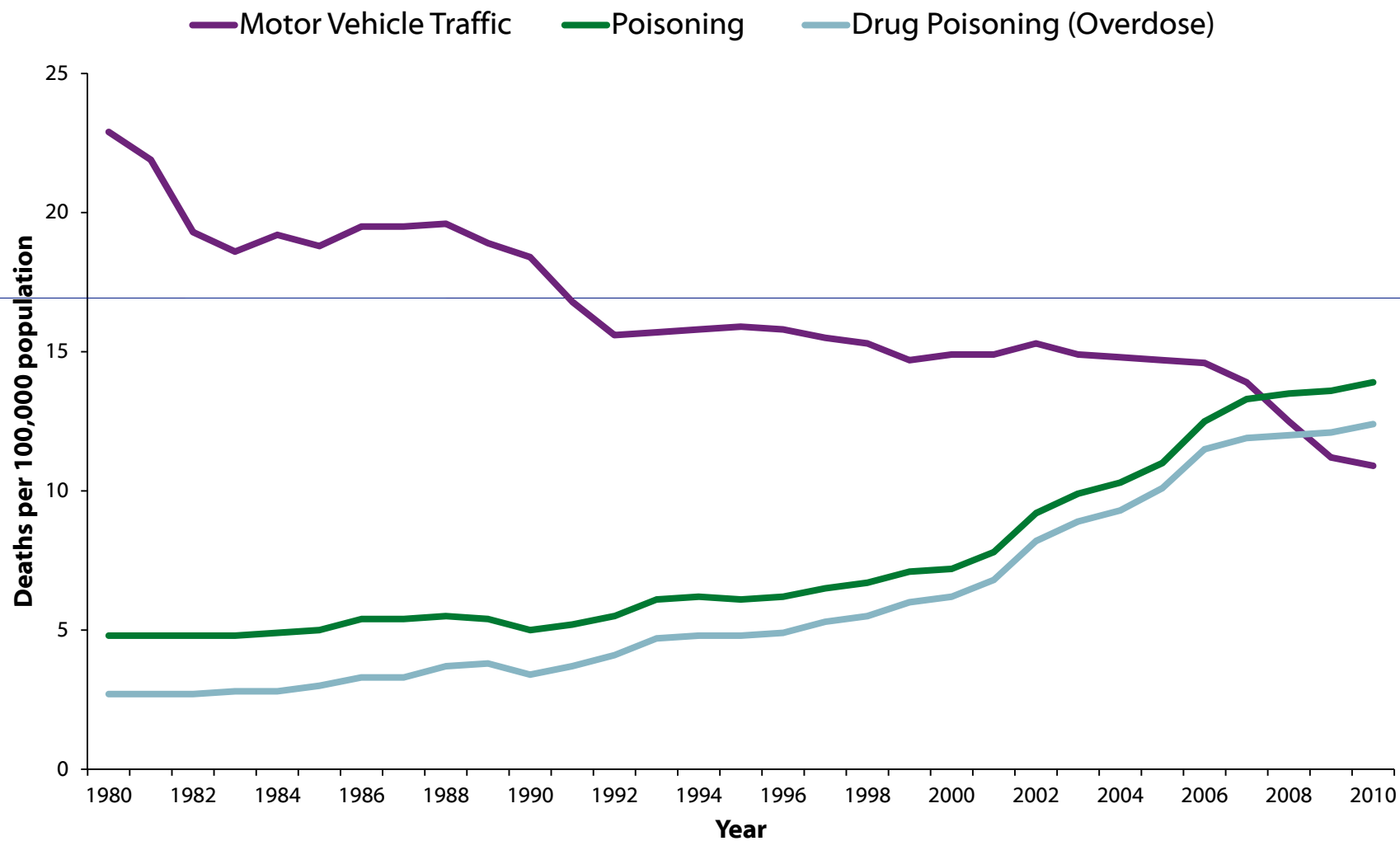
Centers for Disease Control and Prevention

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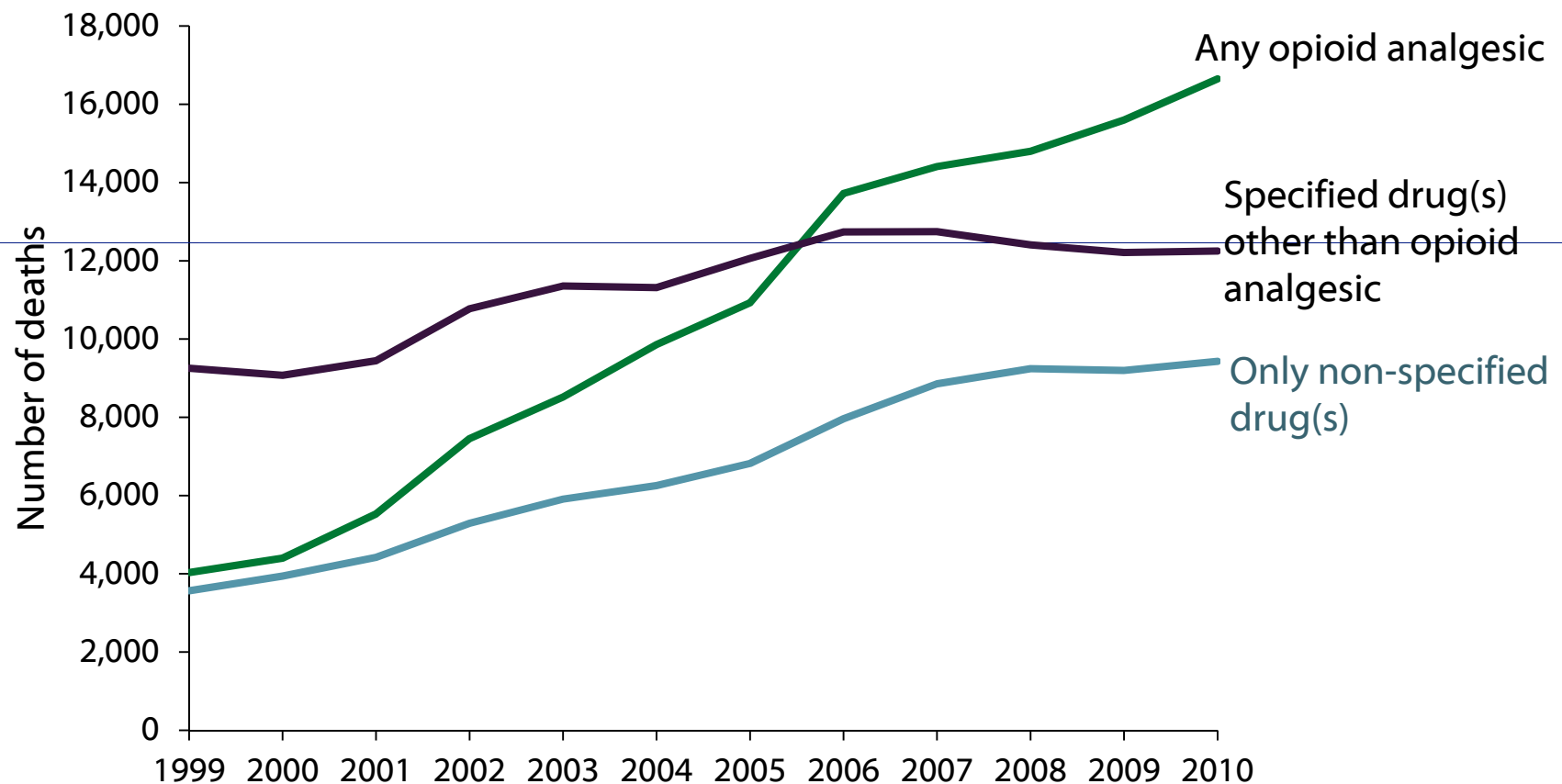


Drug overdose death rates continue to increase US, 1980-2010



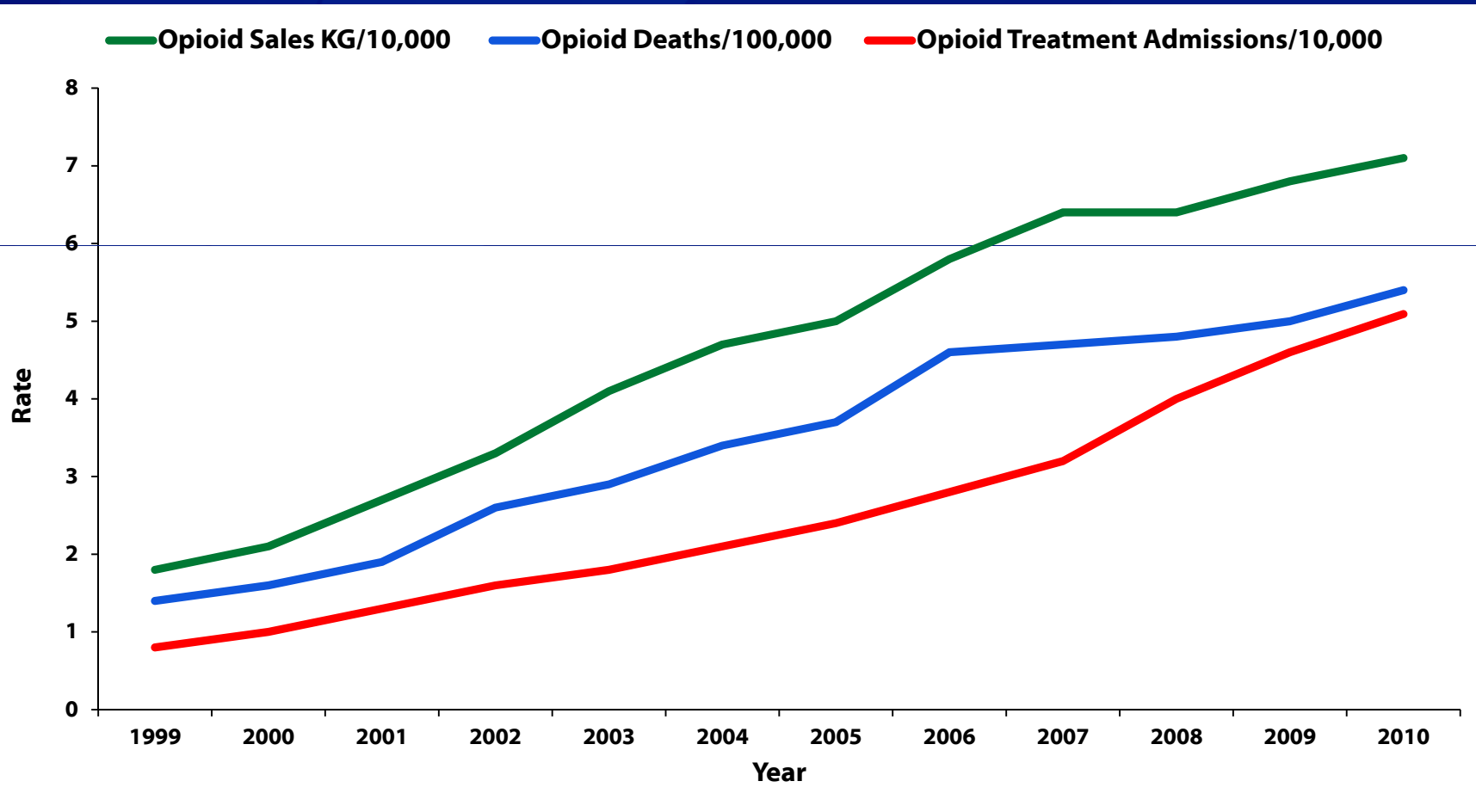
NCHS Data Brief, December, 2011, Updated with 2009 and 2010 mortality data

Number of drug overdose deaths involving opioid pain relievers and other drugs US, 1999-2010



CDC/NCHS, National Vital Statistics System

Rates of opioid overdose deaths, sales and treatment admissions increased in parallel, US, 1999-2010



National Vital Statistics System, DEA's Automation of Reports and Consolidated Orders System, SAMHSA's TEDS

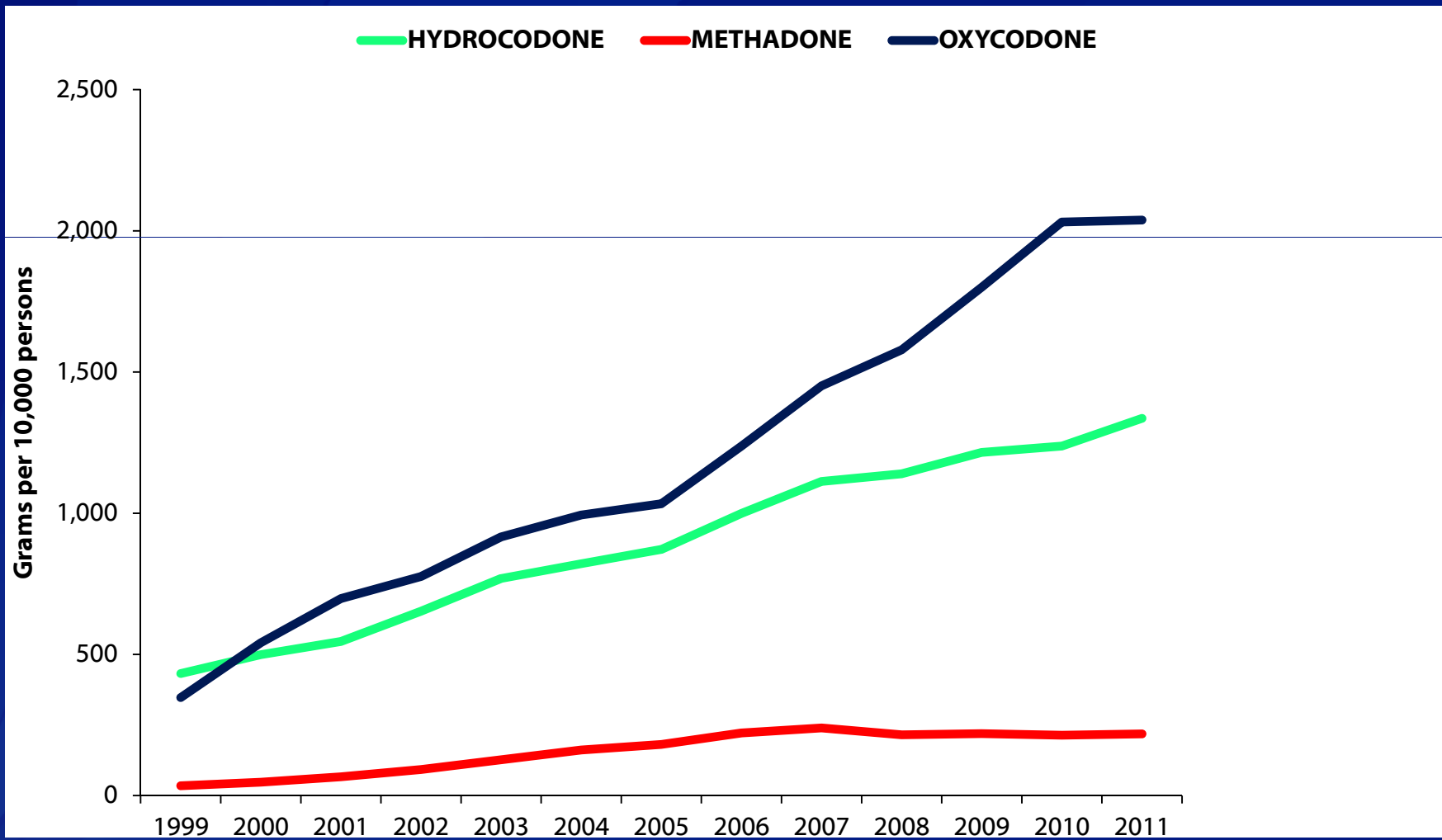
Current Analysis

- ❑ **National and state sales of oxycodone, hydrocodone, methadone from 1999 through 2011**
- ❑ **Based on DEA's Automation of Reports and Consolidated Orders System (ARCOS) data**

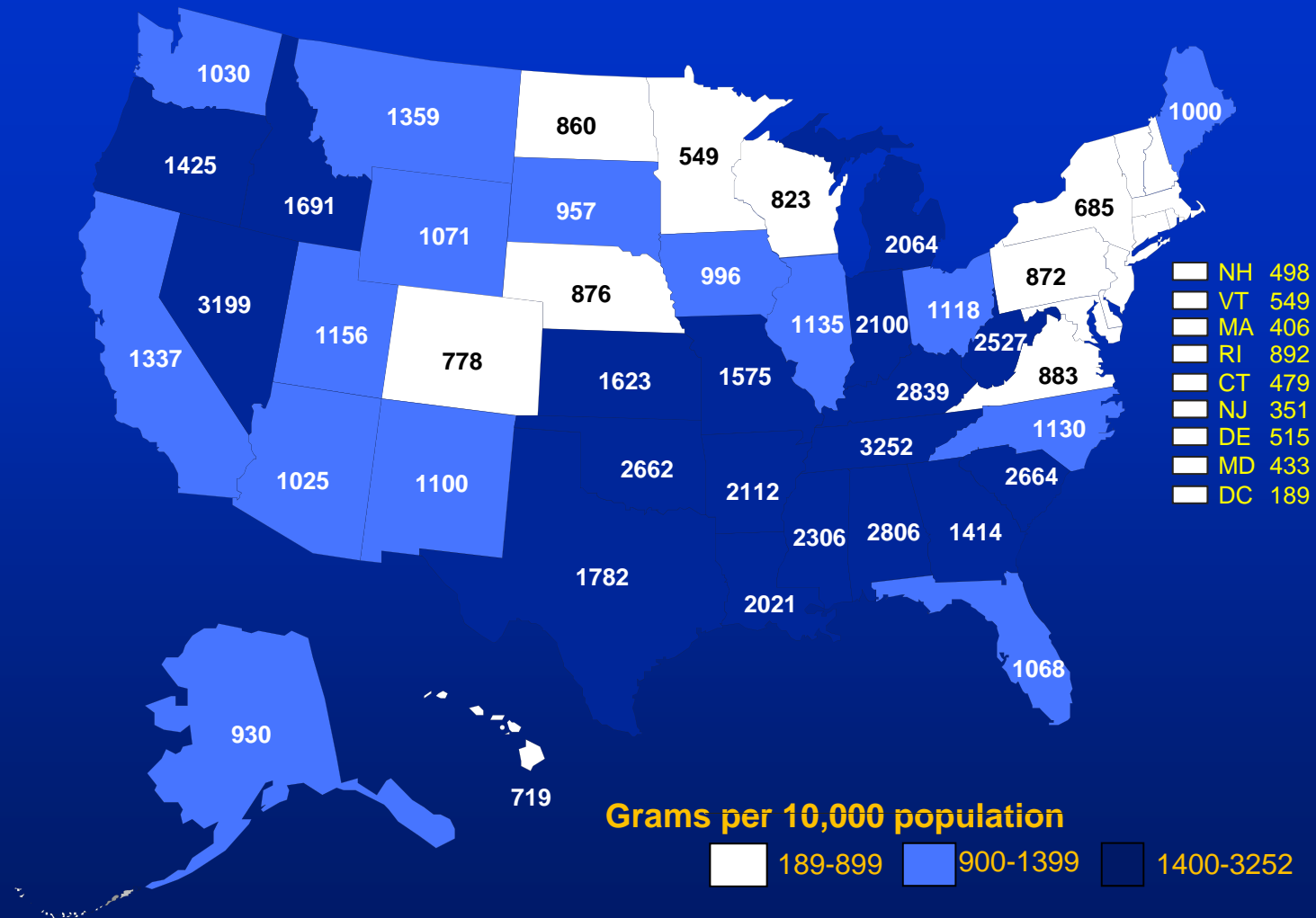
ARCOS

- ❑ **DEA database**
- ❑ **Quarterly mandatory reporting system for manufacturers and distributors**
- ❑ **Tallies cumulative sale of certain licit controlled substances in grams**
- ❑ **Reflects the amount of drug legitimately distributed in the U.S.**
- ❑ **Used to monitor controlled substances from the point of manufacture to the point of sale.**
- ❑ **Public health uses to monitor trends**

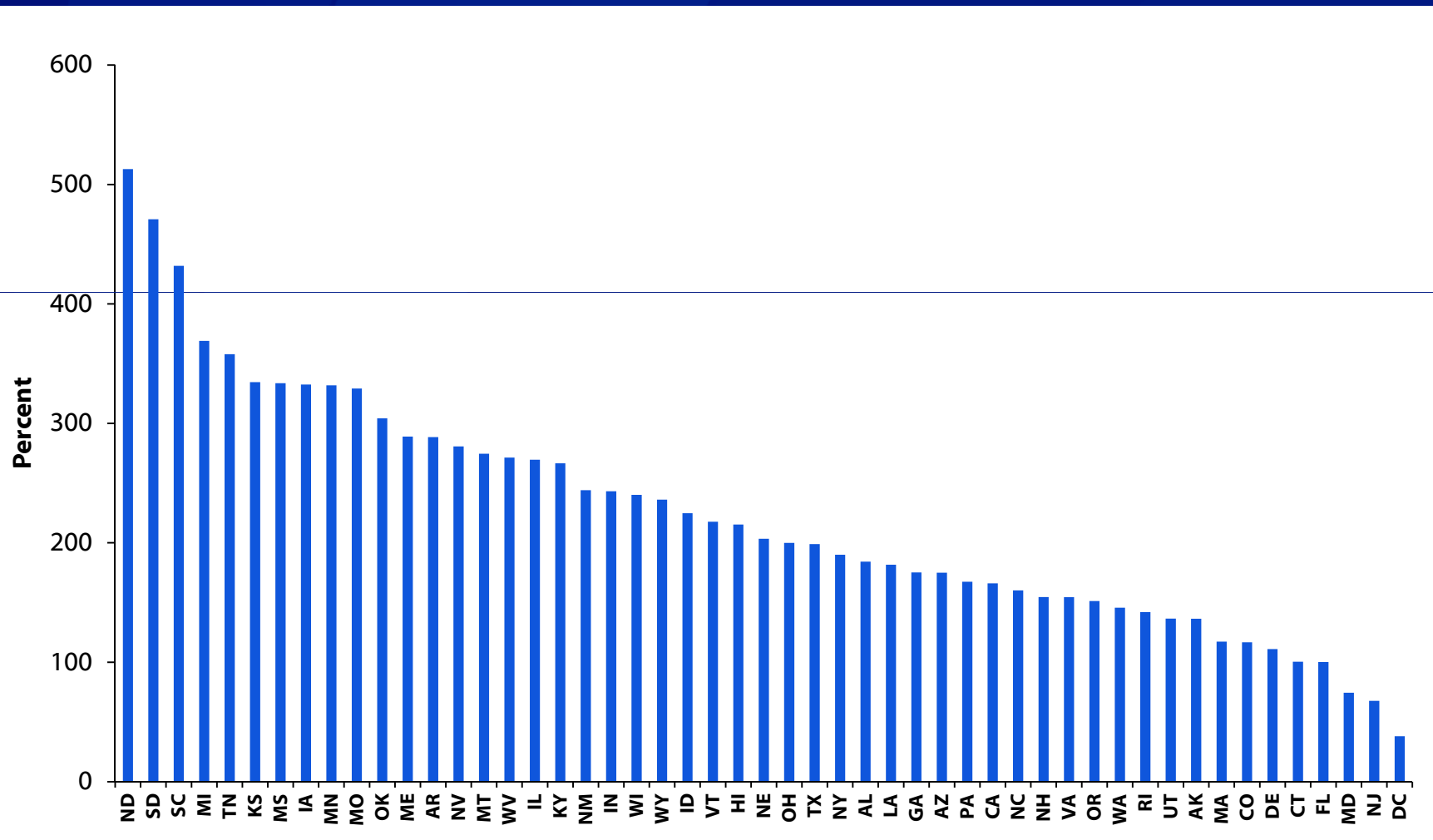
Distribution rate of selected opioids in grams, US, 1999-2011, ARCOS



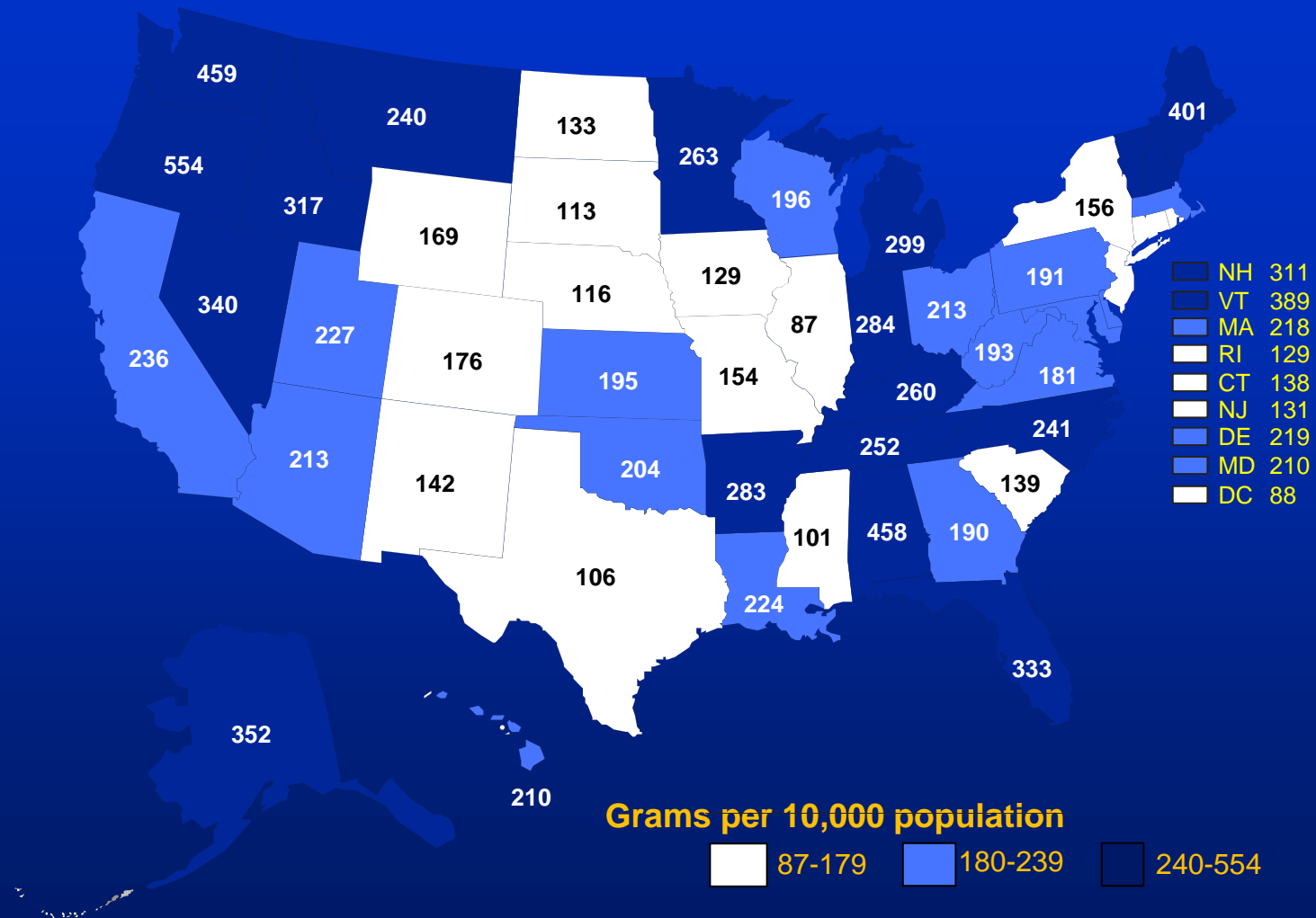
Distribution of hydrocodone, 2011, ARCOS



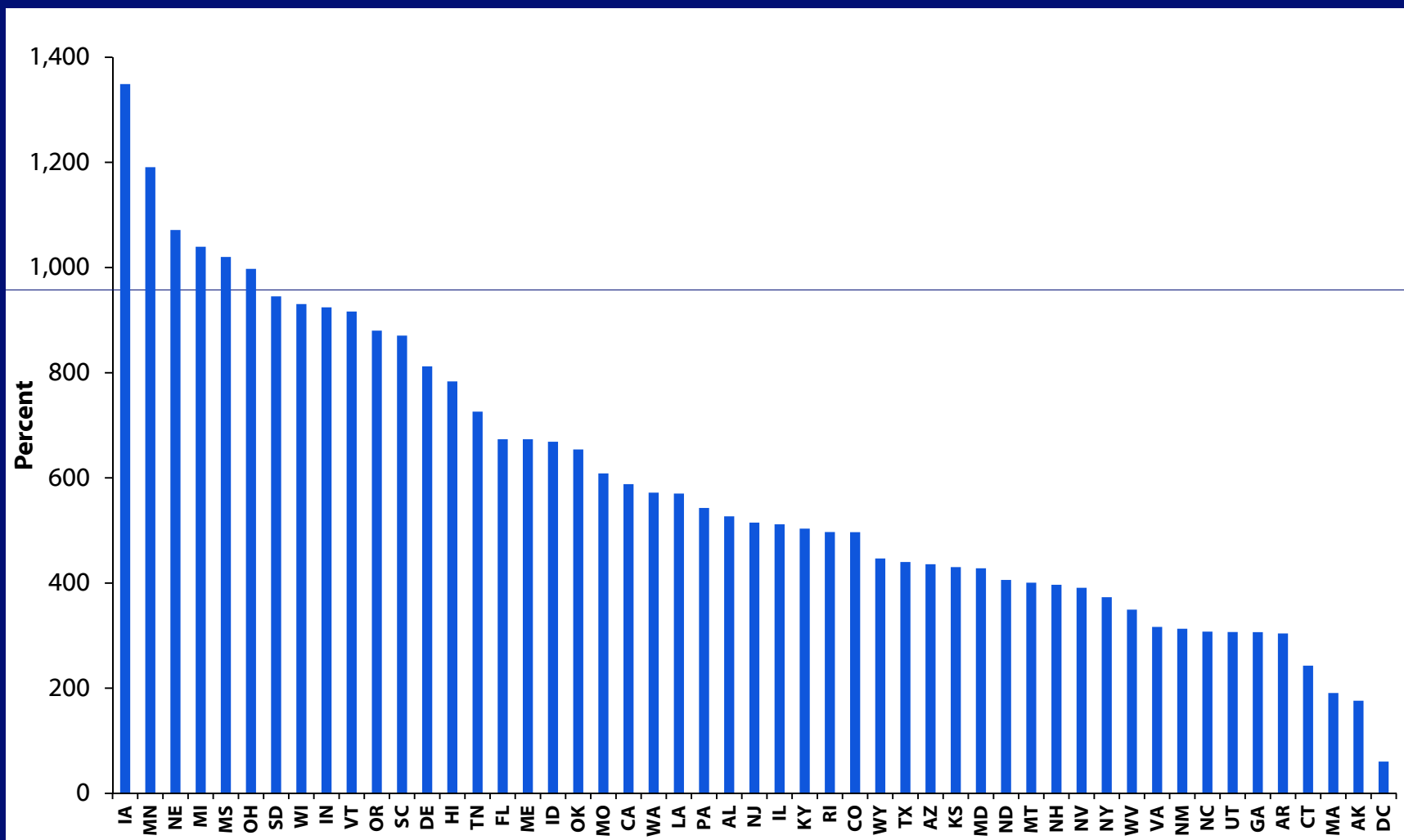
Percent change in distribution of hydrocodone by state, 1999-2011, ARCOS



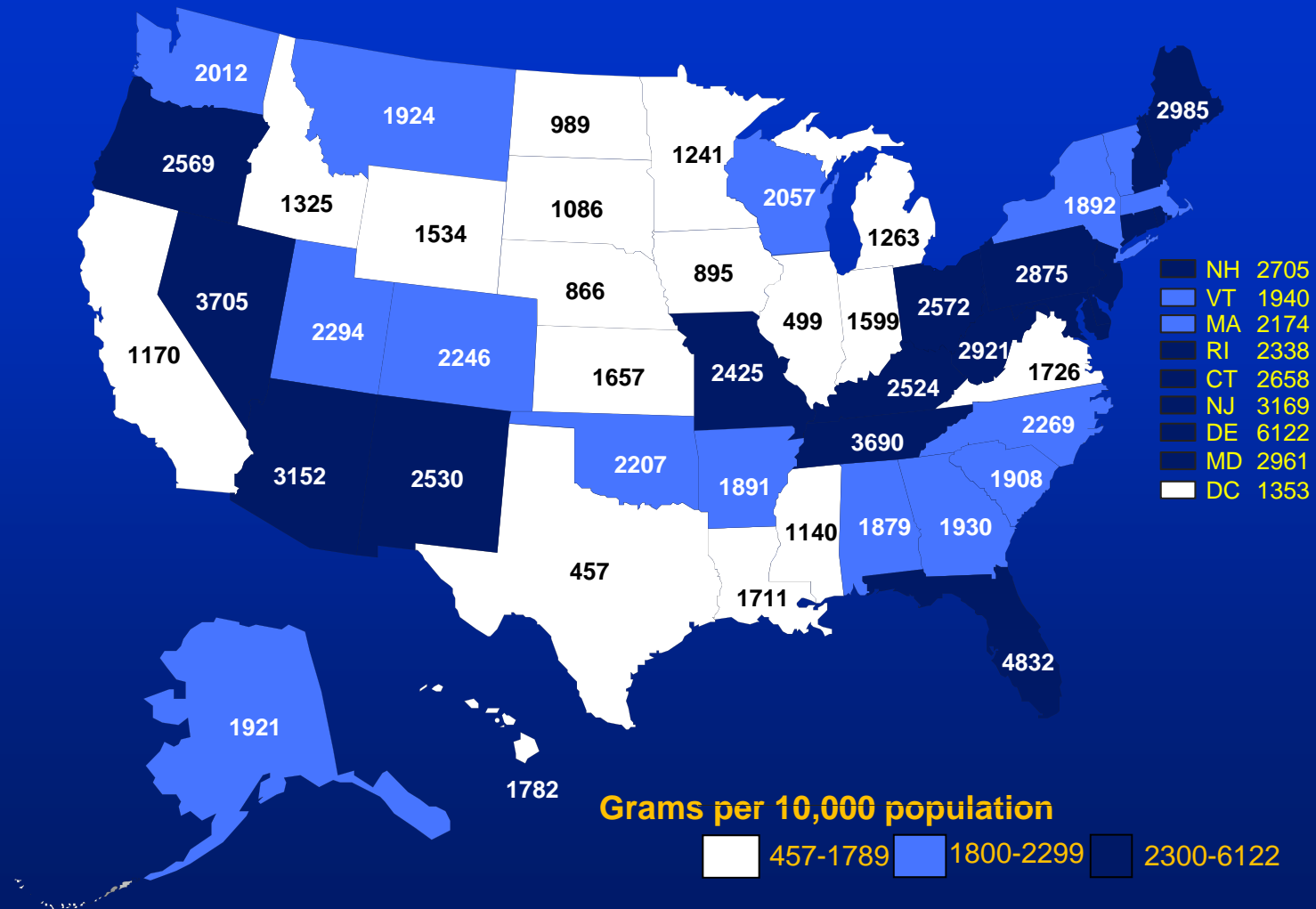
Distribution of methadone 2011, ARCOS



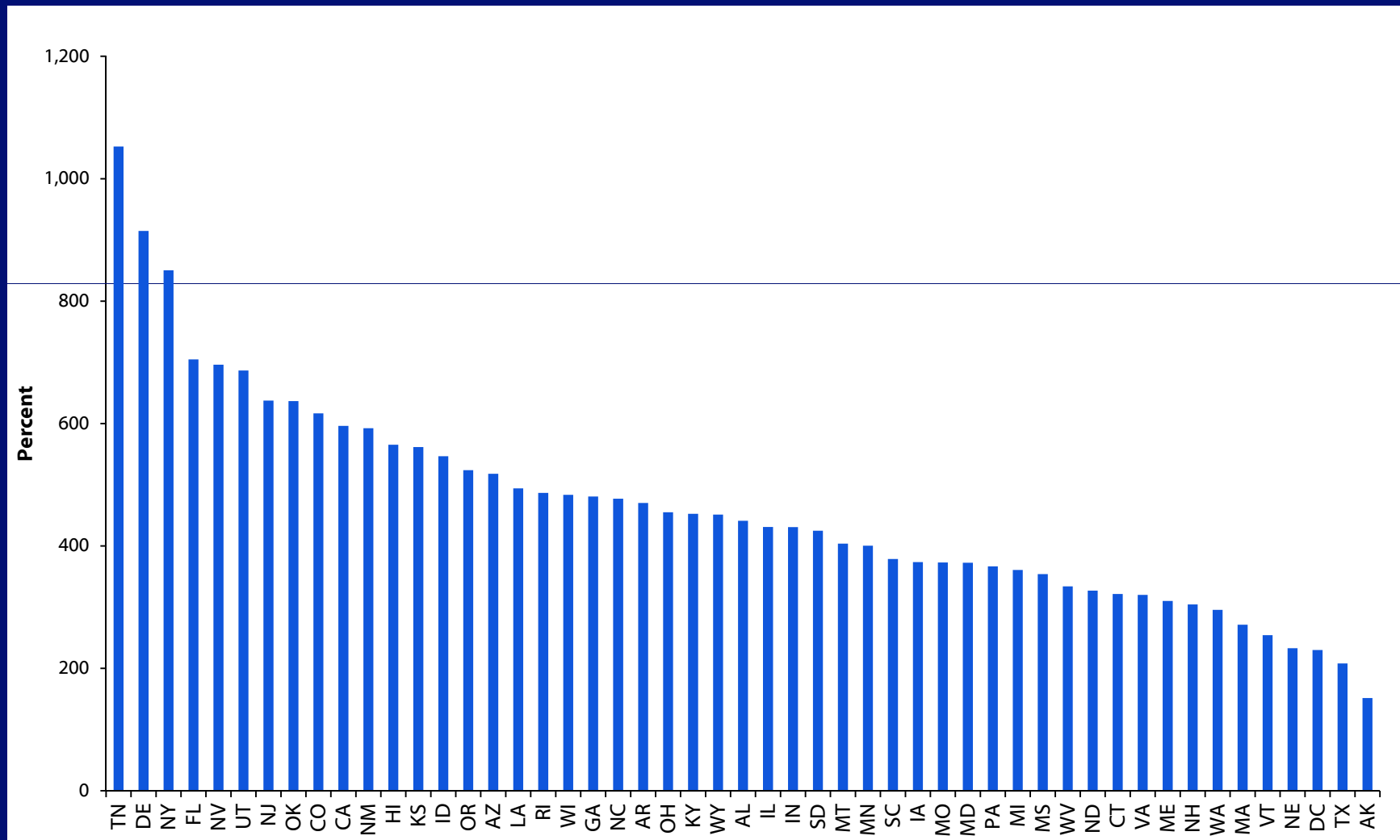
Percent change in distribution of methadone 1999-2011, ARCOS



Distribution of oxycodone 2011, ARCOS



Percent change in distribution of oxycodone by state, 1999-2011, ARCOS



Conclusions

- ❑ **Rising trends in opioid use portend increasing rates of drug overdoses**
- ❑ **Data available to states to track prescription drug sales and overdoses vary widely**
- ❑ **ARCOS data are consistent across states and can be used to track distribution and compare states**
- ❑ **PDMPs and insurance claims data can also be used to identify and address opioid abuse by patients, as well as inappropriate prescribing by providers**
- ❑ **These data can also be used to track the impact of various state-level interventions**

Thank You

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The findings and conclusions in this report are those of the author and do not necessarily represent the views of the Centers for Disease Control and Prevention.

