



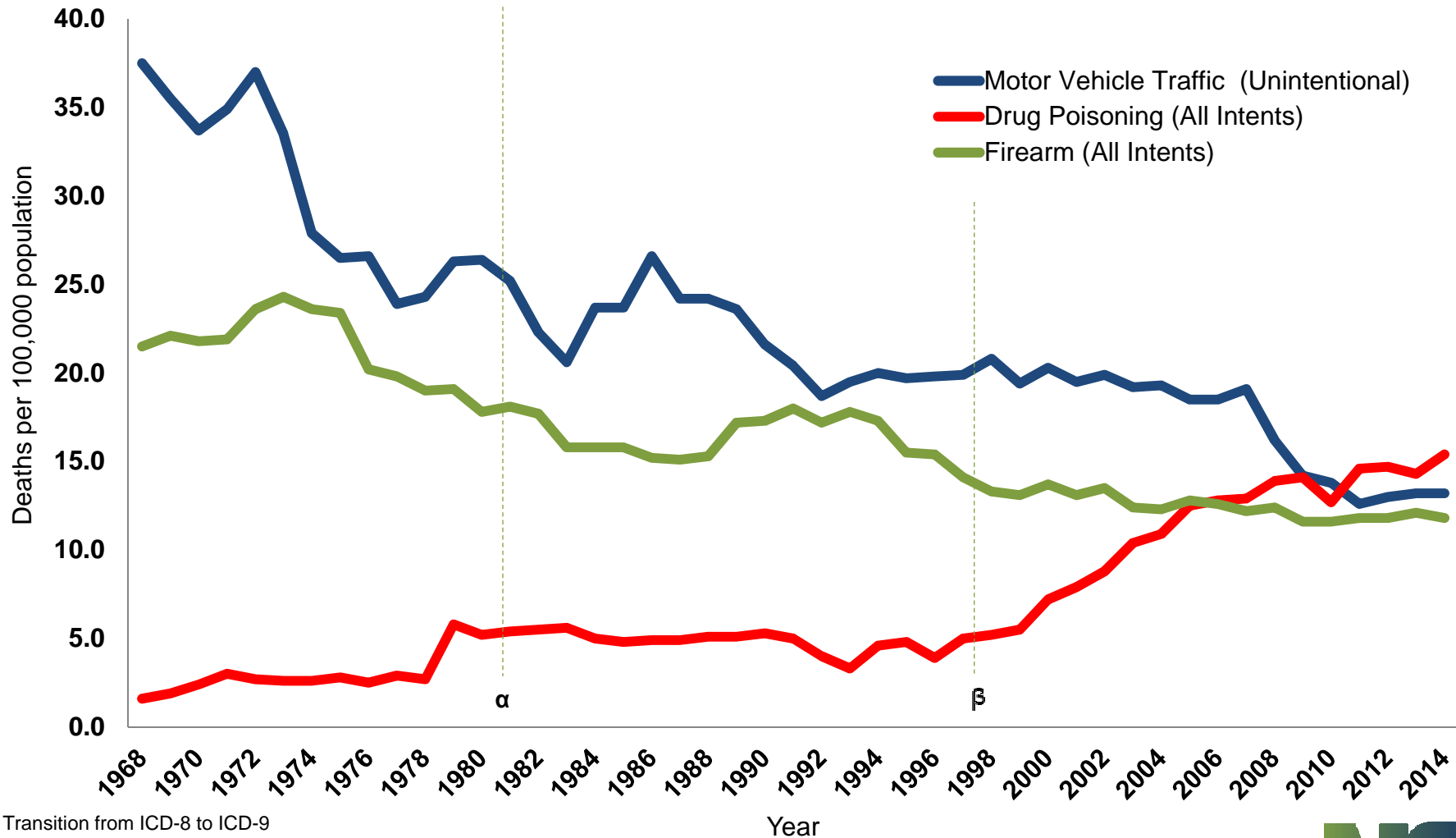
September 30, 2016

Medication and Drug Overdoses in North Carolina: Data Update



Death Rates* for Three Selected Causes of Injury

North Carolina, 1968-2014



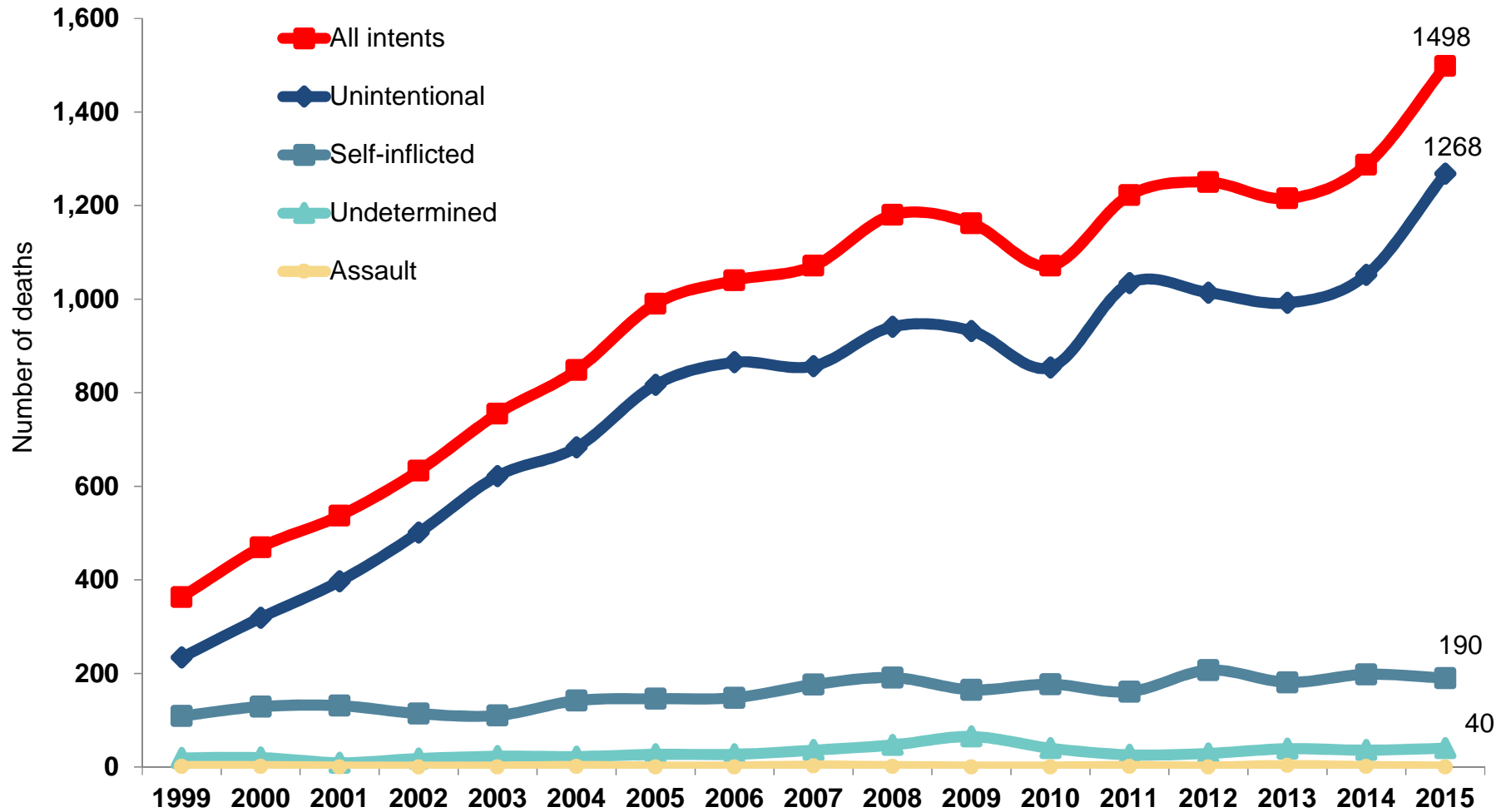
α - Transition from ICD-8 to ICD-9
 β - Transition from ICD-9 to ICD-10

*Per 100,00, age-adjusted to the 2000 U.S. Standard Population
 National Vital Statistics System, <http://wonder.cdc.gov>, multiple cause dataset
 Source: Death files, 1968-2014, CDC WONDER
 Analysis by Injury Epidemiology and Surveillance Unit



Medication or Drug Overdose Deaths by Intent

North Carolina Residents, 1999-2015

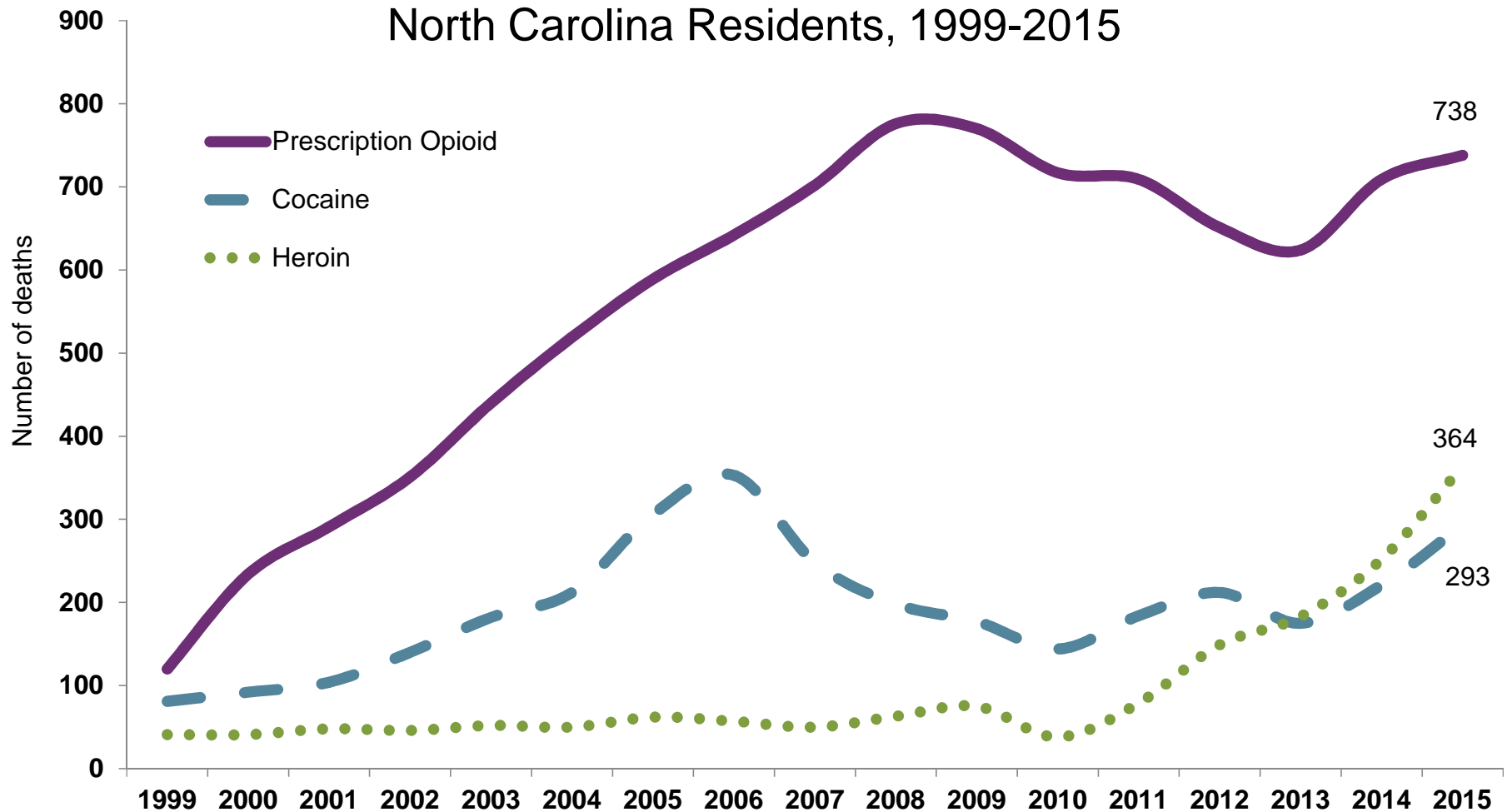


Source: N.C. State Center for Health Statistics, Vital Statistics-Deaths, 1999-2015
 Analysis by Injury Epidemiology and Surveillance Unit
 Medication or drug overdose: X40-X44, X60-X64, Y10-Y14, X85



Substances Contributing to Medication or Drug Overdose Deaths

North Carolina Residents, 1999-2015



Source: N.C. State Center for Health Statistics, Vital Statistics-Deaths, 1999-2015
Analysis by Injury Epidemiology and Surveillance Unit



The Good

NC's Statewide Standing Order for Naloxone

- June 20, 2016, Gov. McCrory signed legislation authorizing state health director to issue statewide standing order for naloxone.
- Dr. Randall Williams signed a statewide standing order for:
 - Persons who are at risk
 - Family member or friend of a person at risk
 - Persons who are in the position to assist

NaloxoneSaves.Org: Home Page



FOR NALOXONE DISPENSERS

My pharmacy wants to participate in the standing order



NALOXONE USER SURVEY

I recently used naloxone



GENERAL INFORMATION

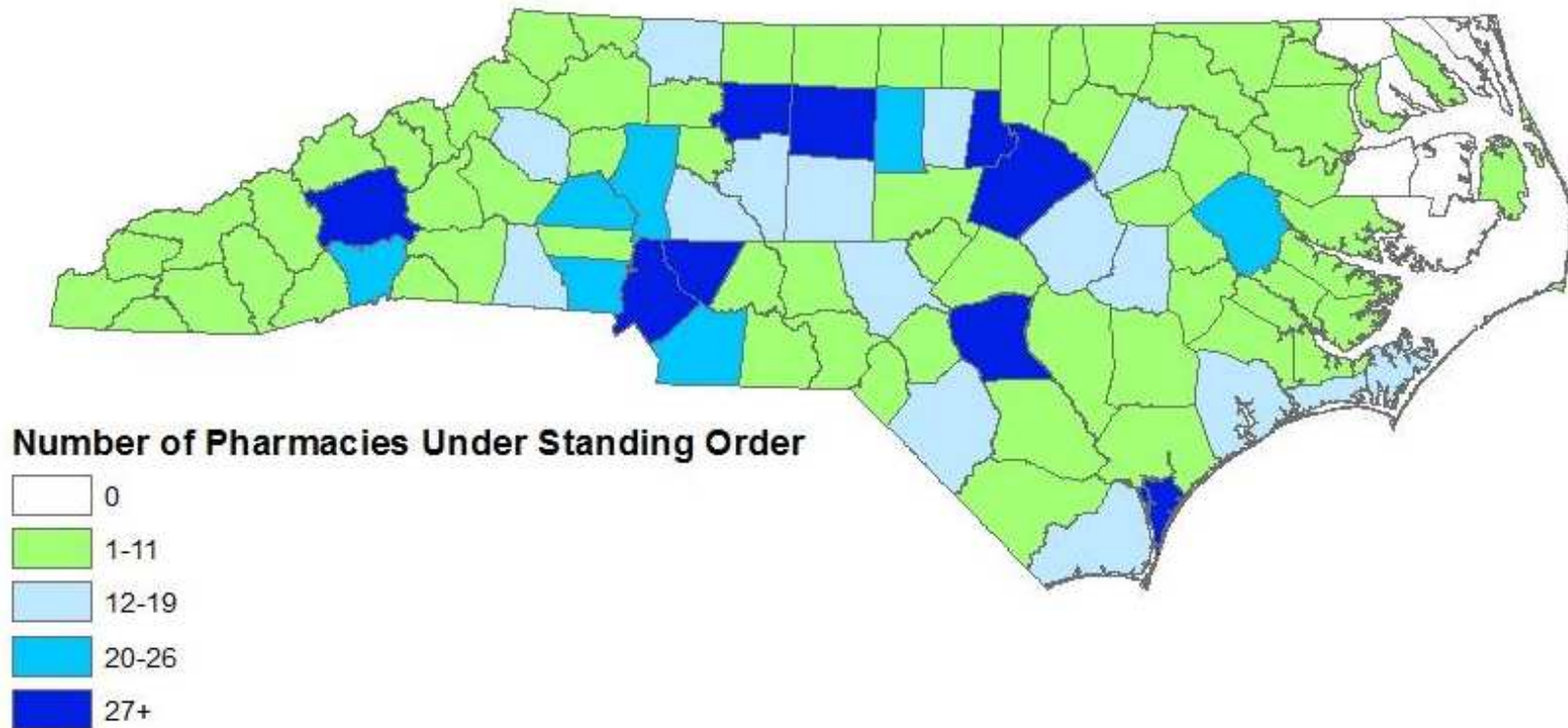
I am looking for more information about naloxone

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Number of Pharmacies under Standing Order by County

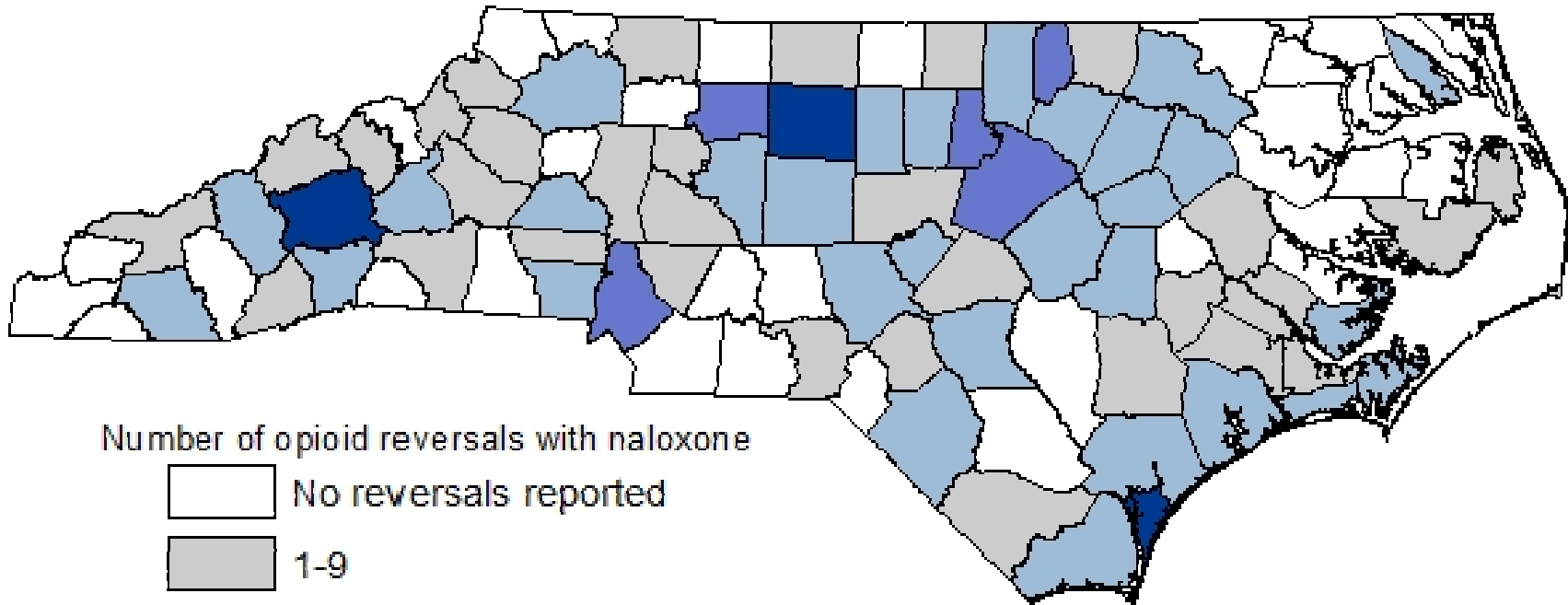
Sept 2016 (N=1,327)



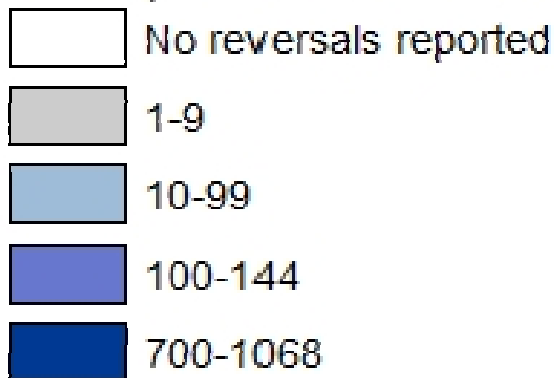
Source: North Carolina Injury and Violence Prevention Branch
UNC Injury Prevention and Research Center (IPRC), September 2016
Analysis: Injury Epidemiology and Surveillance Unit

Number of Opioid Overdose Reversals with Naloxone Reported by the North Carolina Harm Reduction Coalition by County

8/1/2013 - 8/31/2016 (4,384 total reversals reported)



Number of opioid reversals with naloxone

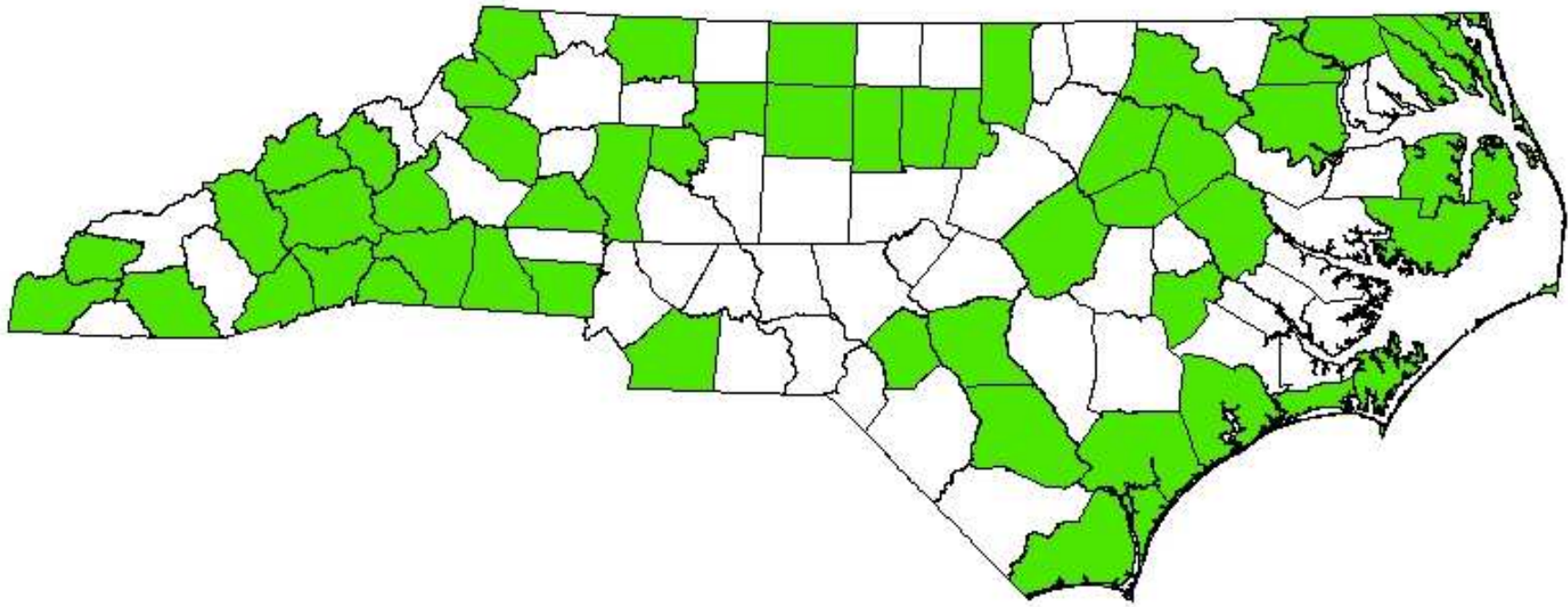


16 reversals in an unknown location in North Carolina and 60 reversals using NCHRC kits in other states reported to NCHRC.

Source: North Carolina Harm Reduction Coalition, September 2016
Analysis: Injury Epidemiology and Surveillance Unit

Law Enforcement Carrying Naloxone by County

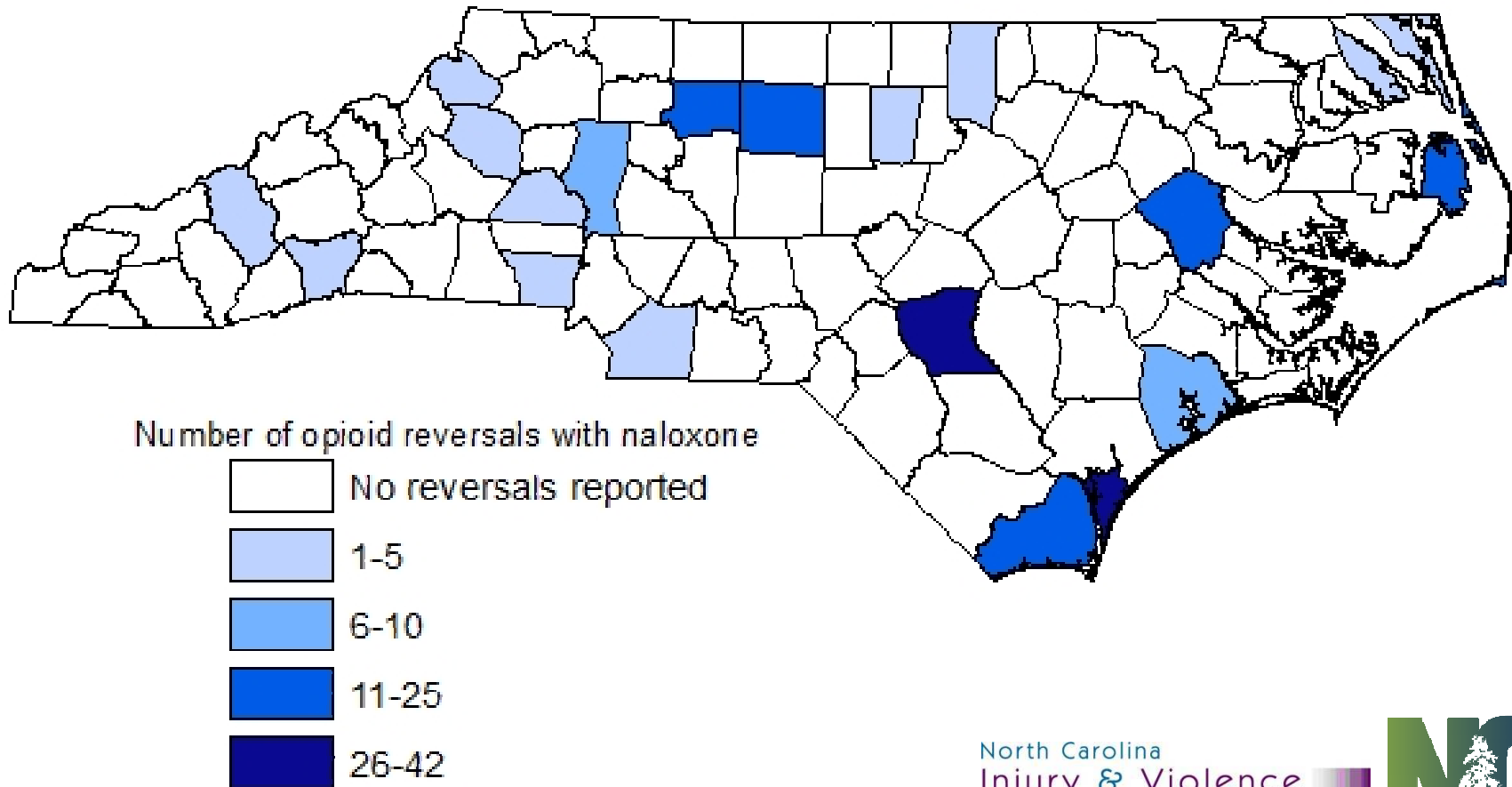
As of August 31, 2016 (53 Counties, 122 Agencies)



Source: North Carolina Harm Reduction Coalition, September 2016
Analysis: Injury Epidemiology and Surveillance Unit

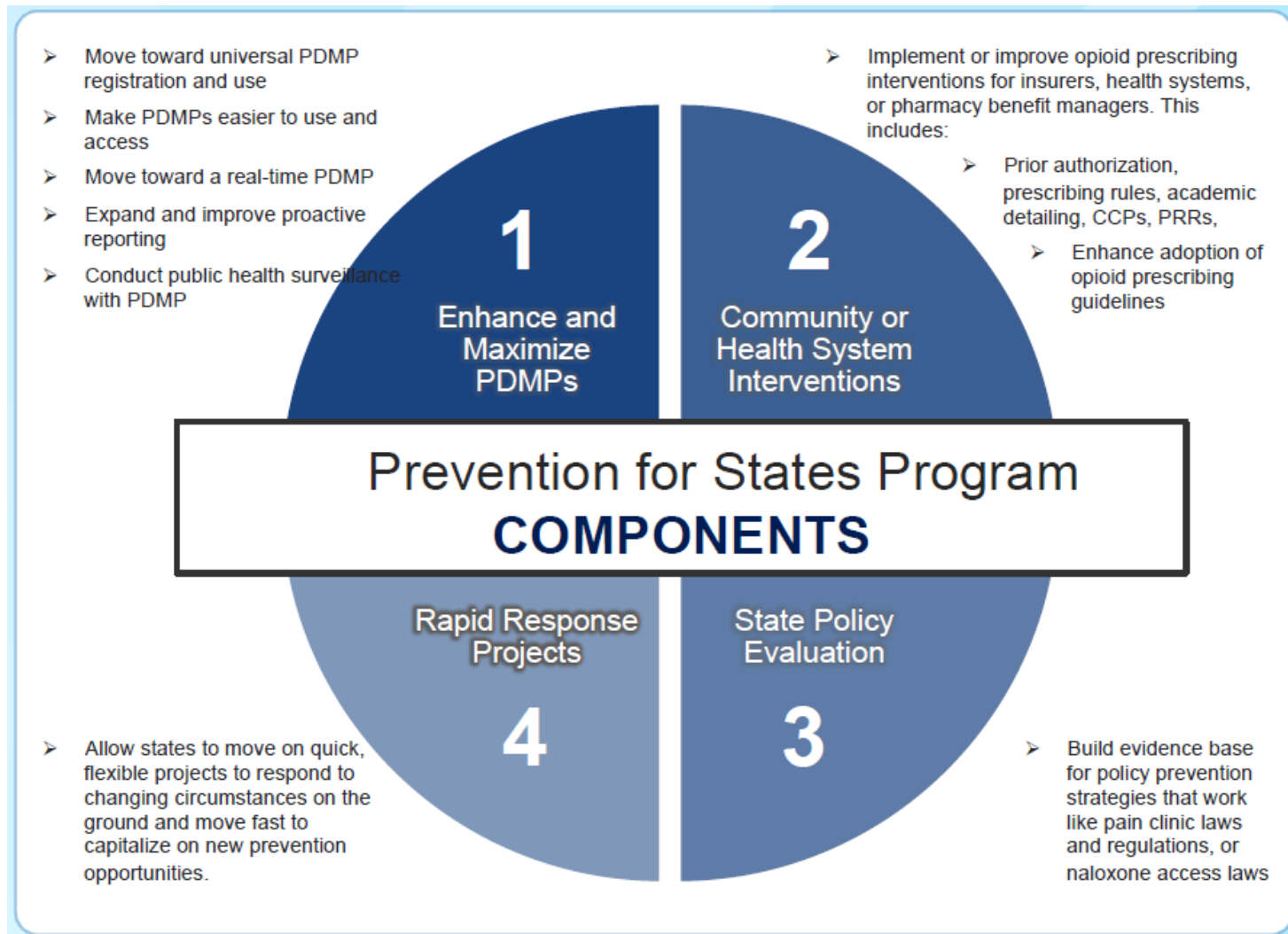
Number of Opioid Overdose Reversals with Naloxone Reported by NC Law Enforcement

1/1/2015 - 8/31/2016 (186 total reversals reported)



Source: North Carolina Harm Reduction Coalition, September 2016
Analysis: Injury Epidemiology and Surveillance Unit

CDC Prevention for States (PfS)

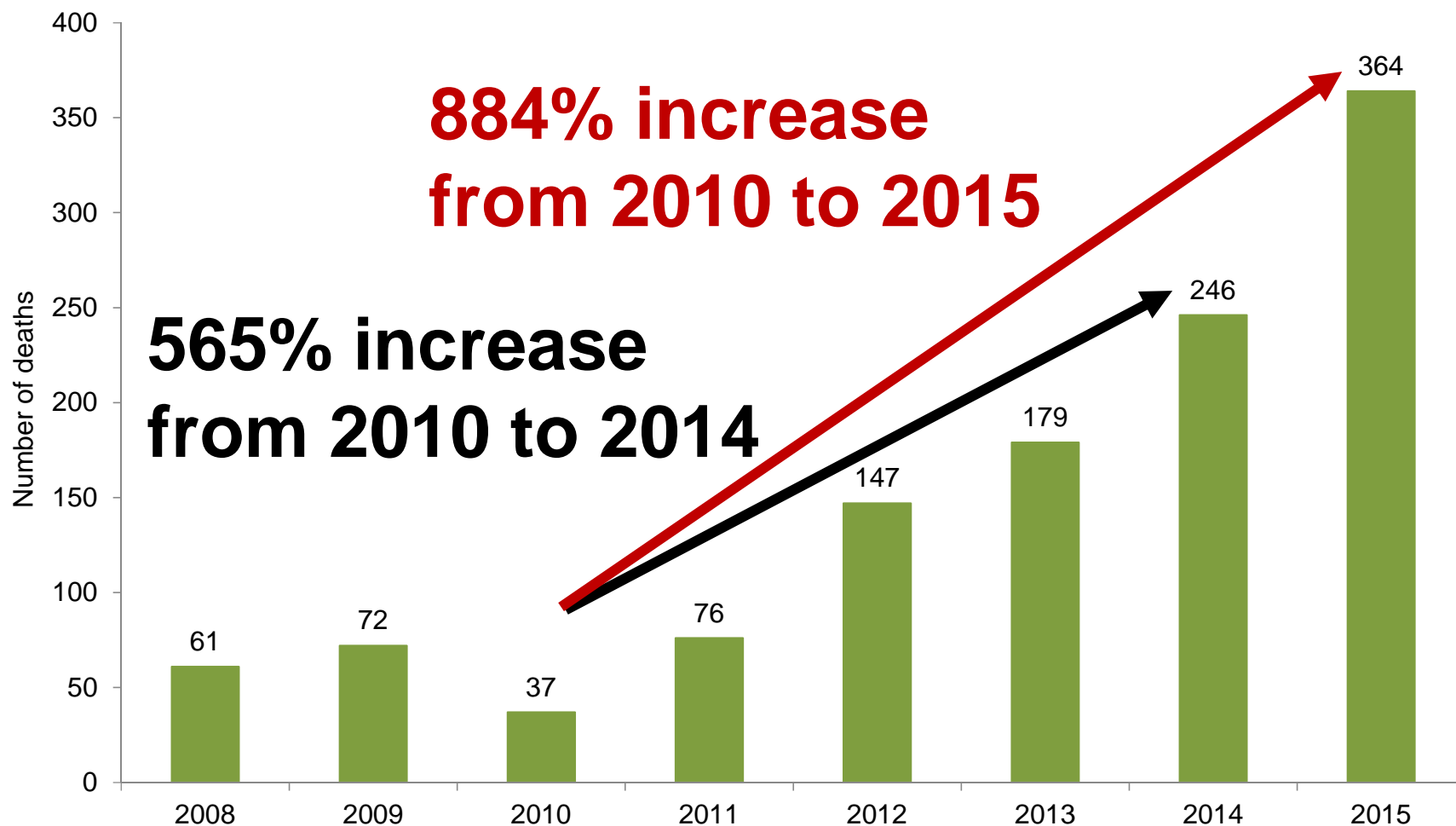




The Bad

Heroin Deaths

North Carolina Residents, 2008-2015



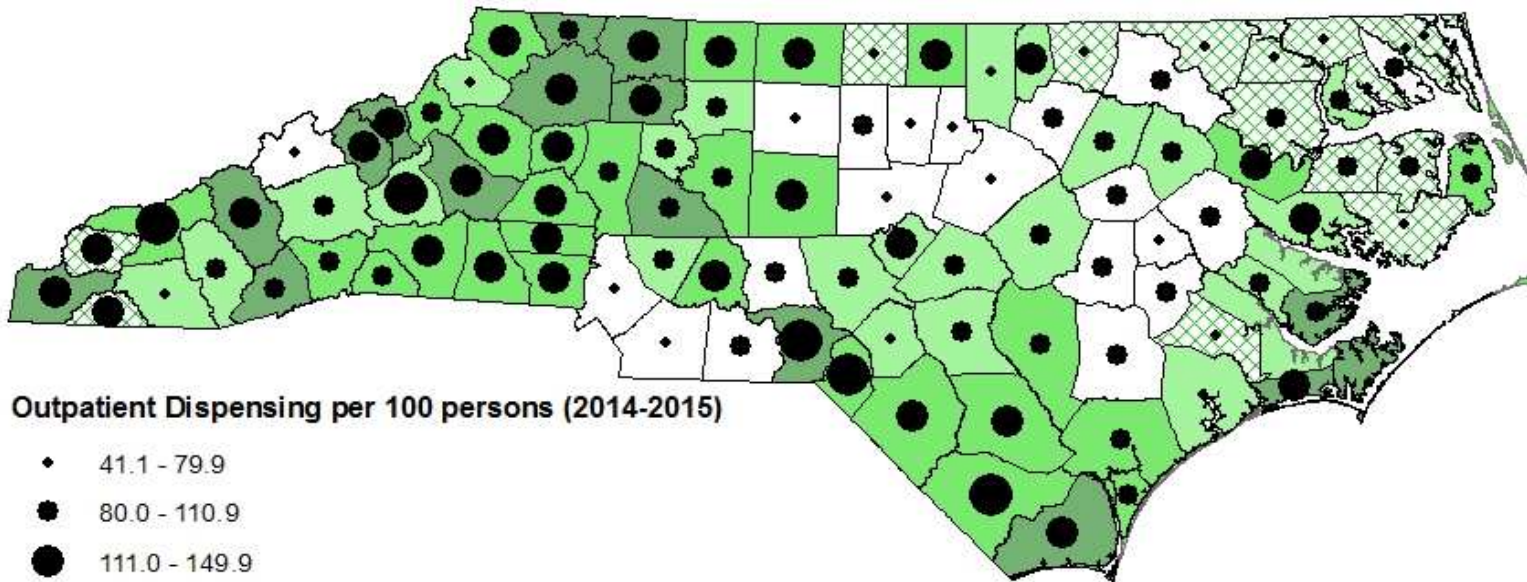
Source: N.C. State Center for Health Statistics, Vital Statistics-Deaths, 2008- 2015
Analysis by Injury Epidemiology and Surveillance Unit

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Rate of Unintentional/Undetermined Prescription Opioid Overdose Deaths and Rate of Outpatient Prescriptions Dispensed for Opioids

North Carolina Residents, 2011-2015



Outpatient Dispensing per 100 persons (2014-2015)

- 41.1 - 79.9
- 80.0 - 110.9
- 111.0 - 149.9
- 150.0 +

Overdose Rates per 100,000 persons (2011-2015)

- 0 - 4
- 5 - 7
- 8 - 11
- 12+
- ▨ Rate not calculated <5 deaths

Average mortality rate: 6.4 per 100,000 persons

Average dispensing rate: 89.4 per 100 persons

*Data: Mortality - State Center for Health Statistics, NC Division of Public Health, 2011-2015
 Population - National Center for Health Statistics, 2011-2015
 Opioid Dispensing - Controlled Substance Reporting System, 2014-2015

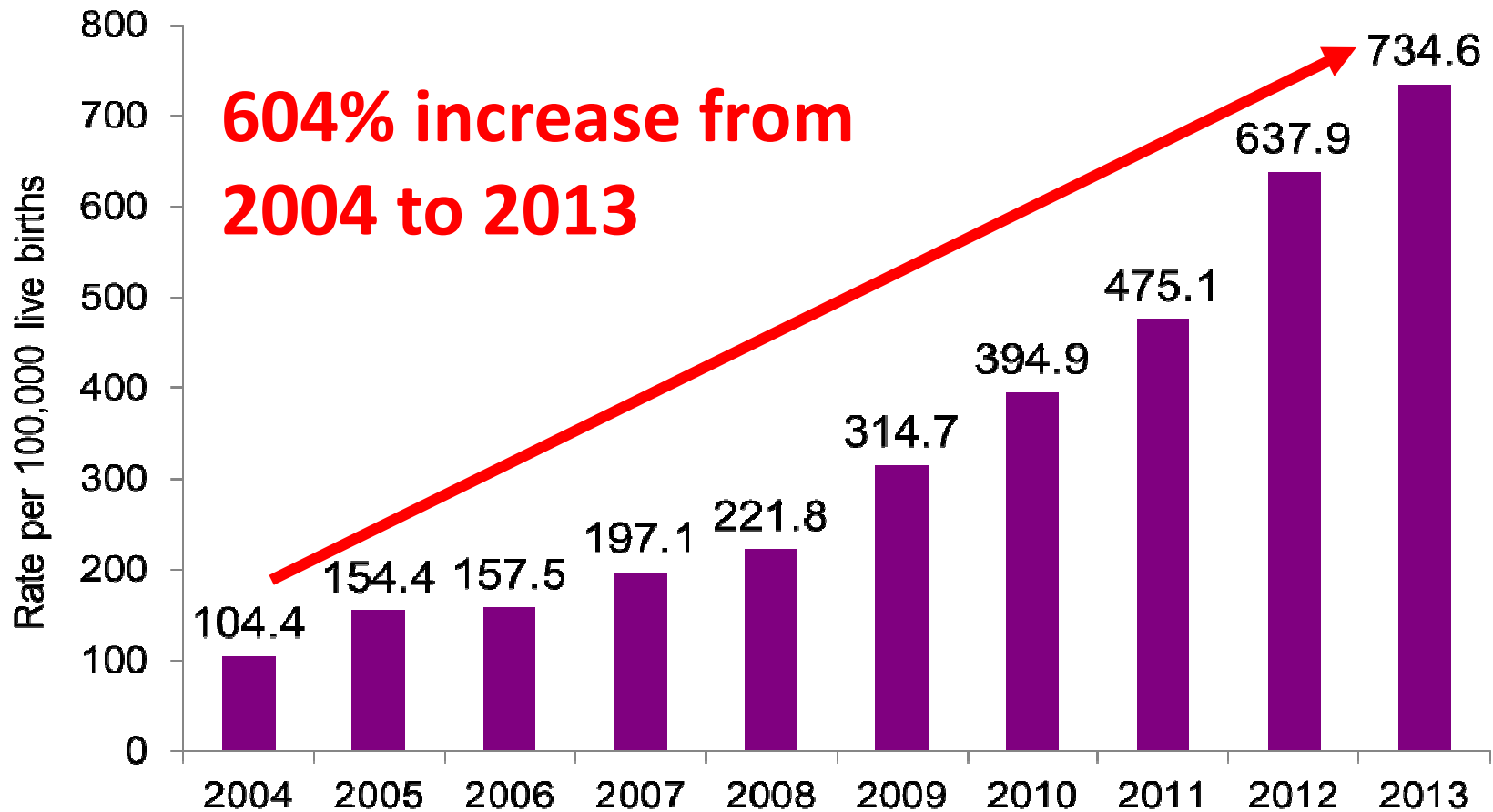




The Ugly

Rate of Hospitalizations Associated with Drug Withdrawal in Newborns

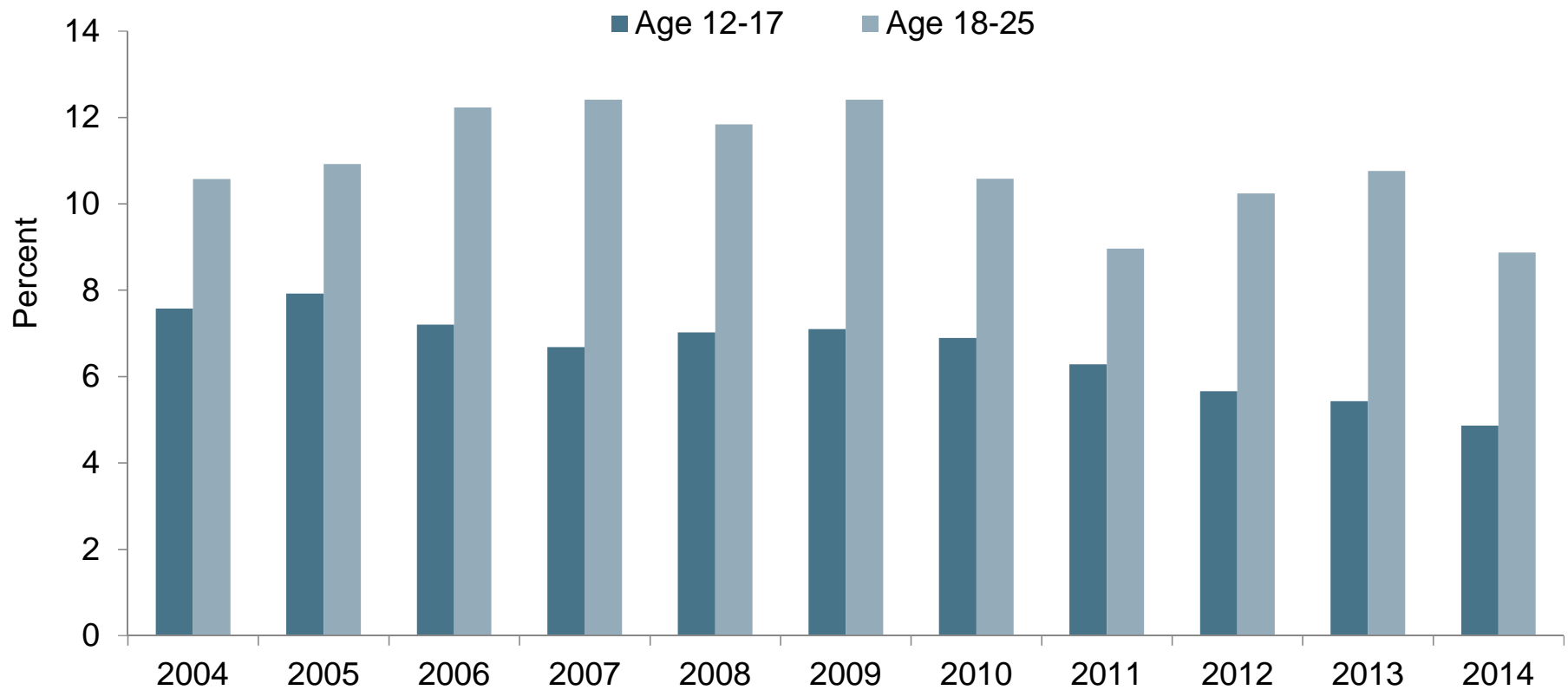
North Carolina Residents, 2004-2013



Source: N.C. State Center for Health Statistics, 2004-2013
Analysis: Injury Epidemiology and Surveillance Unit

Percent Non Medical Use of Pain Relievers During Past Year among Adolescents and Young Adults

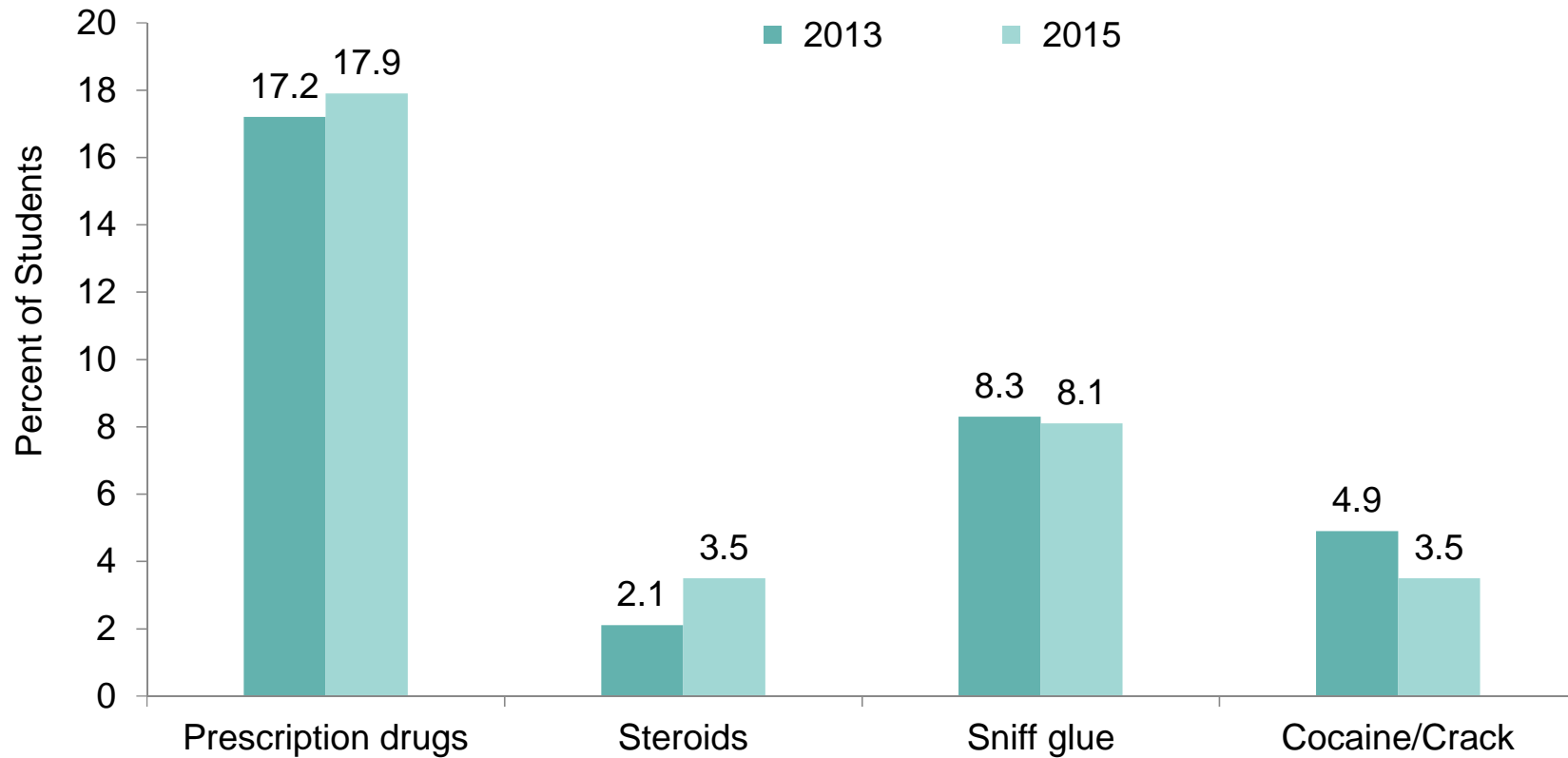
North Carolina, 2004-2014



Source: National Survey on Drug Use and Health (NSDUH), SAMHSA
Analysis: Injury Epidemiology and Surveillance Unit

Self-reported Lifetime Use of Drugs among High School Students

North Carolina HS Students, 2013 & 2015



Source: NC Youth Risk Behavioral Survey (YRBS), 2013-2015
Analysis: Injury Epidemiology and Surveillance Unit

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¿Preguntas?

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