

Drug- and Alcohol-Related Intoxication Deaths in Maryland

**Meeting of the Inter-Agency Heroin and Opioid
Coordinating Council**

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Update on DHMH Data Activities

- **Intoxication Data Registry**
- **2014 overdose deaths—final counts**
- **Next steps**

DHMH intoxication death registry

- **Unintentional intoxication deaths**
 - Recent ingestion or exposure to alcohol or another type of drug
 - Manner of death = accidental or undetermined
- **2007- present** (n > 6600, updated monthly)
- **Sources of data**
 - OCME records
 - Death certificate data
 - Other sources

OCME data

- **Name**
- **Demographic information**
 - Age
 - Date of birth
 - Race/ethnicity
 - Gender
 - SSN
- **Location of death**
- **Place of residence**
- **Date of death**
- **Scene examination**
- **Manner of death** (accidental or undetermined)
- **Toxicology results for >100 substances**
- **Cause of death** (substances involved)

Heroin-related deaths

- Confirmed
 - “Heroin” mentioned in cause of death; or
 - Toxicology screen showed a positive result for 6-monoacetylmorphine; or
 - Toxicology screen showed positive results for both morphine and quinine
- Suspected
 - Death appears to be heroin-related through scene investigation
 - Associated with morphine; no indication that Rx morphine was involved

Intoxication Data Registry

- OCME records
- **Death certificate data**
 - Additional data items
 - Updated demographic data

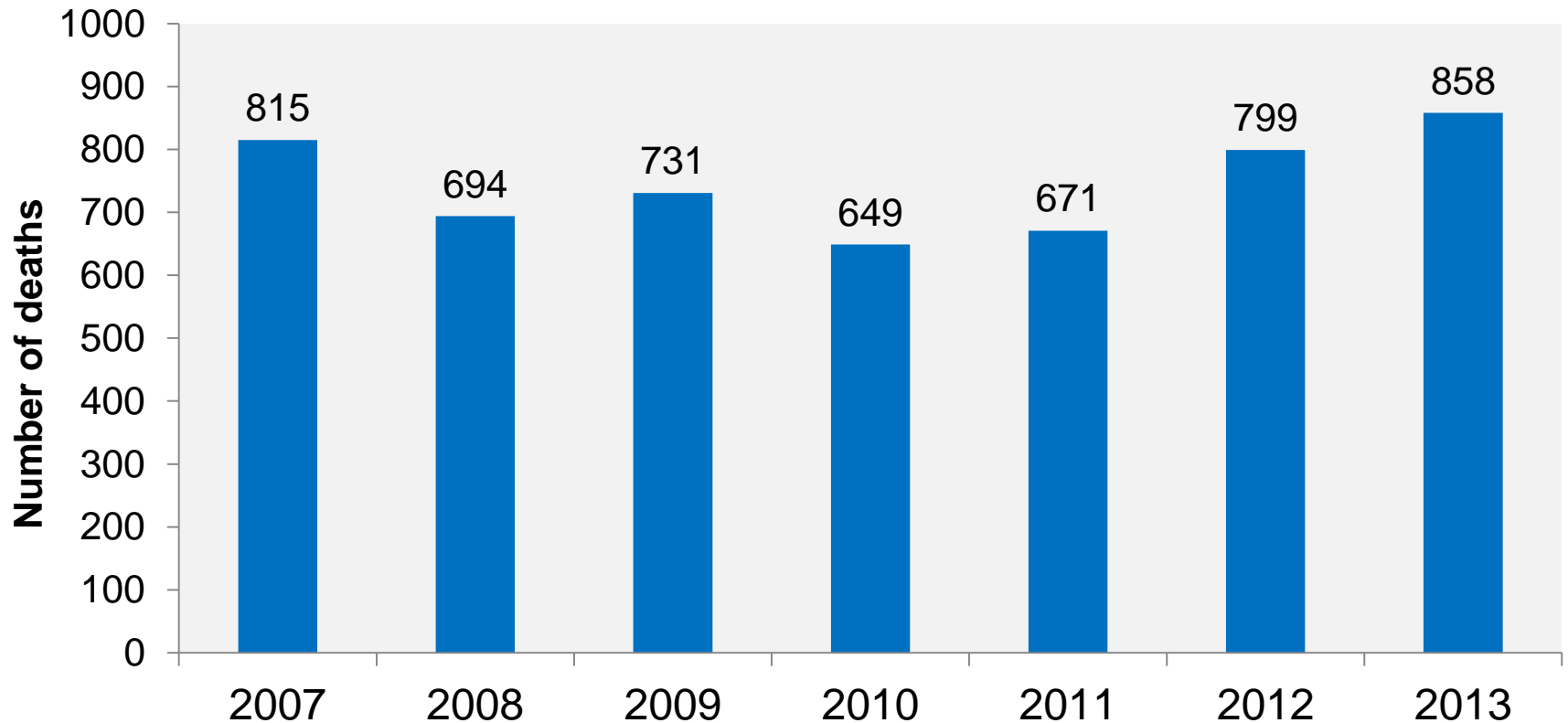
Intoxication Data Registry

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- **Additional data sources**

2014 Overdose Deaths

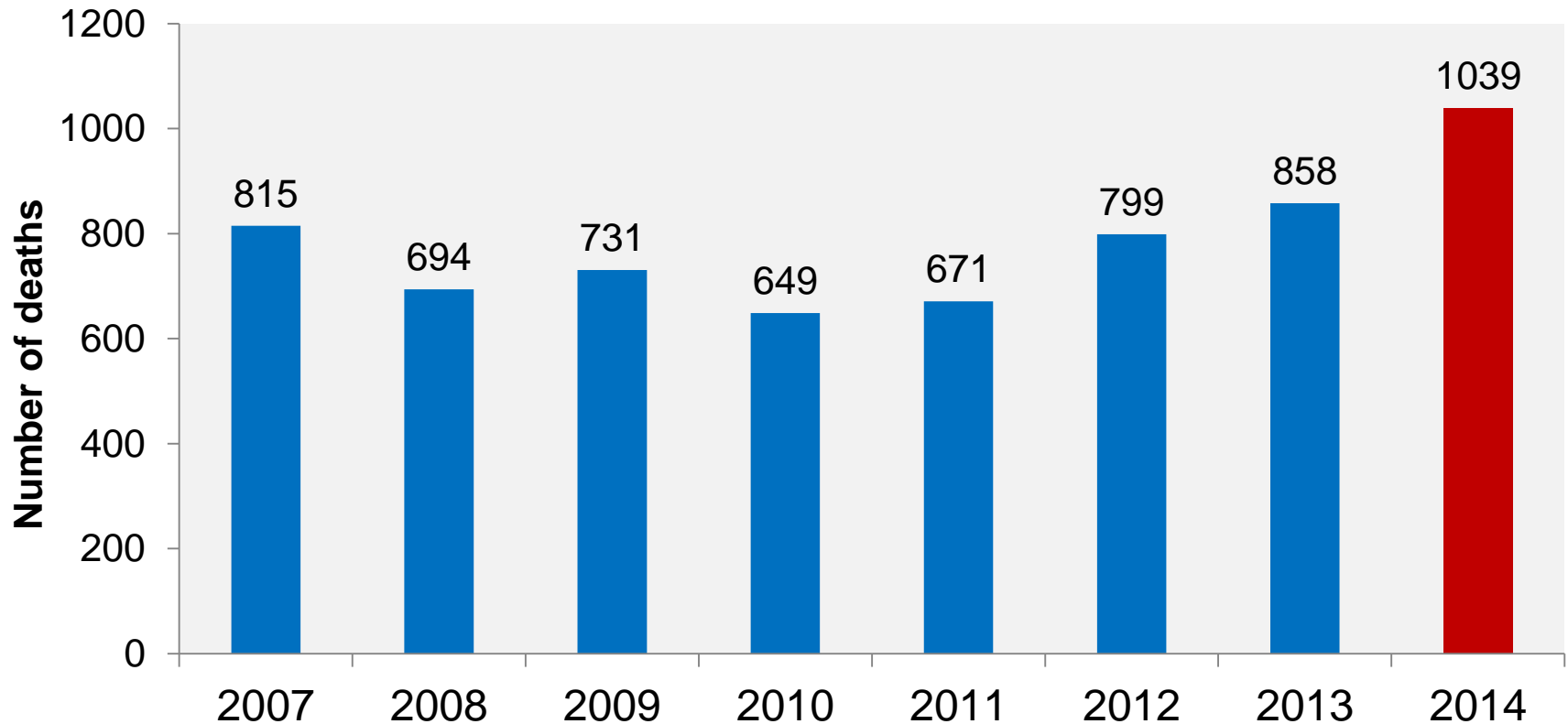
TOTAL INTOXICATION DEATHS

2007-2013



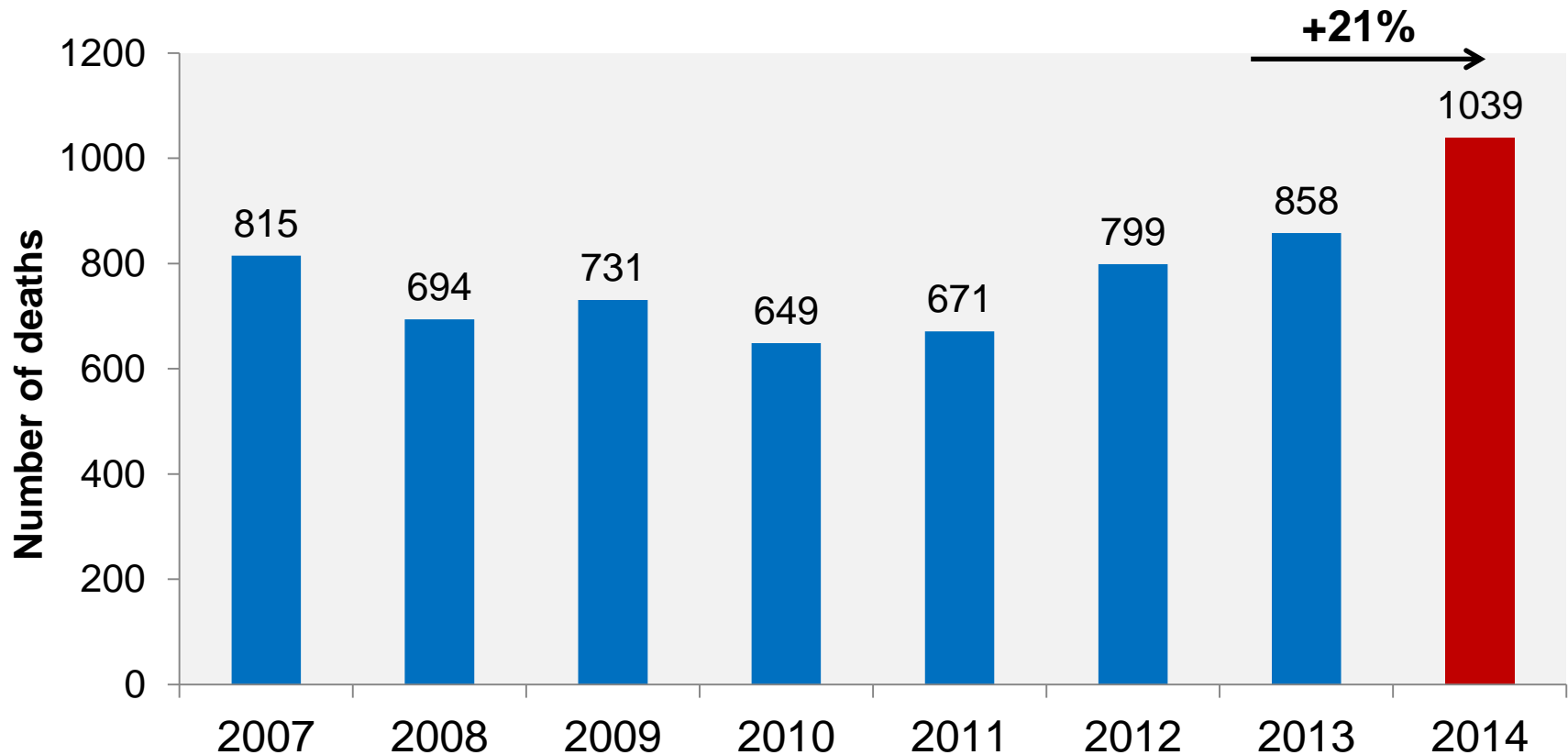
TOTAL INTOXICATION DEATHS

2007-2014



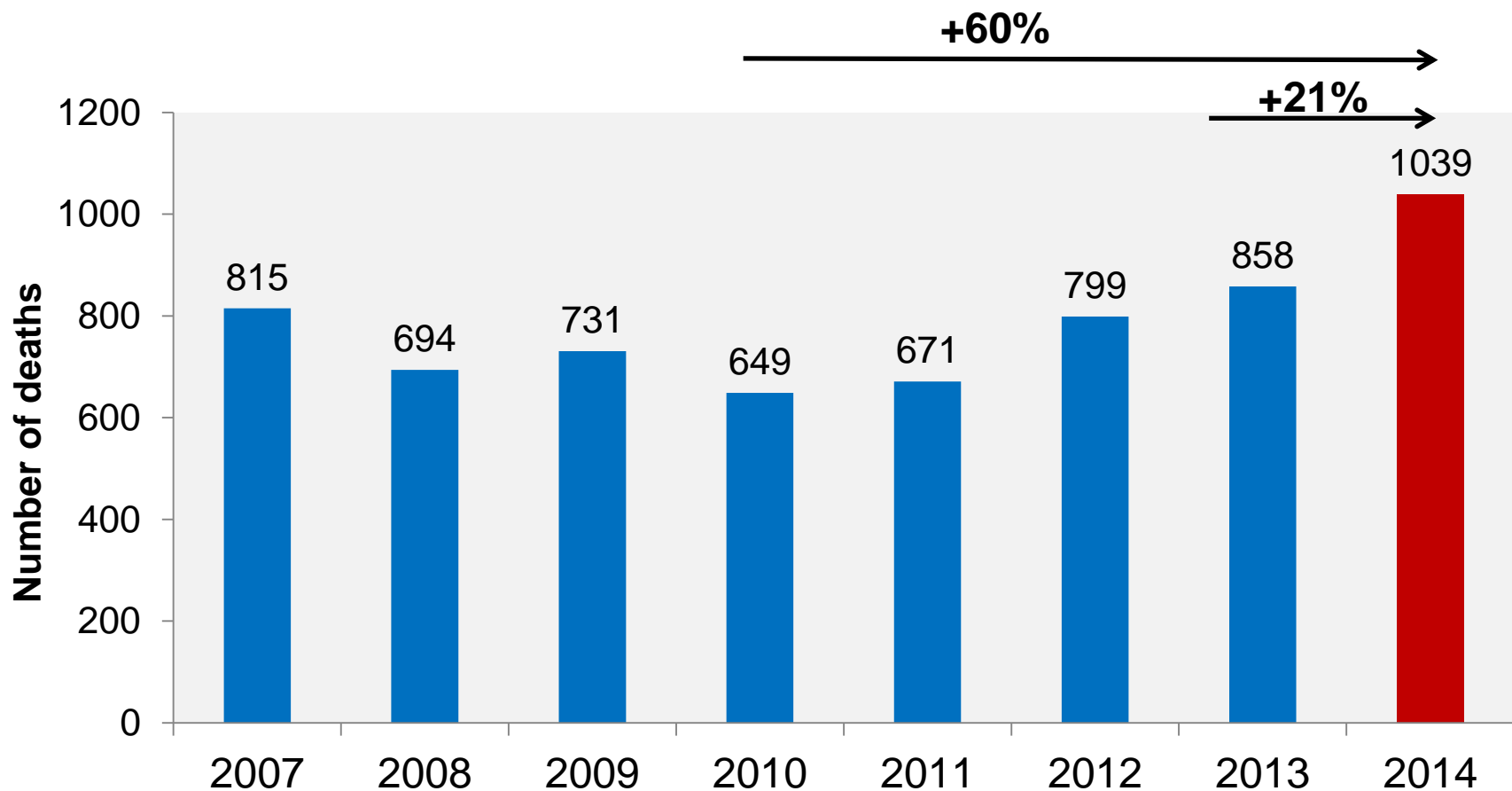
TOTAL INTOXICATION DEATHS

2007-2014

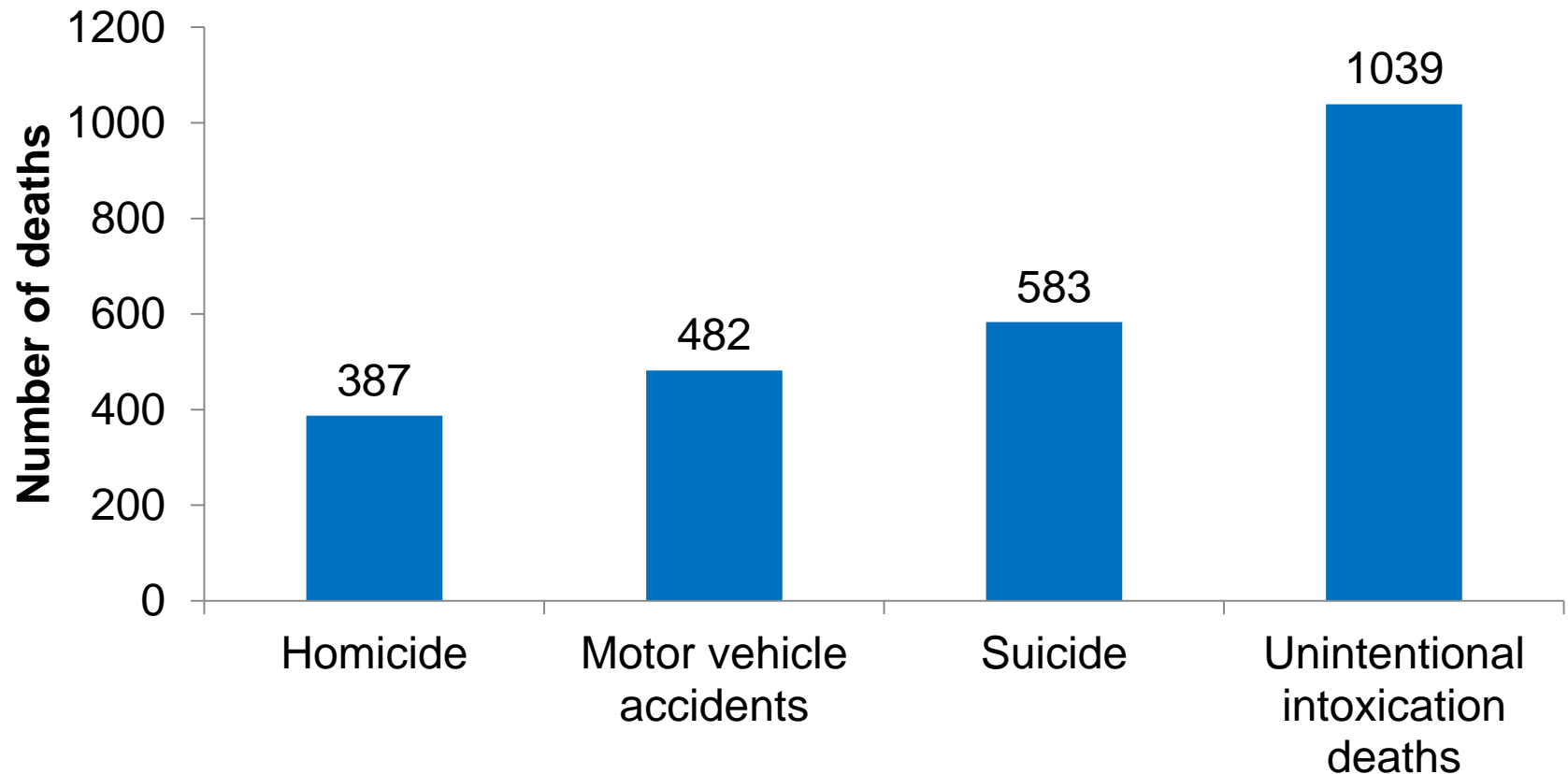


TOTAL INTOXICATION DEATHS

2007-2014



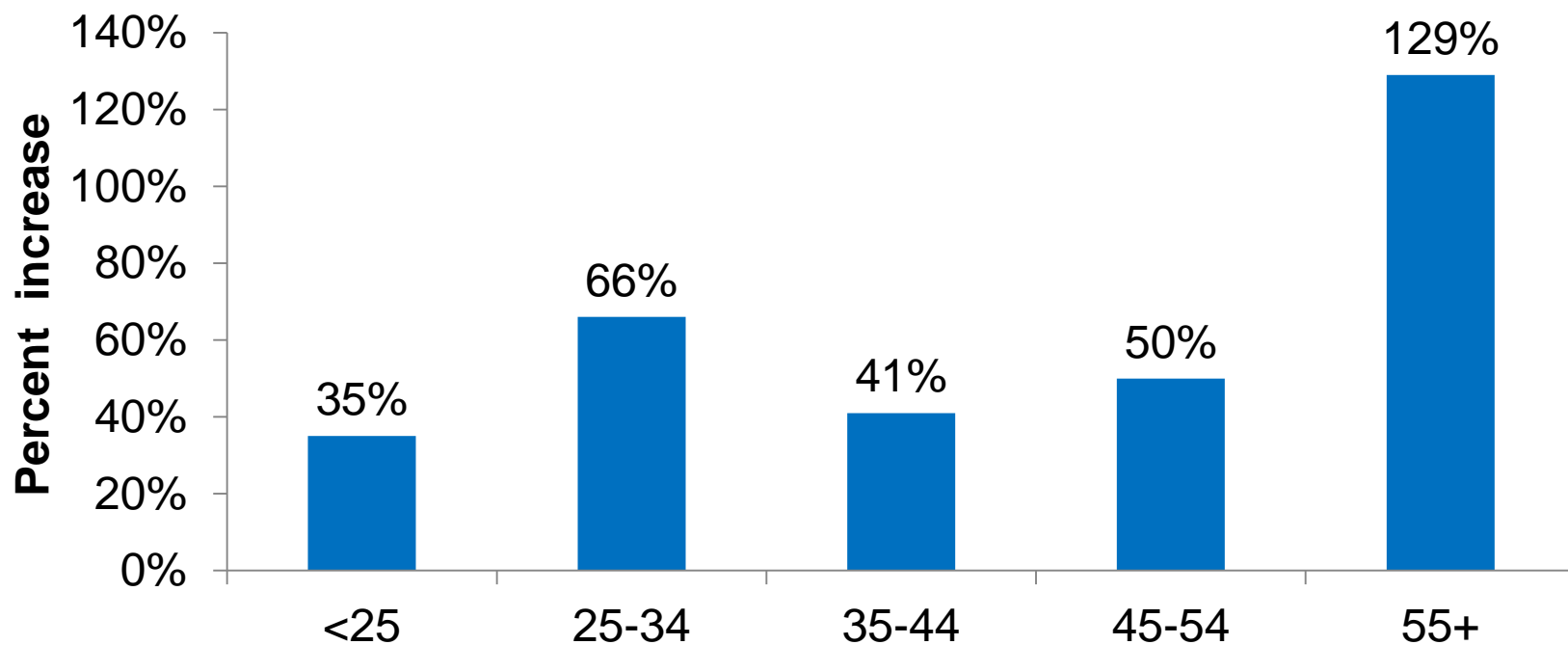
Deaths occurring in Maryland, 2014



Deaths have increased:

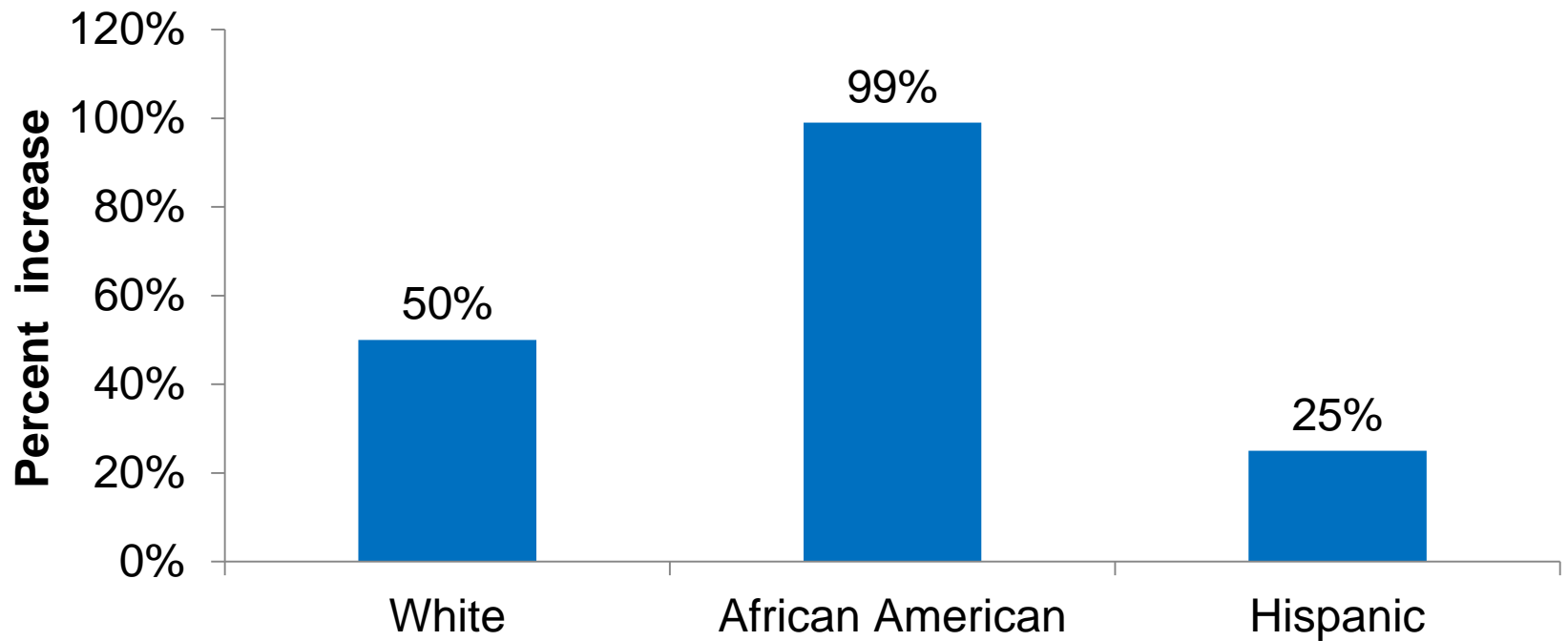
- All age groups
- Whites and African Americans
- Men and women
- All regions of the State

Percent increase in total deaths by age, 2010-2014



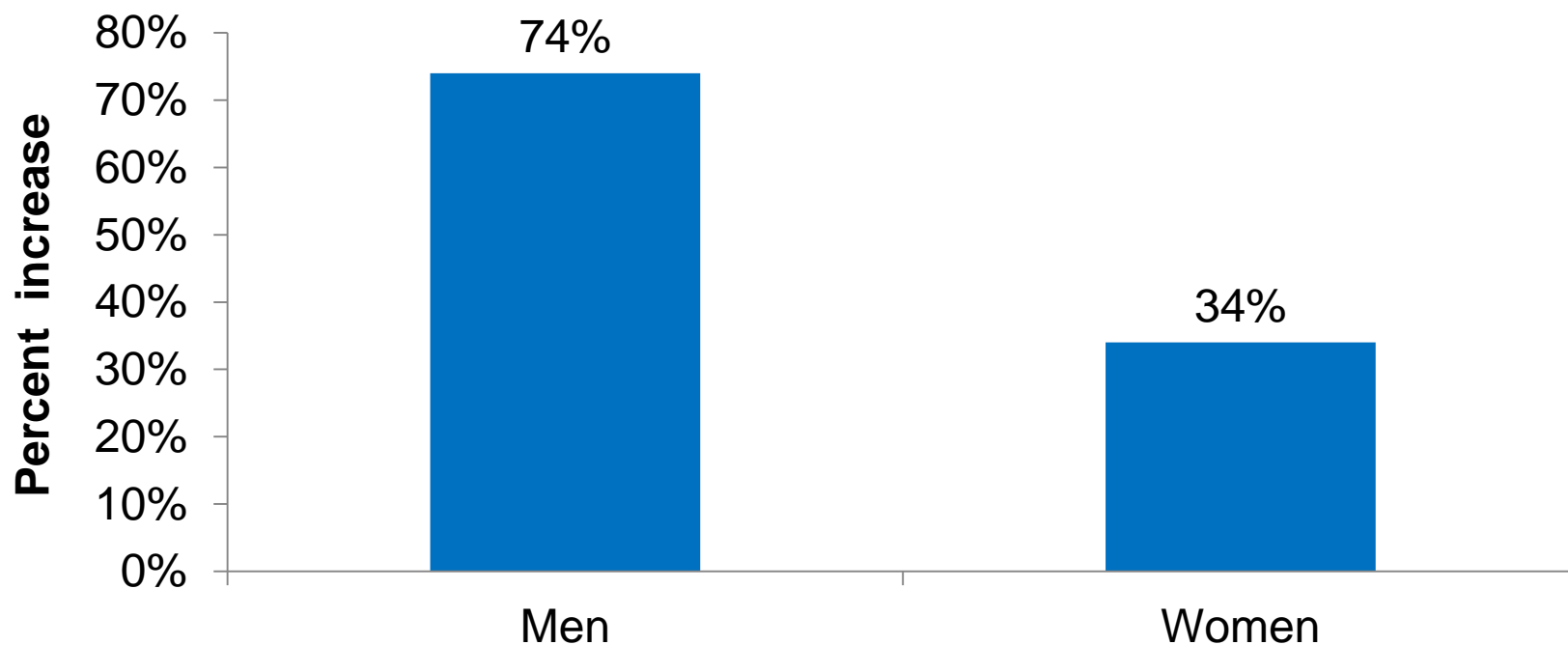
¹Excludes one decedent of unknown age.

Percent increase in total deaths by race and Hispanic origin, 2010-2014



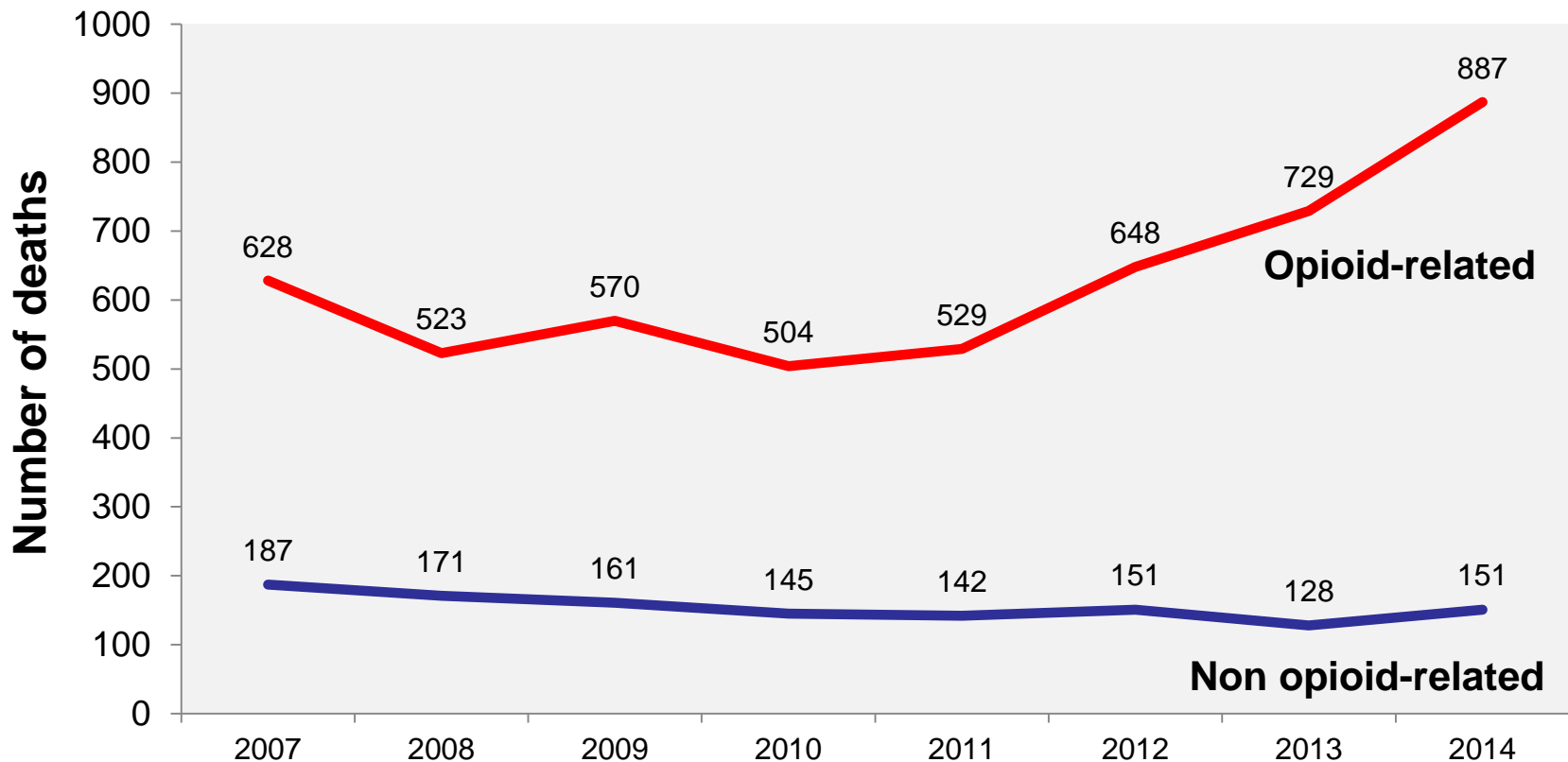
¹Excludes one decedent of unknown age.

Percent increase in total deaths by gender, 2010-2014



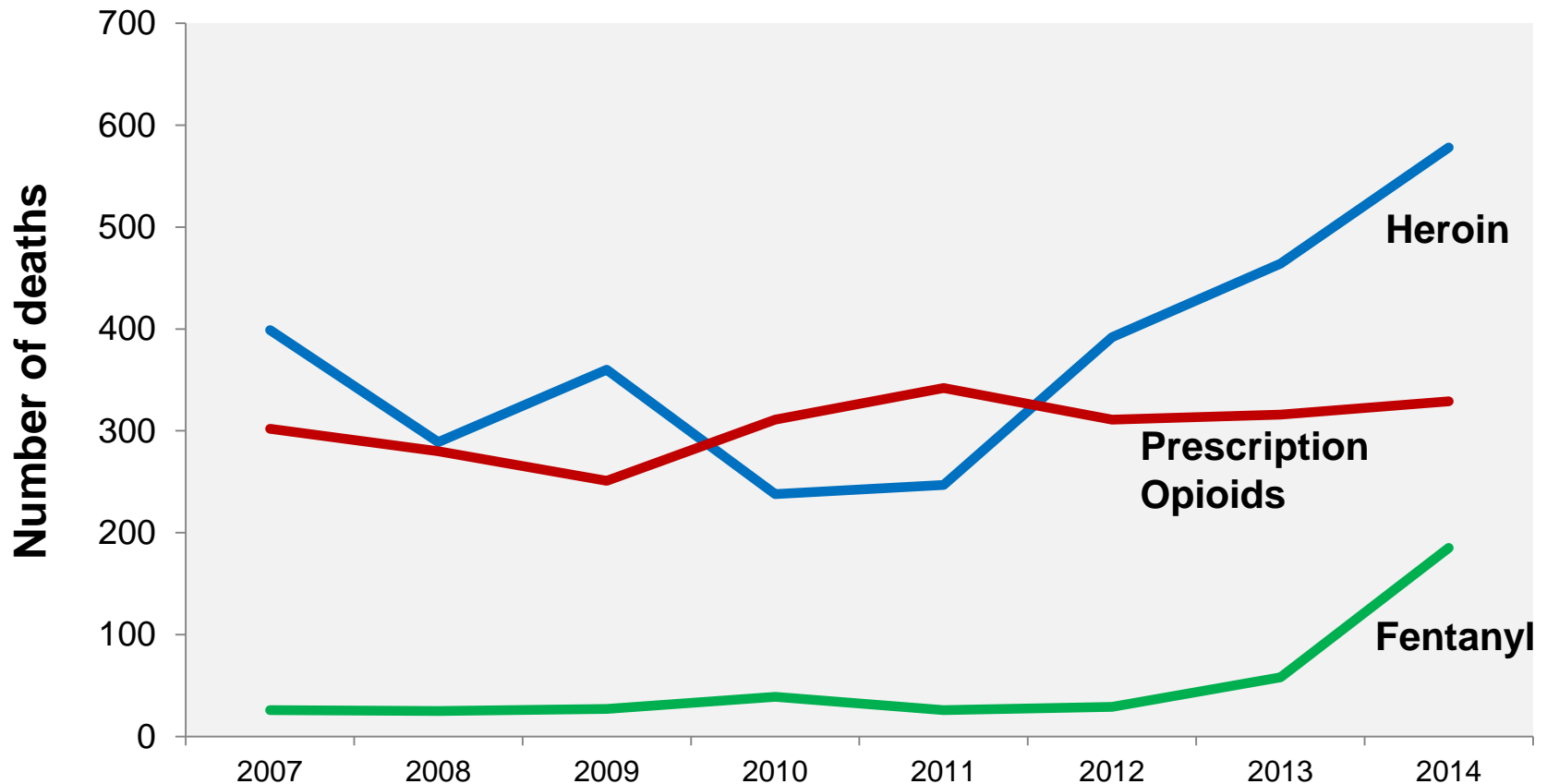
¹Excludes one decedent of unknown age.

Number of Opioid and Non-Opioid- Related Deaths Occurring in Maryland, 2007-2014.



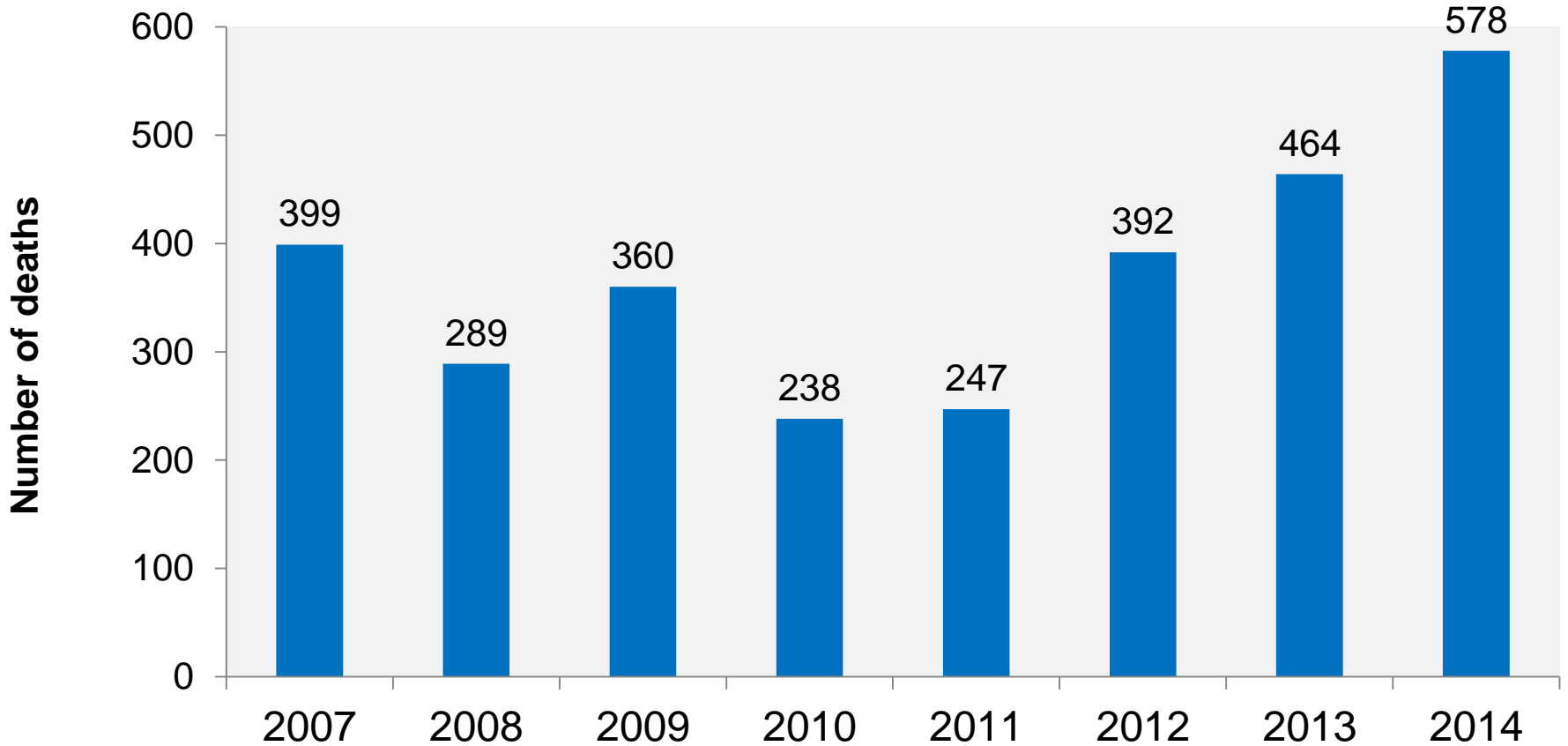
*Total opioids include heroin, prescription opioids, and illicit forms of fentanyl.

Number of Opioid-Related Deaths Occurring in Maryland by Substance, 2007-2014.

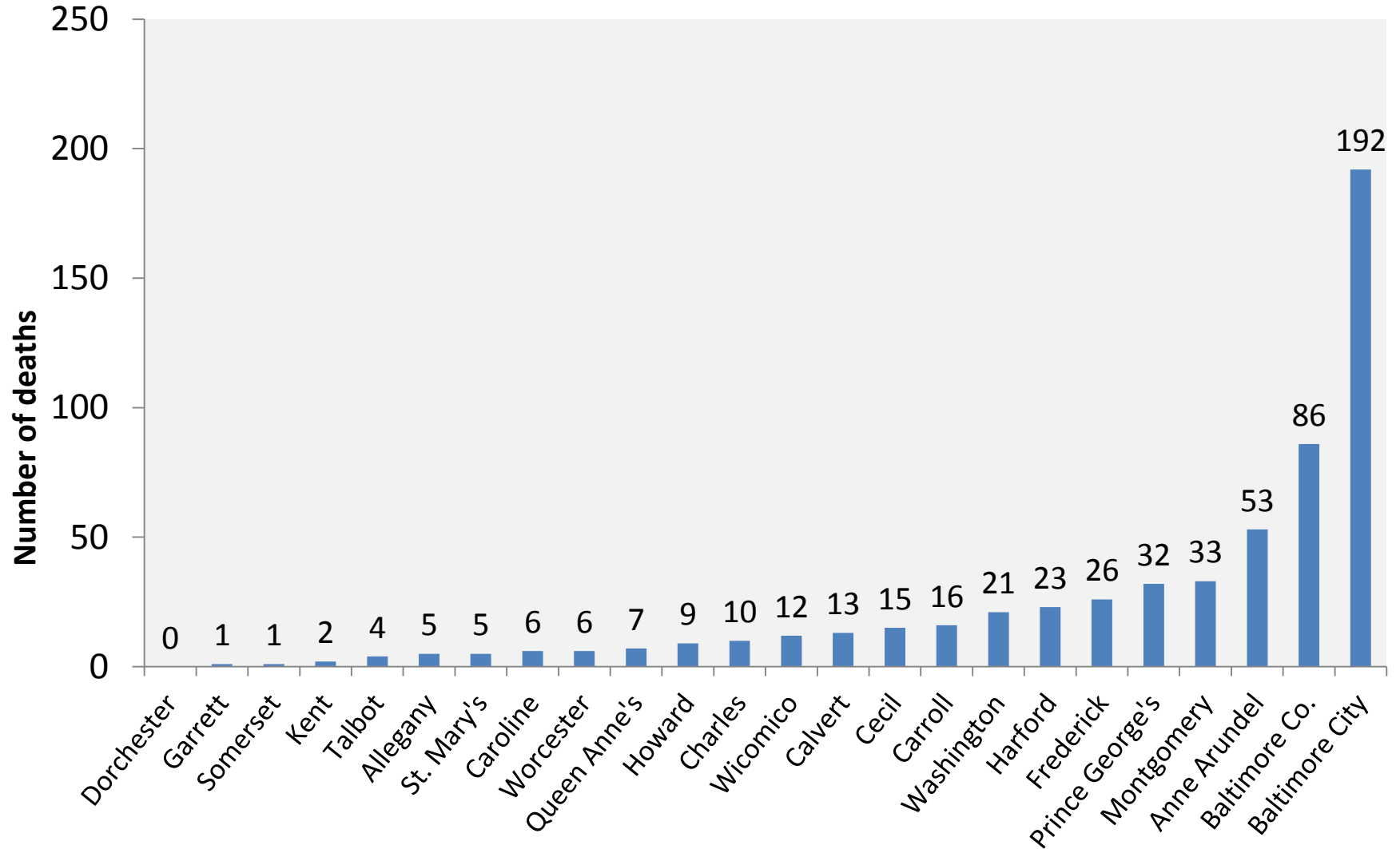


*Total opioids include heroin, prescription opioids, and illicit forms of fentanyl.

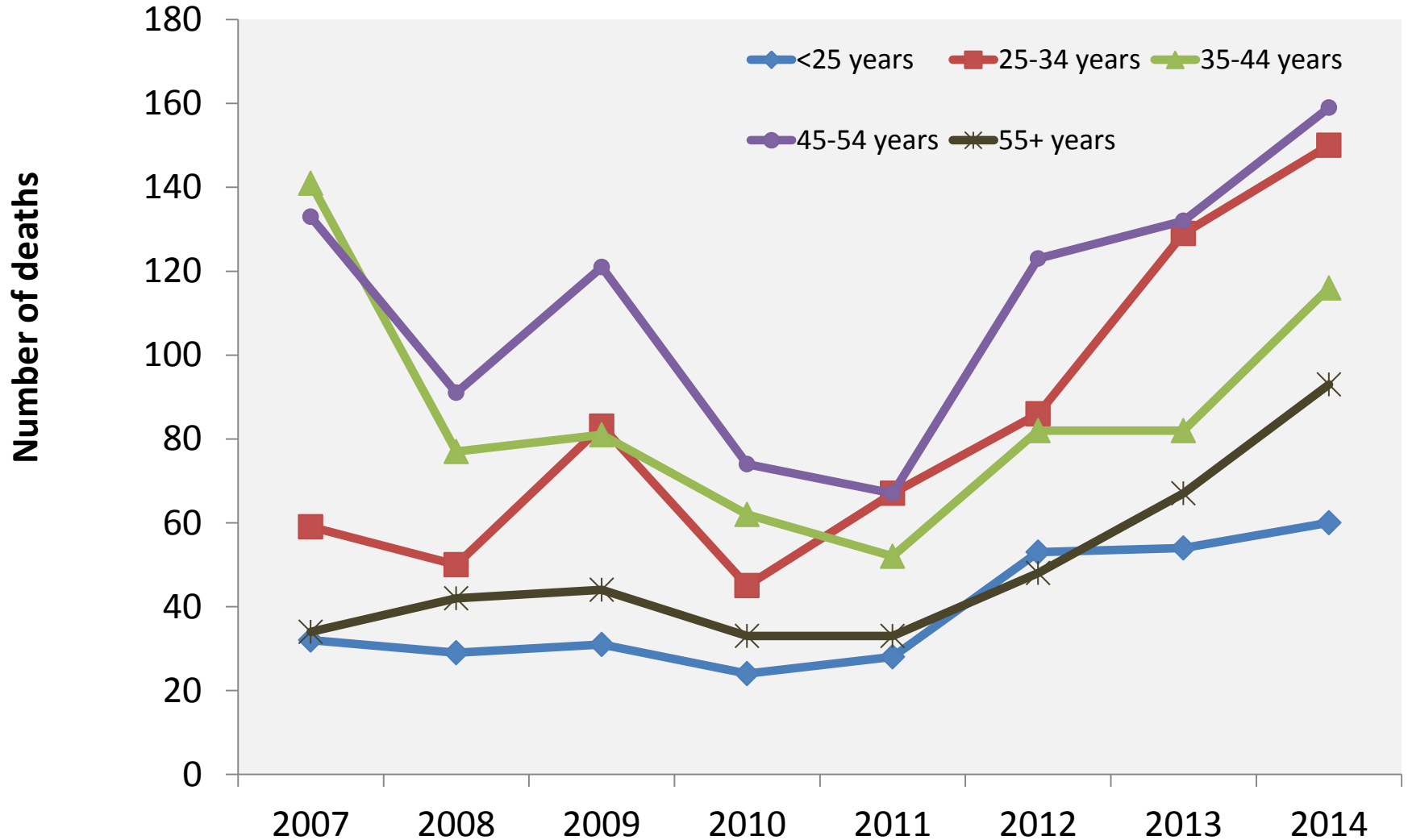
HEROIN-RELATED DEATHS



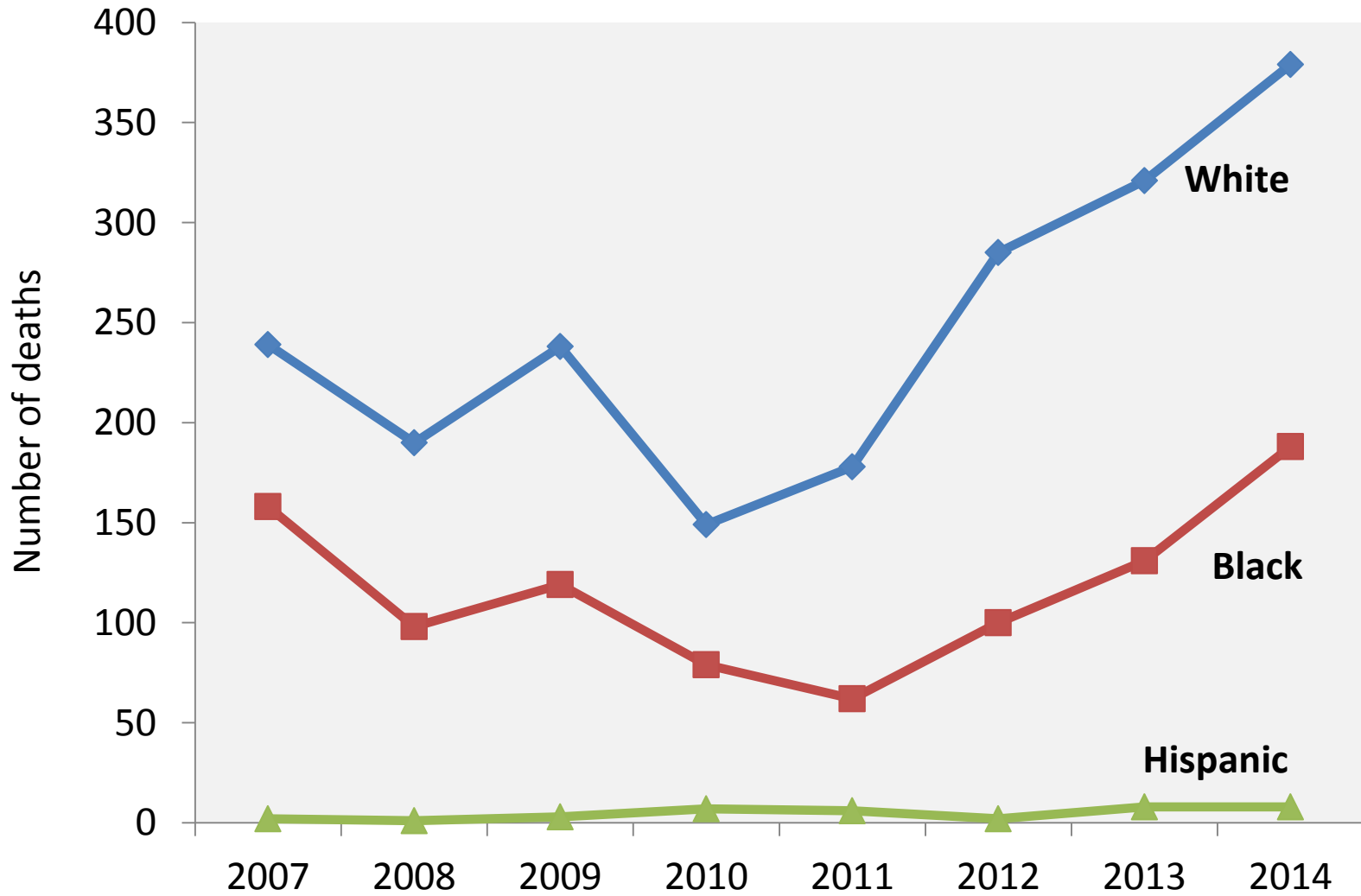
Number of Heroin-Related Deaths by County of Occurrence, 2014.



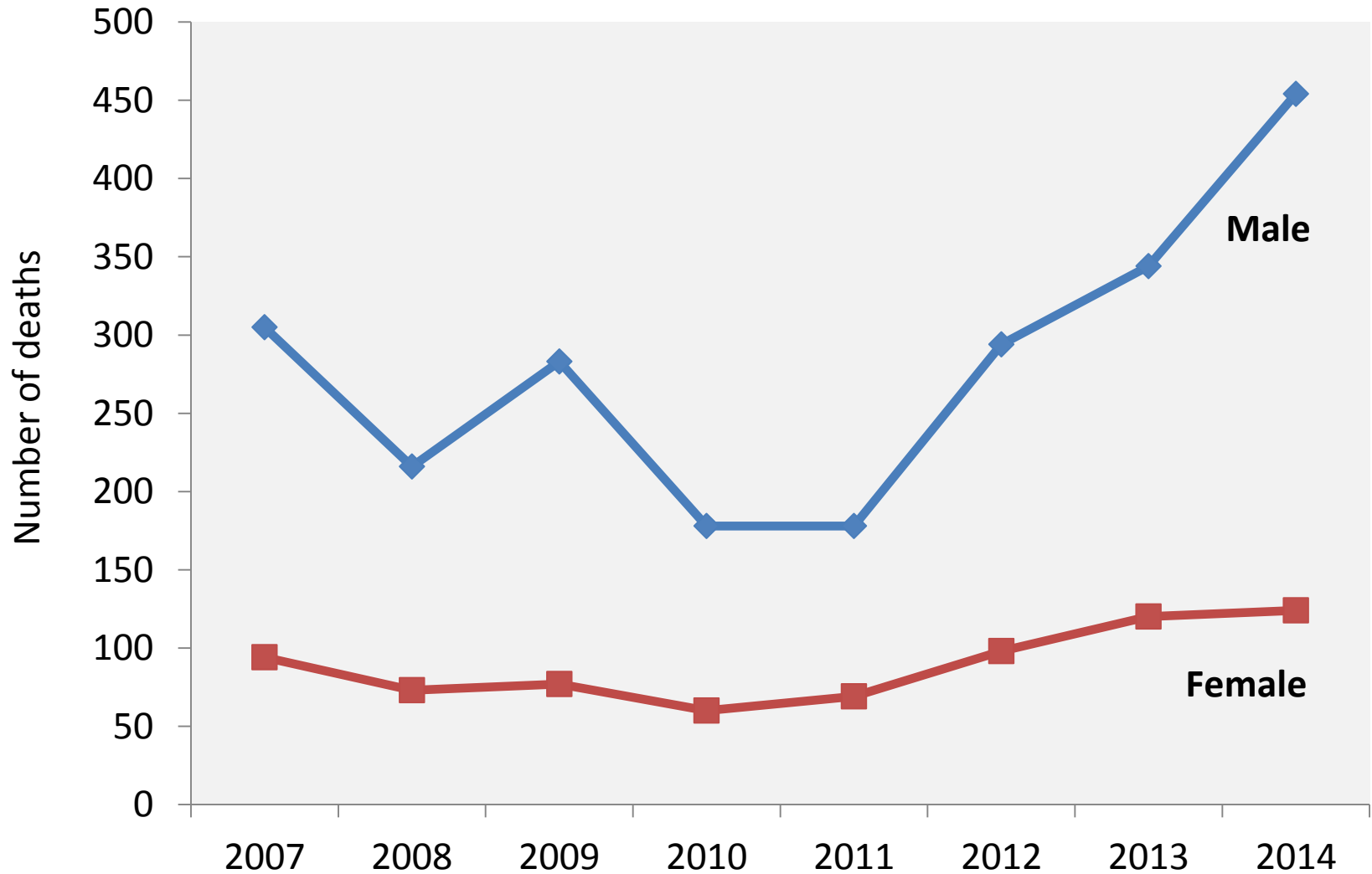
Heroin-Related Deaths by Age Group



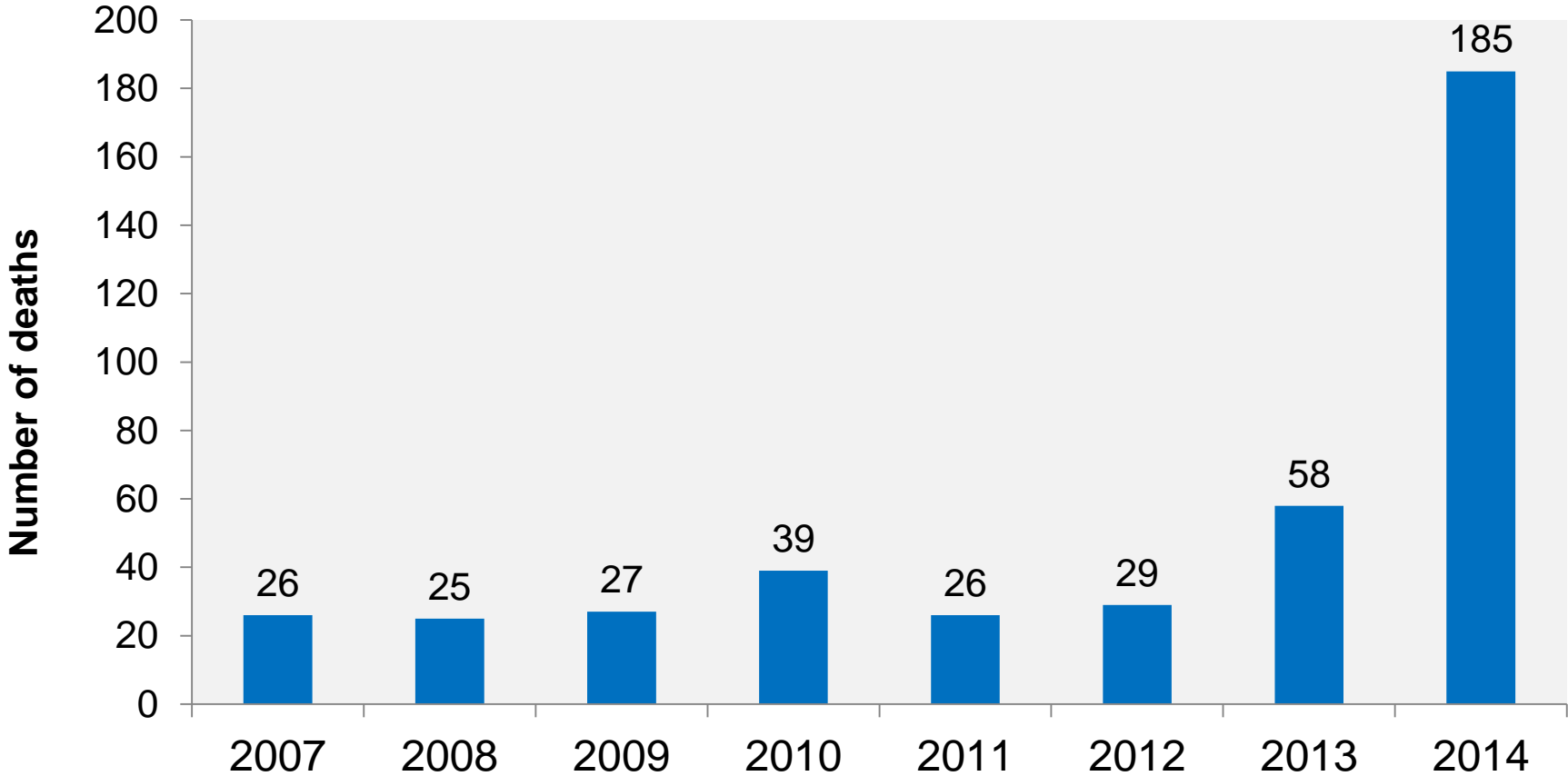
Heroin-Related Deaths by Race/Ethnicity



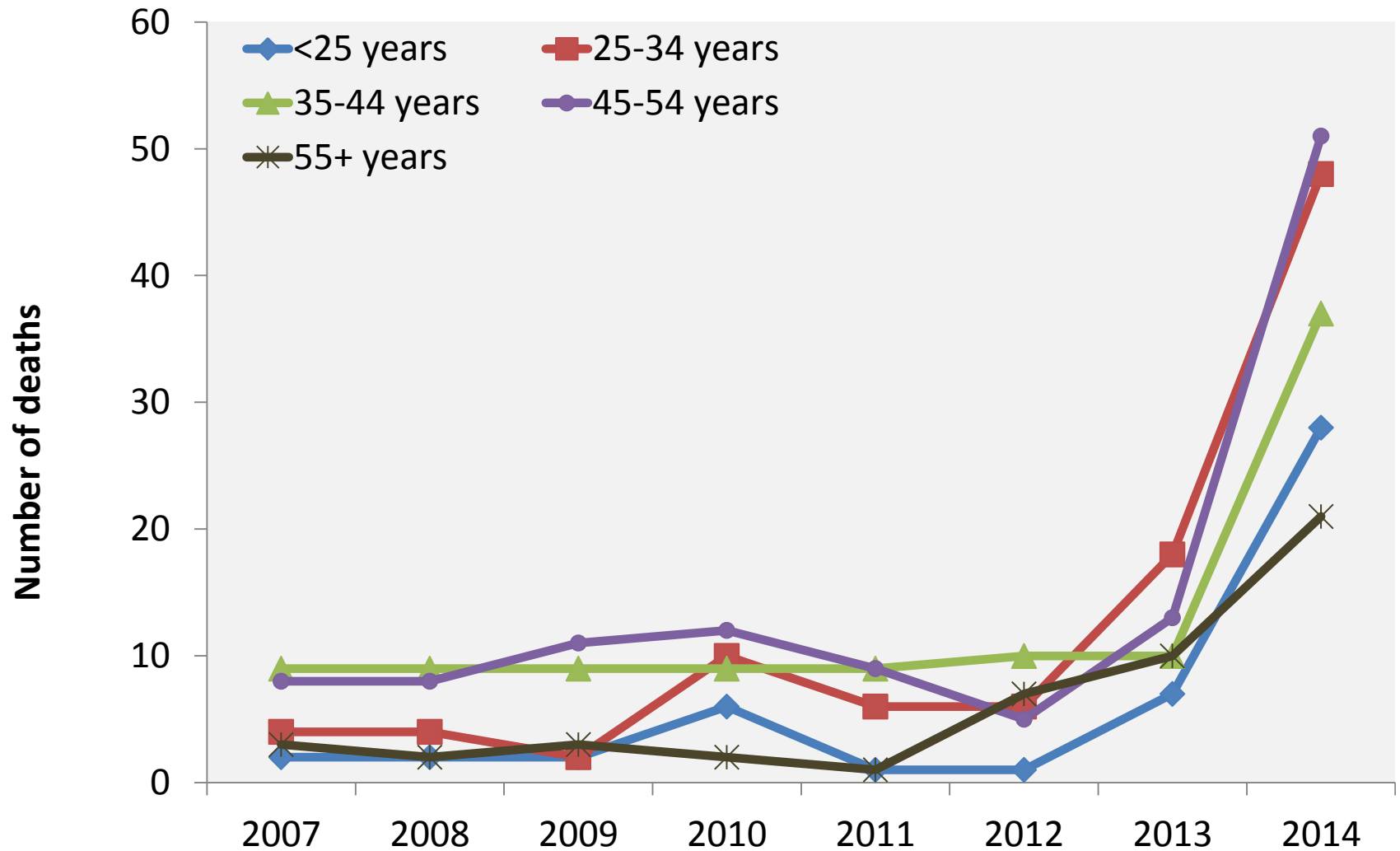
Heroin-Related Deaths by Gender



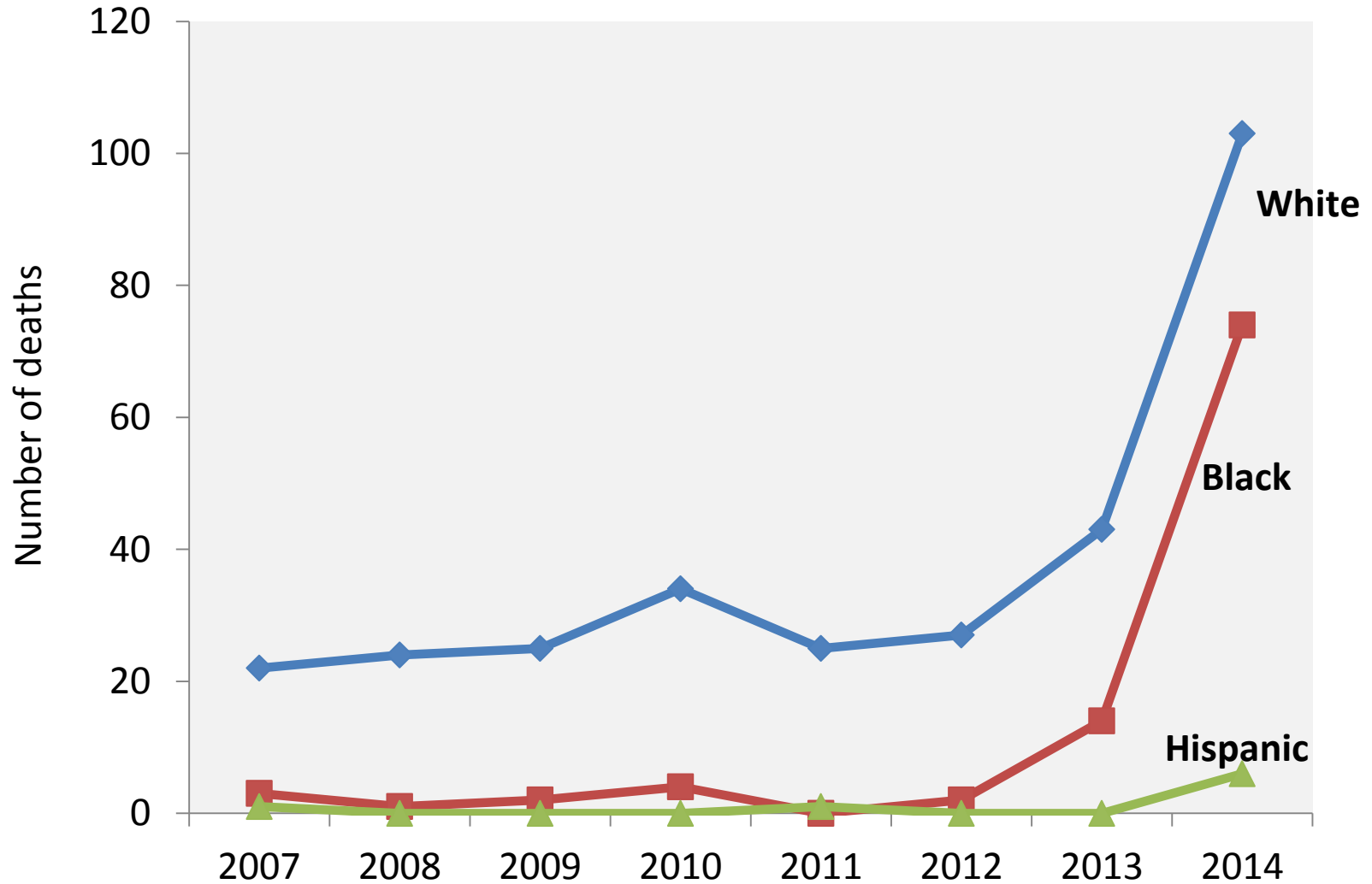
FENTANYL-RELATED DEATHS



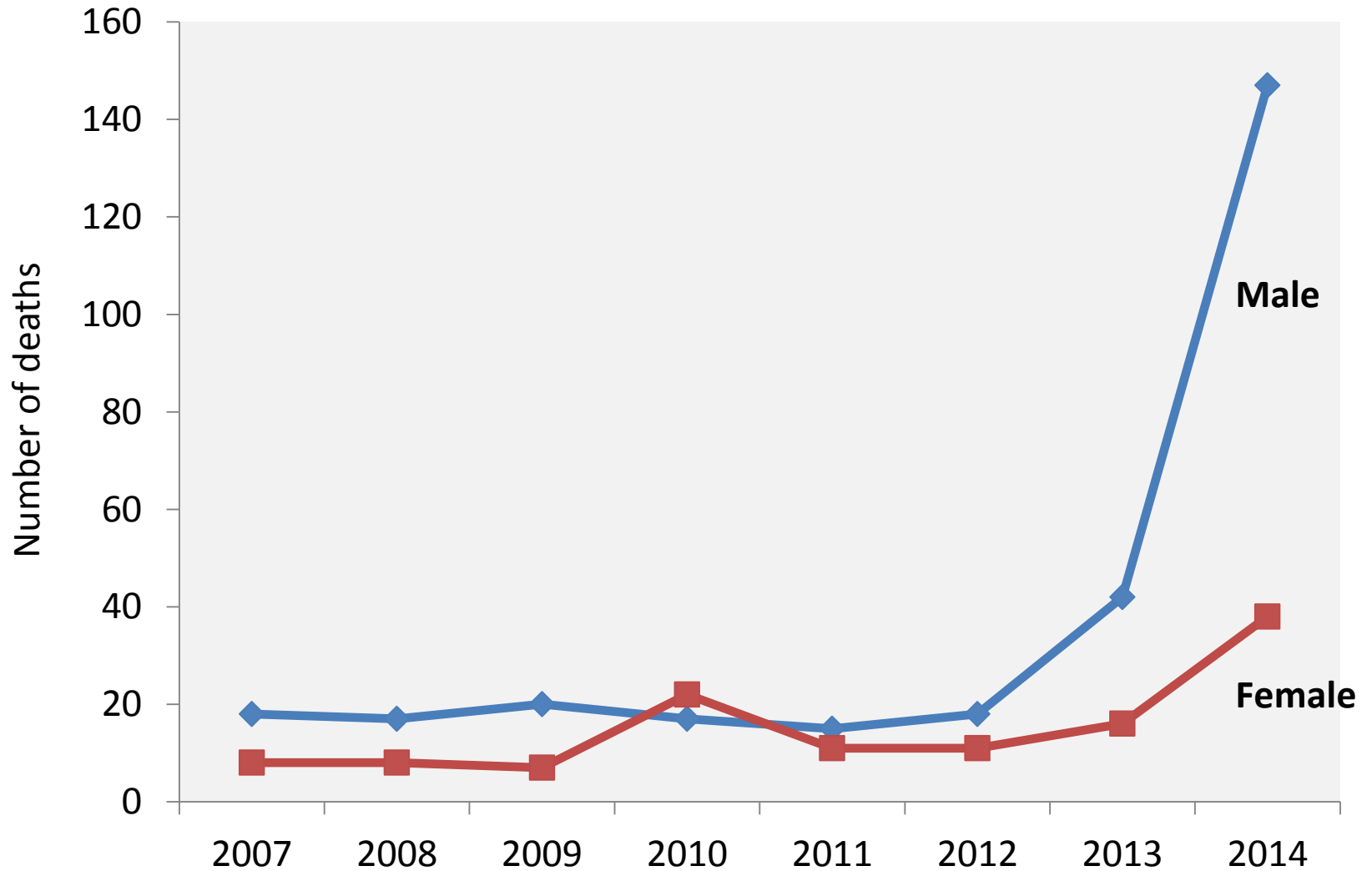
Fentanyl-Related Deaths by Age Group



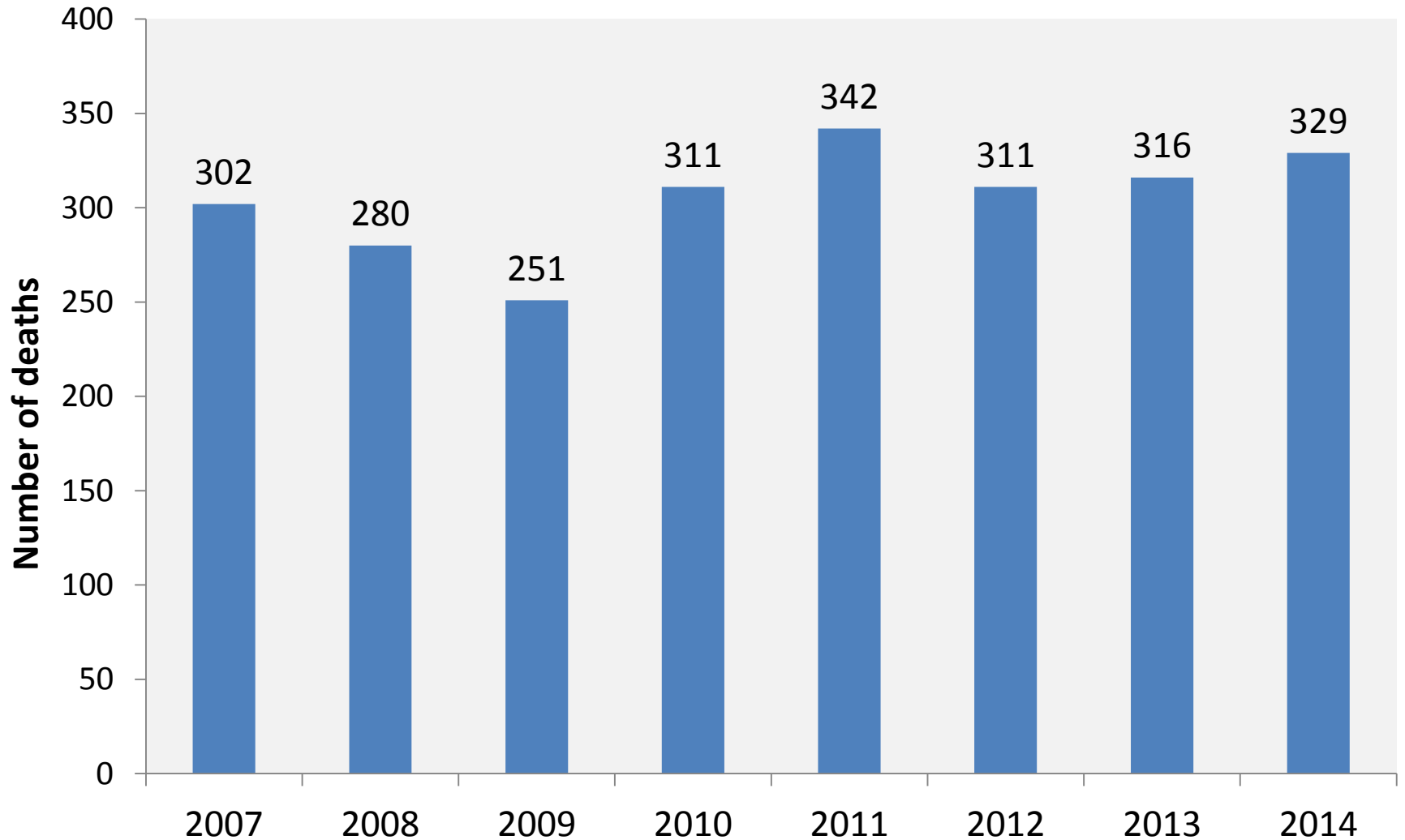
Fentanyl-Related Deaths by Race/Ethnicity



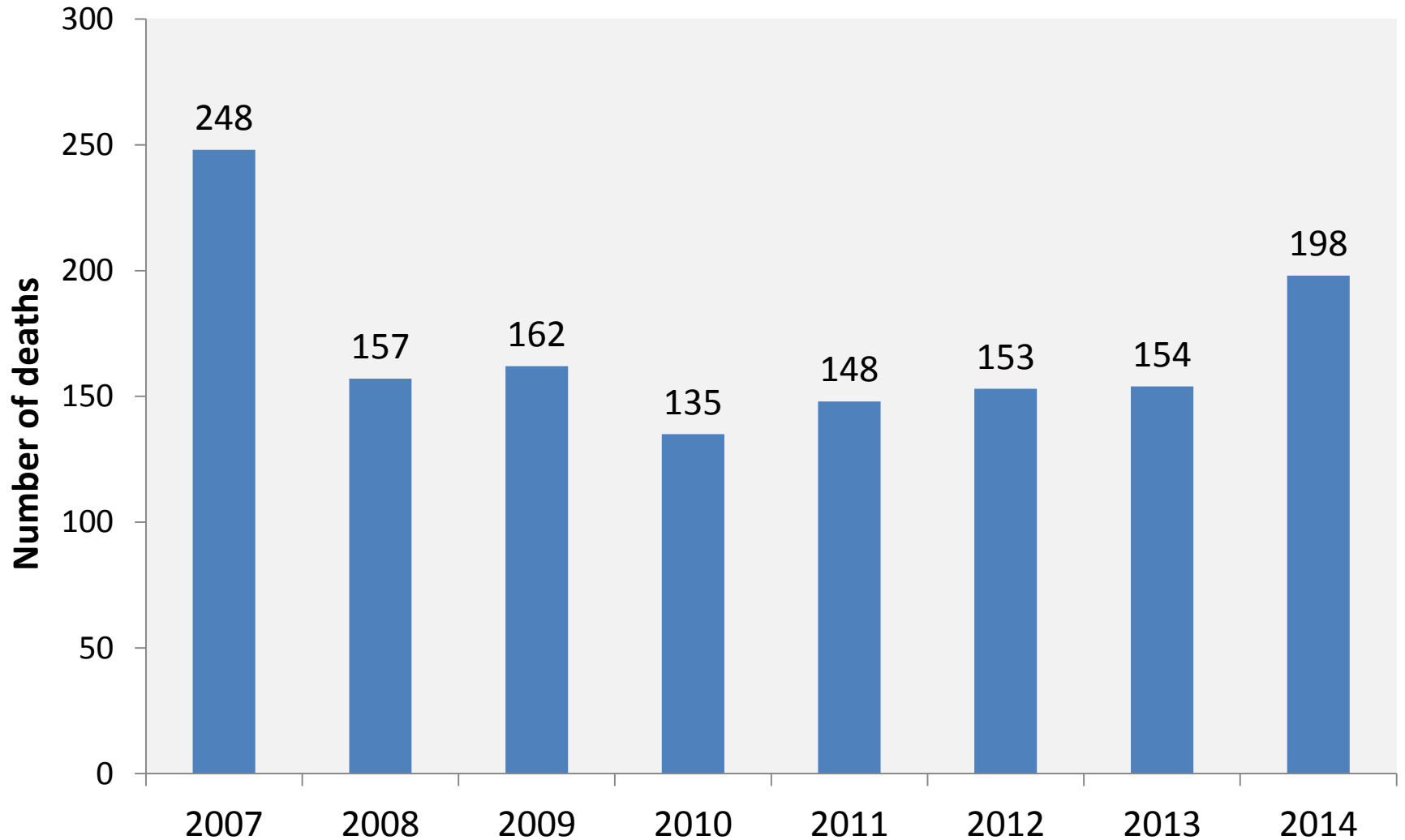
Fentanyl-Related Deaths by Gender



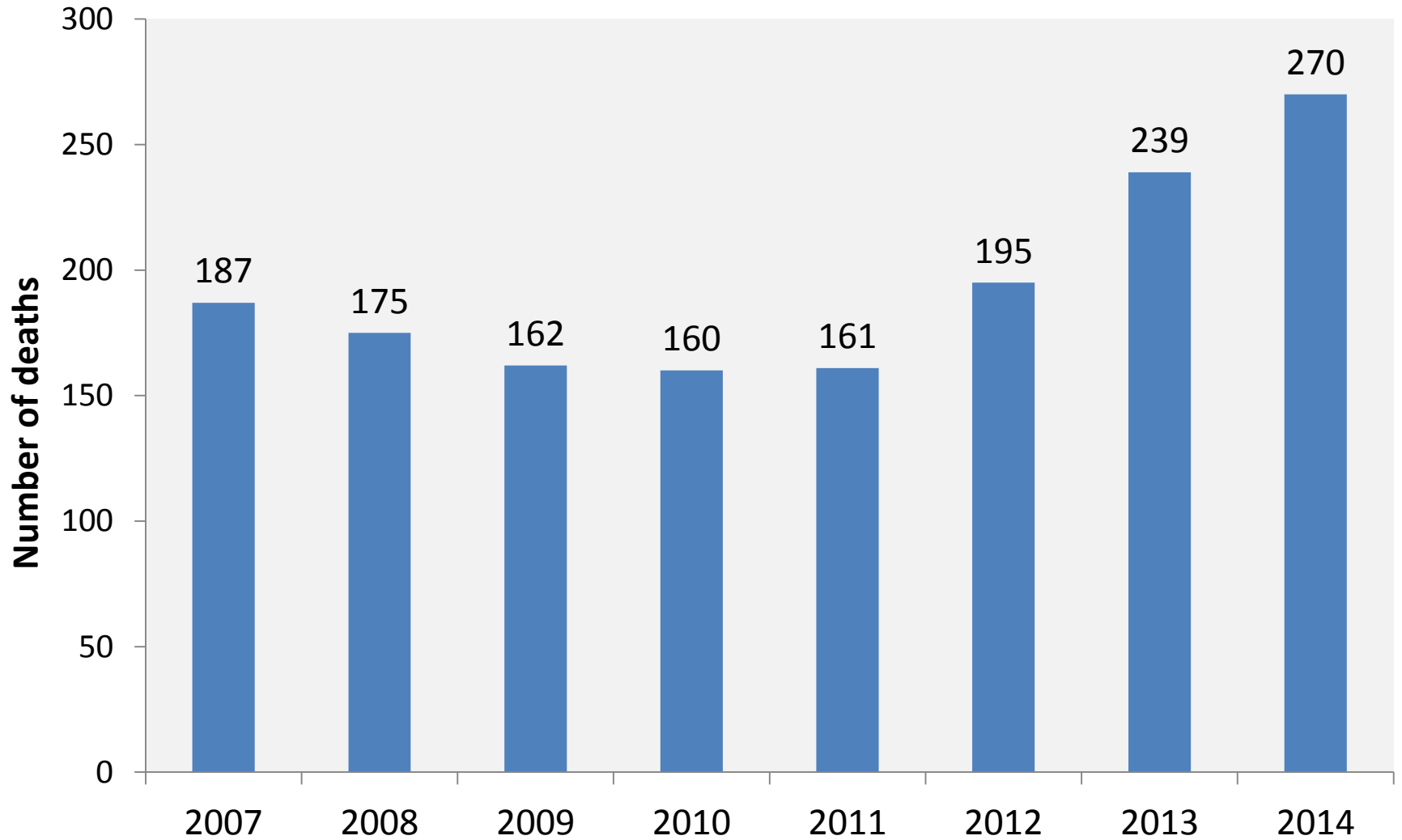
Number of Prescription Opioid-Related Deaths



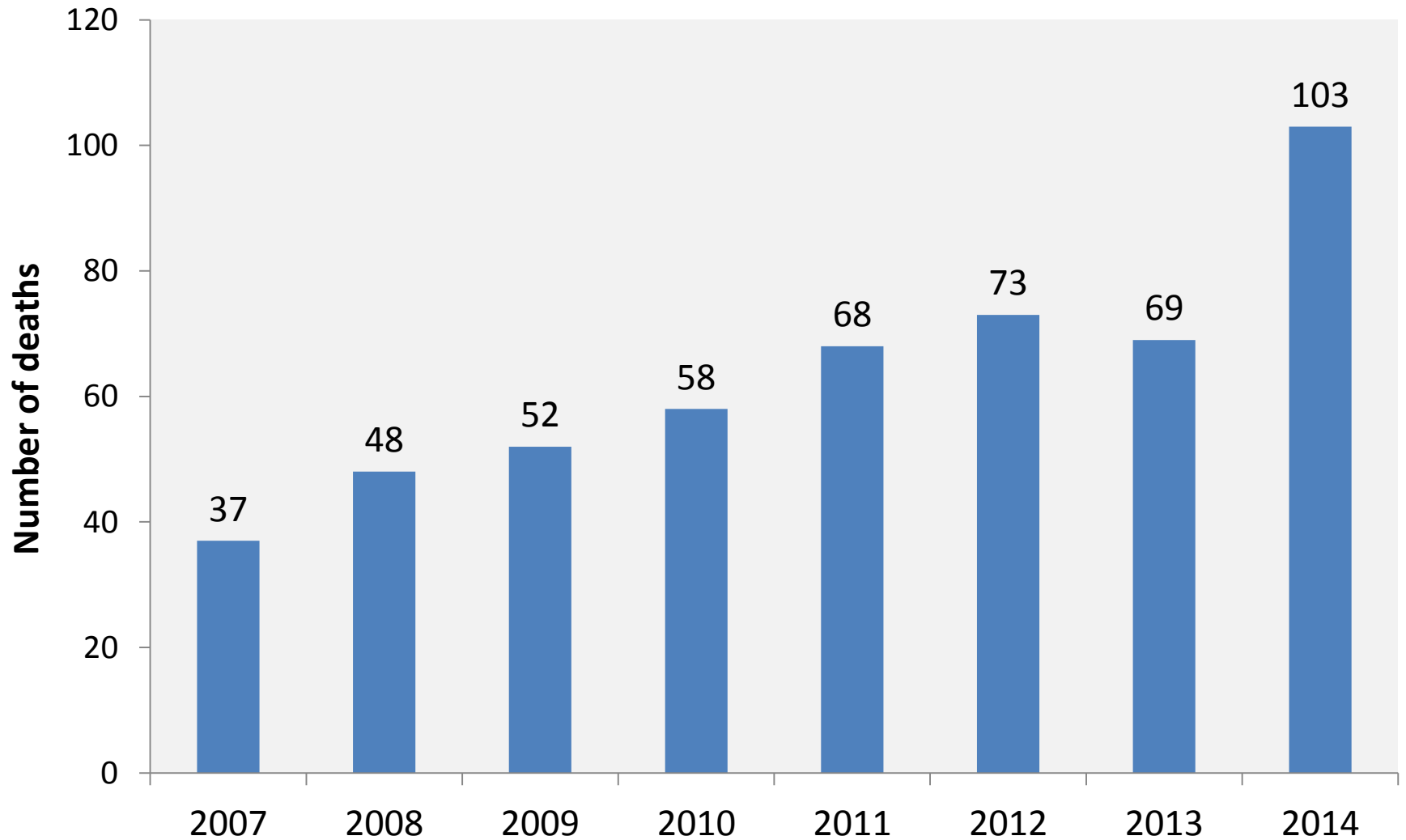
Number of Cocaine-Related Deaths



Number of Alcohol-Related Deaths



Number of Benzodiazepine-Related Deaths



Percentage of Deaths Related to Selected Substances that Occurred in Combination with Heroin, 2014

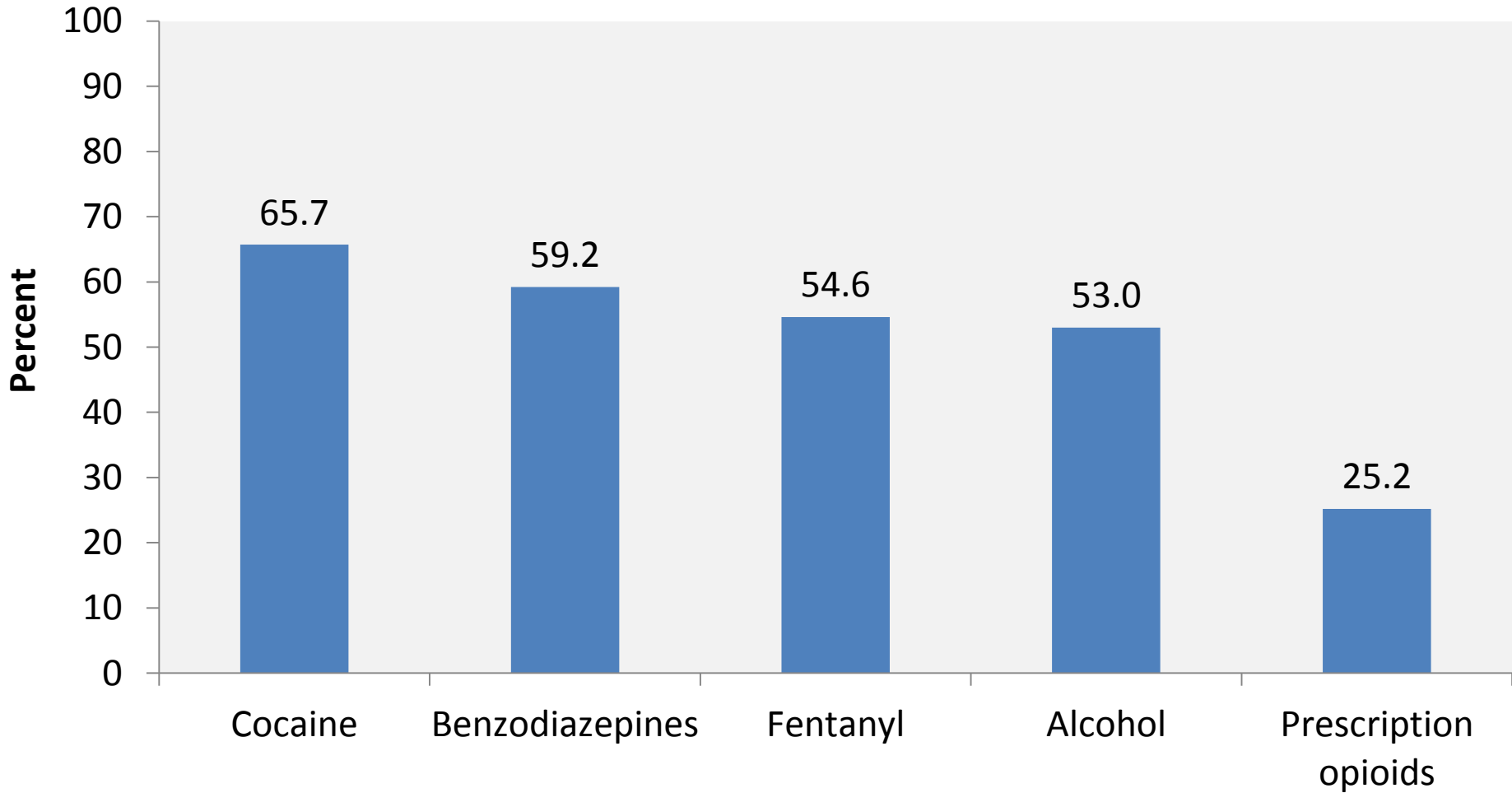
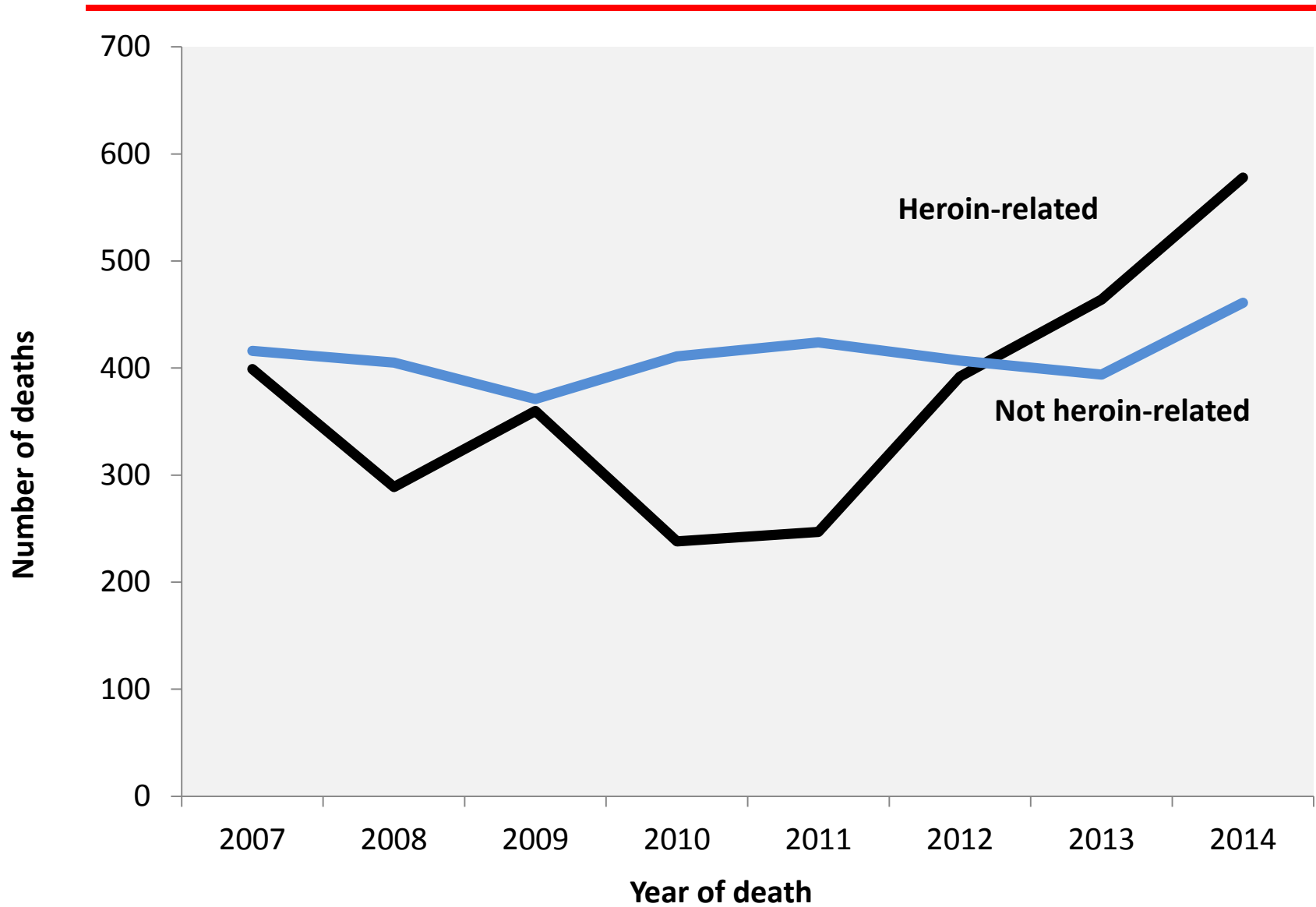
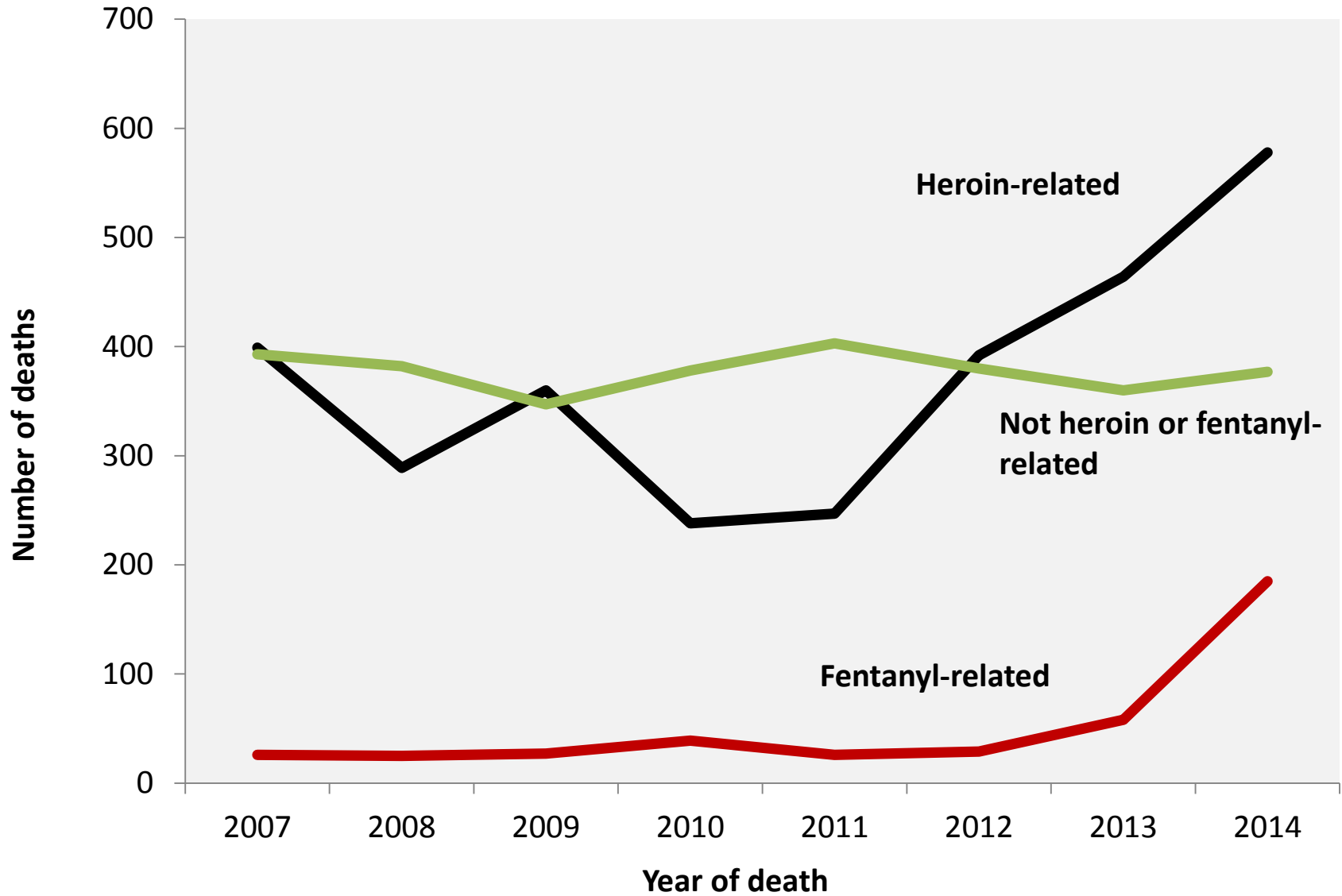
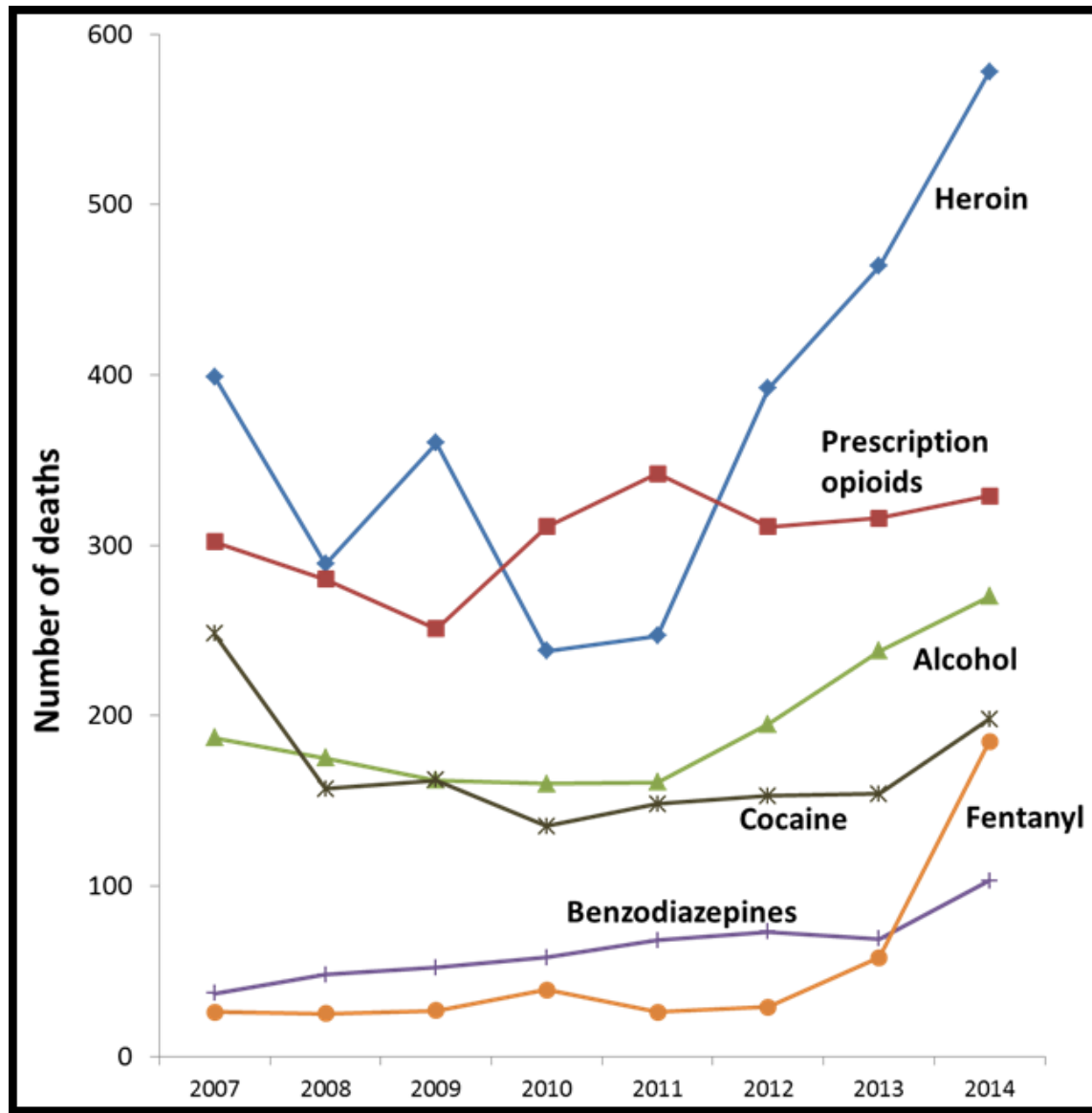


Figure 32. Number of Drug- and Alcohol-Related Intoxication Deaths Involving Heroin



Number of Drug- and Alcohol-Related Intoxication Deaths Involving Heroin or Fentanyl





Additional Data Sources

Additional data sources

- **DPSCS**—incarceration data
- **DHR**—case participation in CSES, Child Welfare, Adult Services, TCA, TDAP, MA or FSP
- **DJS**—history of services to juveniles
- **DHMH BHA**—substance abuse treatment history
- **DHMH MHA**—mental health treatment history
- **DHMH VSA**—pregnancy-associated deaths

Additional data sources

- **HSCRC/CRISP**—IP, OP, ER visits
- **MIEMSS**—EMS response and transport involving use of naloxone
- **Prescription Drug Monitoring Program**—weekly access figures (providers/prescribers)
- **Maryland State Police**—seized drug materials tested and identified
- **211 calls**—phone calls related to substance abuse
- **Maryland Poison Center**—bystander naloxone calls