

# Heroin & Opioid Crisis

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# Heroin and Opioid Overdose Summary

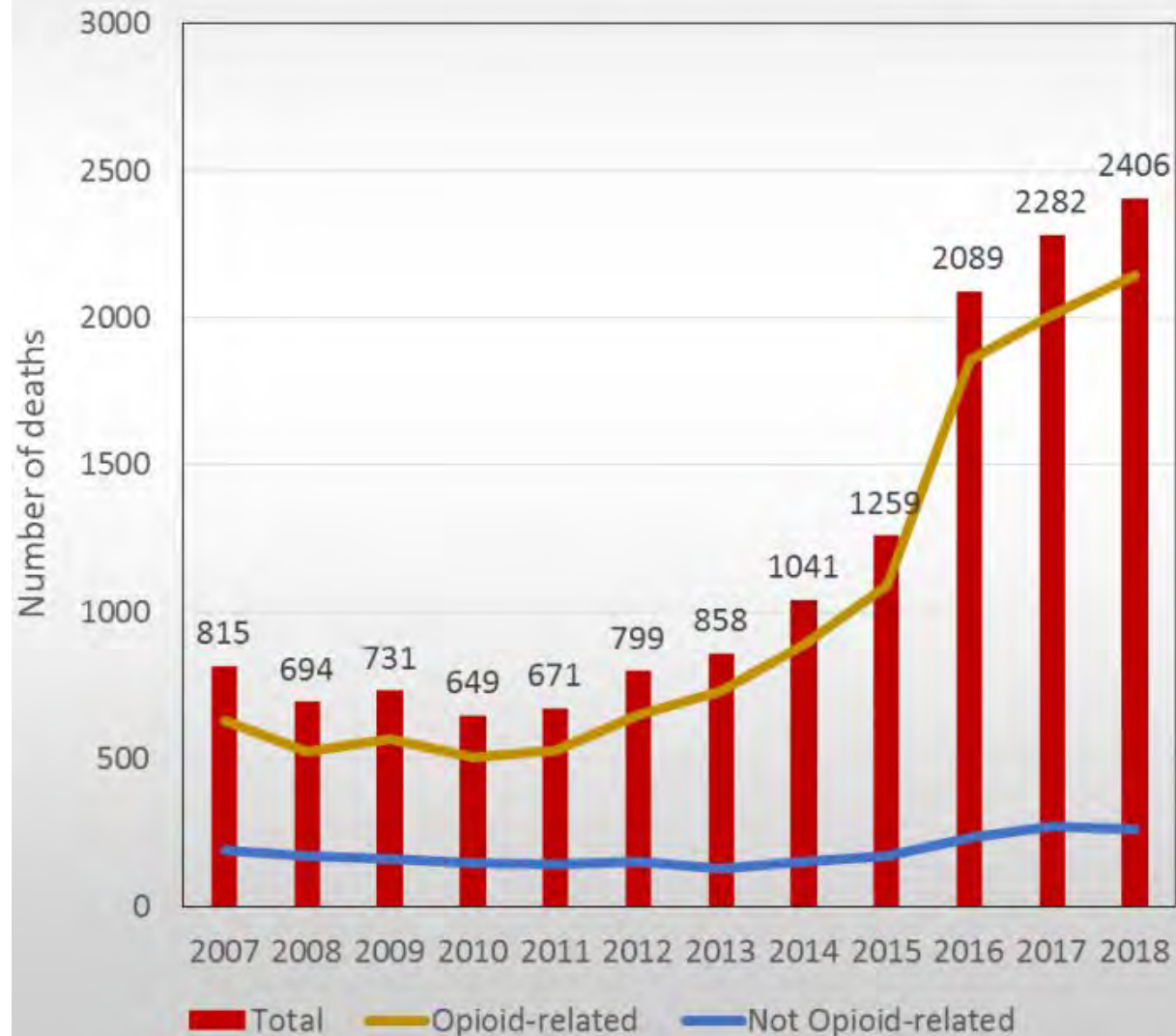
- Unintentional intoxication deaths in 2018 increased by 4.5 percent to a total of 2,385
- Opioids accounted for 88.6% of all unintentional intoxication deaths in Maryland in  
---- 2018.

# Summary, continued

- Opioid-related deaths in 2018 increased by 5.2% as compared to 2017.
- This rate of increase is significantly lower than the 8.2% rate of increase in 2017 and dramatically lower than the 70.4% rate increase in 2016.
- Fentanyl accounted for 88.3% of all opioid related fatalities in 2018 versus only 8% in 2013

**What Does the Data Show?**

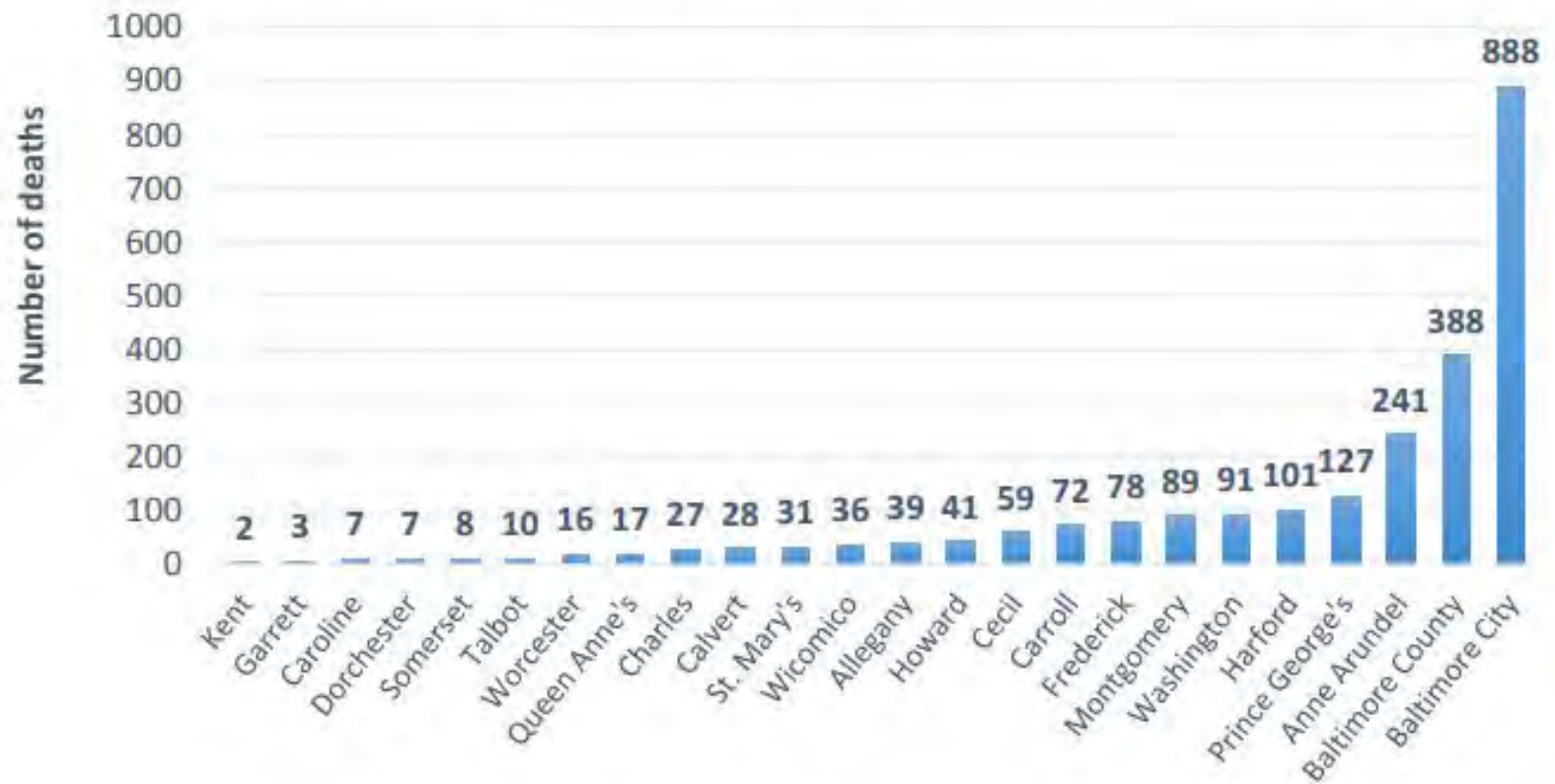
# Unintentional Drug- and Alcohol-Related Intoxication Deaths in Maryland, 2018



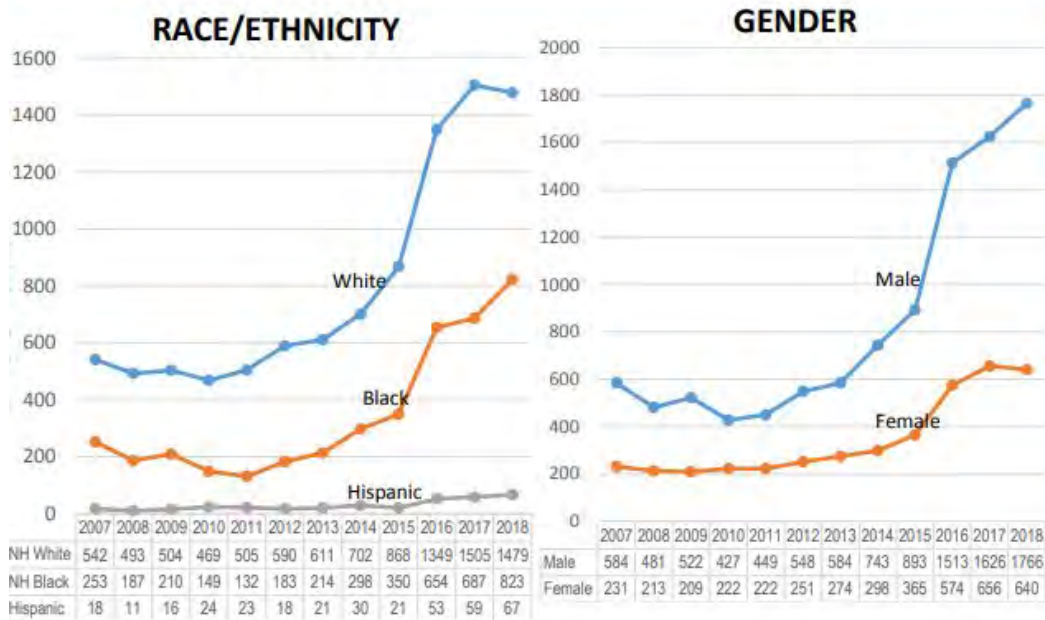
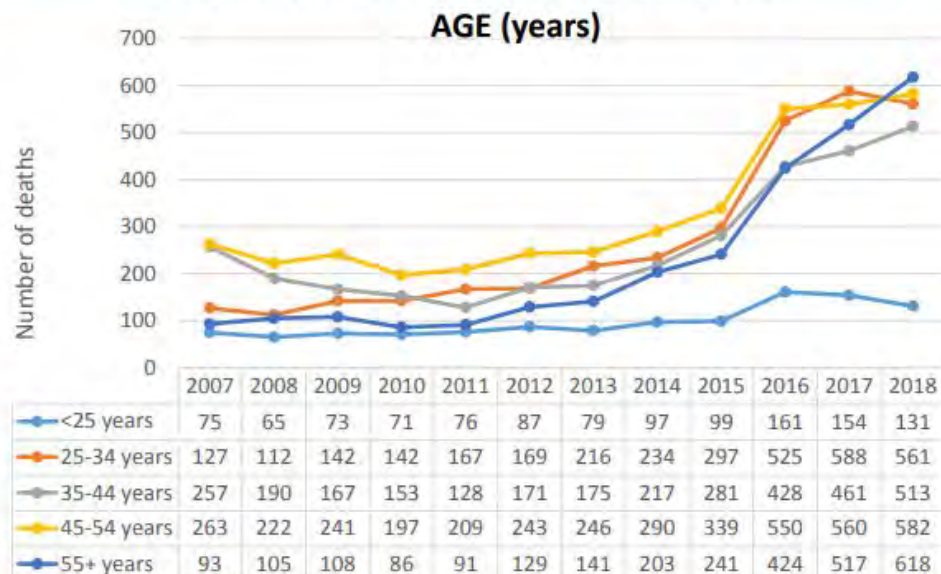
**Figure 1. Total Number of Drug- and Alcohol-Related Intoxication Deaths Occurring in Maryland, 2007-2018.**



Figure 2. Total Number of Intoxication Deaths Occurring in Maryland by Place of Occurrence, 2018.

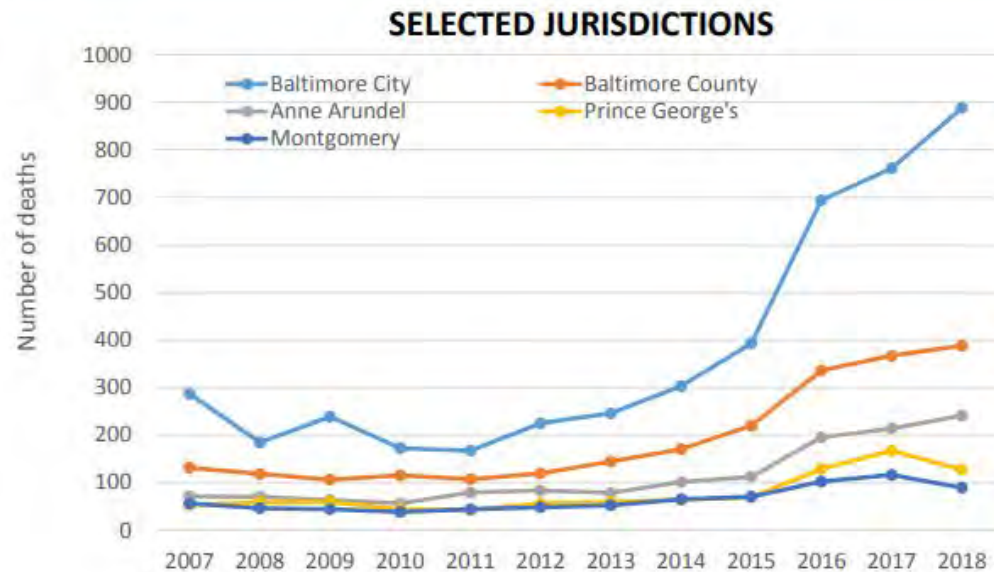
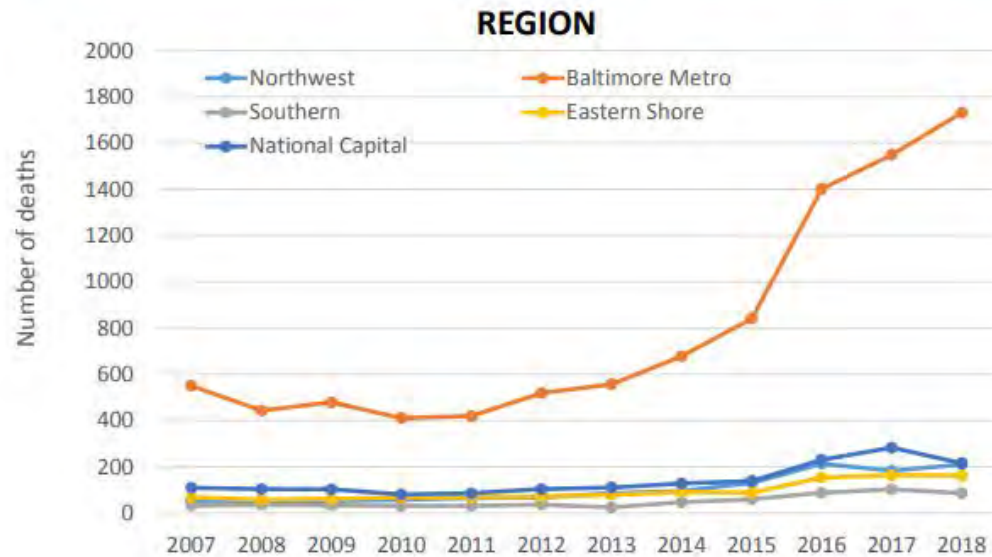


**Figure 3. Total Number of Drug- and Alcohol-Related Intoxication Deaths Occurring in Maryland by Age Group, Race/Ethnicity and Gender, 2007-2018.**

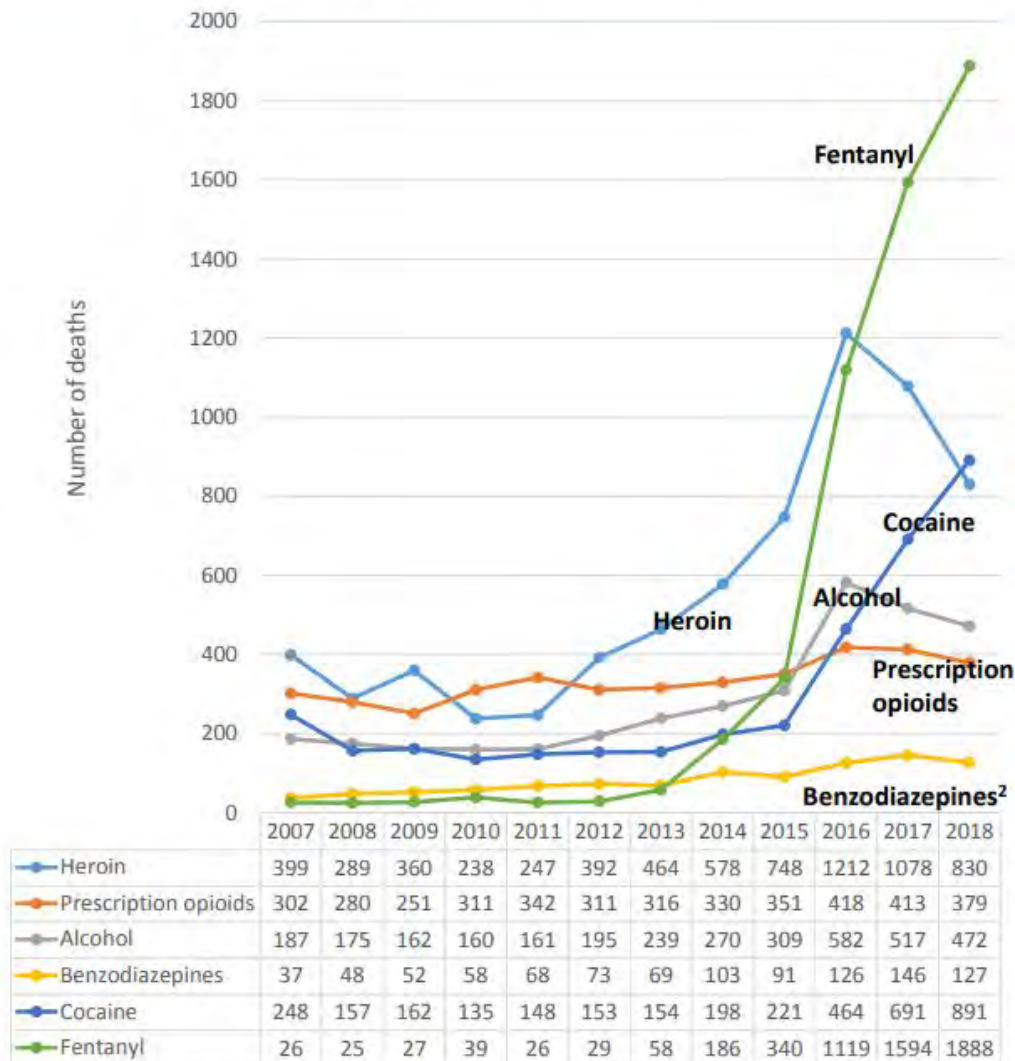




**Figure 4. Total Number of Drug- and Alcohol-Related Intoxication Deaths by Place of Occurrence, Maryland, 2007-2018.**



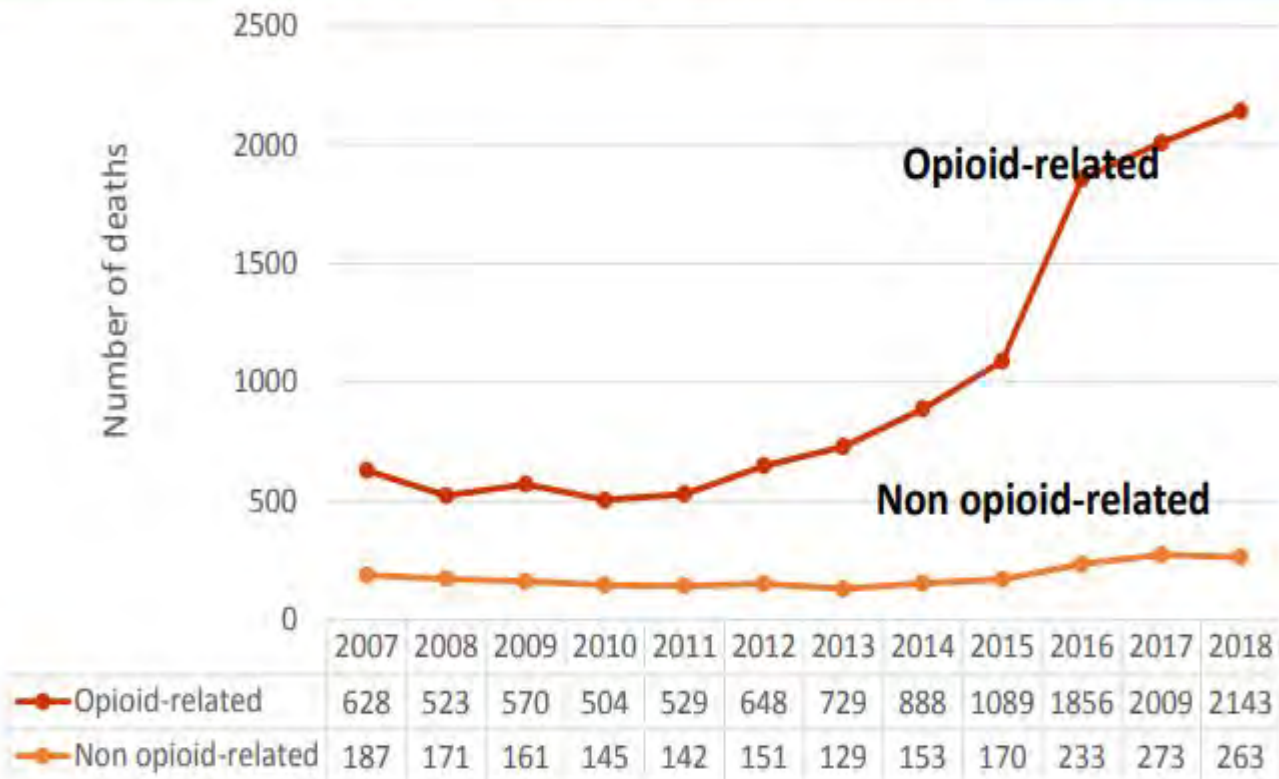
**Figure 5. Total Number of Drug- and Alcohol-Related Intoxication Deaths by Selected Substances<sup>1</sup>, Maryland, 2007-2018.**



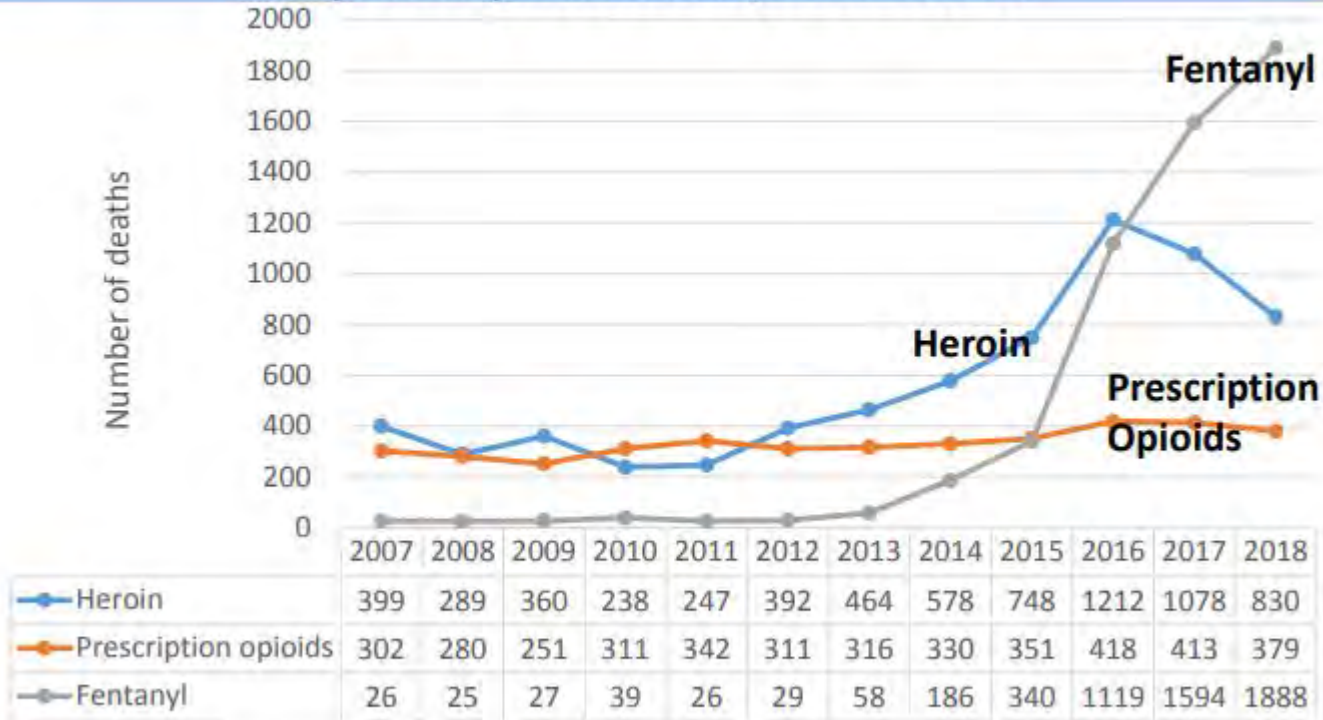
<sup>1</sup>Since an intoxication death may involve more than one substance, counts of deaths related to specific substances do not sum to the total number of deaths.

<sup>2</sup>Includes deaths caused by benzodiazepines and related drugs with similar sedative effects.

Figure 6. Total Number of Opioid\* and Non-Opioid-Related Deaths Occurring in Maryland, 2007-2018.

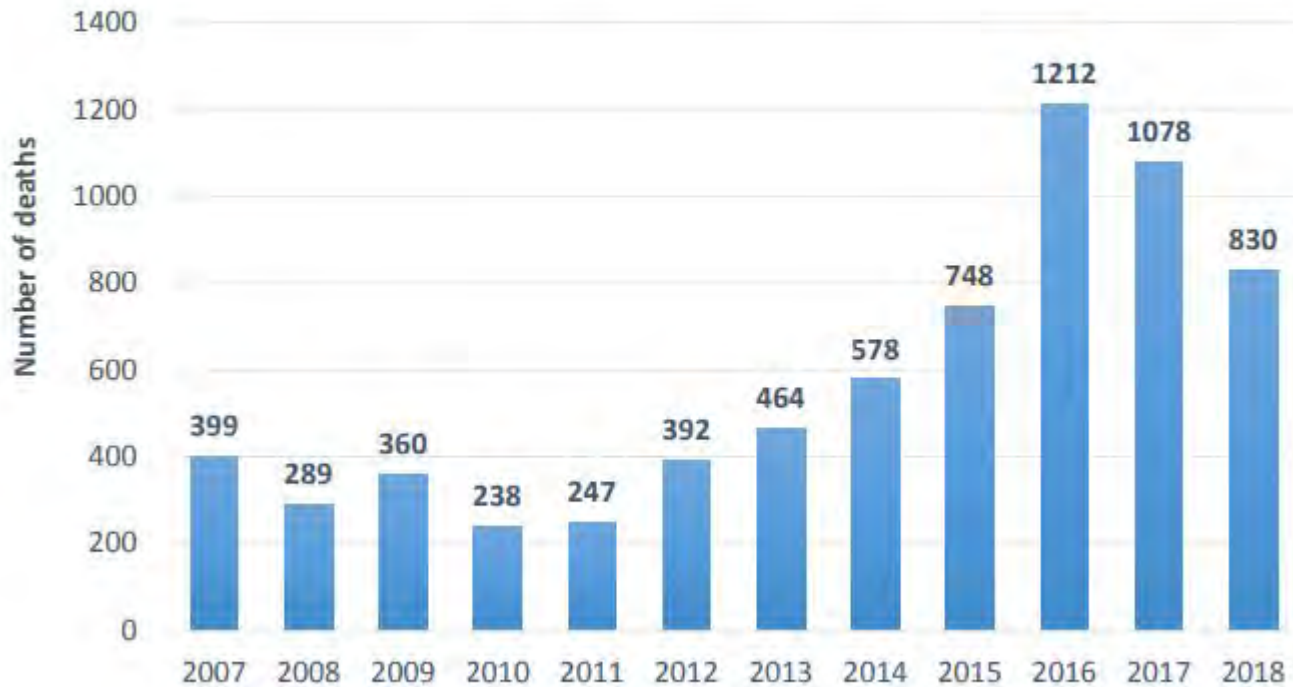


**Figure 7. Number of Opioid-Related Deaths Occurring in Maryland by Substance, 2007-2018.**

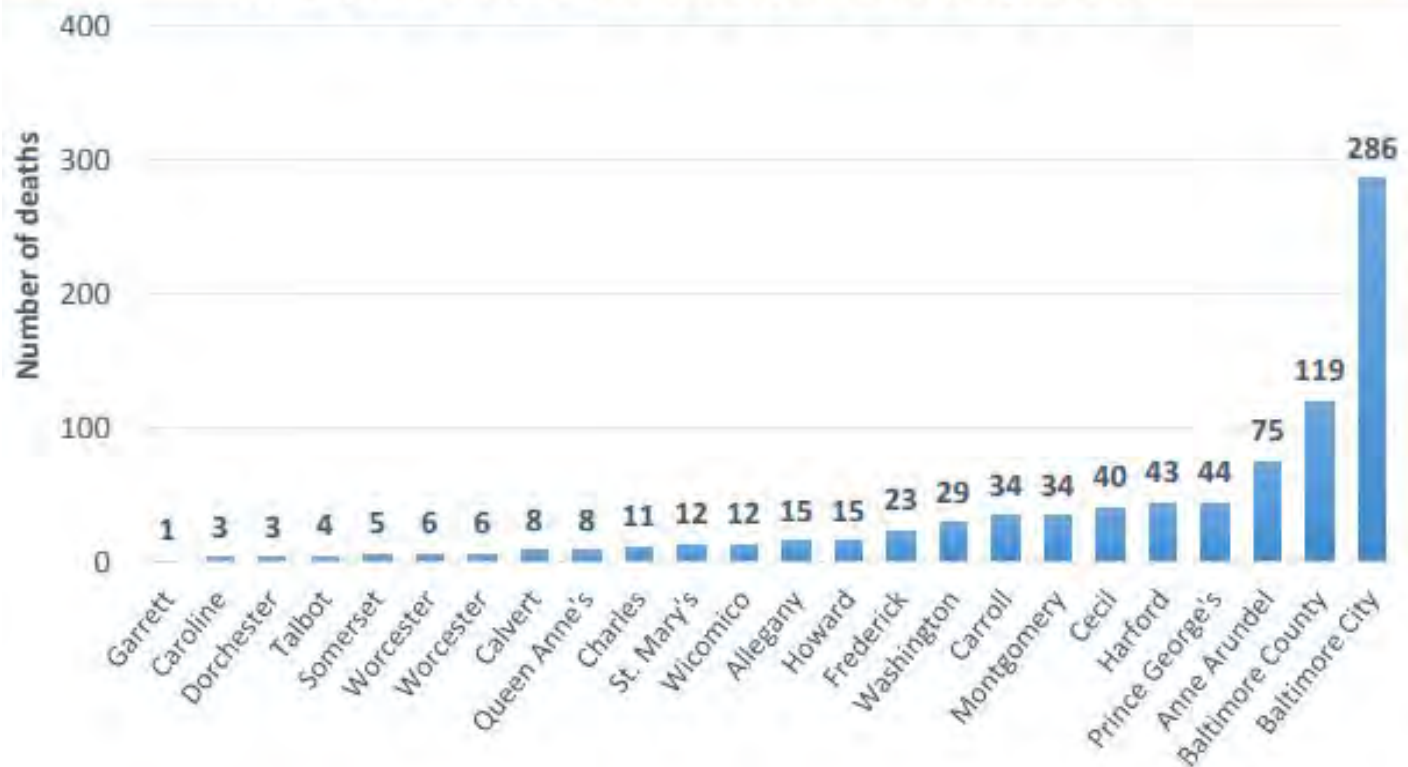


\*Total opioids include heroin, prescription opioids, and illicit forms of fentanyl.

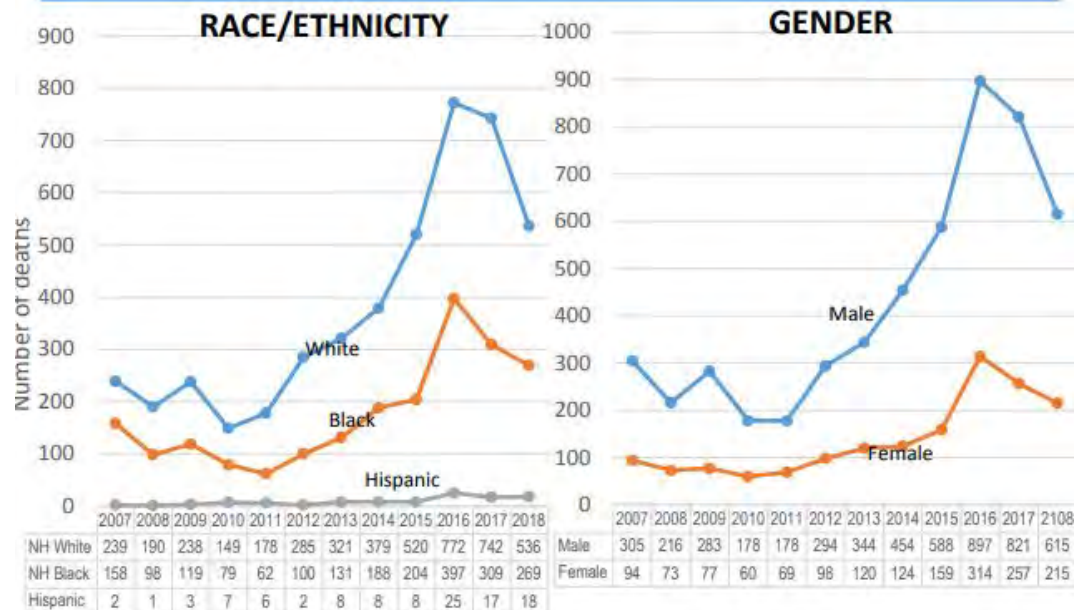
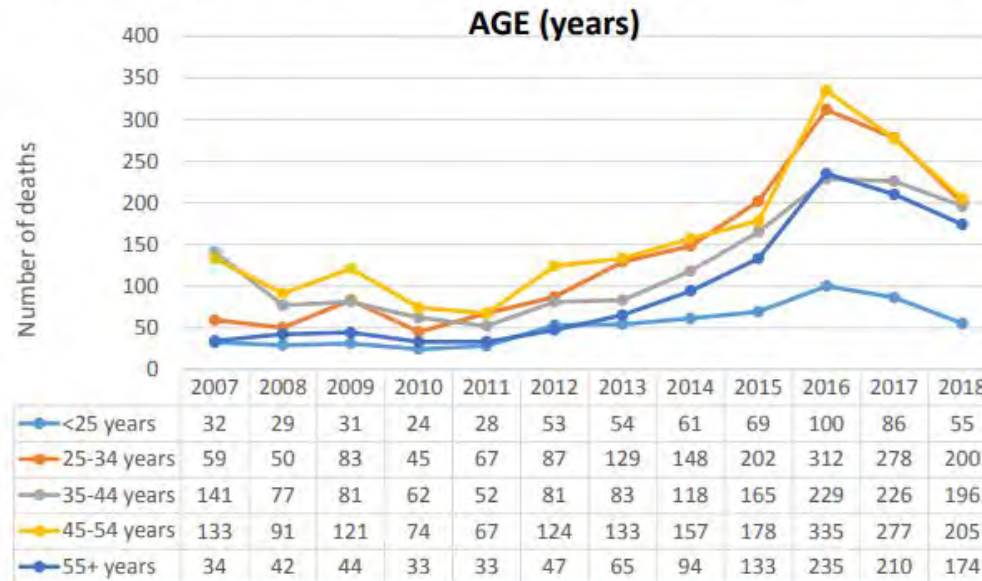
**Figure 8. Number of Heroin-Related Deaths Occurring in Maryland, 2007-2018.**



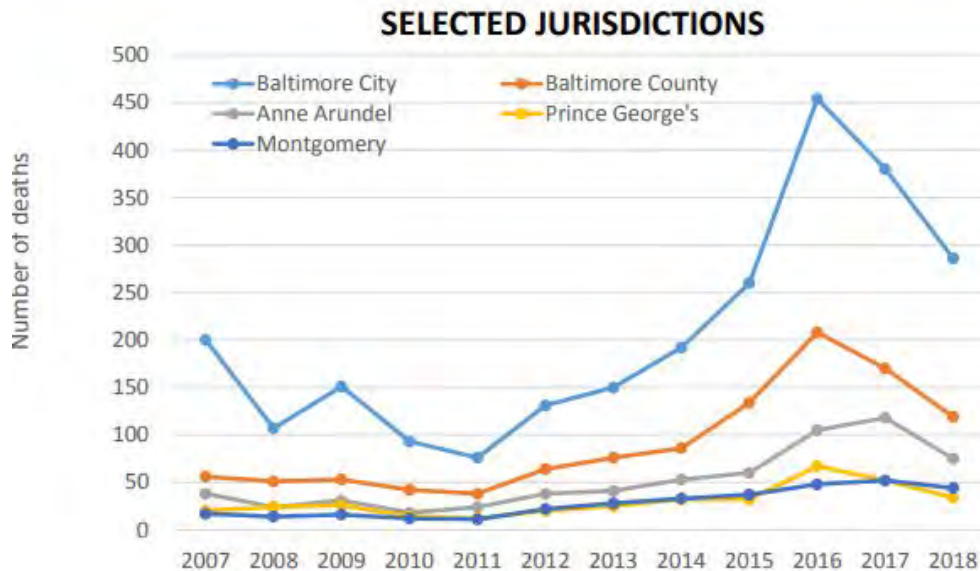
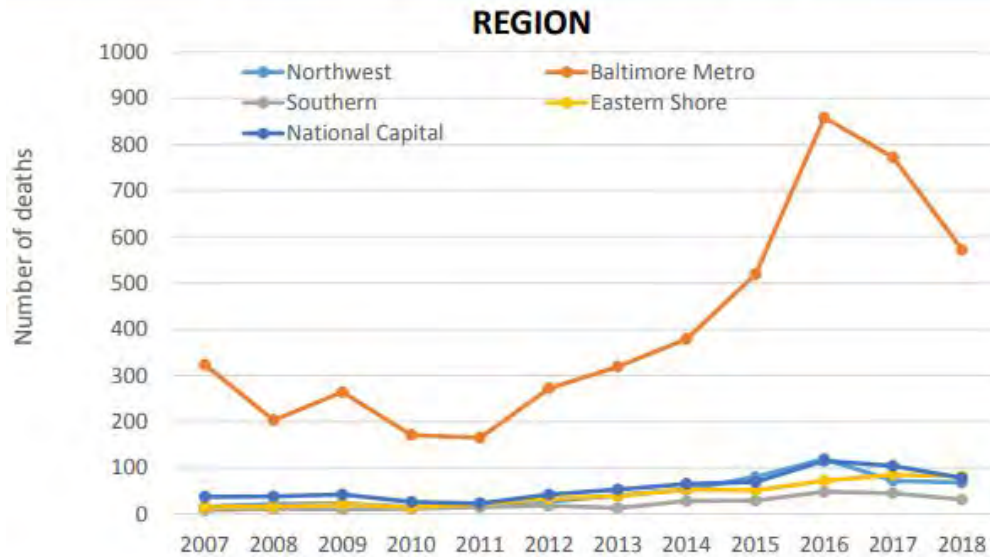
**Figure 9. Number of Heroin-Related Deaths Occurring in Maryland by Place of Occurrence, 2018.**



**Figure 10. Number of Heroin-Related Deaths Occurring in Maryland by Age Group, Race/Ethnicity and Gender, 2007-2018.**

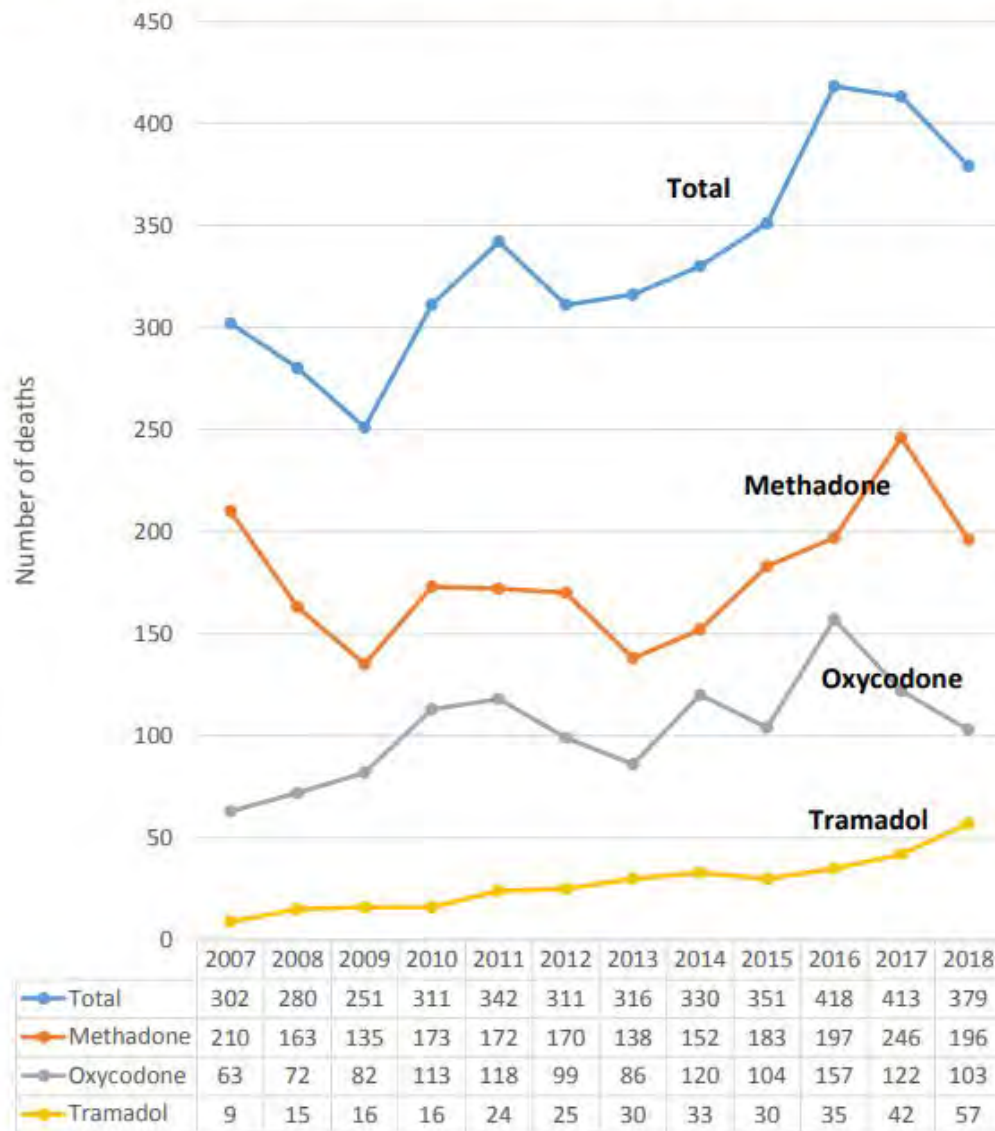


**Figure 11. Number of Heroin-Related Deaths by Place of Occurrence, Maryland, 2007-2018.**

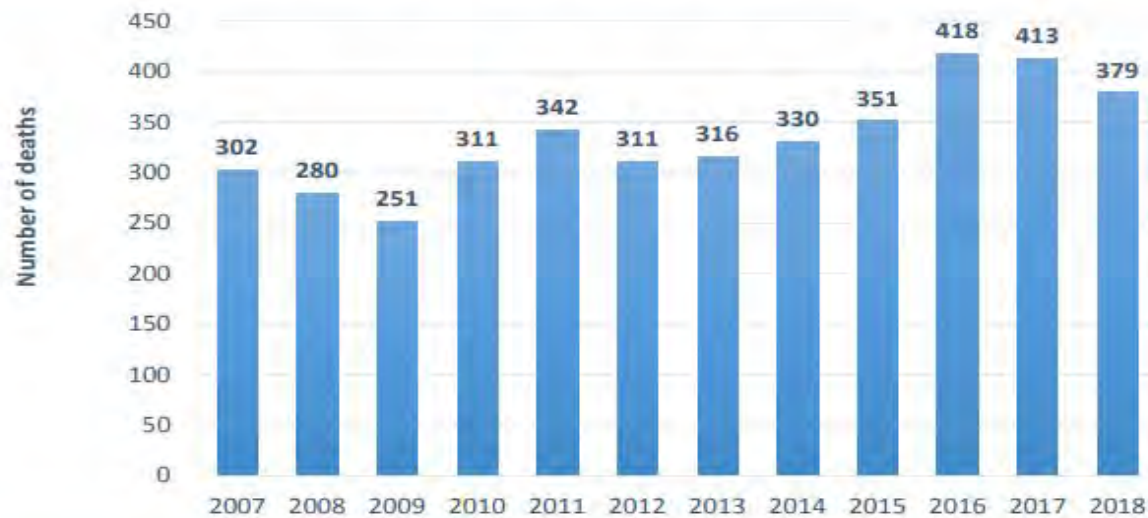




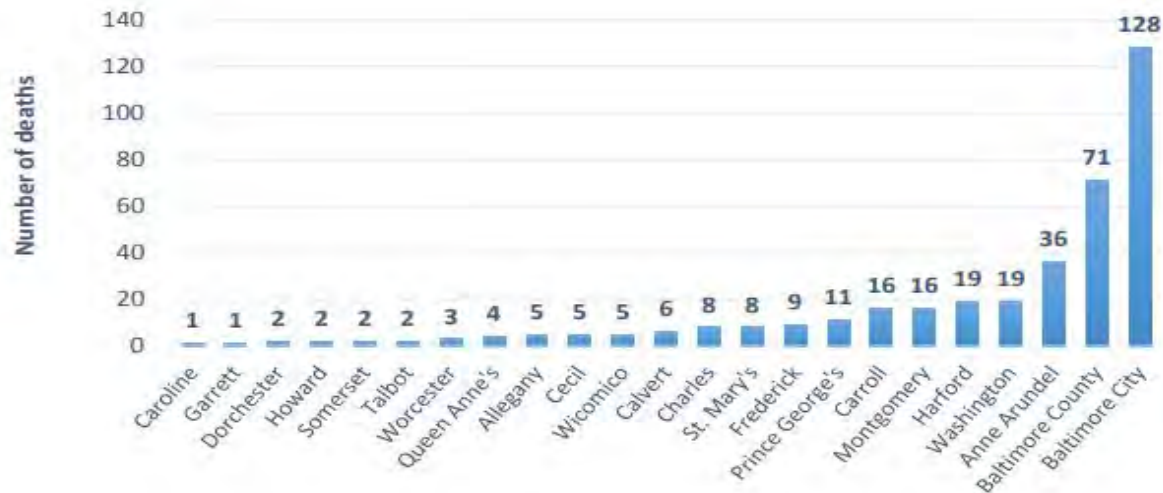
**Figure 12. Number of Deaths Occurring in Maryland by Selected Prescription Opioids, 2007-2018.**



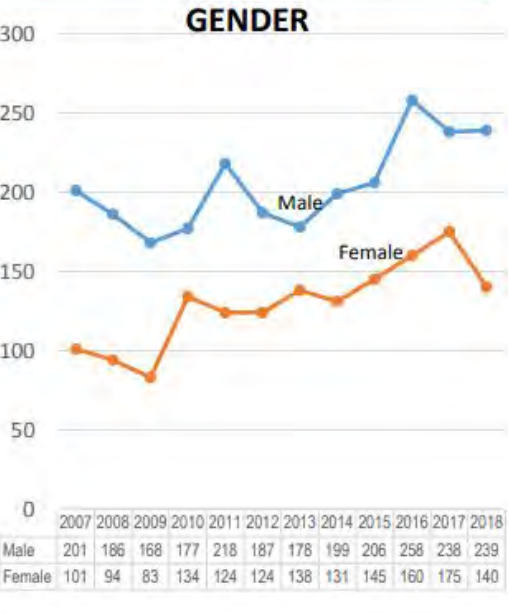
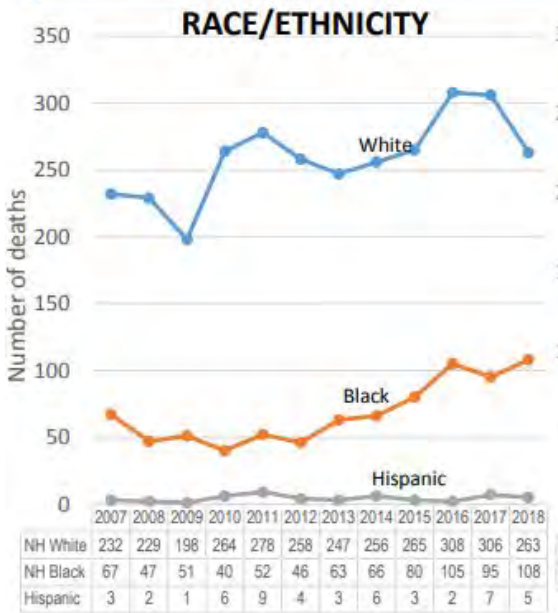
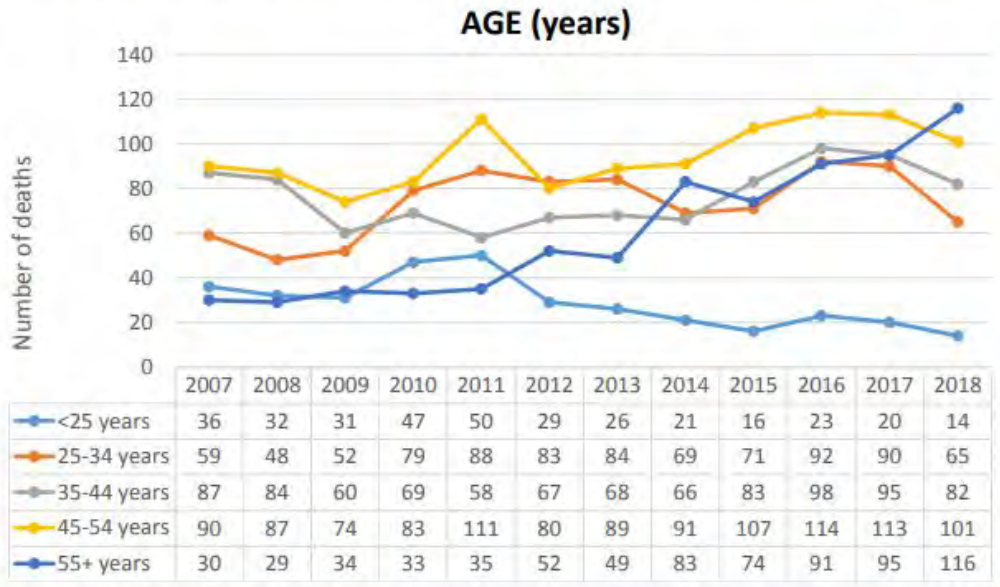
**Figure 13. Number of Prescription Opioid-Related Deaths Occurring in Maryland, 2007-2018.**



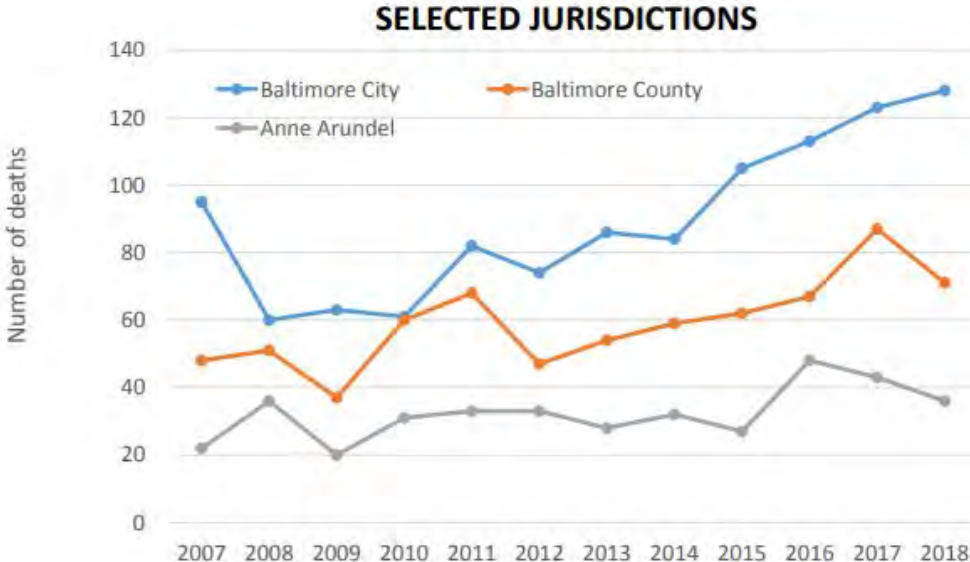
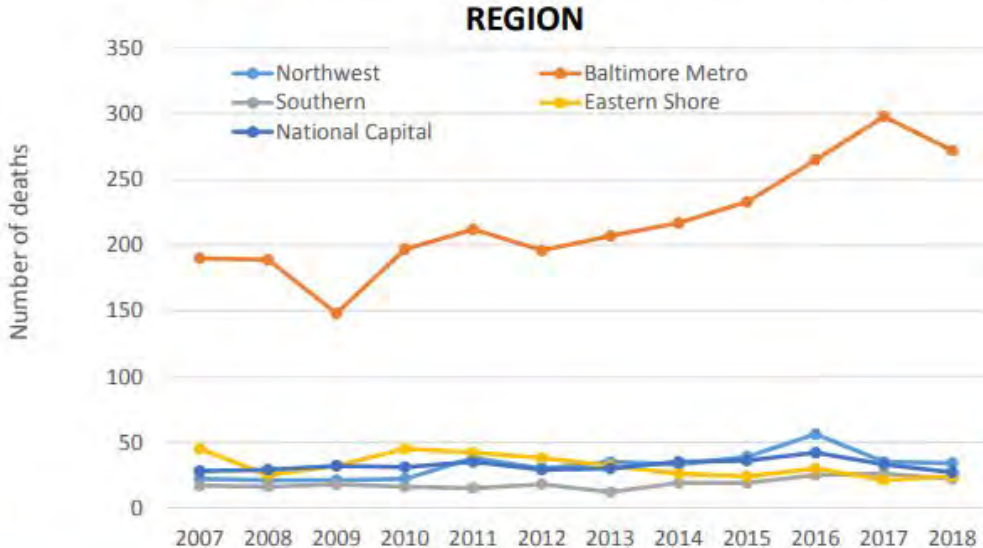
**Figure 14. Number of Prescription Opioid-Related Deaths Occurring in Maryland by Place of Occurrence, 2018.**



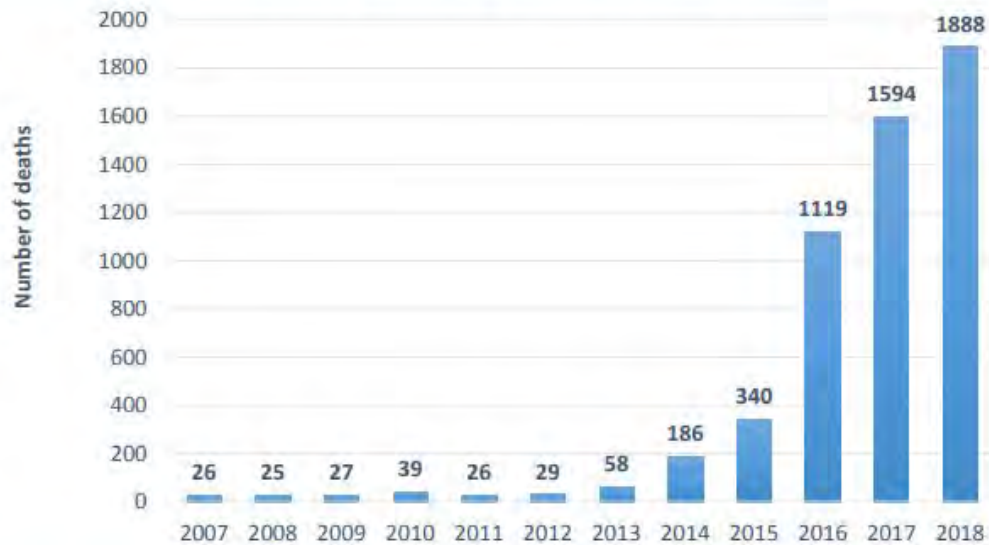
**Figure 15. Number of Prescription Opioid-Related Deaths Occurring in Maryland by Age Group, Race/Ethnicity and Gender, 2007-2018.**



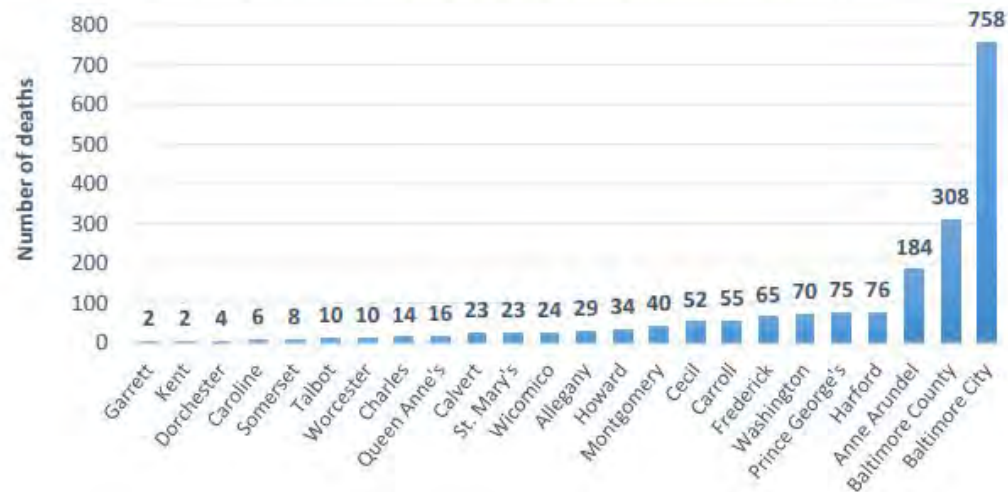
**Figure 16. Number of Prescription Opioid-Related Deaths by Place of Occurrence, Maryland, 2007-2018.**



**Figure 17. Number of Fentanyl-Related Deaths Occurring in Maryland, 2007-2018.**



**Figure 18. Number of Fentanyl-Related Deaths Occurring in Maryland by Place of Occurrence, 2018.**



**Figure 19. Number of Fentanyl-Related Deaths Occurring in Maryland by Age Group, Race/Ethnicity and Gender, 2007-2018.**

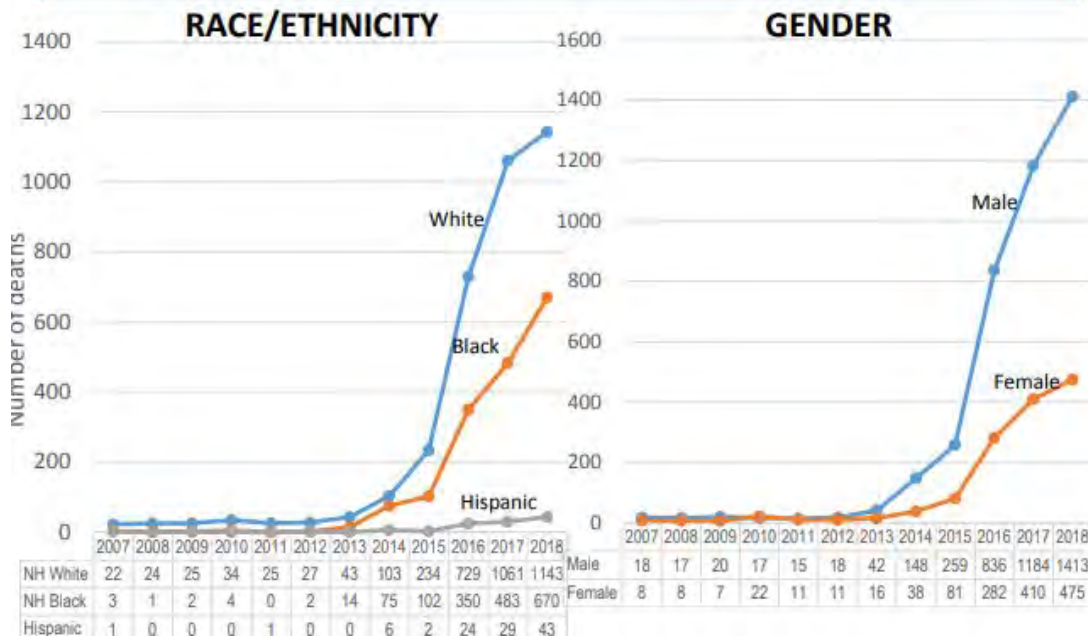
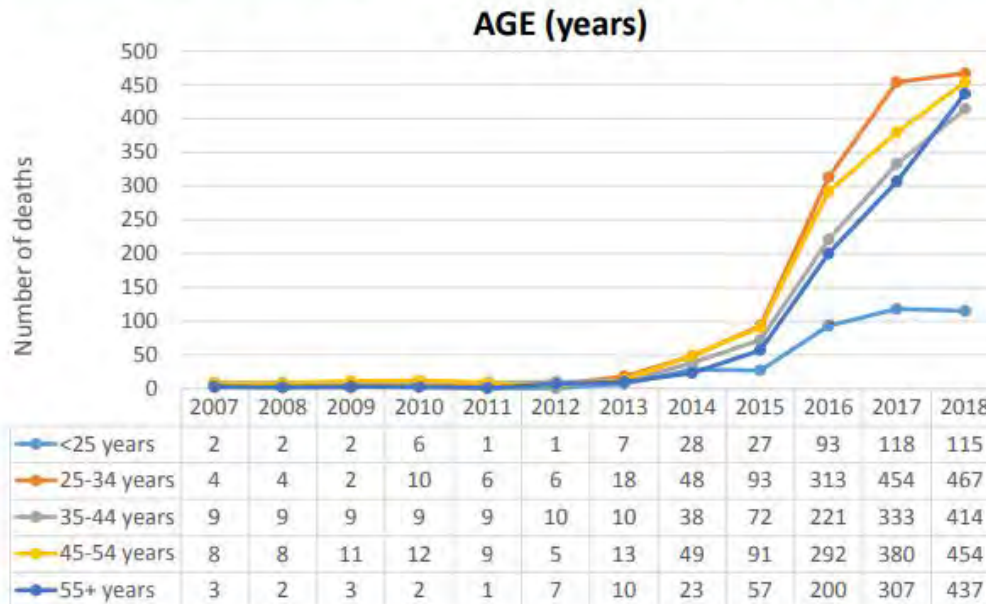
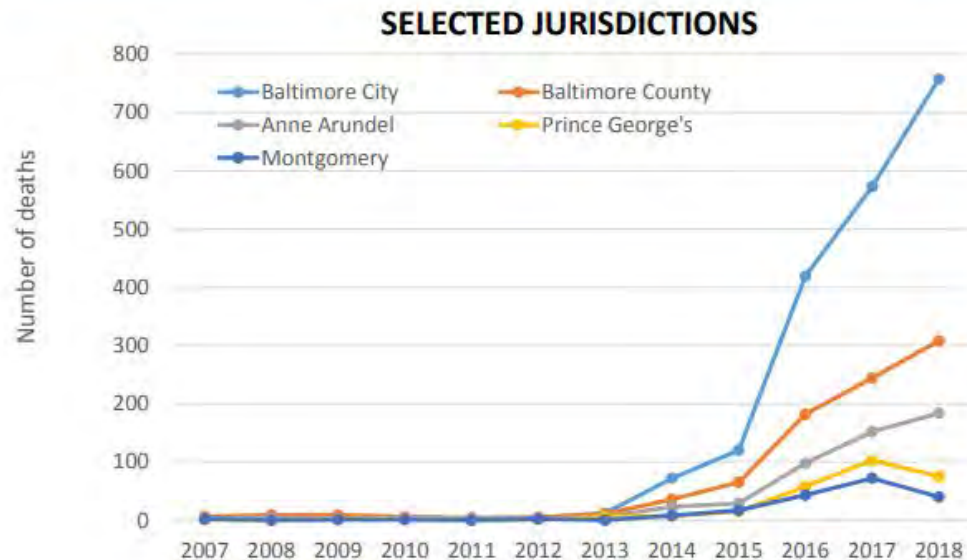
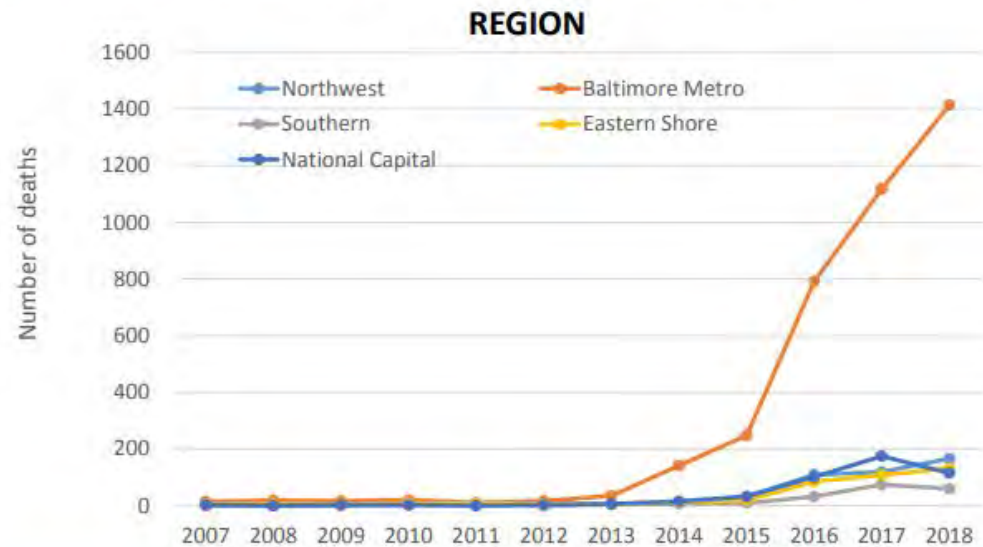
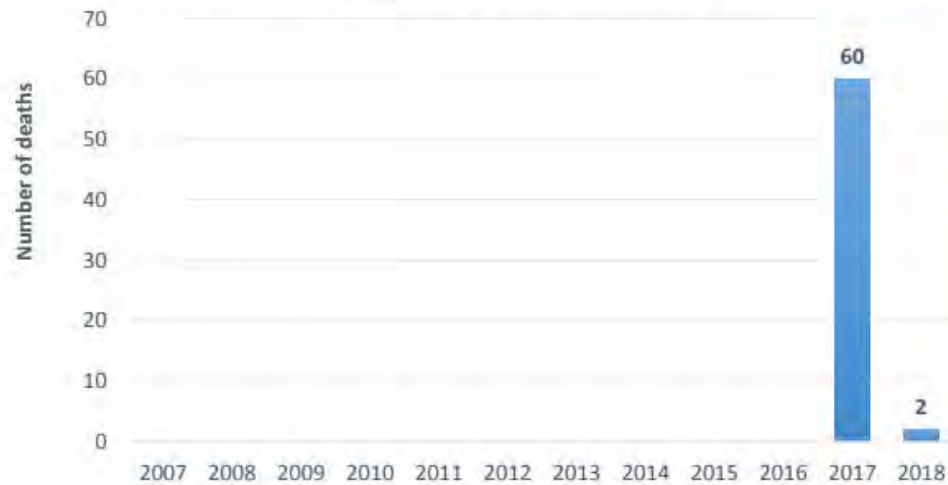


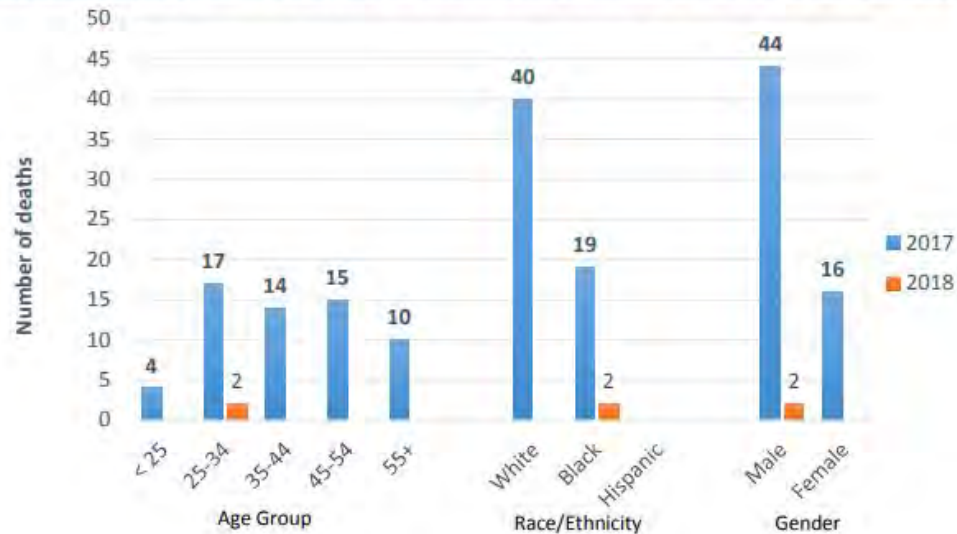
Figure 20. Number of Fentanyl-Related Deaths by Place of Occurrence, Maryland, 2007-2018.



**Figure 21. Number of Carfentanil-Related Deaths Occurring in Maryland, 2007-2018.**

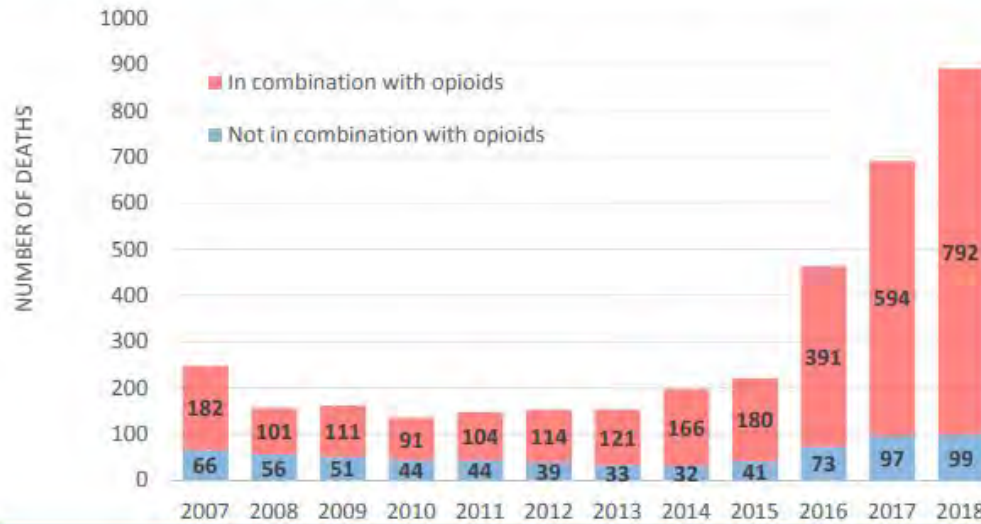


**Figure 22. Number of Carfentanil-Related Deaths Occurring in Maryland by Age Group, Race/Ethnicity, and Gender, 2017-2018.**

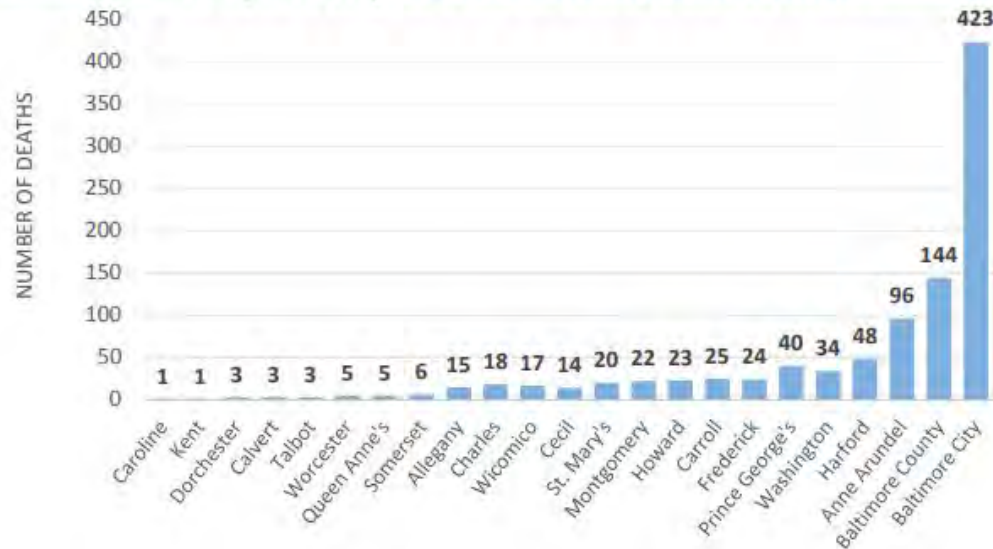




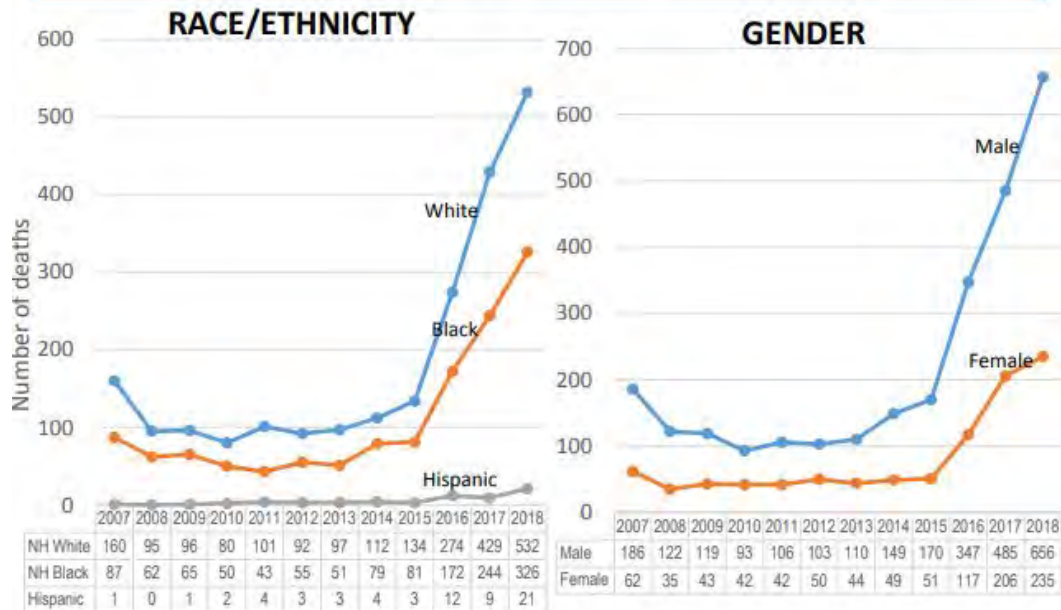
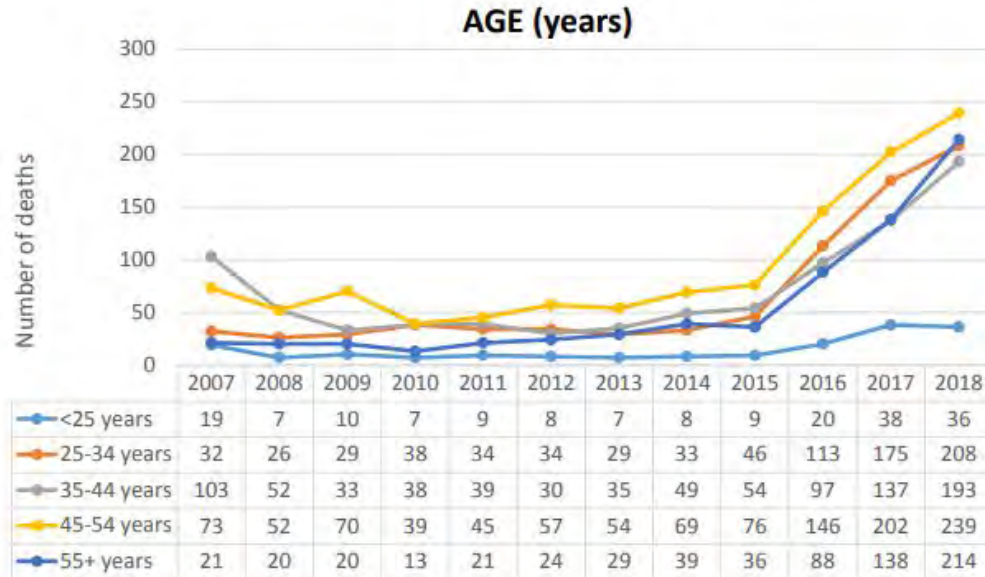
**Figure 23. Number of Cocaine-Related Deaths Occurring in Maryland, 2007-2018.**



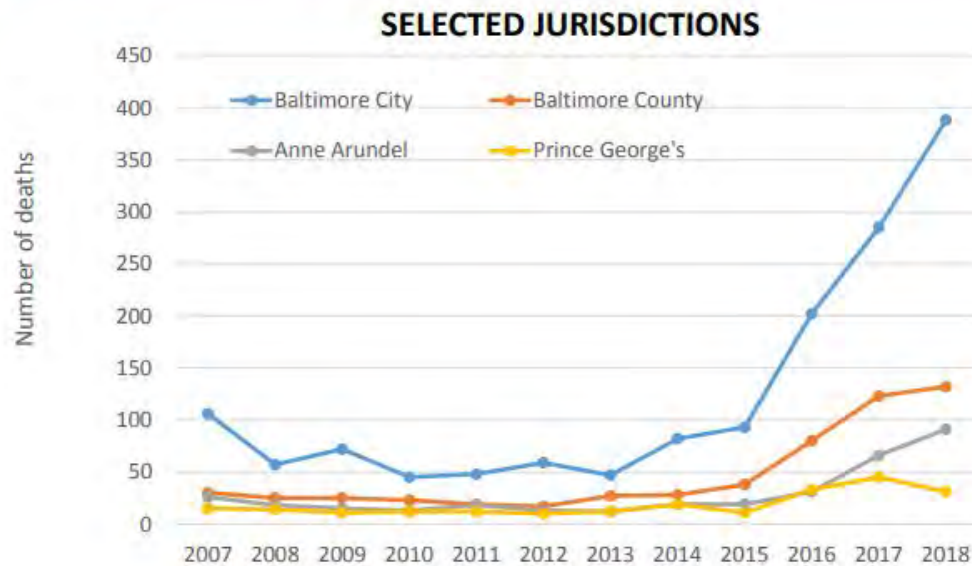
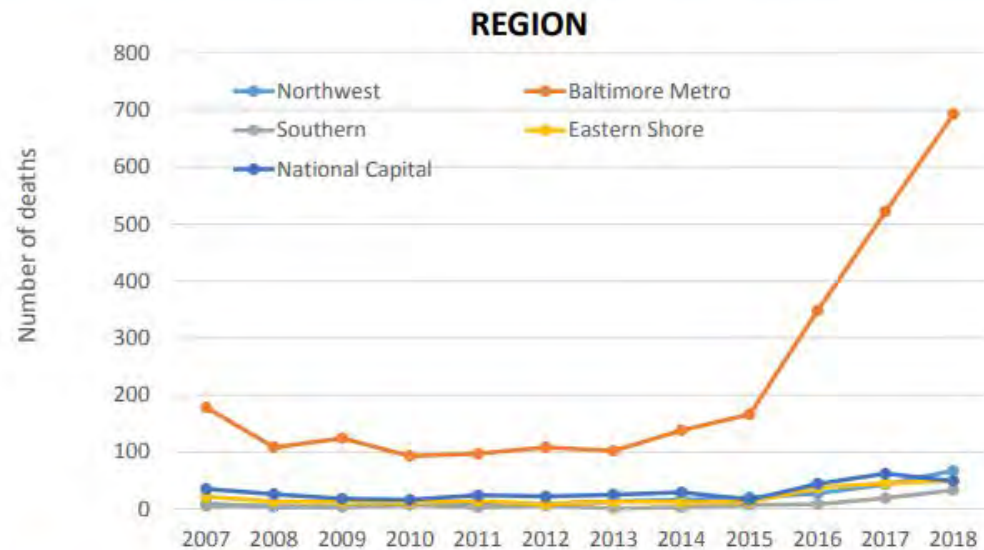
**Figure 24. Number of Cocaine-Related Deaths Occurring in Maryland by Place of Occurrence, 2018.**



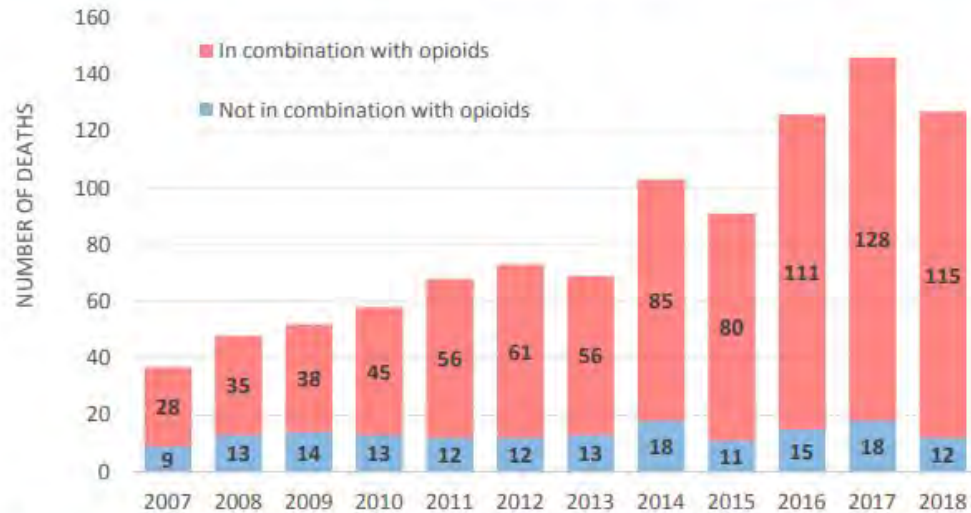
**Figure 25. Number of Cocaine-Related Deaths Occurring in Maryland by Age Group, Race/Ethnicity and Gender, 2007-2018.**



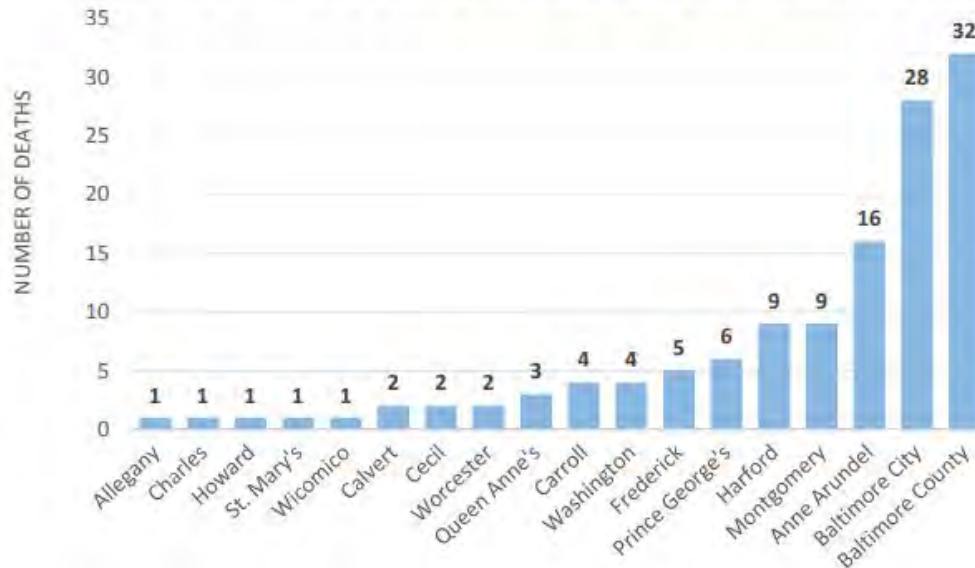
**Figure 26. Number of Cocaine-Related Deaths by Place of Occurrence, Maryland, 2007-2018.**



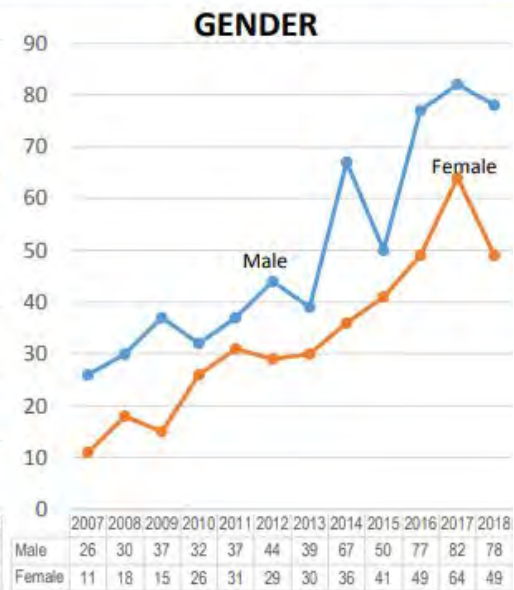
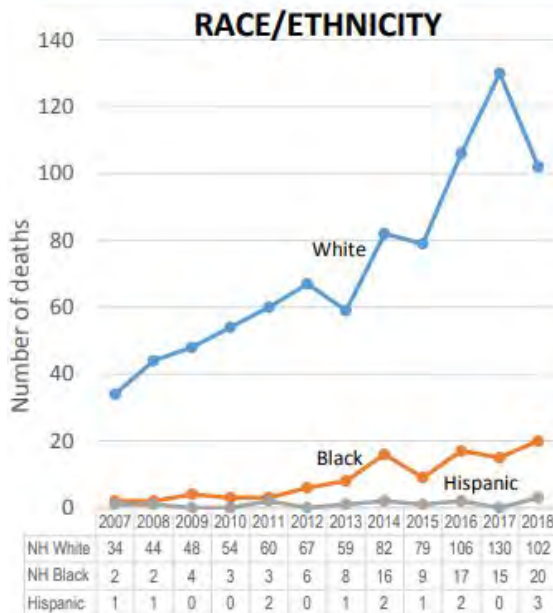
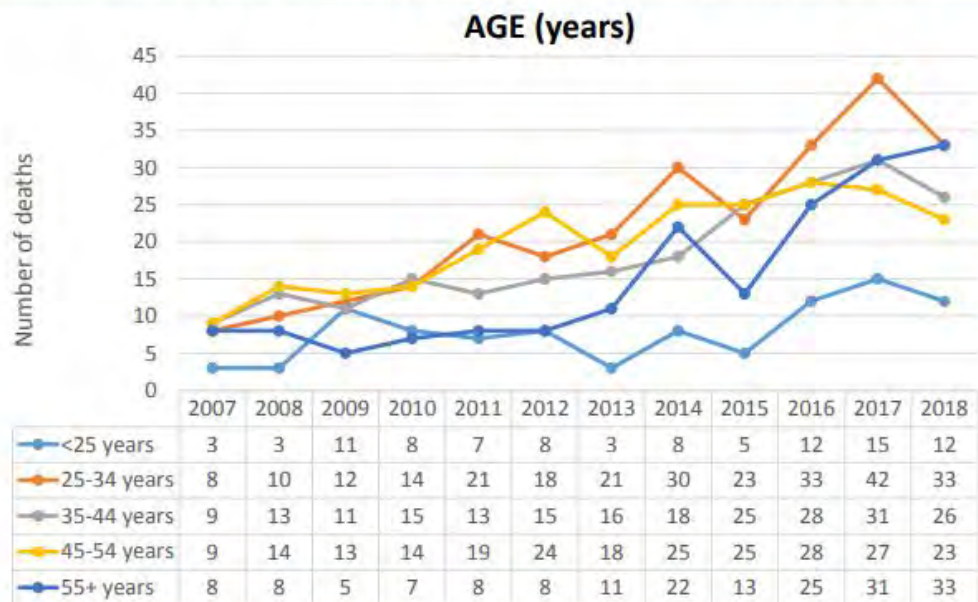
**Figure 27. Number of Benzodiazepine-Related Deaths Occurring in Maryland, 2007-2018.**



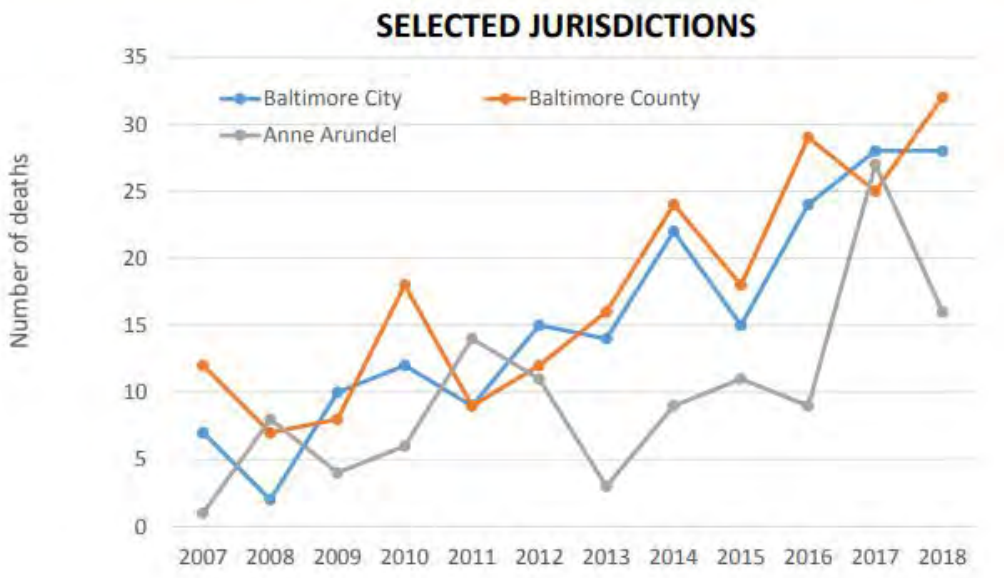
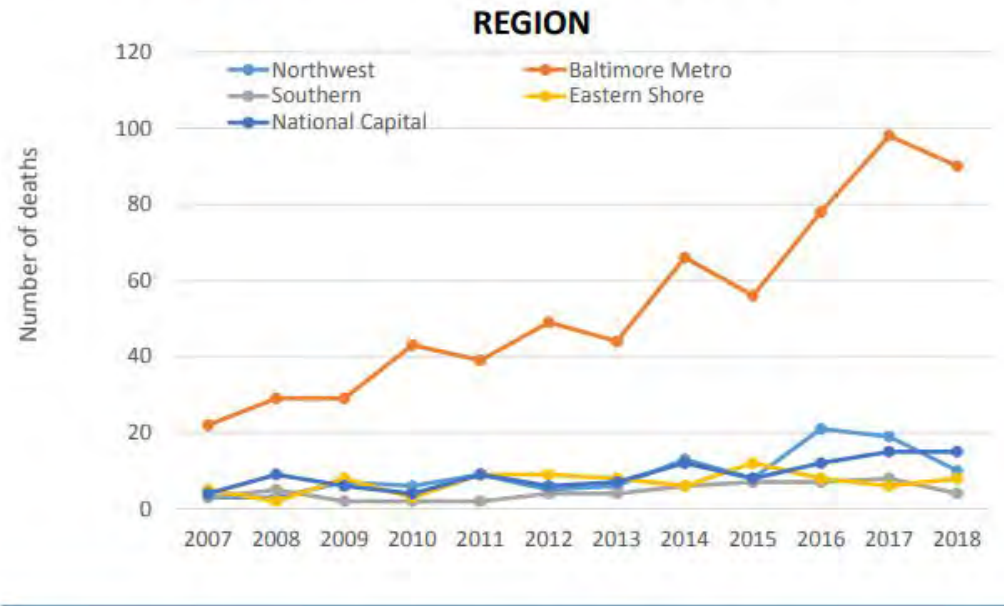
**Figure 28. Number of Benzodiazepine-Related Deaths Occurring in Maryland by Place of Occurrence, 2018.**



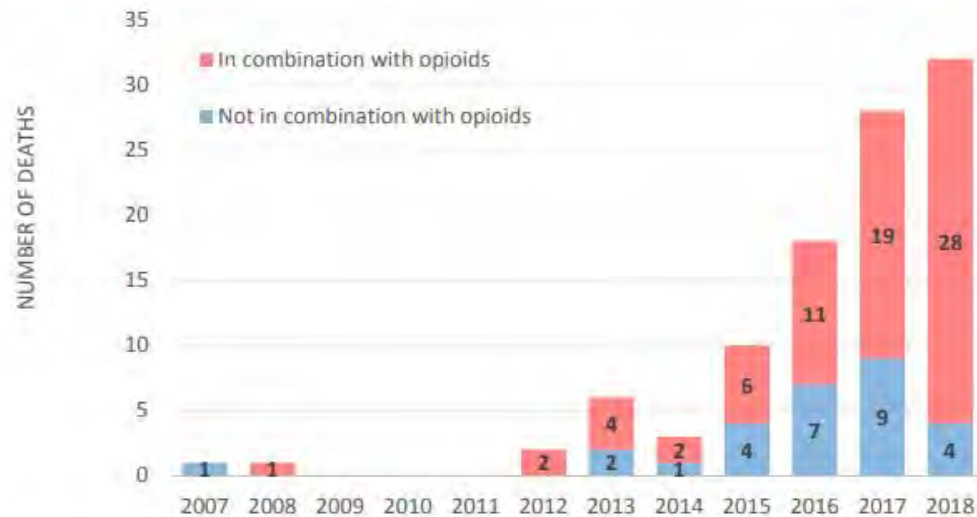
**Figure 29. Number of Benzodiazepine-Related Deaths Occurring in Maryland by Age Group, Race/Ethnicity and Gender, 2007-2018.**



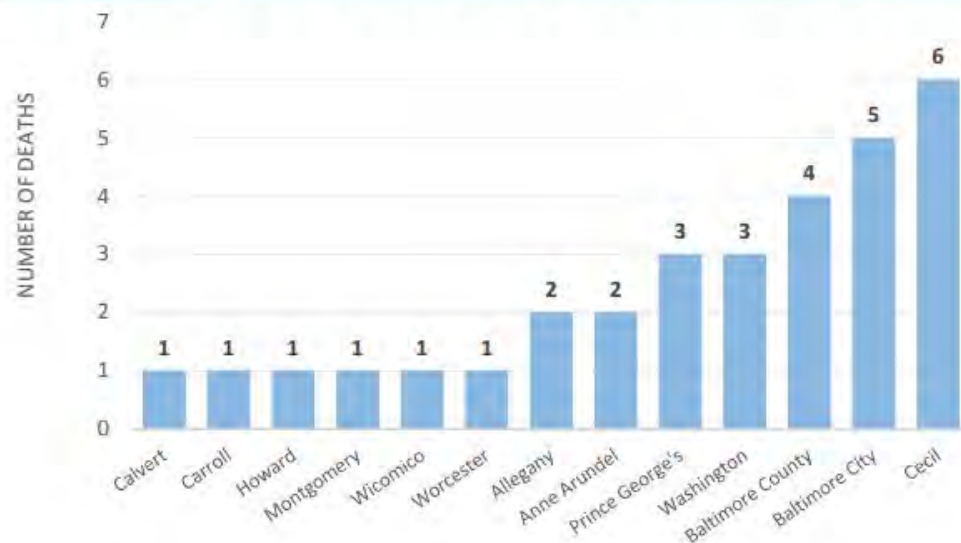
**Figure 30. Number of Benzodiazepine-Related Deaths by Place of Occurrence, Maryland, 2007-2018.**



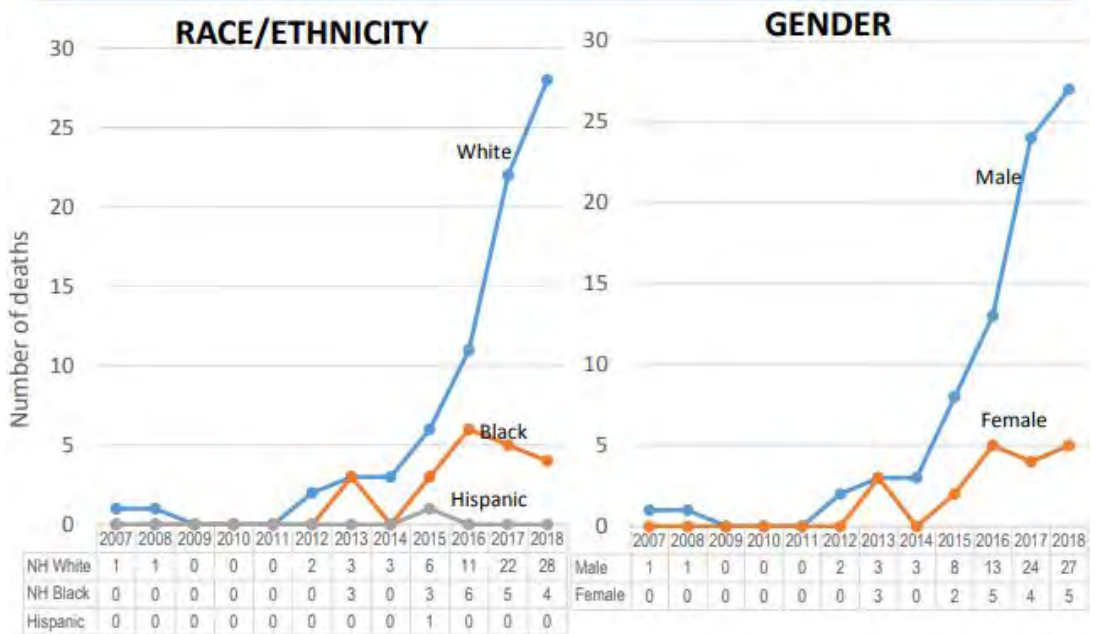
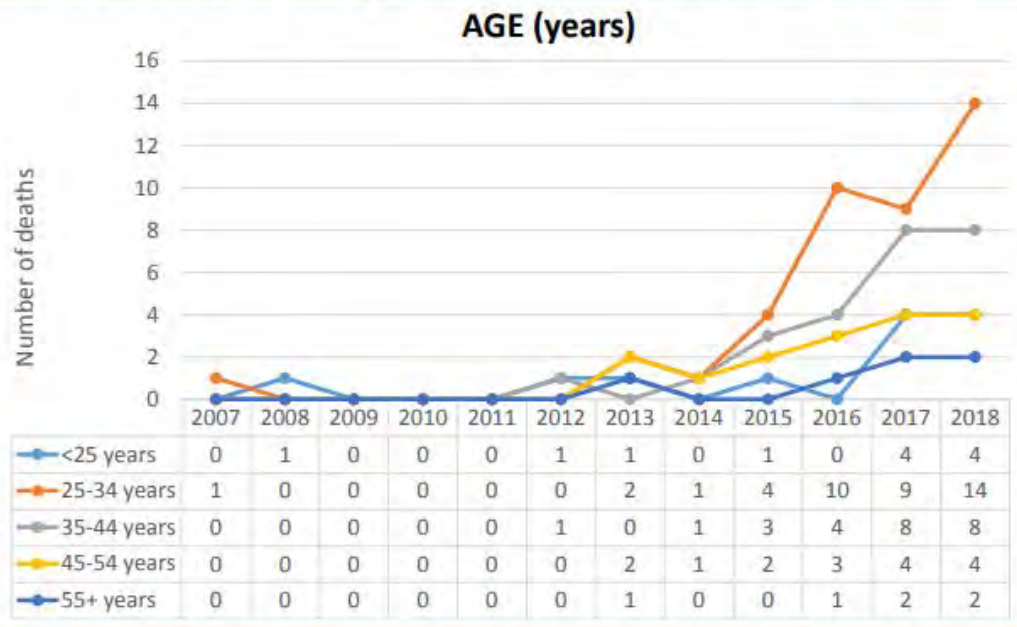
**Figure 31. Number of Methamphetamine-Related Deaths Occurring in Maryland, 2007-2018.**



**Figure 32. Number of Methamphetamine-Related Deaths Occurring in Maryland by Place of Occurrence, 2018.**

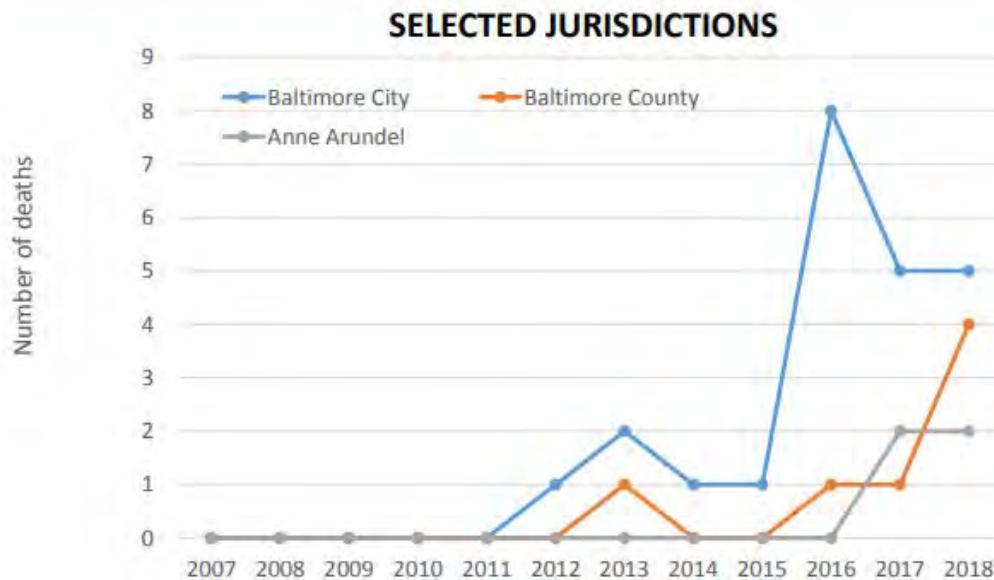
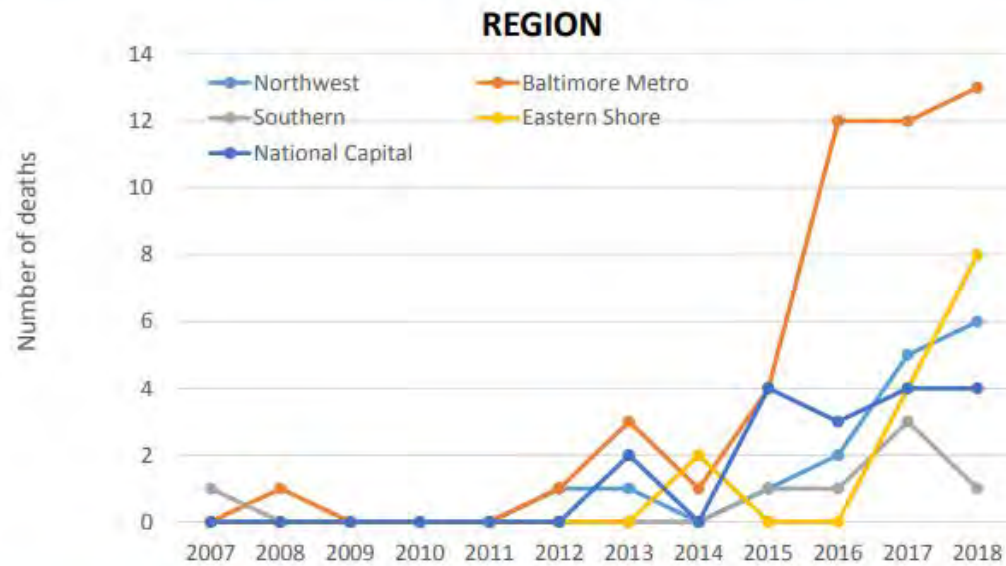


**Figure 33. Number of Methamphetamine-Related Deaths Occurring in Maryland by Age Group, Race/Ethnicity and Gender, 2007-2018.**

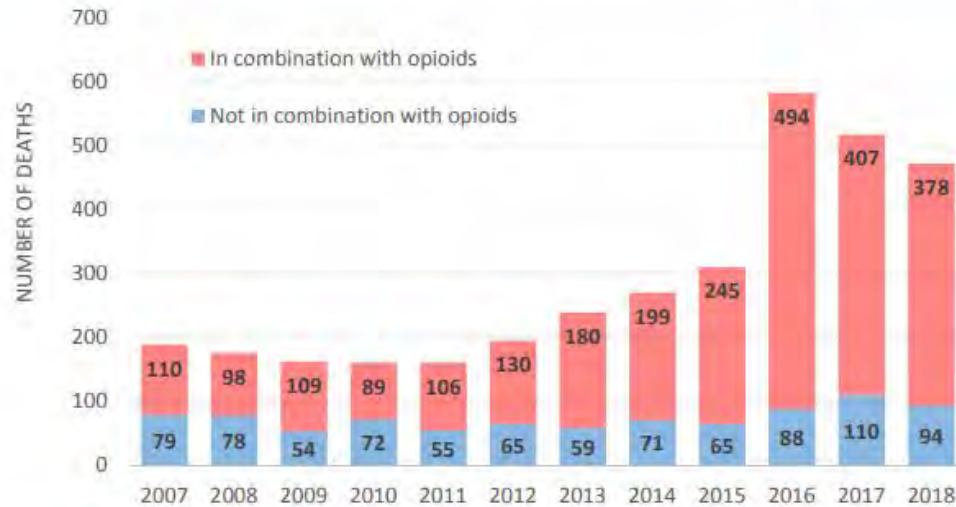




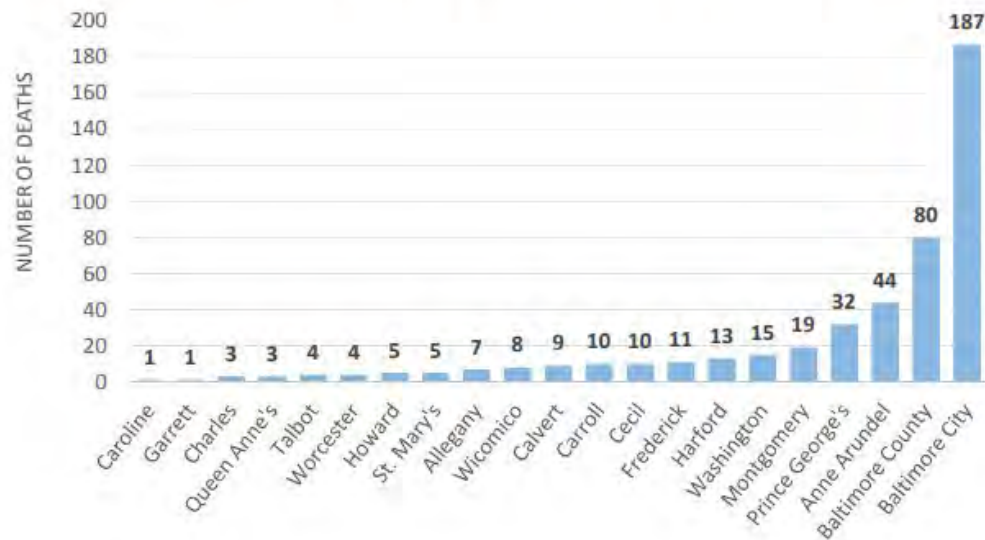
**Figure 34. Number of Methamphetamine-Related Deaths by Place of Occurrence, Maryland, 2007-2018.**



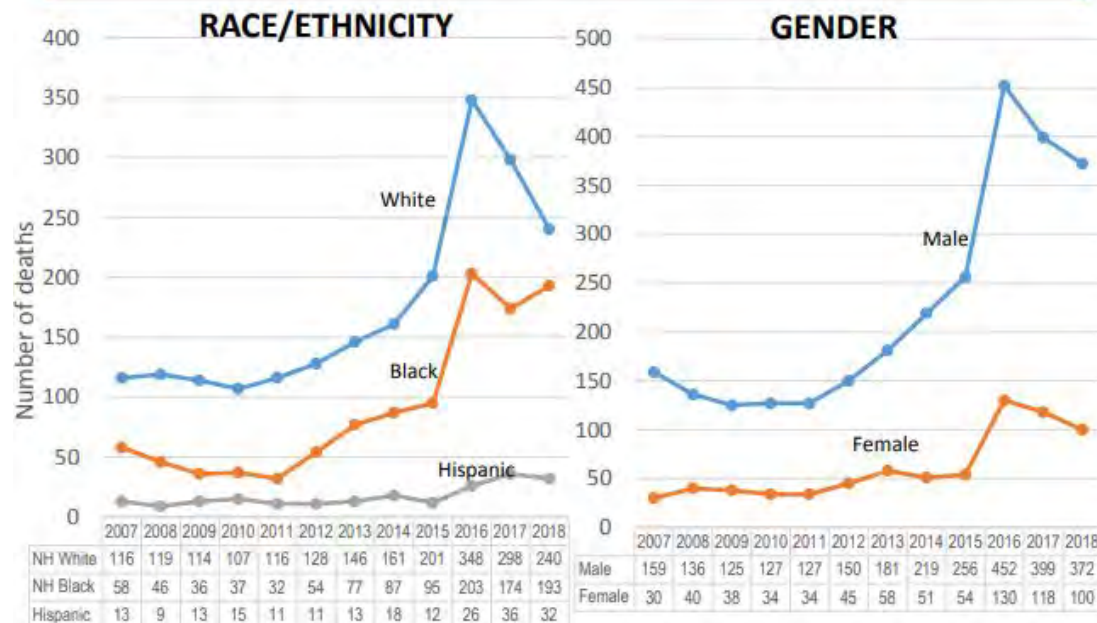
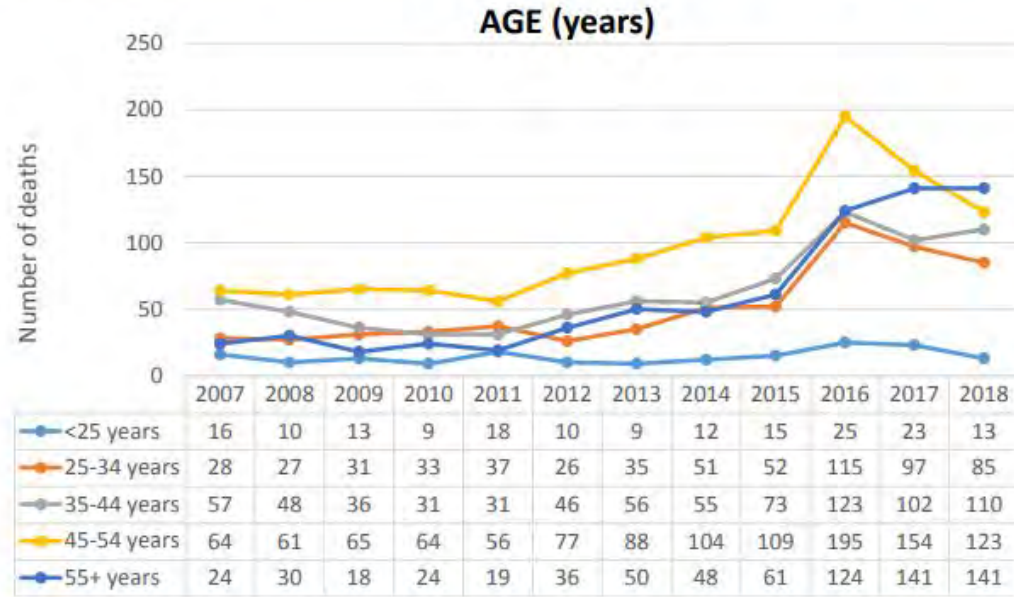
**Figure 35. Number of Alcohol-Related Deaths Occurring in Maryland, 2007-2018.**



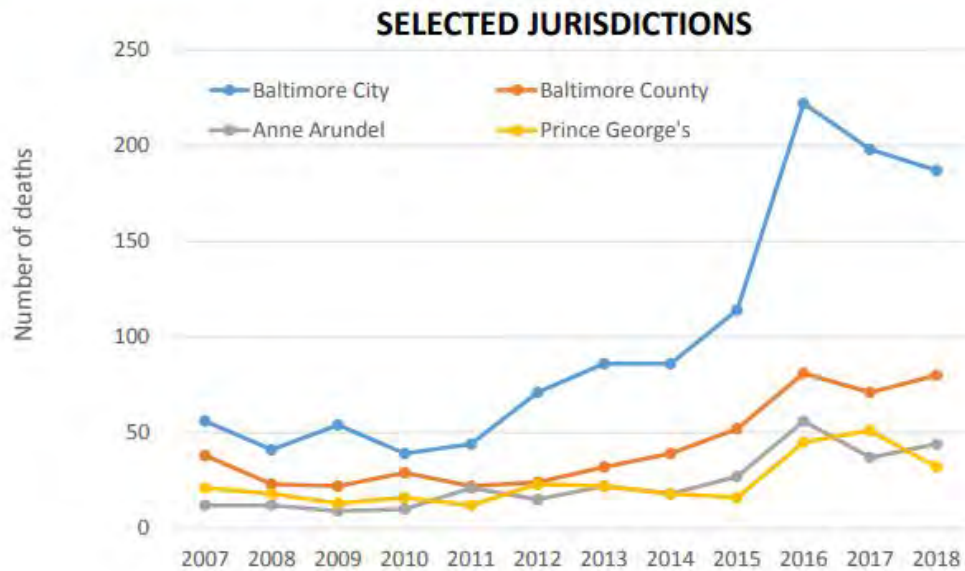
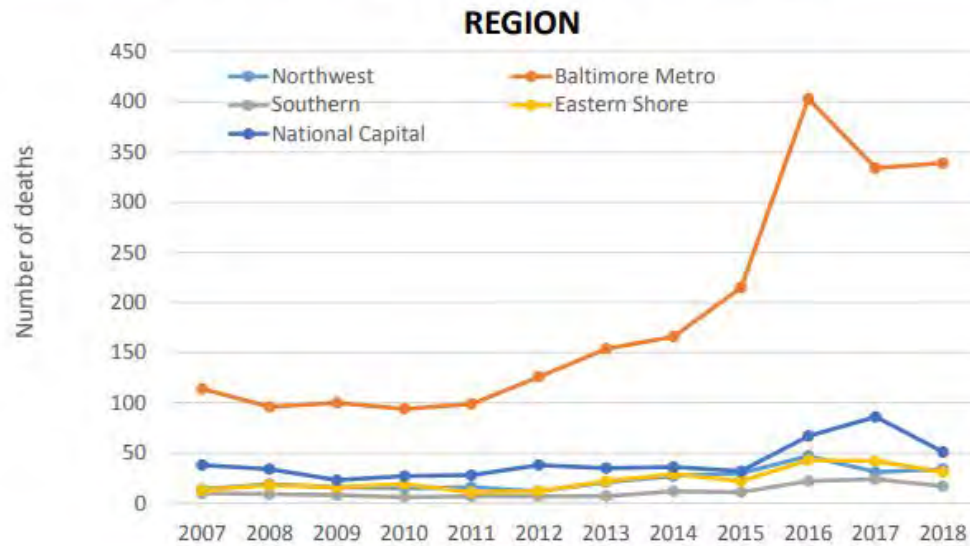
**Figure 36. Number of Alcohol-Related Deaths Occurring in Maryland by Place of Occurrence, 2018.**



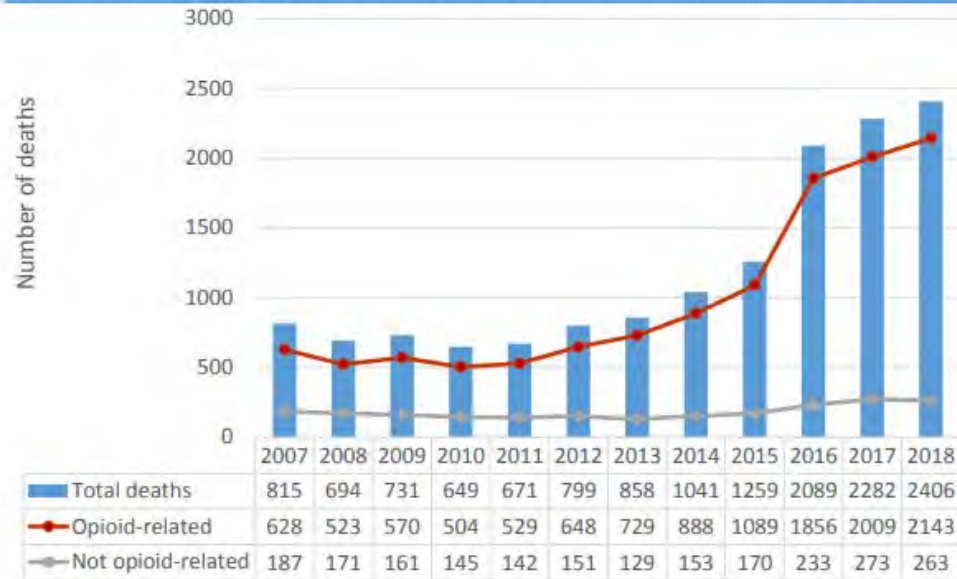
**Figure 37. Number of Alcohol-Related Deaths Occurring in Maryland by Age Group, Race/Ethnicity and Gender, 2007-2018.**



**Figure 38. Number of Alcohol-Related Deaths by Place of Occurrence, Maryland, 2007-2018.**



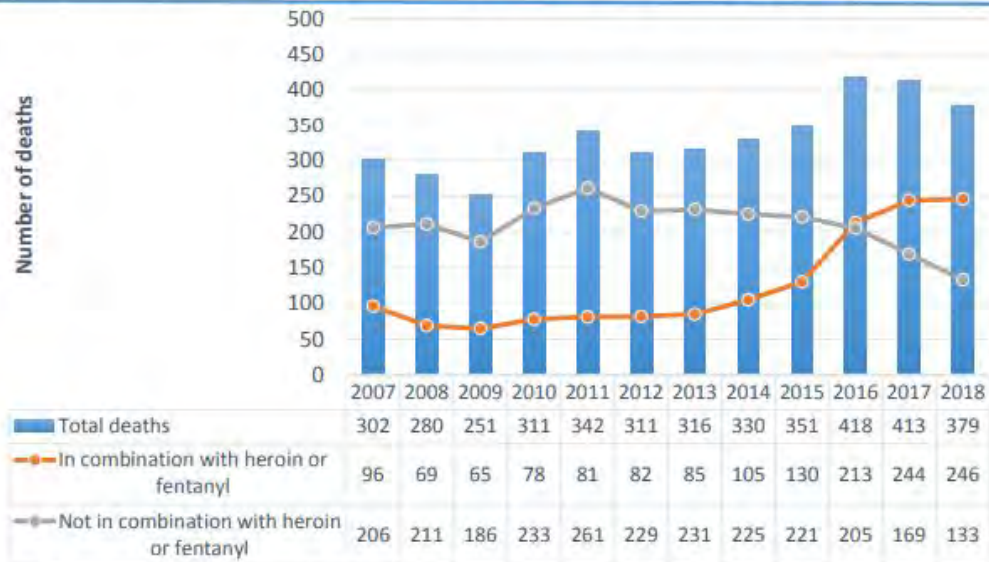
**Figure 39. Number of Drug- and Alcohol-Related Intoxication Deaths Involving Opioids, 2007-2018.**



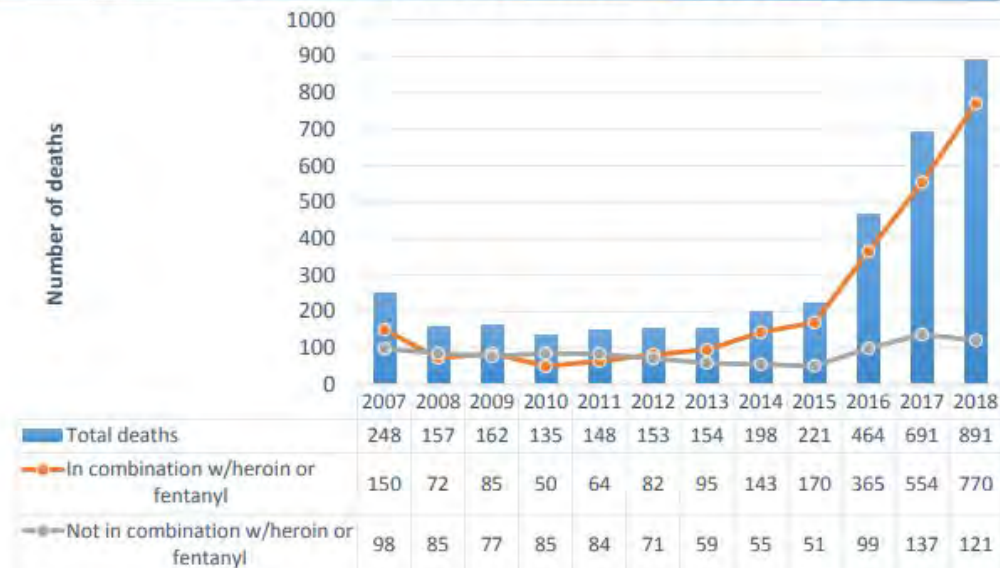
**Figure 40. Number of Intoxication Deaths by Presence of Heroin and/or Fentanyl, 2007-2018.**



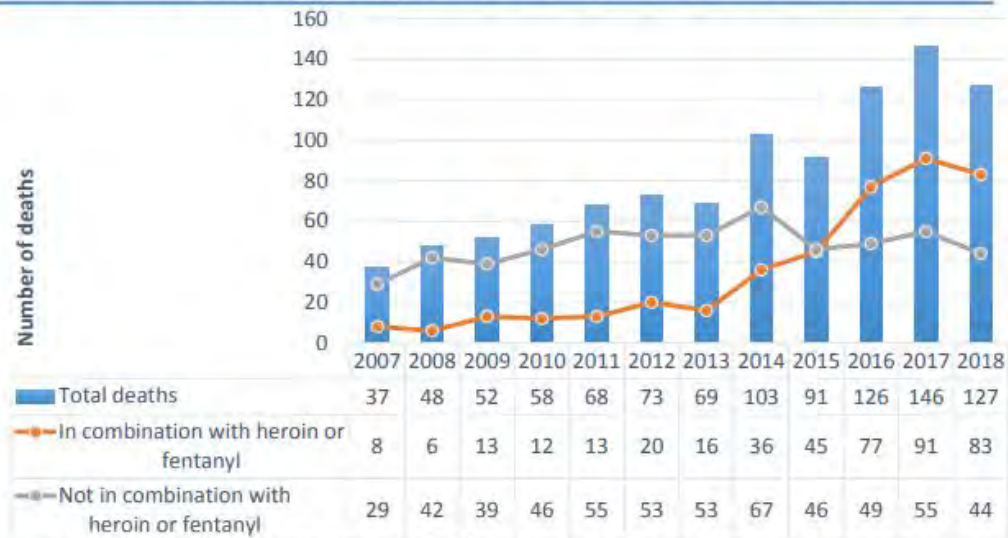
**Figure 41. Number of Prescription Opioid-Related Intoxication Deaths Involving Heroin or Fentanyl, 2007-2018.**



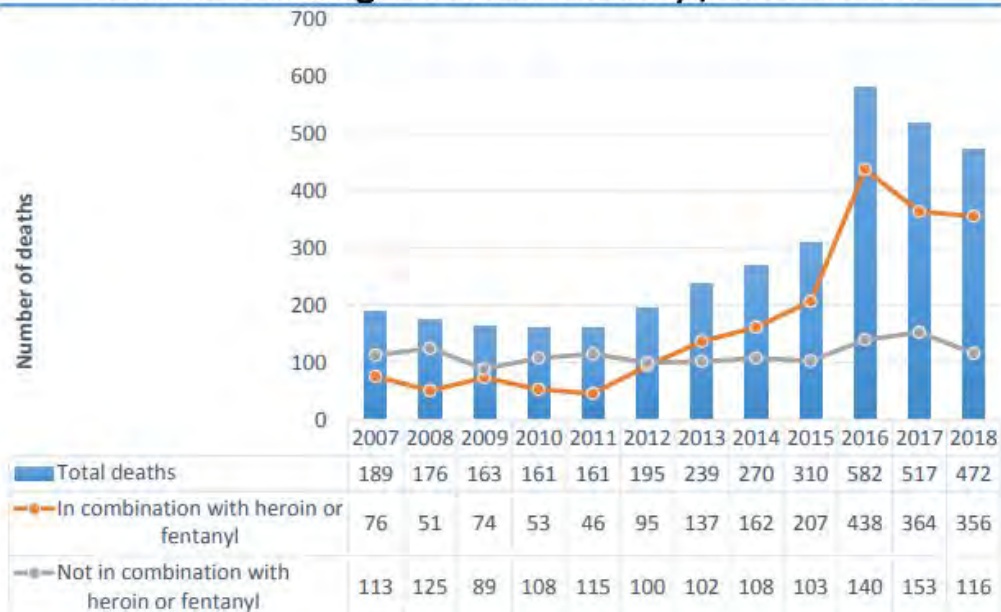
**Figure 42. Number of Cocaine-Related Intoxication Deaths Involving Heroin or Fentanyl, 2007-2018.**



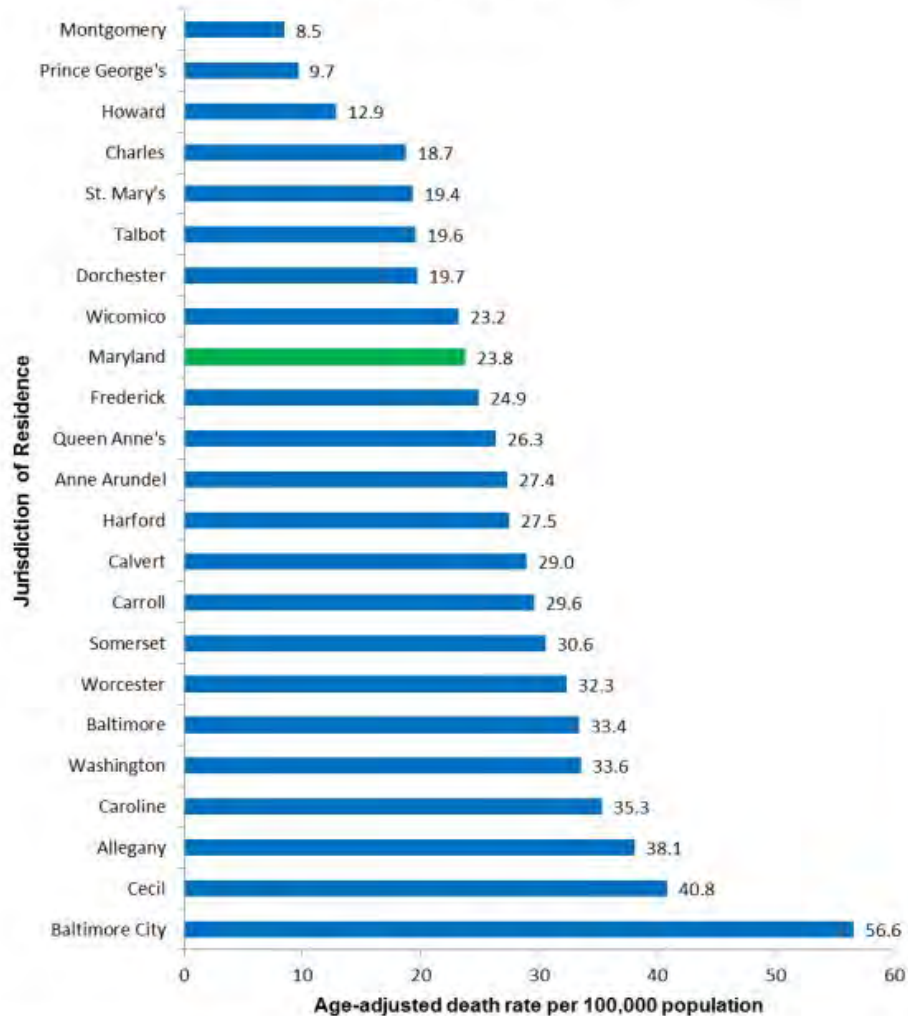
**Figure 43. Number of Benzodiazepine-Related Intoxication Deaths Involving Heroin or Fentanyl, 2007-2018.**



**Figure 44. Number of Alcohol-Related Intoxication Deaths Involving Heroin or Fentanyl, 2007-2018.**



**Figure 46. Age-Adjusted Mortality Rates<sup>1,2</sup> for Total Unintentional Intoxication Deaths by Place of Residence,<sup>3</sup> Maryland, 2013-2017.**



<sup>1</sup>Age-adjusted to the 2000 U.S. standard population by the direct method.

<sup>2</sup>Since age-adjusted rates based on fewer than 20 deaths are considered unreliable, rates are only shown for jurisdictions with 20 or more intoxication deaths over the five-year period.

<sup>3</sup>Rates are based on place of residence, not place of occurrence.



**TABLE 1. TOTAL NUMBER OF DRUG AND ALCOHOL-RELATED INTOXICATION DEATHS BY PLACE OF OCCURRENCE, 2007-2018.<sup>1,2</sup>**

| REGION AND POLITICAL SUBDIVISION | TOTAL INTOXICATION DEATHS |      |      |      |      |      |      |       |       |       |       |       |        |
|----------------------------------|---------------------------|------|------|------|------|------|------|-------|-------|-------|-------|-------|--------|
|                                  | 2007                      | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014  | 2015  | 2016  | 2017  | 2018  | TOTAL  |
| MARYLAND .....                   | 815                       | 694  | 731  | 649  | 671  | 799  | 858  | 1,041 | 1,259 | 2,089 | 2,282 | 2,406 | 14,294 |
| NORTHWEST AREA .....             | 54                        | 53   | 53   | 58   | 65   | 67   | 86   | 96    | 131   | 214   | 183   | 211   | 1,271  |
| GARRETT .....                    | 1                         | 3    | 3    | 3    | 2    | 0    | 6    | 2     | 5     | 1     | 8     | 3     | 37     |
| ALLEGANY .....                   | 14                        | 9    | 9    | 15   | 12   | 14   | 15   | 12    | 22    | 59    | 38    | 39    | 258    |
| WASHINGTON .....                 | 16                        | 26   | 18   | 20   | 21   | 27   | 28   | 40    | 64    | 66    | 59    | 91    | 476    |
| FREDERICK .....                  | 23                        | 15   | 23   | 20   | 30   | 26   | 37   | 42    | 40    | 88    | 78    | 78    | 500    |
| BALTIMORE METRO AREA .....       | 550                       | 443  | 479  | 411  | 420  | 519  | 557  | 678   | 841   | 1,402 | 1,549 | 1,731 | 9,580  |
| BALTIMORE CITY .....             | 287                       | 184  | 239  | 172  | 167  | 225  | 246  | 305   | 393   | 694   | 761   | 888   | 4,581  |
| BALTIMORE COUNTY .....           | 131                       | 118  | 106  | 115  | 107  | 119  | 144  | 170   | 220   | 336   | 367   | 388   | 2,321  |
| ANNE ARUNDEL .....               | 71                        | 70   | 63   | 56   | 79   | 83   | 78   | 101   | 112   | 195   | 214   | 241   | 1,363  |
| CARROLL .....                    | 14                        | 17   | 22   | 15   | 8    | 29   | 24   | 38    | 40    | 47    | 55    | 72    | 381    |
| HOWARD .....                     | 16                        | 19   | 16   | 10   | 21   | 24   | 29   | 21    | 26    | 46    | 51    | 41    | 320    |
| HARFORD .....                    | 31                        | 35   | 33   | 43   | 38   | 39   | 36   | 43    | 50    | 84    | 101   | 101   | 634    |
| NATIONAL CAPITAL AREA .....      | 109                       | 104  | 103  | 81   | 86   | 104  | 111  | 128   | 140   | 231   | 283   | 216   | 1,696  |
| MONTGOMERY .....                 | 56                        | 46   | 44   | 38   | 44   | 48   | 52   | 65    | 70    | 102   | 116   | 89    | 770    |
| PRINCE GEORGE'S .....            | 53                        | 58   | 59   | 43   | 42   | 56   | 59   | 63    | 70    | 129   | 167   | 127   | 926    |
| SOUTHERN AREA .....              | 33                        | 36   | 34   | 31   | 31   | 37   | 25   | 47    | 59    | 88    | 103   | 86    | 610    |
| CALVERT .....                    | 14                        | 9    | 14   | 6    | 12   | 12   | 6    | 17    | 20    | 28    | 32    | 28    | 198    |
| CHARLES .....                    | 13                        | 16   | 11   | 13   | 11   | 13   | 9    | 21    | 22    | 45    | 37    | 27    | 238    |
| ST MARY'S .....                  | 6                         | 11   | 9    | 12   | 8    | 12   | 10   | 9     | 17    | 15    | 34    | 31    | 174    |
| EASTERN SHORE AREA .....         | 69                        | 58   | 62   | 68   | 69   | 72   | 79   | 92    | 88    | 154   | 164   | 162   | 1,137  |
| CECIL .....                      | 25                        | 10   | 24   | 24   | 28   | 25   | 26   | 29    | 32    | 30    | 59    | 59    | 371    |
| KENT .....                       | 3                         | 4    | 2    | 5    | 2    | 0    | 4    | 6     | 3     | 6     | 5     | 2     | 42     |
| QUEEN ANNE'S .....               | 4                         | 5    | 4    | 4    | 5    | 2    | 8    | 10    | 4     | 8     | 8     | 17    | 79     |
| CAROLINE .....                   | 1                         | 4    | 2    | 2    | 11   | 4    | 2    | 7     | 3     | 10    | 11    | 7     | 64     |
| TALBOT .....                     | 5                         | 4    | 3    | 3    | 1    | 5    | 7    | 4     | 5     | 10    | 11    | 10    | 68     |
| DORCHESTER .....                 | 4                         | 5    | 2    | 6    | 2    | 5    | 5    | 0     | 1     | 6     | 12    | 7     | 55     |
| WICOMICO .....                   | 9                         | 13   | 12   | 13   | 11   | 21   | 17   | 20    | 18    | 48    | 35    | 36    | 253    |
| SOMERSET .....                   | 6                         | 3    | 4    | 1    | 3    | 3    | 4    | 3     | 6     | 8     | 4     | 8     | 53     |
| WORCESTER .....                  | 12                        | 10   | 9    | 10   | 6    | 7    | 6    | 13    | 16    | 28    | 19    | 16    | 152    |

<sup>1</sup> Includes deaths that were the result of recent ingestion or exposure to alcohol or another type of drug, including heroin, cocaine, prescription opioids, benzodiazepines, and other prescribed and unprescribed drugs.

<sup>2</sup> Includes only deaths for which the manner of death was classified as accidental or undetermined.

# So What is the Issue?

- Opiates are having a significant impact on our community:
  - Criminal Activity is on the increase
  - Deaths are on the Increase
  - Health care costs on the increase
- This is a “community” issue – impacts every facet of the community.
- The “Face of Opiate Use” is not what many people think.

# How Does Overdose Occur?

- Deliberate misuse of a prescription opioid or illicit drug such as heroin;
- Prescriber miscalculation of dose;
- Error by dispensing pharmacist;
- Misunderstanding of directions for use;
- Taking a prescription issued for someone else;
- Combination of prescribed or illicit opioid with alcohol or other medication.

# Who is At Risk?

- Anyone using opioids for long-term management of chronic pain;
- Individuals discharged from emergency medical care following opioid intoxication;
- Detoxification or abstinent for a period of time;
- Combining other medications;
- Recently released from incarceration.

# Why the Increase in OD Deaths?

- Crack down on Prescription Drug Use;
- More Pure Heroin;
- When changing from Prescription Drug to Heroin no conversion;
- Inclusion of fentanyl with the heroin;
- After periods of abstinence, going back to using the same amount of heroin
  - After periods of treatment
  - After periods of incarceration



# What is the Impact to the Community?

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- Loss of family support for the individual;
- Increase in treatment need/costs;
- Increase in Crime;
- Increase cost to the criminal justice system:
  - Law enforcement
  - Corrections
  - Judiciary
- Decrease in the tax base:
  - Fewer people with desire to reside in the community
- Decrease in the employment base:
  - Employers having difficulty hiring individuals that can pass a drug test
- Increase in health care costs:
  - \$700 billion a year in increased healthcare costs, crime and lost productivity

# So What Is Being Done to Address the Issues?

- Prescription Drug Monitoring Program
- Medication Assisted Treatment
- Prescription Drop Off Sites
- Naloxone
- Treatment Expansion
- Prevention and Outreach
- Peer Support
- Prescription Drug Education Program for Prescribers
- Overdose Fatality Review Teams
- Case management for Addicted individual
- Encourage public to call 911-  
Good Samaritan Law
- COAT Project
- Safe Station





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