VIRGINIA DEPARTMENT OF HEALTH
OFFICE OF THE CHIEF MEDICAL EXAMINER

“To promote and protect the health of all Virginians”

Fatal Drug Overdose Quarterly Report
1ST QUARTER 2023

Edition 2023.1
Publication Date: July 2023
METHODS, CONSIDERATIONS, AND LIMITATIONS

This quarterly report contains the most recent number of drug related deaths in Virginia for the previous quarter. The numbers represented in this report are preliminary, subject to change, and are most likely slightly under reported at the time of publication due to operational practices and limitations (specifically case turnaround time for reports) within the agency; therefore updates and/or changes to numbers previously published in past reports should be expected. It is highly recommended that when citing these data and reports, the edition number is included.

Data analyzed in the report is obtained from the Virginia Medical Examiner Database System (VMEDS). VMEDS is an internal agency database which contains detailed information on all deaths reported to the OCME. Data presented in this report is based upon accepted cases of either full autopsy or external exams. All manners of fatal drug overdoses (accident, homicide, suicide, undetermined) are included in this report.

Due to the nature of law enforcement and OCME death investigation, all deaths presented in this report are based upon locality of occurrence and not residential status of the decedent. The numbers and rates of these death by locality of injury and drug name/drug category are available in separate documents (http://www.vdh.virginia.gov/medical-examiner/forensic-epidemiology/).

This report compiles data on drugs causing or contributing to death in fatal drug overdose cases. This report does not include data on drugs detected, but not contributing or causing death. Often, drug-related deaths have more than one drug causing or contributing to death. Therefore, deaths in which multiple categories of drugs caused or contributed to death will be represented once within each drug category, but multiple times within the entire report. Example: a fatal cocaine, heroin, and alprazolam overdose death will be counted in the cocaine summary, the heroin summary, and the benzodiazepine summary.

Prescription Opioids analyzed in this report include buprenorphine, codeine, hydrocodone, hydromorphone, levorphanol, meperidine, methadone, morphine, oxycodone, oxymorphone, pentazocine, propoxyphene, tapentadol, and tramadol and are included in the category of ‘Prescription Opioids’. Benzodiazepines analyzed in this report include adinazolam, alprazolam, bromazepam, clonazepam, clonazolam, deschloroetizolam, diazepam, etizolam, flualprazolam, flubromazolam, flubromazepam, flurazepam, lorazepam, meclonazepam, midazolam, nordiazepam, oxazepam, phenazepam, temazepam, and triazolam and are included in the category of ‘Benzodiazepines’.

Projected estimates for 2023 (entire year) are calculated based upon initial counts by quarter, average toxicology turnaround time at the time of the report, the date of data analysis, and previous quarter fatality trend review.

Rate calculations are based upon Virginia population projections. These population estimates came from the Virginia Department of Health, Division of Health Statistics (http://www.vdh.virginia.gov/HealthStats/stats.htm).

Quarters are based upon calendar year and are defined as follows:

- Quarter 1 (Q1)- January 1st - March 31st
- Quarter 2 (Q2)- April 1st - June 30th
- Quarter 3 (Q3)- July 1st - September 30th
- Quarter 4 (Q4)- October 1st - December 31st

*** This document is currently being remediated to meet the VDH accessibility requirements***
• Fatal drug overdose has been the leading method of unnatural death in Virginia since 2013

• Opioids, specifically illicit fentanyl, have been the driving force behind the large increases in fatal overdoses since 2013

• In 2015 statewide, the number of illicit opioids deaths surpassed prescription (Rx) opioid deaths. This trend continued at a greater magnitude in 2016 to present

• From 2007-2021, there wasn’t a significant increase or decrease in fatal prescription (Rx) opioid overdoses; however, in 2022, there was a large drop in Rx opioid overdoses compared to the past 15-year span

• Fentanyl (prescription, illicit, and/or analogs) caused or contributed to death in 75.7% of all fatal overdoses in 2022

• Fatal non-opioid illicit drug overdoses are on the rise. In 2020, fatal cocaine overdoses increased 22.0% and fatal methamphetamine overdoses increased 5.1% compared to 2021
TOP 3 METHODS OF UNNATURAL DEATH

The leading methods of unnatural death in Virginia since 2007 have been motor vehicle collisions, gun-related deaths, and fatal drug overdoses (these methods of death include all manners of death: accident, homicide, suicide, and undetermined). In 2013, fatal drug overdose became the leading method of unnatural death in the Commonwealth. This trend has continued to worsen at a greater magnitude due mainly to illicit opioids (heroin, illicit fentanyl, and fentanyl analogs).

Total Number of Motor Vehicle, Gun, and Drug Related Fatalities by Year of Death, 2007-2023*

Data for 2023 is a Predicted Total for the Entire Year

1 Top 3 methods of death (motor vehicles, guns, and drugs) include all manners of death (accident, homicide, suicide, and undetermined)
The total number of fatal drug overdoses statewide has increased each year. In 2013, fatal drug overdose became the number one method of unnatural death in the Commonwealth, surpassing both motor vehicle-related fatalities and gun-related fatalities. In 2014, fatal drug overdose became the leading cause of accidental death in Virginia. Fatal overdoses, all substance, decreased by 1.9% in 2022 when compared to 2021.
ALL DRUGS

First Quarter, 2007-2023*

Second Quarter, 2007-2023*

Third Quarter, 2007-2023*

Fourth Quarter, 2007-2023*

Number of Fatalities

Virginian Department of Health
Protecting You and Your Environment
Rate of All Fatal Drug Overdoses, All Substances, by Locality of Overdose, 2022

Rate per 100,000

- 0.0
- 4.6 - 30.6
- 30.7 - 56.6
- 56.7 - 82.6
- 82.7 - 108.7
- 108.8 - 134.7

Source: Virginia Department of Health, Office of the Chief Medical Examiner

* Rate groupings are based upon equal numerical range categories; rates based on small case counts (<5 deaths) are not suppressed
FATAL DRUG OVERDOSES BY NAME/CATEGORY

- Benzodiazepines
- Cocaine
- Fentanyl
- Heroin
- Prescription Opioids (Excluding Fentanyl)
The number of fatal benzodiazepine-related overdoses has fluctuated each year. It is very uncommon for a decedent to fatally overdose on one or more benzodiazepines alone. However, when a person ingests other substances (e.g. alcohol, opiates, methamphetamine) in addition to larger, nontherapeutic amounts of benzodiazepines, the user is potentially creating a lethal cocktail of mixed substances. Fatal benzodiazepine overdoses often had one or more prescription opioids (excluding fentanyl) causing or contributing to death; however, this proportion has slowly decreased in recent years from nearly 90% in 2007 to 41.2% in 2022. Nearly 74% of benzodiazepine overdoses in 2022 also had fentanyl causing death.
BENZODIAZEPINES

Total Number of Fatal Benzodiazepine Overdoses by Drug Name and Year of Death, 2007-2023*
Data for 2023 is a Predicted Total for the Entire Year

1 Flurazepam, lorazepam, midazolam, nordiazepam, oxazepam, temazepam and triazolam were excluded from this analysis because of low annual case counts (<20 deaths per year)

2 Each benzodiazepine is tallied by each time it caused or contributed to death (analyzed from either toxicology or the cause of death statement) and therefore the total number of benzodiazepines will far exceed the actual number of fatalities
Rate of Fatal Benzodiazepine Overdoses by Locality of Overdose, 2022

Rate per 100,000*
- 0.0
- 0.7 - 4.1
- 4.2 - 7.5
- 7.6 - 10.9
- 11.0 - 14.3
- 14.4 - 17.7

Source: Virginia Department of Health, Office of the Chief Medical Examiner

* Rate groupings are based upon equal numerical range categories; rates based on small case counts (<5 deaths) are not suppressed
COCAINÉ

The total number of fatal cocaine-related overdoses statewide has been slowly increasing since 2013. Of the 983 fatal cocaine overdoses in 2022, 81.6% also included fentanyl (prescription, illicit, or analogs). The number of fatal cocaine overdoses in 2022 increased by 22.0% compared to 2021.

Total Number of Fatal Cocaine Overdoses by Quarter and Year of Death, 2007-2023*

Data for 2023 is a Predicted Total for the Entire Year

The number of fatal cocaine-related overdoses has been increasing since 2013. In 2022, 81.6% of the 983 fatal cocaine overdoses included fentanyl (prescription, illicit, or analogs). The number of fatal cocaine overdoses increased by 22.0% compared to 2021.
Rate groupings are based upon equal numerical range categories; rates based on small case counts (<5 deaths) are not suppressed.
The number of fatal fentanyl-related drug overdoses began increasing in 2012; which coincides with the dramatic increase in fatal heroin overdoses. Prior to 2013, most fentanyl-related deaths were due to illicit use of pharmaceutically produced fentanyl. However, in late 2013, early 2014, law enforcement investigations and toxicology testing demonstrated an increase in illicitly produced fentanyl. By 2016, most fatal fentanyl-related overdoses were due to illicitly produced fentanyl and fentanyl analogs, and not pharmaceutically produced fentanyl. For statistical purposes, ‘fentanyl’ includes all pharmaceutically produced fentanyl, illicitly produced fentanyl, and fentanyl analogs. The number of fatal fentanyl overdoses in 2022 compared to 2021 decreased by 2.7%. In 2022, fentanyl was involved in 75.7% of all drug overdose deaths.

Historically, fentanyl has been categorized as a prescription opioid because it is mass produced by pharmaceutical companies. However, law enforcement investigations and toxicology results have demonstrated that several recent fentanyl seizures have not been pharmaceutically produced, but illicitly produced. This illicit form of fentanyl is produced by international drug traffickers who import the drug into the United States and often, mix it into heroin being sold. This illicitly produced fentanyl has been the biggest contributor to the significant increase in the number of fatal opioid overdoses in Virginia.

Illicit and pharmaceutically produced fatal fentanyl overdoses are represented in this analysis. This includes all different types of fentanyl analogs (acetyl fentanyl, furanyl fentanyl, etc.)
In 2016, the OCME began collecting information on the suspected origin of fentanyl (pharmaceutical production, illicit production, or unknown) on all fatal overdoses involving fentanyl. The determination is made by reviewing the examination report, toxicology report, police report, and several other sources of information collected during the death investigation process. This classification is more subjective than objective, but still provides detailed insight to the current proportion of illicitly produced fentanyl in Virginia that is contributing to fatal overdoses. In 2022, it was estimated that nearly 99% of fatal fentanyl overdoses were due to the illicitly produced versions of the drug.

1 Historically, fentanyl has been categorized as a prescription opioid because it is mass produced by pharmaceutical companies. However, recent law enforcement investigations and toxicology results have demonstrated that several recent fentanyl seizures have not been pharmaceutically produced, but illicitly produced. This illicit form of fentanyl is produced by international drug traffickers who import the drug into the United States and often, mix it into heroin being sold. This illicitly produced fentanyl has been the biggest contributor to the significant increase in the number of fatal opioid overdoses in Virginia.

2 Illicit and pharmaceutically produced fatal fentanyl overdoses are represented in this analysis. This includes all different types of fentanyl analogs (acetyl fentanyl, furanyl fentanyl, etc.)
FENTANYL ANALOGS

Fentanyl analogs are a category of illicitly produced opioids very similar to fentanyl, but slightly different in their chemical structure. Fentanyl analogs began appearing in Virginia in 2014 and have risen dramatically since the beginning of 2016. In fatal overdoses, fentanyl analogs are often found with fentanyl and/or two different fentanyl analogs together, and/or heroin or cocaine, or due to the analog itself, without other drugs detected. Fentanyl analogs are illicitly produced and vary in their potency, and can be blamed in part for the significant rise in fatal overdoses due to opioids. For statistical purposes, ‘fentanyl’ includes all pharmaceutically produced fentanyl, illicitly produced fentanyl, and fentanyl analogs.

![Graph showing the total number of fatal fentanyl analog overdoses by quarter and year of death, 2014-2023*](image)

1 Each fentanyl analog is tallied by each time it caused or contributed to death (analyzed from either toxicology or the cause of death statement) and therefore the total number of analogs will exceed the actual number of fatalities
2 New guidance in 2019 reevaluated despropionyl fentanyl as an active fentanyl analog and reclassified the drug as a known precursor chemical in the illicit synthesis of fentanyl and fentanyl analogs, as well as a potential metabolite of one or more fentanyl analogs. Therefore, despropionyl fentanyl has been removed from the list of fentanyl analogs and has been removed from the grouping of ‘Total Fentanyl Analog Fatalities’ analyzed in this report. With this revision, it should be expected that numbers in past reports are outdated and should be updated to include the most current laboratory guidance.
Rate of Fatal Fentanyl (Rx, Illicit, and Analog) Overdoses by Locality of Overdose, 2022

* Rate groupings are based upon equal numerical range categories; rates based on small case counts (<5 deaths) are not suppressed
The total number of fatal heroin-related overdoses began increasing in 2010. Fatal heroin overdoses often occurred as the primary drug causing death, but more recently, heroin and fentanyl and/or fentanyl analog combinations caused a large portion of fatal drug overdoses. The annual number of fatal heroin overdoses in 2017-2019 were nearly identical, but began to decrease in 2020-2022. Heroin overdose deaths decreased by 37.7% in 2022 compared to 2021.

**Total Number of Fatal Heroin Overdoses by Quarter and Year of Death, 2007-2023**

*Data for 2023 is a Predicted Total for the Entire Year*

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</table>

**HEROIN**

The total number of fatal heroin-related overdoses began increasing in 2010. Fatal heroin overdoses often occurred as the primary drug causing death, but more recently, heroin and fentanyl and/or fentanyl analog combinations caused a large portion of fatal drug overdoses. The annual number of fatal heroin overdoses in 2017-2019 were nearly identical, but began to decrease in 2020-2022. Heroin overdose deaths decreased by 37.7% in 2022 compared to 2021.
Rate groupings are based upon equal numerical range categories; rates based on small case counts (<5 deaths) are not suppressed.
From 2007 to 2014, fatal methamphetamine overdoses were relatively uncommon compared to other drugs/drug categories, but in 2014, the number of fatal methamphetamine overdoses began to increase. In 2022, fatal methamphetamine overdoses most frequently had fentanyl (prescription, illicit, and/or analogs) causing or contributing to death (73.3%). The preliminary number of fatal methamphetamine overdoses increased by 5.1% in 2022 when compared to 2021.

### Total Number of Fatal Methamphetamine Overdoses by Quarter and Year of Death, 2007-2023*

Data for 2023 is a Predicted Total for the Entire Year

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</table>

*Data for 2023 is a Predicted Total for the Entire Year.
Rate groupings are based upon equal numerical range categories; rates based on small case counts (<5 deaths) are not suppressed.
Since 2007, fatal prescription (Rx) opioid overdoses have been the leading category of drugs causing or contributing to death in the Commonwealth, with historically, oxycodone being the most common drug. Given the transition in fatal fentanyl overdoses from pharmaceutically produced fentanyl (2007-2014) to nearly all illicitly produced fentanyl (2015-present), fentanyl needs to be removed from the Rx opioid category and analyzed separately. This allows one to see the significant impact the drug is having on fatal overdose numbers in Virginia. By removing fentanyl from this Rx category, it is to be expected that Rx opioid fatalities from 2007-2013 to be slightly undercounted because true Rx fentanyl overdoses are excluded and combined with all ‘fentanyl’ to capture recent trends of illicit fentanyl in Virginia.

Total Fatalities

Since 2007, fatal prescription (Rx) opioid overdoses have been the leading category of drugs causing or contributing to death in the Commonwealth, with historically, oxycodone being the most common drug. Given the transition in fatal fentanyl overdoses from pharmaceutically produced fentanyl (2007-2014) to nearly all illicitly produced fentanyl (2015-present), fentanyl needs to be removed from the Rx opioid category and analyzed separately. This allows one to see the significant impact the drug is having on fatal overdose numbers in Virginia. By removing fentanyl from this Rx category, it is to be expected that Rx opioid fatalities from 2007-2013 to be slightly undercounted because true Rx fentanyl overdoses are excluded and combined with all ‘fentanyl’ to capture recent trends of illicit fentanyl in Virginia.
PRESCRIPTION OPIOIDS (EXCLUDING FENTANYL)

First Quarter, 2007-2023*

Second Quarter, 2007-2023*

Third Quarter, 2007-2023*

Fourth Quarter, 2007-2023*

Number of Fatalities


First Quarter: 92 114 116 121 115 97 107 130 101 125 121 131 134 99 134 83 82

Second Quarter: 100 107 96 100 86 126 93 119 122 77 107 115 110 113 149 112 90

Third Quarter: 116 116 104 112 149 144 121 125 116 113 138 115 123 120 100 80

Fourth Quarter: 129 108 87

Note: Data points for years 2022 and 2023 are estimated.
Rate of Fatal Rx Opioid Overdoses by Locality of Overdose, 2022

Rate per 100,000*

- 0.0
- 0.9 - 6.5
- 6.6 - 12.2
- 12.3 - 17.8
- 17.9 - 23.5
- 23.6 - 29.1

Source: Virginia Department of Health, Office of the Chief Medical Examiner

* Rate groupings are based upon equal numerical range categories; rates based on small case counts (<5 deaths) are not suppressed
FATAL DRUG OVERDOSES OF SPECIAL INTEREST

• All Opioids (Fentanyl, Heroin, and/or Prescription Opioids)
• Heroin and/or Fentanyl
ALL OPIOIDS

From 2007-2015, opioids (fentanyl, heroin, U-47700, and/or one or more prescription opioids) made up approximately 75% of all fatal drug overdoses annually in Virginia. However, this percentage is increasing each year due to the significant increase in fatal fentanyl and/or heroin overdoses which began in late 2013 and early 2014. In 2022, 81.7% of all fatal overdoses of any substance, were due to one or more opioids. The preliminary number of fatal opioid overdoses in 2022 decreased 3.9% from the previous year.

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1 'All Opioids' include all versions of fentanyl, heroin, prescription opioids, U-47700, and opioids unspecified
2 'Opioids Unspecified' are a small category of deaths in which the determination of heroin and/or one or more prescription opioids cannot be made due to specific circumstances of the death. Most commonly, these circumstances are a result of death several days after an overdose, in which the OCME cannot test for toxicology because the substances have been metabolized out of the decedent’s system.
3 Fatal opioid numbers have changed slightly from past reports due to the removal of fentanyl from the category of prescription opioids, as well as the addition of buprenorphine, levorphanol, meperidine, pentazocine, propoxyphene, and tapentadol added to the list of prescription opioids.
1 'All Opioids’ include all versions of fentanyl, heroin, prescription opioids, U-47700, and opioids unspecified

2 'Opioids Unspecified’ are a small category of deaths in which the determination of heroin and/or one or more prescription opioids cannot be made due to specific circumstances of the death. Most commonly, these circumstances are a result of death several days after an overdose, in which the OCME cannot test for toxicology because the substances have been metabolized out of the decedent’s system.
OPIOIDS VS. NON-OPIOIDS

Total Number of Fatal Opioid Overdoses vs. Non-Opioid Overdoses by Year of Death, 2007-2023*

Data for 2023 is a Predicted Total for the Entire Year

1 'All Opioids' include all versions of fentanyl, heroin, prescription opioids, U-47700, and opioids unspecified
2 'Opioids Unspecified' are a small category of deaths in which the determination of heroin and/or one or more prescription opioids cannot be made due to specific circumstances of the death. Most commonly, these circumstances are a result of death several days after an overdose, in which the OCME cannot test for toxicology because the substances have been metabolized out of the decedent’s system.
Rate of All Fatal Opioid Overdoses by Locality of Overdose, 2022

Rate per 100,000*

- 0.0
- 4.6 - 27.3
- 27.4 - 50.0
- 50.1 - 72.6
- 72.7 - 95.3
- 95.4 - 118.0

Source: Virginia Department of Health, Office of the Chief Medical Examiner

* Rate groupings are based upon equal numerical range categories; rates based on small case counts (<5 deaths) are not suppressed
Prescription opioids are a group of drugs that are commercially made by pharmaceutical companies in certified laboratories that act upon the opioid receptors in the brain. Historically, fentanyl has been one of these drugs. However, in late 2013, early 2014, illicitly made fentanyl began showing up in Virginia and by 2016, most fatal fentanyl overdoses were of illicit production of the drug. Separating fentanyl from the grouping of prescription opioids for this reason demonstrates a slight decrease in fatal prescription opioid overdoses in 2015 and a dramatic increase in the number of fatal fentanyl and/or heroin overdoses. This has caused the significant rise in all fatal opioid overdoses in the Commonwealth since 2012.

Data for 2023 is a Predicted Total for the Entire Year

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1 'All Opioids' include all versions of fentanyl, heroin, prescription opioids, and opioids unspecified
2 Illicit and pharmaceutically produced fatal fentanyl overdoses are represented in this analysis. This includes all different types of fentanyl analogs (acetyl fentanyl, furanyl fentanyl, etc.)
3 'Prescription Opioids (excluding fentanyl)' calculates all deaths in which one or more prescription opioids caused or contributed to death, but excludes fentanyl from the required list of prescription opioid drugs used to calculate the numbers. However, given that some of these deaths have multiple drugs on board, some deaths may have fentanyl in addition to other prescription opioids, and are therefore counted in the total number. Analysis must be done this way because by excluding all deaths in which fentanyl caused or contributed to death, the calculation would also exclude other prescription opioid deaths (oxycodone, methadone, etc.) from the analysis and would thereby undercount the actual number of fatalities due to these true prescription opioids.
ALL OPIOIDS

Total Number of Fatal Opioid Overdoses by Drug Name and Year of Death, 2007-2023*

Data for 2023 is a Predicted Total for the Entire Year

1 Illicit and pharmaceutically produced fatal fentanyl overdoses are represented in this analysis. This includes all different types of fentanyl analogs (acetyl fentanyl, furanyl fentanyl, etc.)
2 Levorphanol, meperidine, pentazocine, propoxyphene, and tapentadol were excluded from this analysis due low annual case counts (<20 deaths)
The total number of fatal fentanyl and/or heroin overdoses have significantly increased since late 2012. It is important to look at these two drugs together because as heroin became more popular in 2010, fentanyl occasionally began showing up as an additive to the heroin. By late 2013 and early 2014, some heroin being sold on the street was actually completely fentanyl, unbeknownst to the user. It is essential to look at these fentanyl (no heroin), heroin (no fentanyl), and fentanyl and heroin combination deaths together because users never know exactly what is in the illegal drugs purchased off the streets. The numbers of fatal fentanyl and/or heroin overdoses decreased 3.2% in 2022 compared to 2021.
FENTANYL AND/OR HEROIN

First Quarter, 2007-2023*

Second Quarter, 2007-2023*

Third Quarter, 2007-2023*

Fourth Quarter, 2007-2023*

Number of Fatalities


0 100 200 300 400 500 600

Fentanyl  Heroin  Fentanyl and Heroin

Fentanyl  Heroin  Fentanyl and Heroin

Fentanyl  Heroin  Fentanyl and Heroin

Fentanyl  Heroin  Fentanyl and Heroin

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Rate of All Fatal Fentanyl and/or Heroin Overdoses by Locality of Overdose, 2022

Rate per 100,000:

- 0
- 3.8 - 25.8
- 25.9 - 47.7
- 47.8 - 69.7
- 69.8 - 91.7
- 91.8 - 113.7

Source: Virginia Department of Health, Office of the Chief Medical Examiner

* Rate groupings are based upon equal numerical range categories; rates based on small case counts (<5 deaths) are not suppressed
ALL DRUGS

Total Number of Fatal Drug Overdoses Drug Name/Category and Year of Death, 2007-2023*

Data for 2023 is a Predicted Total for the Entire Year

1. Deaths may be represented in more than one category due to groupings of drug categories (e.g. heroin)
2. "All Opioids" includes all versions of fentanyl, heroin, prescription opioids, U-47700, and opioids unspecified
3. "Opioids Unspecified" are a small category of deaths in which the determination of heroin and/or one or more prescription opioids cannot be made due to specific circumstances of the death. Most commonly, these circumstances are a result of death several days after an overdose, in which the OCME cannot test for toxicology because the substances have been metabolized out of the decedent’s system.
4. Historically, fentanyl has been categorized as a prescription opioid because it is mass produced by pharmaceutical companies. However, recent law enforcement investigations and toxicology results have demonstrated that several recent fentanyl seizures have not been pharmaceutically produced, but illicitly produced. This illicit form of fentanyl is produced by international drug traffickers who import the drug into the United States and often, mix it into heroin being sold. This illicitly produced fentanyl has been the biggest contributor to the significant increase in the number of fatal opioid overdoses in Virginia.
5. Illicit and pharmaceutically produced fatal fentanyl overdoses are represented in this analysis. This includes all different types of fentanyl analogs (acetyl fentanyl, furanyl fentanyl, etc.)

142 154 161 183 217 172 238 237 181 216 201 185 179 248 282 182 178
155 104 80 93 120 84 137 145 174 292 399 446 488 650 806 983 1050
48 68 43 64 54 50 102 134 225 622 769 813 964 1659 2039 1983 2028
100 89 107 48 101 135 213 241 342 448 558 556 518 408 254 215
6 9 5 1 8 4 10 21 29 51 88 127 198 388 548 576 592
401 422 417 426 496 435 460 499 398 472 507 477 462 497 454 340 336
516 538 530 498 601 572 684 775 812 1138 1229 1215 1298 1915 2229 2141 2185
148 157 150 112 153 185 309 353 471 813 939 961 1073 1702 2058 1992 2036

1 Deaths may be represented in more than one category due to groupings of drug categories (e.g. heroin)
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5 Illicit and pharmaceutically produced fatal fentanyl overdoses are represented in this analysis. This includes all different types of fentanyl analogs (acetyl fentanyl, furanyl fentanyl, etc.)
CONTACT INFORMATION

This report is compiled by the Virginia Department of Health, Office of the Chief Medical Examiner. For additional information regarding these or other statistics, please contact:

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This report and associated spreadsheets of various types of drug deaths by locality and year are available on the OCME website: https://www.vdh.virginia.gov/medical-examiner/forensic-epidemiology/