

# Kentucky Drug Overdose Fatality Surveillance System (DOFSS) Highlights, 2017

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**Kentucky Drug Overdose Fatality Surveillance System (DOFSS) Highlights, 2017**

**Table 1: Top 5 Drug Classes<sup>1</sup> and Top 5 Substances<sup>1</sup> Found in DOFSS Decedent Toxicology Results, 2017**

Class	N (%) <sup>2</sup>	Substance	N (%) <sup>2</sup>
Opioids	1272 (87.4)	Fentanyl	819 (56.3)
Benzodiazepines	619 (42.5)	Morphine	672 (46.2)
Amphetamines	484 (33.3)	Gabapentin	466 (32.0)
Anticonvulsants	475 (32.6)	Methamphetamine	440 (30.2)
Cannabinoids	319 (21.9)	Amphetamine	369 (25.4)

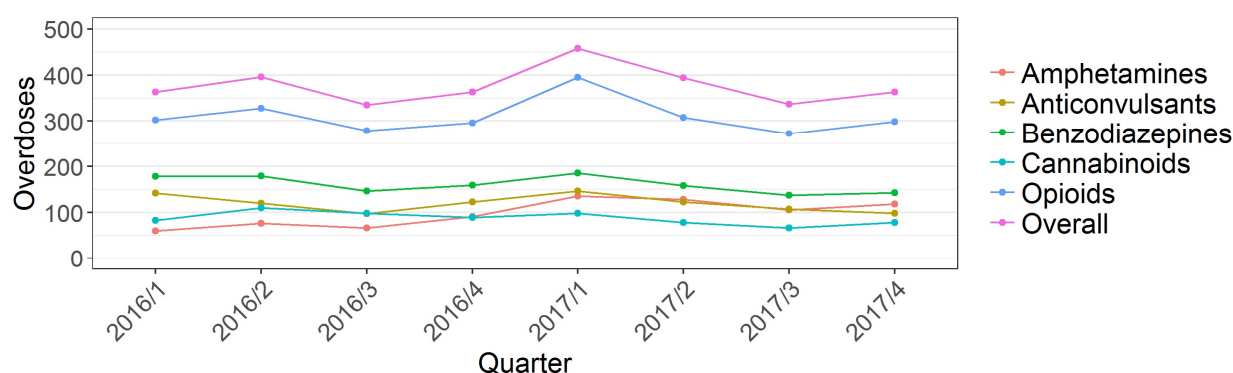
1. Drug classes and substances are not mutually exclusive. For example, an individual can have both an opioid and amphetamine in their toxicology report.
2. Percentage is based off of total number of decedents with toxicology available, n=1,455.

**Table 2: Top 5 Substances<sup>1</sup> Found in DOFSS Decedent Toxicology Results by Age, 2017**

Substance	0-24 (%) N=88	25-34 (%) N=339	35-44 (%) N=431	45-54 (%) N=356	55+ (%) N=241
Fentanyl	59 (67.0)	230 (67.8)	262 (60.8)	162 (45.5)	90 (37.3)
Morphine	51 (58.0)	191 (56.3)	220 (51.0)	129 (36.2)	81 (33.6)
Gabapentin	8 (9.1)	72 (21.2)	126 (29.2)	138 (38.8)	122 (50.6)
Methamphetamine	21 (23.9)	131 (38.6)	140 (32.5)	96 (27.0)	52 (21.6)
Amphetamine	20 (22.7)	112 (33.0)	120 (27.8)	77 (21.6)	40 (16.6)

1. Substances are not mutually exclusive. For example, an individual can have both fentanyl and methamphetamine in their toxicology report.

**Figure 1: Selected Drug Classes<sup>1</sup> Found in DOFSS Decedents by Quarter, 2016-2017**



1. Drug classes are not mutually exclusive. For example, an individual can have both an opioid and amphetamine in their toxicology report.

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**Table 3: History of Mental Illness and Substance Abuse, DOFSS Decedents, 2017**

<b>Circumstance<sup>1</sup></b>	<b>N (%)<sup>2</sup></b>
History of mental illness	193 (12.4)
History of treatment for mental illness	25 (1.6)
History of substance abuse	962 (62.0)
History of treatment for substance abuse	127 (8.2)

1. History of these circumstances identified by coroner investigation report, autopsy report, or medical records.
2. Percentage is based off of total number of DOFSS decedents, n=1,552.

**Table 4: Counts of Kentucky Resident Drug Overdose Fatalities Involving Scheduled Controlled Substances and Non-Scheduled Drugs by Community Mental Health Center (CMHC) Region, 2017<sup>1-3</sup>**

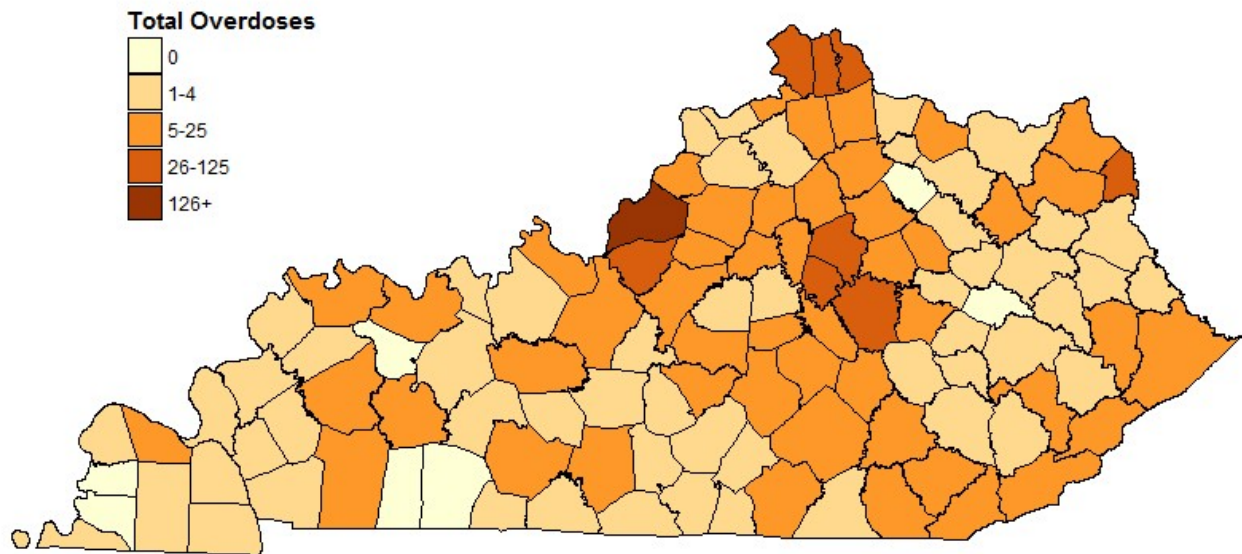
<b>CMHC</b>	<b>Schedule I</b>	<b>Schedule II</b>	<b>Schedule III</b>	<b>Schedule IV</b>	<b>Non-Scheduled</b>
Adanta	10	47	11	23	28
Bluegrass	129	299	20	142	144
Communicare	25	58	<5	28	26
Comprehend	7	19	0	7	7
Cumberland River	11	51	10	36	37
FourRivers	<5	19	<5	15	11
KentuckyRiver	10	19	6	14	15
LifeSkills	13	28	<5	17	22
Mountain	11	28	10	26	27
North Key	95	224	13	81	99
Pathways	32	76	13	41	46
Pennyroyal	<5	18	<5	14	14
River Valley	7	24	<5	14	17
Seven Counties	182	370	15	158	171
<b>Total</b>	<b>538</b>	<b>1280</b>	<b>105</b>	<b>616</b>	<b>664</b>

1. Schedule V excluded due to low counts.
2. Counts less than 5 are suppressed per Kentucky Department for Public Health Guidelines.
3. Drug schedules are not mutually exclusive; for example, a decedent can have both a Schedule I drug and a Schedule III drug in their toxicology report.

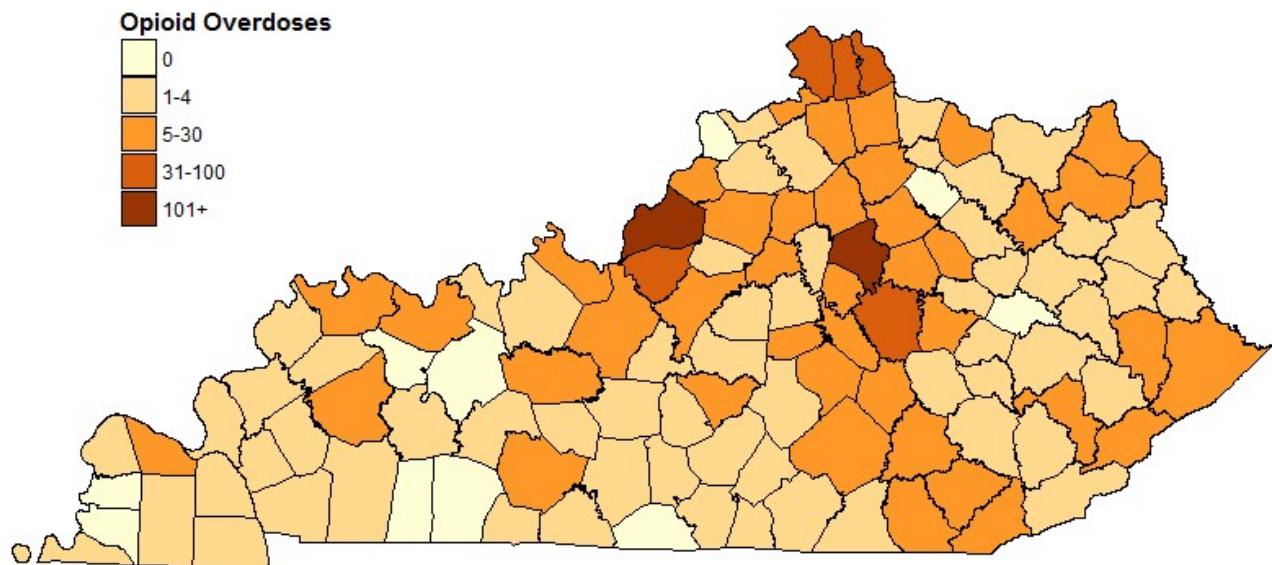
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**Figure 2-6: Counts of Kentucky Resident Drug Overdose Fatalities for Selected Substances by County, 2017**

**Figure 2**



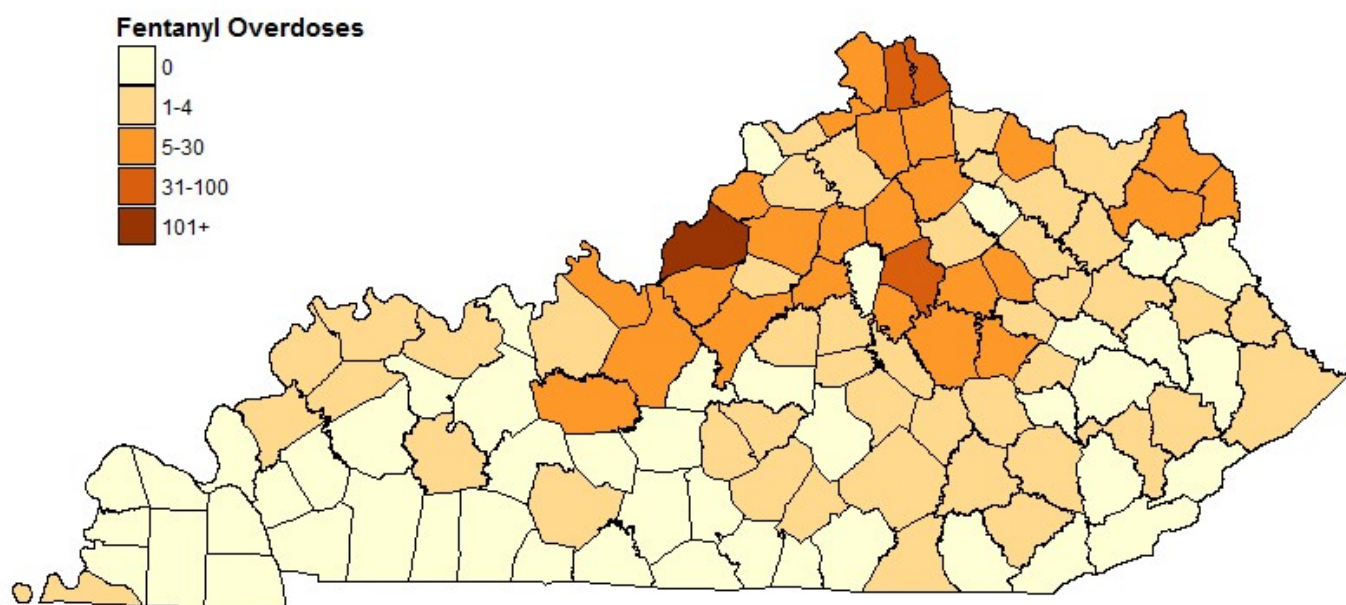
**Figure 3**



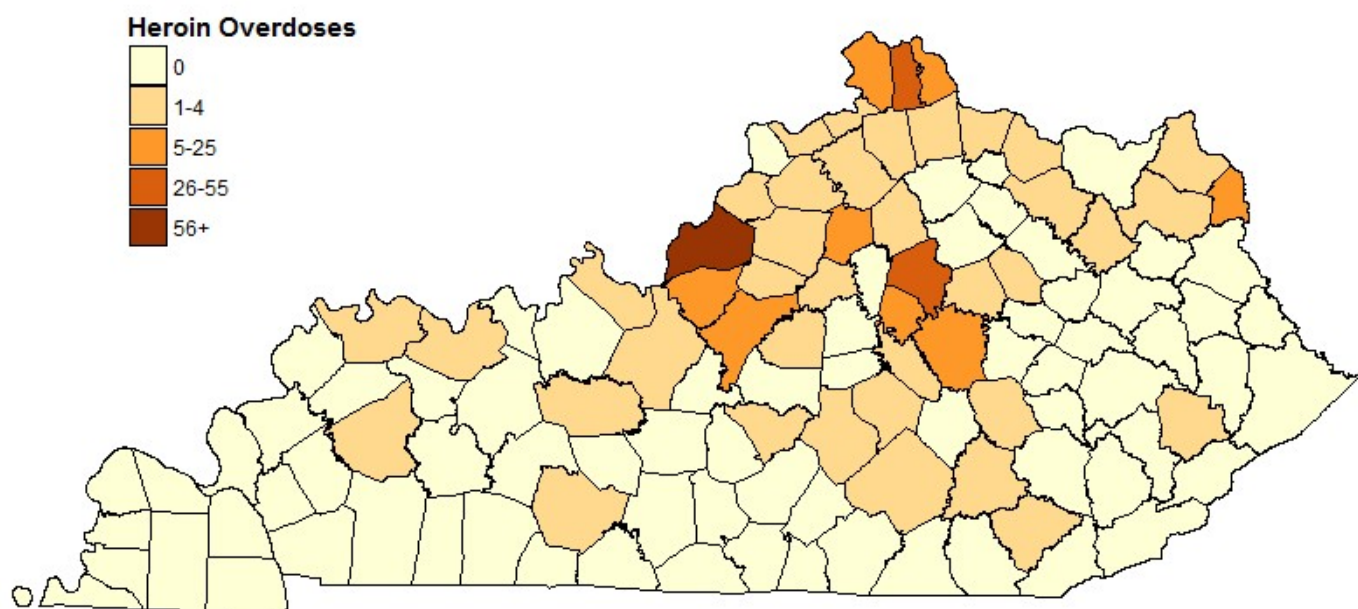


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**Figure 4**

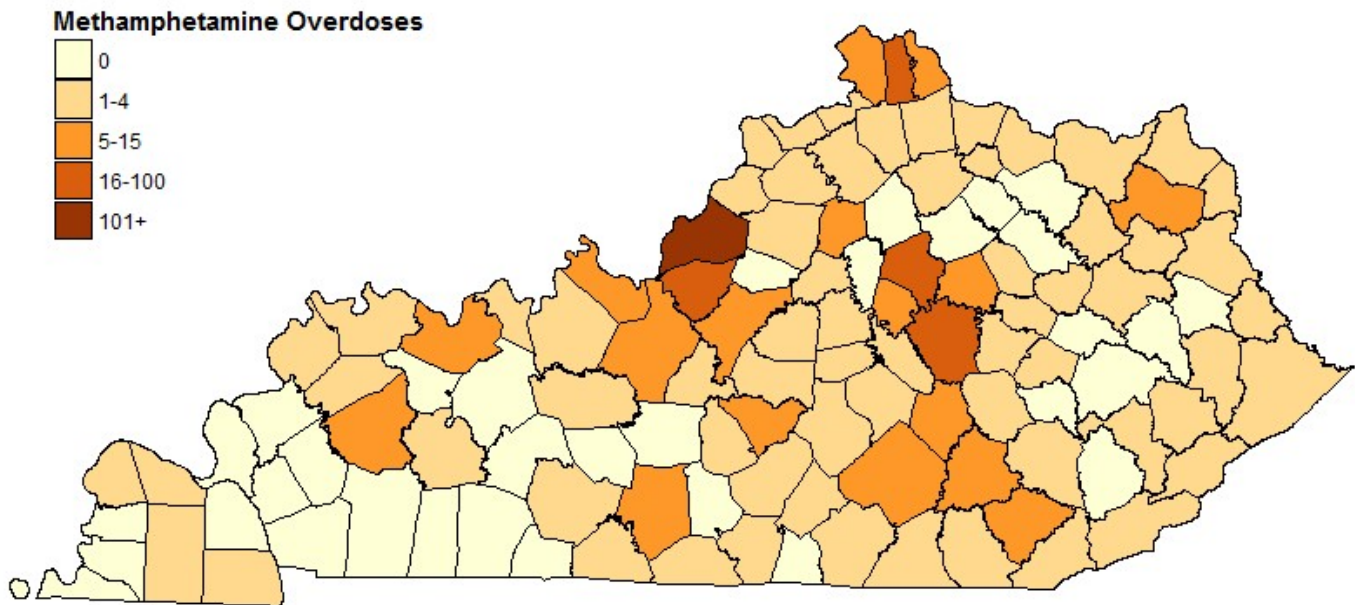


**Figure 5**



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**Figure 6**



Produced by the Kentucky Injury Prevention and Research Center, as bona fide agent for the Kentucky Department for Public Health. December 2018. Data sources: Death Certificates, Kentucky Office of Vital Statistics, Cabinet for Health and Family Services; Post-mortem Toxicology Records and Autopsy Reports, Kentucky State Medical Examiner's Office, Justice and Public Safety Cabinet; Kentucky All Schedule Prescription Electronic Reporting, Office of Inspector General, Cabinet for Health and Family Services; and Kentucky Coroner Investigation Reports, County Coroners' Offices. Data outputs draw from selected DOFSS data sources. Data are provisional and subject to change.