

## **Demographic and Geographic Variation in Fatal Drug Overdose Rates in the United States, 1999-2020**

Shannon M. Monnat  
Lerner Chair in Public Health Promotion and Population Health  
Director, Center for Policy Research  
Professor of Sociology  
Maxwell School of Citizenship and Public Affairs  
Syracuse University  
[smmonnat@syr.edu](mailto:smmonnat@syr.edu)

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**Table A1. Fatal Drug Poisoning Rates and Annual Rates of Change for Males ages 15-24, by Race/Ethnicity, 1999-2020**

Year	Fatal Drug Poisoning Rate (Deaths per 100,000 population)					Annual Percentage Change				
	NH White	NH Black	Hispanic	NH AIAN	NH Asian	NH White	NH Black	Hispanic	NH AIAN	NH Asian
1999	5.4	2.8	3.5	*	*	---	---	---	---	---
2000	7.0	2.2	2.9	*	1.3	29.63	-21.43	-17.14	*	*
2001	8.1	2.6	2.9	*	1.7	15.71	18.18	0.00	*	27.19
2002	9.7	2.8	4.1	7.5	1.3	19.75	7.69	41.38	*	-21.37
2003	12.1	2.3	4.6	6.9	1.3	24.74	-17.86	12.20	-8.01	-2.95
2004	13.5	3.0	4.0	10.4	1.3	11.57	30.43	-13.04	50.94	-2.74
2005	14.0	2.8	4.9	9.3	1.8	3.70	-6.67	22.50	-10.58	42.52
2006	17.4	3.2	4.3	11.0	2.0	24.29	14.29	-12.24	18.28	10.72
2007	17.2	3.3	5.3	14.0	2.1	-1.15	3.12	23.26	27.27	5.00
2008	17.3	2.6	5.1	16.3	1.3	0.58	-21.21	-3.77	16.43	-36.76
2009	16.4	2.3	5.0	16.1	3.0	-5.20	-11.54	-1.96	-1.23	125.90
2010	17.0	3.0	5.1	12.2	1.9	3.66	30.43	2.00	-24.22	-36.67
2011	17.9	3.4	5.8	12.1	3.9	5.29	13.33	13.73	-0.82	105.26
2012	16.6	3.4	4.9	15.1	3.5	-7.26	0.00	-15.52	24.79	-10.26
2013	16.7	3.7	6.0	12.9	3.8	0.60	8.82	22.45	-14.57	8.57
2014	17.4	4.0	6.0	14.2	3.1	4.19	8.11	0.00	10.08	-18.42
2015	18.5	5.3	7.8	13.4	3.5	6.32	32.50	30.00	-5.63	12.90
2016	24.3	8.3	9.3	18.1	6.0	31.35	56.60	19.23	35.07	71.43
2017	23.8	8.4	9.4	19.0	5.4	-2.06	1.20	1.08	4.97	-10.00
2018	19.0	7.9	9.6	19.3	4.9	-20.17	-5.95	2.13	1.58	-9.26
2019	17.9	10.8	13.6	27.6	6.4	-5.79	36.71	41.67	43.01	30.61
2020	25.5	21.6	23.4	31.6	9.4	42.46	100.00	72.06	14.49	46.88
<i>Overall</i>	<i>15.9</i>	<i>5.0</i>	<i>7.0</i>	<i>13.6</i>	<i>3.4</i>					
Average Annual Percentage Change						8.68	13.18	11.43	10.10	16.93
Overall Increase 1999-2020 (Percent)						372.22	671.43	568.57	321.89	600.13

*Data Source:* CDC WONDER, Multiple Cause of Death Files; Includes deaths with an underlying cause ICD-10 code of X40-X44, X60-X64, X85, Y10-Y14.

*Note:* Shaded cells indicate the group with the highest fatal drug poisoning rate and highest annual rate of growth in that year.

\*To conform with CDC suppression rules, rates are not shown for groups in years when there were fewer than 10 deaths in that group. In those cases, the base year for calculating the overall increase is based on the earliest year for which a rate is shown.

**Table A2. Fatal Drug Poisoning Rates and Annual Rates of Change for Females ages 15-24, by Race/Ethnicity, 1999-2020**

Year	Fatal Drug Poisoning Rate (Deaths per 100,000 population)					Annual Percentage Change				
	NH White	NH Black	Hispanic	NH AIAN	NH Asian	NH White	NH Black	Hispanic	NH AIAN	NH Asian
1999	2.3	0.9	1.0	*	1.5	---	---	---	---	---
2000	2.4	1.2	0.7	*	*	4.35	33.33	-30.00	*	*
2001	2.8	0.9	1.2	*	1.1	16.67	-25.00	71.43	*	*
2002	3.8	1.0	1.3	*	*	35.71	11.11	8.33	*	*
2003	4.2	1.1	1.4	*	1.2	10.53	10.00	7.69	*	*
2004	4.5	1.2	1.6	*	1.0	7.14	9.09	14.29	*	*
2005	4.7	1.3	1.7	6.0	1.2	4.44	8.33	6.25	*	*
2006	5.4	1.6	1.8	*	*	14.89	23.08	5.88	*	*
2007	5.8	1.5	1.8	6.8	1.9	7.41	-6.25	0.00	*	*
2008	5.6	1.4	1.7	5.5	1.6	-3.45	-6.67	-5.56	-19.58	-12.17
2009	5.7	1.5	1.6	7.8	1.2	1.79	7.14	-5.88	42.95	-29.53
2010	6.7	1.7	1.6	7.0	1.6	17.54	13.33	0.00	-10.72	35.72
2011	6.7	1.5	2.1	6.9	0.9	0.00	-11.76	31.25	-0.52	-44.55
2012	6.3	1.7	1.8	5.5	1.3	-5.97	13.33	-14.29	-20.38	45.47
2013	6.9	1.7	2.1	6.4	1.3	9.52	0.00	16.67	16.27	-1.35
2014	7.0	2.3	2.5	7.8	1.1	1.45	35.29	19.05	21.66	-9.81
2015	8.2	2.8	2.9	6.0	2.3	17.14	21.74	16.00	-22.96	103.26
2016	9.6	4.2	3.6	8.9	2.1	17.07	50.00	24.14	47.98	-8.70
2017	10.9	5.1	3.7	11.9	2.0	13.54	21.43	2.78	33.71	-4.76
2018	10.0	4.2	3.2	8.7	2.0	-8.26	-17.65	-13.51	-26.93	0.00
2019	9.1	5.5	4.1	12.2	2.0	-9.00	30.95	28.13	40.17	0.00
2020	11.6	9.0	6.3	18.1	3.8	27.47	63.64	53.66	48.36	90.00
<i>Overall</i>	<i>6.3</i>	<i>2.5</i>	<i>2.4</i>	<i>6.7</i>	<i>1.6</i>					
Average Annual Percentage Change						8.57	13.55	11.25	11.54	12.58
Overall Increase 1999-2020 (Percent)						404.35	900.00	530.00	202.79	148.20

*Data Source:* CDC WONDER, Multiple Cause of Death Files; Includes deaths with an underlying cause ICD-10 code of X40-X44, X60-X64, X85, Y10-Y14.

*Note:* Shaded cells indicate the group with the highest fatal drug poisoning rate and highest annual rate of growth in that year.

\*To conform with CDC suppression rules, rates are not shown for groups in years when there were fewer than 10 deaths in that group. In those cases, the base year for calculating the overall increase is based on the earliest year for which a rate is shown.

**Table A3. Fatal Drug Poisoning Rates and Annual Rates of Change for Males ages 25-34, by Race/Ethnicity, 1999-2020**

Year	Fatal Drug Poisoning Rate (Deaths per 100,000 population)					Annual Percentage Change				
	NH White	NH Black	Hispanic	NH AIAN	NH Asian	NH White	NH Black	Hispanic	NH AIAN	NH Asian
1999	12.1	12.2	11.0	12.1	1.8	---	---	---	---	---
2000	12.6	10.6	9.2	13.6	1.3	4.13	-13.11	-16.36	12.40	-26.04
2001	14.4	9.6	8.1	10.9	1.9	14.29	-9.43	-11.96	-19.56	40.98
2002	18.1	11.3	8.8	17.7	2.5	25.69	17.71	8.64	61.79	31.58
2003	19.8	10.1	9.6	20.3	3.1	9.39	-10.62	9.09	14.69	24.00
2004	21.7	10.1	8.6	22.8	1.9	9.60	0.00	-10.42	12.32	-38.71
2005	24.3	12.8	10.1	27.7	2.6	11.98	26.73	17.44	21.49	36.84
2006	30.1	15.6	11.1	33.1	2.4	23.87	21.88	9.90	19.49	-7.69
2007	32.6	11.8	10.4	24.8	2.7	8.31	-24.36	-6.31	-25.08	12.50
2008	32.9	9.9	10.9	35.0	3.2	0.92	-16.10	4.81	41.13	18.52
2009	33.9	10.3	10.2	28.5	3.1	3.04	4.04	-6.42	-18.57	-3.13
2010	35.3	11.0	10.0	28.1	4.1	4.13	6.80	-1.96	-1.40	32.26
2011	39.2	11.2	11.4	30.3	5.0	11.05	1.82	14.00	7.83	21.95
2012	38.3	11.9	10.9	37.5	5.5	-2.30	6.25	-4.39	23.76	10.00
2013	40.3	13.5	12.6	31.8	5.6	5.22	13.45	15.60	-15.20	1.82
2014	45.2	15.0	13.6	46.3	5.6	12.16	11.11	7.94	45.60	0.00
2015	53.5	18.1	16.3	48.7	8.3	18.36	20.67	19.85	5.18	48.21
2016	68.3	27.2	22.8	54.2	8.0	27.66	50.28	39.88	11.29	-3.61
2017	75.5	33.6	25.3	56.6	10.9	10.54	23.53	10.96	4.43	36.25
2018	67.4	33.7	26.5	51.2	9.4	-10.73	0.30	4.74	-9.54	-13.76
2019	65.0	35.9	31.6	62.4	10.7	-3.56	6.53	19.25	21.88	13.83
2020	82.2	60.9	46.7	96.0	14.3	26.46	69.64	47.78	53.85	33.64
<i>Overall</i>	<i>39.6</i>	<i>19.4</i>	<i>16.0</i>	<i>37.7</i>	<i>5.7</i>					
Average Annual Percentage Change						10.01	9.86	8.19	12.75	12.83
Overall Increase 1999-2020 (Percent)						579.34	399.18	324.55	693.39	684.78

*Data Source:* CDC WONDER, Multiple Cause of Death Files; Includes deaths with an underlying cause ICD-10 code of X40-X44, X60-X64, X85, Y10-Y14.

*Note:* Shaded cells indicate the group with the highest fatal drug poisoning rate and highest annual rate of growth in that year.

**Table A4. Fatal Drug Poisoning Rates and Annual Rates of Change for Females ages 25-34, by Race/Ethnicity, 1999-2020**

Year	Fatal Drug Poisoning Rate (Deaths per 100,000 population)					Annual Percentage Change				
	NH White	NH Black	Hispanic	NH AIAN	NH Asian	NH White	NH Black	Hispanic	NH AIAN	NH Asian
1999	5.3	4.6	2.5	6.6	1.0	---	---	---	---	---
2000	5.5	4.0	2.1	4.7	0.9	3.77	-13.04	-16.00	-28.19	-2.45
2001	6.4	4.3	2.5	12.1	1.0	16.36	7.50	19.05	156.19	3.85
2002	8.0	4.7	2.3	9.7	1.4	25.00	9.30	-8.00	-19.50	47.80
2003	9.2	4.9	2.9	13.4	1.4	15.00	4.26	26.09	37.57	-3.33
2004	9.6	4.9	2.6	17.1	1.2	4.35	0.00	-10.34	27.61	-14.40
2005	11.3	6.1	2.8	17.0	1.7	17.71	24.49	7.69	-0.58	44.31
2006	13.3	4.8	3.5	10.3	1.7	17.70	-21.31	25.00	-39.52	0.00
2007	14.4	5.3	3.1	14.3	1.6	8.27	10.42	-11.43	39.08	-5.88
2008	14.0	4.6	3.4	17.5	2.2	-2.78	-13.21	9.68	22.38	37.50
2009	14.7	4.9	3.8	21.1	1.6	5.00	6.52	11.76	20.57	-27.27
2010	16.9	5.6	4.3	25.8	1.3	14.97	14.29	13.16	22.27	-16.75
2011	18.1	6.7	4.5	20.4	2.2	7.10	19.64	4.65	-20.93	65.16
2012	18.7	6.0	4.8	28.2	1.5	3.31	-10.45	6.67	38.24	-31.82
2013	18.3	6.5	4.9	24.0	2.1	-2.14	8.33	2.08	-14.89	40.00
2014	20.0	7.1	5.4	25.1	2.2	9.29	9.23	10.20	4.58	4.76
2015	22.8	7.8	5.5	22.6	2.1	14.00	9.86	1.85	-9.96	-4.55
2016	28.5	11.4	7.0	32.1	2.9	25.00	46.15	27.27	42.04	38.10
2017	31.5	13.8	8.3	30.3	2.2	10.53	21.05	18.57	-5.61	-24.14
2018	29.3	13.7	8.7	26.0	3.3	-6.98	-0.72	4.82	-14.19	50.00
2019	29.0	16.7	8.7	38.5	2.8	-1.02	21.90	0.00	48.08	-15.15
2020	35.3	27.3	12.2	59.7	3.5	21.72	63.47	40.23	55.06	25.00
<i>Overall</i>	<i>17.4</i>	<i>8.4</i>	<i>5.1</i>	<i>22.6</i>	<i>2.0</i>					
Average Annual Percentage Change						9.82	10.37	8.71	17.16	10.04
Overall Increase 1999-2020 (Percent)						566.04	493.48	388.00	807.70	268.15

*Data Source:* CDC WONDER, Multiple Cause of Death Files; Includes deaths with an underlying cause ICD-10 code of X40-X44, X60-X64, X85, Y10-Y14.

*Note:* Shaded cells indicate the group with the highest fatal drug poisoning rate and highest annual rate of growth in that year.

**Table A5. Fatal Drug Poisoning Rates and Annual Rates of Change for Males ages 35-44, by Race/Ethnicity, 1999-2020**

Year	Fatal Drug Poisoning Rate (Deaths per 100,000 population)					Annual Percentage Change				
	NH White	NH Black	Hispanic	NH AIAN	NH Asian	NH White	NH Black	Hispanic	NH AIAN	NH Asian
1999	18.9	24.4	20.7	14.9	2.7	---	---	---	---	---
2000	20.1	23.6	16.7	12.2	3.4	6.35	-3.28	-19.32	-18.12	25.93
2001	22.0	23.1	15.3	14.5	3.1	9.45	-2.12	-8.38	18.85	-8.82
2002	25.6	23.9	17.5	19.8	3.1	16.36	3.46	14.38	36.55	0.00
2003	27.0	23.7	17.0	30.3	2.0	5.47	-0.84	-2.86	53.03	-35.48
2004	27.5	20.7	15.0	32.9	3.1	1.85	-12.66	-11.76	8.58	55.00
2005	28.1	21.9	16.0	27.4	3.6	2.18	5.80	6.67	-16.72	16.13
2006	31.4	28.3	17.5	28.7	3.7	11.74	29.22	9.38	4.74	2.78
2007	32.3	21.5	15.6	27.9	3.7	2.87	-24.03	-10.86	-2.79	0.00
2008	31.6	18.8	14.6	35.5	3.2	-2.17	-12.56	-6.41	27.24	-13.51
2009	31.5	17.1	13.3	54.5	3.8	-0.32	-9.04	-8.90	53.52	18.75
2010	32.3	13.9	12.8	38.9	3.0	2.54	-18.71	-3.76	-28.62	-21.05
2011	34.9	17.1	12.7	44.5	3.9	8.05	23.02	-0.78	14.40	30.00
2012	35.6	16.2	13.9	33.8	5.3	2.01	-5.26	9.45	-24.04	35.90
2013	36.9	19.0	13.8	37.0	5.1	3.65	17.28	-0.72	9.47	-3.77
2014	40.8	19.8	15.6	50.7	4.2	10.57	4.21	13.04	37.03	-17.65
2015	47.9	27.1	17.9	50.5	5.3	17.40	36.87	14.74	-0.39	26.19
2016	61.7	36.5	24.3	48.0	6.7	28.81	34.69	35.75	-4.95	26.42
2017	68.6	47.1	27.4	66.2	8.7	11.18	29.04	12.76	37.92	29.85
2018	67.3	48.0	27.9	72.6	8.8	-1.90	1.91	1.82	9.67	1.15
2019	70.1	58.0	33.8	74.0	10.3	4.16	20.83	21.15	1.93	17.05
2020	92.0	85.6	45.4	101.4	13.6	31.24	47.59	34.32	37.03	32.04
<i>Overall</i>	<i>38.6</i>	<i>29.1</i>	<i>20.0</i>	<i>41.2</i>	<i>5.4</i>					
Average Annual Percentage Change						8.17	7.88	4.75	12.11	10.33
Overall Increase 1999-2020 (Percent)						386.77	250.82	119.32	580.54	403.70

*Data Source:* CDC WONDER, Multiple Cause of Death Files; Includes deaths with an underlying cause ICD-10 code of X40-X44, X60-X64, X85, Y10-Y14.

*Note:* Shaded cells indicate the group with the highest fatal drug poisoning rate and highest annual rate of growth in that year.

**Table A6. Fatal Drug Poisoning Rates and Annual Rates of Change for Females ages 35-44, by Race/Ethnicity, 1999-2020**

Year	Fatal Drug Poisoning Rate (Deaths per 100,000 population)					Annual Percentage Change				
	NH White	NH Black	Hispanic	NH AIAN	NH Asian	NH White	NH Black	Hispanic	NH AIAN	NH Asian
1999	9.3	10.4	4.8	15.5	1.4	---	---	---	---	---
2000	10.0	10.9	4.5	12.5	1.4	7.53	4.81	-6.25	-19.35	-2.53
2001	11.7	11.4	4.5	13.1	1.0	17.00	4.59	0.00	4.80	-31.31
2002	14.8	12.0	5.6	19.6	1.3	26.50	5.26	24.44	49.62	36.00
2003	16.1	12.4	5.5	23.7	1.5	8.78	3.33	-1.79	20.92	10.58
2004	17.9	12.7	5.5	21.3	1.1	11.18	2.42	0.00	-10.13	-21.64
2005	17.9	13.4	5.5	21.5	1.7	0.00	5.51	0.00	0.94	48.22
2006	19.6	13.9	6.0	24.0	2.0	9.50	3.73	9.09	11.63	20.15
2007	20.6	12.0	5.1	24.3	2.6	5.10	-13.67	-15.00	1.25	26.89
2008	22.1	10.2	5.2	23.5	1.4	7.28	-15.00	1.96	-3.29	-47.18
2009	21.3	9.7	5.3	29.8	1.9	-3.62	-4.90	1.92	26.81	39.91
2010	22.9	9.9	5.6	27.2	1.6	7.51	2.06	5.66	-8.72	-15.79
2011	24.7	10.4	6.9	34.8	3.0	7.86	5.05	23.21	27.94	87.50
2012	23.3	10.6	6.4	34.9	2.1	-5.67	1.92	-7.25	0.29	-30.00
2013	25.2	10.2	6.5	36.8	1.6	8.15	-3.77	1.56	5.44	-23.81
2014	27.0	12.3	5.9	38.1	2.7	7.14	20.59	-9.23	3.53	68.75
2015	29.2	12.6	6.8	29.5	1.7	8.15	2.44	15.25	-22.57	-37.04
2016	32.6	17.2	7.8	38.4	1.8	11.64	36.51	14.71	30.17	5.88
2017	35.5	18.6	8.0	40.0	2.8	8.90	8.14	2.56	4.17	55.56
2018	33.9	18.7	8.4	43.7	2.9	-4.51	0.54	5.00	9.25	3.57
2019	33.1	22.1	9.1	44.3	2.2	-2.36	18.18	8.33	1.37	-24.14
2020	42.6	32.3	12.7	65.9	3.9	28.70	46.15	39.56	48.76	77.27
<i>Overall</i>	<i>22.3</i>	<i>13.8</i>	<i>6.7</i>	<i>29.7</i>	<i>2.1</i>					
Average Annual Percentage Change						7.85	6.38	5.42	8.71	11.75
Overall Increase 1999-2020 (Percent)						358.06	210.58	164.58	325.16	170.45

*Data Source:* CDC WONDER, Multiple Cause of Death Files; Includes deaths with an underlying cause ICD-10 code of X40-X44, X60-X64, X85, Y10-Y14.

*Note:* Shaded cells indicate the group with the highest fatal drug poisoning rate and highest annual rate of growth in that year.

**Table A7. Fatal Drug Poisoning Rates and Annual Rates of Change for Males ages 45-54, by Race/Ethnicity, 1999-2020**

Year	Fatal Drug Poisoning Rate (Deaths per 100,000 population)					Annual Percentage Change				
	NH White	NH Black	Hispanic	NH AIAN	NH Asian	NH White	NH Black	Hispanic	NH AIAN	NH Asian
1999	13.3	30.4	17.4	10.0	2.3	---	---	---	---	---
2000	14.4	29.8	14.5	13.1	2.3	8.27	-1.97	-16.67	30.57	1.32
2001	16.0	30.8	13.9	15.3	1.8	11.11	3.36	-4.14	16.60	-24.33
2002	20.0	30.7	17.4	17.7	2.1	25.00	-0.32	25.18	15.69	17.52
2003	22.8	30.5	18.3	19.8	3.7	14.00	-0.65	5.17	11.86	79.50
2004	24.8	30.3	15.0	25.1	4.2	8.77	-0.66	-18.03	26.77	13.51
2005	26.5	35.1	18.0	31.3	3.7	6.85	15.84	20.00	24.70	-11.90
2006	30.6	41.3	19.8	34.2	4.2	15.47	17.66	10.00	9.27	13.51
2007	31.3	34.8	20.2	19.7	3.1	2.29	-15.74	2.02	-42.40	-26.19
2008	32.8	28.7	18.1	33.4	4.4	4.79	-17.53	-10.40	69.54	41.94
2009	32.5	27.2	17.6	35.2	4.5	-0.91	-5.23	-2.76	5.39	2.27
2010	32.8	24.2	14.8	36.8	4.9	0.92	-11.03	-15.91	4.55	8.89
2011	35.2	25.8	17.1	33.9	3.8	7.32	6.61	15.54	-7.88	-22.45
2012	35.1	26.0	17.9	37.8	4.3	-0.28	0.78	4.68	11.50	13.16
2013	36.5	27.6	18.8	40.7	4.3	3.99	6.15	5.03	7.67	0.00
2014	38.5	31.6	17.1	36.9	5.1	5.48	14.49	-9.04	-9.34	18.60
2015	41.1	34.2	18.9	41.6	5.4	6.75	8.23	10.53	12.74	5.88
2016	47.8	51.3	24.2	51.8	6.6	16.30	50.00	28.04	24.52	22.22
2017	53.5	62.7	29.7	50.9	7.4	11.92	22.22	22.73	-1.74	12.12
2018	50.2	63.5	29.8	57.0	7.9	-6.17	1.28	0.34	11.98	6.76
2019	52.8	74.2	30.5	60.8	8.5	5.18	16.85	2.35	6.67	7.59
2020	68.2	102.3	41.3	86.1	13.2	29.17	37.87	35.41	41.61	55.29
<i>Overall</i>	<i>33.8</i>	<i>39.9</i>	<i>21.7</i>	<i>36.3</i>	<i>5.3</i>					
Average Annual Percentage Change						8.39	7.06	5.24	12.87	11.20
Overall Increase 1999-2020 (Percent)						412.78	236.51	137.36	756.75	476.98

*Data Source:* CDC WONDER, Multiple Cause of Death Files; Includes deaths with an underlying cause ICD-10 code of X40-X44, X60-X64, X85, Y10-Y14.

*Note:* Shaded cells indicate the group with the highest fatal drug poisoning rate and highest annual rate of growth in that year.

**Table A8. Fatal Drug Poisoning Rates and Annual Rates of Change for Females ages 45-54, by Race/Ethnicity, 1999-2020**

Year	Fatal Drug Poisoning Rate (Deaths per 100,000 population)					Annual Percentage Change				
	NH White	NH Black	Hispanic	NH AIAN	NH Asian	NH White	NH Black	Hispanic	NH AIAN	NH Asian
1999	7.6	8.3	4.4	*	*	---	---	---	---	---
2000	8.1	9.5	3.4	*	*	6.58	14.46	-22.73	*	*
2001	9.9	10.0	4.2	9.7	1.0	22.22	5.26	23.53	*	*
2002	13.4	13.4	5.8	13.1	1.4	35.35	34.00	38.10	35.55	37.86
2003	14.9	14.0	6.5	13.3	1.5	11.19	4.48	12.07	1.53	3.28
2004	17.0	14.4	6.5	17.7	1.9	14.09	2.86	0.00	33.08	24.05
2005	18.8	15.7	6.9	22.9	1.9	10.59	9.03	6.15	29.38	1.85
2006	21.3	17.1	8.0	23.4	2.9	13.30	8.92	15.94	2.18	53.61
2007	24.8	17.9	7.0	28.9	2.0	16.43	4.68	-12.50	23.50	-31.03
2008	25.4	15.2	7.3	25.8	2.2	2.42	-15.08	4.29	-10.73	10.00
2009	26.0	16.9	8.7	27.6	1.4	2.36	11.18	19.18	6.98	-37.22
2010	26.6	15.7	7.6	29.6	2.7	2.31	-7.10	-12.64	7.25	95.50
2011	28.7	14.6	8.3	31.9	2.6	7.89	-7.01	9.21	7.77	-3.70
2012	28.8	16.1	9.5	34.9	2.4	0.35	10.27	14.46	9.40	-7.69
2013	29.4	16.4	9.1	34.4	3.7	2.08	1.86	-4.21	-1.43	54.17
2014	29.9	16.5	9.0	29.3	3.1	1.70	0.61	-1.10	-14.83	-16.22
2015	31.6	18.8	9.0	40.5	2.0	5.69	13.94	0.00	38.23	-35.48
2016	33.6	23.0	9.1	38.3	2.7	6.33	22.34	1.11	-5.43	35.00
2017	34.6	26.6	9.1	41.3	2.5	2.98	15.65	0.00	7.83	-7.41
2018	31.2	24.3	8.2	42.7	3.7	-9.83	-8.65	-9.89	3.39	48.00
2019	31.0	27.1	9.8	41.8	4.2	-0.64	11.52	19.51	-2.11	13.51
2020	36.5	34.4	12.1	55.5	3.7	17.74	26.94	23.47	32.78	-11.90
<i>Overall</i>	<i>23.8</i>	<i>17.8</i>	<i>8.2</i>	<i>28.4</i>	<i>2.5</i>					
Average Annual Percentage Change						8.15	7.63	5.90	10.75	11.90
Overall Increase 1999-2020 (Percent)						380.26	314.46	175.00	474.28	252.57

*Data Source:* CDC WONDER, Multiple Cause of Death Files; Includes deaths with an underlying cause ICD-10 code of X40-X44, X60-X64, X85, Y10-Y14.

*Note:* Shaded cells indicate the group with the highest fatal drug poisoning rate and highest annual rate of growth in that year.

\*To conform with CDC suppression rules, rates are not shown for groups in years when there were fewer than 10 deaths in that group. In those cases, the base year for calculating the overall increase is based on the earliest year for which a rate is shown.

**Table A9. Fatal Drug Poisoning Rates and Annual Rates of Change for Males ages 55-64, by Race/Ethnicity, 1999-2020**

Year	Fatal Drug Poisoning Rate (Deaths per 100,000 population)					Annual Percentage Change				
	NH White	NH Black	Hispanic	NH AIAN	NH Asian	NH White	NH Black	Hispanic	NH AIAN	NH Asian
1999	4.0	11.3	6.5	*	*	---	---	---	---	---
2000	3.9	9.4	5.0	*	*	-2.50	-16.81	-23.08	*	*
2001	4.5	11.7	5.8	*	*	15.38	24.47	16.00	*	*
2002	6.1	15.0	6.8	*	*	35.56	28.21	17.24	*	*
2003	7.4	13.3	8.3	*	*	21.31	-11.33	22.06	*	*
2004	7.7	17.5	9.2	12.6	2.5	4.05	31.58	10.84	*	*
2005	9.7	21.8	10.3	*	*	25.97	24.57	11.96	*	*
2006	11.0	25.7	12.3	17.1	2.2	13.40	17.89	19.42	*	*
2007	13.4	25.8	9.9	11.9	3.5	21.82	0.39	-19.51	-30.74	59.68
2008	14.5	24.4	11.5	18.4	1.8	8.21	-5.43	16.16	55.49	-48.57
2009	15.6	25.7	12.7	16.0	2.4	7.59	5.33	10.43	-13.14	34.05
2010	17.6	25.0	11.1	17.9	2.7	12.82	-2.72	-12.60	11.83	12.65
2011	18.7	26.8	12.1	22.3	4.6	6.25	7.20	9.01	24.58	70.37
2012	19.6	28.1	13.8	19.6	2.4	4.81	4.85	14.05	-12.11	-47.83
2013	22.9	34.9	15.3	19.0	2.7	16.84	24.20	10.87	-3.06	12.50
2014	24.1	33.4	14.6	31.3	4.0	5.24	-4.30	-4.58	64.74	48.15
2015	26.1	40.7	17.3	30.5	5.5	8.30	21.86	18.49	-2.56	37.50
2016	31.7	55.6	19.1	34.5	5.3	21.46	36.61	10.40	13.11	-3.64
2017	34.6	70.9	21.7	32.5	4.9	9.15	27.52	13.61	-5.80	-7.55
2018	34.4	76.0	25.3	43.7	6.9	-0.58	7.19	16.59	34.46	40.82
2019	37.7	85.9	31.5	37.3	7.3	9.59	13.03	24.51	-14.65	5.80
2020	46.8	114.0	39.8	55.1	9.8	24.14	32.71	26.35	47.72	34.25
<i>Overall</i>	<i>20.2</i>	<i>41.7</i>	<i>17.3</i>	<i>23.6</i>	<i>4.1</i>					
Average Annual Percentage Change						12.80	12.71	9.92	12.13	17.73
Overall Increase 1999-2020 (Percent)						1070.00	908.85	512.31	337.49	294.55

*Data Source:* CDC WONDER, Multiple Cause of Death Files; Includes deaths with an underlying cause ICD-10 code of X40-X44, X60-X64, X85, Y10-Y14.

*Note:* Shaded cells indicate the group with the highest fatal drug poisoning rate and highest annual rate of growth in that year.

\*To conform with CDC suppression rules, rates are not shown for groups in years when there were fewer than 10 deaths in that group. In those cases, the base year for calculating the overall increase is based on the earliest year for which a rate is shown.

**Table A10. Fatal Drug Poisoning Rates and Annual Rates of Change for Females ages 55-64, by Race/Ethnicity, 1999-2020**

Year	Fatal Drug Poisoning Rate (Deaths per 100,000 population)					Annual Percentage Change				
	NH White	NH Black	Hispanic	NH AIAN	NH Asian	NH White	NH Black	Hispanic	NH AIAN	NH Asian
1999	3.9	1.8	1.7	*	*	---	---	---	---	---
2000	4.4	2.3	2.6	*	*	12.82	27.78	50.59	*	*
2001	4.8	2.9	1.8	*	*	9.09	26.09	-32.53	*	*
2002	5.9	3.9	2.5	*	*	22.92	34.48	42.51	*	*
2003	6.9	4.0	2.5	10.3	2.1	16.95	2.56	0.00	*	*
2004	7.8	5.3	3.9	10.7	1.6	13.04	32.50	56.00	4.13	-23.16
2005	8.5	6.5	2.8	*	*	8.97	22.64	-28.21	*	*
2006	10.0	7.5	3.7	9.6	*	17.65	15.38	32.14	*	*
2007	11.7	9.1	4.9	25.1	1.3	17.00	21.33	32.43	160.62	*
2008	12.8	8.3	4.3	13.6	*	9.40	-8.79	-12.24	-45.70	*
2009	13.5	8.5	4.0	11.5	1.6	5.47	2.41	-6.98	-15.57	*
2010	14.8	9.9	5.5	16.3	2.5	9.63	16.47	37.50	41.54	50.08
2011	15.3	11.3	6.3	19.5	1.6	3.38	14.14	14.55	19.63	-35.89
2012	16.3	10.8	5.2	22.9	2.1	6.54	-4.42	-17.46	17.44	34.02
2013	18.6	12.4	6.1	25.4	1.4	14.11	14.81	17.31	10.92	-31.28
2014	20.0	14.8	6.4	19.0	1.9	7.53	19.35	4.92	-25.20	34.15
2015	20.7	14.2	6.9	22.7	1.1	3.50	-4.05	7.81	19.47	-45.01
2016	22.1	19.9	8.4	22.6	2.4	6.76	40.14	21.74	-0.44	124.78
2017	23.3	21.9	7.4	18.1	2.4	5.43	10.05	-11.90	-19.91	0.00
2018	22.0	24.7	9.2	26.4	2.1	-5.58	12.79	24.32	45.86	-12.50
2019	22.1	25.7	9.3	27.3	1.9	0.45	4.05	1.09	3.41	-9.52
2020	25.1	33.1	10.3	30.6	2.7	13.57	28.79	10.75	12.09	42.11
<i>Overall</i>	<i>15.0</i>	<i>13.6</i>	<i>6.1</i>	<i>17.9</i>	<i>1.8</i>					
Average Annual Percentage Change						9.46	15.64	11.64	15.22	10.65
Overall Increase 1999-2020 (Percent)						543.59	1738.89	496.58	198.26	26.71

*Data Source:* CDC WONDER, Multiple Cause of Death Files; Includes deaths with an underlying cause ICD-10 code of X40-X44, X60-X64, X85, Y10-Y14.

*Note:* Shaded cells indicate the group with the highest fatal drug poisoning rate and highest annual rate of growth in that year.

\*To conform with CDC suppression rules, rates are not shown for groups in years when there were fewer than 10 deaths in that group. In those cases, the base year for calculating the overall increase is based on the earliest year for which a rate is shown.

**Table A11. Fatal Drug Poisoning Rates and Annual Rates of Change for Males ages 65+, by Race/Ethnicity, 1999-2020**

Year	Fatal Drug Poisoning Rate (Deaths per 100,000 population)					Annual Percentage Change				
	NH White	NH Black	Hispanic	NH AIAN	NH Asian	NH White	NH Black	Hispanic	NH AIAN	NH Asian
1999	2.8	3.2	2.9	*	*	---	---	---	---	---
2000	2.5	3.7	2.1	*	*	-10.71	15.63	-28.84	*	*
2001	2.7	3.8	2.5	*	*	8.00	2.70	19.25	*	*
2002	3.0	3.3	3.1	*	3.1	11.11	-13.16	25.97	*	*
2003	2.9	5.6	3.2	*	*	-3.33	69.70	3.23	*	*
2004	2.9	4.8	3.5	*	*	0.00	-14.29	9.37	*	*
2005	3.4	5.4	3.2	*	2.4	17.24	12.50	-8.57	*	*
2006	3.4	5.9	2.8	*	*	0.00	9.26	-12.50	*	*
2007	3.9	6.4	3.6	*	*	14.71	8.47	28.57	*	*
2008	4.1	6.5	3.3	*	*	5.13	1.56	-8.33	*	*
2009	4.5	5.5	3.4	*	2.5	9.76	-15.38	3.03	*	*
2010	4.2	6.7	3.7	*	1.7	-6.67	21.82	8.82	*	-29.59
2011	4.8	5.8	2.8	*	1.8	14.29	-13.43	-24.32	*	1.43
2012	5.2	7.3	3.9	*	2.2	8.33	25.86	39.29	*	24.25
2013	5.7	9.9	4.5	*	1.9	9.62	35.62	15.38	*	-12.95
2014	5.8	10.2	4.6	*	2.0	1.75	3.03	2.22	*	4.75
2015	6.5	13.1	5.2	*	2.5	12.07	28.43	13.04	*	25.72
2016	6.8	19.7	4.9	*	2.2	4.62	50.38	-5.77	*	-12.95
2017	7.4	24.9	6.8	*	1.5	8.82	26.40	38.78	*	-28.82
2018	8.4	30.8	7.9	9.9	2.8	13.51	23.69	16.18	*	80.93
2019	9.3	36.2	8.7	8.7	2.3	10.71	17.53	10.13	-11.63	-17.86
2020	10.4	47.4	11.3	12.8	3.4	11.83	30.94	29.89	46.38	47.83
<i>Overall</i>	<i>5.4</i>	<i>14.6</i>	<i>5.1</i>	<i>6.1</i>	<i>2.1</i>					
Average Annual Percentage Change						6.70	15.58	8.32	17.38	7.52
Overall Increase 1999-2020 (Percent)						271.43	1381.25	289.66		8.30

*Data Source:* CDC WONDER, Multiple Cause of Death Files; Includes deaths with an underlying cause ICD-10 code of X40-X44, X60-X64, X85, Y10-Y14.

*Note:* Shaded cells indicate the group with the highest fatal drug poisoning rate and highest annual rate of growth in that year.

\*To conform with CDC suppression rules, rates are not shown for groups in years when there were fewer than 10 deaths in that group. In those cases, the base year for calculating the overall increase is based on the earliest year for which a rate is shown.

**Table A12. Fatal Drug Poisoning Rates and Annual Rates of Change for Females ages 65+, by Race/Ethnicity, 1999-2020**

Year	Fatal Drug Poisoning Rate (Deaths per 100,000 population)					Annual Percentage Change				
	NH White	NH Black	Hispanic	NH AIAN	NH Asian	NH White	NH Black	Hispanic	NH AIAN	NH Asian
1999	2.8	1.9	1.2	*	*	---	---	---	---	---
2000	2.6	1.7	1.3	*	*	-7.14	-10.53	3.89	*	*
2001	2.6	1.9	1.4	*	*	0.00	11.76	8.70	*	*
2002	3.1	1.4	2.0	*	2.0	19.23	-26.32	42.48	*	*
2003	3.2	1.6	1.8	*	*	3.23	14.29	-10.00	*	*
2004	3.3	1.8	1.9	*	1.6	3.12	12.50	5.56	*	*
2005	3.4	1.8	2.3	*	1.5	3.03	0.00	21.05	*	-5.34
2006	3.8	2.5	2.1	*	2.3	11.76	38.89	-8.70	*	51.92
2007	4.0	2.5	1.2	*	1.4	5.26	0.00	-42.14	*	-40.63
2008	4.4	2.3	2.3	*	1.3	10.00	-8.00	89.29	*	-4.91
2009	4.8	2.0	2.7	*	2.2	9.09	-13.04	17.39	*	70.94
2010	4.7	2.3	2.9	*	1.3	-2.08	15.00	7.41	*	-41.27
2011	5.0	2.6	2.6	*	1.6	6.38	13.04	-10.34	*	18.64
2012	5.2	2.5	2.3	*	1.4	4.00	-3.85	-11.54	*	-13.64
2013	5.4	2.7	2.5	*	1.0	3.85	8.00	8.70	*	-28.43
2014	5.9	3.2	2.3	*	1.3	9.26	18.52	-8.00	*	38.88
2015	5.5	3.4	2.4	*	1.8	-6.78	6.25	4.35	*	36.24
2016	5.7	4.2	2.1	8.9	1.2	3.64	23.53	-12.50	*	-35.16
2017	6.2	4.4	2.4	*	2.2	8.77	4.76	14.29	*	86.62
2018	6.1	5.7	2.7	*	1.3	-1.61	29.55	12.50	*	-39.62
2019	6.2	6.8	2.4	9.8	1.5	1.64	19.30	-11.11	*	12.09
2020	6.3	7.9	3.0	*	2.2	1.61	16.18	25.00	*	46.67
<i>Overall</i>	<i>4.7</i>	<i>3.4</i>	<i>2.3</i>	<i>4.6</i>	<i>1.6</i>					
Average Annual Percentage Change						4.11	8.09	6.97		9.56
Overall Increase 1999-2020 (Percent)						125.00	315.79	141.36		11.29

*Data Source:* CDC WONDER, Multiple Cause of Death Files; Includes deaths with an underlying cause ICD-10 code of X40-X44, X60-X64, X85, Y10-Y14.

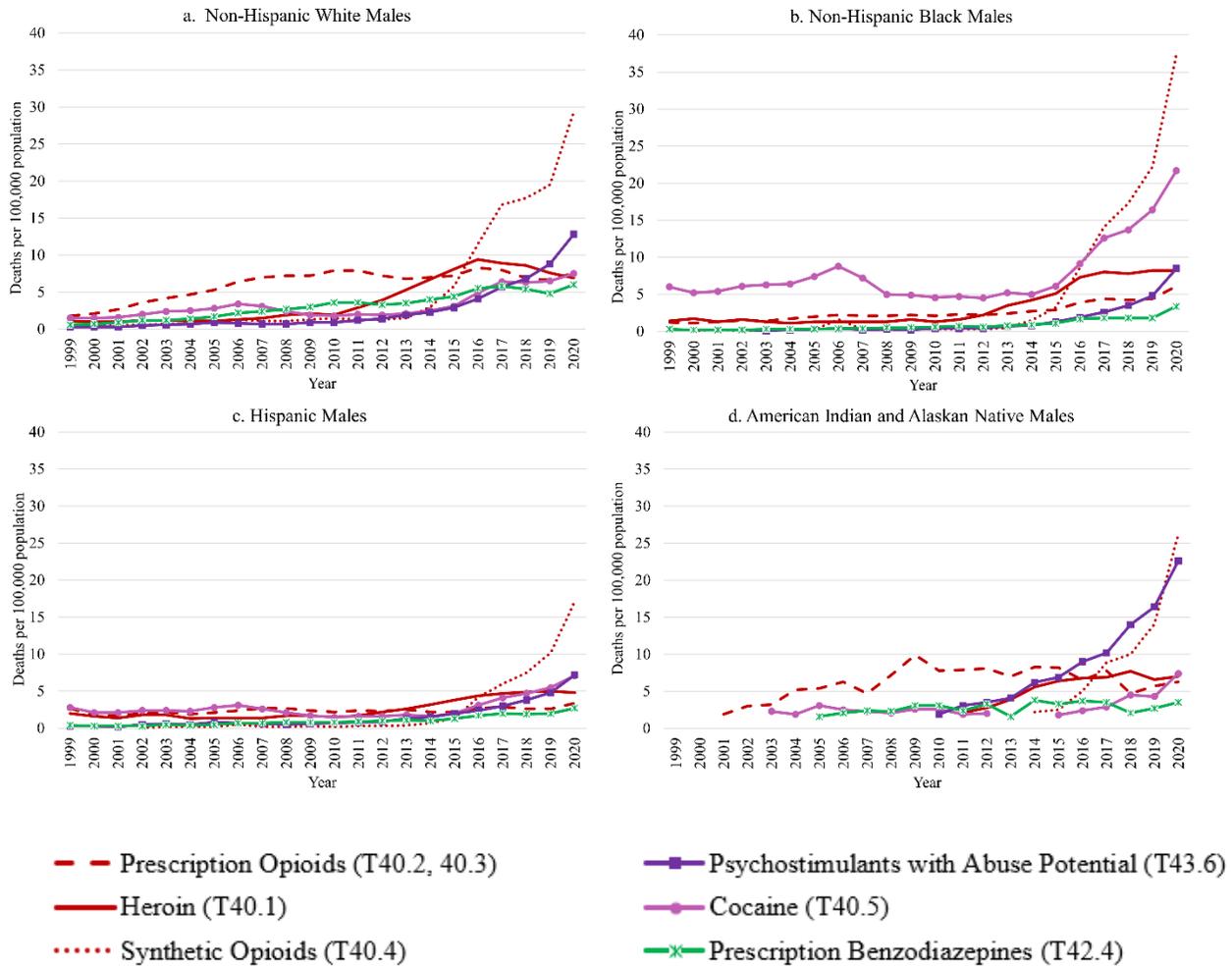
*Note:* Shaded cells indicate the group with the highest fatal drug poisoning rate and highest annual rate of growth in that year.

\*To conform with CDC suppression rules, rates are not shown for groups in years when there were fewer than 10 deaths in that group. In those cases, the base year for calculating the overall increase is based on the earliest year for which a rate is shown.



**Table A13. Demographic Ranking of Overall Fatal Drug Poisoning Rates (deaths per 100,000 population), 1999-2020**

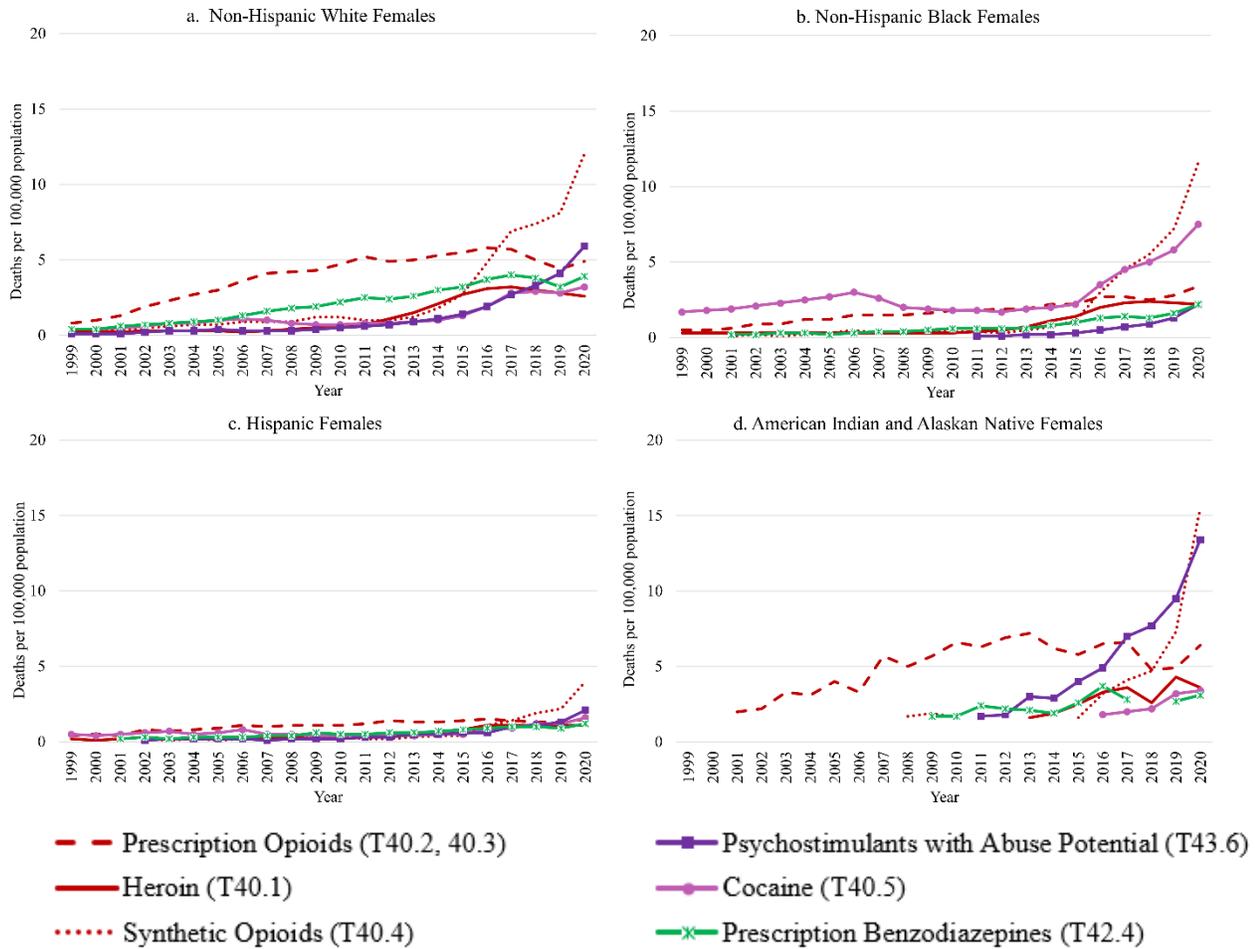
1	Black Male ages 55-64	41.7	31	Black Female ages 25-34	8.4
2	AIAN Male ages 35-44	41.2	32	Hispanic Female ages 45-54	8.2
3	Black Male ages 45-54	39.9	33	Hispanic Male ages 15-24	7.0
4	White Male ages 25-34	39.6	34	AIAN Female ages 15-24	6.7
5	White Male ages 35-44	38.6	35	Hispanic Female ages 35-44	6.7
6	AIAN Male ages 25-34	37.7	36	White Female ages 15-24	6.3
7	AIAN Male ages 45-54	36.3	37	Hispanic Female ages 55-64	6.1
8	White Male ages 45-54	33.8	38	AIAN Male ages 65+	6.1
9	AIAN Female ages 35-44	29.7	39	Asian Male ages 25-34	5.7
10	Black Male ages 35-44	29.1	40	Asian Male ages 35-44	5.4
11	AIAN Female ages 45-54	28.4	41	White Male ages 65+	5.4
12	White Female ages 45-54	23.8	42	Asian Male ages 45-54	5.3
13	AIAN Male ages 55-64	23.6	43	Hispanic Female ages 25-34	5.1
14	AIAN Female ages 25-34	22.6	44	Hispanic Male ages 65+	5.1
15	White Female ages 35-44	22.3	45	Black Male ages 15-24	5.0
16	Hispanic Male ages 45-54	21.7	46	White Female ages 65+	4.7
17	White Male ages 55-64	20.2	47	AIAN Female ages 65+	4.6
18	Hispanic Male ages 35-44	20.0	48	Asian Male ages 55-64	4.1
19	Black Male ages 25-34	19.4	49	Asian Male ages 15-24	3.4
20	AIAN Female ages 55-64	17.9	50	Black Female ages 65+	3.4
21	Black Female ages 45-54	17.8	51	Black Female ages 15-24	2.5
22	White Female ages 25-34	17.4	52	Asian Female ages 45-54	2.5
23	Hispanic Male ages 55-64	17.3	53	Hispanic Female ages 15-24	2.4
24	Hispanic Male ages 25-34	16.0	54	Hispanic Female ages 65+	2.3
25	White Male ages 15-24	15.9	55	Asian Female ages 35-44	2.1
26	White Female ages 55-64	15.0	56	Asian Male ages 65+	2.1
27	Black Male ages 65+	14.6	57	Asian Female ages 25-34	2.0
28	Black Female ages 35-44	13.8	58	Asian Female ages 55-64	1.8
29	AIAN Male ages 15-24	13.6	59	Asian Female ages 15-24	1.6
30	Black Female ages 55-64	13.6	60	Asian Female ages 65+	1.6



**Figure A1. Fatal Drug Poisoning Rates by Drug Type for Males by Race/Ethnicity, 1999-2020**

*Data Source:* CDC WONDER, Multiple Cause of Death Files

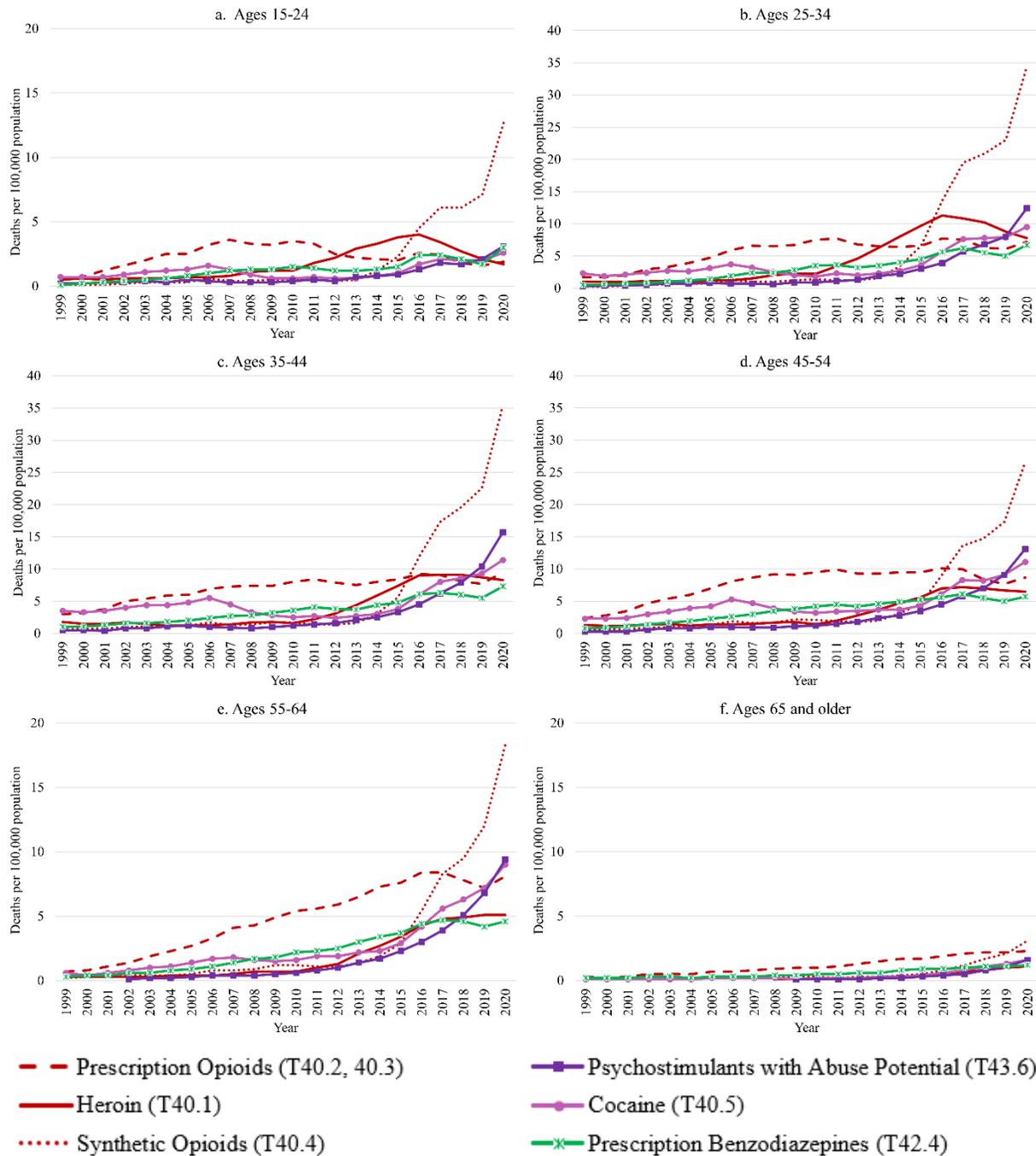
*Notes:* Rates are age-adjusted; Includes deaths with an underlying cause ICD-10 code of X40-X44, X60-X64, X85, Y10-Y14. T-codes represent the drug involved in the overdose, based on multiple cause of death coding. Categories are not mutually exclusive because deaths may involve more than one drug. Asians are excluded due to small death counts by drug type. To conform with CDC suppression rules, rates are not shown for certain groups in years when there were fewer than 20 deaths in that group.



**Figure A2. Fatal Drug Poisoning Rates by Drug Type for Females by Race/Ethnicity, 1999-2020**

*Data Source:* CDC WONDER, Multiple Cause of Death Files

*Notes:* Rates are age-adjusted; Includes deaths with an underlying cause ICD-10 code of X40-X44, X60-X64, X85, Y10-Y14. T-codes represent the drug involved in the overdose, based on multiple cause of death coding. Categories are not mutually exclusive because deaths may involve more than one drug. Asians are excluded due to small death counts by drug type. To conform with CDC suppression rules, rates are not shown for certain groups in years when there were fewer than 20 deaths in that group.



**Figure A3. Fatal Drug Poisonings by Drug Type by Age Group, 1999-2020**

Data Source: CDC WONDER, Multiple Cause of Death Files

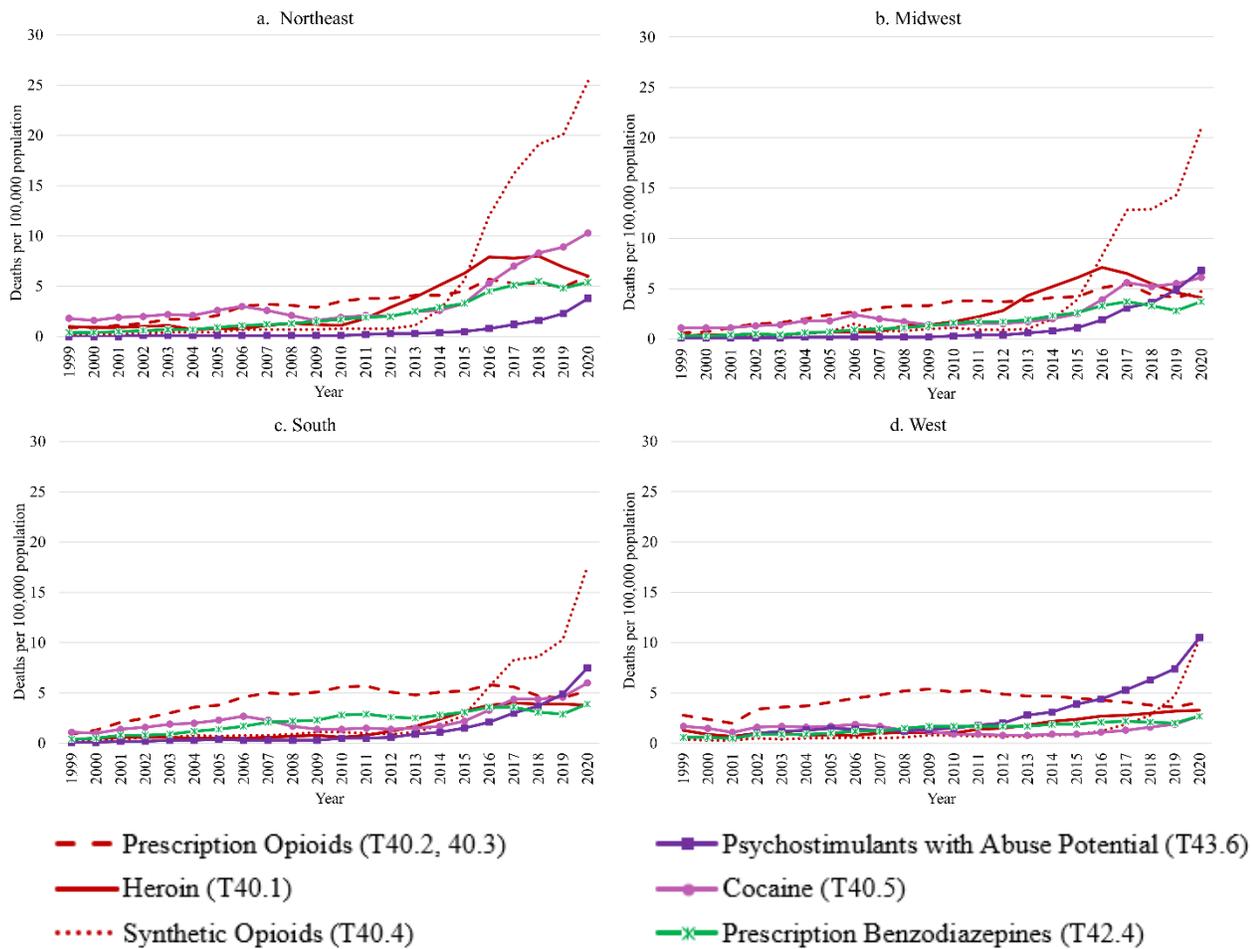
Notes: Includes deaths with an underlying cause ICD-10 code of X40-X44, X60-X64, X85, Y10-Y14. T-codes represent the drug involved in the overdose, based on multiple cause of death coding. Categories are not mutually exclusive because deaths may involve more than one drug. Asians are excluded due to small death counts by drug type. To conform with CDC suppression rules, rates are not shown for certain groups in years when there were fewer than 20 deaths in that group.

Table B1. Fatal Drug Poisoning Rates (age-adjusted) and Annual Rates of Change by Region, 1999-2020

Fatal Drug Poisoning Rate (Deaths per 100,000 population)					Annual Percentage Change			
Year	Northeast	Midwest	South	West	Northeast	Midwest	South	West
1999	6.5	4.4	5.4	8.5				
2000	6.6	4.9	6.1	7.3	1.54	11.36	12.96	-14.12
2001	7.4	5.7	7.6	6.2	12.12	16.33	24.59	-15.07
2002	7.9	6.6	8.4	9.7	6.76	15.79	10.53	56.45
2003	8.5	6.7	9.6	10.3	7.59	1.52	14.29	6.19
2004	8.0	8.1	10.2	10.5	-5.88	20.90	6.25	1.94
2005	9.0	8.9	10.7	11.1	12.50	9.88	4.90	5.71
2006	11.1	10.7	12.1	11.7	23.33	20.22	13.08	5.41
2007	10.9	10.7	12.5	12.8	-1.80	0.00	3.31	9.40
2008	10.7	11.4	12.4	12.6	-1.83	6.54	-0.80	-1.56
2009	9.9	11.4	12.7	13.0	-7.48	0.00	2.42	3.17
2010	10.6	12.3	13.0	12.7	7.07	7.89	2.36	-2.31
2011	12.7	13.1	13.4	13.5	19.81	6.50	3.08	6.30
2012	13.5	13.6	12.9	13.1	6.30	3.82	-3.73	-2.96
2013	14.8	14.6	13.1	13.6	9.63	7.35	1.55	3.82
2014	16.1	16.0	14.0	13.7	8.78	9.59	6.87	0.74
2015	19.8	17.8	15.5	13.9	22.98	11.25	10.71	1.46
2016	26.6	22.3	19.0	14.1	34.34	25.28	22.58	1.44
2017	29.8	25.4	20.7	14.7	12.03	13.90	8.95	4.26
2018	28.1	22.9	19.7	15.3	-5.70	-9.84	-4.83	4.08
2019	27.9	23.8	20.7	17.0	-0.71	3.93	5.08	11.11
2020	32.9	29.9	28.6	23.4	17.92	25.63	38.16	37.65
Average Annual Percentage Change					8.54	9.90	8.68	5.86
Overall Increase 1999-2020 (Percent)					406.15	579.55	429.63	175.29

Data Source: CDC WONDER, Multiple Cause of Death Files; Includes deaths with an underlying cause ICD-10 code of X40-X44, X60-X64, X85, Y10-Y14. Rates are age adjusted.

Note: Shaded cells indicate the region with the highest fatal drug poisoning rate and highest annual rate of growth in that year.



**Figure B1. Fatal Drug Poisonings by Drug Type by Census Region, 1999-2020**

*Data Source:* CDC WONDER, Multiple Cause of Death Files

*Notes:* Rates are age-adjusted. Includes deaths with an underlying cause ICD-10 code of X40-X44, X60-X64, X85, Y10-Y14. T-codes represent the drug involved in the overdose, based on multiple cause of death coding. Categories are not mutually exclusive because deaths may involve more than one drug.

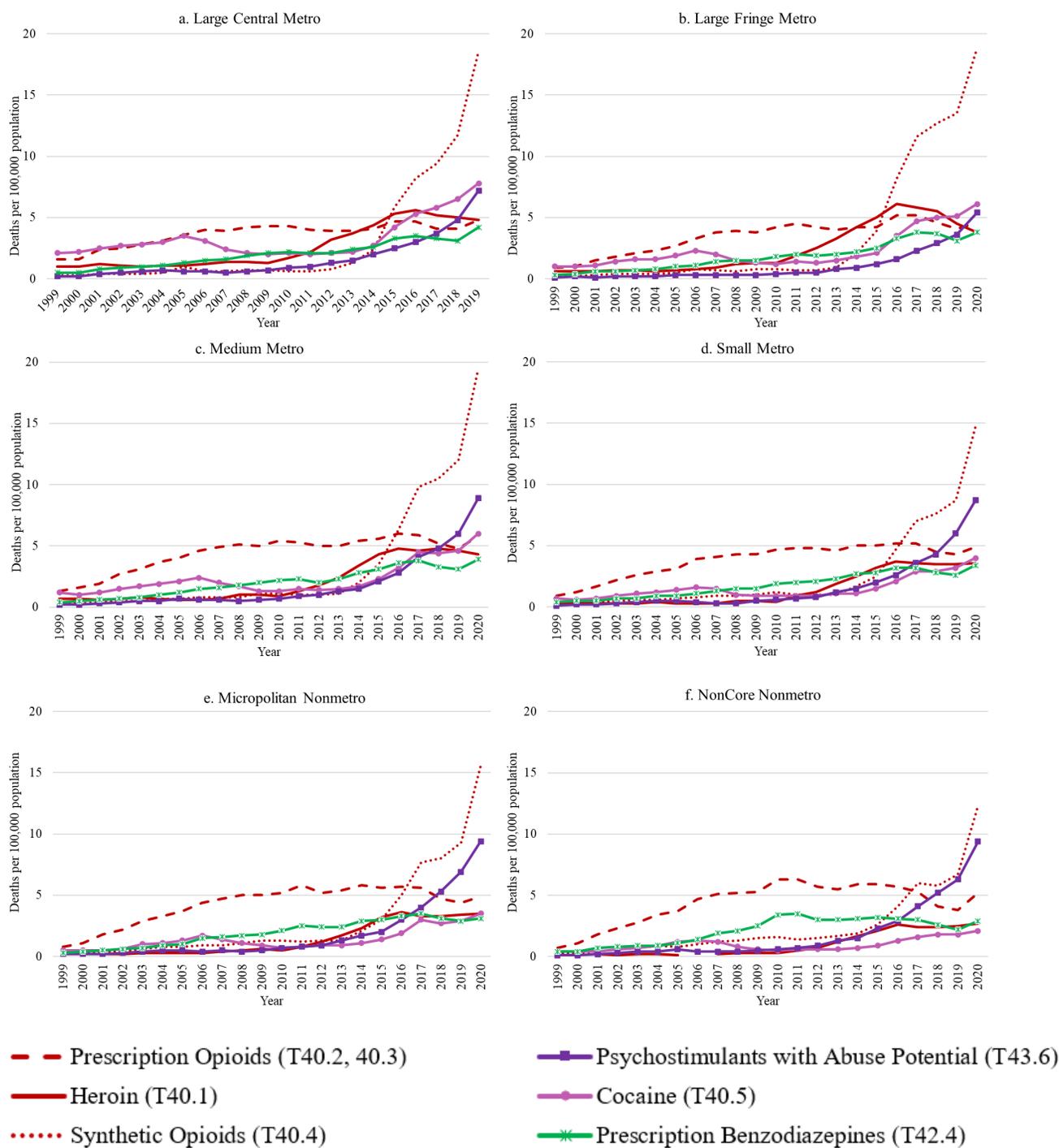
Table B2. Fatal Drug Poisoning Rates (age-adjusted) and Annual Rates of Change by Urban-Rural Continuum, 1999-2020

Year	Fatal Drug Poisoning Rate (Deaths per 100,000 population)						Annual Percentage Change					
	Large Central Metro	Large Fringe Metro	Med Metro	Small Metro	Micropolitan Nonmetro	NonCore Nonmetro	Large Central Metro	Large Fringe Metro	Med Metro	Small Metro	Micropolitan Nonmetro	NonCore Nonmetro
1999	8.3	5.0	6.1	4.5	4.2	3.7						
2000	7.7	5.5	6.5	4.9	4.7	4.5	-7.23	10.00	6.56	8.89	11.90	21.62
2001	7.8	6.4	7.2	6.0	5.7	5.6	1.30	16.36	10.77	22.45	21.28	24.44
2002	9.5	7.4	8.8	7.1	7.0	6.9	21.79	15.63	22.22	18.33	22.81	23.21
2003	9.6	8.1	9.9	8.4	8.3	8.0	1.05	9.46	12.50	18.31	18.57	15.94
2004	10.0	8.0	10.5	9.1	9.5	9.1	4.17	-1.23	6.06	8.33	14.46	13.75
2005	10.7	8.8	11.3	9.7	9.9	9.9	7.00	10.00	7.62	6.59	4.21	8.79
2006	12.0	10.4	12.5	11.1	12.1	11.2	12.15	18.18	10.62	14.43	22.22	13.13
2007	12.1	10.7	13.0	12.1	12.4	12.2	0.83	2.88	4.00	9.01	2.48	8.93
2008	11.4	11.2	13.4	12.0	12.8	12.6	-5.79	4.67	3.08	-0.83	3.23	3.28
2009	11.4	11.1	13.4	12.5	12.9	13.0	0.00	-0.89	0.00	4.17	0.78	3.17
2010	11.3	11.6	14.0	12.7	13.2	14.2	-0.88	4.50	4.48	1.60	2.33	9.23
2011	12.1	12.7	14.4	14.0	14.7	14.7	7.08	9.48	2.86	10.24	11.36	3.52
2012	12.4	12.9	14.1	13.9	14.4	14.1	2.48	1.57	-2.08	-0.71	-2.04	-4.08
2013	13.0	13.7	14.8	14.5	14.6	14.7	4.84	6.20	4.96	4.32	1.39	4.26
2014	13.5	14.8	16.0	15.6	16.0	15.0	3.85	8.03	8.11	7.59	9.59	2.04
2015	14.8	16.5	18.3	16.8	17.5	16.2	9.63	11.49	14.38	7.69	9.38	8.00
2016	18.5	21.6	21.5	19.1	19.5	17.5	25.00	30.91	17.49	13.69	11.43	8.02
2017	20.2	23.7	24.1	20.5	21.3	18.2	9.19	9.72	12.09	7.33	9.23	4.00
2018	19.7	22.1	23.0	19.6	20.1	17.3	-2.48	-6.75	-4.56	-4.39	-5.63	-4.95
2019	21.8	21.9	23.8	20.4	21.0	17.6	10.66	-0.90	3.48	4.08	4.48	1.73
2020	29.0	26.9	31.6	27.0	27.3	24.4	33.03	22.83	32.77	32.35	30.00	38.64
Average Annual Increase							6.56	8.67	8.45	9.21	9.69	9.84
Change 1999 to 2020 (Percent)							249.40	438.00	418.03	500.00	550.00	559.46

Data Source: CDC WONDER, Multiple Cause of Death Files; Includes deaths with an underlying cause ICD-10 code of X40-X44, X60-X64, X85, Y10-Y14.

Rates are age adjusted.

Note: Shaded cells indicate the category with the highest fatal drug poisoning rate and highest annual rate of growth in that year.



**Figure B2. Fatal Drug Poisonings by Drug Type by Metro Status, 1999-2020**

Data Source: CDC WONDER, Multiple Cause of Death Files

Notes: Includes deaths with an underlying cause ICD-10 code of X40-X44, X60-X64, X85, Y10-Y14. T-codes represent the drug involved in the overdose, based on multiple cause of death coding. Categories are not mutually exclusive because deaths may involve more than one drug.