

Opioid Surveillance

October 2022



HEALTH
DEPARTMENT

Caring today for a healthy tomorrow

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MEDICAL EXAMINER DATA

Source: Kent County Medical Examiner Office; Note: This report separates drug-related overdose deaths occurring in Kent County by county resident and non-resident. Overdose deaths with an unknown residence per the medical examiner report are included in Kent County resident totals. Counts reported in this document do not represent final numbers; they are subject to change after cases are reviewed. Data are current as of November 1, 2022.

Table 1. Number of drug-related overdose deaths, by selected characteristics and county of residence, Kent County, January 2021 – August 2022

	KENT COUNTY RESIDENTS ¹	NON-COUNTY RESIDENTS
TOTAL DRUG OVERDOSE DEATHS	182	33
OPIOID-RELATED		
TOTAL OPIOID-RELATED DEATHS	141 (77% of all overdose deaths)	21 (64% of all overdose deaths)
AVERAGE AGE	41.4 years	38.0 years
MEDIAN AGE	40.0 years	35.0 years
POLY-SUBSTANCE	86 (61%)	14 (67%)
SINGLE SUBSTANCE	55 (39%)	7 (33%)
SUBSTANCES INVOLVED²		
FENTANYL	128 (91%)	19 (90%)
HEROIN	4 (3%)	3 (14%)
RX OPIOIDS³	18 (13%)	2 (10%)
COCAINE	50 (35%)	4 (19%)
METHAMPHETAMINE	18 (13%)	3 (14%)
ALCOHOL	14 (10%)	4 (19%)
COMBINATIONS WITH FENTANYL		
HEROIN & FENTANYL	4 (100% of all heroin overdoses include fentanyl)	3 (100% of all heroin overdoses include fentanyl)
METHAMPHETAMINE & FENTANYL	18 (86% of all meth. overdoses include fentanyl)	3 (50% of all meth. overdoses include fentanyl)
COCAINE & FENTANYL	50 (67% of all cocaine overdoses include fentanyl)	4 (67% of all cocaine overdoses include fentanyl)

¹Kent County residents and unknown resident status; ²Deaths by substances involved are not mutually exclusive and do not constitute an exhaustive list; often multiple drugs are identified as a related cause of death in a single case; ³Prescription opioids include hydrocodone, hydromorphone, methadone, morphine, oxycodone, tramadol

Table 2. Opioid-related overdose deaths by demographics, Kent County, January 2021 – August 2022

		NUMBER	DEATH RATE PER 100,000	95% CI FOR CALCULATED RATE
SEX	Male	104	19.5	(15.8 - 23.3)
	Female	37	6.8	(4.6 - 8.9)
AGE GROUP	0 - 14 Years	--	--	--
	15 - 24 Years	10	--	--
	25 - 34 Years	39	23.1	(15.8 - 30.3)
	35 - 44 Years	36	26.8	(18.0 - 35.5)
	45 - 54 Years	29	21.8	(13.9 - 29.7)
	55 - 64 Years	18	13.5	(7.3 - 19.7)
	65+ Years	--	--	--
RACE/ ETHNICITY	White	91	10.6	(8.4 - 12.8)
	Black	36	34.7	(23.4 - 46.1)
	Hispanic	--	--	--
	American Indian/Alaska Native	--	--	--
	Asian or Pacific Islander	--	--	--
	Unknown	--	--	--
Total Deaths		141	13.1	(10.9 - 15.2)

-- denotes data suppressed due to low numbers

Figure 1. Number of opioid-related overdose deaths by year and county of residence, Kent County, 2005-2022

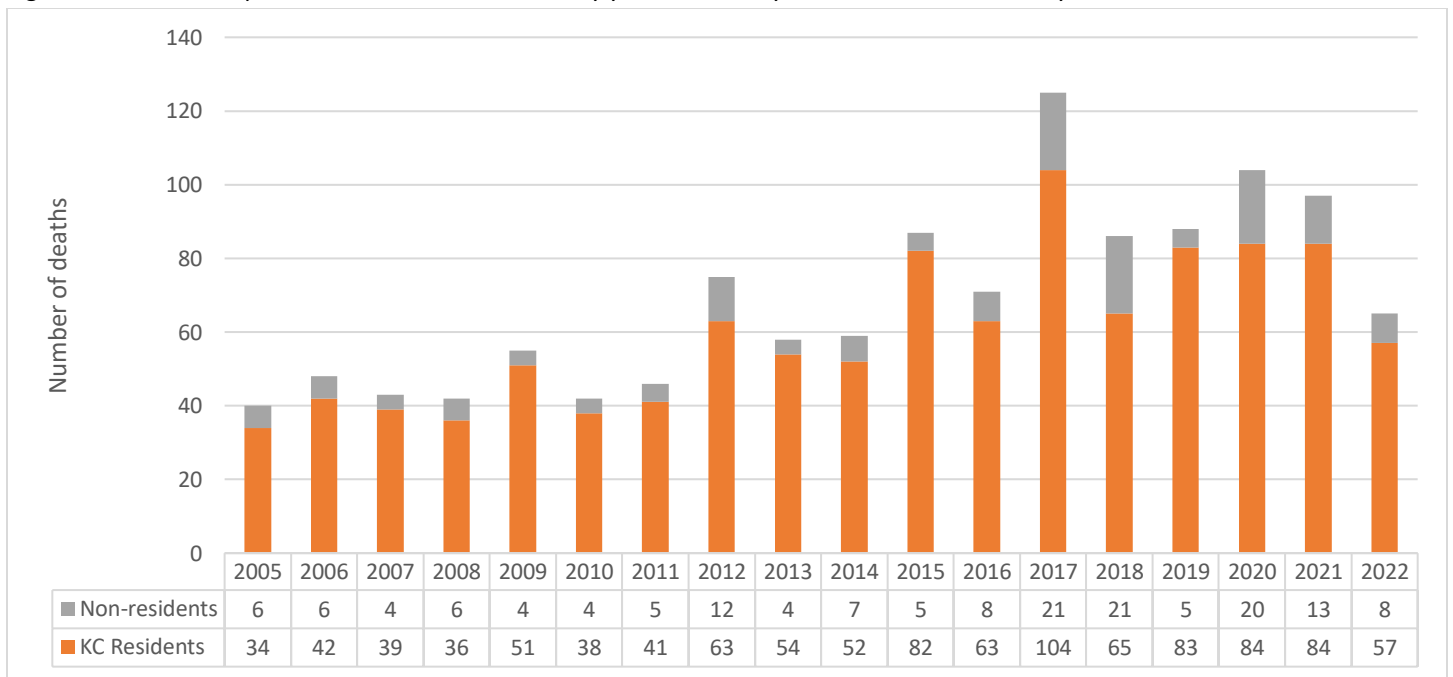


Figure 2. Cumulative number of opioid-related overdose deaths by month, Kent County residents, 2018-2022

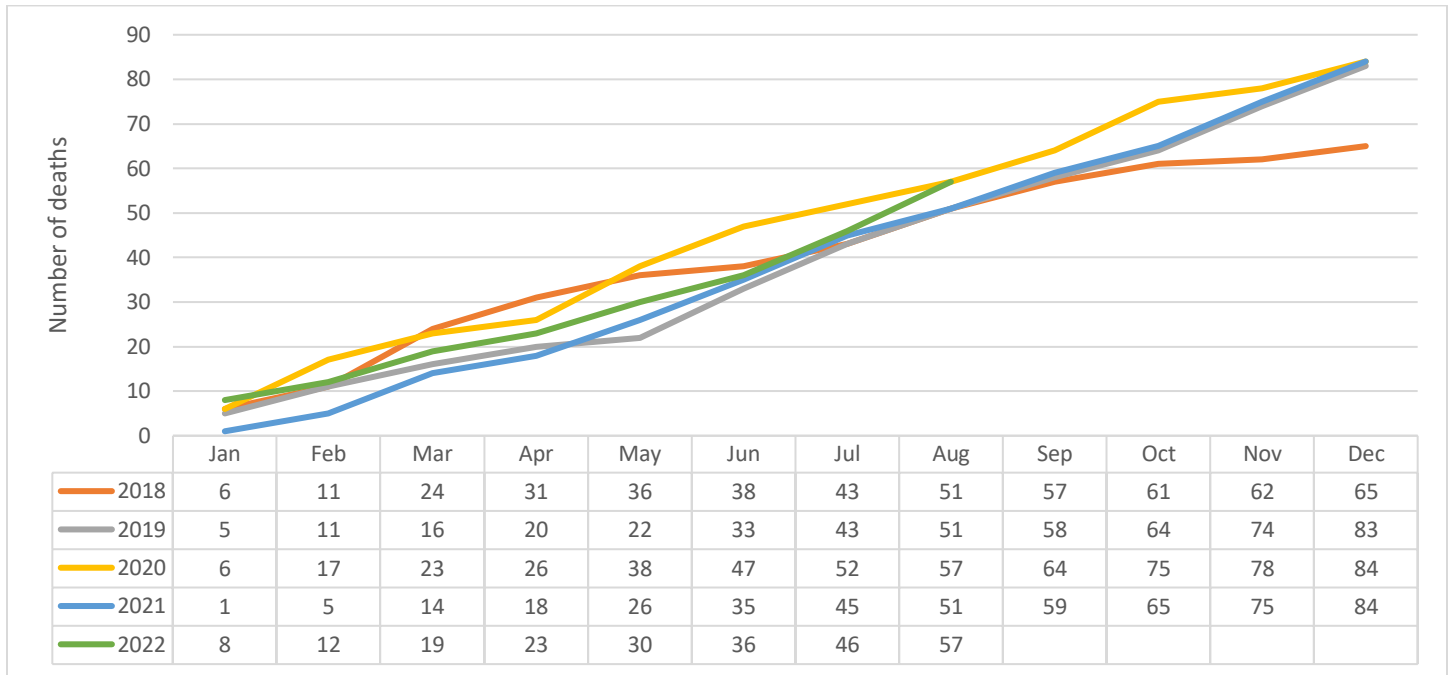
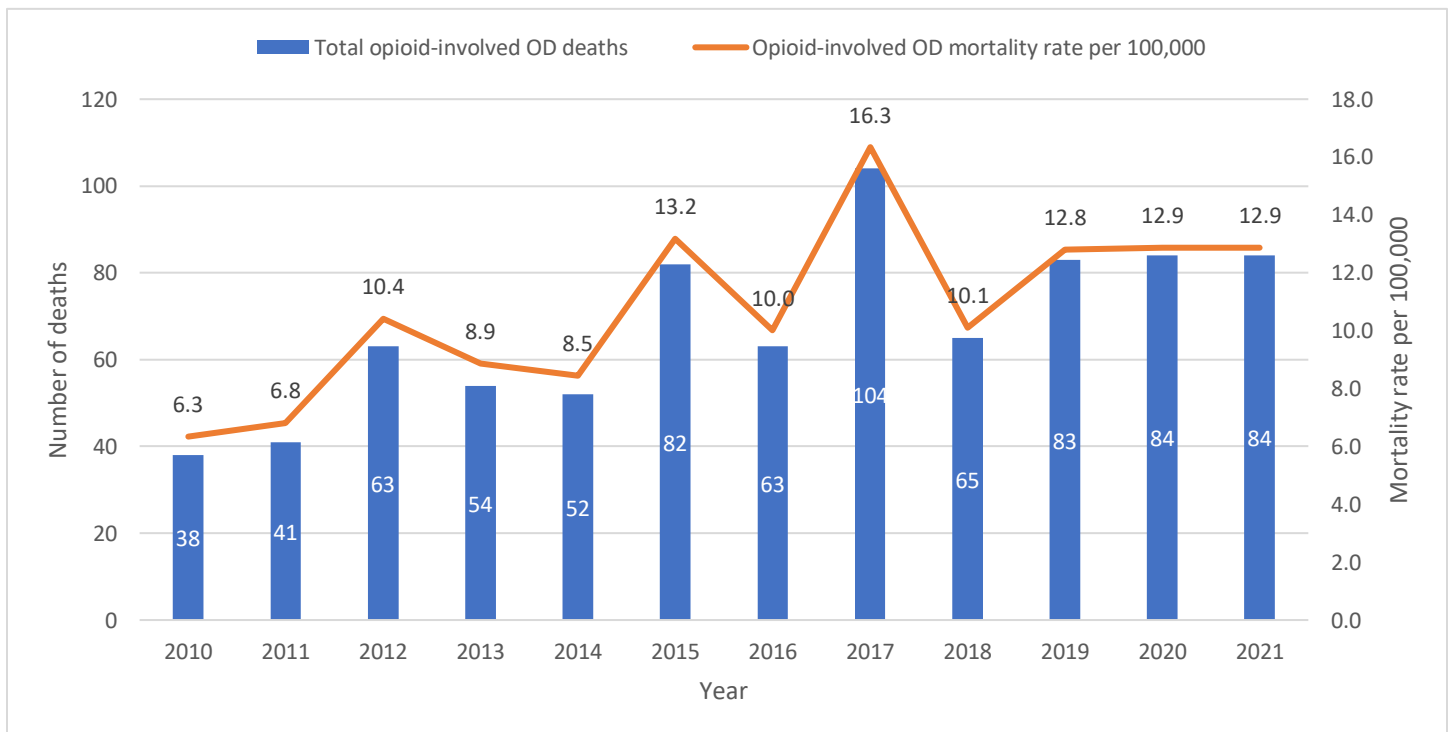


Figure 3. Number of opioid-involved overdose deaths and mortality rate per 100,000 population by year, Kent County residents, 2010-2021



Source: Population estimates from American Community Survey 5-Year Estimates

Figure 4. Percent of opioid-involved deaths with select substances present, Kent County residents, 2015-2022

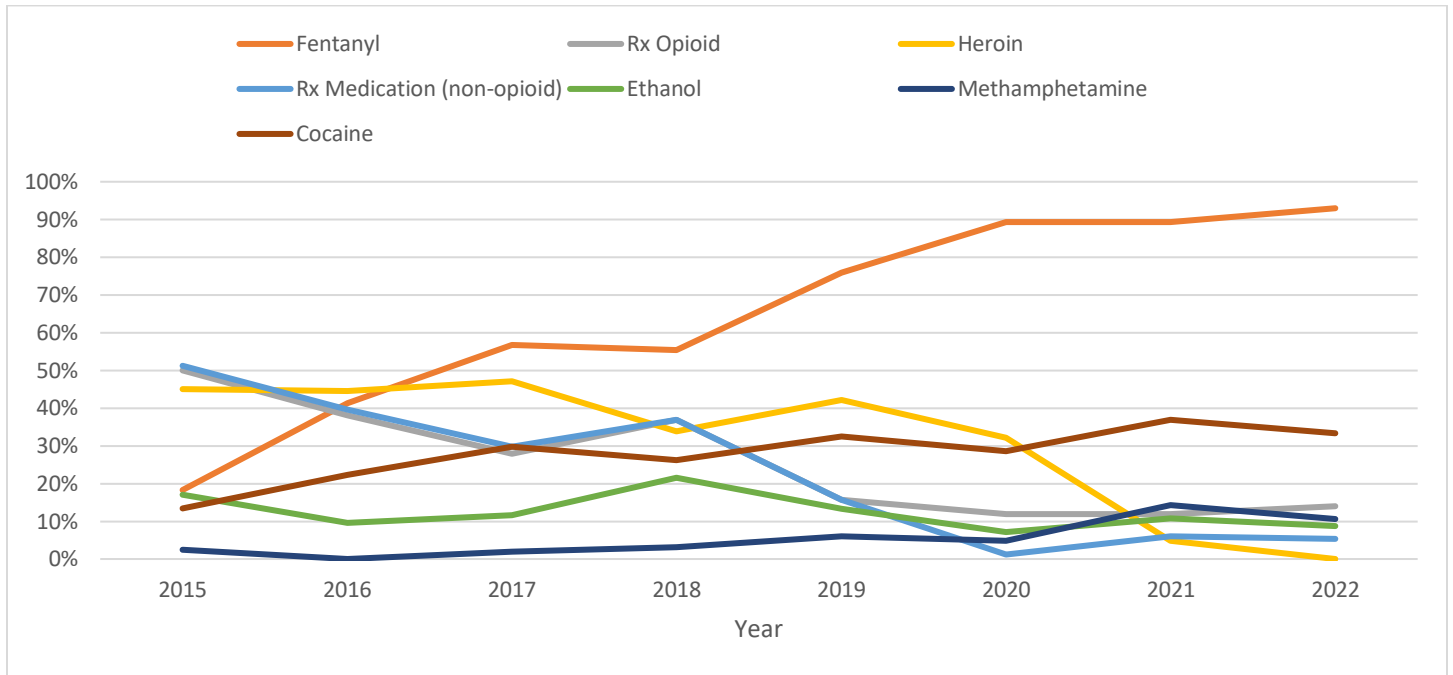


Figure 5. Percent of overdose deaths by manner, opioid- and non-opioid-related, Kent County residents, 2005-2022

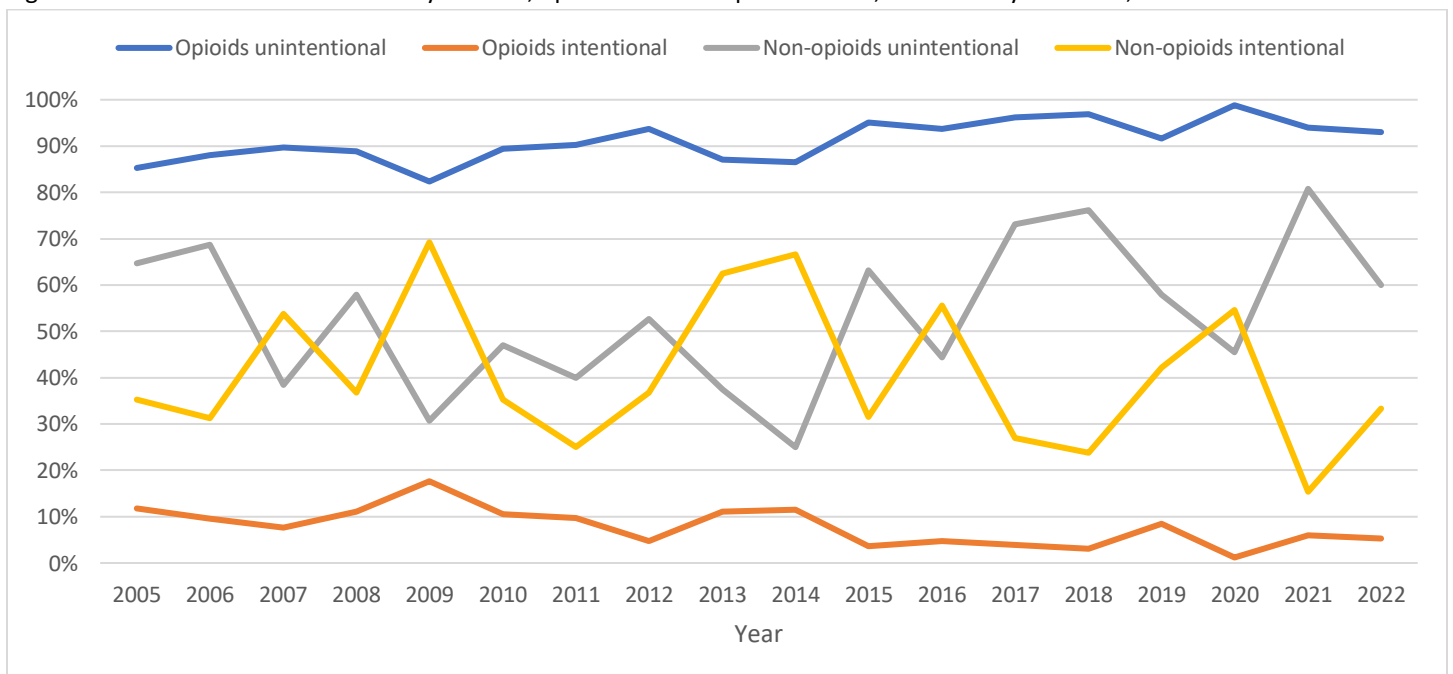
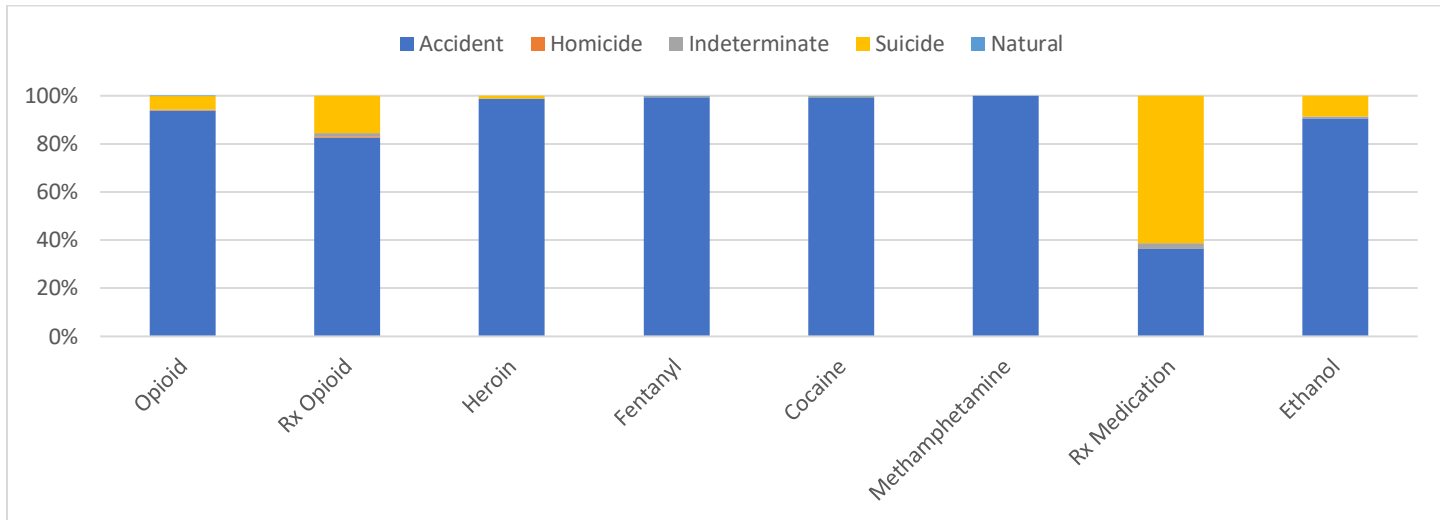


Figure 6. Manner of death determination by substance involved in overdose, all drug overdoses, Kent County residents, 2013-2022



Note: Includes all opioid and non-opioid overdose deaths; often multiple drugs are identified as a related cause of death in a single case

OVERDOSE CHARACTERISTICS BY RACE

Median age of opioid overdose death by race, Kent County residents, 2017-2022



Figure 7. Percent of overdoses involving opioids by race, Kent County residents, 2017-2022

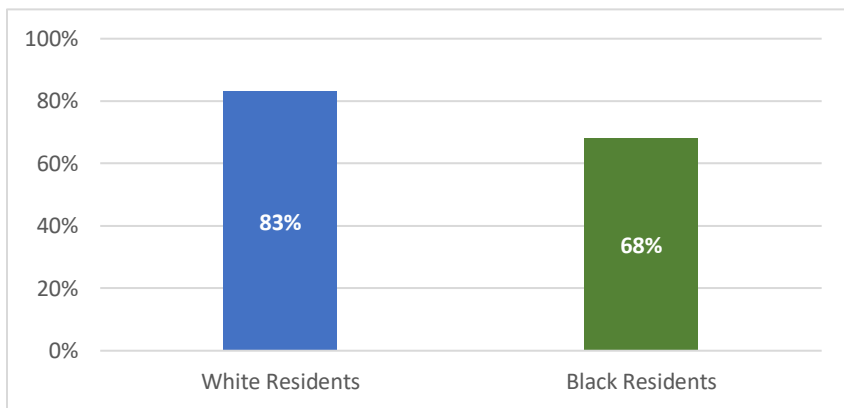
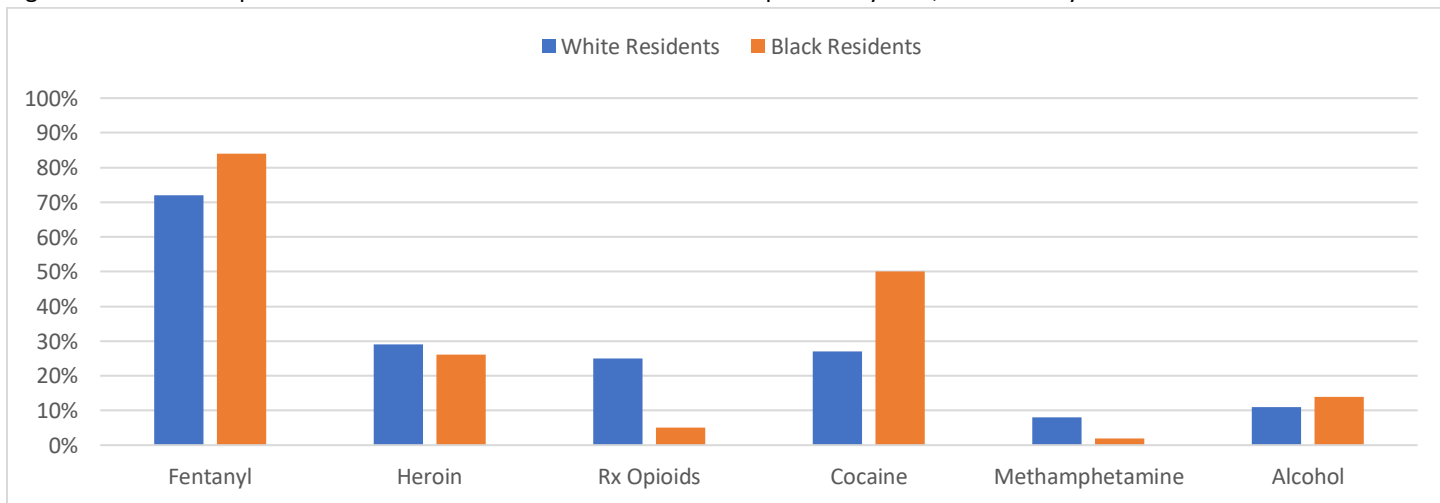


Figure 8. Percent of opioid-involved overdoses with select substances present by race, Kent County residents 2017-2022

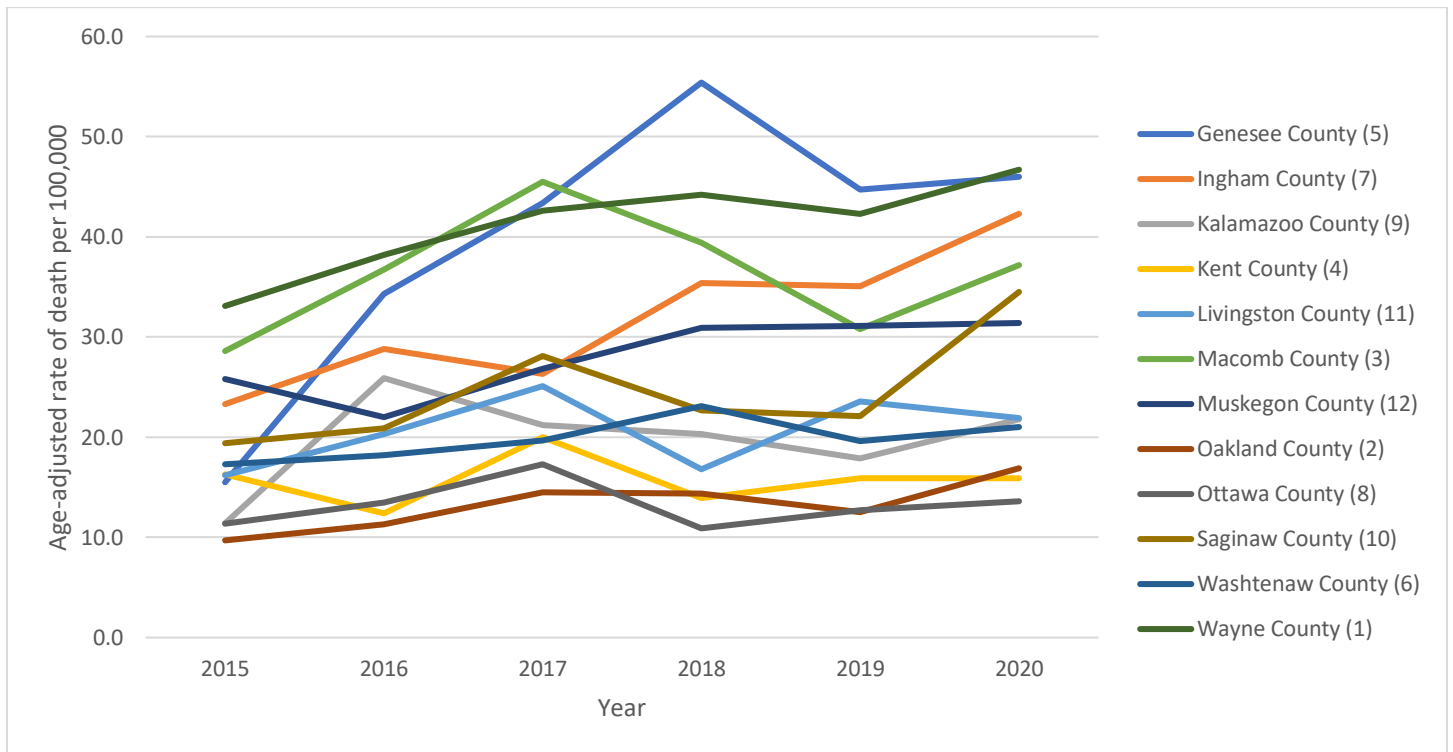


Note: often multiple drugs are identified as a related cause of death in a single case

COMPARISON WITH MICHIGAN COUNTIES

Source: NCHS Vital Statistics System for numbers of deaths. Bureau of Census for population estimates. Data gathered via CDC WISQARS (Web-based Injury Statistics Query and Reporting System).

Figure 9. Age-adjusted rate of drug poisoning deaths per 100,000 population of top twelve most populated Michigan counties (population rank), 2015-2020



NALOXONE ADMINISTRATION

Source: Michigan EMS Information System (MI-EMIS), via the System for Overdose Surveillance (SOS). Data may not always be complete, and data should not be considered a definitive opioid overdose count.

Figure 10. Frequency of naloxone administration by EMS by date in Kent County, Nov. 1, 2021 – Oct. 31, 2022

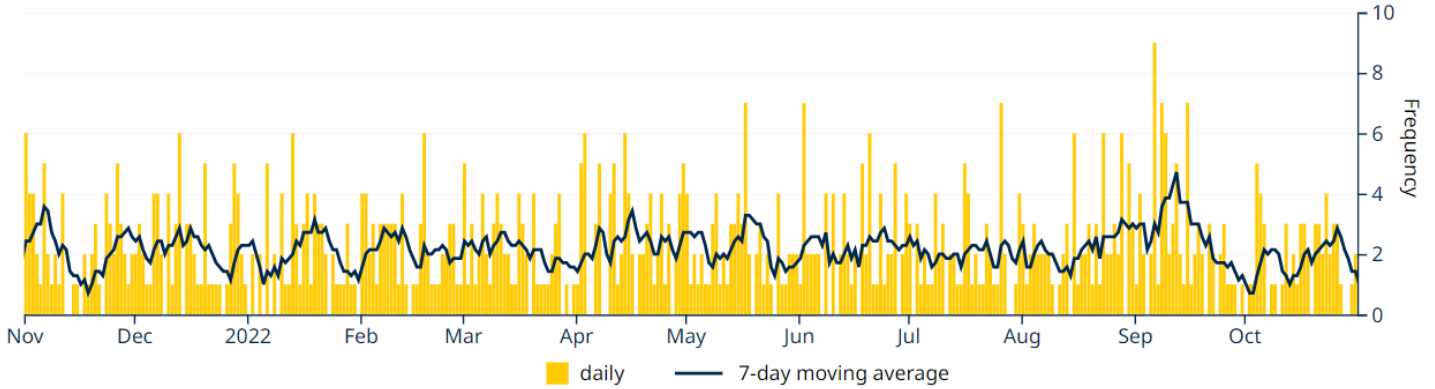


Figure 11. Naloxone administration by gender, Kent County, Nov. 1, 2021 – Oct. 31, 2022

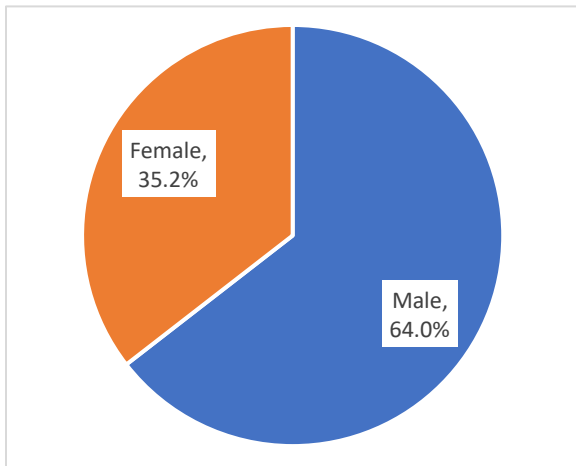


Figure 12. Naloxone administration by age, Kent County, Nov. 1, 2021 – Oct. 31, 2022

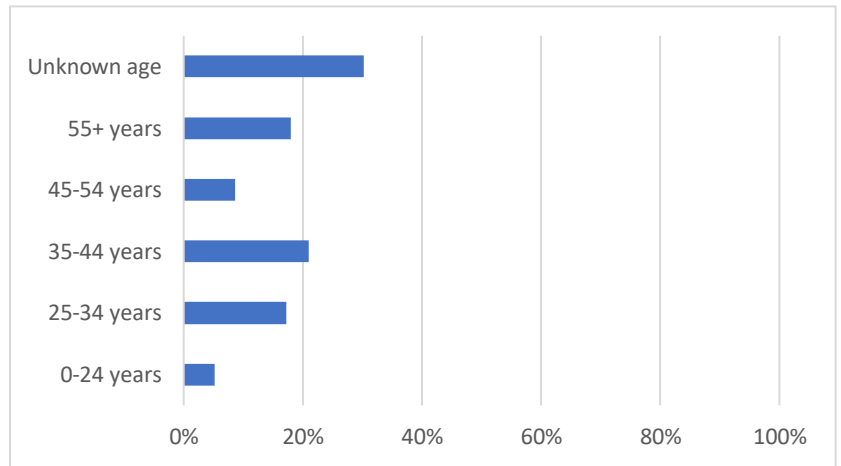


Figure 13. Naloxone administration by race and ethnicity, Kent County, Nov. 1, 2021 – Oct. 31, 2022

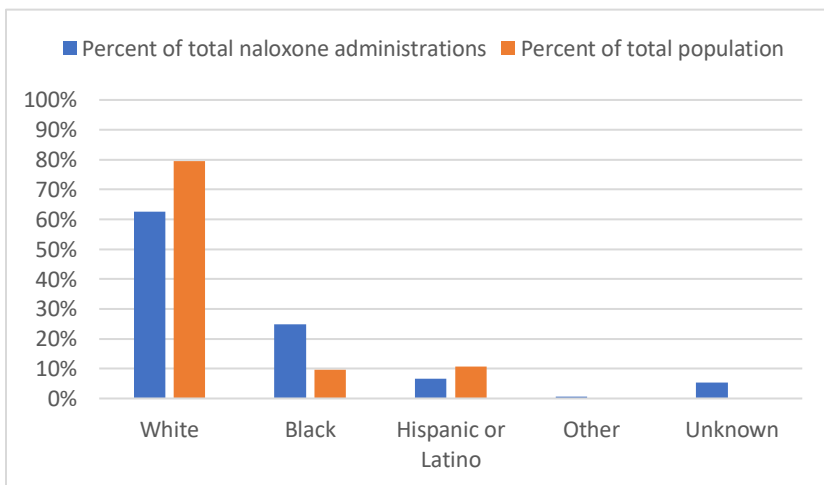
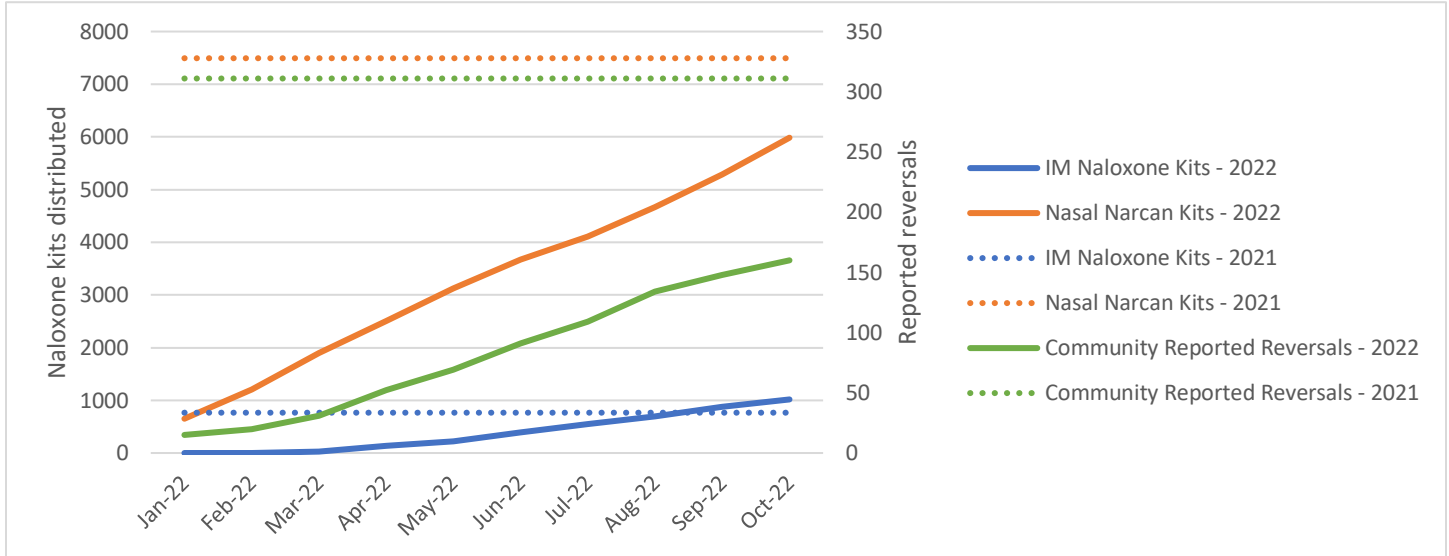


Table 3. Naloxone administration by city and ZIP Code, Kent County, Nov. 1, 2021 – Oct. 31, 2022

Top 5 Cities	% of Administrations
Grand Rapids	69.4%
Wyoming	10.1%
Kentwood	5.3%
Comstock Park	2.3%
Grandville	1.9%
Top 5 ZIP Codes	% of Administrations
49503	17.8%
49507	12.0%
49504	11.4%
49548	8.8%
49509	6.1%

NALOXONE DISTRIBUTION

Figure 14. Naloxone distributed by the Grand Rapids Red Project and community reported reversals, 2021 total vs. cumulative 2022



Source: The Grand Rapids Red Project; Note: IM (intramuscular) kits contain four doses of naloxone, and nasal kits contain two doses of naloxone

Map. Pharmacies approved to dispense naloxone, Kent County, 2022 Q3

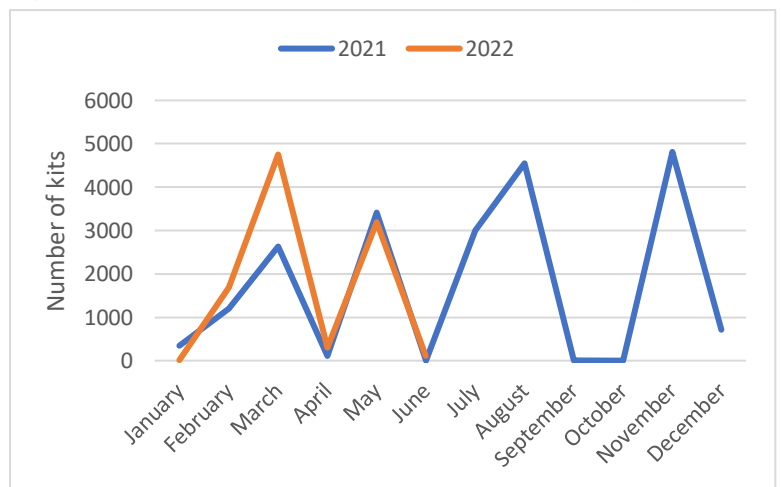


Note: Standing orders under the Chief Medical Executive
Source: Michigan Department of Health and Human Services

Table 4. MDHHS naloxone portal kit orders by agency type, Kent County, 2021-2022

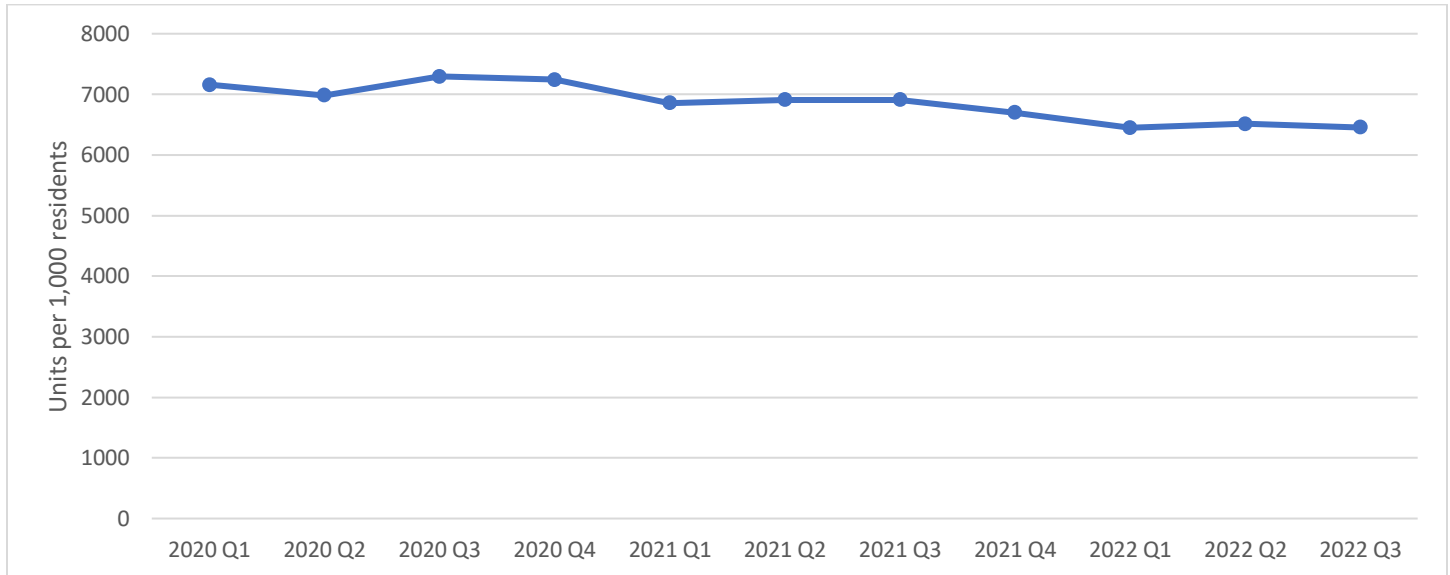
AGENCY TYPE	NUMBER OF KITS
COMMUNITY ORGS & NONPROFITS	35772
HOSPITALS/MEDICAL CENTERS/CLINICS	1092
LOCAL HEALTH DEPARTMENTS	864
CORRECTIONAL FACILITIES/JAILS	804
TREATMENT/RECOVERY CENTERS & BEHAVIORAL HEALTH SERVICES	504
OTHER	456
ACADEMIC INSTITUTIONS	72
DRUG COURTS	48
FIRST RESPONDERS	36
TOTAL	39648

Figure 15. MDHHS naloxone portal kit orders, Kent County, 2021-2022



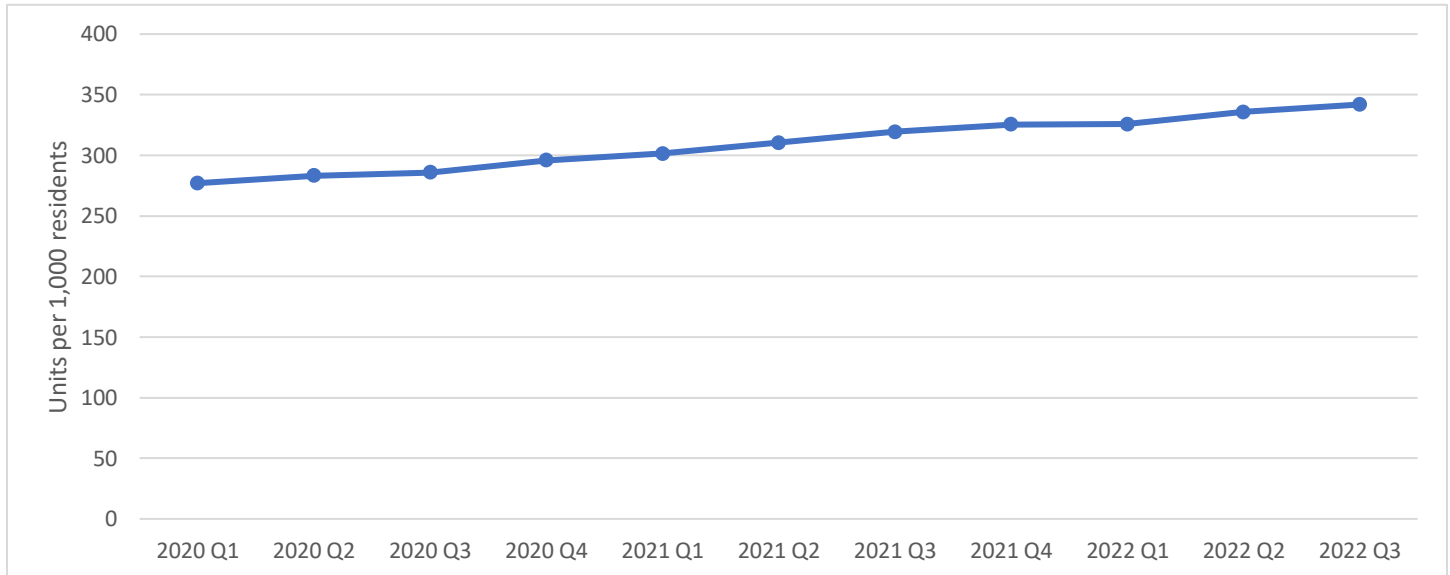
Source: Michigan Automated Prescription System (MAPS), via the Michigan Overdose Data to Action Dashboard administered by the Michigan Department of Health and Human Services

Figure 16. Opioid prescription units dispensed per 1,000 residents, Kent County, 2020-2022



Note: This indicator represents the number of prescription opioid units (which refers to a dosage unit that could be pills or milliliters, grams, etc.) dispensed to residents to treat pain.

Figure 17. Buprenorphine prescription units dispensed per 1,000 residents, Kent County, 2020-2022



Note: This indicator represents the number of prescription buprenorphine units (which refers to a dosage unit that could be pills or milliliters, grams, etc.) dispensed to residents to treat opioid use disorder.