

# Department of Forensic Pathology

Office of the Medical Examiner

2024 Q2 (April 1 – June 30) Drug Report

Published August 29, 2024

















#### Introduction

#### **Drug-Related Deaths - Defined**

We define drug deaths as those which result entirely or partially from the physiologic effects of acute toxicity. Therefore, included here are deaths which resulted from a combination of natural disease and acute intoxication (e.g. lung disease complicated by opioid intoxication). Our definition does not include deaths by violence, in which the violent behavior may have been caused or contributed to by intoxication (e.g. death due to injury from motor vehicle crash in which the at-fault driver was intoxicated). We also do not include deaths related to the effects of chronic substance use (e.g. deaths due to alcoholic liver disease or heart disease which may have been contributed to by chronic cocaine use) if not combined with acute toxicity.

#### Methods

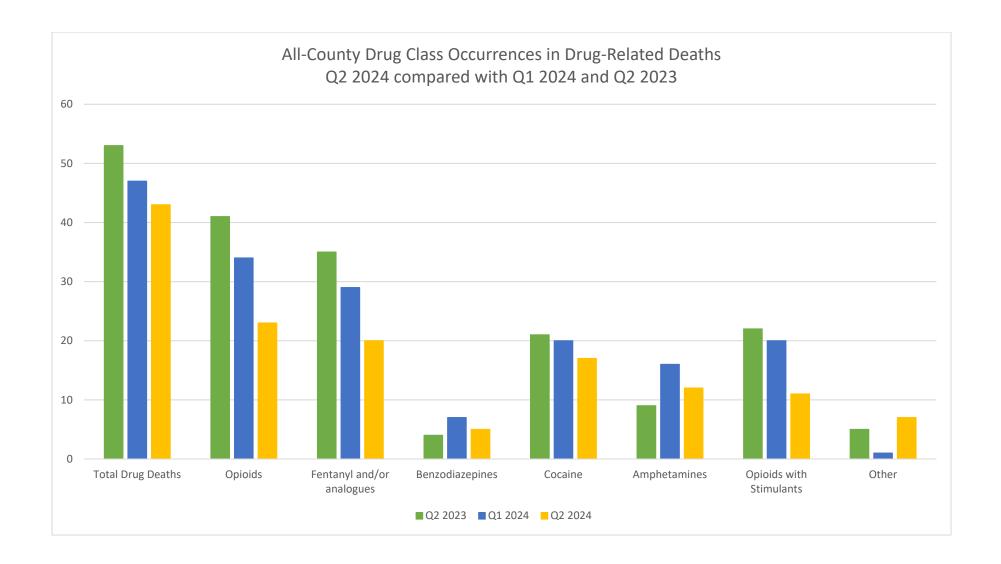
The majority of the drug deaths reported are due to more than one substance, as you will see in the detailed tables that follow. Often, decedents have even more substances present in their body at the time of death or overdose incident than just the substances listed as having caused or contributed to death. After autopsy and review of records, including toxicology report, the medical examiner assigned to the case determines which of the substances present played a causal role in the death. Thus, there may be substances present in a given case which are not included in the cause of death statement.

Occasionally, intoxicated decedents survive in the hospital for a time prior to death, following acute drug intoxication. In these cases, all efforts are made to obtain and test the earliest blood and urine available from their time in the hospital for the overdose incident, so that the toxicology results reflect what was in the body at the time the overdose occurred.

New information occasionally becomes available after a "final" cause and manner of death was determined, which sometimes, albeit rarely, results in a change to the "final" cause or manner of death. As such, the statistics contained herein may be subject to change at any time.

The extent of toxicology testing is determined by the medical examiner assigned to the case, based upon the circumstances of death. During the period reported, our office used Axis Forensic Toxicology for toxicology testing.<sup>1</sup>

<sup>&</sup>lt;sup>1</sup> If you have questions about what drugs we are currently capable of detecting, please visit www.axisfortox.com or email michelle.fox@sparrow.org

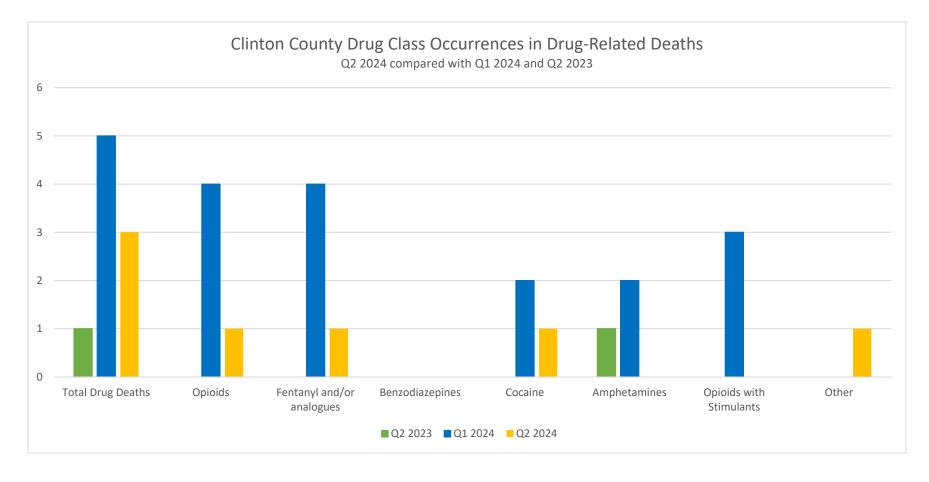


# **Clinton County**

2024 Q2 Clinton County Drug-Related Deaths				
Sex	Age	Substance(s) Causing Death	Manner of Death	
Male	43	cocaine, ethanol	Accident	
Female	58	amitriptyline, citalopram/escitalopram, cyclobenzaprine	Suicide	
Male	60	ethanol, fentanyl, hydrocodone	Accident	

# **Clinton County**

#### **Drug-Related Deaths**

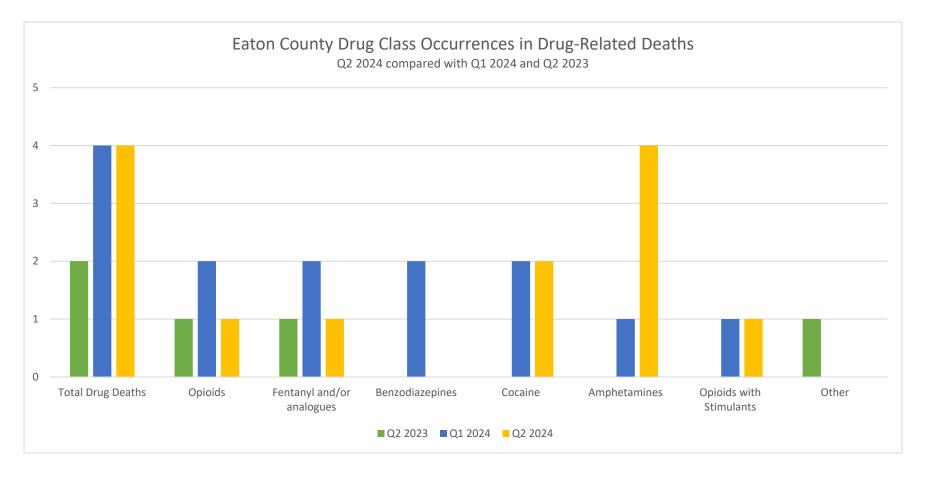


# **Eaton County**

	2024 Q2 Eaton County Drug-Related Deaths			
Sex	Age	Substance(s) Causing Death	Manner of Death	
Male	40	methamphetamine	Accident	
Male	41	cocaine, fentanyl, methamphetamine	Accident	
Female	56	cocaine, methamphetamine	Accident	
Female	60	amphetamine	Accident	

#### **Eaton County**

#### **Drug-Related Deaths**



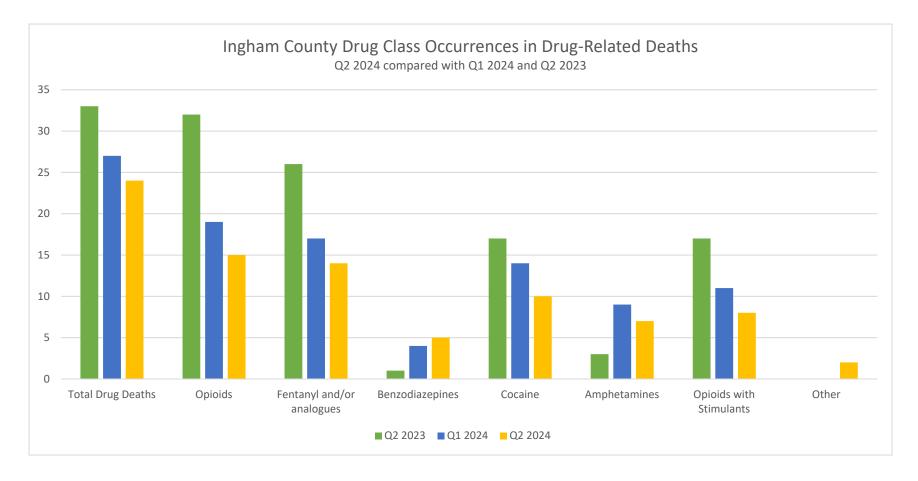
# **Ingham County**

		2024 Q2 Ingham County Drug-Related Deaths	
Sex	Age	Substance(s) Causing Death	Manner of Death
Female	22	amitriptyline, amphetamine, diphenhydramine, hydroxyzine, trazadone	Suicide
Male	24	fentanyl, methamphetamine	Accident
Female	25	amphetamine, clonazepam, cocaine, ethanol, fentanyl, fluorofentanyl	Accident
Male	26	acetyl fentanyl, alprazolam, cocaine, diazepam, fentanyl, fluorofentanyl, methamphetamine, xylazine	Accident
Female	28	diphenhydramine, mirtazapine, promethazine, propranolol	Suicide
Male	30	ethanol, fentanyl	Accident
Female	31	clonazepam, diazepam, fentanyl, gabapentin, mitragynine	Accident
Male	34	methamphetamine	Accident
Male	38	cocaine, ethanol, fentanyl	Accident
Male	39	cocaine	Accident
Male	41	fentanyl	Accident
Male	43	cocaine	Accident
Male	43	fentanyl	Accident
Female	44	mitragynine	Accident
Female	45	acetyl fentanyl, cocaine, fentanyl	Accident
Female	47	clonazepam, fentanyl	Accident
Male	52	fentanyl	Accident
Male	54	cocaine	Accident
Male	56	fentanyl, methamphetamine, venlafaxine	Accident
Male	58	cocaine, dihydrocodeine, fentanyl, hydrocodone	Accident
Male	58	methamphetamine	Accident
Male	65	cocaine, ethanol	Accident
Male	69	clonazepam, oxycodone	Accident

Male 73 cocaine, fentanyl Accident

### **Ingham County**

#### **Drug-Related Deaths**

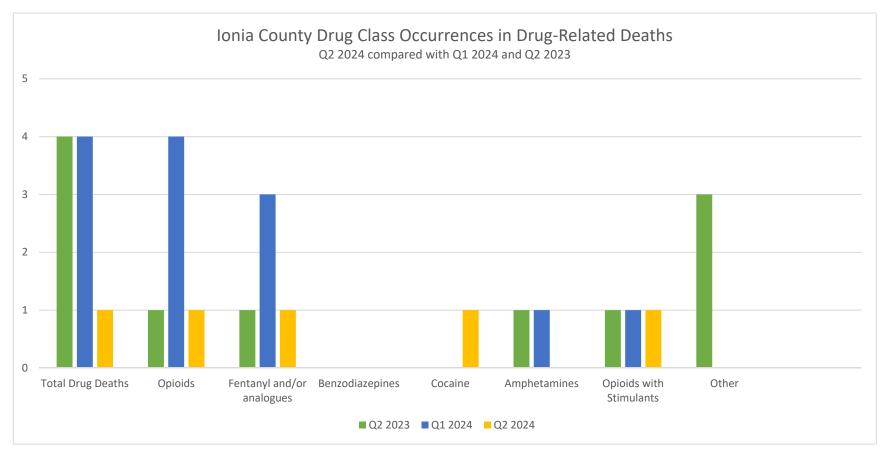


# **Ionia County**

		2024 Q2 Ionia County Drug-Related Deaths	
Sex	Age	Substance(s) Causing Death	Manner of Death
Male	43	cocaine, fentanyl	Accident

### **Ionia County**

#### **Drug-Related Deaths**

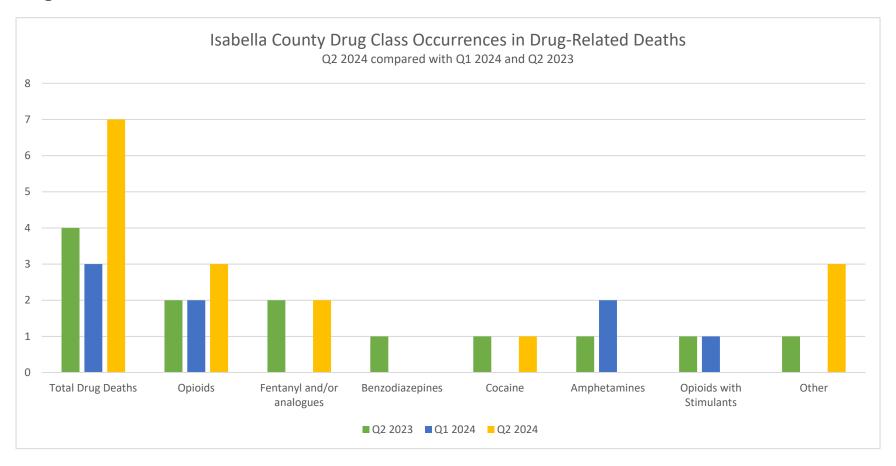


# **Isabella County**

		2024 Q2 Isabella County Drug-Related Deaths	
Sex	Age	Substance(s) Causing Death	Manner of Death
Male	22	ethanol, methadone	Accident
Male	34	fentanyl	Accident
Male	49	fentanyl	Accident
Female	53	cocaine	Accident
Male	54	hydroxyzine, nortriptyline, sertraline	Accident
Male	59	gabapentin	Suicide
Female	70	gabapentin, mirtazapine, quetiapine, zolpidem	Suicide

# **Isabella County**

#### **Drug-Related Deaths**

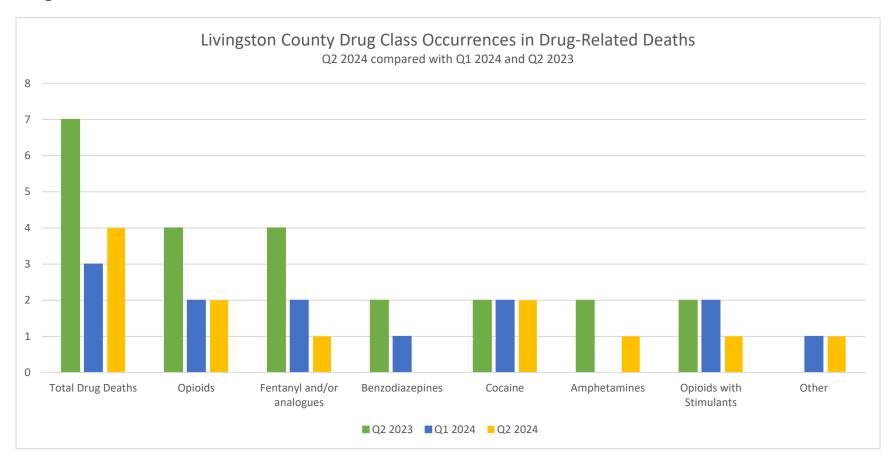


# **Livingston County**

		2024 Q2 Livingston County Drug-Related Death	S
Sex	Age	Substance(s) Causing Death	Manner of Death
Male	33	cocaine, ethanol, fentanyl, mitragynine	Accident
Female	50	bupropion, ethanol	Suicide
		bupropion, duloxetine, gabapentin, hydrocodone, mitragynine, methylphenidate,	
Female	51	topiramate	Accident
Female	51	cocaine, methamphetamine	Accident

#### **Livingston County**

#### **Drug-Related Deaths**



# **Shiawassee County**

**Drug-Related Deaths** 

# 2024 Q2 Shiawassee County Drug-Related Deaths

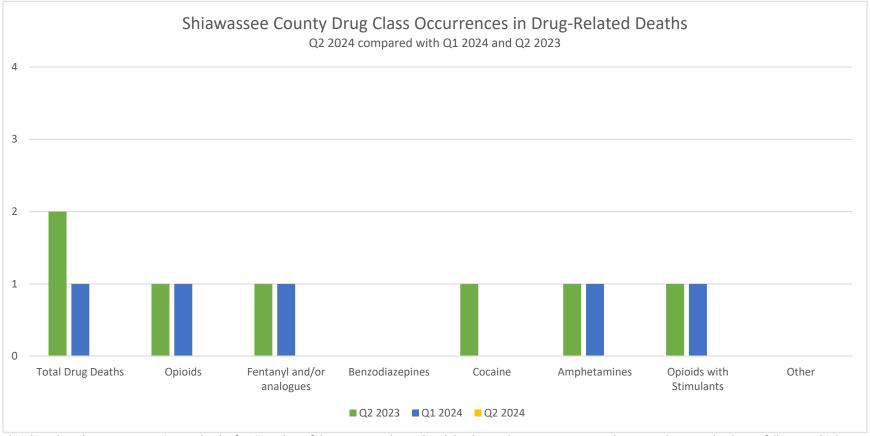
Sex Age Substance(s) Causing Death

Manner of Death

No Drug Related Deaths

#### **Shiawassee County**

#### **Drug-Related Deaths**



#### **Historical Data**

