

Department of Forensic Pathology

Office of the Medical Examiner

2023 Q1 (January 1 – March 31) Drug Report

Published June 19, 2023

















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

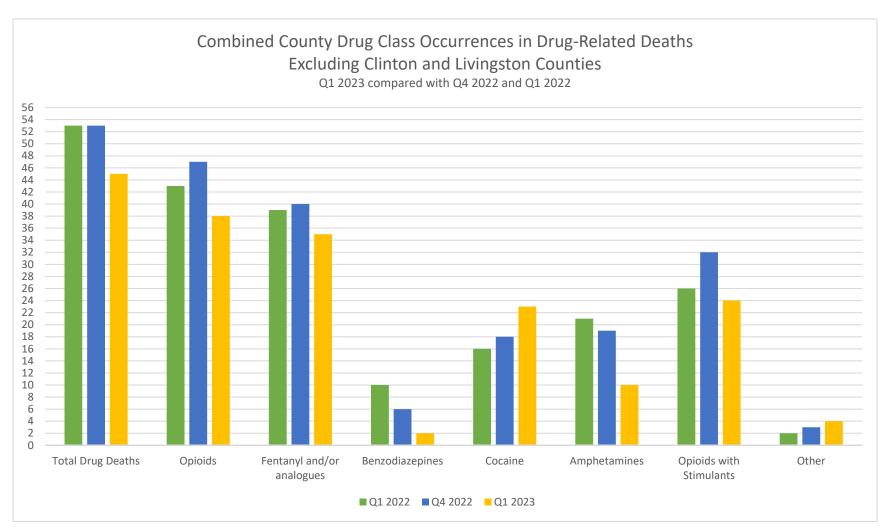
The majority of the drug deaths reported are due to more than one substance, as you will see in the detailed tables that follow. Often, decedents have even more substances present in their body at the time of death or overdose incident than just the substances listed as having caused or contributed to 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.

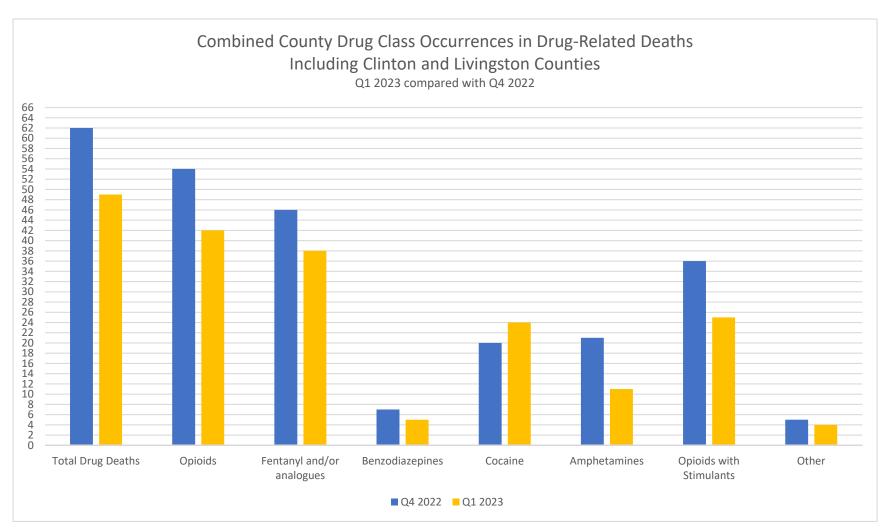
Occasionally, intoxicated decedents survive in the hospital for a time prior to death, following acute drug intoxication. In these cases, all efforts are made to obtain and test the earliest blood and urine available from their time in the hospital for the overdose incident, so that the toxicology results 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.¹

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



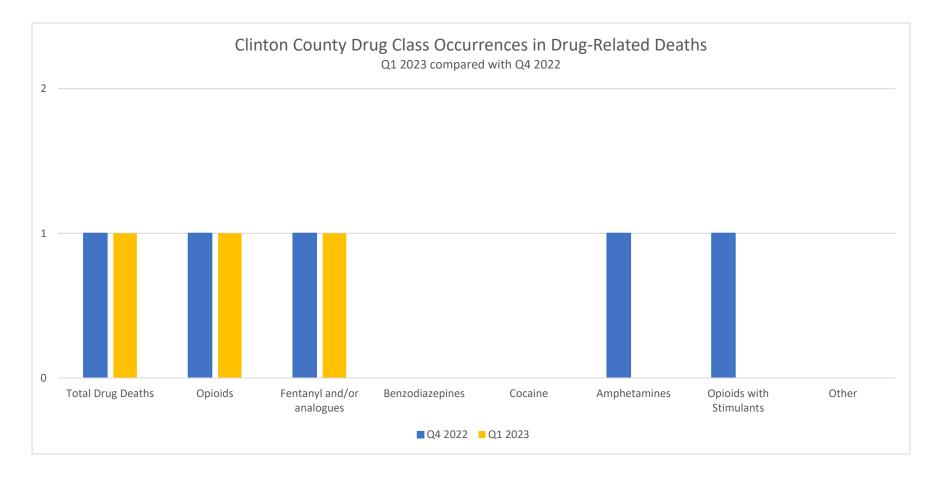


Clinton County

2023 Q1 Clinton County Drug-Related Deaths				
Sex	Age	Substance(s) Causing Death	Manner of Death	
Male	37	fentanyl, fluorofentanyl	Accident	

Clinton County

Drug-Related Deaths

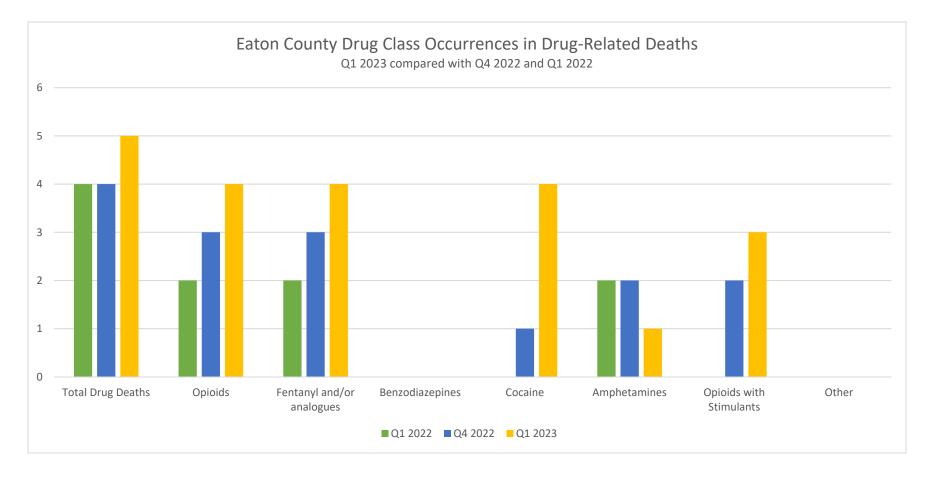


Eaton County

	2023 Q1 Eaton County Drug-Related Deaths				
Sex	Age	Substance(s) Causing Death	Manner of Death		
Male	33	cocaine, fentanyl	Accident		
Male	36	cocaine, fentanyl	Accident		
Female	37	cocaine, fentanyl, methamphetamine	Accident		
Female	43	fentanyl	Accident		
Male	68	cocaine	Accident		

Eaton County

Drug-Related Deaths



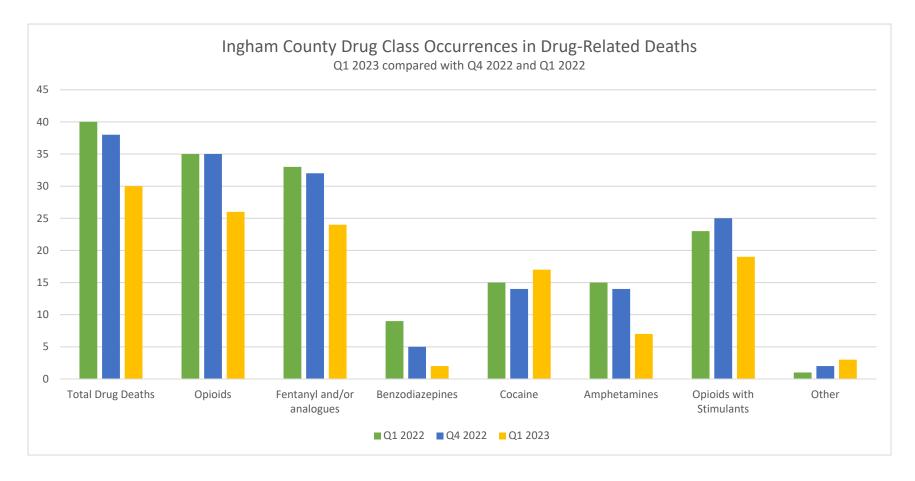
Ingham County

	2023 Q1 Ingham County Drug-Related Deaths					
Sex	Age	Substance(s) Causing Death	Manner of Death			
Female	23	fentanyl, methamphetamine	Accident			
Female	26	cocaine, eutylone, fentanyl, methamphetamine	Accident			
Male	28	cocaine, opioid	Accident			
Male	32	cocaine, fentanyl	Accident			
Female	33	fentanyl	Accident			
Male	35	cocaine, fentanyl	Accident			
Female	37	cocaine, fentanyl, fluorofentanyl, methamphetamine	Accident			
Female	37	cocaine, haloperidol, fentanyl, methadone	Indeterminate			
Male	38	ethanol, fentanyl	Accident			
Male	39	cocaine, fentanyl	Accident			
Male	43	alprazolam, amphetamine, clonazepam, fentanyl, methamphetamine	Accident			
Female	45	cocaine, fentanyl	Accident			
Female	47	fentanyl, methamphetamine	Accident			
Male	49	cocaine, fentanyl	Accident			
Male	51	cocaine, fentanyl	Accident			
Male	53	fentanyl, gabapentin	Accident			
Male	54	cyclobenzaprine, fentanyl, gabapentin, hydroxyzine	Accident			
Male	55	cocaine, fentanyl	Accident			
Male	56	metoprolol, naproxen, quetiapine	Suicide			
Male	58	cocaine	Accident			
Male	60	cocaine, fentanyl, methamphetamine	Accident			
Male	60	cocaine, fentanyl	Accident			
Male	61	cocaine, fentanyl, methamphetamine	Accident			

Male	61	ethanol, fentanyl	Accident
Female	61	cocaine, fentanyl	Accident
Male	61	ethanol, fentanyl, mitragynine	Accident
Male	63	ethanol	Accident
Male	64	ethanol	Accident
Male	67	cocaine, fentanyl	Accident
Male	70	oxycodone, temazepam	Suicide

Ingham County

Drug-Related Deaths

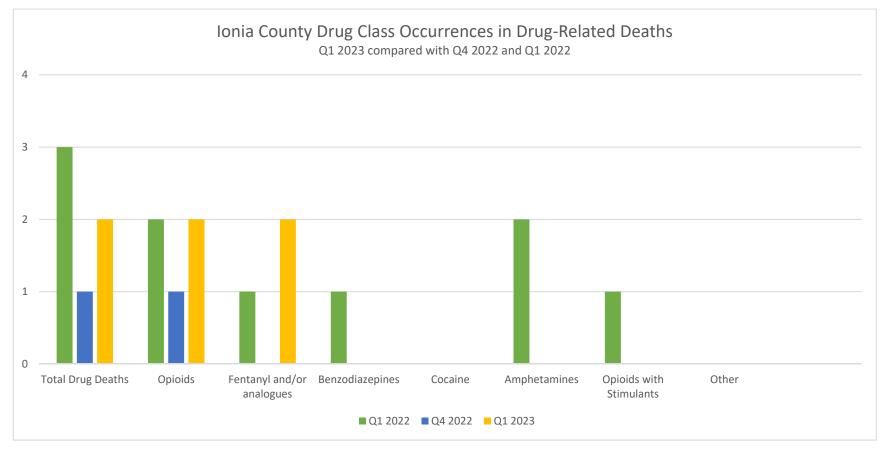


Ionia County

2023 Q1 Ionia County Drug-Related Deaths			-Related Deaths
Sex	Age	Substance(s) Causing Death	Manner of Death
Male	33	fentanyl	Accident
Male	50	fentanyl, heroin, tramadol	Accident

Ionia County

Drug-Related Deaths

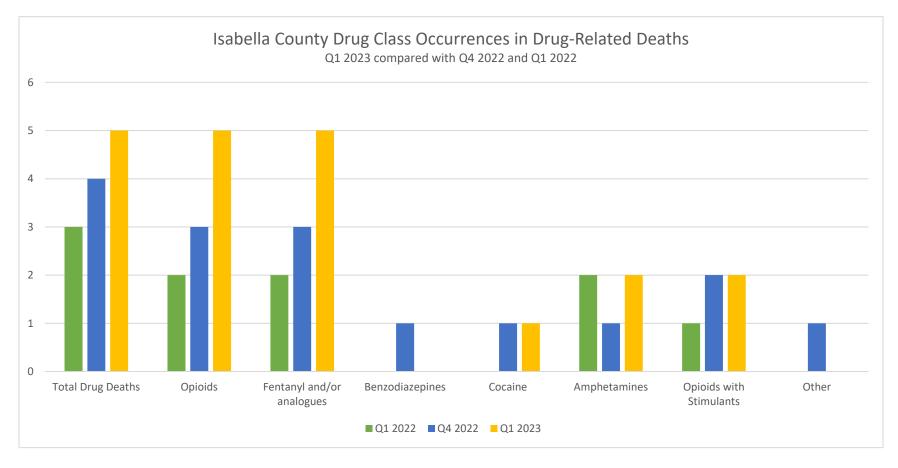


Isabella County

		2023 Q1 Isabella County Drug-Related Deaths	
Sex	Age	Substance(s) Causing Death	Manner of Death
Male	18	fentanyl	Accident
Female	22	cocaine, fentanyl, methamphetamine	Accident
Male	27	fentanyl	Accident
Female	32	fentanyl, methamphetamine	Accident
Male	33	ethanol, fentanyl	Accident

Isabella County

Drug-Related Deaths

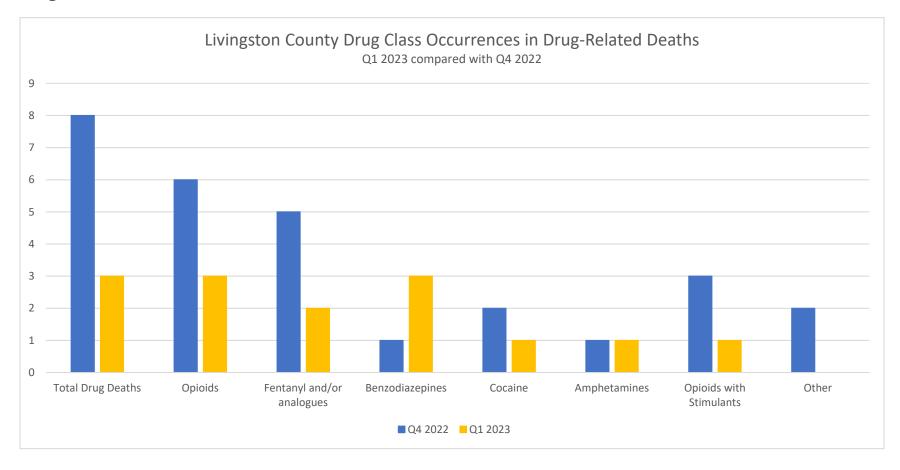


Livingston County

2023 Q1 Livingston County Drug-Related Deaths				
Sex	Age	Substance(s) Causing Death	Manner of Death	
Female	35	hydromorphone, nordiazepam, quetiapine	Suicide	
Male	35	amphetamine, cocaine, clonazepam, diazepam, fentanyl	Accident	
Male	35	alprazolam, fentanyl, heroin, tramadol	Accident	

Livingston County

Drug-Related Deaths

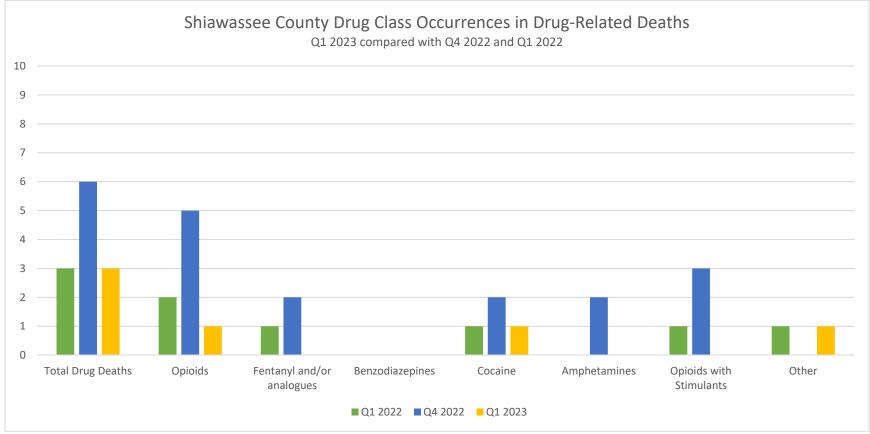


Shiawassee County

2023 Q1 Shiawassee County Drug-Related Deaths				
Sex	Age	Substance(s) Causing Death	Manner of Death	
Male	47	cocaine	Accident	
Female	51	diphenhydramine	Indeterminate	
Female	75	hydrocodone	Accident	

Shiawassee County

Drug-Related Deaths



Historical Data

