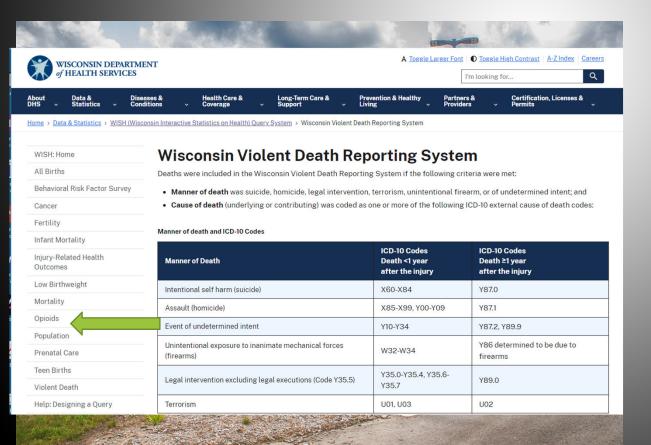
# DANE COUNTY MEDICAL EXAMINER 2016-2023 OVERDOSE DATA

HHN/PP&J JOINT COMMITTEE MEETING JUNE 22, 2023



#### OUR ROLE IN PUBLIC HEALTH

- Cause and Manner of Death
- Autopsies, External examinations
- Surveillance swabbing (COVID, Influenza, orthopox, etc)
- Data collection
- Violent Death Reporting System

#### Collect Vital Statistics



## Wisconsin Department of Health Services Statewide Vital Records Information System (SVRIS)

### **SVRIS BA**

#### **SVRIS BA:**

County Clerk (staff)
Funeral Director (staff)
Coroner/Medical Examiner (staff)
Physician (staff)

#### FIRST TIME USERS:

Add this site to your Trust for instructions. (PDF, 168

Setup Wizard: Click here Setup Wizard

## **Vital Statistics Reporting Guidance**

**Report No. 2 - May 2019** 



## A Reference Guide for Completing the Death Certificate for Drug Toxicity Deaths

#### Introduction

Death certificates provide critical information used by public health officials to detect trends in mortality overall and by cause. State and national mortality statistics based on death certificate data are often used to help determine which medical conditions receive research and prevention funding; set public health goals; and measure population health status at the local, state, and national levels. Because statistical data derived from death certificates are only as accurate as the information provided, it By following the instructions provided in this Reference Guide, certifiers will help ensure that their findings reported on death certificates are appropriately conveyed to others who use death certificate information for standardized statistical reporting and public health promotion.

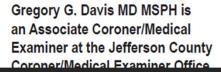
#### Completing the Death Certificate for Drug Toxicity Deaths

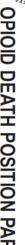
### National Association of Medical Examiners Position Paper: Recommendations for the Investigation, Diagnosis, and Certification of Deaths Related to Opioid Drugs

Gregory G. Davis MD MSPH and the National Association of Medical Examiners and American College of Medical Toxicology Expert Panel on Evaluating and Reporting **Opioid Deaths** 

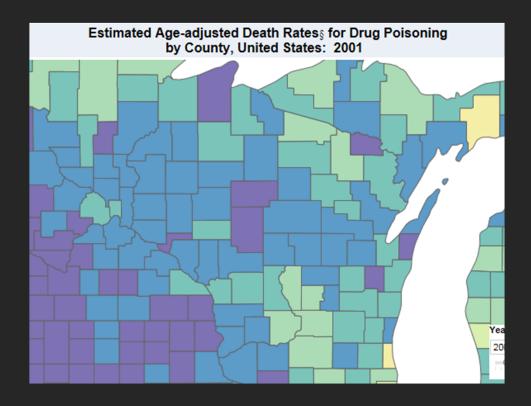
**ABSTRACT**: The American College of Medical Toxicology and the National Association of Medical Examiners convened an expert panel to generate evidence-based recommendations for the practice of death investigation and autopsy, toxicological analysis, interpretation of toxicology findings, and death certification to improve the precision of death certificate data available for public health surveillance. The panel finds the following:

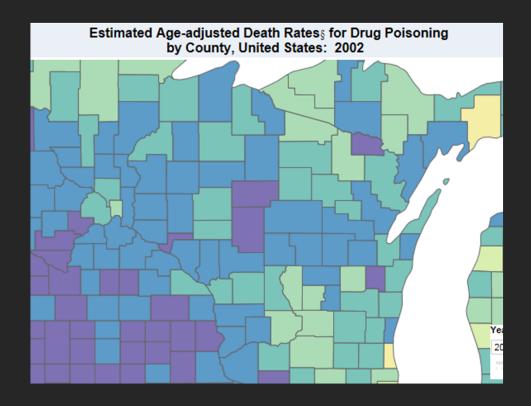
- 1. A complete autopsy is necessary for optimal interpretation of toxicology results, which must also be considered in the context of the circumstances surrounding death, medical history, and scene findings.
- 2. A complete scene investigation extends to reconciliation of prescription information and pill counts

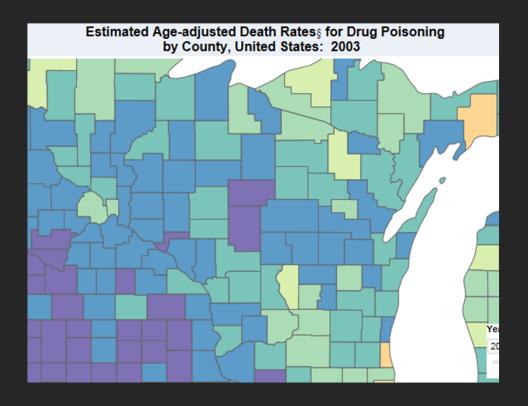


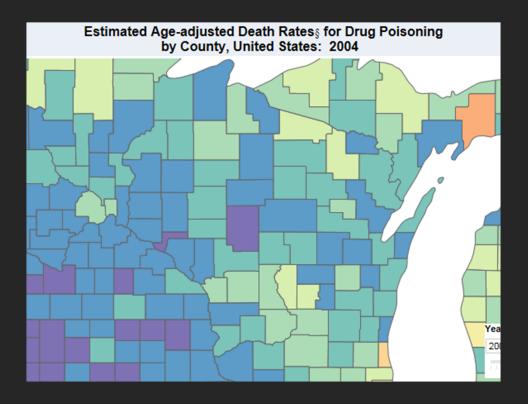


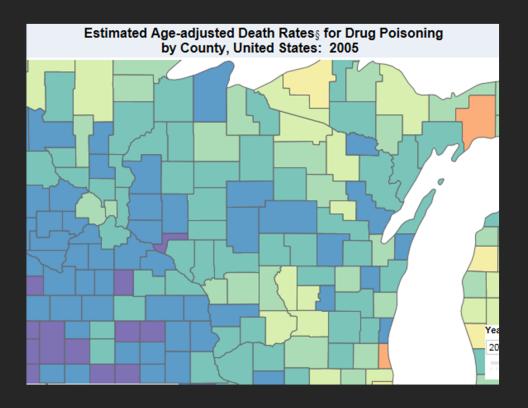
WVDRS: WISCONSIN VIOLENT DEATH REPORTING SYSTEM - 2014/2015 CORONER/MEDICAL EXAMINER FORM  Wounds: Code for the presence of firearm or sharp  (Alternative except death to respect the firearm or sharp)													
C/ME Name: County:			instrument wounds only.				(Ante-mortem or post-death tox samples are accepted.)  Suspected alcohol use in hours prior to death?						
Email Address:		_		Absent	Present	Unknown	□ 0. No □ 1. Ye		urs prior <b>]</b> 8. N/A	to deat	n? 9. Unkn	own	
Today's Date: / / / / / / / / / / / / / / / / / / /			Face:	Absent			Date specimens we	re colle	cted:		/	_/	
# of <u>deaths</u> associated in this incident: # of nonfatal firearm victims in incident: Police Agency investigating the death: Police Case #:			Intraoral:							:	(military)		
	Case #.	,	Upper Extremity:				Drug Category:	Testi	ng:	Resul	ts:		
VICTIM INFORMATION:			Lower Extremity:					1. Te	sted at Tested		sent - list o	drug name(s)	
Last Name:	Race: White Black Asian Pacific Islander American Indian Other Unspecified		Neck:						nknown		known		
First Name:			Spine:				Blood Alcohol					(e.g., .08)	
Middle Name: / / / /	Hispanic: 0. Not Hispanic 1. Hispanic 9. Unknown		Head:				Amphetamines			_			
Date of Birth: / /	Residential Address:		Abdomen:				Anticonvulsants			$\perp$			
Age: Indicate: _ minutes, _ days, _ months, _ years	City:		Number of wounds:		_	_	Antidepressants			-			
Sex: 1. Male 2. Female 9. Unknown	State: Zin Code:		(e.g. 1 entry + 1 exit = 2				Antipsychotics			-	_		
Transgender: 0. No 1. Yes 9. Unknown	Country:		Number of bullets th	at hit victin	n:		Cocaine		-	-	_		
Height: (feet) (inches) Weight: (lbs)							Marijuana			-	_		
Marital Status:	Alternative Sexual Orientation:						Muscle Relaxants Opiates			-			
1. Married 2. Never Married 3. Widowed 4. Divorced 5. Married, but separated 6. Single, not otherwise specified	0. Straight/Heterosexual 1. Gay 2. Lesbian 3. Bisexual 9. Unknown						Other			_			
9. Unknown	3. Bisexual 9. Unknown		Circumstances know	m? Check if Y	ES, then complet	the table below:	Other						
Actual Date of Death: / /	Location where injured: 1. House, apartment 2. Street, road,		SUICIDE, I	HOMICIDE,	UNDETERMINI	D, OR LEGAL	INTERVENTION DEA	TH		UNII	NTENT	IONAL DEATH	
Manner of Death:	sidewalk, alley 3. Highway, freeway 4. Motor vehicle (excluding 15 & 21) 5. Bar, nightclub 6. Service station 7. Bank, credit union, ATM		Check all that apply:			Check all to	hat apply:			Conte	et of Ini	urv: What was	
1 Natural 2 Accident 3 Suicide 4 Homicide	8. Liquor store 9. Other commercial establishment (e.g., grocery store) 10. Industrial/Construction areas 11. Office building 12. Parking lot/		Mental Health and Sub	stance Abus	е	Arguments, C	onflicts, Previous Exposu	re to Viol	ence	the sho	oter do	ing at the time of	
5. Pending Investigation 6. Could Not be Determined	■10. Industrial/Construction areas ■11. Office building ■12. Parking lot/		Mental health problem				ent sy (lover's triangle)			the injury? (Check all that apply):			
7. Legal Intervention 9. Record Unavailable or Blank	public parking garage 13. Abandoned house/ building/ warehouse 14. Sports or athletic area 15. School bus 16. Child care center,		If so, check type	(Choose up to	2):	Abuse of	r neglect led to death					apply):	
Victim was killed by another person who <u>attempted or committed</u> suicide. (check if yes)	daycare, pre-school 17. Elementary or middle school (i.e., K-8)		1. Depression 2.				of abuse or neglect as a s perpetrator of violence			Hu	nting get sho	atina	
, , ,	18. High school 19. College/ University, including dormitory, fraternity 20. Unspecified school 21. Public transportation or station (e.g., bus, train)		5.Post-traumatic stre	ss disorder 🔲	<ol><li>ADD or hyperacti</li></ol>	ity   Previous	s victim of violence (in pa	st month	1)			sive shooting	
Place of Death:  1. Hospital inpatient 2. ED/Outpatient 3. DOA	22 Church, temple, synagogue 23. Hospital or medical facility		disorder 7. Eating di disorder 88. Not app	isorder 8.0	bsessive-compulsiv	Suicide Mai					ebratory		
■4. Hospice facility ■5. Nursing home/long-term care facility	24. Supervised residential facility (e.g., shelter, halfway house) 25. Farm 26. Jail, prison, detention center 27. Park, playground, public use area		□66 Other	_			of suicide attempts  disclosed intent to con	amait aud	- 1		ading/un aning g	loading gun	
6. Decedent's home 7. Other, specify:	26. Jail, prison, detention center 27. Park, playground, public use area 28. Natural area (e.g., field, river, beaches, woods)		In current treatment	t for mental il	Iness		icide note	imit suit		□ She	owina ai	un to others	
9. Unknown/Undetermined	29. Hotel/motel 30. Railroad tracks 31. Bridge 99. Unknown 66. Other		Alcohol problem	illai iiilless		History	of expressed suicidal the	oughts /	plans		ying wit	h gun ext of injury	
State of Death:			Other substance pro	oblem		Life Stresso			l		er conte	ext of injury	
Address of Injury:	Homeless?: ☐0. No ☐1. Yes ☐9. Unknown		Relationship Problems			Contribu	thin past 2 weeks (receiting criminal legal probl	nt/impen em	aing)			finjury: Why did	
City of Injury:	Current occupation status:1. Employed*2. Unemployed3. Homemaker4. Retired5. Student6. Disabled		Intimate partner vio	lence - Hom	icide only	Civil leg	al problems			,	iry occu		
State of Injury: Zip Code: County of Injury:	3. Homemaker 4. Retired 5. Student 6. Disabled 8. N/A (under 14) 9. Unknown		Intimate partner pro	blem – Suici	de only	Contribu	ting physical health pro	blem		•		apply):	
	*If employed, list occupation:		Family relationship Other relationship	problem		Financia	l problem			The	ught sa	ifety was engaged in was unloaded,	
Incident occurred at victim's residence:  0. No 1. Yes 9. Unknown			Crime Related	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		□ School	oroblem					ın was unloaded, vas disengaged	
	Victim in custody when injured:0. Not in custody1. In jail or prison2. Under arrest, but not in jail3. Committed to mental hospital		Precipitated by ano				loss of home of a friend or family			The	ought gu	ın was unloaded,	
Injured at work: 0. No 1. Yes	4. Resident of other state institution 5. In foster care 6. Injured prior to		Nature of other crin	ne: (Choose u Robbery 🖽 3 F	<i>ip to 2)</i> Burdary	Other de	eath of friend or family			oth		nally pulled trigger	
8. N/A (e.g., child, retiree, unemployed) 9. Unknown	arrest 8 Other (includes house arrest electronic monitoring legal home				3.2.7	Appiyon	any of a traumatic over	+			Keriuor	iany puneu ingger	

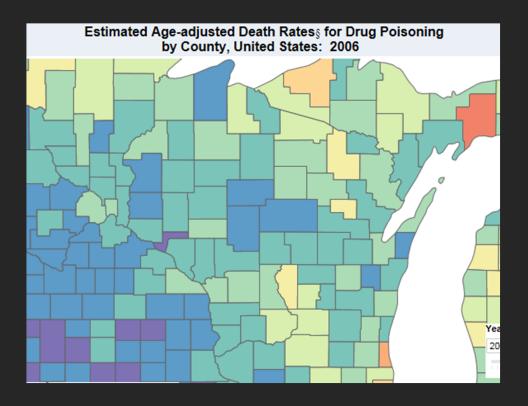


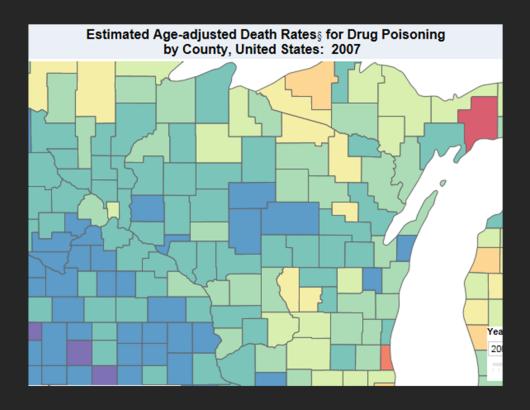


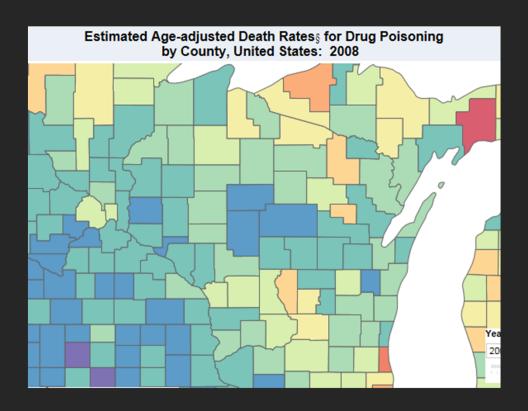


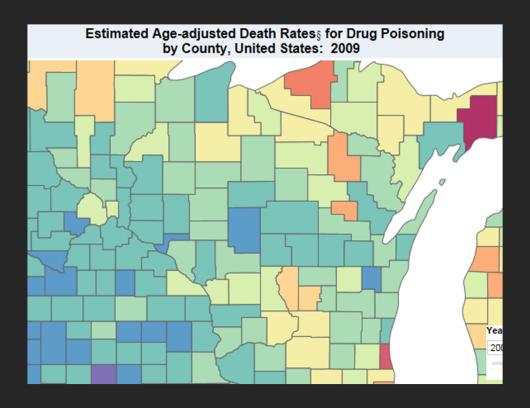


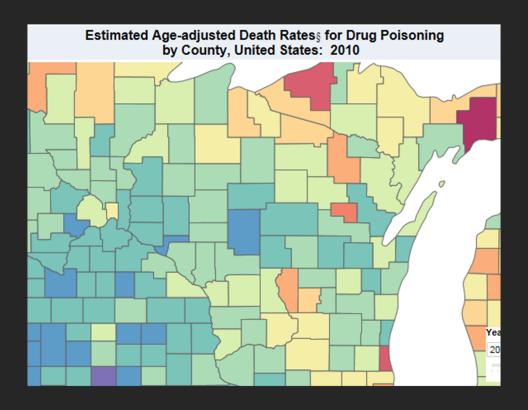


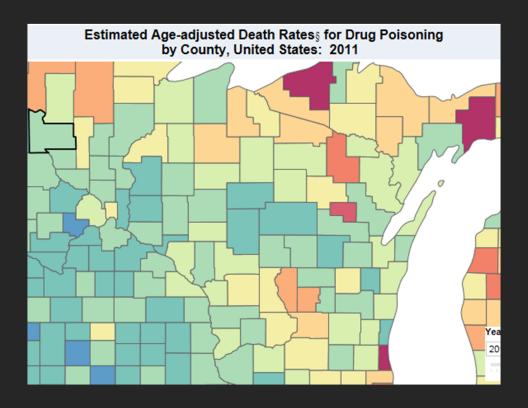


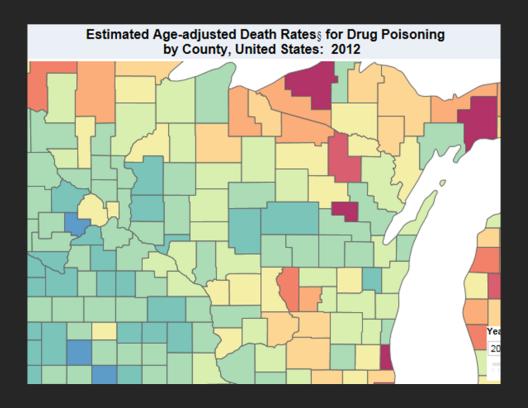


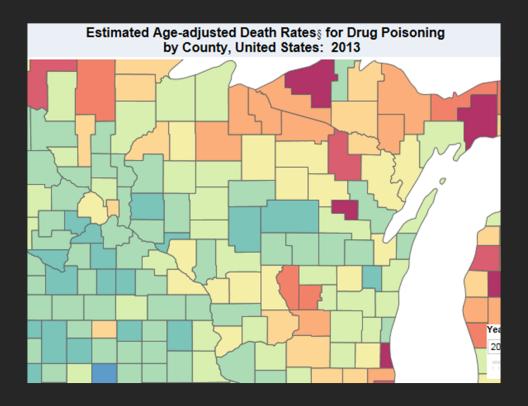


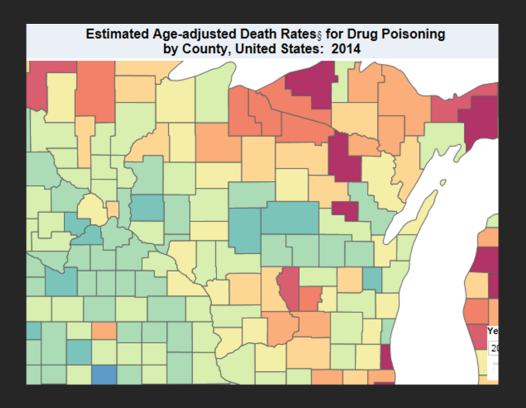












## POSTMORTEM DATA COLLECTION

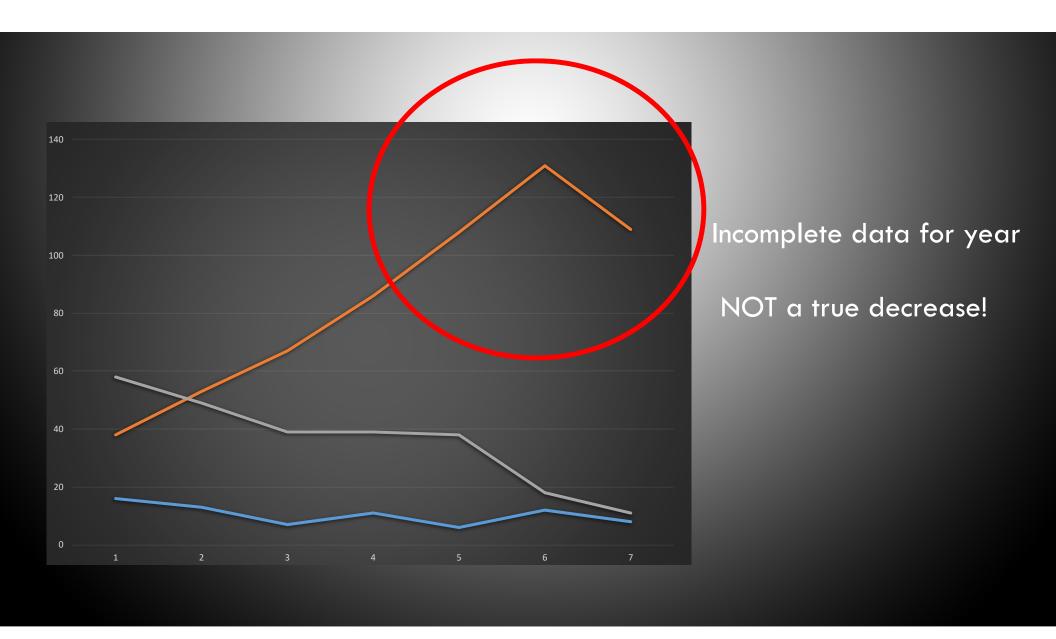
#### **ADVANTAGES**

- Confirmed cause of death
- Granular data ALL drugs detected
- County/State/National data available
- Actions an be directed to root causes, large trends

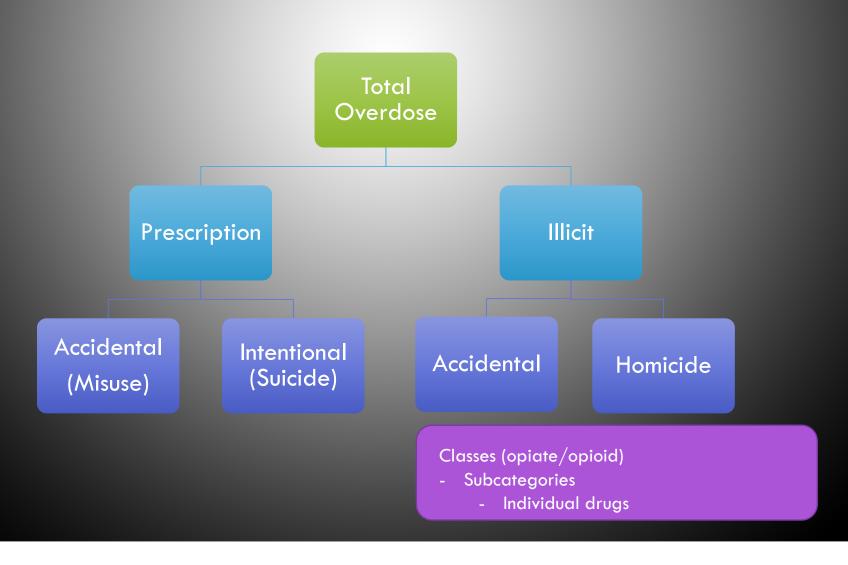
#### LIMITATIONS

Time

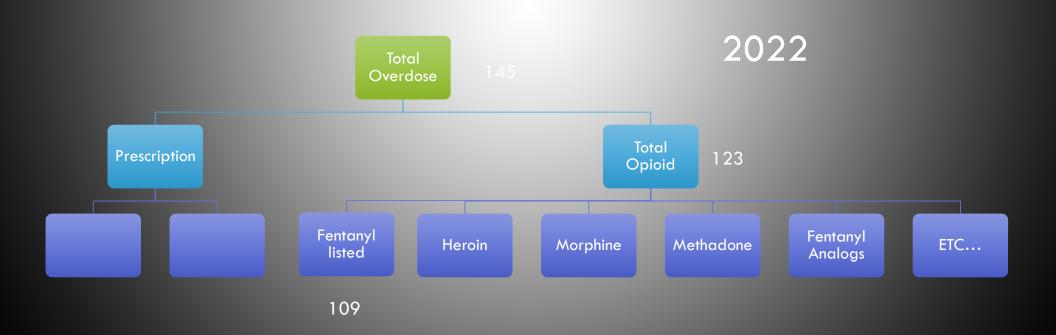
Not able to apply in the moment



## Understanding the Data and Relationships



### Understanding the Raw Data and Relationships



### POSTMORTEM DATA COLLECTION

#### **ADVANTAGES**

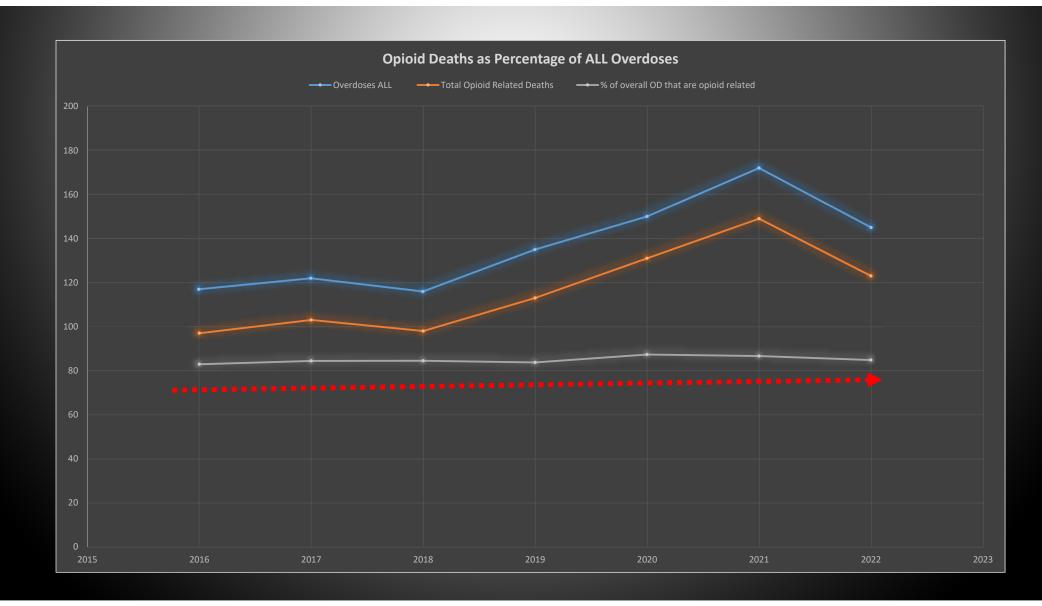
- Confirmed cause of death
- County/State/National data available
- Actions an be directed to root causes, large trends

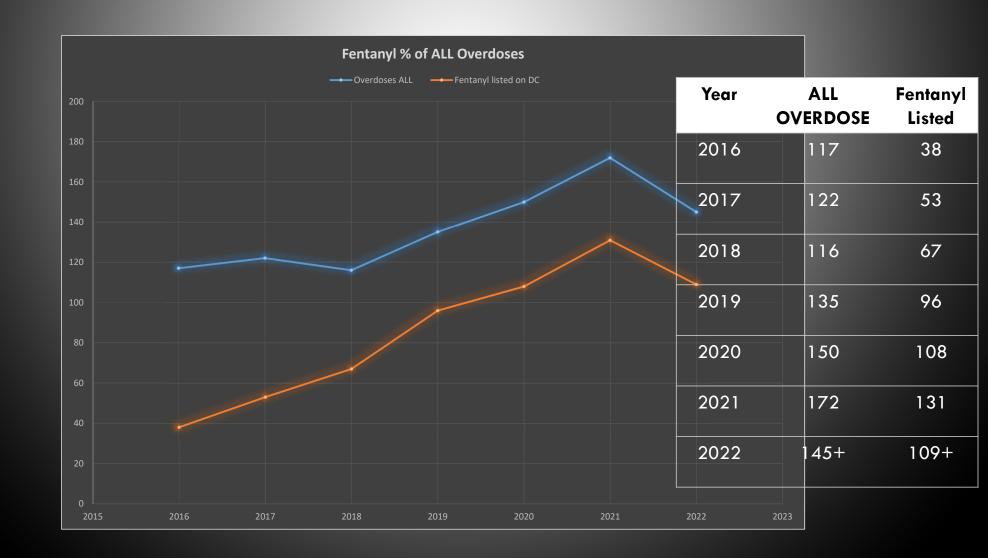
#### LIMITATIONS

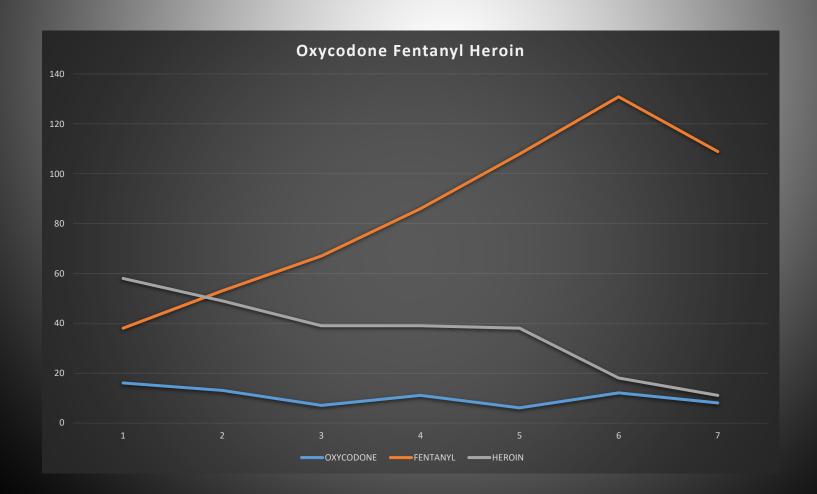
- Time
- Not able to apply in the moment
- Level of drugs out there may appear elevated due to MIXED intoxication

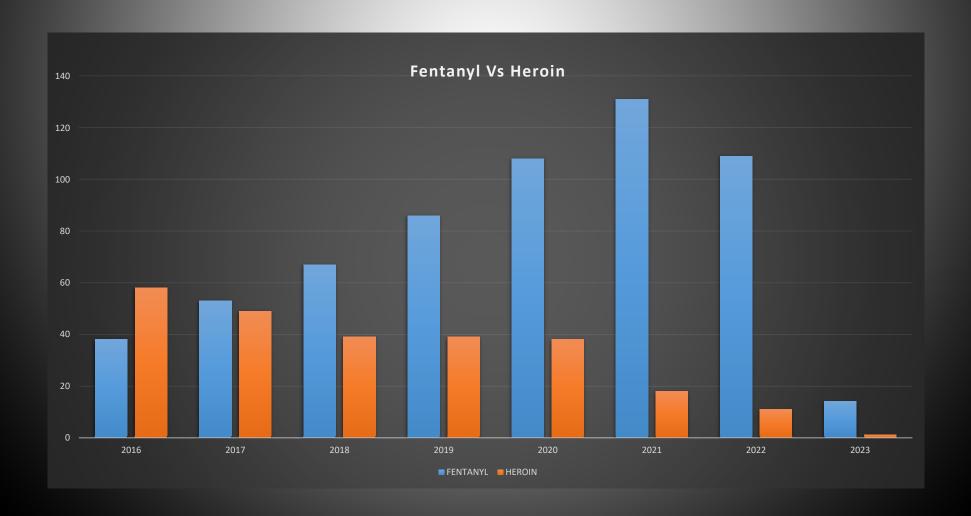
## DANE COUNTY OPIATE/OPIOID RELATED DEATHS

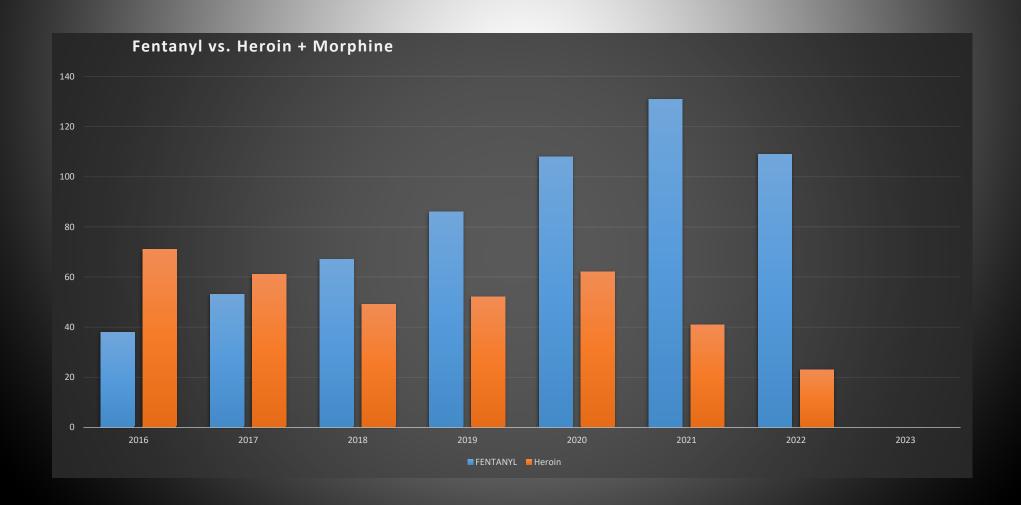
YEAR	Overdoses ALL	Total Opioid Related Deaths	% of overall OD that are opioid related	Fentanyl listed on DC	% of overall OD that include Fentanyl
2022	145	123	84.82	109	75.17
2021	172	149	86.63	131	76.16
2020	150	131	87.33	108	72.00
2019	135	113	83.70	96	71.11
2018	116	98	84.48	67	57.76
2017	122	103	84.43	53	43.44
2016	117	97	82.91	38	32.48

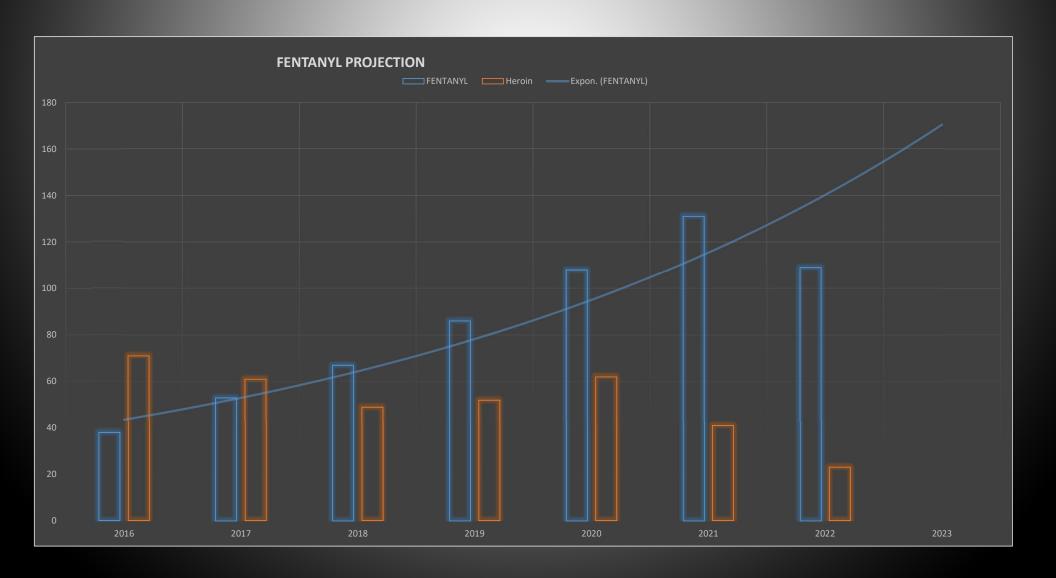


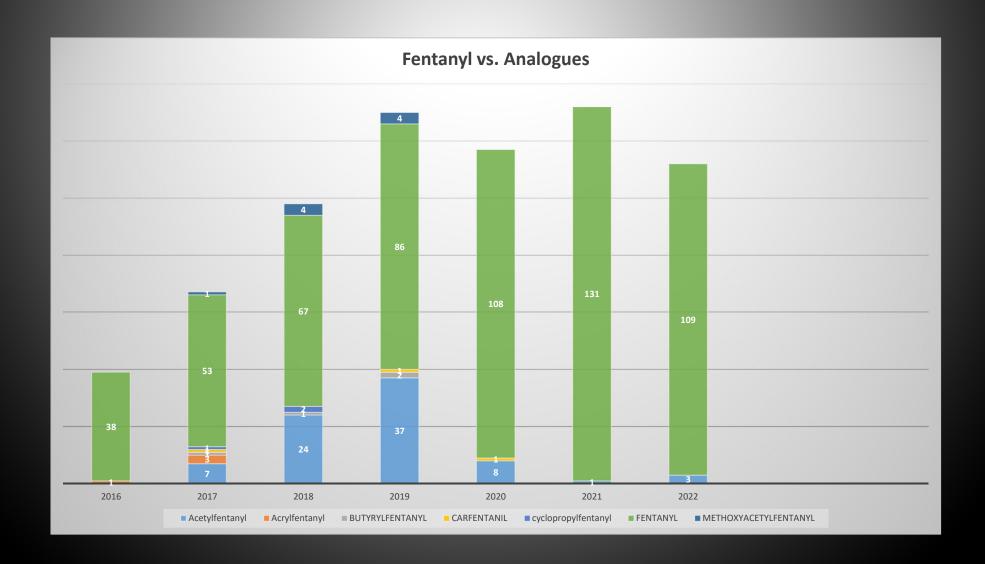






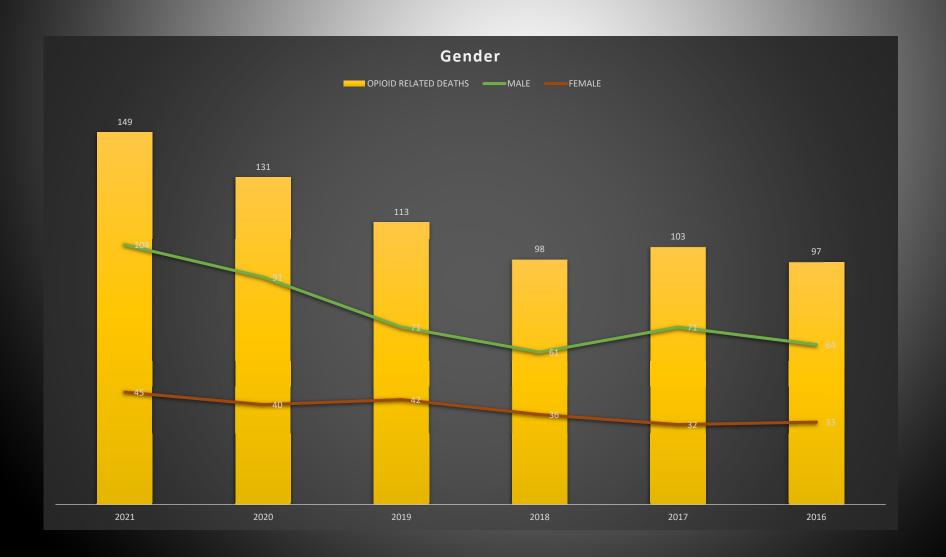


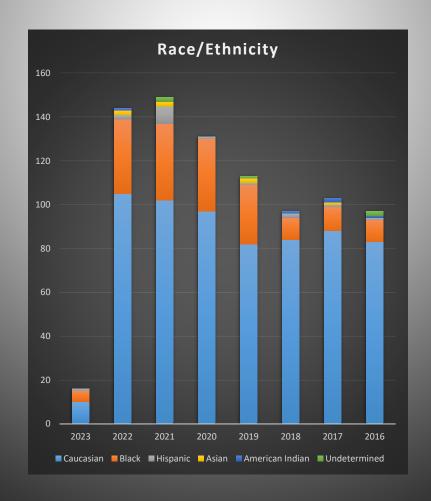




## Stereotypes of addiction







## \* Infant deaths





# THANK YOU

ROGALSKA.AGNIESZKA@COUNTYOFDANE.COM