

Wayne County Medical Examiner Office 2010 Annual Report Data

Gerry Polverento

Presented 4/27/2011

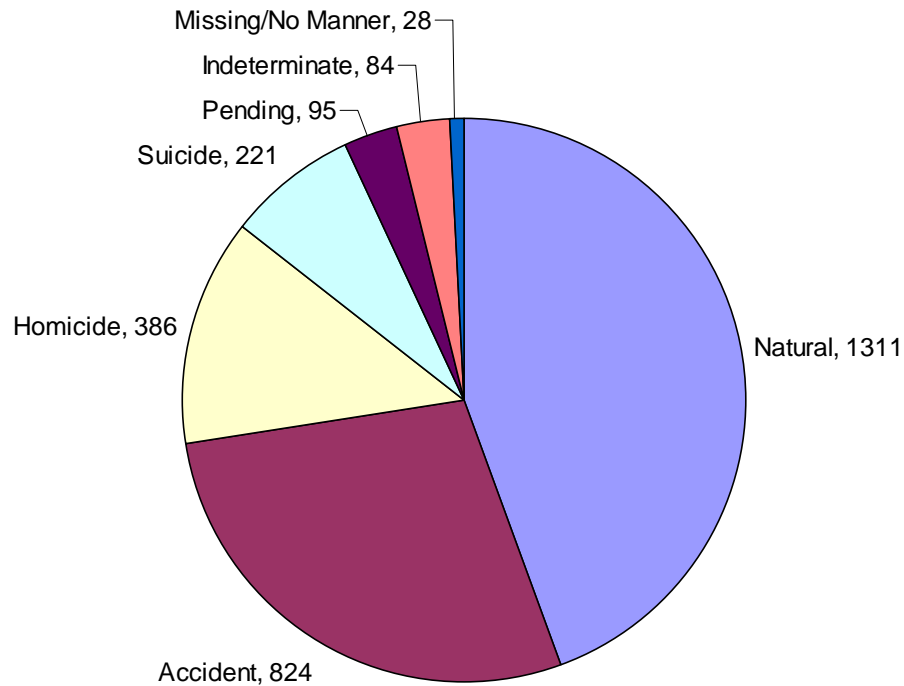


Administrative Data 2009 & 2010 Comparison

	2010	2009	% Change
Cases Reported to WCMEO:	12,755	13,258	-4%
Cases Ordered in as Medical Examiner Case:	2,949	3,111	-5%
Full Autopsies Performed:	2,240	2,447	-8%
External Exams Performed:	653	564	+16%
Limited Autopsies Performed:	56	38	+47%
Cremation Permits Issued:	7,546	7,236	+4%
Toxicology Tests Performed:	2,949	3,111	-5%

2010 Ordered in Cases by Manner

Manner of Death for 2010 Cases
N=2,949

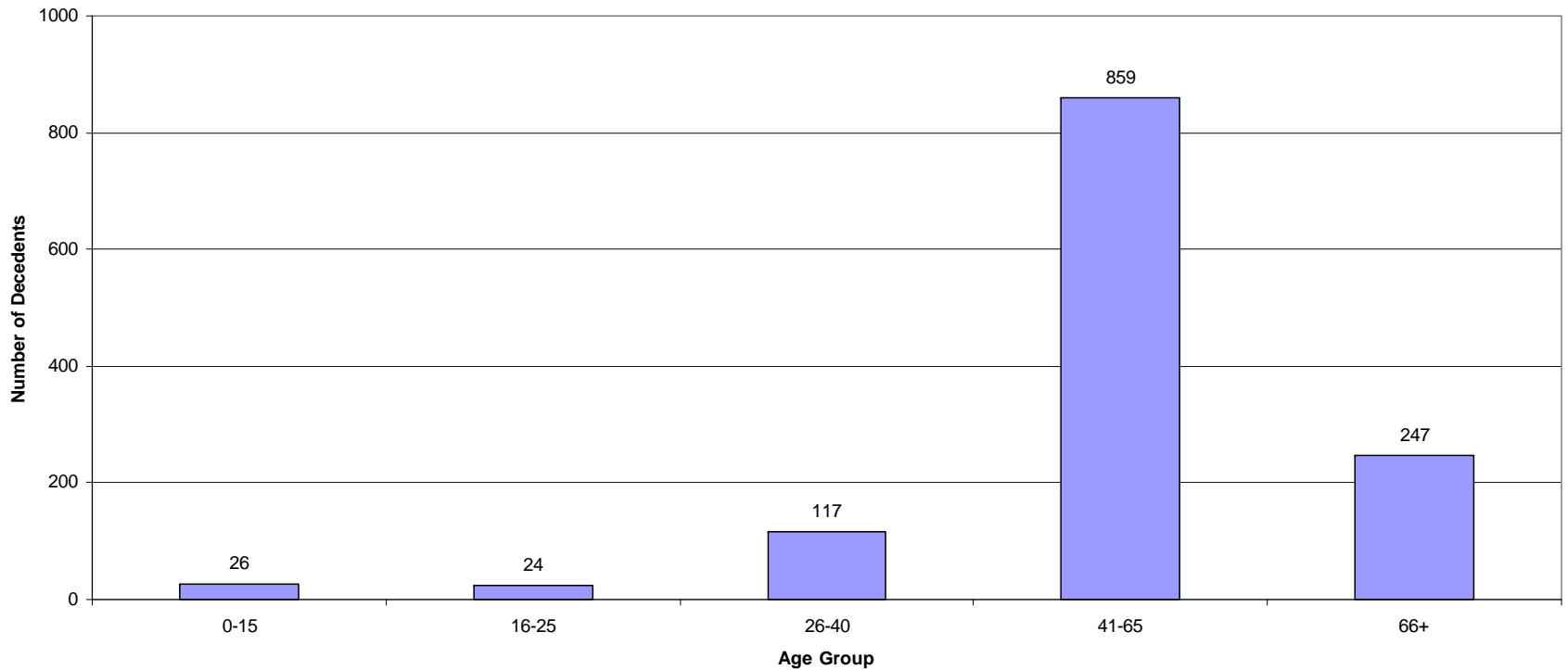




Wayne County Natural Deaths

Natural Deaths by Age Group-2010

Natural Deaths by Age 2010
N=1,273

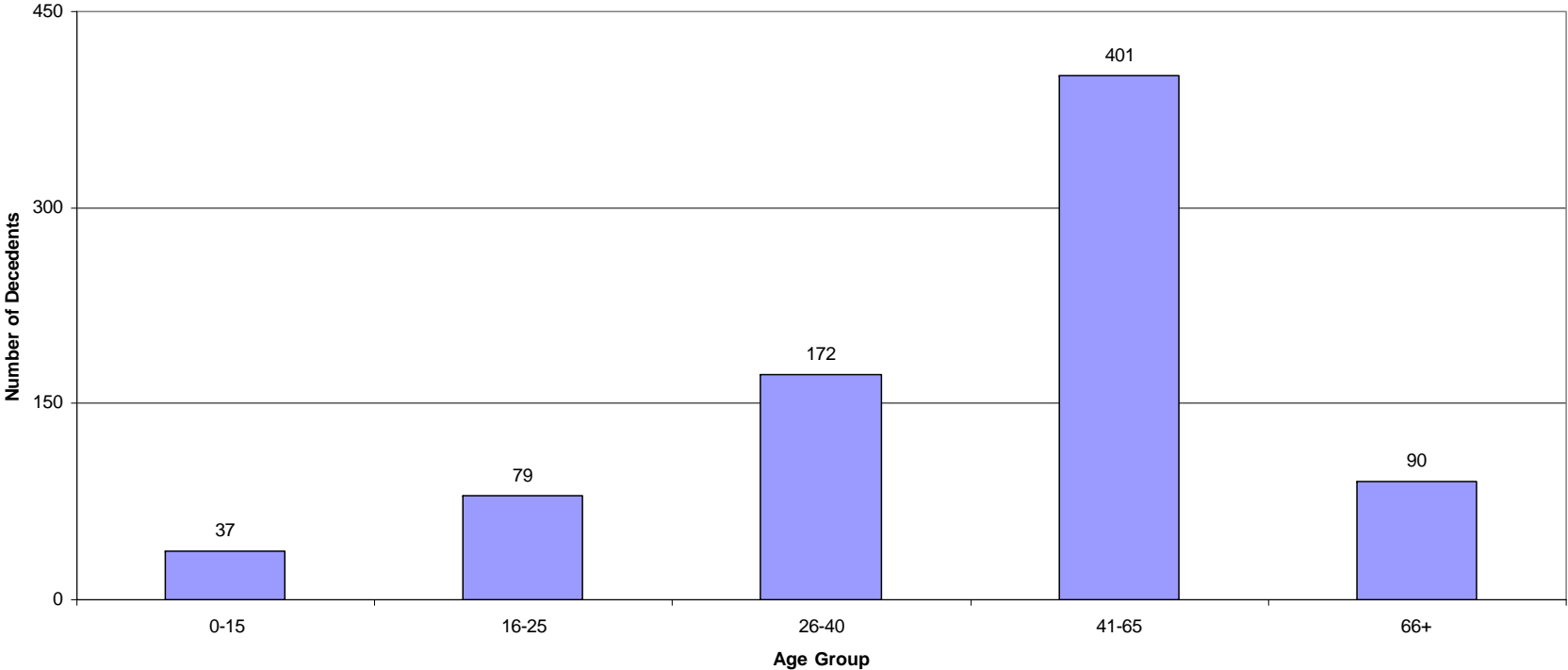


A decorative graphic on the left side of the slide, consisting of a light green vertical bar and a white rounded rectangle with a green top-left corner. A thick dark blue horizontal bar spans across the slide, partially overlapping the white rounded rectangle.

Wayne County Accidental Deaths

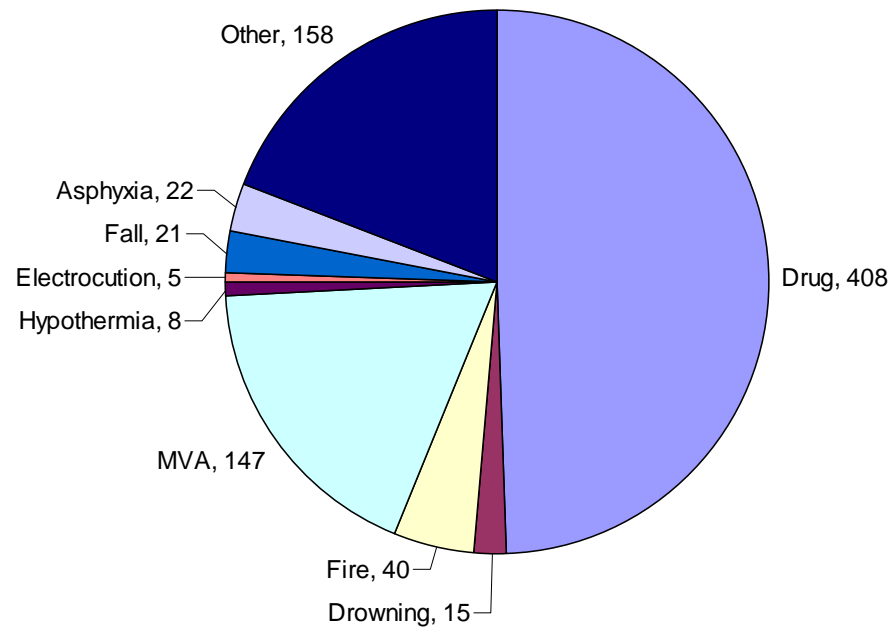
Accidental Deaths by Age Group-2010

Accidental Deaths by Age Groups
N=779



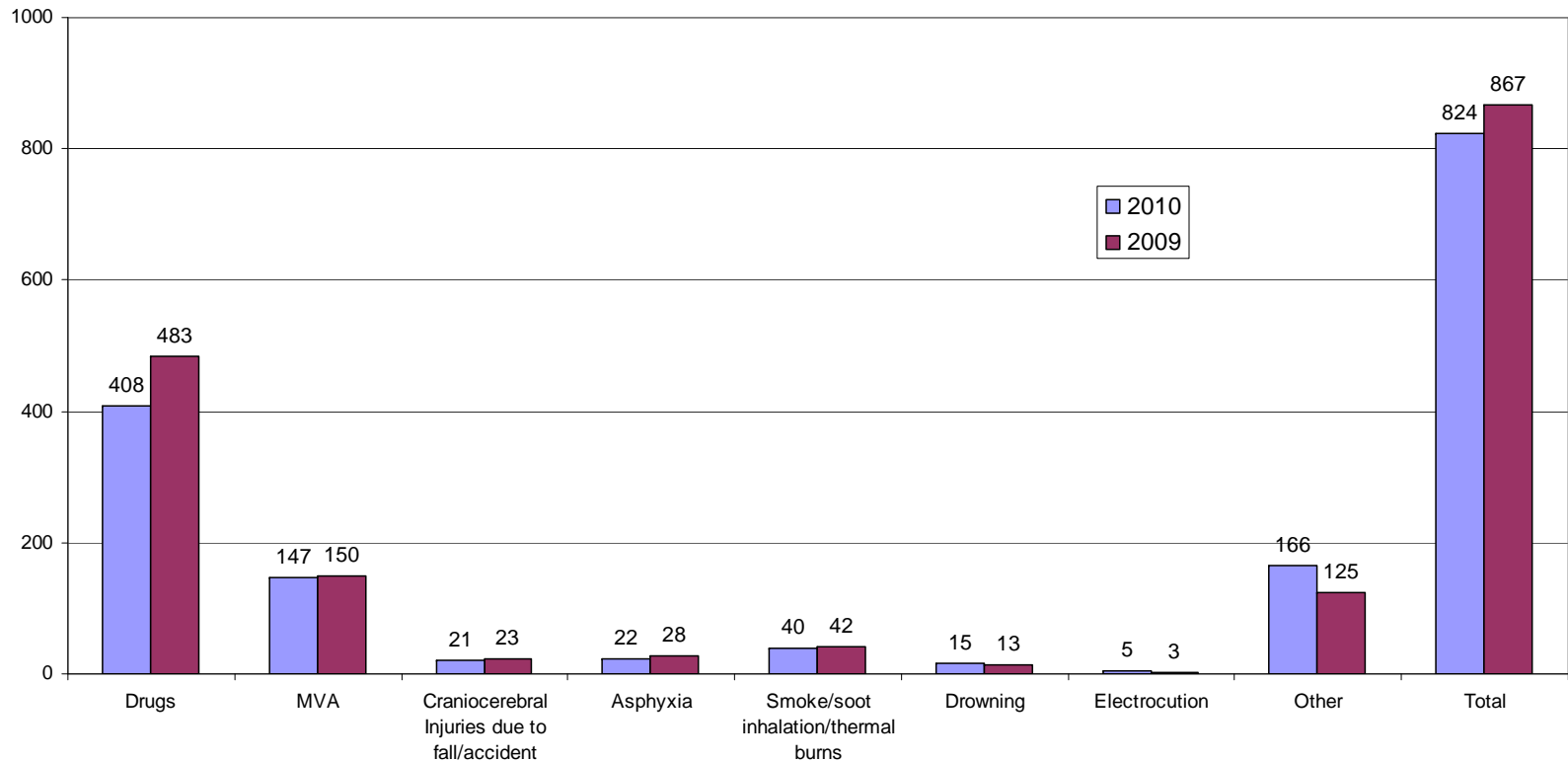
2010 Accident Deaths by Cause

Types of Accident Deaths by Cause for 2010
N=824



Accidental Deaths: 2010-2009 Comparison

Accidental Deaths 2009 - 2010 Comparison



Accidental Deaths: 2010-2009 Common Cause Comparison

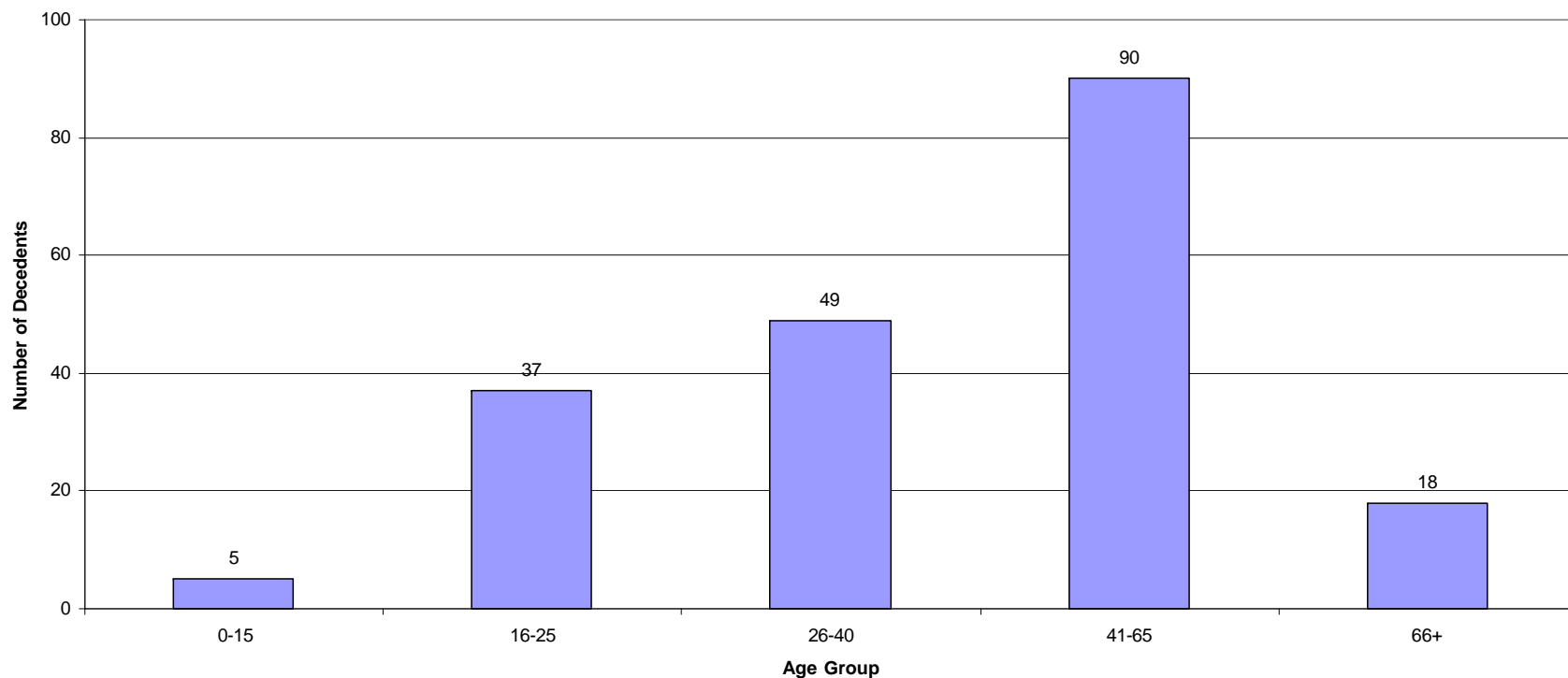
Accidental			
	2010	2009	% Change
Drugs	408	483	-15%
MVA	147	150	-2%
Craniocerebral Injuries due to fall/accident	21	23	-9%
Asphyxia	22	28	-2%
Smoke/soot inhalation/thermal burns	40	42	-5%
Drowning	15	13	-15%
Electrocution	5	3	+67%
Other	166	125	+33%
Total	824	867	-5%

A decorative graphic in the top-left corner consisting of a light green square partially overlapping a white rounded rectangle, with a dark blue horizontal bar extending from the white shape across the top of the page.

Wayne County Suicide Deaths

Suicide Deaths by Age Group-2010

Suicide Deaths by Age Group
N=199



Suicide Deaths: 2009-2010 Common Cause Comparison

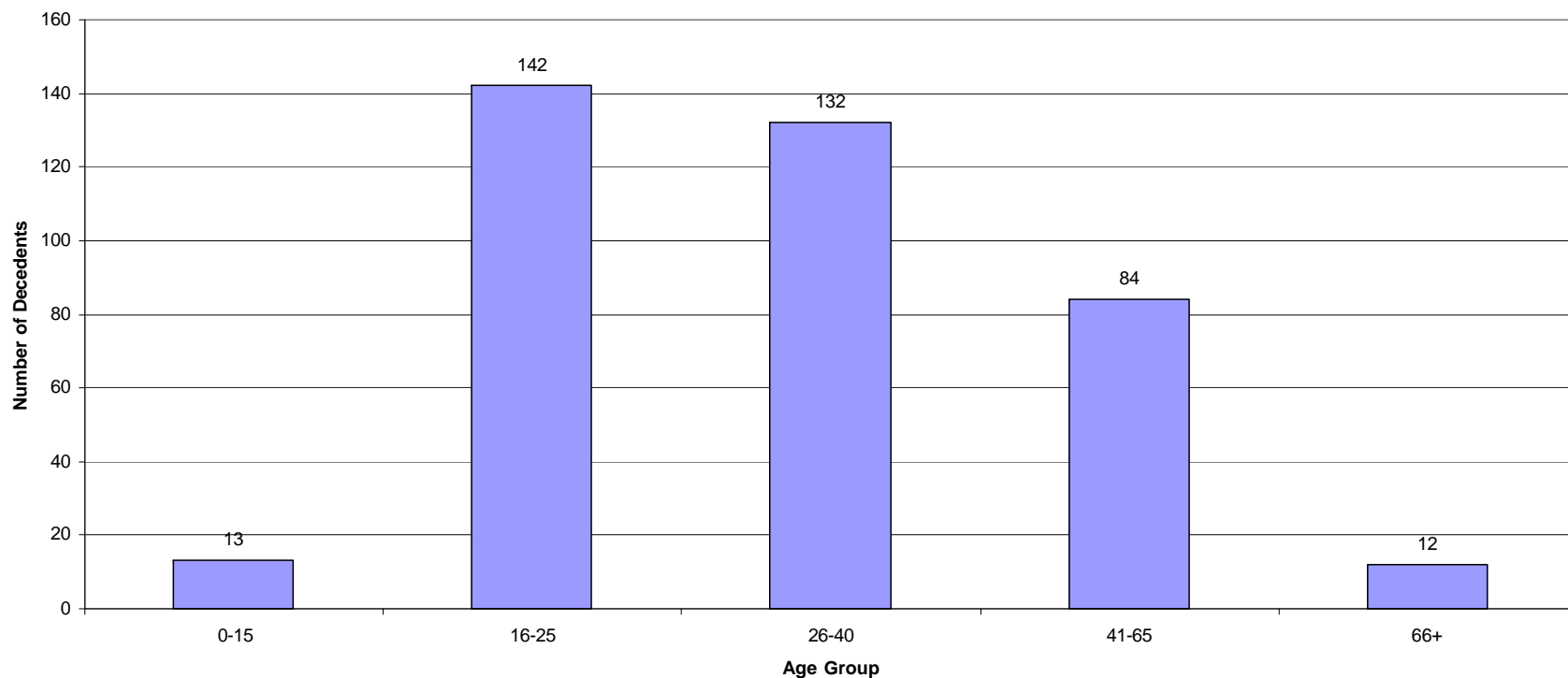
Suicide			
	2010	2009	% Change
Gunshot	94	91	+3%
Hanging/Asphyxia	58	48	+21%
Drugs/CO2	21	27	-22%
Drowning	1	5	-80%
Other	25	21	+19%
Total	199	192	+4%



Wayne County Homicide Deaths

Homicides by Age Group-2010

Homicides by Age Group
N=383



Homicides: 2009-2010

Common Cause Comparison

Homicide			
	2010	2009	% Change
Gunshot/shotgun (Firearm)	307	349	-12%
Blunt force Trauma	21	24	-13%
Stabbings	26	23	+13%
Other	29	28	+4%
Total	383	424	-10%

Homicides by Age Race and Sex

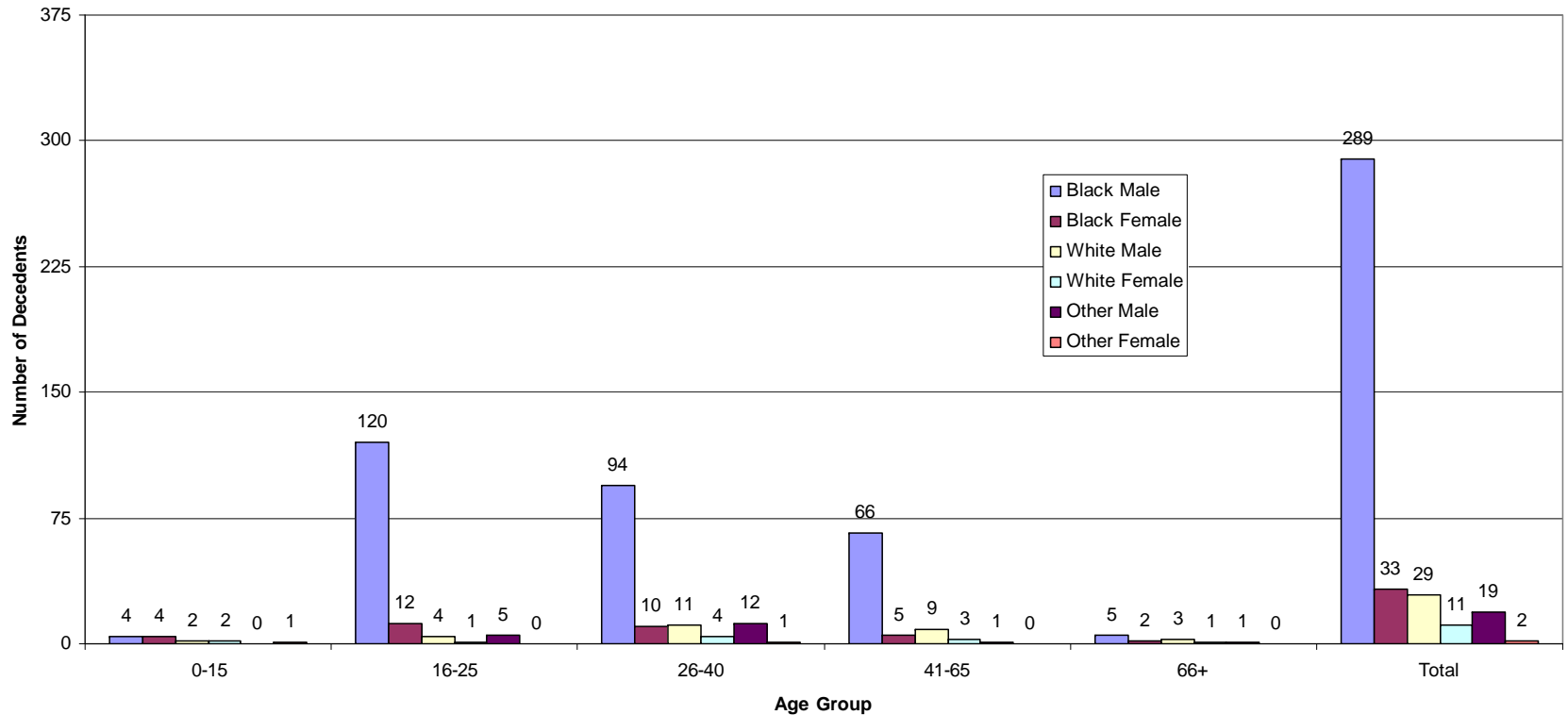
2010 Homicides

N = 383

Age	Black		White		Other	
	Male	Female	Male	Female	Male	Female
0-15	4	4	2	2	0	1
16-25	120	12	4	1	5	0
26-40	94	10	11	4	12	1
41-65	66	5	9	3	1	0
66+	5	2	3	1	1	0
Total	289	33	29	11	19	2

Homicides by Age Race and Sex

Wayne County Homicides by Age Race and Sex - 2010
N=383





Wayne County Deaths Involving Drugs

Drug Overdose Notation

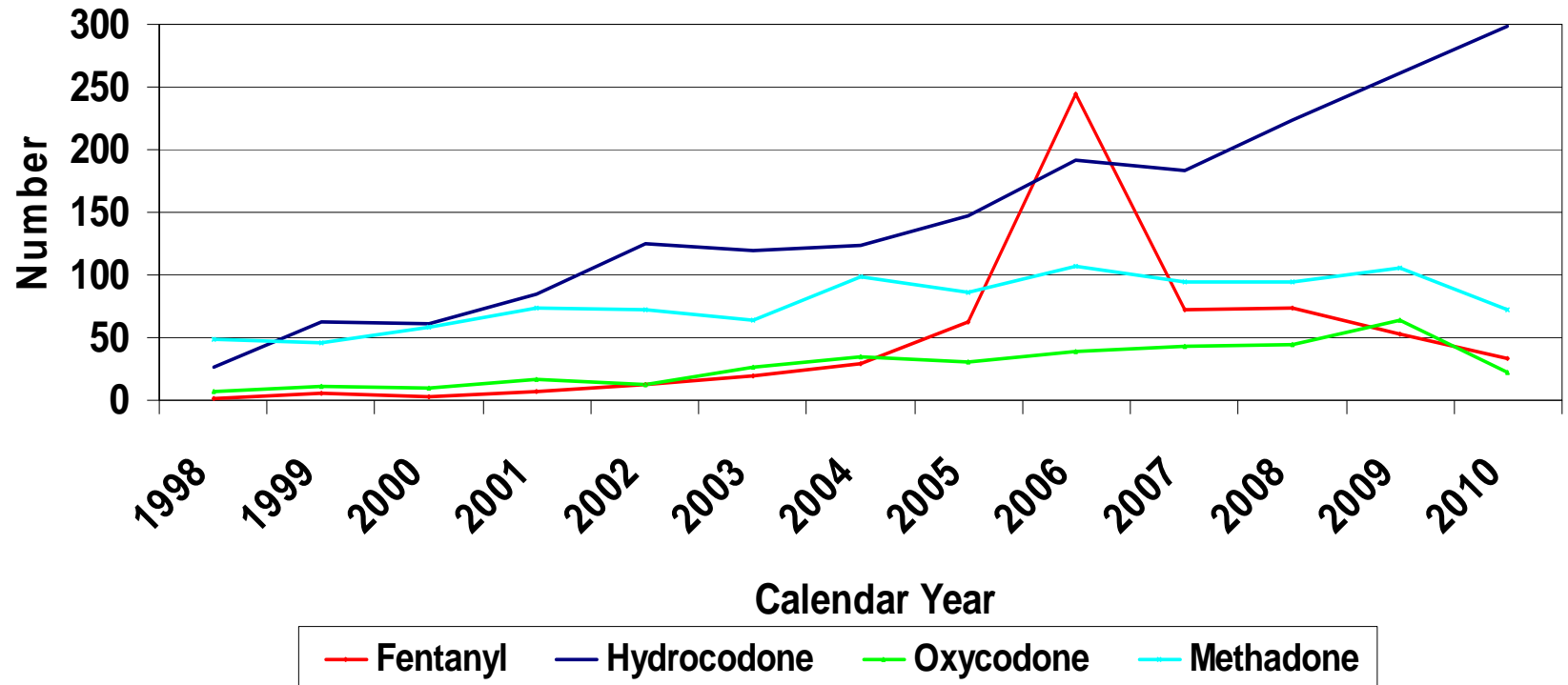
- **Please Note:** The following tables and graphs include instances where the decedent used/overdosed on more than one drug. The following table and chart are meant to illustrate the instances of drug use and not the instances of drug deaths pertaining to the specifically mentioned drugs in the following tables.
- Drug Overdose Deaths in 2010 = 481.

Drug Overdose Deaths: 2010

2010 Drug Deaths	White		Black		Other Race		Total Deaths
	Male	Female	Male	Female	Male	Female	
Heroin	63	29	41	14	2	1	150
Cocaine	38	24	44	23	0	0	129
Fentanyl	4	1	0	1	0	0	6
Methadone	11	7	4	3	0	0	25
Opiate	13	2	5	3	0	0	23
Alcohol	24	9	16	3	2	0	54
Morphine	6	3	3	4	0	0	16
Oxycodone	8	1	1	3	0	0	13
Hydrocodone	7	9	1	2	0	0	19
Unspecified/multiple drug	27	44	6	20	0	0	97
Total Drug Use Resulting in Death*	201	129	121	76	4	1	532

***Please Note:** There are instances where the decedent used/overdosed on more than one drug. The preceding chart is meant to show the instances of drug use and not the instances of drug deaths pertaining to the specifically mentioned drugs in the preceding tables.

Trends in Opiate Use in Wayne County



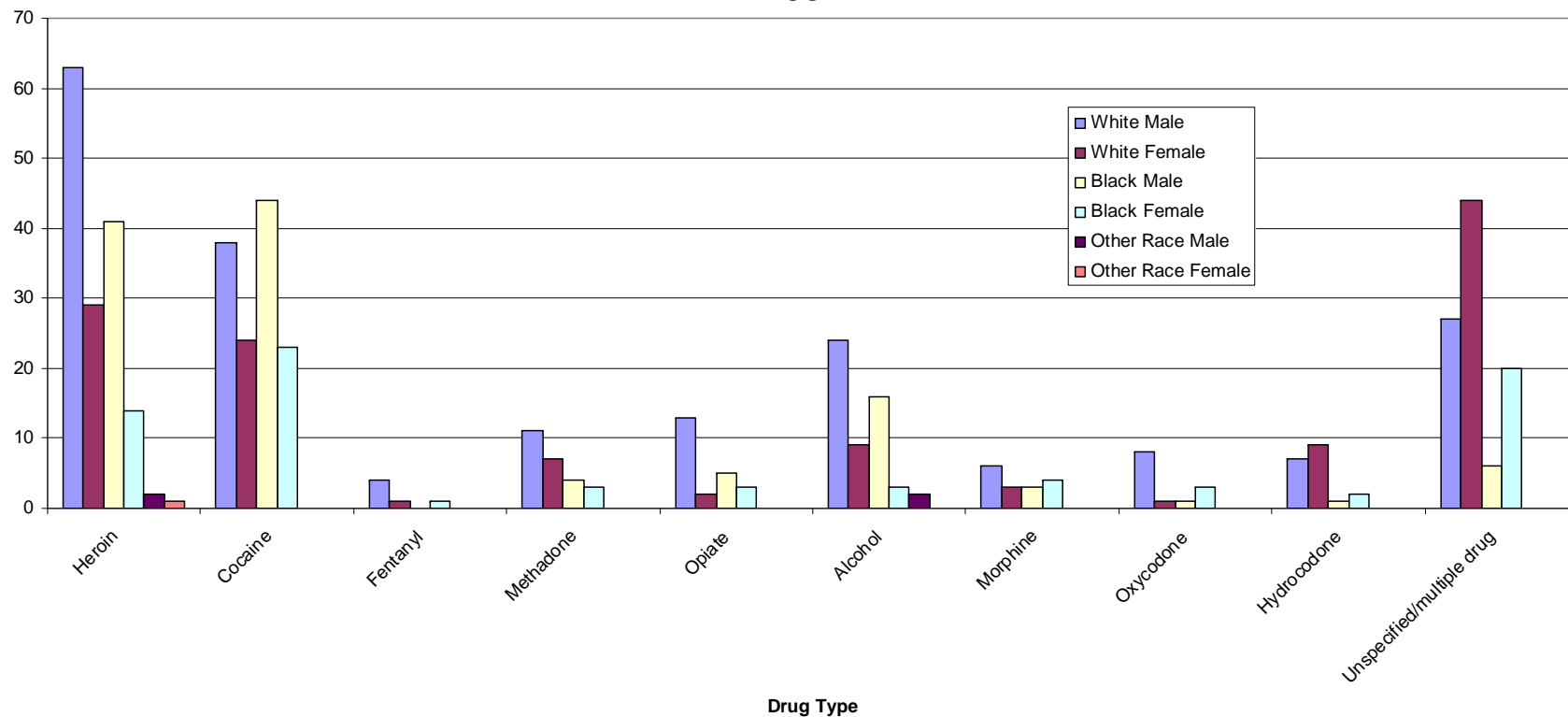
Drug Overdose Deaths: 2009-2010 Comparison

	2010	2009	% Change
Hydrocodone	19	14	+36%
Methadone	25	28	-11%
Fentanyl	6	7	-14%
Heroin	150	202	-26%
Cocaine	129	175	-26%
Oxycodone	13	17	-24%
Total Drug Death Instances	337	443	-24%

***Please Note:** There are instances where the decedent used/overdosed on more than one drug. The preceding chart is meant to show the instances of drug use and not the instances of drug deaths pertaining to the specifically mentioned drugs in the preceding tables.

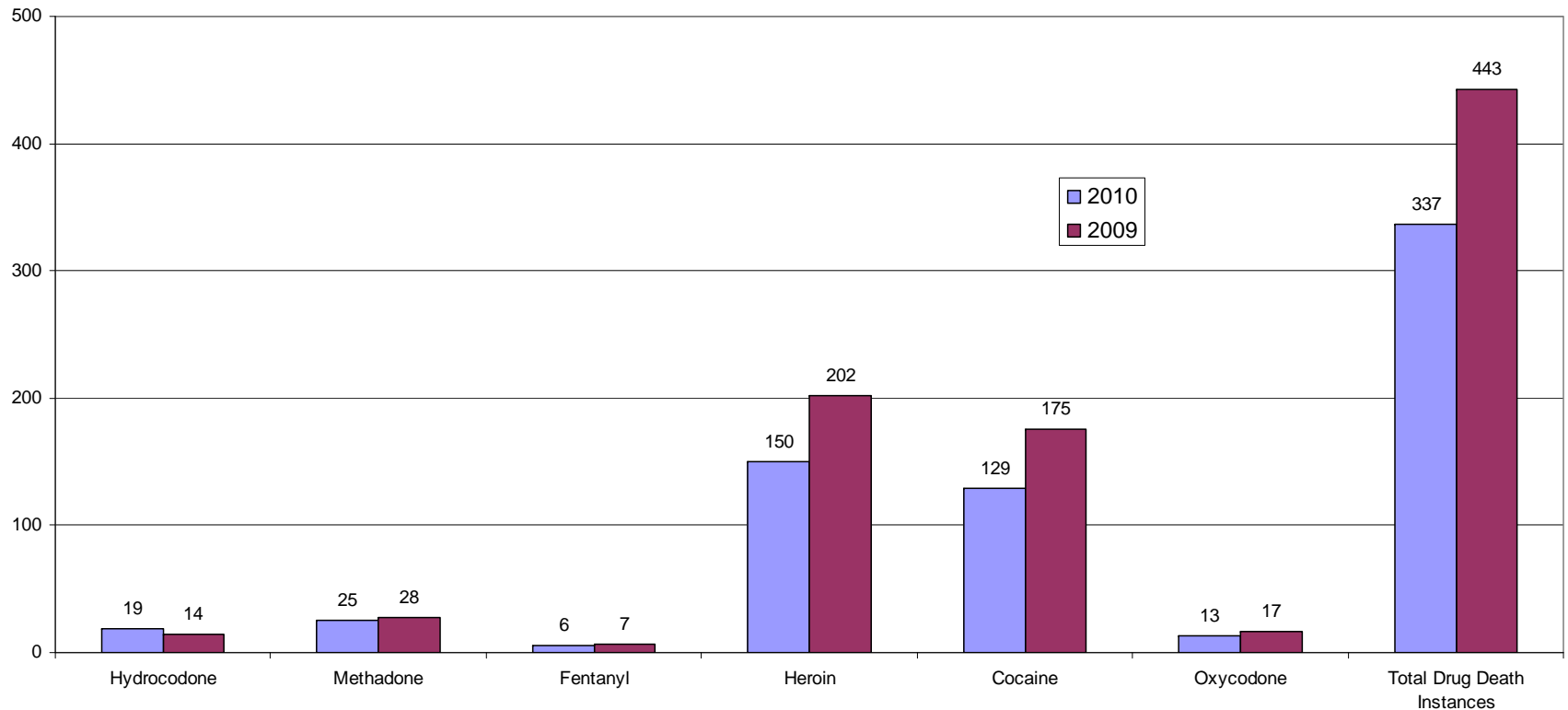
Drug Overdoses by Race and Sex-2010

2010 Drug Deaths by Race and Sex
N=532

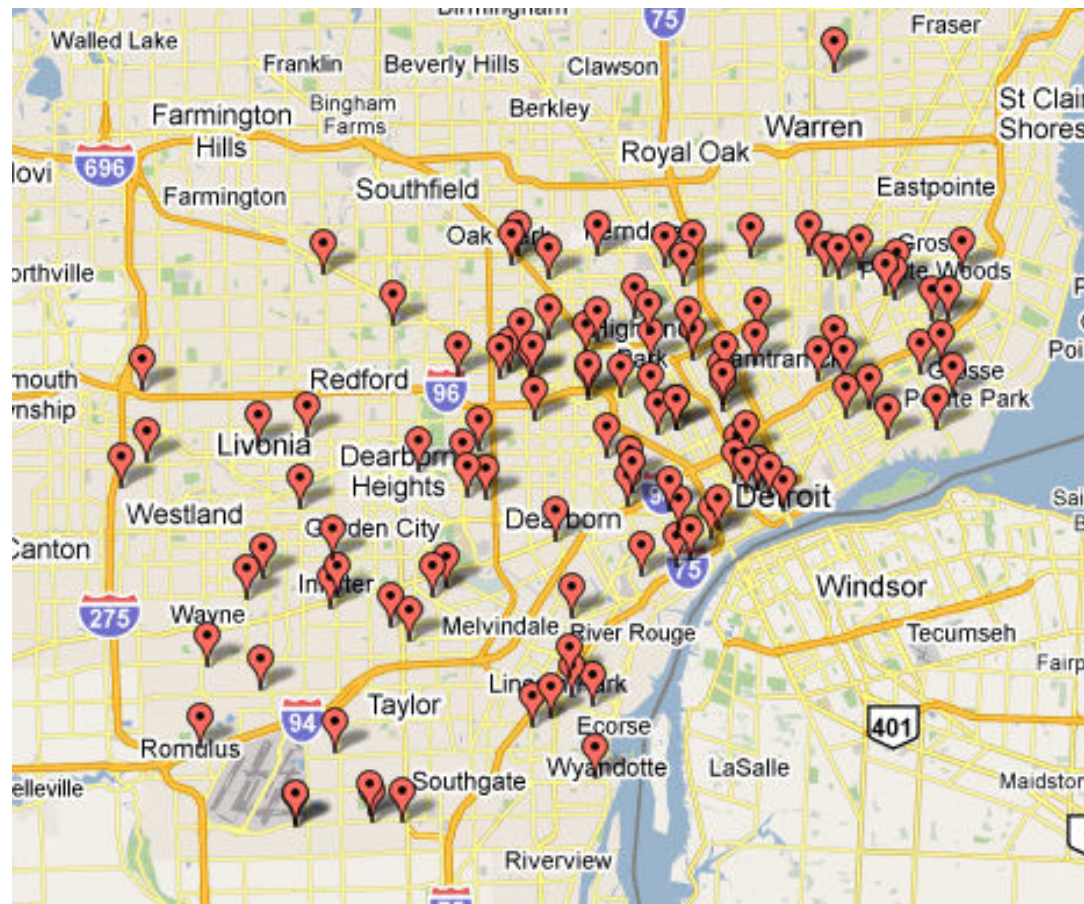


Instances of Drug Deaths: 2009 - 2010 Comparison

Drug Death Comparison by Type 2009 - 2010



2010 GIS Map of Cocaine Deaths



2010 GIS Map of Heroin Deaths

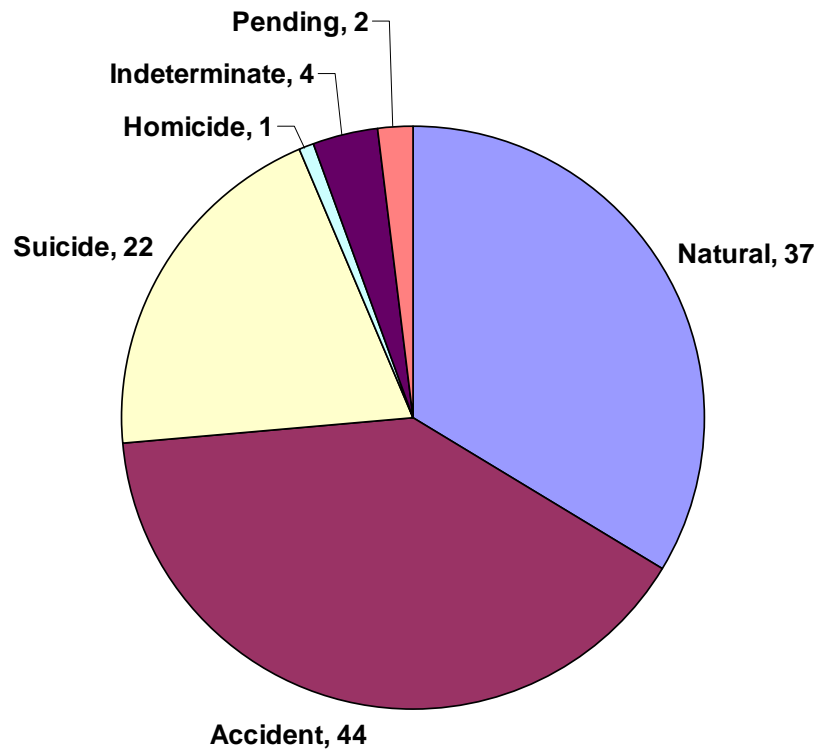




Monroe County Deaths

Monroe County Cases by Manner

Monore County Cases Oredred in by Manner
N=110



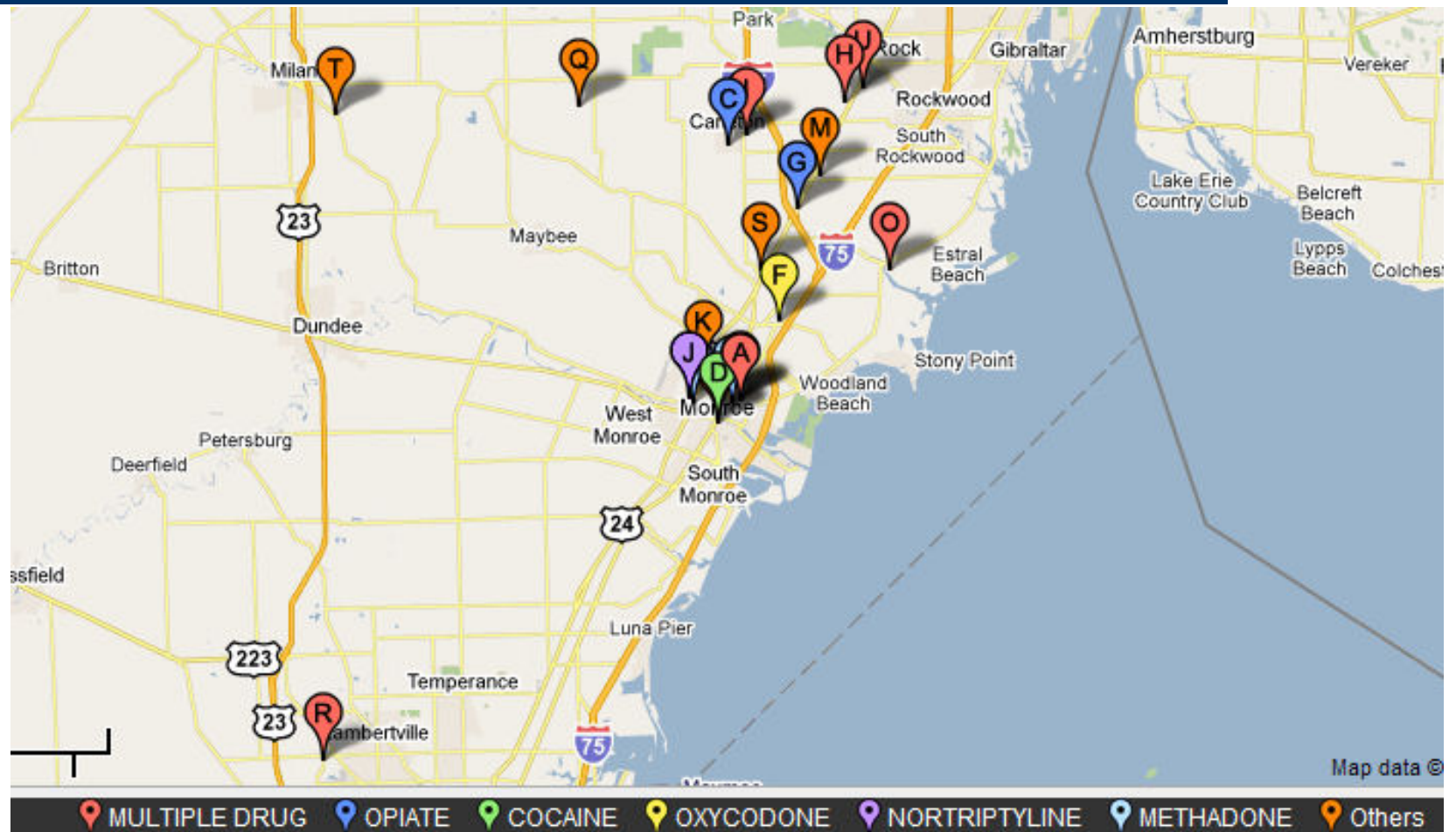
Comparison of Manner for 2009 & 2010

	2009	2010	% Change
Natural	46	37	-19%
Accident	40	44	+10%
Suicide	13	22	+61%
Homicide	6	1	-83%
Indeterminate	1	4	+300%
Total	106	108	+2%

Monroe County Drug Deaths Comparison by Age

Age Group	2009	2010
0-15	0	0
16-25	8	6
26-40	8	8
41-65	4	4
66+	0	0
Total Drug Deaths	20	18

2010 GIS Map of Monroe County Drug Deaths



Questions



Contact Information

Gerry Polverento

Department Manager

1300 E. Warren Ave.

Detroit, MI 48207

313-833-2598

gpolvere@co.wayne.mi.us