



2016

**Annual Report
Office of the
Chief Medical Examiner**

State of Maryland

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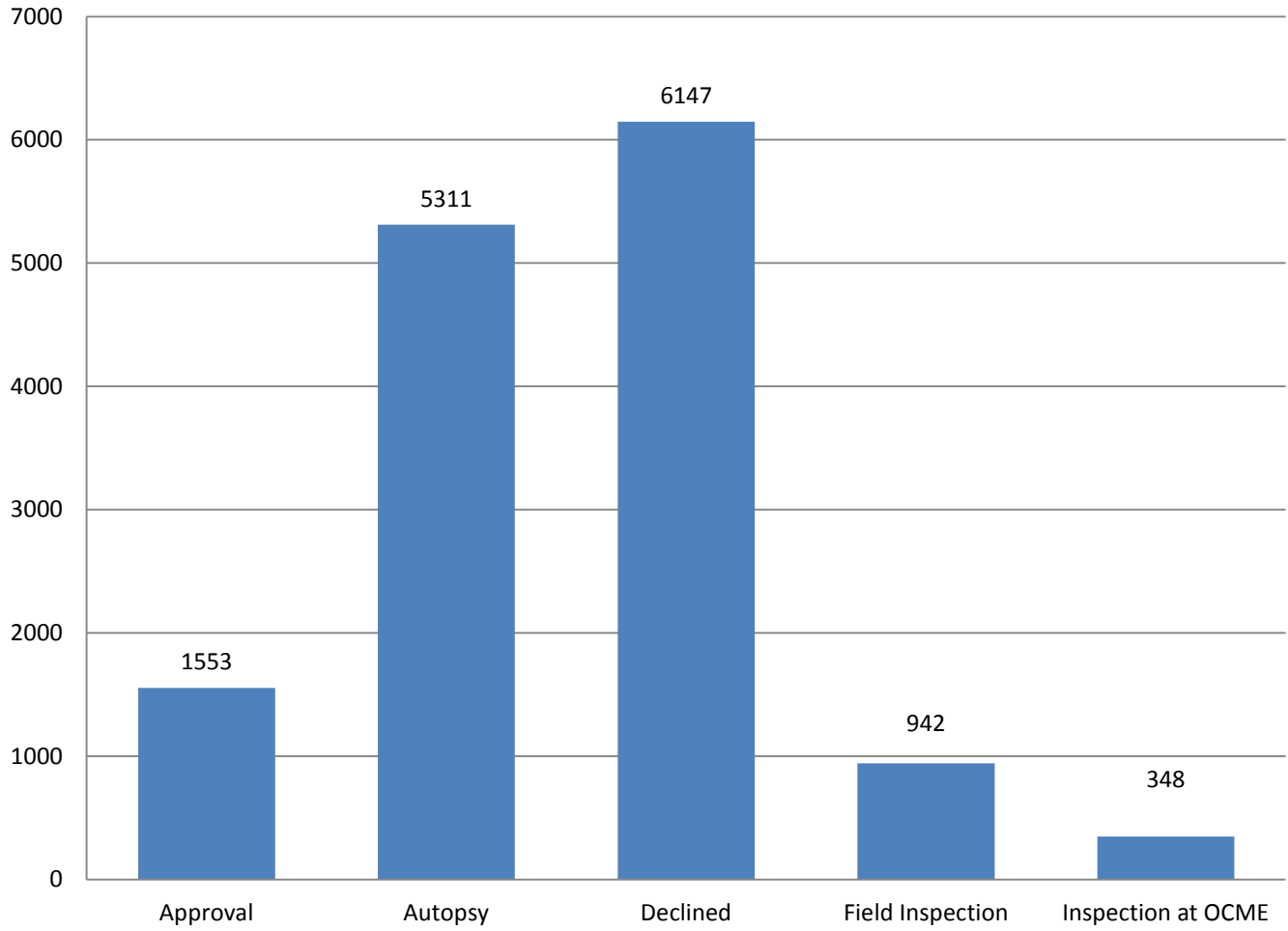
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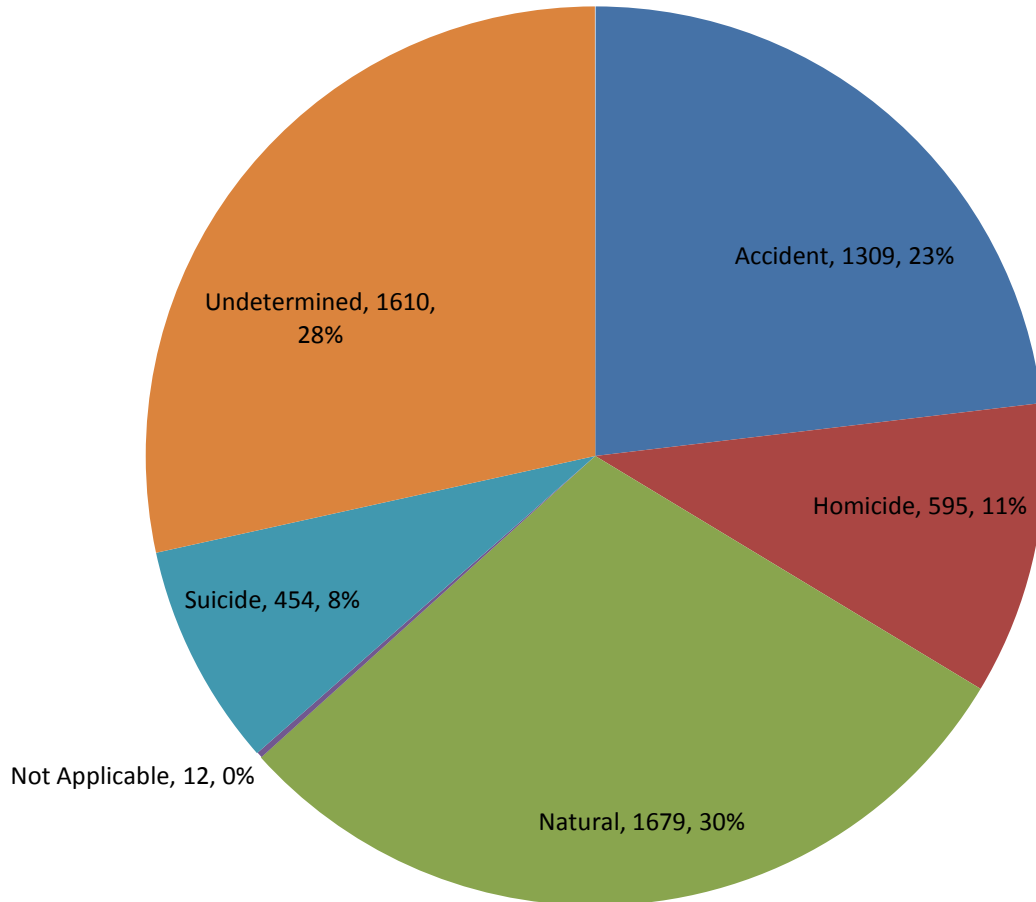
2016 Cases Reported to OCME - Action Taken

Total Cases – 14,301



2016 Medical Examiner Cases

Total Cases Autopsied* – 5,659

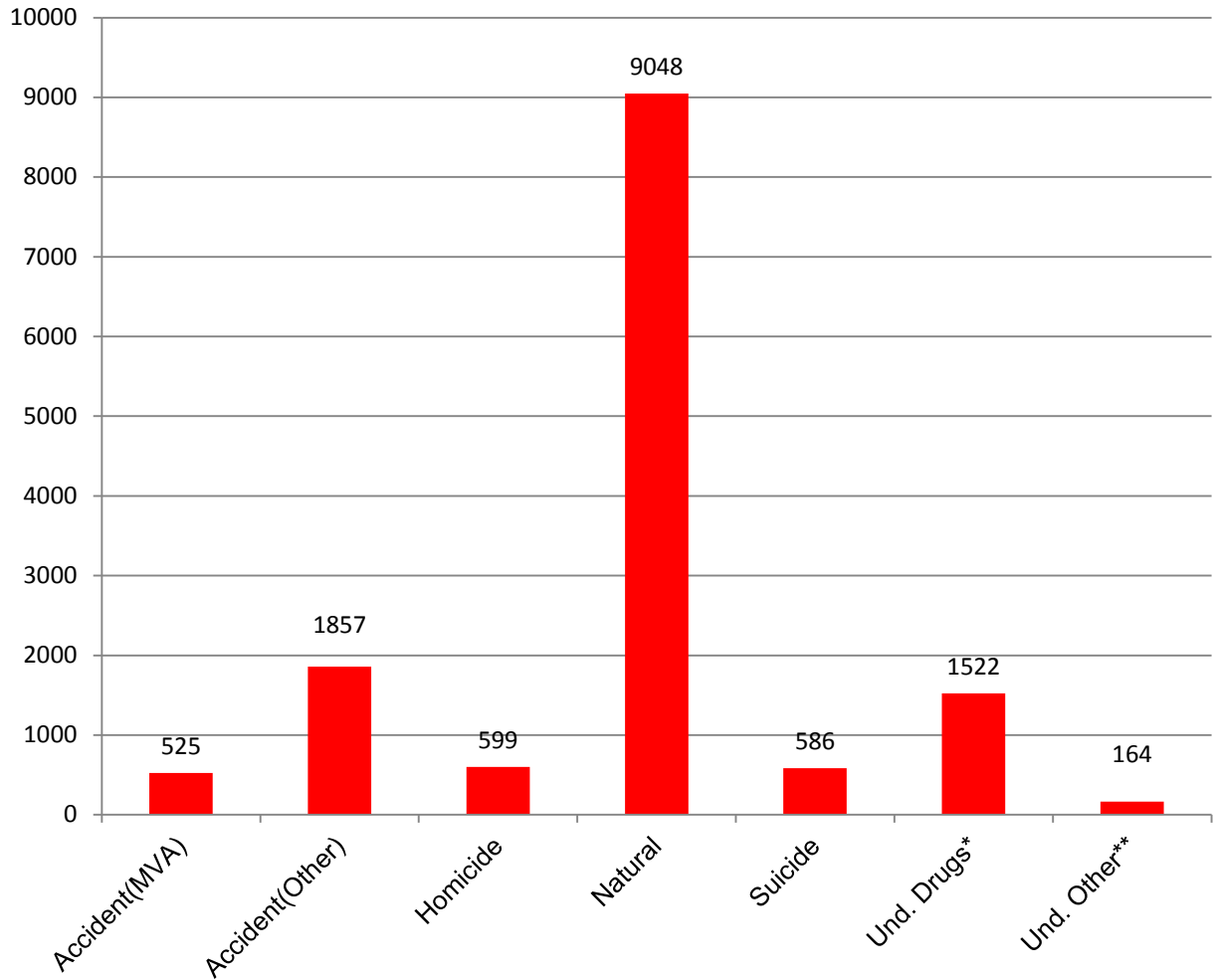


*Twelve cases were classified as “not applicable” (e.g. stillborn & non-human remains).

**Four homicides were not autopsied.

2016 Cases Reported to OCME – Manner of Death

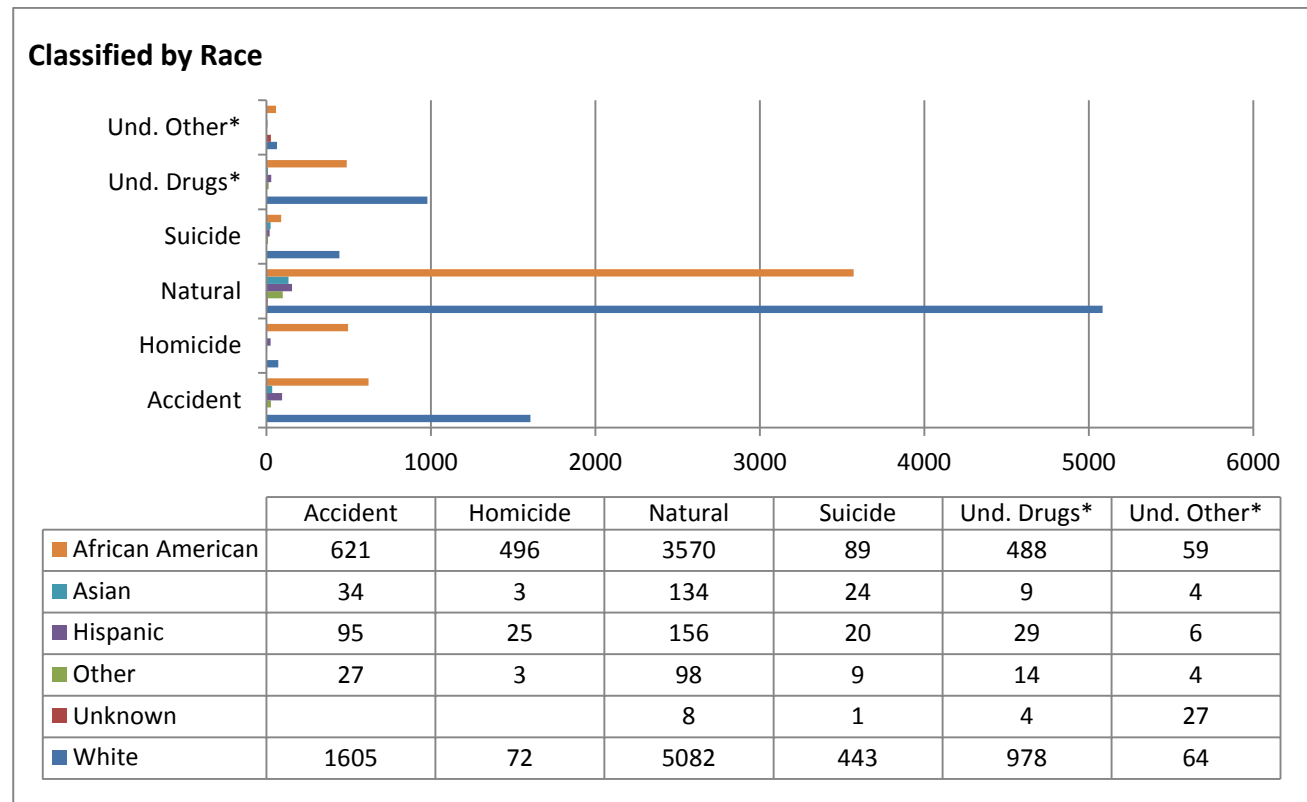
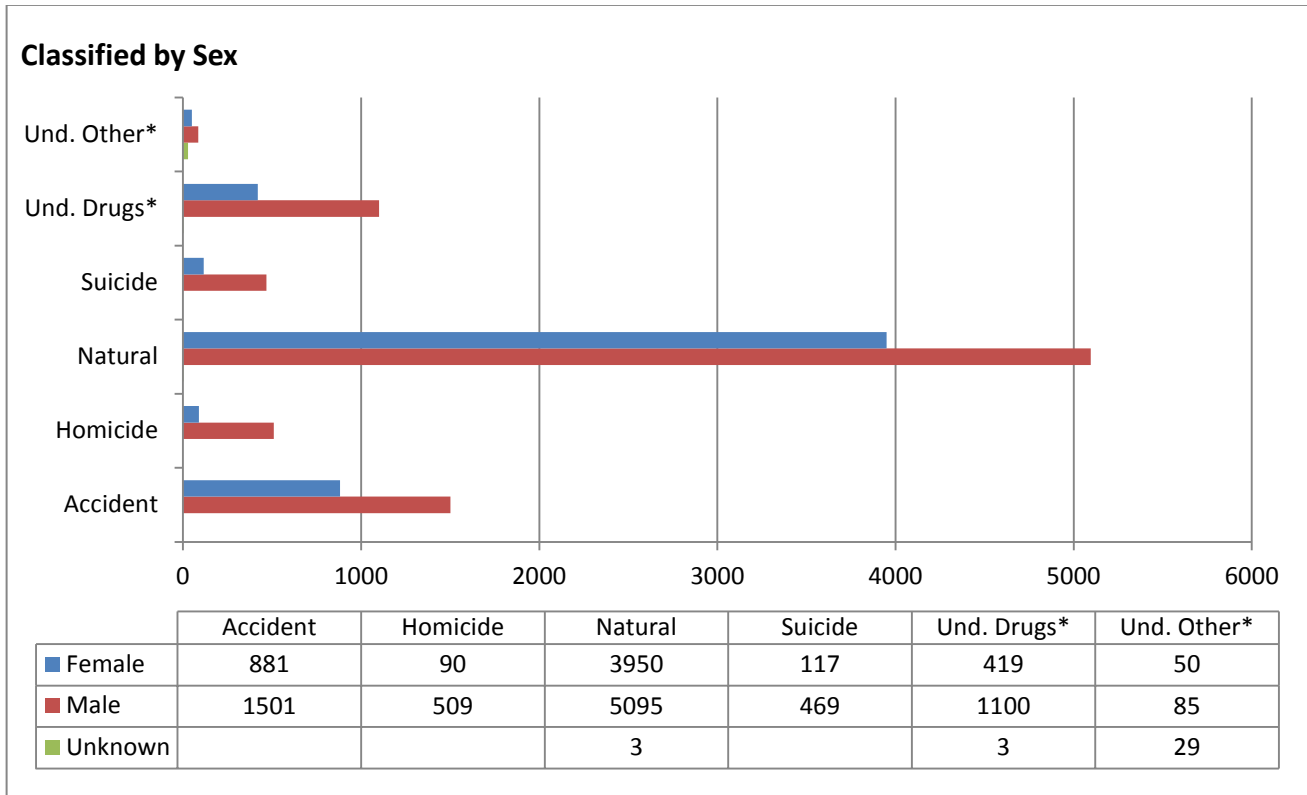
Total Cases – 14,301



*Undetermined Manner: Drugs/Narcotics

** Undetermined Manner: Other

2016 Manner of Death – Classified By Sex and Race



*Undetermined Manner: Drugs/Narcotics

** Undetermined Manner: Other

Manner of Death

Cause of Death	Accident	Homicide	Natural	Not Applicable	Suicide	Undetermined	Total
Asphyxiation	100	7	5		119	27	258
Airway obstruction/Aspirated stomach content	9		5				14
Drowning	64				8	19	91
Hanging	2				97	2	101
Smoke inhalation	6				3	4	13
Strangulation/Asphyxiation	19	7			11	2	39
Chemical/Drug/Alcohol Intoxication/Abuse/Use	498	2	95		71	1480	2146
Alcohol abuse/use	2		64			2	68
Alcohol and drug intoxication/use	11		1		7	5	24
Alcohol intoxication/use	19					3	22
Carbon monoxide	3				8	1	12
Cocaine and alcohol intoxication/use	7		1			4	12
Cocaine intoxication/use	30		7			18	55
Drug intoxication/abuse/use	37	1	11		36	67	152
Narcotic abuse/use			2				2
Narcotic and alcohol intoxication/use	107		1		4	381	493
Narcotic intoxication/use	282	1	8		16	999	1306
Circulatory system	28	2	1274			2	1306
Aneurysm	1		6				7
Cardiac arrhythmia	1		64				65
Cardiomyopathy			19				19
Cardiovascular disease	5	2	1013				1020
Cerebrovascular disease	3		29				32
Hemorrhage	6		17			1	24
Other cardiac	3		82			1	86
Pulmonary embolism	9		44				53
Congenital / Perinatal			5	4		35	44
Congenital/Perinatal			3	4			7
Sudden Infant Death Syndrome			2				2
Sudden Unexplained Death in Infancy (SUDI)						35	35
Digestive system disease	1		31			1	33
Cirrhosis	1		7				8
Gastrointestinal hemorrhage			19				19
Other digestive			4			1	5
Fatty liver			1				1
Electrocution	4						4
Electrocution	4						4
Endocrine and metabolic disease			64			1	65
Diabetes			52			1	53
Other Endocrine and metabolic			12				12
Hyperthermia	22					2	24
Hyperthermia	22					2	24
Hypothermia	32						32
Hypothermia	32						32
Infectious disease	3		18				21
Other infectious disease	3		18				21

Cause of Death	Manner of Death					Undeter- mined	Total
	Accident	Homicide	Natural	Not Applicable	Suicide		
Malignant neoplasms (Cancer)			16				16
Malignant neoplasms (Cancer)			16				16
Nervous system disease	3		23			3	29
Meningitis			3				3
Other CNS	1		5			2	8
Seizure disorder	2		15			1	18
Non-human remains				2			2
Non-human remains				2			2
Other natural cause			89				89
Other natural cause			89				89
Other non-natural cause	56	3		6	12		77
Other non-natural cause	56	3		6	12		77
Respiratory system	4		59			1	64
Asthma			10				10
Chronic obstructive pulmonary disease			6				6
Other respiratory			9				9
Pneumonia	3		33			1	37
Anaphylaxis	1		1				2
Thermal Injuries (Burns)	29	2			1	8	40
Thermal Injuries (Burns)	29	2			1	8	40
Traumatic injury	529	579			251	19	1378
Blunt force	42	25				1	68
Fracture	12						12
Gunshot wound	3	455			211	1	670
Head/Chest injuries	74	9			1	7	91
Multiple injuries	377	26			27	9	439
Other trauma	20	1			1	1	23
Sharp force/cutting	1	63			11		75
Unknown cause						31	31
Unknown cause						31	31
Grand Total	1309	595	1679	12	454	1610	5659

Manner of Death - 3 Year Comparison

2016

Manner of Death	Number	%
Accident	2382	16.7%
Homicide	599	4.2%
Natural	9048	63.3%
Suicide	586	4.1%
Undetermined	1686	11.8%
Total	14301	100%

2015

Manner of Death	Number	%
Accident	2037	16.4%
Homicide	606	4.9%
Natural	8135	65.4%
Suicide	557	4.5%
Undetermined	1110	8.9%
Total	12445	100%

2014

Manner of Death	Number	%
Accident	1810	16.3%
Homicide	415	3.7%
Natural	7307	65.8%
Suicide	596	5.4%
Undetermined	979	8.8%
Total	11107	100%

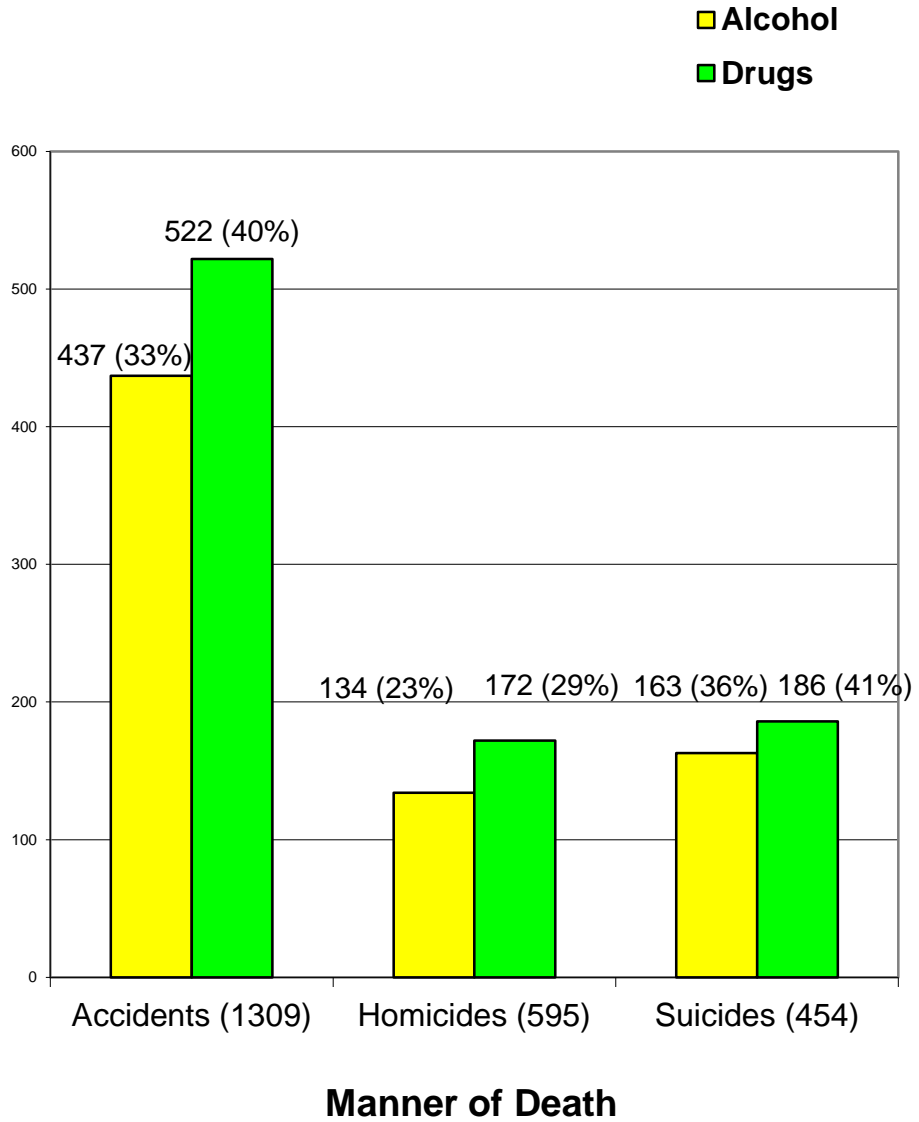
2016 Manner of Death by County

2016 - Manner	Accident	Homicide	Natural	Suicide	Undetermined	Total
Allegany	32	6	40	9	50	137
Anne Arundel	123	24	148	41	142	478
Baltimore City	325	349	424	66	569	1733
Baltimore County	156	24	200	46	228	654
Calvert	20	1	30	11	19	81
Caroline	10		5	1	5	21
Carroll	33	2	38	18	38	129
Cecil	32	5	30	12	27	106
Charles	38	4	35	16	31	124
Dorchester	9	2	16	6	5	38
Frederick	53		34	26	62	175
Garrett	12		5	6	1	24
Harford	52	7	64	19	64	206
Howard	33	5	43	19	37	137
Kent	8	1	6	3	4	22
Montgomery	88	13	147	59	85	392
Out-Of-State			1	1		2
Prince George's	136	135	217	42	111	641
Queen Anne's	13		12	6	4	35
Saint Mary's	20	2	23	4	13	62
Somerset	5		7	3	4	19
Talbot	7		14	5	8	34
Washington	40	4	54	17	57	172
Wicomico	32	8	51	9	42	142
Worcester	32	3	35	9	16	95
Grand Total	1309	595	1679	454	1622	5659

2016 - Case Type	Autopsy	OCME Insp.	Total	County	Autopsy	OCME Insp.	Total
Allegany	130	7	137	Washington	168	4	172
Anne Arundel	451	27	478	Wicomico	134	8	142
Baltimore City	1623	110	1733	Worcester	93	2	95
Baltimore County	606	48	654	Out-Of-State	1	1	2
Calvert	73	8	81	Grand Total	5311	348	5659
Caroline	21		21				
Carroll	117	12	129				
Cecil	100	6	106				
Charles	118	6	124				
Dorchester	35	3	38				
Frederick	164	11	175				
Garrett	20	4	24				
Harford	199	7	206				
Howard	129	8	137				
Kent	21	1	22				
Montgomery	359	33	392				
Prince George's	613	28	641				
Queen Anne's	31	4	35				
Saint Mary's	61	1	62				
Somerset	16	3	19				
Talbot	28	6	34				

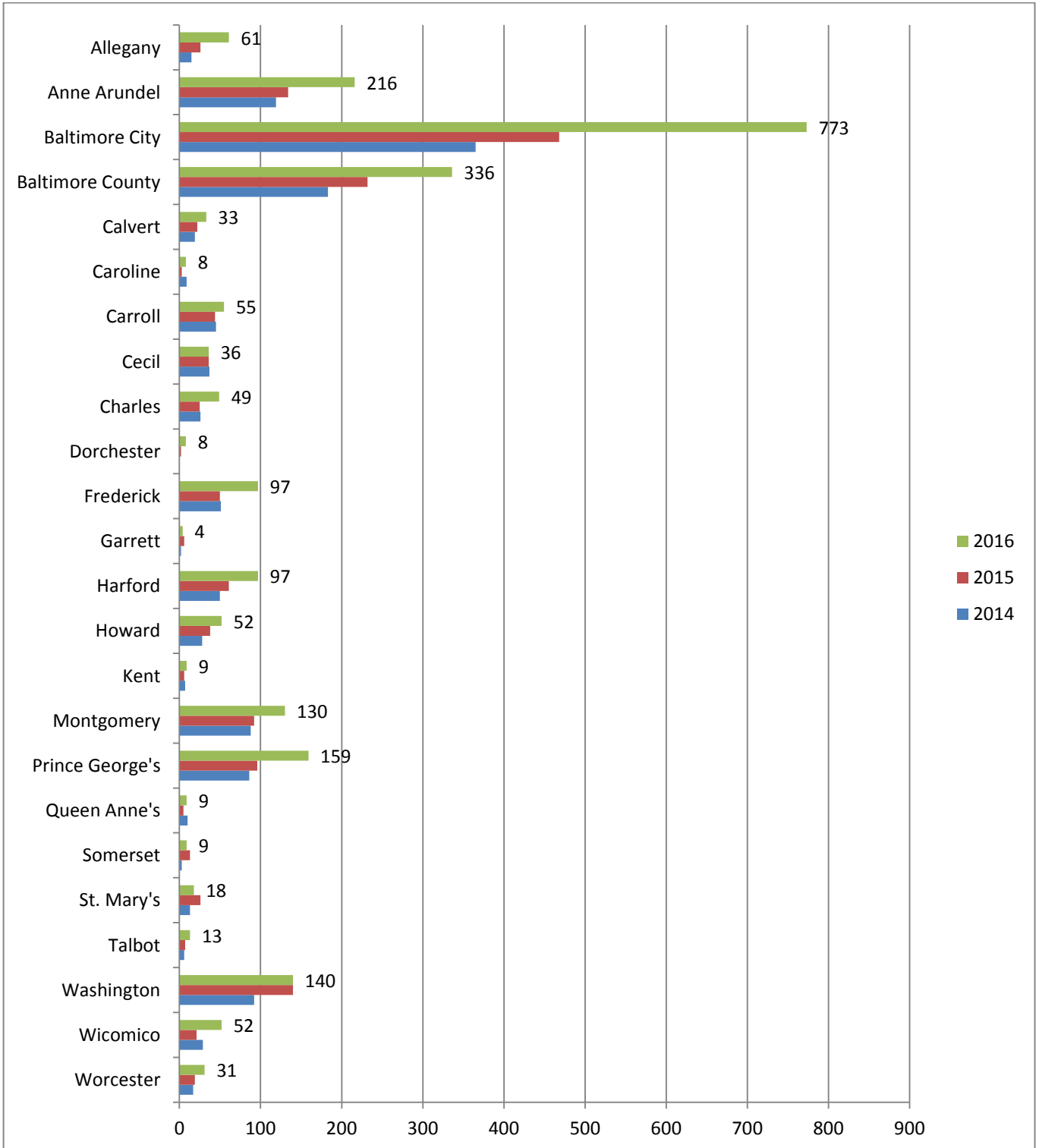
2016 Toxicology Testing

of Cases Positive for Alcohol and/or Drugs
(Percentage of the Manner of Death)

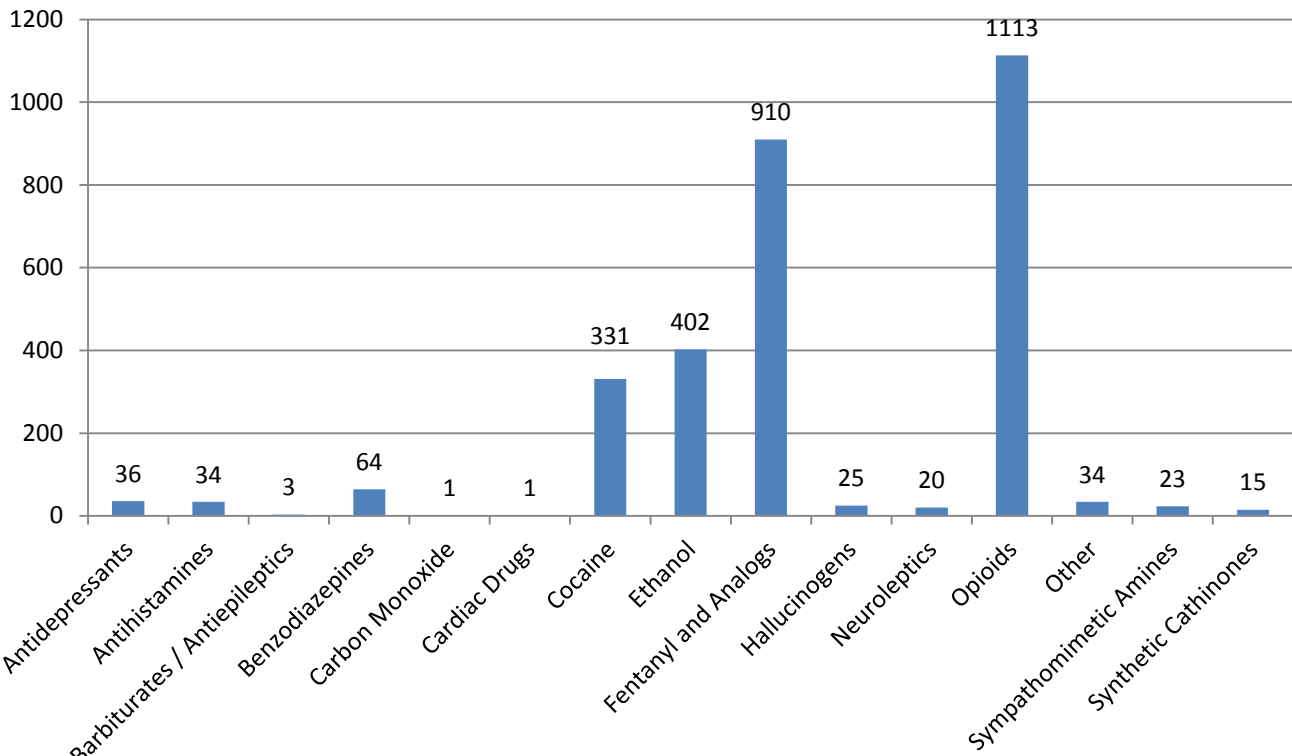


Drug Deaths

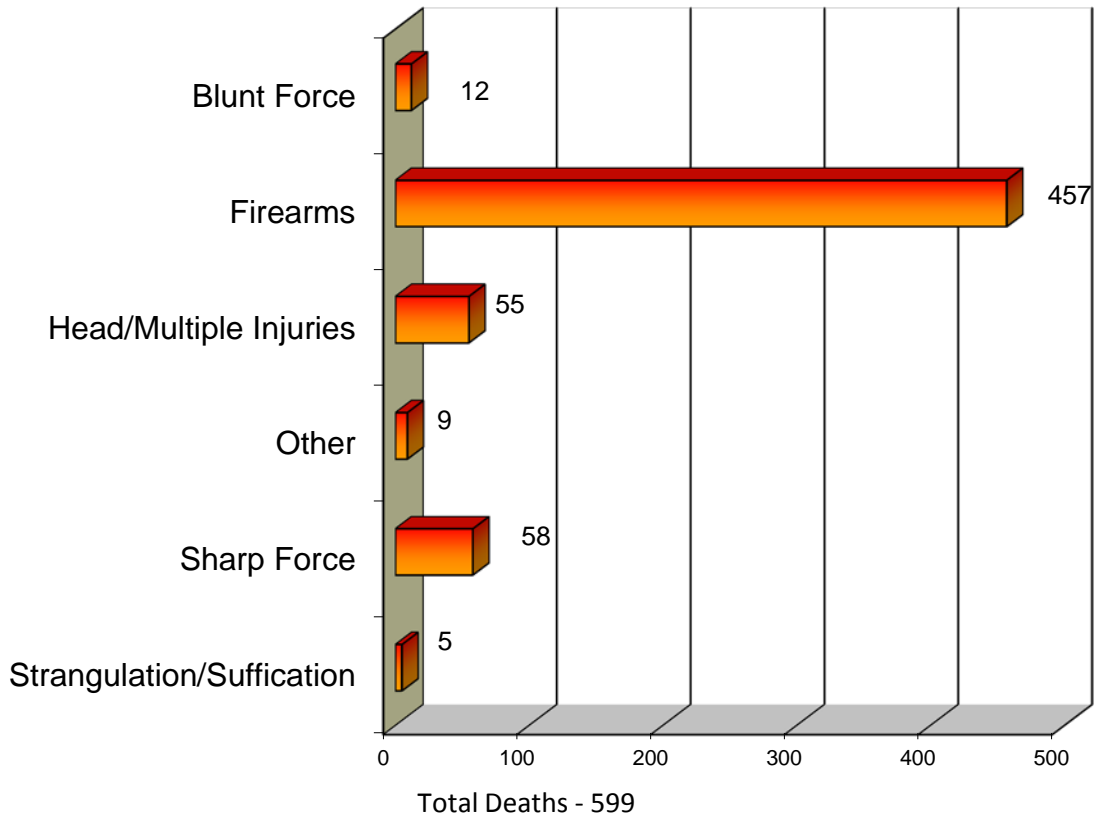
3 Year Comparison by Jurisdiction 2014-2016



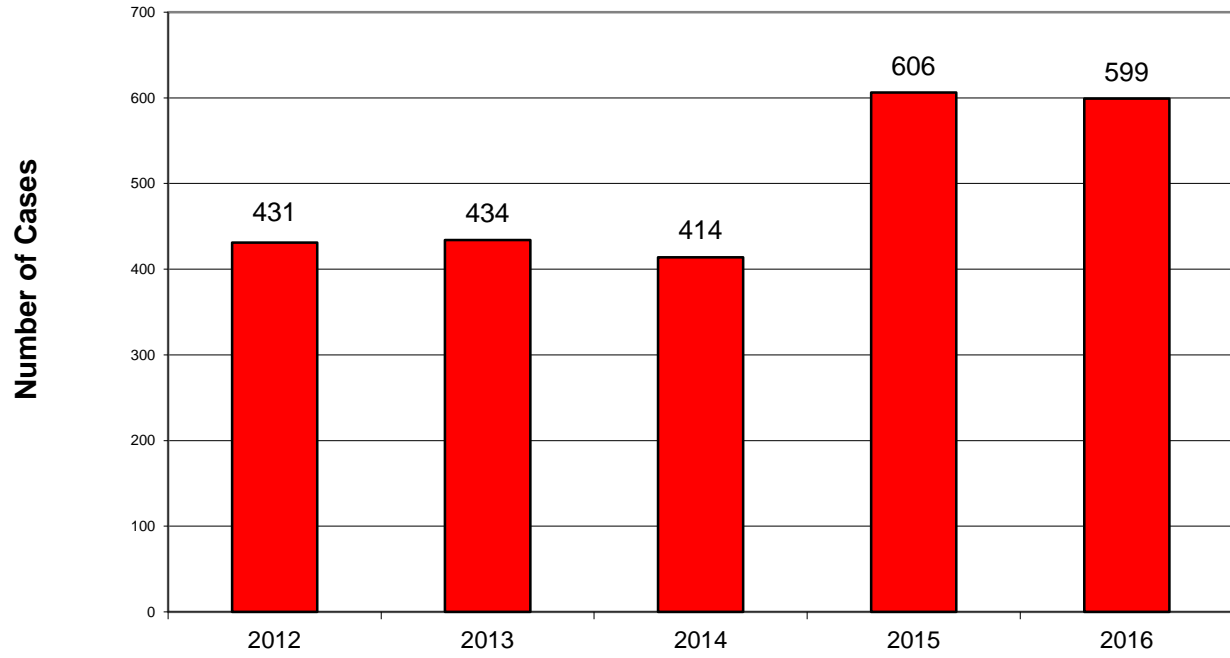
2016 Drug Deaths Undetermined Manner



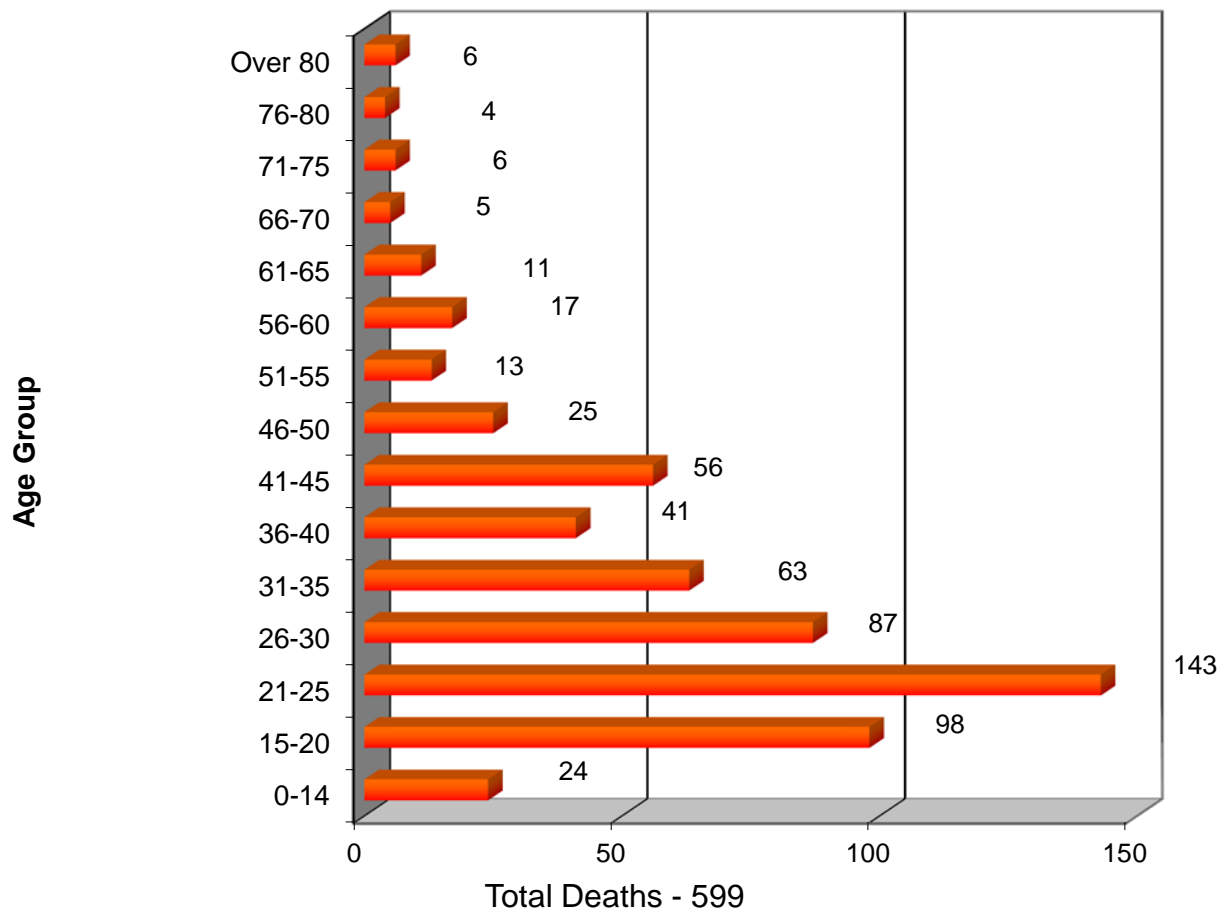
2016 Homicide Deaths Cause of Death



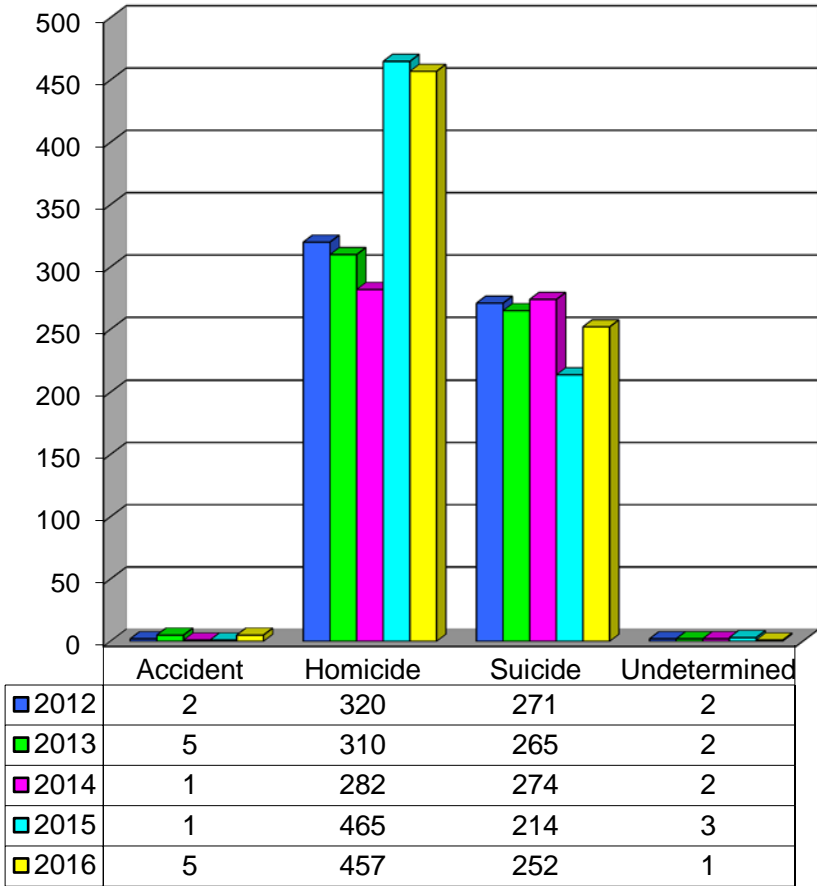
Homicides 5 Year Comparison 2012 - 2016



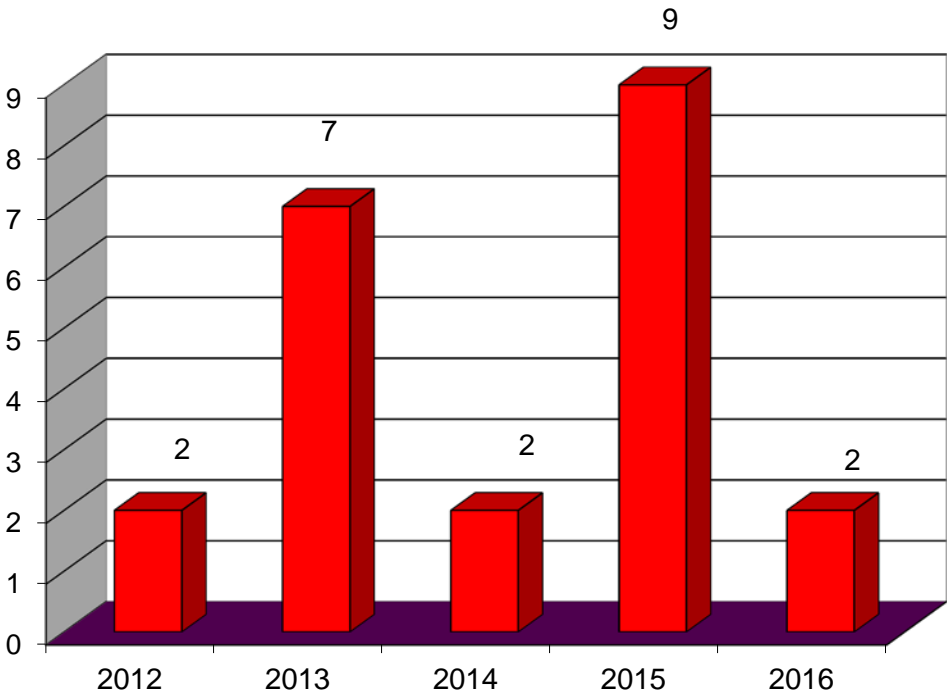
2016 Homicide Deaths by Age



Firearm Deaths 2012 - 2016



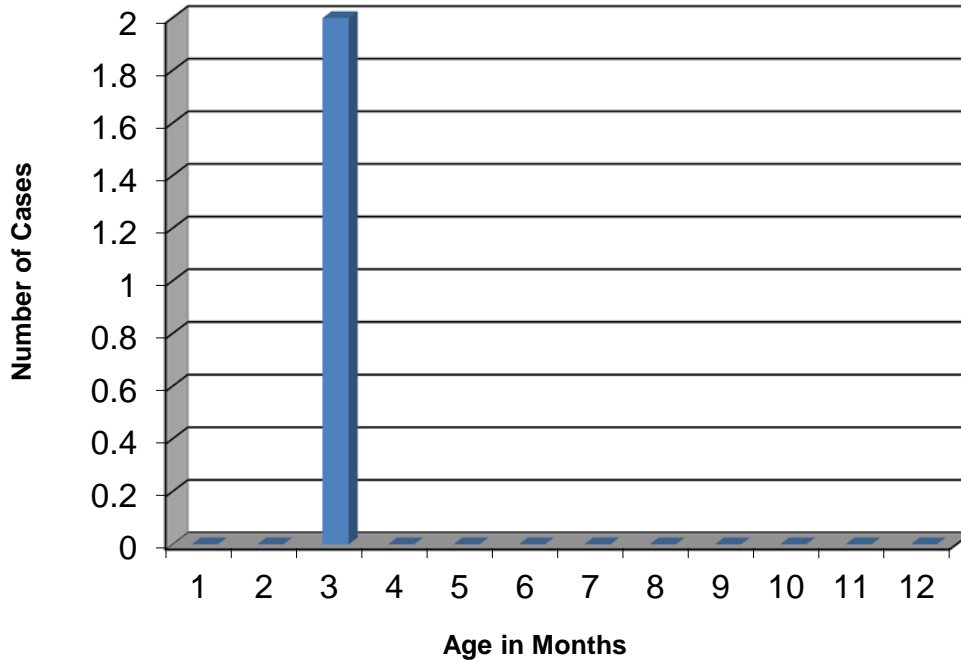
**SIDS Deaths
2012 - 2016 Comparison**



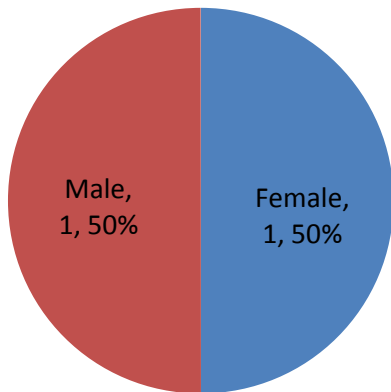
Sudden Infant Death Syndrome – 2016

Total of 2 Deaths

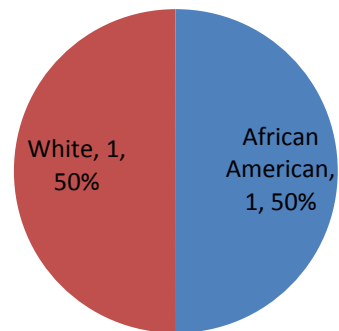
Classified by Age



Classified by Sex

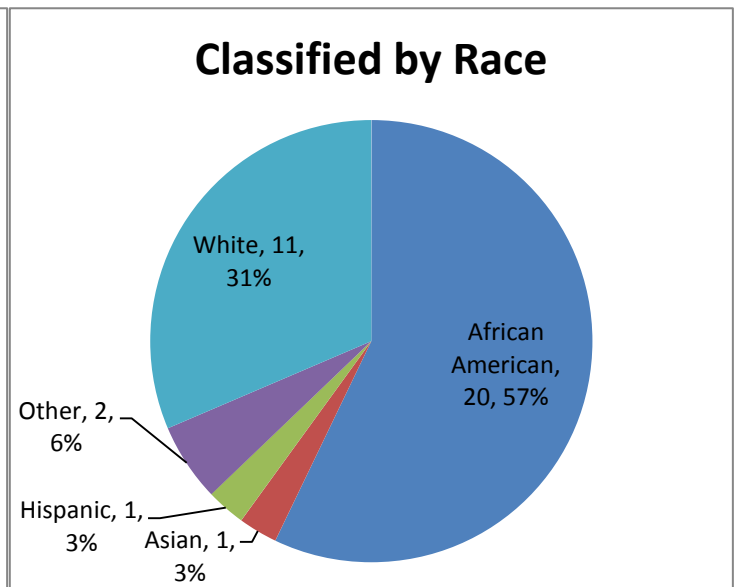
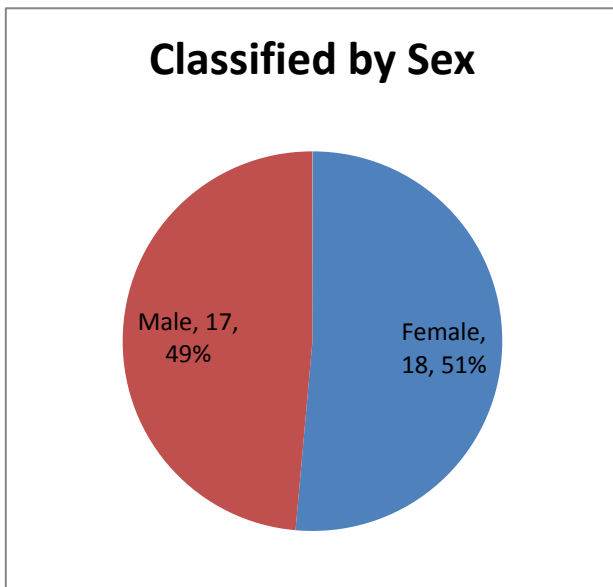
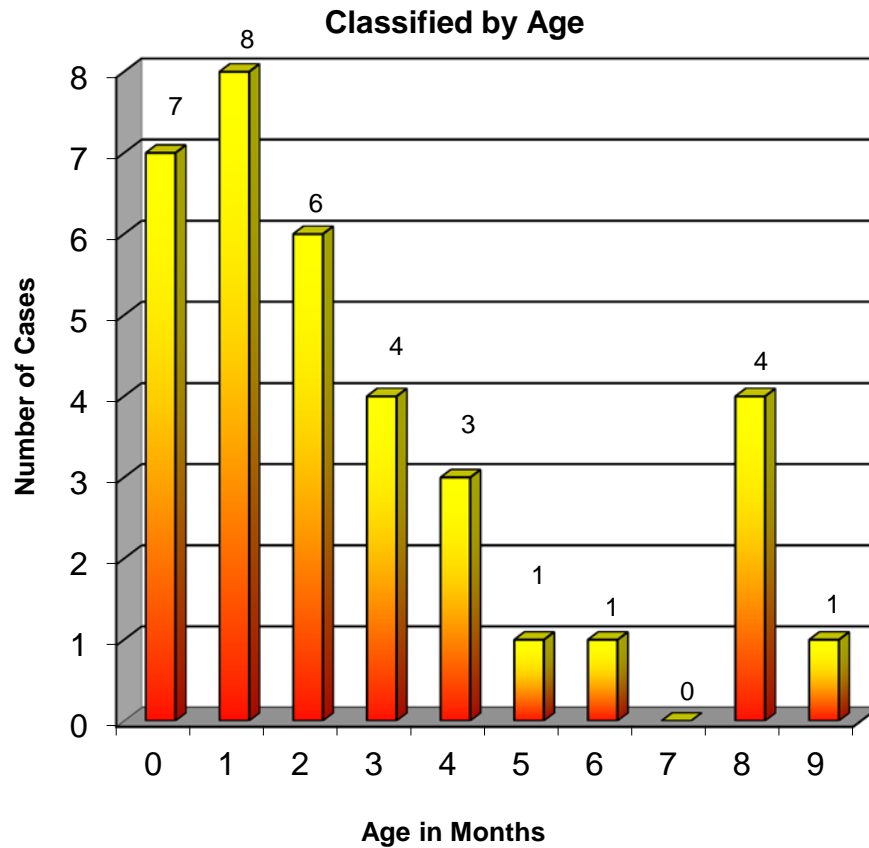


Classified by Race



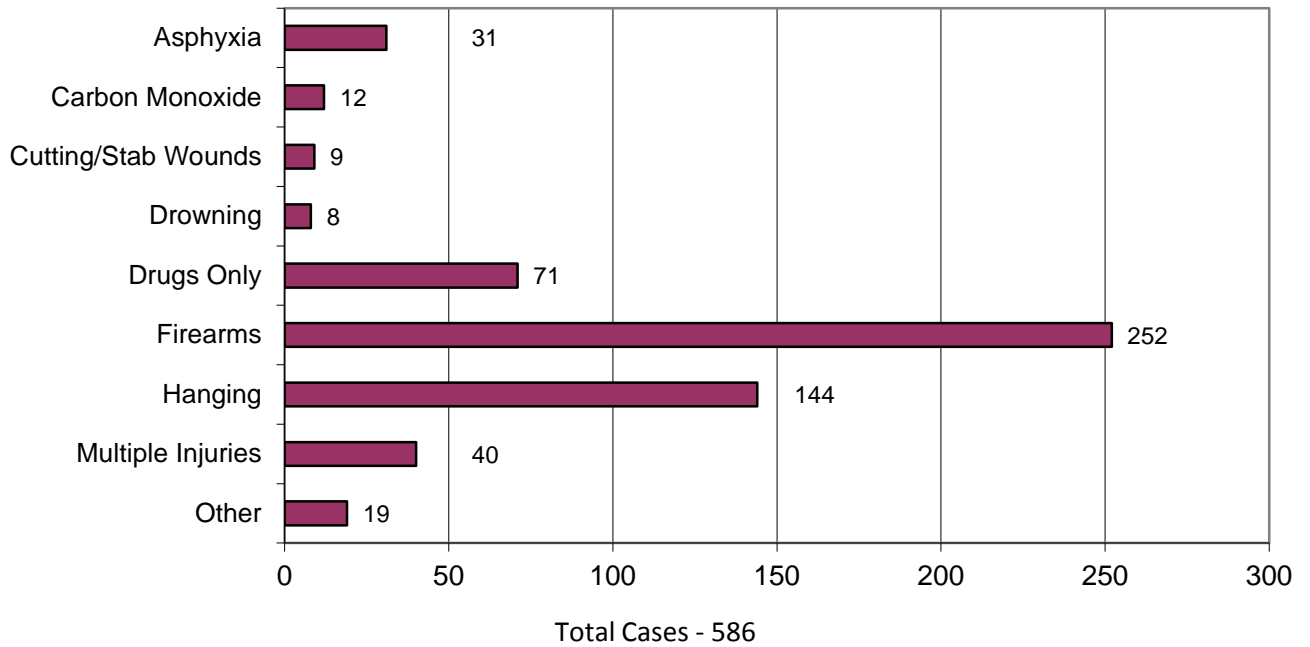
Sudden Unexplained Death in Infancy – 2016

Total of 35 Deaths

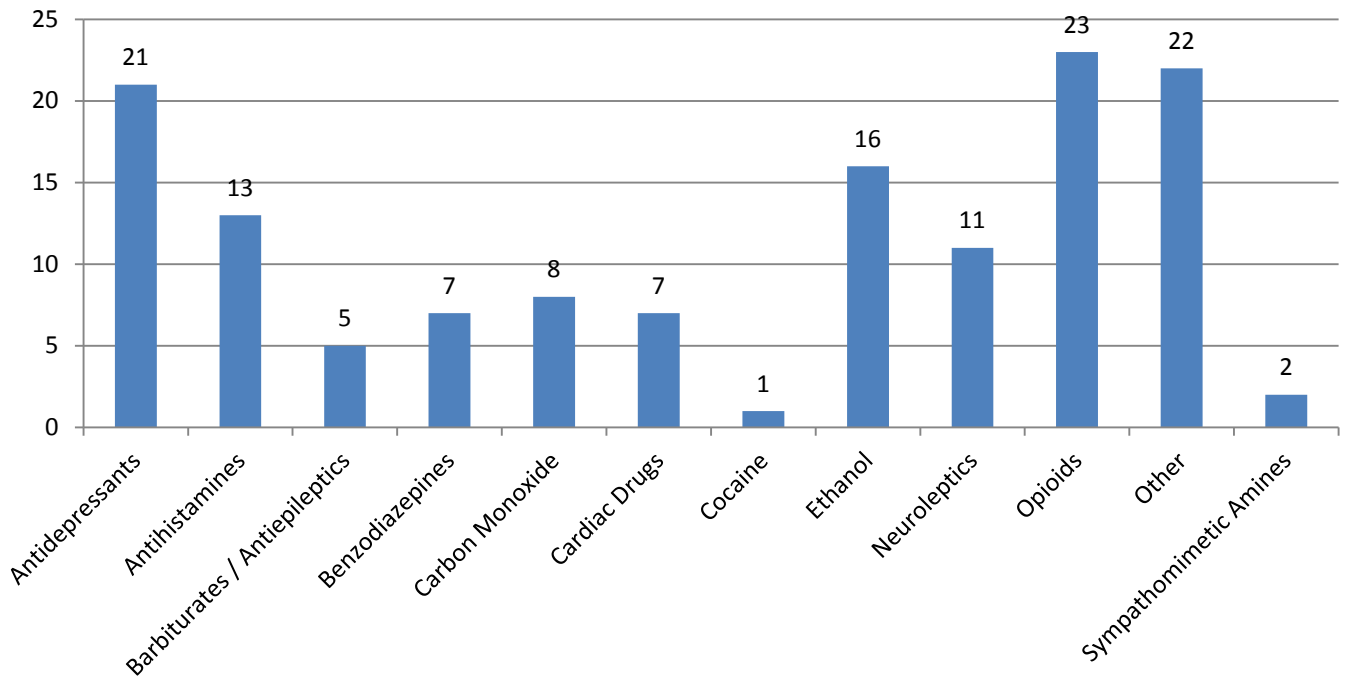


2016 Suicide Deaths

Classified by Cause of Death

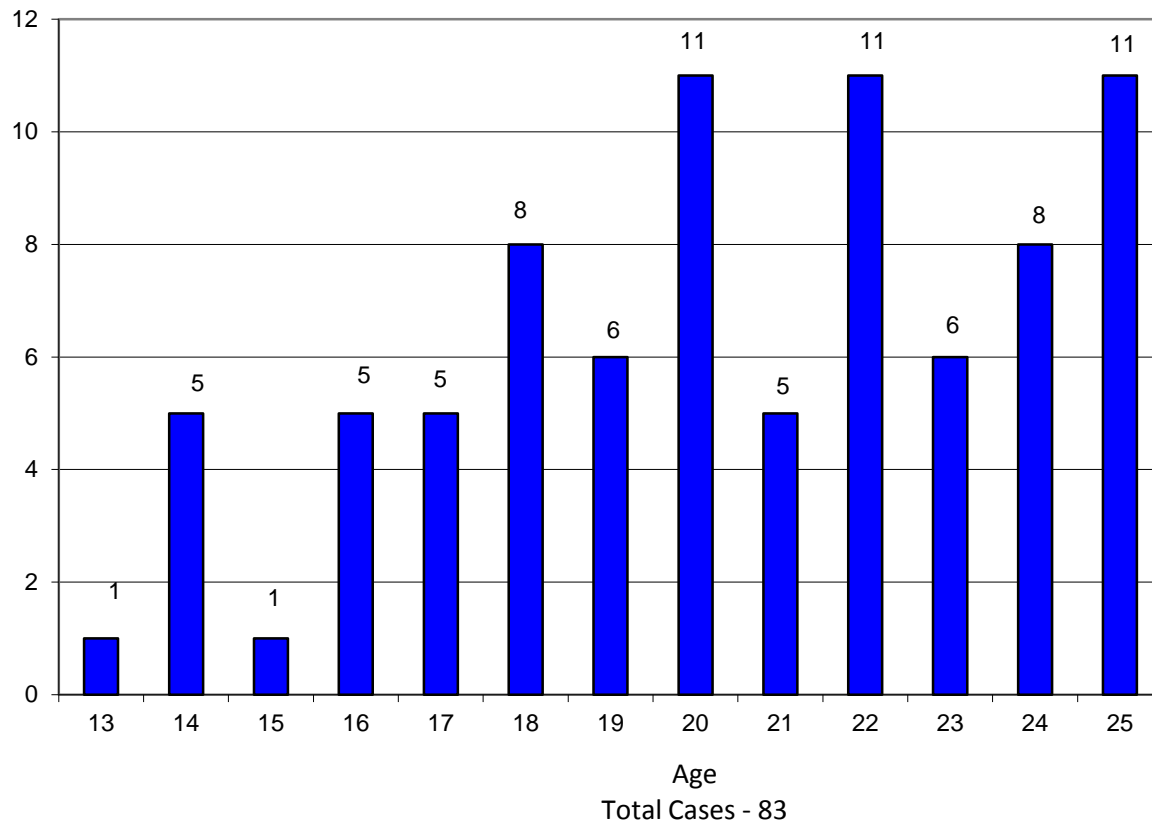


Suicide Drug Classification

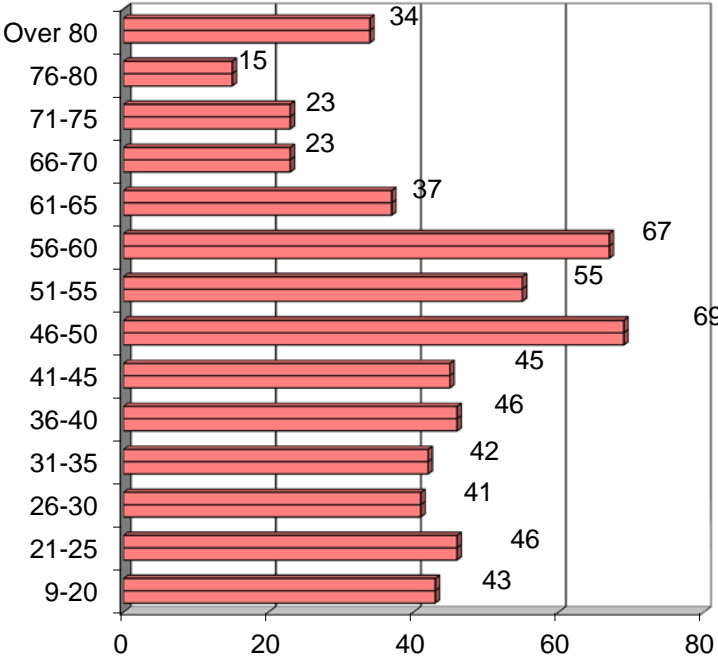


2016 Youth Suicide Deaths

25 Years of Age and Under

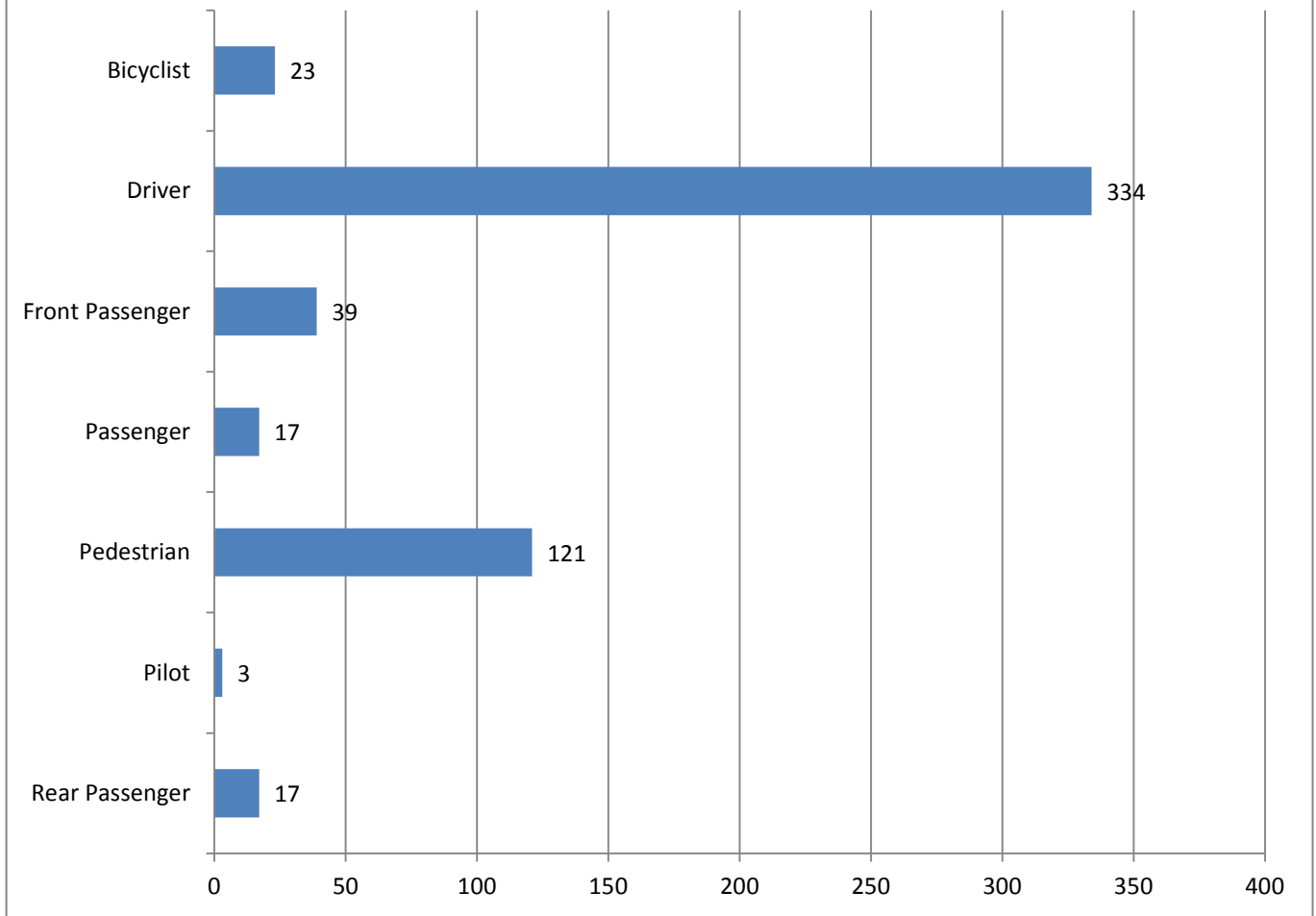


2016 Suicide Deaths by Age



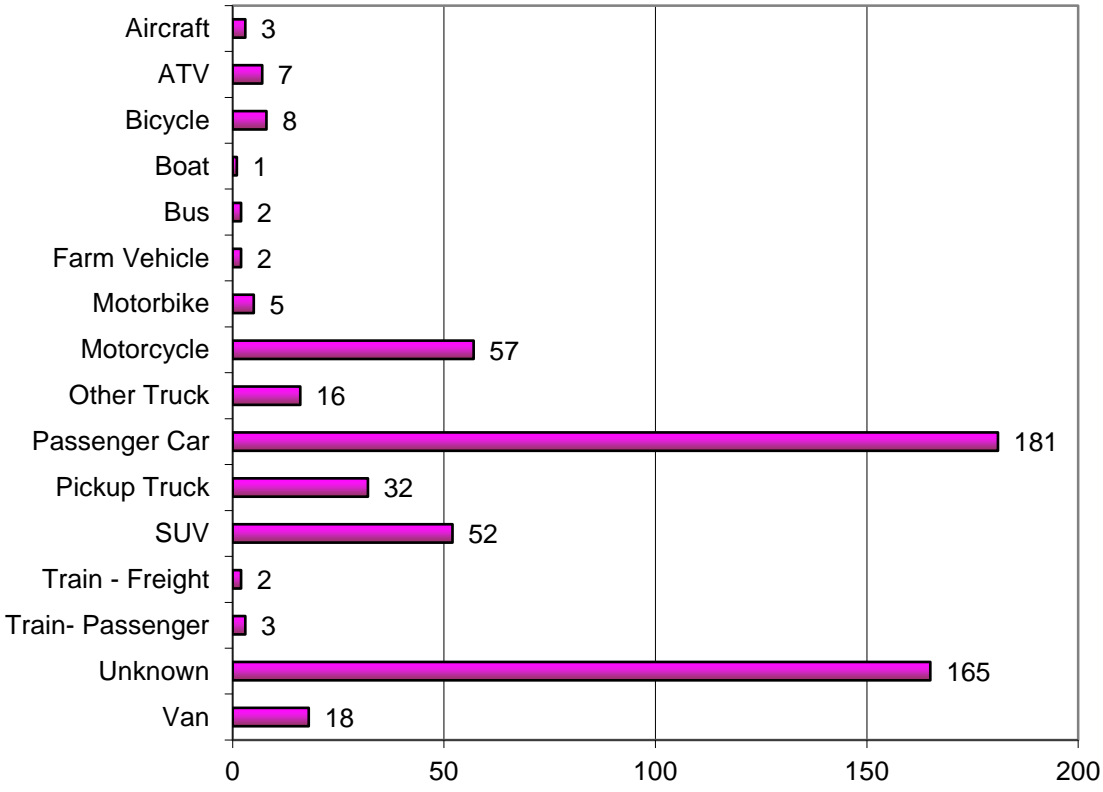
Total Deaths - 586

2016 Transportation Accidents Classified by Activity



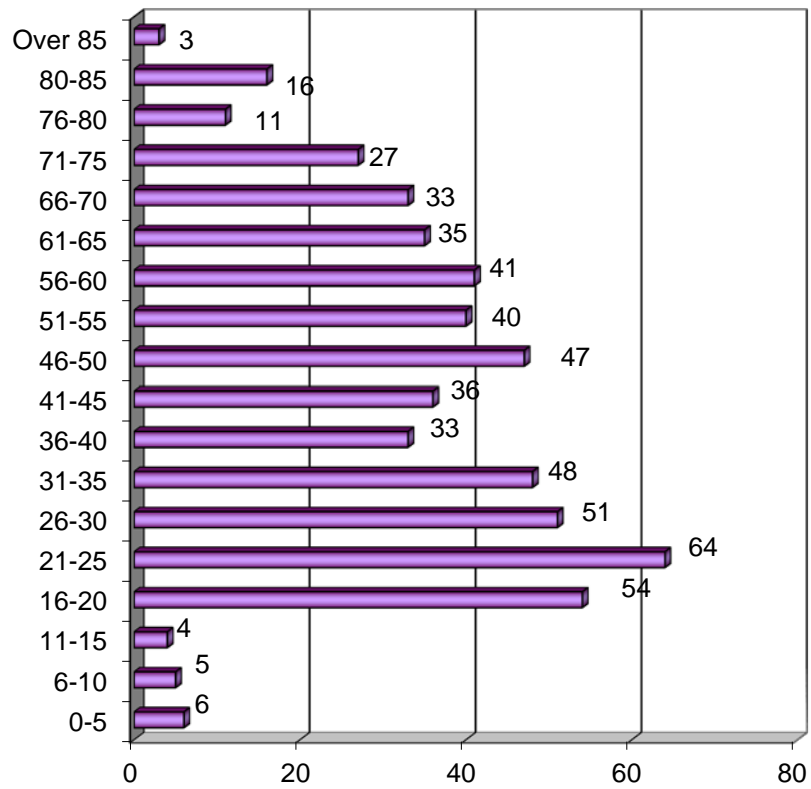
Total Cases – 554

**2016 Transportation Deaths
Type of Vehicle**



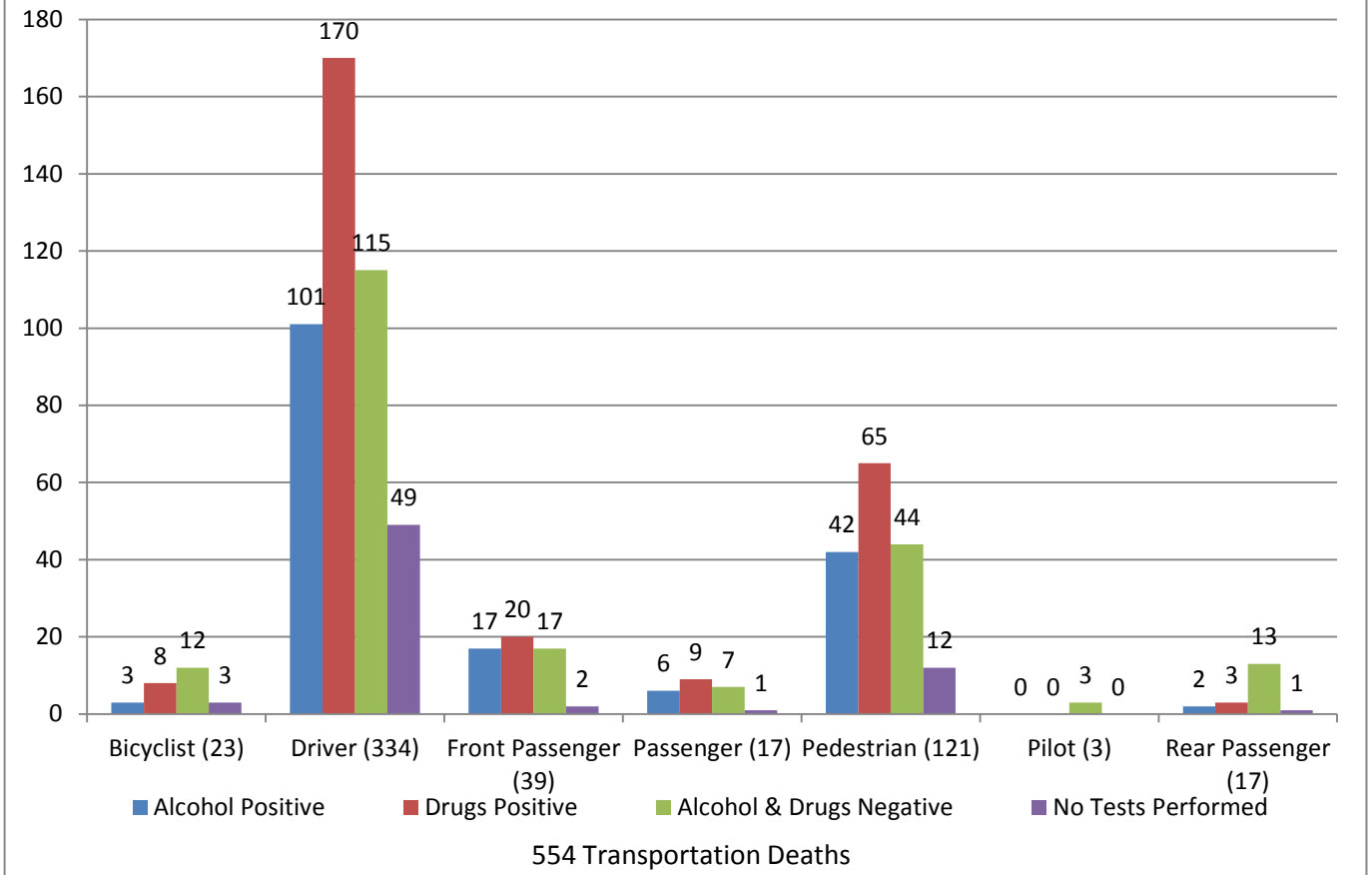
Total Cases - 554

2016 Transportation Deaths by Age



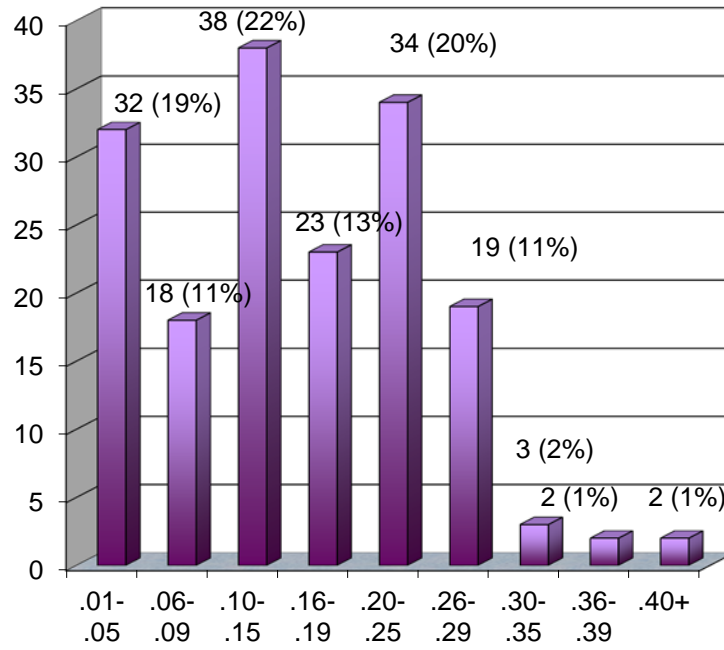
Total Cases - 554

2016 Transportation Accidents Alcohol/Drug Results



The alcohol and drug tests are not mutually exclusive, so the numbers in parentheses may not add up to the numbers on the bar graphs. For example, a bicyclist may be positive for both alcohol and drugs.

**2016 Transportation Deaths
Blood Alcohol Concentration in 171 Cases
35%* Tested Positive**



554 Transportation Deaths
315 Negative for Alcohol
68 No Testing Performed

*Percent based on total cases tested for alcohol

ADDENDUM

Miscellaneous Data

1. Number of autopsies 3,799
Number of partial autopsies 1,512
2. Organ donations 124
3. Unclaimed bodies released to State Anatomy Board 286
4. Exhumations 1
5. Bodies transported to the OCME 5,642