



2009

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

**State of Maryland**

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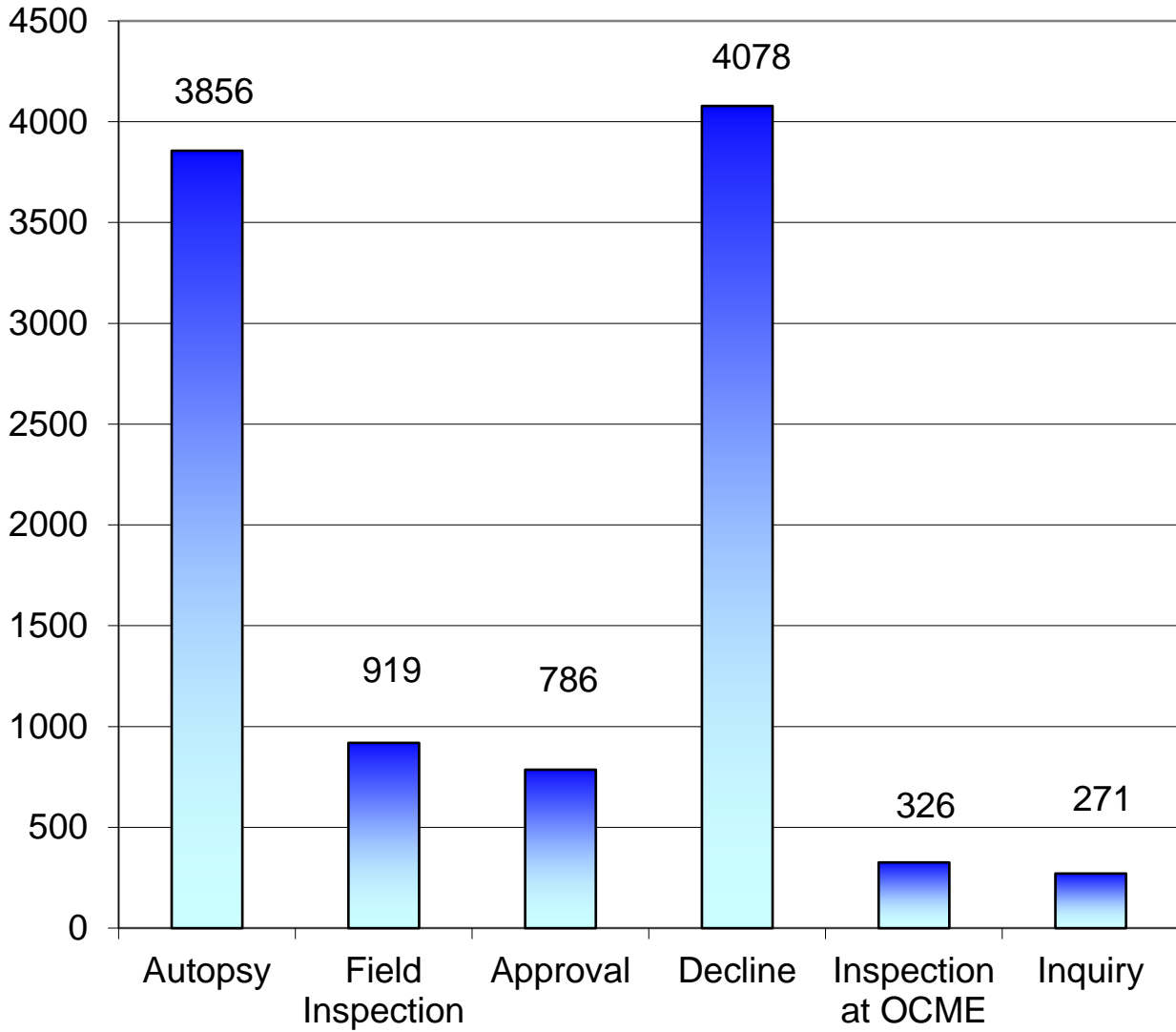
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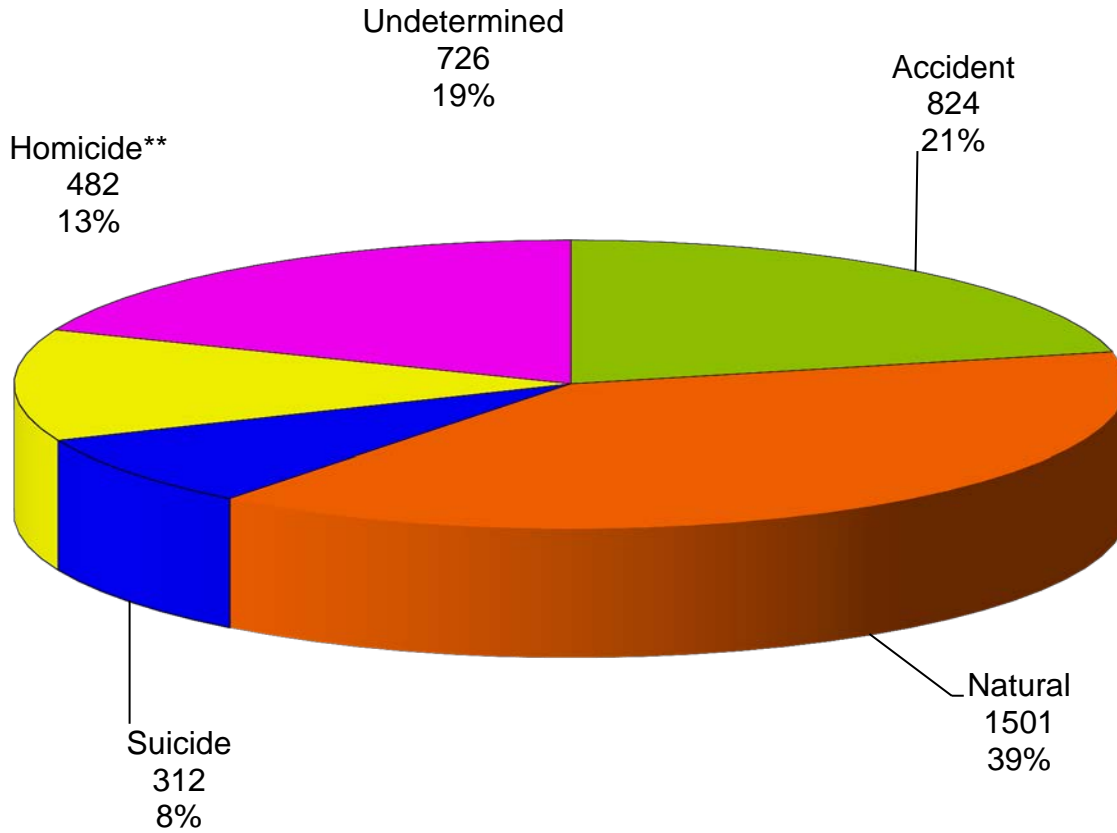
## Cases Reported to OCME - 2009 Action Taken\*



10236 Total Cases

\*One case is in the process of being investigated

# 2009 Medical Examiner Cases Autopsied\*

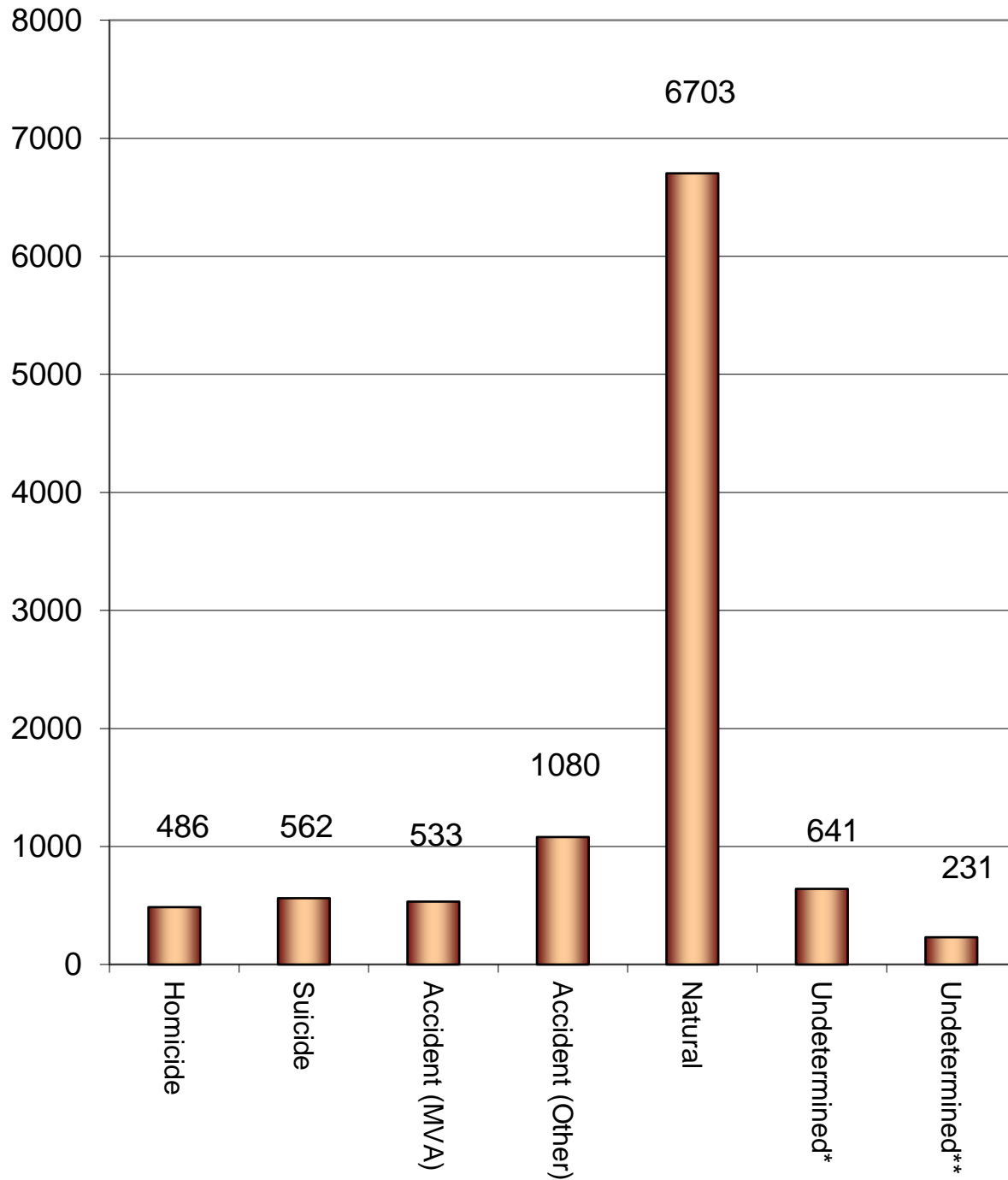


*\*Eleven cases were classified as "not applicable" (e.g. stillborn & non-human remains).*

*\*\*Four homicides were not autopsied due to final disposition prior to Medical Examiner notification.*

**Total Cases Autopsied - 3856**

## 2009 Cases Reported to OCME Manner of Death

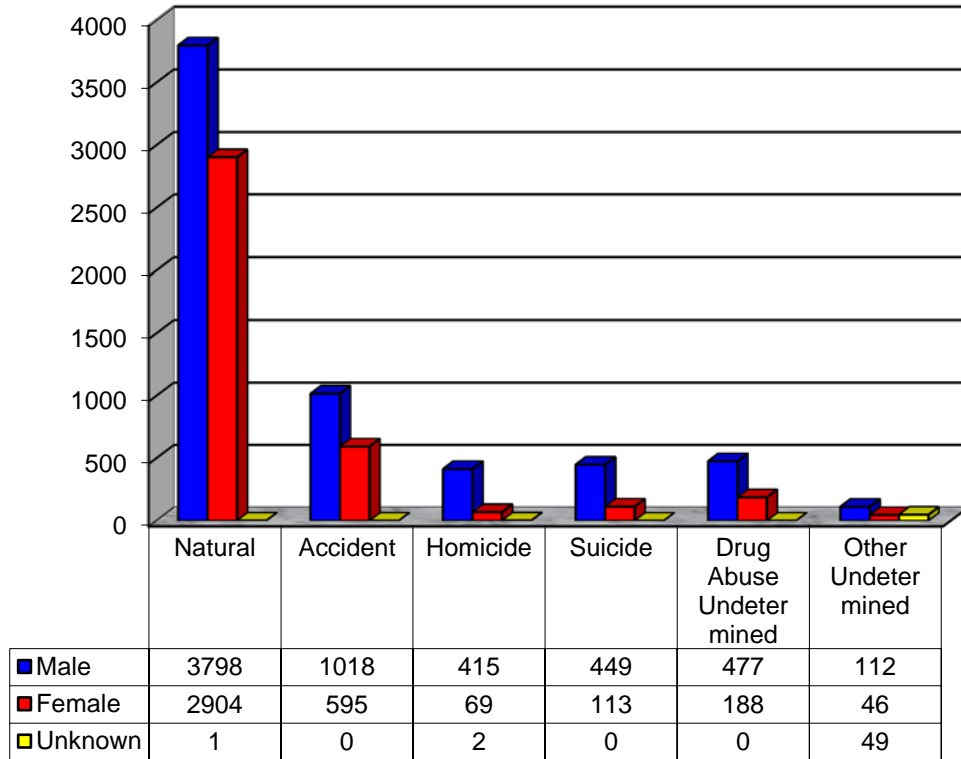


\* Undetermined Manner: Drugs/Narcotics

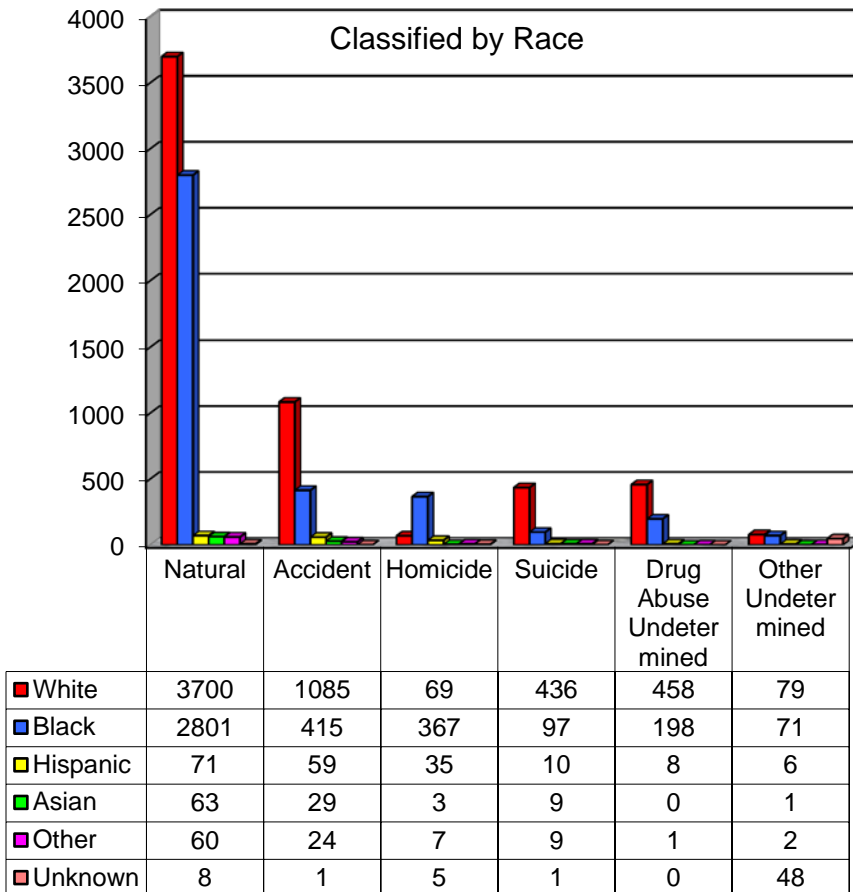
\*\* Undetermined Manner: Other

Total Cases - 10236

Classified by Sex



Classified by Race



**Medical Examiner Cases - 2009**  
**Cause and Manner of Death**

Cause of Death	Manner of Death					Total
	Natural	Homicide	Suicide	Accident	Undetermined	
<i>Infectious disease</i>						
AIDS	35	-	-	-	-	35
Other	124	-	-	-	-	124
<i>Malignant neoplasms (Cancer)</i>	441	-	-	-	-	441
<i>Endocrine and metabolic disease</i>						
Diabetes	68	-	-	-	-	68
Other	9	-	-	-	-	9
<i>Mental Disorders</i>						
Alcohol abuse	125	-	-	-	-	125
Other	1	-	-	-	-	1
<i>Nervous system disease</i>						
Meningitis	9	-	-	-	-	9
Seizure disorder	7	-	-	-	-	7
Other	53	-	-	-	-	53
<i>Circulatory system disease</i>						
Hypertensive cardiovascular disease	2283	-	-	-	-	2283
Arteriosclerotic cardiovascular disease	2156	-	-	-	-	2156
Cardiac arrhythmia	82	-	-	-	-	82
Cardiomyopathy	50	-	-	-	-	50
Pulmonary embolism	153	-	-	10	-	163
Cerebrovascular disease	59	-	-	-	-	59
Aneurysm	55	-	-	-	-	55
Hemorrhage	40	-	-	-	-	40
Other	74	-	-	-	-	74
<i>Respiratory system diseases</i>						
Respiratory distress syndrome	62	-	-	-	-	62
Pneumonia	196	-	-	-	-	196
Chronic obstructive pulmonary disease	67	-	-	-	-	67
Asthma	30	-	-	-	-	30
Other	26	-	-	-	-	26
<i>Digestive system disease</i>						
Fatty liver	7	-	-	-	-	7
Cirrhosis	89	-	-	-	-	89
Gastrointestinal hemorrhage	52	-	-	-	-	52
Other	97	-	-	-	-	97
<i>Congenital anomalies</i>	-	-	-	-	-	-
<i>Perinatal conditions</i>	6	-	-	-	-	6
<i>Ill-defined conditions</i>						
Sudden Infant Death Syndrome	12	-	-	-	-	12
Other	1	-	-	-	58	59

Cause of Death	Manner of Death					Total
	Natural	Homicide	Suicide	Accident	Undeter- Mined	
<i>Traumatic injury</i>						
Head/Chest injuries	-	8	-	294	11	313
Multiple injuries	-	18	25	501	8	552
Blunt force	-	26	-	6	-	32
Gunshot wound	-	348	213	1	-	562
Sharp force/cutting	-	62	13	1	-	76
Fracture	-	-	-	173	-	173
Other trauma	-	-	-	1	-	1
<i>Poisoning</i>						
Alcohol intoxication	-	-	-	7	15	22
Drug intoxication/abuse	-	-	46	10	111	167
Alcohol and drug intoxication	-	-	2	-	50	52
Carbon monoxide	-	-	7	2	-	9
Cocaine intoxication	-	-	-	2	52	54
Cocaine and alcohol intoxication	-	-	-	-	4	4
Cocaine and narcotic intoxication	-	-	-	-	52	52
Narcotic intoxication	5	-	4	13	334	356
Narcotic and alcohol intoxication	-	-	-	3	38	41
Inhalant intoxication	-	-	2	-	-	2
<i>Asphyxiation</i>						
Airway obstruction/Aspirated stomach content	-	-	-	27	-	27
Hanging	-	-	148	1	-	149
Smoke inhalation	-	2	-	41	2	45
Strangulation/Asphyxiation	-	11	58	-	-	69
Suffocation	-	-	-	-	-	-
Drowning	-	-	14	42	8	64
Unspecified type of asphyxia	-	-	-	15	-	15
<i>Hypothermia</i>	-	-	-	10	-	10
<i>Hyperthermia</i>	-	-	-	2	-	2
<i>Thermal Injuries (Burns)</i>	-	1	1	11	-	13
<i>Electrocution</i>	-	-	-	4	-	4
<i>Other non-natural cause</i>	-	10	29	436	74	549
<i>Other natural cause</i>	229	-	-	-	-	229
<i>Unknown cause</i>	-	-	-	-	11	11
<i>Non-human remains</i>	-	-	-	-	44	44
<i>Accident during surgery/medical procedure</i>	-	-	-	-	-	-
<b>TOTAL</b>	6703	486	562	1613	872	10236



## Manner of Death - 3 Year Comparison

### Medical Examiner Cases\*: Manner of Death, Maryland 2009

Manner of Death	Number	%
Natural.....	6703	65.5
Homicide .....	486	4.7
Suicide.....	562	5.5
Accident .....	1613	15.8
Undetermined .....	872	8.5
Total .....	10236	100.0**

### Medical Examiner Cases: Manner of Death, Maryland 2008

Manner of Death	Number	%
Natural.....	6335	64.3
Homicide .....	550	5.6
Suicide.....	485	4.9
Accident .....	1613	16.4
Undetermined .....	873	8.9
Total .....	9856	100.0**

### Medical Examiner Cases: Manner of Death, Maryland 2007

Manner of Death	Number	%
Natural.....	6156	62.2
Homicide .....	582	5.9
Suicide.....	514	5.2
Accident .....	1655	16.7
Undetermined .....	987	10.0
Total .....	9894	100.0**

\*One case is being investigated and, therefore, the manner of death has not been determined.

\*\*Because of rounding, percentages do not necessarily total 100.

## Medical Examiner Cases - 2009

### Manner and Jurisdiction (One case is being investigated. One case is out of state.)

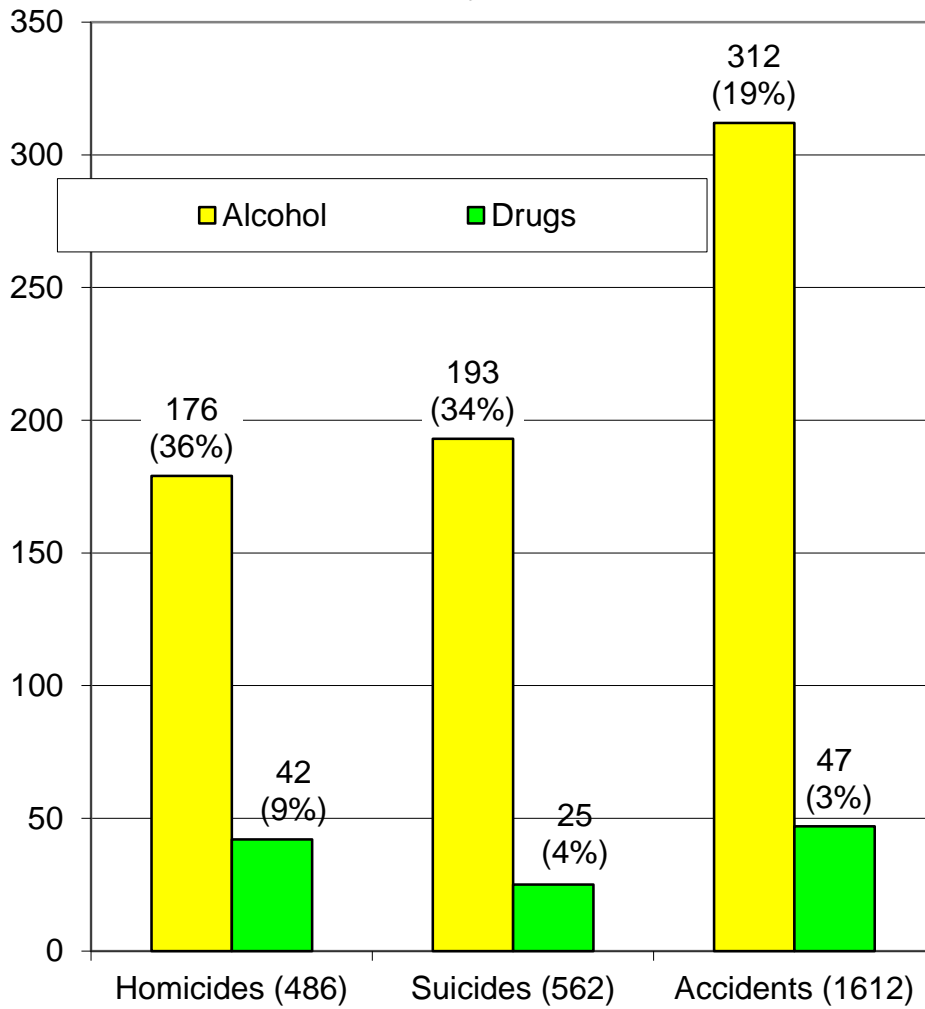
<u>County</u>	<u>Natural</u>	<u>Accident</u>	<u>Homicide</u>	<u>Suicide</u>	<u>Undetermined</u>	<u>TOTAL</u>
Allegany	112	48	4	10	11	185
Anne Arundel	591	90	14	44	70	809
Baltimore County	564	216	22	80	104	986
Calvert	77	22	0	6	12	117
Caroline	19	4	1	0	4	28
Carroll	89	26	3	15	22	155
Cecil	71	25	2	20	26	144
Charles	79	24	6	11	16	136
Dorchester	25	16	1	3	1	46
Frederick	109	39	9	31	24	212
Garrett	28	18	1	6	5	58
Harford	226	50	6	27	34	343
Howard	103	44	2	25	14	188
Kent	20	6	2	2	6	36
Montgomery	627	189	17	65	52	950
Prince George's	1237	211	117	64	80	1709
Queen Anne's	14	5	1	2	5	27
St. Mary's	40	27	0	15	13	95
Somerset	23	4	1	4	3	35
Talbot	45	17	0	5	4	71
Washington	154	56	2	20	30	262
Wicomico	223	50	8	14	16	311
Worcester	55	16	0	7	8	86
Baltimore City	2171	410	267	86	312	3246
<b>TOTAL</b>	<b>6702</b>	<b>1613</b>	<b>486</b>	<b>562</b>	<b>872</b>	<b>10235</b>

### Type and Jurisdiction (One case is out of state.)

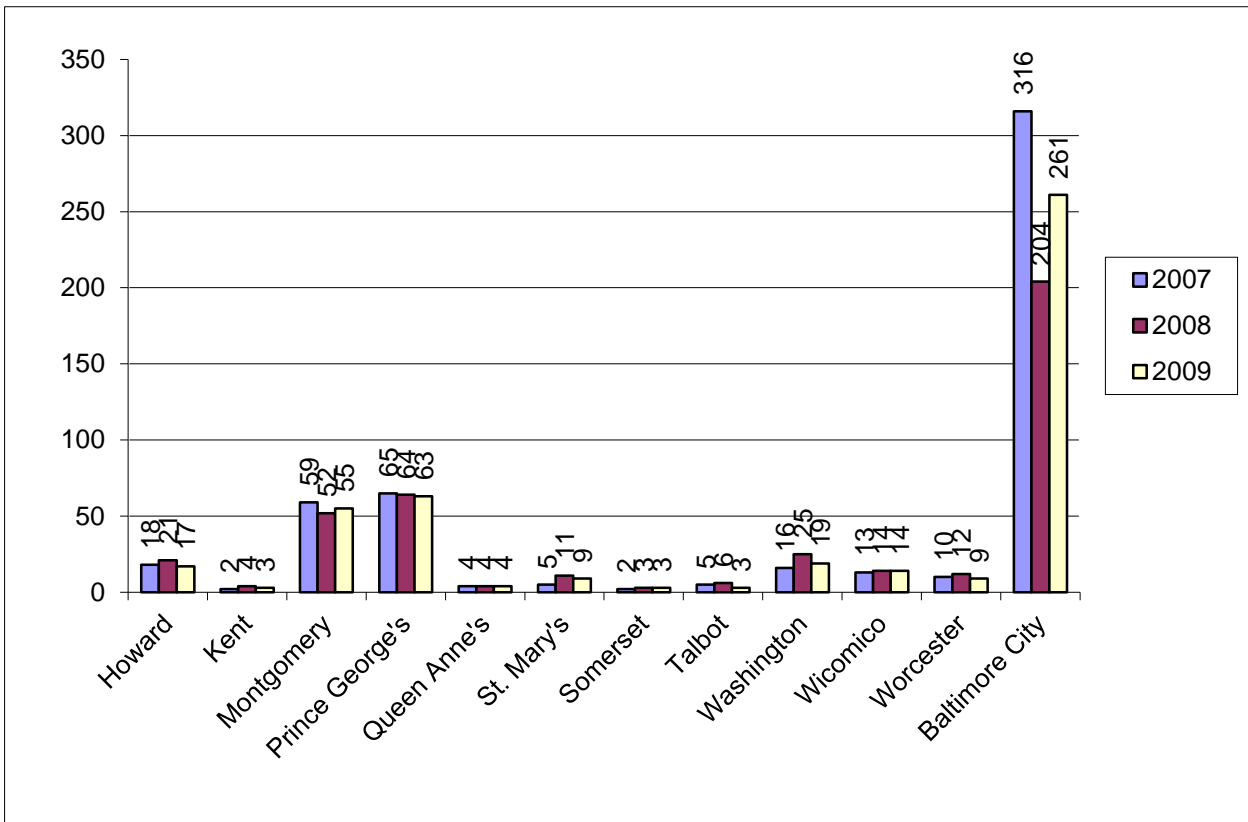
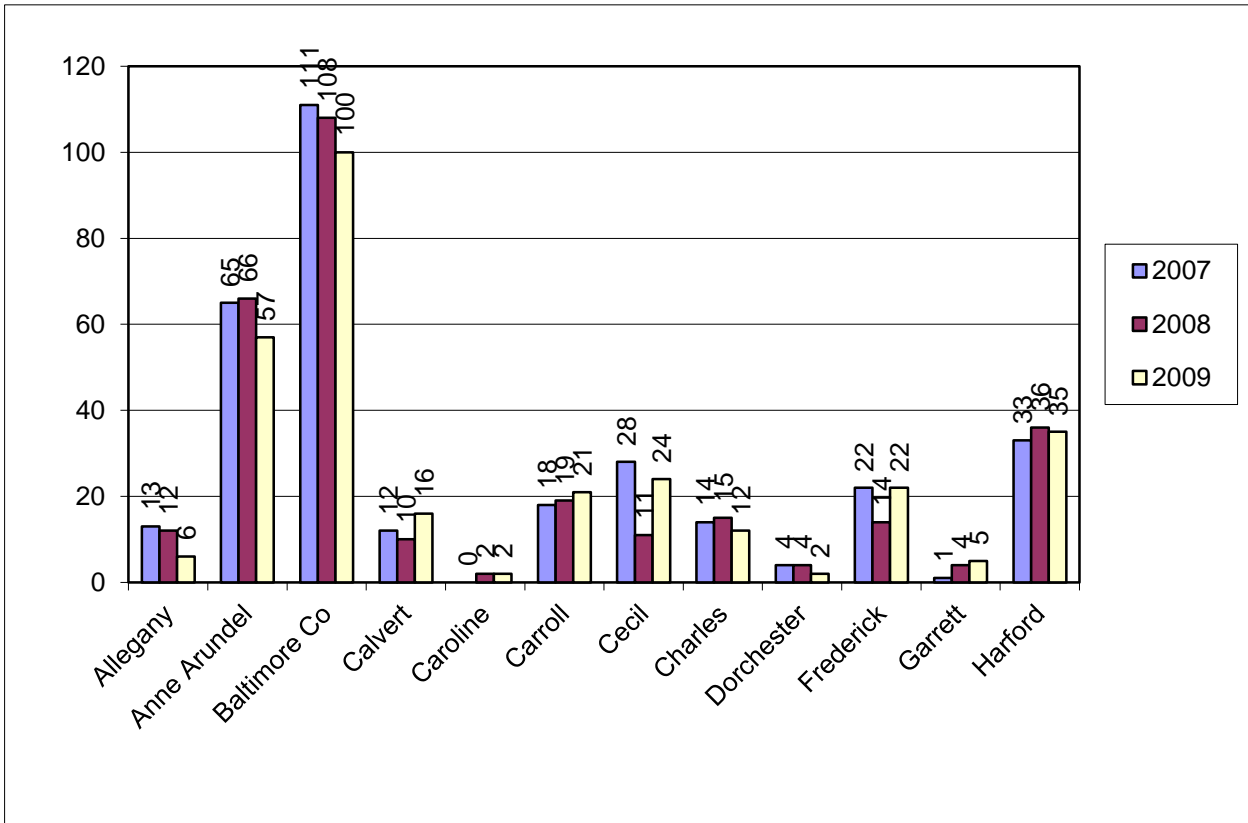
<u>County</u>	<u>Autopsy</u>	<u>OCME Inspections</u>	<u>Field Inspections</u>	<u>Inquiry</u>	<u>Approval</u>	<u>Decline</u>	<u>TOTAL</u>
Allegany	78	7	21	7	24	48	185
Anne Arundel	285	26	83	15	26	374	809
Baltimore County	433	31	95	31	126	270	986
Calvert	43	7	14	2	7	44	117
Caroline	13	1	3	1	1	9	28
Carroll	73	4	26	5	10	37	155
Cecil	90	11	11	3	8	21	144
Charles	75	1	29	2	6	23	136
Dorchester	24	1	6	0	3	12	46
Frederick	105	10	46	5	16	30	212
Garrett	31	1	14	1	5	6	58
Harford	132	16	31	8	17	139	343
Howard	94	13	21	8	15	37	188
Kent	18	3	3	2	3	7	36
Montgomery	285	32	83	36	111	403	950
Prince George's	607	22	157	18	73	832	1709
Queen Anne's	16	2	4	1	0	4	27
St. Mary's	62	3	9	1	8	12	95
Somerset	20	0	5	0	0	10	35
Talbot	24	3	13	4	5	22	71
Washington	125	11	31	3	29	63	262
Wicomico	100	6	39	9	22	135	311
Worcester	35	1	31	0	2	17	86
Baltimore City	1088	114	144	110	268	1522	3246
<b>TOTAL</b>	<b>3855</b>	<b>326</b>	<b>919</b>	<b>271</b>	<b>786</b>	<b>4078</b>	<b>10235</b>

2009 Toxicology Testing  
# of Cases Positive for Alcohol and/or Drugs\*  
(Percentage of the Manner of Death)

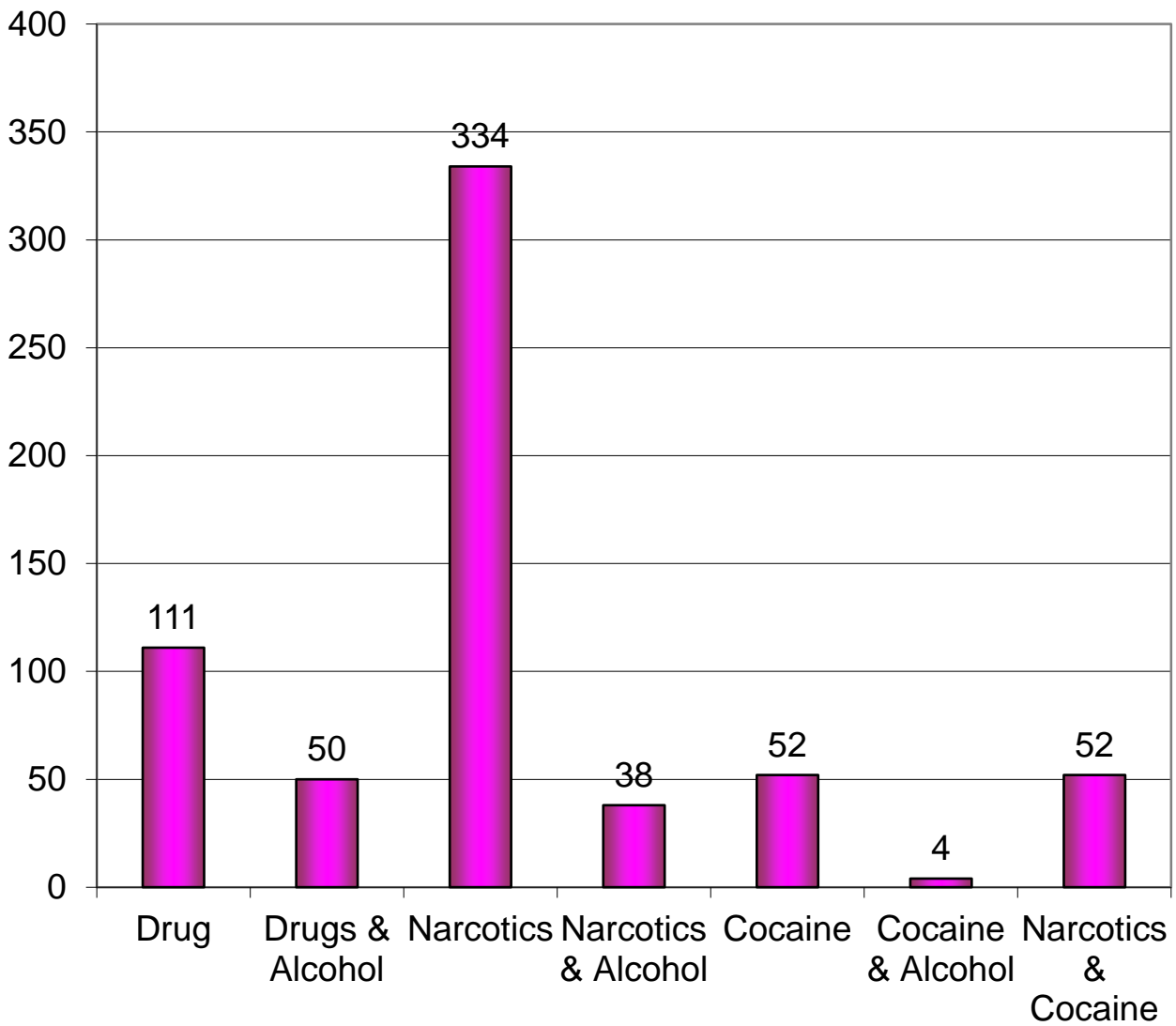
\*Drugs include heroin, morphine, cocaine, methadone and phencyclidine.



Manner of Death



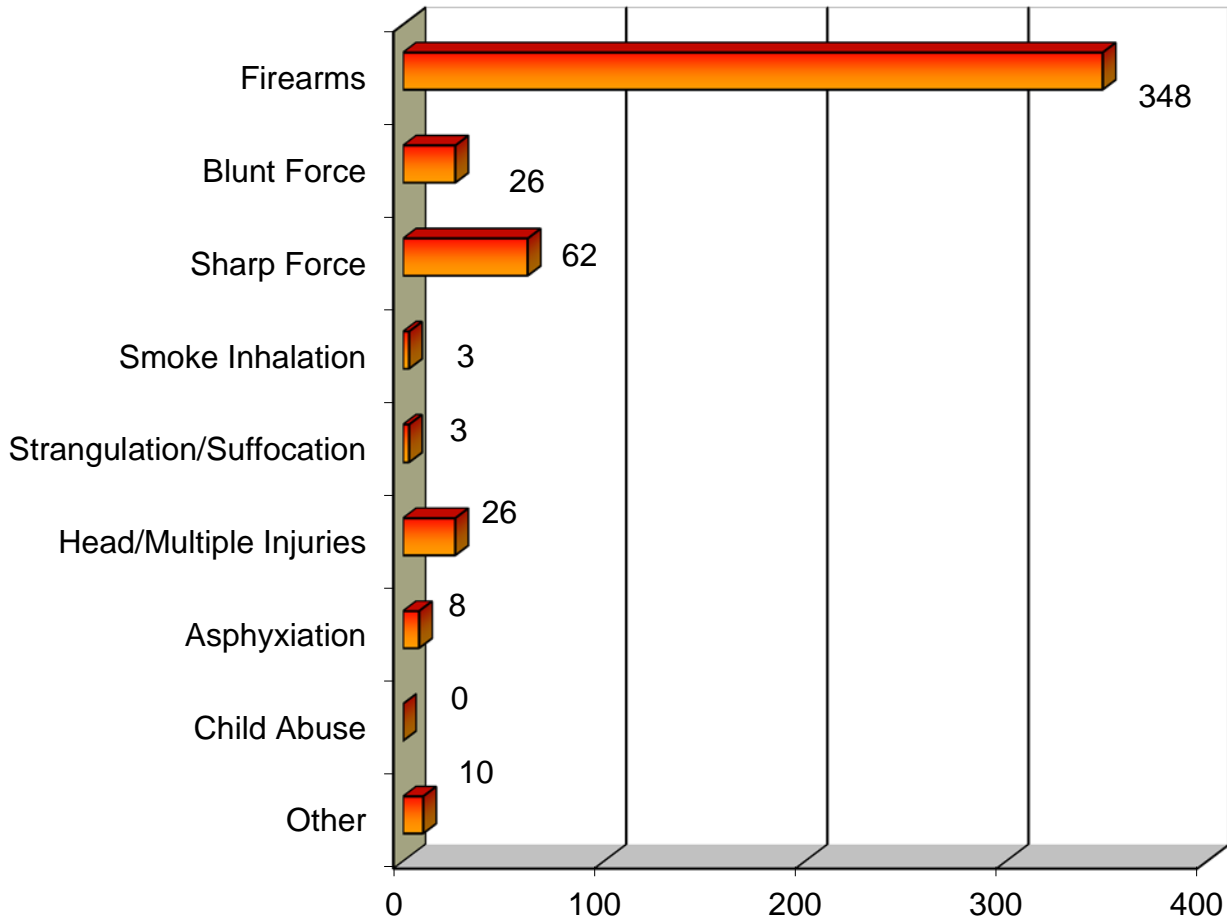
## 2009 Drug Abuse Deaths Undetermined Manner



Narcotics include Heroin, Morphine, Methadone, Phencyclidine  
Drugs include Prescription Medications

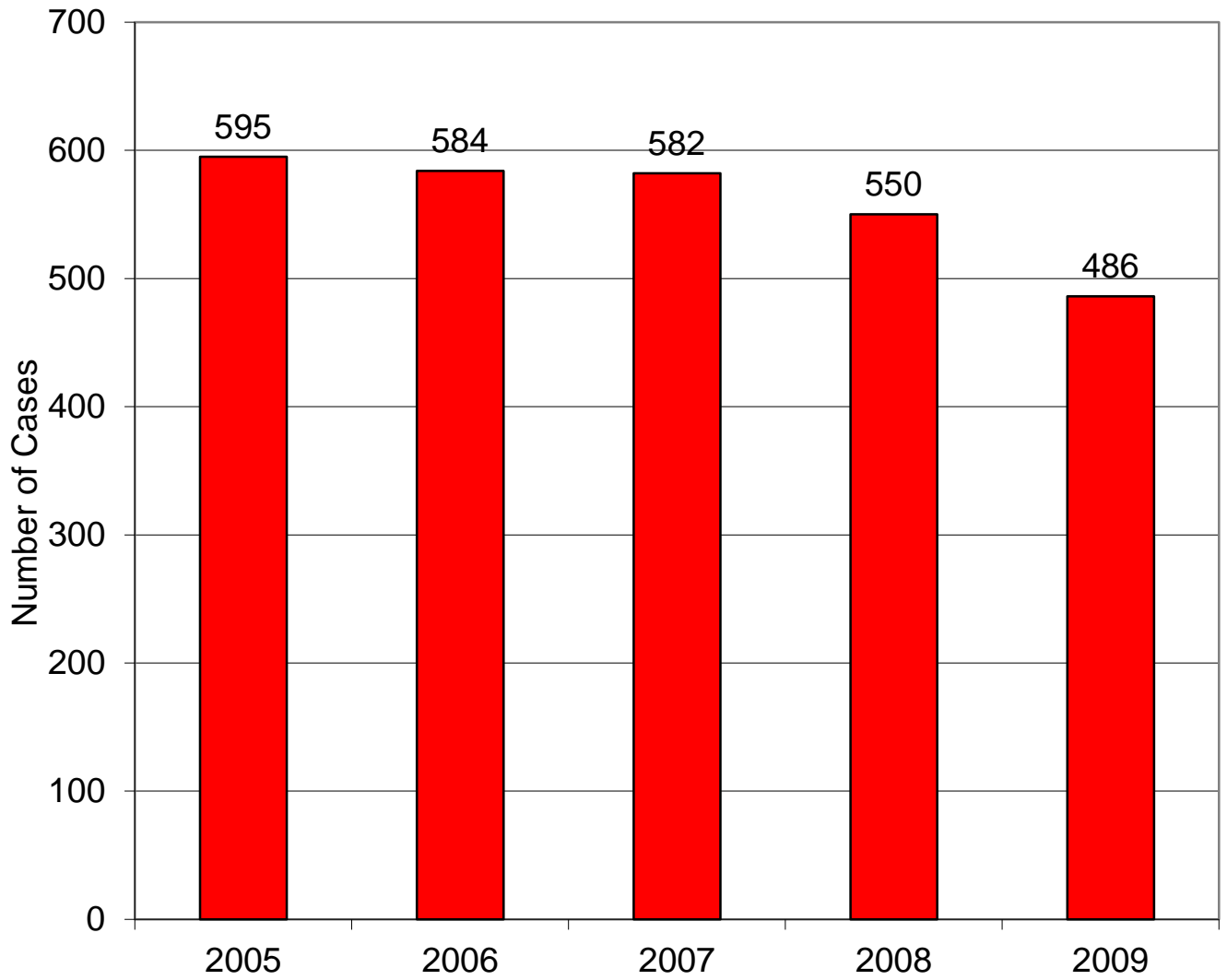
Total Cases - 641

# 2009 Homicide Deaths Cause of Death

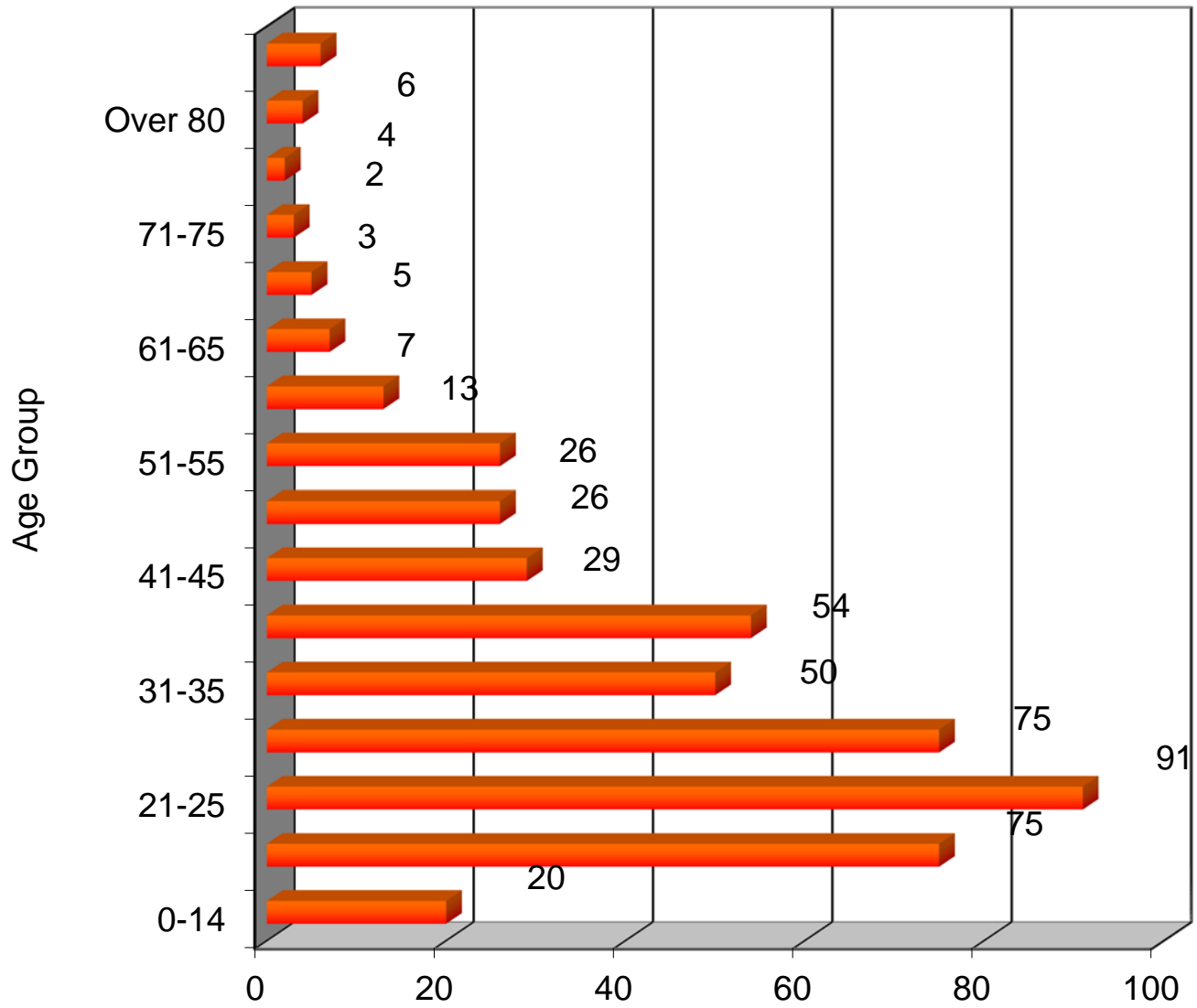


Total Deaths - 486

# Homicides 5 Year Comparison 2005 - 2009



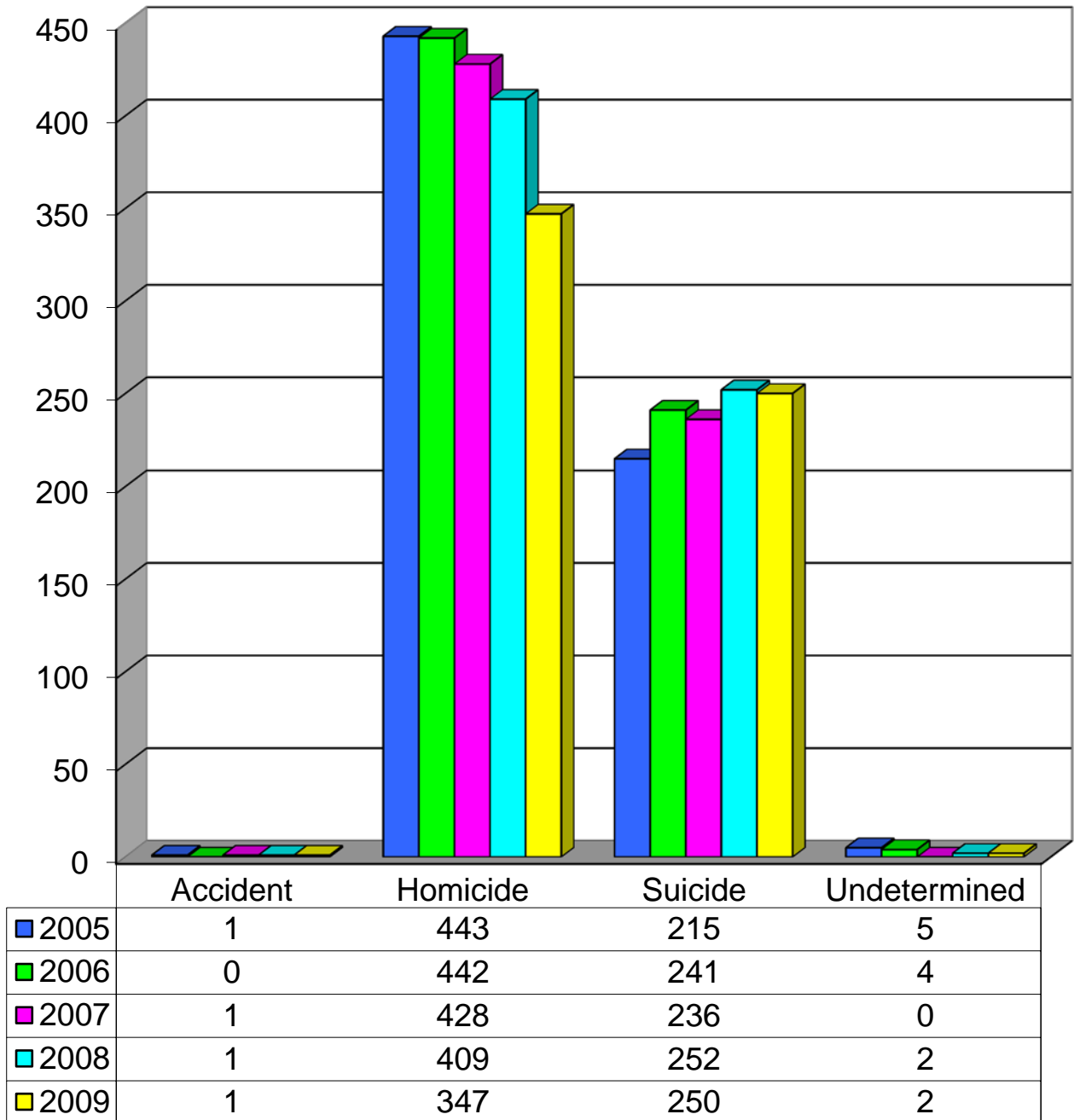
# 2009 Homicides Deaths by Age



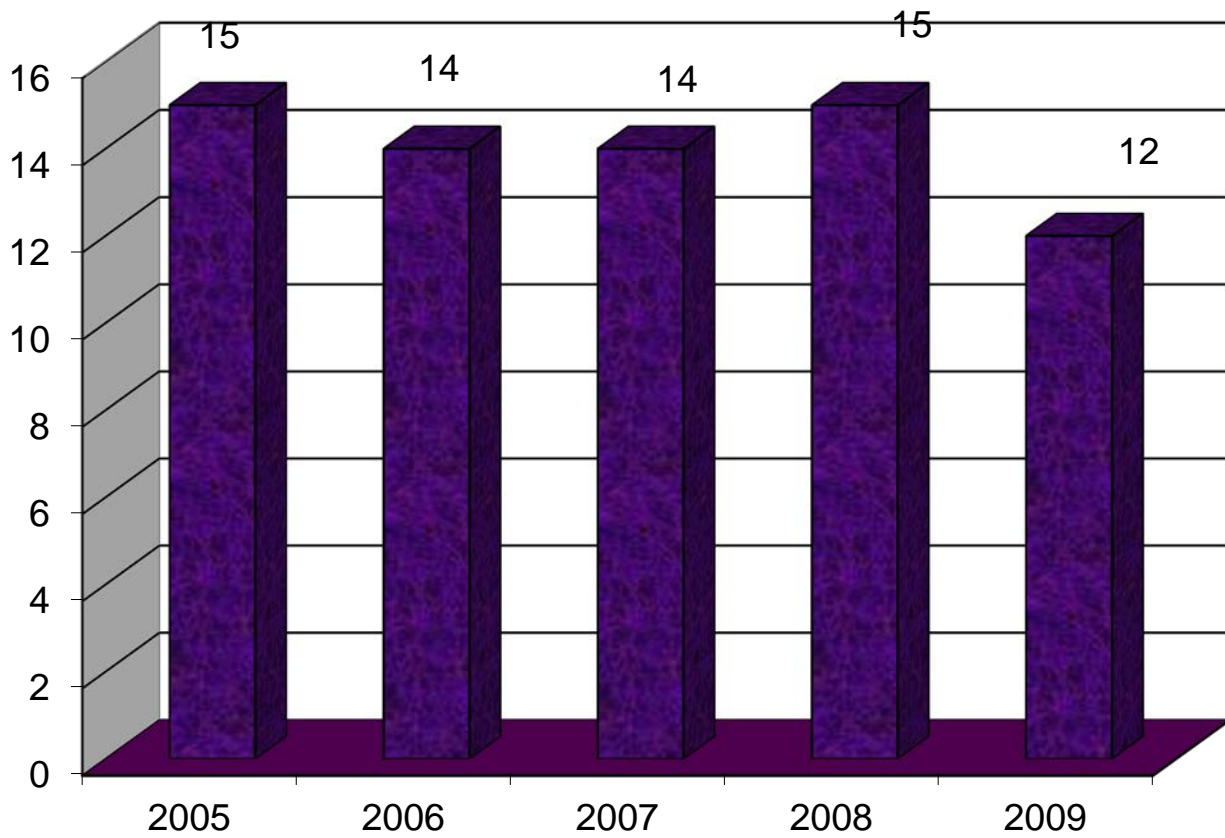
Total Deaths - 486



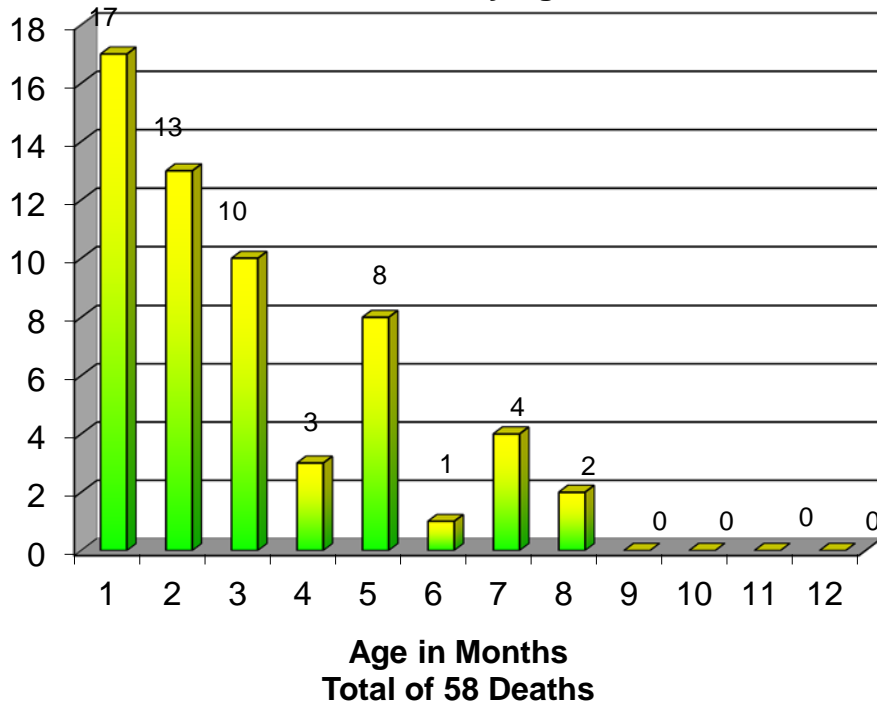
## Firearm Deaths 2005 - 2009



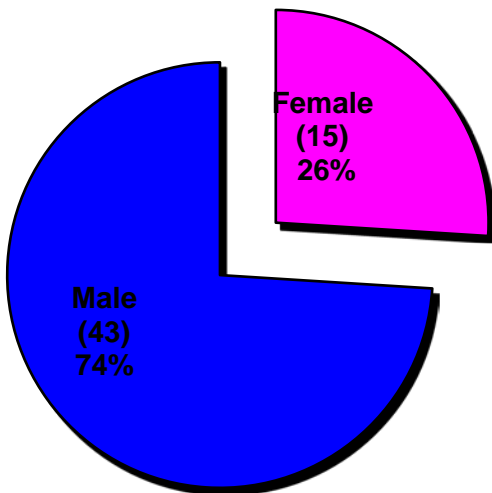
# SIDS Deaths 2005 - 2009 Comparison



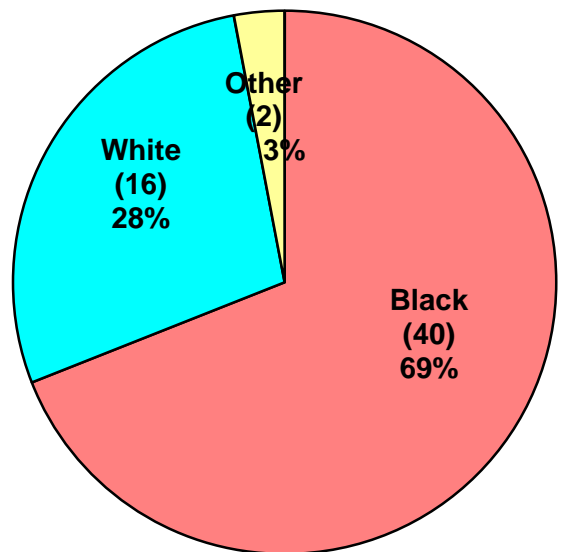
**Classified by Age**



**Classified by Sex**

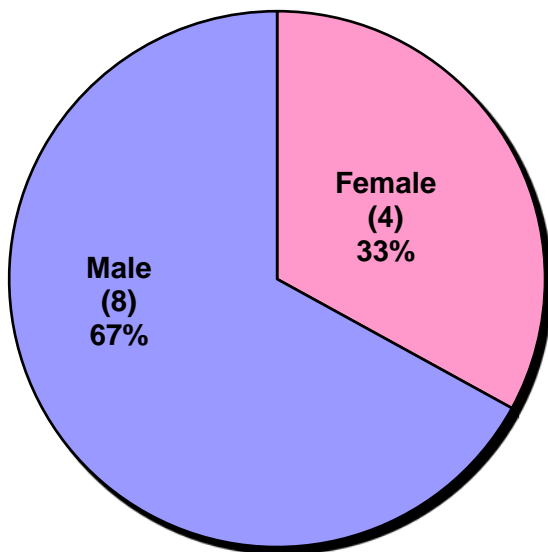


**Classified by Race**

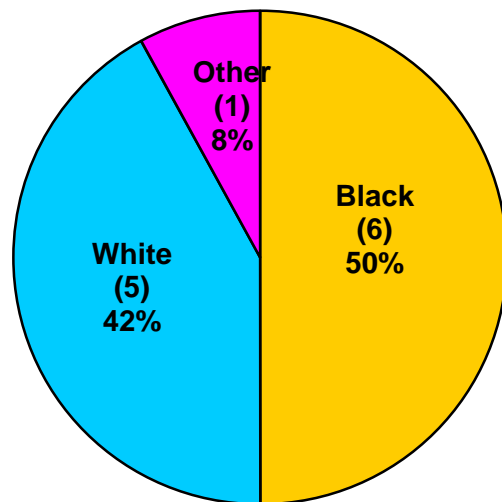




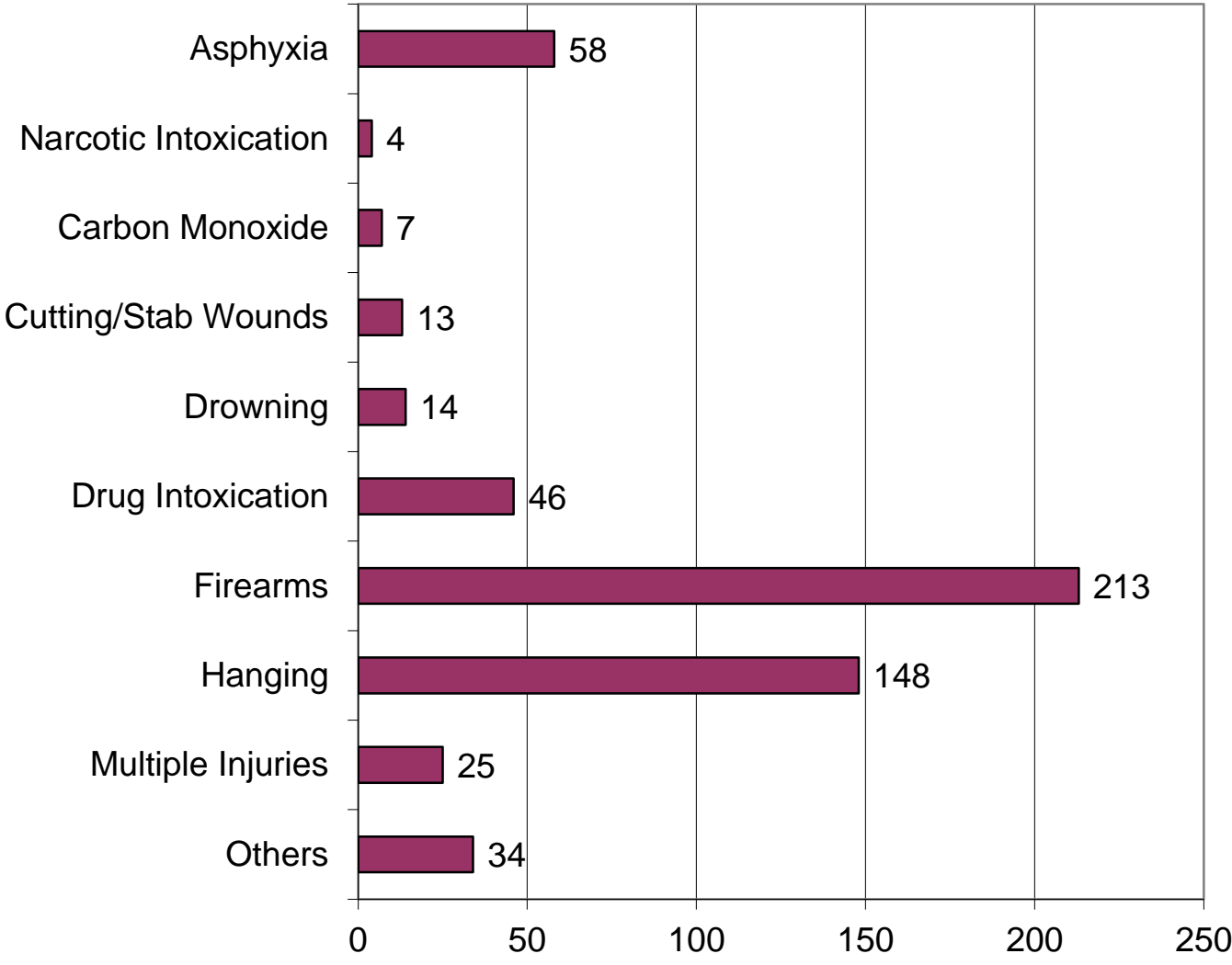
**Classified by Sex**



**Classified by Race**

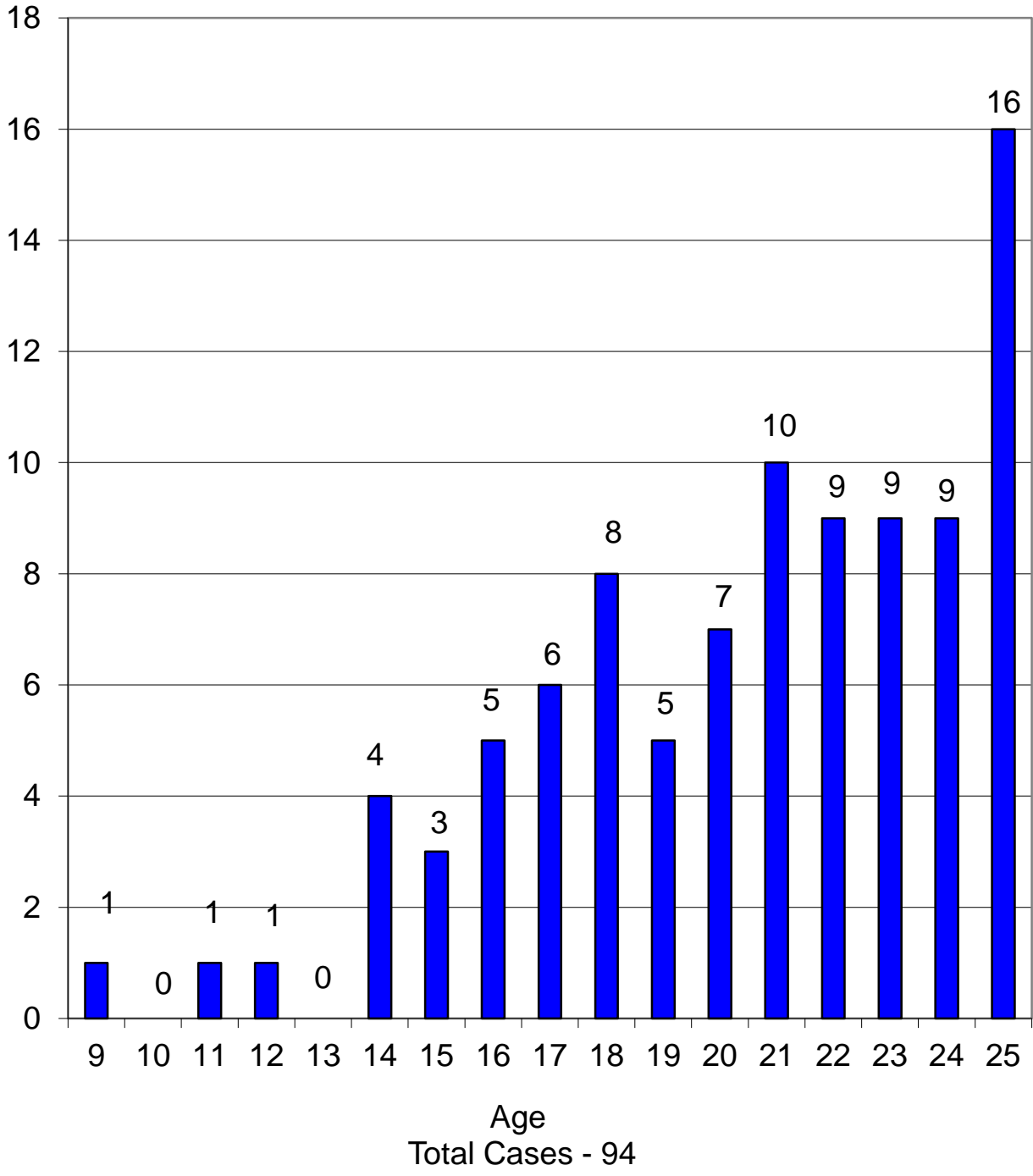


# 2009 Suicide Deaths Classified by Cause of Death

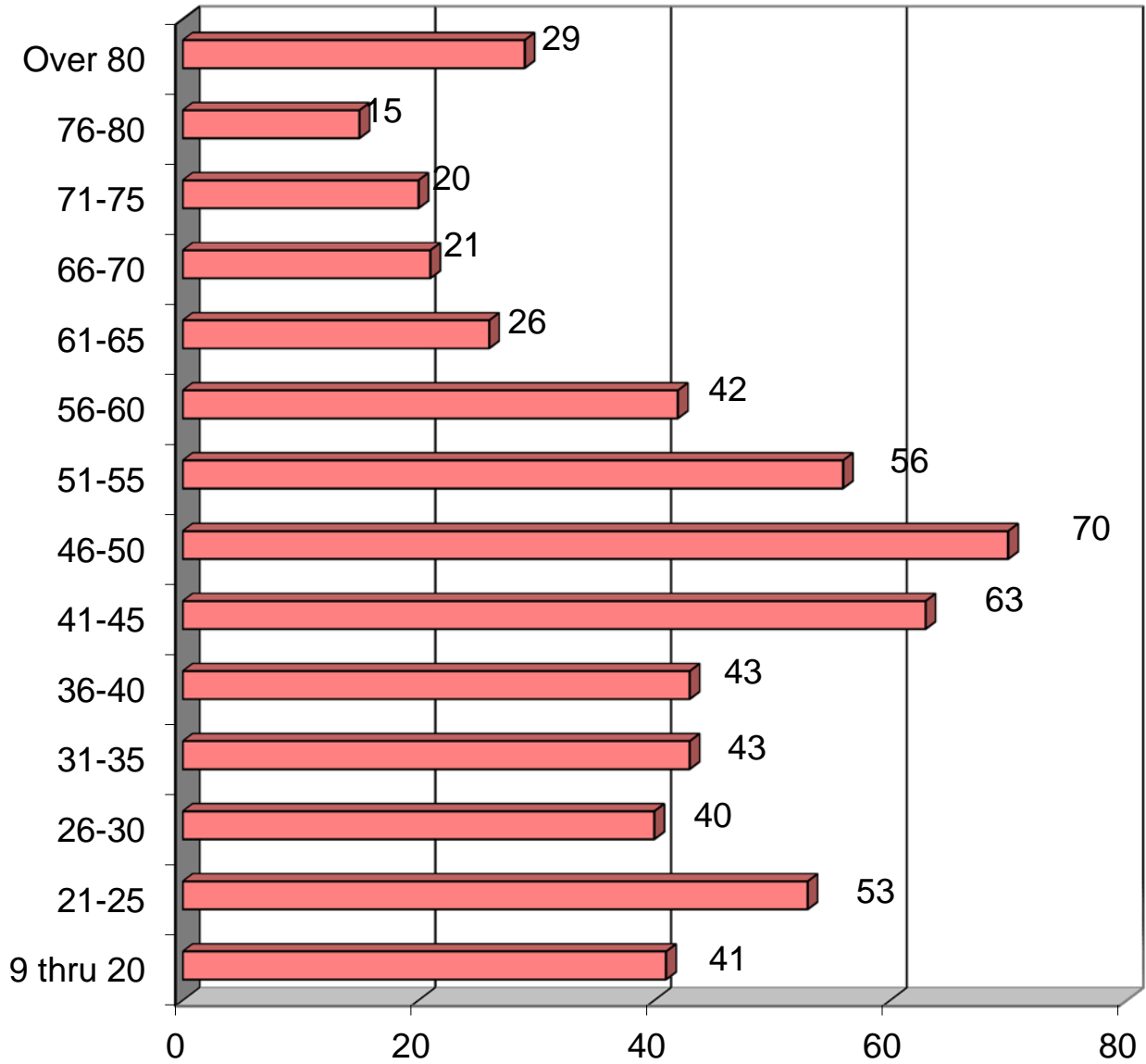


Total Cases - 562

# 2009 Youth Suicides 25 Years of Age and Under

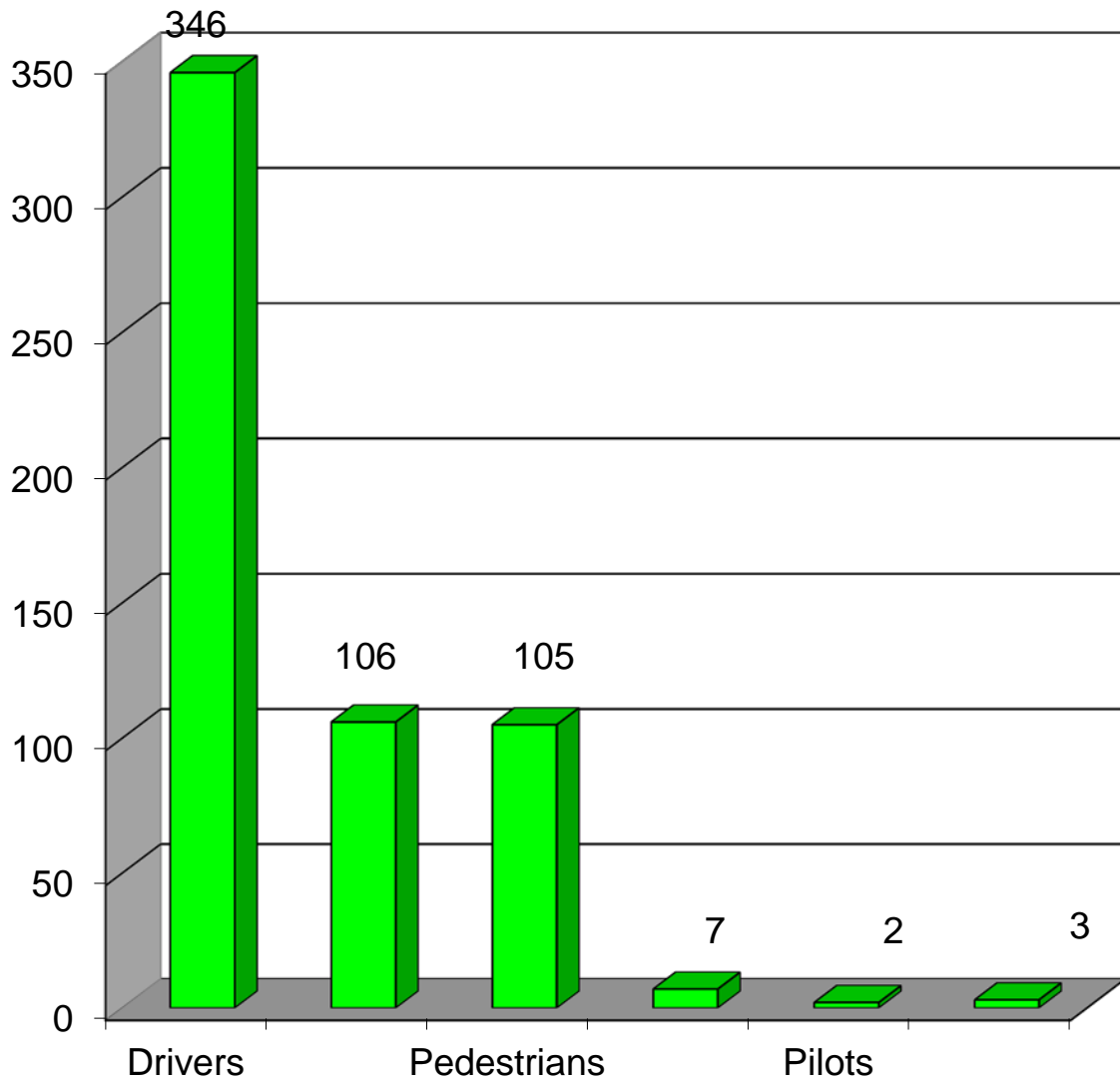


# 2009 Suicide Deaths by Age



Total Deaths - 562

## 2009 Transportation Accidents\* Classified by Activity

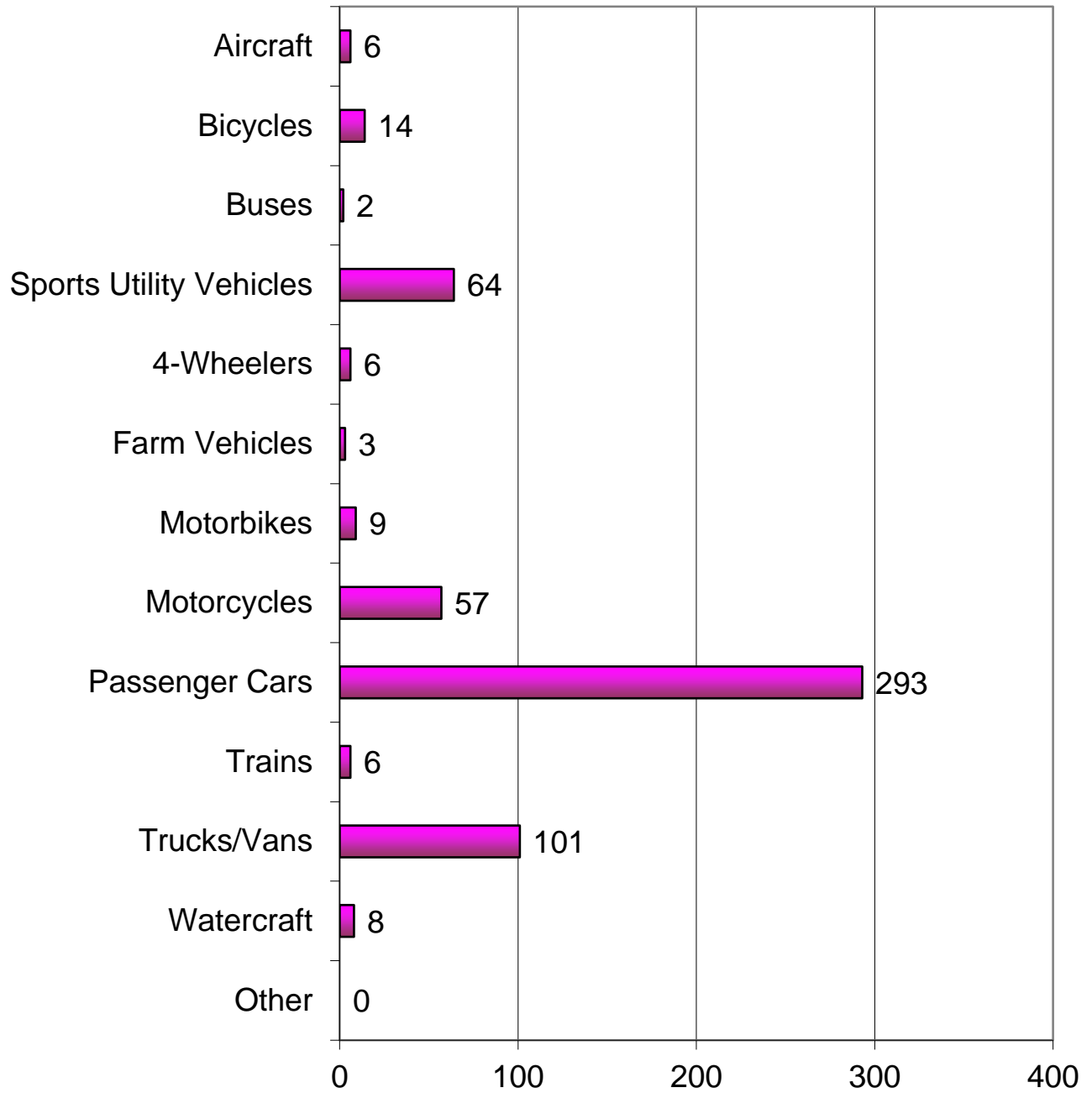


\*Includes motor vehicles, boats, planes, bicycles and trains

Total Cases - 569

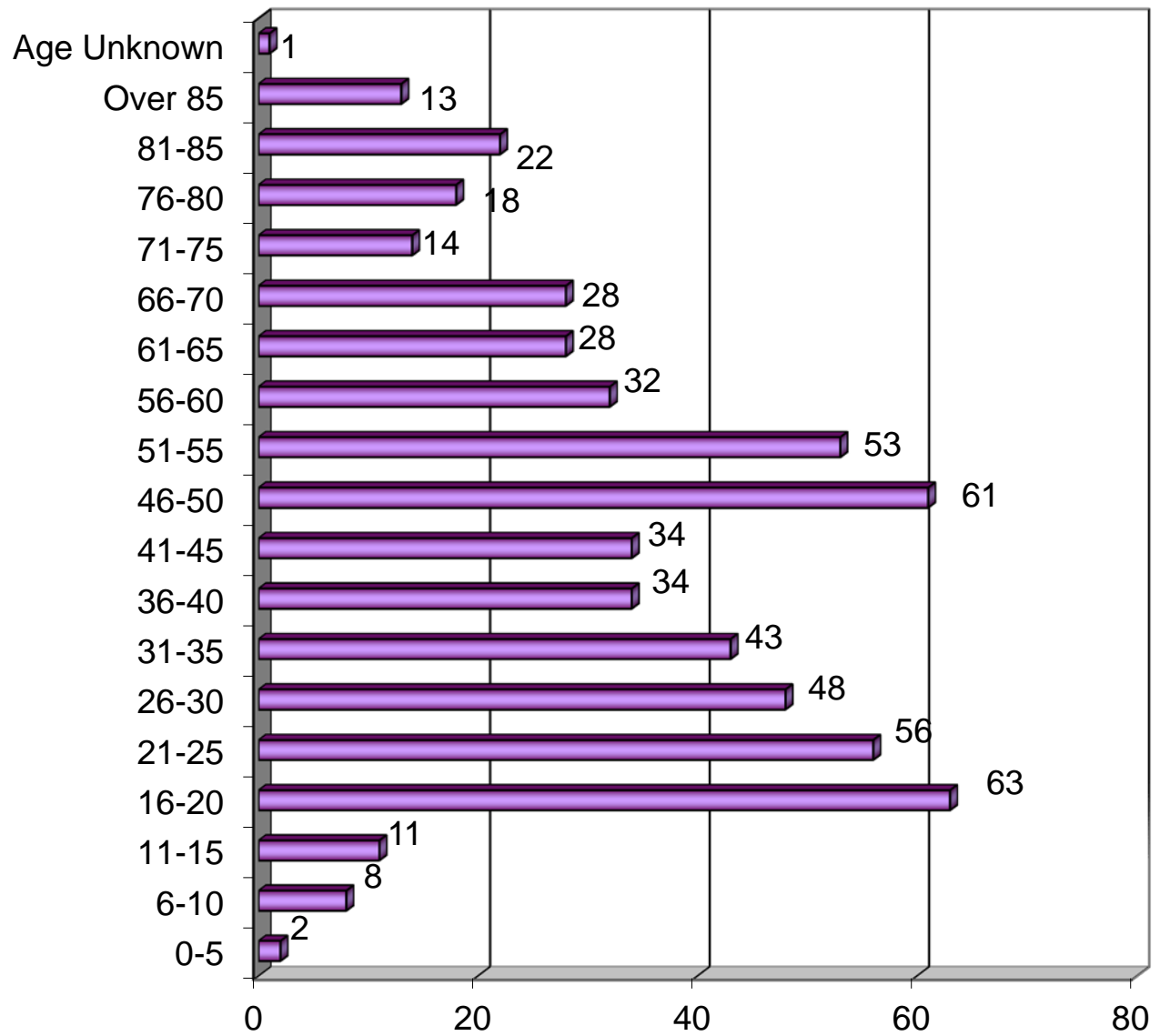


## 2009 Transportation Deaths Type of Vehicle



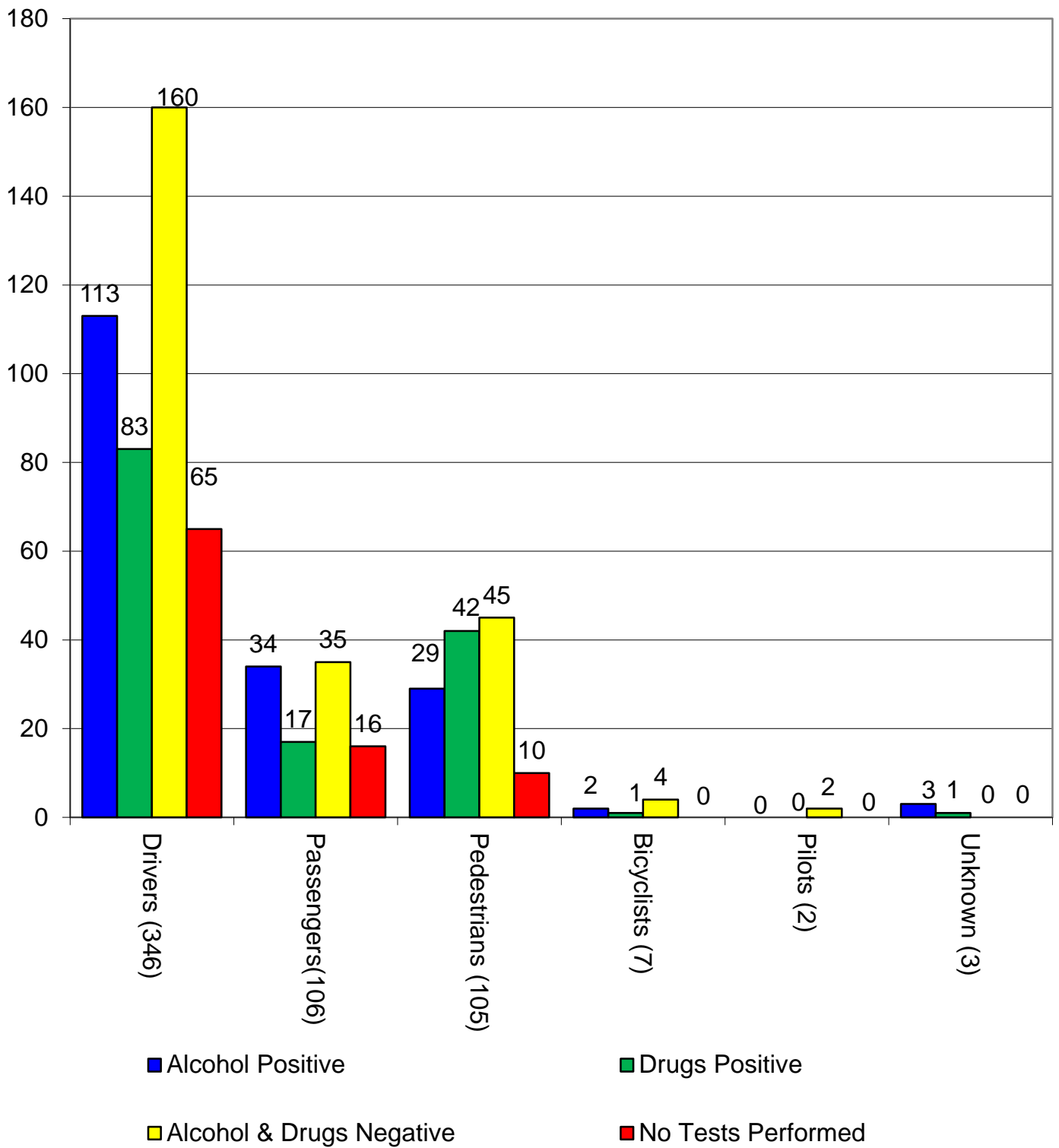
Total Cases - 569

# 2009 Transportation Deaths By Age



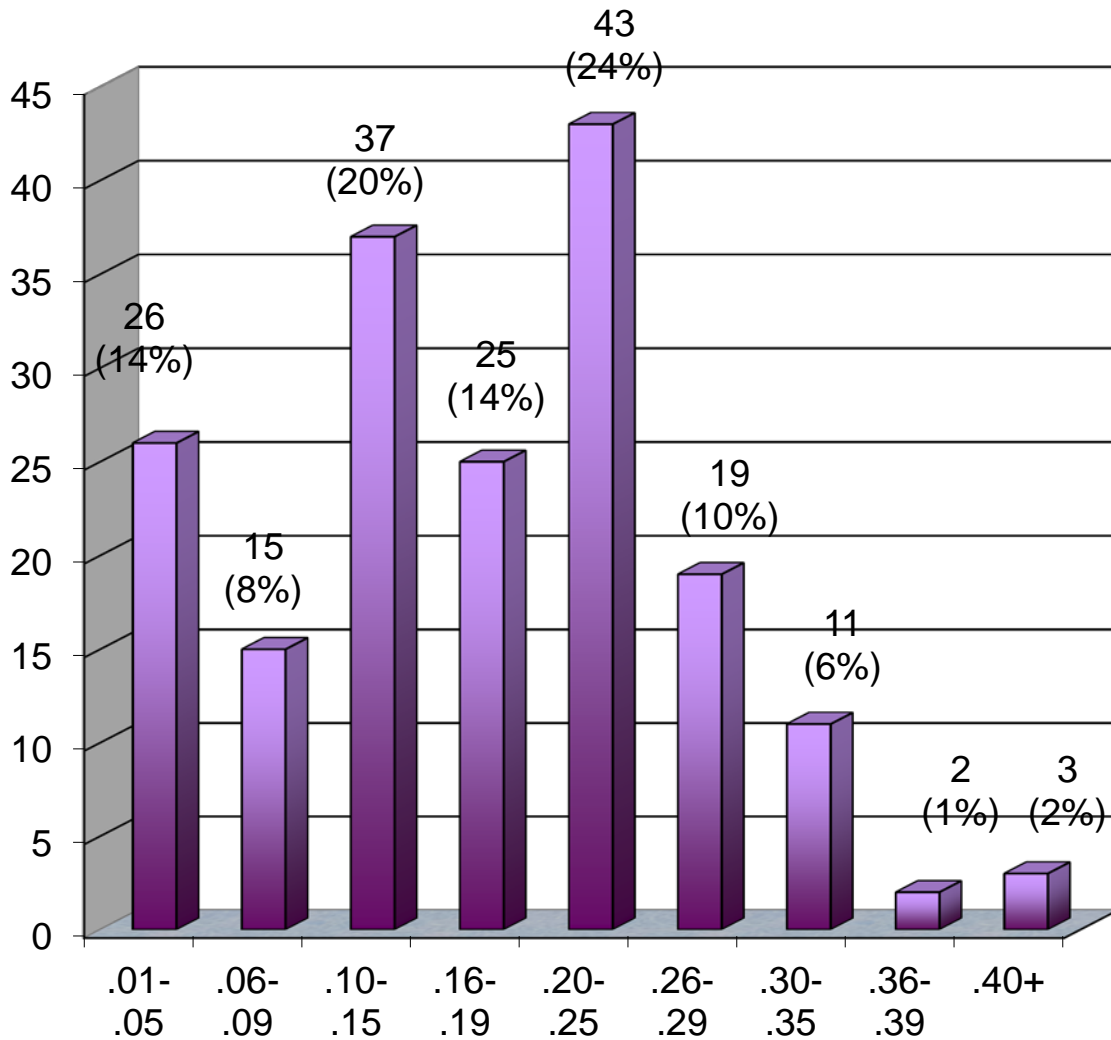
Total Cases - 569

## 2009 Transportation Accidents Alcohol/Drug Results



569 Transportation Deaths

2009 Transportation Deaths  
 Blood Alcohol Concentration in 181 Cases  
 37%\* Tested Positive



569 Transportation Deaths  
 311 Negative for Alcohol  
 77 No Testing Performed

\*Percent based on total cases tested for alcohol

## ADDENDUM

### Miscellaneous Data

1. Number of autopsies 3,095  
Number of partial autopsies 761
2. Organ donations 47
3. Unclaimed bodies released to State Anatomy Board 168
4. Exhumations One pending
5. Bodies transported to the OCME 4155