MEDICAL EXAMINER'S STATISTICAL REPORT

2017

CUYAHOGA COUNTY, OHIO

2017

Cuyahoga County Medical Examiner's Statistical Report

Armond Budish, Cuyahoga County Executive

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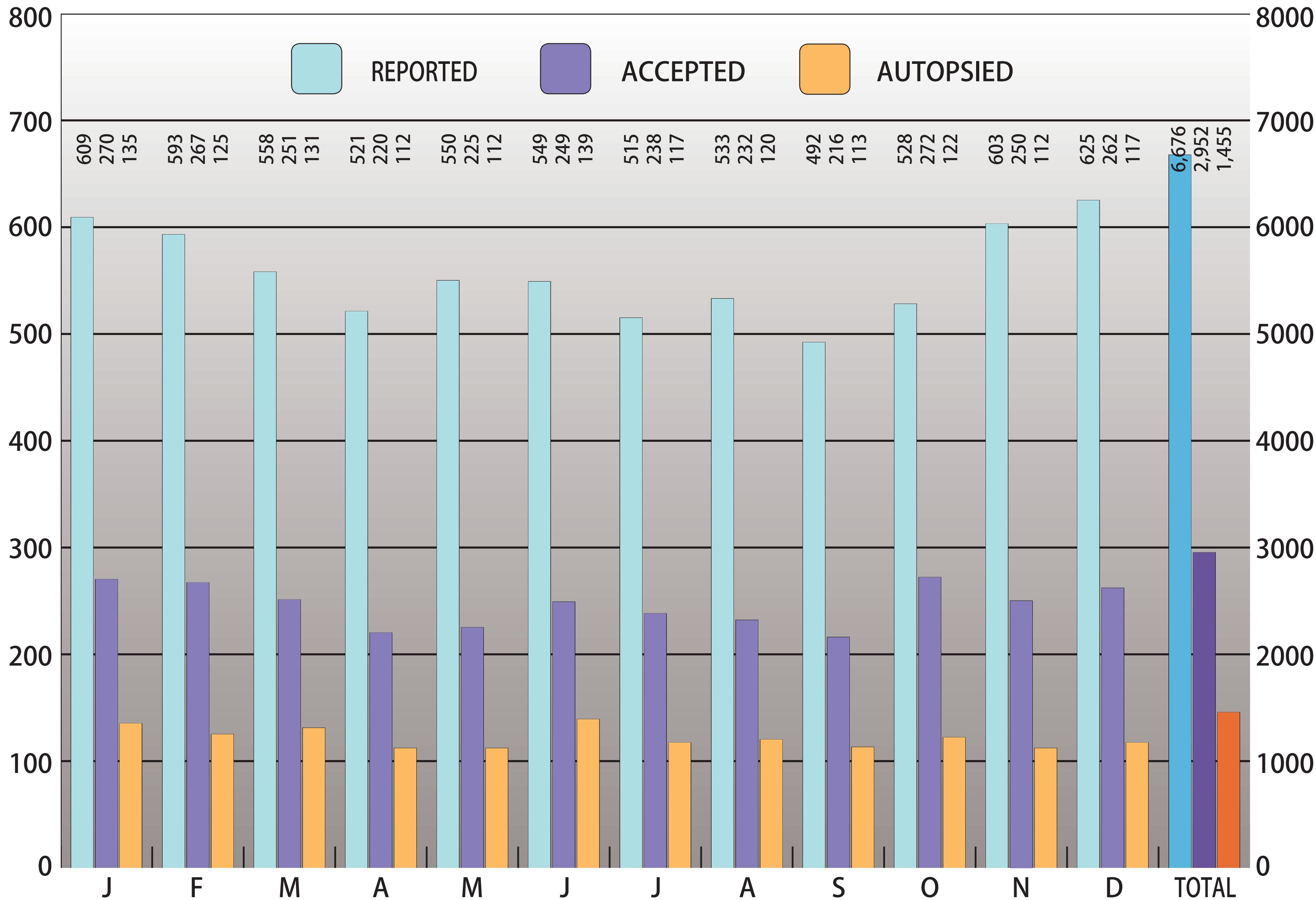

NUMBER OF CASES

MAPS

PHOTOGRAPHS

Thomas P. Gilson, M.D.
Medical Examiner

This seventy-ninth annual report of the Cuyahoga County Medical Examiner's Office and Regional Forensic Sciences Laboratory has been prepared in accordance with our tradition of commitment and accountability to our community. It is our mission to provide the highest level of professional service to the residents of Cuyahoga County and the report that follows documents the scope of our activity to achieving this goal.

In 2018, the opioid epidemic continued to draw national attention with its catastrophic death toll and associated social problems. Ohio remained the state with the greatest number of drug-related deaths and in the autumn, Cuyahoga County joined an ever-growing list of public entities filing suit against the manufacturers and distributors of prescription pain relievers for their role in precipitating the crisis. Also of concern was the persistent elevation of the homicide rate in the county and the problems associated with gun violence. This occurred against a backdrop of mass shooting events in Las Vegas and Texas, as well as terror activities nationally and internationally. Never did there seem to be a greater need for forensic professionals.

On a brighter note the year saw the Medical Examiner's Office identify several individuals who, in another era, would have remained nameless and all but forgotten except for those desperately seeking closure. With the help of advances in forensic science and collaboration with a forensic anthropologist/artist, closure was given to families and the cause of justice was advanced. This includes the case of Brooke Cameron, whose sketch appears on the cover of this report. Yet, there are still too many unidentified decedents in the United States and it is to their memory and to the families who do not yet have closure that we dedicate this annual Statistical Report.

Photograph by G. Wilson

This report is primarily a statistical summary of our experience. The information set forth conforms to the established patterns of previous reports so that comparisons can be made readily. The tabular format is identical with earlier reports. New tables, charts and maps have been added to further emphasize certain data.

All cases recorded here have been summarized from various aspects. Cases are basically classified according to the official Medical Examiner's Verdict as to the manner of death. Thus, the following categories are used:

ACCIDENTS IN THE HOME
ACCIDENTS WHILE AT WORK
VEHICULAR ACCIDENTS
ACCIDENTS IN OTHER PLACES
HOMICIDES
SUICIDES
NATURAL CAUSES
CAUSE AND ORIGIN UNDETERMINED

Cases are further subdivided according to geographical location, monthly incidence, mode, sex, race, age, and ethnicity of victims, and ethanol incidence by month, sex, race, and mode. Additional relationships are indicated through specific tables for various types of cases.

Persons desiring further information should direct their requests to the Medical Examiner. Every effort will be made to supply data requested.

The Cuyahoga County Medical Examiner's Office and the Cuyahoga County Regional Forensic Science Laboratory aspire to the highest standards of our profession. The office and laboratories have received the following accreditations at the time of publication:

American Association of Blood Banks (AABB) - AABB advances the practice and standards of transfusion medicine and cellular therapies to optimize patient and donor care and safety. There are over 40 AABB-accredited laboratories in the U.S. that offer DNA testing to verify a stated biological relationship.

American Society of Crime Lab Directors - Laboratory Accreditation Board (ASCLD-LAB) - The American Society of Crime Laboratory Directors/Laboratory Accreditation Board has been accrediting crime laboratories since 1982 and currently accredits most of the federal, state and local crime laboratories in the United States.

American Board of Forensic Toxicology (ABFT) - The purpose of the American Board of Forensic Toxicology is to establish and enhance voluntary standards for the practice of forensic toxicology and for the examination and recognition of scientists and laboratories providing forensic toxicology services.

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FBI Quality Assurance Standards for Inclusion in the Combined DNA Index System/National DNA Index System (CODIS/NDIS) - The DNA Identification Act of 1994 requires that the FBI Laboratory ensure that all DNA laboratories that participate in the National DNA Index System (NDIS) demonstrate compliance with the standards issued by the FBI.

Accreditation Council of Graduate Medical Education (ACGME) - The Accreditation Council for Graduate Medical Education (ACGME) is a private professional organization responsible for the accreditation of 8,887 residency education programs.

National Association of Medical Examiners (NAME) - The National Association of Medical Examiners (NAME) is the national professional organization of physician medical examiners, medicolegal death investigators and death investigation system administrators who perform the official duties of the medicolegal investigation of deaths of public interest in the United States.

WHAT IS A MEDICAL EXAMINER'S CASE?

In November 2009, the residents of Cuyahoga County voted to reform County Government in order to significantly improve the County's economic competiveness. As part of the restructuring, the elected office of Coroner was abolished and replaced with a Medical Examiner, appointed by the County Executive and subject to confirmation by the Council. **Section 5.03 of Article V** of the **Charter of Cuyahoga County** defines the powers, duties, and qualifications of the Medical Examiner and states, in part, "All powers now or hereafter vested in or imposed upon county coroners by general law shall be exercised by the Medical Examiner".

Chapter 313 of the **Ohio Revised Code** contains the laws and rules specific to the office of "coroner". **Section 313.12** of the Revised Code of the State of Ohio requires the Coroner (Medical Examiner) be given notice when "...any person dies as a result of

CRIMINAL or other

VIOLENT means, by

CASUALTY, by

SUICIDE, or in any

SUSPICIOUS or **UNUSUAL** manner, when any person,

including a **CHILD UNDER TWO YEARS OF AGE** dies

SUDDENLY when in apparent health..."

Section 313.09 of the Revised Code requires the Medical Examiner to keep a complete record of all cases coming under his/her jurisdiction. Such records are public (**§ 313.10**) and the availability of these records for inspection and copying is defined in **Section 149.43**.

Section 313.11 of the Revised Code defines unlawfully disturbing a decedent while **Section 313.12** explains whose duty it is to notify the Medical Examiner of the known time, place, manner and circumstances of a reportable death.

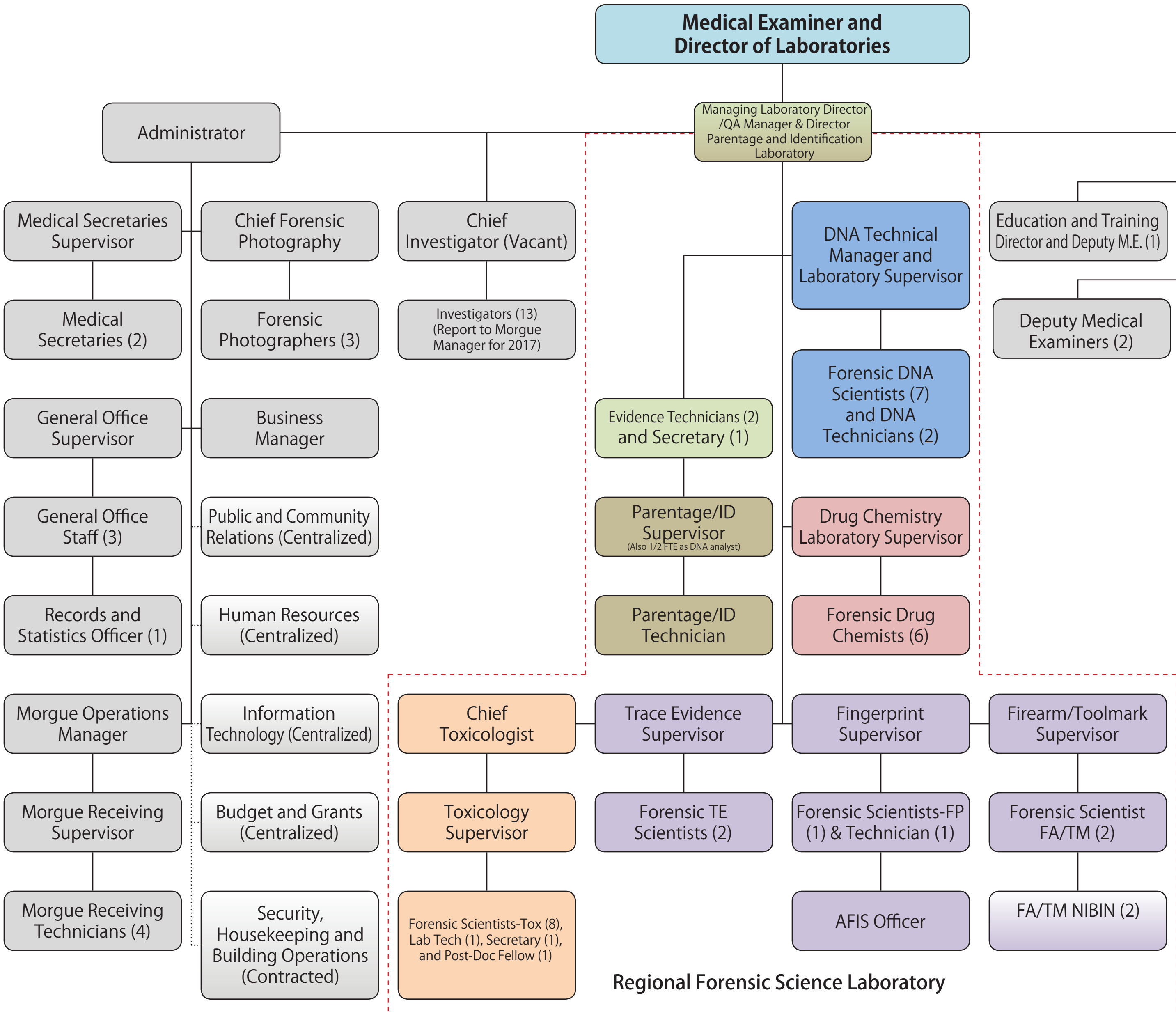
The Revised Code of the State of Ohio also outlines the role the Medical Examiner has with regard to taking charge of a dead body (**§ 313.13**), the responsibility for notifying known relatives of the decedent (**§ 313.14**), and securely storing their possessions. When firearms are included in the valuable personal effects of a deceased person, **Section 313.141** describes their disposition.

In Ohio, the Medical Examiner has considerable legal authority when investigating circumstances of death. These abilities are delineated in **Section 313.17** and the law concerning the use of a Medical Examiner's laboratory for emergency or law enforcement purposes are contained in **Section 313.21** of the Ohio Revised Code.

Coroners and Medical Examiners often work closely with public health and law enforcement officials. Protecting the well-being of the children of Cuyahoga County is a common priority. As such, **Section 307.622** defines the Medical Examiner's duty as a member of a child fatality review board. Additionally, **Section 2151.421** requires the reporting of child abuse and/or neglect by, amongst others, the Medical Examiner.

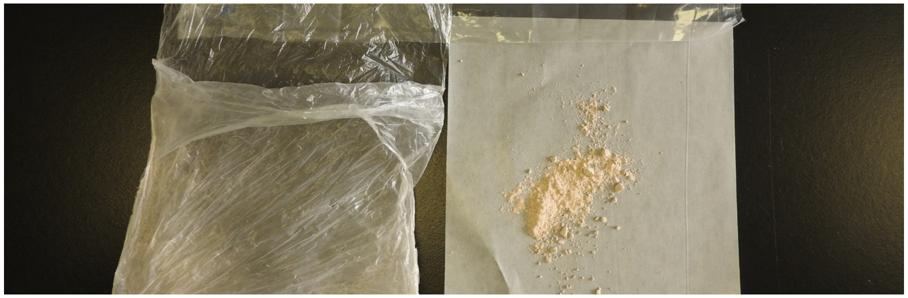
In addition to the aforementioned, there are dozens of other laws governing the Medical Examiner contained in the Revised Code of the State of Ohio. These laws vary greatly, covering subjects as diverse as DNA laboratory databases (**§109.573**), organ and tissue donation (**§313.30**, **2108.26**, **2108.262**, **2108.263**, **2108.266**, **2108.267**, and **2108.27**), the statement and certification of facts for vital statistics (**§3705.16**, **3705.17**, **3705.22**, and **3705.29**), and traffic rules for the Medical Examiner's vehicles (**§4511.042**, **4511.45**, and **4513.171**).

THE 2017 CUYAHOGA COUNTY MEDICAL EXAMINER'S OFFICE ORGANIZATIONAL CHART



The Cuyahoga County Opiate Initiative is a broad response to the ongoing public health emergency, identified in 2011 by the Cuyahoga County Medical Examiner's Office, through a review of case statistics of violent, suspicious and sudden or unexpected deaths, **such as overdose deaths, specifically those due to opiates/opioids and heroin.**

2017 ended with another record loss of life, with 727 drug deaths and 556 due to opiates and opioids both prescription and illicit. 492 deaths were due to fentanyl or a fentanyl analog (see below). Cuyahoga County set another record, for the seventh consecutive year, for the total number of deaths attributed to drug overdoses. The rate of increase over 2016 was substantially lower than the previous year but still at an incredibly high level. The year was shaping up to be even worse, with projections after the summer exceeding 800 or more deaths. Thankfully,



that scenario did not sustain itself for the entirety of the remainder of the year.

FENTANYL AND COCAINE

First, fentanyl continues to drive drug mortality. Its wholesale adulteration into the cocaine supply has had a disproportionate effect on the African American community, driving drug fatalities to an all-time high. Fentanyl (and fentanyl analog) related deaths nearly doubled from 2016.

The Cuyahoga County Medical Examiner issued additional warnings that the purposeful adulteration of the cocaine supply with fentanyl can be especially deadly to unsuspecting users and seems to be a deliberate attempt by the cartels to introduce fentanyl to the African American community. Fatalities in 2017, due to fentanyl related overdoses in the African American community, again more than doubled the 2016 total

FENTANYL, ANALOGUES, AND CARFENTANIL

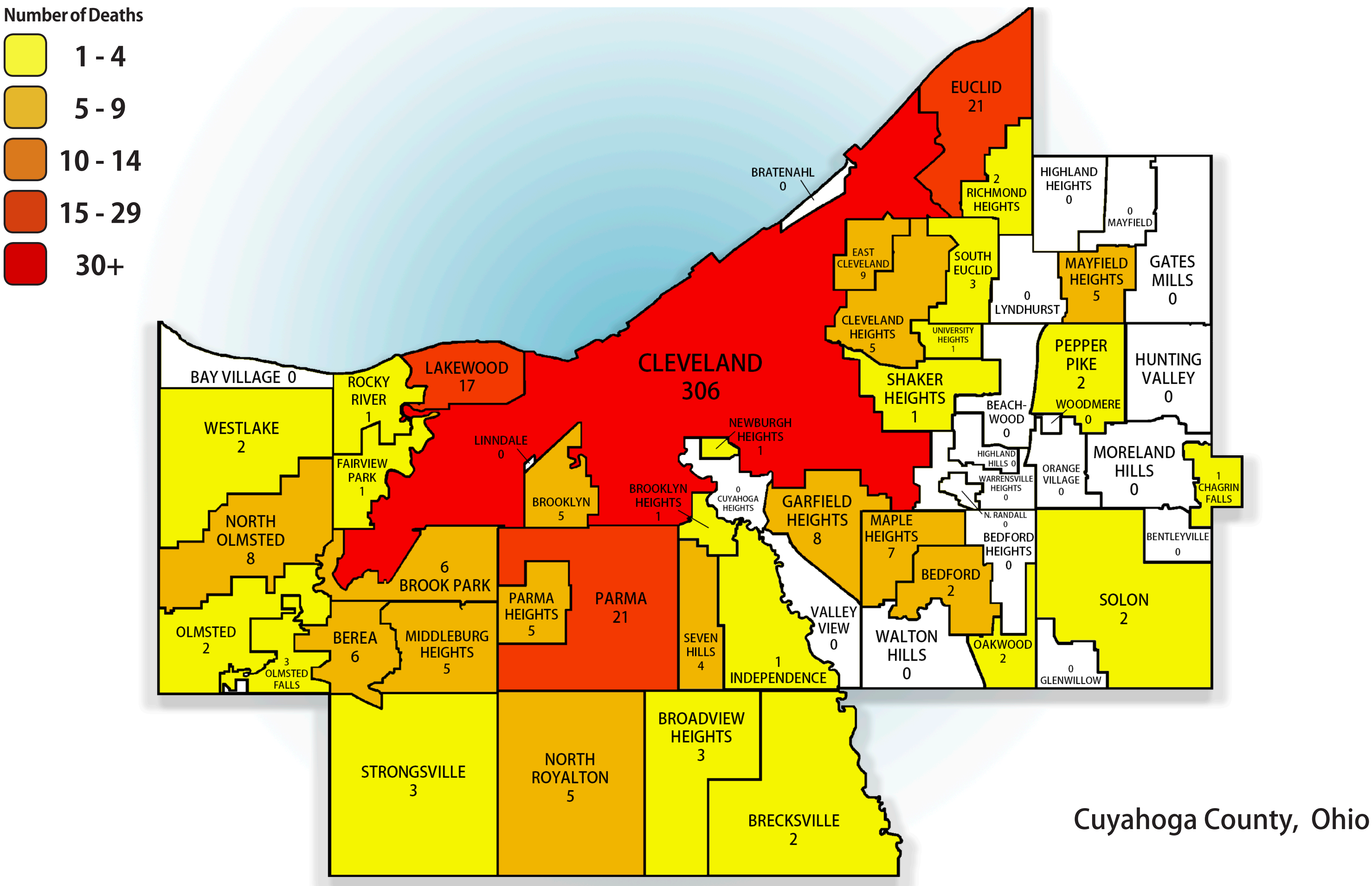
Second, fentanyl analogs, which made up a quarter of 2016 fentanyl related deaths, now make up 60% of fentanyl related deaths. Spikes of summer drug mortality were driven mainly by high circulation levels of carfentanil, the deadliest of the opioid family and fentanyl analogs, with cases increasing from 54 to 191 in 2017. Other emerging analogues also increased in detection, doubling from 2016.

Warnings to state and federal officials, by this office, stated that sustained levels of carfentanil, in the same distribution pattern as we saw with fentanyl in 2014 and 2015, were evident and that a carfentanil explosion like the fentanyl spike of 2016, would result in mortality that approached or even exceeded 1,000. Again, thankfully, that scenario did not sustain itself for the entirety of the remainder of the year. What we did see was a slowing of both carfentanil deaths and an overall slowing of the mortality rate but mortality rates still at unacceptably high levels.

Project DAWN and its expansion into many first responder agencies around the county led to 897 documented overdose reversals in 2017 and nearly 2,000 since program inception in May 2013. Other strategies continue to be implemented from the 2013 Community Wide Plan adopted at the November 2013 Summit such as drug drop off box installments at local police departments and community forums.

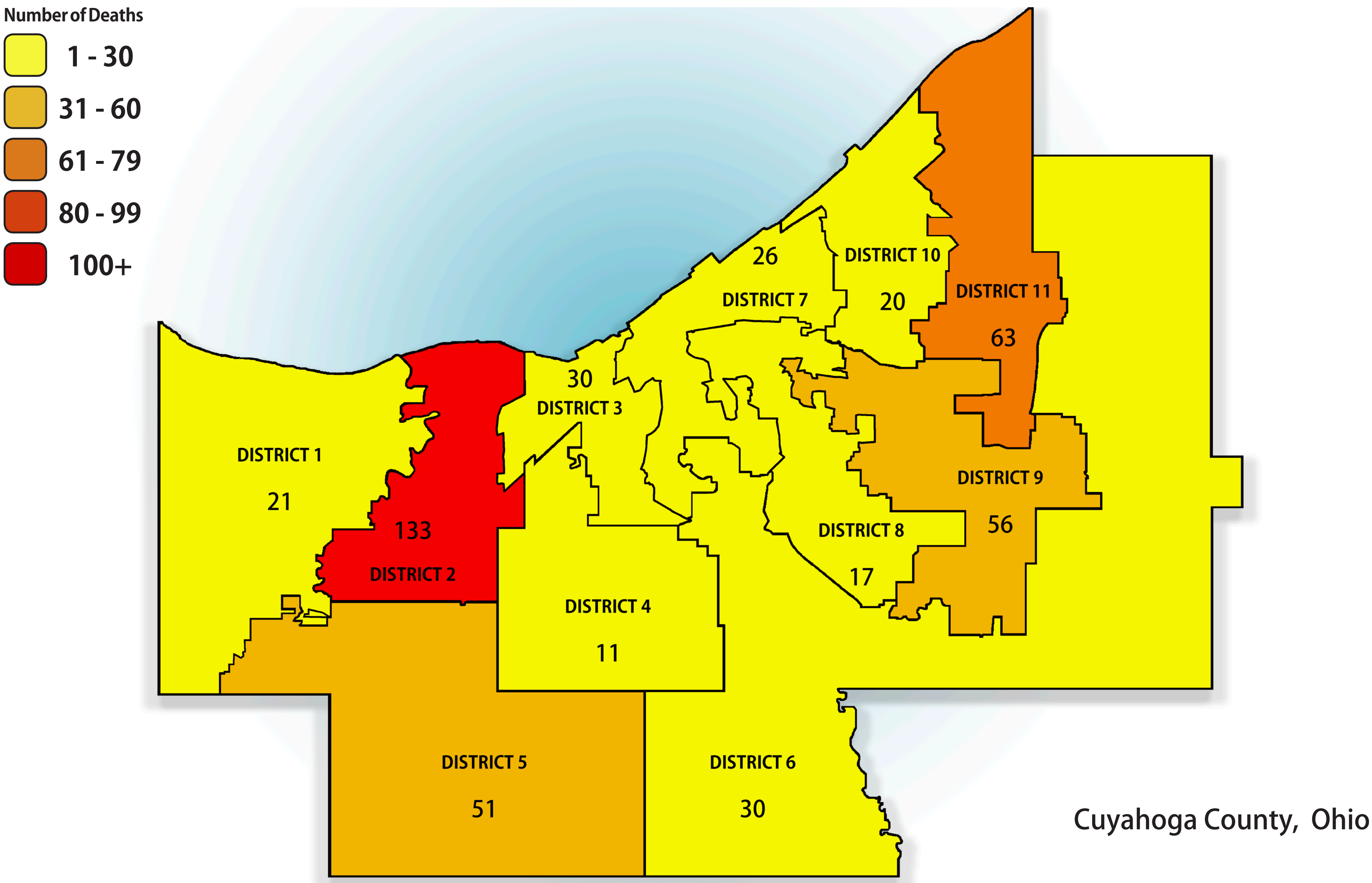
Despite these efforts, the community was overrun in illicit fentanyl, even as non-fentanyl related heroin deaths fell dramatically. The continued focus of the crisis is still fentanyl, but widespread introduction of analogues and the reemergence of cocaine truly drove the record total number of fatalities in 2017. Plans for another Summit in 2018 are underway to address the changing nature of the crisis and update the community on the range of efforts that have taken place thus far.

2017 OPIATE DEATHS - LOCATION OF INCIDENT BY CITY*



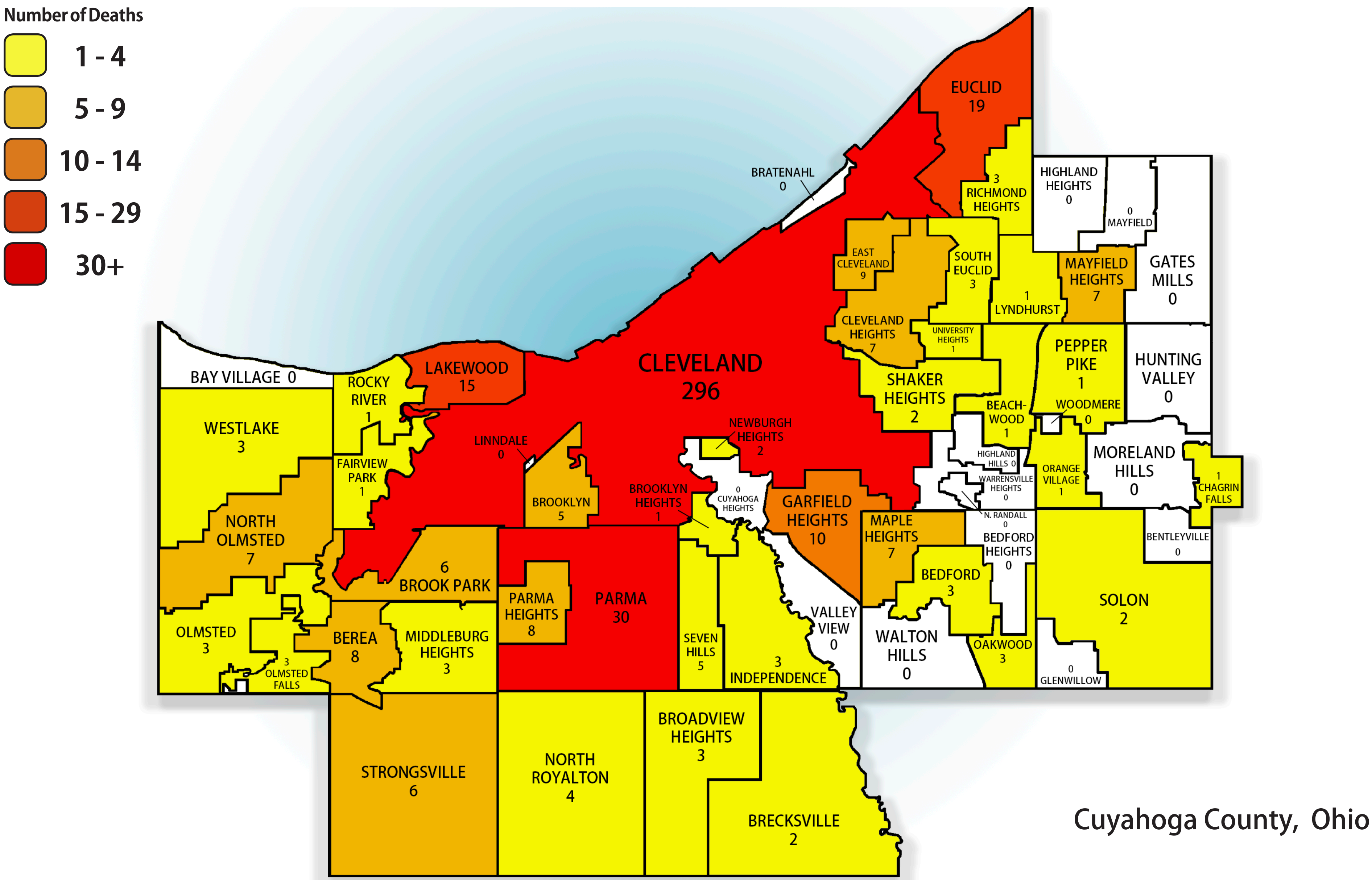
*Unknown Location = 63

2017 OPIATE DEATHS - LOCATION OF INCIDENT BY COUNCIL DISTRICT*



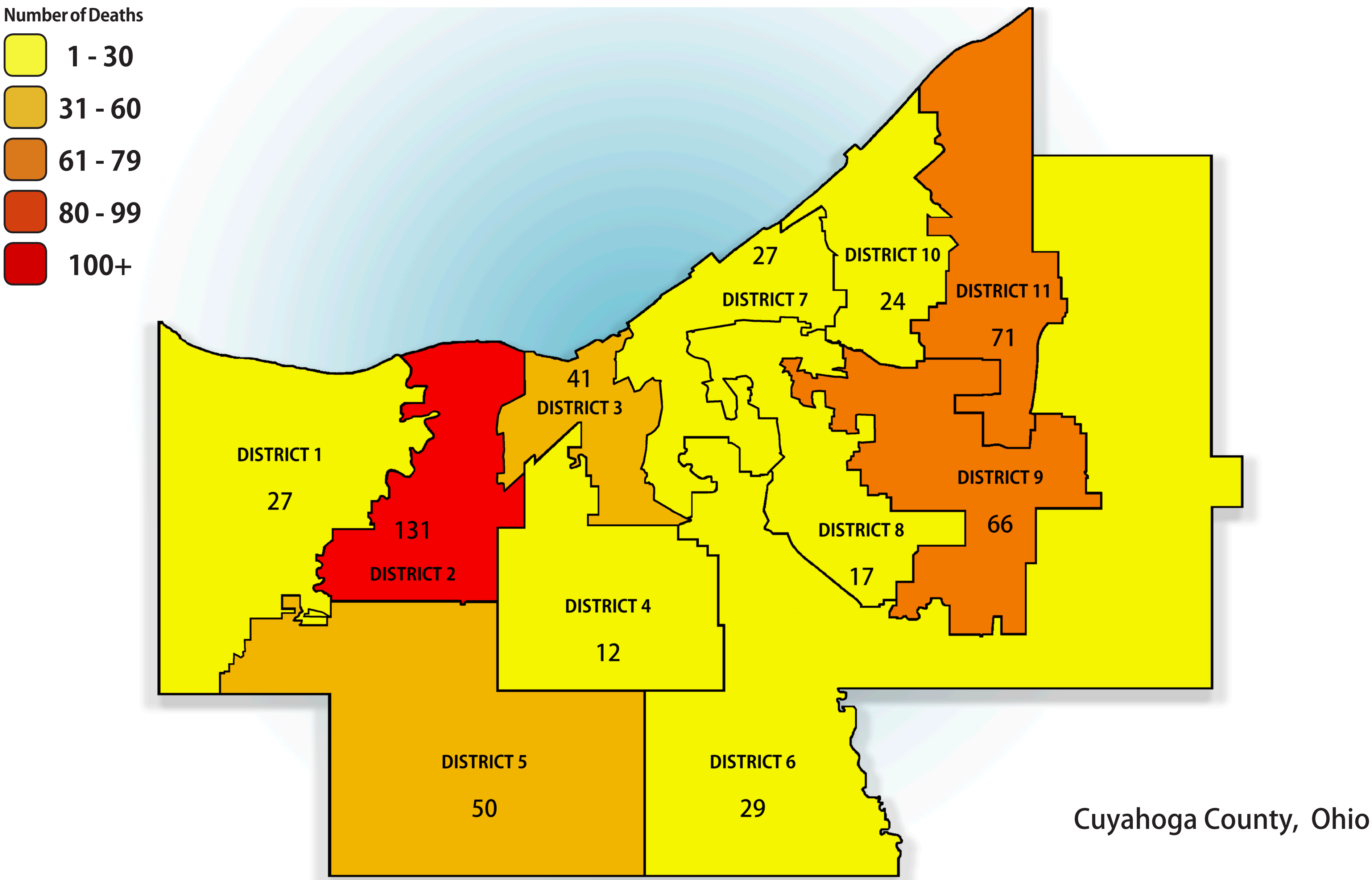
*Unknown Location = XX

2017 OPIATE DEATHS - RESIDENCE ADDRESS BY CITY

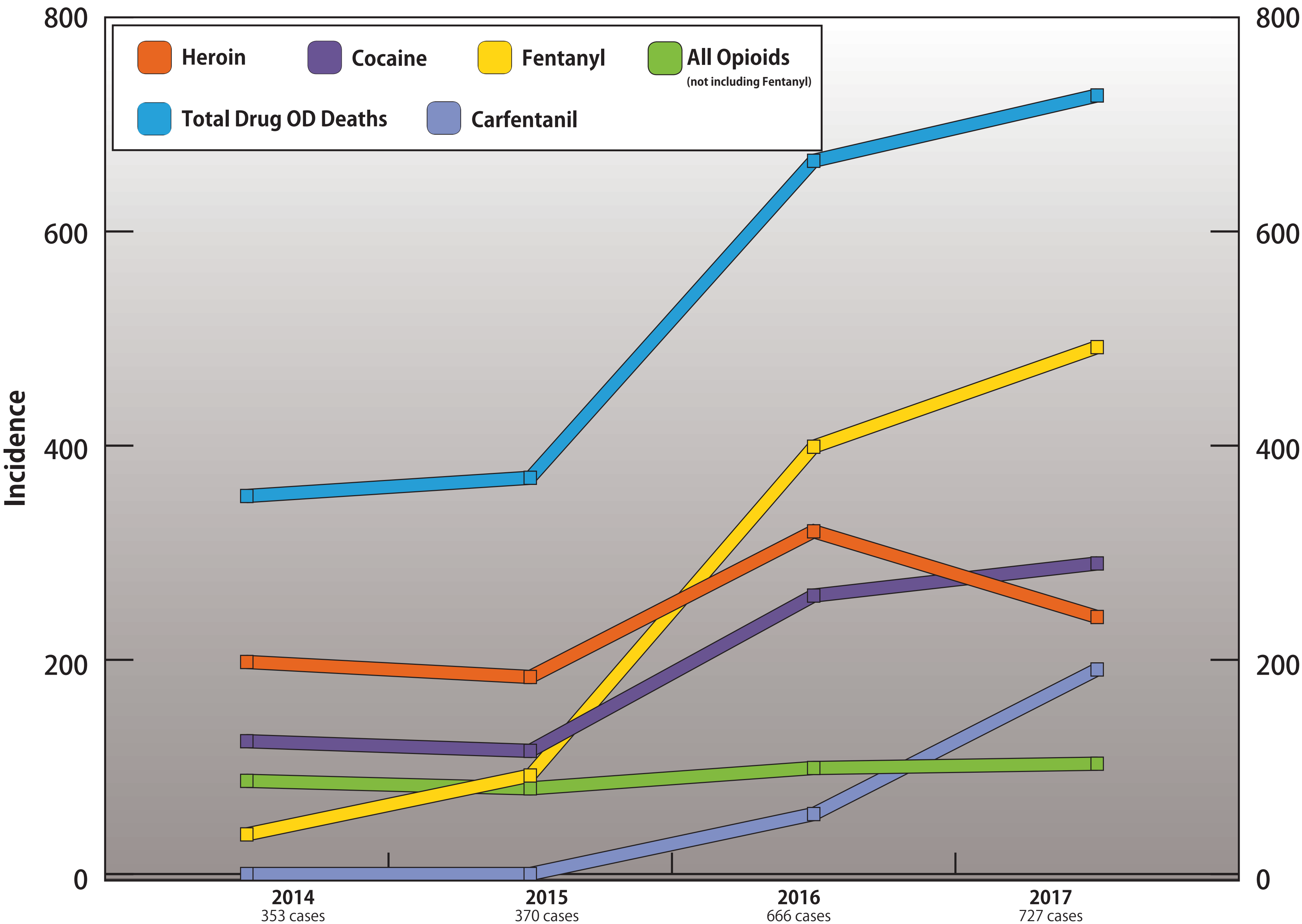


*Unknown Location = 4

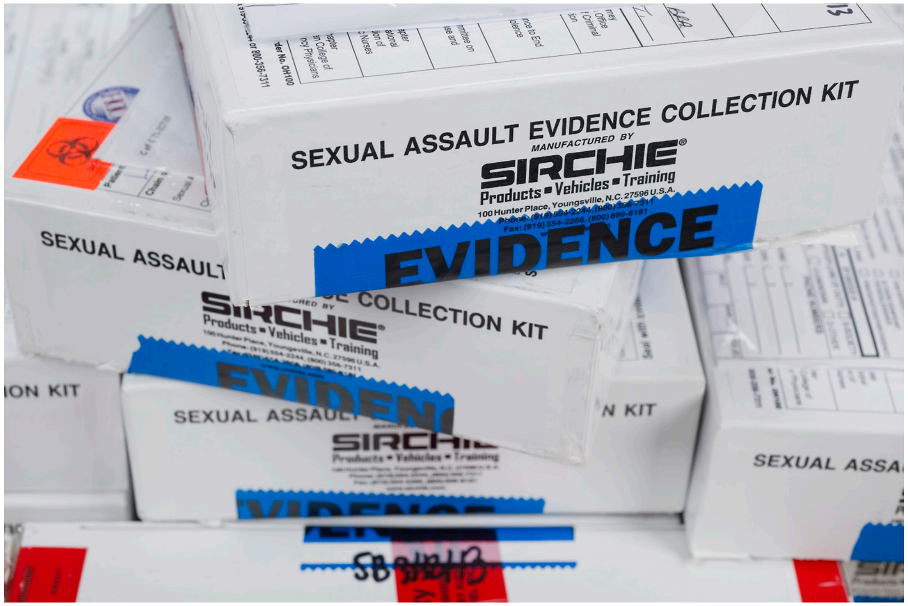
2017 OPIOID DEATHS - RESIDENCE ADDRESS BY COUNCIL DISTRICT



2014 - 2017 COMPARISON OF MOST COMMON OVERDOSE DRUGS

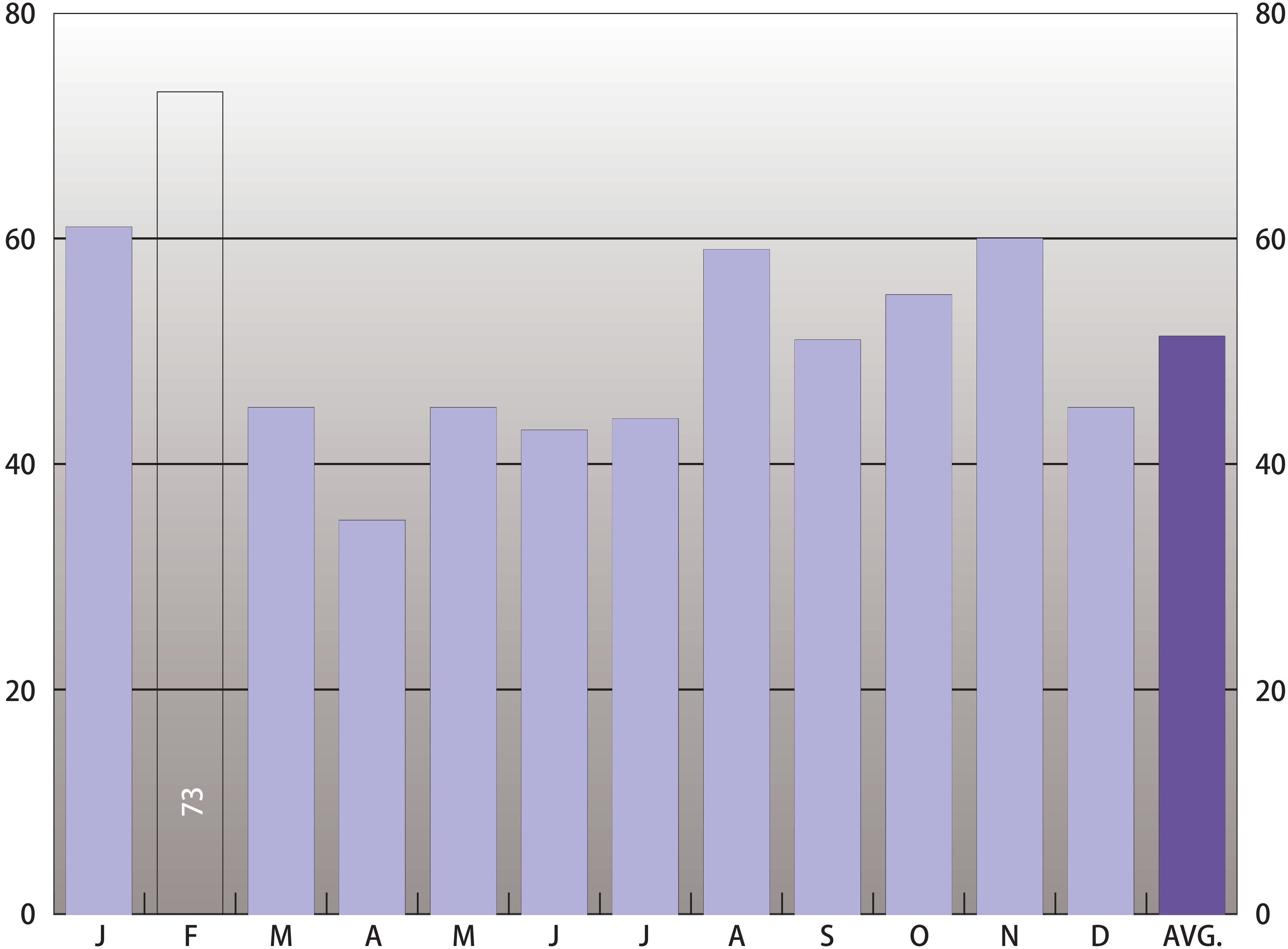


The **Cuyahoga County Sexual Assault Policy** is a broad agency response to the continuing problem of unsolved sexual assaults in Cuyahoga County. The Cuyahoga County Regional Forensic Science Laboratory of the Medical Examiner's Office performs scientific examinations in the areas of Forensic Pathology, Trace Evidence, Serology, DNA, Parentage and Identification. Such testing has resulted in the identification of suspected perpetrators of these violent crimes by analyzing evidence found at the scene or by testing sexual assault kits administered at area hospitals for DNA.



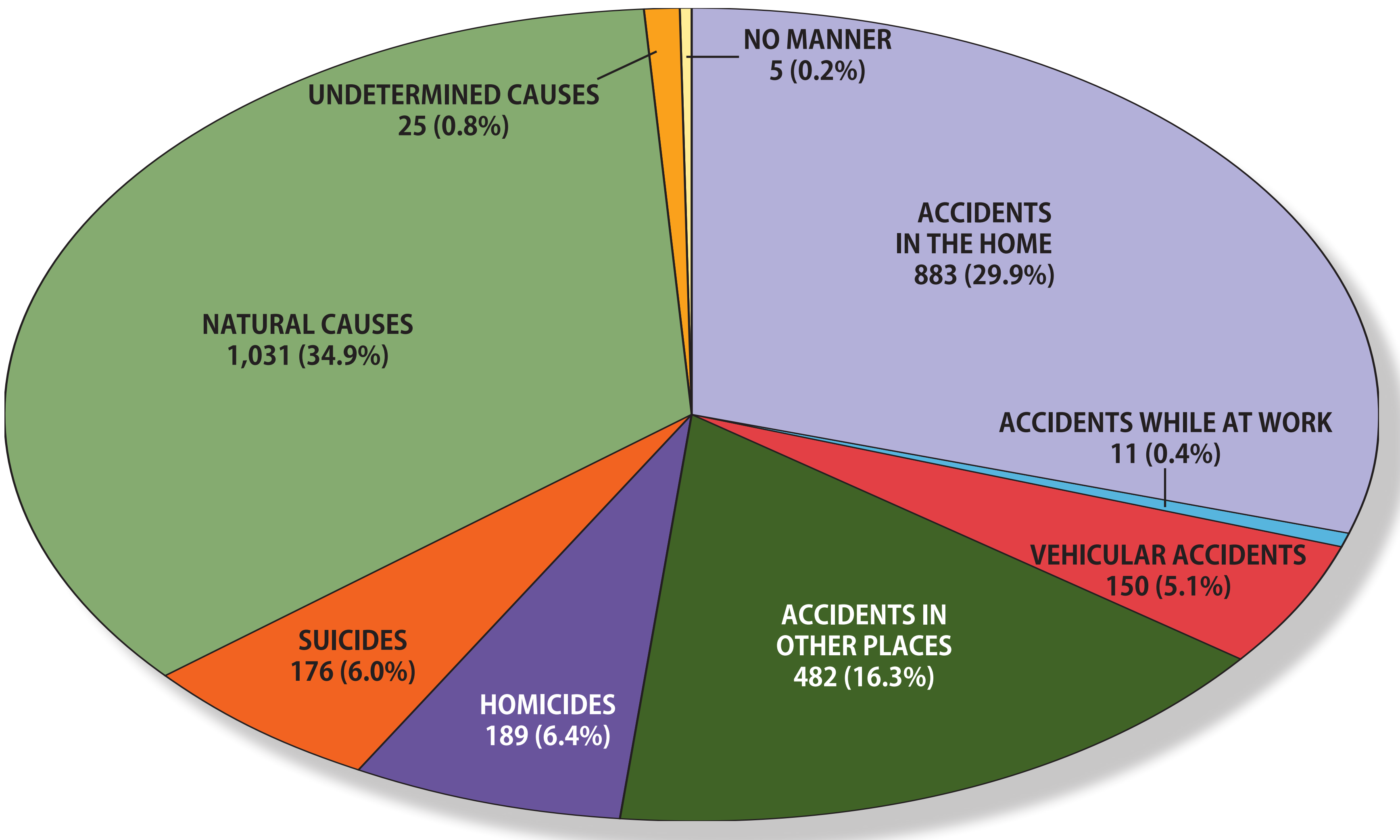
Since May 2012, nearly 2400 kits have been submitted for testing, essentially doubling the current DNA caseload of the lab. This important work continued in 2017, with overall average case completion time in 2017 of 50 days. . This testing is conducted at **NO COST** to submitting agencies or communities and has also reached its goal of completing 75% of all cases in under 30 days. This work is being done in collaboration with a variety of law enforcement agencies, the Cleveland Rape Crisis Center and the County Prosecutor's Office.

RAPE KITS RECEIVED BY MONTH FOR THE YEAR 2017

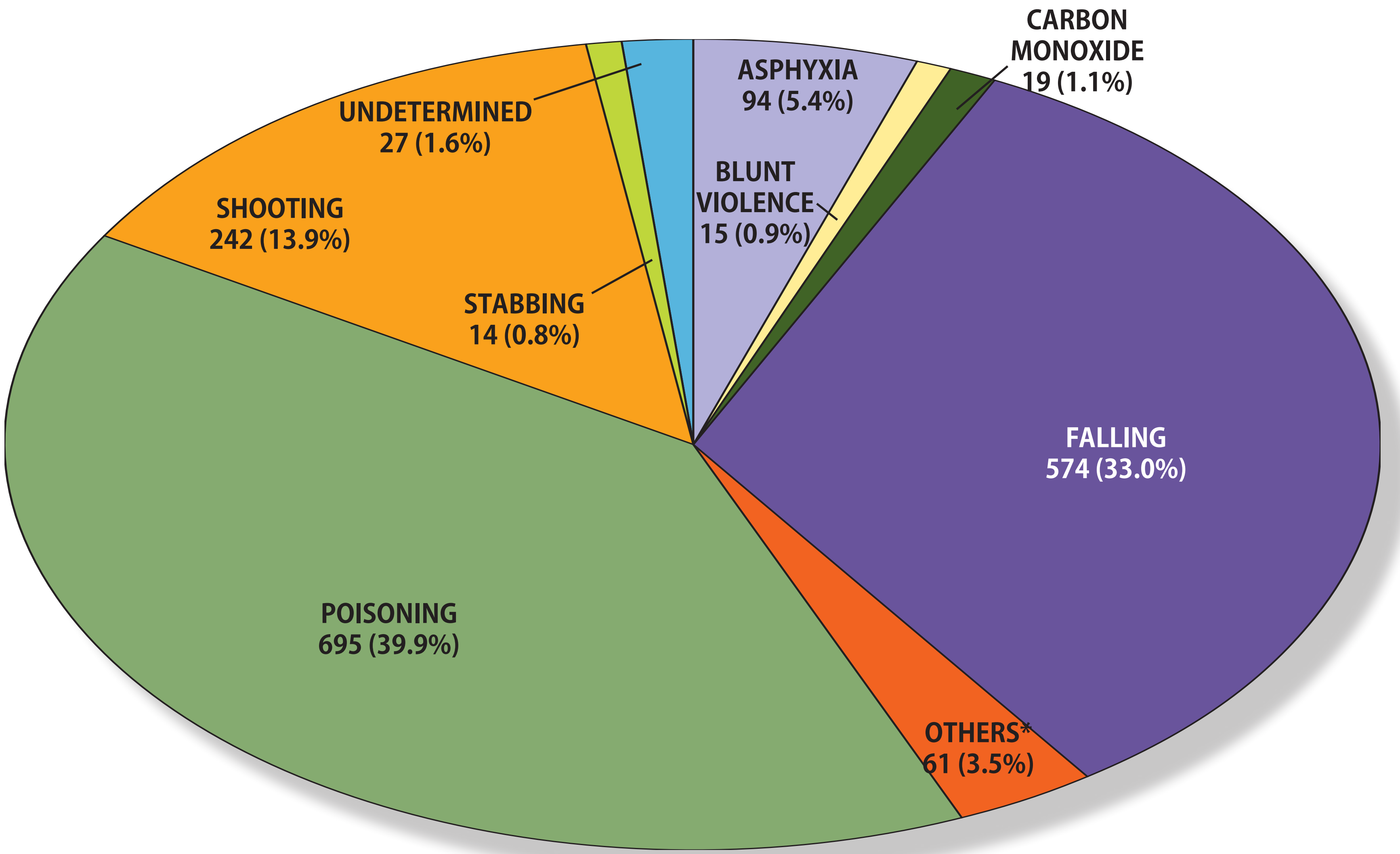


TYPES OF CASES RECEIVED AT THE CUYAHOGA COUNTY MEDICAL EXAMINER'S OFFICE

2,952 CASES (2017)



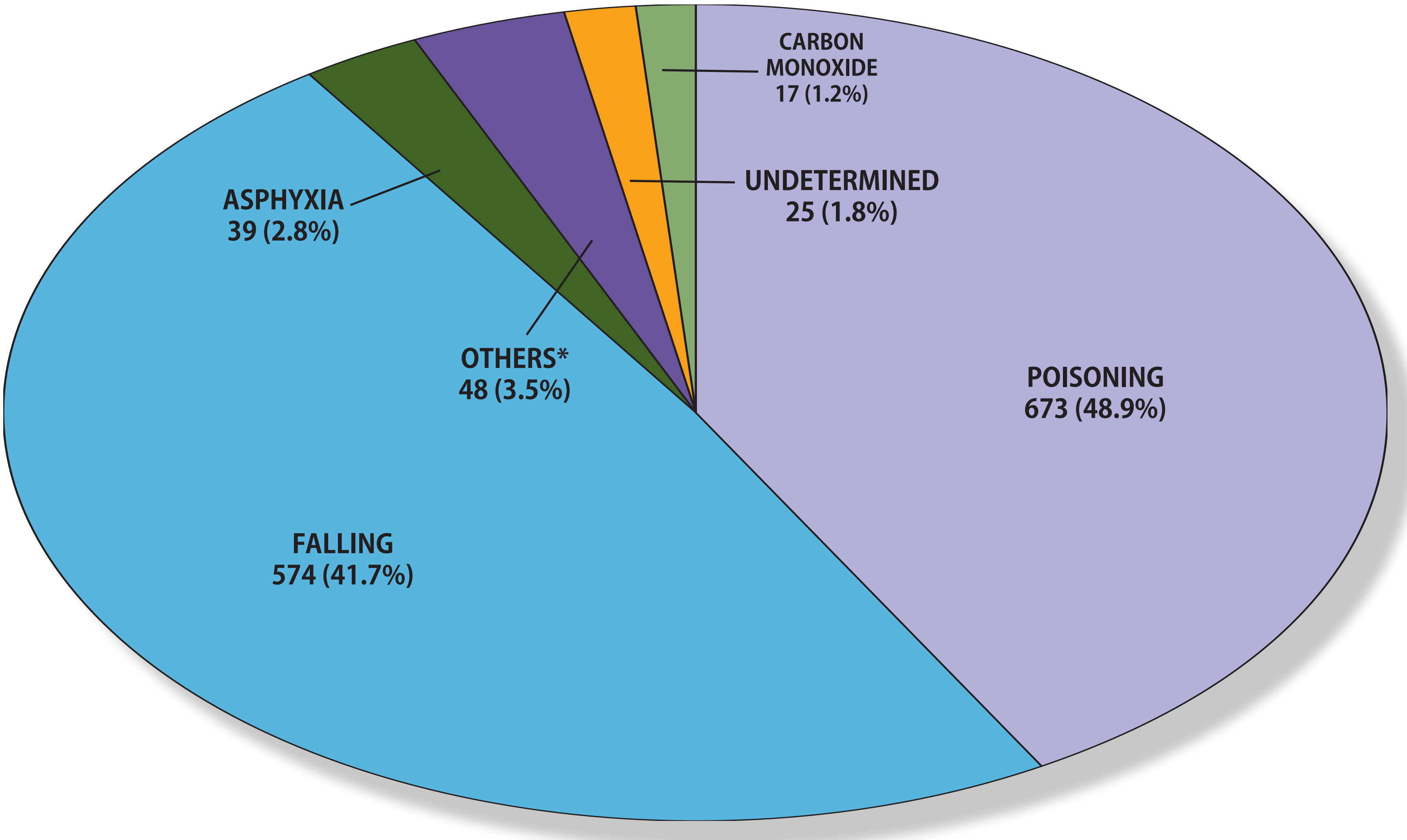
1,741** CASES (2017)



* **Others:** Airplane Accident, Burning, Electrocution, Exposure, Fire/Explosion, Jumping, Miscellaneous, Struck by Object
** **Excluding Vehicular Accidents**

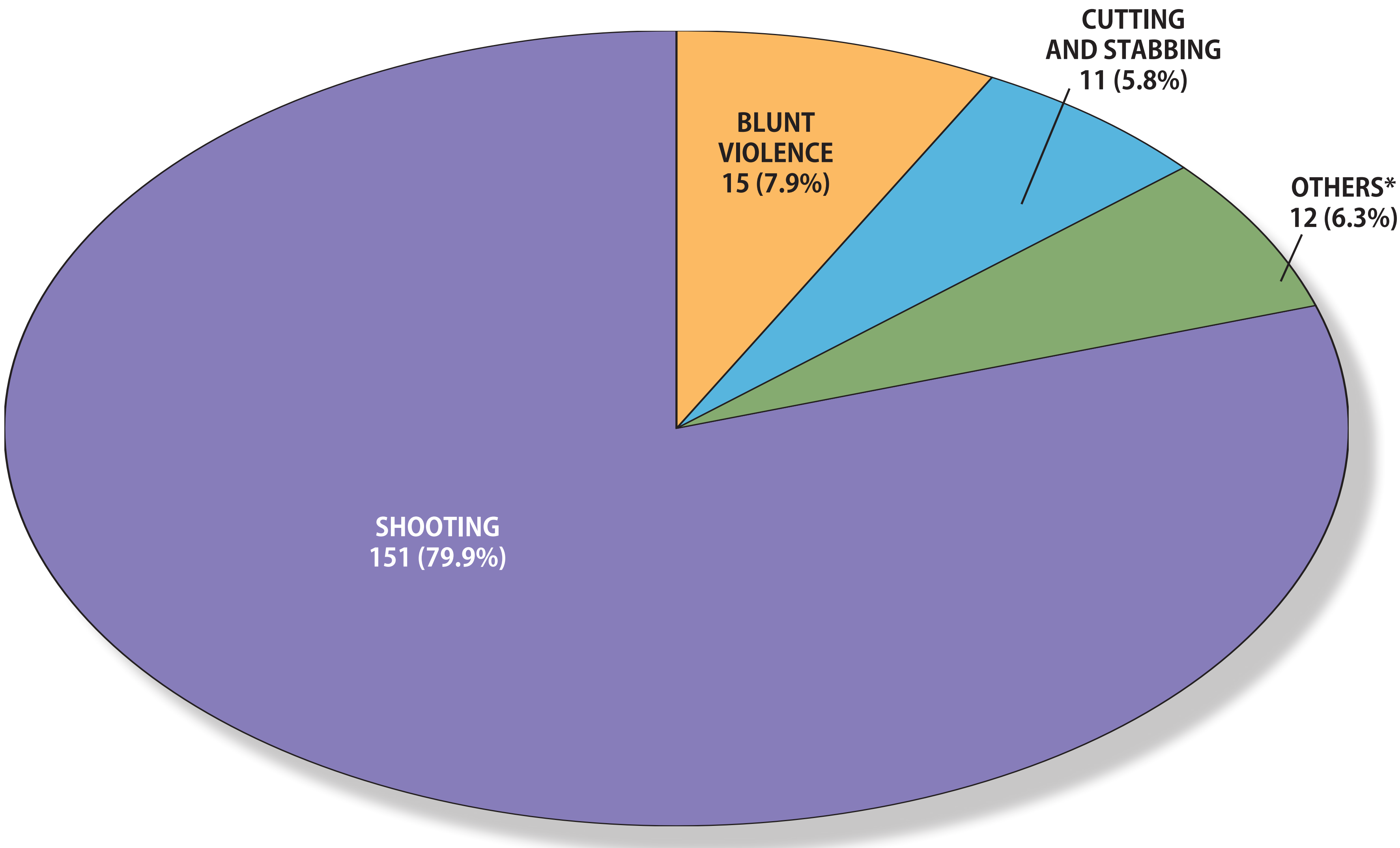
MODE OF OCCURRENCE 2017

1,376** CASES (2017)



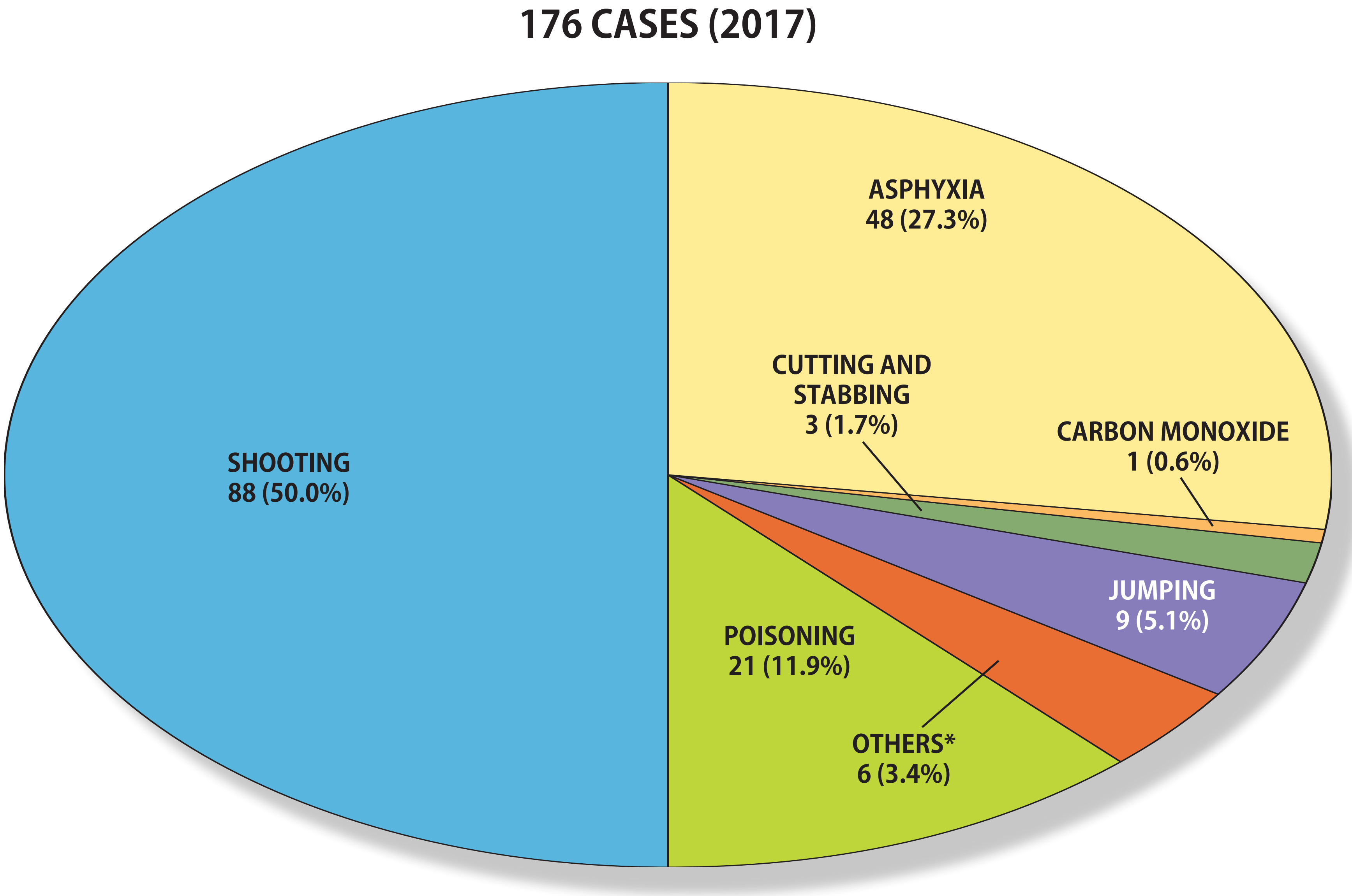
* **Others:** Airplane Accident, Burning, Electrocution, Exposure, Fire/Explosion, Jumping, Miscellaneous, Struck by Object
** **Excluding Vehicular Accidents**

189 CASES (2017)



* **Others:** Asphyxia, Burning, Carbon Monoxide, Poisoning, Miscellaneous, Strangulation, Undetermined

MODE OF OCCURRENCE 2017



* **Other:** Burning, Miscellaneous

TYPES OF FATALITIES AND MISCELLANEOUS INFORMATION - 2016 AND 2017

	2016	2017
Accidents in the Home	885	883
Accidents While at Work	5	11
Vehicular Accidents	139	150
Accidents in Other Places	458	482
Homicides	189	189
Suicides	174	176
Total Violent Deaths	**1,850**	**1,891**
Natural Causes	1,009	1,031
Undetermined Causes	29	25
No Manner Issued	15	5
Cases Reported - Admitted	**2,903**	**2,952**
Cases Reported - Not Admitted	3,565	3,724
Autopsies (Hospitals Included)	1,491*	1,455**
Partial Autopsies	0	0
Autopsies Performed for Other Counties	317	434
Scene Investigations	1,221	1,332
Unidentified Bodies	0	1
Unclaimed Bodies	113	139
Donated Bodies	5	7
Exhumations	1	1
Bodies Transported By/By Order of	2,595	2,617
Bodies Transported to Office	3,058	3,137
Deaths in Cuyahoga County	13,973	14,240
Percentage of Deaths Admitted	20.78%	20.73%

*Includes 5 autopsies performed at hospitals
**Includes 8 autopsies performed at hospitals

Type of Fatality	Total	Gender: Male	Gender: Female	Race: White	Race: Black	Race: Asian	Race: Asian Indian	Race: Native Hawaiian or Pacific Islander	Race: Unknown	Hispanic**	Autopsied Cases*	% of Total Cases
Accidents in the Home	883	532	351	703	173	6	1	0	0	33	469	15.89%
Accidents While at Work	11	10	1	10	1	0	0	0	0	1	4	0.14%
Vehicular Accidents	150	111	39	92	57	1	0	0	0	2	77	2.61%
Accidents in Other Places	482	277	205	378	100	3	0	1	0	18	176	5.96%
Homicides	189	160	29	38	150	1	0	0	0	4	189	6.40%
Suicides	176	140	36	142	31	2	1	0	0	7	131	4.44%
Natural Causes	1031	675	356	663	359	6	0	2	1	16	383	12.97%
Undetermined Causes**	25	19	6	12	13	0	0	0	0	0	24	0.81%
No Manner Issued	5	1	4	2	3	0	0	0	0	0	2	0.07%
Total	2952	1925	1027	2040	887	19	2	3	1	81	1455	49.29%

* Includes 8 autopsies performed at hospitals.
** Ethnicity is unknown for 1 case.

TABLE C TYPES OF FATALITIES - 2016 AND 2017 INCIDENCE COMPARED

	Percentage of Total Cases Admitted	
	2016	**2017**
Accidents in the Home	30.2	29.9
Accidents While at Work	0.2	0.4
Vehicular Accidents	4.8	5.1
Accidents in Other Places	15.8	16.3
Homicides	6.5	6.4
Suicides	6.0	6.0
Total Violent Deaths	**63.7**	**64.1**
Natural Causes	34.8	34.9
Undetermined Causes	1.0	0.8
No Manner Issued	0.5	0.2

2017 TYPES OF FATALITIES - ETHANOL INCIDENCE

TABLE D

	Number of Cases	Number of Cases Tested	Percentage of Cases Tested	Number Positive of Those Tested	Percentage Positive of Those Tested
Accidents in the Home	883	516	58.44%	172	33.33%
Accidents While at Work	11	7	63.64%	1	14.29%
Vehicular Accidents	150	101	67.33%	45	44.55%
Accidents in Other Places	482	177	36.72%	68	38.42%
Homicides	189	116	61.38%	38	32.76%
Suicides	176	144	81.82%	48	33.33%
Total Violent Deaths	**1,891**	**1,061**	**56.11%**	**372**	**35.06%**
Natural Causes	1,031	484	46.94%	126	26.03%
Undetermined Causes	25	22	88.00%	5	22.73%
No Manner Issued	5	1	20.00%	1	100.00%
Total Cases	**2952**	**1568**	**53.12%**	**504**	**32.14%**

2017 VEHICULAR FATALITIES/DAILY ETHANOL INCIDENCE

	Driver (1)		Motorcyclist (2)		Passenger (3)		Pedestrian (4)		Total	
	Number of Cases		Number of Cases		Number of Cases		Number of Cases		Number of Cases	
Day	**Tested**	**Positive**	**Tested**	**Positive**	**Tested**	**Positive**	**Tested**	**Positive**	**Tested**	**Positive**
Sunday	3	2	2	1	3	2	2	2	10	7
Monday	4	1	2	0	5	2	4	3	15	6
Tuesday	7	3	1	1	0	0	3	1	11	5
Wednesday	5	2	1	0	1	0	0	0	7	2
Thursday	9	2	2	0	3	0	2	1	16	3
Friday	11	6	5	2	1	0	3	3	20	11
Saturday	8	5	5	3	1	0	3	1	17	9
Total	**47**	**21**	**18**	**7**	**14**	**4**	**17**	**11**	**96**	**43**

DISTRIBUTION OF SELECTED MEDICAL EXAMINER'S CASES IN EACH MUNICIPALITY*

TABLE F

	Inside Cases		Natural Causes		Accidents		Vehicular		Homicides		Suicides		Undetermined Causes		No Manner	
Cities	# of Cases	% of Cases	# of Cases	% of Cases	# of Cases	% of Cases	# of Cases	% of Cases	# of Cases	% of Cases	# of Cases	% of Cases	# of Cases	% of Cases	# of Cases	% of Cases
Cleveland	1607	54.44%	478	16.19%	770	26.08%	115	3.90%	153	5.18%	71	2.41%	15	0.51%	5	0.17%
Bay Village	12	0.41%	3	0.10%	6	0.20%	0	0.00%	0	0.00%	3	0.10%	0	0.00%	0	0.00%
Beachwood	52	1.76%	19	0.64%	26	0.88%	3	0.10%	1	0.03%	1	0.03%	2	0.07%	0	0.00%
Bedford	31	1.05%	13	0.44%	13	0.44%	0	0.00%	0	0.00%	4	0.14%	1	0.03%	0	0.00%
Bedford Heights	15	0.51%	11	0.37%	3	0.10%	0	0.00%	0	0.00%	1	0.03%	0	0.00%	0	0.00%
Berea	17	0.58%	5	0.17%	6	0.20%	1	0.03%	0	0.00%	5	0.17%	0	0.00%	0	0.00%
Brecksville	20	0.68%	8	0.27%	9	0.30%	1	0.03%	0	0.00%	2	0.07%	0	0.00%	0	0.00%
Broadview Heights	19	0.64%	8	0.27%	7	0.24%	0	0.00%	0	0.00%	4	0.14%	0	0.00%	0	0.00%
Brooklyn	12	0.41%	7	0.24%	3	0.10%	1	0.03%	1	0.03%	0	0.00%	0	0.00%	0	0.00%
Brook Park	25	0.85%	11	0.37%	11	0.37%	0	0.00%	0	0.00%	3	0.10%	0	0.00%	0	0.00%
Cleveland Heights	32	1.08%	20	0.68%	8	0.27%	1	0.03%	0	0.00%	3	0.10%	0	0.00%	0	0.00%
East Cleveland	33	1.12%	17	0.58%	12	0.41%	0	0.00%	4	0.14%	0	0.00%	0	0.00%	0	0.00%
Euclid	114	3.86%	66	2.24%	34	1.15%	3	0.10%	5	0.17%	6	0.20%	0	0.00%	0	0.00%
Fairview Park	17	0.58%	7	0.24%	3	0.10%	0	0.00%	2	0.07%	5	0.17%	0	0.00%	0	0.00%
Garfield Heights	64	2.17%	19	0.64%	35	1.19%	2	0.07%	4	0.14%	3	0.10%	1	0.03%	0	0.00%
Highland Heights	6	0.20%	4	0.14%	2	0.07%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Independence	6	0.20%	2	0.07%	2	0.07%	0	0.00%	0	0.00%	1	0.03%	1	0.03%	0	0.00%
Lakewood	62	2.10%	28	0.95%	26	0.88%	0	0.00%	2	0.07%	6	0.20%	0	0.00%	0	0.00%
Lyndhurst	3	0.10%	2	0.07%	1	0.03%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Maple Heights	17	0.58%	10	0.34%	3	0.10%	1	0.03%	1	0.03%	2	0.07%	0	0.00%	0	0.00%
Mayfield Heights	89	3.01%	29	0.98%	49	1.66%	3	0.10%	5	0.17%	3	0.10%	0	0.00%	0	0.00%
Middleburg Heights	76	2.57%	26	0.88%	39	1.32%	0	0.00%	4	0.14%	6	0.20%	1	0.03%	0	0.00%
North Olmsted	28	0.95%	12	0.41%	14	0.47%	0	0.00%	0	0.00%	2	0.07%	0	0.00%	0	0.00%
North Royalton	19	0.64%	8	0.27%	4	0.14%	1	0.03%	3	0.10%	3	0.10%	0	0.00%	0	0.00%
Olmsted Falls	8	0.27%	2	0.07%	5	0.17%	0	0.00%	0	0.00%	1	0.03%	0	0.00%	0	0.00%
Parma	168	5.69%	65	2.20%	86	2.91%	3	0.10%	0	0.00%	14	0.47%	0	0.00%	0	0.00%
Parma Heights	23	0.78%	10	0.34%	6	0.20%	1	0.03%	2	0.07%	4	0.14%	0	0.00%	0	0.00%
Pepper Pike	6	0.20%	1	0.03%	5	0.17%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Richmond Heights	22	0.75%	6	0.20%	15	0.51%	0	0.00%	0	0.00%	0	0.00%	1	0.03%	0	0.00%

TABLE F DISTRIBUTION OF SELECTED MEDICAL EXAMINER'S CASES IN EACH MUNICIPALITY*

	Inside Cases		Natural Causes		Accidents		Vehicular		Homicides		Suicides		Undetermined Causes		No Manner	
Cities	# of Cases	% of Cases	# of Cases	% of Cases	# of Cases	% of Cases	# of Cases	% of Cases	# of Cases	% of Cases	# of Cases	% of Cases	# of Cases	% of Cases	# of Cases	% of Cases
Rocky River	15	0.51%	7	0.24%	5	0.17%	1	0.03%	0	0.00%	2	0.07%	0	0.00%	0	0.00%
Seven Hills	12	0.41%	7	0.24%	4	0.14%	0	0.00%	0	0.00%	1	0.03%	0	0.00%	0	0.00%
Shaker Heights	14	0.47%	9	0.30%	2	0.07%	0	0.00%	1	0.03%	1	0.03%	1	0.03%	0	0.00%
Solon	14	0.47%	6	0.20%	4	0.14%	1	0.03%	0	0.00%	1	0.03%	2	0.07%	0	0.00%
South Euclid	14	0.47%	9	0.30%	4	0.14%	0	0.00%	0	0.00%	1	0.03%	0	0.00%	0	0.00%
Strongsville	56	1.90%	20	0.68%	34	1.15%	2	0.07%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
University Heights	6	0.20%	4	0.14%	1	0.03%	0	0.00%	0	0.00%	1	0.03%	0	0.00%	0	0.00%
Warrensville Heights	43	1.46%	25	0.85%	11	0.37%	5	0.17%	1	0.03%	1	0.03%	0	0.00%	0	0.00%
Westlake	131	4.44%	28	0.95%	96	3.25%	4	0.14%	0	0.00%	3	0.10%	0	0.00%	0	0.00%
VILLAGES Bentleyville	2	0.07%	2	0.07%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Bratenahl	1	0.03%	0	0.00%	1	0.03%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Brooklyn Heights	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Cuyahoga Heights	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Gates Mills	2	0.07%	0	0.00%	1	0.03%	1	0.03%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Glenwillow	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Highland Hills	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Hunting Valley	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Linndale	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Mayfield Village	5	0.17%	3	0.10%	1	0.03%	0	0.00%	0	0.00%	1	0.03%	0	0.00%	0	0.00%
Moreland Hills	1	0.03%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	0.03%	0	0.00%	0	0.00%
Newburgh Heights	1	0.03%	0	0.00%	1	0.03%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
North Randall	2	0.07%	1	0.03%	0	0.00%	0	0.00%	0	0.00%	1	0.03%	0	0.00%	0	0.00%
Oakwood Village	5	0.17%	2	0.07%	1	0.03%	0	0.00%	0	0.00%	2	0.07%	0	0.00%	0	0.00%
Orange Village	2	0.07%	1	0.03%	0	0.00%	0	0.00%	0	0.00%	1	0.03%	0	0.00%	0	0.00%
Valley View	2	0.07%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	2	0.07%	0	0.00%	0	0.00%
Walton Hills	2	0.07%	1	0.03%	0	0.00%	0	0.00%	0	0.00%	1	0.03%	0	0.00%	0	0.00%
Woodmere	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
TOWNSHIPS Chagrin Falls	6	0.20%	1	0.03%	3	0.10%	0	0.00%	0	0.00%	2	0.07%	0	0.00%	0	0.00%
Olmsted Township	12	0.41%	8	0.27%	3	0.10%	0	0.00%	0	0.00%	1	0.03%	0	0.00%	0	0.00%

*Summary by place of death.

County Population 1940: 1,217,250					
Year	Deaths in County	Total Deaths Reported to Medical Examiner's Office	Percent of Deaths in County	Cases Admitted to Medical Examiner's Office	Percenct of Deaths in County
1940	11,193	N.A.	-	1,184	10.6%
1941	12,582	N.A.	-	1,392	11.1%
1942	12,868	N.A.	-	1,385	10.8%
1943	13,931	2,739	19.7%	1,434	10.3%
1944	13,234	2,544	19.2%	1,420	10.7%
1945	13,104	2,624	20.0%	1,478	11.3%
1946	13,049	2,890	22.1%	1,588	12.2%
1947	13,946	3,120	22.4%	1,904	13.7%
1948	13,695	3,203	23.4%	1,924	14.0%
1949	13,837	3,849	27.8%	2,012	14.5%

County Population 1950: 1,389,532					
Year	Deaths in County	Total Deaths Reported to Medical Examiner's Office	Percent of Deaths in County	Cases Admitted to Medical Examiner's Office	Percenct of Deaths in County
1950	13,765	3,431	24.9%	2,218	16.1%
1951	14,156	3,496	24.7%	2,213	15.6%
1952	14,727	3,477	23.6%	2,183	14.8%
1953	14,896	3,646	24.5%	2,392	16.1%
1954	14,607	3,851	26.4%	2,767	18.9%
1955	14,751	4,085	27.7%	2,945	19.9%
1956	15,389	4,651	30.2%	3,259	21.2%
1957	16,063	4,634	28.8%	3,274	20.4%
1958	15,919	4,963	31.2%	3,602	22.6%
1959	16,088	4,328	26.9%	3,626	22.5%

County Population 1960: 1,647,895					
Year	Deaths in County	Total Deaths Reported to Medical Examiner's Office	Percent of Deaths in County	Cases Admitted to Medical Examiner's Office	Percenct of Deaths in County
1960	16,425	5,159	31.4%	3,513	21.4%
1961	16,144	5,019	31.1%	3,622	22.4%
1962	16,701	5,213	31.3%	3,883	23.3%
1963	17,142	5,385	31.4%	4,083	23.8%
1964	16,915	5,490	32.5%	4,037	23.9%
1965	17,062	5,227	30.6%	4,012	23.5%
1966	17,415	5,303	30.5%	4,136	23.7%
1967	17,300	5,518	31.9%	4,141	23.9%
1968	18,087	5,997	33.2%	4,455	24.6%
1969	17,287	5,415	31.3%	4,436	25.7%

TABLE G — DEATHS IN COUNTY, DEATHS REPORTED TO MEDICAL EXAMINER/CASES RECEIVED 1940 - 2017

County Population 1970: 1,721,300					
Year	Deaths in County	Total Deaths Reported to Medical Examiner's Office	Percent of Deaths in County	Cases Admitted to Medical Examiner's Office	Percenct of Deaths in County
1970	17,305	5,125	29.6%	4,314	24.9%
1971	16,834	5,183	30.8%	4,246	25.2%
1972	17,267	5,602	32.4%	4,384	25.4%
1973	17,234	4,908	28.5%	4,321	25.1%
1974	16,948	5,118	30.2%	4,228	25.0%
1975	16,013	4,795	29.9%	4,005	25.0%
1976	16,252	4,630	28.5%	4,085	25.1%
1977	16,124	4,831	29.9%	4,185	25.9%
1978	16,562	4,472	27.0%	3,669	22.2%
1979	16,359	4,847	29.6%	3,782	23.1%

County Population 1980: 1,498,400					
Year	Deaths in County	Total Deaths Reported to Medical Examiner's Office	Percent of Deaths in County	Cases Admitted to Medical Examiner's Office	Percenct of Deaths in County
1980	16,209	5,655	34.9%	3,540	21.8%
1981	15,737	4,977	31.6%	3,147	20.0%
1982	15,458	5,327	34.5%	2,840	18.4%
1983	15,554	5,278	33.9%	2,957	19.0%
1984	15,666	5,268	33.6%	2,922	18.7%
1985	15,669	5,463	34.9%	2,782	17.8%
1986	15,975	5,159	32.3%	2,707	16.9%
1987	15,502	5,341	34.5%	2,713	17.5%
1988	15,667	5,579	35.6%	2,737	17.5%
1989	15,407	5,708	37.0%	3,028	19.7%

County Population 1990: 1,412,140					
Year	Deaths in County	Total Deaths Reported to Medical Examiner's Office	Percent of Deaths in County	Cases Admitted to Medical Examiner's Office	Percenct of Deaths in County
1990	15,400	5,929	38.5%	3,079	20.0%
1991	15,245	5,977	39.2%	3,118	20.5%
1992	14,899	5,665	38.0%	2,903	19.5%
1993	15,458	5,717	36.9%	3,121	20.2%
1994	15,518	5,808	37.4%	3,008	19.4%
1995	15,738	5,878	37.3%	3,157	20.1%
1996	15,176	5,583	36.8%	2,768	18.2%
1997	15,209	5,575	36.7%	2,744	18.0%
1998	14,919	5,367	35.9%	3,096	20.8%
1999	14,992	5,508	36.7%	3,594	23.9%

County Population 2000: 1,393,978					
Year	Deaths in County	Total Deaths Reported to Medical Examiner's Office	Percent of Deaths in County	Cases Admitted to Medical Examiner's Office	Percenct of Deaths in County
2000	15,296	5,934	36.6%	3,813	24.9%
2001	15,313	5,753	37.6%	3,892	25.4%
2002	15,177	5,447	35.9%	3,671	24.2%
2003	14,671	5,209	35.5%	3,543	24.2%
2004	14,668	5,305	36.2%	3,678	25.1%
2005	14,616	5,287	36.2%	3,519	24.1%
2006	13,954	5,307	38.0%	3,564	25.5%
2007	13,756	5,296	38.5%	3,476	25.3%
2008	14,002	5,923	42.3%	3,274	23.4%
2009	14,082	5,885	41.8%	2,652	18.8%

County Population 2010: 1,280,122					
Year	Deaths in County	Total Deaths Reported to Medical Examiner's Office	Percent of Deaths in County	Cases Admitted to Medical Examiner's Office	Percenct of Deaths in County
2010	13,341	5,934	44.4%	2,451	18.3%
2011	13,795	5,927	42.9%	2,449	17.7%
2012	16,134	6,055	37.5%	2,219	13.8%
2013	16,056	6,034	37.6%	2,258	14.1%
2014	15,799	6,026	38.1%	2,251	14.2%
2015	13,611	6,126	45.0%	2,546	18.0%
2016	13,973	6,468	46.3%	2,903	20.8%
2017	14,240	6,676	46.9%	2,952	20.7%

County Population 1940: 1,217,250										
Year	Totals					Violent Deaths				
	Total Cases	Total Natural	Total Violent	% Natural	% Violent	Homicide	Suicide	Accident	Vehicular*	V.U.O.
1940	1,184	528	656	44.59	55.41	63	200	376	195	17
1941	1,392	662	730	47.56	52.44	54	167	492	249	17
1942	1,385	670	715	48.38	51.62	84	156	471	214	4
1943	1,434	802	632	55.93	44.07	66	137	422	179	7
1944	1,420	813	607	57.25	42.75	58	122	405	177	22
1945	1,478	812	666	54.94	45.06	70	148	442	167	6
1946	1,588	816	772	51.39	48.61	86	151	519	213	16
1947	1,904	1,136	768	59.66	40.34	90	184	472	201	22
1948	1,924	1,188	736	61.75	38.25	97	168	449	166	22
1949	2,012	1,262	750	62.72	37.28	95	167	471	163	17

County Population 1950: 1,389,532										
Year	Totals					Violent Deaths				
	Total Cases	Total Natural	Total Violent	% Natural	% Violent	Homicide	Suicide	Accident	Vehicular*	V.U.O.
1950	2,218	1,528	690	68.89	31.11	83	142	453	159	12
1951	2,213	1,512	701	68.32	31.68	91	128	474	171	8
1952	2,183	1,421	762	65.09	34.91	106	139	507	205	10
1953	2,392	1,549	843	64.76	35.24	98	141	599	224	5
1954	2,767	1,939	828	70.08	29.92	93	165	554	177	16
1955	2,945	2,105	840	71.48	28.52	82	184	572	173	2
1956	3,259	2,269	990	69.62	30.38	128	170	686	199	6
1957	3,274	2,304	970	70.37	29.63	96	151	717	199	6
1958	3,602	2,624	978	72.85	27.15	95	161	716	174	6
1959	3,626	2,607	1,019	71.90	28.10	94	161	750	179	14

County Population 1960: 1,647,895										
Year	Totals					Violent Deaths				
	Total Cases	Total Natural	Total Violent	% Natural	% Violent	Homicide	Suicide	Accident	Vehicular*	V.U.O.
1960	3,513	2,438	1,075	69.40	30.60	102	186	768	182	19
1961	3,662	2,689	973	73.43	26.57	100	157	702	165	14
1962	3,883	2,935	948	75.59	24.41	74	180	676	142	18
1963	4,083	3,033	1,050	74.28	25.72	114	169	757	160	10
1964	4,037	2,979	1,058	73.79	26.21	137	192	711	169	18
1965	4,012	2,889	1,123	72.01	27.99	129	198	785	228	11
1966	4,136	2,953	1,183	71.40	28.60	166	197	805	236	15
1967	4,141	2,900	1,241	70.03	29.97	185	189	847	242	20
1968	4,455	3,109	1,346	69.79	30.21	210	214	887	264	35
1969	4,436	2,968	1,468	66.91	33.09	317	188	931	313	32

County Population 1970: 1,721,300										
Year	Totals					Violent Deaths				
	Total Cases	Total Natural	Total Violent	% Natural	% Violent	Homicide	Suicide	Accident	Vehicular*	V.U.O.
1970	4,314	2,871	1,443	66.55	33.45	310	223	888	274	22
1971	4,246	2,825	1,421	66.53	33.47	324	202	869	229	26
1972	4,384	2,909	1,475	66.35	33.65	363	218	873	270	21
1973	4,321	2,780	1,541	64.34	35.66	327	259	930	253	25
1974	4,228	2,748	1,480	65.00	35.00	362	233	856	211	29
1975	4,005	2,583	1,422	64.49	35.51	351	218	834	214	19
1976	4,085	2,732	1,353	66.88	33.12	305	248	771	243	29
1977	4,185	2,826	1,359	67.53	32.47	300	251	785	229	23
1978	3,669	2,439	1,230	66.48	33.52	268	222	727	220	13
1979	3,782	2,371	1,411	62.69	37.31	325	276	791	261	19

County Population 1980: 1,498,400										
Year	Totals					Violent Deaths				
	Total Cases	Total Natural	Total Violent	% Natural	% Violent	Homicide	Suicide	Accident	Vehicular*	V.U.O.
1980	3,504	2,258	1,282	63.79	36.21	314	237	713	227	18
1981	3,147	1,930	1,217	61.33	38.67	269	238	694	223	16
1982	2,840	1,750	1,090	61.62	38.38	251	228	599	179	12
1983	2,957	1,883	1,074	63.68	36.32	196	191	673	212	14
1984	2,922	1,829	1,093	62.59	37.41	202	208	667	217	16
1985	2,782	1,748	1,034	62.83	37.14	188	220	608	201	18
1986	2,707	1,697	1,010	62.69	37.31	169	183	629	186	29
1987	2,713	1,679	1,034	61.89	38.11	183	187	643	181	21
1988	2,737	1,705	1,032	62.29	37.71	189	153	682	177	8
1989	3,028	1,824	1,204	60.24	39.76	188	183	820	176	13

County Population 1990: 1,412,140										
Year	Totals					Violent Deaths				
	Total Cases	Total Natural	Total Violent	% Natural	% Violent	Homicide	Suicide	Accident	Vehicular*	V.U.O.
1990	3,079	1,801	1,278	58.49	41.51	221	164	877	203	16
1991	3,118	1,833	1,285	58.79	41.21	236	184	845	182	20
1992	2,903	1,675	1,228	57.70	42.30	221	181	814	149	12
1993	3,121	1,729	1,363	56.33	43.67	218	183	949	143	13
1994	3,008	1,770	1,238	58.84	41.16	179	166	875	134	18
1995	3,157	1,751	1,406	55.46	44.54	166	195	1023	160	22
1996	2,768	1,562	1,206	56.43	43.57	144	151	890	152	21
1997	2,744	1,476	1,268	53.79	46.21	120	148	963	171	37
1998	3,096	1,861	1,235	60.11	39.89	123	148	942	154	22
1999	3,594	2,323	1,271	64.64	35.36	106	147	1005	151	13

County Population 2000: 1,393,978										
Year	Totals					Violent Deaths				
	Total Cases	Total Natural	Total Violent	% Natural	% Violent	Homicide	Suicide	Accident	Vehicular*	V.U.O.
2000	3,813	2,479	1,334	65.01	34.99	100	147	1,078	157	9
2001	3,892	2,469	1,423	63.44	35.56	110	179	1,115	127	19
2002	3,671	2,452	1,219	66.79	33.21	117	167	919	130	16
2003	3,543	2,263	1,253	63.87	35.37	113	133	885	107	15
2004	3,678	2,348	1,304	63.84	35.45	108	162	1,014	134	20
2005	3,519	2,145	1,344	60.95	38.19	147	168	1,005	112	24
2006	3,564	2,134	1,404	59.88	39.39	146	142	1,101	109	15
2007	3,476	2,043	1,433	58.77	41.23	174	139	1,054	114	50
2008	3,274	1,912	1,362	58.40	41.60	124	160	1,042	143	36
2009	2,652	1,393	1,259	52.53	47.47	147	132	951	109	29

County Population 2010: 1,280,122													
Year	Totals									Violent Deaths			
	Total Cases	Total Natural	Total Violent	Total Undetermined	Total No Manner	% Natural	% Violent	% Undetermined	% No Manner	Homicide	Suicide	Accident	Vehicular
2010	2,451	1,139	1,259	53	0	46.47	51.37	2.16	0.00	98	144	1,017	128
2011	2,449	1,162	1,239	48	0	47.45	50.59	1.96	0.00	120	161	958	103
2012	2,219	1,004	1,164	47	4	45.25	52.46	2.11	0.18	143	170	851	95
2013	2,258	989	1,236	31	2	43.80	54.74	1.37	0.09	137	160	939	97
2014	2,251	981	1,224	39	7	43.58	54.38	1.73	0.31	140	151	933	82
2015	2,456	1,041	1,370	42	4	42.35	54.78	1.71	0.16	163	159	920	128
2016	2,903	1,009	1,850	29	15	34.76	63.73	1.00	0.52	189	174	1,348	139
2017	2,952	1,031	1,891	25	5	34.92	64.06	0.85	0.17	189	176	1,376	150

***Vehicular fatalities are included in Accident totals.**

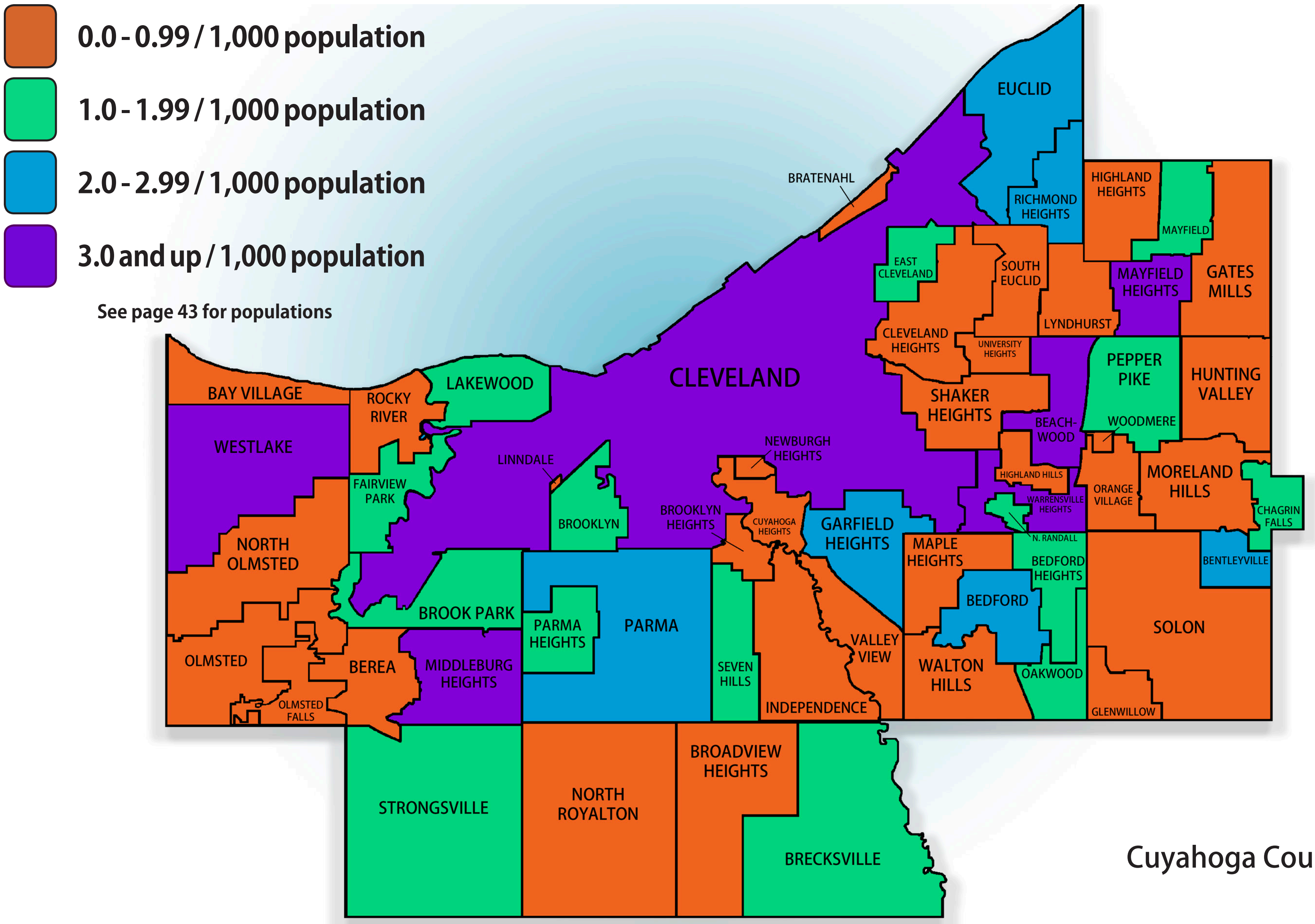
2017 MEDICAL EXAMINER'S TRAUMA CASES TRANSPORTED FROM OTHER COUNTIES

County	Gender		Manner				Location of Death		Grand Total
	M	F	Vehicular	Homicide	Suicide	Accident	Cleveland	Rest of County	
Allen	1	0	1	0	0	0	1	0	1
Ashtabula	1	1	0	2	0	0	2	0	2
Geauga	1	0	0	0	0	1	0	1	1
Huron	0	1	1	0	0	0	1	0	1
Lake	2	2	1	3	0	0	4	0	4
Lorain	7	4	1	1	2	7	5	6	11
Lucas	1	0	0	0	0	1	1	0	1
Medina	1	0	0	0	0	1	1	0	1
Portage	1	0	0	0	1	0	1	0	1
Richland	1	0	0	0	0	1	1	0	1
Stark	2	0	1	0	0	1	2	0	2
Summit	2	1	0	0	1	2	0	3	3
Trumbull	1	0	0	0	0	1	1	0	1
Total	**21**	**9**	**5**	**6**	**4**	**15**	**20**	**10**	**30**

TABLE J 2017 AUTOPSIES PERFORMED FOR OTHER COUNTIES

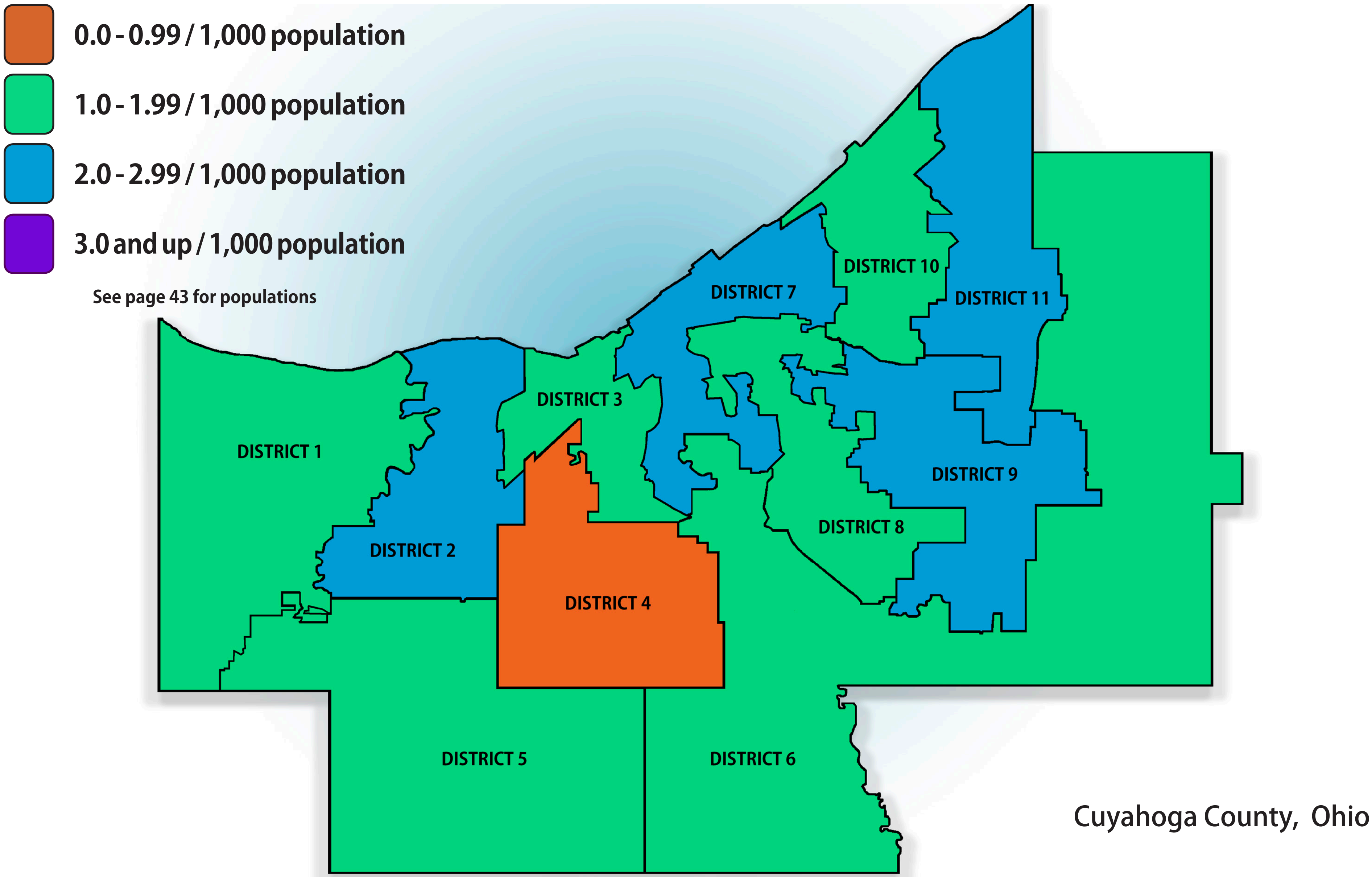
County	Male	Female	Grand Total
Ashland	11	7	18
Ashtabula	23	14	37
Columbiana	8	7	15
Erie	1	1	2
Geauga	40	26	66
Jefferson	8	4	12
Lake	54	22	76
Lorain	1	0	1
Mahoning	73	27	100
Medina	31	12	43
Portage	38	14	52
Richland	4	5	9
Trumbull	2	0	2
Warren	1	0	1
Total	**295**	**139**	**434**

2017 DISTRIBUTION OF MEDICAL EXAMINER'S CASES BY CITY PER 1,000 POPULATION



Cuyahoga County, Ohio

MAP 1B 2017 DISTRIBUTION OF MEDICAL EXAMINER'S CASES BY COUNCIL DISTRICT* PER 1,000 POPULATION



*Council district undetermined and/or not analyzed for 728 cases (i.e. decedent residence out of county, unknown residence, etc.).

POPULATION OF CUYAHOGA COUNTY BY CITIES, VILLAGES, TOWNSHIPS, AND DISTRICTS (2010 CENSUS)

Cities

Cleveland	**396,815**
Bay Village	15,651
Beachwood	11,953
Bedford	13,074
Bedford Heights	10,751
Berea	19,093
Brecksville	13,656
Broadview Heights	19,400
Brooklyn	11,169
Brook Park	19,212
Cleveland Heights	46,121
East Cleveland	17,843
Euclid	48,920
Fairview Park	16,826
Garfield Heights	28,849
Highland Heights	8,345
Independence	7,133
Lakewood	52,131
Lyndhurst	14,001
Maple Heights	23,138
Mayfield Heights	19,155
Middleburg Heights	15,946
North Olmsted	32,718
North Royalton	30,444
Olmsted Falls	9,024
Parma	81,601
Parma Heights	20,718
Pepper Pike	5,979
Richmond Heights	10,546
Rocky River	20,213
Seven Hills	11,804
Shaker Heights	28,448
Solon	23,348
South Euclid	22,295
Strongsville	44,750
University Heights	13,539
Warrensville Heights	13,542
Westlake	32,729

Villages

Bentleyville	864
Bratenahl	1,197
Brooklyn Heights	1,543
Cuyahoga Heights	638
Gates Mills	2,270
Glenwillow	923
Highland Hills	1,130
Hunting Valley	589
Linndale	179
Mayfield	3,460
Moreland Hills	3,320
Newburgh Heights	2,167
North Randall	1,027
Oakwood	3,667
Orange	3,323
Valley View	2,034
Walton Hills	2,281
Woodmere	884

Townships

Chagrin Falls*	4,233
Olmsted	13,513

Council Districts**

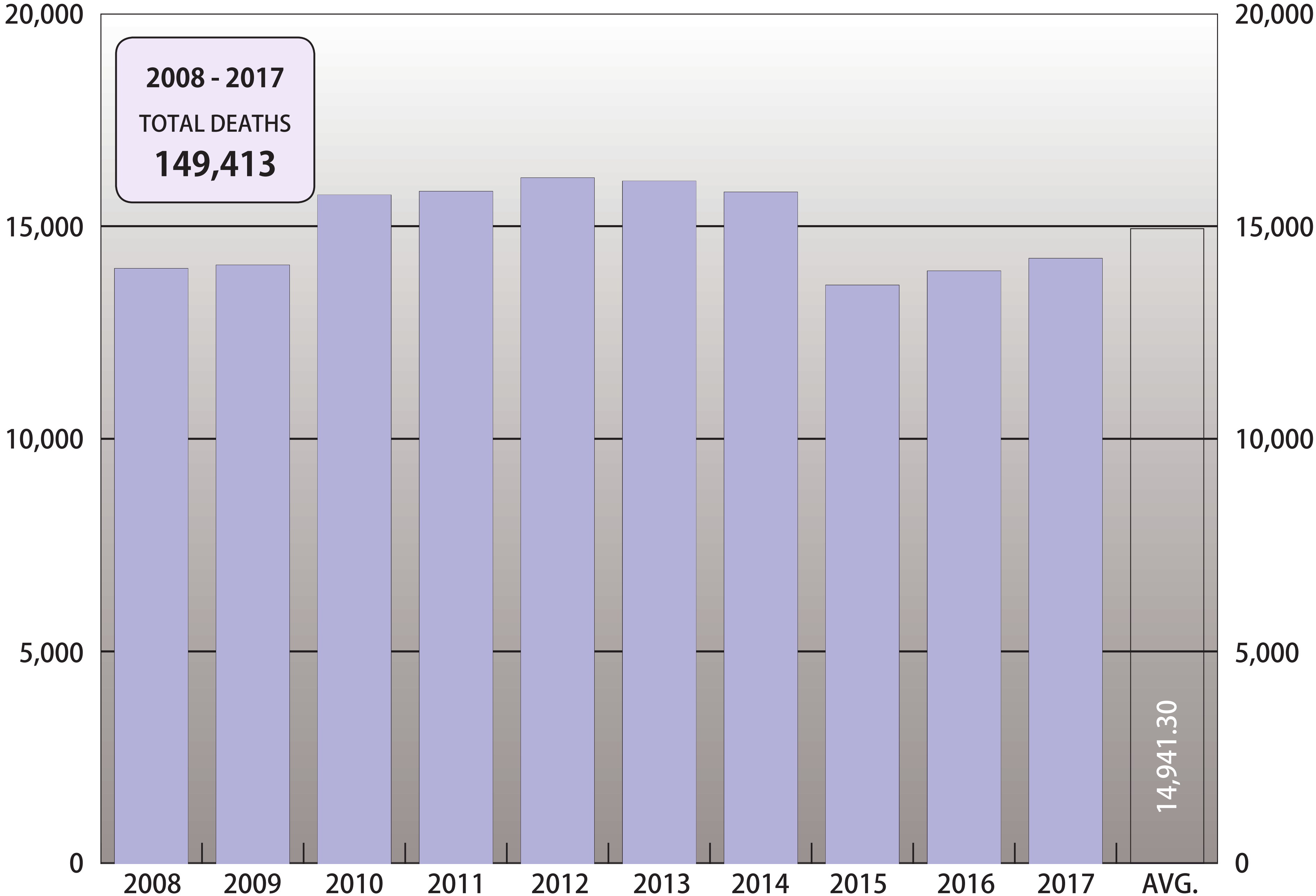
District 1	130,204
District 2	115,832
District 3	111,322
District 4	125,471
District 5	120,703
District 6	125,005
District 7	98,856
District 8	113,364
District 9	114,326
District 10	103,785
District 11	121,254

*** Chagrin Falls data is reported for the combined communities of Chagrin Falls Village and Chagrin Falls Township.**

**** Provided by: Northern Ohio Data and Information Service - NODIS, Maxine Goodman Levin College of Urban Affairs, Cleveland State University.**

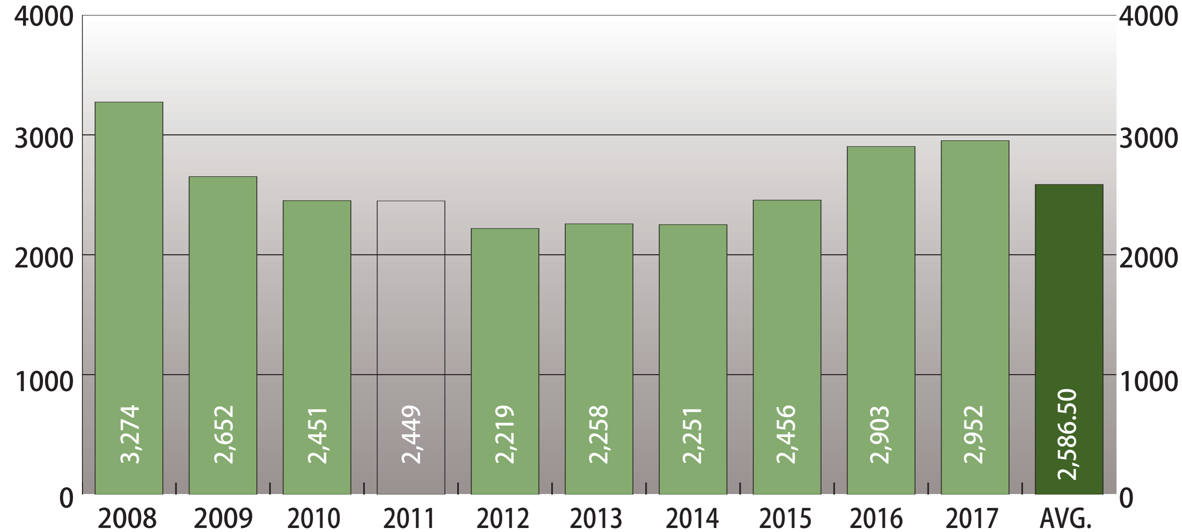
POPULATION OF CUYAHOGA COUNTY 1,280,122

TOTAL OF ALL DEATHS IN CUYAHOGA COUNTY FOR A PERIOD OF TEN YEARS



2017 SUMMARY OF MEDICAL EXAMINER'S CASES

FOR A PERIOD OF TEN YEARS



2008 - 2017

TOTAL CASES

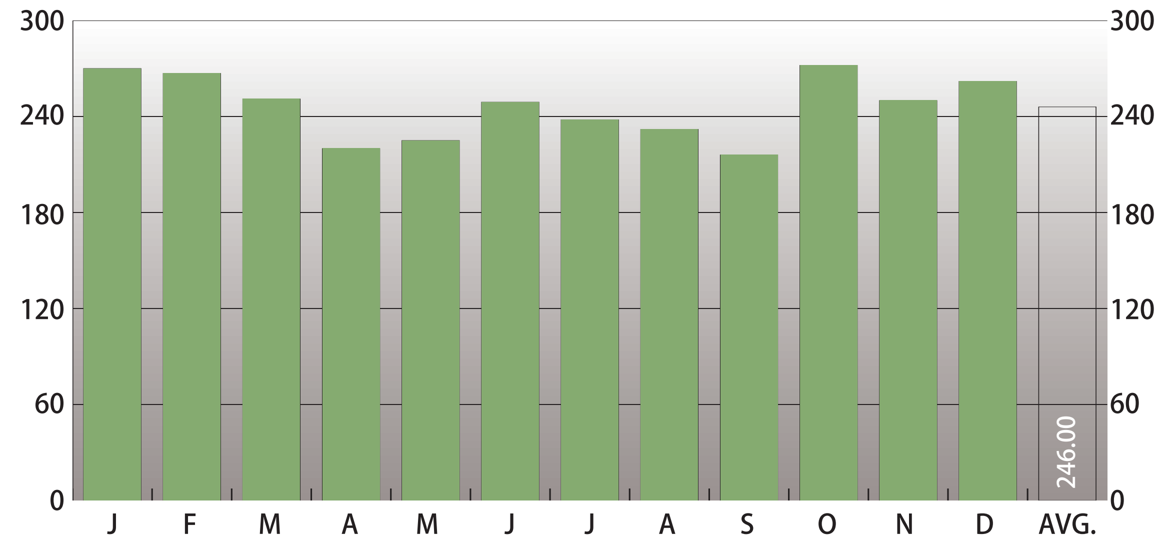
25,865

17.31%

OF TOTAL DEATHS

2017 SUMMARY OF MEDICAL EXAMINER'S CASES

BY MONTH FOR THE YEAR 2017



2017

TOTAL CASES

2,952

TABLE 1 SUMMARY OF ALL FATALITIES BY TYPE, LOCATION WITH MISCELLANEOUS DATA

Type of Fatality	County: Cleveland	County: Other Cities	County: Rest of County	Out of County	Total
Accidents in the Home	380	363	22	118	883
Accidents While at Work	4	4	0	3	11
Vehicular Fatalities	59	40	5	46	150
Accidents in Other Places	202	207	9	64	482
Homicides	136	47	0	6	189
Suicides	54	97	12	13	176
Total Violent Deaths	**835**	**758**	**48**	**250**	**1,891**
Natural Causes	476	535	19	1	1,031
Undetermined Causes	15	10	0	0	25
No Manner Issued	5	0	0	0	5
Total Cases Reported and Admitted	**1,331**	**1,303**	**67**	**251**	**2,952**

Miscellaneous	Total
Cases Reported-Not Admitted	3,724
Autopsies*	1,455*
Autopsies Performed for Other Counties	434
Unidentified Bodies	1
Unclaimed Bodies	139
Donated Bodies	7
Total Deaths in Cuyahoga County	14,240
Total Cases as a Percentage of Total Deaths	20.73%

***Includes 8 autopsies performed at hospitals.**

TOTAL CASES BY MONTH AND TYPE OF FATALITY

TABLE 2

Type of Fatality	January		February		March*		April		May		June		July		August		September		October*		November		December		Total		Grand Total
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
Accidents in the Home	40	27	59	43	40	25	46	25	35	27	47	29	46	36	42	26	45	24	42	30	52	27	38	32	532	351	883
Accidents While at Work	1	0	0	1	0	0	2	0	0	0	2	0	2	0	1	0	0	0	1	0	1	0	0	0	10	1	11
Vehicular Accidents	9	6	2	0	8	2	12	1	9	1	10	7	11	1	9	7	8	3	14	4	11	3	8	4	111	39	150
Accidents in Other Places	34	16	23	18	20	14	27	14	19	18	23	22	20	16	33	10	24	10	18	29	14	20	22	18	277	205	482
Homicides	14	5	10	2	16	1	6	2	11	4	12	4	8	3	15	2	12	1	18	2	16	2	22	1	160	29	189
Suicides	11	3	6	3	11	4	10	3	13	4	9	3	12	2	11	7	16	0	14	4	14	1	13	2	140	36	176
Natural Causes	62	39	71	28	73	32	48	20	50	31	52	28	44	34	44	22	44	26	64	30	58	30	65	36	675	356	1,031
Undetermined Causes	3	0	1	0	3	2	1	1	3	0	1	0	1	2	2	1	2	0	0	0	1	0	1	0	19	6	25
No Manner Issued	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	0	2	0	0	0	0	1	4	5
Total	174	96	172	95	171	80	153	67	140	85	156	93	144	94	157	75	151	65	171	101	167	83	169	93	1,925	1027	2,952

TABLE 3 AUTOPSIES BY MONTH AND TYPE OF FATALITY

Type of Fatality	January		February		March		April		May		June		July		August		September		October*		November		December		Total		Grand Total
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
Accidents in the Home	22	10	34	18	23	13	28	15	23	16	31	17	31	17	21	9	29	10	24	6	33	11	19	9	318	151	469
Accidents While at Work	1	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	3	1	4
Vehicular Accidents	6	2	2	0	3	1	4	1	4	1	4	5	4	1	7	4	3	3	7	0	6	1	5	3	55	22	77
Accidents in Other Places	18	3	9	2	7	3	13	3	10	3	12	5	9	0	19	1	13	1	9	8	10	4	10	4	139	37	176
Homicides	14	5	10	2	16	1	6	2	11	4	12	4	8	3	15	2	12	1	18	2	16	2	22	1	160	29	189
Suicides	8	1	6	3	9	3	7	3	7	4	9	2	11	2	9	6	13	0	12	4	3	0	8	1	102	29	131
Natural Causes	33	9	27	10	35	12	23	4	19	7	27	9	17	11	19	5	15	12	20	10	16	9	20	14	271	112	383
Undetermined Causes	3	0	1	0	3	2	1	1	3	0	1	0	1	2	2	1	1	0	0	0	1	0	1	0	18	6	24
No Manner Issued	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	2
Total	105	30	89	36	96	35	82	30	77	35	97	42	81	36	92	28	86	27	91	31	85	27	85	32	1,066	389	1,455

TOTAL CASES BY AGE GROUP AND TYPE OF FATALITY

Type of Fatality	< Than 1		1-4		5-9		10-14		15-19		20-24		25-29		30-34		35-39		40-44		45-49		50-54		55-59		60-64		65-69		70-74		75-79		80 and Over		Total		Grand Total
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
Accidents in the Home	0	6	1	1	1	1	0	0	4	0	13	8	24	10	36	17	41	15	36	15	28	20	63	31	58	32	45	24	32	9	16	17	18	13	116	132	532	351	883
Accidents While at Work	0	0	0	0	0	0	0	0	0	1	0	0	0	0	2	0	0	0	0	0	0	0	2	0	2	0	0	0	2	0	2	0	0	0	0	0	10	1	11
Vehicular Accidents	0	0	3	2	1	3	0	1	7	4	13	2	12	1	4	4	8	2	9	1	4	0	3	3	16	2	10	3	4	4	9	2	2	3	6	2	111	39	150
Accidents in Other Places	3	0	2	0	0	1	1	0	2	4	5	4	18	2	21	4	12	4	23	6	25	8	25	10	28	8	18	6	14	4	12	5	15	10	53	129	277	205	482
Homicides	1	1	4	1	1	1	1	1	23	1	27	3	24	3	29	2	15	3	6	2	7	4	11	2	2	1	3	0	1	1	3	1	1	1	1	1	160	29	189
Suicides	0	0	0	0	0	0	2	1	5	2	16	3	15	2	9	4	10	1	15	4	8	4	10	1	11	6	13	3	8	1	6	2	5	1	7	1	140	36	176
Natural Causes	2	2	3	4	0	1	0	1	5	1	7	3	7	3	13	8	14	9	34	16	41	12	65	32	97	42	118	51	89	39	61	30	45	25	74	77	675	356	1,031
Undetermined Causes*	9	2	1	0	0	1	0	0	0	0	0	0	1	1	1	0	1	0	0	0	1	0	0	2	1	0	0	0	3	0	0	0	0	0	0	0	18*	6	24
No Manner Issued	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	5
Total	16	15	14	8	3	8	4	4	46	13	81	23	101	22	115	39	101	34	123	44	114	48	179	81	215	91	207	87	153	58	109	57	86	53	257	342	1,924	1,027	2,951

***Age is unknown for 1 undetermined cause.**

TABLE 5 AUTOPSIES BY AGE GROUP AND TYPE OF FATALITY

Type of Fatality	< Than 1		1-4		5-9		10-14		15-19		20-24		25-29		30-34		35-39		40-44		45-49		50-54		55-59		60-64		65-69		70-74		75-79		80 and Over		Total		Grand Total
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
Accidents in the Home	0	6	1	1	1	1	0	0	3	0	10	4	21	10	33	13	36	12	31	14	27	18	51	21	43	23	29	17	18	2	7	4	1	0	6	5	318	151	469
Accidents While at Work	0	0	0	0	0	0	0	0	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	3	1	4
Vehicular Accidents	0	0	1	2	0	1	0	1	2	1	9	1	7	0	3	3	5	1	8	1	2	0	2	3	6	1	4	2	2	1	2	2	1	1	1	1	55	22	77
Accidents in Other Places	1	0	2	0	0	0	0	0	2	2	3	2	16	2	20	1	8	3	18	5	23	4	18	5	18	4	5	2	3	1	1	0	0	0	1	6	139	37	176
Homicides	1	1	4	1	1	1	1	1	23	1	27	3	24	3	29	2	15	3	6	2	7	4	11	2	2	1	3	0	1	1	3	1	1	1	1	1	160	29	189
Suicides	0	0	0	0	0	0	1	1	5	1	10	2	13	2	9	3	7	1	9	4	5	3	6	1	7	4	11	3	7	1	4	2	4	1	4	0	102	29	131
Natural Causes	2	1	2	4	0	1	0	1	3	1	7	2	5	2	11	4	12	6	29	10	25	9	43	14	41	16	39	17	25	7	11	7	5	7	11	3	271	112	383
Undetermined Causes*	9	2	1	0	0	1	0	0	0	0	0	0	1	1	1	0	1	0	0	0	1	0	0	2	1	0	0	0	2	0	0	0	0	0	0	0	17	6	23
No Manner Issued	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
Total	13	12	11	8	2	5	2	4	38	7	66	14	87	20	108	26	84	26	101	36	90	38	131	48	119	49	91	41	58	13	28	16	12	10	24	16	1,065	389	1,454

***Age is unknown for 1 undetermined cause.**

GEOGRAPHICAL LOCATION - ALL FATALITIES SUMMARY

TABLE 6A

Cities	Violent Deaths								Other Deaths				Grand Total
	Accidents					Other Violence							
	Accidents in the Home	Accidents While at Work	Vehicular Accidents	Accidents in Other Places	Total Accidents	Homicides	Suicides	Total Other Violence	Natural Causes	Undetermined Causes	No Manner Issued	Total Other Deaths	
Cleveland	519	8	115	243	885	153	71	224	478	15	5	498	1607
Bay Village	3	0	0	3	6	0	3	3	3	0	0	3	12
Beachwood	12	0	3	14	29	1	1	2	19	2	0	21	52
Bedford	8	0	0	5	13	0	4	4	13	1	0	14	31
Bedford Heights	3	0	0	0	3	0	1	1	11	0	0	11	15
Berea	5	0	1	1	7	0	5	5	5	0	0	5	17
Brecksville	7	0	1	2	10	0	2	2	8	0	0	8	20
Broadview Heights	4	1	0	2	7	0	4	4	8	0	0	8	19
Brooklyn	2	0	1	1	4	1	0	1	7	0	0	7	12
Brook Park	5	0	0	6	11	0	3	3	11	0	0	11	25
Cleveland Heights	7	0	1	1	9	0	3	3	20	0	0	20	32
East Cleveland	9	0	0	3	12	4	0	4	17	0	0	17	33
Euclid	24	0	3	10	37	5	6	11	66	0	0	66	114
Fairview Park	2	0	0	1	3	2	5	7	7	0	0	7	17
Garfield Heights	20	0	2	15	37	4	3	7	19	1	0	20	64
Highland Heights	0	0	0	2	2	0	0	0	4	0	0	4	6
Independence	2	0	0	0	2	0	1	1	2	1	0	3	6
Lakewood	16	0	0	10	26	2	6	8	28	0	0	28	62
Lyndhurst	0	0	0	1	1	0	0	0	2	0	0	2	3
Maple Heights	2	0	1	1	4	1	2	3	10	0	0	10	17
Mayfield Heights	35	0	3	14	52	5	3	8	29	0	0	29	89
Middleburg Heights	24	0	0	15	39	4	6	10	26	1	0	27	76
North Olmsted	6	0	0	8	14	0	2	2	12	0	0	12	28
North Royalton	1	0	1	3	5	3	3	6	8	0	0	8	19
Olmsted Falls	4	0	0	1	5	0	1	1	2	0	0	2	8
Parma	58	0	3	28	89	0	14	14	65	0	0	65	168

TABLE 6A GEOGRAPHICAL LOCATION - ALL FATALITIES SUMMARY (continued)

Cities	Violent Deaths								Other Deaths				Grand Total
	Accidents					Other Violence							
	Accidents in the Home	Accidents While at Work	Vehicular Accidents	Accidents in Other Places	Total Accidents	Homicides	Suicides	Total Other Violence	Natural Causes	Undetermined Causes	No Manner Issued	Total Other Deaths	
Parma Heights	6	0	1	0	7	2	4	6	10	0	0	10	23
Pepper Pike	5	0	0	0	5	0	0	0	1	0	0	1	6
Richmond Heights	8	1	0	6	15	0	0	0	6	1	0	7	22
Rocky River	3	0	1	2	6	0	2	2	7	0	0	7	15
Seven Hills	3	0	0	1	4	0	1	1	7	0	0	7	12
Shaker Heights	2	0	0	0	2	1	1	2	9	1	0	10	14
Solon	4	0	1	0	5	0	1	1	6	2	0	8	14
South Euclid	4	0	0	0	4	0	1	1	9	0	0	9	14
Strongsville	18	0	2	16	36	0	0	0	20	0	0	20	56
University Heights	1	0	0	0	1	0	1	1	4	0	0	4	6
Warrensville Heights	4	0	5	7	16	1	1	2	25	0	0	25	43
Westlake	41	1	4	54	100	0	3	3	28	0	0	28	131
Total	**877**	**11**	**149**	**476**	**1,513**	**189**	**164**	**353**	**1,012**	**25**	**5**	**1,042**	**2,908**

TABLE 6B GEOGRAPHICAL LOCATION - ALL FATALITIES SUMMARY

VILLAGES: Bentleyville	0	0	0	0	0	0	0	0	2	0	0	2	2
Bratenahl	0	0	0	1	1	0	0	0	0	0	0	0	1
Brooklyn Heights	0	0	0	0	0	0	0	0	0	0	0	0	0
Cuyahoga Heights	0	0	0	0	0	0	0	0	0	0	0	0	0
Gates Mills	1	0	1	0	2	0	0	0	0	0	0	0	2
Glenwillow	0	0	0	0	0	0	0	0	0	0	0	0	0
Highland Hills	0	0	0	0	0	0	0	0	0	0	0	0	0
Hunting Valley	0	0	0	0	0	0	0	0	0	0	0	0	0
Linndale	0	0	0	0	0	0	0	0	0	0	0	0	0

***Place of death is unknown for 1 case.**

GEOGRAPHICAL LOCATION - ALL FATALITIES SUMMARY (continued)

TABLE 6B

	Violent Deaths								Other Deaths				
	Accidents					Other Violence							
Villages and Townships	Accidents in the Home	Accidents While at Work	Vehicular Accidents	Accidents in Other Places	Total Accidents	Homicides	Suicides	Total Other Violence	Natural Causes	Undetermined Causes	No Manner Issued	Total Other Deaths	Grand Total
VILLAGES (cont): Mayfield Village	1	0	0	0	1	0	1	1	3	0	0	3	5
Moreland Hills	0	0	0	0	0	0	1	1	0	0	0	0	1
Newburgh Heights	1	0	0	0	1	0	0	0	0	0	0	0	1
North Randall	0	0	0	0	0	0	1	1	1	0	0	1	2
Oakwood Village	1	0	0	0	1	0	2	2	2	0	0	2	5
Orange Village	0	0	0	0	0	0	1	1	1	0	0	1	2
Walton Hills	0	0	0	0	0	0	2	2	0	0	0	0	2
Woodmere	0	0	0	0	0	0	1	1	1	0	0	1	2
TOWNSHIPS: Chagrin Falls	1	0	0	2	3	0	2	2	1	0	0	1	6
Olmsted Township	1	0	0	2	3	0	1	1	8	0	0	8	12
Total	**6**	**0**	**1**	**5**	**12**	**0**	**12**	**12**	**19**	**0**	**0**	**19**	**43**

GEOGRAPHICAL LOCATION - ALL FATALITIES SUMMARY

TABLE 7

	Violent Deaths								Other Deaths				
	Accidents					Other Violence							
Geographical Location	Accidents in the Home	Accidents While at Work	Vehicular Accidents	Accidents in Other Places	Total Accidents	Homicides	Suicides	Total Other Violence	Natural Causes	Undetermined Causes	No Manner Issued	Total Other Deaths	Grand Total
Cities	743	8	99	409	1,259	183	151	334	1,011	25	5	1,041	2,634
Villages	11	0	5	3	19	0	10	10	10	0	0	10	39
Townships	11	0	0	6	17	0	2	2	9	0	0	9	28
Out of County	118	3	46	64	231	6	13	19	1	0	0	1	251
Total	**883**	**11**	**150**	**482**	**1,526**	**189**	**176**	**365**	**1,031**	**25**	**5**	**1,061**	**2,952**

TABLE 8

ACCIDENT FATALITIES BY MONTH

	Home Accidents							Work Accidents							Vehicular Accidents							Other Accidents							Totals						
Month	Cleveland	Other Cities	Villages	Townships	Out of County	Unknown	Total	Cleveland	Other Cities	Villages	Townships	Out of County	Unknown	Total	Cleveland	Other Cities	Villages	Townships	Out of County	Unknown	Total	Cleveland	Other Cities	Villages	Townships	Out of County	Unknown	Total	Cleveland	Other Cities	Villages	Townships	Out of County	Unknown	Grand Total
January	27	30	2	2	6	0	67	0	1	0	0	0	0	1	6	4	0	0	4	1	15	17	15	0	1	4	13	50	50	50	2	3	14	14	133
February	53	34	0	3	12	0	102	1	0	0	0	0	0	1	1	1	0	0	0	0	2	6	15	0	0	5	15	41	61	50	0	3	17	15	146
March	24	29	2	1	8	1	65	0	0	0	0	0	0	0	3	2	0	0	4	1	10	6	13	0	0	6	9	34	33	44	2	1	18	11	109
April	28	33	3	0	7	0	71	0	1	0	0	1	0	2	4	3	0	0	4	2	13	8	13	0	0	7	13	41	40	50	3	0	19	15	127
May	23	33	0	0	6	0	62	0	0	0	0	0	0	0	5	2	1	0	2	0	10	10	11	0	0	6	10	37	38	46	1	0	14	10	109
June	39	23	2	1	11	0	76	1	0	0	0	0	1	2	2	7	1	0	7	0	17	14	14	0	0	4	13	45	56	44	3	1	22	14	140
July	40	31	1	1	9	0	82	1	0	0	0	1	0	2	3	3	0	0	6	0	12	11	12	1	1	4	7	36	55	46	2	2	20	7	132
August	27	28	0	0	13	0	68	0	0	0	0	1	0	1	8	4	0	0	4	0	16	22	8	0	1	6	6	43	57	40	0	1	24	6	128
September	31	29	0	0	8	1	69	0	0	0	0	0	0	0	5	1	1	0	4	0	11	4	9	1	0	6	14	34	40	39	2	0	18	15	114
October	26	31	0	2	13	0	72	1	0	0	0	0	0	1	6	4	1	0	7	0	18	8	19	1	1	7	11	47	41	54	2	3	27	11	138
November	34	28	1	0	14	2	79	0	1	0	0	0	0	1	7	2	1	0	3	1	14	9	9	0	1	4	11	34	50	40	2	1	21	14	128
December	24	34	0	1	11	0	70	0	0	0	0	0	0	0	7	4	0	0	1	0	12	12	10	0	1	5	12	40	43	48	0	2	17	12	122
Total	**376**	**363**	**11**	**11**	**118**	**4**	**883**	**4**	**3**	**0**	**0**	**3**	**1**	**11**	**57**	**37**	**5**	**0**	**46**	**5**	**150**	**127**	**148**	**3**	**6**	**64**	**134**	**482**	**564**	**551**	**19**	**17**	**231**	**144**	**1,526**

HOMICIDE AND SUICIDE FATALITIES BY MONTH

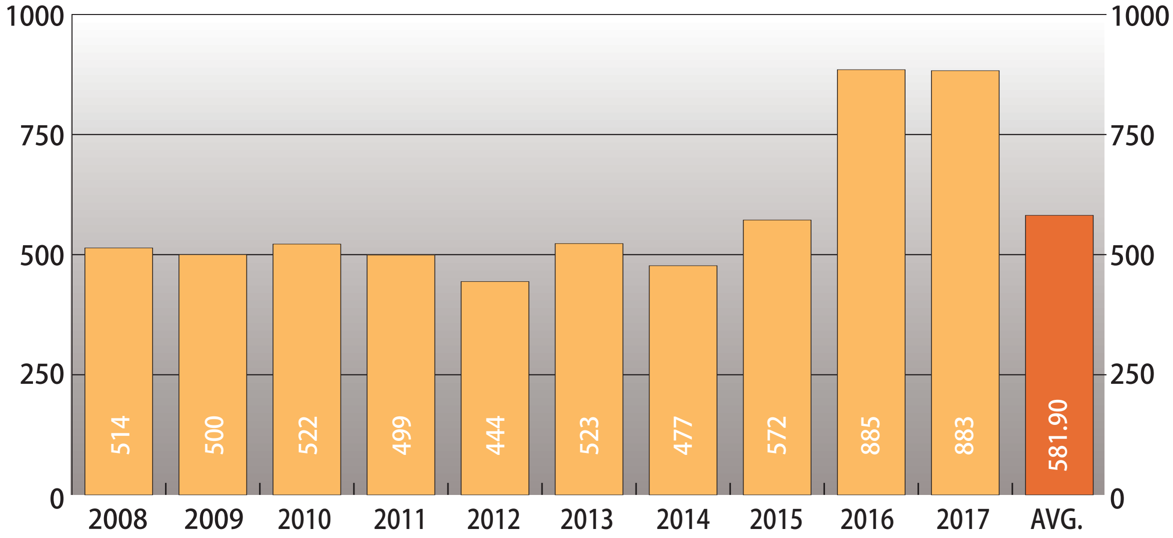
TABLE 9

	Homicide							Suicide							Totals						
Month	Cleveland	Other Cities	Villages	Townships	Out of County	Unknown	Total	Cleveland	Other Cities	Villages	Townships	Out of County	Unknown	Total	Cleveland	Other Cities	Villages	Townships	Out of County	Unknown	Grand Total
January	13	4	0	0	1	1	19	5	8	0	0	0	1	14	18	12	0	0	1	2	33
February	7	4	0	0	1	0	12	5	4	0	0	0	0	9	12	8	0	0	1	0	21
March	14	3	0	0	0	0	17	4	7	0	2	1	1	15	18	10	0	2	1	1	32
April	7	1	0	0	0	0	8	3	5	2	0	3	0	13	10	6	2	0	3	0	21
May	10	5	0	0	0	0	15	3	10	3	0	1	0	17	13	15	3	0	1	0	32
June	7	8	0	0	1	0	16	6	5	0	0	0	1	12	13	13	0	0	1	1	28
July	7	4	0	0	0	0	11	4	6	3	0	1	0	14	11	10	3	0	1	0	25
August	14	2	0	0	1	0	17	2	13	1	0	2	0	18	16	15	1	0	3	0	35
September	12	1	0	0	0	0	13	4	11	0	0	1	0	16	16	12	0	0	1	0	29
October	13	6	0	0	0	1	20	5	11	1	0	1	0	18	18	17	1	0	1	1	38
November	12	5	0	0	1	0	18	3	9	0	0	2	1	15	15	14	0	0	3	1	33
December	17	4	0	0	1	1	23	6	8	0	0	1	0	15	23	12	0	0	2	1	38
Total	**133**	**47**	**0**	**0**	**6**	**3**	**189**	**50**	**97**	**10**	**2**	**13**	**4**	**176**	**183**	**144**	**10**	**2**	**19**	**7**	**365**


Photograph by A. Koons

2017 FATALITIES RESULTING FROM ACCIDENTS IN THE HOME

FOR A PERIOD OF TEN YEARS



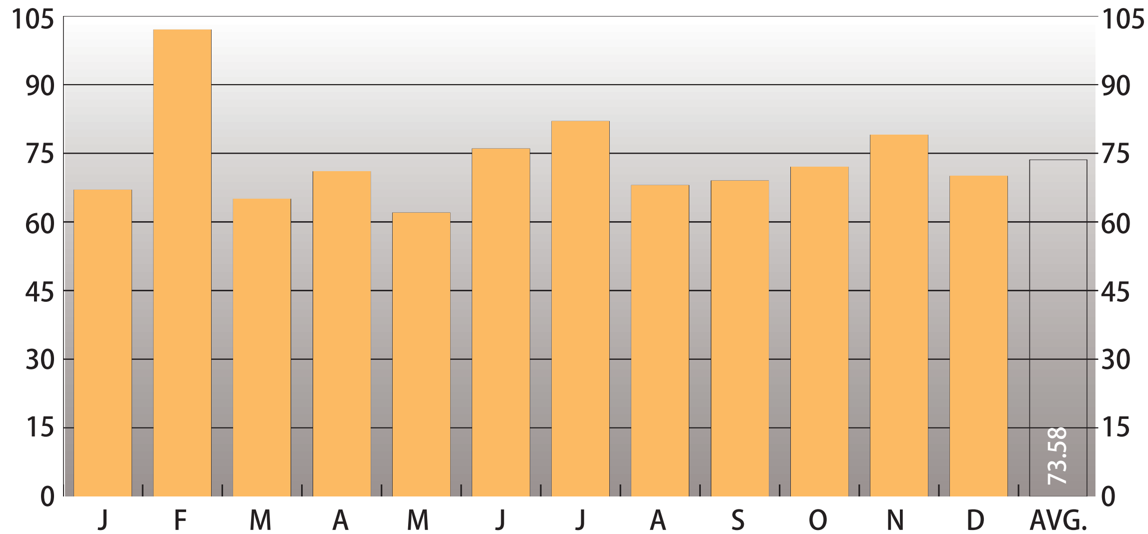
2017

TOTAL CASES

883

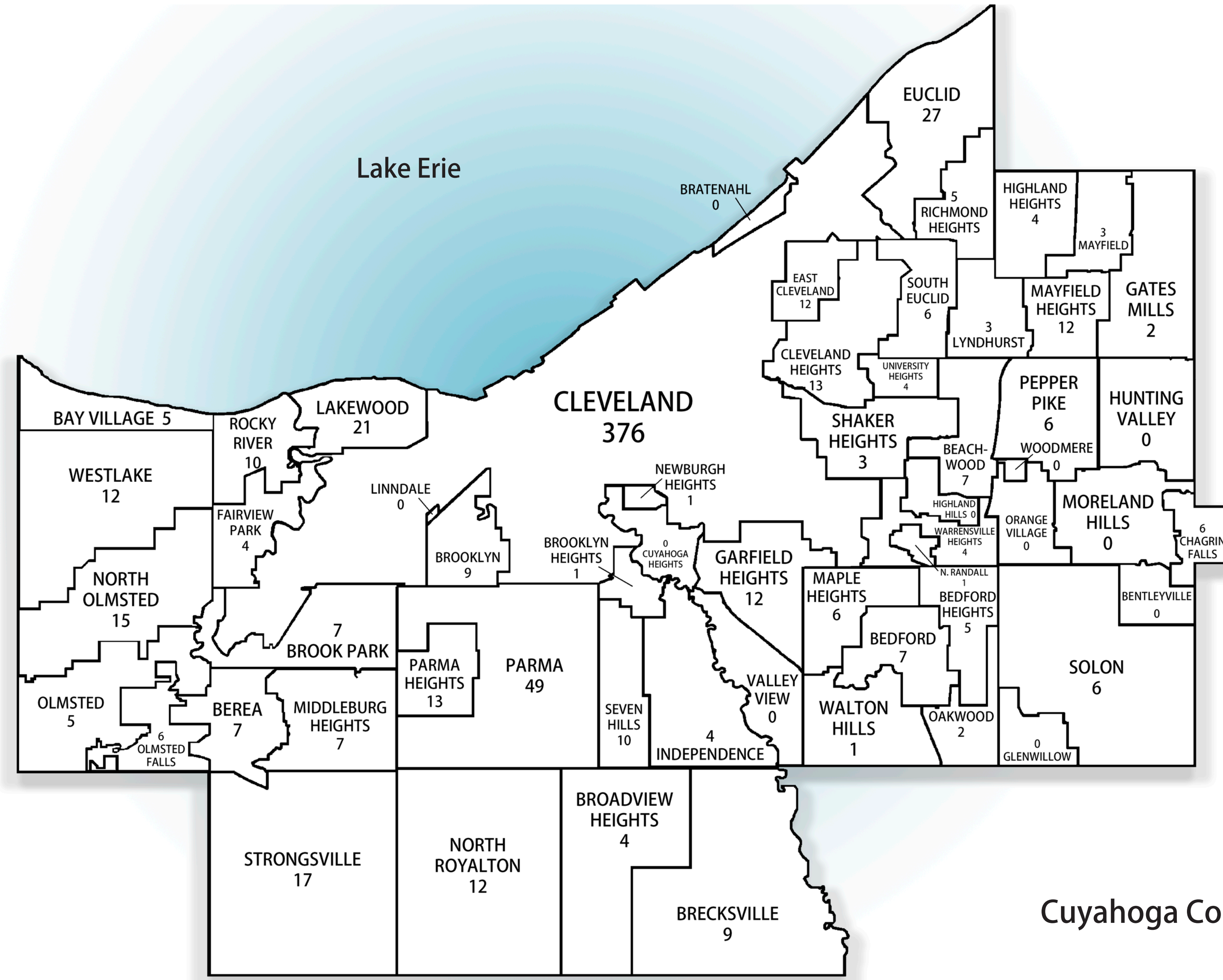
2017 FATALITIES RESULTING FROM ACCIDENTS IN THE HOME

BY MONTH FOR THE YEAR 2017



		Number	Percent
Gender	Male	532	60.25
	Female	351	39.75
Race	White	703	79.61
	Black	173	19.59
	Asian	6	0.68
	Asian Indian	1	0.11
Ethnicity	Hispanic	33	3.74
	Non-Hispanic	850	96.26
Ethanol	Tested	516	58.44
	Positive	172	19.48
Autopsied		469	53.11

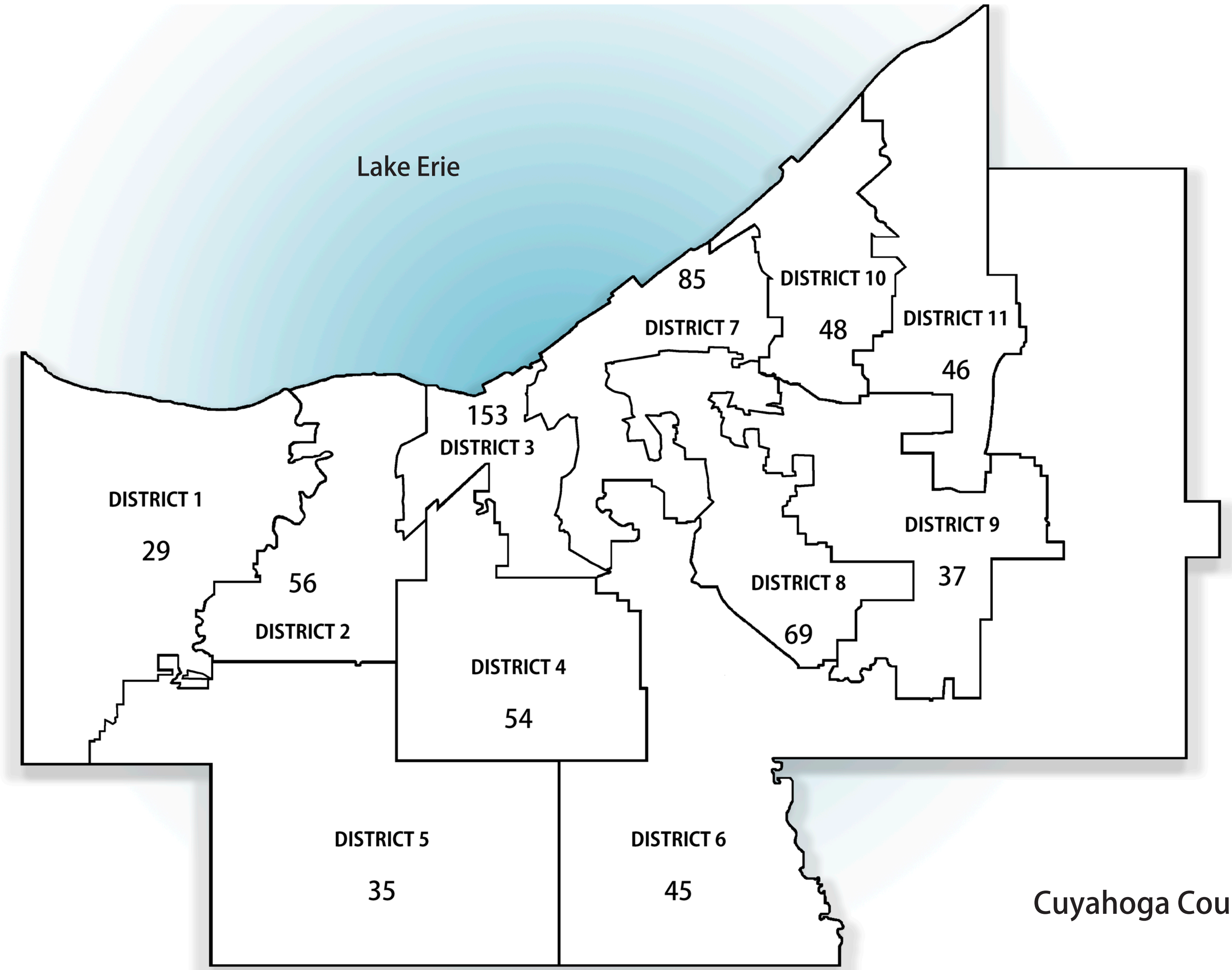
MAP 2A DISTRIBUTION OF FATALITIES FROM ACCIDENTS IN THE HOME BY CITY*



*Injury location is unknown for 4 cases and 118 cases are from outside of Cuyahoga County.

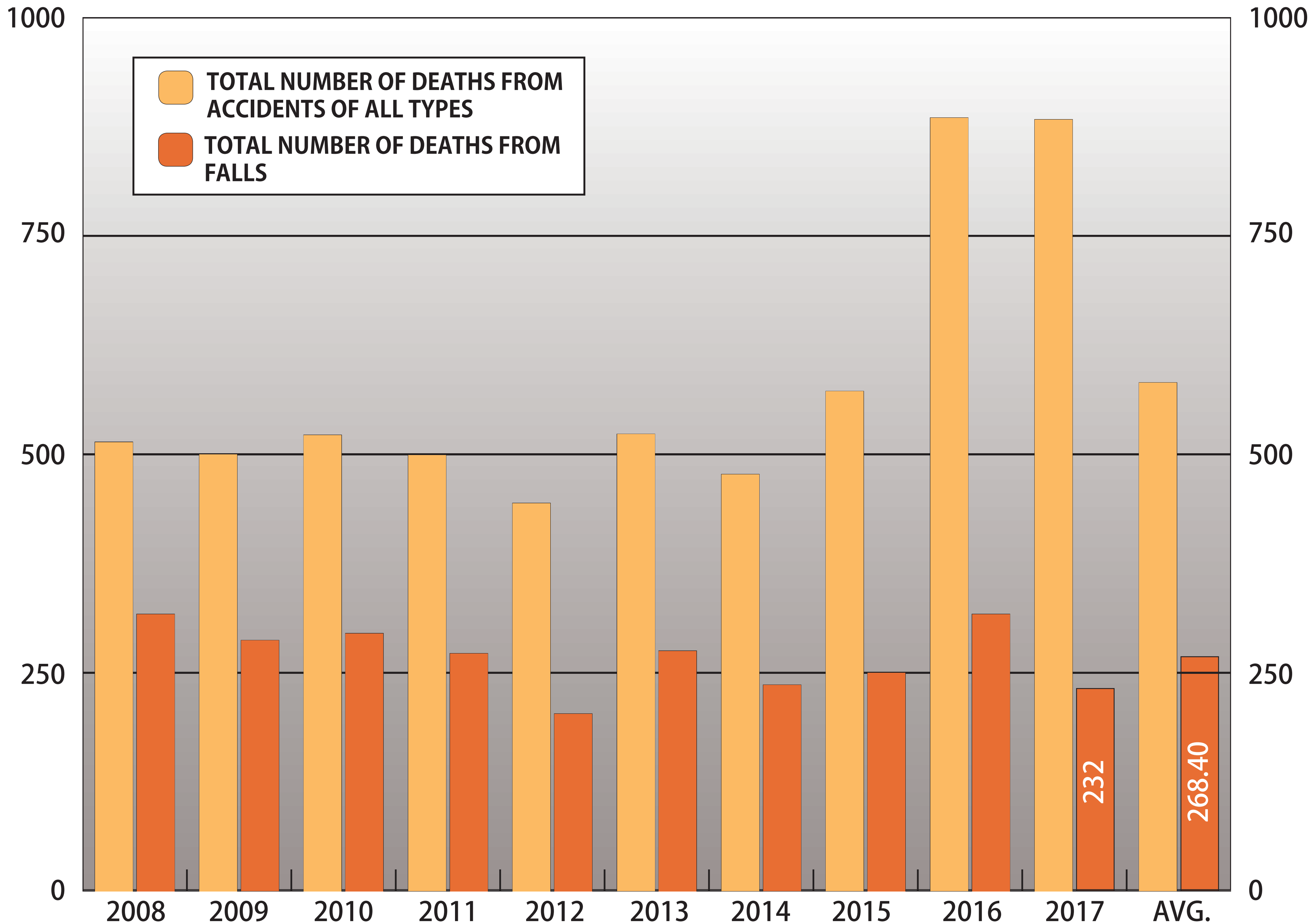
DISTRIBUTION OF FATALITIES FROM ACCIDENTS IN THE HOME BY COUNCIL DISTRICT*

MAP 2B



*Injury location is unknown for 4 cases and 118 cases are from outside of Cuyahoga County. Council district was undetermined and/or not analyzed for 4 cases.

DEATHS RESULTING FROM ACCIDENTS AND ACCIDENTAL FALLS IN THE HOME FOR A PERIOD OF TEN YEARS



MONTHLY ETHANOL INCIDENCE

TABLE 10

												Not Tested		Tested						Stages													
		Total		Cleveland		County		Out of County		Unknown				Total		Negative		Positive		0.01% - 0.04%		0.05% - 0.08%		0.09% - 0.14%		0.15% - 0.19%		0.20% - 0.24%		0.25% - 0.29%		0.30% or Over	
Month	Total	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Jan.	67	40	27	19	8	18	16	3	3	0	0	11	13	29	14	14	9	15	5	6	2	3	0	4	0	1	2	0	0	0	0	1	1
Feb.	102	59	43	38	15	15	22	6	6	0	0	17	24	42	19	26	14	16	5	4	2	4	0	3	1	1	2	2	0	1	0	1	0
Mar.	65	40	25	16	8	19	13	5	3	0	1	14	12	26	13	16	9	10	4	3	3	0	0	3	0	1	0	1	0	1	0	1	1
Apr.	71	46	25	19	9	22	14	5	2	0	0	15	9	31	16	18	14	13	2	3	1	5	0	0	0	1	1	1	0	2	0	1	0
May	62	35	27	10	13	22	11	3	3	0	0	8	9	27	18	17	11	10	7	5	4	3	1	1	1	1	1	0	0	0	0	0	0
Jun.	76	47	29	27	12	11	15	9	2	0	0	12	12	35	17	21	11	14	6	7	1	2	1	2	0	2	1	0	2	1	1	0	0
July	82	46	36	24	16	18	15	4	5	0	0	11	14	35	22	24	19	11	3	5	1	2	0	2	2	0	0	2	0	0	0	0	0
Aug.	68	42	26	20	7	15	13	7	6	0	0	19	15	23	11	12	8	11	3	6	1	2	1	1	0	1	1	0	0	0	0	1	0
Sept.	69	45	24	21	10	17	12	6	2	1	0	20	17	25	7	14	7	11	0	2	0	3	0	4	0	0	0	1	0	1	0	0	0
Oct.	72	42	30	18	8	17	16	7	6	0	0	14	20	28	10	19	8	9	2	4	1	2	0	2	0	0	0	0	0	0	0	1	1
Nov.	79	52	27	25	9	19	10	7	7	1	1	23	16	29	11	19	10	10	1	4	0	3	0	0	0	3	0	0	0	0	1	0	0
Dec.	70	38	32	16	8	15	20	7	4	0	0	19	23	19	9	18	6	1	3	0	1	0	1	1	1	0	0	0	0	0	0	0	0
Total	**883**	**532**	**351**	**253**	**123**	**208**	**177**	**69**	**49**	**2**	**2**	**183**	**184**	**349**	**167**	**218**	**126**	**131**	**41**	**49**	**17**	**29**	**4**	**23**	**5**	**11**	**8**	**7**	**2**	**6**	**2**	**6**	**3**

TABLE 11 AGE - RACE - ETHNICITY - ETHANOL INCIDENCE

Age	Race	Total	Ethnicity		Not Tested		Tested						Stages													
							Total		Negative		Positive		0.01% - 0.04%		0.05% - 0.08%		0.09% - 0.14%		0.15% - 0.19%		0.20% - 0.24%		0.25% - 0.29%		0.30% or Over	
			Hispanic	Non-Hispanic	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
< 1 Year	White	1	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	5	0	5	0	1	0	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Asian Indian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1 - 4	White	1	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	1	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Asian Indian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 - 9	White	2	1	1	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Asian Indian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 - 14	White	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Asian Indian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 - 19	White	4	0	4	0	0	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Asian Indian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 - 24	White	18	0	18	0	0	10	8	9	6	1	2	1	1	0	0	0	0	0	0	0	0	0	1	0	0
	Black	2	0	2	0	0	2	0	1	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
	Asian	1	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Asian Indian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 - 29	White	28	1	27	0	1	18	9	12	7	6	2	4	1	1	0	1	1	0	0	0	0	0	0	0	0
	Black	4	0	4	0	0	4	0	2	0	2	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0
	Asian	2	0	2	0	0	2	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	Asian Indian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 - 34	White	46	5	41	3	2	30	11	24	7	6	4	2	2	1	1	2	1	0	0	1	0	0	0	0	0
	Black	7	1	6	0	0	3	4	3	2	0	2	0	0	0	0	0	2	0	0	0	0	0	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Asian Indian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

AGE - RACE - ETHNICITY - ETHANOL INCIDENCE (continued)

TABLE 11

			Ethnicity		Not Tested		Tested						Stages													
							Total		Negative		Positive		0.01% - 0.04%		0.05% - 0.08%		0.09% - 0.14%		0.15% - 0.19%		0.20% - 0.24%		0.25% - 0.29%		0.30% or Over	
Age	Race	Total	Hispanic	Non-Hispanic	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
35 - 39	White	47	1	46	0	3	33	11	24	8	9	3	3	0	1	0	1	1	2	1	1	0	1	1	0	0
	Black	9	0	9	1	0	7	1	2	1	5	0	1	0	0	0	1	0	0	0	1	0	0	0	2	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Asian Indian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 - 44	White	41	2	39	2	0	26	13	18	11	8	2	2	1	4	1	2	0	0	0	0	0	0	0	0	0
	Black	9	0	9	0	0	7	2	3	1	4	1	1	1	2	0	1	0	0	0	0	0	0	0	0	0
	Asian	1	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Asian Indian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 - 49	White	42	5	37	3	2	21	16	11	13	10	3	4	1	3	0	1	0	0	0	0	1	0	0	2	1
	Black	6	0	6	0	0	4	2	2	1	2	1	1	0	1	0	0	0	0	1	0	0	0	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Asian Indian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 - 54	White	66	2	64	3	2	39	22	16	18	23	4	5	1	6	1	8	0	3	2	1	0	0	0	0	0
	Black	28	0	28	3	0	18	7	9	5	9	2	4	1	1	0	0	0	0	1	2	0	2	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Asian Indian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55 - 59	White	65	0	65	7	4	33	21	23	14	10	7	4	3	3	0	0	0	2	2	0	0	0	0	1	2
	Black	25	0	25	2	2	16	5	9	5	7	0	5	0	1	0	1	0	0	0	0	0	0	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Asian Indian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60 - 64	White	40	3	37	6	5	18	11	15	8	3	3	2	2	0	1	1	0	0	0	0	0	0	0	0	0
	Black	29	0	29	4	2	17	6	12	4	5	2	3	2	0	0	1	0	1	0	0	0	0	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Asian Indian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65 - 69	White	30	3	27	11	6	11	2	4	0	7	2	2	1	2	0	1	0	1	1	0	0	1	0	0	0
	Black	11	0	11	1	1	9	0	3	0	6	0	2	0	0	0	1	0	2	0	0	0	1	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Asian Indian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70 - 74	White	29	2	27	9	14	3	3	0	2	3	1	2	0	0	0	0	0	0	0	0	1	1	0	0	0
	Black	3	0	3	2	0	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Asian Indian	1	0	1	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0

TABLE 11 AGE - RACE - ETHNICITY - ETHANOL INCIDENCE (continued)

			Ethnicity		Not Tested		Tested						Stages													
							Total		Negative		Positive		0.01% - 0.04%		0.05% - 0.08%		0.09% - 0.14%		0.15% - 0.19%		0.20% - 0.24%		0.25% - 0.29%		0.30% or Over	
Age	Race	Total	Hispanic	Non-Hispanic	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
75 - 79	White	24	0	24	12	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	7	0	7	4	1	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Asian Indian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80 and Over	White	219	6	213	100	109	4	6	4	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	27	0	27	9	16	2	0	1	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
	Asian	2	0	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Asian Indian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	White	703	32	671	156	160	252	135	166	102	86	33	31	13	21	4	17	3	8	6	3	2	3	2	3	3
	Black	173	1	172	26	23	92	32	49	24	43	8	18	4	8	0	6	2	3	2	3	0	3	0	2	0
	Asian	6	0	6	1	1	4	0	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	Asian Indian	1	0	1	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Grand Total		**883**	**33**	**850**	**183**	**184**	**349**	**167**	**218**	**126**	**131**	**41**	**49**	**17**	**29**	**4**	**23**	**5**	**11**	**8**	**7**	**2**	**6**	**2**	**6**	**3**

MODE - ETHANOL INCIDENCE

TABLE 12

		Total		Cleveland		County		Out of County		Unknown		Not Tested		Tested						Stages													
														Total		Negative		Positive		0.01% - 0.04%		0.05% - 0.08%		0.09% - 0.14%		0.15% - 0.19%		0.20% - 0.24%		0.25% - 0.29%		0.30% or Over	
Mode	**Total**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**
Asphyxia	17	8	9	2	7	6	2	0	0	0	0	3	3	5	6	4	5	1	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0
Burning	9	3	6	1	3	0	0	2	3	0	0	2	5	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carbon Monoxide	16	9	7	6	3	3	4	0	0	0	0	0	1	9	6	5	5	4	1	1	1	1	0	1	0	0	0	0	0	1	0	0	0
Exposure	3	2	1	1	0	1	1	0	0	0	0	0	0	2	1	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Falling	328	166	162	24	23	84	101	56	37	2	1	151	155	15	7	5	5	10	2	2	0	2	0	1	0	1	0	0	1	3	0	1	1
Miscellaneous	10	6	4	1	2	3	1	2	1	0	0	3	2	3	2	2	2	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Poisoning	487	330	157	215	82	108	66	7	8	0	1	21	14	309	143	199	106	110	37	44	16	24	4	21	5	9	8	6	1	1	1	5	2
Undetermined	13	8	5	3	3	3	2	2	0	0	0	3	4	5	1	1	1	4	0	2	0	0	0	0	0	1	0	1	0	0	0	0	0
Total	**883**	**532**	**351**	**253**	**123**	**208**	**177**	**69**	**49**	**2**	**2**	**183**	**184**	**349**	**167**	**218**	**126**	**131**	**41**	**49**	**17**	**29**	**4**	**23**	**5**	**11**	**8**	**7**	**2**	**6**	**2**	**6**	**3**

TABLE 13 MODE* - ETHANOL INCIDENCE

		Total		Cleveland		County		Out of County		Unknown		Not Tested		Tested Total		Tested Negative		Tested Positive		Stages 0.01% - 0.04%		0.05% - 0.08%		0.09% - 0.14%		0.15% - 0.19%		0.20% - 0.24%		0.25% - 0.29%		0.30% or Over	
Month	**Total**	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Asphyxia:																																	
Bolus of Food	7	5	2	1	1	4	1	0	0	0	0	2	2	3	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Drowning	3	2	1	0	0	2	1	0	0	0	0	1	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Positional	3	1	2	1	2	0	0	0	0	0	0	0	1	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Suffocation	4	0	4	0	4	0	0	0	0	0	0	0	0	0	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**17**	**8**	**9**	**2**	**7**	**6**	**2**	**0**	**0**	**0**	**0**	**3**	**3**	**5**	**6**	**4**	**5**	**1**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**1**	**0**	**0**
Burning:																																	
Fire/Explosion	8	2	6	1	3	0	0	1	3	0	0	2	5	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scalding	1	1	0	0	0	0	0	1	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**9**	**3**	**6**	**1**	**3**	**0**	**0**	**2**	**3**	**0**	**0**	**2**	**5**	**1**	**1**	**1**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Carbom Monoxide:																																	
Smoke	16	9	7	6	3	3	4	0	0	0	0	0	1	9	6	5	5	4	1	1	1	1	0	1	0	0	0	0	0	1	0	0	0
Total	**16**	**9**	**7**	**6**	**3**	**3**	**4**	**0**	**0**	**0**	**0**	**0**	**1**	**9**	**6**	**5**	**5**	**4**	**1**	**1**	**1**	**1**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**0**
Exposure:																																	
Cold	3	2	1	1	0	1	1	0	0	0	0	0	0	2	1	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Total	**3**	**2**	**1**	**1**	**0**	**1**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**1**	**1**	**1**	**1**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

MODE - ETHANOL INCIDENCE

TABLE 14

Mode	Total	Total M	Total F	Cleveland M	Cleveland F	County M	County F	Out of County M	Out of County F	Unknown M	Unknown F	Not Tested M	Not Tested F	Tested Total M	Tested Total F	Negative M	Negative F	Positive M	Positive F	0.01% - 0.04% M	0.01% - 0.04% F	0.05% - 0.08% M	0.05% - 0.08% F	0.09% - 0.14% M	0.09% - 0.14% F	0.15% - 0.19% M	0.15% - 0.19% F	0.20% - 0.24% M	0.20% - 0.24% F	0.25% - 0.29% M	0.25% - 0.29% F	0.30% or Over M	0.30% or Over F
Single Chemical Agent:																																	
1,1-Difluoroethane	1	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3-Methylfentanyl	2	2	0	1	0	1	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acrylfentanyl	2	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amitriptyline	1	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carfentanil	14	13	1	10	0	3	1	0	0	0	0	0	0	13	1	11	0	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Cocaine	32	26	6	21	2	4	4	1	0	0	0	4	2	22	4	21	4	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyclopropyl Fentanyl	1	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diphenhydramine	1	0	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ethanol	2	2	0	1	0	1	0	0	0	0	0	0	0	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0
Fentanyl	15	13	2	6	0	7	2	0	0	0	0	0	1	13	1	13	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Heroin	5	2	3	1	2	1	1	0	0	0	0	0	0	2	3	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hydrocodone	1	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Methadone	2	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Methamphetamine	1	1	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Methoxyacetylfentanyl	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Morphine	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Opiate	4	2	2	2	0	0	1	0	1	0	0	0	1	2	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oxycodone	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Phencyclidine	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Two or More Chemical Agents:																																	
1, 1-Difluorethane, Codeine, Hydrocodone, Venlafaxine	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2-Furanyl Fentanyl, Carfentanil, Cocaine, Heroin	2	1	1	0	1	1	0	0	0	0	0	0	0	1	1	1	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0
2-Furanyl Fentanyl, Carfentanil, Hydrocodone, Morphine	1	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2-Furanyl Fentanyl, Citalopram, Fentanyl, Gabapentin, Heroin	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2-Furanyl Fentanyl, Fentanyl	1	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3-Methyfentanyl, Carfentanil, Diphenhydramine, Heroin	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3-Methyfentanyl, Cocaine, Diphenhydramine, Fentanyl, Heroin	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3-Methylfentanyl, Alprazolam, Carfentanil, Diphenhydramine, Fentanyl, Hydroxyzine	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3-Methylfentanyl, Buprenorphine, Carfentanil	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3-Methylfentanyl, Carfentanil, Fentanyl, Heroin, Methamphetamine	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3-Methylfentanyl, Cocaine	5	4	1	2	0	2	1	0	0	0	0	0	0	4	1	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 14 MODE - ETHANOL INCIDENCE (continued)

		Total		Cleveland		County		Out of County		Unknown		Not Tested		Tested						Stages													
														Total		Negative		Positive		0.01% - 0.04%		0.05% - 0.08%		0.09% - 0.14%		0.15% - 0.19%		0.20% - 0.24%		0.25% - 0.29%		0.30% or Over	
Mode	Total	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
3-Methylfentanyl, Cocaine, Cyclopropyl Fentanyl, Fentanyl, Heroin, Methamphetamine, Methoxyacetylfentanyl	1	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3-Methylfentanyl, Trazodone	1	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4-ANPP, Heroin	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acetaminophen, Alprazolam, Diazepam, Oxycodone	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acetaminophen, Clonazepam, Diazepam, Oxycodone	1	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acetyl Fentanyl, Acrylfentanyl, Carfentanil	1	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acetyl Fentanyl, Acrylfentanyl, Fentanyl, Heroin	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acetyl Fentanyl, Alprazolam, Cocaine, Fentanyl, Methadone	1	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acetyl Fentanyl, Carfentanil, Cocaine, Fentanyl	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acetyl Fentanyl, Carfentanil, Cyclopropyl Fentanyl, Fentanyl, Heroin, Methoxyacetylfentanyl	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acetyl Fentanyl, Carfentanil, Fentanyl	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acetyl Fentanyl, Carfentanil, Fentanyl, Heroin	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acetyl Fentanyl, Chlorpheniramine, Fentanyl	1	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acetyl Fentanyl, Cocaine, Fentanyl	2	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acetyl Fentanyl, Cocaine, Fentanyl, Heroin, Hydrocodone, Hydromorphone	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acetyl Fentanyl, Cocaine, Fentanyl, Heroin, Methadone, Phencyclidine	1	0	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acetyl Fentanyl, Diazepam, Diphenhydramine, Fentanyl, Heroin, Mirtazapine	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acetyl Fentanyl, Fentanyl	4	2	2	2	1	0	1	0	0	0	0	0	0	2	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acetyl Fentanyl, Fentanyl, Heroin	4	4	0	1	0	3	0	0	0	0	0	0	0	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acetyl Fentanyl, Fentanyl, Heroin, Lorazepam, Oxycodone	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acetyl Fentanyl, Fentanyl, Heroin, Tramadol, Trazodone	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Acrylfentanyl, Acetyl Fentanyl, Fentanyl, Furanyl Fentanyl, Heroin	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acrylfentanyl, Carfentanil, Cocaine, Fentanyl, Heroin	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acrylfentanyl, Carfentanil, Diazepam, Fentanyl, Heroin	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acrylfentanyl, Cocaine	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0

MODE - ETHANOL INCIDENCE (continued)

TABLE 14

Mode	Total	Total		Cleveland		County		Out of County		Unknown		Not Tested		Tested: Total		Tested: Negative		Tested: Positive		Stages: 0.01% - 0.04%		Stages: 0.05% - 0.08%		Stages: 0.09% - 0.14%		Stages: 0.15% - 0.19%		Stages: 0.20% - 0.24%		Stages: 0.25% - 0.29%		Stages: 0.30% or Over	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Acrylfentanyl, Cocaine, Fentanyl, Furanyl Fentanyl, Heroin	1	0	1	0	1	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acrylfentanyl, Cocaine, Fentanyl, Heroin	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acrylfentanyl, Diazepam, Diphenhydramine, Fentanyl, Para-Fluorobutyryl Fentanyl	1	1	0	0	0	0	0	1	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acrylfentanyl, Fentanyl	2	2	0	2	0	0	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acrylfentanyl, Fentanyl, Methamphetamine	1	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acrylfentanyl, Mirtazapine, U-047700	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acrylfentanyl, Morphine	1	1	0	0	0	0	0	1	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acrylfentanyl, Phenobarbital	1	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alprazolam Carfentanil, Opiate, Oxycodone	1	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alprazolam, Amphetamine, Cocaine, Fentanyl, Methylenedioxymethamphetamine	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alprazolam, Buprenorphine, Carfentanil, Quetiapine, Paroxetine, Tramadol	1	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alprazolam, Carbamazepine, Cocaine, Fentanyl, Heroin	1	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alprazolam, Carfentanil	1	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alprazolam, Carfentanil, Cyclobenzaprine, Fentanyl, Hydrocodone, Oxycodone	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alprazolam, Carfentanil, Fentanyl	2	2	0	1	0	1	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alprazolam, Carfentanil, Heroin	2	2	0	0	0	2	0	0	0	0	0	0	0	2	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Alprazolam, Carfentanil, Oxycodone	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alprazolam, Cocaine, Diazepam, Fentanyl, Heroin	1	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alprazolam, Cocaine, Diphenhydramine, Fentanyl, Heroin	1	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alprazolam, Cocaine, Fentanyl	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Alprazolam, Cocaine, Fentanyl, Heroin	1	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alprazolam, Cyclopropyl Fentanyl, Fentanyl, Heroin, Meprobamate, Methoxyacetylfentanyl	1	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alprazolam, Cyclopropyl Fentanyl, Fentanyl, Methoxyacetylfentanyl	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alprazolam, Dextromethorphan, Doxylamine, U-47700	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alprazolam, Diphenhydramine, Oxycodone	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 14 MODE - ETHANOL INCIDENCE (continued)

Mode	Total	Total		Cleveland		County		Out of County		Unknown		Not Tested		Tested: Total		Tested: Negative		Tested: Positive		Stages: 0.01% - 0.04%		Stages: 0.05% - 0.08%		Stages: 0.09% - 0.14%		Stages: 0.15% - 0.19%		Stages: 0.20% - 0.24%		Stages: 0.25% - 0.29%		Stages: 0.30% or Over	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Alprazolam, Fentanyl	4	3	1	2	0	1	1	0	0	0	0	0	0	3	1	2	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
Alprazolam, Fentanyl, Heroin	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alprazolam, Fentanyl, Oxycodone	2	2	0	1	0	1	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alprazolam, Heroin, Oxycodone, Pseudoephedrine	1	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alprazolam, Hydrocodone, Morphine	1	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amitriptyline, Carisoprodol, Fentanyl, Meprobamate, Tramadol	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amitriptyline, Cocaine, Fentanyl, Heroin	1	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Amitriptyline, Fentanyl	1	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amitriptyline, Oxycodone, Tramadol	1	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amphetamine, Carfentanil, Fentanyl, Hydrocodone, Morphine	1	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amphetamine, Clonazepam, Fentanyl, Heroin	1	0	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amphetamine, Cocaine, Heroin, Oxycodone	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amphetamine, Fentanyl	1	0	1	1	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amphetamine, Opioids	1	1	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Barbiturates, Benzodiazepines	1	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Benzodiazepines, Carfentanil	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Benzodiazepines, Cocaine, Fentanyl	1	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Benzodiazepines, Cocaine, Fentanyl, Heroin	1	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Benzodiazepines, Fentanyl, Heroin, Phenobarbital	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Buprenorphine, Carfentanil	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Buprenorphone, Hydromorphone	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Bupropion, Citalopram, Quetiapine, Tramadol	1	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Bupropion, Cyclobenzaprine, Lorazepam, Mirtazapine, Oxycodone, Tramadol, Venlafaxine, Zolpidem	1	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carfentanil, Chlorpheniramine, Dextromethorphan, Heroin	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carfentanil, Cis/Trans-3-Methylfentanyl	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carfentanil, Citalopram, Cocaine, Cyclobenzaprine	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Carfentanil, Citalopram, Fentanyl, Oxycodone	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carfentanil, Clonazepam, Fentanyl, Fluoxetine, Methadone, Oxycodone, Zolpidem	1	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

MODE - ETHANOL INCIDENCE (continued)

TABLE 14

Mode	Total	Total		Cleveland		County		Out of County		Unknown		Not Tested		Tested Total		Tested Negative		Tested Positive		Stages 0.01% - 0.04%		0.05% - 0.08%		0.09% - 0.14%		0.15% - 0.19%		0.20% - 0.24%		0.25% - 0.29%		0.30% or Over	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Carfentanil, Clonazepam, Gabapentin	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Carfentanil, Clonazepam, Heroin	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carfentanil, Cocaine	5	3	2	2	2	1	0	0	0	0	0	0	0	3	2	3	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Carfentanil, Cocaine, Cyclopropyl Fentanyl, Fentanyl, Heroin, Tramadol	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carfentanil, Cocaine, Diazepam	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Carfentanil, Cocaine, Fentanyl	2	2	0	2	0	0	0	0	0	0	0	0	0	2	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Carfentanil, Cocaine, Fentanyl, Heroin	6	2	4	1	4	1	0	0	0	0	0	0	0	1	4	2	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carfentanil, Cocaine, Fentanyl, Oxycodone	1	0	1	0	1	0	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carfentanil, Cocaine, Fluoxetine, Hydrocodone	1	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carfentanil, Cocaine, Heroin	4	3	1	3	1	0	0	0	0	0	0	0	0	3	1	2	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Carfentanil, Cocaine, Heroin, Oxycodone	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carfentanil, Cocaine, Methamphetamine	1	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carfentanil, Cocaine, Mirtazapine, Venlafaxine	1	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carfentanil, Cocaine, Phencyclidine	1	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carfentanil, Cyclopropyl Fentanyl, Fentanyl, Heroin, Methoxyacetylfentanyl	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carfentanil, Cyclopropyl, Fentanyl, Heroin, Methamphetamine	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carfentanil, Diazepam, Diphenhydramine, Heroin, Oxycodone	1	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carfentanil, Diazepam, Fentanyl, Trazodone	1	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carfentanil, Diazepam, Heroin	2	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carfentanil, Diazepam, Heroin, Morphine	1	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carfentanil, Diphenhydramine	3	2	1	0	1	2	0	0	0	0	0	0	0	2	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Carfentanil, Diphenhydramine, Heroin	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carfentanil, Fentanyl	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carfentanil, Fentanyl, Furanyl Fentanyl	1	1	0	0	0	0	0	1	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carfentanil, Fentanyl, Heroin	12	10	2	7	0	3	2	0	0	0	0	0	0	10	2	8	2	2	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0
Carfentanil, Fentanyl, Heroin, Methamphetamine	2	0	2	0	1	0	1	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carfentanil, Fentanyl, Heroin, Oxazepam	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carfentanil, Fentanyl, Methadone	1	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carfentanil, Fentanyl, Trazodone	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 14 MODE - ETHANOL INCIDENCE (continued)

Mode	Total	Total		Cleveland		County		Out of County		Unknown		Not Tested		Tested: Total		Tested: Negative		Tested: Positive		Stages: 0.01% - 0.04%		Stages: 0.05% - 0.08%		Stages: 0.09% - 0.14%		Stages: 0.15% - 0.19%		Stages: 0.20% - 0.24%		Stages: 0.25% - 0.29%		Stages: 0.30% or Over	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Carfentanil, Heroin	3	2	1	2	1	0	0	0	0	0	0	0	0	2	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Carfentanil, Heroin, Methamphetamine	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carfentanil, Heroin, Methoxyacetylfentanyl	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carfentanil, Heroin, Promethazine	1	0	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carfentanil, Heroin, Tramadol	1	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carfentanil, Methamphetamine	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Carisoprodol, Cocaine, Fentanyl, Gabapentin, Heroin	2	0	2	0	0	0	2	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chlordiazepoxide, Lorazepam, Paroxetine, Promethazine, Tramadol	1	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0
Cis/Trans-3-Methylfentanyl, Citalopram, Cyclobenzaprine, Heroin	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Citalopram, Cocaine, Fentanyl, Norfentanyl	1	0	1	0	1	0	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Citalopram, Cocaine, Fentanyl, Tramadol	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Citalopram, Gabapentin, Tramadol, Venlafaxine, Zolpidem	1	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Citalopram, Heroin, Pregabalin	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Clonazepam, Cocaine, Cyclopropyl Fentanyl, Methoxyacetylfentanyl, Oxycodone	1	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Clonazepam, Diazepam, Gabapentin, Morphine	1	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cocaine, Codeine, Fentanyl, Heroin	2	1	1	1	0	0	1	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cocaine, Cyclobenzaprine, Fentanyl, Heroin, Hydrocodone	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cocaine, Cyclopropyl Fentanyl	2	2	0	0	0	2	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cocaine, Cyclopropyl Fentanyl, Fentanyl, Heroin, Methamphetamine, Methoxyacetylfentanyl	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cocaine, Cyclopropyl Fentanyl, Fentanyl, Heroin, Methoxyacetylfentanyl	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cocaine, Cyclopropyl Fentanyl, Fentanyl, Methamphetamine	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cocaine, Cyclopropyl Fentanyl, Fentanyl, Methoxyacetylfentanyl, U-48800	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cocaine, Cyclopropyl Fentanyl, Methoxyacetylfentanyl	1	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cocaine, Dextromethorphan, Fentanyl, Gabapentin, Hydrocodone	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cocaine, Diazepam, Fentanyl	1	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cocaine, Diphenhydramine, Fentanyl, Heroin	1	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cocaine, Diphenhydramine, Fentanyl, Heroin, Venlafaxine	1	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cocaine, Fentanyl	13	12	1	10	1	2	0	0	0	0	0	0	0	12	1	8	1	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0

MODE - ETHANOL INCIDENCE (continued)

TABLE 14

Mode	Total	Total		Cleveland		County		Out of County		Unknown		Not Tested		Tested Total		Tested Negative		Tested Positive		Stages 0.01% - 0.04%		Stages 0.05% - 0.08%		Stages 0.09% - 0.14%		Stages 0.15% - 0.19%		Stages 0.20% - 0.24%		Stages 0.25% - 0.29%		Stages 0.30% or Over	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Cocaine, Fentanyl, Gabapentin	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Cocaine, Fentanyl, Heroin	8	5	3	3	3	2	0	0	0	0	0	0	0	5	3	4	3	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Cocaine, Fentanyl, Heroin, Phencyclidine	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cocaine, Fentanyl, Heroin, Phenobarbital	1	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cocaine, Fentanyl, Methenolone, Trenbolone	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cocaine, Fentanyl, Mitragynine	1	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cocaine, Fentanyl, Morphine	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Cocaine, Fentanyl, Oxycodone	1	0	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cocaine, Heroin	4	0	4	0	3	0	0	0	0	0	1	0	1	0	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cocaine, Hydrocodone	1	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cocaine, Opiate	1	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cocaine, Oxycodone	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Codeine, Fentanyl	1	0	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyclobenzaprine, Diphenhydramine, Gabapentin, Sertraline, Tramadol	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyclobenzaprine, Diphenhydramine, Quetiapine, Sertraline, Trazodone	1	0	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyclobenzaprine, Doxepin	1	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyclobenzaprine, Heroin, Hydrocodone, Lorazepam, Oxycodone	1	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyclopropyl Fentanyl, Fentanyl, Heroin, Methamphetamine	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyclopropyl Fentanyl, Fentanyl, Heroin, Methoxyacetylfentanyl	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyclopropyl/Crotonyl Fentanyl, Heroin	1	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dextromethorphan, Fentanyl, Heroin	1	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diazepam, Fentanyl	2	1	1	0	1	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diazepam, Fentanyl, Heroin	2	2	0	0	0	2	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diazepam, Fentanyl, Morphine, Oxycodone, Tramadol	1	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diphenhydramine, Fentanyl, Heroin	2	1	1	1	0	0	1	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diphenhydramine, Olanzapine, Zolpidem	1	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fentanyl, Gabapentin, Morphine	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Fentanyl, Heroin	17	15	2	9	1	6	1	0	0	0	0	2	0	13	2	12	2	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Fentanyl, Heroin, Methamphetamine	1	1	0	0	0	0	0	1	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fentanyl, Heroin, Methamphetamine, Oxycodone	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 14

MODE - ETHANOL INCIDENCE (continued)

Mode	Total	Total		Cleveland		County		Out of County		Unknown		Not Tested		Tested Total		Tested Negative		Tested Positive		Stages 0.01% - 0.04%		0.05% - 0.08%		0.09% - 0.14%		0.15% - 0.19%		0.20% - 0.24%		0.25% - 0.29%		0.30% or Over	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Fentanyl, Heroin, Methoxy-acetylfentanyl	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Fentanyl, Heroin, Norfentanyl	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fentanyl, Heroin, Sertraline	1	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fentanyl, Hydroxyzine, Methadone, Promethazine	1	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fentanyl, Methamphetamine	2	1	1	0	0	1	0	0	1	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fentanyl, Morphine, Oxycodone	1	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fentanyl, Nordiazepam	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fentanyl, Oxycodone	1	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fentanyl, Sertraline	1	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Heroin, Oxycodone	1	0	1	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Morphine, Propofol	1	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Combined Effects of Ethanol & Single/Multiple Chemical Agents:																																	
2-Furanyl Fentanyl	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
4-Methylfentanyl, Buprenorphine, Cocaine	1	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Acetaminophen, Diazepam, Gabapentin, Hydrocodone, Venlafaxine	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Acetyl Fentanyl, Acrylfentanyl, Diphenhydramine, Fentanyl	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Acetyl Fentanyl, Carfentanil, Cocaine, Fentanyl	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acetyl Fentanyl, Cocaine, Fentanyl	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Acetyl Fentanyl, Cocaine, Fentanyl, Heroin	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acetyl Fentanyl, Cocaine, Fentanyl, Mirtazapine, Oxycodone	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Acetyl Fentanyl, Fentanyl	2	2	0	1	0	1	0	0	0	0	0	1	0	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Acetyl Fentanyl, Fentanyl, Heroin	2	2	0	1	0	1	0	0	0	0	0	0	0	2	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
Acrylfentanyl	2	1	1	1	1	0	0	0	0	0	0	0	0	1	1	0	0	1	1	0	0	0	0	0	1	0	0	1	0	0	0	0	0
Acrylfentanyl, Buprenorphine, Cocaine	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Acrylfentanyl, Cocaine, Fentanyl, Heroin	1	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alprazolam, Carfentanil, Cocaine, Fentanyl, Trazodone	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Alprazolam, Cocaine, Tramadol	1	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Alprazolam, Dextromethorphan, Fluoxetine, Oxycodone	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Alprazolam, Fentanyl	1	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Alprazolam, Fentanyl, Heroin, Oxycodone	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0

MODE - ETHANOL INCIDENCE (continued)

TABLE 14

Mode	Total	Total		Cleveland		County		Out of County		Unknown		Not Tested		Tested: Total		Tested: Negative		Tested: Positive		Stages: 0.01% - 0.04%		Stages: 0.05% - 0.08%		Stages: 0.09% - 0.14%		Stages: 0.15% - 0.19%		Stages: 0.20% - 0.24%		Stages: 0.25% - 0.29%		Stages: 0.30% or Over	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Amitriptyline, Diphenhydramine, Fentanyl, Heroin	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Amphetamine, Carfentanil	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Amphetamine, Carfentanil, Cocaine, Fluoxetine, Pregabalin, Quetiapine, Zolpidem	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Amphetamine, Carfentanil, Diphenhydramine	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Amphetamine, Cocaine, Fentanyl, Heroin	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Benzodiazepines, Carfentanil	1	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Benzodiazepines, Opioid	1	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bupropion, Clonazepam, Furanyl Fentanyl, Hydroxyzine, Lamotrigine, Quetiapine	1	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Carfentanil	2	1	1	1	1	0	0	0	0	0	0	0	0	1	1	0	0	1	1	0	0	1	0	0	0	0	1	0	0	0	0	0	0
Carfentanil, Citalopram, Heroin	1	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Carfentanil, Cocaine	4	3	1	2	0	1	1	0	0	0	0	0	0	3	1	0	0	3	1	1	1	0	0	1	0	1	0	0	0	0	0	0	0
Carfentanil, Cocaine, Cyclopropyl Fentanyl, Fentanyl, Heroin	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Carfentanil, Cocaine, Fentanyl	2	2	0	2	0	0	0	0	0	0	0	0	0	2	0	0	0	2	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0
Carfentanil, Cocaine, Fentanyl, Heroin	2	2	0	2	0	0	0	0	0	0	0	0	0	2	0	0	0	2	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0
Carfentanil, Cocaine, Fentanyl, Sertraline	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Carfentanil, Cocaine, Heroin	3	1	2	0	2	1	0	0	0	0	0	0	0	1	2	0	0	1	2	0	1	1	1	0	0	0	0	0	0	0	0	0	0
Carfentanil, Dextromethorphan	1	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Carfentanil, Diphenhydramine, Gabapentin	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Carfentanil, Fentanyl	3	2	1	2	1	0	0	0	0	0	0	0	0	2	1	0	0	2	1	0	0	0	0	1	0	1	1	0	0	0	0	0	0
Carfentanil, Fentanyl, Fluoxetine	1	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Carfentanil, Fentanyl, Heroin, Norfentanyl	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Carfentanil, Heroin	1	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Chlorpheniramine, Dextromethorphan, Doxylamine, Zolpidem	1	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Citalopram	2	0	2	0	0	0	2	0	0	0	0	0	1	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Citalopram, Cocaine	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Citalopram, Cocaine, Fentanyl, Heroin, Imipramine	1	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Clonazepam, Cocaine, Cyclobenzaprine, Diphenhydramine, Fentanyl	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Cocaine	7	6	1	5	1	1	0	0	0	0	0	1	0	5	1	0	0	5	1	3	0	0	0	0	0	2	1	0	0	0	0	0	0
Cocaine, Cyclopropyl Fentanyl, Fentanyl, Methoxyacetylfentanyl	1	0	1	0	1	1	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 14 MODE - ETHANOL INCIDENCE (continued)

Mode	Total	Total		Cleveland		County		Out of County		Un-known		Not Tested		Tested Total		Tested Negative		Tested Positive		Stages 0.01% - 0.04%		0.05% - 0.08%		0.09% - 0.14%		0.15% - 0.19%		0.20% - 0.24%		0.25% - 0.29%		0.30% or Over	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Cocaine, Dextromethorphan, Fentanyl	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Cocaine, Fentanyl	7	5	2	4	1	1	1	0	0	0	0	1	0	4	2	0	1	4	1	1	1	1	0	1	0	0	0	1	0	0	0	0	0
Cocaine, Fentanyl, Heroin	4	4	0	3	0	1	0	0	0	0	0	0	0	4	0	0	0	4	0	2	0	1	0	0	0	0	0	1	0	0	0	0	0
Cocaine, Fentanyl, Hydrocodone	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Cocaine, Furanyl Fentanyl	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Cocaine, Methadone	1	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cocaine, Zolpidem	2	2	0	0	0	2	0	0	0	0	0	0	0	2	0	0	0	2	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0
Cyclobenzaprine, Fentanyl, Heroin	1	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diazepam	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Diazepam, Fentanyl, Heroin	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Diazepam, Oxycodone	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Diphenhydramine, Fentanyl	2	2	0	2	0	0	0	0	0	0	0	0	0	2	0	0	0	2	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
Doxepin, Fentanyl, Morphine, Tramadol	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Doxylamine	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Fentanyl	7	4	3	2	2	2	1	0	0	0	0	1	0	3	3	0	0	3	3	1	0	1	1	1	1	0	0	0	0	0	0	0	1
Fentanyl, Furanyl Fentanyl, Heroin, Tramadol	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Fentanyl, Heroin	10	8	2	6	1	2	1	0	0	0	0	1	0	7	2	0	0	7	0	3	2	0	0	3	0	1	0	0	0	0	0	0	0
Fentanyl, Morphine	1	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Furanyl Fentanyl	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Gabapentin, Hydromorphone	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Heroin	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	2	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Methadone	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Olanzapine, Opiates	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Opioids	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Oxycodone	1	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Total	487	330	157	215	82	108	66	7	8	0	1	21	14	309	143	199	106	110	37	44	16	24	4	21	5	9	8	6	1	1	1	5	2

MODE - AGE GROUPS

TABLE 15

Mode	< Than 1		1-4		5-9		10-14		15-19		20-24		25-29		30-34		35-39		40-44		45-49		50-54		55-59		60-64		65-69		70-74		75-79		80 and Over		Total		Grand Total
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
Asphyxia	0	5	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	1	0	0	1	1	0	1	0	1	0	2	1	8	9	17
Burning	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	1	0	1	1	1	1	0	0	0	0	0	0	2	3	6	9
Carbon Monoxide	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	1	1	0	1	1	1	2	0	0	1	0	0	0	2	2	9	7	16
Exposure	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	2	1	3
Falling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	2	0	5	4	10	4	14	5	12	15	16	13	105	121	166	162	328
Miscellaneous	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	2	0	0	0	0	1	0	0	3	1	6	4	10
Poisoning	0	0	0	0	0	0	0	0	4	0	13	7	24	10	35	17	40	14	32	15	27	18	58	30	50	26	31	16	14	4	1	0	1	0	0	0	330	157	487
Undetermined	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	2	0	1	1	0	0	3	4	8	5	13
Total	**0**	**6**	**1**	**1**	**1**	**1**	**0**	**0**	**4**	**0**	**13**	**8**	**24**	**10**	**36**	**17**	**41**	**15**	**36**	**15**	**28**	**20**	**63**	**31**	**58**	**32**	**45**	**24**	**32**	**9**	**16**	**17**	**18**	**13**	**116**	**132**	**532**	**351**	**883**

TABLE 16 FALLS - ETHANOL INCIDENCE

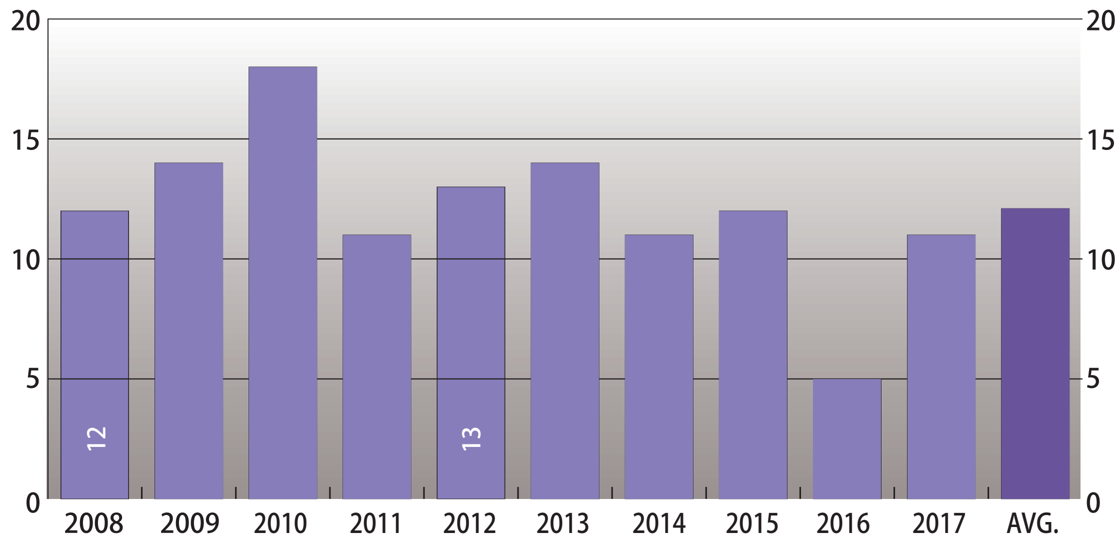
		Total		Not Tested		Tested						Stages													
						Total		Negative		Positive		0.01% - 0.04%		0.05% - 0.08%		0.09% - 0.14%		0.15% - 0.19%		0.20% - 0.24%		0.25% - 0.29%		0.30% or Over	
Falls by Type	Total	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Fall From One Level to Another	7	4	3	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fall On or From Ladder or Scaffolding	2	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fall On or From Stairs or Steps	42	28	14	22	10	6	4	2	2	4	2	1	0	0	0	1	0	0	0	0	1	2	0	0	1
Fall On Same Level	264	122	142	114	139	8	3	3	3	5	0	1	0	1	0	0	0	1	0	0	0	1	0	1	0
Other and Unspecified Fall	13	10	3	9	3	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Total	328	166	162	151	155	15	7	5	5	10	2	2	0	2	0	1	0	1	0	0	1	3	0	1	1

FALLS - AGE GROUPS

TABLE 17

Falls by Type	< Than 1		1-4		5-9		10-14		15-19		20-24		25-29		30-34		35-39		40-44		45-49		50-54		55-59		60-64		65-69		70-74		75-79		80 and Over		Total		Grand Total
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
Fall From One Level to Another	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	4	2	4	3	7
Fall On or From Ladder or Scaffolding	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	2	0	2
Fall On or From Stairs or Steps	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	2	1	3	0	3	0	2	3	3	1	13	9	28	14	42
Fall On Same Level	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	3	2	6	4	10	5	10	11	12	12	80	108	122	142	264
Other and Unspecified Fall	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	8	2	10	3	13
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	2	0	5	4	10	4	14	5	12	15	16	13	105	121	166	162	328

2017 FATALITIES RESULTING FROM ACCIDENTS WHILE AT WORK
FOR A PERIOD OF TEN YEARS

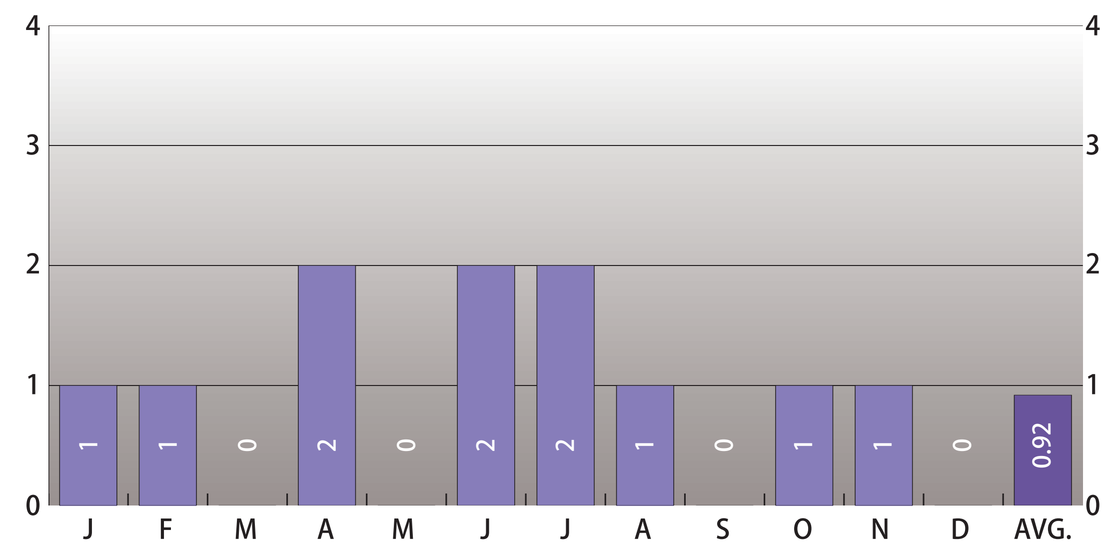


2017

TOTAL CASES

11

2017 FATALITIES RESULTING FROM ACCIDENTS WHILE AT WORK
BY MONTH FOR THE YEAR 2017



		Number	Percent
Gender	Male	10	0.91
	Female	1	0.09
Race	White	10	0.91
	Black	1	0.09
Ethnicity	Hispanic	1	0.09
	Non-Hispanic	10	0.91
Ethanol	Tested	7	0.64
	Positive	1	0.09
Autopsied		4	0.36

DEATHS RESULTING FROM ACCIDENTS AND ACCIDENTAL FALLS WHILE AT WORK FOR A PERIOD OF TEN YEARS

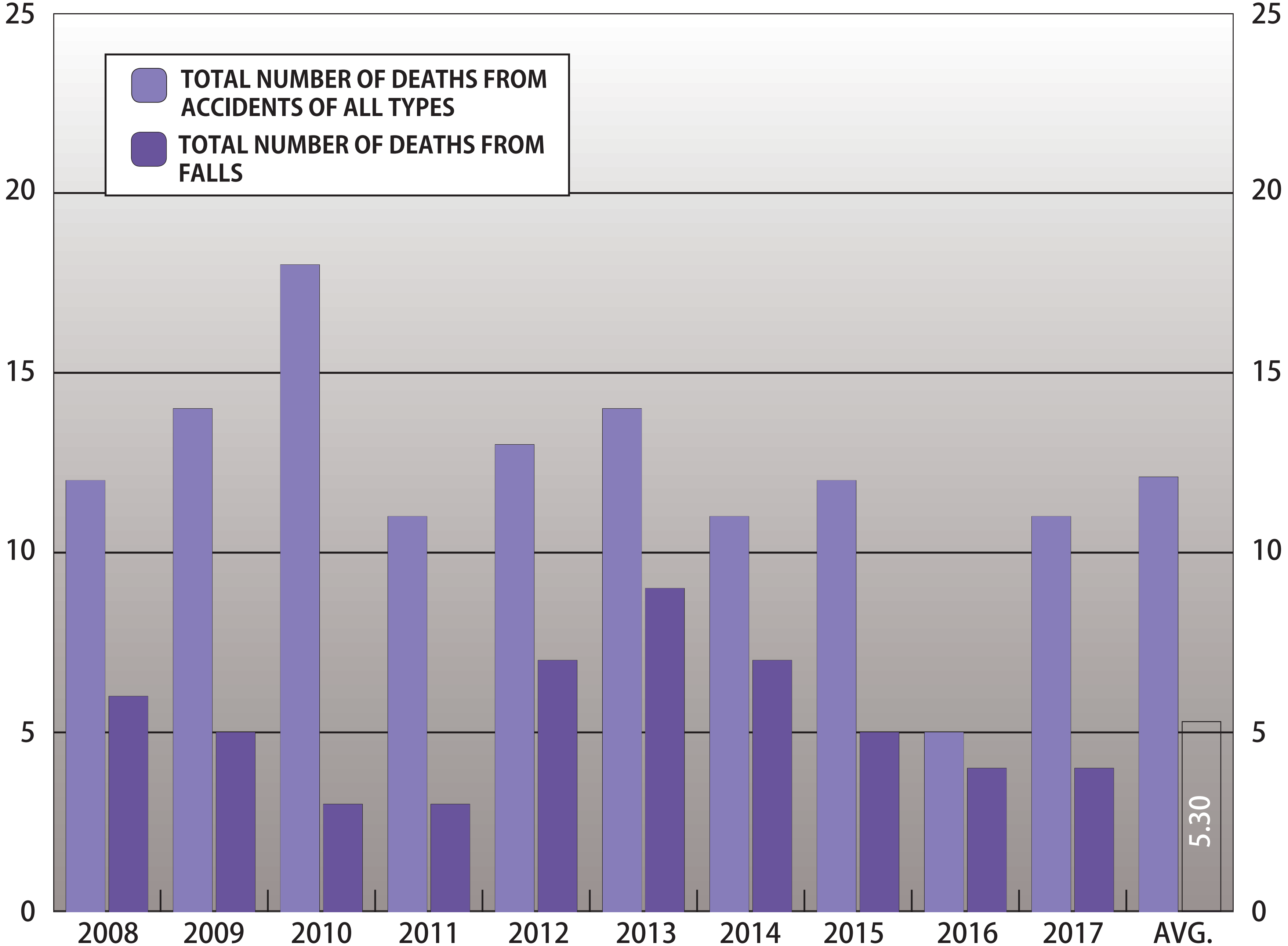


TABLE 18

MONTHLY ETHANOL INCIDENCE

												Not Tested		Tested						Stages													
		Total		Cleveland		County		Out of County		Unknown				Total		Negative		Positive		0.01% - 0.04%		0.05% - 0.08%		0.09% - 0.14%		0.15% - 0.19%		0.20% - 0.24%		0.25% - 0.29%		0.30% or Over	
Month	Total	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Jan.	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Feb.	1	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mar.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Apr.	2	2	0	0	0	1	0	1	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Jun.	2	2	0	1	0	0	0	0	0	1	0	1	0	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
July	2	2	0	1	0	0	0	1	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aug.	1	1	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sept.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oct.	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nov.	1	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dec.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**11**	**10**	**1**	**3**	**1**	**3**	**0**	**3**	**0**	**1**	**0**	**4**	**0**	**6**	**1**	**5**	**1**	**1**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

AGE - RACE - ETHNICITY - ETHANOL INCIDENCE

TABLE 19

			Ethnicity		Not Tested		Tested						Stages													
							Total		Negative		Positive		0.01% - 0.04%		0.05% - 0.08%		0.09% - 0.14%		0.15% - 0.19%		0.20% - 0.24%		0.25% - 0.29%		0.30% or Over	
Age	Race	Total	Hispanic	Non-Hispanic	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
13 and Under	White	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 - 17	White	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 - 19	White	1	1	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 - 24	White	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 - 29	White	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 - 34	White	2	0	2	0	0	2	0	1	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
	Black	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 - 39	White	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 - 44	White	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 - 49	White	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 - 54	White	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	1	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55 - 59	White	2	0	2	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60 - 64	White	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65 - 69	White	2	0	2	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70 and Over	White	2	0	2	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	White	10	1	9	4	0	5	1	4	0	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0
	Black	1	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total		**11**	**1**	**10**	**4**	**0**	**6**	**1**	**5**	**0**	**1**	**1**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

TABLE 20

MODE - ETHANOL INCIDENCE

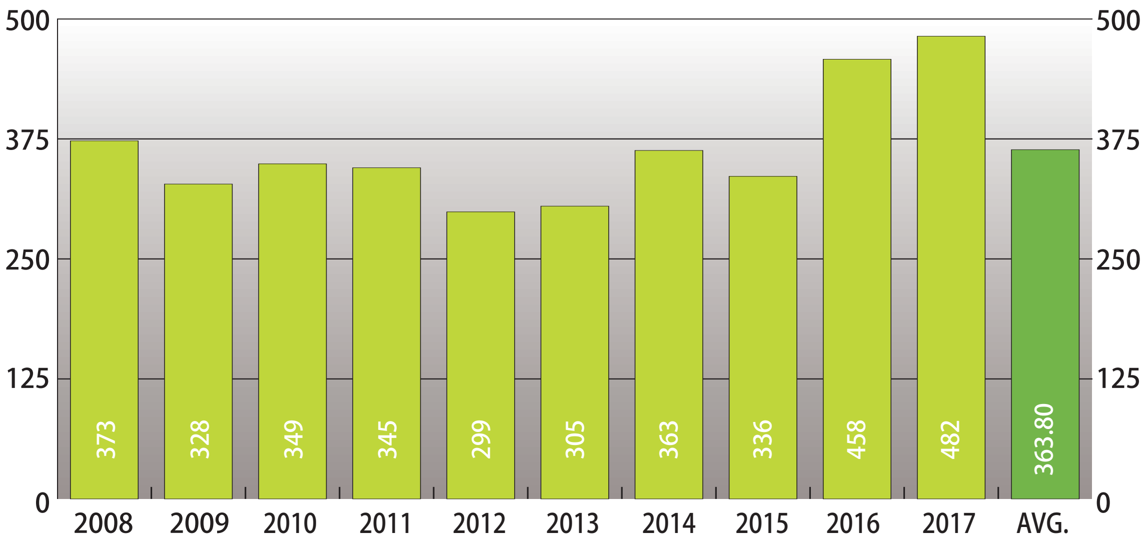
												Not Tested		Tested						Stages													
		Total		Cleveland		County		Out of County		Unknown				Total		Negative		Positive		0.01% - 0.04%		0.05% - 0.08%		0.09% - 0.14%		0.15% - 0.19%		0.20% - 0.24%		0.25% - 0.29%		0.30% or Over	
Mode	**Total**	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Falling: Fall From or Out of Building or Other Structure	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fall On or From Ladder or Scaffolding	3	3	0	0	0	1	0	2	0	0	0	2	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Others: Burning, Fire/Explosion	1	1	0	0	0	0	0	1	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electrocution, Power Line	1	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous Accident	1	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Poisoning, Buprenorphine, Clonazepam, Fentanyl, Heroin	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Poisoning, Ethanol, Carfentanil, Citalopram	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Struck By Object, Train	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Struck by Object, Truck	1	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	11	10	1	3	1	3	0	3	0	1	0	4	0	6	1	5	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0

MODE - AGE GROUPS

TABLE 21

Mode	13 and Under		14-17		18-19		20-24		25-29		30-34		35-39		40-44		45-49		50-54		55-59		60-64		65-69		70 and Over		Total		Grand Total
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
Falling: Fall From or Out of Building or Other Structure	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1
Fall On or From Ladder or Scaffolding	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	1	0	3	0	3
Others: Burning, Fire/Explosion	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
Electrocution, Power Line	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1
Miscellaneous Accident	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	1
Poisoning, Buprenorphine, Clonazepam, Fentanyl, Heroin	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Poisoning, Ethanol, Carfentanil, Citalopram	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Struck By Object, Train	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	1
Struck by Object, Truck	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Total	0	0	0	0	0	1	0	0	0	0	2	0	0	0	0	0	0	0	2	0	2	0	0	0	2	0	2	0	10	1	11

2017 FATALITIES RESULTING FROM ACCIDENTS IN OTHER PLACES
FOR A PERIOD OF TEN YEARS

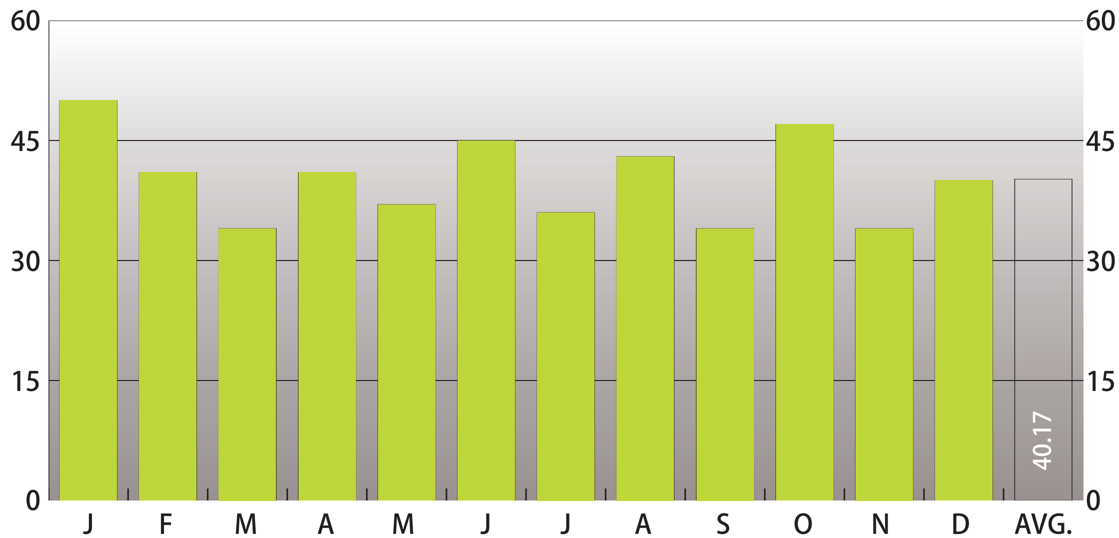


2017

TOTAL CASES

482

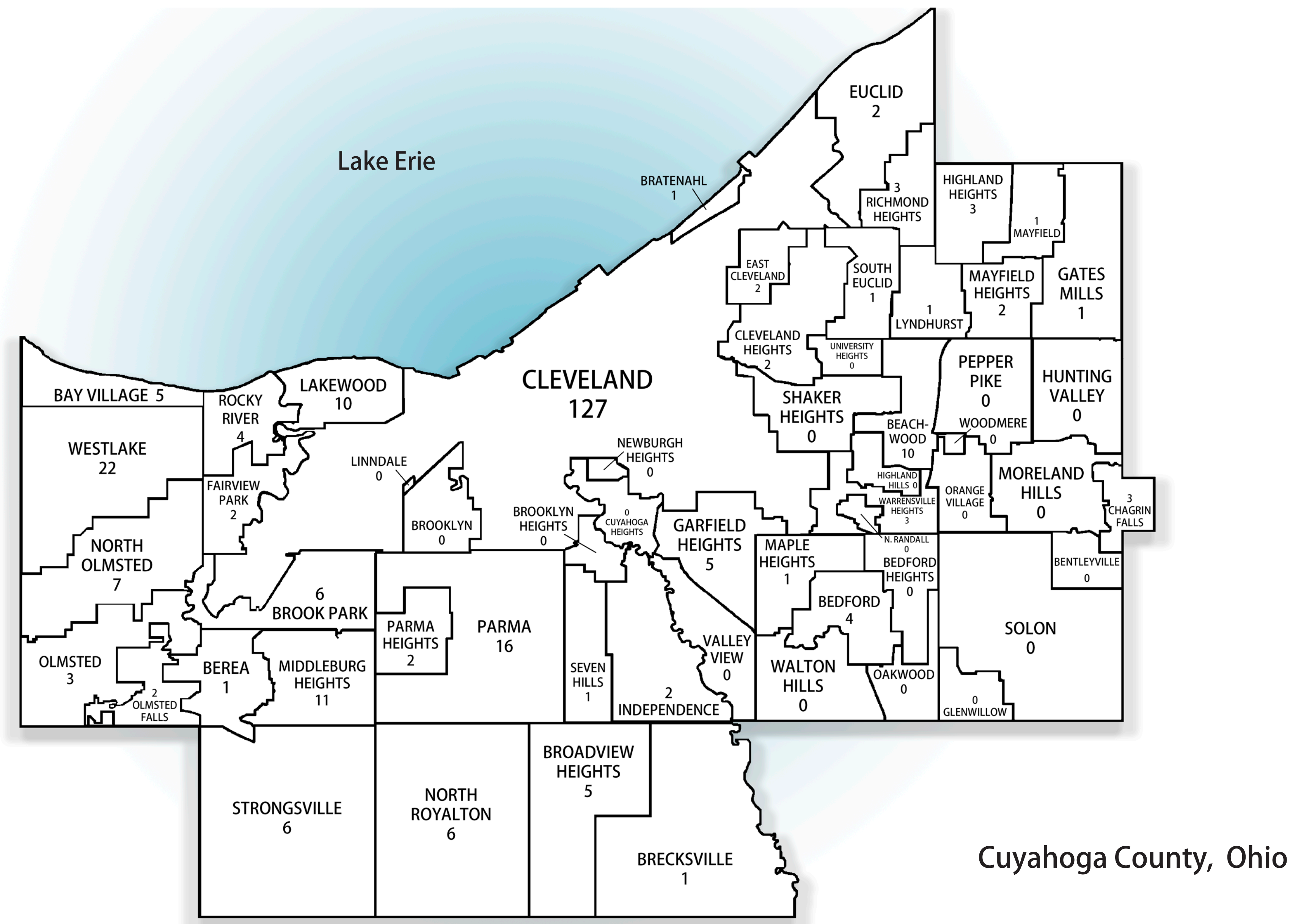
2017 FATALITIES RESULTING FROM ACCIDENTS IN OTHER PLACES
BY MONTH FOR THE YEAR 2017



		Number	Percent
Gender	Male	277	0.57
	Female	205	0.43
Race	White	378	0.78
	Black	100	0.21
	Asian	3	0.01
	Nat. HI/Pac. Isl.	1	<0.00
Ethnicity	Hispanic	18	0.04
	Non-Hispanic	464	0.96
Ethanol	Tested	177	0.37
	Positive	68	0.14
Autopsied		176	0.37

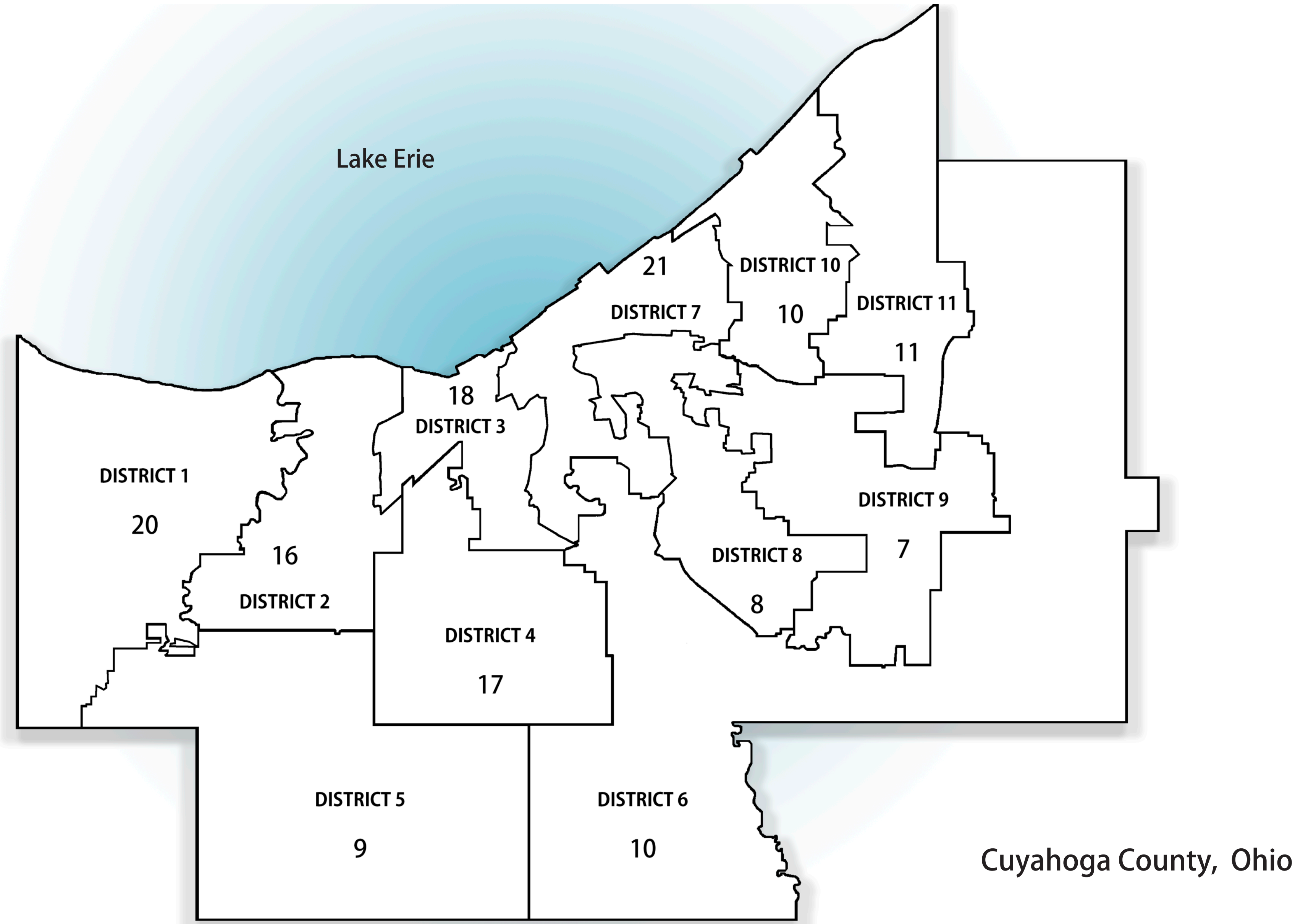
DISTRIBUTION OF FATALITIES FROM ACCIDENTS IN OTHER PLACES BY CITY

MAP 3A



*Injury location is unknown for 134 cases and 64 cases are from outside of Cuyahoga County.

MAP 3B DISTRIBUTION OF FATALITIES FROM ACCIDENTS IN OTHER PLACES BY COUNCIL DISTRICT



*Injury location is unknown for 134 cases and 64 cases are from outside of Cuyahoga County. Council district was undetermined and/or not analyzed for 148 cases.

DEATHS RESULTING FROM ACCIDENTS AND ACCIDENTAL FALLS IN OTHER PLACES FOR A PERIOD OF TEN YEARS

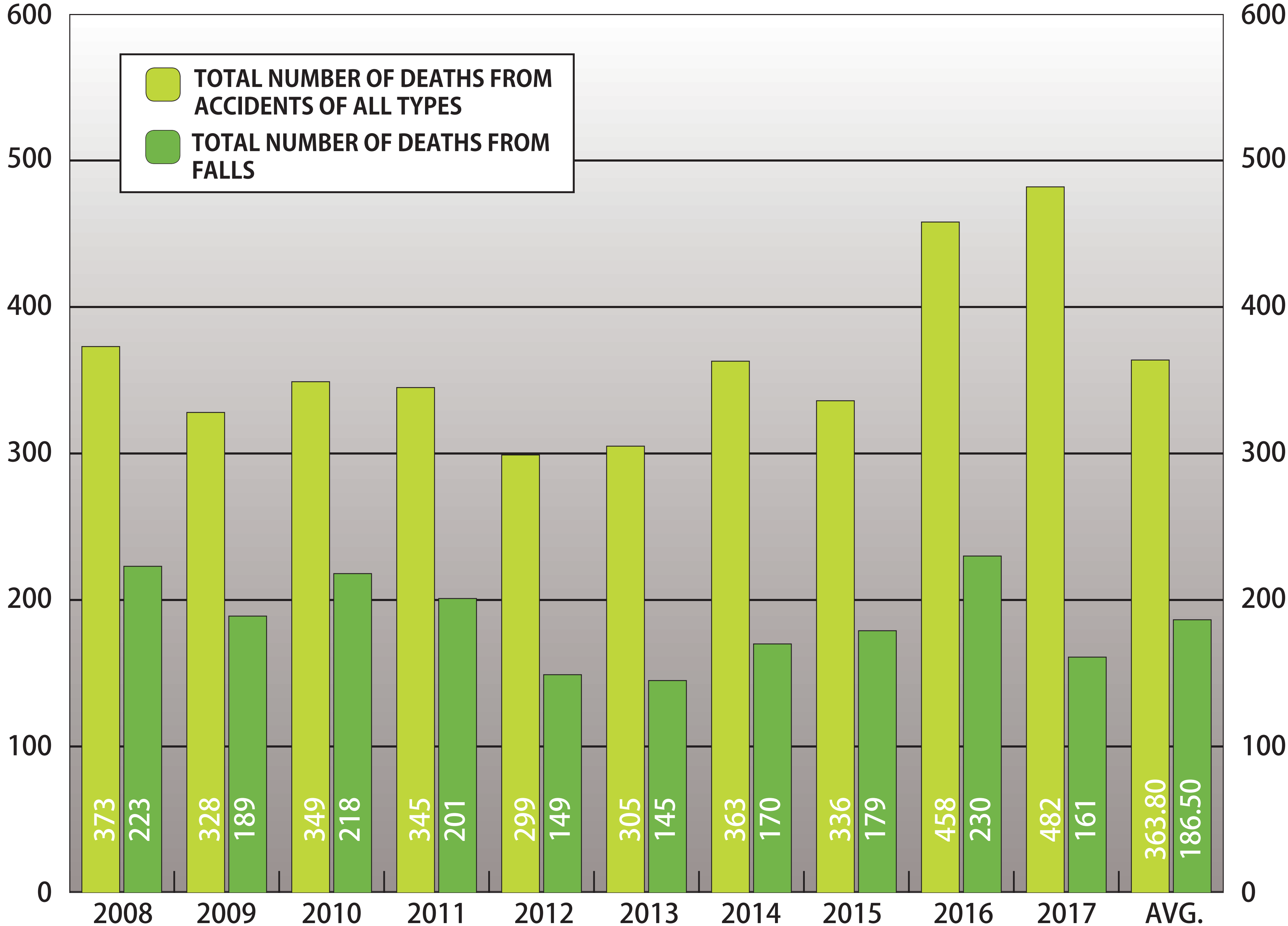


TABLE 22

MONTHLY ETHANOL INCIDENCE

		Total		Cleveland		County		Out of County		Unknown		Not Tested		Tested						Stages													
														Total		Negative		Positive		0.01% - 0.04%		0.05% - 0.08%		0.09% - 0.14%		0.15% - 0.19%		0.20% - 0.24%		0.25% - 0.29%		0.30% or Over	
Month	**Total**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**
Jan.	50	34	16	15	2	7	9	2	2	10	3	18	12	16	4	10	3	6	1	4	1	0	0	0	0	0	0	1	0	1	0	1	0
Feb.	41	23	18	4	2	6	9	4	1	9	6	14	14	9	4	1	3	8	1	1	1	3	0	3	0	0	0	0	0	0	0	0	0
Mar.	34	20	14	5	1	8	5	3	3	4	5	14	10	6	4	3	3	3	1	0	0	0	0	1	0	1	0	0	1	1	0	1	0
Apr.	41	27	14	7	1	6	7	6	1	8	5	15	11	12	3	7	1	5	2	0	1	0	0	4	0	0	1	1	0	0	0	0	0
May	37	19	18	3	7	5	6	2	4	9	1	5	14	14	4	7	2	7	2	2	2	1	0	1	0	1	0	0	0	1	0	1	0
Jun.	45	23	22	7	7	5	9	3	1	8	5	6	17	17	5	9	5	8	0	1	0	1	0	2	0	1	0	3	0	0	0	0	0
July	36	20	16	9	2	6	8	1	3	4	3	10	14	10	2	7	2	3	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0
Aug.	43	33	10	17	5	6	3	6	0	4	2	13	9	20	1	14	0	6	1	4	0	0	0	0	1	1	0	0	0	1	0	1	0
Sept.	34	24	10	4	0	7	3	3	3	10	4	12	10	12	0	6	0	6	0	4	0	0	0	1	0	0	0	1	0	0	0	0	0
Oct.	47	18	29	2	6	7	14	4	3	5	6	10	23	8	6	6	5	2	1	1	0	0	0	0	1	0	0	1	0	0	0	0	0
Nov.	34	14	20	5	4	2	8	0	4	7	4	7	18	7	2	4	2	3	0	1	0	1	0	0	0	0	0	1	0	0	0	0	0
Dec.	40	22	18	9	3	2	9	2	3	9	3	14	15	8	3	7	2	1	1	0	0	1	0	0	1	0	0	0	0	0	0	0	0
Total	**482**	**277**	**205**	**87**	**40**	**67**	**90**	**36**	**28**	**87**	**47**	**138**	**167**	**139**	**38**	**81**	**28**	**58**	**10**	**19**	**5**	**7**	**0**	**13**	**3**	**5**	**1**	**8**	**1**	**4**	**0**	**4**	**0**

AGE - RACE - ETHNICITY - ETHANOL INCIDENCE

TABLE 23

					Not Tested		Tested						Stages													
			Ethnicity				Total		Negative		Positive		0.01% - 0.04%		0.05% - 0.08%		0.09% - 0.14%		0.15% - 0.19%		0.20% - 0.24%		0.25% - 0.29%		0.30% or Over	
Age	Race	Total	Hispanic	Non-Hispanic	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Under 1 Year	White	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	2	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Nat. HI/Pac. Isl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1 - 4	White	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	1	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Nat. HI/Pac. Isl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 - 9	White	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	1	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Nat. HI/Pac. Isl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 - 14	White	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Nat. HI/Pac. Isl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 23

AGE - RACE - ETHNICITY - ETHANOL INCIDENCE (continued)

			Ethnicity		Not Tested		Tested						Stages													
							Total		Negative		Positive		0.01% - 0.04%		0.05% - 0.08%		0.09% - 0.14%		0.15% - 0.19%		0.20% - 0.24%		0.25% - 0.29%		0.30% or Over	
Age	Race	Total	Hispanic	Non-Hispanic	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
15 - 19	White	3	0	3	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	3	0	3	0	1	1	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Nat. HI/Pac. Isl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 - 24	White	9	0	9	1	1	4	3	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Nat. HI/Pac. Isl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 -2 9	White	18	2	16	1	0	15	2	12	1	3	1	0	0	2	0	0	1	0	0	1	0	0	0	0	0
	Black	2	0	2	0	0	2	0	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Nat. HI/Pac. Isl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 - 34	White	20	1	19	2	1	14	3	10	2	4	1	0	1	1	0	2	0	1	0	0	0	0	0	0	0
	Black	5	0	5	0	0	5	0	3	0	2	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Nat. HI/Pac. Isl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

AGE - RACE - ETHNICITY - ETHANOL INCIDENCE (continued)

TABLE 23

			Ethnicity		Not Tested		Tested						Stages													
							Total		Negative		Positive		0.01% - 0.04%		0.05% - 0.08%		0.09% - 0.14%		0.15% - 0.19%		0.20% - 0.24%		0.25% - 0.29%		0.30% or Over	
Age	Race	Total	Hispanic	Non-Hispanic	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
35 - 39	White	9	2	7	1	0	6	2	4	2	2	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0
	Black	7	0	7	2	1	3	1	2	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Nat. HI/Pac. Isl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 - 44	White	21	1	20	5	1	10	5	4	3	6	2	4	0	1	0	0	2	0	0	1	0	0	0	0	0
	Black	8	0	8	1	0	7	0	3	0	4	0	1	0	0	0	1	0	1	0	1	0	0	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Nat. HI/Pac. Isl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 -49	White	23	2	21	4	3	15	1	8	0	7	1	2	1	0	0	4	0	0	0	0	0	0	0	1	0
	Black	10	0	10	1	2	5	2	2	2	3	0	2	0	0	0	0	0	0	0	1	0	0	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Nat. HI/Pac. Isl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 - 54	White	21	2	19	4	2	11	4	3	3	8	1	2	0	2	0	1	0	1	1	0	0	2	0	0	0
	Black	14	0	14	5	0	5	4	5	2	0	2	0	1	0	0	0	0	0	0	0	1	0	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Nat. HI/Pac. Isl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 23

AGE - RACE - ETHNICITY - ETHANOL INCIDENCE (continued)

			Ethnicity		Not Tested		Tested						Stages													
							Total		Negative		Positive		0.01% - 0.04%		0.05% - 0.08%		0.09% - 0.14%		0.15% - 0.19%		0.20% - 0.24%		0.25% - 0.29%		0.30% or Over	
Age	Race	Total	Hispanic	Non-Hispanic	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
55 - 59	White	19	2	17	4	3	10	2	5	2	5	0	1	0	0	0	1	0	0	0	1	0	1	0	1	0
	Black	17	1	16	2	1	12	2	6	1	6	1	3	1	1	0	1	0	0	0	0	0	1	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Nat. HI/Pac. Isl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60 - 64	White	18	1	17	8	3	5	2	4	2	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	6	0	6	2	1	3	0	1	0	2	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Nat. HI/Pac. Isl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65 - 69	White	10	0	10	7	2	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	8	0	8	3	1	3	1	2	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Nat. HI/Pac. Isl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70 - 74	White	14	1	13	9	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	2	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Nat. HI/Pac. Isl	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

AGE - RACE - ETHNICITY - ETHANOL INCIDENCE (continued)

TABLE 23

			Ethnicity		Not Tested		Tested						Stages													
							Total		Negative		Positive		0.01% - 0.04%		0.05% - 0.08%		0.09% - 0.14%		0.15% - 0.19%		0.20% - 0.24%		0.25% - 0.29%		0.30% or Over	
Age	Race	Total	Hispanic	Non-Hispanic	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
75 - 79	White	22	2	20	12	9	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
	Black	2	0	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Asian	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Nat. HI/Pac. Isl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80 and Over	White	168	1	167	50	116	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	12	0	12	3	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Asian	2	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Nat. HI/Pac. Isl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	White	378	17	361	112	148	92	26	55	20	37	6	10	2	6	0	10	3	3	1	3	0	3	0	2	0
	Black	100	1	99	24	17	47	12	26	8	21	4	9	3	1	0	3	0	2	0	5	1	1	0	0	0
	Asian	3	0	3	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Nat. HI/Pac. Isl	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total		**482**	**18**	**464**	**138**	**167**	**139**	**38**	**81**	**28**	**58**	**10**	**19**	**5**	**7**	**0**	**13**	**3**	**5**	**1**	**8**	**1**	**4**	**0**	**2**	**0**

TABLE 24

MODE - ETHANOL INCIDENCE

												Not Tested		Tested						Stages													
		Total		Cleveland		County		Out of County		Unknown				Total		Negative		Positive		0.01% - 0.04%		0.05% - 0.08%		0.09% - 0.14%		0.15% - 0.19%		0.20% - 0.24%		0.25% - 0.29%		0.30% or Over	
Mode	**Total**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**
Asphyxia	22	14	8	3	3	5	4	6	1	0	0	5	7	9	1	1	1	8	0	3	0	0	0	2	0	0	0	1	0	1	0	1	0
Exposure	6	4	2	2	2	0	0	2	0	0	0	2	2	2	0	0	0	2	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0
Falling	242	97	145	18	19	42	82	21	24	16	20	89	142	8	3	3	3	5	0	2	0	1	0	1	0	1	0	0	0	0	0	0	0
Miscellaneous	16	13	3	7	3	1	0	3	0	2	0	9	3	4	0	2	0	2	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0
Poisoning	184	139	45	56	13	18	4	3	3	62	25	26	11	113	34	73	24	40	10	11	5	6	0	10	3	4	1	6	1	2	0	1	0
Undetermined	12	10	2	1	0	1	0	1	0	7	2	7	2	3	0	2	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**482**	**277**	**205**	**87**	**40**	**67**	**90**	**36**	**28**	**87**	**47**	**138**	**167**	**139**	**38**	**81**	**28**	**58**	**10**	**19**	**5**	**7**	**0**	**13**	**3**	**5**	**1**	**8**	**1**	**4**	**0**	**2**	**0**

2017 FATALITIES RESULTING FROM ACCIDENTS IN OTHER PLACES

MODE* - ETHANOL INCIDENCE

TABLE 25

												Not Tested		Tested						Stages													
		Total		Cleveland		County		Out of County		Unknown				Total		Negative		Positive		0.01% - 0.04%		0.05% - 0.08%		0.09% - 0.14%		0.15% - 0.19%		0.20% - 0.24%		0.25% - 0.29%		0.30% or Over	
Mode	**Total**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**
Asphyxia: Bolus of Food	7	3	4	0	2	1	2	2	0	0	0	3	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Drowning	9	8	1	2	0	4	1	2	0	0	0	1	0	7	1	0	1	7	0	2	0	0	0	2	0	0	0	1	0	1	0	1	0
Dysphagia	3	2	1	1	0	0	1	1	0	0	0	0	1	2	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Liquid	1	0	1	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Suffocation	2	1	1	0	1	0	0	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**22**	**14**	**8**	**3**	**3**	**5**	**4**	**6**	**1**	**0**	**0**	**5**	**7**	**9**	**1**	**1**	**1**	**8**	**0**	**3**	**0**	**0**	**0**	**2**	**0**	**0**	**0**	**1**	**0**	**1**	**0**	**1**	**0**
Exposure:																																	
Cold	4	2	2	2	2	0	0	0	0	0	0	0	2	2	0	0	0	2	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0
Heat	2	2	0	0	0	0	0	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**6**	**4**	**2**	**2**	**2**	**0**	**0**	**2**	**0**	**0**	**0**	**2**	**2**	**2**	**0**	**0**	**0**	**2**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**0**

TABLE 26

MODE* - ETHANOL INCIDENCE

Mode	Total	Total		Cleveland		County		Out of County		Unknown		Not Tested		Tested: Total		Tested: Negative		Tested: Positive		Stages: 0.01% - 0.04%		0.05% - 0.08%		0.09% - 0.14%		0.15% - 0.19%		0.20% - 0.24%		0.25% - 0.29%		0.30% or Over	
	Total	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Single Chemical Agent: 1,1-Difluoroethane	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3-Methylfentanyl	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Acetaminophen	1	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carfentanil	5	4	1	2	1	1	0	0	0	1	0	0	0	4	1	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cocaine	30	20	10	9	2	3	0	1	1	7	7	10	4	10	6	10	5	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Ethanol	1	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fentanyl	7	6	1	2	0	1	0	0	0	3	1	1	1	5	0	4	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Heroin	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Methamphetamine	2	1	1	0	0	1	0	0	0	0	1	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Opiate	3	3	0	0	0	1	0	1	0	1	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phencyclidine	2	2	0	1	0	0	0	0	0	1	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Two or More Chemical Agents: Acetyl Fentanyl, Alprazolam, Diphenhydramine, Fentanyl	1	1	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acetyl Fentanyl, Cocaine, Fentanyl, Heroin	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acetyl Fentanyl, Cocaine, Morphine	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acetyl Fentanyl, Fentanyl	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acetyl Fentanyl, Fentanyl, Heroin	2	1	1	1	0	0	0	0	0	0	1	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acrylfentanyl, Fentanyl	1	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alprazolam, Carfentanil	1	1	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alprazolam, Carfentanil, Fentanyl	2	2	0	1	0	0	0	0	0	1	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alprazolam, Carfentanil, Fentanyl, Heroin	1	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alprazolam, Carfentanil, Methamphetamine	1	1	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alprazolam, Cocaine, Heroin, Methamphetamine	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alprazolam, Cyclopropyl Fentanyl, Fentanyl, Heroin, Methoxyacetylfentanyl	1	1	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alprazolam, Fentanyl, Morphine	1	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alprazolam, Methamphetamine, Methylenedioxymethamphetamine	1	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amphetamine, Benzodiazepines, Ephedrine/Pseudoephedrine, Fentanyl, Heroin	1	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amphetamine, Cocaine, Fentanyl	1	1	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Benzodiazepines, Cannabis, Methylenedioxymethamphetamine	1	1	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Benzodiazepines, Cocaine	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Benzodiazepines, Opiates	1	1	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

MODE* - ETHANOL INCIDENCE (continued)

TABLE 26

Mode	Total	Total		Cleveland		County		Out of County		Unknown		Not Tested		Tested: Total		Tested: Negative		Tested: Positive		Stages: 0.01% - 0.04%		Stages: 0.05% - 0.08%		Stages: 0.09% - 0.14%		Stages: 0.15% - 0.19%		Stages: 0.20% - 0.24%		Stages: 0.25% - 0.29%		Stages: 0.30% or Over	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Bupropion, Cocaine, Cyclopropyl Fentanyl, Mirtazapine	1	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carfentanil, Cis/Trans-3-Methyl-fentanyl, Cocaine	1	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carfentanil, Cocaine	2	1	1	0	0	0	0	0	0	1	1	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carfentanil, Cocaine, Diphenhydr-amine	1	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carfentanil, Cocaine, Diphenhydr-amine, Fentanyl	1	1	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carfentanil, Cocaine, Fentanyl, Heroin	3	2	1	0	1	1	0	0	0	1	0	0	0	2	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carfentanil, Cocaine, Heroin	3	3	0	2	0	0	0	0	0	1	0	0	0	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carfentanil, Cocaine, Trazodone	1	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carfentanil, Cyclopropyl Fentanyl, Fentanyl, Heroin	1	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carfentanil, Fentanyl, Heroin	2	1	1	1	0	0	0	0	0	0	1	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carfentanil, Fentanyl, Methoxy-acetylfentanyl	1	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carfentanil, Fentanyl, Nordiaz-epam	1	1	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carfentanil, Heroin	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carfentanil, Heroin, Phenobarbital	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carfentanil, Methamphetamine	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Citalopram, Memantine	1	0	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Clonazepam, Fentanyl, Heroin	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cocaine, Fentanyl	3	3	0	1	0	1	1	0	1	1	1	0	0	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cocaine, Fentanyl, Heroin	5	5	0	3	0	0	0	0	0	2	0	0	0	5	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cocaine, Fentanyl, Heroin, Phe-nobarbital	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cocaine, Fentanyl, Morphine, Oxycodone	1	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cocaine, Fentanyl, Opiates	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cocaine, Furanyl Fentanyl	2	1	1	0	0	0	0	0	0	1	1	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cocaine, Heroin	4	4	0	1	0	1	0	0	0	2	0	1	0	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 26

MODE* - ETHANOL INCIDENCE (continued)

Mode	Total	Total		Cleveland		County		Out of County		Unknown		Not Tested		Tested Total		Tested Negative		Tested Positive		Stages 0.01% - 0.04%		0.05% - 0.08%		0.09% - 0.14%		0.15% - 0.19%		0.20% - 0.24%		0.25% - 0.29%		0.30% or Over	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Cocaine, Opiate	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyclobenzaprine, Fentanyl	1	1	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fentanyl, Heroin	6	3	3	1	0	0	0	0	0	2	1	1	1	2	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fentanyl, Heroin, Methoxyacetylfentanyl	1	1	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Heroin, Oxycodone, Phencyclidine	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Combined Effects of Ethanol & Single/Multiple Chemical Agents: Cocaine	10	8	2	4	0	1	0	0	0	3	2	1	0	7	2	3	0	4	2	3	0	0	0	1	1	0	0	0	1	0	0	0	0
2-Furanyl Fentanyl	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
3-Methylfentanyl	1	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
3-Methylfentanyl, Cocaine	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
4-NPP, Acrylfentanyl, Cocaine, Fentanyl, Heroin, Hydrocodone, Oxycodone	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Acetyl Fentanyl, Cocaine, Fentanyl	2	2	0	1	0	0	0	0	0	1	0	0	0	2	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Acetyl Fentanyl, Cocaine, Methoxyacetylfentanyl	1	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Acetyl Fentanyl, Fentanyl, Heroin	1	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Acetyl Fentanyl,, Carfentanil, Fentanyl	1	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Acrylfentanyl, Fentanyl	1	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Alprazolam, Carfentanil, Fentanyl, Heroin	1	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Amphetamine, Fentanyl	1	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Amphetamine, Fentanyl, Heroin, Methamphetamine	1	1	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Benzodiazepines, Cocaine	2	1	1	1	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Benzodiazepines, Fentanyl, Heroin	1	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Carfentanil	2	2	0	1	0	0	0	0	0	1	0	1	0	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Carfentanil, Cocaine, Diphenhydramine, Fentanyl, Heroin	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Carfentanil, Cocaine, Diphenhydramine, Fentanyl, Phencyclidine	1	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Carfentanil, Cocaine, Fentanyl	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Carfentanil, Cocaine, Fentanyl, Heroin	1	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Carfentanil, Fentanyl, Heroin	2	2	0	1	0	0	0	0	0	1	0	0	0	2	0	0	0	2	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0
Carfentanil, Heroin	5	4	1	0	1	1	0	0	0	3	0	0	0	4	1	0	0	4	1	0	0	2	0	2	1	0	0	0	0	0	0	0	0
Citalopram, Cocaine, Heroin, Hydrocodone	1	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Cocaine, Diphenhydramine, Fentanyl, Furanyl Fentanyl, Heroin	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0

2017 FATALITIES RESULTING FROM ACCIDENTS IN OTHER PLACES

MODE* - ETHANOL INCIDENCE (continued)

TABLE 26

Mode	Total	Total		Cleveland		County		Out of County		Unknown		Not Tested		Tested: Total		Tested: Negative		Tested: Positive		Stages: 0.01% - 0.04%		Stages: 0.05% - 0.08%		Stages: 0.09% - 0.14%		Stages: 0.15% - 0.19%		Stages: 0.20% - 0.24%		Stages: 0.25% - 0.29%		Stages: 0.30% or Over	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Cocaine, Escitalopram, Fentanyl, Heroin, Trazadone	1	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Cocaine, Fentanyl	4	3	1	2	0	0	0	0	0	1	1	0	0	3	1	0	0	3	1	1	0	1	0	0	0	0	1	0	0	1	0	0	0
Cocaine, Fentanyl, Heroin	2	2	0	1	0	1	0	0	0	0	0	0	0	2	0	1	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Cocaine, Heroin	2	2	0	0	0	0	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0
Cocaine, Phencyclidine	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Ethanol, Venlafaxine	1	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Fentanyl	1	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fentanyl, Heroin	1	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Fentanyl, Heroin, Oxycodone	1	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Fentanyl, Heroin, Quetiapine, Sertraline	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Fentanyl, Trazodone	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Gabapentin, Lorazepam, Metha-done, Olanzapine	1	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Lisdexamfetamine	1	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	184	139	45	56	13	18	4	3	3	62	25	26	11	113	34	73	24	40	10	11	5	6	0	10	3	4	1	6	1	2	0	1	0

2017 FATALITIES RESULTING FROM ACCIDENTS IN OTHER PLACES

MODE - AGE GROUPS

TABLE 27

Mode	< Than 1		1-4		5-9		10-14		15-19		20-24		25-29		30-34		35-39		40-44		45-49		50-54		55-59		60-64		65-69		70-74		75-79		80 and Over		Total		Grand Total
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
Asphyxia	1	0	0	0	0	1	0	0	1	1	0	0	0	0	0	0	0	0	3	0	4	1	0	0	3	0	0	1	2	0	0	0	0	1	0	3	14	8	22
Exposure	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	4	2	6
Falling	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	2	0	0	0	1	0	2	1	2	2	5	2	7	3	12	5	13	9	51	123	97	145	242
Miscellaneous	0	0	2	0	0	0	1	0	1	1	0	0	0	0	1	0	0	0	0	0	2	1	4	0	1	0	1	0	0	0	0	0	0	0	0	1	13	3	16
Poisoning	2	0	0	0	0	0	0	0	0	2	4	4	17	2	20	4	9	3	18	6	16	6	19	9	21	5	8	2	5	1	0	0	0	0	0	1	139	45	184
Undetermined	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0	3	1	0	0	0	0	2	0	2	1	10	2	12
Total	3	0	2	0	0	1	1	0	2	4	5	4	18	2	21	4	12	4	23	6	25	8	25	10	28	8	18	6	14	4	12	5	15	10	53	129	277	205	482

TABLE 28

FALLS - ETHANOL INCIDENCE

Falls by Code	Total	Total		Not Tested		Tested						Stages													
						Total		Negative		Positive		0.01% - 0.04%		0.05% - 0.08%		0.09% - 0.14%		0.15% - 0.19%		0.20% - 0.24%		0.25% - 0.29%		0.30% or Over	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Fall From One Level to Another	14	7	7	6	7	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Fall On or From Stairs or Steps	4	1	3	1	2	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fall On Same Level	194	74	120	71	119	3	1	1	1	2	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0
Other and Unspecified Fall	29	14	15	10	14	4	1	2	1	2	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0
Fall From Building or Other Structure	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**242**	**97**	**145**	**89**	**142**	**8**	**3**	**3**	**3**	**5**	**0**	**2**	**0**	**1**	**0**	**1**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

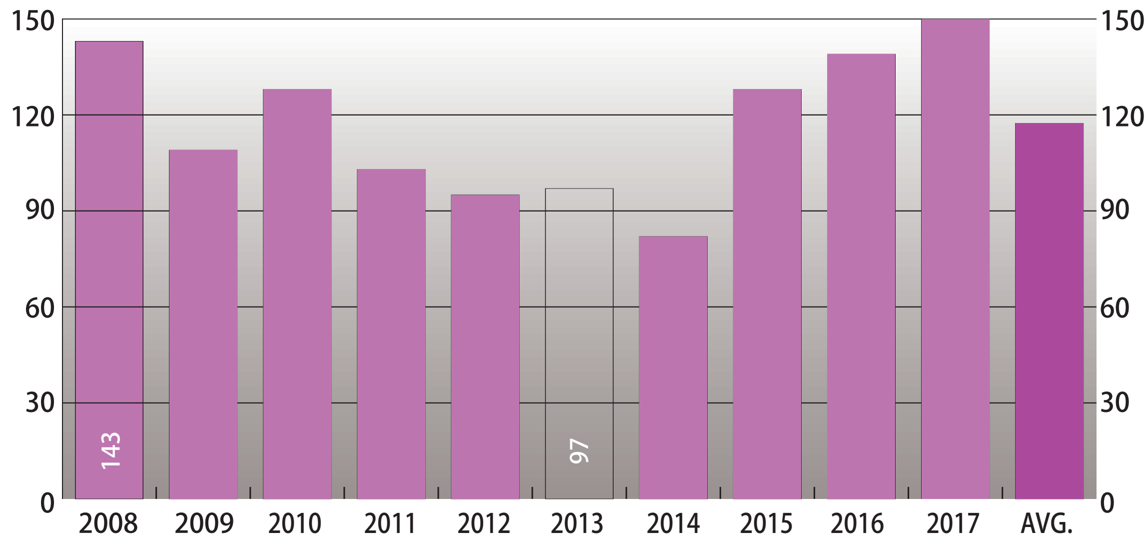
FALLS - AGE GROUPS

TABLE 29

Falls by Code	< Than 1		1-4		5-9		10-14		15-19		20-24		25-29		30-34		35-39		40-44		45-49		50-54		55-59		60-64		65-69		70-74		75-79		80 and Over		Total		Grand Total
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
Fall From One Level to Another	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	2	0	0	0	0	1	4	5	7	7	14
Fall On or From Stairs or Steps	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0	1	1	3	4
Fall On Same Level	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	2	2	2	1	4	2	10	5	10	7	43	103	74	120	194
Other and Unspecified Fall	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	3	0	1	0	1	0	3	0	4	0	14	0	29
Fall From Building or Other Structure	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	14	1	15	1
Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**1**	**0**	**0**	**0**	**2**	**0**	**0**	**0**	**1**	**0**	**2**	**1**	**2**	**2**	**5**	**2**	**7**	**3**	**12**	**5**	**13**	**9**	**51**	**123**	**97**	**145**	**242**

Photograph by J. Bielinski

2017 VEHICULAR FATALITIES
FOR A PERIOD OF TEN YEARS

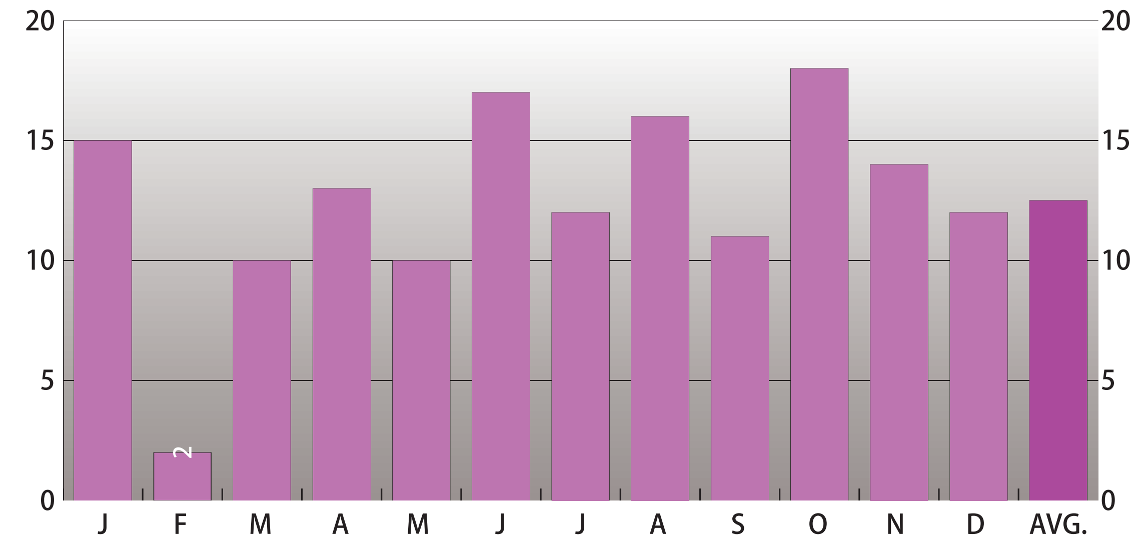


2017

TOTAL CASES

150

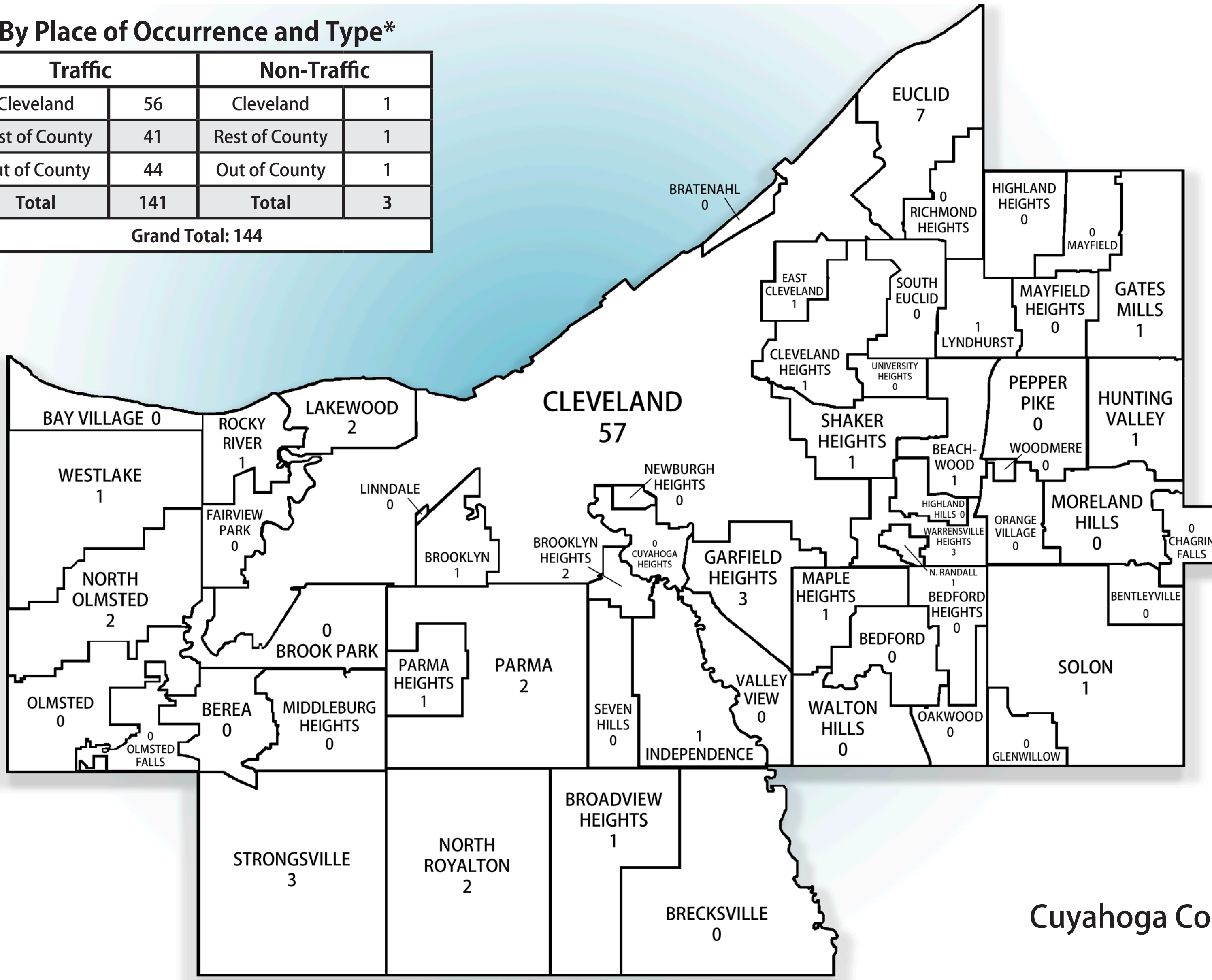
2017 VEHICULAR FATALITIES
BY MONTH FOR THE YEAR 2017



		Number	Percent
Gender	Male	111	0.74
	Female	39	0.26
Race	White	92	0.61
	Black	57	0.38
	Asian Indian	1	0.01
Ethnicity	Hispanic	2	0.01
	Non-Hispanic	148	0.99
Ethanol	Tested	101	0.67
	Positive	45	0.30
Autopsied		77	0.51

By Place of Occurrence and Type*

Traffic		Non-Traffic	
Cleveland	56	Cleveland	1
Rest of County	41	Rest of County	1
Out of County	44	Out of County	1
Total	**141**	**Total**	**3**
Grand Total: 144			

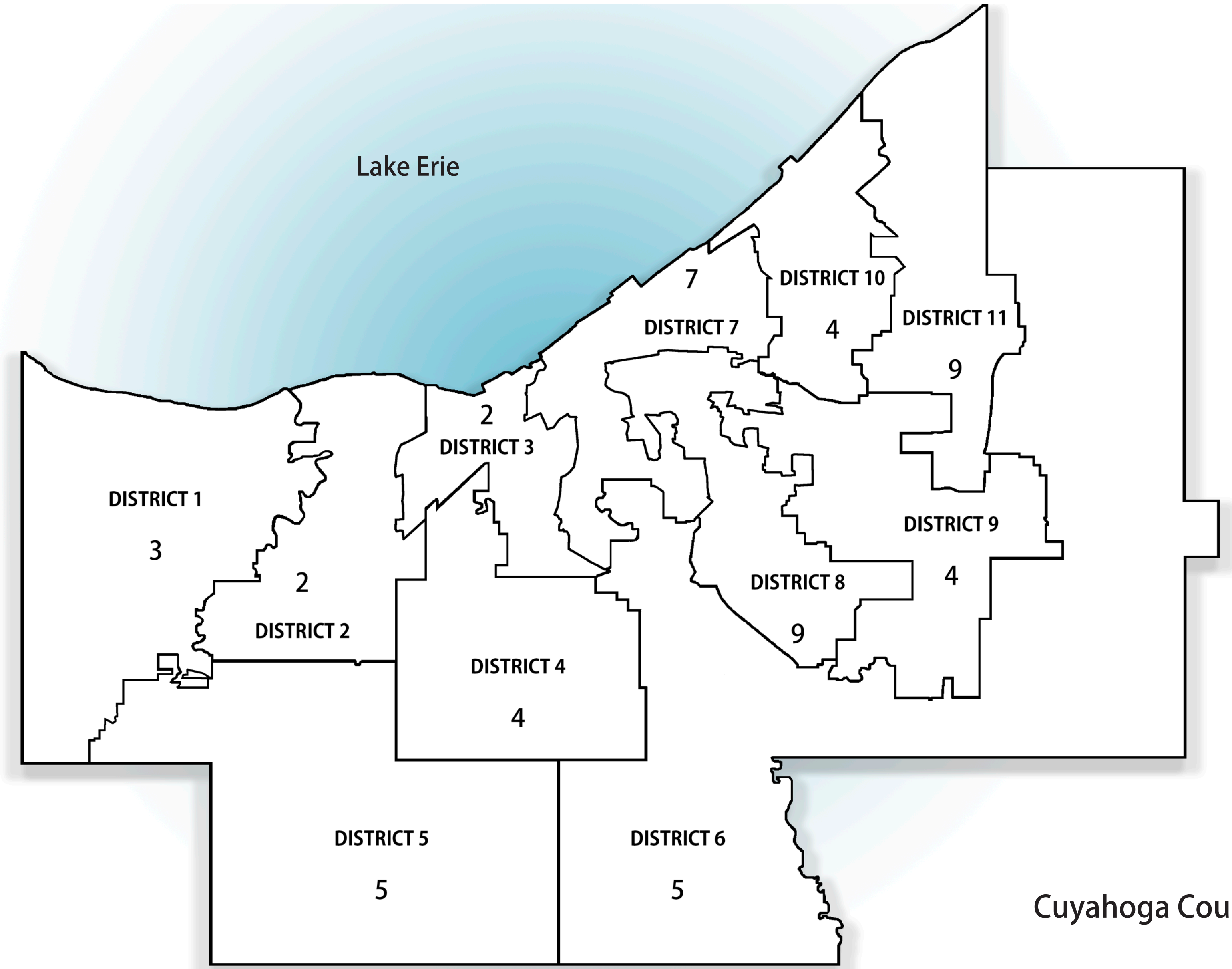


Cuyahoga County, Ohio

***Injury location and/or traffic type is unknown for 6 cases.**

DISTRIBUTION OF VEHICULAR FATALITIES BY COUNCIL DISTRICT*

MAP 4B



Cuyahoga County, Ohio

*Injury location is unknown for 6 case and 44 cases are from outside of Cuyahoga County. Council district was undetermined and/or not analyzed for 12 cases.

BLOOD ALCOHOL CONCENTRATION (BAC) BY WEIGHT AND GENDER

BAC Table for Women

Number of Drinks* per Hour	90	100	120	140	160	180	200	220	240
0	.00	.00	.00	.00	.00	.00	.00	.00	.00
1	.05	.05	.04	.03	.03	.03	.02	.02	.02
2	.10	.09	.08	.07	.06	.05	.05	.04	.04
3	.15	.14	.11	.10	.09	.08	.07	.06	.06
4	.20	.18	.15	.13	.11	.10	.09	.08	.08
5	.25	.23	.19	.16	.14	.13	.11	.10	.09
6	.30	.27	.23	.19	.17	.15	.14	.12	.11
7	.35	.32	.27	.23	.20	.18	.16	.14	.13
8	.40	.36	.30	.26	.23	.20	.18	.17	.15
9	.45	.41	.34	.29	.26	.23	.20	.19	.17
10	.51	.45	.38	.32	.28	.25	.23	.21	.19

Body Weight in Pounds

BAC Table for Men

Number of Drinks* per Hour	90	100	120	140	160	180	200	220	240
0	.00	.00	.00	.00	.00	.00	.00	.00	.00
1	-	.04	.03	.03	.02	.02	.02	.02	.02
2	-	.08	.06	.05	.05	.04	.04	.03	.03
3	-	.11	.09	.08	.07	.06	.06	.05	.05
4	-	.15	.12	.11	.09	.08	.08	.07	.06
5	-	.19	.16	.13	.12	.11	.09	.09	.08
6	-	.23	.19	.16	.14	.13	.11	.10	.09
7	-	.26	.22	.19	.16	.15	.13	.12	.11
8	-	.30	.25	.21	.19	.17	.15	.14	.13
9	-	.34	.28	.24	.21	.19	.17	.15	.14
10	-	.38	.31	.27	.23	.21	.19	.17	.16

Body Weight in Pounds

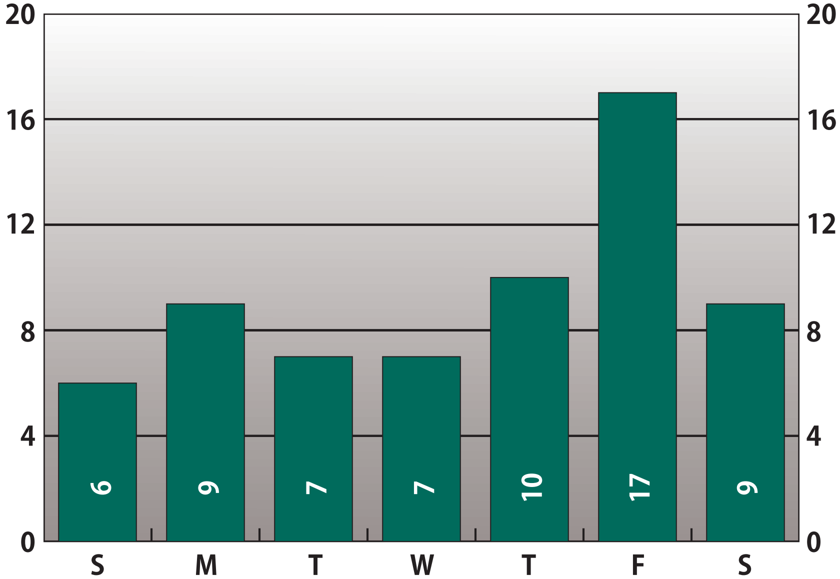
Please Note: This chart represents estimated blood concentrations for average individuals. It is not meant to be taken as a guide to alcohol consumption.

*A drink is defined as 1.25 ounces of 80 proof liquor (whiskey, vodka, gin, etc.), 12 ounces of beer or 5 ounces of wine.

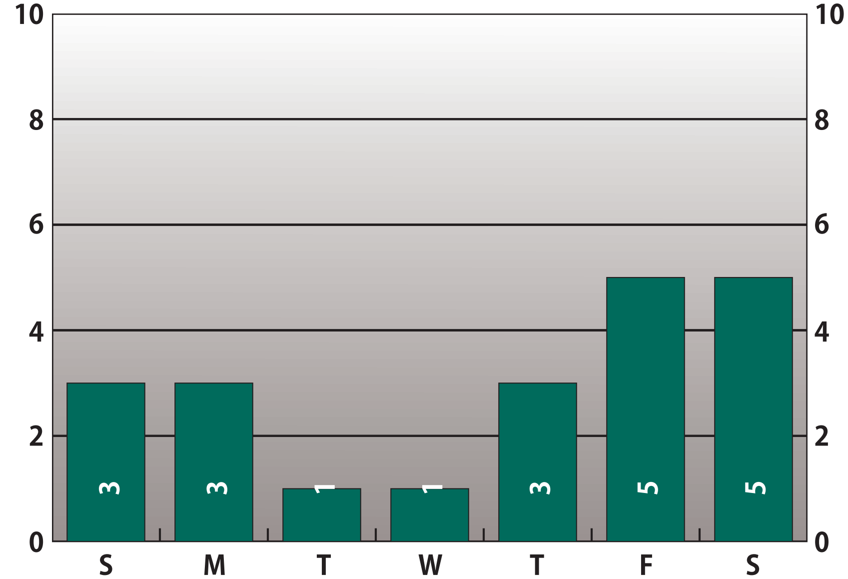
From: Virginia Polytechnic Institute and State University (http://www.alcohol.vt.edu/Students/alcoholEffects/estimatingBAC/index.htm)

DAILY INCIDENCE

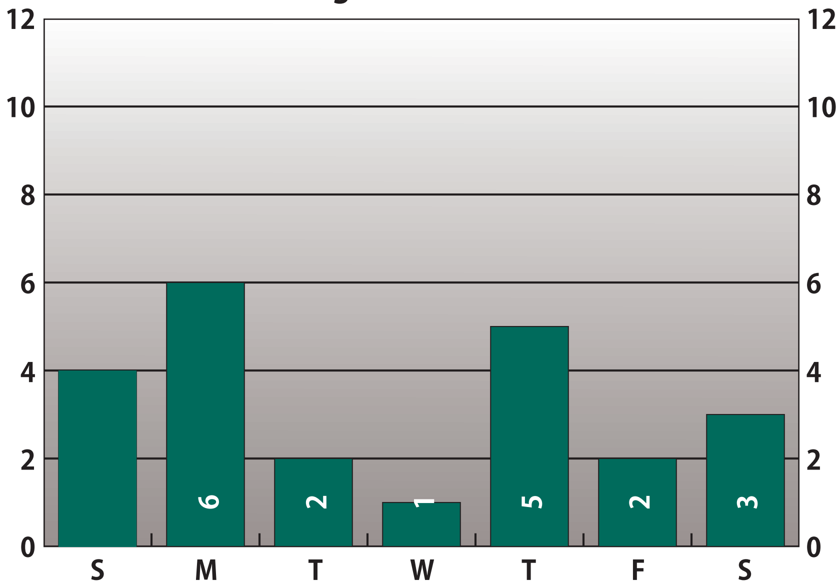
Drivers Total - 65



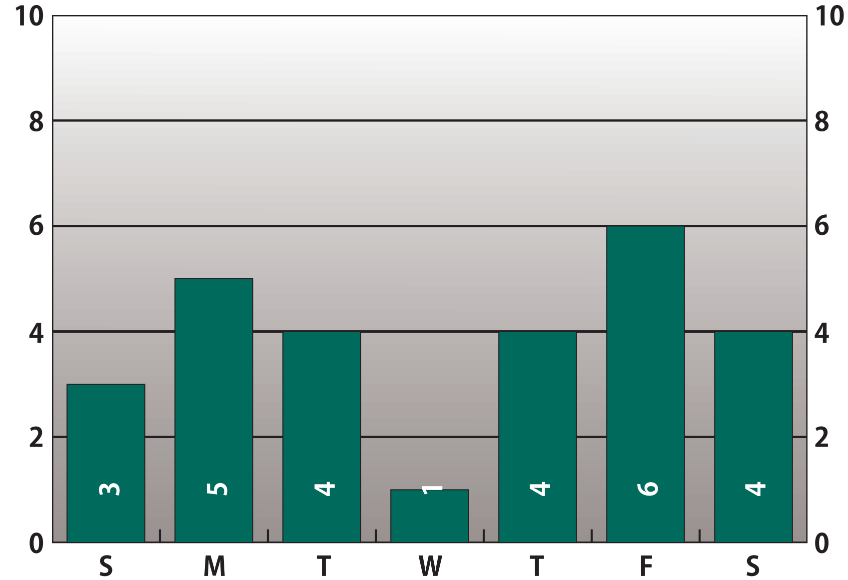
Motorcyclists Total - 21*



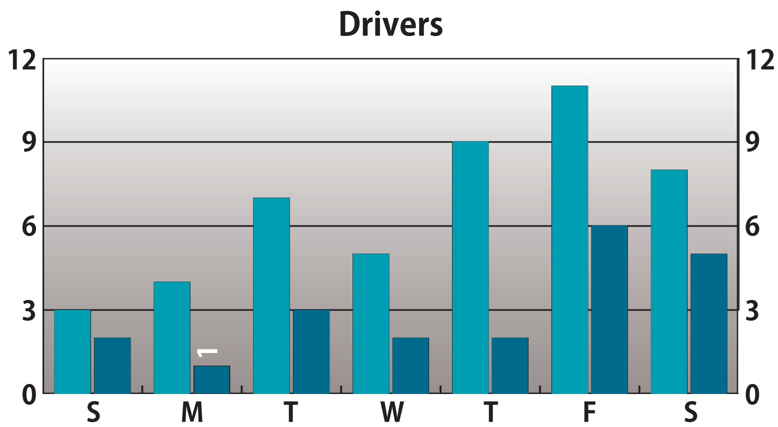
Passengers Total - 23*

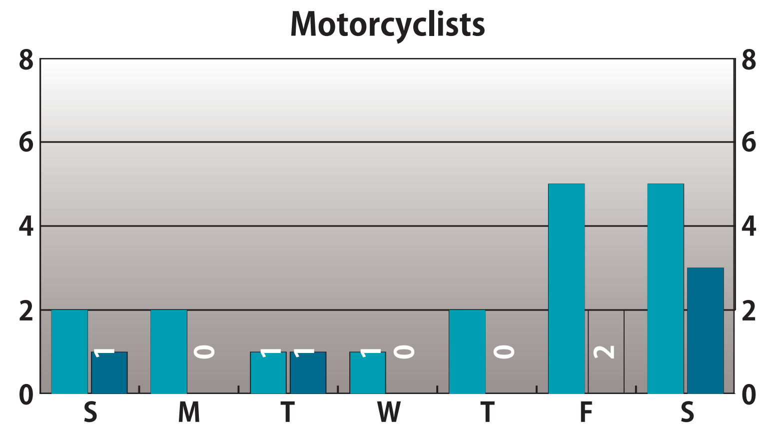


Pedestrians Total - 27

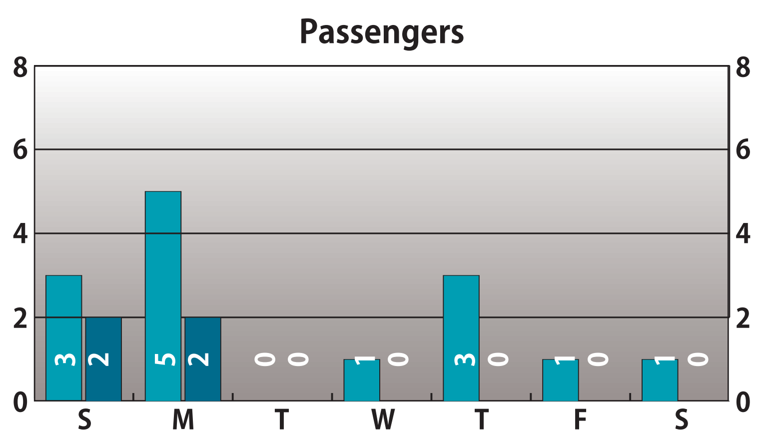


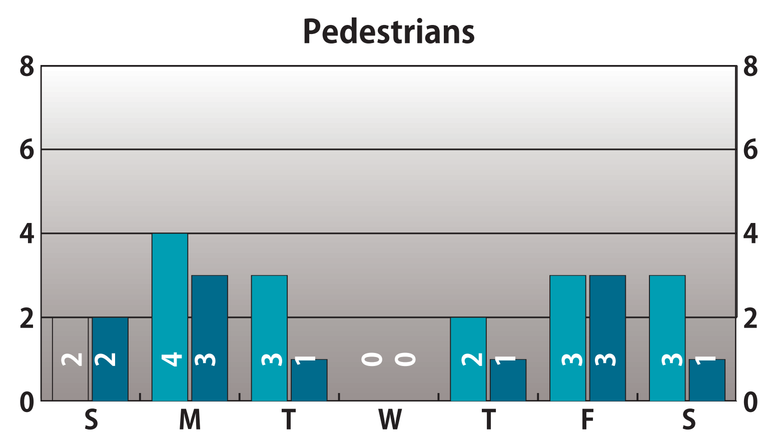
*Injury date and/or classification is unknown for 3 cases.



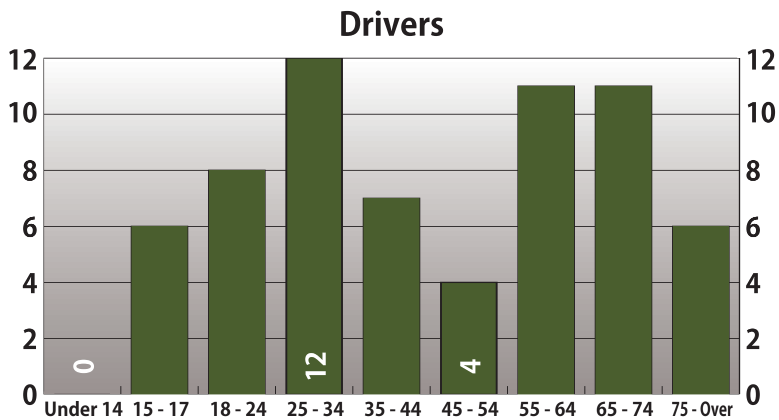


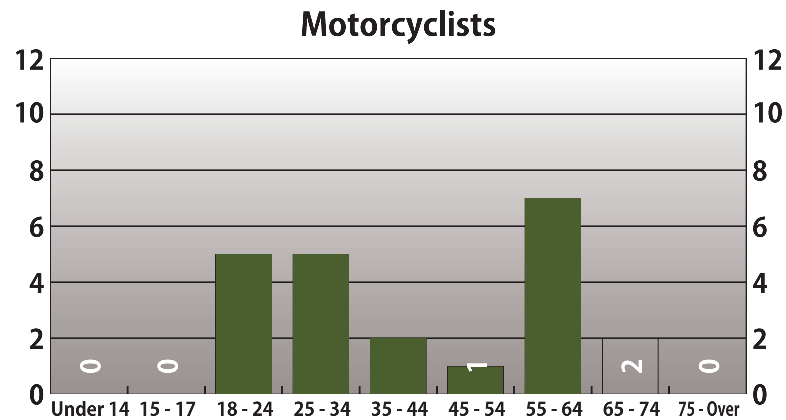
	Tested	Positive
Drivers	47	21
Motorcyclists	18	7
Passengers	14	4
Pedestrian	17	11
Total	**96**	**43**

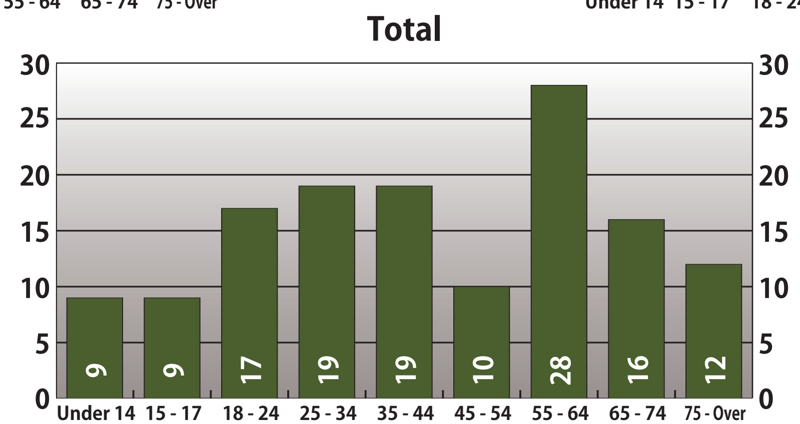


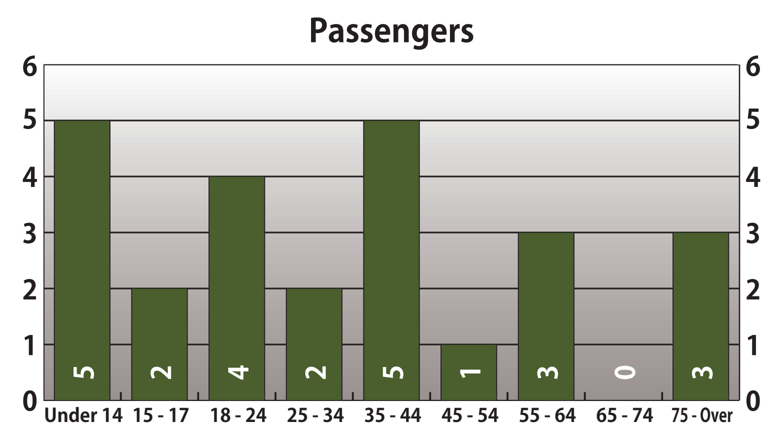


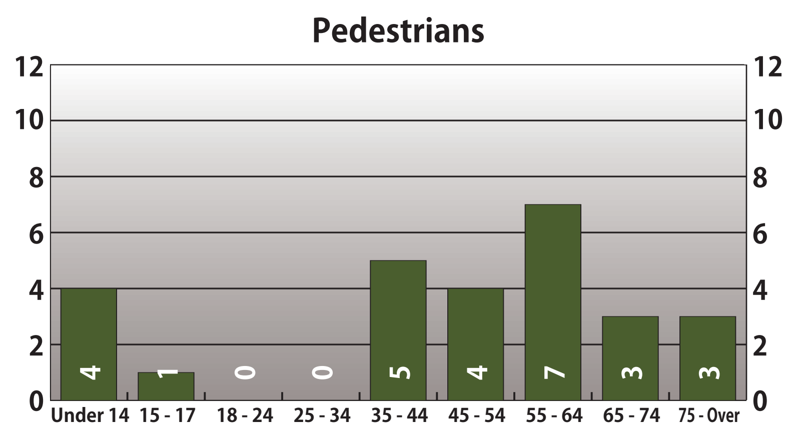
AGE GROUPS - CLASSIFICATION* OF VICTIMS











2017 VEHICULAR FATALITIES

TABLE 30 CLASSIFICATION OF VICTIMS - ETHANOL INCIDENCE

		Total		Cleveland		County		Out of County		Turnpike		Unknown		Not Tested		Tested						Stages													
																Total		Negative		Positive		0.01% - 0.04%		0.05% - 0.08%		0.09% - 0.14%		0.15% - 0.19%		0.20% - 0.24%		0.25% - 0.29%		0.30% or Over	
Classification	**Total**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**
Driver	65	49	16	20	4	14	7	15	5	0	0	0	0	13	5	36	11	19	7	17	4	0	0	0	1	4	0	3	1	6	1	1	1	3	0
Motorcyclist	22	22	0	8	0	4	0	10	0	0	0	0	0	4	0	18	0	11	0	7	0	0	0	1	0	1	0	2	0	1	0	1	0	1	0
Passenger	25	12	13	5	3	2	4	5	6	0	0	0	0	5	6	7	7	5	5	2	2	0	0	0	0	1	1	0	1	0	0	1	0	0	0
Pedestrian	27	18	9	10	5	5	4	3	0	0	0	0	0	6	4	12	5	5	1	7	4	0	0	2	0	1	0	1	0	1	0	2	0	0	0
Bicyclist	5	5	0	1	0	2	0	2	0	0	0	0	0	2	0	3	0	1	0	2	0	0	1	0	0	0	1	0	2	1	0	1	0	0	0
Unknown	6	5	1	0	1	0	0	0	0	0	0	5	0	3	1	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**150**	**111**	**39**	**44**	**13**	**27**	**15**	**35**	**11**	**0**	**0**	**5**	**0**	**33**	**16**	**78**	**23**	**43**	**13**	**35**	**10**	**0**	**1**	**3**	**1**	**7**	**2**	**6**	**4**	**9**	**1**	**6**	**1**	**4**	**0**

2017 VEHICULAR FATALITIES

TABLE 31 DRIVERS/AGE OF VICTIMS - ETHANOL INCIDENCE

		Total		Cleveland		County		Out of County		Turnpike		Unknown		Not Tested		Tested						Stages													
																Total		Negative		Positive		0.01% - 0.04%		0.05% - 0.08%		0.09% - 0.14%		0.15% - 0.19%		0.20% - 0.24%		0.25% - 0.29%		0.30% or Over	
Age	**Total**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**
Under 14	10	4	6	2	1	1	4	1	1	0	0	0	0	2	6	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 - 17	9	6	3	2	0	1	2	3	1	0	0	0	0	1	0	5	3	4	2	1	1	0	0	0	0	1	0	0	1	0	0	0	0	0	0
18 - 24	17	14	3	7	1	4	0	3	2	0	0	0	0	2	0	12	3	7	2	5	1	0	0	0	0	2	0	0	1	1	0	2	0	0	0
25 - 34	21	16	5	8	2	4	2	3	1	0	0	1	0	2	0	14	5	9	2	5	3	0	0	0	1	0	1	2	1	3	0	0	0	0	0
35 - 44	20	17	3	9	2	6	1	2	0	0	0	0	0	3	0	14	3	5	2	9	1	0	0	1	0	3	0	0	0	2	1	2	0	1	0
45 - 54	10	7	3	3	2	1	0	3	1	0	0	0	0	3	1	4	2	0	1	4	1	0	0	0	0	1	0	1	1	0	0	1	0	1	0
55 - 64	31	26	5	6	2	7	2	11	1	0	0	2	0	10	3	16	2	7	0	9	2	0	1	1	0	0	1	3	0	2	0	1	0	2	0
65 - 74	19	13	6	3	2	1	1	7	3	0	0	2	0	6	2	7	4	6	3	1	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0
75 and Older	13	8	5	4	1	2	3	2	1	0	0	0	0	4	4	4	1	3	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Total	**150**	**111**	**39**	**44**	**13**	**27**	**15**	**35**	**11**	**0**	**0**	**5**	**0**	**33**	**16**	**78**	**23**	**43**	**13**	**35**	**10**	**0**	**1**	**3**	**1**	**7**	**2**	**6**	**4**	**9**	**1**	**6**	**1**	**4**	**0**

MONTHLY ETHANOL INCIDENCE

TABLE 32

		Total		Cleveland		County		Out of County		Turnpike		Unknown		Not Tested		Tested						Stages													
																Total		Negative		Positive		0.01% - 0.04%		0.05% - 0.08%		0.09% - 0.14%		0.15% - 0.19%		0.20% - 0.24%		0.25% - 0.29%		0.30% or Over	
Month	Total	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Jan.	15	9	6	5	1	2	2	1	3	0	0	1	0	1	3	8	3	4	3	4	0	0	0	1	0	1	0	0	0	0	0	1	0	1	0
Feb.	2	2	0	1	0	1	0	0	0	0	0	0	0	0	0	2	0	1	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Mar.	10	8	2	3	0	2	0	2	2	0	0	1	0	2	2	6	0	5	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Apr.	13	12	1	3	1	3	0	4	0	0	0	2	0	5	0	7	1	3	0	4	1	0	0	0	0	1	0	1	1	0	0	2	0	0	0
May	10	9	1	4	1	3	0	2	0	0	0	0	0	3	0	6	1	1	0	5	1	0	1	1	0	1	0	2	0	1	0	0	0	0	0
Jun.	17	10	7	1	1	5	3	4	3	0	0	0	0	5	4	5	3	4	3	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
July	12	11	1	3	0	3	0	5	1	0	0	0	0	3	0	8	1	4	0	4	1	0	0	1	0	2	0	0	1	1	0	0	0	0	0
Aug.	16	9	7	4	4	1	3	4	0	0	0	0	0	4	2	5	5	3	4	2	1	0	0	0	0	0	0	0	1	2	0	0	0	0	0
Sept.	11	8	3	3	2	1	1	4	0	0	0	0	0	3	1	5	2	3	0	2	2	0	0	0	0	1	1	0	0	0	0	1	1	0	0
Oct.	18	14	4	6	0	3	2	5	2	0	0	0	0	3	2	11	2	7	2	4	0	0	0	0	0	0	0	0	0	2	0	1	0	1	0
Nov.	14	11	3	6	1	1	2	3	0	0	0	1	0	3	1	8	2	5	0	3	2	0	0	0	1	0	0	0	1	1	0	0	0	2	0
Dec.	12	8	4	5	2	2	2	1	0	0	0	0	0	1	1	7	3	3	1	4	2	0	0	0	0	0	1	2	0	2	1	0	0	0	0
Total	**150**	**111**	**39**	**44**	**13**	**27**	**15**	**35**	**11**	**0**	**0**	**5**	**0**	**33**	**16**	**78**	**23**	**43**	**13**	**35**	**10**	**0**	**1**	**3**	**1**	**7**	**2**	**6**	**4**	**9**	**1**	**6**	**1**	**4**	**0**

TABLE 33 DAILY ETHANOL INCIDENCE

		Total		Not Tested		Tested						Stages													
						Total		Negative		Positive		0.01% - 0.04%		0.05% - 0.08%		0.09% - 0.14%		0.15% - 0.19%		0.20% - 0.24%		0.25% - 0.29%		0.30% or Over	
Month	**Total**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**
Sunday	16	9	7	2	4	7	3	2	1	5	2	0	0	0	0	1	0	0	2	0	0	3	0	1	0
Monday	23	15	8	6	2	9	6	5	4	4	2	0	1	1	0	0	1	0	0	2	0	1	0	0	0
Tuesday	16	13	3	2	1	11	2	5	2	6	0	0	0	2	0	0	0	0	0	2	0	0	0	2	0
Wednesday	11	9	2	3	0	6	2	4	1	2	1	0	0	0	0	1	0	0	1	0	0	1	0	0	0
Thursday	22	15	7	3	3	12	4	10	3	2	1	0	0	0	0	0	0	2	1	0	0	0	0	0	0
Friday	31	29	2	10	1	19	1	9	0	10	1	0	0	0	1	4	0	1	0	3	0	1	0	1	0
Saturday	21	12	9	0	4	12	5	6	2	6	3	0	0	0	0	1	1	3	0	2	1	0	1	0	0
Unknown	10	9	1	7	1	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**150**	**111**	**39**	**33**	**16**	**78**	**23**	**43**	**13**	**35**	**10**	**0**	**1**	**3**	**1**	**7**	**2**	**6**	**4**	**9**	**1**	**6**	**1**	**4**	**0**

AGE - RACE - ETHNICITY - ETHANOL INCIDENCE

			Ethnicity		Not Tested		Tested						Stages													
							Total		Negative		Positive		0.01% - 0.04%		0.05% - 0.08%		0.09% - 0.14%		0.15% - 0.19%		0.20% - 0.24%		0.25% - 0.29%		0.30% or Over	
Age	**Race**	**Total**	**Hispanic**	**Non-Hispanic**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**
Under 14	White	3	0	3	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	6	0	6	0	4	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Asian	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 - 17	White	7	0	7	1	0	3	3	3	2	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0
	Black	2	0	2	0	0	2	0	1	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 - 24	White	10	1	9	2	0	6	2	3	1	3	1	0	0	0	0	1	0	0	1	1	0	1	0	0	0
	Black	7	0	7	0	0	6	1	4	1	2	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0
	Asia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 - 34	White	14	0	14	1	0	9	4	8	2	1	2	0	0	0	1	0	1	0	0	1	0	0	0	0	0
	Black	7	0	7	1	0	5	1	1	0	4	1	0	0	0	0	0	0	2	1	2	0	0	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 - 44	White	7	0	7	1	0	5	1	3	1	2	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0
	Black	13	0	13	2	0	9	2	2	1	7	1	0	0	1	0	2	0	0	0	1	1	2	0	1	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 - 54	White	5	0	5	2	1	2	0	0	0	2	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0
	Black	5	0	5	1	0	2	2	0	1	2	1	0	0	0	0	0	0	0	1	0	0	1	0	1	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55 - 64	White	19	0	19	9	2	8	0	3	0	5	0	0	0	0	0	0	0	1	0	1	0	1	0	2	0
	Black	12	0	12	1	1	8	2	4	0	4	2	0	1	1	0	0	1	2	0	1	0	0	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65 - 74	White	16	1	15	4	2	7	3	6	2	1	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0
	Black	3	0	3	2	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75 and Older	White	11	0	11	4	4	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	2	0	2	0	0	1	1	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	White	92	2	90	25	11	43	13	29	8	14	5	0	0	1	1	3	1	2	2	4	0	2	1	2	0
	Black	57	0	57	7	5	35	10	14	5	21	5	0	1	2	0	4	1	4	2	5	1	4	0	2	0
	Asian	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total		**150**	**2**	**148**	**33**	**16**	**78**	**23**	**43**	**13**	**35**	**10**	**0**	**1**	**3**	**1**	**7**	**2**	**6**	**4**	**9**	**1**	**6**	**1**	**4**	**0**

TABLE 35 TYPE OF ACCIDENT - ETHANOL INCIDENCE

		Total		Cleveland		County		Out of County		Turnpike		Unknown		Not Tested		Tested						Stages													
																Total		Negative		Positive		0.01% - 0.04%		0.05% - 0.08%		0.09% - 0.14%		0.15% - 0.19%		0.20% - 0.24%		0.25% - 0.29%		0.30% or Over	
Type	**Total**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**
Traffic: Collision	144	107	37	43	13	27	14	33	10	0	0	4	0	31	16	76	21	41	12	35	9	0	1	3	1	7	2	6	4	9	1	6	0	4	0
Non-Collision	1	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**145**	**108**	**37**	**43**	**13**	**27**	**14**	**34**	**10**	**0**	**0**	**4**	**0**	**32**	**16**	**76**	**21**	**41**	**12**	**35**	**9**	**0**	**1**	**3**	**1**	**7**	**2**	**6**	**4**	**9**	**1**	**6**	**0**	**4**	**0**
Non-Traffic: Collision	2	1	1	1	0	0	1	0	0	0	0	0	0	0	0	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Non-Collision	1	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**3**	**1**	**2**	**1**	**0**	**0**	**1**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**2**	**1**	**1**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**
Unknown Traffic and/or Collision Type	2	2	0	0	0	0	0	1	0	0	0	1	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total	**150**	**111**	**39**	**44**	**13**	**27**	**15**	**35**	**11**	**0**	**0**	**5**	**0**	**33**	**16**	**78**	**23**	**43**	**13**	**35**	**10**	**0**	**1**	**3**	**1**	**7**	**2**	**6**	**4**	**9**	**1**	**6**	**1**	**4**	**0**

Traffic Accident (On-Roadway Accident): An on-roadway accident is (1) a collision accident in which the initial point of contact between colliding units is the first harmful event is within a roadway or (2) a noncollision accident in which the road vehicle involved was partly or entirely on the roadway at the time of the first harmful event.

Non-Traffic Accident (Off Roadway Accident): An off-roadway accident is any road vehicle accident other than an on-roadway accident.

Collision Accident: A collision accident is a road vehicle accident other than an overturning accident in which the first harmful event is a collision of a road vehicle in-transport with another road vehicle, other property or pedestrians.

Non-Collision Accident: A non-collision accident is any road vehicle accident other than a collision accident.

NON-TRAFFIC ETHANOL INCIDENCE

TABLE 36

Type	Total	Total		Cleveland		County		Out of County		Turnpike		Unknown		Not Tested		Tested Total		Tested Negative		Tested Positive		Stages 0.01% - 0.04%		Stages 0.05% - 0.08%		Stages 0.09% - 0.14%		Stages 0.15% - 0.19%		Stages 0.20% - 0.24%		Stages 0.25% - 0.29%		Stages 0.30% or Over	
	Total	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Auto-Auto	1	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Auto-Pedestrian	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
All-Terrain Vehicle. Non-Collision	1	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**3**	**1**	**2**	**1**	**0**	**0**	**1**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**2**	**1**	**1**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**

TABLE 37

TRAFFIC - COLLISION - ETHANOL INCIDENCE

Type	Total	Total		Cleveland		County		Out of County		Turnpike		Unknown		Not Tested		Tested: Total		Tested: Negative		Tested: Positive		Stages: 0.01% - 0.04%		Stages: 0.05% - 0.08%		Stages: 0.09% - 0.14%		Stages: 0.15% - 0.19%		Stages: 0.20% - 0.24%		Stages: 0.25% - 0.29%		Stages: 0.30% or Over	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Auto-Auto	9	7	2	5	2	1	0	1	0	0	0	0	0	2	0	5	2	4	2	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Auto-Fixed Object	30	21	9	11	2	6	4	4	3	0	0	0	0	6	2	15	7	4	4	11	3	0	0	0	1	3	0	3	1	3	1	1	0	1	0
Auto-Motorcycle	8	7	1	2	0	2	0	3	1	0	0	0	0	2	1	5	0	3	0	2	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0
Auto-Pedestrian	13	9	4	3	2	4	2	2	0	0	0	0	0	4	2	5	2	2	1	3	1	0	0	0	0	0	1	1	0	1	0	1	0	0	0
Auto-Truck	13	8	5	2	0	3	3	3	2	0	0	0	0	2	3	6	2	4	2	2	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0
Motorcycle-Fixed Object	8	8	0	2	0	3	0	3	0	0	0	0	0	1	0	7	0	4	0	3	0	0	0	0	0	1	0	1	0	0	0	0	0	1	0
Motorcycle-Motorcycle	4	4	0	2	0	0	0	2	0	0	0	0	0	1	0	3	0	2	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Motorcycle-Truck	5	4	1	2	1	0	0	2	0	0	0	0	0	0	0	4	1	2	0	2	1	0	0	1	0	1	1	0	0	0	0	0	0	0	0
Truck-Fixed Object	16	14	2	5	0	4	0	5	2	0	0	0	0	4	0	10	2	8	1	2	1	0	0	0	0	0	0	0	1	2	0	0	0	0	0
Truck. Non-Collision.	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Truck-Pedestrian	10	7	3	5	2	1	1	1	0	0	0	0	0	1	1	6	2	2	0	4	2	0	1	2	0	1	0	0	1	0	0	1	0	0	0
Truck-Truck	12	6	6	2	1	1	3	3	2	0	0	0	0	1	5	5	1	3	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0
Other Motor Vehicle Accident*	15	12	3	2	2	2	1	4	0	0	0	4	0	7	2	5	1	3	0	2	1	0	0	0	0	0	0	0	1	1	0	1	0	0	0
Total	144	107	37	43	13	27	14	33	10	0	0	4	0	31	16	76	21	41	12	35	9	0	1	3	1	7	2	6	4	9	1	6	0	4	0

***Other Includes: All-Terrain Vehicle-Truck; Auto-Bicycle; Motorized Bicycle-Fixed Object; Truck-Bicycle; Unknown Motor Vehicle Collision; and Unknown Motor Vehicle-Pedestrian.**

2017 VEHICULAR FATALITIES

TRAFFIC - COLLISION - ETHANOL INCIDENCE (DRIVERS)

TABLE 37A

		Total		Cleveland		County		Out of County		Turnpike		Unknown		Not Tested		Tested						Stages													
																Total		Negative		Positive		0.01% - 0.04%		0.05% - 0.08%		0.09% - 0.14%		0.15% - 0.19%		0.20% - 0.24%		0.25% - 0.29%		0.30% or Over	
Type	Total	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Auto-Auto	5	4	1	2	1	1	0	1	0	0	0	0	0	1	0	3	1	2	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Auto-Fixed Object	26	20	6	10	2	6	2	4	2	0	0	0	0	6	2	14	4	4	1	10	3	0	0	0	1	3	0	3	1	3	1	0	0	1	0
Auto-Motorcycle	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Auto-Truck	8	5	3	1	0	2	3	2	0	0	0	0	0	0	2	5	1	4	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Motorcycle-Truck	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Truck-Fixed Object	12	11	1	4	0	3	0	4	1	0	0	0	0	3	0	8	1	6	1	2	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0
Truck. Non-Collision.	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Truck-Truck	7	5	2	2	0	1	1	2	1	0	0	0	0	1	1	4	1	2	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0
Other Motor Vehicle Accident*	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	62	48	14	20	4	14	6	14	4	0	0	0	0	12	5	36	9	19	6	17	3	0	0	0	1	4	0	3	1	6	1	1	0	3	0

**** Other Includes: All-Terrain Vehicle-Truck**

2017 VEHICULAR FATALITIES

TRAFFIC - COLLISION - ETHANOL INCIDENCE (MOTORCYCLISTS)

TABLE 37B

		Total		Cleveland		County		Out of County		Turnpike		Unknown		Not Tested		Tested						Stages													
																Total		Negative		Positive		0.01% - 0.04%		0.05% - 0.08%		0.09% - 0.14%		0.15% - 0.19%		0.20% - 0.24%		0.25% - 0.29%		0.30% or Over	
Type	Total	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Auto-Motorcycle	6	0	0	2	0	1	0	3	0	0	0	0	0	1	0	5	0	3	0	2	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0
Motorcycle-Fixed Object	8	0	0	2	0	3	0	3	0	0	0	0	0	1	0	7	0	4	0	3	0	0	0	0	0	1	0	1	0	0	0	0	0	1	0
Motorcycle-Motorcycle	4	0	0	2	0	0	0	2	0	0	0	0	0	1	0	3	0	2	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Motorcycle-Truck	3	0	0	2	0	0	0	1	0	0	0	0	0	0	0	3	0	2	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Total	21	0	0	8	0	4	0	9	0	0	0	0	0	3	0	18	0	11	0	7	0	0	0	1	0	1	0	2	0	1	0	1	0	1	0

TABLE 37C TRAFFIC - COLLISION - ETHANOL INCIDENCE (PASSENGERS)

														Not Tested		Tested						Stages													
		Total		Cleveland		County		Out of County		Turnpike		Unknown				Total		Negative		Positive		0.01% - 0.04%		0.05% - 0.08%		0.09% - 0.14%		0.15% - 0.19%		0.20% - 0.24%		0.25% - 0.29%		0.30% or Over	
Type	Total	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Auto-Auto	3	2	1	2	1	0	0	0	0	0	0	0	0	0	0	2	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Auto-Fixed Object	4	1	3	1	0	0	2	0	1	0	0	0	0	0	0	1	3	0	3	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Auto-Motorcycle	1	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Auto-Truck	5	3	2	1	0	1	0	1	2	0	0	0	0	2	1	1	1	0	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Motorcycle-Truck	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Truck-Fixed Object	4	3	1	1	0	1	0	1	1	0	0	0	0	1	0	2	1	2	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Truck-Truck	5	1	4	0	1	0	2	1	1	0	0	0	0	0	4	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Motor Vehicle Accident*	2	2	0	0	0	0	0	2	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	25	12	13	5	3	2	4	5	6	0	0	0	0	5	6	7	7	5	5	2	2	0	0	0	0	1	1	0	1	0	0	1	0	0	0

***Other Includes: Unknown Motor Vehicle Collision**

TABLE 37D TRAFFIC - COLLISION - ETHANOL INCIDENCE (PEDESTRIANS)

														Not Tested		Tested						Stages													
		Total		Cleveland		County		Out of County		Turnpike		Unknown				Total		Negative		Positive		0.01% - 0.04%		0.05% - 0.08%		0.09% - 0.14%		0.15% - 0.19%		0.20% - 0.24%		0.25% - 0.29%		0.30% or Over	
Type	Total	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Auto-Pedestrian	14	10	4	4	2	4	2	2	0	0	0	0	0	5	2	5	2	2	1	3	1	0	0	0	0	0	1	1	0	1	0	1	0	0	0
Truck-Pedestrian	10	7	3	5	2	1	1	1	0	0	0	0	0	1	1	6	2	2	0	4	2	0	1	2	0	1	0	0	1	0	0	1	0	0	0
Other Motor Vehicle Accident*	2	0	2	0	1	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Total	26	17	9	9	5	5	4	3	0	0	0	0	0	6	4	11	5	4	1	7	4	0	1	2	0	1	1	1	2	1	0	2	0	0	0

***Other Includes: Unknown Motor Vehicle-Pedestrian**

TRAFFIC - NON-COLLISION - ETHANOL INCIDENCE

														Not Tested		Tested						Stages													
		Total		Cleveland		County		Out of County		Turnpike		Unknown				Total		Negative		Positive		0.01% - 0.04%		0.05% - 0.08%		0.09% - 0.14%		0.15% - 0.19%		0.20% - 0.24%		0.25% - 0.29%		0.30% or Over	
Type	**Total**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**
Struck by Falling Objects	1	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**1**	**1**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

2017 VEHICULAR FATALITIES WHILE AT WORK

TABLE 39 TRAFFIC AND NON-TRAFFIC - MONTHLY ETHANOL INCIDENCE

		Total		Cleveland		County		Out of County		Turnpike		Unknown		Not Tested		Tested						Stages													
																Total		Negative		Positive		0.01% - 0.04%		0.05% - 0.08%		0.09% - 0.14%		0.15% - 0.19%		0.20% - 0.24%		0.25% - 0.29%		0.30% or Over	
Month	Total	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
January	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
October	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	2	0	0	1	0	1	0	0	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

2017 VEHICULAR FATALITIES

TABLE 40 WEATHER CONDITIONS - ETHANOL INCIDENCE

		Total		Cleveland		County		Out of County		Turnpike		Unknown		Not Tested		Tested						Stages													
																Total		Negative		Positive		0.01% - 0.04%		0.05% - 0.08%		0.09% - 0.14%		0.15% - 0.19%		0.20% - 0.24%		0.25% - 0.29%		0.30% or Over	
Weather Condition	Total	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Clear	74	51	23	17	7	14	9	20	7	0	0	0	0	18	10	33	13	17	8	16	5	0	0	0	0	3	2	3	2	5	0	4	1	1	0
Cloudy	48	37	11	21	4	6	4	10	3	0	0	0	0	5	5	32	6	18	4	14	2	0	0	2	0	4	0	2	2	4	0	0	0	2	0
Rain	14	13	1	6	1	6	0	1	0	0	0	0	0	3	0	10	1	5	0	5	1	0	1	1	0	0	0	1	0	0	0	2	0	1	0
Snow	3	1	2	0	0	0	2	1	0	0	0	0	0	0	0	1	2	1	0	0	2	0	0	0	1	0	0	0	0	0	1	0	0	0	0
Other/Unknown	11	9	2	0	1	1	0	3	1	0	0	5	0	7	1	2	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	150	111	39	44	13	27	15	35	11	0	0	5	0	33	16	78	23	43	13	35	10	0	1	3	1	7	2	6	4	9	1	6	1	4	0

2017 VEHICULAR FATALITIES

ROAD CONDITIONS - ETHANOL INCIDENCE

TABLE 41

Road Condition	Total	Total		Cleveland		County		Out of County		Turnpike		Unknown		Not Tested		Tested: Total		Tested: Negative		Tested: Positive		Stages: 0.01% - 0.04%		Stages: 0.05% - 0.08%		Stages: 0.09% - 0.14%		Stages: 0.15% - 0.19%		Stages: 0.20% - 0.24%		Stages: 0.25% - 0.29%		Stages: 0.30% or Over	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Dry	109	79	30	33	11	17	9	29	10	0	0	0	0	22	13	57	17	30	10	27	7	0	0	1	0	6	2	5	4	8	0	4	1	3	0
Wet	28	22	6	11	1	9	5	2	0	0	0	0	0	4	2	18	4	10	2	8	2	0	1	2	1	1	0	1	0	1	0	2	0	1	0
Snow	1	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0
Slush	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown	**11**	**9**	**2**	**0**	**1**	**1**	**0**	**3**	**1**	**0**	**0**	**5**	**0**	**7**	**1**	**2**	**1**	**2**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Total	**150**	**111**	**39**	**44**	**13**	**27**	**15**	**35**	**11**	**0**	**0**	**5**	**0**	**33**	**16**	**78**	**23**	**43**	**13**	**35**	**10**	**0**	**1**	**3**	**1**	**7**	**2**	**6**	**4**	**9**	**1**	**6**	**1**	**4**	**0**

2017 VEHICULAR FATALITIES

LIGHT CONDITIONS - ETHANOL INCIDENCE

TABLE 42

Light Condition	Total	Total		Cleveland		County		Out of County		Turnpike		Unknown		Not Tested		Tested: Total		Tested: Negative		Tested: Positive		Stages: 0.01% - 0.04%		Stages: 0.05% - 0.08%		Stages: 0.09% - 0.14%		Stages: 0.15% - 0.19%		Stages: 0.20% - 0.24%		Stages: 0.25% - 0.29%		Stages: 0.30% or Over	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Daylight	60	40	20	13	5	12	7	15	8	0	0	0	0	13	10	27	10	21	7	6	3	0	0	0	0	1	1	2	1	2	0	0	1	1	0
Dawn	6	5	1	2	0	2	1	1	0	0	0	0	0	2	1	3	0	2	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Dusk	2	2	0	1	0	0	0	1	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dark - Lighted Roadway	56	43	13	27	7	10	5	6	1	0	0	0	0	7	3	36	10	11	5	25	5	0	1	3	0	5	1	3	2	6	1	6	0	2	0
Dark - Roadway Not Lighted	15	12	3	1	0	2	2	9	1	0	0	0	0	4	1	8	2	5	0	3	2	0	0	0	1	0	0	1	1	1	0	0	0	1	0
Unknown	**11**	**9**	**2**	**0**	**1**	**1**	**0**	**3**	**1**	**0**	**0**	**5**	**0**	**7**	**1**	**2**	**1**	**2**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Total	**150**	**111**	**39**	**44**	**13**	**27**	**15**	**35**	**11**	**0**	**0**	**5**	**0**	**33**	**16**	**78**	**23**	**43**	**13**	**35**	**10**	**0**	**1**	**3**	**1**	**7**	**2**	**6**	**4**	**9**	**1**	**6**	**1**	**4**	**0**

2017 VEHICULAR FATALITIES

TABLE 43 CLASSIFICATION OF VICTIMS - AGE GROUPS

Classification	Under 14		15-17		18-24		25-34		35-44		45-54		55-64		65-74		75 and Over		Total		Grand Total
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
Driver	0	0	5	1	8	0	9	3	5	2	3	1	10	1	6	5	3	3	49	16	65
Motorcyclist	0	0	0	0	5	0	5	0	2	0	1	0	7	0	2	0	0	0	22	0	22
Passenger (including motorcycles)	2	3	1	1	1	3	0	2	5	0	0	1	2	1	0	0	1	2	12	13	25
Pedestrian	1	3	0	1	0	0	0	0	4	1	3	1	4	3	3	0	3	0	18	9	27
Bicyclist	1	0	0	0	0	0	1	0	1	0	0	0	1	0	0	0	1	0	5	0	5
Unknown	0	0	0	0	0	0	1	0	0	0	0	0	2	0	2	1	0	0	5	1	6
Total	**4**	**6**	**6**	**3**	**14**	**3**	**16**	**5**	**17**	**3**	**7**	**3**	**26**	**5**	**13**	**6**	**8**	**5**	**111**	**39**	**150**

2017 VEHICULAR FATALITIES

TABLE 44 MONTH AND AGE GROUPS

Month	Under 14		15-17		18-24		25-34		35-44		45-54		55-64		65-74		75 and Over		Total		Grand Total
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
January	0	1	1	0	1	0	1	2	1	0	1	0	2	0	1	1	1	2	9	6	15
February	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	2	0	2
March	0	0	1	0	0	0	0	0	2	0	1	1	2	1	2	0	0	0	8	2	10
April	1	0	0	0	1	0	2	0	2	0	1	1	1	0	0	0	4	0	12	1	13
May	0	0	2	0	2	0	1	0	0	0	0	0	4	1	0	0	0	0	9	1	10
June	0	3	2	1	1	1	1	0	1	0	0	0	3	0	1	2	1	0	10	7	17
July	1	0	0	0	2	1	2	0	2	0	1	0	2	0	1	0	0	0	11	1	12
August	0	1	0	1	1	1	2	0	4	2	0	0	0	0	2	1	0	1	9	7	16
September	2	0	0	0	0	0	1	1	1	0	0	0	3	0	1	1	0	1	8	3	11
October	0	0	0	1	1	0	3	0	1	0	1	0	4	1	2	1	2	1	14	4	18
November	0	1	0	0	1	0	1	2	1	0	2	0	4	0	2	0	0	0	11	3	14
December	0	0	0	0	3	0	2	0	1	1	0	1	1	2	1	0	0	0	8	4	12
Total	**4**	**6**	**6**	**3**	**14**	**3**	**16**	**5**	**17**	**3**	**7**	**3**	**26**	**5**	**13**	**6**	**8**	**5**	**111**	**39**	**150**

MONTH AND AGE GROUPS

Month	Under 14		15-17		18-24		25-34		35-44		45-54		55-64		65-74		75 and Over		Total		Grand Total
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
January	0	0	0	0	1	0	1	1	1	0	1	0	1	0	1	0	0	1	6	2	8
February	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	2	0	2
March	0	0	0	0	0	0	0	0	1	0	0	1	1	0	1	0	0	0	3	1	4
April	0	0	0	0	1	0	1	0	2	0	0	1	0	0	0	0	0	0	4	1	5
May	0	0	1	0	0	0	0	0	0	0	0	0	3	1	0	0	0	0	4	1	5
June	0	3	0	1	1	0	1	0	1	0	0	0	1	0	0	1	0	0	4	5	9
July	0	0	0	0	1	1	1	0	1	0	1	0	0	0	0	0	0	0	4	1	5
August	0	1	0	0	1	0	1	0	4	2	0	0	0	0	1	1	0	0	7	4	11
September	1	0	0	0	0	0	1	1	0	0	0	0	1	0	0	1	0	1	3	3	6
October	0	0	0	0	1	0	2	0	1	0	0	0	1	0	0	0	2	0	7	0	7
November	0	0	0	0	1	0	1	1	0	0	2	0	1	0	1	0	0	0	6	1	7
December	0	0	0	0	2	0	1	0	1	0	0	1	1	2	0	0	0	0	5	3	8
Total	**1**	**4**	**1**	**1**	**10**	**1**	**10**	**3**	**13**	**2**	**4**	**3**	**10**	**3**	**4**	**3**	**2**	**2**	**55**	**22**	**77**

TABLE 46 MAJOR INJURY AND SURVIVAL INTERVAL

Major Injury	Driver						Motorcyclist						Passenger						Pedestrian						Grand Total					
	Total	Dead on Arrival	Less Than 12 Hours	12 - 24 Hours	1 - 7 Days	8 Days or More	Total	Dead on Arrival	Less Than 12 Hours	12 - 24 Hours	1 - 7 Days	8 Days or More	Total	Dead on Arrival	Less Than 12 Hours	12 - 24 Hours	1 - 7 Days	8 Days or More	Total	Dead on Arrival	Less Than 12 Hours	12 - 24 Hours	1 - 7 Days	8 Days or More	Grand Total	Dead on Arrival	Less Than 12 Hours	12 - 24 Hours	1 - 7 Days	8 Days or More
Brain, Fracture of Skull Only	7	4	0	0	2	1	4	0	2	1	0	1	4	0	3	0	0	1	1	0	1	0	0	0	16	4	6	1	2	3
Extremities	1	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	2	0	0	0	0	2
Head and Extremities	3	1	0	0	1	1	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	4	1	0	0	2	1
Head and Trunk	6	0	4	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	0	0	1	8	0	5	0	1	2
Head, Trunk and Extremities	40	9	25	1	4	1	14	5	4	1	3	1	15	4	7	0	2	2	23	5	10	1	5	2	92	23	46	3	14	6
Spinal Cord, Fracture of Vertebra	3	0	0	0	0	3	1	0	0	0	0	1	1	0	0	0	0	1	0	0	0	0	0	0	5	0	0	0	0	5
Trunk	2	0	0	0	1	1	1	0	1	0	0	0	1	0	1	0	0	0	1	0	1	0	0	0	5	0	3	0	1	1
Trunk and Extremities	3	0	2	0	1	0	2	0	1	1	0	0	2	0	2	0	0	0	0	0	0	0	0	0	7	0	5	1	1	0
Total	65	14	31	1	10	9	22	5	8	3	3	3	25	4	13	0	3	5	27	5	13	1	5	3	139	28	65	5	21	20

MAJOR INJURY AND SURVIVAL INTERVAL - AGE GROUPS (ALL CLASSIFICATIONS)

TABLE 47

Age	Abdomen						Brain						Chest						Miscellaneous						Multiple Injuries						Spinal Cord						Trunk						Total					
	Total	Dead on Arrival	Less Than 12 Hours	12 - 24 Hours	1 - 7 Days	8 Days or More	**Total**	Dead on Arrival	Less Than 12 Hours	12 - 24 Hours	1 - 7 Days	8 Days or More	**Total**	Dead on Arrival	Less Than 12 Hours	12 - 24 Hours	1 - 7 Days	8 Days or More	**Total**	Dead on Arrival	Less Than 12 Hours	12 - 24 Hours	1 - 7 Days	8 Days or More	**Total**	Dead on Arrival	Less Than 12 Hours	12 - 24 Hours	1 - 7 Days	8 Days or More	**Total**	Dead on Arrival	Less Than 12 Hours	12 - 24 Hours	1 - 7 Days	8 Days or More	**Total**	Dead on Arrival	Less Than 12 Hours	12 - 24 Hours	1 - 7 Days	8 Days or More	**Grand Total**	Dead on Arrival	Less Than 12 Hours	12 - 24 Hours	1 - 7 Days	8 Days or More
Under 14	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	3	3	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	10	3	5	0	1	1
15 - 17	0	0	0	0	0	0	2	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	7	2	3	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	9	2	4	0	3	0
18 - 24	0	0	0	0	0	0	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	1	10	0	3	0	0	0	0	0	0	0	1	0	1	0	0	0	17	2	12	0	3	0
25 - 34	0	0	0	0	0	0	4	2	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	17	5	8	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	21	7	9	1	3	1
35 - 44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	17	6	9	0	2	0	1	0	0	0	0	1	1	0	1	0	0	0	20	6	10	0	2	2
45 - 54	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	2	4	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	10	2	4	1	3	0
55 - 64	0	0	0	0	0	0	4	1	1	0	0	2	0	0	0	0	0	0	1	0	0	0	0	1	23	4	12	1	0	6	3	0	0	0	0	3	0	0	0	0	0	0	31	5	13	1	0	12
65 - 74	0	0	0	0	0	0	3	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	11	0	6	1	3	1	2	0	0	0	0	2	3	0	1	0	1	1	19	0	8	1	5	5
75 and Over	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	10	1	3	1	2	3	2	0	0	0	0	2	0	0	0	0	0	0	13	1	3	1	2	6
Total	**0**	**0**	**0**	**0**	**0**	**0**	**19**	**4**	**7**	**1**	**2**	**5**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**0**	**0**	**0**	**0**	**2**	**116**	**24**	**58**	**4**	**19**	**11**	**8**	**0**	**0**	**0**	**0**	**8**	**5**	**0**	**3**	**0**	**1**	**1**	**150**	**28**	**68**	**5**	**22**	**27**

TABLE 47A MAJOR INJURY AND SURVIVAL INTERVAL - AGE GROUPS (DRIVERS)

	Abdomen						Brain						Chest						Miscellaneous						Multiple Injuries						Spinal Cord						Trunk						Total					
Age	Total	Dead on Arrival	Less Than 12 Hours	12 - 24 Hours	1 - 7 Days	8 Days or More	Total	Dead on Arrival	Less Than 12 Hours	12 - 24 Hours	1 - 7 Days	8 Days or More	Total	Dead on Arrival	Less Than 12 Hours	12 - 24 Hours	1 - 7 Days	8 Days or More	Total	Dead on Arrival	Less Than 12 Hours	12 - 24 Hours	1 - 7 Days	8 Days or More	Total	Dead on Arrival	Less Than 12 Hours	12 - 24 Hours	1 - 7 Days	8 Days or More	Total	Dead on Arrival	Less Than 12 Hours	12 - 24 Hours	1 - 7 Days	8 Days or More	Total	Dead on Arrival	Less Than 12 Hours	12 - 24 Hours	1 - 7 Days	8 Days or More	Grand Total	Dead on Arrival	Less Than 12 Hours	12 - 24 Hours	1 - 7 Days	8 Days or More
Under 14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 - 17	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	3	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	3	0	3	0
18 - 24	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	6	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	8	1	6	0	1	0
25 - 34	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	2	7	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	12	4	7	0	1	0
35 - 44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	4	3	0	0	0
45 - 54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	2	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	4	2	1	0	1	0
55 - 64	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	1	5	0	0	3	1	0	0	0	0	1	0	0	0	0	0	0	11	2	5	0	0	4
65 - 74	0	0	0	0	0	0	2	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	7	0	5	1	1	0	0	0	0	0	0	0	2	0	0	0	1	1	11	0	5	1	3	2
75 and Over	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	1	1	0	1	1	2	0	0	0	0	2	0	0	0	0	0	0	6	1	1	0	1	3
Total	**0**	**0**	**0**	**0**	**0**	**0**	**7**	**4**	**0**	**0**	**2**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**53**	**10**	**31**	**1**	**7**	**4**	**3**	**0**	**0**	**0**	**0**	**3**	**2**	**0**	**0**	**0**	**1**	**1**	**65**	**14**	**31**	**1**	**10**	**9**

MAJOR INJURY AND SURVIVAL INTERVAL - AGE GROUPS (MOTORCYCLISTS)

TABLE 47B

Age	Abdomen						Brain						Chest						Miscellaneous					
	Total	Dead on Arrival	Less Than 12 Hours	12 - 24 Hours	1 - 7 Days	8 Days or More	**Total**	Dead on Arrival	Less Than 12 Hours	12 - 24 Hours	1 - 7 Days	8 Days or More	**Total**	Dead on Arrival	Less Than 12 Hours	12 - 24 Hours	1 - 7 Days	8 Days or More	**Total**	Dead on Arrival	Less Than 12 Hours	12 - 24 Hours	1 - 7 Days	8 Days or More
Under 14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 - 17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 - 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 - 34	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 - 44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 - 54	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55 - 64	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
65 - 74	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75 and Over	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**0**	**0**	**0**	**0**	**0**	**0**	**4**	**0**	**2**	**1**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Age	Multiple Injuries						Spinal Cord						Trunk						Total					
	Total	Dead on Arrival	Less Than 12 Hours	12 - 24 Hours	1 - 7 Days	8 Days or More	**Total**	Dead on Arrival	Less Than 12 Hours	12 - 24 Hours	1 - 7 Days	8 Days or More	**Total**	Dead on Arrival	Less Than 12 Hours	12 - 24 Hours	1 - 7 Days	8 Days or More	**Grand Total**	Dead on Arrival	Less Than 12 Hours	12 - 24 Hours	1 - 7 Days	8 Days or More
Under 14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 - 17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 - 24	5	1	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	5	1	2	0	2	0
25 - 34	4	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	3	1	1	0	0
35 - 44	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	2	0	2	0	0	0
45 - 54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0
55 - 64	5	1	2	1	0	1	1	0	0	0	0	1	0	0	0	0	0	0	7	1	2	1	0	3
65 - 74	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	0	1	0
75 and Over	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**16**	**5**	**5**	**2**	**3**	**1**	**1**	**0**	**0**	**0**	**0**	**1**	**1**	**0**	**1**	**0**	**0**	**0**	**22**	**5**	**8**	**3**	**3**	**3**

TABLE 47C MAJOR INJURY AND SURVIVAL INTERVAL - AGE GROUPS (PASSENGERS)

	Abdomen						Brain						Chest						Miscellaneous					
Age	Total	Dead on Arrival	Less Than 12 Hours	12 - 24 Hours	1 - 7 Days	8 Days or More	Total	Dead on Arrival	Less Than 12 Hours	12 - 24 Hours	1 - 7 Days	8 Days or More	Total	Dead on Arrival	Less Than 12 Hours	12 - 24 Hours	1 - 7 Days	8 Days or More	Total	Dead on Arrival	Less Than 12 Hours	12 - 24 Hours	1 - 7 Days	8 Days or More
Under 14	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 - 17	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 - 24	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 - 34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 - 44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
45 - 54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55 - 64	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
65 - 74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75 and Over	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**0**	**0**	**0**	**0**	**0**	**0**	**5**	**0**	**4**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**1**

	Multiple Injuries						Spinal Cord						Trunk						Total					
Age	Total	Dead on Arrival	Less Than 12 Hours	12 - 24 Hours	1 - 7 Days	8 Days or More	Total	Dead on Arrival	Less Than 12 Hours	12 - 24 Hours	1 - 7 Days	8 Days or More	Total	Dead on Arrival	Less Than 12 Hours	12 - 24 Hours	1 - 7 Days	8 Days or More	Grand Total	Dead on Arrival	Less Than 12 Hours	12 - 24 Hours	1 - 7 Days	8 Days or More
Under 14	3	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	5	2	2	0	1	0
15 - 17	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	1	0	0	0
18 - 24	2	0	2	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	4	0	4	0	0	0
25 - 34	2	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	0	1	0
35 - 44	3	1	2	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	5	1	2	0	0	2
45 - 54	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0
55 - 64	2	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	3
65 - 74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75 and Over	3	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	2	0	1	0
Total	**17**	**4**	**8**	**0**	**3**	**2**	**1**	**0**	**0**	**0**	**0**	**1**	**1**	**0**	**1**	**0**	**0**	**0**	**25**	**4**	**13**	**0**	**3**	**5**

MAJOR INJURY AND SURVIVAL INTERVAL - AGE GROUPS (PEDESTRIANS)

	Abdomen						Brain						Chest					
Age	Total	Dead on Arrival	Less Than 12 Hours	12 - 24 Hours	1 - 7 Days	8 Days or More	Total	Dead on Arrival	Less Than 12 Hours	12 - 24 Hours	1 - 7 Days	8 Days or More	Total	Dead on Arrival	Less Than 12 Hours	12 - 24 Hours	1 - 7 Days	8 Days or More
Under 14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 - 17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 - 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 - 34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 - 44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 - 54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55 - 64	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
65 - 74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75 and Over	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

	Miscellaneous						Multiple Injuries						Spinal Cord					
Age	Total	Dead on Arrival	Less Than 12 Hours	12 - 24 Hours	1 - 7 Days	8 Days or More	Total	Dead on Arrival	Less Than 12 Hours	12 - 24 Hours	1 - 7 Days	8 Days or More	Total	Dead on Arrival	Less Than 12 Hours	12 - 24 Hours	1 - 7 Days	8 Days or More
Under 14	0	0	0	0	0	0	4	1	2	0	0	1	0	0	0	0	0	0
15 - 17	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
18 - 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 - 34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 - 44	0	0	0	0	0	0	5	1	2	0	2	0	0	0	0	0	0	0
45 - 54	0	0	0	0	0	0	4	0	2	0	2	0	0	0	0	0	0	0
55 - 64	0	0	0	0	0	0	6	2	4	0	0	0	0	0	0	0	0	0
65 - 74	0	0	0	0	0	0	2	0	1	0	1	0	0	0	0	0	0	0
75 and Over	0	0	0	0	0	0	3	0	0	1	0	2	0	0	0	0	0	0
Total	**0**	**0**	**0**	**0**	**0**	**0**	**25**	**5**	**11**	**1**	**5**	**3**	**0**	**0**	**0**	**0**	**0**	**0**

	Trunk						Total					
Age	Total	Dead on Arrival	Less Than 12 Hours	12 - 24 Hours	1 - 7 Days	8 Days or More	**Grand Total**	Dead on Arrival	Less Than 12 Hours	12 - 24 Hours	1 - 7 Days	8 Days or More
Under 14	0	0	0	0	0	0	4	1	2	0	0	1
15 - 17	0	0	0	0	0	0	1	1	0	0	0	0
18 - 24	0	0	0	0	0	0	0	0	0	0	0	0
25 - 34	0	0	0	0	0	0	0	0	0	0	0	0
35 - 44	0	0	0	0	0	0	5	1	2	0	2	0
45 - 54	0	0	0	0	0	0	4	0	2	0	2	0
55 - 64	0	0	0	0	0	0	7	2	5	0	0	0
65 - 74	1	0	1	0	0	0	3	0	2	0	1	0
75 and Over	0	0	0	0	0	0	3	0	0	1	0	2
Total	**1**	**0**	**1**	**0**	**0**	**0**	**27**	**5**	**13**	**1**	**5**	**3**

TABLE 48A GEOGRAPHICAL LOCATION - TYPE OF ACCIDENT* - CLASSIFICATION OF VICTIMS

	Auto												Motorcycle										Truck								Other**		Grand Total
	Auto		Fixed Object		Motorcycle		Non-Collision		Pedestrian		Truck		Fixed Object		Motorcycle		Non-Collision		Pedestrian		Truck		Fixed Object		Non-Collision		Pedestrain		Truck				
Cities	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
Beachwood																																	
Bicyclist	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	**1**
Broadview Heights																																	
Pedestrian	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**
Brooklyn																																	
Driver	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**
Cleveland																																	
Driver	2	1	10	2	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	4	0	0	1	0	0	2	0	1	0	**24**
Motorcyclist	0	0	0	0	2	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	**8**
Passenger	2	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	0	0	**8**
Pedestrian	0	0	0	0	0	0	0	0	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	2	0	0	0	1	**15**
Bicyclist	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	**1**
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	**1**
Cleveland Heights																																	
Pedestrian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	**1**
East Cleveland																																	
Driver	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**
Euclid																																	
Driver	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**
Motorcyclist	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**2**
Passenger	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	**4**
Garfield Heights																																	
Driver	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**
Motorcyclist	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**
Pedestrian	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**
Independence																																	
Passenger	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	**1**
Lakewood																																	
Driver	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**
Bicyclist	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	**1**

****Includes: All-Terrain Vehicle-Truck; Truck-Bicycle and Unknown Motor Vehicle-Pedestrian.**

GEOGRAPHICAL LOCATION - TYPE OF ACCIDENT* - CLASSIFICATION OF VICTIMS (continued)

TABLE 48A

	Auto												Motorcycle										Truck										Grand Total
	Auto		Fixed Object		Motorcycle		Non-Collision		Pedestrian		Truck		Fixed Object		Motorcycle		Non-Collision		Pedestrian		Truck		Fixed Object		Non-Collision		Pedestrain		Truck		Other**		Grand Total
Cities	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
Lyndhurst																																	
Driver	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Maple Heights																																	
Driver	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
North Olmsted																																	
Driver	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Pedestrian	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
North Royalton																																	
Driver	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Motorcyclist	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Parma																																	
Driver	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Pedestrian	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Parma Heights																																	
Driver	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Rocky River																																	
Driver	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
Shaker Heights																																	
Passenger	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Solon																																	
Driver	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Strongsville																																	
Passenger	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	3
Warrensville Heights																																	
Driver	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	3
Westlake																																	
Driver	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Total	5	3	15	5	4	0	0	0	9	4	4	3	5	0	2	0	0	0	0	0	2	1	8	0	0	1	6	3	4	3	4	3	94

**Includes: All-Terrain Vehicle-Truck; Truck-Bicycle and Unknown Motor Vehicle-Pedestrian.

TABLE 48B GEOGRAPHICAL LOCATION - TYPE OF ACCIDENT* - CLASSIFICATION OF VICTIMS

	Auto												Motorcycle										Truck										Grand Total
	Auto		Fixed Object		Motorcycle		Non-Collision		Pedestrian		Truck		Fixed Object		Motorcycle		Non-Collision		Pedestrian		Truck		Fixed Object		Non-Collision		Pedestrain		Truck		Other		Grand Total
Villages/Townships	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
Villages:																																	
Brooklyn Heights																																	
Driver	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Passenger	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Gates Mills																																	
Driver	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
Hunting Valley																																	
Driver	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
North Randall																																	
Driver	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Total	**0**	**0**	**2**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**5**

GEOGRAPHICAL LOCATION - TYPE OF ACCIDENT* - CLASSIFICATION OF VICTIMS

TABLE 48C

	Auto												Motorcycle										Truck										Grand Total
	Auto		Fixed Object		Motorcycle		Non-Collision		Pedestrian		Truck		Fixed Object		Motorcycle		Non-Collision		Pedestrian		Truck		Fixed Object		Non-Collision		Pedestrain		Truck		Other**		Grand Total
Out of County/Unknown	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
Out of County:																																	
Driver	1	0	4	2	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	1	0	4	1	0	0	0	0	2	1	1	1	**20**
Motorcyclist	0	0	0	0	3	0	0	0	0	0	0	0	3	0	2	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	**10**
Passenger	0	0	0	1	0	1	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1	2	0	**11**
Pedestrian	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	**3**
Bicyclist	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	**2**
Unknown Location:																																	
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	**5**
Total	**1**	**0**	**4**	**3**	**3**	**1**	**0**	**0**	**2**	**0**	**3**	**2**	**3**	**0**	**2**	**0**	**1**	**0**	**0**	**0**	**2**	**0**	**5**	**2**	**0**	**0**	**1**	**0**	**3**	**2**	**10**	**1**	**51**

****Includes: All-Terrain Vehicle. Non-Collision; Motorized Bicycle-Fixed Objects; Struck by Falling Objects; Truck-Bicycle; and Unknown Motor Vehicle Collision.**

TABLE 49

HOURLY - DAILY - ETHANOL INCIDENCE (ALL CASES*)

	Sunday						Monday						Tuesday						Wednesday						Thursday						Friday						Saturday						Totals						
	Total		Tested		Positive		Total		Tested		Positive		Total		Tested		Positive		Total		Tested		Positive		Total		Tested		Positive		Total		Tested		Positive		Total		Tested		Positive		Total		Tested		Positive		
Time	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	Grand Total
12:00 A.M.	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	1	0	1	0	1	2	2	1	2	0	2	4
1:00 A.M.	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	0	2	0	0	1	0	1	0	1	4	3	4	3	4	3	7
2:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	1	0	1	0	1	0	1	0	0	0	0	0	2	0	2	0	2	0	5	0	4	0	4	0	5
3:00 A.M.	2	1	2	1	2	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	2	3	2	2	0	5
4:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	1	2	1	0	0	0	3
5:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	2	0	1	0	1	0	0	0	0	0	0	0	5	0	4	0	1	0	5
6:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1	0	1	0	0	0	2	1	0	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	5	1	3	0	1	0	6
7:00 A.M.	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	4	1	3	0	0	0	5
8:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1	0	1	0	0	0	1
9:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
11:00 A.M.	0	0	0	0	0	0	0	1	0	1	0	0	0	1	0	0	0	0	1	0	1	0	0	0	0	1	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	3	3	3	1	0	0	6
Total A.M.	**4**	**2**	**3**	**2**	**3**	**1**	**2**	**3**	**2**	**3**	**1**	**1**	**5**	**1**	**5**	**0**	**1**	**0**	**4**	**0**	**4**	**0**	**0**	**0**	**6**	**3**	**4**	**0**	**1**	**0**	**10**	**1**	**6**	**1**	**4**	**1**	**3**	**4**	**3**	**2**	**2**	**2**	**34**	**14**	**27**	**8**	**12**	**5**	**48**
12:00 P.M.	0	0	0	0	0	0	1	1	1	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	2	0	1	0	0	0	1	0	1	0	0	0	6	1	5	1	0	0	7
1:00 P.M.	0	1	0	0	0	0	2	1	1	0	0	0	1	0	1	0	1	0	0	1	0	1	0	1	1	0	0	0	0	0	1	0	0	0	0	0	2	1	2	1	0	0	7	4	4	2	1	1	11
2:00 P.M.	0	2	0	0	0	0	2	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	2	0	1	0	0	0	0	0	0	0	0	0	6	2	3	0	2	0	8
3:00 P.M.	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	0	1	2	2	0	1	0	1	4
4:00 P.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	1	0	0	0	0	0	1	1	1	1	0	0	2	0	2	0	0	0	0	0	0	0	0	0	4	2	3	2	0	0	6
5:00 P.M.	1	1	1	0	0	0	0	2	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1	1	1	0	1	0	0	1	0	1	0	0	3	5	3	2	1	1	8
6:00 P.M.	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	3	0	2	0	1	0	1	0	1	0	7	0	6	0	3	0	7
7:00 P.M.	1	0	0	0	0	0	1	0	1	0	1	0	1	0	1	0	1	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	2	0	2	0	0	0	5	1	4	1	2	0	6
8:00 P.M.	1	0	1	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	2	0	0	0	0	0	1	0	1	0	1	0	7	0	3	0	2	0	7
9:00 P.M.	0	1	0	1	0	1	0	0	0	0	0	0	2	0	2	0	2	0	1	0	1	0	1	0	1	1	1	1	0	0	3	0	3	0	2	0	1	1	1	0	1	0	8	3	8	2	6	1	11
10:00 P.M.	1	0	1	0	1	0	2	0	1	0	1	0	1	0	1	0	1	0	1	1	1	1	1	0	1	1	1	1	0	1	1	0	1	0	0	0	1	0	1	0	1	0	8	2	7	2	5	1	10
11:00 P.M.	1	0	1	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0	1	0	0	0	0	0	1	0	1	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	5	1	3	1	1	0	6
Total P.M.	**5**	**5**	**4**	**1**	**2**	**1**	**13**	**4**	**7**	**2**	**3**	**1**	**8**	**2**	**6**	**2**	**5**	**0**	**5**	**2**	**2**	**2**	**2**	**1**	**9**	**4**	**8**	**4**	**1**	**1**	**19**	**1**	**13**	**0**	**6**	**0**	**9**	**5**	**9**	**3**	**4**	**1**	**68**	**23**	**49**	**14**	**23**	**5**	**91**
Grand Total	**9**	**7**	**7**	**3**	**5**	**2**	**15**	**7**	**9**	**5**	**4**	**2**	**13**	**3**	**11**	**2**	**6**	**0**	**9**	**2**	**6**	**2**	**2**	**1**	**15**	**7**	**12**	**4**	**2**	**1**	**29**	**2**	**19**	**1**	**10**	**1**	**12**	**9**	**12**	**5**	**6**	**3**	**102**	**37**	**76**	**22**	**35**	**10**	**139**

*Day and/or time is unknown for 11 cases.

HOURLY - DAILY - ETHANOL INCIDENCE (DRIVERS)

Time	Sunday						Monday						Tuesday						Wednesday						Thursday						Friday						Saturday						Totals						Grand Total
	Total		Tested		Positive		Total		Tested		Positive		Total		Tested		Positive		Total		Tested		Positive		Total		Tested		Positive		Total		Tested		Positive		Total		Tested		Positive		Total		Tested		Positive		
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
12:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0	0	1	1	1	1	0	1	2
1:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	0	2	0	0	1	0	1	0	1	2	1	2	1	2	1	3
2:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	1	0	0	0	0	0	1	0	1	0	1	0	3	0	2	0	2	0	3
3:00 A.M.	2	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	3	0	2	0	3
4:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1
5:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	2	0	1	0	1	0	0	0	0	0	0	0	4	0	3	0	1	0	4
6:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1
7:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1	0	1	0	0	0	1
9:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
11:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	3	0	3	0	0	0	3
Total A.M.	**2**	**0**	**2**	**0**	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**0**	**2**	**0**	**0**	**0**	**3**	**0**	**3**	**0**	**0**	**0**	**3**	**0**	**3**	**0**	**1**	**0**	**8**	**1**	**5**	**1**	**3**	**1**	**2**	**1**	**2**	**1**	**1**	**1**	**20**	**2**	**17**	**2**	**7**	**2**	**22**
12:00 P.M.	0	0	0	0	0	0	0	1	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	3	1	3	1	0	0	4
1:00 P.M.	0	0	0	0	0	0	1	1	0	0	0	0	1	0	1	0	1	0	0	1	0	1	0	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	4	2	1	1	1	1	6
2:00 P.M.	0	2	0	0	0	0	2	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	4	2	3	0	2	0	6
3:00 P.M.	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	0	1	2	2	0	1	0	1	4
4:00 P.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	1	0	0	0	0	0	1	1	1	1	0	0	2	0	2	0	0	0	0	0	0	0	0	0	4	2	3	2	0	0	6
5:00 P.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	1	0	0	0	2	0	1	0	0	2
6:00 P.M.	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2	0	1	0	0	0	2
7:00 P.M.	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0	2
8:00 P.M.	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	2	0	1	0	1	0	2
9:00 P.M.	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	0	1	0	1	0	0	1	0	1	0	1	0	0	0	0	0	0	0	2	1	2	1	2	0	3
10:00 P.M.	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	3	0	3	0	3	0	3
11:00 P.M.	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	2	0	2	0	1	0	2
Total P.M.	**2**	**2**	**1**	**0**	**0**	**0**	**6**	**2**	**2**	**1**	**1**	**0**	**4**	**1**	**4**	**1**	**3**	**0**	**3**	**1**	**1**	**1**	**1**	**1**	**4**	**3**	**3**	**3**	**1**	**0**	**7**	**1**	**5**	**0**	**2**	**0**	**3**	**3**	**3**	**2**	**2**	**1**	**29**	**13**	**19**	**8**	**10**	**2**	**42**
Grand Total	**4**	**2**	**3**	**0**	**2**	**0**	**6**	**2**	**2**	**1**	**1**	**0**	**6**	**1**	**6**	**1**	**3**	**0**	**6**	**1**	**4**	**1**	**1**	**1**	**7**	**3**	**6**	**3**	**2**	**0**	**15**	**2**	**10**	**1**	**5**	**1**	**5**	**4**	**5**	**3**	**3**	**2**	**49**	**15**	**36**	**10**	**17**	**4**	**64**

***Day and/or time is unknown for 1 case.**

TABLE 49B HOURLY - DAILY - ETHANOL INCIDENCE (MOTORCYCLISTS*)

	Sunday						Monday						Tuesday						Wednesday						Thursday						Friday						Saturday						Totals						
	Total		Tested		Positive		Total		Tested		Positive		Total		Tested		Positive		Total		Tested		Positive		Total		Tested		Positive		Total		Tested		Positive		Total		Tested		Positive		Total		Tested		Positive		
Time	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	Grand Total
12:00 A.M.	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
1:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	2	0	2	0	2	0	2
3:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
7:00 A.M.	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	0	0	0	2
8:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total A.M.	**1**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**1**	**0**	**0**	**0**	**1**	**0**	**1**	**0**	**1**	**0**	**1**	**0**	**1**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**1**	**0**	**1**	**0**	**6**	**0**	**4**	**0**	**2**	**0**	**6**
12:00 P.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1
1:00 P.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1	0	1	0	0	0	1
2:00 P.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:00 P.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:00 P.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 P.M.	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	3	0	3	0	1	0	3
6:00 P.M.	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	0	1	0	1	0	1	0	1	0	4	0	4	0	2	0	4
7:00 P.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1	0	1	0	0	0	1
8:00 P.M.	1	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	0	1	0	2
9:00 P.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	1	0	1	0	1	0	1
10:00 P.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1
11:00 P.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1
Total P.M.	**2**	**0**	**2**	**0**	**1**	**0**	**2**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**0**	**2**	**0**	**0**	**0**	**5**	**0**	**5**	**0**	**2**	**0**	**4**	**0**	**4**	**0**	**2**	**0**	**15**	**0**	**14**	**0**	**5**	**0**	**15**
Grand Total	**3**	**0**	**2**	**0**	**1**	**0**	**3**	**0**	**2**	**0**	**0**	**0**	**1**	**0**	**1**	**0**	**1**	**0**	**1**	**0**	**1**	**0**	**0**	**0**	**3**	**0**	**2**	**0**	**0**	**0**	**5**	**0**	**5**	**0**	**2**	**0**	**5**	**0**	**5**	**0**	**3**	**0**	**21**	**0**	**18**	**0**	**7**	**0**	**21**

*Day and/or time is unknown for 1 case.

HOURLY - DAILY - ETHANOL INCIDENCE (PASSENGERS)

TABLE 49C

	Sunday						Monday						Tuesday						Wednesday						Thursday						Friday						Saturday						Totals						
	Total		Tested		Positive		Total		Tested		Positive		Total		Tested		Positive		Total		Tested		Positive		Total		Tested		Positive		Total		Tested		Positive		Total		Tested		Positive		Total		Tested		Positive		
Time	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	Grand Total
12:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1:00 A.M.	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	1
2:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:00 A.M.	0	1	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	0	0	2
4:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2	0	0	0	0	2
5:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	2
8:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:00 A.M.	0	0	0	0	0	0	0	1	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	1	0	0	3
Total A.M.	**0**	**2**	**0**	**2**	**0**	**1**	**0**	**2**	**0**	**2**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**2**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**0**	**0**	**0**	**0**	**1**	**9**	**1**	**4**	**0**	**1**	**10**
12:00 P.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1:00 P.M.	0	1	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	1	2	1	1	0	0	3
2:00 P.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
3:00 P.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:00 P.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 P.M.	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	1
6:00 P.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:00 P.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:00 P.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9:00 P.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	2	0	2	0	0	0	2
10:00 P.M.	1	0	1	0	1	0	2	0	1	0	1	0	0	0	0	0	0	0	0	1	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	1	3	1	2	0	5
11:00 P.M.	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
Total P.M.	**1**	**1**	**1**	**0**	**1**	**0**	**3**	**1**	**2**	**1**	**1**	**1**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**1**	**0**	**0**	**2**	**0**	**2**	**0**	**0**	**0**	**2**	**0**	**1**	**0**	**0**	**0**	**0**	**1**	**0**	**1**	**0**	**0**	**9**	**4**	**6**	**3**	**2**	**1**	**13**
Grand Total	**1**	**3**	**1**	**2**	**1**	**1**	**3**	**3**	**2**	**3**	**1**	**1**	**1**	**1**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**1**	**0**	**0**	**3**	**2**	**3**	**0**	**0**	**0**	**2**	**0**	**1**	**0**	**0**	**0**	**0**	**3**	**0**	**1**	**0**	**0**	**10**	**13**	**7**	**7**	**2**	**2**	**23**

***Day and/or time is unknown for 2 cases.**

TABLE 49D HOURLY - DAILY - ETHANOL INCIDENCE (PEDESTRIANS)

	Sunday						Monday						Tuesday						Wednesday						Thursday						Friday						Saturday						Totals						
	Total		Tested		Positive		Total		Tested		Positive		Total		Tested		Positive		Total		Tested		Positive		Total		Tested		Positive		Total		Tested		Positive		Total		Tested		Positive		Total		Tested		Positive		
Time	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	Grand Total
12:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	1	0	1	0	1	1
1:00 A.M.	1	0	1	0	1	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	2	1	2	1	3
2:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	3	1	2	0	1	0	4
7:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
8:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total A.M.	**1**	**0**	**1**	**0**	**1**	**0**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**1**	**0**	**0**	**0**	**0**	**2**	**0**	**1**	**0**	**1**	**0**	**0**	**1**	**0**	**1**	**0**	**1**	**6**	**3**	**4**	**2**	**3**	**2**	**9**
12:00 P.M.	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1
1:00 P.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1	0	1	0	0	0	1
2:00 P.M.	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
3:00 P.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:00 P.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 P.M.	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2
6:00 P.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	1	0	1	0	1	0	1
7:00 P.M.	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	2	0	2	0	1	0	2
8:00 P.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	3	0	1	0	0	0	3
9:00 P.M.	0	1	0	1	0	1	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	1	0	0	0	0	2	2	2	1	2	1	4
10:00 P.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	1
11:00 P.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0	2
Total P.M.	**0**	**2**	**0**	**1**	**0**	**1**	**2**	**1**	**2**	**0**	**1**	**0**	**2**	**1**	**1**	**1**	**1**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**1**	**1**	**1**	**1**	**0**	**1**	**4**	**0**	**2**	**0**	**2**	**0**	**2**	**1**	**2**	**0**	**0**	**0**	**12**	**6**	**8**	**3**	**4**	**2**	**18**
Grand Total	1	2	1	1	1	1	3	2	3	1	2	1	3	1	2	1	1	0	1	0	0	0	0	0	2	2	1	1	0	1	6	0	3	0	3	0	2	2	2	1	0	1	18	9	12	5	7	4	27

HOURLY AND DAILY INCIDENCE* ARRANGED BY CLASSIFICATION

	Sunday								Monday								Tuesday								Wednesday								Thursday								Friday								Saturday								Totals								
	Driver		Motorcy;ist		Passenger		Pedestrian		Driver		Motorcy;ist		Passenger		Pedestrian		Driver		Motorcy;ist		Passenger		Pedestrian		Driver		Motorcy;ist		Passenger		Pedestrian		Driver		Motorcy;ist		Passenger		Pedestrian		Driver		Motorcy;ist		Passenger		Pedestrian		Driver		Motorcy;ist		Passenger		Pedestrian		Driver		Motorcy;ist		Passenger		Pedestrian		
Time	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	Grand Total
12:00 A.M.	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	4
1:00 A.M.	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	2	1	0	0	0	1	2	1	7
2:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	3	0	2	0	0	0	0	0	5
3:00 A.M.	2	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	2	0	0	5
4:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	1	0	0	0	0	2	0	0	3
5:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	4
6:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	3	1	6
7:00 A.M.	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2	0	1	1	1	0	5
8:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
9:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
11:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	3	0	0	6
Total A.M.	2	0	1	0	0	2	1	0	0	0	1	0	0	2	1	1	2	0	1	0	0	1	1	0	3	0	1	0	0	0	0	0	3	0	1	0	1	2	1	1	8	1	0	0	0	0	2	0	2	1	1	0	0	2	0	1	20	2	6	0	1	9	6	3	47
12:00 P.M.	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	3	1	1	0	0	0	1	0	6
1:00 P.M.	0	0	0	0	0	1	0	0	1	1	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	4	2	1	0	1	2	1	0	11
2:00 P.M.	0	2	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	4	2	0	0	1	0	1	0	8
3:00 P.M.	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	2	2	0	0	0	0	0	0	4
4:00 P.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	2	0	0	0	0	0	0	6
5:00 P.M.	0	0	1	0	0	0	0	1	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	2	3	0	0	1	0	2	8
6:00 P.M.	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	0	0	0	1	0	0	0	1	0	0	0	0	0	2	0	4	0	0	0	1	0	7
7:00 P.M.	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	1	1	0	0	0	2	0	5
8:00 P.M.	0	0	1	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	2	0	1	0	0	0	0	0	0	0	2	0	2	0	0	0	3	0	7
9:00 P.M.	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	1	0	0	0	1	0	1	0	0	0	1	0	0	0	0	1	2	1	1	0	2	0	2	2	10
10:00 P.M.	0	0	0	0	1	0	0	0	0	0	0	0	2	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	1	0	0	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	3	0	1	0	4	1	0	1	10
11:00 P.M.	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	0	1	0	1	1	6
Total P.M.	2	2	2	0	1	1	0	2	6	2	2	0	3	1	2	1	4	1	0	0	1	0	2	1	3	1	0	0	0	1	1	0	4	3	2	0	2	0	1	1	7	1	5	0	2	0	4	1	2	3	4	0	0	1	2	1	29	13	15	0	9	4	12	6	88
Grand Total	4	2	3	0	1	3	1	2	6	2	3	0	3	3	3	2	6	1	1	0	1	1	3	1	6	1	1	0	0	1	1	0	7	3	3	0	3	2	2	2	15	2	5	0	2	0	6	1	4	4	5	0	0	3	2	2	49	15	21	0	10	13	18	9	135

*Day and/or time is unknown for 4 cases.

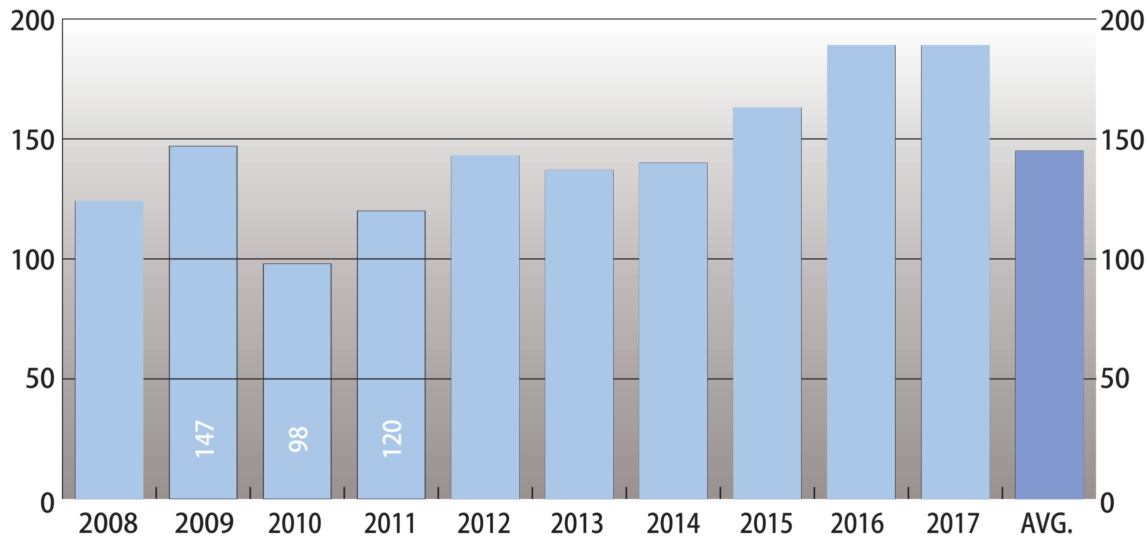
TABLE 51 HOURLY AND DAILY INCIDENCE* ARRANGED BY AGE GROUPS

	Sunday						Monday						Tuesday						Wednesday						Thursday						Friday						Saturday						Totals						
	Pre-School		School		Adult		Pre-School		TSchool		Adult		Pre-School		TSchool		Adult		Pre-School		TSchool		Adult		Pre-School		TSchool		Adult		Pre-School		TSchool		Adult		Pre-School		TSchool		Adult		Pre-School		TSchool		Adult		
Time	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	Grand Total
12:00 A.M.	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	2	2	4
1:00 A.M.	0	0	0	0	1	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	1	0	0	0	0	4	3	7
2:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	2	0	0	0	0	0	5	0	5
3:00 A.M.	0	0	0	0	2	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	2	5
4:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2	1	0	3
5:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	5	0	5
6:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	1	2	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	5	0	6
7:00 A.M.	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	3	1	5
8:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	1
9:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1
11:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	2	3	6
Total A.M.	**0**	**0**	**0**	**0**	**4**	**2**	**0**	**0**	**0**	**0**	**2**	**3**	**0**	**0**	**0**	**0**	**5**	**1**	**0**	**0**	**0**	**0**	**4**	**0**	**1**	**0**	**0**	**1**	**5**	**2**	**0**	**0**	**1**	**0**	**9**	**1**	**0**	**0**	**0**	**2**	**3**	**2**	**1**	**0**	**1**	**3**	**32**	**11**	**48**
12:00 P.M.	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1	0	0	0	0	0	1	0	2	0	1	0	3	1	7
1:00 P.M.	0	0	0	1	0	0	0	0	0	0	2	1	0	0	0	0	1	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	1	2	0	0	0	1	2	6	2	11
2:00 P.M.	0	0	0	0	0	2	0	0	0	0	2	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	5	2	8
3:00 P.M.	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2	2	4
4:00 P.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	1	0	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	2	0	2	2	6
5:00 P.M.	0	0	0	0	1	1	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	1	0	1	0	0	3	4	8
6:00 P.M.	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	1	0	0	0	0	0	7	0	7
7:00 P.M.	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	5	1	6
8:00 P.M.	0	0	0	0	1	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	0	0	0	0	0	1	0	0	0	0	0	7	0	7
9:00 P.M.	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	3	0	0	1	0	0	1	0	0	1	0	0	8	2	11
10:00 P.M.	0	0	1	0	0	0	0	0	0	0	2	0	0	0	0	0	1	0	0	0	0	1	1	0	0	0	0	1	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	1	2	7	0	10
11:00 P.M.	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	5	1	6
Total P.M.	**0**	**0**	**1**	**1**	**4**	**4**	**1**	**1**	**0**	**0**	**12**	**3**	**0**	**0**	**1**	**0**	**7**	**2**	**0**	**0**	**0**	**1**	**5**	**1**	**0**	**0**	**2**	**1**	**7**	**3**	**2**	**0**	**1**	**0**	**16**	**1**	**0**	**1**	**0**	**1**	**9**	**3**	**3**	**2**	**5**	**4**	**60**	**17**	**91**
Grand Total	**0**	**0**	**1**	**1**	**8**	**6**	**1**	**1**	**0**	**0**	**14**	**6**	**0**	**0**	**1**	**0**	**12**	**3**	**0**	**0**	**0**	**1**	**9**	**1**	**1**	**0**	**2**	**2**	**12**	**5**	**2**	**0**	**2**	**0**	**25**	**2**	**0**	**1**	**0**	**3**	**12**	**5**	**4**	**2**	**6**	**7**	**92**	**28**	**139**

***Day and/or time is unknown for 11 cases.**

2017 HOMICIDES

FOR A PERIOD OF TEN YEARS



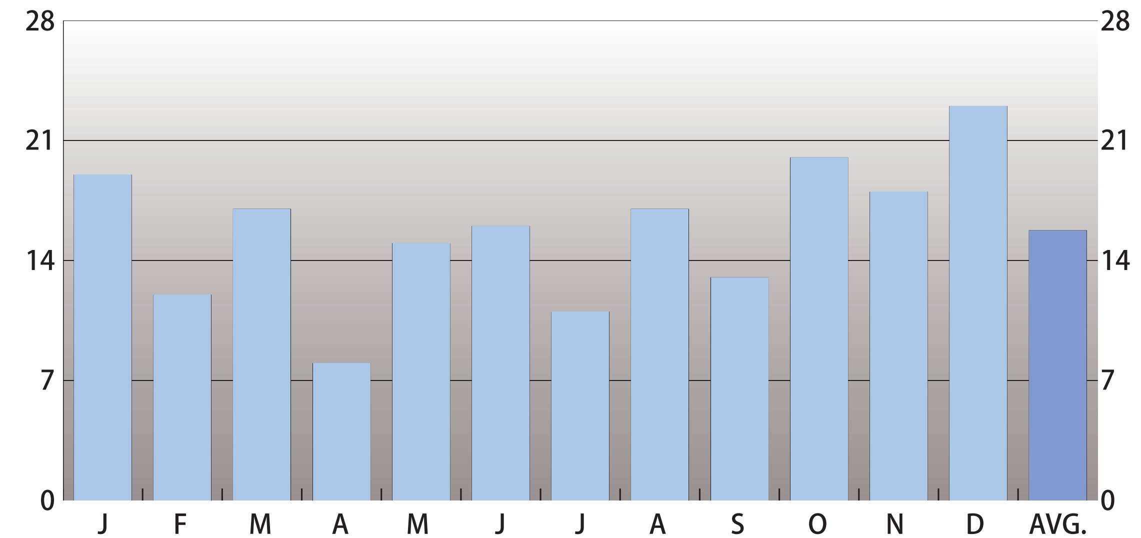
2017

TOTAL CASES

189

2017 HOMICIDES

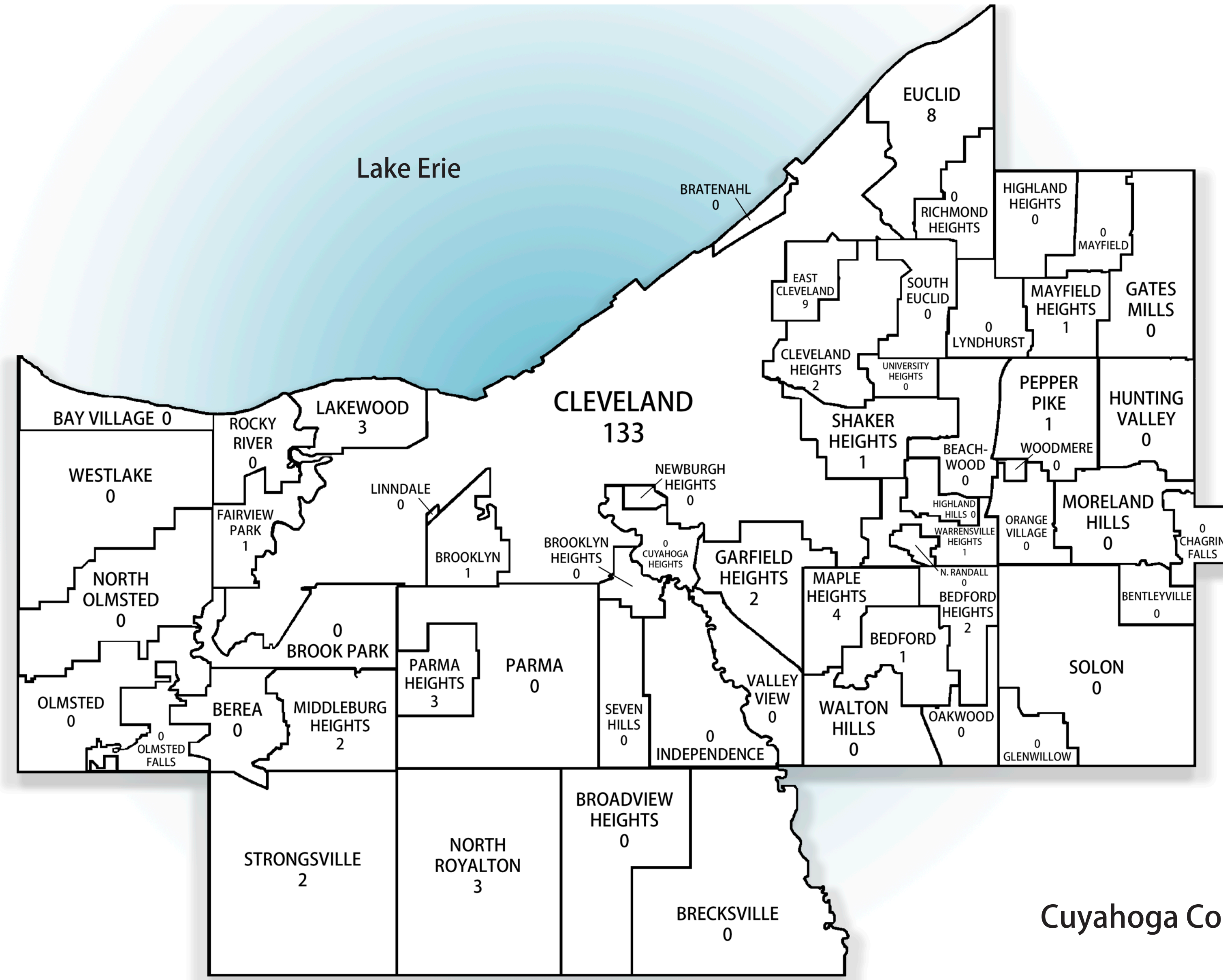
BY MONTH FOR THE YEAR 2017



		Number	Percent
Gender	Male	160	84.66%
	Female	29	15.34%
Race	White	38	20.11%
	Black	150	79.37%
	Asian	1	0.53%
Ethnicity	Hispanic	4	2.12%
	Non-Hispanic	185	97.88%
Ethanol	Tested	116	61.38%
	Positive	39	20.63%
Autopsied		189	100.00%

MAP 5A

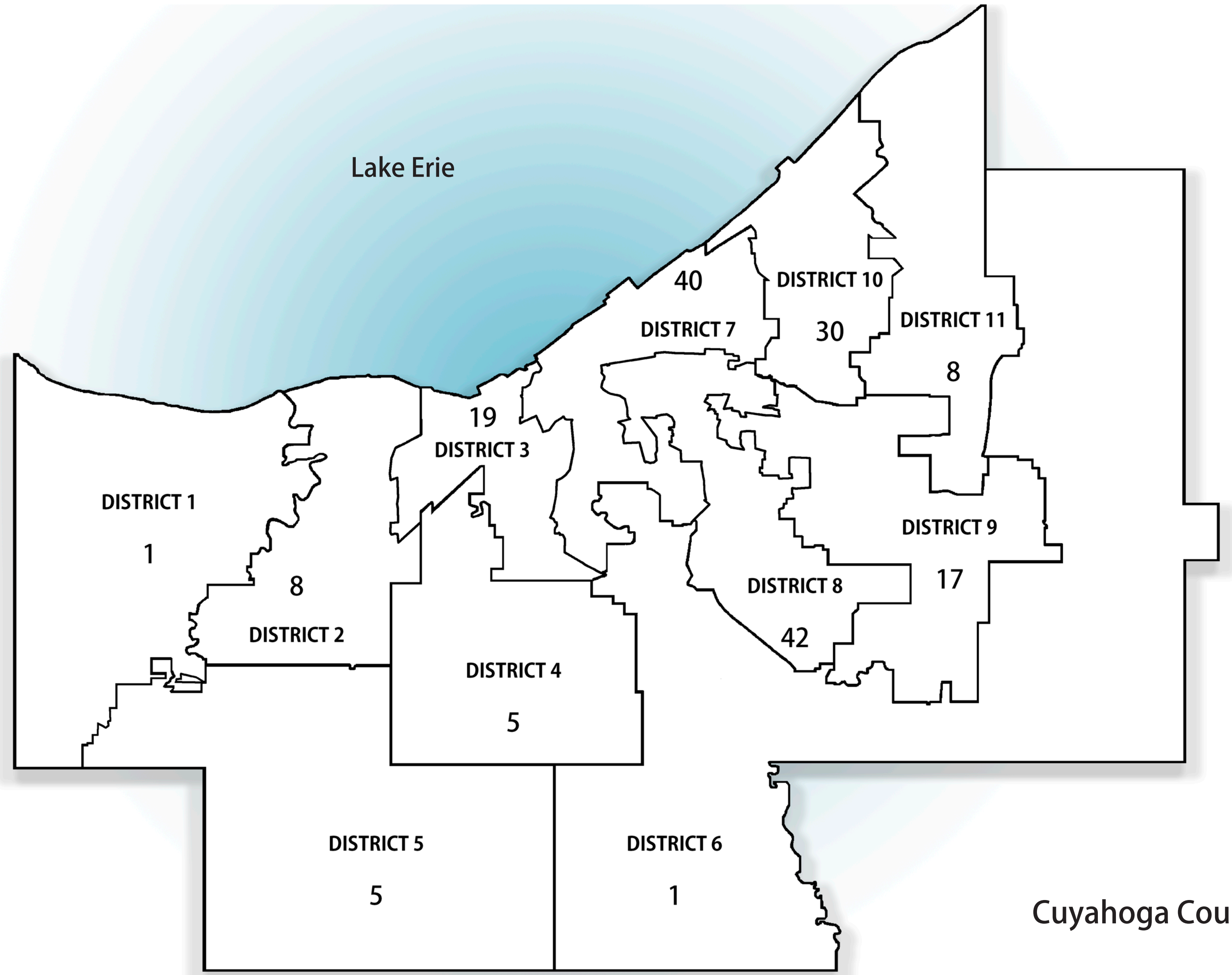
DISTRIBUTION OF HOMICIDES BY CITY*



***Injury location is unknown for 3 cases and 6 cases are from outside of Cuyahoga County.**

DISTRIBUTION OF HOMICIDES BY COUNCIL DISTRICT*

MAP 5B



* Injury location is unknown for 3 cases and 6 cases are from outside of Cuyahoga County. Council district was undetermined and/or not analyzed for 7 cases.

TABLE 52 MONTHLY ETHANOL INCIDENCE

		Total		Cleveland		County		Out of County		Turnpike		Unknown		Not Tested		Tested						Stages													
																Total		Negative		Positive		0.01% - 0.04%		0.05% - 0.08%		0.09% - 0.14%		0.15% - 0.19%		0.20% - 0.24%		0.25% - 0.29%		0.30% or Over	
Month	Total	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Jan.	19	14	5	11	2	2	2	0	1	1	0	0	1	14	4	11	2	3	2	1	1	0	0	1	1	0	0	1	0	0	0	0	0	0	0
Feb.	12	10	2	6	1	3	1	1	0	0	0	0	0	10	2	8	2	2	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0
Mar.	17	16	1	13	1	3	0	0	0	0	0	1	0	15	1	10	1	5	0	0	0	1	0	0	0	3	0	0	0	1	0	0	0	0	0
Apr.	8	6	2	5	2	1	0	0	0	0	0	0	0	6	2	3	1	3	1	1	0	0	1	0	0	1	0	1	0	0	0	0	0	0	0
May	15	11	4	8	2	3	2	0	0	0	0	1	0	10	4	6	1	4	3	1	1	0	0	1	2	2	0	0	0	0	0	0	0	0	0
Jun.	16	12	4	7	0	4	4	1	0	0	0	0	0	12	4	9	3	3	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0
July	11	8	3	7	0	1	3	0	0	0	0	1	1	7	2	5	2	2	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0
Aug.	17	15	2	13	1	1	1	1	0	0	0	5	0	10	2	4	1	6	1	0	1	4	0	1	0	0	0	0	0	1	0	0	0	0	0
Sept.	13	12	1	11	1	1	0	0	0	0	0	6	0	6	1	4	0	2	1	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0
Oct.	20	18	2	12	1	5	1	0	0	1	0	16	2	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nov.	18	16	2	10	2	5	0	1	0	0	0	15	2	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dec.	23	22	1	17	0	4	0	0	1	1	0	21	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**189**	**160**	**29**	**120**	**13**	**33**	**14**	**4**	**2**	**3**	**0**	**66**	**7**	**94**	**22**	**64**	**13**	**30**	**8**	**3**	**3**	**7**	**2**	**8**	**3**	**8**	**0**	**2**	**0**	**2**	**0**	**0**	**0**	**0**	**0**

AGE - RACE - ETHNICITY - ETHANOL INCIDENCE

TABLE 53

			Ethnicity		Not Tested		Tested						Stages													
							Total		Negative		Positive		0.01% - 0.04%		0.05% - 0.08%		0.09% - 0.14%		0.15% - 0.19%		0.20% - 0.24%		0.25% - 0.29%		0.30% or Over	
Age	Race	Total	Hispanic	Non-Hispanic	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Under 1 Year	White	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1 - 4	White	2	1	1	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	3	1	2	1	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 - 9	White	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	1	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 - 14	White	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	1	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 - 19	White	3	0	3	2	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	21	0	21	8	0	13	0	12	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 - 24	White	4	0	4	1	0	2	1	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
	Black	26	0	26	8	0	16	2	12	0	4	2	0	1	1	0	2	1	0	0	0	0	1	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 53 AGE - RACE - ETHNICITY - ETHANOL INCIDENCE (continued)

					Not Tested		Tested						Stages													
			Ethnicity				Total		Negative		Positive		0.01% - 0.04%		0.05% - 0.08%		0.09% - 0.14%		0.15% - 0.19%		0.20% - 0.24%		0.25% - 0.29%		0.30% or Over	
Age	Race	Total	Hispanic	Non-Hispanic	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
25 - 29	White	3	0	3	1	0	1	1	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	Black	24	0	24	8	1	14	1	11	0	3	1	0	0	1	1	1	0	0	0	1	0	0	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 - 34	White	2	0	2	1	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	Black	28	0	28	14	0	13	1	7	1	6	0	2	0	2	0	1	0	0	0	0	0	1	0	0	0
	Asian	1	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 - 39	White	3	0	3	0	0	2	1	1	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
	Black	15	0	15	4	0	9	2	6	2	3	0	0	0	2	0	1	0	0	0	0	0	0	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 - 44	White	2	1	1	1	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	Black	6	0	6	2	1	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 - 49	White	6	0	6	0	1	2	3	2	2	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	Black	5	0	5	2	0	3	0	1	0	2	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 - 54	White	3	0	3	1	0	2	0	0	0	2	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
	Black	10	0	10	3	1	5	1	2	0	3	1	1	0	0	1	0	0	2	0	0	0	0	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

AGE - RACE - ETHNICITY - ETHANOL INCIDENCE (continued)

			Ethnicity		Not Tested		Tested						Stages													
							Total		Negative		Positive		0.01% - 0.04%		0.05% - 0.08%		0.09% - 0.14%		0.15% - 0.19%		0.20% - 0.24%		0.25% - 0.29%		0.30% or Over	
Age	Race	Total	Hispanic	Non-Hispanic	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
55 - 59	White	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	3	0	3	1	0	1	1	0	0	1	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60 - 64	White	2	0	2	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65 - 69	White	2	0	2	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70 - 74	White	1	0	1	0	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
	Black	3	0	3	0	0	2	1	1	0	1	1	0	1	0	0	0	0	1	0	0	0	0	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75 - 79	White	1	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80 and Over	White	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 53 AGE - RACE - ETHNICITY - ETHANOL INCIDENCE (continued)

			Ethnicity		Not Tested		Tested						Stages													
							Total		Negative		Positive		0.01% - 0.04%		0.05% - 0.08%		0.09% - 0.14%		0.15% - 0.19%		0.20% - 0.24%		0.25% - 0.29%		0.30% or Over	
Age	Race	Total	Hispanic	Non-Hispanic	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Total	White	38	3	35	11	4	14	9	8	6	6	3	0	2	1	0	2	1	2	0	1	0	0	0	0	0
	Black	150	1	149	55	3	80	12	56	6	24	6	3	2	6	2	6	2	6	0	1	0	2	0	0	0
	Asian	1	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total		**189**	**4**	**185**	**66**	**7**	**94**	**22**	**64**	**13**	**30**	**9**	**3**	**4**	**7**	**2**	**8**	**3**	**8**	**0**	**2**	**0**	**2**	**0**	**0**	**0**

MODE - ETHANOL INCIDENCE

												Not Tested		Tested						Stages													
		Total		Cleveland		County		Out of County		Unknown				Total		Negative		Positive		0.01% - 0.04%		0.05% - 0.08%		0.09% - 0.14%		0.15% - 0.19%		0.20% - 0.24%		0.25% - 0.29%		0.30% or Over	
Mode	Total	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Asphyxia*	7	0	7	0	3	0	4	0	0	0	0	0	1	0	6	0	3	0	3	0	2	0	1	0	0	0	0	0	0	0	0	0	0
Assault	15	9	6	4	2	5	2	0	2	0	0	4	2	5	4	3	3	2	1	0	0	0	0	0	1	2	0	0	0	0	0	0	0
Others**	5	5	0	3	0	1	0	1	0	0	0	2	0	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Shooting	151	140	11	110	7	24	4	3	0	3	0	58	3	82	8	56	5	26	3	3	1	7	1	7	1	5	0	2	0	2	0	0	0
Stabbing	11	6	5	3	1	3	4	0	0	0	0	2	1	4	4	2	2	2	2	0	1	0	0	1	1	1	0	0	0	0	0	0	0
Total	**189**	**160**	**29**	**120**	**13**	**33**	**14**	**4**	**2**	**3**	**0**	**66**	**7**	**94**	**22**	**64**	**13**	**30**	**9**	**3**	**4**	**7**	**2**	**8**	**3**	**8**	**0**	**2**	**0**	**2**	**0**	**0**	**0**

*** Includes drowning and strangulation.**
**** Includes arson, miscellaneous, scalding and undetermined.**

TABLE 55

MODE - AGE GROUPS

Mode	< Than 1		1-4		5-9		10-14		15-19		20-24		25-29		30-34		35-39		40-44		45-49		50-54		55-59		60-64		65-69		70-74		75-79		80 and Over		Total		Grand Total
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
Asphyxia*	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	1	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	7	7
Assault	1	0	1	1	0	1	0	1	1	0	2	0	0	1	0	0	0	0	0	0	1	0	0	1	0	0	1	0	0	0	2	0	0	0	0	1	9	6	15
Others**	0	0	3	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	5
Shooting	0	0	0	0	0	0	1	0	22	0	25	2	24	2	29	1	14	2	5	1	5	2	8	0	2	0	2	0	0	0	1	0	1	1	1	0	140	11	151
Stabbing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	2	3	0	0	1	0	0	1	1	0	0	0	0	0	0	6	5	11
Total	1	1	4	1	1	1	1	1	23	1	27	3	24	3	29	2	15	3	6	2	7	4	11	2	2	1	3	0	1	1	3	1	1	1	1	1	160	29	189

*** Includes drowning and strangulation.**
**** Includes arson, miscellaneous, scalding and undetermined.**

PLACE OF OCCURRENCE - CIRCUMSTANCES - ASSAILANTS / VICTIMS - ETHANOL INCIDENCE

TABLE 56

												Not Tested		Tested						Stages													
		Total		Cleveland		County		Out of County		Unknown				Total		Negative		Positive		0.01% - 0.04%		0.05% - 0.08%		0.09% - 0.14%		0.15% - 0.19%		0.20% - 0.24%		0.25% - 0.29%		0.30% or Over	
Assailants	**Total**	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Home Circumstances: Police	2	2	0	1	0	0	0	1	0	0	0	0	0	2	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Public Circumstances: During or Following the Commission or Attempted Commission of a Felony Acquaintance	3	3	0	0	0	3	0	0	0	0	0	1	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Police	2	2	0	1	0	1	0	0	0	0	0	1	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Total	**7**	**7**	**0**	**2**	**0**	**4**	**0**	**1**	**0**	**0**	**0**	**2**	**0**	**5**	**0**	**3**	**0**	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**1**	**0**	**0**	**0**

TABLE 57A PLACE OF OCCURRENCE - CIRCUMSTANCES - ASSAILANTS / VICTIMS - ETHANOL INCIDENCE

														Tested						Stages															
		Total		Cleveland		County		Out of County		Unknown		Not Tested		Total		Negative		Positive		0.01% - 0.04%		0.05% - 0.08%		0.09% - 0.14%		0.15% - 0.19%		0.20% - 0.24%		0.25% - 0.29%		0.30% or Over	
Circumstances / Assailants	Total	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Home Circumstances: During or Following an Argument																																	
Acquaintance	2	2	0	2	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brother	1	0	1	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stepson	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Stranger	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown	**3**	**3**	**0**	**2**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**2**	**0**	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
During or Following the Commission or Attempted Commission of a Felony																																	
Acquaintance	1	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Former Partner	1	1	0	0	0	0	0	1	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stranger	1	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown	7	6	1	5	1	1	0	0	0	0	0	2	0	4	1	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Home Circumstances																																	
Acquaintance	3	1	2	0	0	0	2	1	0	0	0	0	0	1	2	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Caretaker	1	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Former Partner	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Grandmother	1	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Husband	1	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mother	1	0	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown	2	1	1	1	1	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Home Circumstances																																	
Acquaintance	7	2	5	1	0	1	5	0	0	0	0	0	1	2	4	1	3	1	1	0	1	0	0	0	0	1	0	0	0	0	0	0	0
Boyfriend	1	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Former Partner	1	0	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Girlfriend	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Husband	3	0	3	0	0	0	3	0	0	0	0	0	0	0	3	0	2	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Mother	2	1	1	1	1	0	0	0	0	0	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown	15	11	4	10	3	1	1	0	0	0	0	4	0	7	4	5	0	2	4	1	2	0	1	0	1	1	0	0	0	0	0	0	0
Wife	1	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**59**	**37**	**22**	**27**	**7**	**8**	**14**	**2**	**1**	**0**	**0**	**14**	**5**	**23**	**17**	**18**	**11**	**5**	**6**	**2**	**3**	**0**	**1**	**1**	**2**	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

PLACE OF OCCURRENCE - CIRCUMSTANCES - ASSAILANTS / VICTIMS - ETHANOL INCIDENCE

TABLE 57B

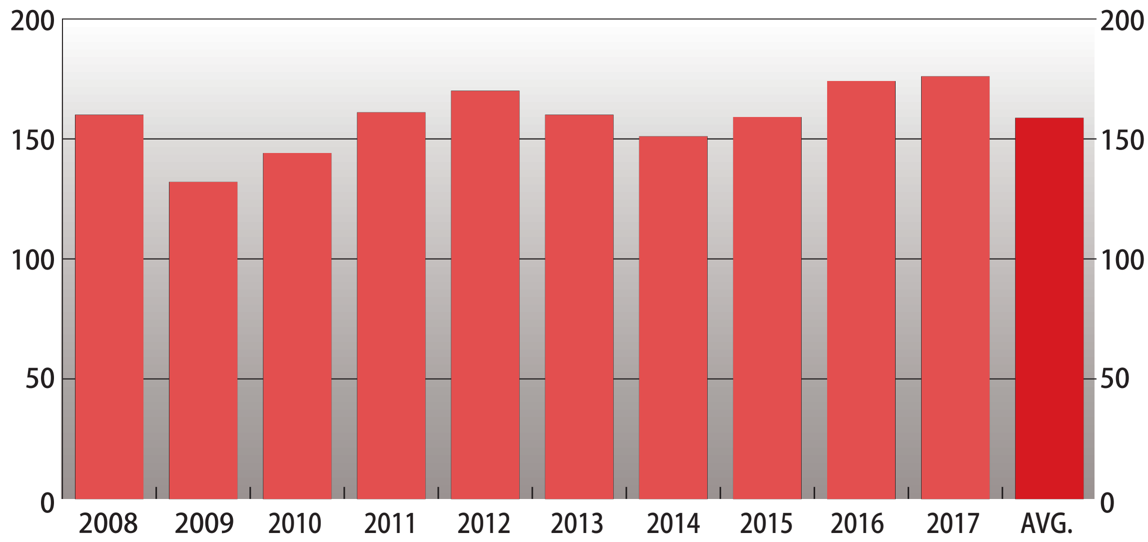
												Not Tested		Tested						Stages													
		Total		Cleveland		County		Out of County		Unknown				Total		Negative		Positive		0.01% - 0.04%		0.05% - 0.08%		0.09% - 0.14%		0.15% - 0.19%		0.20% - 0.24%		0.25% - 0.29%		0.30% or Over	
Circumstances / Assailants	**Total**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**
Public Circumstances: During or Following an Argument Stranger	4	3	1	2	1	1	0	0	0	0	0	0	0	3	1	2	0	1	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0
Unknown	11	11	0	10	0	1	0	0	0	0	0	5	0	6	0	2	0	4	0	0	0	0	0	2	0	1	0	0	0	1	0	0	0
During or Following the Commission or Attempted Commission of a Felony Acquaintance	5	4	1	1	1	3	0	0	0	0	0	2	1	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stranger	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown	16	14	2	14	2	0	0	0	0	0	0	2	0	12	2	8	2	4	0	1	0	0	0	1	0	2	0	0	0	0	0	0	0
Other Public Circumstances Acquaintance	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Caretaker	1	0	1	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Father	1	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stranger	4	4	0	4	0	0	0	0	0	0	0	1	0	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown	**6**	**6**	**0**	**4**	**0**	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**6**	**0**	**6**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Unknown Public Circumstances Unknown	73	71	2	55	2	12	0	1	0	3	0	39	0	32	2	18	0	14	2	0	1	7	0	3	1	3	0	1	0	0	0	0	0
Total	123	116	7	91	6	21	0	1	1	3	0	50	2	66	5	43	2	23	3	1	1	7	1	7	1	6	0	1	0	1	0	0	0

TABLE 58 HOMICIDES IN CUYAHOGA COUNTY FOR THE PAST 25 YEARS

Year	Total Homicides	Firearms	Firearm Percentage of Total	Blunt Violence (Manual, Pedal, and Instrumental Assault)	Edged and Pointed Weapons	Strangulation (Manual and Ligature)	All Others
1991	236	164	69.49	30	27	9	6
1992	221	143	64.71	34	25	4	15
1993	218	153	70.18	18	33	9	5
1994	179	135	75.42	9	15	15	5
1995	166	108	65.06	21	23	5	9
1996	144	93	64.58	22	15	5	9
1997	120	70	58.33	24	11	7	8
1998	123	76	61.79	23	7	5	12
1999	106	72	67.92	20	7	4	3
2000	100	56	56.00	15	16	3	10
2001	110	69	62.73	24	9	4	4
2002	117	65	55.56	18	20	4	10
2003	113	60	53.10	18	21	3	11
2004	108	71	65.74	13	11	4	9
2005	147	92	62.59	23	12	4	16
2006	146	101	69.18	19	15	2	9
2007	174	121	69.54	23	22	0	8
2008	124	85	68.55	18	10	2	9
2009	147	88	59.86	22	15	9	13
2010	98	67	68.37	9	8	7	7
2011	120	89	74.17	9	13	0	9
2012	143	100	69.93	24	9	7	3
2013	137	95	69.34	12	12	7	11
2014	140	105	75.00	14	12	2	7
2015	163	132	80.98	16	10	2	3
2016	189	150	79.37	25	8	2	4
2017	189	151	79.89	15	11	6	6

2017 SUICIDES

FOR A PERIOD OF TEN YEARS



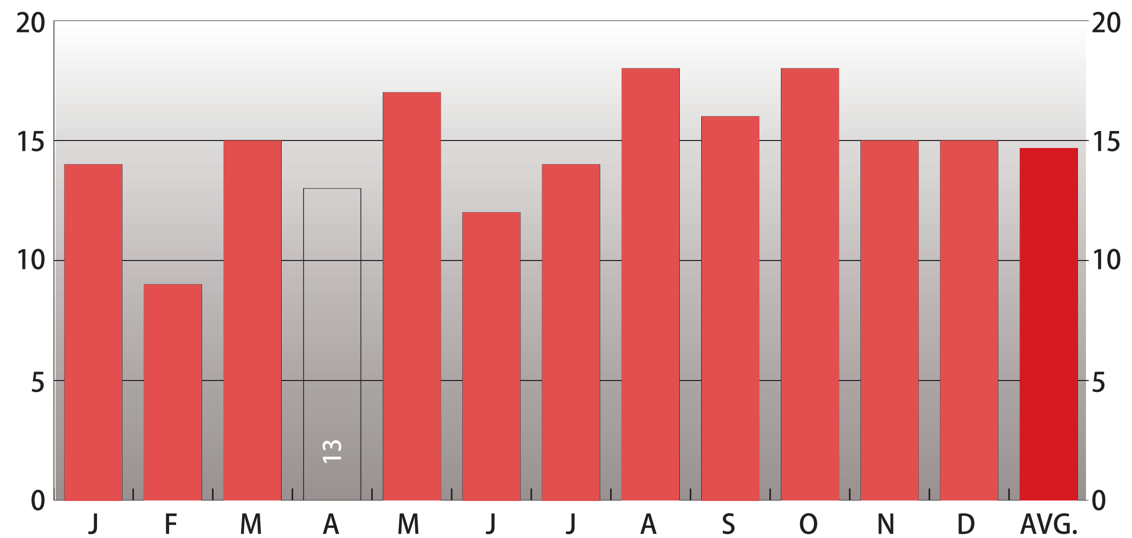
2017

TOTAL CASES

176

2017 SUICIDES

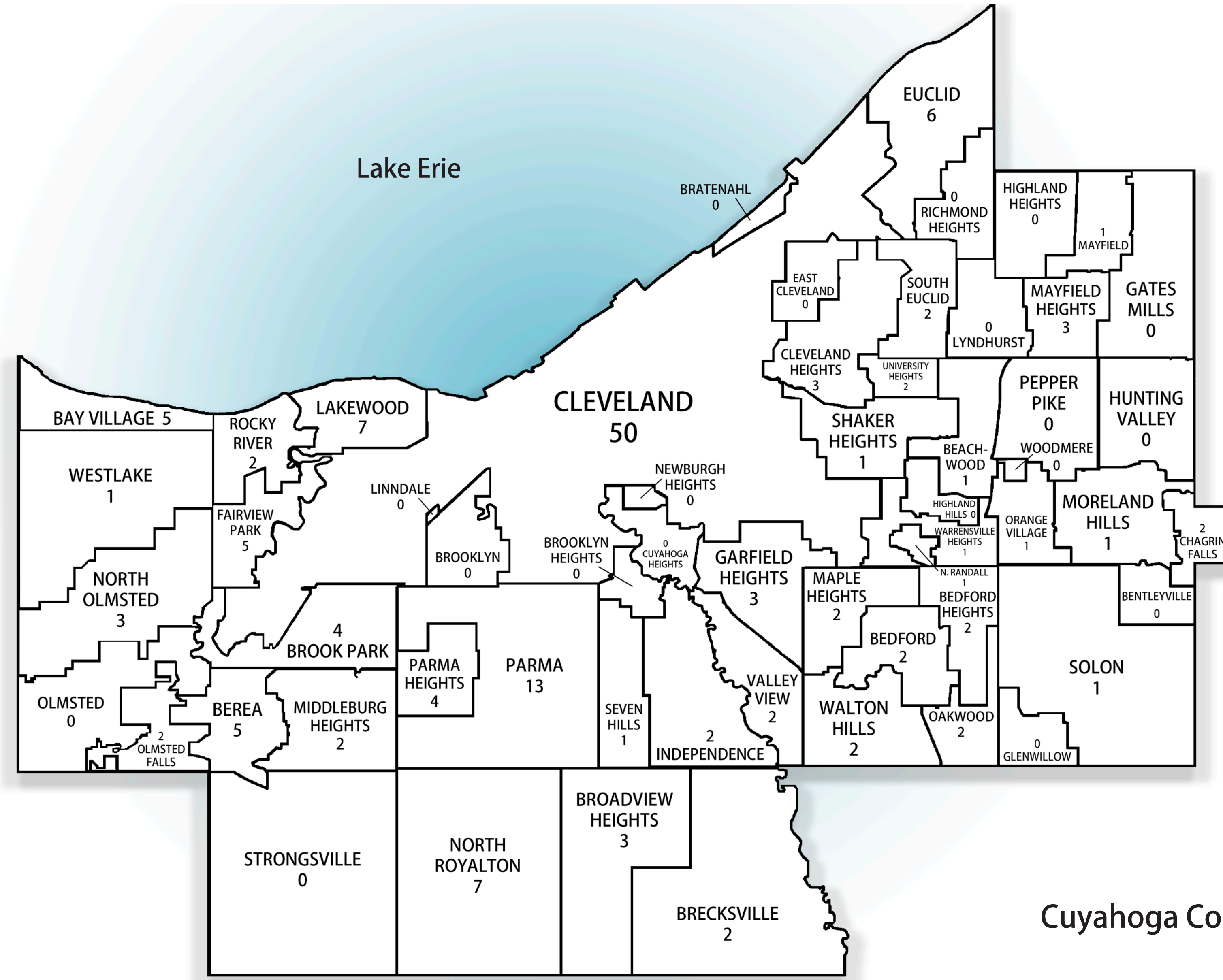
BY MONTH FOR THE YEAR 2017



		Number	Percent
Gender	Male	140	79.55%
	Female	36	20.45%
Race	White	142	80.68%
	Black	31	17.61%
	Asian	2	1.14%
	Asian Indian	1	0.57%
Ethnicity	Hispanic	7	3.98%
	Non-Hispanic	169	96.02%
Ethanol	Tested	144	81.82%
	Positive	49	27.84%
Autopsied		131	74.43%

MAP 6A

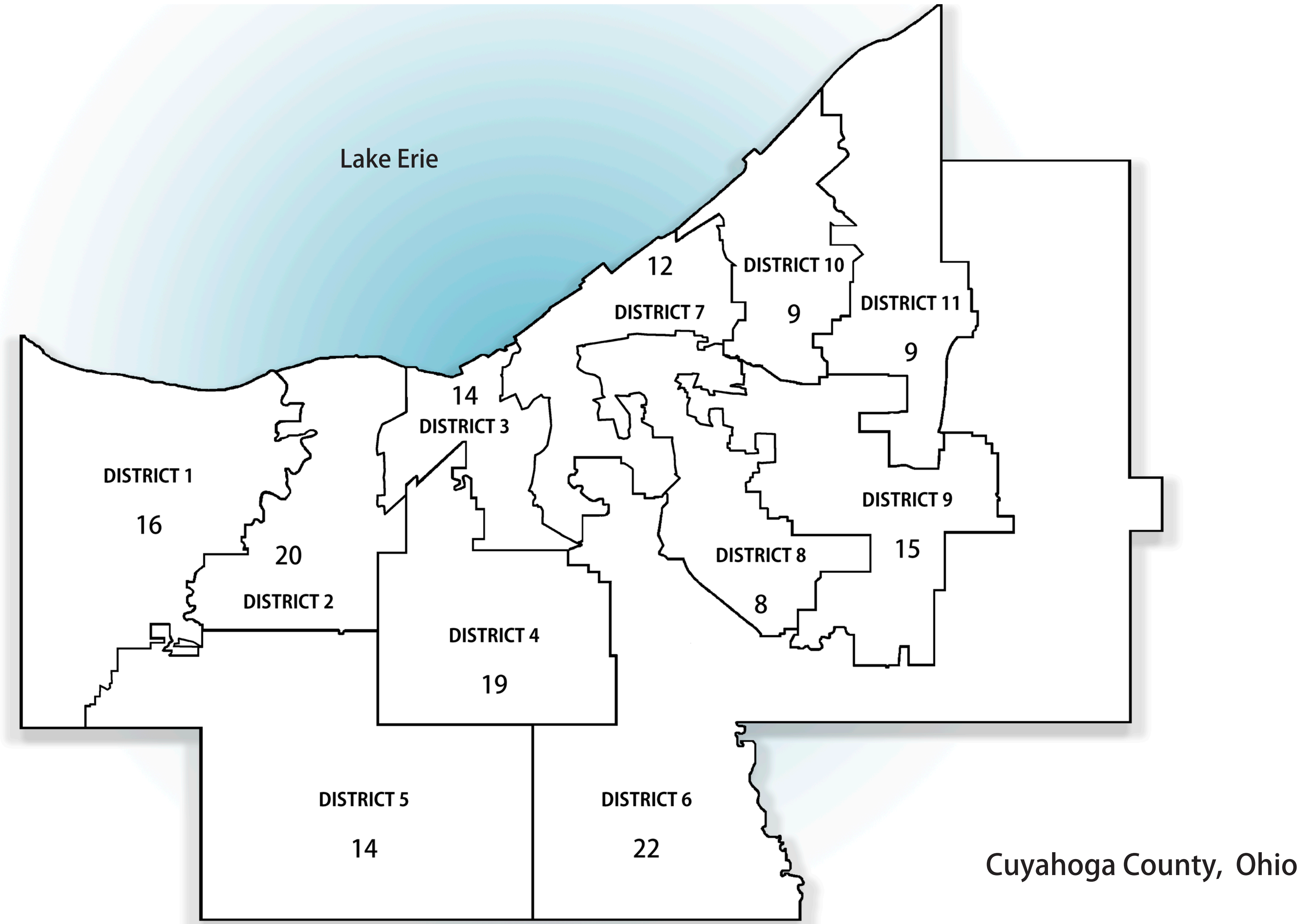
DISTRIBUTION OF SUICIDES BY CITY*



Cuyahoga County, Ohio

*Injury location is unknown for 4 cases and 13 cases are from outside of Cuyahoga County.

DISTRIBUTION OF SUICIDES BY COUNCIL DISTRICT*



*13 cases are from outside of Cuyahoga County. Council district was undetermined and/or not analyzed for 5 cases.

TABLE 59

MONTHLY ETHANOL INCIDENCE

Month	Total	Total		Cleveland		County		Out of County		Unknown		Not Tested		Tested						Stages													
														Total		Negative		Positive		0.01% - 0.04%		0.05% - 0.08%		0.09% - 0.14%		0.15% - 0.19%		0.20% - 0.24%		0.25% - 0.29%		0.30% or Over	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Jan.	14	11	3	4	1	6	2	0	0	1	0	2	2	9	1	7	1	2	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0
Feb.	9	6	3	4	1	2	2	0	0	0	0	0	1	6	2	4	1	2	1	0	0	0	0	1	1	0	0	1	0	0	0	0	0
Mar.	15	11	4	4	0	6	3	1	0	0	1	2	1	9	3	4	1	5	2	0	1	2	0	1	0	1	0	1	1	0	0	0	0
Apr.	13	10	3	2	1	6	1	2	1	0	0	4	0	6	3	4	2	2	1	1	0	0	0	0	1	0	0	1	0	0	0	0	0
May	17	13	4	3	0	9	4	1	0	0	0	3	1	10	3	9	3	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Jun.	12	9	3	5	1	4	1	0	0	0	1	0	1	9	2	3	1	6	1	3	0	0	1	1	0	1	0	0	0	0	0	1	0
July	14	12	2	3	1	8	1	1	0	0	0	1	0	11	2	8	2	3	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0
Aug.	18	11	7	1	1	9	5	1	1	0	0	1	1	10	6	5	4	5	2	1	0	3	1	0	0	1	0	0	0	0	0	0	1
Sept.	16	16	0	4	0	11	0	1	0	0	0	4	0	12	0	9	0	3	0	2	0	0	0	0	0	1	0	0	0	0	0	0	0
Oct.	18	14	4	4	1	9	3	1	0	0	0	1	0	13	4	9	4	4	0	1	0	1	0	2	0	0	0	0	0	0	0	0	0
Nov.	15	14	1	3	0	8	1	2	0	1	0	3	1	11	0	7	0	4	0	2	0	0	0	1	0	0	0	1	0	0	0	0	0
Dec.	15	13	2	6	0	6	2	1	0	0	0	2	1	11	1	6	1	5	0	0	0	1	0	2	0	1	0	0	0	1	0	0	0
Total	**176**	**140**	**36**	**43**	**7**	**84**	**25**	**11**	**2**	**2**	**2**	**23**	**9**	**117**	**27**	**75**	**20**	**42**	**7**	**11**	**1**	**8**	**2**	**10**	**2**	**6**	**0**	**5**	**1**	**1**	**0**	**1**	**1**

AGE - RACE - ETHNICITY - ETHANOL INCIDENCE

TABLE 60

			Ethnicity		Not Tested		Tested						Stages													
							Total		Negative		Positive		0.01% - 0.04%		0.05% - 0.08%		0.09% - 0.14%		0.15% - 0.19%		0.20% - 0.24%		0.25% - 0.29%		0.30% or Over	
Age	Race	Total	Hispanic	Non-Hispanic	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
9 and Under	White	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Asian Indian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 - 14	White	3	0	3	0	0	2	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Asian Indian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 - 19	White	6	1	5	1	1	3	1	1	1	2	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
	Black	1	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Asian Indian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 - 24	White	14	1	13	2	1	9	2	7	2	2	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0
	Black	4	0	4	1	0	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Asian Indian	1	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 - 29	White	10	1	9	0	0	8	2	3	1	5	1	2	0	0	1	2	0	1	0	0	0	0	0	0	0
	Black	7	0	7	2	0	5	0	3	0	2	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Asian Indian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 - 34	White	11	1	10	1	1	7	2	2	1	5	1	0	0	0	0	1	1	2	0	1	0	0	0	1	0
	Black	2	0	2	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Asian Indian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 - 39	White	9	0	9	1	0	7	1	4	1	3	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0
	Black	2	0	2	0	0	2	0	0	0	2	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Asian Indian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 - 44	White	14	2	12	3	0	8	3	6	0	2	3	1	1	0	1	0	1	0	0	0	0	1	0	0	0
	Black	5	0	5	0	0	4	1	3	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Asian Indian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 - 49	White	10	0	10	1	2	7	0	4	0	3	0	1	0	0	0	0	0	1	0	1	0	0	0	0	0
	Black	2	0	2	0	0	0	2	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Asian Indian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 60 AGE - RACE - ETHNICITY - ETHANOL INCIDENCE (continued)

			Ethnicity		Not Tested		Tested						Stages													
							Total		Negative		Positive		0.01% - 0.04%		0.05% - 0.08%		0.09% - 0.14%		0.15% - 0.19%		0.20% - 0.24%		0.25% - 0.29%		0.30% or Over	
Age	Race	Total	Hispanic	Non-Hispanic	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
50 - 54	White	7	0	7	0	0	6	1	4	1	2	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
	Black	4	0	4	1	0	3	0	2	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Asian Indian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55 - 59	White	15	0	15	2	3	7	3	4	2	3	1	0	0	1	0	1	0	0	0	1	0	0	0	0	1
	Black	1	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Asian	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Asian Indian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60 - 64	White	15	0	15	1	0	11	3	4	3	7	0	3	0	1	0	1	0	1	0	1	0	0	0	0	0
	Black	1	0	1	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Asian Indian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65 - 69	White	8	0	8	1	0	6	1	5	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
	Black	1	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Asian Indian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70 - 74	White	7	1	6	2	0	3	2	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Asian	1	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Asian Indian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75 - 79	White	5	0	5	1	0	3	1	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	1	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Asian Indian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80 and Over	White	8	0	8	2	1	5	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Asian Indian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	White	142	7	135	18	9	92	23	57	17	35	6	9	1	6	2	9	2	5	0	4	0	1	0	1	1
	Black	31	0	31	4	0	23	4	16	3	7	1	2	0	2	0	1	0	1	0	1	1	0	0	0	0
	Asian	2	0	2	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Asian Indian	1	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total		**176**	**7**	**169**	**23**	**9**	**117**	**27**	**75**	**20**	**42**	**7**	**11**	**1**	**8**	**2**	**10**	**2**	**6**	**0**	**5**	**1**	**1**	**0**	**1**	**1**

MODE - ETHANOL INCIDENCE

												Not Tested		Tested						Stages													
		Total		Cleveland		County		Out of County		Unknown				Total		Negative		Positive		0.01% - 0.04%		0.05% - 0.08%		0.09% - 0.14%		0.15% - 0.19%		0.20% - 0.24%		0.25% - 0.29%		0.30% or Over	
Mode	Total	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Asphyxia	48	36	12	13	2	19	10	3	0	1	0	7	2	29	10	19	7	10	3	4	0	2	1	2	1	2	0	0	1	0	0	0	0
Carbon Monoxide	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Cutting and Stabbing	3	3	0	1	0	1	0	1	0	0	0	1	0	2	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Jumping	9	7	2	1	0	5	2	1	0	0	0	2	1	5	1	4	0	1	1	0	1	0	0	0	0	1	0	0	0	0	0	0	0
Others*	6	3	3	1	2	2	0	0	1	0	0	1	1	2	2	1	1	1	1	0	0	0	1	0	0	0	0	1	0	0	0	0	0
Poisoning	21	11	10	2	1	8	6	0	1	1	2	2	3	9	7	4	6	5	1	1	0	2	0	0	1	0	0	2	0	0	0	0	0
Shooting	88	79	9	24	2	49	7	6	0	0	0	10	2	69	7	46	6	23	1	6	0	4	0	8	0	2	0	2	0	0	0	1	1
Total	**176**	**140**	**36**	**43**	**7**	**84**	**25**	**11**	**2**	**2**	**2**	**23**	**9**	**117**	**27**	**75**	**20**	**42**	**7**	**11**	**1**	**8**	**2**	**10**	**2**	**6**	**0**	**5**	**1**	**1**	**0**	**1**	**1**

*** Includes: Burning, Motor Vehicle Collision, and Train-Pedestrian.**

TABLE 62 MODE* - ETHANOL INCIDENCE

		Total		Cleveland		County		Out of County		Unknown		Not Tested		Tested: Total		Tested: Negative		Tested: Positive		Stages: 0.01% - 0.04%		Stages: 0.05% - 0.08%		Stages: 0.09% - 0.14%		Stages: 0.15% - 0.19%		Stages: 0.20% - 0.24%		Stages: 0.25% - 0.29%		Stages: 0.30% or Over	
Mode	**Total**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**
Asphyxia:																																	
Drowning	1	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Hanging	41	32	9	11	1	18	8	2	0	1	0	7	2	25	7	15	5	10	2	4	0	2	1	2	0	2	0	0	1	0	0	0	0
Natural Gas	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Plastic Bag	5	3	2	1	0	1	2	1	0	0	0	0	0	3	2	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**48**	**36**	**12**	**13**	**2**	**19**	**10**	**3**	**0**	**1**	**0**	**7**	**2**	**29**	**10**	**19**	**7**	**10**	**3**	**4**	**0**	**2**	**1**	**2**	**1**	**2**	**0**	**0**	**1**	**0**	**0**	**0**	**0**
Carbon Monoxide:																																	
Auto Exhaust	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Total	**1**	**1**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Jumping:																																	
Bridge	8	6	2	0	0	5	2	1	0	0	0	1	1	5	1	4	0	1	1	0	1	0	0	0	0	1	0	0	0	0	0	0	0
Building	1	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**9**	**7**	**2**	**1**	**0**	**5**	**2**	**1**	**0**	**0**	**0**	**2**	**1**	**5**	**1**	**4**	**0**	**1**	**1**	**0**	**1**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

*** Does not include Cutting and Stabbing, Poisoning, and Shooting deaths.**

POISONING - ETHANOL INCIDENCE

												Not Tested		Tested						Stages													
		Total		Cleveland		County		Out of County		Unknown				Total		Negative		Positive		0.01% - 0.04%		0.05% - 0.08%		0.09% - 0.14%		0.15% - 0.19%		0.20% - 0.24%		0.25% - 0.29%		0.30% or Over	
Poisoning	Total	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Single Chemical Agent: Acetaminophen	2	1	1	0	0	0	0	0	0	0	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diphenhydramine	1	0	1	0	0	1	0	0	1	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unspecified Drug	1	0	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Zolpidem	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Two or More Chemical Agents: Acetaminophen, Diphenhydramine	1	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alprazolam, Benzodiazepines	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alprazolam, Zolpidem	1	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Benzodiazepines, Opiates	1	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bupropion, Gabapentin, Sertraline	1	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cilostazol, Tamsulosin	1	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Citalopram, Diphenhydramine, Quetiapine, Sertraline	1	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Citalopram, Zolpidem	1	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diphenhydramine, Hydroxyzine	1	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Estazolam, Zolpidem	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Combined Effects of Ethanol & Single/Multiple Chemical Agents: Acetaminophen, Oxydodone	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Alprazolam, Doxepine	1	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Cocaine, Diphenhydramine, Fentanyl	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Gabapentin	1	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Insulin	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Pentobarbital	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**21**	**11**	**10**	**2**	**1**	**8**	**6**	**0**	**1**	**1**	**2**	**2**	**3**	**9**	**7**	**4**	**6**	**5**	**1**	**1**	**0**	**2**	**0**	**0**	**1**	**0**	**0**	**2**	**0**	**0**	**0**	**0**	**0**

TABLE 64 MODE - AGE GROUPS

Mode	9 and Under		10-14		15-19		20-24		25-29		30-34		35-39		40-44		45-49		50-54		55-59		60-64		65-69		70-74		75-79		80 and Over		Total		Grand Total
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
Asphyxia	0	0	2	1	2	1	2	0	3	1	4	2	6	0	3	1	5	1	2	0	0	1	2	2	2	0	0	1	0	1	3	0	36	12	48
Carbon Monoxide	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Cutting and Stabbing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	3	0	3
Jumping	0	0	0	0	0	0	2	0	1	0	0	1	0	0	0	1	1	0	0	0	2	0	1	0	0	0	0	0	0	0	0	0	7	2	9
Others*	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	1	0	0	1	0	0	1	1	0	0	0	0	0	0	0	0	0	3	3	6
Poisoning	0	0	0	0	0	1	2	2	0	0	0	0	0	0	1	1	1	0	1	0	2	3	1	1	0	1	2	0	1	0	0	1	11	10	21
Shooting	0	0	0	0	2	0	10	1	10	0	5	1	4	1	9	0	1	3	6	1	7	1	8	0	6	0	4	1	4	0	3	0	79	9	88
Total	**0**	**0**	**2**	**1**	**5**	**2**	**16**	**3**	**15**	**2**	**9**	**4**	**10**	**1**	**15**	**4**	**8**	**4**	**10**	**1**	**11**	**6**	**13**	**3**	**8**	**1**	**6**	**2**	**5**	**1**	**7**	**1**	**140**	**36**	**176**

*** Includes: Burning, Motor Vehicle Collision, and Train-Pedestrian.**

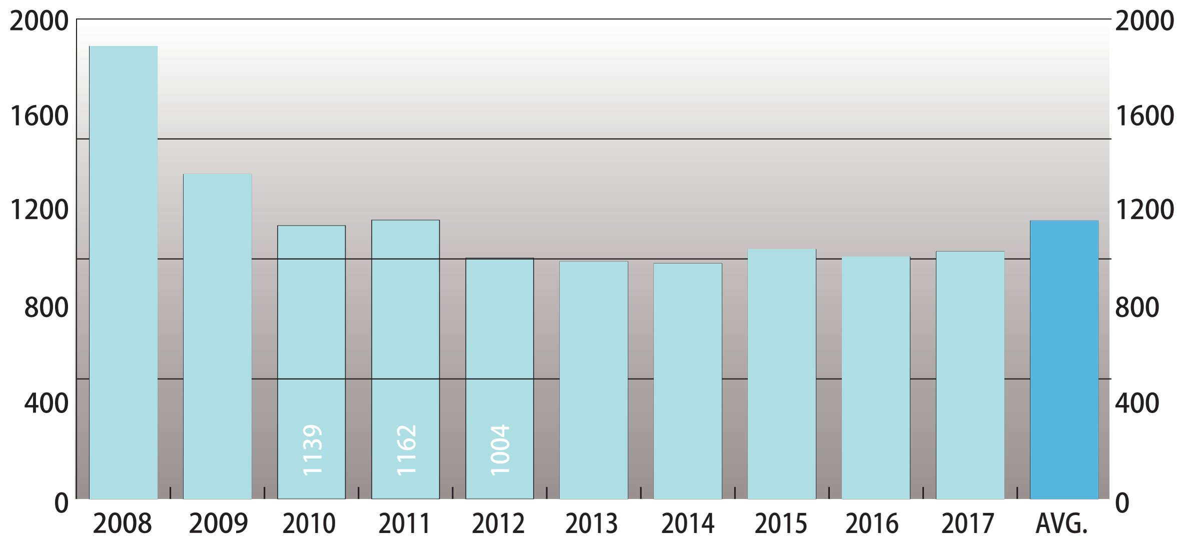
MODE, GEOGRAPHICAL LOCATION AND MARITAL STATUS

	Cleveland												County												Out of County												Unknown														
	Married		Single		Widowed		Divorced		Unknown		Total		Married		Single		Widowed		Divorced		Unknown		Total		Married		Single		Widowed		Divorced		Unknown		Total		Married		Single		Widowed		Divorced		Unknown		Total		Total		Grand Total
Mode	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
Asphyxia	2	1	9	1	1	0	1	0	0	0	13	2	8	2	8	4	1	1	1	3	1	0	19	10	0	0	3	0	0	0	0	0	0	0	3	0	0	0	1	0	0	0	0	0	0	0	1	0	36	12	48
Carbon Monoxide	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Cutting and Stabbing	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	3
Jumping	0	0	1	0	0	0	0	0	0	0	1	0	0	1	4	1	0	0	1	0	0	0	5	2	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	7	2	9
Other*	0	1	0	1	0	0	1	0	0	0	1	2	0	0	2	0	0	0	0	0	0	0	2	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	3	3	6
Poisoning	0	1	0	0	0	0	2	0	0	0	2	1	3	0	3	1	1	3	1	2	0	0	8	6	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	1	1	0	0	1	2	11	10	21
Shooting	3	0	16	2	0	0	5	0	0	0	24	2	13	2	21	3	4	0	11	2	0	0	49	7	2	0	3	0	0	0	1	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	79	9	88
Total	**5**	**3**	**28**	**4**	**1**	**0**	**9**	**0**	**0**	**0**	**43**	**7**	**25**	**5**	**38**	**9**	**6**	**4**	**14**	**7**	**1**	**0**	**84**	**25**	**2**	**1**	**7**	**1**	**1**	**0**	**1**	**0**	**0**	**0**	**11**	**2**	**0**	**0**	**1**	**1**	**0**	**0**	**1**	**1**	**0**	**0**	**2**	**2**	**140**	**36**	**176**

*** Includes: Burning, Motor Vehicle Collision, and Train-Pedestrian.**

Photograph by J. Bielinski

2017 DEATHS FROM NATURAL CAUSES
FOR A PERIOD OF TEN YEARS

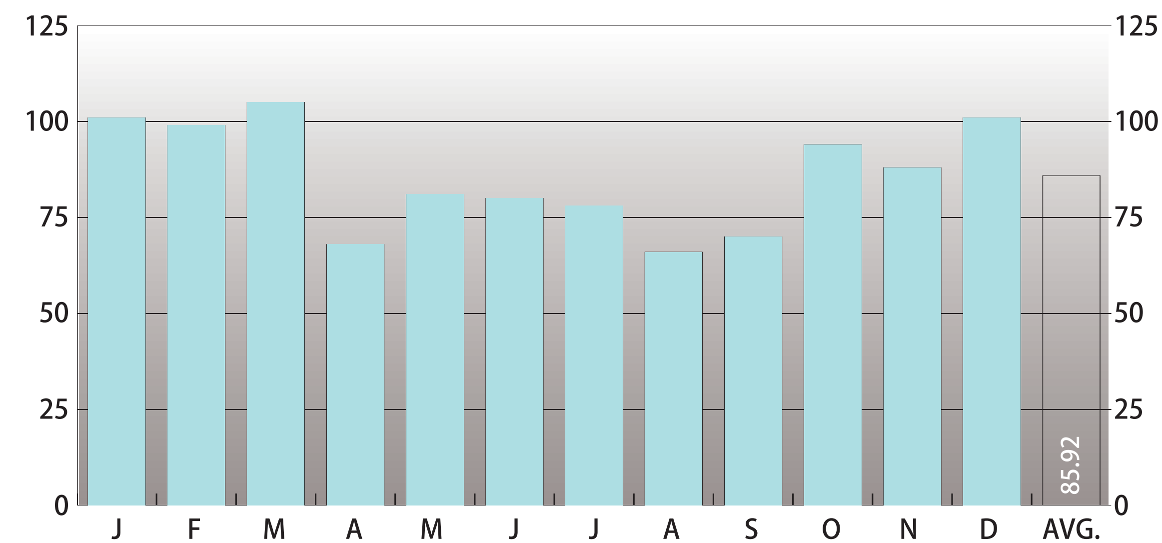


2017

TOTAL CASES

1031

2017 DEATHS FROM NATURAL CAUSES
BY MONTH FOR THE YEAR 2017



		Number	Percent
Gender	Male	675	65.47%
	Female	365	35.40%
Race	White	663	64.31%
	Black	359	34.82%
	Asian	6	0.58%
	Native Hawaiian or Pacific Islander	2	0.19%
	Unknown	1	0.10%
Ethnicity	Hispanic	16	1.55%
	Non-Hispanic	1015	98.45%
Ethanol	Tested	484	46.94%
	Positive	126	12.22%
Autopsied		383	37.15%

TABLE 66 MONTHLY ETHANOL INCIDENCE

		Total		Not Tested		Tested						Stages													
						Total		Negative		Positive		0.01% - 0.04%		0.05% - 0.08%		0.09% - 0.14%		0.15% - 0.19%		0.20% - 0.24%		0.25% - 0.29%		0.30% or Over	
Month	Total	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Jan.	101	62	39	26	24	36	15	25	13	11	2	5	1	2	1	1	0	1	0	0	0	1	0	1	0
Feb.	99	71	28	29	17	42	11	33	10	9	1	7	1	1	0	1	0	0	0	0	0	0	0	0	0
Mar.	105	73	32	32	16	41	16	28	9	13	7	6	4	2	0	2	2	0	1	0	0	1	0	2	0
Apr.	68	48	20	18	13	30	7	22	5	8	2	5	2	0	0	1	0	1	0	0	0	0	0	1	0
May	81	50	31	31	20	19	11	14	8	5	3	2	2	1	1	1	0	0	0	0	0	0	0	1	0
Jun.	80	52	28	22	16	30	12	22	9	8	3	3	2	1	1	1	0	1	0	0	0	0	0	2	0
July	78	44	34	20	19	24	15	19	11	5	4	1	1	1	1	1	2	0	0	0	0	2	0	0	0
Aug.	66	44	22	17	15	27	7	16	7	11	0	4	0	1	0	1	0	0	0	2	0	1	0	2	0
Sept.	70	44	26	25	14	19	12	13	10	6	2	3	2	1	0	1	0	0	0	0	0	0	0	1	0
Oct.	94	64	30	36	18	28	12	25	8	3	4	2	4	0	0	0	0	0	0	1	0	0	0	0	0
Nov.	88	58	30	35	17	23	13	16	11	7	2	4	1	0	0	1	1	1	0	0	0	0	0	1	0
Dec.	101	65	36	42	25	23	11	15	9	8	2	4	1	1	1	1	0	0	0	0	0	1	0	1	0
Total	**1031**	**675**	**356**	**333**	**214**	**342**	**142**	**248**	**110**	**94**	**32**	**46**	**21**	**11**	**5**	**12**	**5**	**4**	**1**	**3**	**0**	**6**	**0**	**12**	**0**

AGE - RACE - ETHNICITY - ETHANOL INCIDENCE

			Ethnicity		Not Tested		Tested						Stages													
							Total		Negative		Positive		0.01% - 0.04%		0.05% - 0.08%		0.09% - 0.14%		0.15% - 0.19%		0.20% - 0.24%		0.25% - 0.29%		0.30% or Over	
Age	Race	Total	Hispanic	Non-Hispanic	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Under 1 Year	White	3	2	1	0	2	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	1	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Native Hawaiian / Pacific Is.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1 - 4	White	3	0	3	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	4	0	4	1	0	1	2	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Native Hawaiian / Pacific Is.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 - 9	White	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	1	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Native Hawaiian / Pacific Is.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 - 14	White	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Native Hawaiian / Pacific Is.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 - 19	White	1	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	5	0	5	2	1	2	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Native Hawaiian / Pacific Is.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 - 24	White	6	0	6	1	0	4	1	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	4	0	4	0	0	2	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Native Hawaiian / Pacific Is.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 67 AGE - RACE - ETHNICITY - ETHANOL INCIDENCE (continued)

			Ethnicity		Not Tested		Tested						Stages													
							Total		Negative		Positive		0.01% - 0.04%		0.05% - 0.08%		0.09% - 0.14%		0.15% - 0.19%		0.20% - 0.24%		0.25% - 0.29%		0.30% or Over	
Age	Race	Total	Hispanic	Non-Hispanic	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
25 - 29	White	4	0	4	0	2	2	0	1	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
	Black	6	0	6	2	1	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Native Hawaiian / Pacific Is.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 - 34	White	14	2	12	1	2	8	3	7	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	Black	6	0	6	1	1	2	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Asian	1	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Native Hawaiian / Pacific Is.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 - 39	White	11	1	10	0	0	7	4	6	3	1	1	0	1	0	0	0	0	0	0	0	0	0	0	1	0
	Black	12	0	12	1	0	6	5	5	4	1	1	0	1	0	0	0	0	0	0	0	0	0	0	1	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Native Hawaiian / Pacific Is.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 - 44	White	28	1	27	1	2	19	6	13	6	6	0	3	0	1	0	1	0	1	0	0	0	0	0	0	0
	Black	21	0	21	3	1	10	7	8	4	2	3	2	2	0	1	0	0	0	0	0	0	0	0	0	0
	Asian	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Native Hawaiian / Pacific Is.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 - 49	White	34	0	34	5	2	20	7	16	5	4	2	1	2	0	0	2	0	0	0	0	0	0	0	1	0
	Black	19	0	19	7	2	9	1	4	0	5	1	2	1	0	0	2	0	0	0	0	0	1	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Native Hawaiian / Pacific Is.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 - 54	White	63	1	62	11	6	35	11	20	8	15	3	4	2	3	0	1	1	1	0	1	0	2	0	3	0
	Black	33	0	33	5	5	14	9	9	8	5	1	2	1	1	0	0	0	0	0	0	0	0	0	2	0
	Asian	1	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Native Hawaiian / Pacific Is.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

AGE - RACE - ETHNICITY - ETHANOL INCIDENCE (continued)

			Ethnicity		Not Tested		Tested						Stages													
							Total		Negative		Positive		0.01% - 0.04%		0.05% - 0.08%		0.09% - 0.14%		0.15% - 0.19%		0.20% - 0.24%		0.25% - 0.29%		0.30% or Over	
Age	Race	Total	Hispanic	Non-Hispanic	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
55 - 59	White	86	1	85	28	12	35	11	19	5	16	6	9	5	1	1	2	0	0	0	1	0	1	0	2	0
	Black	51	1	50	11	9	22	9	17	8	5	1	2	1	1	0	2	0	0	0	0	0	0	0	0	0
	Asian	1	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Native Hawaiian / Pacific Is.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Unknown	1	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60 - 64	White	108	3	105	43	11	36	18	27	12	9	6	5	1	2	2	0	2	1	1	0	0	1	0	0	0
	Black	61	0	61	20	12	19	10	15	8	4	2	3	1	0	0	0	1	0	0	0	0	0	0	1	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Native Hawaiian / Pacific Is.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65 - 69	White	87	1	86	36	21	23	7	12	5	11	2	8	0	1	1	1	1	0	0	0	0	1	0	0	0
	Black	41	0	41	18	5	12	6	7	6	5	0	3	0	0	0	0	0	1	0	1	0	0	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Native Hawaiian / Pacific Is.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70 - 74	White	51	0	51	18	13	17	3	16	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
	Black	39	0	39	20	9	5	5	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Asian	1	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Native Hawaiian / Pacific Is.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75 - 79	White	49	2	47	25	17	4	3	4	1	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0
	Black	20	0	20	10	3	5	2	4	2	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Native Hawaiian / Pacific Is.	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80 and Over	White	115	1	114	46	58	7	4	7	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	34	0	34	14	14	6	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Asian	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Native Hawaiian / Pacific Is.	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 67

AGE - RACE - ETHNICITY - ETHANOL INCIDENCE (continued)

			Ethnicity		Not Tested		Tested						Stages													
							Total		Negative		Positive		0.01% - 0.04%		0.05% - 0.08%		0.09% - 0.14%		0.15% - 0.19%		0.20% - 0.24%		0.25% - 0.29%		0.30% or Over	
Age	**Race**	**Total**	**Hispanic**	**Non-Hispanic**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**
Total	White	663	15	648	215	149	220	79	155	56	65	23	31	14	8	4	8	4	3	1	2	0	5	0	8	0
	Black	359	1	358	115	64	119	61	90	52	29	9	15	7	3	1	4	1	1	0	1	0	1	0	4	0
	Asian	6	0	6	1	1	2	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Native Hawaiian / Pacific Is.	2	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Unknown	1	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total		**1031**	**16**	**1015**	**333**	**214**	**342**	**142**	**248**	**110**	**94**	**32**	**46**	**21**	**11**	**5**	**12**	**5**	**4**	**1**	**3**	**0**	**6**	**0**	**12**	**0**

INTERNATIONAL CODE OF CAUSES OF DEATH LISTED BY MONTH

TABLE 68

Classification of Disease by Code	Jan.		Feb.		Mar.		Apr.		May		Jun.		Jul.		Aug.		Sept.		Oct.		Nov.		Dec.		Total		Grand Total
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
Certain Conditions Originating in the Perinatal Period	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Complications of Pregnancy, Childbirth and the Puerperium	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	1
Congenital Anomalies	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	3	1	1	0	0	3	5	8
Diseases of the Blood and Blood-Forming Organs	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	2	0	2
Diseases of the Circulatory System	52	28	55	23	52	21	31	15	39	29	47	21	37	28	36	15	30	18	53	20	40	24	52	26	524	268	792
Diseases of the Digestive System	1	0	3	0	3	2	2	0	0	0	0	0	0	3	0	2	4	2	2	0	0	1	0	1	15	11	26
Diseases of the Nervous System and Sense Organs	0	0	0	0	0	1	0	0	0	0	0	1	0	0	1	0	1	1	1	1	2	1	0	0	5	5	10
Diseases of the Respiratory System	2	3	1	1	2	1	2	0	2	0	2	1	2	0	2	2	0	1	0	1	3	0	6	2	24	12	36
Diseases of the Skin and Subcutaneous Tissue	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Disease of the Genitourinary System	0	1	0	0	0	0	2	1	0	1	0	0	2	1	1	0	1	0	1	0	0	0	0	0	7	4	11
Endocrine, Nutritional and Metabolic Diseases and Immunity Disorders	0	1	1	1	3	1	3	1	1	0	1	1	1	0	1	1	2	0	2	1	1	0	2	1	18	8	26
Infectious and Parasitic Diseases	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	5	1	6
Mental Disorders*	3	2	3	2	7	6	3	2	6	1	1	0	0	1	3	1	2	3	4	2	6	2	2	3	40	25	65
Neoplasms	4	2	1	0	3	0	1	0	0	0	1	2	2	0	0	0	2	1	1	1	1	0	2	1	18	7	25
Symptoms, Signs and Ill-Defined Conditions	0	1	3	0	1	0	0	0	1	0	0	2	0	0	0	0	0	0	0	0	1	0	0	0	6	3	9
Therapeutic Complications	0	1	2	1	0	0	1	0	1	0	0	0	0	1	0	0	0	0	0	1	2	1	0	1	6	6	12
Total	62	39	71	28	73	32	48	20	50	31	52	28	44	34	44	22	44	26	64	30	58	30	65	36	675	356	1031

*** In Mental Disorders 57 were due to alcoholism. (Alcoholism with associated physical disease totaled 44).**

TABLE 69 INTERNATIONAL CODE OF CAUSES OF DEATH LISTED BY MONTH

Classification of Disease by Code	Jan.		Feb.		Mar.		Apr.		May		Jun.		Jul.		Aug.		Sept.		Oct.		Nov.		Dec.		Total		Grand Total
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
Congenital Anomalies	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	1	1	0	0	3	3	6
Diseases of the Blood and Blood-Forming Organs	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Diseases of the Circulatory System	27	6	18	7	23	6	15	3	12	6	23	6	14	8	12	0	8	6	13	5	8	6	15	8	188	67	255
Diseases of the Digestive System	1	0	3	0	2	1	1	0	0	0	0	0	0	1	0	2	3	1	1	0	0	1	0	0	11	6	17
Diseases of the Genitourinary System	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	2	0	2
Diseases of the Nervous System and Sense Organs	0	0	0	0	0	1	0	0	0	0	0	1	0	0	1	0	0	1	0	1	0	0	0	0	1	4	5
Diseases of the Respiratory System	2	1	0	0	2	0	1	0	1	0	1	0	1	0	1	2	0	0	0	0	1	0	2	0	12	3	15
Endocrine, Nutritional and Metabolic Diseases and Immunity Disorders	0	0	0	0	1	1	0	1	1	0	1	0	0	0	1	1	1	0	2	1	1	0	1	1	9	5	14
Infectious and Parasitic Diseases	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2
Mental Disorders*	3	1	1	2	6	3	3	0	5	1	1	0	0	1	3	0	2	3	4	1	4	1	2	3	34	16	50
Neoplasms	0	0	0	0	1	0	0	0	0	0	1	0	2	0	0	0	1	1	0	0	0	0	0	0	5	1	6
Symptoms, Signs and Ill-Defined Conditions	0	1	1	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	3	4
Therapeutic Complications	0	0	2	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	1	3	3	6
Total	33	9	27	10	35	12	23	4	19	7	27	9	17	11	19	5	15	12	20	10	16	9	20	14	271	112	383

*** In Mental Disorders 47 were due to alcoholism. (Alcoholism with associated physical disease totaled 34).**

Age	Jan.		Feb.		Mar.		Apr.		May		Jun.		Jul.		Aug.		Sept.		Oct.		Nov.		Dec.		Total		Grand Total
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
Under 1 Year	0	0	0	0	0	0	0	1	0	0	0	0	0	0	2	0	0	0	0	1	0	0	0	0	2	2	4
1-4	0	2	1	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	4	7
5-9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1
10-14	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
15-19	1	0	1	0	0	0	0	0	1	0	1	0	0	0	0	0	1	0	0	1	0	0	0	0	5	1	6
20-24	1	0	0	0	0	0	1	0	0	0	0	1	0	0	1	0	0	1	2	0	0	1	2	0	7	3	10
25-29	0	0	0	0	0	0	1	0	1	0	2	0	0	0	0	1	2	0	0	1	0	1	1	0	7	3	10
30-34	2	2	1	1	2	0	2	0	1	1	0	0	2	1	0	0	1	1	1	0	0	0	1	2	13	8	21
35-39	0	0	1	2	3	0	1	1	0	0	2	1	2	1	1	1	1	0	2	2	1	1	0	0	14	9	23
40-44	3	2	6	0	3	2	2	1	2	1	1	0	3	2	2	0	2	3	5	2	2	1	3	2	34	16	50
45-49	5	1	3	1	4	1	7	0	0	1	4	1	1	2	2	0	3	2	5	0	4	1	3	2	41	12	53
50-54	5	3	7	3	6	6	4	1	3	3	6	3	8	1	4	0	6	3	4	3	6	2	6	4	65	32	97
55-59	10	6	12	5	10	4	7	1	12	1	6	4	2	2	7	1	3	5	8	7	8	1	12	5	97	42	139
60-64	8	7	15	4	17	4	8	4	10	6	13	6	7	11	7	4	4	1	9	1	8	2	12	1	118	51	169
65-69	11	3	5	3	8	4	7	4	7	3	8	4	4	0	6	4	5	4	9	2	9	4	10	4	89	39	128
70-74	4	3	8	3	7	2	2	1	6	1	5	1	3	4	5	2	5	1	6	1	7	6	3	5	61	30	91
75-79	6	1	3	1	3	1	4	1	2	3	3	4	3	4	3	2	5	0	5	3	4	3	4	2	45	25	70
80 and Over	6	9	8	4	9	7	2	5	4	10	1	3	9	6	4	6	6	5	8	6	9	7	8	9	74	77	151
Total	**62**	**39**	**71**	**28**	**73**	**32**	**48**	**20**	**50**	**31**	**52**	**28**	**44**	**34**	**44**	**22**	**44**	**26**	**64**	**30**	**58**	**30**	**65**	**36**	**675**	**356**	**1031**

TABLE 71 MONTH AND AGE GROUPS

Age	Jan.		Feb.		Mar.		Apr.		May		Jun.		Jul.		Aug.		Sept.		Oct.		Nov.		Dec.		Total		Grand Total
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
Under 1 Year	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	1	0	0	0	0	2	1	3
1-4	0	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	6
5-9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1
10-14	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
15-19	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	3	1	4
20-24	1	0	0	0	0	0	1	0	0	0	0	1	0	0	1	0	0	1	2	0	0	0	2	0	7	2	9
25-29	0	0	0	0	0	0	1	0	1	0	2	0	0	0	0	1	1	0	0	0	0	1	0	0	5	2	7
30-34	2	1	1	0	2	0	2	0	1	0	0	0	1	1	0	0	0	1	1	0	0	0	1	1	11	4	15
35-39	0	0	0	1	3	0	1	0	0	0	2	1	2	1	1	0	0	0	2	2	1	1	0	0	12	6	18
40-44	3	0	6	0	3	2	2	0	2	1	1	0	2	1	2	0	1	3	3	1	2	0	2	2	29	10	39
45-49	3	0	3	1	3	1	3	0	0	1	4	1	1	1	1	0	1	2	1	0	3	1	2	1	25	9	34
50-54	5	2	2	1	4	3	2	0	3	0	6	1	4	0	3	0	6	2	2	2	4	0	2	3	43	14	57
55-59	6	1	6	3	3	1	3	1	6	1	4	1	0	2	3	0	1	3	3	2	1	0	5	1	41	16	57
60-64	4	2	3	2	9	2	2	1	2	2	6	2	2	3	3	2	2	0	3	0	1	0	2	1	39	17	56
65-69	5	0	0	0	3	1	4	2	2	0	1	0	1	0	2	1	1	0	1	0	2	2	3	1	25	7	32
70-74	2	0	2	0	2	1	1	0	1	0	0	1	1	1	0	0	0	0	2	0	0	2	0	2	11	7	18
75-79	0	1	1	0	0	0	0	0	1	1	0	0	1	1	1	0	1	0	0	1	0	2	0	1	5	7	12
80 and Over	1	0	1	1	2	0	1	0	0	0	0	1	2	0	0	0	1	0	0	0	2	0	1	1	11	3	14
Total	33	9	27	10	35	12	23	4	19	7	27	9	17	11	19	5	15	12	20	10	16	9	20	14	271	112	383

INTERNATIONAL CODE OF CAUSES OF DEATH LISTED BY AGE GROUPS

TABLE 72

Classification of Diseases by Code	Under 1 Year		1-4		5-9		10-14		15-19		20-24		25-29		30-34		35-39		40-44		45-49		50-54		55-59		60-64		65-69		70-74		75-79		80 and Over		Total		Grand Total
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
Certain Conditions Originating in the Perinatal Period	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Complications of Pregnancy, Childbirth and the Puerperium	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Congenital Anomalies	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1	1	1	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	3	5	8
Diseases of the Blood and Blood-Forming Organs	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
Diseases of the Circulatory System	0	0	1	1	0	0	0	1	4	0	2	0	3	1	6	3	11	6	28	9	24	7	40	22	73	32	101	38	75	33	48	25	42	23	66	67	524	268	792
Diseases of the Digestive System	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	3	0	4	1	3	2	2	4	0	0	1	0	0	0	1	2	15	11	26
Diseases of the Genitourinary System	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	0	0	0	0	0	1	0	0	2	2	0	0	0	0	0	1	1	7	4	11
Diseases of the Nervous System and Sense Organs	1	1	0	1	0	0	0	0	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1	0	0	0	0	1	5	5	10
Diseases of the Respiratory System	0	0	1	1	0	1	0	0	0	0	1	0	0	0	2	2	1	0	0	0	2	0	2	2	4	1	4	0	0	3	5	1	1	0	1	1	24	12	36
Diseases of the Skin and Subcutaneous Tissue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Endocrine, Nutritional and Metabolic Diseases and Immunity Disorders	0	0	0	0	0	0	0	0	0	0	3	0	1	1	1	0	0	1	1	1	1	0	5	1	2	1	2	0	0	1	1	1	1	1	0	0	18	8	26
Infectious and Parasitic Diseases	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	2	0	0	0	1	0	0	0	0	0	0	0	5	1	6
Mental Disorders*	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2	1	2	2	2	4	4	2	9	4	8	3	5	4	5	1	1	1	1	1	0	2	40	25	65
Neoplasms	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	2	2	0	2	1	2	1	5	0	0	0	0	0	4	3	18	7	25
Symptoms, Signs and Ill-Defined Conditions	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2	1	0	0	1	0	0	0	1	1	0	0	1	0	6	3	9
Therapeutic Complications	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	0	1	1	1	3	1	0	0	0	0	6	6	12
Total	2	2	3	4	0	1	0	1	5	1	7	3	7	3	13	8	14	9	34	16	41	12	65	32	97	42	118	51	89	39	61	30	45	25	74	77	675	356	1031

*** In Mental Disorders 57 were due to alcoholism. (Alcoholism with associated physical disease totaled 44)**

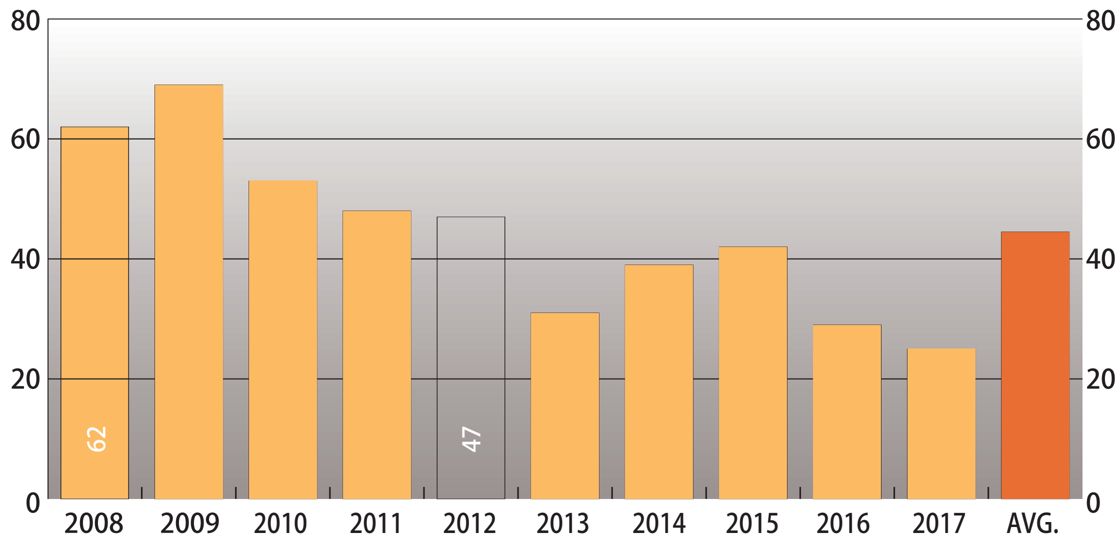
TABLE 73 INTERNATIONAL CODE OF CAUSES OF DEATH LISTED BY AGE GROUPS

Classification of Diseases by Code	Under 1 Year		1-4		5-9		10-14		15-19		20-24		25-29		30-34		35-39		40-44		45-49		50-54		55-59		60-64		65-69		70-74		75-79		80 and Over		Total		Grand Total
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
Congenital Anomalies	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1	0	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	3	3	6
Diseases of the Blood and Blood-Forming Organs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Diseases of the Circulatory System	0	0	0	1	0	0	0	1	3	0	2	0	3	0	5	2	9	5	26	6	17	6	26	8	27	9	30	13	19	5	8	4	4	5	9	2	188	67	255
Diseases of the Digestive System	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	1	0	4	0	3	2	2	2	0	0	0	0	0	0	0	0	11	6	17
Diseases of the Genitourinary System	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	2	0	2
Diseases of the Nervous System and Sense Organs	1	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	4	5
Diseases of the Respiratory System	0	0	1	1	0	1	0	0	0	0	1	0	0	0	1	0	1	0	0	0	1	0	0	0	3	0	2	0	0	1	2	0	0	0	0	0	12	3	15
Endocrine, Nutritional and Metabolic Diseases and Immunity Disorders	0	0	0	0	0	0	0	0	0	0	3	0	1	1	1	0	0	1	0	0	0	0	4	1	0	0	0	0	0	1	0	0	0	1	0	0	9	5	14
Infectious and Parasitic Diseases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	2
Mental Disorders*	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2	1	2	0	2	3	4	2	8	3	6	3	4	2	4	0	0	1	1	1	0	0	34	16	50
Neoplasms	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	1	1	0	0	0	0	0	0	0	2	0	5	1	6
Symptoms, Signs and Ill-Defined Conditions	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	1	3	4
Therapeutic Complications	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	1	0	1	1	0	0	0	0	3	3	6
Total	**2**	**1**	**2**	**4**	**0**	**1**	**0**	**1**	**3**	**1**	**7**	**2**	**5**	**2**	**11**	**4**	**12**	**6**	**29**	**10**	**25**	**9**	**43**	**14**	**41**	**16**	**39**	**17**	**25**	**7**	**11**	**7**	**5**	**7**	**11**	**3**	**271**	**112**	**383**

*** In Mental Disorders 47 were due to alcoholism. (Alcoholism with associated physical disease totaled 34).**

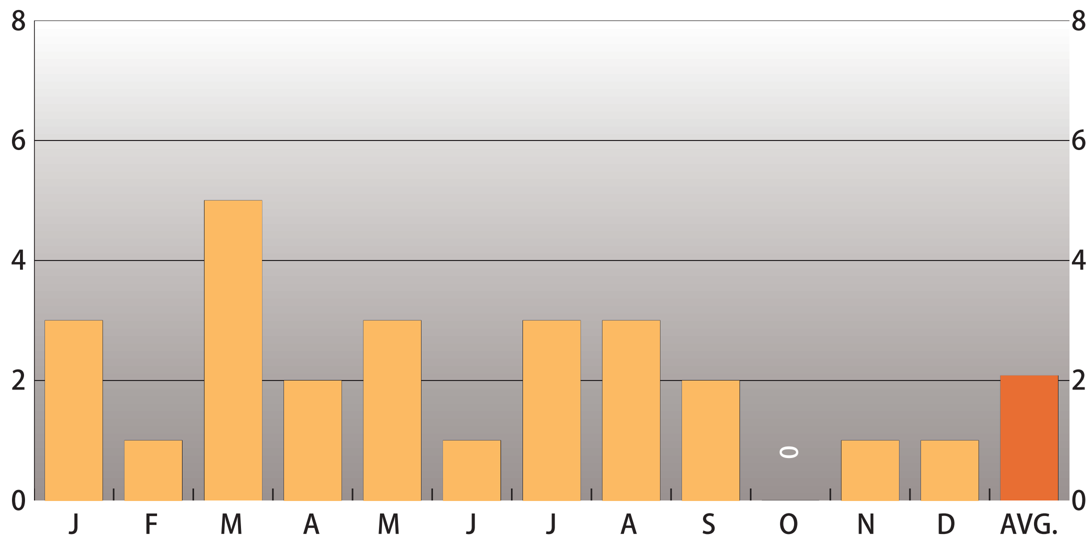
Photograph by A. Koons

2017 UNDETERMINED MANNER
FOR A PERIOD OF TEN YEARS



2017
TOTAL CASES
25

2017 UNDETERMINED MANNER
BY MONTH FOR THE YEAR 2017



		Number	Percent
Gender	Male	19	76.00%
	Female	6	24.00%
Race	White	12	48.00%
	Black	13	52.00%
Ethnicity	Hispanic	0	0.00%
	Non-Hispanic	24	96.00%
Ethanol	Tested	22	88.00%
	Positive	5	20.00%
Autopsied		24	96.00%

***Age and ethnicity is unknown for 1 case.**

MONTHLY ETHANOL INCIDENCE

		Total		Not Tested		Tested						Stages													
						Total		Negative		Positive		0.01% - 0.04%		0.05% - 0.08%		0.09% - 0.14%		0.15% - 0.19%		0.20% - 0.24%		0.25% - 0.29%		0.30% or Over	
Month	**Total**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**
Jan.	3	3	0	0	0	3	0	2	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Feb.	1	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mar.	5	3	2	1	0	2	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Apr.	2	1	1	0	0	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
May	3	3	0	0	0	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Jun.	1	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July	3	1	2	0	0	1	2	1	1	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Aug.	3	2	1	0	0	2	1	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Sept.	2	2	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oct.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nov.	1	1	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Dec.	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**25**	**19**	**6**	**3**	**0**	**16**	**6**	**12**	**5**	**4**	**1**	**2**	**0**	**0**	**1**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**

TABLE 75 AGE - RACE - ETHNICITY - ETHANOL INCIDENCE

			Ethnicity		Not Tested		Tested						Stages													
							Total		Negative		Positive		0.01% - 0.04%		0.05% - 0.08%		0.09% - 0.14%		0.15% - 0.19%		0.20% - 0.24%		0.25% - 0.29%		0.30% or Over	
Age	Race	Total	Hispanic	Non-Hispanic	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Under 1 Year	White	3	0	3	0	0	2	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	8	0	8	0	0	7	1	6	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1 - 4	White	1	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 - 9	White	1	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 - 14	White	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 - 19	White	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 - 24	White	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 - 29	White	1	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	1	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 - 34	White	1	0	1	0	0	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
	Black	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 - 39	White	1	0	1	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 - 44	White	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

AGE - RACE - ETHNICITY - ETHANOL INCIDENCE (continued)

			Ethnicity		Not Tested		Tested						Stages													
							Total		Negative		Positive		0.01% - 0.04%		0.05% - 0.08%		0.09% - 0.14%		0.15% - 0.19%		0.20% - 0.24%		0.25% - 0.29%		0.30% or Over	
Age	Race	Total	Hispanic	Non-Hispanic	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
45 - 49	White	1	0	1	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 - 54	White	1	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	1	0	1	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0
55 - 59	White	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60 - 64	White	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65 - 69	White	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	2	0	2	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70 - 74	White	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75 - 79	White	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80 and Over	White	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	White	12	0	12	2	0	6	4	3	4	3	0	2	0	0	0	1	0	0	0	0	0	0	0	0	0
	Black*	12	0	12	0	0	10	2	9	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	1	0
Grand Total		**24**	**0**	**24**	**2**	**0**	**16**	**6**	**12**	**5**	**4**	**1**	**2**	**0**	**0**	**1**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**

***Age and ethnicity is unknown for 1 case.**

TABLE 76 MODE - ETHANOL INCIDENCE

				Not Tested		Tested						Stages													
		Total				Total		Negative		Positive		0.01% - 0.04%		0.05% - 0.08%		0.09% - 0.14%		0.15% - 0.19%		0.20% - 0.24%		0.25% - 0.29%		0.30% or Over	
Mode	**Total**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**
Undetermined Cause	9	7	2	2	0	5	2	3	1	2	1	1	0	0	1	1	0	0	0	0	0	0	0	0	0
Undetermined Non-Violence	11	9	2	0	0	9	2	8	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Undetermined Violence	5	3	2	1	0	2	2	1	2	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**25**	**19**	**6**	**3**	**0**	**16**	**6**	**12**	**5**	**4**	**1**	**2**	**0**	**0**	**1**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**

MODE - AGE GROUPS

Mode	Under 1 Year		1-4		5-9		10-14		15-19		20-24		25-29		30-34		35-39		40-44		45-49		50-54		55-59		60-64		65-69		70-74		75-79		80 and Over		Total		Grand Total
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
Undetermined Cause*	2	0	0	0	0	1	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0	0	1	1	0	0	0	1	0	0	0	0	0	0	0	6	2	8
Undetermined Non-Violence	7	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	2	11
Undetermined Violence	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	3	2	5
Total	**9**	**2**	**1**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**1**	**1**	**0**	**1**	**0**	**0**	**0**	**1**	**0**	**0**	**2**	**1**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**18**	**6**	**24**

***Age and ethnicity is unknown for 1 case.**

Photograph by J. Bielinski

The Cuyahoga County Medical Examiner's Office and Regional Forensic Science Laboratory is a unique working environment within county government and requires responsive and efficient administration to make it work properly. The highly scientific nature of the work provides a number of challenges. These are addressed by a hard working staff of dedicated professionals who prepare public and legal documents, procure supplies, address communications and technology issues, administrate fiscal and budgeting matters, human resource needs and building maintenance, security and cleanup.

Office of the Administrator

- Building Operations – Works with various vendors to maintain building, provide security and routine and specialized clean up needs.
- Community Relations & Training – Provides tours to interested medical and justice oriented students and professionals and training in death scene investigations for law enforcement and other justice oriented professionals.
- Fiscal & Budgeting Liaison – Work with assigned liaisons to develop biennial budget and monitor fiscal expenditures and revenues to assure adequate resources for the office and laboratory and maintaining responsible controls to protect taxpayer dollars.
- General Office / Records & Statistics – Works with Medical Secretaries and forensic pathologists to complete verdicts and with State of Ohio, funeral homes and Vital Statistics to complete death certificates. All records held on site and case statistics calculated and provided to public through reports. Several thousand public records requests are received and processed annually.
- Human Resources Liaison – Work with assigned liaisons to provide safe working environment for employees as well address any other workplace needs.
- Procurement – Works with specialized vendors to provide equipment and supplies for the scientific labs and medical work stations, as well as day-to-day supplies for the offices.
- Public Information & Media Relations – Provides media and general public with timely responses to public records requests. Over 1,500 media requests are received and processed annually.

Mission Statement

The Cuyahoga County Medical Examiner's Office is a public service agency responsible for the investigation of violent, suspicious and sudden and unexpected deaths and the provision of laboratory services. The agency is committed to the dignified and compassionate performance of these duties with impartiality and the highest professional levels of quality and timeliness in the service of the general public, medical and legal communities and the overall public health of the citizens of Cuyahoga County.

Goals

Goal 1: To complete fair and impartial death investigations in a manner consistent with the highest standards of excellence with increasing faster turn-around times for death certificates, autopsy reports and testing in the Regional Crime Laboratory.

Goal 2: Increase capacity of the Regional Crime Laboratory and add the most advanced scientific techniques and equipment to serve all Cuyahoga County justice and law enforcement agencies.

Goal 3: Become the most highly accredited Medical Examiner's office and public crime laboratory in the United States.

Goal 4: Provide the largest historical database of public health information in the United States for public research and scientific and epidemiological advancement.

Goal 5: Retain and recruit experienced, accredited and professionally licensed staff in all the various departments.

2017 Accomplishments

- Requested to provide drug chemistry services for the State of Ohio, BCI laboratory. On-going into 2018 to process over 2,000 cases.
- Awarded a 3-year NIJ Federal Grant with Case Western Reserve University to provide data for improving drug prosecutions.
- Parentage and Identification lab re-accredited by AABB.
- Academic Forensic Pathology invited Dr. Gilson to guest edit the quarterly issue on the Opioid Crisis and staff contributed 5 scientific articles.
- Sexual Assault kit testing on-going with over 2250+ cases submitted since start in May 2012.
- Out of County autopsies performed exceed 200 for fifth consecutive year (2011 – 174; 2012 – 224; 2013 – 202; 2014 – 217; 2015 – 240; 2016- 317; 2017- 434) and over 400 for 1st time.
- Medical Examiner asked to testify before US Senate subcommittee on Opioid Crisis (May 2017); Invited as guest speaker on opioid crisis to USDEA agent conference at EPIC (El Paso Intelligence Center) in October.
- New 5-day Advanced Medicolegal Forensic Series training established.

The Cuyahoga County Medical Examiner's Office and our educational partner, Case Western Reserve University School of Medicine, are proud to host a Medicolegal Death Scene Investigation program which provides basic training for Medicolegal Death Investigators, Coroners, Medical Examiners, Detectives, Crime Scene Investigators, Emergency Medical Service providers, and Firefighters.

This unique 3-day course covers fundamental topics of forensic pathology; examination and documentation of death scenes, evidence recognition, preservation and collection; and decedent identification. Participants enhance their knowledge by investigating dynamic mock scenes. The mock scenes are interactive and require participants to role play.

After attending this course, participants are able to...

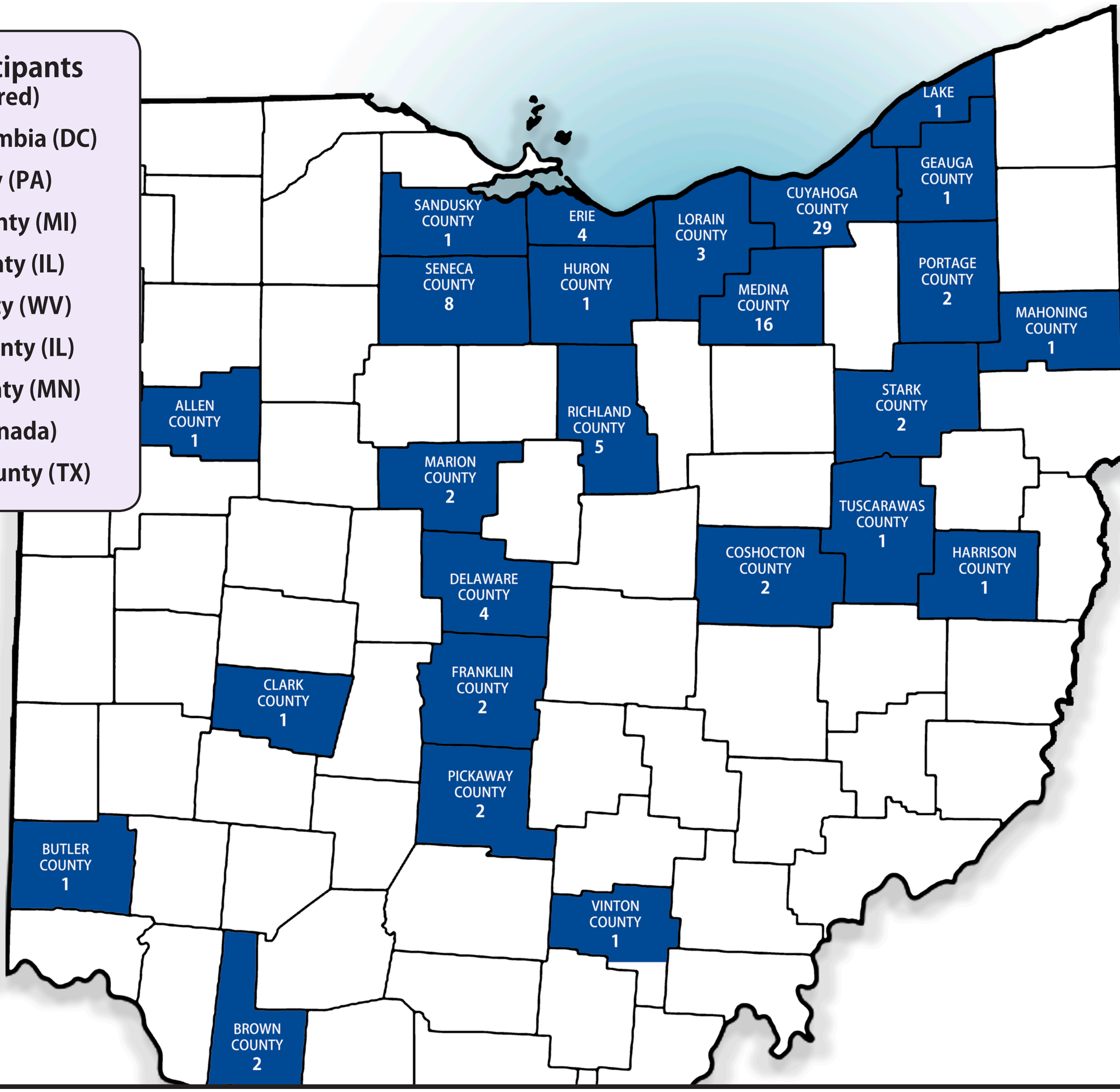
- Define types of death that must be reported to the Coroner or Medical Examiner in Ohio.
- Distinguish types of trauma and explain the mechanisms of injury.
- Understand basic concepts used to distinguish entrance from exit gunshot wounds and determine range of fire.
- Describe investigative information that is important to the determination of cause and manner of death in cases of asphyxia, drowning, environmental exposure, in-custody, sudden unexpected infant deaths, and intoxication.
- Recognize natural disease processes that present as violent or suspicious deaths.
- Distinguish early and late phase postmortem changes and identify variables used in the assessment of postmortem interval including limitations.
- List categories of decedent identification and describe methods and limitations.
- Recognize trace evidence that may be present on a body and apply procedures to preserve or collect evidence.
- Formulate a proper methodology for photographing a decedent and a death scene.
- Investigate a simulated death scene in accordance with national guidelines.

In 2017, 103 medical, law enforcement, and legal professionals attended training at the Cuyahoga County Medical Examiner's Office.

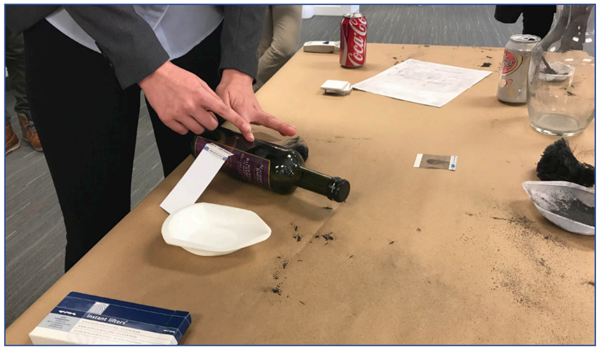
2017 DISTRIBUTION OF MEDICOLEGAL DEATH SCENE INVESTIGATION TRAINING PARTICIPANTS BY COUNTY*

Other Participants
(not pictured)

District of Columbia (DC)
Erie County (PA)
Macomb County (MI)
Marion County (IL)
Mason County (WV)
McHenry County (IL)
Olmsted County (MN)
Ontario (Canada)
Williamson County (TX)



The Medical Examiner's Office's Public and Community Relations Officer currently offers several educational opportunities that include guided tours and student shadow programs.



Educational tours consist of an introductory lecture and a directed tour of the 200,000+ square foot facility that houses both the Cuyahoga County Medical Examiner's Office and the Cuyahoga County Regional Forensic Science Laboratory. Tours are currently offered in April, May, September and October of each school year and are only available to eligible and approved educational programs.

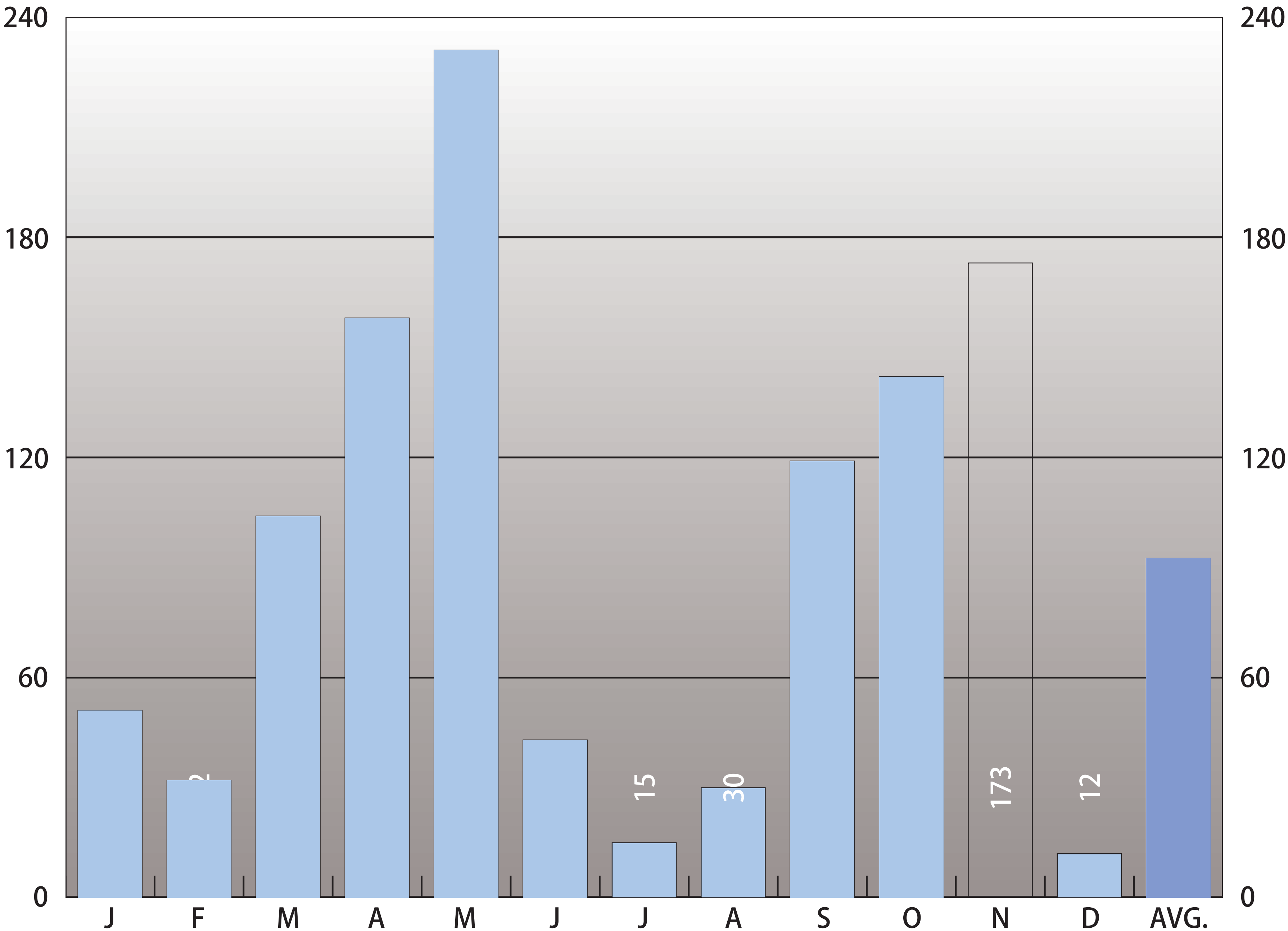
The Cuyahoga County Medical Examiner's Student Shadow Program program consists of small classes of 12 participants for a day-long concentrated program. There are separate shadow experiences for high school or college-level students and the programs are only available to Juniors and Seniors.

Both programs are a mix of education-based lectures and hands-on learning. The objective of each program is to provide students with greater exposure to the associated fields of forensic science in order to help direct students toward educational and career goals in these fields. The shadow courses include:

- An introduction to the Medical Examiner's Office
- A guided facility tour
- A Death Scene Investigation lecture
- Hands-on mock death scene investigations
- Attendance of the formal daily 'Viewing' (college only)
- An educational demonstration autopsy (adults only)

In 2017, 1,110 guests participated in educational tours and training at the Cuyahoga County Medical Examiner's Office. Visitors were from the following organizations; Bedford High School, Case Western Reserve University, Collinwood High School, Cuyahoga Community College, Cuyahoga County Prosecutor's Grand Jury Unit, Cuyahoga Valley Career Center, Cuyahoga Valley Christian Academy, Greater Cleveland Congregations, Hawken School, Holy Name High School, John Rhodes High School, Kent State University, Laurel School, Lincoln West High School, Maple Heights High School, MLK High School, North Olmsted High School, Ohio University, Padua Franciscan, Polaris Career Center, Remington College, Rocky River High School, Saint Edwards High School, Saint Ignatius High School, Shaw High School, Solon Police Department (Citizens Police Academy), South University, Tiffin University, Warrensville Heights High School, and West Geauga High School.

2017 COMMUNITY OUTREACH VISITORS TO THE MEDICAL EXAMINER'S OFFICE BY MONTH



General Office

The responsibilities of the General Office is to aid the Cuyahoga County Medical Examiner's Office (CCMEO), in obtaining and creating the needed records and documents to accurately complete any and all Medical Examiner's Office cases (2,617 cases in 2017 alone). This office will assist health and law enforcement organizations, decedent's family members, and the community in obtaining the information needed for closure, legal, educational, and statistical purposes in a respectful and professional manner.

The functions of the General Office are multi-faceted. There are 3 General Office Case Managers that obtain information from hospitals, nursing homes, and law enforcement organizations, needed by the forensic pathologists to accurately determine cause and manner of death. Case Managers also work with funeral directors and decedent's family members to accurately create and complete death certificates and the official Medical Examiner's Report, and to distribute these documents to the appropriate recipients.

The portion of the Medical Examiner's Report prepared by Case Managers is called the Medical Examiner's Verdict and is part of a group of public records that is obtained through this office. A public record request can include any combination of the Verdict, Autopsy Protocol, and Toxicology Report. Photographs and Microscopic slides can only be obtained by certain agencies and family members. **In 2017 the Medical Examiner's Office provided records for 4,062 requests.** That's more than 80 requests per week!

Case Managers also serve in an important reporting role. They routinely provide information to local Vital Statistics departments, Children and Family Services, the Board of Health, and many hospitals and law enforcement agencies.

Record Management and Statistics

When all initial orders are completed and sent, the cases are stored in a file room until they can be scanned to disc. After scanning, the hard copy cases are stored in the Medical Examiner's Office archives (in a separate building). The case records and reports are to be held or stored in a secure and confidential manner that allows ready access as needed, recognizing that most inquiries involve recent cases, but that even cases which are many years old need to be archived appropriately for retrieval.

Information from cases is retrieved and compiled into specific categories for statistical purposes. This information is provided to many professional agencies on a weekly, monthly, or yearly basis. The Records Management and Statistics Department also plays a large part in creating the Statistics book that you are currently reading.

Photograph by J. Bielinski

The Histology Laboratory at the Cuyahoga County Medical Examiner's Office is responsible for preparing and staining microscopic slides of smears and tissue samples taken from decedents at the time of autopsy. The Histology Technologist processes the tissue samples through formalin, alcohol, and paraffin wax in order to cut thin sections of tissue, place them on glass slides, and stain them with hematoxylin and eosin (H&E). The stained tissue on the slide is covered with mounting media and a glass coverslip. When the slide dries the tissue is essentially protected and preserved indefinitely.

The slides produced are used primarily as a diagnostic tool by the Forensic Pathologist to aid in determining cause and manner of death. Generally, histologic slides are viewed in combination with all evidence collected to make a ruling. However, there are some diagnoses, such as myocarditis, made only by microscopic examination of tissue.

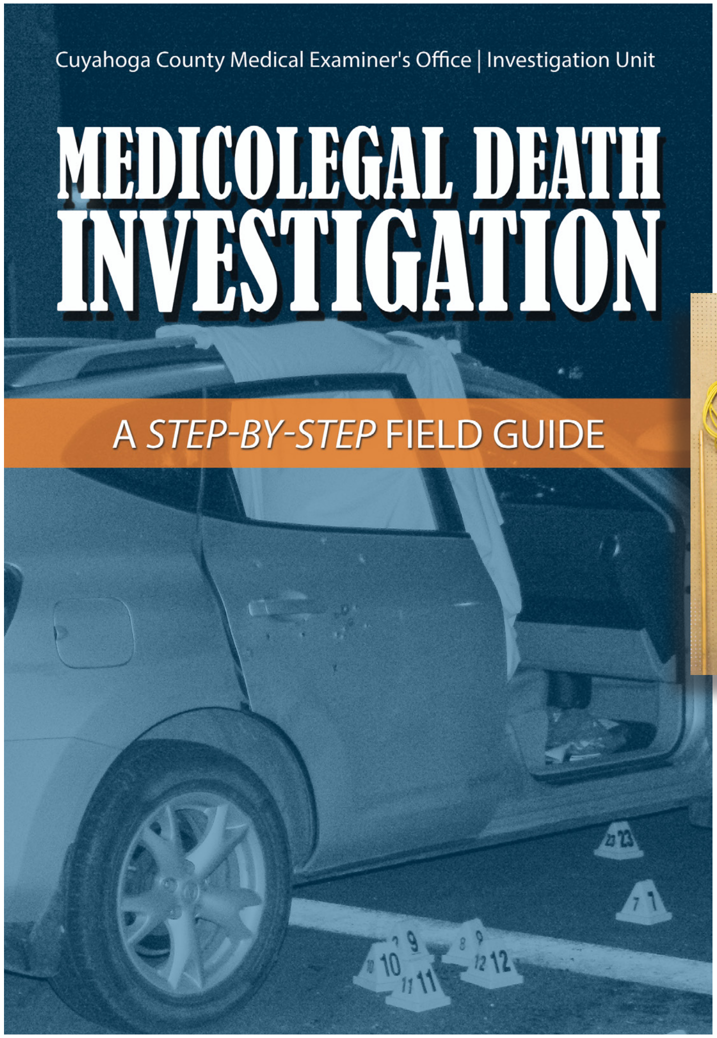
Approximately 10,000 to 15,000 slides are prepared annually in the lab. After each case is signed out by the Pathologist, all slides are returned to Histology. They are then filed and permanently kept in a secure location in our Archives.

Histology slides also serve as an investigative tool helping to solve cold cases when no other DNA evidence is available. Oral, vaginal and rectal (OVR) swabs are taken in cases of suspected homicide and sexual assault. Slides are made after the swabs are rubbed on glass slides and stained for the Pathologist to view. Rape, assault, abuse, and paternity are all areas in which OVR smears are a part of physical evidence that can help prove the guilt or innocence of a defendant. Upon request the OVR smears taken at autopsy are transferred to the DNA department for further processing. The extracted DNA from the smears has resulted in DNA profiles which were later entered into CODIS. This work has led to DNA "hits" that contributed greatly to cold case investigation.

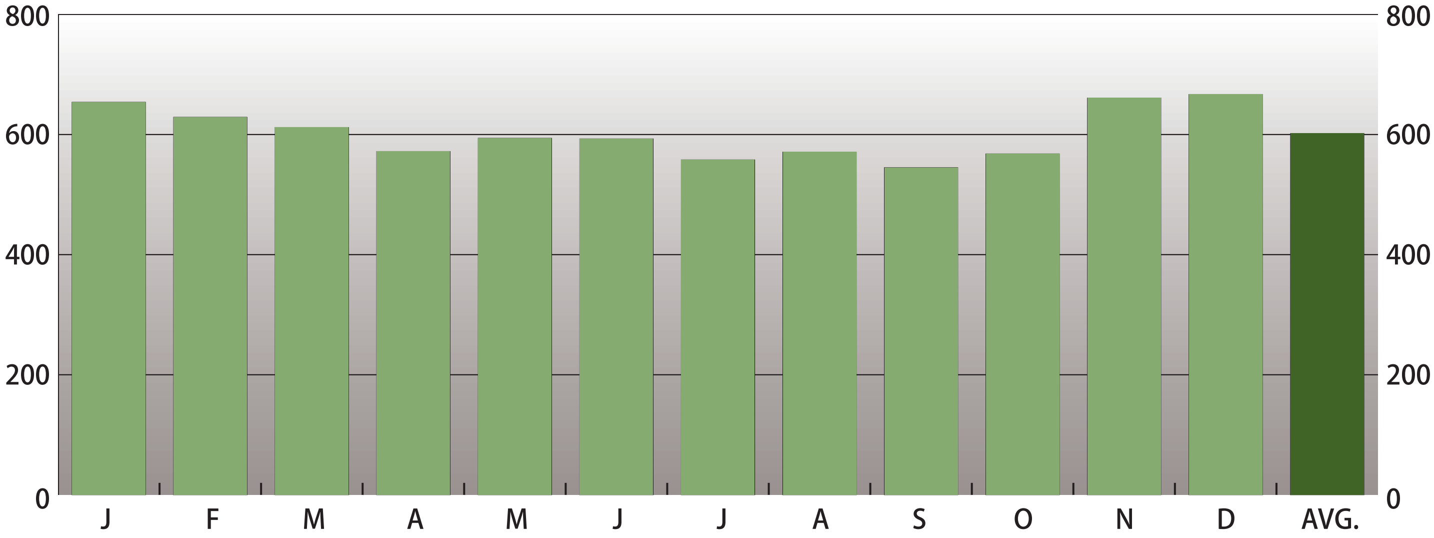
The Histology Laboratory also works with Civil, Prosecuting, and Defense Attorneys by supplying them with Legal Case Recuts from the original case blocks kept on file for 25 years. These slides are purchased by the lawyers and used by independent agencies to reexamine the evidence and give a second opinion regarding the case, mostly in civil suits.

	Cuyahoga County	Outside Cuyahoga County	Total
Total Number of Autopsied Cases	1,447	434	1,881
Sections Received	15,787	5,206	20,993
Blocks Prepared	11,745	3,731	15,476
Slides Prepared and Stained			
Smears (Oral, Rectal, Vaginal)	137	50	187
Standard Staining (Routine Hematoxlin - Eosin)	11,745	3,731	15,476
Special Stains			
Acid Fast Bacteria	2	15	17
Gomori Methenamine Silver	7	11	18
Gram (Brown + Brenn)	0	4	4
Iron	97	61	158
Movat Pentachrome	30	0	30
Rectus Prepared			
Diagnostic Recut	46	2	48
Educational Recut	8	1	9
Legal Case Recut	228	13	241
Total Slides Prepared	12,300	3,888	16,188

One of the primary responsibilities of the unit is to collect enough information from the initial death report to determine if the Cuyahoga County Medical Examiner's Office excepts jurisdiction or releases jurisdiction. Once a death is determined to be a medical examiner's case, the investigations unit determines whether or not a scene visit is required. Once established Investigators gather data to help the pathologists formulate the cause and manner of death. Investigative information includes the Investigator's report, scene photographs, medical records, police records, trace evidence findings, consultant's findings, special test results, etc.



TOTAL NUMBER OF HANDLED CASES BY MONTH FOR THE YEAR 2017



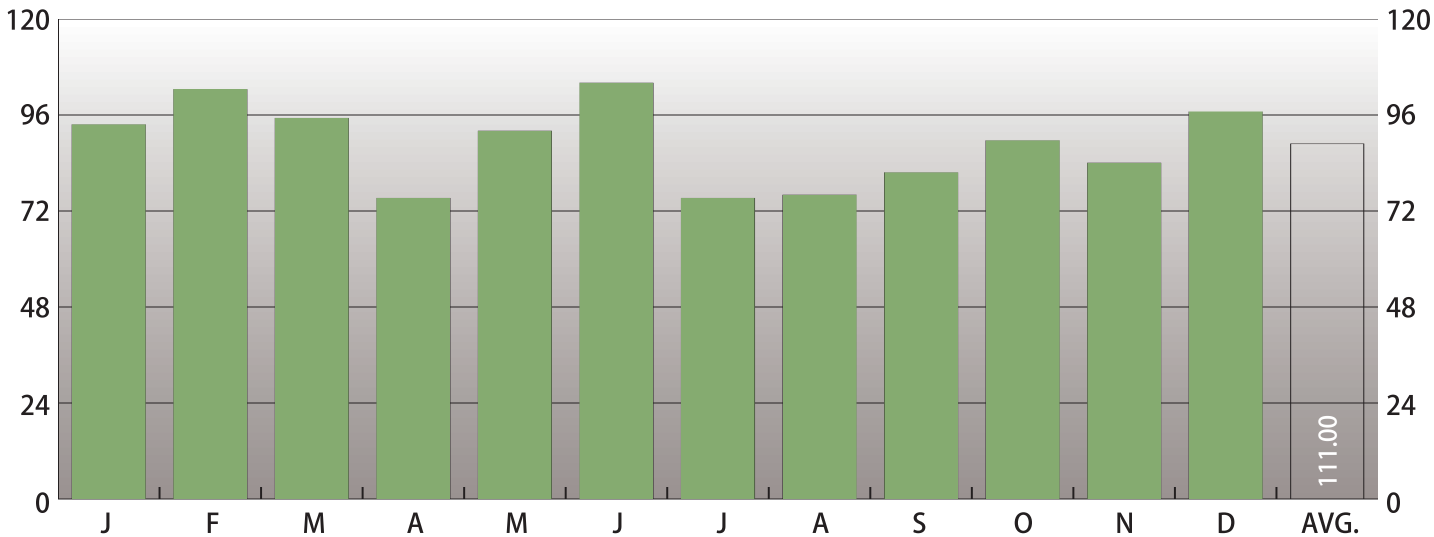
2017

TOTAL CASES

7,224

2017 INVESTIGATIVE UNIT REPORT

TOTAL NUMBER OF SCENE INVESTIGATIONS BY MONTH FOR THE YEAR 2017



2017

TOTAL SCENES

1,332

The Medical Secretaries work with the Pathologists to complete the Final Pathological Diagnosis and Report of Autopsy for both Cuyahoga County and several surrounding counties. Medical Secretaries, like Case Managers obtain information from agencies to assist the Pathologists in their determination of cause and manner of death. They also report deaths to the Ohio SIDS Network (deaths of children under 2 years of age), and to Children and Family Services or KIDS Network (children 17 years of age and under). The Medical Secretaries maintain schedules for the visiting medical students and resident doctor's rotations. The department answers telephone calls and takes messages for the Pathologists, prepares bills for out of county autopsies, does file management, and maintains departmental records and logs. **The Medical Secretaries completed 1,875 Final Pathological Diagnosis and Reports of Autopsy for Cuyahoga County cases and 431 for surrounding county cases in 2017.**

Photograph by A. Koons

The Department of Pathology is staffed by 7 – 8 full time physicians who are Board Certified Forensic Pathologists (or have extensive experience) and 1 – 2 physicians that are training in forensic pathology (fellows). All of the physicians are appointed as Deputy Medical Examiners and assist the Medical Examiner in his medical duties.

Pathology is a medical specialty that concerns the diagnosis of disease through examination of body tissue and fluids. There are two main branches of pathology – anatomic and clinical. Anatomic pathology involves examination of body tissues removed from the body. Surgical pathology and cytology are the two most familiar areas since they deal with biopsy or surgical specimens and/or cell examinations like the PAP smear. Clinical pathology evaluates body fluids. Areas of clinical pathology include chemistry, microbiology, hematology, and blood banking. Forensic pathology is a subspecialty of pathology that applies the techniques of anatomic and clinical pathology to legal issues.

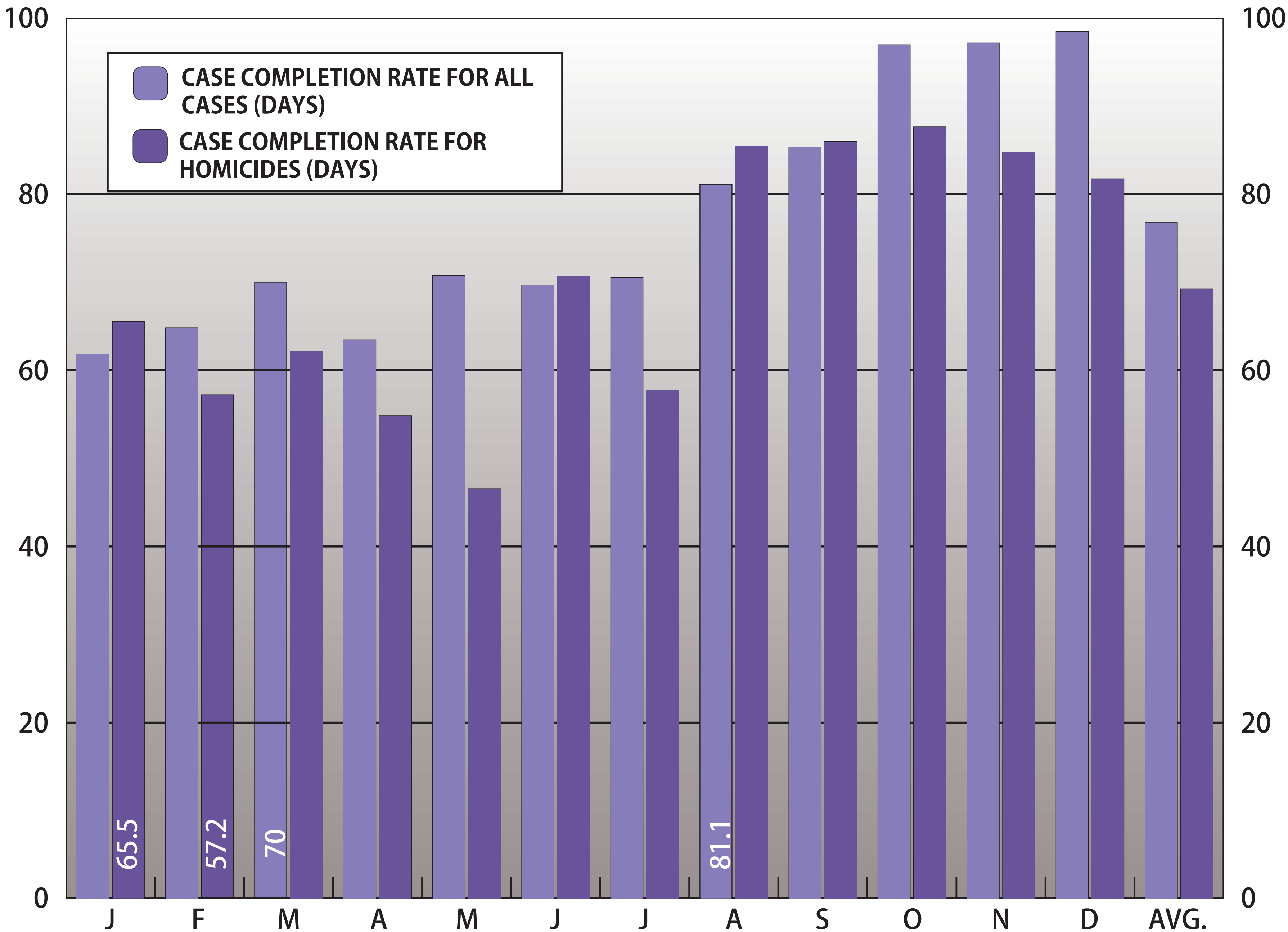
The primary duty of the Deputy Medical Examiner is to perform autopsies to determine the cause and manner of death. Additional duties include testifying in court in both criminal and civil cases, teaching medical students, hospital pathology residents, and other groups, and occasional examination of death scenes.

Determination of cause and manner of death is an involved process that can take anywhere from a few days to months, depending on how complicated the case. Most bodies that come to the Medical Examiner's Office do not require an autopsy. These bodies are examined externally only. Those cases that meet certain criteria are autopsied the same or next day. The autopsy consists of three main components – gross examination of the body (looking at the body and organs with the naked eye), microscopic examination (examining tissue biopsies under the microscope), and toxicological examination (testing body fluids for prescription and over-the-counter medications as well as street drugs). To formulate the cause and manner of

death, the pathologist will combine the findings of the autopsy with investigative information. Investigative information includes the Medical Examiner's Investigator report, scene photographs, medical records, police records, trace evidence findings, consultant's findings, special test results, etc. The manner of death consists of five categories – natural, accidental, suicide, homicide, and undetermined.

The Cuyahoga County Medical Examiner's Office's Deputy Medical Examiners work closely with families, police, prosecutors, defense attorneys, and other county Coroners to provide accurate death certification.

2017 PATHOLOGY CASE COMPLETION RATES



2017 RADIOLOGY REPORT

The utilization of radiologic investigation in the Cuyahoga County Medical Examiner's Office can be grouped under the following general broad headings:

- Foreign body identification and localization.
- Documentation of the type and extent of traumatic injuries.
- The identification of congenital anomalies affecting the skeleton.
- Demonstration of underlying diseases which may or may not be related to the cause of death.
- Investigative uses in conjunction with studying specific details.
- Identification of persons in mass catastrophes or a single unknown victim.

Foreign body identification and localization constitutes the major use of the X-ray equipment. The extent, number, and position of the bullets or radiopaque materials can be documented rapidly, with a great saving in time of examination and with high accuracy. If a bullet is not present, a search need not be conducted. Conversely, if a bullet is present, it must be recovered.

Radiographs give an accurate documentation of the fractures and traumatic effects of the soft tissue organs unobtainable in other ways.

Radiology plays an important role in establishing a record of either the normal or abnormal features of the part of the body in question. The use of X-rays to discern multiple pre-existing injuries of specific type and recognizable pattern in a child, living or dead is now well known in establishing "The Battered Child Syndrome."

In 2009 the victims from the Imperial Avenue tragedy all received thorough radiologic examinations. This procedure assisted with establishing the identities of the deceased. In instances where visual recognition is dubious or impossible, radiographs may provide identifying information. Studies of postmortem radiographs and comparable radiographs taken during life may serve to confirm or exclude a tentative identification.

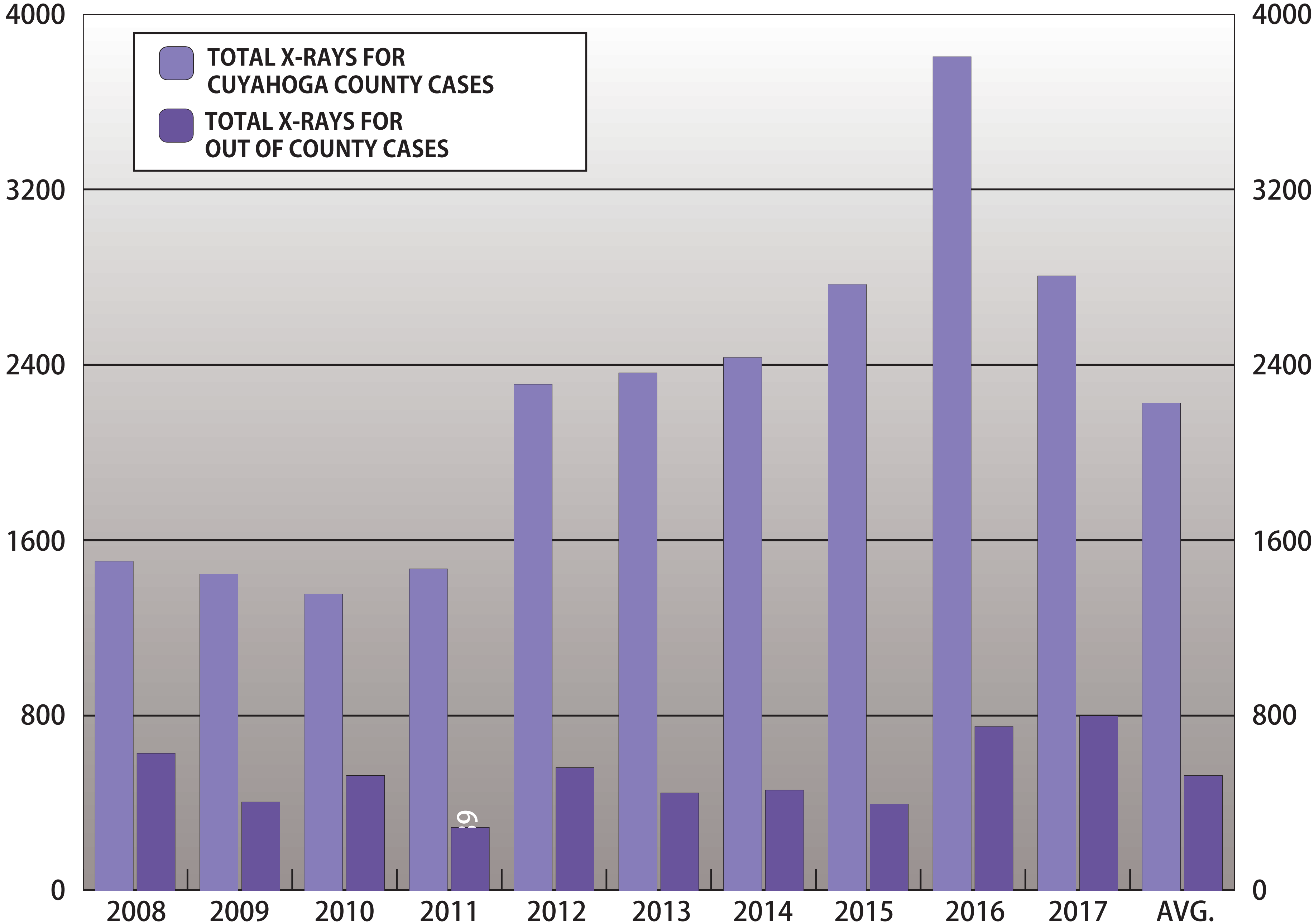
Radiographs are utilized in the examination of soil samples as an aid to locate skeletal remains and other items of interest. Mattresses, box springs, charred material, various automobile parts and even a tennis shoe have been X-rayed to locate foreign bodies.

The Cuyahoga County Medical Examiner's Office converted from film radiographs to a Digital Computerized Radiograph (CR) system in July (2011). The quality of images and the versatility provided by the system has significantly enhanced the information provided to the Forensic Pathologists. The ability to enlarge an image to key in on a specific aspect of an examination or vary the contrast and brightness to identify skeletal deformities has been of great value.

In the event of a plane crash or other mass casualty event, the Digital Computerized Radiograph (CR) system in conjunction with the portable X-ray unit can be transported and set up promptly on site. This allows for the ability to perform and deliver quality radiographs from a remote location.

The immediate availability of diagnostic radiographic equipment in the Cuyahoga County Medical Examiner's Office offers the Forensic Pathologist an invaluable tool which aids in performing the autopsy, saving time, as well as accurately documenting pathologic changes.

2,804 radiographs were made in 2017 of inside cases.
799 radiographs were made in 2017 of outside cases.


TOTAL X-RAYS FOR CUYAHOGA COUNTY CASES
TOTAL X-RAYS FOR OUT OF COUNTY CASES
4000
3200
2400
1600
800
0
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
AVG.

Since 1951, forensic photography tools and techniques have changed dramatically at the Cuyahoga County Medical Examiner's Office, but its primary purpose remains unchanged: to provide a credible, accurate, objective visual record of medical/legal evidence. Scenes of death or bodily injury, associated evidence, wounds, organ specimens and recognizable features of identification on a body are available for examination for only a short time. Therefore, all these subjects (a facial I.D. photo, autopsies, gross specimens, clothing, or trace evidence) are routinely documented by the photography staff. Afterwards, any image processing or printing is done in house. This is discreet, maintains the uninterrupted chain of possession of evidence, and facilitates the availability of image files, negatives, and prints. The Photography Unit also processes and archives images from other sources including Receiving, the Investigation Unit, hospitals, and law enforcement agencies.

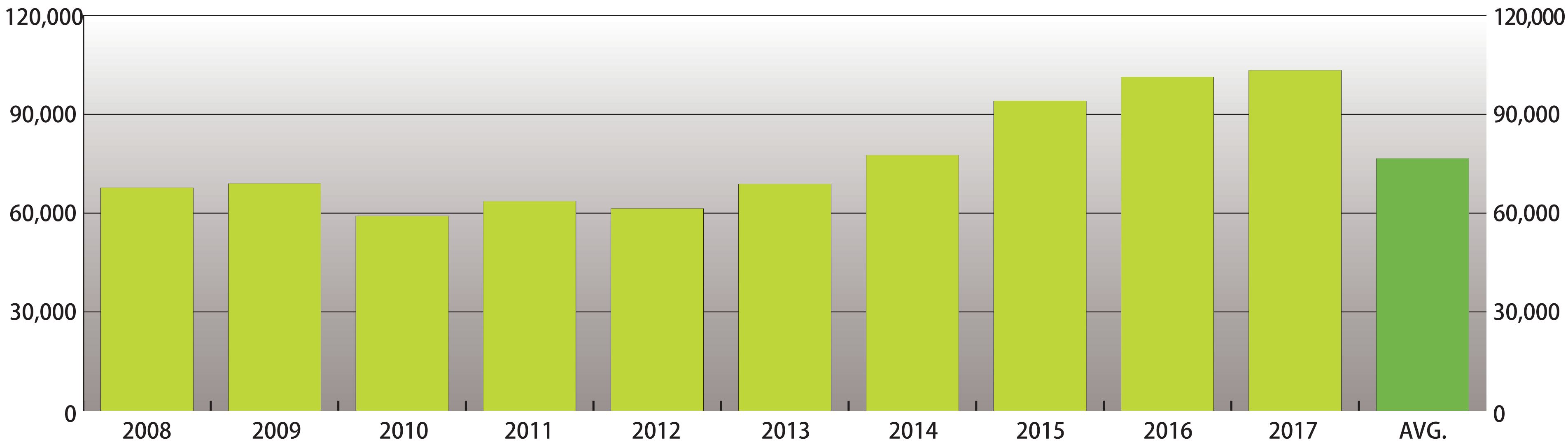
Photography, as part of a case report, provides visual support to the written notes and observations of the pathologist during viewing or autopsy, the forensic scientist's examination of clothing or evidence, and the findings of other staff members. It is a teaching aid in lectures and a visual aid in court presentations and published research. It can also stand alone, conveying information that words cannot, and be an investigative tool in itself. Besides recording what can be seen with the human eye, photography surpasses that through a variety of special techniques, making the small large, the invisible visible, or otherwise enhancing all or some aspect of the subject. Infrared light can be isolated and photo-documented to reveal gunshot residue, while ultraviolet light assists in identifying marks on a decedent's skin. Transparent overlays of impressions reproduced in a 1:1 fashion illustrate patterns that can be matched to fabric, a tool, or a tire tread, and photomicrography shows pathology of disease or the presence of foreign matter on the finest scale.

Since 1989, the Photography Unit has made use of computer hardware, software, and digital imaging technology to improve its investigative potential, resolve spatial relation questions encountered in crime and accident scenes, and complete graphic assignments more quickly and efficiently. In 2000 the Photography Unit successfully made the transition from film to digital technology. Presently all services previously performed with film are accomplished using digital equipment, with the highest priorities placed upon image security, image quality (resolution and color), and image file authentication and archiving. Mindful of the ever-increasing emphasis on quality assurance, the Photography Unit continues to advance standards and practices consistent with guidelines established by SWGIT and other respected authorities.

Historically, the Photography Unit at the Medical Examiner's Office has also had the responsibility and the resources to produce three-dimensional constructs and graphics (including this report). Charts, graphs, illustrations, crime scene reconstructions or other scale models are utilized in court, classrooms or publications as effective ways to make investigative, scientific, or technical points more accessible to jurors, students, or law enforcement personnel in a way that verbal description cannot.

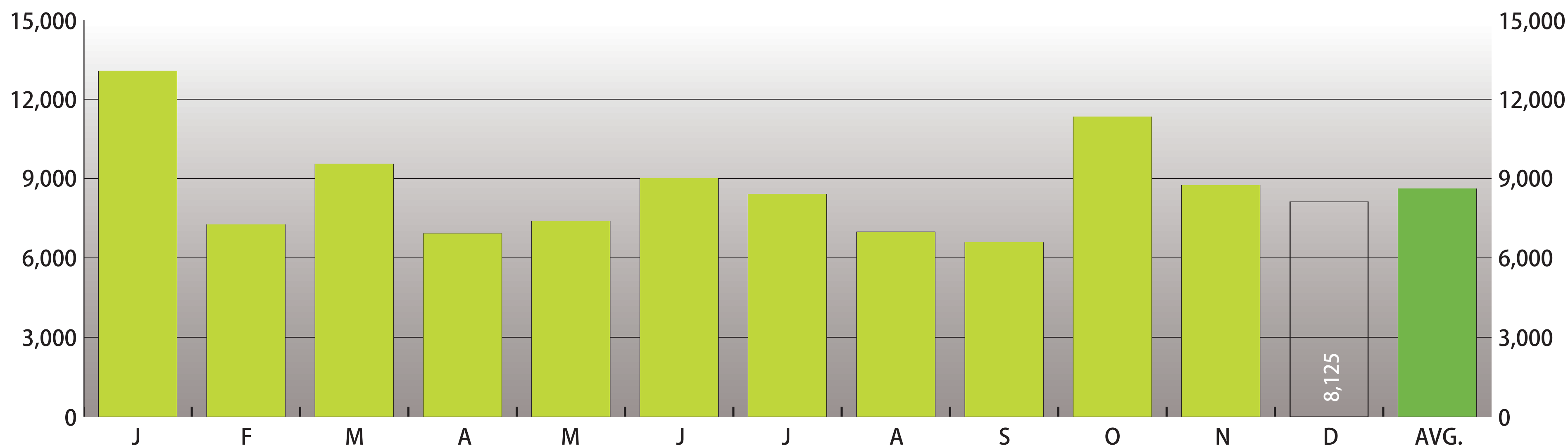
As the demand for products and services offered by the Photography Unit increases, the dedicated staff continues to improve themselves with targeted training and instruction. Through sustained learning, forensic photographers are exposed to new skills, techniques, and emerging technologies. This emphasis on education will allow the Photography Unit to better serve the office's forensic pathologists and scientists, Northeast Ohio's law enforcement community, and the citizens of Cuyahoga County.

TOTAL NUMBER OF RECORDED IMAGES FOR A PERIOD OF TEN YEARS



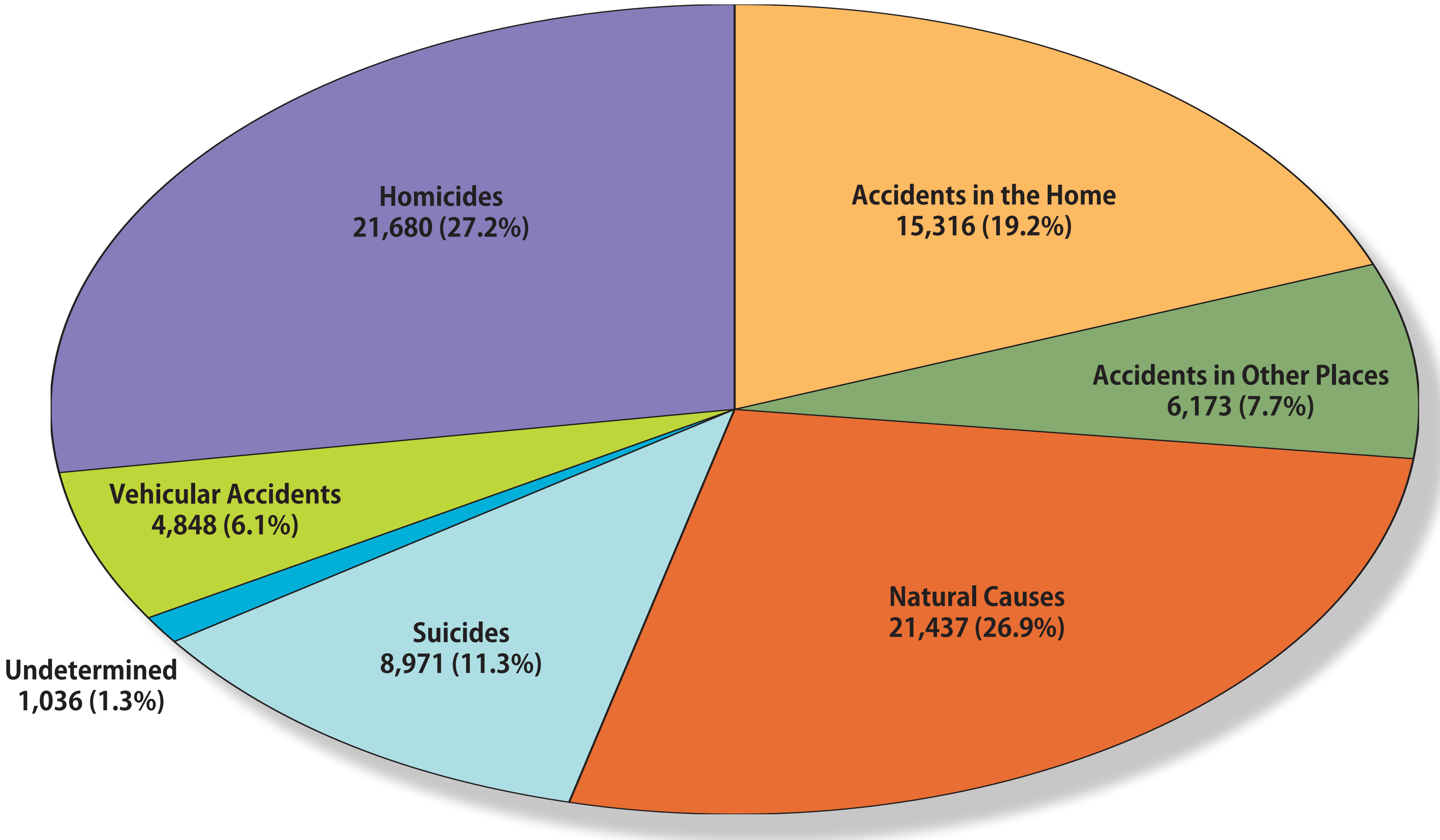
2017 PHOTOGRAPHY UNIT REPORT

TOTAL NUMBER OF RECORDED IMAGES BY MONTH FOR THE YEAR 2017



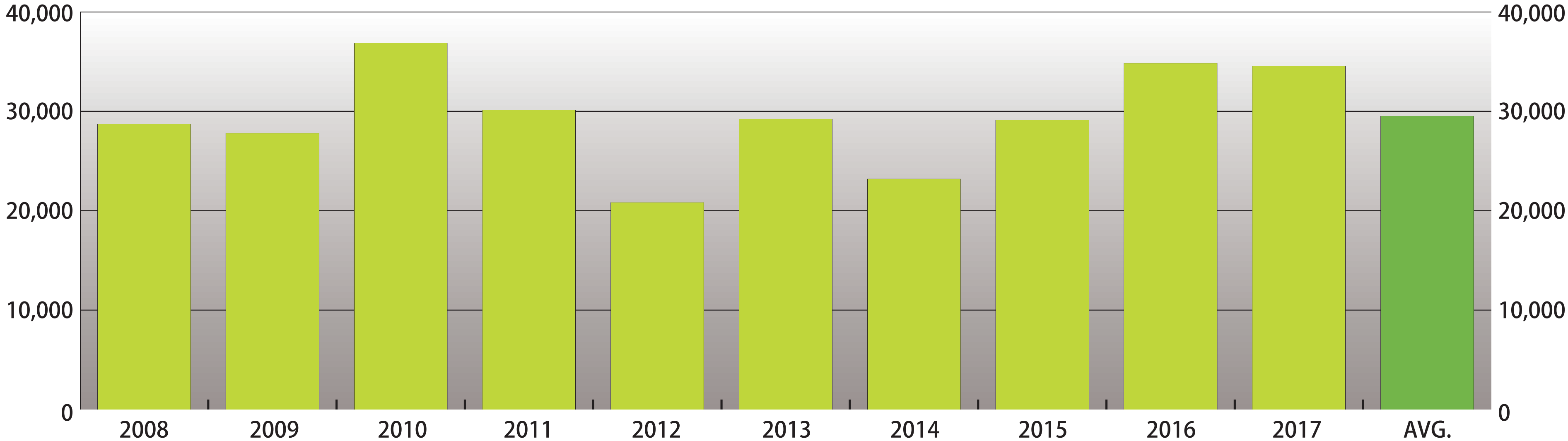
RECORDED IMAGES BY MANNER OF DEATH*

79,713 Digital Photographs



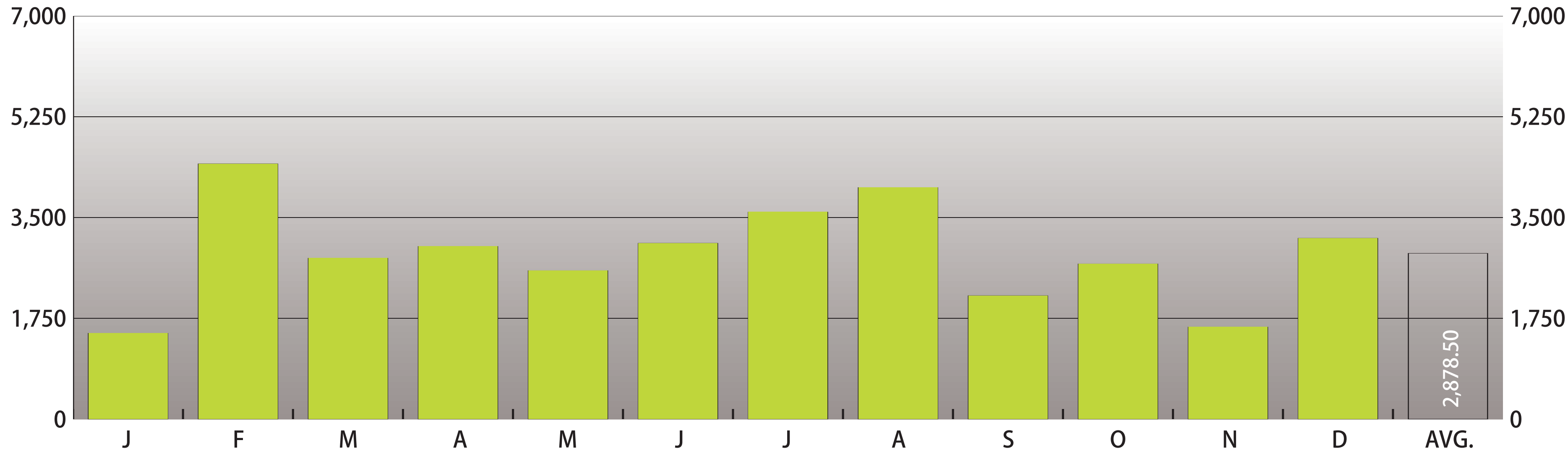
*Only the 79,461 digital images of 2017 Medical Examiner's cases taken in the calendar year 2017 were tabulated for this chart.
**Not included on this chart: Accidents While at Work (140) and No Manner Issued (112)

TOTAL NUMBER OF RELEASED IMAGES (PRINTED AND DIGITAL) FOR A PERIOD OF TEN YEARS



2017 PHOTOGRAPHY UNIT REPORT

TOTAL NUMBER OF RELEASED IMAGES (PRINTED AND DIGITAL) BY MONTH FOR THE YEAR 2017



While in the planning for over a decade, "The Lab" has been in operation for only a brief time. However, it is built upon the foundation of one of the oldest and longest continuously running coroner labs in the nation. Now under a new government, Cuyahoga County appoints a professional forensic pathologist to serve as the Medical Examiner. Dr. Thomas P. Gilson was named as Cuyahoga County's first medical examiner in 2011. Dr. Gilson stands firmly behind the concept of creating a forensic lab to serve the justice needs of the region.

CUYAHOGA COUNTY REGIONAL FORENSIC SCIENCE LABORATORY

Dozens of scientists populate several accredited laboratories, all working for one goal - "Truth and justice through science." These capabilities are not inexpensive but are being made available to every justice or law enforcement agency who wishes to take advantage of them.

The Cuyahoga County Medical Examiner's Office Regional Forensic Science Laboratory is accredited as a whole by ASCLD/LAB-International and maintains compliance with the guidelines set forth by ISO/IEC 17025 and ASCLD/LAB-International Supplemental Requirements for Forensic Science Testing Laboratories. In addition, the DNA unit also maintains compliance with the FBI Quality Assurance Standards for Forensic DNA Testing Laboratories. The Parentage and Identification lab maintains accreditation from the American Association of Blood Banks (AABB). The Toxicology Lab will have secured, as of publication, separate accreditation from the American Board of Forensic Toxicology (ABFT).

These accreditations verify the reliability of various aspects of the testing including laboratory equipment, the qualifications of our laboratory staff, and the soundness of our testing methods and standard operating procedures. Further, it makes the CCRFSL the most highly accredited public forensic laboratory in the United States.

Photograph by G. Wilson

The Drug Chemistry Section started in 2008 as plans for a regional crime lab began to take shape. The Coroner's Drug Chemistry Section became more of a reality when an agreement was reached with the Cuyahoga County Sheriff for the Coroner's office to be the sole provider of controlled substance testing for that agency. Late in 2009 this service was finally made available. The section has expanded greatly with the formation of agreements with CMHA and the City of Cleveland to provide this service in exchange for personnel to help perform regional testing, as well as a dozen or so other agencies on an annual contract or on a fee-per-case basis.

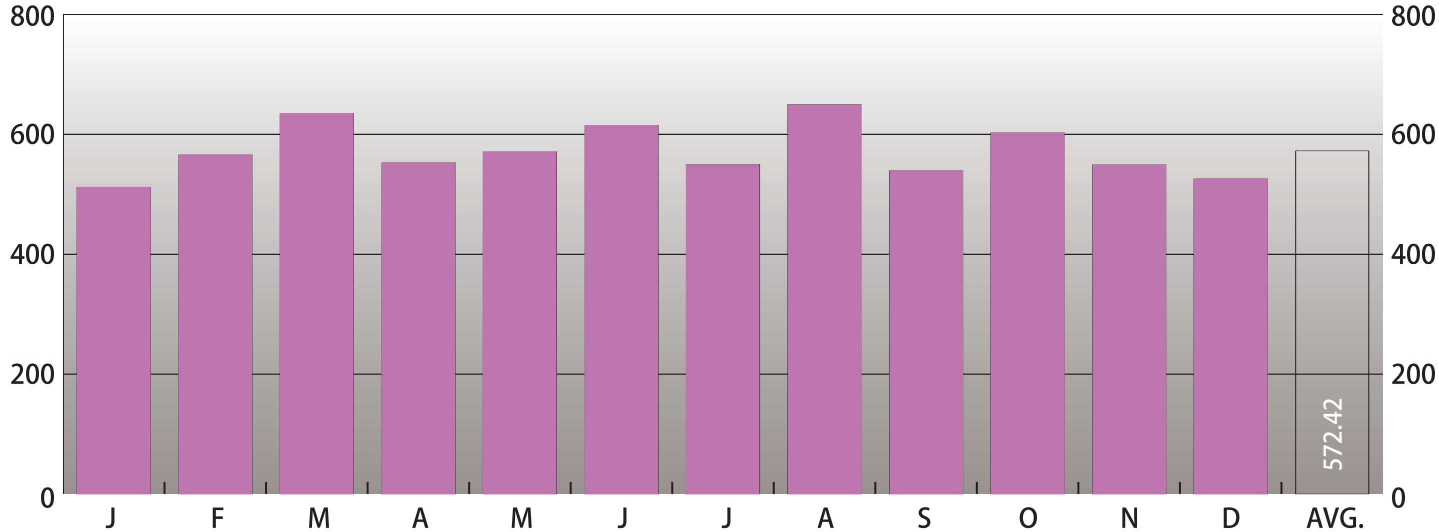
The Drug Chemistry Section has streamlined its reporting process by producing and delivering all reports electronically. Doing so has allowed the new Cuyahoga County Regional Forensic Science Lab to deliver controlled substance testing results much more quickly and efficiently than was being done previously. By combining this with very low turnaround times, the Drug Chemistry Section is providing controlled substance results faster than any other lab in the state and well below the national average. The accepted industry standard for the time needed to complete a drug chemistry case is 14 days while some labs consider 30 days to be satisfactory performance. Cases older than 30 days are considered to be backlogged cases.

Our Drug Chemistry Section averaged 3.5 days to complete a case in 2011 and this rate has been further lowered to approximately 2.5 days over the current year. We have no cases older than 30 days and no overtime is required to complete our casework. All of this has benefited the citizens of Cuyahoga County by reducing the cost of housing inmates in the county jail while they await arraignment on drug related offenses. Future plans

include a completely paperless operation as well as an Internet based information system whereby all submitting agencies can search for and print their reports from any location 24 hours a day.

The Drug Chemistry Section provides controlled substance testing to law enforcement. It is the purpose of this section to weigh and identify any controlled substance that might be present in suspected drug evidence. It is also important for this section to be able to determine if a sample does not contain a controlled substance to prevent erroneous prosecution. The section is fully equipped to handle this task without having to rely on reference labs or some other source of external testing.

CASES SUBMITTED BY MONTH FOR THE YEAR 2017



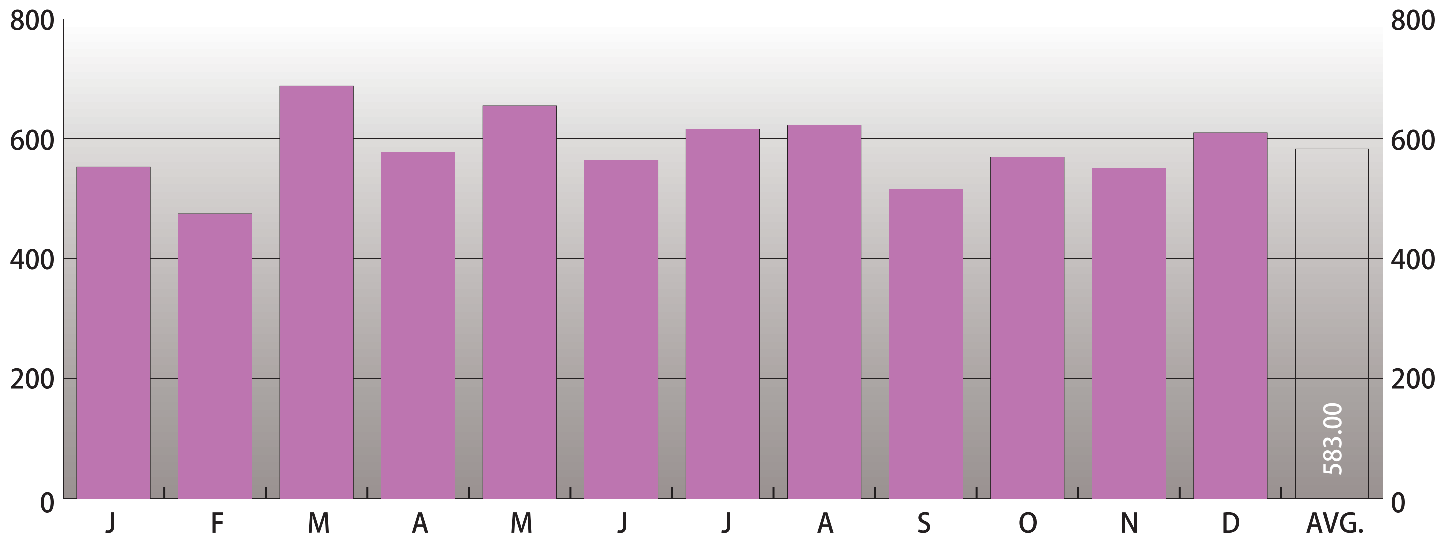
2017

TOTAL CASES

6,869

2017 DRUG CHEMISTRY SECTION REPORT

CASES COMPLETED BY MONTH FOR THE YEAR 2017



2017 CASELOAD BY SUBMITTING AGENCY

TABLE 79

Submitting Agency	Total	Submitting Agency	Total	Submitting Agency	Total
Cleveland Police Department-2nd District	2138	Shaker Heights Police Department	60	Richmond Heights Police Department	9
Cleveland Police Department Narcotics	1655	Cuyahoga County Medical Examiners Office	53	Portage County Drug Task Force	6
Cleveland Police Department-3rd District	1407	Cleveland Police Department Homicide	45	Orange Village Police Department	5
Cleveland Police Department-5th District	1260	Middleburg Heights Police Department	38	Parma Heights Police Department	5
Cleveland Police Department-4th District	1101	East Cleveland Police Department	30	Cuyahoga Heights Police Department	4
CMHA Police Department	1074	University Hospitals Police Department	30	Pepper Pike Police Department	4
Cuyahoga County Sheriff Office	1016	South Euclid Police Department	29	U.S. Marshal Service	4
Euclid Police Department	752	Newburgh Heights Police Department	28	Westshore Enforcement Bureau	4
Cleveland Police Department-1st District	622	Brooklyn Heights Police Department	26	CPD Crime Scene Unit	3
RTA Transit Police	547	Maple Heights Police Department	23	Fairview Park Police Department	3
Lakewood Police Department	534	U.S. Pretrial Services and Probation Office	21	North Olmsted Police Department	3
Parma Police Department	355	Mayfield Village Police Department.	8	Gates Mills Police Department	2
CPD Gang Impact Unit	331	Chester Township Police Department	18	NASA Glenn Research Center OIG	2
SDEU	314	CPD Sex Crimes Unit	16	Cleveland Police Department AIU	1
Homeland Security Investigations	224	Cuyahoga County Regional Forensic Science Lab	15	Moreland Hills Police Department	1
Cleveland MetroPark Ranger Department	171	University Circle Police Department	14	Solon Police Department	1
CPD NICE Unit	168	Berea Police Department	13	Strongsville Police Department	1
Westlake Police Department	145	Brooklyn Police Department	13		
Brookpark Police Department	140	CPD Cleveland-Hopkins Airport Authority	13		
Cleveland Heights Police Department	131	Garfield Heights Police Department	13		
Bedford Police Department	121	Beachwood Police Department	12		
SEALE	118	Seven Hills Police Department	12		
US Postal Inspection Service	103	US Department of Veterans Affairs-Police Service	12		
North Royalton Police Department	77	Mayfield Village Police Department	11		
Cleveland Clinic Police Department	74	Adult Parole Authority	10		
Bay Village Police Department	67	Cleveland Police Department Traffic Enforcement	10		
Bratenahl Village Police Department	65	Highland Heights Police Department	10		
DEA Cleveland	62	Lyndhurst Police Department	10		
Mayfield Heights Police Department	61	Olmsted Township Police Department	10		

TABLE 80 2017 CONTROLLED SUBSTANCE RESULT FREQUENCY*

Controlled Substance	Total	Controlled Substance	Total
Cocaine	4296	Tramadol	107
Marihuana	3945	Oxycodone	103
Heroin	2126	Amphetamine	96
Fentanyl Analogs	1894	Buprenorphine/Naloxone	77
Carfentanil alone	781	Steroids	66
Fentanyl	1466	Monoacetylmorphine	53
Delta-9-Tetrahydrocannabinol (THC)/Hashish/CBD	907	Hydrocodone/Acetaminophen	45
Methamphetamine	539	Diazepam	44
Substituted Cathinones	329	Clonazepam	42
N-Ethylpentylone	158	3,4-Methylenedioxymethamphetamine (MDMA)	41
Synthetic Cannabinoids	238	Mytragynine (Kratom)	30
5-Fluoro-ADB	116	Morphine	25
Alprazolam	231	Methylphenidate	24
Oxycodone/Acetaminophen	180	Lysergic Acid Diethylamide (LSD)	19
Phencyclidine (PCP)	149	Methadone	18

2017 CONTROLLED SUBSTANCE RESULT FREQUENCY* (continued)

TABLE 80

Controlled Substance	Total	Controlled Substance	Total
Ketamine	16	Oxymorphone	3
Psilocyn	16	5-MeO-DiPT	2
Zolpidem	16	Midazolam	2
Carisoprodol	10	Modafinil	2
Hydrocodone	10	N, N-Dimethyltryptamine (DMT)	2
Codeine/Acetaminophen	9	Temazepam	2
Lisdexamphetamine	9	2-CB	1
Codeine	7	Butalbital/Acetaminophen/Caffeine	1
Noscapine	7	Phenobarbital	1
Pregabalin	7	Tenocyclidine	1
Ephedrine/Pseudoephedrine	6		
Buprenorphine	5		
N-Benzylpiperazine (BZP)	4		
Benzothiophenylcyclohexylpiperidine (BTCP)	3		
Cathine	3		

***5,251 total cases were processed in 2017.**

TABLE 81

2017 CONTROLLED SUBSTANCE AMOUNTS REPORTED

Controlled Substance	Unit Dose	Grams	Controlled Substance	Unit Dose	Grams
Cocaine		37137.94	Tramadol	587.25	190.26
Marihuana		349179.1	Oxycodone	702.5	17.82
Heroin	513	8956.45	Amphetamine	582.75	4.92
Fentanyl Analogs		7573.07	Buprenorphine/Naloxone	315	2.25
Carfentanil alone	2024.13	6041.22	Steroids		4748.36
Fentanyl		3498.45	Monoacetylmorphine		419.28
Delta-9-Tetrahydrocannabinol (THC)/Hashish/CBD		4861.24	Hydrocodone/Acetaminophen	235.25	0.79
Methamphetamine		4369.23	Diazepam	679.5	2.79
Substituted Cathinones		6082.09	Clonazepam	420.25	
N-Ethylpentylone	4904.24	692.42	3,4-Methylenedioxymethamphetamine (MDMA)	20	61.95
Synthetic Cannabinoids		5658.62	Mytragynine (Kratom)		1719.13
5-Fluoro-ADB	3494.09	27.28	Morphine	8	327.68
Alprazolam	1884	100.51	Methylphenidate	95.75	1.58
Oxycodone/Acetaminophen	1283.5	2.51	Lysergic Acid Diethylamide (LSD)	158.75	
Phencyclidine (PCP)	52.5	9289.12	Methadone	64	290.86

2017 CONTROLLED SUBSTANCE AMOUNTS REPORTED (continued)

TABLE 81

Controlled Substance	Unit Dose	Grams	Controlled Substance	Unit Dose	Grams
Ketamine		1045.48	Oxymorphone	3	0.45
Psilocyn		256.96	5-MeO-DiPT		0.59
Zolpidem	211	0.33	Midazolam		6.94
Carisoprodol	177		Modafinil	5	
Hydrocodone	1	111.91	N, N-Dimethyltryptamine (DMT)		0.5
Codeine/Acetaminophen	71		Temazepam	4	0.65
Lisdexamphetamine	51		2-CB		0.99
Codeine		32.08	Butalbital/Acetaminophen/Caffeine	0.5	
Noscapine		607.9	Phenobarbital		0.12
Pregabalin	179		Tenocyclidine		6.25
Ephedrine/Pseudoephedrine		2.7			
Buprenorphine	22				
N-Benzylpiperazine (BZP)		0.95			
Benzothiophenylcyclohexylpiperidine (BTCP)		0.88			
Cathine		205.5			

Forensic Scientists within the Fingerprint Laboratory will develop and recover latent prints from items of evidence, analyze any latent impressions that are detected, and may compare these impressions with the known prints of individuals or may search them through the automated database.

An additional service provided by the Fingerprint Lab is the identification of deceased individuals. Fingerprints may be recorded from deceased individuals which can be compared to known exemplars of individuals in order to identify the decedent.

Development techniques routinely utilized by the Fingerprint Lab include:

Visual Examination
Alternated Light Source Examinations (used to visualize fluorescent techniques or inherent luminescence)

Cyanoacrylate Fuming (superglue fuming which adheres to moisture in latent print residue on non-porous surfaces)

Cyanoacrylate Dye Stains (fluorescent dye stain used after cyanoacrylate fuming)

Powders (adheres oils, moisture and contaminants in latent print residue)

Ninhydrin (reacts with amino acids present in sweat, used on porous surfaces)

DFO (reacts with amino acids present in sweat producing a fluorescent reaction, used on porous surfaces)

1,2-Indanedione(reacts with amino acids present in sweat producing a fluorescent reaction, used on porous surfaces)

Physical Developer (reacts with non-soluble components of latent print residue, can be used to process porous items exposed to moisture)

Amido Black (protein enhancer for blood prints)

Small Particle Reagents (powder suspension that can be used to process non-porous items exposed to moisture)

Adhesive Processing Techniques (powder suspensions such as wetpowder and dial soap formulations that can be used to develop latent prints on adhesive surfaces)

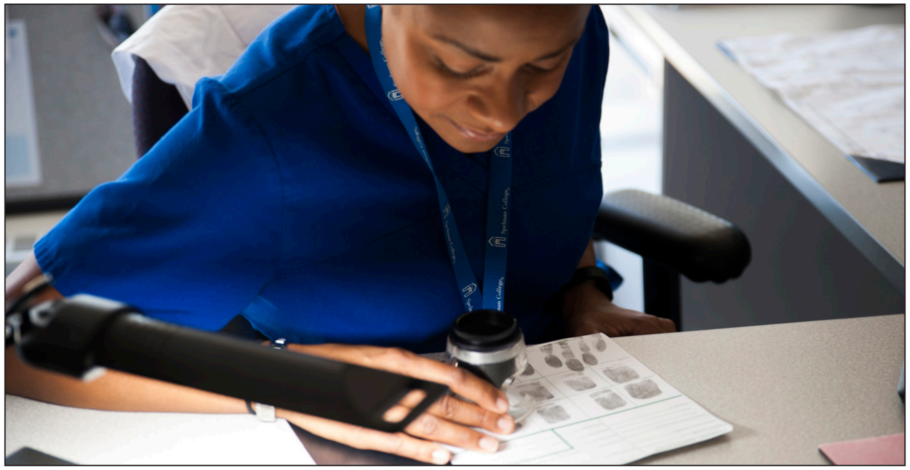
Latent print examinations are conducted utilizing the ACE-V methodology. This is a sequential process which consists of four phases; Analysis, Comparison, Evaluation and when appropriate, Verification.

Analysis—the assessment of an impression to determine suitability for comparison

Comparison—the observation of two or more impressions to determine the existence of discrepancies, dissimilarities or similarities

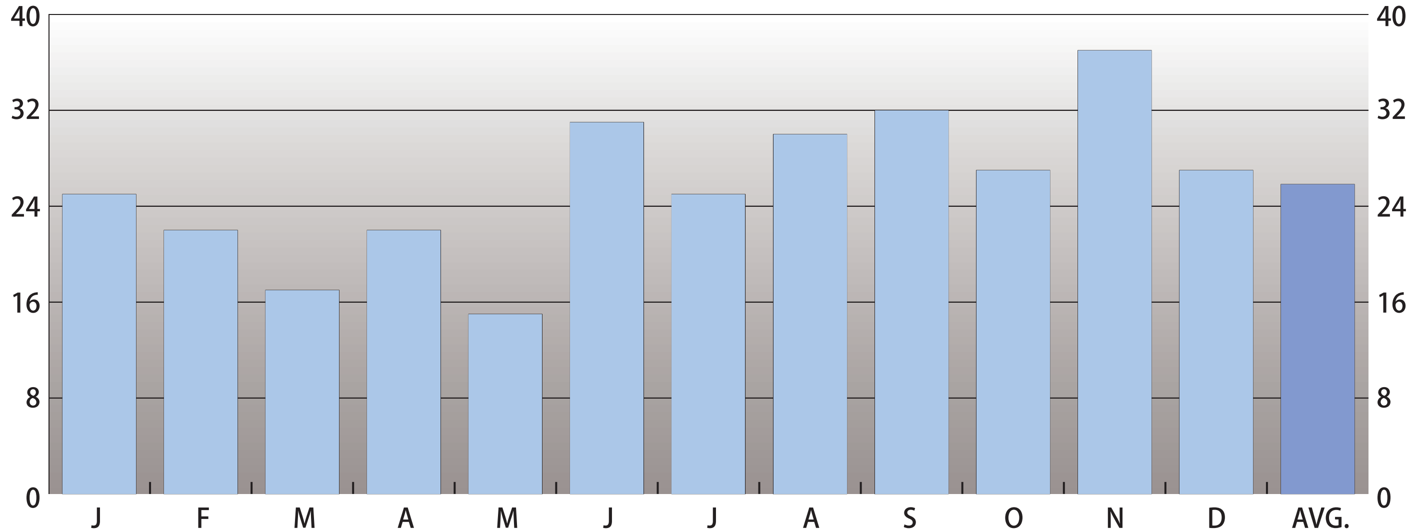
Evaluation—decision making step in which an examiner reaches a conclusion based upon the information observed in Analysis and Comparison

Verification—a second latent print examiner will conduct an independent ACE examination of the latent print to either support or refute the conclusion of the first examiner.



2017 FINGERPRINTS UNIT REPORT

CASES SUBMITTED BY MONTH FOR THE YEAR 2017



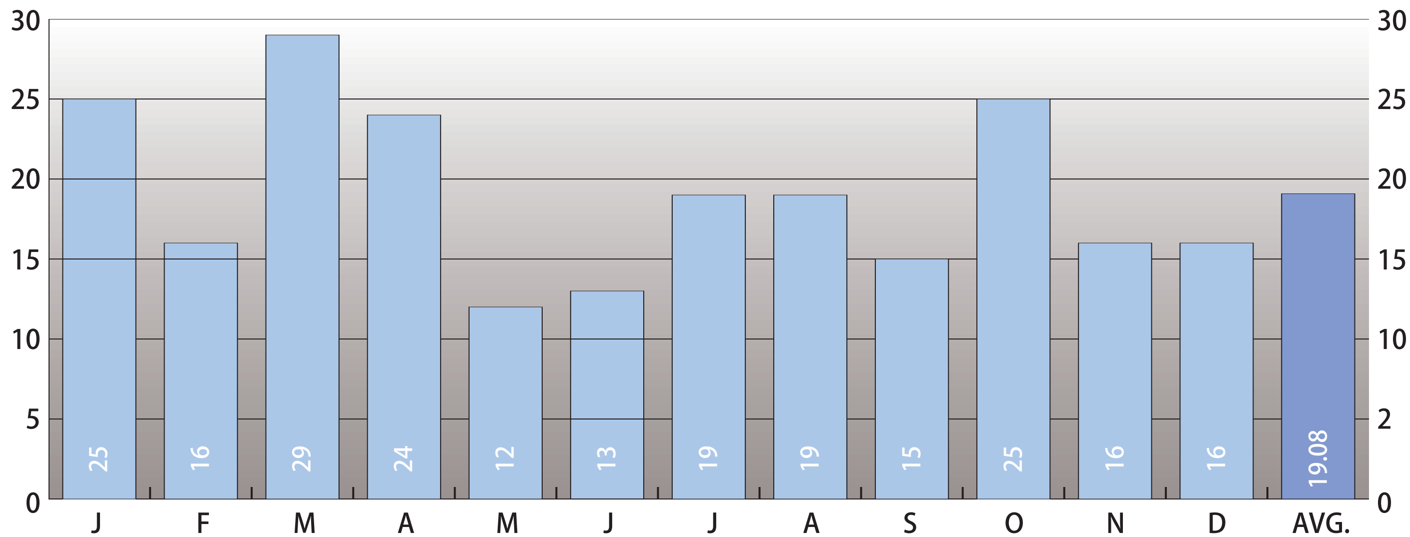
2017

TOTAL CASES

310

2017 FINGERPRINTS UNIT REPORT

CASES COMPLETED BY MONTH FOR THE YEAR 2017

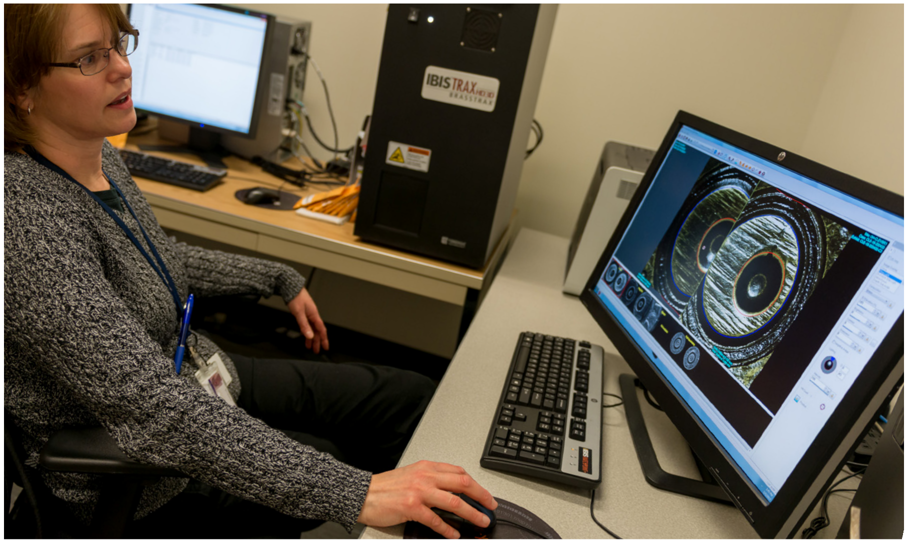


In 2017, the Firearms & Toolmarks Unit began to accept casework in two phases. Phase I transitioned casework from the Cleveland Police Department, where the laboratory was previously housed, to the new unit. Phase II expanded evidence submissions to local law enforcement agencies throughout Cuyahoga County. Our staff is comprised of veteran firearms experts who specialize in forensic science disciplines, such as firearms identification.

Forensic Firearms Identification deals primarily with the examination and comparison of fired ammunition components with known firearms. Evidence collected from crime scenes is examined and microscopically compared with test samples collected from test fired firearms in the laboratory. This process determines whether a particular firearm was used in an incident. It can also determine how many different firearms were used in an incident. Firearms examiners use a comparison microscope to analyze the unique striations, or markings, left behind on fired bullets and fired cartridge cases.

In addition to comparative examinations, the Firearms & Toolmarks Unit performs functionality determinations on firearms submitted in violent crime cases. The laboratory utilizes an indoor firing range which contains a water tank, cotton box, and a remote firing stand (used for test firing damaged or unsafe weapons). Known standards are collected from submitted firearms and can be later compared to fired bullets and fired cartridge cases collected at crime scenes.

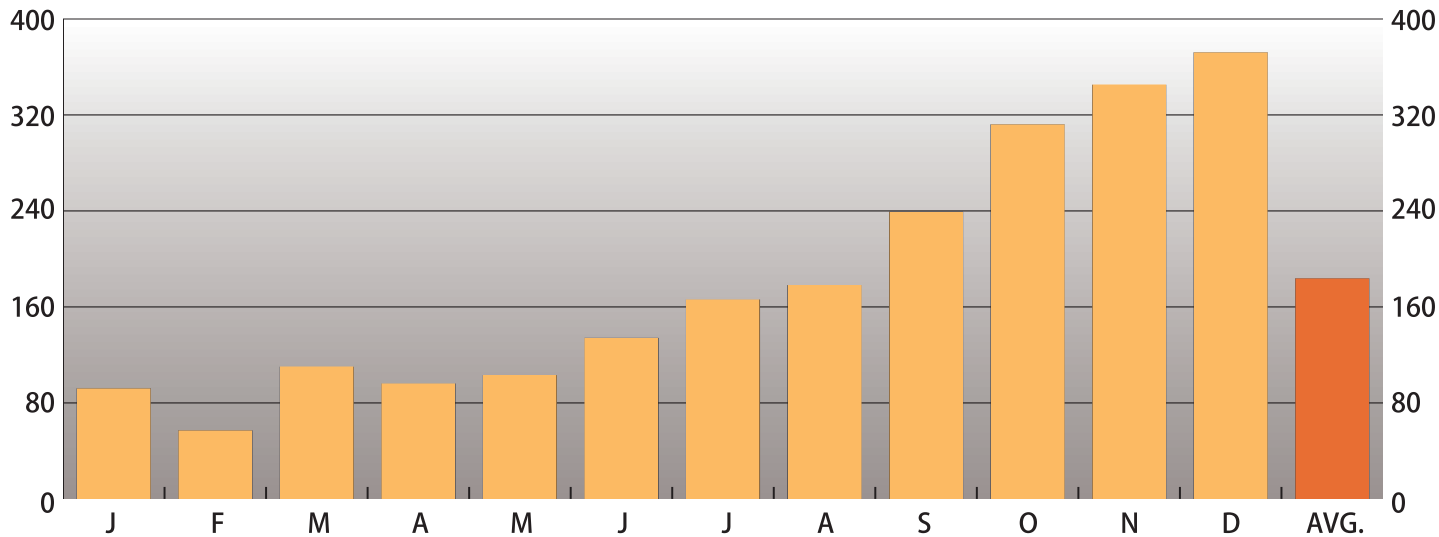
Occasionally, firearms are submitted with obliterated serial numbers. The Firearms unit performs serial number restorations using a series of acids. This can lead to the possible discovery that a firearm was stolen or trace the firearm back to its owner.



Furthermore, the firearms unit is partnered with the Bureau of Alcohol, Tobacco, and Firearms (ATF) in the usage of the National Integrated Ballistic Information Network (NIBIN). Specialized equipment known as the Integrated Ballistics Identification System (IBIS) is used to digitally capture images of fired cartridge cases which are then uploaded into the NIBIN database. NIBIN then performs a computer-based comparison of the image against previously entered cartridge cases in the database. The primary goal of the program is to link fired crime scene cartridge cases back to a firearm and to link previously unassociated cases.

2017 FIREARMS & TOOLMARKS UNIT REPORT

CASES SUBMITTED BY MONTH FOR THE YEAR 2017



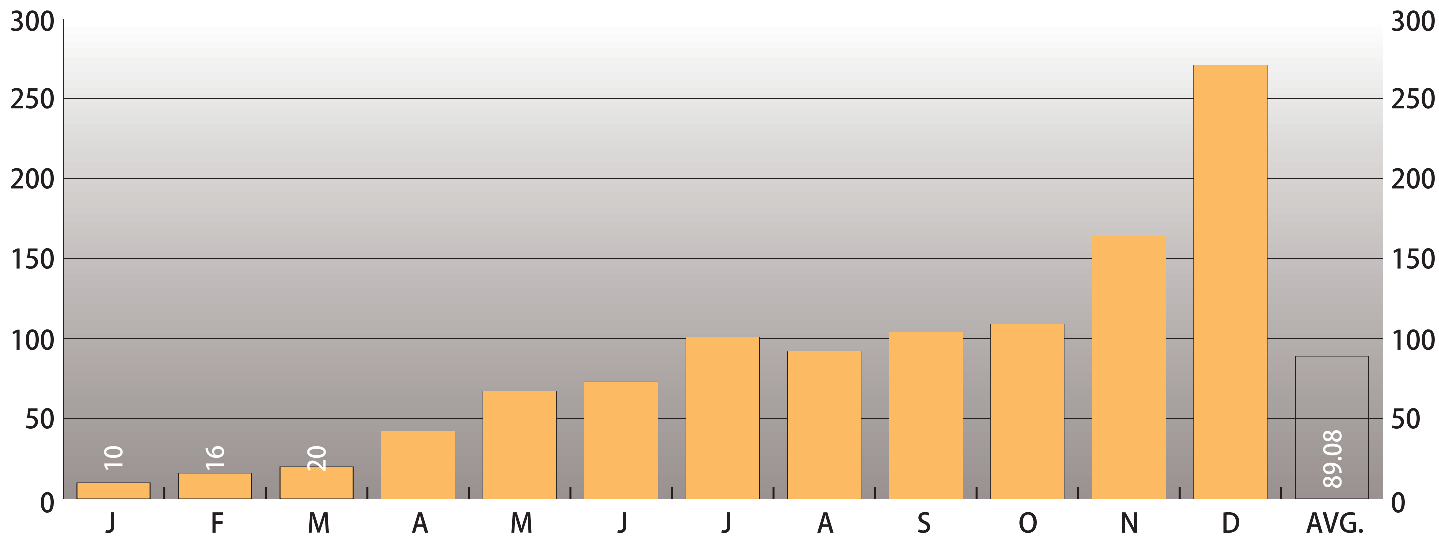
2017

TOTAL CASES

2,204

2017 FIREARMS & TOOLMARKS UNIT REPORT

CASES COMPLETED BY MONTH FOR THE YEAR 2017



Photograph by J. Bielinski

The Forensic DNA Unit helps to determine the possible identity, cause and circumstances in a criminal case through DNA analysis on the biological evidence in the case. DNA, or deoxyribonucleic acid, is a large molecule located within cells that contains the genetic instructions or blueprints needed to construct other components of cells and are used in the development and functioning of life forms. DNA analysis is a powerful tool because each person's DNA is unique (with the exception of identical twins).

The DNA unit maintains compliance with the FBI Quality Assurance Standards for Forensic DNA Testing Laboratories along with the Regional Forensic Science Lab overall ASCLD/LAB-International. These accreditations verify the reliability of various aspects of the testing including laboratory equipment, the qualifications of our laboratory staff, and the soundness of our testing methods and standard operating procedures.

The Forensic DNA Unit consists of two components: Casework and CODIS.

The Casework element involves performing scientific analysis of biological samples recovered from crime scenes. DNA collection and analysis give the criminal justice field a powerful tool for convicting the guilty and exonerating the innocent.

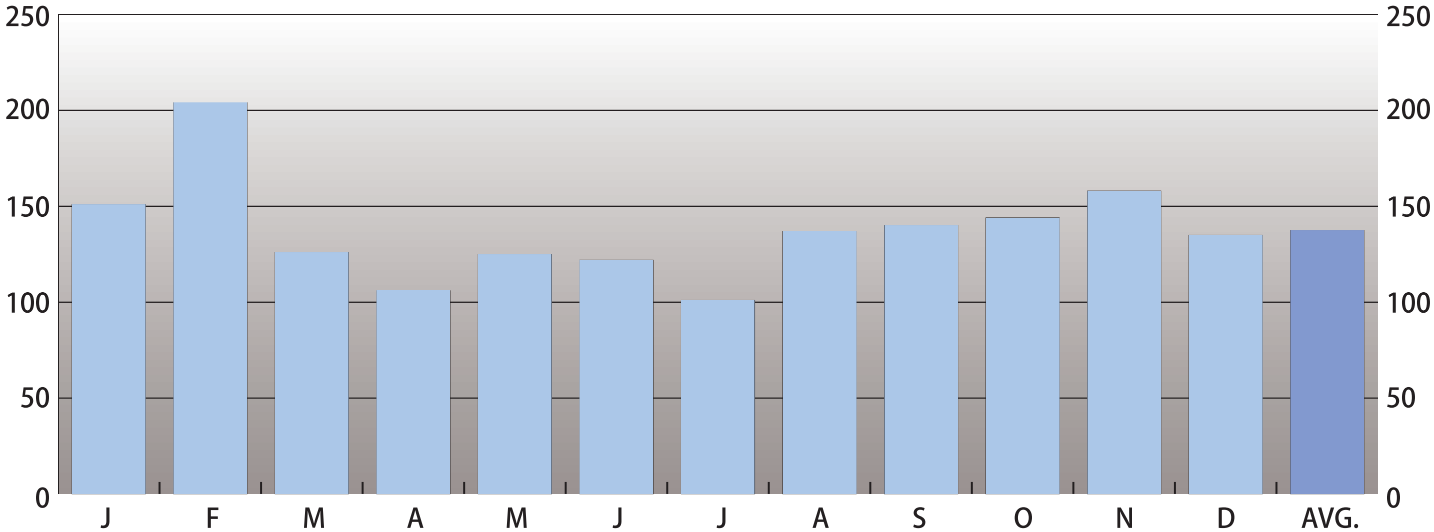
The unit assists law enforcement in resolving homicide cases through identification of any foreign DNA on the victim and through identification of DNA on the evidence collected from the crime scene and potential suspects. The unit also performs DNA analysis on biological evidence collected in sexual assault cases. In addition, the unit also performs DNA analysis on numerous evidentiary items such as guns, trigger, spent shell casings, knives, door knobs/handles, steering wheels, drug pouches and plastic baggies, which can successfully link the perpetrator to the item to help the law enforcement agencies in solving various other crimes.

"Touch DNA" refers to the DNA that is left behind from skin cells when a person touches or comes into contact with an item. By using Touch DNA techniques, the Forensic DNA Unit can work on the evidence from breaking and entering cases and examine guns and other weapons for possible DNA.

The Forensic DNA Unit also performs DNA analysis in "Cold Cases" using the latest DNA technologies.

The CODIS component makes use of the Combined DNA Index System, which blends computer and DNA technologies into an effective tool for fighting violent crime. CODIS can generate investigative leads through different database searches, in crimes where biological evidence is recovered from the crime scene. It enables federal, state, and local forensic laboratories to exchange and compare DNA profiles electronically, thereby linking serial violent crimes to each other and to known offenders.

CASES SUBMITTED BY MONTH FOR THE YEAR 2017



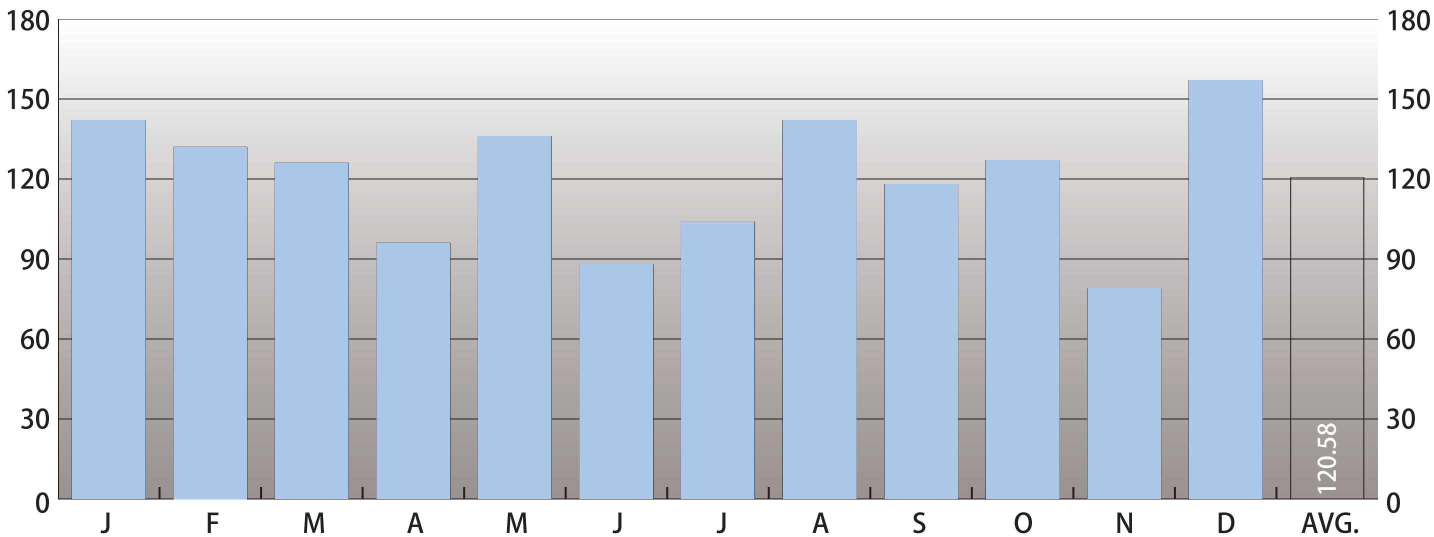
2017

TOTAL CASES

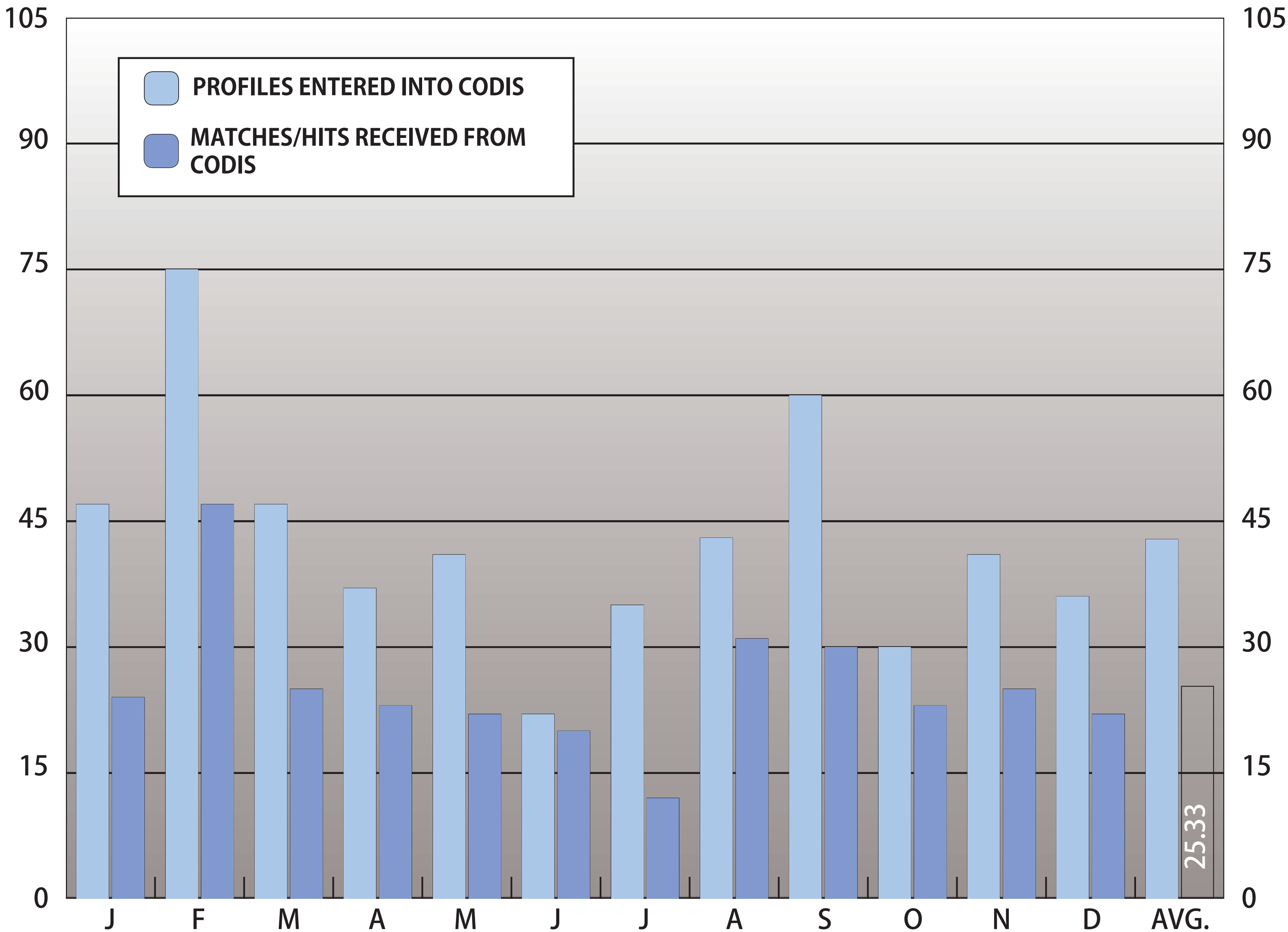
1,649

2017 FORENSIC DNA UNIT REPORT

CASES COMPLETED BY MONTH FOR THE YEAR 2017



2017 COMBINED DNA INDEX SYSTEM (CODIS)



Photograph by J. Bielinski

The Parentage & ID unit is accredited by AABB (American Association of Blood Banks). The Unit performs DNA relationship testing to identify decedents or human remains which cannot be visually identified due to decomposition, burning and/or mutilation. Efficient identification of such decedents/remains is required so that they can be released to the relatives, a correct death certificate may be issued, and law enforcement investigations may proceed.

Relationship DNA analysis is also used in resolving missing person cases. The unit also provides DNA relationship analysis in criminal paternity cases where it is believed that a woman has become pregnant as a result of a sexual assault. In such cases DNA paternity analysis can be carried out to establish the identity of the father of the baby, or in other situations such as rape or incest where there are products of conception. The unit also provides DNA relationship testing in child support, divorce, custody issues and immigration cases etc.

The Parentage & ID unit offers following types of DNA tests:

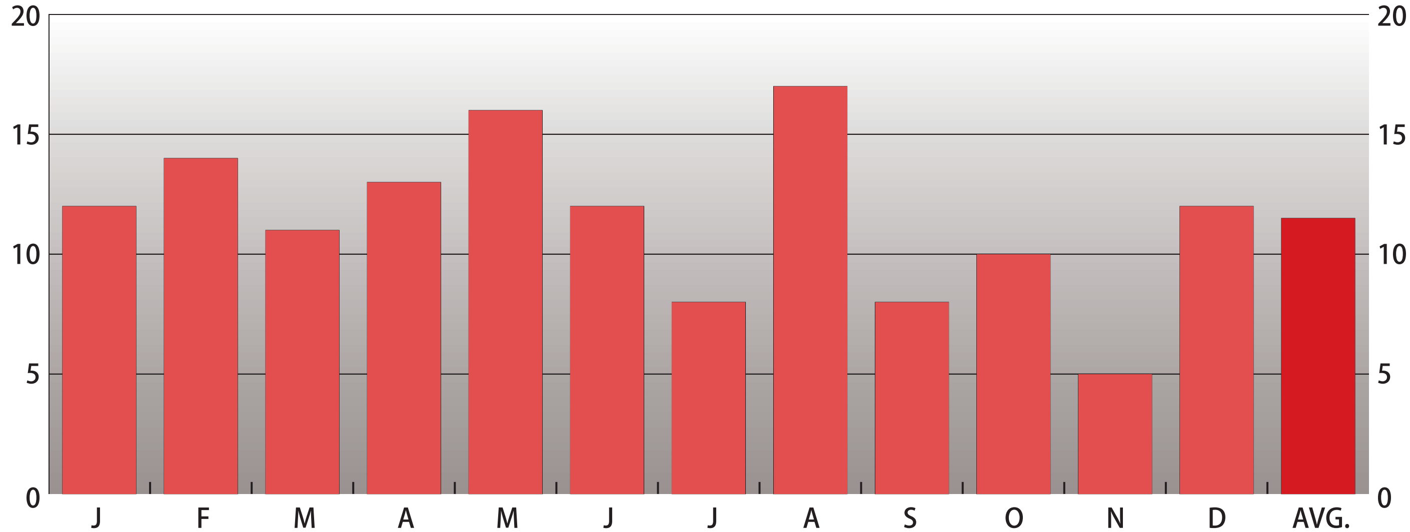
- Paternity test
- Maternity test
- Sibship test
- Grandparents test
- Twin Zygosity
- DNA ID profiling
- Immigration DNA test

The Parentage & Identification Unit of the Cuyahoga County Regional Forensic Science Laboratory also provides DNA relationship services to the general public for the following legal purposes.

The DNA relationship testing is usually performed in following types of cases:

- Identification
- Criminal Paternity Cases
- Child Support
- Child Custody/Visitation Rights
- Immigration
- Adoption
- Insurance/Inheritance Claims
- Welfare and Social Security Cases

CASES SUBMITTED BY MONTH FOR THE YEAR 2017



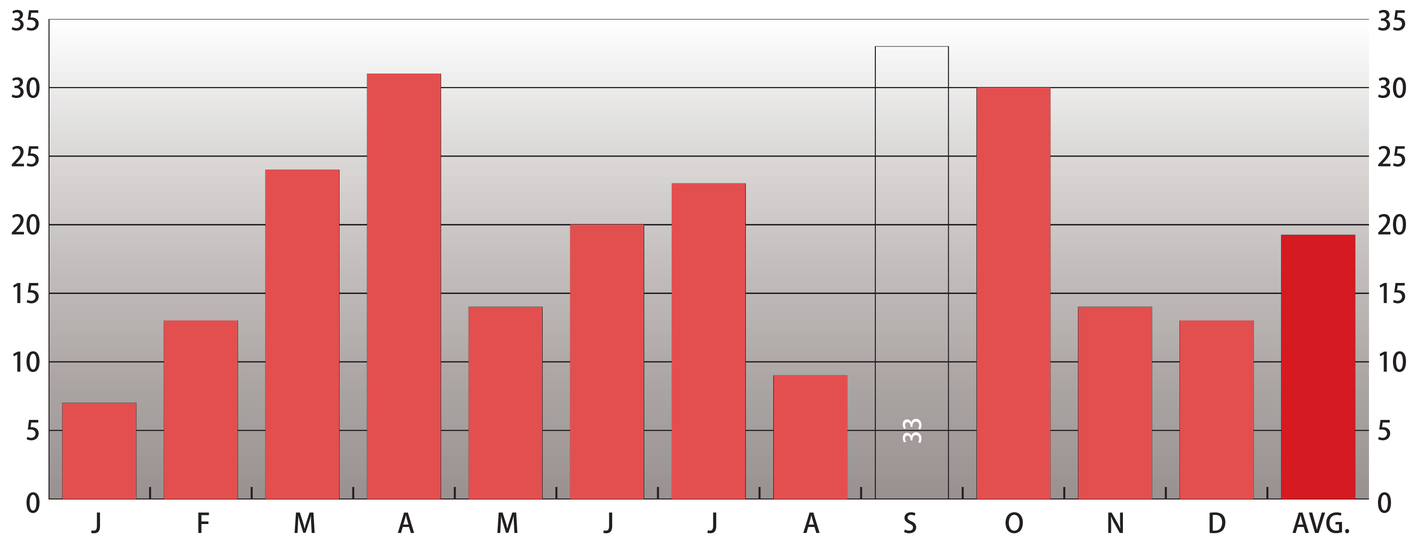
2017

TOTAL CASES

138

2017 PARENTAGE AND IDENTIFICATION DEPARTMENT REPORT

CASES COMPLETED BY MONTH FOR THE YEAR 2017



Accurately determining the cause and manner of death is essential for the protection of public health and safety. Many disciplines are required to work together as a team to ensure that correct determinations are made. A critical part of the process in determining cause and manner of death is a forensically reliable Toxicology Unit. Toxicology as a scientific discipline is the study of how chemicals and drugs adversely affect living organisms. The sub-discipline of Forensic Toxicology is concerned with toxicity to humans and the medico-legal consequences, where the results are likely to be used in court. Forensic Toxicologists may be involved with postmortem toxicology, behavioral or human performance toxicology, and/or forensic drug testing. The Toxicology Laboratory at the Cuyahoga County Medical Examiner's Office (CCMEO) performs all of these types of testing with a primary emphasis on postmortem toxicology.

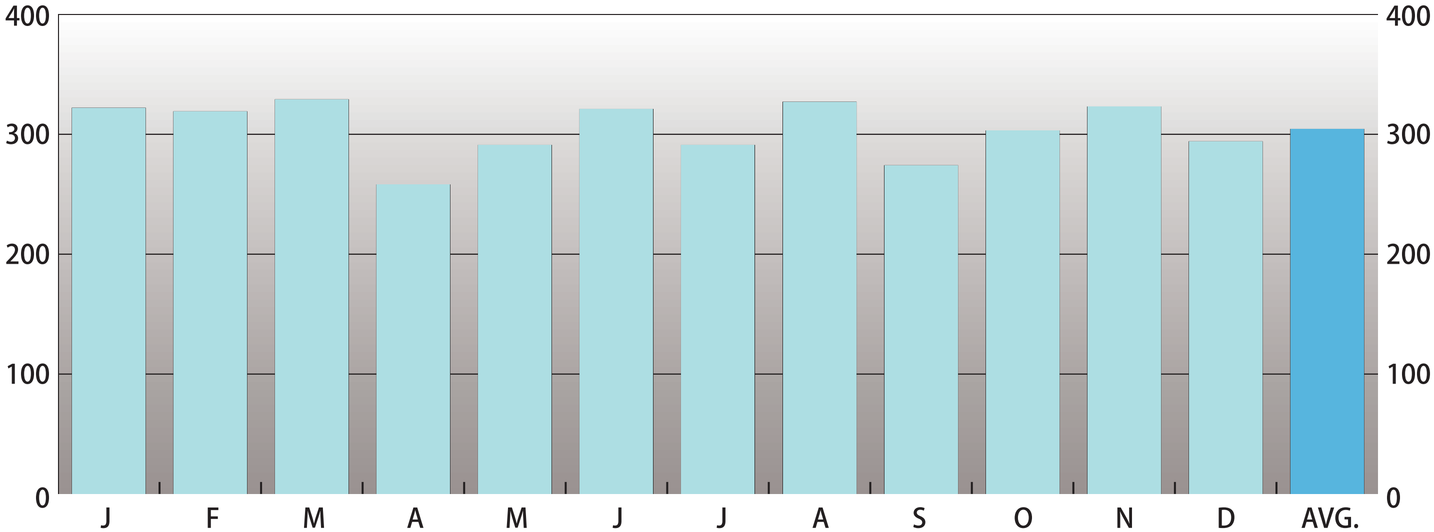
Postmortem toxicology is performed to assist pathologists, coroners or medical examiners determine whether drugs, alcohol or chemicals played a role in causing the death of an individual. The Toxicologist identifies and quantifies the drugs present in postmortem fluids and tissues and provides interpretation of the results as to whether the level represents a therapeutic, toxic or lethal concentration. During this process the Pathologists need to have the ability to interact with the Toxicology staff to discuss cases. Toxicologists consult on pharmacology, specimen selection, drug metabolism and elimination kinetics, drug-drug interactions, drug stability, tolerance, postmortem artifacts and provide expert witness testimony in court.

Human performance toxicology deals with living subjects who may have been stopped for impaired driving or the victim of a crime, such as drug facilitated sexual assault. Probation testing, similar to work place drug testing, detects the use of controlled substances by individuals who are being monitored by the courts.

Recently, the Toxicology Laboratory joined an elite group of laboratories by becoming accredited by several national accrediting agencies. In 2004, the CCMEO Toxicology Laboratory was the 13th laboratory to become accredited by the American Board of Forensic Toxicology (ABFT). In 2006, the laboratory received accreditation by the American Society of Crime Lab Directors/Laboratory Accreditation Board (ASCLD LAB). In 2012, the Toxicology Laboratory was included as part of the CCMEO accreditation by the National Association of Medical Examiners (NAME). Very few offices have Toxicology laboratories which possess multiple accreditations; this accomplishment demonstrates the continued focus on promoting scientific excellence.

Within the newly realigned Cuyahoga County Regional Forensic Science Laboratory (CCRFSL), the Toxicology Department is a full service laboratory providing postmortem toxicology, human performance toxicology, forensic drug testing, and interpretation and consultation for Cuyahoga County and over 100 surrounding law enforcement, judicial and forensic agencies. More than 3,500 cases are processed each year involving over 50,000 specific analytical assays.

CASES SUBMITTED BY MONTH FOR THE YEAR 2017



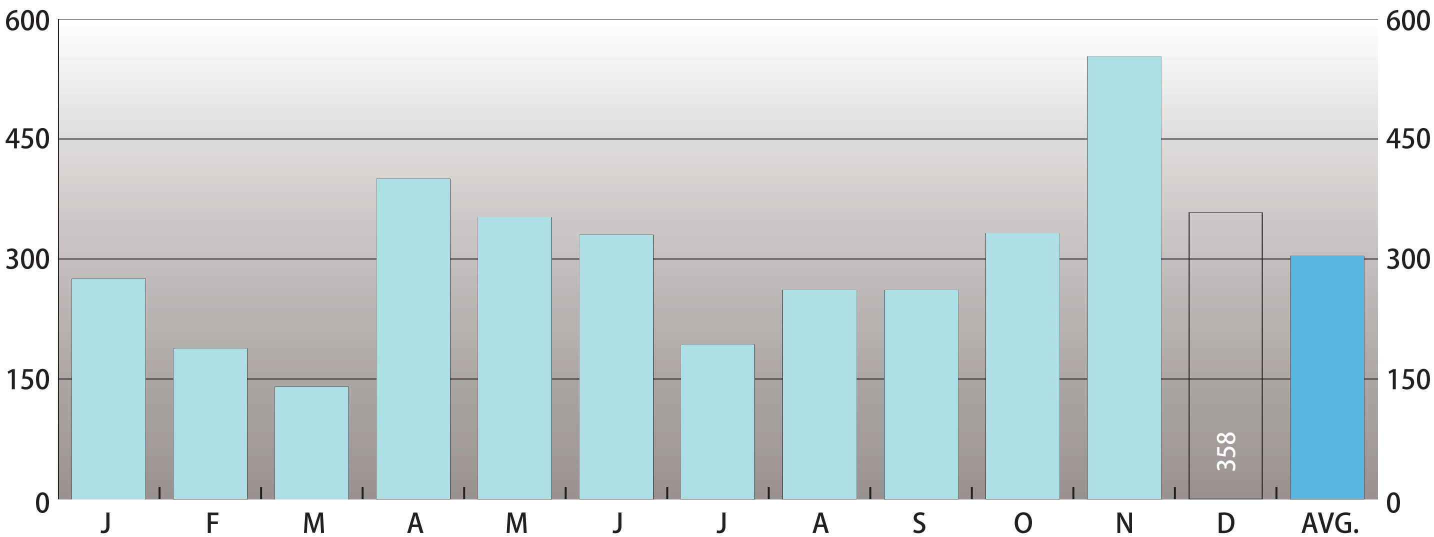
2017

TOTAL CASES

3,652

2017 TOXICOLOGY LABORATORY REPORT

CASES COMPLETED BY MONTH FOR THE YEAR 2017



2017 CASES SUBMITTED BY TYPE (BASED ON TESTING PERFORMED)

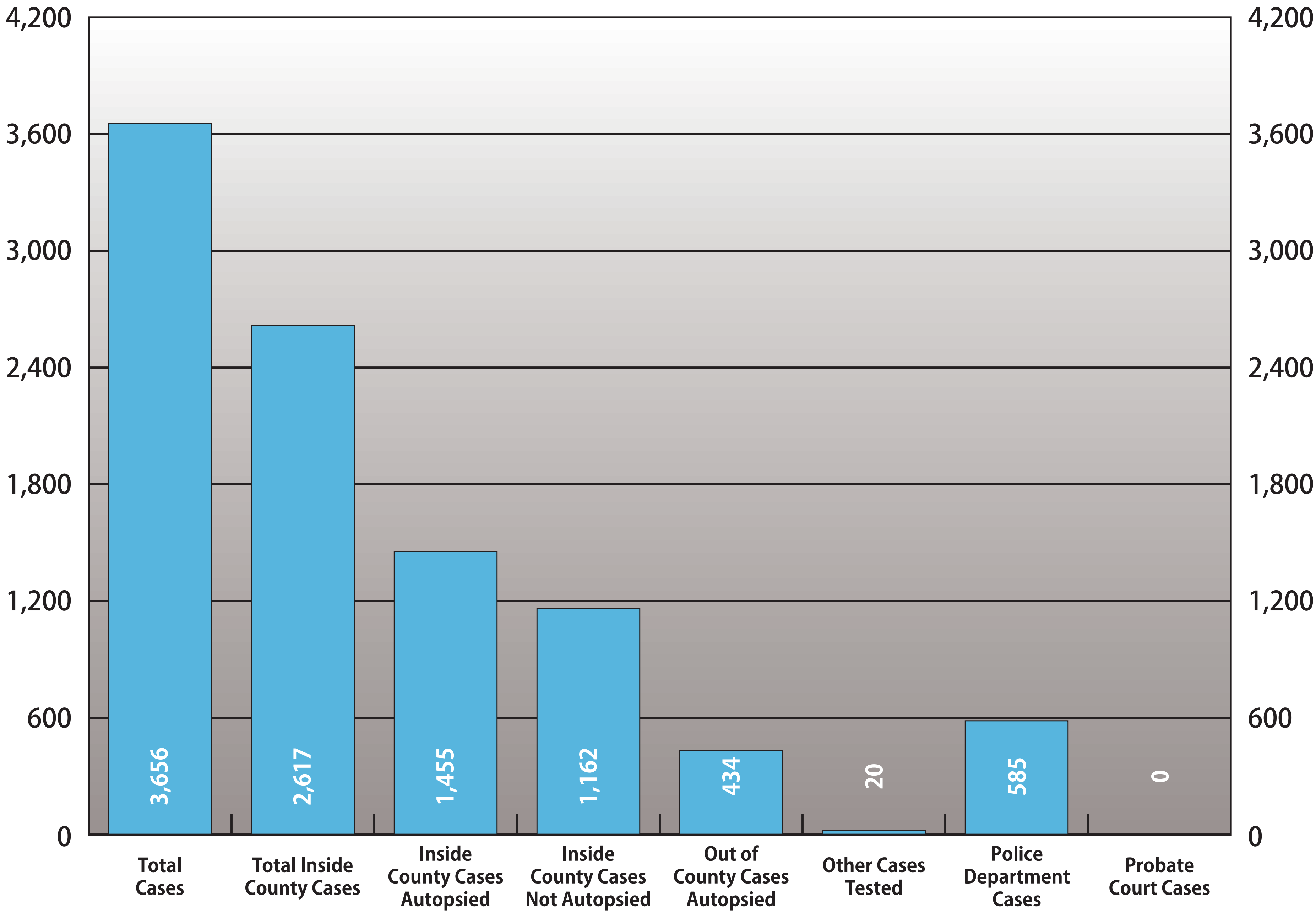


TABLE 82 INCIDENCE OF POISONING (%) IN TESTED INDIVIDUALS

	Cuyahoga County Medical Examiner's Office Cases			
	Number of Decedents		Number of Fatal Posionings	
Autopsied Cases*	1,455	(49.29%)	574	(80.39%)
Non-Autopsied Cases	1,497	(50.71%)	140	(19.61%)
Total	**2,952**	**(100.00%)**	**714**	**(100.00%)**

***Includes 8 hospital autopsies.**

2017 TOXICOLOGY LABORATORY REPORT

TABLE 83 SAMPLES RECEIVED FROM OUTSIDE REFERRING AGENCIES

Source	Cases	Number of Samples	% Cases
Cases from Other Coroner's Jurisdictions and Forensic Agencies	20	51	(1.91%)
Decedents Received from Other Coroner's Jurisdictions	434	4,787	(41.45%)
Proficiency Surveys	8	38	(0.76%)
Law Enforcement Agency Cases	585	1,992	(55.87%)
Total	**1,047**	**6,868**	**(100.00%)**

INCIDENCE AND FREQUENCY OF POSITIVE FINDINGS*

TABLE 84

	Cuyahoga County Medical Examiner's Laboratory Cases					
	Positive Cases			Fatal Poisonings		
Substances	Number Positive	Total Cases Tested	% Total Cases Tested	Number Positive	Total Poisoning Fatalities Tested	% Total Poisoning Fatalities Tested
1,1-Difluoroethane	4	1710	0.23	3	631	0.48
11-OH-delta-9-THC	107	1746	6.13	19	665	2.86
1-Butanol	5	1710	0.29	2	631	0.32
2-Furanyl fentanyl	22	1748	1.26	19	666	2.85
3,4-Methylenedioxyamphetamine	2	1746	0.11	2	665	0.30
3,4-Methylenedioxymethamphetamine	4	1746	0.23	3	665	0.45
4-ANPP	20	1748	1.14	1	666	0.15
6-Acetylmorphine	247	1749	14.12	234	667	35.08
7-Aminoclonazepam	35	1746	2.00	16	665	2.41
9-Hydroxyrisperidone	2	380	0.53	0	177	0.00
Acetaminophen	21	1319	1.59	7	581	1.20
Acetone	54	1710	3.16	6	631	0.95
Acetyl fentanyl	50	1748	2.86	35	666	5.26
Acrylfentanyl	34	1748	1.95	29	666	4.35
Alpha-Hydroxyalprazolam	9	1746	0.52	7	665	1.05
Alpha-Hydroxymidazolam	12	1746	0.69	2	665	0.30
Alprazolam	85	1746	4.87	60	665	9.02
Amantadine	1	1367	0.07	0	598	0.00
Amitriptyline	23	1367	1.68	14	598	2.34
Amlodipine	1	380	0.26	0	177	0.00
Amphetamine	53	1746	3.04	37	665	5.56
Anhydroecgonine Methyl Ester	173	1367	12.66	152	598	25.42
Aripiprazole	2	380	0.53	0	177	0.00
Atenolol	1	1367	0.07	0	598	0.00
Baclofen	1	380	0.26	0	177	0.00
Benzoylecgonine	399	1765	22.61	295	668	44.16
beta-Phenethylamine	21	1746	1.20	14	665	2.11
Buprenorphine	3	380	0.79	0	177	0.00
Bupropion	21	1367	1.54	13	598	2.17
Bupropion Metabolite(s)	29	1367	2.12	23	598	3.85

TABLE 84 INCIDENCE AND FREQUENCY OF POSITIVE FINDINGS* (continued)

	Cuyahoga County Medical Examiner's Laboratory Cases					
	Positive Cases			Fatal Poisonings		
Substances	Number Positive	Total Cases Tested	% Total Cases Tested	Number Positive	Total Poisoning Fatalities Tested	% Total Poisoning Fatalities Tested
Buspirone	2	1367	0.15	0	598	0.00
Butalbital	4	1866	0.21	2	664	0.30
Caffeine	356	1866	19.08	123	664	18.52
Carbamazepine	4	1866	0.21	1	664	0.15
Carbon Monoxide	22	75	29.33	18	29	62.07
Carfentanil	199	1748	11.38	191	666	28.68
Carisoprodol	3	1866	0.16	2	664	0.30
Cetirizine	1	1367	0.07	0	598	0.00
Chlordiazepoxide	1	1746	0.06	1	665	0.15
Chlorpheniramine	14	1367	1.02	10	598	1.67
cis/trans-3-Methylfentanyl	24	1748	1.37	21	666	3.15
Citalopram/Escitalopram	53	1367	3.88	36	598	6.02
Clobazam	1	380	0.26	0	177	0.00
Clonazepam	12	1746	0.69	4	665	0.60
Clonidine	1	380	0.26	0	177	0.00
Clozapine	1	1367	0.07	0	598	0.00
Cocaethylene	136	1765	7.71	106	668	15.87
Cocaine	313	1765	17.73	249	668	37.28
Codeine	182	1749	10.41	165	667	24.74
Cotinine	691	1367	50.55	361	598	60.37
Cyanide	1	380	0.26	0	177	0.00
Cyclobenzaprine	29	1367	2.12	16	598	2.68
Cyclopropyl/Crotonyl fentanyl	25	1748	1.43	11	666	1.65
Delta-9-THC	250	1746	14.32	45	665	6.77
Delta-9-THC-COOH	252	1746	14.43	57	665	8.57
Desipramine	2	1367	0.15	2	598	0.33
Desmethylsertraline	23	1367	1.68	12	598	2.01
Dextromethorphan	42	1367	3.07	23	598	3.85
Dextrorphan	1	1367	0.07	1	598	0.17

INCIDENCE AND FREQUENCY OF POSITIVE FINDINGS* (continued)

TABLE 84

	Cuyahoga County Medical Examiner's Laboratory Cases					
	Positive Cases			Fatal Poisonings		
Substances	Number Positive	Total Cases Tested	% Total Cases Tested	Number Positive	Total Poisoning Fatalities Tested	% Total Poisoning Fatalities Tested
Dextrorphan/Levorphanol	17	1367	1.24	10	598	1.67
Diazepam	43	1746	2.46	24	665	3.61
Dicyclomine	4	1367	0.29	2	598	0.33
Dihydrocodeine	16	1749	0.91	13	667	1.95
Diltiazem	8	1367	0.59	3	598	0.50
Diphenhydramine	186	1367	13.61	135	598	22.58
Doxepin	13	1367	0.95	9	598	1.51
Doxylamine	26	1367	1.90	14	598	2.34
Duloxetine	1	380	0.26	0	177	0.00
Ecgonine Methyl Ester	234	1367	17.12	194	598	32.44
Ephedrine/Pseudoephedrine	8	1367	0.59	3	598	0.50
Estazolam	1	1367	0.07	1	598	0.17
Ethanol	549	1710	32.11	211	631	33.44
Etomidate	1	380	0.26	0	177	0.00
Fentanyl	388	1748	22.20	334	666	50.15
Fluconazole	5	1866	0.27	1	664	0.15
Fluoxetine	14	1367	1.02	7	598	1.17
Gabapentin	20	389	5.14	8	177	4.52
Gabapentin breakdown	99	1367	7.24	75	598	12.54
Haloperidol	1	1367	0.07	0	598	0.00
Hydrocodone	40	1749	2.29	31	667	4.65
Hydromorphine	13	1749	0.74	10	667	1.50
Hydroxyzine	19	1367	1.39	11	598	1.84
Ibuprofen	7	1866	0.38	3	664	0.45
Imipramine	1	1367	0.07	1	598	0.17
Isopropanol	14	1710	0.82	0	631	0.00
Ketamine	6	1367	0.44	1	598	0.17
Ketoconazole	1	380	0.26	0	177	0.00
Lamotrigine	12	1367	0.88	7	598	1.17

TABLE 84 INCIDENCE AND FREQUENCY OF POSITIVE FINDINGS* (continued)

	Cuyahoga County Medical Examiner's Laboratory Cases					
	Positive Cases			Fatal Poisonings		
Substances	Number Positive	Total Cases Tested	% Total Cases Tested	Number Positive	Total Poisoning Fatalities Tested	% Total Poisoning Fatalities Tested
Levamisole	159	1367	11.63	134	598	22.41
Levetiracetam	12	1866	0.64	0	664	0.00
Lidocaine	63	1367	4.61	31	598	5.18
Lidocaine Mtb. (MEGX)	8	1367	0.59	4	598	0.67
Lorazepam	24	1746	1.37	8	665	1.20
Lurasidone	1	380	0.26	0	177	0.00
m-Chlorophenylpiperazine	35	1367	2.56	25	598	4.18
Memantine	2	1367	0.15	0	598	0.00
Meperidine	1	1367	0.07	1	598	0.17
Meprobamate	8	1866	0.43	6	664	0.90
Methadone	26	1367	1.90	11	598	1.84
Methadone Mtb. (EDDP)	22	1367	1.61	10	598	1.67
Methadone Mtb. (EMDP)	5	1367	0.37	2	598	0.33
Methamphetamine	39	1746	2.23	23	665	3.46
Methoxyacetyl fentanyl	24	1748	1.37	5	666	0.75
Methylphenidate	1	380	0.26	0	177	0.00
Metoclopramide	1	1367	0.07	0	598	0.00
Metoprolol	24	1367	1.76	10	598	1.67
Midazolam	19	1746	1.09	3	665	0.45
Mirtazapine	29	1367	2.12	16	598	2.68
Morphine	324	1749	18.52	272	667	40.78
Naloxone	31	1749	1.77	1	667	0.15
Naltrexone	1	1749	0.06	0	667	0.00
Naproxen	3	1866	0.16	2	664	0.30
Nicotine	560	1367	40.97	365	598	61.04
Norbuprenorphine	6	380	1.58	0	177	0.00
Norcitalopram	40	1367	2.93	30	598	5.02
Norcocaine	109	1367	7.97	96	598	16.05
Nordiazepam	61	1746	3.49	38	665	5.71
Nordoxepin	9	1367	0.66	7	598	1.17
Norfentanyl	289	1748	16.53	253	666	37.99

INCIDENCE AND FREQUENCY OF POSITIVE FINDINGS* (continued)

TABLE 84

	Cuyahoga County Medical Examiner's Laboratory Cases					
	Positive Cases			Fatal Poisonings		
Substances	Number Positive	Total Cases Tested	% Total Cases Tested	Number Positive	Total Poisoning Fatalities Tested	% Total Poisoning Fatalities Tested
Norfluoxetine	9	1367	0.66	3	598	0.50
Norketamine	1	1367	0.07	0	598	0.00
Norpseudoephedrine	1	380	0.26	0	177	0.00
Norsertraline	25	1367	1.83	13	598	2.17
Nortramadol	23	1367	1.68	18	598	3.01
Nortriptyline	22	1367	1.61	13	598	2.17
Norvenlafaxine	14	1367	1.02	11	598	1.84
O-Desmethyltramadol	23	1367	1.68	14	598	2.34
O-Desmethylvenlafaxine	15	1367	1.10	9	598	1.51
Olanzapine	12	1367	0.88	9	598	1.51
Oxazepam	24	1746	1.37	19	665	2.86
Oxycodone	101	1749	5.77	51	667	7.65
Oxymorphone	7	1749	0.40	2	667	0.30
Paroxetine	11	1367	0.80	5	598	0.84
Pentobarbital	2	1866	0.11	1	664	0.15
Phencyclidine	20	1367	1.46	9	598	1.51
Phenobarbital	15	1866	0.80	9	664	1.36
Phentermine	1	1746	0.06	0	665	0.00
Phenytoin	3	1866	0.16	1	664	0.15
Pregabalin	1	380	0.26	0	177	0.00
Primidone	1	1866	0.05	0	664	0.00
Promethazine	11	1367	0.80	6	598	1.00
Propofol	2	380	0.53	1	177	0.56
Propranolol	1	1367	0.07	0	598	0.00
Pseudoephedrine	1	1746	0.06	0	665	0.00
Quetiapine	16	1367	1.17	9	598	1.51
Quetiapine Metabolite	73	1367	5.34	54	598	9.03
Quinine/Quinidine	103	1367	7.53	95	598	15.89
Ranitidine breakdown	6	1367	0.44	3	598	0.50
Risperidone	1	380	0.26	0	177	0.00
Salicylate	0	1340	0.00	0	584	0.00
Sertraline	40	1367	2.93	20	598	3.34

TABLE 84 INCIDENCE AND FREQUENCY OF POSITIVE FINDINGS* (continued)

	Cuyahoga County Medical Examiner's Laboratory Cases					
	Positive Cases			Fatal Poisonings		
Substances	Number Positive	Total Cases Tested	% Total Cases Tested	Number Positive	Total Poisoning Fatalities Tested	% Total Poisoning Fatalities Tested
Sildenafil	1	380	0.26	0	177	0.00
ß-Phenylethylamine	71	1367	5.19	31	598	5.18
Temazepam	14	1746	0.80	8	665	1.20
Topiramate	1	1866	0.05	0	664	0.00
Topiramate Breakdown Product	1	1866	0.05	0	664	0.00
Tramadol	45	1367	3.29	29	598	4.85
Trazodone	61	1367	4.46	41	598	6.86
Tryptamine	24	1367	1.76	7	598	1.17
Tyramine	47	1367	3.44	23	598	3.85
U-47700	3	1367	0.22	1	598	0.17
U-48800	1	1367	0.07	1	598	0.17
Urine Glucose	52	1119	4.65	34	505	6.73
Urine Ketone Bodies	25	1119	2.23	9	505	1.78
Valproic Acid	2	380	0.53	0	177	0.00
Venlafaxine	23	1367	1.68	17	598	2.84
Verapamil	2	1367	0.15	1	598	0.17
Zolpidem	17	1367	1.24	14	598	2.34

*To compare data from year to year one must use the Toxicology Laboratory Report legends, since the analytical approach (i.e. the components of the groups) changes slightly from year to year.

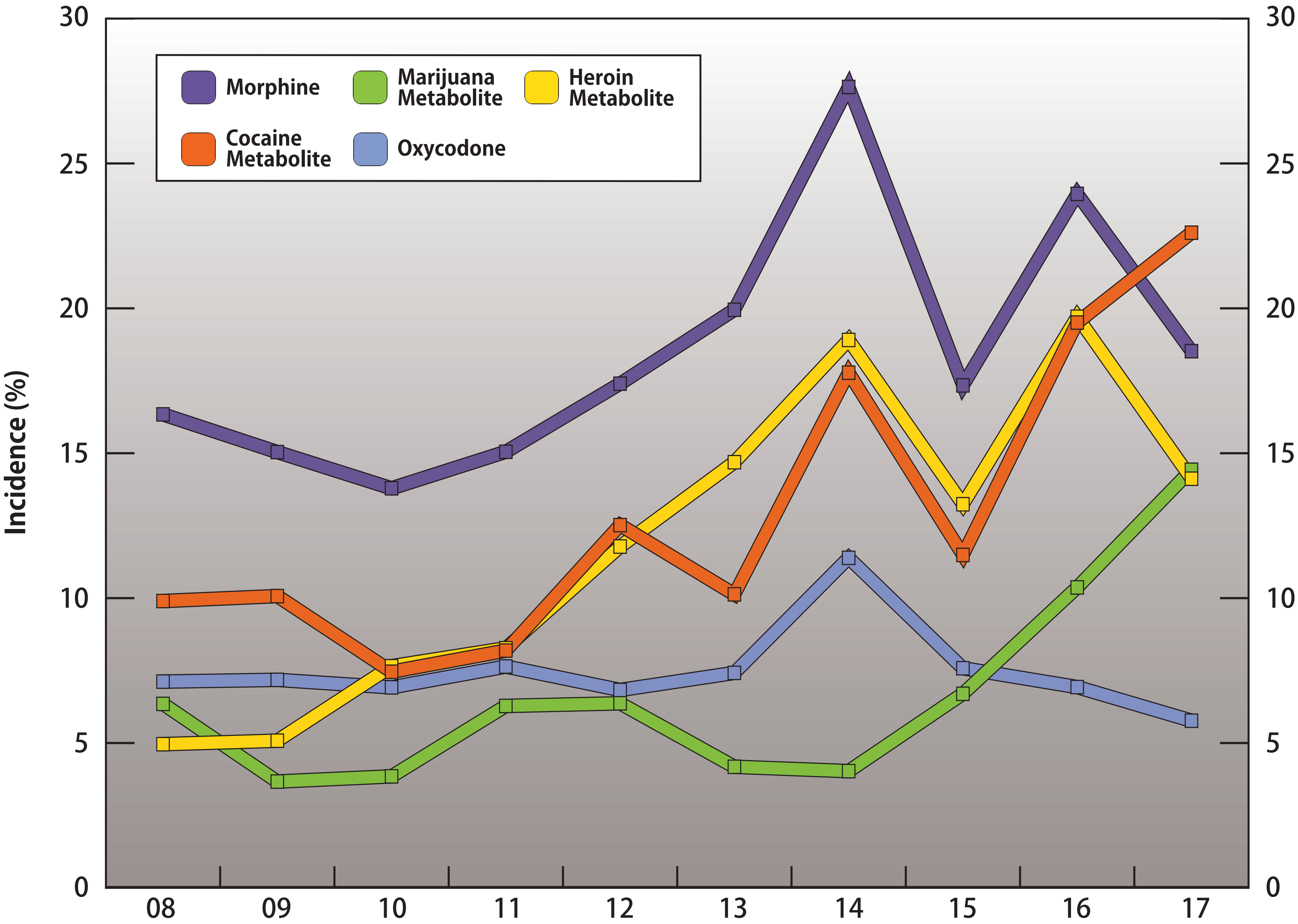
2015 - 2017 INCIDENCE OF ANALYTES IN POSITIVE CASES*

TABLE 85

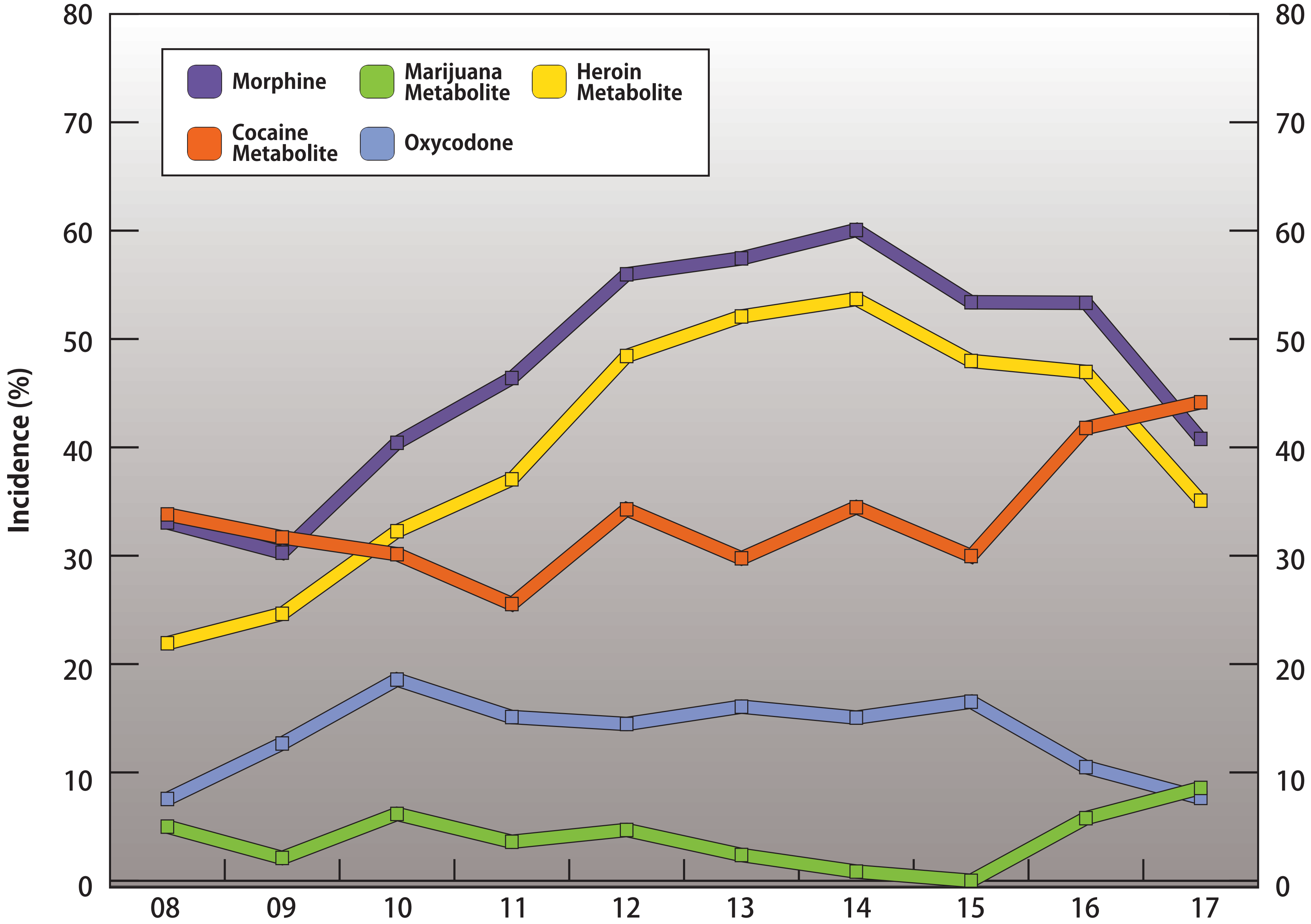
Medical Examiner's Laboratory Cases											
2015				2016				2017			
All Cases	(%)	Fatal Poisonings	(%)	All Cases	(%)	Fatal Poisonings	(%)	All Cases	(%)	Fatal Poisonings	(%)
Ethanol	29.41	Carbon Monoxide	58.33	Ethanol	28.61	Carbon Monoxide	64.71	Ethanol	32.11	Carbon Monoxide	62.07
Morphine	17.34	Morphine	53.39	Fentanyl	24.59	Fentanyl	58.36	Carbon Monoxide	29.33	Fentanyl	50.15
Codeine	13.72	6-Acetylmorphine	47.97	Carbon Monoxide	24.03	Morphine	53.34	Benzoylecgonine	22.61	Benzoylecgonine	44.16
6-Acetylmorphine	13.24	Codeine	47.70	Morphine	23.95	6-Acetylmorphine	46.96	Fentanyl	22.20	Morphine	40.78
Benzoylecgonine	11.49	Benzoylecgonine	29.97	Benzoylecgonine	19.51	Benzoylecgonine	41.79	Morphine	18.52	Norfentanyl	37.99
Carbon Monoxide	10.88	Ethanol	29.58	6-Acetylmorphine	19.17	Codeine	38.75	Cocaine	17.73	Cocaine	37.28
Diphenhydramine	10.81	Fentanyl	24.66	Codeine	16.13	Ethanol	32.61	Ecgonine Methyl Ester	17.12	6-Acetylmorphine	35.08
TOTAL delta-9-THC-COOH	10.60	Cocaine	22.62	Diphenhydramine	14.25	Cocaine	31.61	Norfentanyl	16.53	Ethanol	33.44
Fentanyl	7.89	Diphenhydramine	21.02	Cocaine	13.98	Diphenhydramine	23.1	Delta-9-THC-COOH	14.43	Ecgonine Methyl Ester	32.44
Gabapentin	7.83	Levamisole	17.72	delta-9-THC-COOH	10.37	Anhydroecgonine Methyl Ester	17.17	Delta-9-THC	14.32	Carfentanil	28.68
Cocaine	7.59	Oxycodone	16.53	Delta-9-THC	10.26	Cocaethylene	13.07	6-Acetylmorphine	14.12	Anhydroecgonine Methyl Ester	25.42
Oxycodone	7.58	Ecgonine Methyl Ester	15.32	Anhydroecgonine Methyl Ester	7.05	Phenytoin	11.11	Diphenhydramine	13.61	Codeine	24.74
Delta-9-THC	7.25	TOTAL delta-9-THC-COOH	14.71	Oxycodone	6.93	Alprazolam	11.09	Anhydroecgonine Methyl Ester	12.66	Diphenhydramine	22.58
delta-9-THC-COOH	6.70	Cocaethylene	10.90	Cocaethylene	5.82	Oxycodone	10.49	Levamisole	11.63	Levamisole	22.41
Levamisole	6.67	Diazepam	10.05	Alprazolam	5.59	Nordiazepam	8.81	Carfentanil	11.38	Norcocaine	16.05
Ecgonine Methyl Ester	5.86	Nordiazepam	10.05	Nordiazepam	5.19	Acetyl Fentanyl	8.51	Codeine	10.41	Quinine/Quinidine	15.89
Levetiracetam	4.84	Anhydroecgonine Methyl Ester	9.91	Phenytoin	5.07	Carfentanil	8.05	Norcocaine	7.97	Cocaethylene	15.87
Lidocaine	4.68	Ibuprofen	8.77	Lidocaine	4.95	Diazepam	6.53	Cocaethylene	7.71	Gabapentin breakdown	12.54
Ibuprofen	4.57	Alprazolam	8.70	11-OH-delta-9-THC	4.55	Tramadol	6.46	Quinine/Quinidine	7.53	Quetiapine Metabolite	9.03
Nordiazepam	4.37	Hydrocodone	6.78	Tramadol	4.43	delta-9-THC-COOH	5.78	Gabapentin breakdown	7.24	Alprazolam	9.02
Tramadol	4.23	Trazodone	6.61	Trazodone	4.20	Hydrocodone	5.78	11-OH-delta-9-THC	6.13	Delta-9-THC-COOH	8.57
Citalopram/Escitalopram	4.14	Tramadol	6.31	Citalopram/Escitalopram	4.13	Delta-9-THC	5.02	Oxycodone	5.77	Oxycodone	7.65
Diazepam	4.10	Citalopram/Escitalopram	6.01	Acetyl Fentanyl	4.08	Trazodone	4.85	Quetiapine Metabolite	5.34	Trazodone	6.86

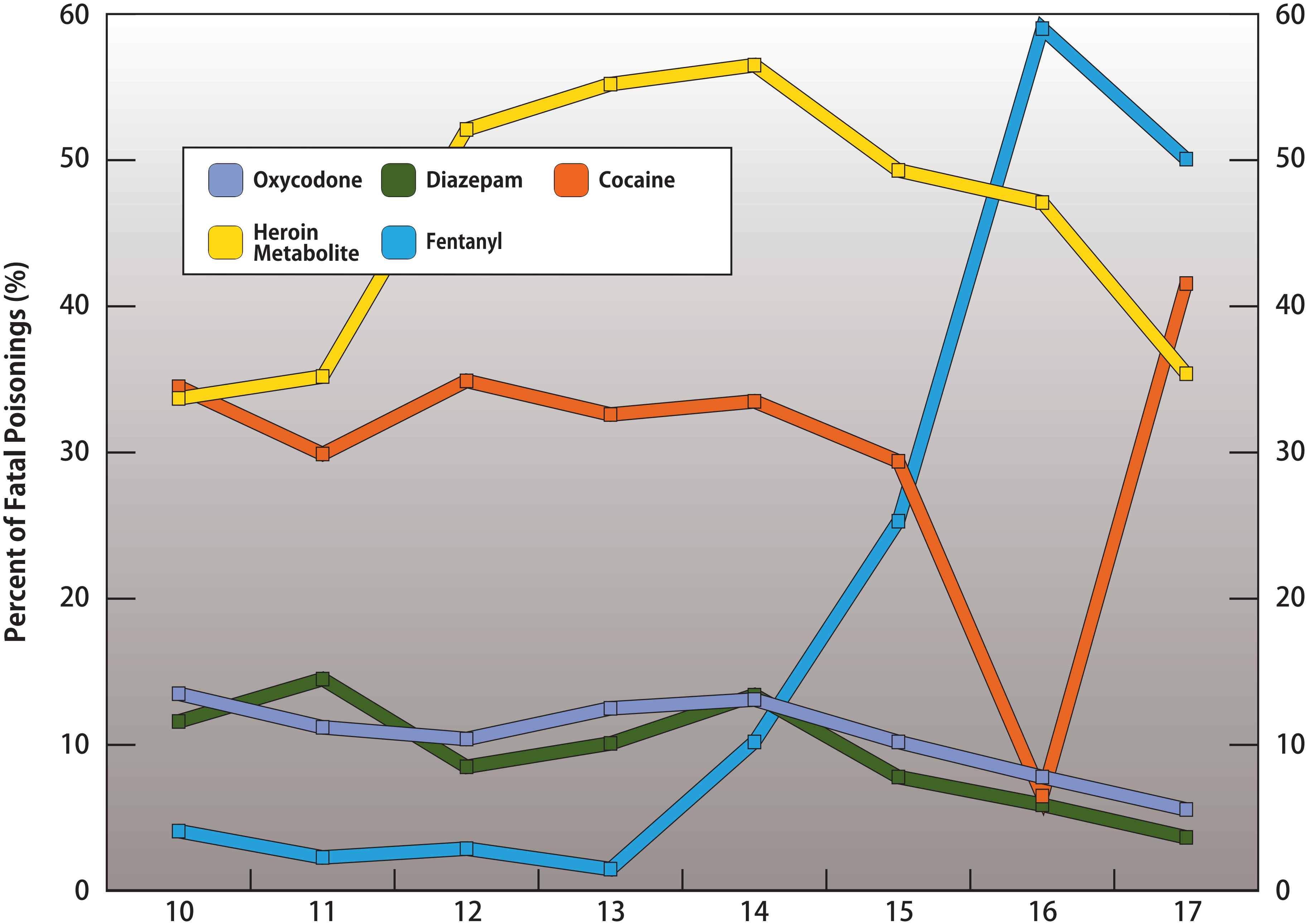
*A "Positive Case" is one wherein a chemical substance was detected from Table 84. Percentages are based on the total number of cases tested in each category.

INCIDENCE OF POSITIVE FINDINGS FROM ALL CUYAHOGA COUNTY MEDICAL EXAMINER'S CASES



INCIDENCE OF POSITIVE FINDINGS FROM POISONING FATALITIES




Oxycodone
Diazepam
Cocaine
Heroin Metabolite
Fentanyl
Percent of Fatal Poisonings (%)
0
10
20
30
40
50
60
10
11
12
13
14
15
16
17

TESTING FREQUENCY BY DRUG GROUPS

TABLE 86

Drug Group	Medical Examiner's Specimens Tested	Out of County Autopsy Cases	Police Cases	Other Cases	Special C.C.M.E.O. Cases	Totals
Volatile Screen & Confirmation	2958	613	581	7	0	4159
Acidic Neutral Drugs	109	40	265	4	0	418
Carbon Monoxide	83	45	0	0	0	128
CO Confirmation	33	28	0	0	0	61
Glycols Screen & Confirm	1	2	0	0	0	3
EMIT: Amine Class	17	6	235	0	1	259
EMIT: Benzodiazepines	16	7	235	0	1	259
EMIT: Cannabinoids	17	7	235	0	1	260
EMIT: Cocaine Metb.	16	7	235	0	1	259
EMIT: Fentanyl	10	3	17	0	0	30
EMIT: Opiates	16	7	235	0	1	259
EMIT: Phencyclidine	16	7	234	0	1	258
Opiate ELISA Screen	1735	361	376	6	4	2482
Basic Drugs by GC/MS	1169	245	269	4	0	1687
Acetaminophen Screen	1130	223	1	1	0	1355
Salicylate Screen	1128	222	0	1	0	1351
Xanthines	11	2	1	0	0	14
Clinical Chemistry	636	141	0	2	0	779
Glucose/Ketone bodies	772	147	1	0	0	920
Opiate Hydrolysis GC/MS	1	1	2	0	0	4
Cocaine/Mtb GC/MS	534	56	113	2	1	706
Cannabinoids GC/MS	100	9	124	0	0	233
Opiates by GC/MS	848	123	120	5	0	1096
Acidic Neutral Drugs by GC/MS	73	37	165	2	0	277
Basic Drugs by GC/MS	810	162	231	1	1	1205
Benzo. Confirmation GC/MS	393	96	188	0	0	677
Amines Confirmation by LC/MS/MS	191	62	26	0	0	279
Gamma-Hydroxybutyrate GHB GC/MS	0	0	40	0	0	40
Fentanyl by GC/MS	249	15	26	1	0	291
Cannabinoids by LC-MS/MS	401	66	179	0	0	646
Fentanyl and Analogs by LC-MS/MS	867	121	140	17	0	1145
Amphetamine ELISA Screen	1735	361	376	6	4	2482
Barbiturates ELISA Screen	1735	361	376	6	4	2482
Benzodiazepines ELISA Screen	1735	361	376	6	4	2482
Cannabinoids ELISA Screen	1735	361	376	6	4	2482
Carisoprodol ELISA Screen	1735	361	376	6	4	2482
Cocaine Mtb. ELISA Screen	1735	361	376	6	4	2482
Fentanyl ELISA Screen	1735	361	376	6	4	2482
Methamphetamine ELISA Screen	1735	361	376	6	4	2482
Oxycodone ELISA Screen	1735	361	376	6	4	2482
Phencyclidine ELISA Screen	1735	361	376	6	4	2482
Tricyclic Antidepressants ELISA Screen	1735	361	376	6	4	2482
Methadone ELISA Screen	1735	361	376	6	4	2482
Zolpidem ELISA Screen	1735	361	376	6	4	2482
Buprenorphine ELISA Screen	1735	361	376	6	4	2482
Sent to Reference Lab	437	142	76	5	0	660
Total Tests Performed	**39067**	**8057**	**9614**	**142**	**68**	**56948**

1) **VOLATILES:** Acetaldehyde, Acetone, Acetonitrile*, Butane, Chloroform*, Dichloromethane*, Ethanol, Ethyl Acetate*, Formaldehyde, Isopropanol, Methane, Methanol, Paraldehyde*, Propane, Toluene*. **ETHANOL, ACETONE, ISOPROPANOL,** and **METHANOL CONFIRMATION(s) by alternative GC column** and/or **alternative specimens. METHANOL** is differentiated from **FORMALDEHYDE by Colorimetry (Qualitative)**

2) **Sedatives, Hypnotics, Anti-Epileptic and Other Acidic/Neutral Drugs:**
Amobarbital, Butalbital, Caffeine, Carbamazepine, Carisoprodol, Glutethimide, Ibuprofen, Levetiracetam, Mephenytoin, Meprobamate, Metaxalone, Naproxen, Pentobarbital, Pentoxifylline, Phenobarbital, Phenytoin, Primidone, Secobarbital, Theophylline, Topiramate
ACIDIC NEUTRALs Screened and Confirmed by GC/MS and Quantified by GC-FID

3) **CARBON MONOXIDE***(Carboxyhemoglobin) **by CO-Oximetry:** Carbon Monoxide, Methemoglobin, Hemoglobin; **CARBON MONOXIDE CONFIRMATION by Spectrophotometry** and/or **Microdiffusion**

4) **GLYCOLS*:** Ethylene Glycol, Propylene Glycol **Screened and Confirmed by GC/MS**

5) **CYANIDE*: Screened and Quantified by Colorimetry**

6) **EMIT®SCREEN: SYMPATHOMIMETIC AMINES (SMAs)** (target = d-Amphetamine); **BENZODIAZEPINES** (Target= Oxazepam)**; COCAINE** (Target= Benzoylecgonine (a cocaine metabolite);
CANNABINOIDS (Target= 11-nor-Δ-9-THC-COOH (a marijuana metabolite); **OPIATES** (Target= Morphine); **PHENCYCLIDINE** (Target= Phencyclidine)

7) **ELISA** (Enzyme-Linked ImmunoSorbent Assay) **SCREEN: SMAs (**Target = d-Amphetamine); **Barbiturates** (Target = Pentobarbital); **Benzodiazepines** (Target = Alprazolam); **Cannabinoids** (Target = 11-nor-Δ-9-THC-COOH (a marijuana metabolite); **Carisoprodol** (Target = Carisoprodol); **Cocaine Metabolite** (Target = Benzoylecgonine); **Fentanyl** (Target = Fentanyl); **Methamphetamine** (Target = d-Methamphetamine); **Oxycodone** (Target = Oxycodone); **Phencyclidine** (Target = Phencyclidine); **Tricyclic Antidepressants** (Target = Nortriptyline); **Methadone** (Target = Methadone); **Opiates** (Target = Morphine); **Zolpidem** (Target = Zolpidem); **Buprenorphine** (Target = Buprenorphine)

8) **BASIC DRUGS by GC/MS (Quantitation and Confirmation):** Amantadine, Amitriptyline, Amoxapine, Amphetamine, Atropine, Benztropine, Brompheniramine, Bupivacaine, Bupropion, Bupropion Metabolites, Buspirone, Caffeine, Carbinoxamine, Chlorophenylpiperazine, Chlorpheniramine, Chlorpromazine, Citalopram, Clomipramine, Clozapine, Cocaethylene, Cocaine, Codeine, Cocaine and metabolites, Cotinine, Cyclizine, Cyclobenzaprine, Desalkylflurazepam, Desipramine, Desmethyl Chlordiazepoxide, Desmethyl Clomipramine, Desmethyl Clozapine, Desmethylsertraline, Desmethylvenlafaxine, Dextromethorphan, Diazepam, Diethylpropion, Diphenhydramine, Disopyramide, Diltiazem, Doxepin, Doxylamine, Ecgonine methyl ester, Ephedrine/Pseudoephedrine, Fenfluramine, Fentanyl, Fluoxetine, Fluvoxamine, Guaifenesin, Haloperidol, Hydrocodone, Hydroxyzine, Imipramine, Ketamine, Laudanosine, Lidocaine, Lidocaine mb (MEGX), Loxapine, Maprotiline, Meclizine, Meperidine, Mephentermine, Mesoridazine, Methadone, Methadone primary mb (EDDP), Methadone secondary mb (EMDP), Methamphetamine, Methylene-dioxyamphetamine (MDA), Methylenedioxymethamphetamine (MDMA), Methylenedioxypyrovalerone (MDPV), Methylphenidate, Metoprolol, Mexiletine, Midazolam, Mirtazapine, Nefazodone, Nicotine, Nordiazepam, Nordoxepin, Norfluoxetine, Normeperidine, Norpropoxyphene, Nortriptyline, Norverapamil, Olanzapine, Orphenadrine, Oxycodone, Papaverine, Paroxetine, Pentazocine, Pentoxifylline, Perphenazine, Phencyclidine, beta-Phenethylamine, Pheniramine, Phendimetrazine, Phenmetrazine, Phentermine, Phenylpropanolamine, Phenytoloxamine, Procaine, Promethazine, Propoxyphene, Propranolol, Protriptyline, Pseudoehedrine, Pyrilamine, Quetiapine, Quinidine, Quinine, Sertraline, Thioridazine, Tramadol, Tranylcypromine, Trazodone, Trihexylphenidyl, Trimipramine, Venlafaxine, Verapamil, Zolpidem

9) **ACETAMINOPHEN SCREEN:** Acetaminophen **by Colorimetry (Qualitative).**
10) **SALICYLATE SCREEN:** Salicylate (Aspirin) **by Colorimetry (Qualitative), SALICYLATE CONFIRMATION by Gas Chromatography.**
11) **XANTHINES by GC/MS:** Acetaminophen, Caffeine.
12) **CLINICAL CHEMISTRIES (CHEM7):** Ketones, pH, Specific Gravity, and Electrolytes (Sodium, Potassium, Chloride, TCO2, Glucose, Urea, Creatinine)

13) **COCAINE CONFIRMATION by GC/MS:** Anhydroecgonine methyl ester, Benzoylecgonine, Cocaine, Cocaethylene, Ecgonine ethyl ester*, Ecgonine methyl ester

14) **CANNABINOIDS by GC/MS:** TOTAL11-nor- D9-THC-COOH (a marijuana metabolite); **CANNABINOIDS by LC/MS/MS:** Cannabinoids (ng/mL; mcg/L): D9-THC, 11-OH-D9-THC (a marijuana metabolite), 11-nor- D9-THC-COOH (a marijuana metabolite)

15) **OPIATES by GC/MS** (ng/mL): Morphine, 6-Acetylmorphine (heroin metabolite), Codeine, Hydrocodone, Dihydrocodeine, Hydromorphone, Norcodeine*, Oxycodone;
Oxymorphone. **TOTAL OPIATES by GC/MS-Hydrolysis followed by OPIATES by GC/MS**

16) **BENZODIAZEPINE CONFIRMATION by GC/MS:** Alprazolam/ metabolite, Diazepam/ metabolites, Clonazepam, Lorazepam, Midazolam/metabolite

17) **SYMPATHOMIMETIC AMINES CONFIRMATION by GC/MS** analysis (ng/mL): Amantadine, Amphetamine, beta-Phenethylamine, MDEA, Methamphetamine, Methylenedioxyamphetamine (MDA), Methylenedioxymethamphetamine (MDMA), Phentermine, Phenylpropanolamine, Pseudoephedrine

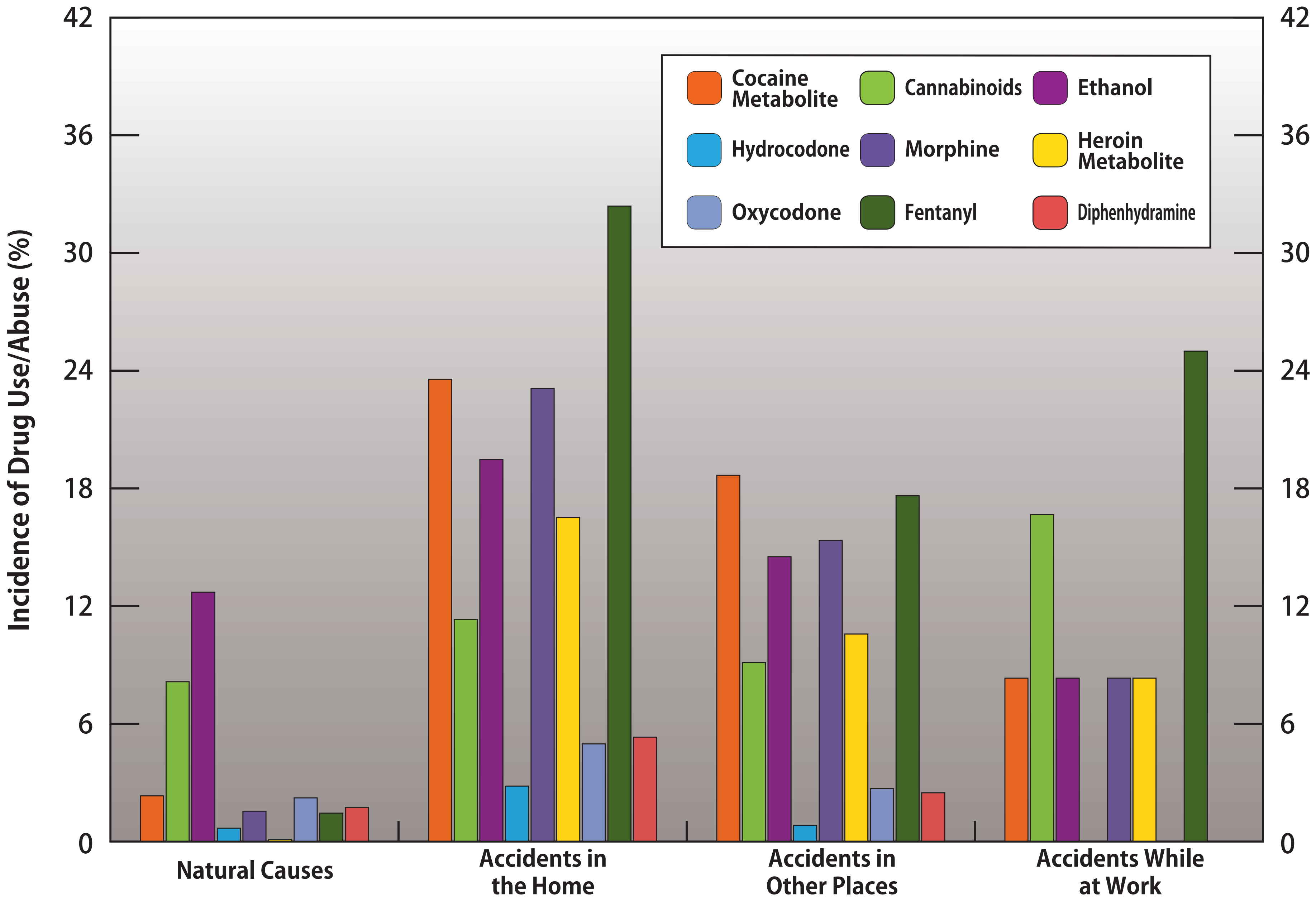
18) **GHB by GC/MS** (mg/L): Gamma-hydroxybutyric acid (gamma hydroxybutyrate)

19) **FENTANYL by GC/MS** (ng/mL): Fentanyl, Sufentanil, Alfentanil

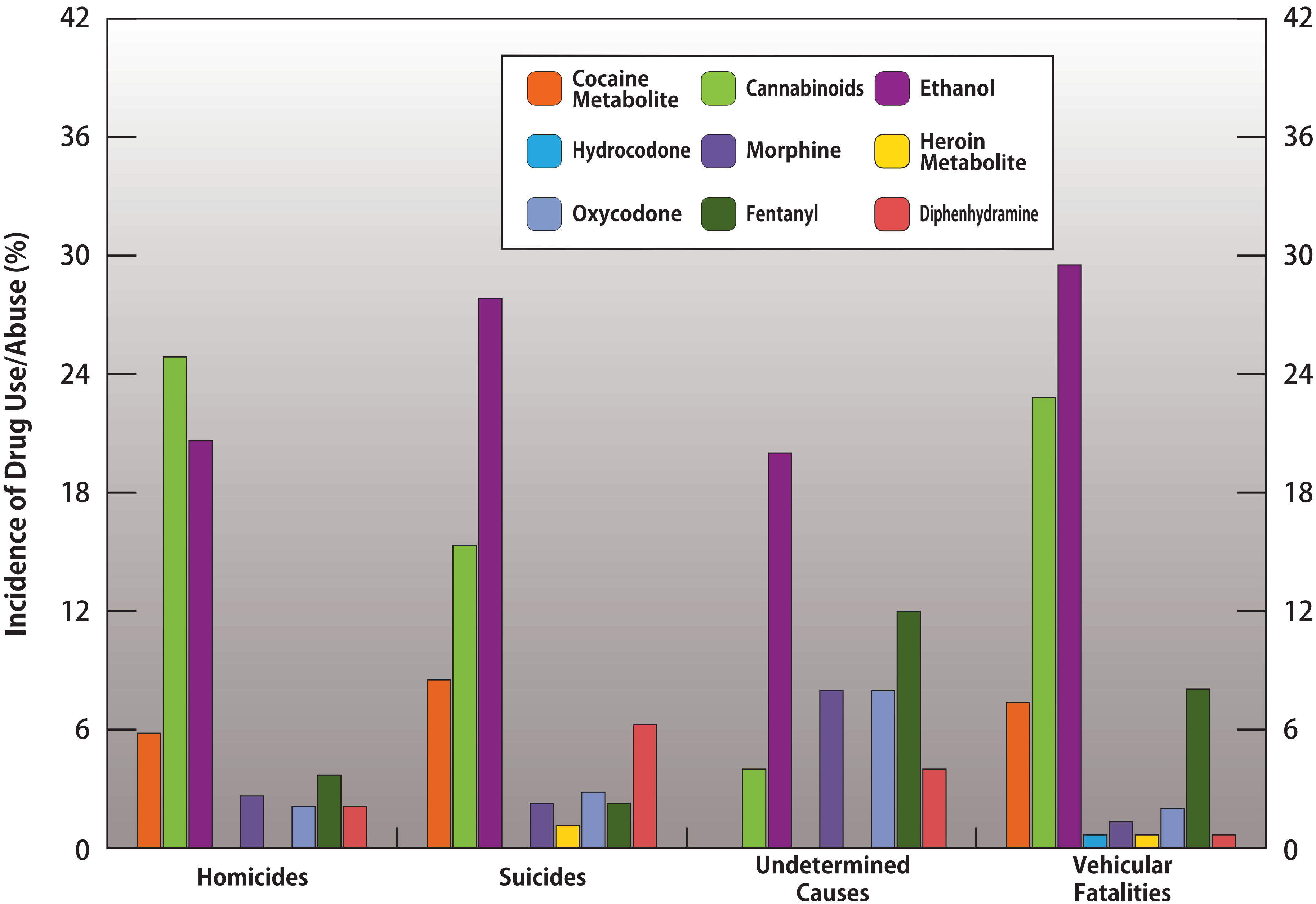
20) **SENT OUT TO REFERENCE LABS:** Synthetic Cannabinoids and Synthetic Cathinones, Epinephrine, 7-amino Flunitrazepam, Flunitrazepam, IgE, Insulin, LSD, Nefedipine, C-Peptide, Psilocin, Risperidone, Tryptase, Warfarin, Valproic Acid, **HEAVY METAL SCREEN:** (Antimony, Arsenic, Lead, Barium, Cadmium, Bismuth, Mercury, Selenium) or any other drugs not listed above

***BY REQUEST ONLY; ABBREVIATIONS:** POS=Positive; NEG=Negative; UNS=Specimen unsuitable for testing; NTDN=Not Done; QNS=Quantity insufficient for analysis; CHEM7=Clinical Chemistry; < =less than; > =greater than; LRL= Lower reporting limit; C.L. = Confidence Level. **UNITS FOR VOLATILES:** 100 mg/dL≡ 0.100 g/dL ≡ 0.100 g/%. **UNITS:** 1 mg/L = 1000 μg/L = 1000 ng/mL

2017 DRUG USE/ABUSE BY MANNER OF DEATH



2017 DRUG USE/ABUSE BY MANNER OF DEATH



"No Manner" cases are not included on this graph.

PROFICIENCY STUDIES

Agency	Survey Type	Number of Surveys	Number of Samples	
			Blood	Urine
College of American Pathologists	Toxicology	3	9	6
College of American Pathologists	Blood Volatiles	3	15	0
College of American Pathologists	Forensic Toxicology	2	6	2
Total		8	30	8

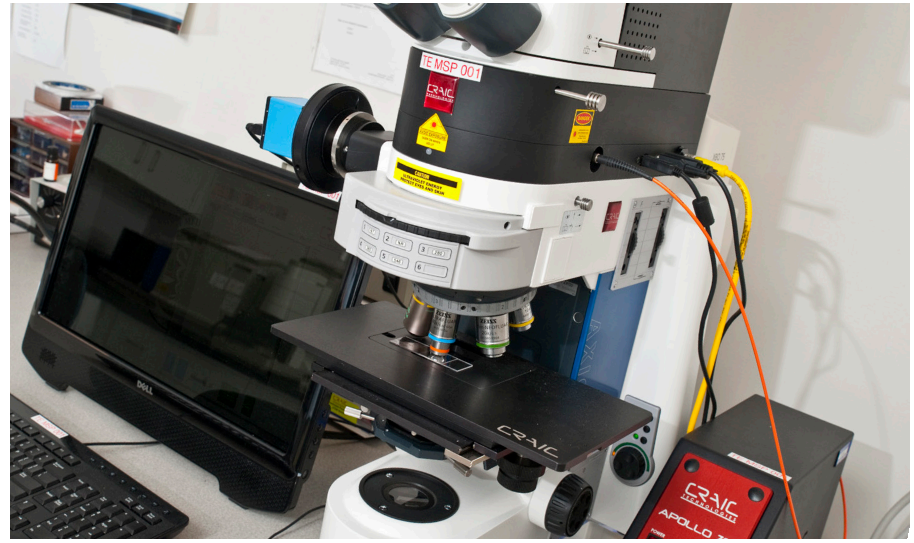
In 2017 the Cuyahoga County Medical Examiner's Office Toxicology Laboratory participated in 8 proficiency surveys.

The Trace Evidence Unit was formed from within the Cuyahoga County Coroner's Office in the early 1950's as a response to the burgeoning field of Forensic Science. It was realized early that reliable and accurate scientific analysis of evidentiary materials would not only compliment the determination of cause and manner of death but would serve the judicial needs of the Court System and by extension, the citizens of Cuyahoga County.

Initially tasked with the chemical and immunological detection of biological fluids, the Trace Evidence Unit soon branched into the microscopic examination of trace evidence materials such as hairs, fibers, paint, and soil.

The 1970's through the 1990's brought about an explosion of compact and affordable scientific instrumentation. The Trace Evidence Unit, realizing the usefulness of augmenting chemical, immunological, and microscopic forensic examination with scientific instrumentation embarked on a process of acquiring instrumentation that would allow for the identification, individualization, and/or discrimination of trace evidence materials.

The Trace Evidence Unit currently employs three Forensic Scientists. The responsibilities of the Trace Evidence Unit include the examination and sample collection from the hands and bodies of victims of violent death as well as the examination of clothing items received with the victims. A clothing examination may include the determination of bullet / sharp instrument damage, the determination of range of fire, and the collection of trace evidence materials such as fibers, paint, or other debris. The Trace Evidence Unit is also responsible for the examination and comparison of materials such as hairs, fibers, paint, imprints/impressions, pressure sensitive tape, gunshot residue, polymers, and unknown materials.

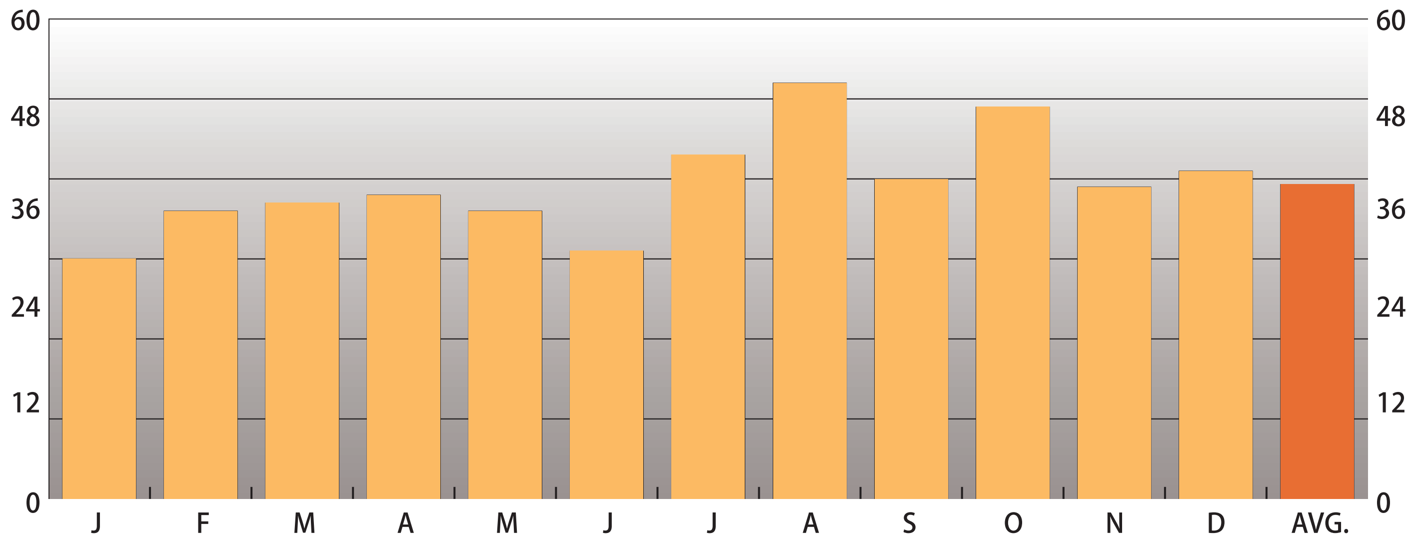


The Trace Evidence Unit is equipped with research grade stereo, compound, comparison, and polarized light microscopic equipment as well as cutting edge scientific instrumentation such as a Fourier Transform Infrared Spectrometer, a Raman Spectrometer, a UV/VIS/NIR Microspectrophotometer, a Scanning Electron Microscope, and an Energy Dispersive X-ray Spectrometer.

Outside of the laboratory, the Trace Evidence Unit may assist Law Enforcement Agencies with the collection and processing of complex crime scenes. The Trace Evidence Unit also engages in training for Law Enforcement Agencies. Training on crime scene documentation and processing as well as the value of Trace Evidence are some of the topics provided.

The Trace Evidence Unit, as part of the Cuyahoga County Regional Forensic Science Laboratory, has been accredited by ANSI-ASQ National Accreditation Board, (ANAB), formerly the American Society of Crime Lab Directors, Laboratory Accreditation Board, (ASCLD-LAB) since 2006.

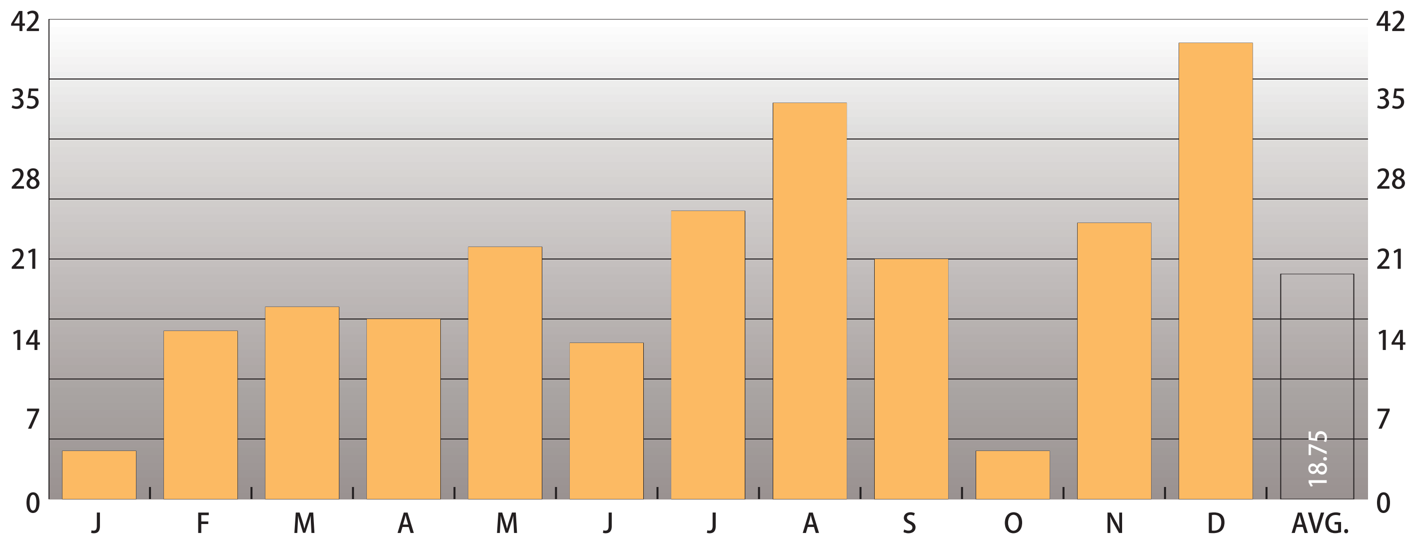
CASES SUBMITTED BY MONTH FOR THE YEAR 2017



2017
TOTAL CASES
472

2017 TRACE EVIDENCE UNIT REPORT

CASES COMPLETED BY MONTH FOR THE YEAR 2017



Lifebanc is the federally mandated Organ Procurement Organization (OPO) assigned to the 20 counties of Northeast Ohio including Cuyahoga County. The mission of Lifebanc is to save lives through organ and tissue donation and transplantation. Though an overall complex process with many different organizations involved, Lifebanc serves as the starting point of the process to identify donors, determine which organs or tissues may be suitable for donation, put together the recovery teams, and finally find the appropriate recipients for those organs. Since over 80% of suitable donors fall under the jurisdiction of a Medical Examiner or Coroner, it has been imperative that Lifebanc work diligently with their respective Medical Examiner/Coroner offices.

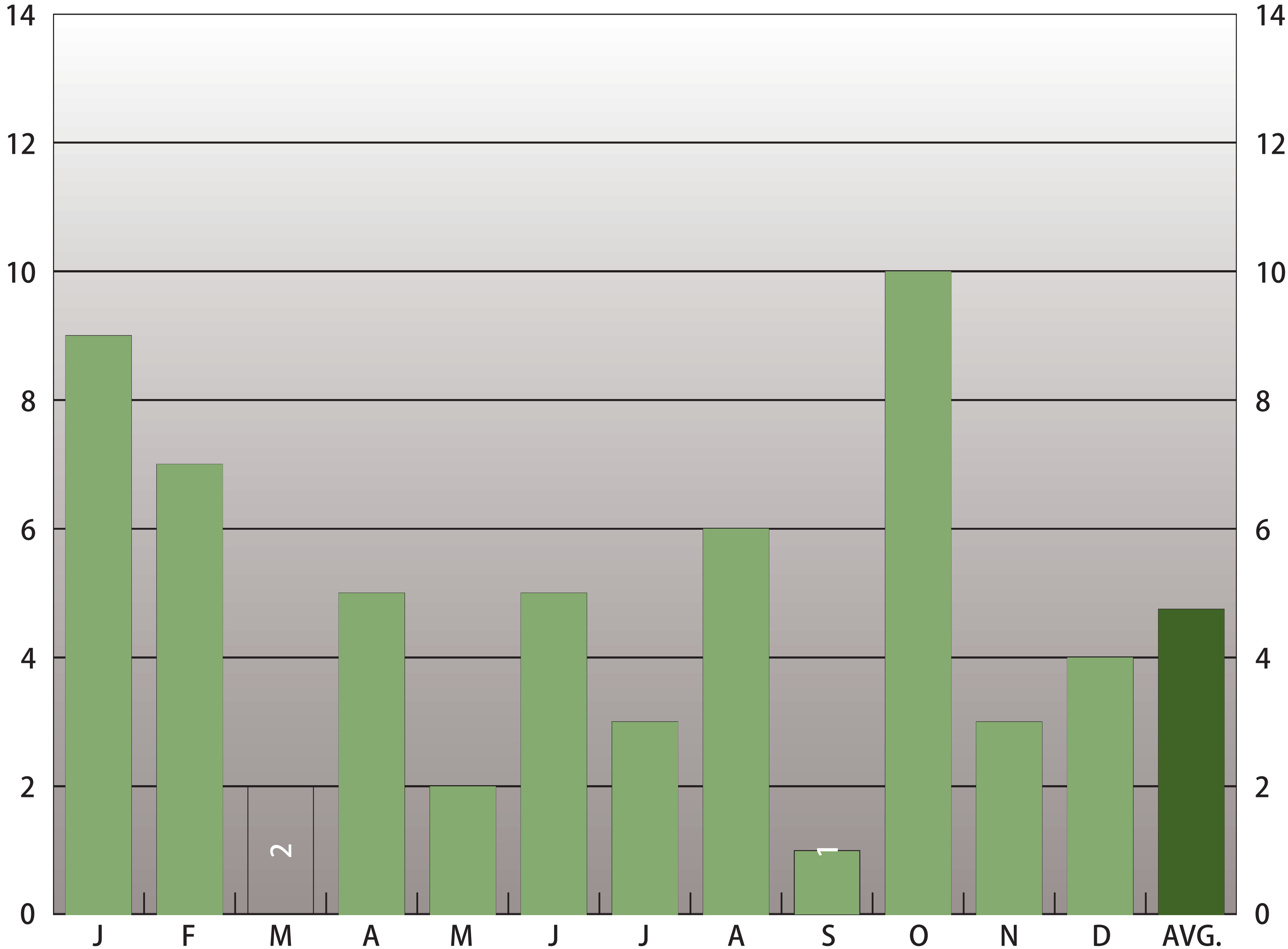
Lifebanc and the Cuyahoga County Medical Examiner's Office (CCMEO) have worked collaboratively for many years to create a "one of a kind" program not seen anywhere in the entire United States. Lifebanc has a full-time staff member housed at CCMEO to serve as a conduit of communication and information which helps to facilitate a seamless process from the time a death is declared through recovery of organs or tissues; all the while ensuring that the Medical Examiner has complete and thorough information so that they can, without compromise, release organs or tissues and still determine cause and manner of death. Lifebanc has a dedicated tissue recovery suite at CCMEO which is maintained at the same high level that a hospital operating room is. Lifebanc has contracted with CCMEO for other clinical areas and appreciates the cooperation and effort put forth by the Medical Examiner and the staff at CCMEO. Through another "first of its kind" referral program here in Cleveland, CCMEO is amongst the top 10 providers of tissue for transplantation, something that no other Coroner or Medical Examiner's office has ever accomplished.

With over 100,000 names on the national organ waiting list, Lifebanc is pleased to work hand in hand with the County Medical Examiner's Office to save many precious lives. For additional information on organ and tissue donation, log on to the Lifebanc website at www.Lifebanc.org.

Lifebanc

DONATE LIFE

LIFEBANC CASES BY MONTH FOR THE YEAR 2017




Photograph by A. Koons

Photograph by G. Wilson

Thomas P. Gilson, M.D., Medical Examiner

February:	"Opioid Prevalence in Death Investigations". American Academy of Forensic Sciences, New Orleans, Louisiana.
March:	"The Opioid Crisis and the Labor Force", Great Lakes Construction Meeting, Middleburg Heights, Ohio.
	Medicolegal Death Investigation Course (Cause and Manner of Death, Identification, Time of Death, Natural Deaths, Injuries by Firearms), Cleveland, Ohio.
	"The Medical Examiner's Office, Medical Academy Lecture". Ahuja Medical Center, Beachwood, Ohio.
	"Scientific Evidence". Case Western Reserve University School of Law, Cleveland, Ohio.
	"Scientific Evidence". Cleveland State University School of Law, Cleveland, Ohio.
	"The Opioid Crisis". St. John's Medical Center, Rocky River, Ohio.
	"Update on the Opioid Epidemic in Ohio". Ohio Association of Physician Assistants, Cuyahoga Falls, Ohio.
May:	"The Cuyahoga County Medical Examiner's Office". Meet the Leaders County Orientation Program, Cleveland, Ohio.
	"Investigating Electrocutions". Ohio State Coroners' Annual Meeting, Dublin, Ohio.
	"Heroin and Opiate Update". Cuyahoga County Council Justice and Public Safety Committee Meeting, Cleveland, Ohio.
	"The Opioid Crisis". Church of the Saviour, Cleveland Heights, Ohio.
	"Stopping the Shipment of Synthetic Opioids: Oversight of U.S. Strategy to Combat Illicit Drugs". United States Senate Permanent Subcommittee on Investigations of the Committee on Homeland Security and Governmental Affair, Washington D.C.
June:	Advanced Medicolegal Forensic Series Course (Deaths During Legal Intervention), Cleveland, Ohio.
	"Understanding the Opioid Crisis". Crain's Cleveland Business Health Care Forum, Rootstown, Ohio.
July:	"Heroin and Synthetics: The New Drug War". National Black Prosecutors' Association Annual Meeting, Cleveland, Ohio.
	"Ohio and the Opioid Drug Epidemic; Selected Topics on Homicide". 44th Annual New England Seminar in Forensic Sciences, Waterville, Ohio.
August:	"Update - Fentanyl Overdose Victim Data Summary February 2017". Cuyahoga County Board of Health Opiate Task Force, Parma, Ohio.
September:	"Integration of Prescription Drug Monitoring Program and Medical Examiner Data". Harold Rogers Prescription Drug Monitoring Program Conference, Washington D.C..
	"Heroin, Fentanyl and Opioids". Landmark Center, Beachwood, Ohio.

Thomas P. Gilson, M.D., Medical Examiner (continued)

	Medicolegal Death Investigation Course (Cause and Manner of Death, Identification, Time of Death, Natural Deaths, Injuries by Firearms), Cleveland, Ohio.
	"Fentanyl Officer Safety and Awareness Program". Drug Enforcement Agency El Paso Intelligence Center, El Paso, Texas.
October:	"The Opioid Epidemic". Science Cafe Seminar Series, Cleveland, Ohio.
	"Update on the Opioid Epidemic". St. John's Medical Center, Rocky River, Ohio.
	"The Impact of the Opioid Epidemic". Shaker Heights Unitarian Church, Shaker Heights, Ohio.
	"The Evolution of the Opioid Epidemic". Community Rally, Brecksville, Ohio.
	"The Role of the Crime Laboratory in Forensic Investigations". Cuyahoga County Judges Retreat, Geneva, Ohio.
November:	"Risks of the Opioid/Fentanyl Epidemic". Cuyahoga County Funeral Directors Association, Cleveland, Ohio.
	"The Cuyahoga County Opioid Epidemic". Northeast Ohio City Council Association, Independence, Ohio.
	Medicolegal Death Investigation Course (Cause and Manner of Death, Identification, Time of Death, Natural Deaths, Injuries by Firearms), Cleveland, Ohio.
	"The Evolution of the Opioid Epidemic in Ohio". Hospice of the Western Reserve, Cleveland, Ohio.
	"Understanding the Opioid Crisis". Cleveland Clinic Department of Pathology Grand Rounds, Cleveland, Ohio.
December:	"The Cuyahoga County Medical Examiner's Office". Meet the Leaders County Orientation Program, Cleveland, Ohio.
	"The Cuyahoga County Opioid Epidemic". United States Federal Courthouse, Cleveland, Ohio.

Erica J. Armstrong, M.D., Deputy Medical Examiner

January:	Demonstration Autopsy, Cuyahoga County Medical Examiner's Office.
February:	Demonstration Autopsy, Cuyahoga County Medical Examiner's Office.
	"Postmortem Forensic Toxicology". University Hospitals Case Medical Center, Cleveland, Ohio.
	"Too Much, Too Little, Too Late: Postmortem Discovery of a Postpartum Endocrinomaly". American Academy of Forensic Sciences Annual Meeting, New Orleans, Louisiana.

Erica J. Armstrong, M.D., Deputy Medical Examiner (continued)

March:	"Postmortem Forensic Toxicology". University Hospitals Case Medical Center, Cleveland, Ohio.
	Medicolegal Death Investigation Course, Cleveland, Ohio.
	Demonstration Autopsy, Cuyahoga County Medical Examiner's Office.
	"Herbal Remedies". Cuyahoga County Medical Examiner's Office Lecture Series, Cleveland, Ohio.
April:	Demonstration Autopsy, Cuyahoga County Medical Examiner's Office.
May:	"Forensic Toxicology". Pathology Resident Lecture Series Lecture Series, University Hospitals Cleveland Medical Center Institute of Pathology , Cleveland, Ohio.
June:	Medicolegal Death Investigation Course, Cleveland, Ohio.
	"Demystifying The Medical Literature". Cuyahoga County Medical Examiner's Office Lecture Series, Cleveland, Ohio.
	Demonstration Autopsy, Cuyahoga County Medical Examiner's Office.
July:	Demonstration Autopsy, Cuyahoga County Medical Examiner's Office.
August:	Demonstration Autopsy, Cuyahoga County Medical Examiner's Office.
September:	Demonstration Autopsy, Cuyahoga County Medical Examiner's Office.
October:	Demonstration Autopsy, Cuyahoga County Medical Examiner's Office.
November:	Demonstration Autopsy, Cuyahoga County Medical Examiner's Office.
December:	"CDC National Violent Death Reporting System-Background and Methodology", Cuyahoga County Medical Examiner's Office.

Joseph A. Felo, D.O., Deputy Medical Examiner

January:	"Male Genitourinary Disease". Ohio College of Podiatric Medicine, Independence, Ohio.
	"Gastrointestinal Disease, Part I". Ohio College of Podiatric Medicine, Independence, Ohio.
	"Gastrointestinal Disease, Part II". Ohio College of Podiatric Medicine, Independence, Ohio.
February:	"Introduction to Forensic Pathology". Case Western Reserve Law School, Cleveland, Ohio.
	Demonstration Autopsy, Cuyahoga County Medical Examiner's Office.

April: "Forensic Case Studies". Euclid Hospital Medical Examiner's Lecture Series, Cleveland, Ohio.

Demonstration Autopsy, Cuyahoga County Medical Examiner's Office.

"Pediatric Natural Deaths". University Hospitals Pathology Department, Cleveland, Ohio.

May: Demonstration Autopsy, Cuyahoga County Medical Examiner's Office.

June: Demonstration Autopsy, Cuyahoga County Medical Examiner's Office.

July: Demonstration Autopsy, Cuyahoga County Medical Examiner's Office.

August: Demonstration Autopsy, Cuyahoga County Medical Examiner's Office.

September: "Forensic Case Studies". Euclid Hospital Medical Examiner's Lecture Series, Cleveland, Ohio.

Demonstration Autopsy, Cuyahoga County Medical Examiner's Office.

November: "Deaths Due to Asphyxia". Southwest General Hospital EMS, Cleveland, Ohio.

December: Demonstration Autopsy, Cuyahoga County Medical Examiner's Office.

Elizabeth Mooney, D.O., Deputy Medical Examiner

March: Demonstration Autopsy, Cuyahoga County Medical Examiner's Office.

April: Demonstration Autopsies (2), Cuyahoga County Medical Examiner's Office.

May Demonstration Autopsies (3), Cuyahoga County Medical Examiner's Office.

June: "Postmortem Scavenging and Colonization of Human Remains". Cuyahoga County Medical Examiner's Office.

August: Demonstration Autopsy, Cuyahoga County Medical Examiner's Office.

September: Demonstration Autopsy, Cuyahoga County Medical Examiner's Office.

Shaena Taylor, Forensic Scientist 3, Quality Assurance Officer

January: "How We Put CHEMISTRY in Forensic Drug Chemistry". Professionals Day, Youngstown State University, Chemistry Department, Youngstown, Ohio.

September: "Heroin, Fentanyl, and Fentanyl Analogs in Cuyahoga County (Cleveland), Ohio: 2016 - A Year in Review". 2017 CLIC Training Seminar, Phoenix, Arizona.

Szabolcs Sofalvi, Toxicology Quality Assurance Officer

March: "Statistical Tools for Method Validation". Toxicology Method Development and Validation Workshop, Santa Ana, California.

July: "Statistical Tools for Method Validation". Toxicology Method Development and Validation Workshop, Rancho Cordova, California.

Joseph Stopak, Manager of Investigation and Morgue Operations

March: Medicolegal Death Investigation Course, Cleveland, Ohio.

"Overview of the Medical Examiner's Office". Lifebanc Staff Meeting, Cleveland, Ohio.

"Introduction to Medicolegal Death Investigation". Cleveland State University Cleveland-Marshall College of Law, Cleveland, Ohio.

May: "Heroin Death Scene Case Study". Ohio State Coroners Association, Columbus, Ohio.

June: Advanced Medicolegal Forensic Series Course, Cleveland, Ohio.

September: Medicolegal Death Investigation Course, Cleveland, Ohio.

October: "Overview of Death Investigation and How to Report a Death". Cleveland Clinic Family Liason Staff Meeting, Cleveland, Ohio.

November: Medicolegal Death Investigation Course, Cleveland, Ohio.
"Imperial Avenue, Recovery of Human Remains". Kent State University, Kent, Ohio.

Jason Bielinski, Forensic Photographer

June: Advanced Medicolegal Forensic Series (Forensic Photography at the Death Scene), Cleveland, Ohio.

Dawn Schilens, Fingerprints Lab Supervisor

March: Medicolegal Death Investigation Course, Cleveland, Ohio.

September: Medicolegal Death Investigation Course, Cleveland, Ohio.

November: Medicolegal Death Investigation Course, Cleveland, Ohio.

Felicia Ruffin, Forensic Scientist II, Fingerprints

March: Medicolegal Death Investigation Course, Cleveland, Ohio.

Felicia Ruffin, Forensic Scientist II, Fingerprints (continued)

September: Medicolegal Death Investigation Course, Cleveland, Ohio.

November: Medicolegal Death Investigation Course, Cleveland, Ohio.

Scott Flynn, Forensic Scientist II, Fingerprints

March: Medicolegal Death Investigation Course, Cleveland, Ohio.

September: Medicolegal Death Investigation Course, Cleveland, Ohio.
"Fingerprinting The Dead". Ohio Identification Officers Association Annual Conference, Columbus, Ohio.

November: Medicolegal Death Investigation Course, Cleveland, Ohio.

Armstrong EJ. (2016): "Hiding in Plain Sight-Clinically Unrecognized Fatal Tooth Asphyxia Revealed by the Forensic Autopsy." American Journal of Forensic Medicine and Pathology. 37(1); 14-20.

Regoeczi W., Gronath S., Issa R., **Gilson T.**, Sturup J. (2016): "Comparing Homicide-Suicides in the United States and Sweden." Journal of Forensic Sciences. 61(6); 1524-1530.

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Kucmanic M., **Gilson T.** (2016): "Suicide in Jail: A Ten Year Retrospective Study." Academic Forensic Pathology. 2016; 26(1);109-113.

Stopak, J., Morgan, D. (2017): "Medicolegal Death Investigation: A Step-By-Step Field Guide". Bookbaby.

Taylor, S., Wade III, R. E., Haun, J. (2017): "Heroin, Fentanyl, and Fentanyl Analogs in Cuyahoga County (Cleveland), Ohio: 2016 - A Year in Review." Journal Clandestine Laboratory Investigating Chemists Association. 27(4); 9-15.

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Lavins, E.S.[1], Clyde, C.L.1, Rohde, D.E.3, Shanks, K.G.4, Soni, C.H.5, Brooker, I.T.1, Reed, E.C.6, Kucmanic, J.J.1, Worrell, E.M.1, Lemmerbrock, L.E.2, Fowler, M.E.2, Felo, J.A.1, McCollom, A.1, Engelhart, D.A.5, Schueler, H.E.1, Gilson, T.P.1, 1Toxiclogy Department, 2Drug Chemistry Department, Cuyahoga County Regional Forensic Science Laboratory, Office of the Cuyahoga County Medical Examiner, Cleveland, OH, USA, 3Lake County Crime Laboratory, Painesville, OH, USA, 4AIT Laboratories, Indianapolis, IN, USA, 5Omega Laboratories, Inc., Mogadore, OH, USA, 6State of Board of Pharmacy, Columbus, OH, USA

- Unless otherwise noted, all data is tabulated based on initial injury location. If the injury location is unknown, then the place of death is utilized. For this reason, tables may have numbers that do not exactly match.

- Numbers, as reported in previous editions of the Coroner's Statistical Report, may not exactly match the same data in this publication given the numerous revisions to tables over the years.

- All tables that summarize autopsied cases also include hospital autopsy data.

- Per the Medical Examiner's protocol, no partial autopsies are performed.

The 2017 Medical Examiner's Statistical Report has been prepared, collectively by:

William Alexy	Database Administration
Jason Bielinski	Photographs
Christopher Harris	Graphic Design, Photographs, Project Coordination, and Cover
Amy Koons	Photographs
Eric Lavins	Toxicology Data
Jan Mannion	Project Coordination and Proofreading
Bhavna Patel	Database Administration
Rindi Rico	Toxicology Data
Jodie Schneider	Database Administration
Kate Snyder	Photographs
Paula Wallace	Data Coding, Data Entry, Database Maintenance, Statistical Data, and Statistical Table Development
Greg Wilson	Photographs

Unidentified Forensic Sketch

The cover image is a forensic sketch of an unidentified woman found in a vacant lot, deceased under suspicious circumstances, in Cleveland, Ohio. Dr. Linda Spurlock, Assistant Professor of Anthropology at Kent State University, created the sketch and the Cuyahoga County Medical Examiner's Office released it to the media on July 10, 2017. The following day, a tipster contacted the Cleveland Police Department after seeing the sketch in the local news.

Through collaborative investigative efforts between the Cuyahoga County Medical Examiner's Office and Cleveland Police Department, additional information was obtained to establish a tentative ID. On July 26, 2017, a positive identification was made through a combination of forensic dentistry and x-rays to match Brooke Cameron.