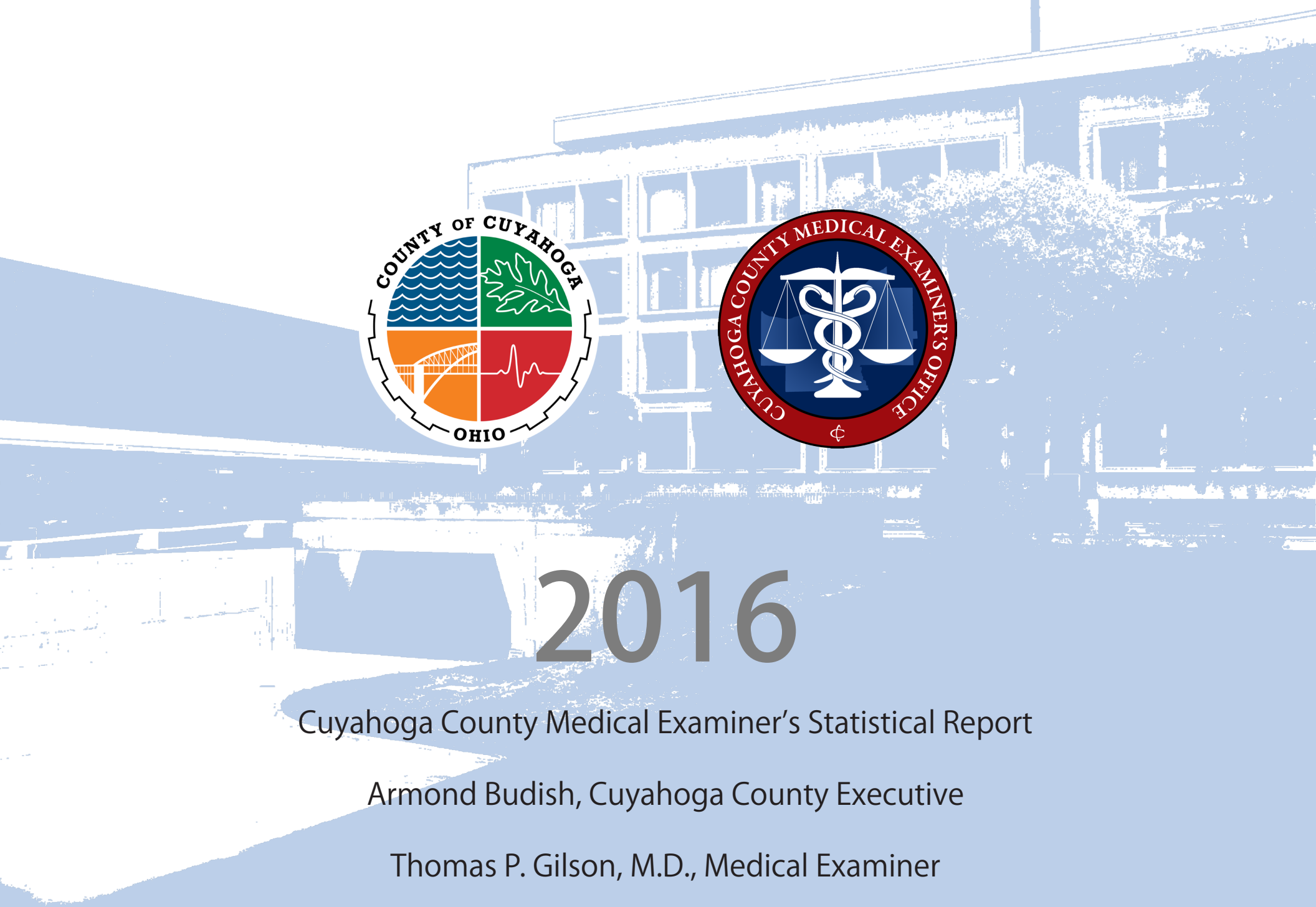


2016
MEDICAL EXAMINER'S STATISTICAL REPORT
CUYAHOGA COUNTY, OHIO



2016

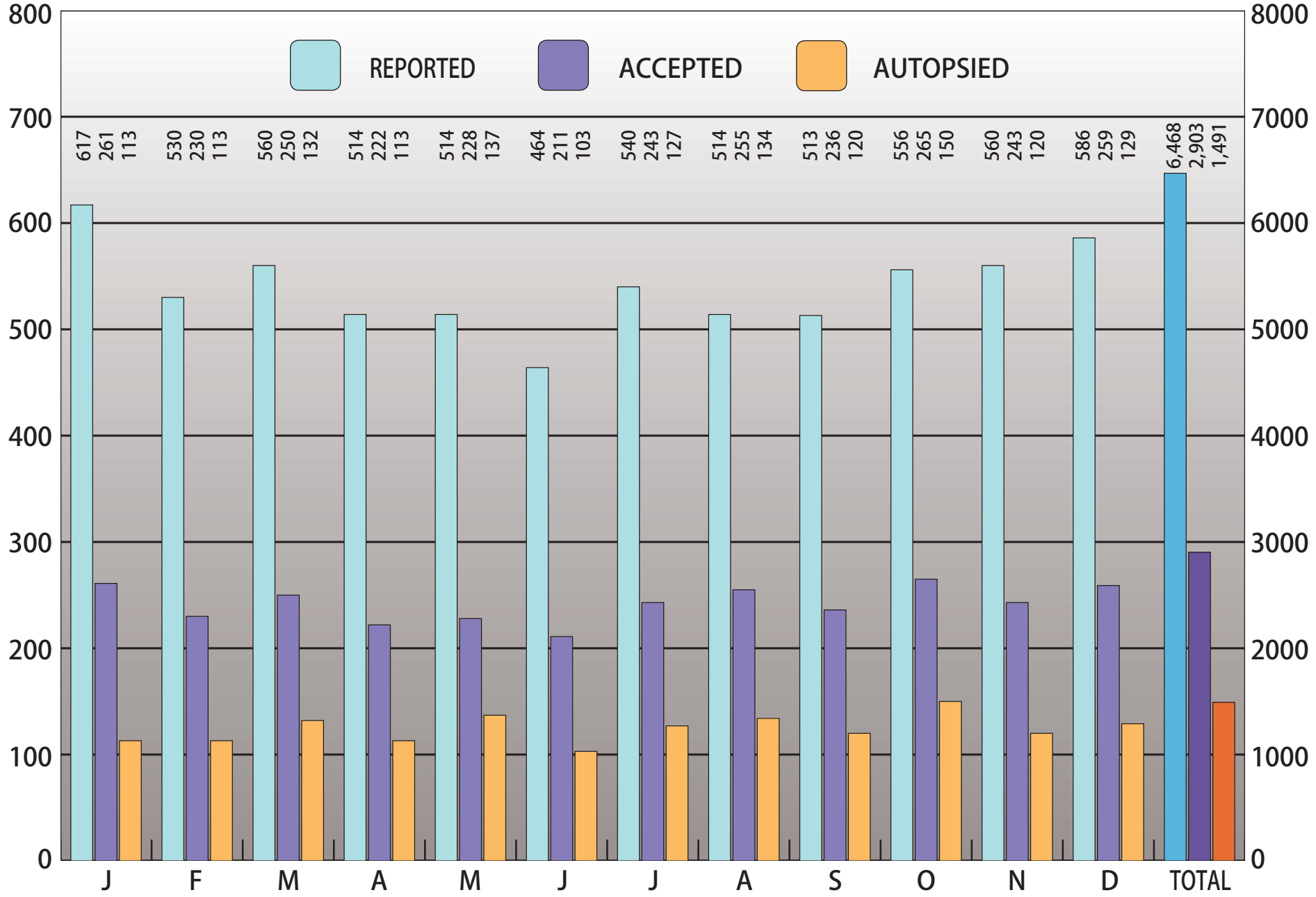
Cuyahoga County Medical Examiner's Statistical Report

Armond Budish, Cuyahoga County Executive

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

Samuel R. Gerber Building, 11001 Cedar Avenue, Cleveland, Ohio 44106

2016 NUMBER OF MEDICAL EXAMINER'S CASES



NUMBER OF CASES

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Thomas P. Gilson, M.D.
Medical Examiner

This seventy-eighth annual report of the Cuyahoga County Medical Examiner's Office has been prepared in accordance with our tradition of commitment and accountability to our community. It is the mission of the Medical Examiner's Office and Forensic Science Laboratory to provide the highest level of professional service to the residents of Cuyahoga County.

Cuyahoga County and the City of Cleveland enjoyed a remarkable 2016. The Cavaliers finally brought the NBA championship to the city, a franchise first and Cleveland's first national title since 1964. The Indians came one game shy of duplicating the feat later in the year with an exciting seven game World Series which ultimately went to the Chicago Cubs. The area also truly sparkled in an even larger spotlight for the Republican National Convention in the fall. Not surprisingly, Forbes Magazine named Cleveland as "America's Hottest City" to close out the year.

The Medical Examiner's Office saw the completion of the expansion of the Crime Laboratory in 2016 with the opening of the Firearms/Toolmarks Unit. Gun violence remained a persistent source of concern and this laboratory adds a powerful tool to combat it. The office was also increasingly a leader in addressing the local and national opioid crisis, which continued to worsen with the arrival of illicit fentanyl and fentanyl analogues. Leadership in the advancement of forensic science education was also recognized in the presentation of the August Vollmer Excellence in Forensic Science Award from the International Association of Chiefs of Police to Medicolegal Death Investigation Course.

On a sad note, the forensic community lost one of its leading members in April with the passing of Charles S. Hirsch, M.D. Prior to his long tenure as Chief Medical Examiner for the City of New York (1989-2013), Dr. Hirsch began his prestigious career in Cuyahoga County as a Deputy Coroner from 1969-1979. Over his long career he made many significant contributions to the field of forensic science and it is to his memory 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.

.

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.

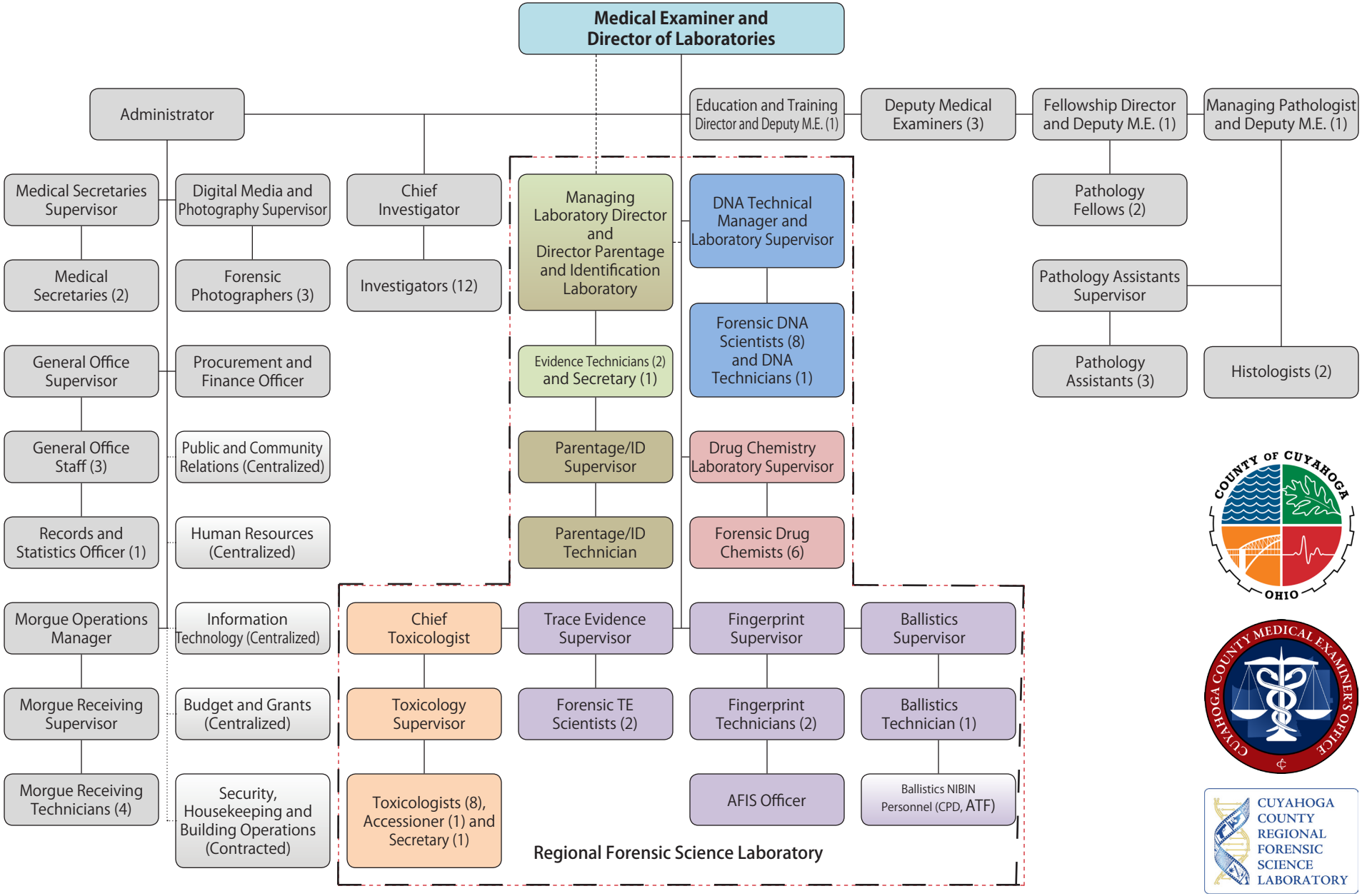
The Revised Code of the State of Ohio also outlines the role the Medical Examiner has with regard to taking charge of a dead body (**§ 313.13**), the responsibility for notifying known relatives of the decedent (**§ 313.14**), and securely storing their possessions. When firearms are included in the 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 2016 CUYAHOGA COUNTY MEDICAL EXAMINER'S OFFICE ORGANIZATIONAL CHART

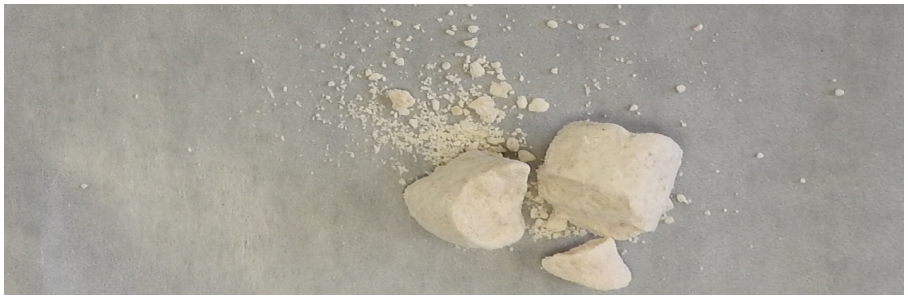


CUYAHOGA COUNTY OPIATE INITIATIVE

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.**

2016 ended with catastrophic loss of life, with 666 drug deaths and 557 due to opiates, opioids both prescription and illicit. 399 deaths were due to fentanyl or a fentanyl analog (see below).

The Cuyahoga County Regional Forensic Science Laboratory supports the investigative functions of the Medical Examiner and staff. The Laboratory performs scien-



tific examinations in the areas of Forensic Pathology, Trace Evidence, Serology, DNA, Parentage and Identification, Fingerprints, Firearms and Toolmarks, **Forensic Toxicology, and Forensic Drug Chemistry & Controlled Substance Analysis.** Such testing often results in the identification of the cause of overdose deaths and can provide a detailed analysis of drugs found at a scene.

In 2016, CCMEO continued its commitment to county-wide HIDI training in collaboration with Cleveland Police Department and the Ohio Attorney General's Bureau of Criminal Investigation (BCI). Hundreds of officers have been trained in Heroin Involved Death Investigation (HIDI) protocols, comprising communities that make up 95% of Cuyahoga County's population, as well as officers from Hamilton County.

Continued support for Project DAWN has led to 410 documented overdose reversals in 2016 and 735 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 focus of the crisis has now shifted to fentanyl which drove a record total number of fatalities in 2016.

CARFENTANIL & FENTANYL ANALOGS

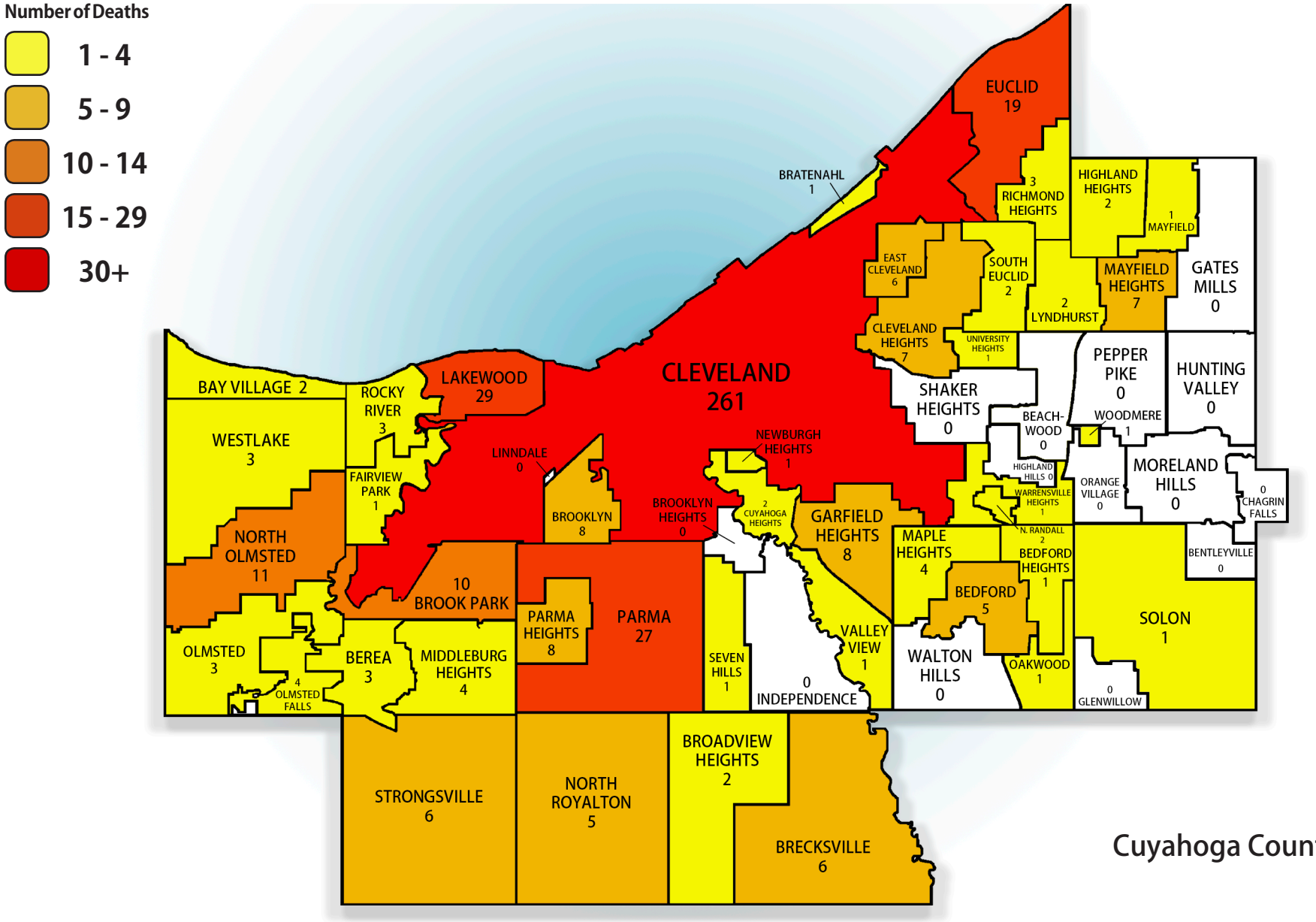
In 2016, a quarter of fentanyl related deaths were due to an analog, similar in chemical nature to fentanyl but often times far more potent and deadly. The deadliest of these is carfentanil. This is a known tranquilizer for large animals such as elephants and rhinos. 56 carfentanil related deaths occurred in 2016. Often found in combination with heroin, total heroin/fentanyl deaths rose from 197 in 2013, to 223 in 2014 and 228 in 2015.

Because the potency of carfentanil can be 1000 times that of heroin, it presents a lethal threat to humans, especially if users are unaware of its presence, which can be the case with any illicit street drug. It also makes the antidote Narcan or naloxone, far less effective.

FENTANYL AND COCAINE

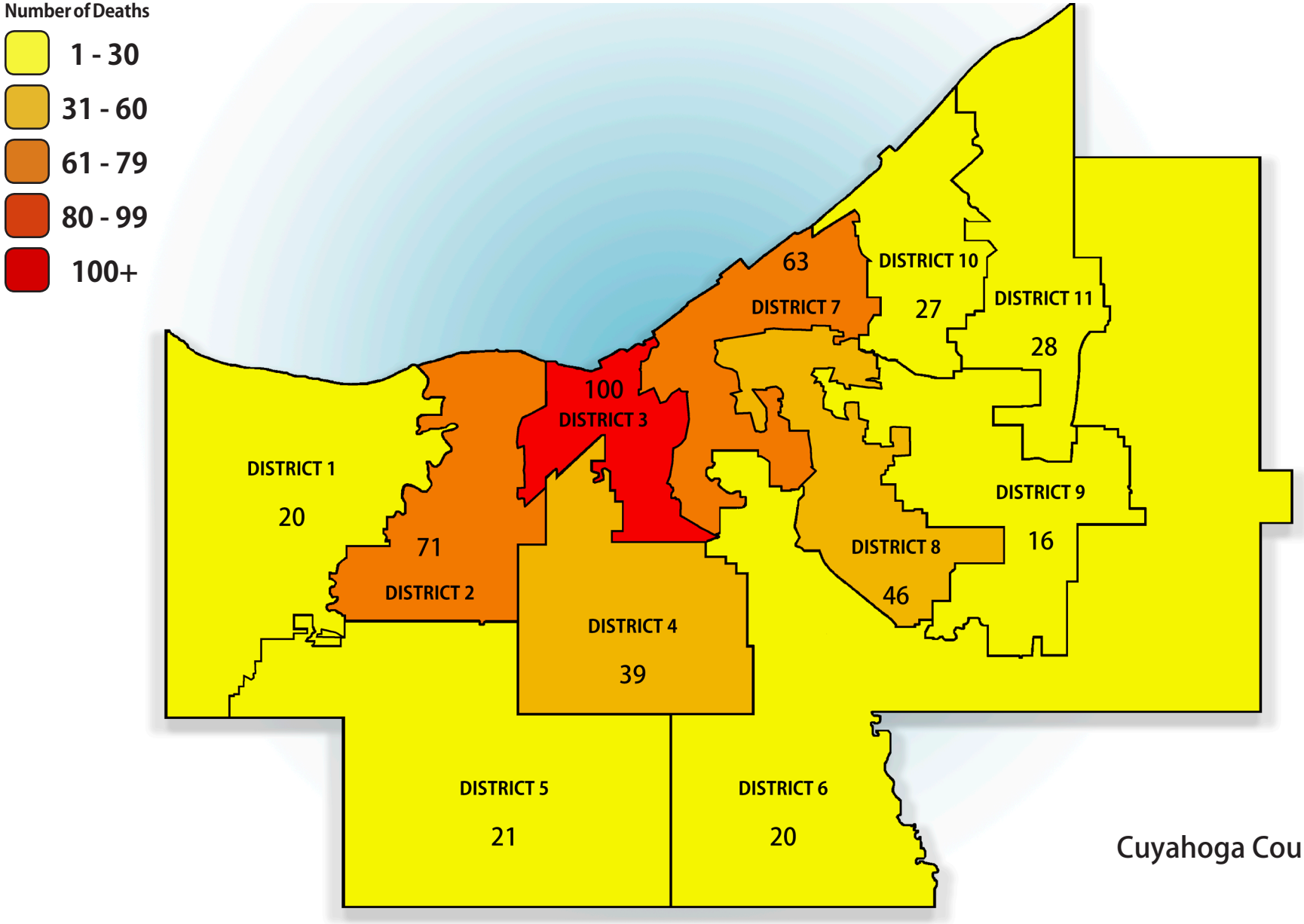
2016 also saw the reemergence of cocaine, often in conjunction with fentanyl. The incidence of deaths connected to cocaine more than doubled from 2015, with a majority of those also involving fentanyl. The Cuyahoga County Medical Examiner has issued a warning that the purposeful adulteration of the cocaine 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 2016, due to fentanyl related overdoses in the African American community, more than doubled the 2015 total.

2016 OPIATE DEATHS - LOCATION OF INCIDENT BY CITY*



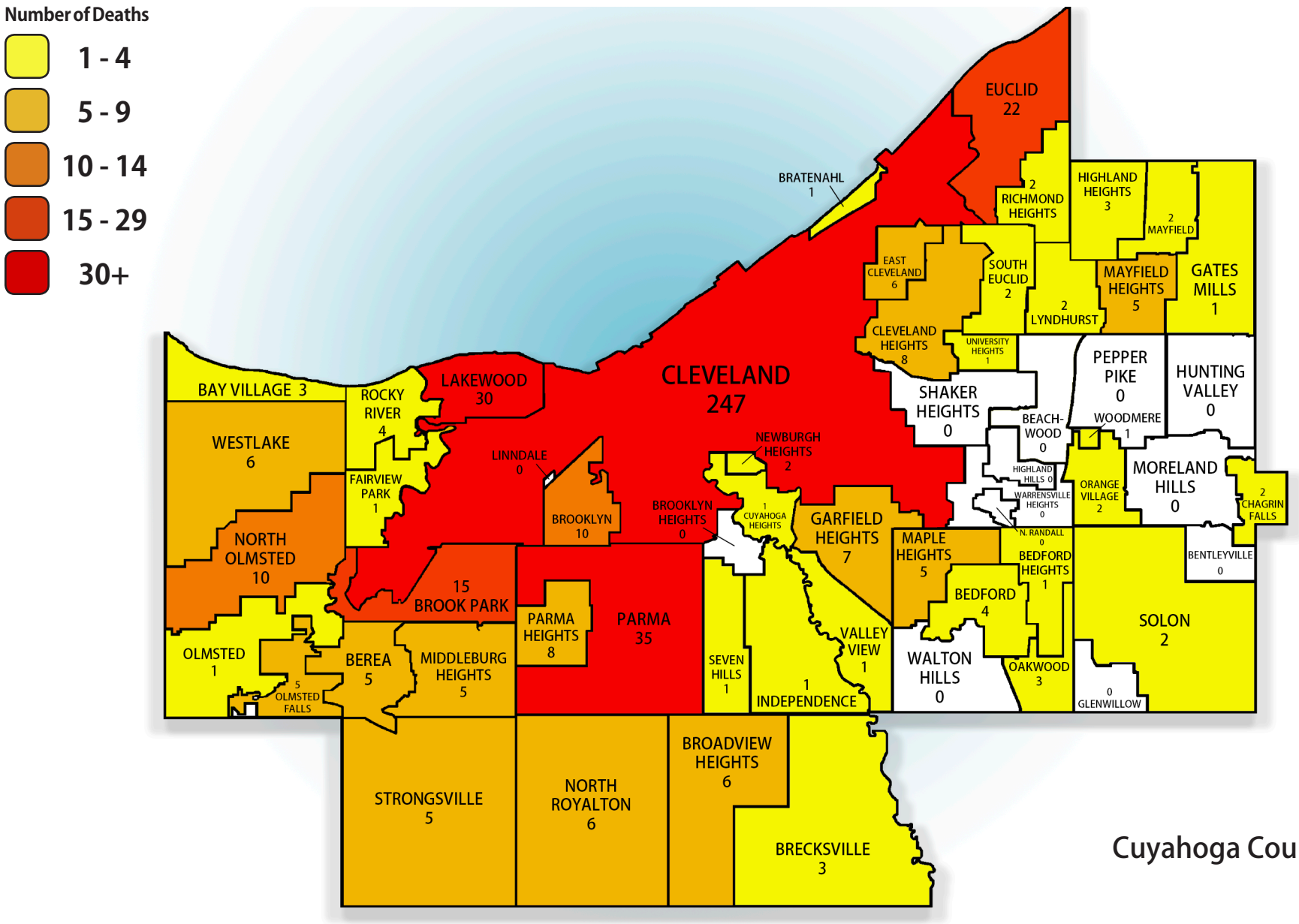
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2016 OPIATE DEATHS - LOCATION OF INCIDENT BY COUNCIL DISTRICT*



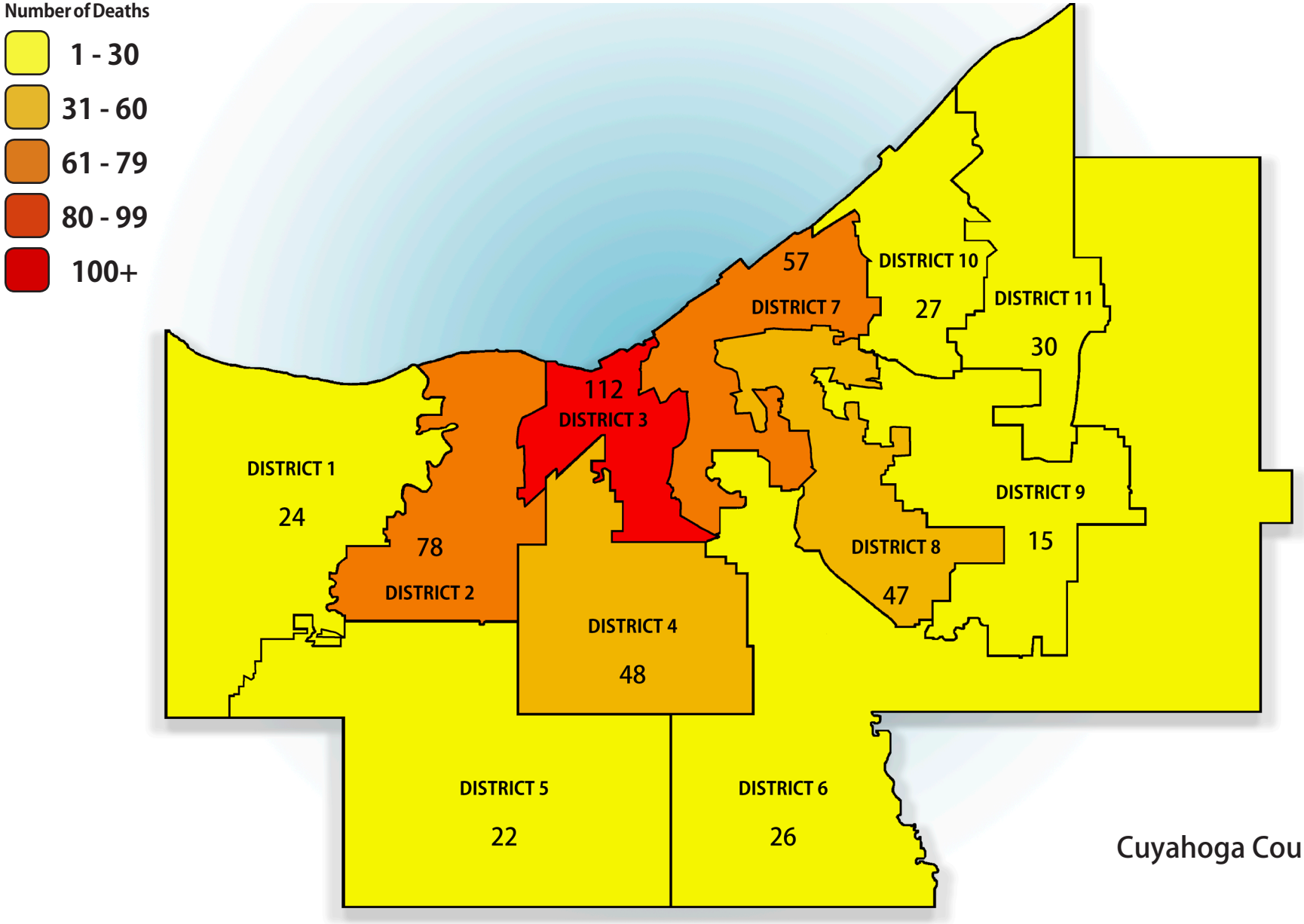
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2016 OPIATE DEATHS - RESIDENCE ADDRESS BY CITY

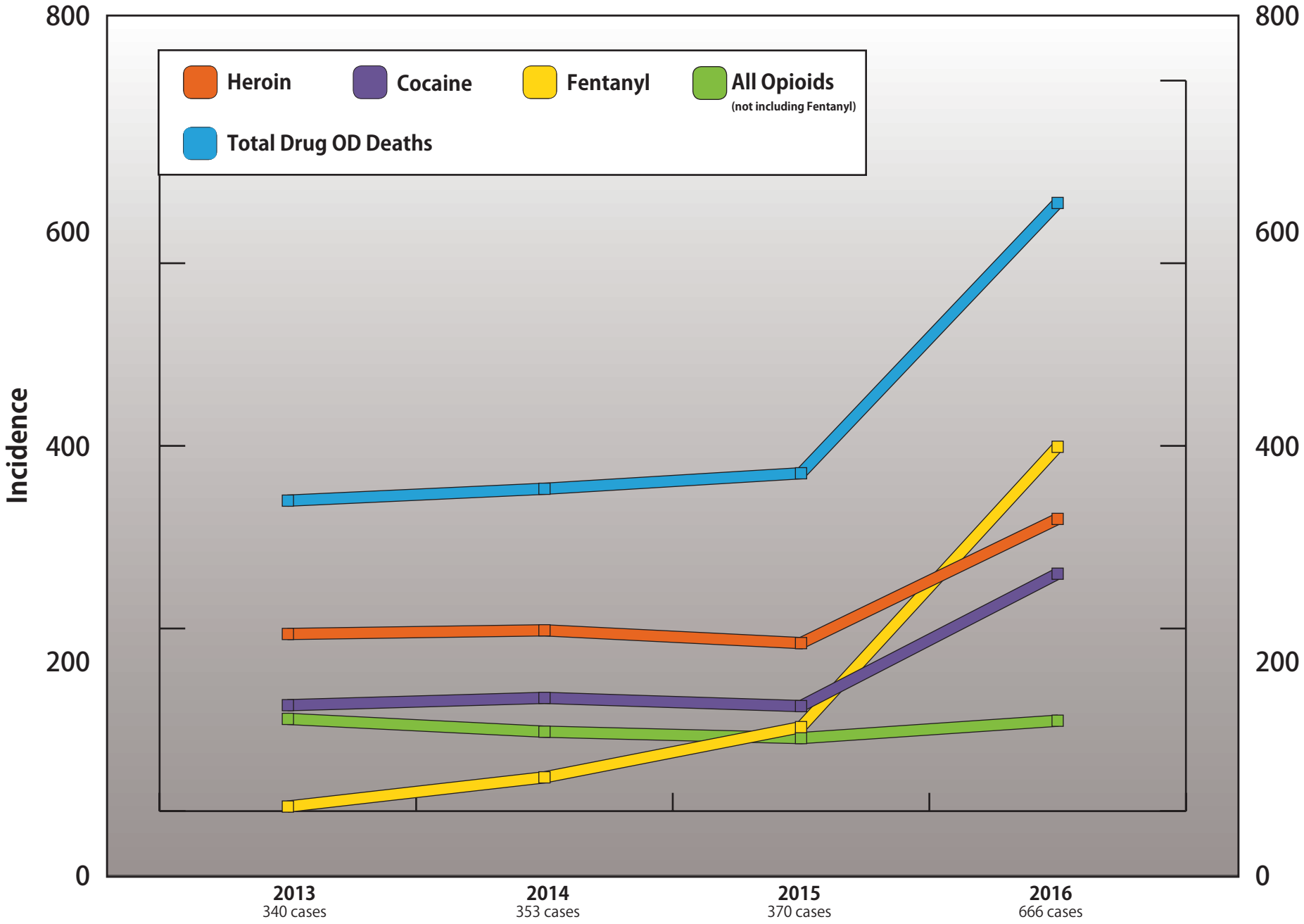


Cuyahoga County, Ohio

2016 OPIOID DEATHS - RESIDENCE ADDRESS BY COUNCIL DISTRICT

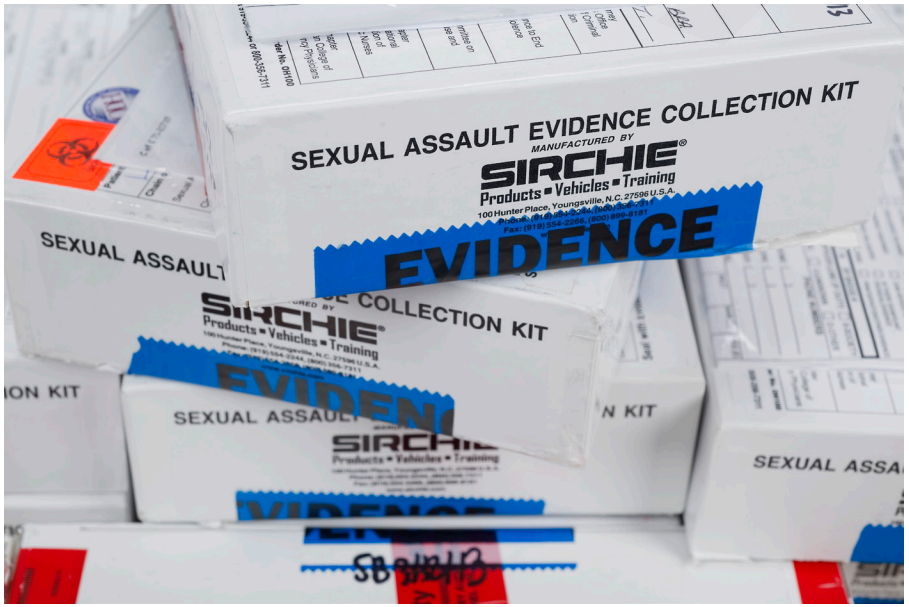


2013 - 2016 COMPARISON OF MOST COMMON OVERDOSE DRUGS



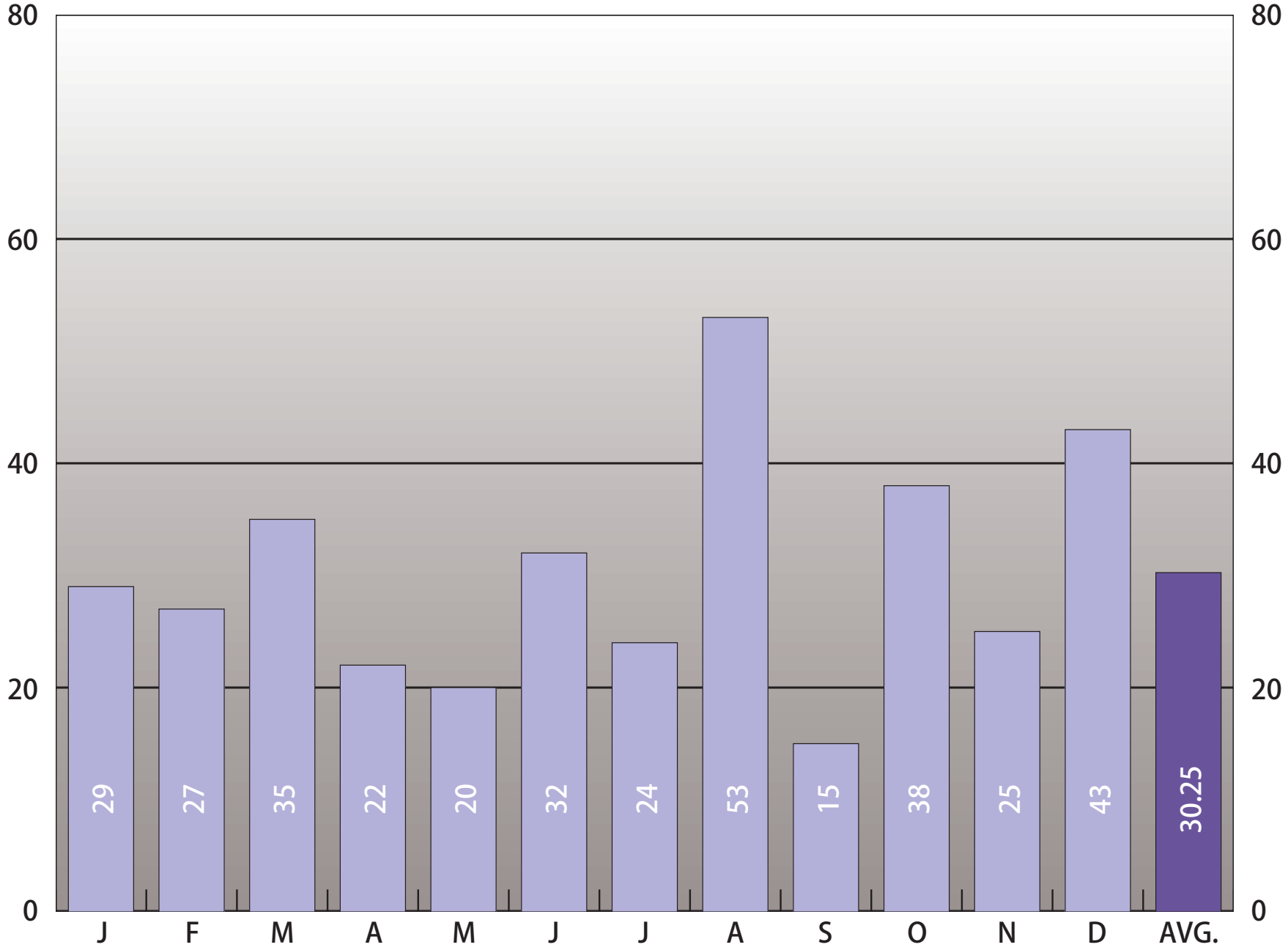
CUYAHOGA COUNTY SEXUAL ASSAULT POLICY

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.

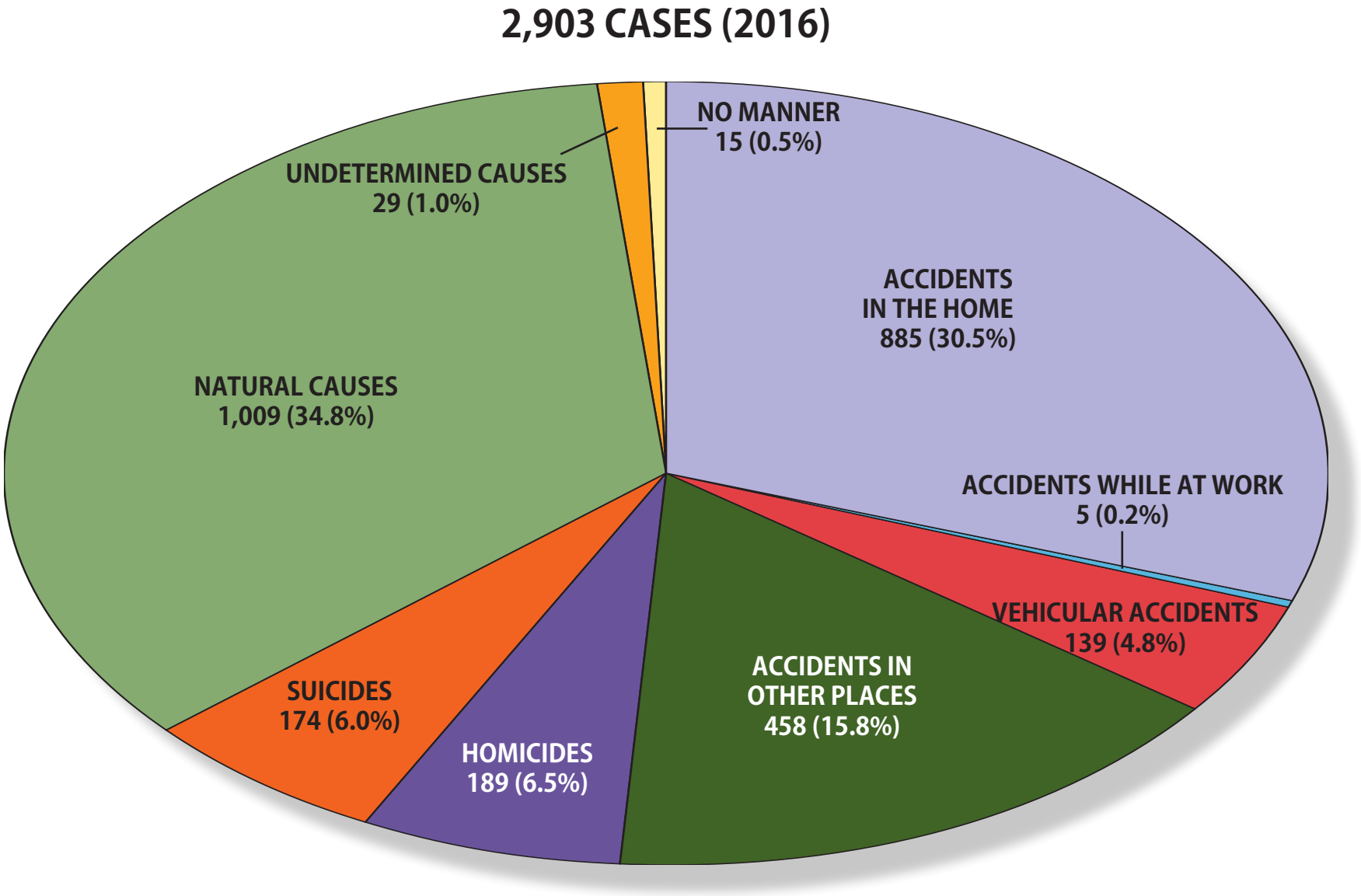


Since May 2012, over 1300 kits have been submitted for testing, essentially doubling the current DNA caseload of the lab. This important work continued in 2015, with the creation of additional laboratory space and the introduction of robotics and with continued and increased federal grant funding. Overall average case completion time in 2015 was 35 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.

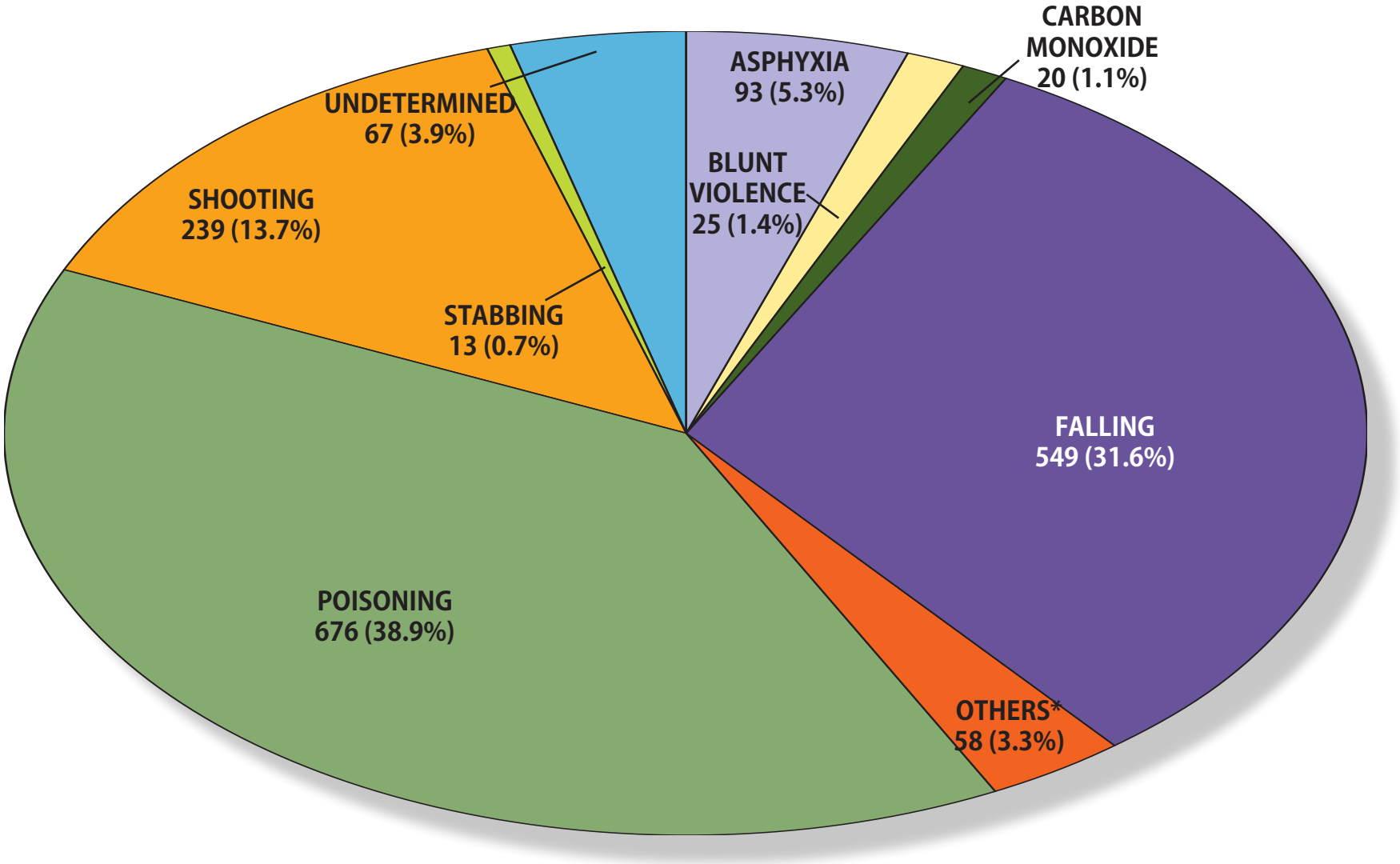
RAPE KITS RECEIVED BY MONTH FOR THE YEAR 2016



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



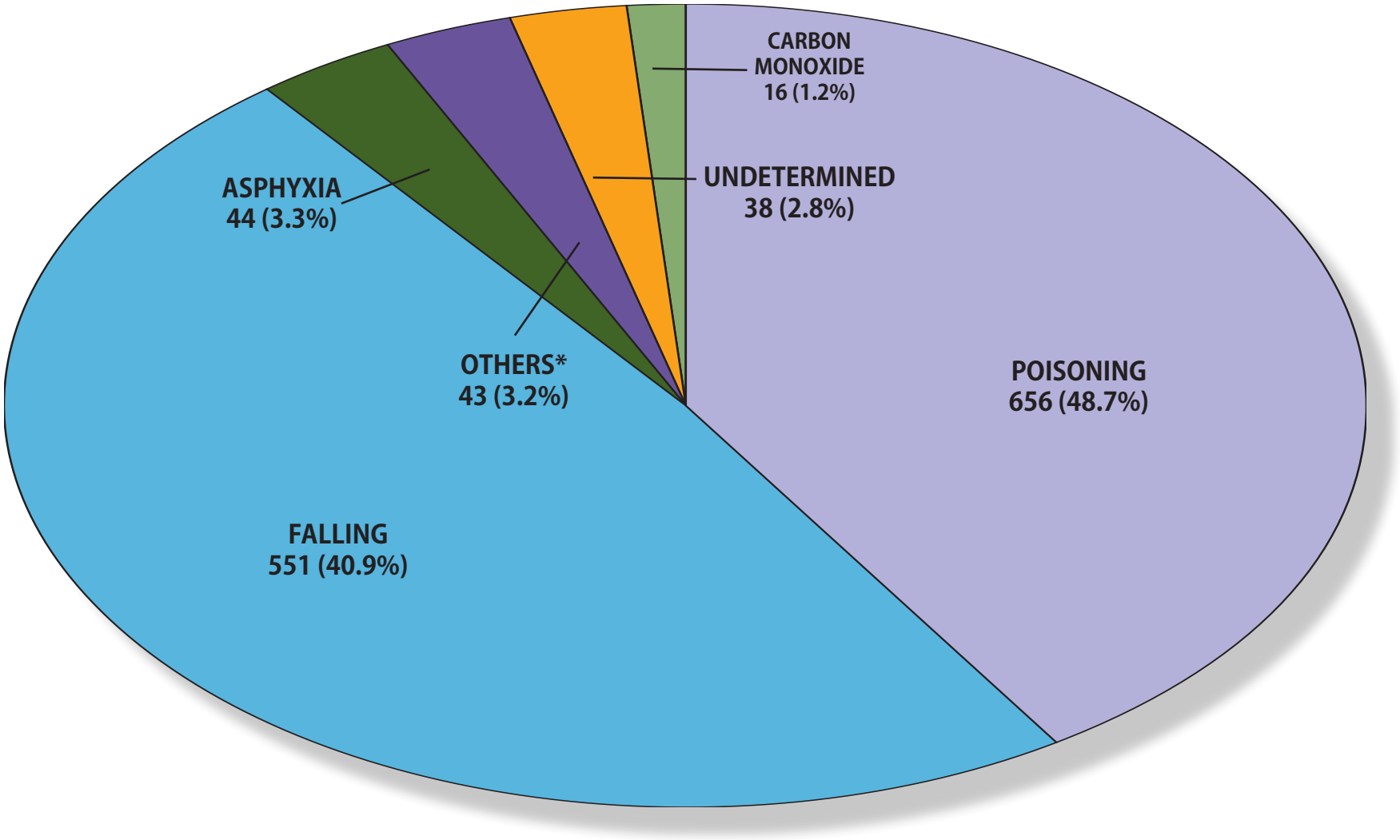
1,740** CASES (2016)



* **Others:** Burning, Crushing, Exposure, Fire/Explosion, Jumping, Miscellaneous
** **Excluding Vehicular Accidents**

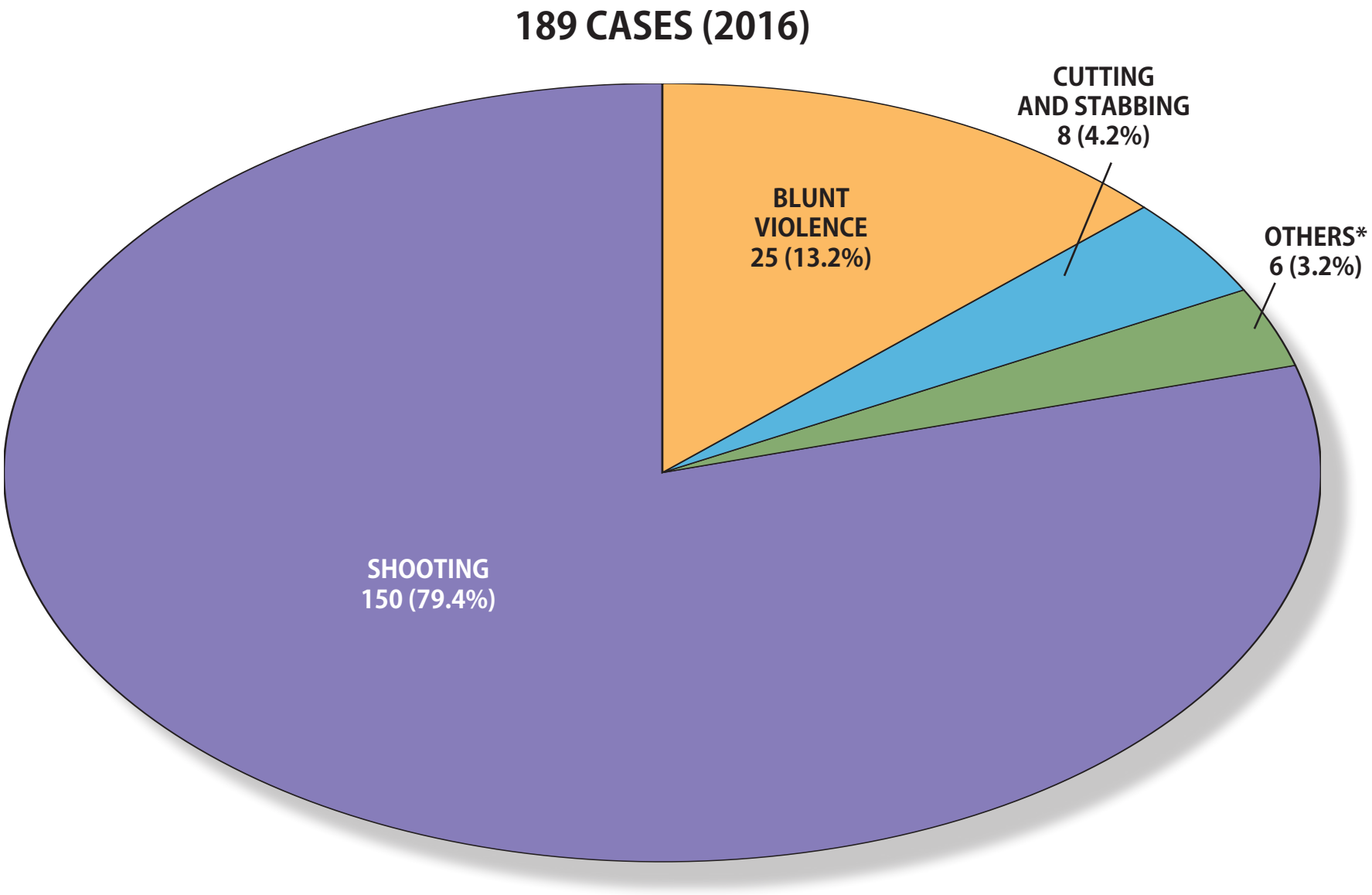
MODE OF OCCURRENCE 2016

1,348** CASES (2016)



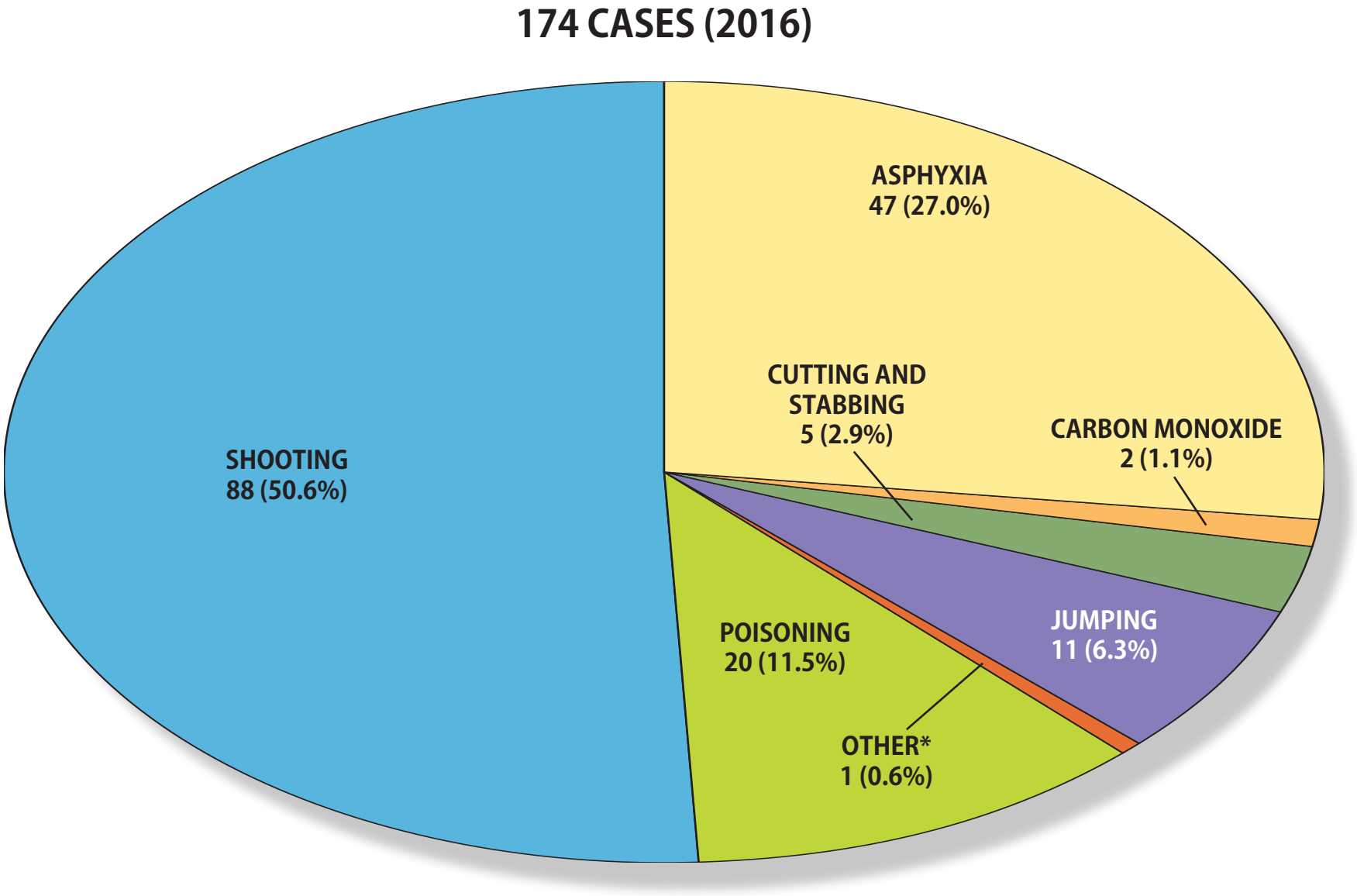
* **Others:** Burning, Crushing, Exposure, Fire/Explosion, Miscellaneous, Struck by Object
** **Excluding Vehicular Accidents**

MODE OF OCCURRENCE 2016



* **Others:** Asphyxia, Carbon Monoxide, Miscellaneous, Strangulation

MODE OF OCCURRENCE 2016



* **Other:** Burning

TABLE A TYPES OF FATALITIES AND MISCELLANEOUS INFORMATION - 2015 AND 2016

	2015	2016
Accidents in the Home	572	885
Accidents While at Work	12	5
Vehicular Accidents	128	139
Accidents in Other Places	336	458
Homicides	163	189
Suicides	159	174
Total Violent Deaths	**1,370**	**1,850**
Natural Causes	1,040	1,009
Undetermined Causes	42	29
No Manner Issued	4	15
Cases Reported - Admitted	**2,456**	**2,903**
Cases Reported - Not Admitted	3,670	3,565
Autopsies (Hospitals Included)	1,287*	1,491**
Partial Autopsies	0	0
Autopsies Performed for Other Counties	240	317
Scene Investigations	1,053	1,221
Unidentified Bodies	0	0
Unclaimed Bodies	105	113
Donated Bodies	2	5
Exhumations	0	1
Bodies Transported By/By Order of	2,456	2,595
Bodies Transported to Office	3,105	3,058
Deaths in Cuyahoga County	13,611	13,973
Percentage of Deaths Admitted	18.04%	20.78%

***Includes 2 autopsies performed at hospitals**
****Includes 5 autopsies performed at hospitals**

2016 TYPES OF FATALITIES - GENDER, RACE, ETHNICITY, AUTOPSY

TABLE B

Type of Fatality	Total	Gender		Race							Hispanic	Autopsied Cases*	% of Total Cases
		Male	Female	White	Black	American Indian or Alaskan Native	Asian	Asian Indian	Native Hawaiian or Pacific Islander	Unknown			
Accidents in the Home	885	555	330	743	136	1	2	3	0	0	24	498	17.15%
Accidents While at Work	5	5	0	3	2	0	0	0	0	0	1	3	0.10%
Vehicular Accidents	139	101	38	81	57	0	1	0	0	0	7	72	2.48%
Accidents in Other Places**	458	244	214	378	77	1	1	0	0	1	10	161	5.55%
Homicides	189	151	38	37	149	1	1	1	0	0	13	187	6.44%
Suicides	174	140	34	135	36	0	0	3	0	0	2	156	5.37%
Natural Causes	1009	666	343	646	355	1	5	1	1	0	13	379	13.06%
Undetermined Causes	29	19	10	13	15	0	1	0	0	0	0	24	0.83%
No Manner Issued**	15	6	7	9	6	0	0	0	0	0	0	11	0.38%
Total	2903	1887	1014	2045	833	4	11	8	1	1	70	1491	51.36%

* Includes 5 autopsies performed at hospitals
** Gender and/or Race is unknown for 3 cases

TABLE C TYPES OF FATALITIES - 2015 AND 2016 INCIDENCE COMPARED

	Percentage of Total Cases Admitted	
	2015	2016
Accidents in the Home	23.3	30.2
Accidents While at Work	0.5	0.2
Vehicular Accidents	5.2	4.8
Accidents in Other Places	13.7	15.8
Homicides	6.6	6.5
Suicides	6.5	6.0
Total Violent Deaths	**55.8**	**63.7**
Natural Causes	42.3	34.8
Undetermined Causes	1.7	1.0
No Manner Issued	0.2	0.5

	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	885	550	62.15%	162	29.45%
Accidents While at Work	5	3	60.00%	1	33.33%
Vehicular Accidents	139	93	66.91%	37	39.78%
Accidents in Other Places	458	185	40.39%	51	27.57%
Homicides	189	184	97.35%	59	32.07%
Suicides	174	154	88.51%	51	33.12%
Total Violent Deaths	**1,850**	**1,169**	**63.19%**	**361**	**30.88%**
Natural Causes	1,009	528	52.33%	123	23.30%
Undetermined Causes	29	20	68.97%	4	20.00%
No Manner Issued	15	5	33.33%	1	20.00%
Total Cases	**2,903**	**1,722**	**59.32%**	**489**	**28.40%**

TABLE E 2016 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	5	3	3	1	5	2	2	1	15	7
Monday	4	2	5	0	1	0	0	0	10	2
Tuesday	5	2	1	0	0	0	1	0	7	2
Wednesday	5	1	3	1	0	0	1	0	9	2
Thursday	6	0	5	5	2	1	6	4	19	10
Friday	4	1	3	1	1	0	3	0	11	2
Saturday	2	2	5	5	7	4	5	1	19	12
Total	**31**	**11**	**25**	**13**	**16**	**7**	**18**	**6**	**90**	**37**

2016 SUMMARY CHART - CUYAHOGA COUNTY

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	1534	52.84%	470	16.19%	686	23.63%	108	3.72%	164	5.65%	73	2.51%	19	0.65%	14	0.48%
Bay Village	11	0.38%	2	0.07%	8	0.28%	0	0.00%	0	0.00%	1	0.03%	0	0.00%	0	0.00%
Beachwood	58	2.00%	17	0.59%	33	1.14%	2	0.07%	1	0.03%	3	0.10%	2	0.07%	0	0.00%
Bedford	54	1.86%	24	0.83%	23	0.79%	2	0.07%	3	0.10%	1	0.03%	1	0.03%	0	0.00%
Bedford Heights	2	0.07%	2	0.07%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Berea	19	0.65%	9	0.31%	8	0.28%	0	0.00%	0	0.00%	2	0.07%	0	0.00%	0	0.00%
Brecksville	15	0.52%	2	0.07%	8	0.28%	2	0.07%	0	0.00%	3	0.10%	0	0.00%	0	0.00%
Broadview Heights	9	0.31%	3	0.10%	5	0.17%	0	0.00%	0	0.00%	1	0.03%	0	0.00%	0	0.00%
Brooklyn	16	0.55%	7	0.24%	8	0.28%	0	0.00%	1	0.03%	0	0.00%	0	0.00%	0	0.00%
Brook Park	15	0.52%	6	0.21%	7	0.24%	0	0.00%	0	0.00%	2	0.07%	0	0.00%	0	0.00%
Cleveland Heights	28	0.96%	13	0.45%	11	0.38%	0	0.00%	1	0.03%	3	0.10%	0	0.00%	0	0.00%
East Cleveland	38	1.31%	22	0.76%	11	0.38%	0	0.00%	4	0.14%	1	0.03%	0	0.00%	0	0.00%
Euclid	99	3.41%	46	1.58%	42	1.45%	0	0.00%	1	0.03%	8	0.28%	2	0.07%	0	0.00%
Fairview Park	13	0.45%	9	0.31%	1	0.03%	0	0.00%	1	0.03%	2	0.07%	0	0.00%	0	0.00%
Garfield Heights	84	2.89%	34	1.17%	42	1.45%	1	0.03%	5	0.17%	2	0.07%	0	0.00%	0	0.00%
Highland Heights	6	0.21%	3	0.10%	2	0.07%	0	0.00%	0	0.00%	1	0.03%	0	0.00%	0	0.00%
Independence	3	0.10%	2	0.07%	0	0.00%	0	0.00%	0	0.00%	1	0.03%	0	0.00%	0	0.00%
Lakewood	75	2.58%	35	1.21%	32	1.10%	0	0.00%	0	0.00%	7	0.24%	1	0.03%	0	0.00%
Lyndhurst	3	0.10%	0	0.00%	1	0.03%	0	0.00%	0	0.00%	2	0.07%	0	0.00%	0	0.00%
Maple Heights	23	0.79%	16	0.55%	4	0.14%	1	0.03%	0	0.00%	2	0.07%	0	0.00%	0	0.00%
Mayfield Heights	98	3.38%	30	1.03%	51	1.76%	7	0.24%	1	0.03%	7	0.24%	1	0.03%	1	0.03%
Middleburg Heights	85	2.93%	30	1.03%	43	1.48%	3	0.10%	1	0.03%	8	0.28%	0	0.00%	0	0.00%
North Olmsted	26	0.90%	9	0.31%	12	0.41%	0	0.00%	0	0.00%	5	0.17%	0	0.00%	0	0.00%
North Royalton	27	0.93%	12	0.41%	11	0.38%	0	0.00%	0	0.00%	4	0.14%	0	0.00%	0	0.00%
Olmsted Falls	13	0.45%	6	0.21%	4	0.14%	1	0.03%	0	0.00%	2	0.07%	0	0.00%	0	0.00%
Parma	190	6.54%	67	2.31%	108	3.72%	1	0.03%	1	0.03%	11	0.38%	2	0.07%	0	0.00%
Parma Heights	17	0.59%	9	0.31%	6	0.21%	0	0.00%	0	0.00%	1	0.03%	1	0.03%	0	0.00%
Pepper Pike	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Richmond Heights	29	1.00%	13	0.45%	14	0.48%	2	0.07%	0	0.00%	0	0.00%	0	0.00%	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	20	0.69%	9	0.31%	7	0.24%	0	0.00%	0	0.00%	4	0.14%	0	0.00%	0	0.00%
Seven Hills	11	0.38%	6	0.21%	3	0.10%	0	0.00%	0	0.00%	2	0.07%	0	0.00%	0	0.00%
Shaker Heights	10	0.34%	5	0.17%	3	0.10%	0	0.00%	0	0.00%	2	0.07%	0	0.00%	0	0.00%
Solon	12	0.41%	5	0.17%	5	0.17%	1	0.03%	0	0.00%	1	0.03%	0	0.00%	0	0.00%
South Euclid	9	0.31%	5	0.17%	4	0.14%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Strongsville	41	1.41%	14	0.48%	26	0.90%	0	0.00%	0	0.00%	1	0.03%	0	0.00%	0	0.00%
University Heights	2	0.07%	2	0.07%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Warrensville Heights	32	1.10%	17	0.59%	9	0.31%	2	0.07%	1	0.03%	3	0.10%	0	0.00%	0	0.00%
Westlake	123	4.24%	28	0.96%	88	3.03%	3	0.10%	1	0.03%	3	0.10%	0	0.00%	0	0.00%
VILLAGES Bentleyville	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Bratenahl	2	0.07%	0	0.00%	1	0.03%	1	0.03%	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	1	0.03%	1	0.03%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Gates Mills	2	0.07%	1	0.03%	0	0.00%	1	0.03%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Glenwillow	3	0.10%	0	0.00%	3	0.10%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Highland Hills	1	0.03%	1	0.03%	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%	2	0.07%	3	0.10%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Moreland Hills	1	0.03%	1	0.03%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Newburgh Heights	7	0.24%	6	0.21%	1	0.03%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
North Randall	4	0.14%	1	0.03%	2	0.07%	0	0.00%	1	0.03%	0	0.00%	0	0.00%	0	0.00%
Oakwood Village	1	0.03%	0	0.00%	0	0.00%	1	0.03%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Orange Village	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Valley View	4	0.14%	1	0.03%	0	0.00%	0	0.00%	0	0.00%	3	0.10%	0	0.00%	0	0.00%
Walton Hills	2	0.07%	1	0.03%	1	0.03%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Woodmere	2	0.07%	1	0.03%	1	0.03%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
TOWNSHIPS Chagrin Falls	6	0.21%	0	0.00%	4	0.14%	0	0.00%	2	0.07%	0	0.00%	0	0.00%	0	0.00%
Olmsted Township	12	0.41%	4	0.14%	6	0.21%	0	0.00%	0	0.00%	2	0.07%	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 - 2016

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%

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 Undeterminded	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

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

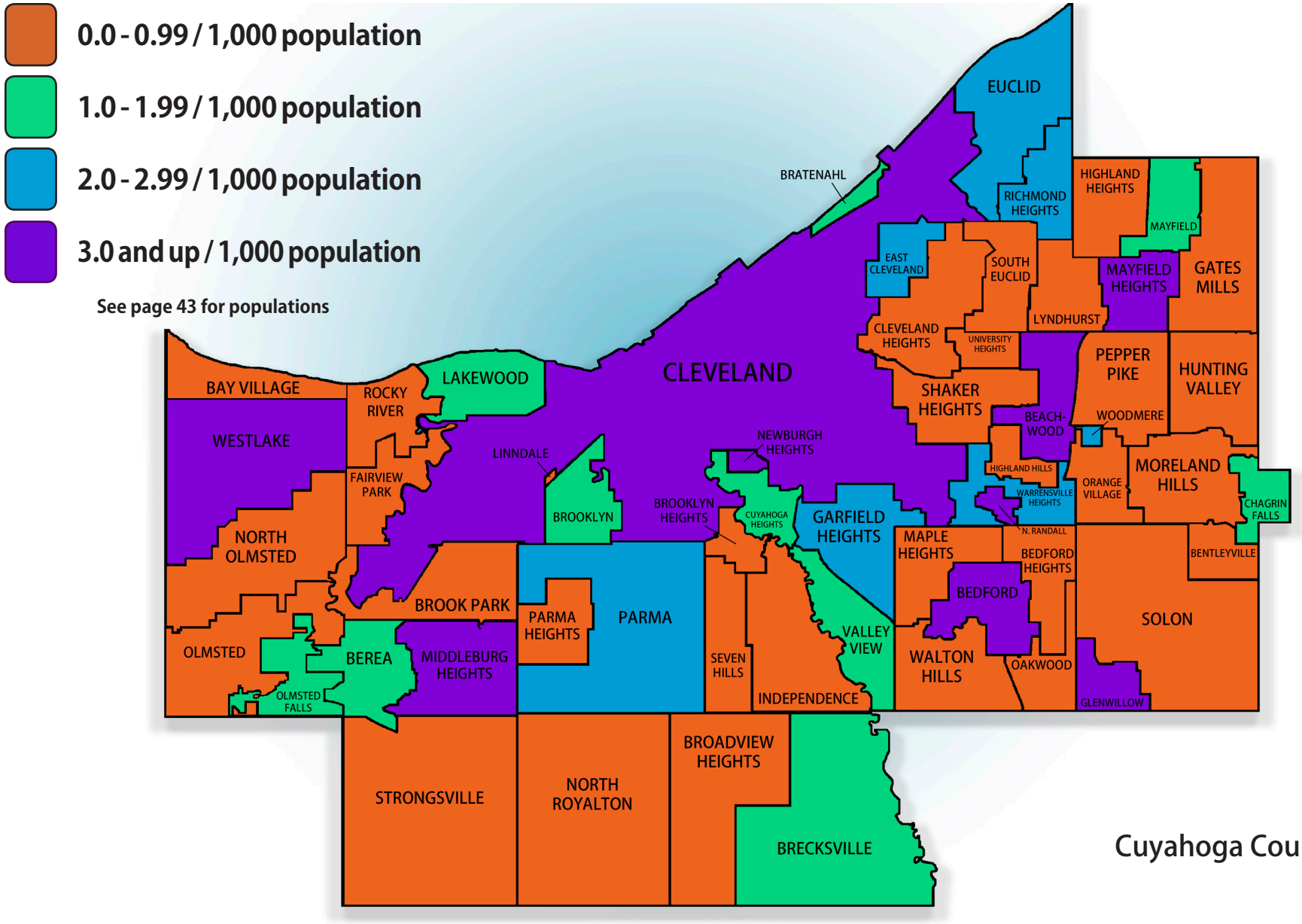
2016 MEDICAL EXAMINER'S TRAUMA CASES TRANSPORTED FROM OTHER COUNTIES

TABLE I

County	Gender		Manner					Location of Death		Grand Total
	M	F	Vehicular	Homicide	Suicide	Accident	Undetermined	Cleveland	Rest of County	
Ashtabula	1	0	0	0	1	0	0	1	0	1
Erie	1	1	2	0	0	0	0	2	0	2
Geauga	6	3	1	0	2	6	0	5	4	9
Holmes	0	1	1	0	0	0	0	1	0	1
Lake	4	1	1	0	1	2	1	2	3	5
Lorain	15	2	6	2	2	7	0	10	7	17
Medina	1	2	0	1	1	1	0	3	0	3
Stark	0	2	0	1	0	1	0	2	0	2
Summit	3	0	1	0	0	2	0	0	3	3
Trumbull	1	0	0	1	0	0	0	1	0	1
Total	**32**	**12**	**12**	**5**	**7**	**19**	**1**	**27**	**17**	**44**

2016 AUTOPSIES PERFORMED FOR OTHER COUNTIES

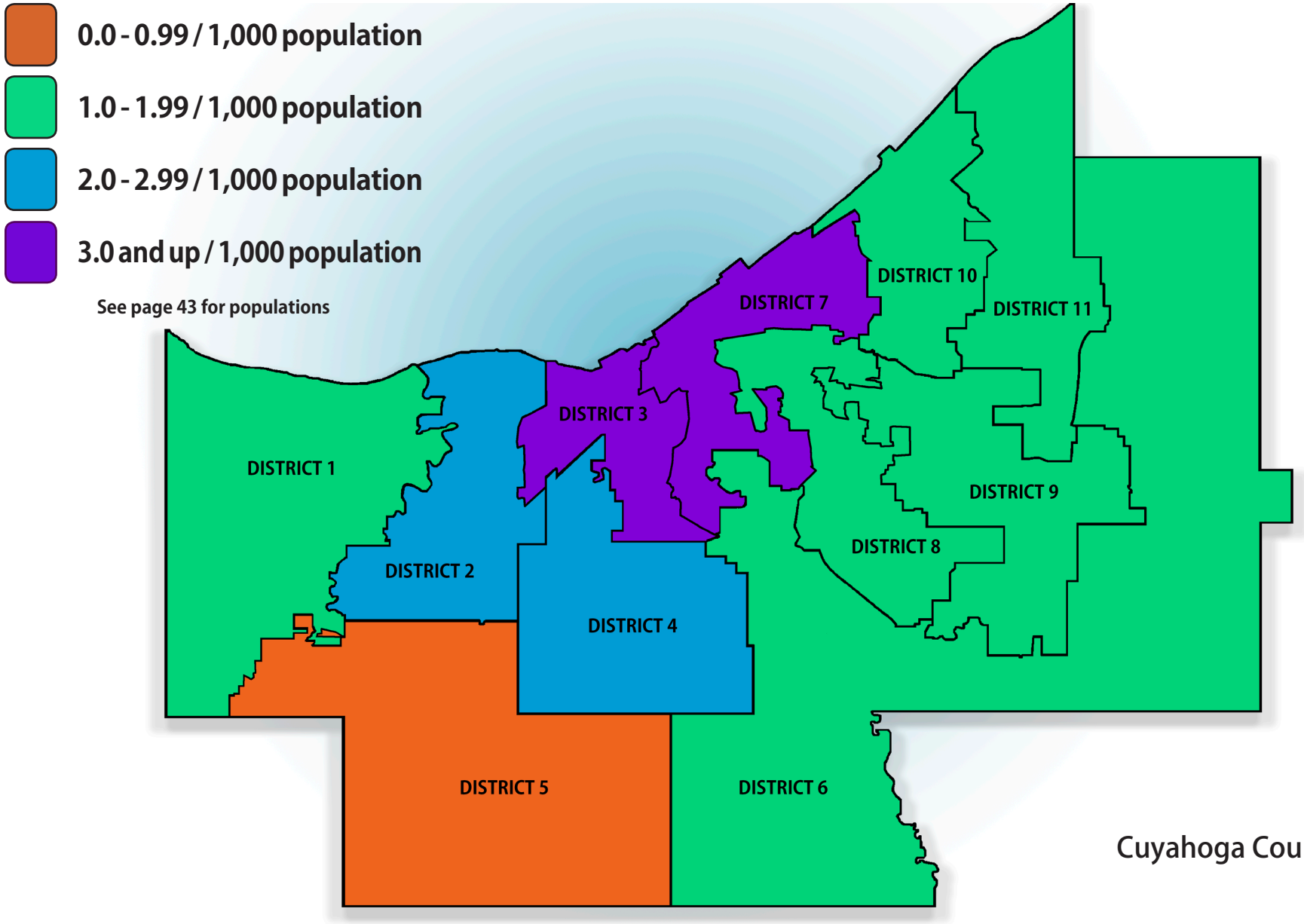
County	Male	Female	Grand Total
Ashland	9	10	19
Ashtabula	25	14	39
Columbiana	4	5	9
Geauga	42	15	57
Huron	0	2	2
Jefferson	4	2	6
Lake	32	13	45
Mahoning	11	3	14
Medina	47	18	65
Portage	1	3	4
Richland	42	10	52
Trumbull	5	0	5
Total	**222**	**95**	**317**



See page 43 for populations

Cuyahoga County, Ohio

MAP 1B 2016 DISTRIBUTION OF MEDICAL EXAMINER'S CASES BY COUNCIL DISTRICT* PER 1,000 POPULATION



See page 43 for populations

Cuyahoga County, Ohio

*Council district was undetermined and/or not analyzed for 368 cases.

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**

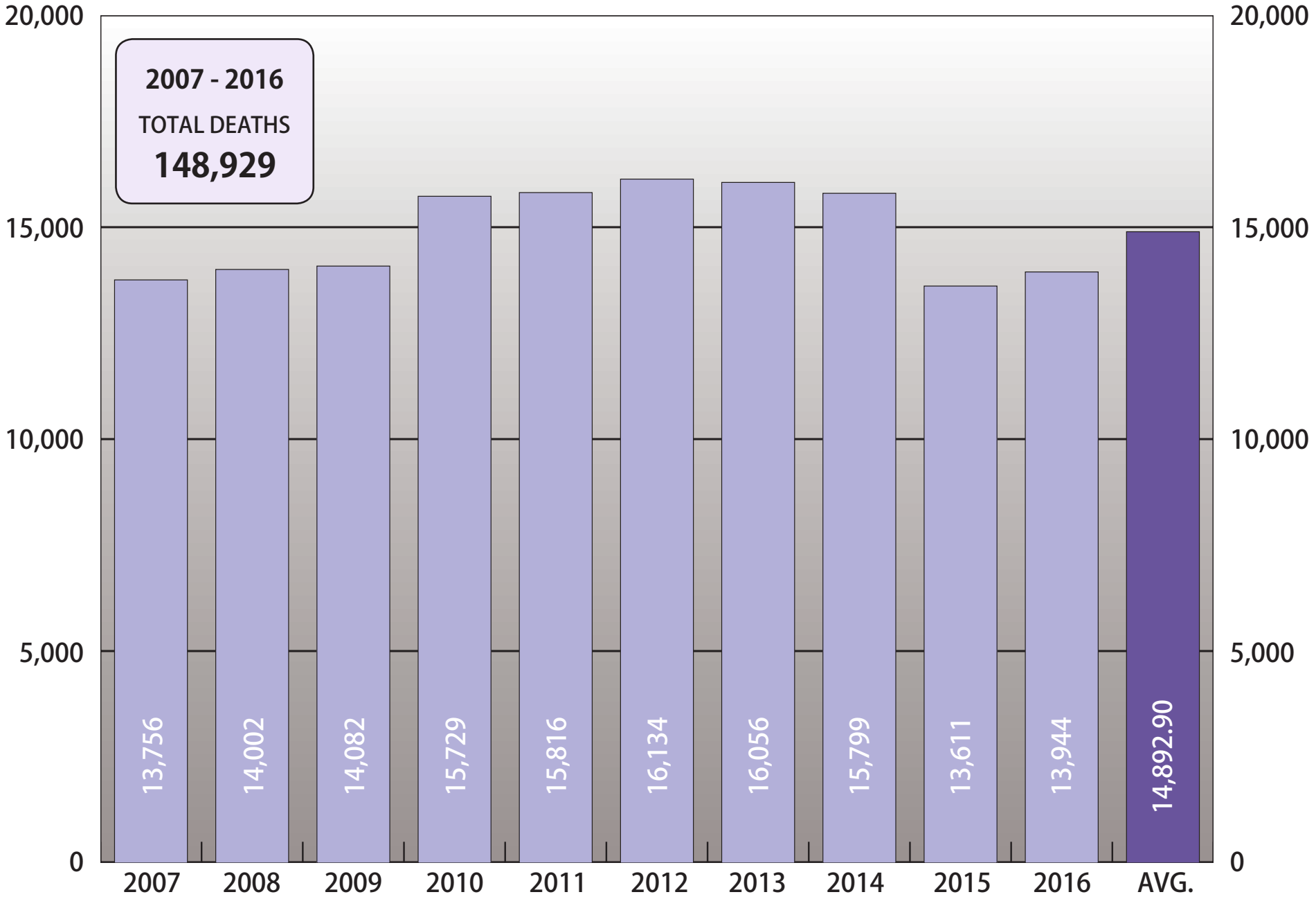
District 1	130,204
District 2	115,832
District 3	111,322
District 4	125,471
District 5	120,703
District 6	125,005
District 7	98,856
District 8	113,364
District 9	114,326
District 10	103,785
District 11	121,254

*** 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.**

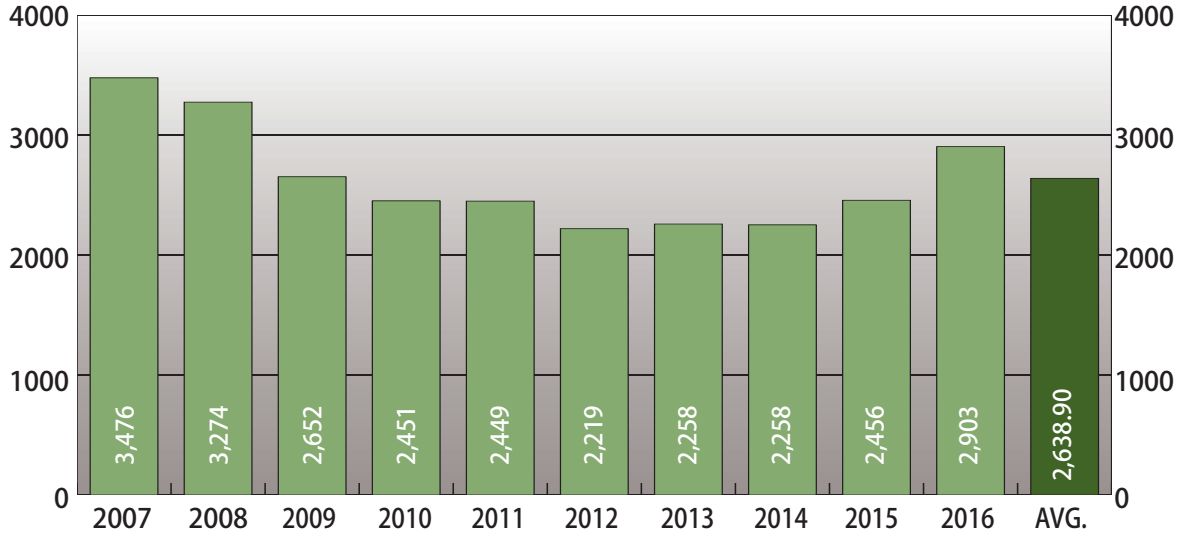
POPULATION OF CUYAHOGA COUNTY 1,280,122

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



2016 SUMMARY OF MEDICAL EXAMINER'S CASES

FOR A PERIOD OF TEN YEARS



2007 - 2016

TOTAL CASES

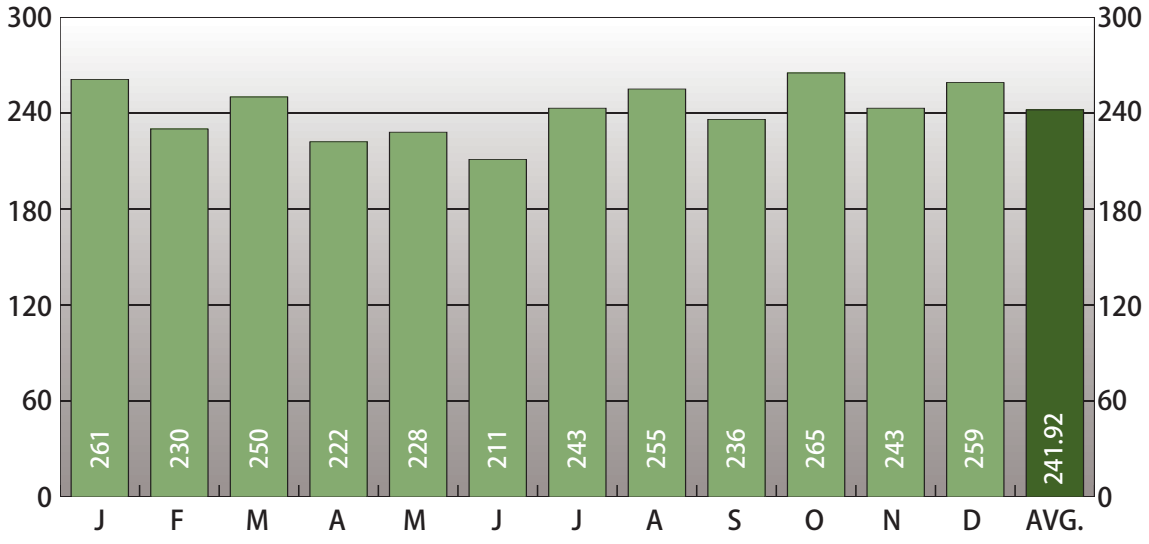
26,389

17.72%

OF TOTAL DEATHS

2016 SUMMARY OF MEDICAL EXAMINER'S CASES

BY MONTH FOR THE YEAR 2016



2016

TOTAL CASES

2,903

SUMMARY

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

Type of Fatality	County			Out of County	Total
	Cleveland	Other Cities	Rest of County		
Accidents in the Home	331	398	27	129	885
Accidents While at Work	2	1	2	0	5
Vehicular Fatalities	55	35	6	43	139
Accidents in Other Places	180	213	18	47	458
Homicides	148	33	2	6	189
Suicides	54	101	5	14	174
Total Violent Deaths	**770**	**781**	**60**	**239**	**1,850**
Natural Causes	470	519	20	0	1,009
Undetermined Causes	20	7	1	1	29
No Manner Issued	14	1	0	0	15
Total Cases Reported and Admitted	**1,274**	**1,308**	**81**	**240**	**2,903**

Miscellaneous	Total
Cases Reported-Not Admitted	3,565
Autopsies*	1,491
Autopsies Performed for Other Counties	317
Unidentified Bodies	0
Unclaimed Bodies	113
Donated Bodies	5
Total Deaths in Cuyahoga County	13,973
Total Cases as a Percentage of Total Deaths	20.78%

***Includes 5 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	47	28	42	29	55	29	40	28	37	35	34	26	41	25	46	17	57	31	48	30	55	23	53	29	555	330	885
Accidents While at Work	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	2	0	1	0	0	0	5	0	5
Vehicular Accidents	8	1	11	6	3	1	10	3	4	2	11	1	11	4	14	6	8	5	8	5	9	1	4	3	101	38	139
Accidents in Other Places	18	20	12	13	19	12	22	18	23	11	20	12	25	16	26	29	18	14	24	22	16	24	21	23	244	214	458
Homicides	11	1	7	6	8	3	9	4	11	2	9	1	12	4	16	3	14	5	22	4	19	1	13	4	151	38	189
Suicides	10	0	11	6	14	1	12	3	9	4	13	1	11	4	12	2	15	2	12	4	14	5	7	2	140	34	174
Natural Causes	72	40	57	29	67	33	39	30	62	24	55	23	60	26	53	27	39	26	53	27	42	28	67	30	666	343	1,009
Undetermined Causes	2	1	1	0	0	1	2	1	1	1	2	3	2	1	2	0	1	0	1	1	2	1	3	0	19	10	29
No Manner Issued	1	1	0	0	1	2	1	0	1	1	0	0	0	0	0	1	0	1	1	0	1	1	0	0	6	7	13*
Total	169	92	141	89	167	82	135	87	148	80	144	67	163	80	170	85	152	84	171	93	159	84	168	91	1,887	1,014	2,901

***Gender is unknown for 2 No Manner Issued cases.**

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	23	11	20	13	37	12	27	14	27	19	21	13	29	12	31	8	34	13	31	14	38	7	35	9	353	145	498
Accidents While at Work	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1	0	0	0	0	0	3	0	3
Vehicular Accidents	3	0	3	4	1	1	5	0	2	2	9	0	4	4	8	1	5	3	5	4	3	0	3	2	51	21	72
Accidents in Other Places	5	4	8	2	10	2	11	3	14	4	10	2	13	4	12	8	8	0	13	2	8	3	9	6	121	40	161
Homicides	11	1	7	6	8	3	9	4	11	2	9	1	12	4	16	3	14	4	21	4	19	1	13	4	150	37	187
Suicides	9	0	10	5	13	1	12	1	9	4	11	1	10	4	11	2	11	2	11	4	12	4	7	2	126	30	156
Natural Causes	31	10	23	11	28	13	17	7	32	7	18	4	22	7	20	10	15	10	25	11	12	9	28	9	271	108	379
Undetermined Causes	2	1	1	0	0	1	2	1	1	1	1	3	0	1	2	0	0	0	1	1	2	1	2	0	14	10	24
No Manner Issued	1	1	0	0	1	1	0	0	1	1	0	0	0	0	0	1	0	1	1	0	0	1	0	0	4	6	10*
Total	85	28	72	41	98	34	83	30	97	40	79	24	91	36	101	33	87	33	109	40	94	26	97	32	1,093	397	1,490

***Gender is unknown for 1 case in October.**

TOTAL CASES BY AGE GROUP AND TYPE OF FATALITY

TABLE 4

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	
Accidents in the Home	4	6	2	1	0	0	0	1	6	1	28	13	41	12	40	14	36	19	36	14	36	19	61	21	48	21	50	17	33	24	20	16	19	22	95	109	555	330	885
Accidents While at Work	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	5	0	5
Vehicular Accidents	0	0	1	0	1	3	1	0	4	5	6	2	8	3	8	7	5	2	3	1	7	1	11	0	13	2	12	3	12	2	4	1	1	1	4	5	101	38	139
Accidents in Other Places	0	1	0	0	1	0	0	0	3	0	7	4	12	7	18	6	32	5	12	3	21	6	15	13	21	7	11	6	13	11	11	7	11	14	56	124	244	214	458
Homicides	1	1	1	1	0	0	1	0	13	5	42	2	27	8	18	2	12	4	9	2	8	2	4	4	7	2	2	3	6	0	0	1	0	0	0	1	151	38	189
Suicides	0	0	0	0	0	0	0	0	5	1	7	2	19	2	10	2	9	4	10	2	9	2	11	4	20	7	8	3	11	2	4	1	5	1	12	1	140	34	174
Natural Causes	6	4	0	3	0	0	1	1	3	1	3	3	4	2	12	6	18	9	16	9	42	17	59	31	128	38	125	46	91	40	57	27	40	26	61	80	666	343	1,009
Undetermined Causes	8	4	0	0	0	0	0	0	0	0	2	0	2	0	0	0	1	2	0	1	1	0	1	1	1	0	0	1	3	0	0	0	0	0	0	1	19	10	29
No Manner Issued*	6	7	0	0	0	0	0	0	0	0	0	0	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	7	13*
Total	25	23	4	5	2	3	3	2	34	13	95	26	115	34	107	37	113	45	86	32	124	47	162	74	238	77	208	79	170	79	96	53	77	64	228	321	1,887	1,014	2,901

***Gender is unknown for 2 No Manner Issued cases.**

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	
Accidents in the Home	4	5	2	1	0	0	0	0	5	1	24	9	39	9	36	12	32	15	34	10	33	15	49	18	30	12	36	14	18	4	4	5	1	5	6	10	353	145	498
Accidents While at Work	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	3
Vehicular Accidents	0	0	0	0	0	1	1	0	3	4	4	1	6	2	3	6	1	2	2	1	5	0	6	0	7	1	6	1	5	0	1	0	0	1	1	1	51	21	72
Accidents in Other Places	0	0	0	0	1	0	0	0	3	0	4	3	10	4	14	4	26	4	8	2	15	5	10	6	16	1	7	2	5	0	2	1	0	2	0	6	121	40	161
Homicides	1	1	1	1	0	0	1	0	13	5	42	2	27	8	18	2	11	4	9	2	8	2	4	3	7	2	2	3	6	0	0	1	0	0	0	1	150	37	187
Suicides	0	0	0	0	0	0	0	0	5	0	6	2	15	2	8	2	9	4	9	2	8	2	11	3	20	5	7	3	9	2	4	1	4	1	11	1	126	30	156
Natural Causes	4	3	0	2	0	0	1	1	3	1	3	2	3	1	11	3	13	6	11	6	28	12	35	14	64	11	42	13	24	16	15	5	5	3	9	9	271	108	379
Undetermined Causes	6	4	0	0	0	0	0	0	0	0	1	0	2	0	0	0	1	2	0	1	1	0	0	1	1	0	0	1	2	0	0	0	0	0	0	1	14	10	24
No Manner Issued*	4	6	0	0	0	0	0	0	0	0	0	0	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	6	10
Total	**19**	**19**	**3**	**4**	**1**	**1**	**3**	**1**	**32**	**11**	**84**	**19**	**104**	**26**	**91**	**29**	**93**	**37**	**73**	**24**	**98**	**36**	**115**	**45**	**145**	**32**	**100**	**37**	**69**	**22**	**26**	**13**	**10**	**12**	**27**	**29**	**1,093**	**397**	**1,490**

***Gender is unknown for 1 No Manner Issued case.**

GEOGRAPHICAL LOCATION - ALL FATALITIES SUMMARY

TABLE 6A

	Violent Deaths												
	Accidents					Other Violence			Other Deaths				
Cities	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
Cleveland	454	5	108	227	794	164	73	237	470	19	14	503	1,534
Bay Village	4	0	0	4	8	0	1	1	2	0	0	2	11
Beachwood	13	0	2	20	35	1	3	4	17	2	0	19	58
Bedford	12	0	2	11	25	3	1	4	24	1	0	25	54
Bedford Heights	0	0	0	0	0	0	0	0	2	0	0	2	2
Berea	5	0	0	3	8	0	2	2	9	0	0	9	19
Brecksville	6	0	2	2	10	0	3	3	2	0	0	2	15
Broadview Heights	4	0	0	1	5	0	1	1	3	0	0	3	9
Brooklyn	8	0	0	0	8	1	0	1	7	0	0	7	16
Brook Park	7	0	0	0	7	0	2	2	6	0	0	6	15
Cleveland Heights	10	0	0	1	11	1	3	4	13	0	0	13	28
East Cleveland	6	0	0	5	11	4	1	5	22	0	0	22	38
Euclid	30	0	0	12	42	1	8	9	46	2	0	48	99
Fairview Park	1	0	0	0	1	1	2	3	9	0	0	9	13
Garfield Heights	27	0	1	15	43	5	2	7	34	0	0	34	84
Highland Heights	2	0	0	0	2	0	1	1	3	0	0	3	6
Independence	0	0	0	0	0	0	1	1	2	0	0	2	3
Lakewood	26	0	0	6	32	0	7	7	35	1	0	36	75
Lyndhurst	1	0	0	0	1	0	2	2	0	0	0	0	3
Maple Heights	4	0	1	0	5	0	2	2	16	0	0	16	23
Mayfield Heights	36	0	7	15	58	1	7	8	30	1	1	32	98
Middleburg Heights	29	0	3	14	46	1	8	9	30	0	0	30	85
North Olmsted	8	0	0	4	12	0	5	5	9	0	0	9	26
North Royalton	8	0	0	3	11	0	4	4	12	0	0	12	27
Olmsted Falls	3	0	1	1	5	0	2	2	6	0	0	6	13
Parma	75	0	1	33	109	1	11	12	67	2	0	69	190

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

	Violent Deaths								Other Deaths				
	Accidents					Other Violence							
Cities	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
Parma Heights	5	0	0	1	6	0	1	1	9	1	0	10	17
Pepper Pike	0	0	0	0	0	0	0	0	0	0	0	0	0
Richmond Heights	7	0	2	7	16	0	0	0	13	0	0	13	29
Rocky River	2	0	0	5	7	0	4	4	9	0	0	9	20
Seven Hills	2	0	0	1	3	0	2	2	6	0	0	6	11
Shaker Heights	2	0	0	1	3	0	2	2	5	0	0	5	10
Solon	3	0	1	2	6	0	1	1	5	0	0	5	12
South Euclid	4	0	0	0	4	0	0	0	5	0	0	5	9
Strongsville	15	0	0	11	26	0	1	1	14	0	0	14	41
University Heights	0	0	0	0	0	0	0	0	2	0	0	2	2
Warrensville Heights	5	0	2	4	11	1	3	4	17	0	0	17	32
Westlake	47	0	3	41	91	1	3	4	28	0	0	28	123
Total	871	5	136	450	1,462	186	169	355	989	29	15	1,033	2,850

TABLE 6B GEOGRAPHICAL LOCATION - ALL FATALITIES SUMMARY

VILLAGES: Bentleyville	0	0	0	0	0	0	0	0	0	0	0	0	0
Bratenahl	1	0	1	0	2	0	0	0	0	0	0	0	2
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	1	0	0	1	1
Gates Mills	0	0	1	0	1	0	0	0	1	0	0	1	2
Glenwillow	1	0	0	2	3	0	0	0	0	0	0	0	3
Highland Hills	0	0	0	0	0	0	0	0	1	0	0	1	1
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

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	3	0	0	0	3	0	0	0	2	0	0	2	5
Moreland Hills	0	0	0	0	0	0	0	0	1	0	0	1	1
Newburgh Heights	1	0	0	0	1	0	0	0	6	0	0	6	7
North Randall	0	0	0	2	2	1	0	1	1	0	0	1	4
Oakwood Village	0	0	1	0	1	0	0	0	0	0	0	0	1
Orange Village	0	0	0	0	0	0	3	3	1	0	0	1	4
Walton Hills	1	0	0	0	1	0	0	0	1	0	0	1	2
Woodmere	1	0	0	0	1	0	0	0	1	0	0	1	2
TOWNSHIPS: Chagrin Falls	2	0	0	2	4	2	0	2	0	0	0	0	6
Olmsted Township	4	0	0	2	6	0	2	2	4	0	0	4	12
Total	**14**	**0**	**3**	**8**	**25**	**3**	**5**	**8**	**20**	**0**	**0**	**20**	**53**

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	871	5	136	450	1,462	186	169	355	989	29	15	1,033	2,850
Villages	8	0	3	4	15	1	3	4	16	0	0	16	35
Townships	6	0	0	4	10	2	2	4	4	0	0	4	18
Out of County	129	0	43	47	219	6	14	20	0	1	0	1	240
Total	**1,014**	**5**	**182**	**505**	**1,706**	**195**	**188**	**383**	**1,009**	**30**	**15**	**1,054**	**3,143**

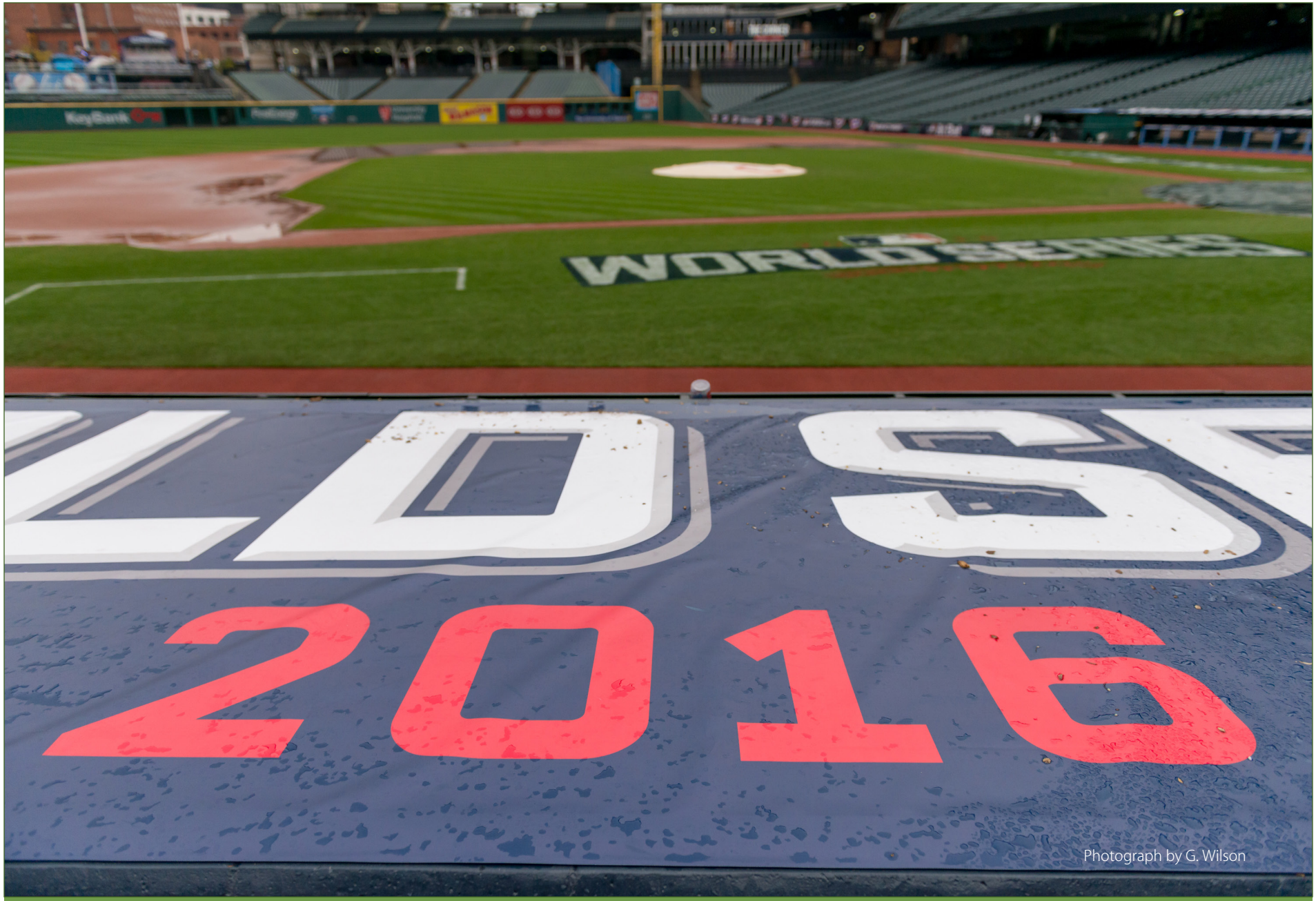
TABLE 8 ACCIDENT FATALITIES BY MONTH

Month	Home Accidents							Work Accidents							Vehicular Accidents							Other Accidents							Totals						
	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	33	28	3	2	7	2	75	0	0	0	0	0	0	0	2	3	0	0	4	0	9	8	16	1	1	5	7	38	43	47	4	3	16	9	122
February	18	34	3	1	14	1	71	0	0	0	0	0	0	0	10	1	1	0	5	0	17	3	11	2	1	5	3	25	31	46	6	2	24	4	113
March	28	42	0	1	13	0	84	0	0	0	0	0	0	0	3	1	0	0	0	0	4	7	8	1	0	4	11	31	38	51	1	1	17	11	119
April	27	29	2	1	8	1	68	0	0	0	0	0	0	0	7	2	1	0	3	0	13	8	12	1	1	1	17	40	42	43	4	2	12	18	121
May	23	33	1	3	12	0	72	0	0	0	0	0	0	0	1	1	0	0	4	0	6	7	9	0	0	2	16	34	31	43	1	3	18	16	112
June	21	30	1	0	8	0	60	0	0	0	0	0	0	0	4	2	2	0	3	1	12	9	10	0	1	2	10	32	34	42	3	1	13	11	104
July	26	33	0	1	6	0	66	0	0	1	0	0	0	1	5	2	1	1	6	0	15	12	12	1	0	7	9	41	43	47	3	2	19	9	123
August	25	24	1	0	13	0	63	1	0	0	0	0	0	1	5	8	0	0	7	0	20	13	22	0	2	8	10	55	44	54	1	2	28	10	139
September	37	37	0	1	13	0	88	0	0	0	0	0	0	0	4	6	0	0	3	0	13	6	14	0	0	3	9	32	47	57	0	1	19	9	133
October	28	38	0	0	12	0	78	0	1	1	0	0	0	2	6	4	0	0	3	0	13	14	14	1	0	3	14	46	48	57	2	0	18	14	139
November	30	33	2	1	12	0	78	1	0	0	0	0	0	1	5	2	0	0	3	0	10	9	18	0	1	3	9	40	45	53	2	2	18	9	129
December	33	35	2	1	11	0	82	0	0	0	0	0	0	0	3	2	0	0	2	0	7	11	15	2	0	4	12	44	47	52	4	1	17	12	133
Total	**329**	**396**	**15**	**12**	**129**	**4**	**885**	**2**	**1**	**2**	**0**	**0**	**0**	**5**	**55**	**34**	**5**	**1**	**43**	**1**	**139**	**107**	**161**	**9**	**7**	**47**	**127**	**458**	**493**	**592**	**31**	**20**	**219**	**132**	**1,487**

HOMICIDE AND SUICIDE FATALITIES BY MONTH

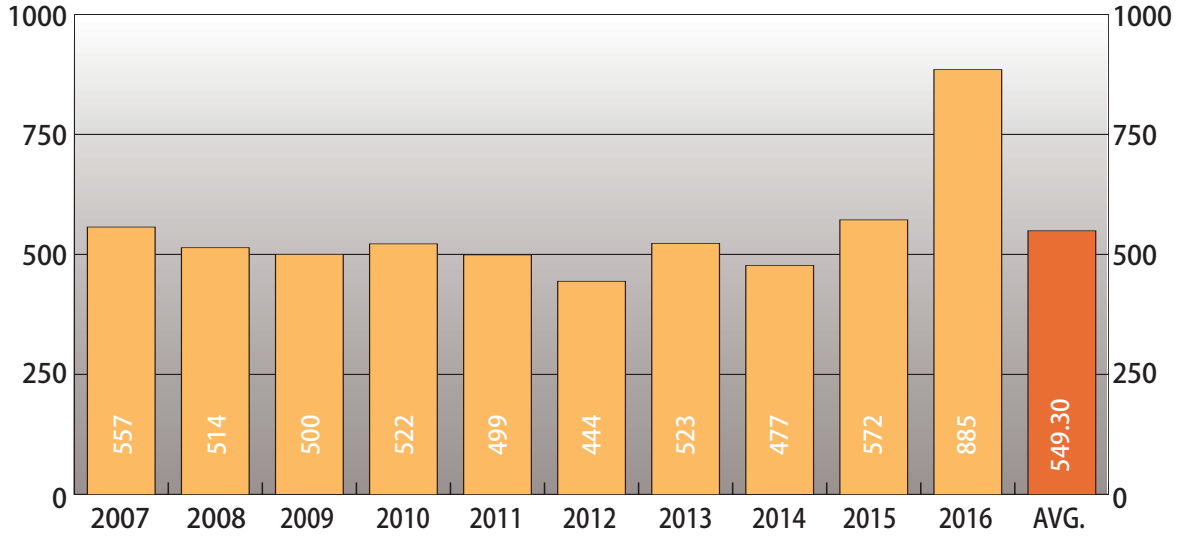
TABLE 9

Month	Homicide							Suicide							Totals						
	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	10	1	0	0	0	1	12	5	5	0	0	0	0	10	15	6	0	0	0	1	22
February	6	6	0	0	0	1	13	6	9	0	0	2	0	17	12	15	0	0	2	1	30
March	6	2	0	2	0	1	11	4	10	0	0	1	0	15	10	12	0	2	1	1	26
April	9	3	0	0	1	0	13	5	7	0	0	3	0	15	14	10	0	0	4	0	28
May	10	3	0	0	0	0	13	2	9	1	0	1	0	13	12	12	1	0	1	0	26
June	8	1	0	0	0	1	10	3	9	1	1	0	0	14	11	10	1	1	0	1	24
July	14	1	0	0	1	0	16	5	10	0	0	0	0	15	19	11	0	0	1	0	31
August	15	4	0	0	0	0	19	3	8	0	1	2	0	14	18	12	0	1	2	0	33
September	16	2	0	0	1	0	19	2	14	0	0	1	0	17	18	16	0	0	2	0	36
October	17	6	0	0	1	2	26	9	6	0	0	1	0	16	26	12	0	0	2	2	42
November	18	2	0	0	0	0	20	8	8	0	0	3	0	19	26	10	0	0	3	0	39
December	15	0	0	0	2	0	17	2	6	1	0	0	0	9	17	6	1	0	2	0	26
Total	**144**	**31**	**0**	**2**	**6**	**6**	**189**	**54**	**101**	**3**	**2**	**14**	**0**	**174**	**198**	**132**	**3**	**4**	**20**	**6**	**363**



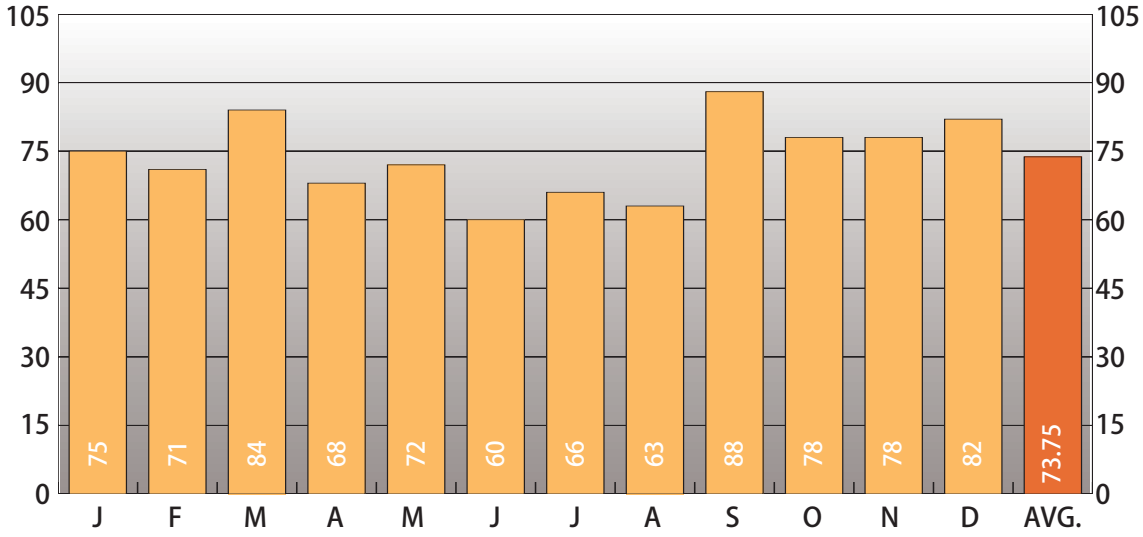
Photograph by G. Wilson

2016 FATALITIES RESULTING FROM ACCIDENTS IN THE HOME
FOR A PERIOD OF TEN YEARS



2016
TOTAL CASES
885

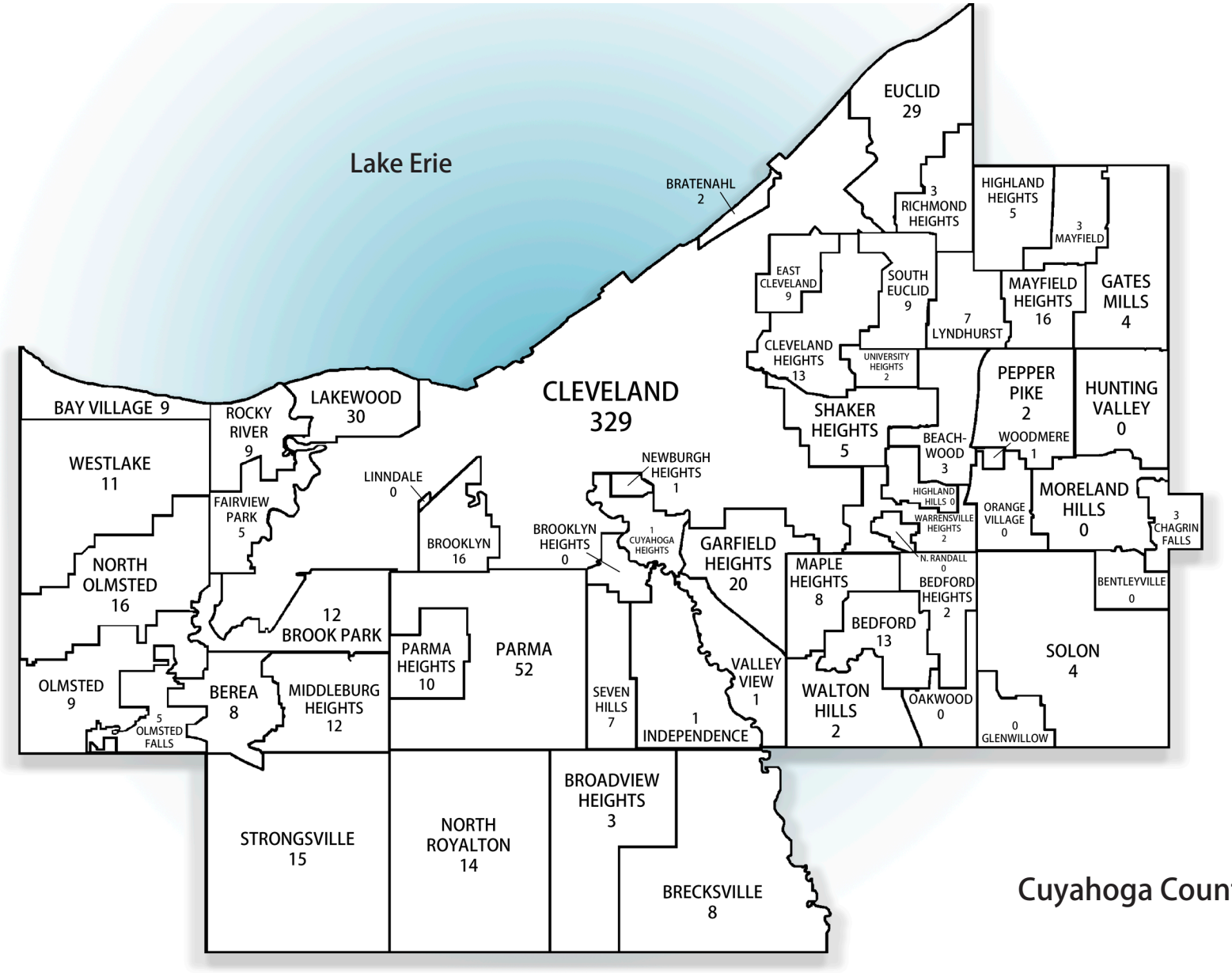
2014 FATALITIES RESULTING FROM ACCIDENTS IN THE HOME
BY MONTH FOR THE YEAR 2016



		Number	Percent
Gender	Male	555	62.71
	Female	330	37.29
Race	White	743	83.95
	Black	136	15.37
	American Indian or Alaskan Native	1	0.11
	Asian	2	0.23
	Asian Indian	3	0.34
Ethnicity	Hispanic	24	2.71
	Non-Hispanic	861	97.29
Ethanol	Tested	550	62.15
	Positive	162	18.42
Autopsied		498	56.27

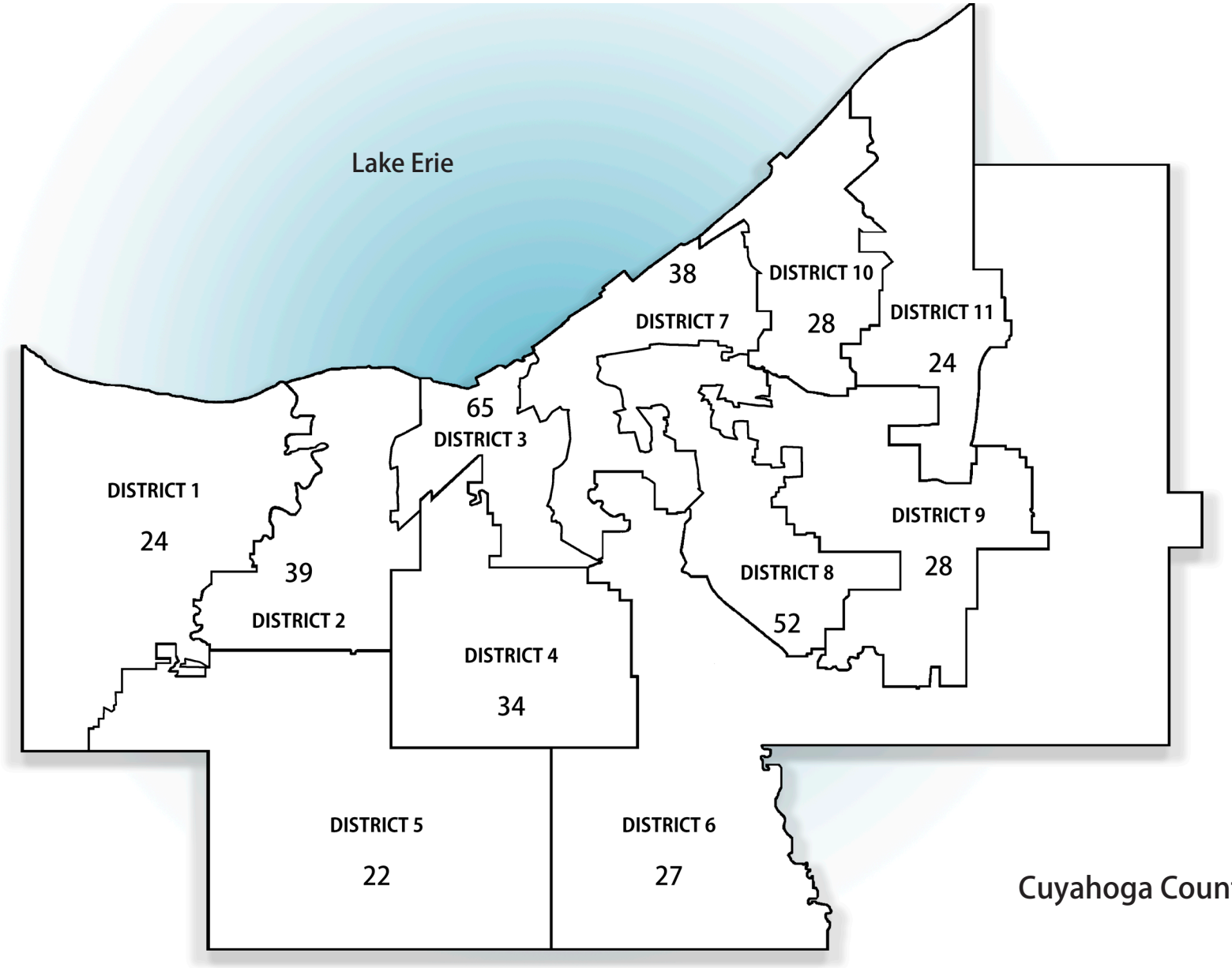
MAP 2A

DISTRIBUTION OF FATALITIES FROM ACCIDENTS IN THE HOME BY CITY*



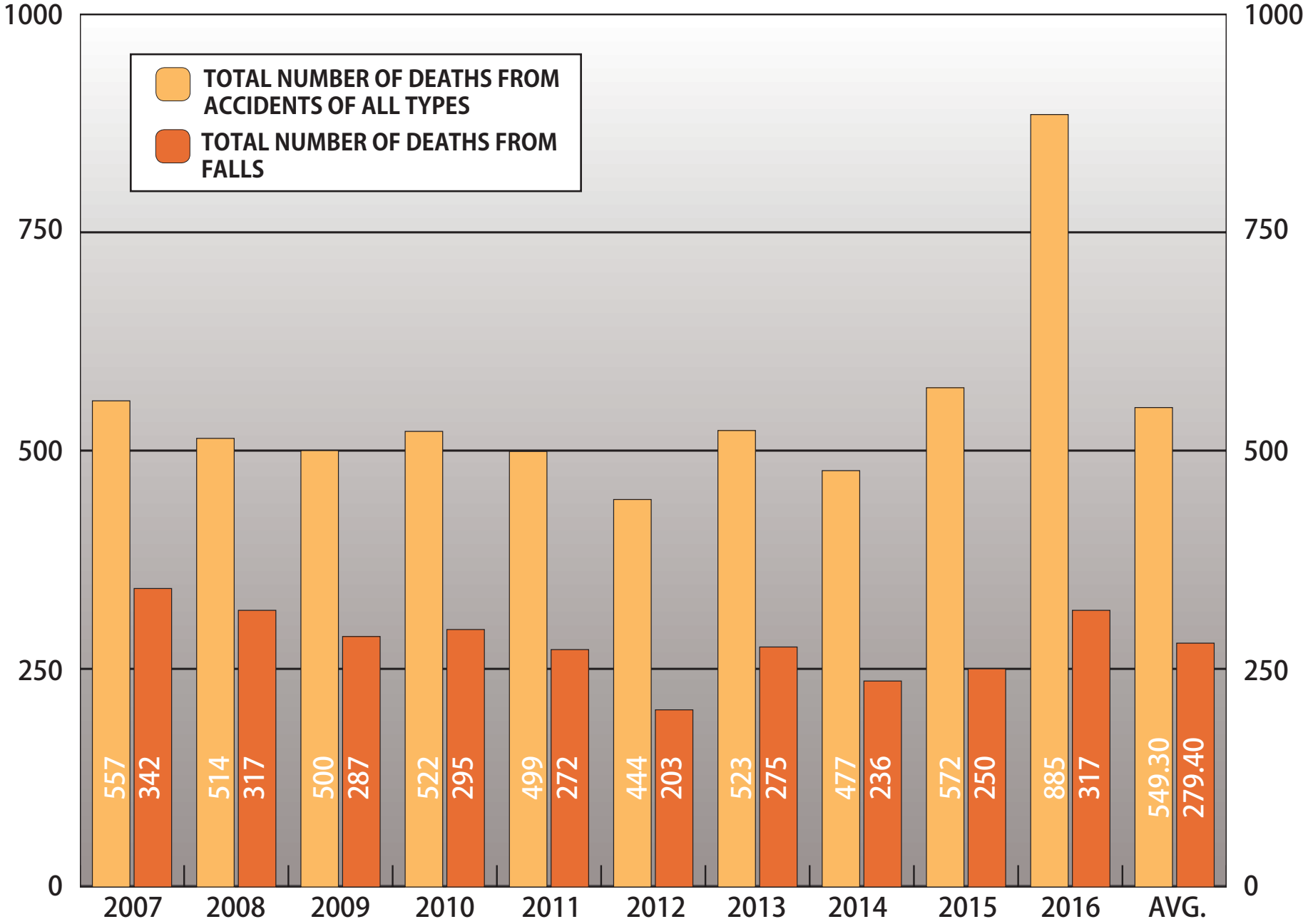
*Injury location is unknown for 4 cases and 130 cases are from outside of Cuyahoga County.

DISTRIBUTION OF FATALITIES FROM ACCIDENTS IN THE HOME BY COUNCIL DISTRICT* MAP 2B



*Injury location is unknown for 4 cases and 130 cases are from outside of Cuyahoga County. Council district was undetermined and/or not analyzed for 370 cases.

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



MONTHLY ETHANOL INCIDENCE

TABLE 10

		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.	75	47	28	22	11	20	13	4	3	1	1	20	16	27	12	20	11	7	1	3	0	2	0	1	1	0	0	1	0	0	0	0	0
Feb.	71	42	29	12	6	21	17	8	6	1	0	17	16	25	13	16	10	9	3	3	0	3	1	2	0	1	0	0	1	0	0	0	1
Mar.	84	55	29	25	3	23	20	7	6	0	0	14	15	41	14	26	13	15	1	4	1	2	0	5	0	1	0	2	0	1	0	0	0
Apr.	68	40	28	17	10	17	15	5	3	1	0	12	13	28	15	13	13	15	2	2	2	4	0	3	0	2	0	2	0	0	0	2	0
May	72	37	35	13	10	16	21	8	4	0	0	8	16	29	19	24	14	5	5	3	3	0	0	1	1	0	0	0	0	0	1	1	0
Jun.	60	34	26	13	8	18	13	3	5	0	0	11	11	23	15	12	13	11	2	0	1	3	0	2	1	2	0	2	0	1	0	1	0
July	66	41	25	16	10	21	13	4	2	0	0	10	11	31	14	23	8	8	6	3	4	1	1	2	0	1	1	1	0	0	0	0	0
Aug.	63	46	17	19	6	18	7	9	4	0	0	12	7	34	10	25	9	9	1	5	0	0	0	2	0	1	1	1	0	0	0	0	0
Sept.	88	57	31	27	10	22	16	8	5	0	0	17	16	40	15	30	14	10	1	5	1	2	0	1	0	2	0	0	0	0	0	0	0
Oct.	78	48	30	18	10	23	15	7	5	0	0	17	13	31	17	19	12	12	5	4	2	3	1	4	0	0	1	1	1	0	0	0	0
Nov.	78	55	23	22	8	26	10	7	5	0	0	12	15	43	8	29	5	14	3	3	1	5	2	0	0	5	0	1	0	0	0	0	0
Dec.	82	53	29	26	7	20	18	7	4	0	0	18	18	35	11	21	8	14	3	5	0	3	0	2	1	3	0	0	1	1	0	0	1
Total	**885**	**555**	**330**	**230**	**99**	**245**	**178**	**77**	**52**	**3**	**1**	**168**	**167**	**387**	**163**	**258**	**130**	**129**	**33**	**40**	**15**	**28**	**5**	**25**	**4**	**18**	**3**	**11**	**3**	**3**	**1**	**4**	**2**

TABLE 11

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
< 1 Year	White	4	1	3	0	0	1	3	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	6	0	6	2	0	1	3	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	American Indian or Alaskan Native	0	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
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	2	0	2	1	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	American Indian or Alaskan Native	0	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
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	American Indian or Alaskan Native	0	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	1	1	0	0	1	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
	American Indian or Alaskan Native	0	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	5	0	5	0	0	4	1	4	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	Black	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
	American Indian or Alaskan Native	0	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	39	0	39	1	3	26	9	23	9	3	0	0	0	1	0	2	0	0	0	0	0	0	0	0	0
	Black	2	0	2	0	0	1	1	1	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0
	American Indian or Alaskan Native	0	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
25 - 29	White	45	1	44	0	1	36	8	29	8	7	0	3	0	1	0	1	0	2	0	0	0	0	0	0	0
	Black	7	1	6	0	0	5	2	3	2	2	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0
	American Indian or Alaskan Native	0	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	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
30 - 24	White	52	2	50	0	0	39	13	28	13	11	0	2	0	2	0	3	0	2	0	1	0	0	0	1	0
	Black	2	0	2	0	0	1	1	0	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
	American Indian or Alaskan Native	0	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

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	50	1	49	1	2	32	15	21	13	11	2	4	1	1	0	1	0	4	0	1	0	0	0	0	1
	Black	5	0	5	0	0	3	2	1	2	2	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0
	American Indian or Alaskan Native	0	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
40 - 44	White	45	4	41	2	1	32	10	23	3	9	7	2	4	2	1	1	1	1	1	1	0	2	0	0	0
	Black	4	0	4	0	0	2	2	1	1	1	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0
	American Indian or Alaskan Native	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
45 - 49	White	45	2	43	0	3	27	15	12	12	15	3	4	1	4	1	4	0	2	1	1	0	0	0	0	0
	Black	10	0	10	1	0	8	1	3	1	5	0	3	0	2	0	0	0	0	0	0	0	0	0	0	0
	American Indian or Alaskan Native	0	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
50 - 54	White	68	4	64	8	1	44	15	27	10	17	5	6	2	2	2	2	0	2	0	3	1	1	0	1	0
	Black	14	0	14	0	0	9	5	5	3	4	2	1	0	1	1	1	1	0	0	1	0	0	0	0	0
	American Indian or Alaskan Native	0	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
55 - 59	White	52	1	51	11	6	25	10	13	9	12	1	3	0	4	0	2	1	3	0	0	0	0	0	0	0
	Black	17	0	17	2	0	10	5	7	3	3	2	3	1	0	0	0	1	0	0	0	0	0	0	0	0
	American Indian or Alaskan Native	0	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
60 - 64	White	45	1	44	6	3	29	7	17	5	12	2	4	0	2	0	4	0	1	0	0	0	0	1	1	1
	Black	22	0	22	3	0	12	7	6	5	6	2	2	2	2	0	1	0	0	0	1	0	0	0	0	0
	American Indian or Alaskan Native	0	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
65 - 69	White	41	1	40	10	17	12	2	8	2	4	0	2	0	0	0	0	0	0	0	2	0	0	0	0	0
	Black	15	0	15	1	0	10	4	7	1	3	3	0	1	3	0	0	0	0	0	0	2	0	0	0	0
	American Indian or Alaskan Native	0	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	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
70 - 74	White	31	0	31	14	9	3	5	3	4	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	Black	5	0	5	1	1	2	1	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
	American Indian or Alaskan Native	0	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

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	36	1	35	15	19	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	3	0	3	1	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	American Indian or Alaskan Native	0	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	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
80 and Over	White	183	1	182	76	91	8	8	8	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	20	1	19	10	7	1	2	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	American Indian or Alaskan Native	0	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	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
Total	White	743	22	721	144	157	319	123	218	101	101	22	30	10	19	4	20	2	17	2	9	1	3	1	3	2
	Black	136	2	134	23	8	67	38	39	27	28	11	10	5	9	1	5	2	1	1	2	2	0	0	1	0
	American Indian or Alaskan Native	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	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
	Asian Indian	3	0	3	1	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total		**885**	**24**	**861**	**168**	**167**	**387**	**163**	**258**	**130**	**129**	**33**	**40**	**15**	**28**	**5**	**25**	**4**	**18**	**3**	**11**	**3**	**3**	**1**	**4**	**2**

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	26	16	10	7	6	6	3	3	1	0	0	7	2	9	8	9	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Burning	4	3	1	2	0	1	0	0	1	0	0	2	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carbon Monoxide	16	7	9	6	5	1	3	0	1	0	0	0	1	7	8	3	4	4	4	0	0	0	0	0	1	2	1	1	1	1	0	1	1
Exposure	5	4	1	2	0	2	1	0	0	0	0	2	0	2	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Falling	317	155	162	26	21	75	102	54	39	0	0	132	147	23	15	17	14	6	1	2	1	1	0	0	0	0	0	0	0	0	0	1	0
Miscellaneous	14	10	4	4	0	3	2	2	2	1	0	6	1	4	3	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Poisoning	485	348	137	179	66	152	64	16	6	1	1	11	10	337	127	220	99	117	28	37	14	27	5	25	3	15	2	2	2	2	1	2	1
Undetermined	18	12	6	4	1	5	3	2	2	1	0	8	5	4	1	3	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Total	**885**	**555**	**330**	**230**	**99**	**245**	**178**	**77**	**52**	**3**	**1**	**168**	**167**	**387**	**163**	**258**	**130**	**129**	**33**	**40**	**15**	**28**	**5**	**25**	**4**	**18**	**3**	**3**	**3**	**3**	**1**	**4**	**2**

TABLE 13

MODE* - 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
Asphyxia:																															
Aspiration of Foreign Object	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
Bolus of Food	9	6	3	2	0	1	2	3	1	0	0	4	2	2	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Drowning	5	3	2	2	2	1	0	0	0	0	0	1	0	2	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hanging	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
Positional	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
Strangulation (manual and ligature)	1	1	0	0	0	1	0	0	0	0	0	0	0	1	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Suffocation	7	4	3	3	3	1	0	0	0	0	0	2	0	2	0	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**26**	**16**	**10**	**7**	**6**	**6**	**3**	**3**	**1**	**0**	**0**	**7**	**2**	**9**	**8**	**9**	**8**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Burning:																															
Fire/Explosion	4	3	1	2	0	1	0	0	1	0	0	2	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**4**	**3**	**1**	**2**	**0**	**1**	**0**	**0**	**1**	**0**	**0**	**2**	**1**	**1**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Carbom Monoxide:																															
Smoke	16	7	9	6	5	1	3	0	1	0	0	0	1	7	8	3	4	4	4	0	0	0	0	0	1	2	1	1	0	1	0	1	1
Total	**16**	**7**	**9**	**6**	**5**	**1**	**3**	**0**	**1**	**0**	**0**	**0**	**1**	**7**	**8**	**3**	**4**	**4**	**4**	**0**	**0**	**0**	**0**	**0**	**1**	**2**	**1**	**1**	**0**	**1**	**0**	**1**	**1**
Exposure:																															
Cold	5	4	1	2	0	2	1	0	0	0	0	2	0	2	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**5**	**4**	**1**	**2**	**0**	**2**	**1**	**0**	**0**	**0**	**0**	**2**	**0**	**2**	**1**	**1**	**1**	**1**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

MODE - ETHANOL INCIDENCE

TABLE 14

		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
Single Chemical Agent:																																	
3-Methylfentanyl	3	2	1	1	1	1	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
5F-ADB (5F-MDMB-PINACA)	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	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
Baclofen	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	4	4	0	2	0	2	0	0	0	0	0	0	0	4	0	3	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Cocaine	25	17	8	11	5	5	2	1	1	0	0	1	1	16	7	14	5	2	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0
Ethanol	1	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	0
Fentanyl	27	22	5	9	0	12	5	1	0	0	0	0	0	22	5	20	5	2	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0
Heroin	23	19	4	11	2	8	1	0	1	0	0	0	1	19	3	14	3	5	0	3	0	1	0	0	0	1	0	0	0	0	0	0	0
Hydrocodone	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
Methadone	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
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
Methanol	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
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
Opiate	3	1	2	1	1	0	1	0	0	0	0	0	2	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oxycodone	3	1	2	0	1	1	1	0	0	0	0	1	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sertraline	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: 3-Methylfentanyl, Buprenorphine, Carfentanil, Cocaine, Fentanyl, Mirtazapine, Nortriptyline	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
3-Methylfentanyl, Cocaine	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, Heroin, U-47700	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
3-Methylfentanyl, Hydrocodone	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
4-ANPP (Despropionylfentanyl), Furanyl-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, Alprazolam, Carfentanil, Fentanyl, Heroin	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
Acetyl Fentanyl, Alprazolam, Cocaine, Fentanyl, 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
Acetyl Fentanyl, Alprazolam, 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
Acetyl Fentanyl, Alprazolam, Fentanyl, Heroin	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, Carfentanil, 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
Acetyl Fentanyl, Cocaine, Fentanyl	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)

		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
Acetyl Fentanyl, Cocaine, Fentanyl, Heroin	3	1	2	0	2	1	0	0	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
Acetyl Fentanyl, Cocaine, Fentanyl, Hydrocodone, Methamphetamine	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, Cyclobenzaprine, Fentanyl, Hydrocodone, 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, Despropionyl-Fentanyl (4-ANPP), Furanyl-Fentanyl	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	5	4	1	1	0	2	0	1	1	0	0	0	0	4	1	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acetyl Fentanyl, Fentanyl, Heroin	6	5	1	3	1	2	0	0	0	0	0	0	0	5	1	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acetyl 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
Acrylfentanyl, Cyclobenzaprine, Diazepam, Temazepam	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
Acrylfentanyl, Heroin, 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
Alprazolam, Buprenorphine	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, 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, Buproprion, Diphenhydramine, Topiramate, 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, Carfentanil, Citalopram, Fentanyl, Gabapentin	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, Carfentanil, Mitragynine, 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
Alprazolam, Clonazepam, Diazepam	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, Clonazepam, Hydroxyzine, Methadone, Promethazine	1	0	1	0	1	1	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, Dextromethorphan, Diazepam, Doxylamine, Fentanyl, Heroin, 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, 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
Alprazolam, Cocaine, Fentanyl, Heroin	3	1	2	0	2	1	0	0	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
Alprazolam, Cocaine, 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
Alprazolam, Cocaine, Heroin, 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, Methadone	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, Diazepam, 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
Alprazolam, Diazepam, Heroin, Hydrocodone	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

MODE - ETHANOL INCIDENCE (continued)

TABLE 14

		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
Alprazolam, Diphenhydramine, Fentanyl, Fluoxetine, 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
Alprazolam, Diphenhydramine, Fentanyl, Heroin, 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
Alprazolam, Diphenhydramine, Heroin	2	1	1	0	0	1	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
Alprazolam, Diphenhydramine, 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, 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
Alprazolam, Fentanyl, Heroin	3	1	2	1	0	0	2	0	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
Alprazolam, Fentanyl, Heroin, Promethazine	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, 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
Alprazolam, 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, Heroin, Trazodone	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, Heroin, 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
Alprazolam, Oxycodone	2	1	1	0	1	0	0	1	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
Alprazolam, Tramadol	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
Amitriptyline, Clonazepam, Cocaine	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, 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
Amphetamine, Fentanyl, 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
Amphetamine, Heroin, Pseudoephedrine	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
Barbiturates, Cocaine, Opiates	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
Benzodiazapines, 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
Benzodiazepine, Cocaine, 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
Benzodiazepine, Dextromethorphane, Diphenhdramine, Doxylamine	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, Opiates	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
Benzodiazepines, Heroin, Opiates	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
Butalbital, Doxepin, Oxycodone, Quetiapine, Topiramate	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
Butalbital, 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
Carfentanil, Citalopram, Cocaine, Fentanyl	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, Citalopram, Cocaine, Heroin, Oxycodone, Trazodone	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)

		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
Carfentanil, Clonazepam, 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
Carfentanil, 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
Carfentanil, Cocaine, Fentanyl	2	1	1	0	1	1	0	0	0	0	0	0	0	1	1	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Carfentanil, Cocaine, 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
Carfentanil, Cocaine, 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
Carfentanil, Cocaine, 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
Carfentanil, Cocaine, Heroin	3	2	1	1	1	1	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
Carfentanil, Cyclobenzaprine, Fentanyl	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, Diazepam	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, Diphenhydramine, 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
Carfentanil, Fentanyl	5	4	1	1	0	3	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
Carfentanil, Fentanyl, Heroin	2	2	0	1	0	1	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, 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, Methadone, Mirtazapine, Trazodone	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
Carfentil, 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
Carisoprodol, Cocaine, Diphenhydramine, Fentanyl, Quetiapine	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, Cocaine, Fentanyl, 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
Citalopram, Methadone	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
Clonazepam, Cocaine, 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
Clonopin, Heroin, Temazepam	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, Diazepam, Diphenhydramine, 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
Cocaine, Diazepam, Fentanyl	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
Cocaine, Diazepam, Fentanyl, Gabapentin	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, Diazepam, Heroin, Phenobarbital	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, Diazepam, Oxycodone	2	1	1	0	1	1	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
Cocaine, Diphenhydramine, 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
Cocaine, Diphenhydramine, 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
Cocaine, Diphenhydramine, 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
Cocaine, Fentanyl	17	12	5	12	1	0	2	0	2	0	0	0	1	12	4	12	2	0	2	0	1	0	1	0	0	0	0	0	0	0	0	0	0

MODE - ETHANOL INCIDENCE (continued)

TABLE 14

		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
Cocaine, Fentanyl, Heroin	25	16	9	9	6	7	3	0	0	0	0	0	0	16	9	16	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cocaine, Fentanyl, Heroin, 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
Cocaine, Fentanyl, Heroin, Methamphetamine	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, Fentanyl, Heroin, 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
Cocaine, Fentanyl, Marijuana	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, 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
Cocaine, Heroin	11	9	2	5	1	4	1	0	0	0	0	1	0	8	2	7	2	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Cocaine, Heroin, Hydrocodone	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, 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, Opiate	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, 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
Cyclobenzaprine, 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
Cyclobenzaprine, Fentanyl, 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
Diazepam, Diphenhydramine, 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
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
Diazepam, Fentanyl, Heroin, Hydrocodone, 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
Diazepam, Fentanyl, 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
Diazepam, Fentanyl, Heroin, Venlafaxine	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
Diazepam, Heroin	2	2	0	1	0	1	0	0	0	0	0	1	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Diazepam, Heroin, 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
Diazepam, Heroin, Temazepam	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
Diazepam, Hydrocodone, 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
Diazepam, Hydroxyzine, Methadone, Mirtazapine, Sertraline	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
Diazepam, Lorazepam, Fentanyl	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
Diazepam, Morphine, Oxycodone, Pregabalin	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	2	1	1	0	0	1	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, Fentanyl, Gabapentin, Quetiapine, Trazodone	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	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
Doxepin, 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

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
Doxylamine, Fentanyl, 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
Escitalopram, Fentanyl, Mirtazapine	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, Gabapentin, Oxycodone, Promethazine, Trazodone, Zolpidem	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	45	30	15	13	7	17	8	0	0	0	0	0	0	30	15	23	13	7	2	5	2	1	0	0	0	0	0	1	0	0	0	0	0
Fentanyl, Heroin, Lorazepam, Phenobarbital, Sertraline	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, Heroin, 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
Fentanyl, Heroin, Oxycodone	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
Fentanyl, Heroin, 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
Fentanyl, Oxycodone	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, 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
Gabapentin, Methadone, Pseudoephedrine, 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
Heroin, Hydrocodone	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
Heroin, Methamphetamine, 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
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
Hydromorphone, Morphine	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
Hydromorphone, 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
Methadone, 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
Methadone, Phencyclidine	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
Multiple Unspecified Drugs	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
Oxycodone, Venlafaxine	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
Pseudoephedrine, Fentanyl	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
Combined Effects of Ethanol & Single/Multiple Chemical Agents:																																	
Acetyl Fentanyl, Cocaine, Fentanyl	2	1	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Acetyl Fentanyl, Fentanyl, Heroin	2	2	0	1	1	1	0	0	0	0	0	0	0	2	1	0	0	2	0	0	1	0	0	2	0	0	0	0	0	0	0	0	0
Acrylfentanyl, Cocaine, Heroin, Oxycodone	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
Alprazolam, Carfentanil, Cocaine	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
Alprazolam, Carfentanil, Fentanyl, Heroin	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

MODE - ETHANOL INCIDENCE (continued)

TABLE 14

		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
Alprazolam, Citalopram, Diphenhydramine, Doxylamine	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
Alprazolam, Diphenhydramine, Fentanyl, Heroin, Oxycodone	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
Alprazolam, Fentanyl, Heroin	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
Amphetamine, Clomipramine, Fentanyl	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
Amphetamine, Cocaine, Codeine, Methadone, Paroxetine	1	0	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
Benzodiazepine, 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	1	0	0	0	0	0
Benzodiazepines	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
Benzodiazepines, 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
Benzodiazepines, Heroin, Trazodone	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Buprenorphine, 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
Carfentanil, Cocaine	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, 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
Carfentanil, 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
Chlorofluorocarbon	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
Chlorpheniramine, Heroin	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
Citalopram, Cocaine, Diphenhydramine, 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
Citalopram, Fentanyl, Heroin, Hydrocodone, Mirtazapine	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Cocaine	16	15	1	10	1	4	0	0	0	1	0	1	0	14	1	0	1	14	0	4	0	4	0	1	0	2	0	2	0	0	0	1	0
Cocaine, Dextromethorphan, Doxylamine, 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	0	0	1	0	0
Cocaine, Diazepam, Heroin, Lorazepam	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
Cocaine, Diphenhydramine, Heroin	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	10	9	1	8	0	1	0	0	0	0	0	0	0	9	1	2	0	7	1	1	1	1	0	5	0	0	0	0	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	1	0	1	0	1	0	1	0	0	0	0	0	0	0
Cocaine, Heroin	6	6	0	3	1	3	0	0	0	0	0	0	0	6	0	1	0	5	0	0	0	1	0	2	0	1	0	0	0	0	0	1	0
Cocaine, Hydrocodone	2	2	0	0	0	2	0	0	0	0	0	0	0	2	0	0	0	2	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0
Cocaine, Tramadol, U-47700	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
Cyclobenzaprine, Diazepam, Fentanyl, Heroin	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
Cyclobenzaprine, Fentanyl, Heroin, Sertraline, Tramadol	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
Diazepam, Fentanyl	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

TABLE 14

MODE - ETHANOL INCIDENCE (continued)

		Total		Cleveland		County		Out of County		Un-known		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
Diazepam, 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	1	0	0	0	0	0	0	0
Diazepam, Oxycodone	1	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0
Diphenhydramine, Fentanyl	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
Diphenhydramine, Fentanyl, Heroin	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
Doxylamine, Fentanyl, Tramadol	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
Fentanyl	13	11	2	8	1	3	1	0	0	0	0	0	0	11	2	0	0	11	2	1	0	3	0	2	1	3	0	2	0	0	0	0	1
Fentanyl, Heroin	13	11	2	6	1	4	1	1	0	0	0	0	0	11	2	0	0	11	2	3	0	3	0	1	1	1	0	2	1	1	0	0	0
Fentanyl, Heroin, Phenobarbital	1	1	0	0	0	0	0	1	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
Fentanyl, Heroin, Nordiazepam	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, Hydrocodone	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, Methadone	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
Fentanyl, Nordiazepam	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
Heroin	7	6	1	4	1	1	0	1	0	0	0	0	1	6	0	0	0	6	0	0	0	1	0	2	0	2	0	1	0	0	0	0	0
Heroin, Tramadol	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
Hydrocodone, 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
Methamphetamine	1	1	0	0	0	0	0	1	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
Opiates	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
Oxycodone	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
Unspecified Drug	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
Total	**485**	**348**	**137**	**179**	**66**	**152**	**64**	**16**	**6**	**1**	**1**	**11**	**10**	**337**	**127**	**220**	**99**	**117**	**28**	**37**	**14**	**27**	**5**	**25**	**3**	**15**	**2**	**9**	**2**	**2**	**1**	**2**	**1**

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	
Asphyxia	4	4	0	0	0	0	0	0	3	0	1	0	0	0	0	2	0	0	0	0	0	1	0	0	5	0	0	0	1	2	1	0	0	0	1	1	16	10	26
Burning	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	1	0	0	0	0	1	0	3	1	4
Carbon Monoxide	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	0	1	0	0	0	1	1	0	0	1	1	1	1	0	0	1	2	0	3	7	9	16
Exposure	0	0	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	0	0	2	0	4	1	5
Falling	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	8	2	8	6	8	3	10	15	16	13	18	19	85	102	155	162	317
Miscellaneous	0	1	1	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	1	0	0	0	1	1	1	0	1	0	2	1	1	0	0	0	1	0	10	4	14
Poisoning	0	1	0	1	0	0	0	0	3	1	27	12	39	12	40	12	35	19	34	14	35	16	50	17	30	15	37	12	15	4	2	1	0	0	1	0	348	137	485
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	3	0	2	1	2	0	0	1	0	1	4	3	12	6	18
Total	**4**	**6**	**2**	**1**	**0**	**0**	**0**	**1**	**6**	**1**	**28**	**13**	**41**	**12**	**40**	**14**	**36**	**19**	**36**	**14**	**36**	**19**	**61**	**21**	**48**	**21**	**50**	**17**	**33**	**24**	**20**	**16**	**19**	**22**	**95**	**109**	**555**	**330**	**885**

TABLE 16 FALLS - ETHANOL INCIDENCE

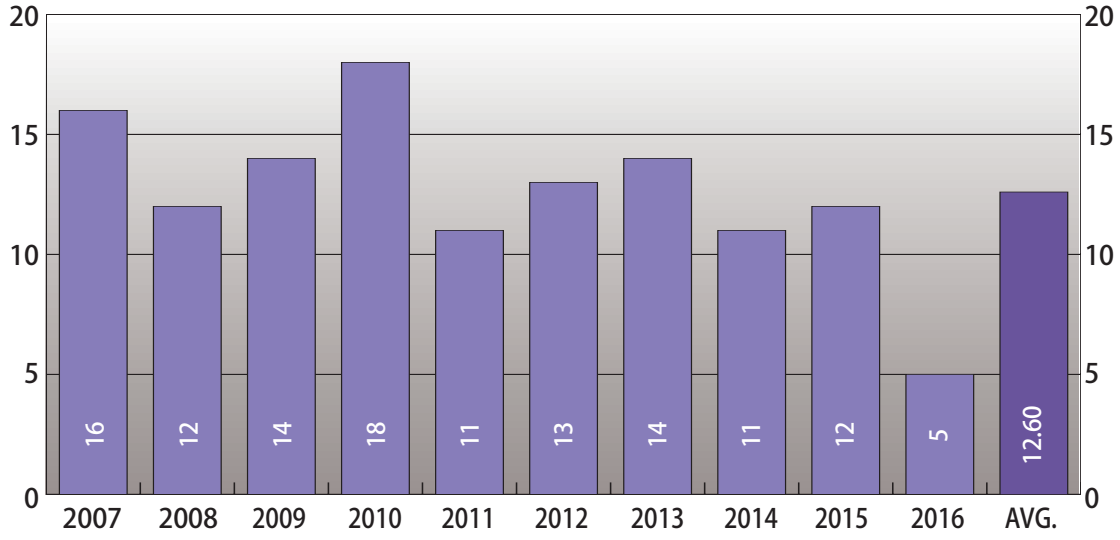
		Total		Not Tested		Tested						Stages													
						Total		Negative		Positive		0.01% - 0.04%		0.05% - 0.08%		0.09% - 0.14%		0.15% - 0.19%		0.20% - 0.24%		0.25% - 0.29%		0.30% or Over	
Falls by Code	**Total**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**
E880 - Fall On or From Stairs or Steps	45	28	17	19	10	9	7	7	6	2	1	0	1	0	0	0	0	0	0	2	0	0	0	0	0
E881 - Fall On or From Ladder or Scaffolding	4	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E882 - Fall From Building or Other Structure Balcony	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
Window	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E884 - Fall From One Level to Another Bed	4	0	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chair	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Commode	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
Wheelchair	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
E885 - Fall On Same Level	248	114	134	103	127	11	7	8	7	3	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0
E888 - Unspecified Fall	9	5	4	3	3	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Total	**317**	**155**	**162**	**132**	**147**	**23**	**15**	**17**	**14**	**6**	**1**	**2**	**1**	**1**	**0**	**0**	**0**	**0**	**0**	**2**	**0**	**0**	**0**	**1**	**0**

FALLS - AGE GROUPS

TABLE 17

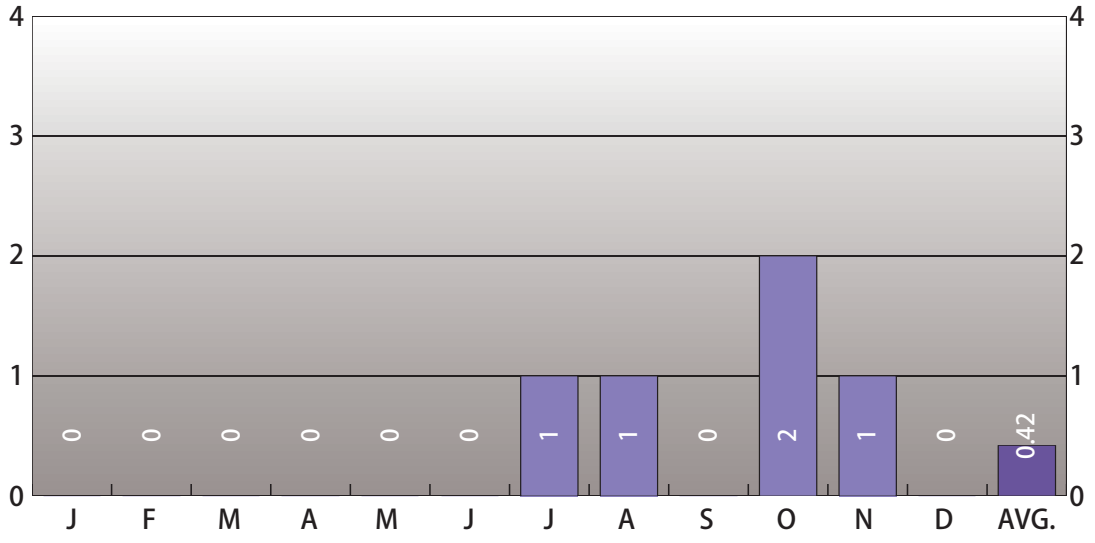
Falls by Code	< Than 1		1-4		5-9		10-14		15-19		20-24		25-29		30-34		35-39		40-44		45-49		50-54		55-59		60-64		65-69		70-74		75-79		80 and Over		Total		Grand Total
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
E880 - Fall On or From Stairs or Steps	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	3	1	2	1	3	2	3	4	3	2	12	5	28	17	45
E881 - 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	0	0	0	0	1	0	0	0	0	0	1	0	1	0	1	0	4	0	4
E882 - Fall From Building or Other Structure Balcony	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	0	1
Window	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	1	1	1	2
E884 - Fall From One Level to Another Bed	0	0	0	0	0	0	0	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	3	0	4	4
Chair	0	0	0	0	0	0	0	0	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	1	1	1	2
Commode	0	0	0	0	0	0	0	0	0	0	0	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	1
Wheelchair	0	0	0	0	0	0	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
E885 - Fall On Same Level	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	4	1	3	4	6	2	6	12	12	8	12	17	70	89	114	134	248
E888 - Unspecified Fall	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	1	0	0	1	1	0	0	0	0	2	2	5	4	9
Total	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**2**	**8**	**2**	**8**	**6**	**8**	**3**	**10**	**15**	**16**	**13**	**18**	**19**	**85**	**102**	**155**	**162**	**317**

2016 FATALITIES RESULTING FROM ACCIDENTS WHILE AT WORK
FOR A PERIOD OF TEN YEARS



2016
TOTAL CASES
5

2015 FATALITIES RESULTING FROM ACCIDENTS WHILE AT WORK
BY MONTH FOR THE YEAR 2016



		Number	Percent
Gender	Male	5	100.00
	Female	0	0.00
Race	White	3	60.00
	Black	2	40.00
Ethnicity	Hispanic	1	20.00
	Non-Hispanic	4	80.00
Ethanol	Tested	3	60.00
	Positive	1	20.00
Autopsied		3	60.00

2015 FATALITIES RESULTING FROM ACCIDENTS WHILE AT WORK

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

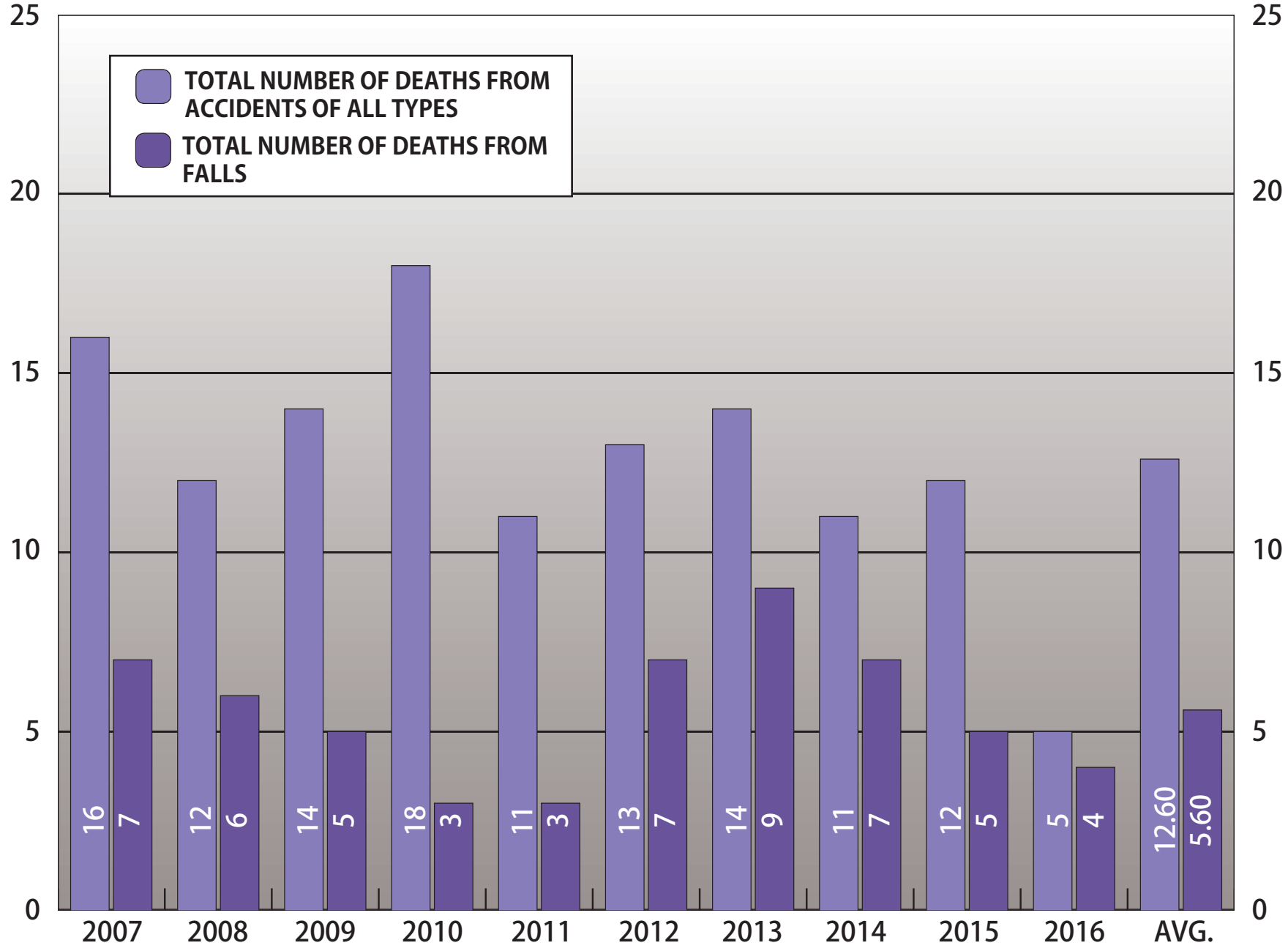


TABLE 18 MONTHLY ETHANOL INCIDENCE

		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.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Feb.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July	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
Aug.	1	1	0	1	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
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.	2	2	0	0	0	2	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
Nov.	1	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
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	**5**	**5**	**0**	**2**	**0**	**3**	**0**	**0**	**0**	**0**	**0**	**2**	**0**	**3**	**0**	**2**	**0**	**1**	**0**	**1**	**0**	**0**	**0**	**0**	**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	0	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	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	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
30 - 34	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
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	0	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
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	0	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	0	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	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	White	3	0	0	1	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	2	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total		**5**	**1**	**4**	**2**	**0**	**3**	**0**	**2**	**0**	**1**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

TABLE 20

MODE - ETHANOL INCIDENCE

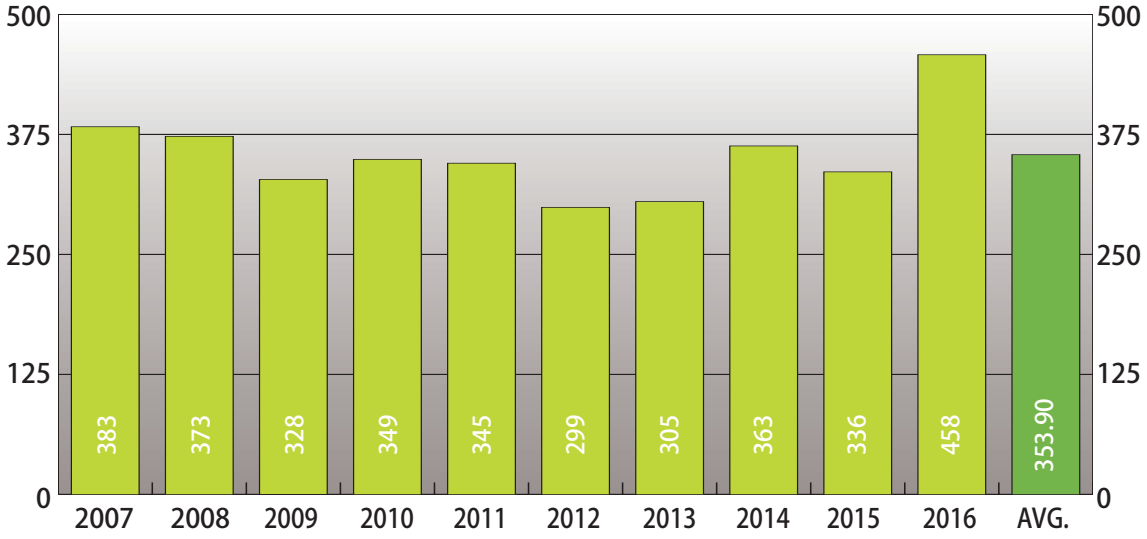
		Total		Cleveland		County		Out of County		Unknown		Not Tested		Tested						Stages											
														Total		Negative		Positive		0.01% - 0.04%		0.05% - 0.08%		0.09% - 0.14%		0.15% - 0.19%		0.20% - 0.24%		0.25% - 0.29%		0.30% or Over	
Mode	Total	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Falling: E882 - Fall From or Out of Building or Other Structure	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
E884 - Fall From Stage	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
E885 - Fall On Same Level	2	2	0	1	0	1	0	0	0	0	0	1	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Others: Poisoning, Fentanyl	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
Total	**5**	**5**	**0**	**2**	**0**	**3**	**0**	**0**	**0**	**0**	**0**	**2**	**0**	**3**	**0**	**2**	**0**	**1**	**0**	**1**	**0**	**0**	**0**	**0**	**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: E882 - Fall From or Out of Building or Other Structure	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	0	1
E884 - Fall From Stage	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
E885 - Fall On Same Level	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	2	0	2
Others: Poisoning, Fentanyl	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
Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**1**	**0**	**5**	**0**	**5**

2016 FATALITIES RESULTING FROM ACCIDENTS IN OTHER PLACES
FOR A PERIOD OF TEN YEARS

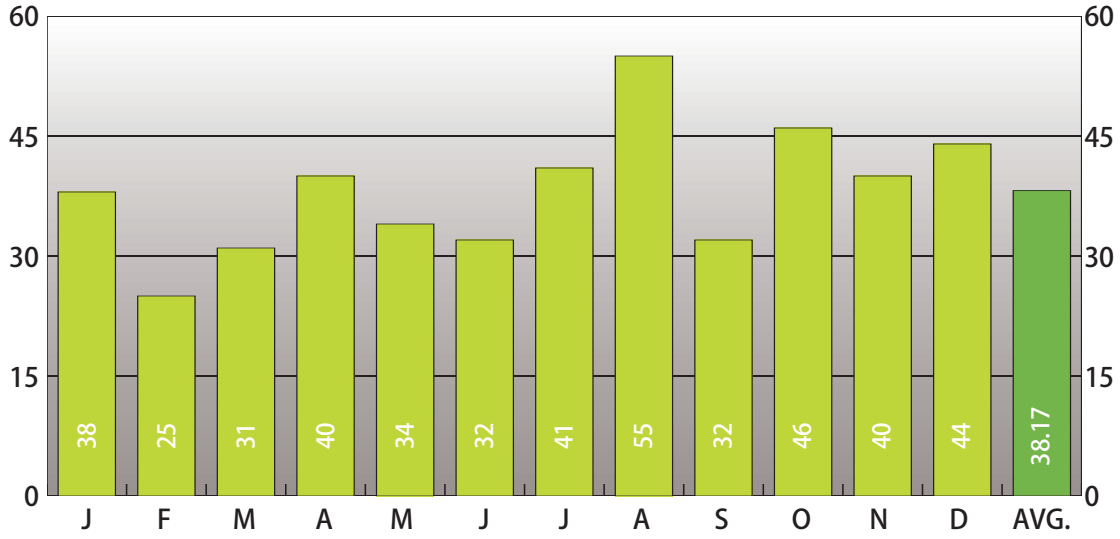


2016

TOTAL CASES

458

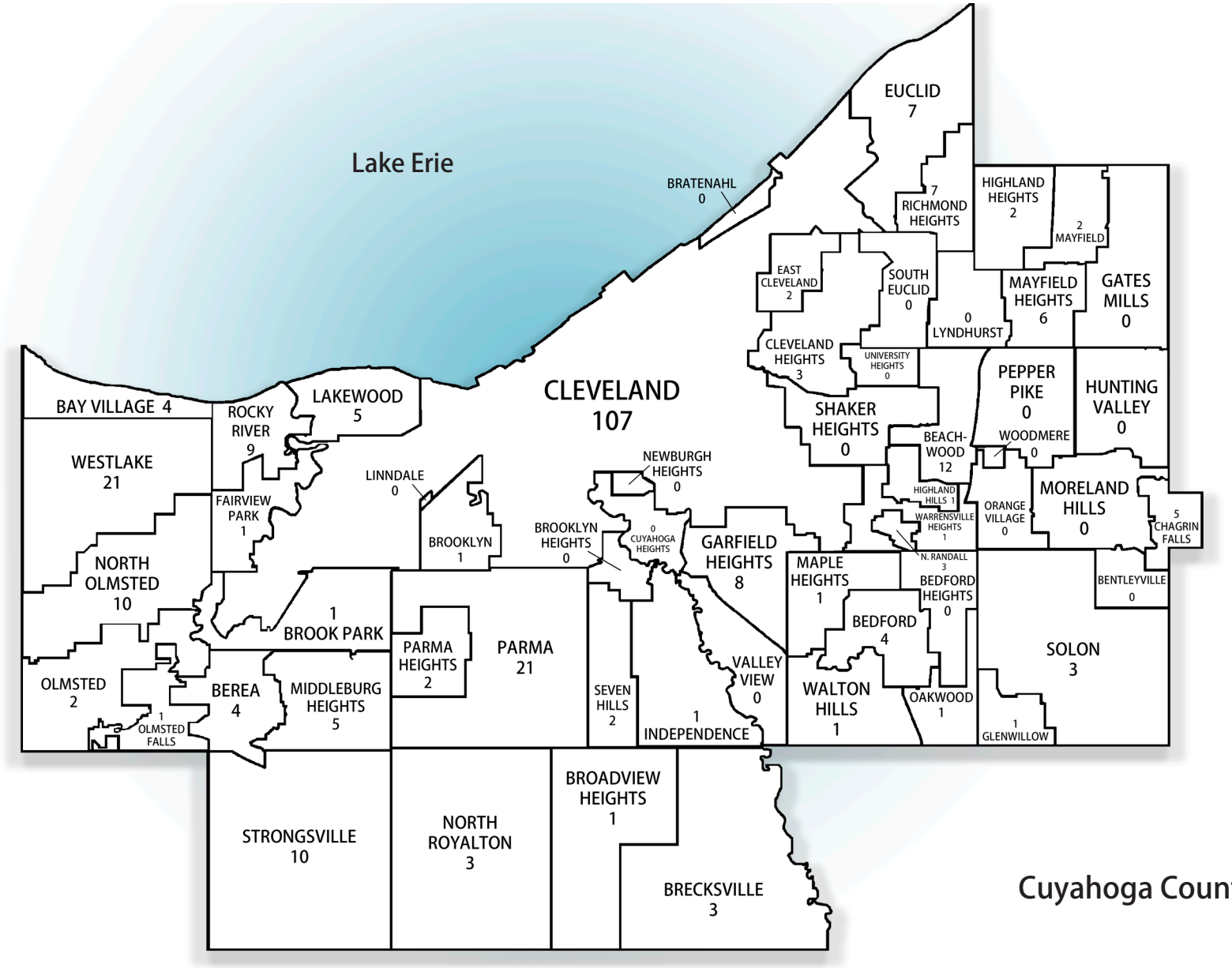
2016 FATALITIES RESULTING FROM ACCIDENTS IN OTHER PLACES
BY MONTH FOR THE YEAR 2016



		Number	Percent
Gender	Male	244	53.28
	Female	214	46.72
Race	White	378	82.53
	Black	77	16.81
	American Indian or Alaskan Native	1	0.22
	Asian	1	0.22
	Asian Indian	1	0.22
Ethnicity	Hispanic	10	2.18
	Non-Hispanic	448	97.82
Ethanol	Tested	185	40.39
	Positive	51	11.14
Autopsied		161	35.15

DISTRIBUTION OF FATALITIES FROM ACCIDENTS IN OTHER PLACES BY CITY

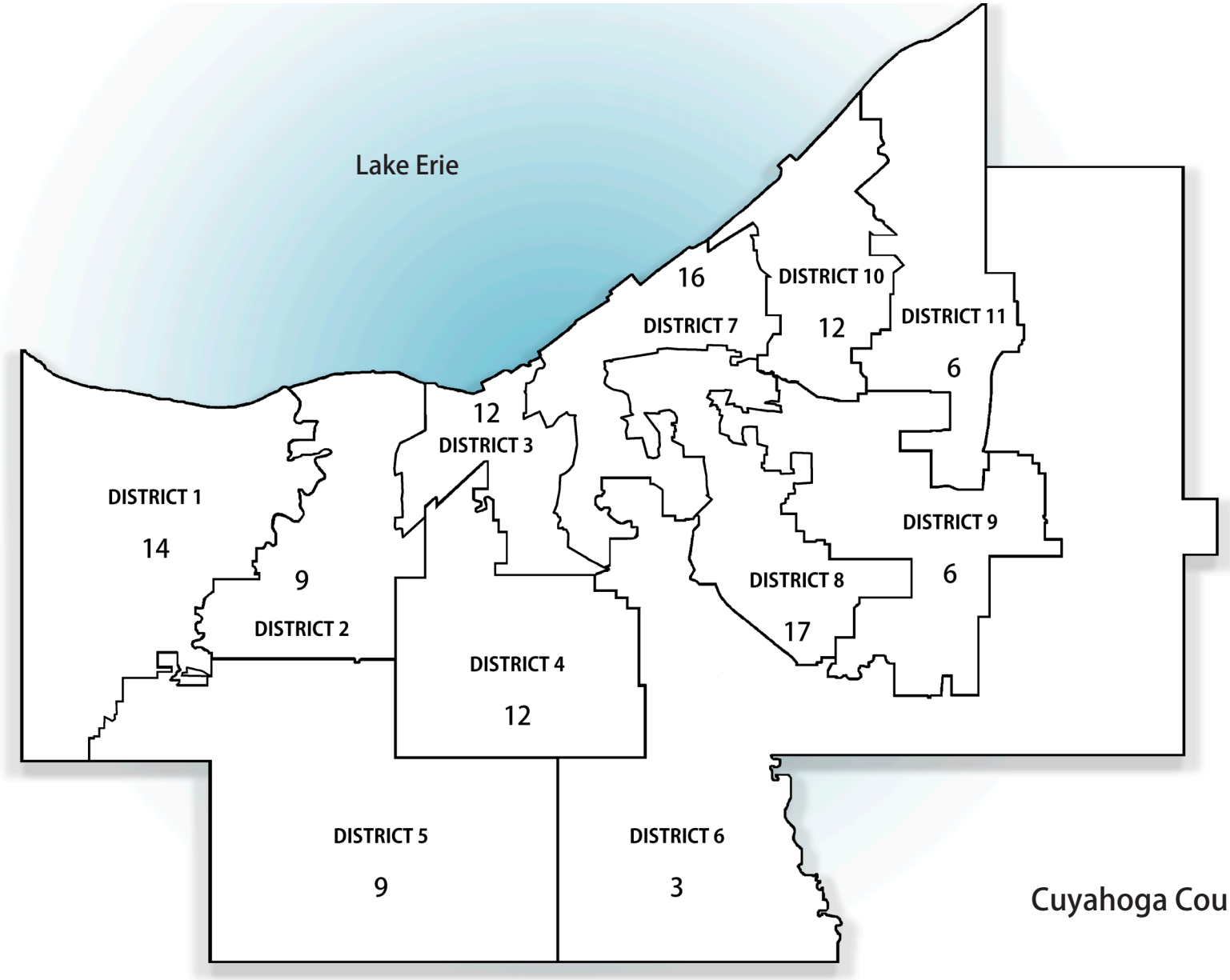
MAP 3A



Cuyahoga County, Ohio

*Injury location is unknown for 47 cases and 127 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 47 cases and 127 cases are from outside of Cuyahoga County. Council district was undetermined and/or not analyzed for 168 cases.

2016 FATALITIES RESULTING FROM ACCIDENTS IN OTHER PLACES

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

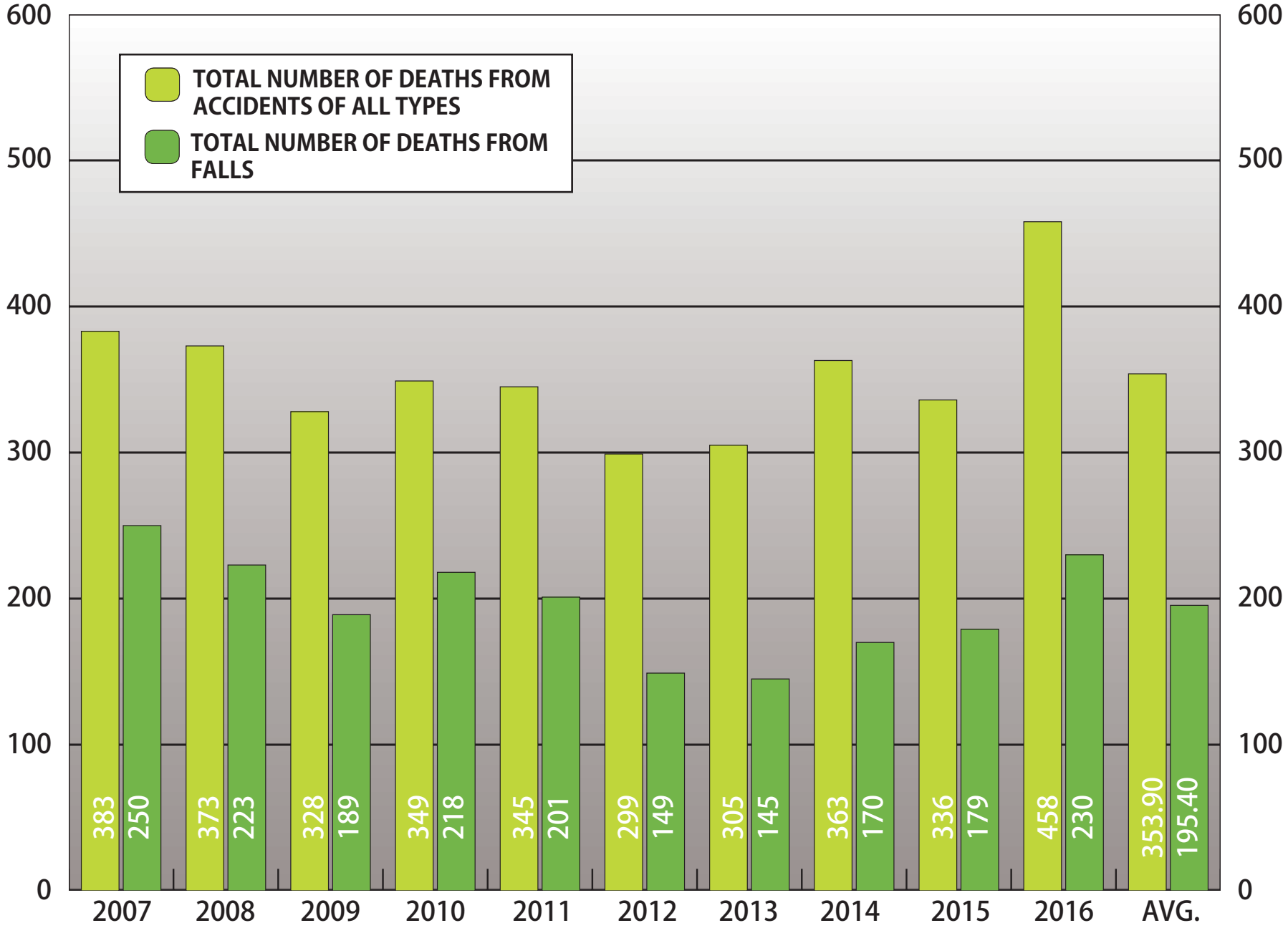


TABLE 22 MONTHLY ETHANOL INCIDENCE

		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.	38	18	20	5	3	5	13	2	3	6	1	13	17	5	3	3	3	2	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
Feb.	25	12	13	2	1	4	10	5	0	1	2	5	11	7	2	5	1	2	1	1	0	0	0	1	0	0	0	0	0	0	1	0	0
Mar.	31	19	12	4	3	5	4	3	1	7	4	8	10	11	2	9	2	2	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0
Apr.	40	22	18	6	2	6	8	0	1	10	7	10	14	12	4	10	3	2	1	1	1	0	0	0	0	0	0	0	0	1	0	0	0
May	34	23	11	5	2	5	4	1	1	12	4	9	8	14	3	9	2	5	1	3	1	0	0	0	0	0	0	0	0	1	0	1	0
Jun.	32	20	12	8	1	3	8	1	1	8	2	9	10	11	2	6	2	5	0	1	0	0	0	3	0	0	0	1	0	0	0	0	0
July	41	25	16	10	2	7	6	2	5	6	3	9	12	16	4	8	3	8	1	3	0	1	0	1	1	1	0	2	0	0	0	0	0
Aug.	55	26	29	9	4	5	19	5	3	7	3	10	21	16	8	10	7	6	1	0	1	2	0	1	0	2	0	0	0	1	0	0	0
Sept.	32	18	14	6	0	3	11	2	1	7	2	7	13	11	1	9	1	2	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0
Oct.	46	24	22	7	7	6	9	2	1	9	5	11	17	13	5	8	4	5	1	2	0	2	0	0	1	0	0	1	0	0	0	0	0
Nov.	40	16	24	4	5	7	12	1	2	4	5	5	21	11	3	9	3	2	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0
Dec.	44	21	23	6	5	7	10	0	4	8	4	9	14	12	9	10	7	2	2	0	0	0	0	1	2	0	0	0	0	0	0	1	0
Total	**458**	**244**	**214**	**72**	**35**	**63**	**114**	**24**	**23**	**85**	**42**	**105**	**168**	**139**	**46**	**96**	**38**	**43**	**8**	**12**	**3**	**7**	**0**	**9**	**4**	**3**	**0**	**6**	**0**	**4**	**1**	**2**	**0**

AGE - RACE - ETHNICITY - ETHANOL INCIDENCE

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
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	American Indian or Alaskan Native	0	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
	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	0	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
	American Indian or Alaskan Native	0	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
	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	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	American Indian or Alaskan Native	0	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
	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	American Indian or Alaskan Native	0	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
	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 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	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
	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
	American Indian or Alaskan Native	0	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
	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	10	2	8	1	0	6	3	6	2	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	Black	1	1	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	American Indian or Alaskan Native	0	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
	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
25 -2 9	White	16	1	15	1	1	8	6	7	5	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0
	Black	3	0	3	0	0	3	0	2	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	American Indian or Alaskan Native	0	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
	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	20	0	20	2	0	13	5	9	5	4	0	0	0	1	0	0	0	1	0	1	0	1	0	0	0
	Black	4	0	4	1	1	2	0	0	0	2	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0
	American Indian or Alaskan Native	0	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
	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)

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	34	1	33	2	1	27	4	18	3	9	1	3	1	1	0	2	0	1	0	0	0	1	0	1	0
	Black	3	0	3	0	0	3	0	1	0	2	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0
	American Indian or Alaskan Native	0	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
	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	12	0	12	1	0	8	3	5	3	3	0	2	0	0	0	0	0	0	0	0	0	1	0	0	0
	Black	3	0	3	2	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	American Indian or Alaskan Native	0	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
	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	17	1	16	2	0	12	3	6	3	6	0	1	0	1	0	2	0	1	0	0	0	0	0	1	0
	Black	10	0	10	2	1	5	2	2	2	3	0	2	0	0	0	0	0	0	0	1	0	0	0	0	0
	American Indian or Alaskan Native	0	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
	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	23	0	23	3	5	10	5	7	4	3	1	0	0	0	0	0	1	0	0	3	0	0	0	0	0
	Black	5	0	5	0	1	2	2	2	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	American Indian or Alaskan Native	0	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
	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 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	18	0	18	3	2	9	4	8	3	1	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0
	Black	10	0	10	2	1	7	0	5	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
	American Indian or Alaskan Native	0	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
	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
60 - 64	White	9	0	9	3	3	3	0	1	0	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0
	Black	8	0	8	1	0	4	3	2	1	2	2	0	0	0	0	2	2	0	0	0	0	0	0	0	0
	American Indian or Alaskan Native	0	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
	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	15	1	14	2	8	5	0	4	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	Black	9	0	9	0	2	6	1	5	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
	American Indian or Alaskan Native	0	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
	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	13	0	13	8	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	5	0	5	3	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	American Indian or Alaskan Native	0	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
	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)

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	21	2	19	8	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	3	0	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	American Indian or Alaskan Native	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
	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	167	0	167	49	115	1	2	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	11	0	11	5	5	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	American Indian or Alaskan Native	0	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	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Unknown	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	White	378	8	370	85	154	104	35	74	30	30	5	6	3	6	0	5	2	3	0	4	0	4	0	2	0
	Black	77	1	76	18	13	35	11	22	8	13	3	6	0	1	0	4	2	0	0	2	0	0	1	0	0
	American Indian or Alaskan Native	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	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
	Unknown	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
Grand Total		**458**	**10**	**448**	**105**	**168**	**139**	**46**	**96**	**38**	**43**	**8**	**12**	**3**	**7**	**0**	**9**	**4**	**3**	**0**	**6**	**0**	**4**	**1**	**2**	**0**

TABLE 24

MODE - 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	
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	18	13	5	5	1	7	3	1	1	0	0	3	5	10	0	6	0	4	0	1	0	1	0	0	0	0	0	1	0	1	0	0	0
Exposure	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
Falling	230	86	144	15	15	34	98	19	17	18	14	78	140	8	4	8	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous	18	8	10	1	2	4	4	2	3	1	1	5	8	3	2	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Poisoning	170	126	44	49	17	16	5	1	2	60	20	12	6	114	38	75	31	39	7	11	2	6	0	9	4	3	0	5	0	3	1	2	0
Undetermined	20	9	11	0	0	2	4	1	0	6	7	6	9	3	2	3	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Total	**458**	**244**	**214**	**72**	**35**	**63**	**114**	**24**	**23**	**85**	**42**	**105**	**168**	**139**	**46**	**96**	**38**	**43**	**8**	**12**	**3**	**7**	**0**	**9**	**4**	**3**	**0**	**6**	**0**	**4**	**1**	**2**	**0**

MODE* - ETHANOL INCIDENCE

TABLE 25

		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: Bolus of Food	9	6	3	1	1	5	2	0	0	0	0	2	3	4	0	2	0	2	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0
Drowning	7	6	1	4	0	1	0	1	1	0	0	0	1	6	0	4	0	2	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0
Hanging	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
Positional	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
Total	**18**	**13**	**5**	**5**	**1**	**7**	**3**	**1**	**1**	**0**	**0**	**3**	**5**	**10**	**0**	**6**	**0**	**4**	**0**	**1**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**1**	**0**	**0**	**0**
Exposure: Cold	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
Heat	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	**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**

TABLE 26

MODE* - 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	
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
Single Chemical Agent: Acetyl 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
Amphetamine	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	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	21	14	7	7	3	1	1	0	1	6	2	5	2	9	5	8	5	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Ethanol	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
Fentanyl	10	8	2	6	0	1	0	0	0	1	2	0	0	8	2	7	2	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Heroin	10	8	2	5	0	1	1	0	0	2	1	1	0	7	2	6	2	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Opiate	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
Oxycodone	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
Unspecified Drug	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
Two or More Chemical Agents: Acetaminophen, Hydrocodone, 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
Acetyl Fentanyl, Carfentanil, Diphenhydramine, 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
Acetyl Fentanyl, Carfentanyl, 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
Acetyl Fentanyl, Cocaine, Diphenhydramine, 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	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	2	2	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	0	0	0	0
Acetyl Fentanyl, 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
Acetyl Fentanyl, Fentanyl, Morphine	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
Alpha-Pyrrolidinovalerophenone, Cocaine, 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
Alprazolam, Amitriptyline, Carisoprodol, Fentanyl	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, Amphetamine, 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
Alprazolam, Carisoprodol, Fentanyl, Heroin	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, 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
Alprazolam, Cocaine, Fentanyl, Heroin	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, Oxycodone	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, Diphenhydramine, Furanyl 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

MODE* - ETHANOL INCIDENCE (continued)

TABLE 26

		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
Alprazolam, Furanylfentanyl	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, Gabapentin, Oxycodone	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
Amitriptyline, Cocaine, Fentanyl, 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, Heroin, Pseudoephedrine	2	2	0	0	0	1	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
Benzodiazepine, Diphenhydramine, Fentanyl, Gabapentin, Opiate	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
Benzodiazepines, Carfentanil, Cyclobenzaprine, 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
Benzodiazepines, Opiates	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, Heroin	2	1	1	0	1	0	0	0	0	1	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carfentanil, Heroin	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, Methamphetamine, Phencyclidine	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, 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, Diphenhydramine, 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
Cocaine, Fentanyl	6	5	1	2	1	2	0	0	0	1	0	0	0	5	1	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cocaine, Fentanyl, Heroin	9	9	0	1	0	1	0	0	0	7	0	0	0	9	0	8	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Cocaine, Fentanyl, Heroin, 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
Cocaine, Fentanyl, 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, Heroin	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, 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
Despropionyl Fentanyl (4-ANPP), Diphenhydramine, Fentanyl, Furanyl 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
Diazepam, 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
Diazepam, Fentanyl, Heroin	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
Diazepam, Fentanyl, Methamphetamine	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
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
Fentanyl, Heroin	16	13	3	2	1	3	0	0	0	8	2	0	0	13	3	12	3	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Fentanyl, Heroin, Oxycodone	4	4	0	1	0	1	0	0	0	2	0	0	0	4	0	2	0	2	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0

*Overdose cases only

TABLE 26

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
Fentanyl, Ketamine	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	3	3	0	0	0	1	0	0	0	2	0	0	0	3	0	2	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Methadone, Tramadol	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
Multiple Unspecified Drugs	2	1	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	0	0	0	0
Combined Effects of Ethanol & Single/Multiple Chemical Agents: Acetyl Fentanyl, 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
Acetyl Fentanyl, Fentanyl	3	3	0	2	0	0	0	0	0	1	0	0	0	3	0	0	0	3	0	0	0	0	0	0	0	2	0	1	0	0	0	0	0
Acetyl Fentanyl, 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	0	0	1	0	0	0	0	0
Alprazolam	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
Alprazolam, 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
Alprazolam, Diazepam, Dibutylone, 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
Buprenorphine, Carfentanil, Fentanyl, 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	1	0	0	0
Carfentanil, 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
Cocaine	6	6	0	1	0	0	0	0	0	5	0	0	0	6	0	0	0	6	0	2	0	0	0	3	0	1	0	0	0	0	0	0	0
Cocaine, Fentanyl	6	5	1	1	0	1	0	0	0	3	1	0	0	5	1	0	0	5	1	1	0	1	0	1	1	0	0	2	0	0	0	0	0
Cocaine, Fentanyl, Heroin	5	1	4	0	1	0	0	0	0	1	3	0	0	1	4	0	0	1	4	0	2	0	0	0	1	0	0	0	0	1	1	0	0
Cocaine, Heroin	2	2	0	1	0	0	0	0	0	1	0	1	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Diazepam, Fentanyl, Heroin, Oxycodone, Tramadol	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
Fentanyl	2	1	1	1	0	0	0	0	1	0	0	0	0	1	1	0	0	1	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0
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
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	0	0	0	0	0	0	1	0
Fentanyl, Lorazepam, Morphine	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Heroin	2	1	1	0	1	0	0	0	0	1	0	0	0	1	1	0	0	1	1	0	0	0	0	0	1	0	0	0	0	1	0	0	0
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	0	0	0	0	0	0	1	0
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
Total	170	126	44	49	17	16	5	1	2	60	20	12	6	114	38	75	31	39	7	11	2	6	0	9	4	3	0	5	0	3	1	2	0

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	
Asphyxia	0	0	0	0	1	0	0	0	0	0	1	0	1	0	0	0	1	1	0	0	0	0	1	0	2	0	1	2	2	1	2	0	0	0	1	1	13	5	18
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	0	2	0	2
Falling	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	2	0	1	1	1	1	1	2	4	2	3	1	4	6	6	5	11	13	51	112	86	144	230
Miscellaneous	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	1	0	1	1	1	0	1	0	1	3	2	0	0	1	0	4	8	10	18
Poisoning	0	1	0	0	0	0	0	0	2	0	6	3	10	7	17	5	29	4	10	2	17	5	11	9	14	3	5	3	5	1	0	1	0	0	0	0	126	44	170
Undetermined	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	0	0	1	0	2	1	0	1	0	1	1	0	0	3	7	9	11	20
Total	**0**	**1**	**0**	**0**	**1**	**0**	**0**	**0**	**3**	**0**	**7**	**4**	**12**	**7**	**18**	**6**	**32**	**5**	**12**	**3**	**21**	**6**	**15**	**13**	**21**	**7**	**11**	**6**	**13**	**11**	**11**	**7**	**11**	**14**	**56**	**124**	**244**	**214**	**458**

TABLE 28 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 Code	**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**
E828 - Accident Involving Animal Being Ridden Horse	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
E880 - Fall On or From Stairs or Steps	3	1	2	0	2	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E882 - Fall From Building or Other Structure Rafter	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
E884 - Fall From One Level to Another Bed	5	1	4	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bicycle	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
Chair	1	0	1		1		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cliff	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
Embankment	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
Tree	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
Wheelchair	10	4	6	3	5	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E885 - Fall On Same Level	193	71	122	66	120	5	2	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E888 - Other and Unspecified Fall	12	4	8	4	7	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**230**	**86**	**144**	**78**	**140**	**8**	**4**	**8**	**4**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

FALLS - AGE GROUPS

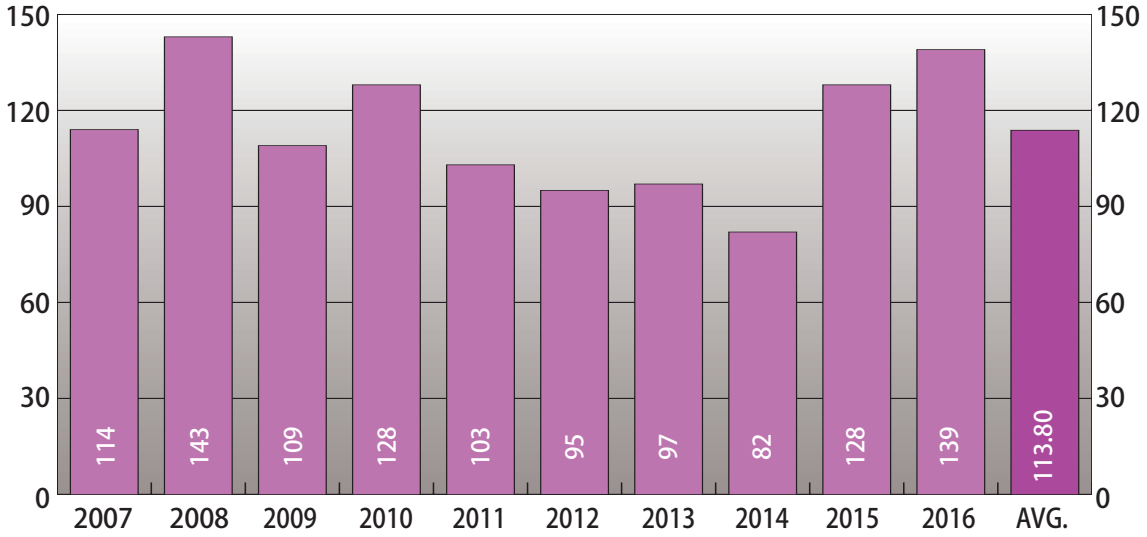
TABLE 29

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	
E828 - Accident Involving Animal Being Ridden Horse	0	0	0	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	1	1
E880 - 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	1	1	0	0	0	0	0	0	0	0	0	0	1	1	2	3
E882 - Fall From Building or Other Structure Rafter	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	1	0	1
E884 - Fall From One Level to Another Bed	0	0	0	0	0	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	1	2	1	4	5
Bicycle	0	0	0	0	0	0	0	0	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
Chair	0	0	0	0	0	0	0	0	0	0	0	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	1
Cliff	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	0	1
Embankment	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	1	0	1
Tree	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
Wheelchair	0	0	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	2	6	4	6	10
E885 - Fall On Same Level	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	1	0	1	0	1	3	1	2	0	4	4	6	5	8	11	46	97	71	122	193
E888 - Unspecified Fall	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	1	0	0	0	1	0	0	1	1	2	5	4	8	12
Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**1**	**1**	**2**	**0**	**1**	**1**	**1**	**1**	**1**	**2**	**4**	**2**	**3**	**1**	**4**	**6**	**6**	**5**	**11**	**13**	**51**	**112**	**86**	**144**	**230**



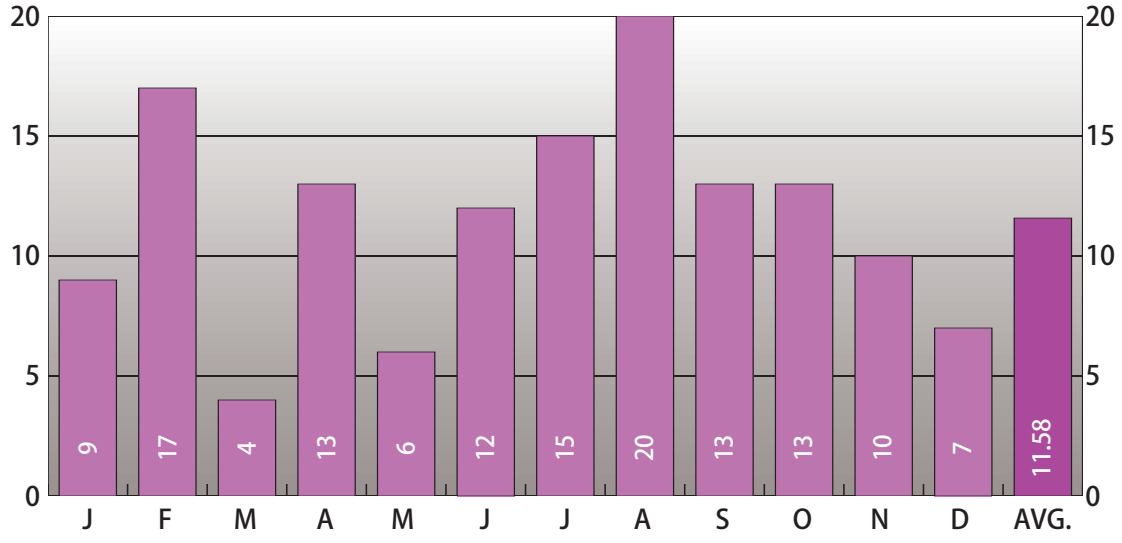
Photograph by G. Wilson

2016 VEHICULAR FATALITIES
FOR A PERIOD OF TEN YEARS



2016
TOTAL CASES
139

2015 VEHICULAR FATALITIES
BY MONTH FOR THE YEAR 2016



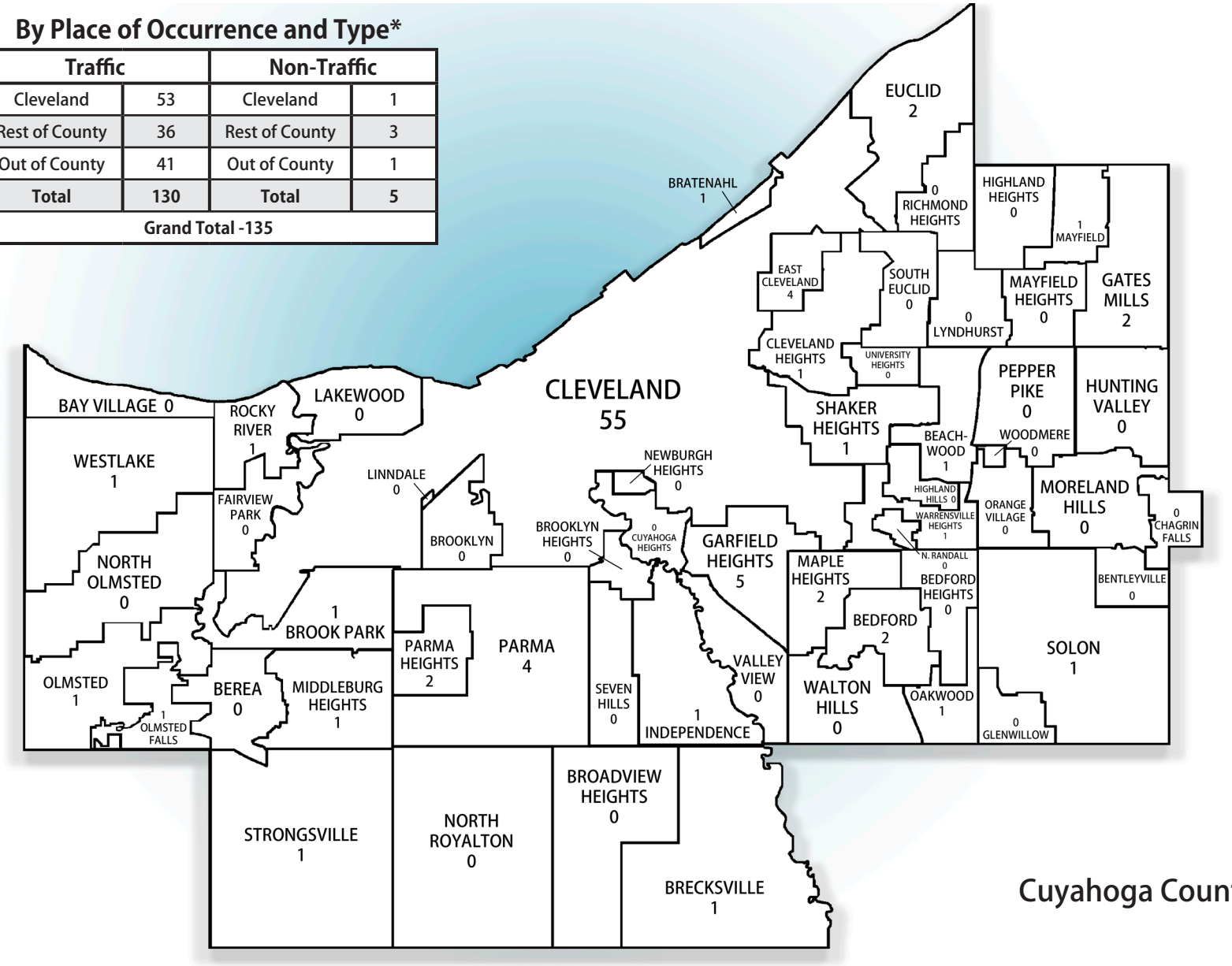
		Number	Percent
Gender	Male	101	0.73
	Female	38	0.27
Race	White	81	0.58
	Black	57	0.41
	Asian Indian	1	0.01
Ethnicity	Hispanic	7	0.05
	Non-Hispanic	132	0.95
Ethanol	Tested	93	0.67
	Positive	37	0.27
Autopsied		72	0.52

MAP 4A

DISTRIBUTION OF VEHICULAR FATALITIES BY CITY

By Place of Occurrence and Type*

Traffic		Non-Traffic	
Cleveland	53	Cleveland	1
Rest of County	36	Rest of County	3
Out of County	41	Out of County	1
Total	**130**	**Total**	**5**
Grand Total -135			

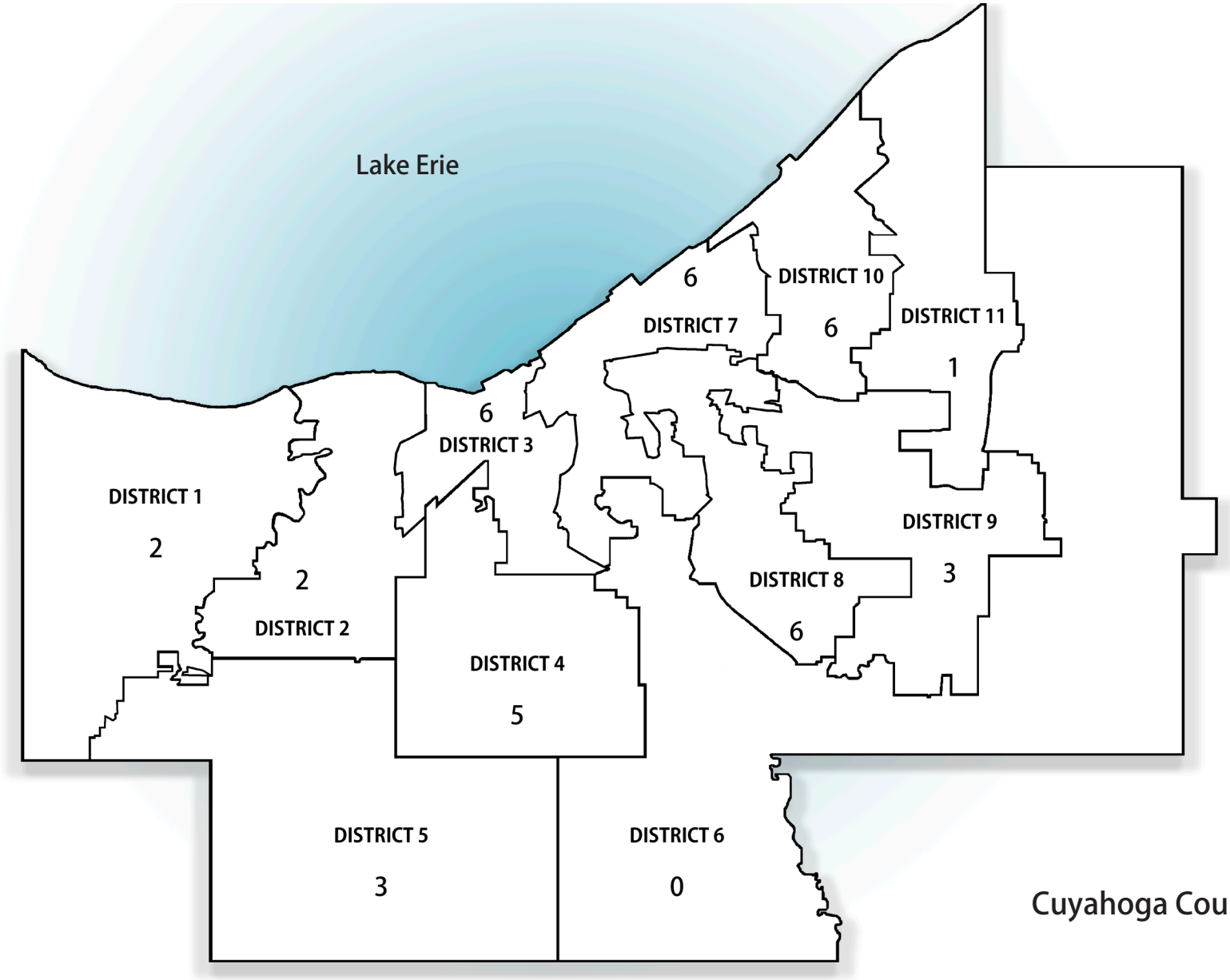


Cuyahoga County, Ohio

*Injury location and/or traffic type is unknown for 4 cases.

DISTRIBUTION OF VEHICULAR FATALITIES BY COUNCIL DISTRICT*

MAP 4B



*Injury location is unknown for 1 case and 47 cases are from outside of Cuyahoga County. Council district was undetermined and/or not analyzed for 55 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

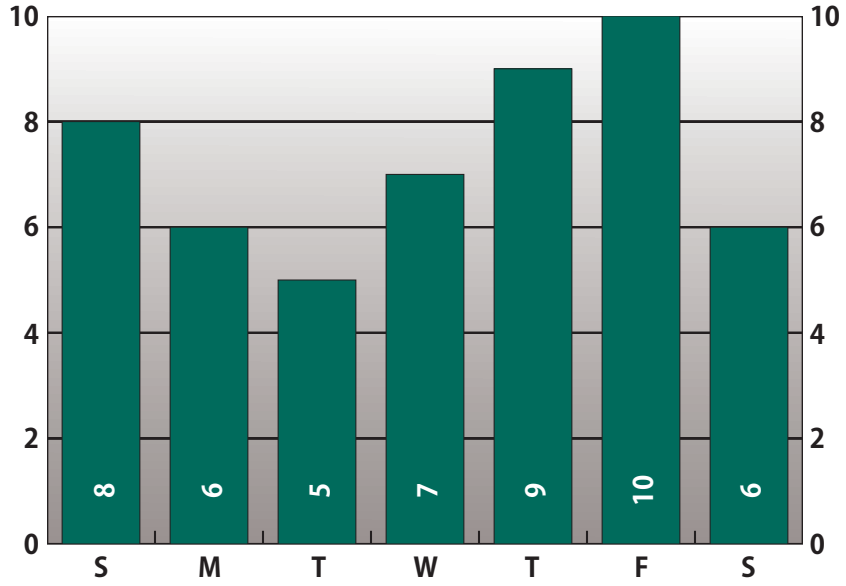
Please Note: This chart represents estimated blood concentrations for average individuals. It is not meant to be taken as a guide to alcohol consumption.

*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.

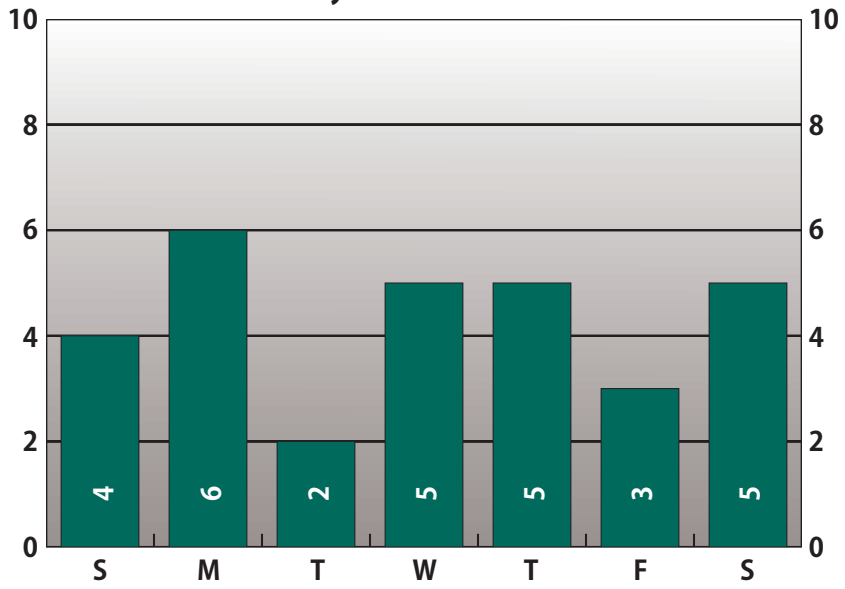
From: Virginia Polytechnic Institute and State University (http://www.alcohol.vt.edu/Students/alcoholEffects/estimatingBAC/index.htm)

DAILY INCIDENCE

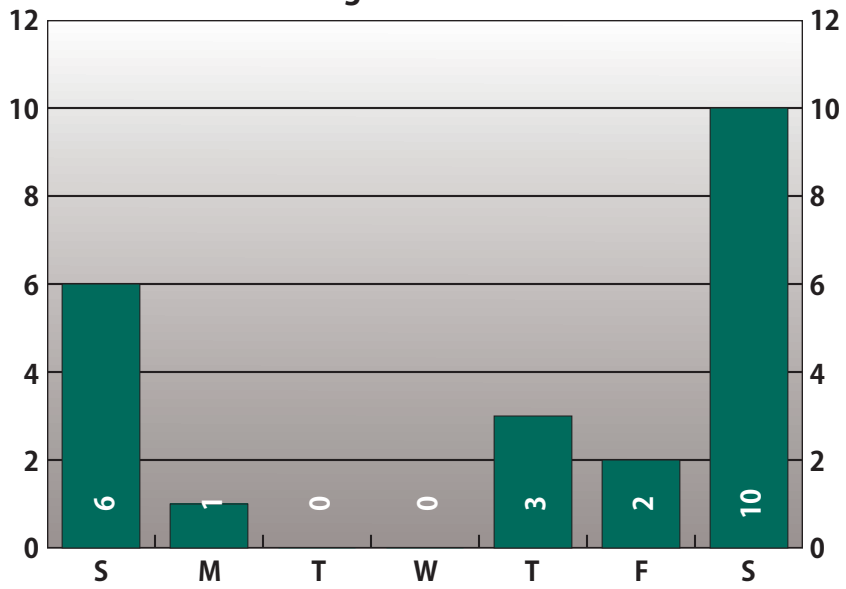
Drivers Total - 54*



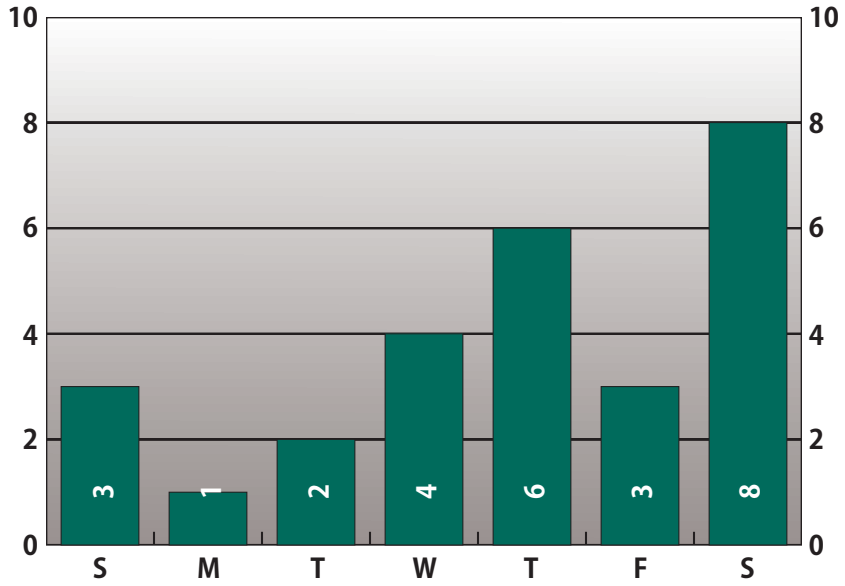
Motorcyclists Total - 30



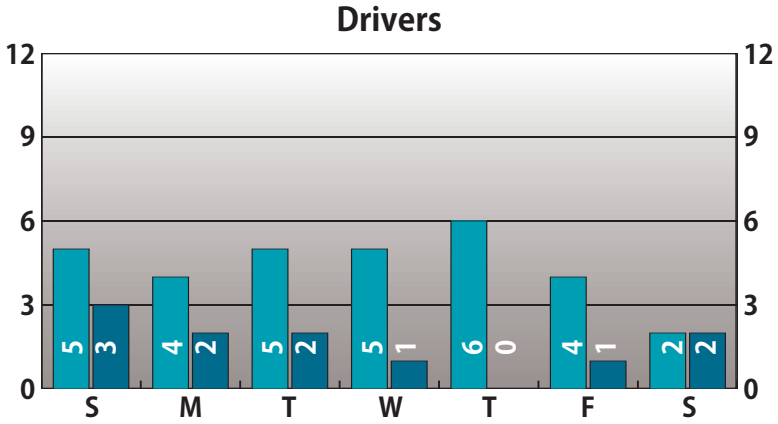
Passengers Total - 22

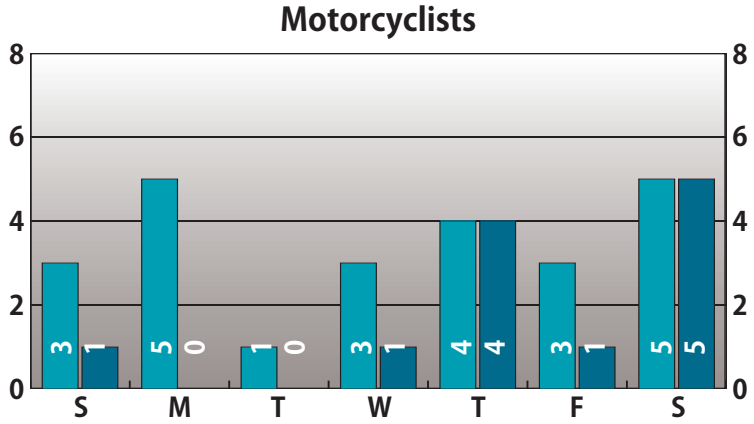


Pedestrians Total - 28*



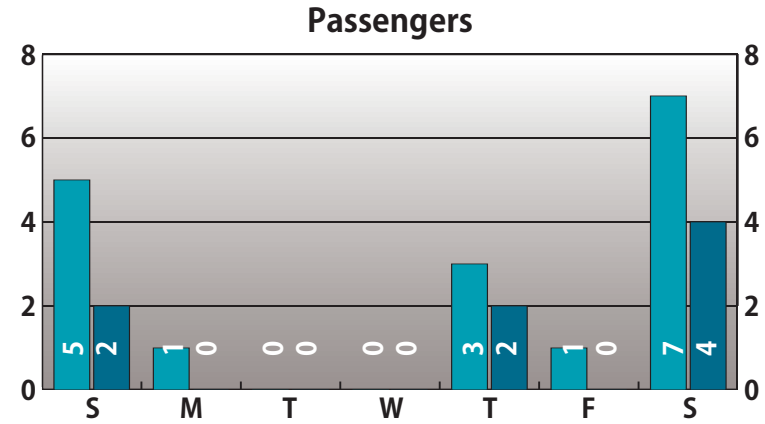
*Injury date and/or classification is unknown for 4 cases.

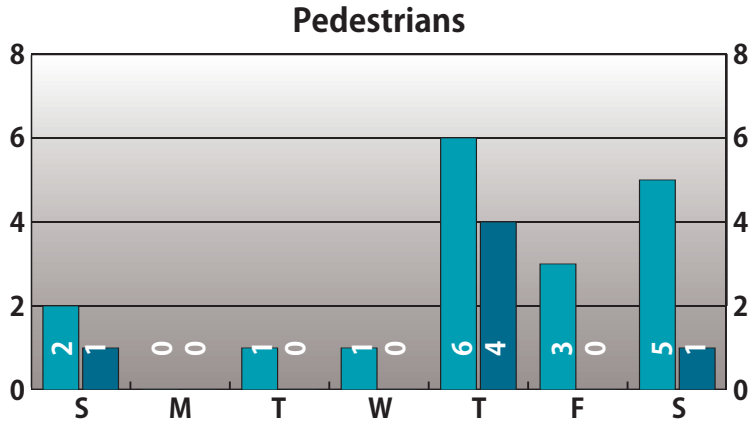






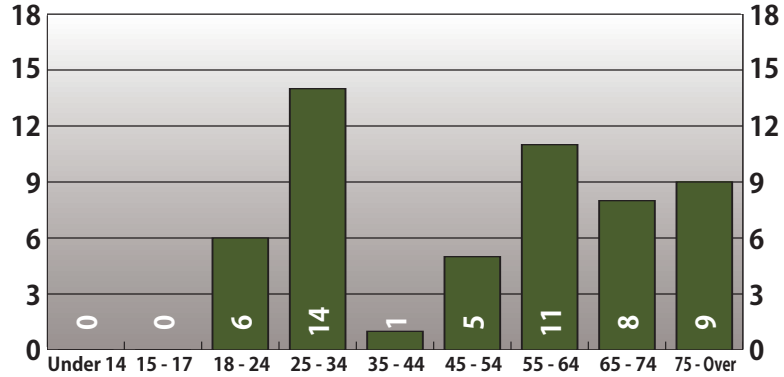
	Tested	Positive
Drivers	31	11
Motorcyclists	24	12
Passengers	17	8
Pedestrian	18	6
Total	**90**	**37**



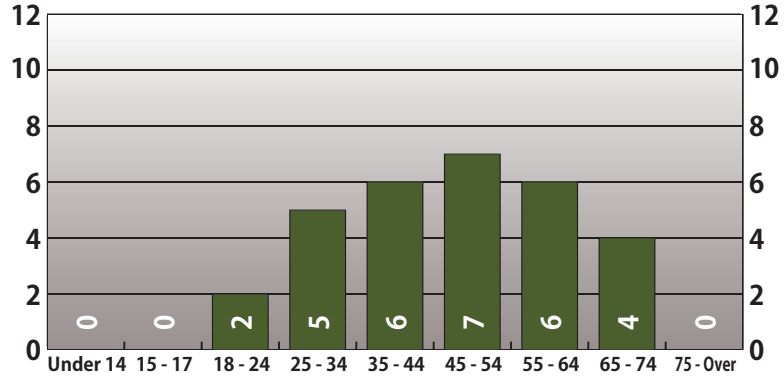


AGE GROUPS - CLASSIFICATION* OF VICTIMS

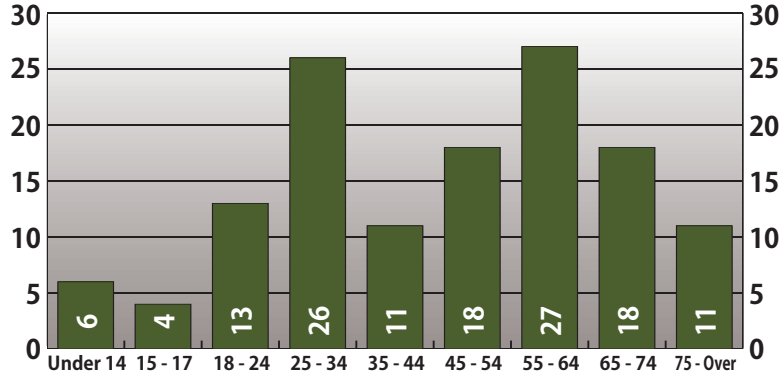
Drivers



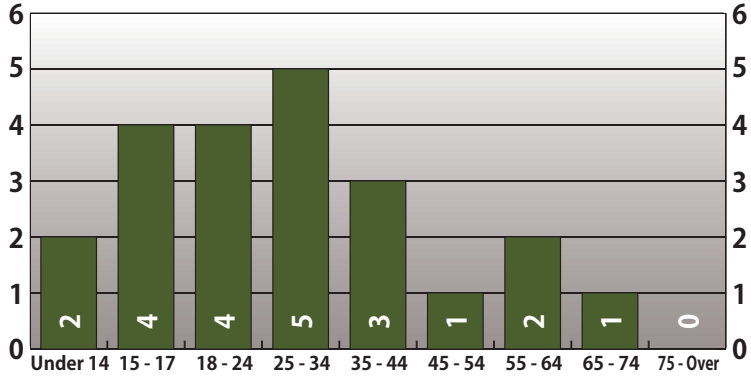
Motorcyclists



Total



Passengers



Pedestrians

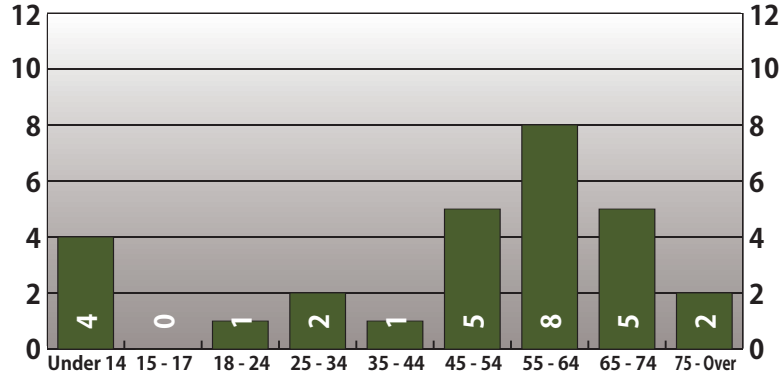


TABLE 30 CLASSIFICATION OF VICTIMS - ETHANOL INCIDENCE

		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
Driver	54	39	15	12	3	16	4	11	8	0	0	0	0	14	9	25	6	17	4	9	2	0	0	0	0	1	0	3	2	5	0	0	0	0	0
Motorcyclist	30	29	1	11	1	9	0	9	0	0	0	0	0	6	0	23	1	11	1	12	0	3	0	1	0	4	0	1	0	3	0	0	0	0	0
Passenger	22	10	12	4	7	3	0	3	5	0	0	0	0	4	1	6	11	3	6	3	5	1	1	0	3	1	1	0	0	1	0	0	0	0	0
Pedestrian	28	19	9	12	4	2	5	5	0	0	0	0	0	7	3	12	6	6	6	6	0	2	0	0	0	0	0	3	0	0	0	0	0	1	0
Bicyclist	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
Rider on Animal	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	3	2	1	1	0	0	1	0	0	0	0	1	0	2	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**139**	**101**	**38**	**40**	**15**	**30**	**10**	**30**	**13**	**0**	**0**	**1**	**0**	**33**	**13**	**68**	**25**	**39**	**18**	**30**	**7**	**6**	**1**	**1**	**3**	**6**	**1**	**7**	**2**	**9**	**0**	**0**	**0**	**1**	**0**

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
Under 14	6	3	3	1	1	1	1	1	1	0	0	0	0	3	1	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 - 17	4	1	3	1	3	0	0	0	0	0	0	0	0	0	1	1	2	1	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
18 - 24	13	9	4	4	1	2	0	3	3	0	0	0	0	1	1	8	3	3	2	5	1	0	0	0	1	2	0	1	0	2	0	0	0	0	0
25 - 34	26	16	10	5	7	9	3	2	0	0	0	0	0	2	2	14	8	6	3	9	5	2	0	0	2	0	1	2	2	5	0	0	0	0	0
35 - 44	11	8	3	3	1	1	0	4	2	0	0	0	0	4	0	4	3	2	3	2	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0
45 - 54	19	18	1	8	0	4	0	6	1	0	0	0	0	4	1	14	0	8	0	6	0	1	0	1	0	3	0	1	0	0	0	0	0	0	0
55 - 64	30	25	5	14	0	6	3	5	2	0	0	0	0	9	2	16	3	10	3	6	0	2	0	0	0	0	0	3	0	0	0	0	0	1	0
65 - 74	19	16	3	3	1	5	1	7	1	0	0	1	0	6	2	10	1	8	1	2	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0
75 and Older	11	5	6	1	1	2	2	2	3	0	0	0	0	4	3	1	3	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**139**	**101**	**38**	**40**	**15**	**30**	**10**	**30**	**13**	**0**	**0**	**1**	**0**	**33**	**13**	**68**	**25**	**39**	**18**	**30**	**7**	**6**	**1**	**1**	**3**	**6**	**1**	**7**	**2**	**9**	**0**	**0**	**0**	**1**	**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.	9	8	1	2	0	2	1	4	0	0	0	0	0	5	1	3	0	2	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Feb.	17	11	6	7	3	2	0	2	3	0	0	0	0	5	1	6	5	5	2	2	3	0	0	0	0	0	1	1	2	1	0	0	0	0	0
Mar.	4	3	1	2	1	1	0	0	0	0	0	0	0	2	0	1	1	0	0	1	1	0	0	0	1	0	0	1	0	0	0	0	0	0	0
Apr.	13	10	3	6	1	2	1	2	1	0	0	0	0	4	3	6	0	1	0	5	0	0	0	0	0	1	0	2	0	2	0	0	0	0	0
May	6	4	2	1	0	1	0	2	2	0	0	0	0	2	0	2	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Jun.	12	11	1	4	0	4	0	2	1	0	0	1	0	1	0	10	1	7	1	3	0	1	0	0	0	1	0	0	0	1	0	0	0	0	0
July	15	11	4	2	3	4	0	5	1	0	0	0	0	3	1	8	3	4	2	4	1	0	1	0	0	1	0	1	0	2	0	0	0	0	0
Aug.	20	14	6	4	1	5	3	5	2	0	0	0	0	4	3	10	3	6	3	4	0	1	0	0	0	2	0	1	0	0	0	0	0	0	0
Sept.	13	8	5	2	2	4	2	2	1	0	0	0	0	1	2	7	3	5	2	2	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0
Oct.	13	8	5	4	2	2	2	2	1	0	0	0	0	2	0	6	5	2	4	4	1	1	0	0	1	0	0	0	0	2	0	0	0	1	0
Nov.	10	9	1	5	0	2	0	2	1	0	0	0	0	3	1	6	0	4	0	2	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0
Dec.	7	4	3	1	2	1	1	2	0	0	0	0	0	1	1	3	2	1	2	2	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0
Total	**139**	**101**	**38**	**40**	**15**	**30**	**10**	**30**	**13**	**0**	**0**	**1**	**0**	**33**	**13**	**68**	**25**	**39**	**18**	**30**	**7**	**6**	**1**	**1**	**3**	**6**	**1**	**7**	**2**	**9**	**0**	**0**	**0**	**1**	**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	21	15	6	5	1	10	5	6	3	5	2	1	0	0	2	1	0	1	0	2	0	0	0	0	0
Monday	16	11	5	2	2	9	3	8	2	1	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0
Tuesday	9	7	2	2	0	5	2	4	1	1	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0
Wednesday	16	12	4	6	1	6	3	4	3	2	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0
Thursday	24	20	4	2	2	18	2	9	1	9	1	3	0	0	0	1	1	3	0	1	0	0	0	1	0
Friday	18	14	4	5	2	9	2	7	2	2	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0
Saturday	29	17	12	6	4	11	8	1	6	10	2	1	1	1	1	3	0	2	0	3	0	0	0	0	0
Unknown	6	5	1	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**139**	**101**	**38**	**33**	**13**	**68**	**25**	**39**	**18**	**30**	**7**	**6**	**1**	**1**	**3**	**6**	**1**	**7**	**2**	**9**	**0**	**0**	**0**	**1**	**0**

AGE - RACE - ETHNICITY - ETHANOL INCIDENCE

TABLE 34

			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	2	0	2	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	4	0	4	2	1	0	1	0	1	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 - 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	4	0	4	0	1	1	2	1	1	0	1	0	1	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
18 - 24	White	7	0	7	0	1	4	2	1	2	3	0	0	0	0	0	2	0	0	0	1	0	0	0	0	0
	Black	6	0	6	1	0	4	1	2	0	2	1	0	0	0	1	0	0	1	0	1	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 - 34	White	12	1	11	2	1	8	1	4	0	5	1	1	0	0	1	0	0	1	0	3	0	0	0	0	0
	Black	14	0	14	0	1	6	7	2	3	4	4	1	0	0	1	0	1	1	2	2	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 - 44	White	9	2	7	4	0	3	2	2	2	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	Black	2	0	2	0	0	1	1	0	1	1	0	0	0	0	0	1	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 - 54	White	12	2	10	2	1	9	0	6	0	3	0	0	0	0	0	2	0	1	0	0	0	0	0	0	0
	Black	6	0	6	1	0	5	0	2	0	3	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0
	Asian Indian	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
55 - 64	White	17	1	16	4	2	8	3	6	3	2	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0
	Black	13	0	13	5	0	8	0	4	0	4	0	1	0	0	0	0	0	3	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 - 74	White	15	0	15	5	2	7	1	6	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	Black	4	0	4	1	0	3	0	2	0	1	0	1	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 and Older	White	7	1	6	2	3	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	4	0	4	2	0	0	2	0	2	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	81	7	74	20	10	40	11	26	10	15	1	2	0	0	1	4	0	2	0	6	0	0	0	1	0
	Black	57	0	57	12	3	28	14	13	8	15	6	4	1	1	2	2	1	5	2	3	0	0	0	0	0
	Asian Indian	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		**139**	**7**	**132**	**33**	**13**	**68**	**25**	**39**	**18**	**30**	**7**	**6**	**1**	**1**	**3**	**6**	**1**	**7**	**2**	**9**	**0**	**0**	**0**	**1**	**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
Traffic: Collision	125	93	32	38	15	27	7	28	10	0	0	0	0	28	11	65	21	38	14	28	7	6	1	1	3	6	1	6	2	8	0	0	0	1	0
Non-Collision	6	4	2	1	0	2	0	1	2	0	0	0	0	1	0	3	2	1	2	2	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0
Total	**131**	**97**	**34**	**39**	**15**	**29**	**7**	**29**	**12**	**0**	**0**	**0**	**0**	**29**	**11**	**68**	**23**	**39**	**16**	**30**	**7**	**6**	**1**	**1**	**3**	**6**	**1**	**7**	**2**	**9**	**0**	**0**	**0**	**1**	**0**
Non-Traffic Collision	4	2	2	0	0	1	2	1	0	0	0	0	0	2	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**4**	**2**	**2**	**0**	**0**	**1**	**2**	**1**	**0**	**0**	**0**	**0**	**0**	**2**	**1**	**0**	**1**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Unknown Traffic and/or Collision Type	4	2	2	1	0	0	1	0	1	0	0	1	0	2	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total	**139**	**101**	**38**	**40**	**15**	**30**	**10**	**30**	**13**	**0**	**0**	**1**	**0**	**33**	**13**	**68**	**25**	**39**	**18**	**30**	**7**	**6**	**1**	**1**	**3**	**6**	**1**	**7**	**2**	**9**	**0**	**0**	**0**	**1**	**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

		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-Fixed Object	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-Pedestrian	3	1	2	0	0	0	2	1	0	0	0	0	0	1	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**4**	**2**	**2**	**0**	**0**	**1**	**2**	**1**	**0**	**0**	**0**	**0**	**0**	**2**	**1**	**0**	**1**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

**Includes All-Terrain Vehicle, Non-Collision; Truck, Non-Collision

TABLE 37 TRAFFIC - COLLISION - 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
Auto-Auto	14	11	3	4	1	5	0	2	2	0	0	0	0	5	2	6	1	3	0	3	1	0	0	0	1	1	0	1	0	1	0	0	0	0	0
Auto-Fixed Object	21	11	10	4	5	5	3	2	2	0	0	0	0	3	4	8	6	4	3	5	3	0	1	0	0	0	1	1	1	4	0	0	0	0	0
Auto-Motorcycle	**13**	**11**	**2**	**6**	**2**	**3**	**0**	**2**	**0**	**0**	**0**	**0**	**0**	**3**	**0**	**8**	**2**	**3**	**1**	**5**	**1**	**2**	**0**	**1**	**1**	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Auto-Pedestrian	7	6	1	4	1	0	0	2	0	0	0	0	0	1	1	5	0	2	0	3	0	0	0	0	0	0	0	2	0	0	0	0	0	1	0
Auto-Truck	20	12	8	4	2	4	1	4	5	0	0	0	0	3	3	9	5	7	3	2	2	1	0	0	1	0	0	0	1	1	0	0	0	0	0
Motorcycle-Fixed Object	**10**	**10**	**0**	**4**	**0**	**3**	**0**	**3**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**9**	**0**	**4**	**0**	**5**	**0**	**1**	**0**	**0**	**0**	**2**	**0**	**0**	**0**	**2**	**0**	**0**	**0**	**0**	**0**
Motorcycle-Motorcycle	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
Motorcycle-Pedestrian	2	2	0	0	0	0	0	2	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
Motorcycle-Truck	3	3	0	0	0	1	0	2	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
Truck-Fixed Object	**6**	**6**	**0**	**1**	**0**	**2**	**0**	**3**	**0**	**0**	**0**	**0**	**0**	**2**	**0**	**4**	**0**	**3**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Truck-Pedestrian	10	6	4	3	1	2	3	1	0	0	0	0	0	3	0	3	4	2	4	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Truck-Truck	**6**	**5**	**1**	**2**	**1**	**2**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**2**	**0**	**3**	**1**	**2**	**1**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Other Motor Vehicle Accident*	12	9	3	6	2	0	0	3	1	0	0	0	0	3	1	6	2	4	2	2	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0
Total	**125**	**93**	**32**	**38**	**15**	**27**	**7**	**28**	**10**	**0**	**0**	**0**	**0**	**28**	**11**	**65**	**21**	**38**	**14**	**28**	**7**	**6**	**1**	**1**	**3**	**6**	**1**	**6**	**2**	**8**	**0**	**0**	**0**	**1**	**0**

***Other Includes: Ambulance-Auto; Bus-Pedestrian; Train-Pedestrian; Truck-Animal With Buggy; Truck-Bicycle; Unknown Motor Vehicle Collision; Unknown Motor Vehicle-Bicycle; Unknown Motor Vehicle-Fixed Object; and Unknown Motor Vehicle-Pedestrian.**

2016 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	11	9	2	4	0	4	0	1	2	0	0	0	0	5	2	4	0	2	0	2	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0
Auto-Fixed Object	15	9	6	3	1	4	3	2	2	0	0	0	0	2	3	7	3	4	2	4	1	0	0	0	0	0	0	1	1	3	0	0	0	0	0
Auto-Truck	15	10	5	2	1	4	1	4	3	0	0	0	0	3	3	7	2	6	1	1	1	0	0	0	0	0	0	0	1	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	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Truck-Fixed Object	4	4	0	0	0	2	0	2	0	0	0	0	0	0	0	4	0	3	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Truck-Truck	4	3	1	2	1	1	0	0	0	0	0	0	0	1	0	2	1	1	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Other Motor Vehicle Accident**	2	2	0	1	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	0	0	0	0
Total	52	38	14	12	3	15	4	11	7	0	0	0	0	13	8	25	6	17	4	9	2	0	0	0	0	1	0	3	2	5	0	0	0	0	0

** Other Includes: Ambulance-Auto; and Unknown Motor Vehicle-Fixed Object

2016 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	12	11	1	6	1	3	0	2	0	0	0	0	0	3	0	8	1	3	1	5	0	2	0	1	0	2	0	0	0	0	0	0	0	0	0
Motorcycle-Fixed Object	10	10	0	4	0	3	0	3	0	0	0	0	0	1	0	9	0	4	0	5	0	1	0	0	0	2	0	0	0	2	0	0	0	0	0
Motorcycle-Motorcycle	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
Motorcycle-Pedestrian	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
Motorcycle-Truck	2	2	0	0	0	1	0	1	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
Total	26	25	1	10	1	7	0	8	0	0	0	0	0	5	0	20	1	10	1	10	0	3	0	1	0	4	0	0	0	2	0	0	0	0	0

*The order of decedents and/or vehicles listed under "Type" is not intended to suggest a contributing circumstance. For example, in this publication Truck-Auto is the same as Auto-Truck.

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

		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
Auto-Auto	3	2	1	0	1	1	0	1	0	0	0	0	0	0	0	2	1	1	0	1	1	0	0	0	1	1	0	0	0	0	0	0	0	0
Auto-Fixed Object	6	2	4	1	4	1	0	0	0	0	0	0	0	1	1	1	3	0	1	1	2	0	1	0	0	0	1	0	0	1	0	0	0	0	0
Auto-Motorcycle	**1**	**0**	**1**	**0**	**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**
Auto-Truck	5	2	3	2	1	0	0	0	2	0	0	0	0	0	0	2	3	1	2	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0
Truck-Fixed Object	2	2	0	1	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	0	0	0	0
Truck-Truck	**2**	**2**	**0**	**0**	**0**	**1**	**0**	**1**	**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**
Other Motor Vehicle Accident*	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	**20**	**10**	**10**	**4**	**7**	**3**	**0**	**3**	**3**	**0**	**0**	**0**	**0**	**4**	**1**	**6**	**9**	**3**	**4**	**3**	**5**	**1**	**1**	**0**	**3**	**1**	**1**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**0**

*** Other Includes: Truck-Animal With Buggy**

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

		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
Auto	7	6	1	4	1	0	0	2	0	0	0	0	0	1	1	5	0	2	0	3	0	0	0	0	0	0	0	2	0	0	0	0	0	1	0
Motorcycle	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
Truck	10	6	4	3	1	2	3	1	0	0	0	0	0	3	0	3	4	2	4	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Motor Vehicle*	**7**	**5**	**2**	**5**	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**1**	**4**	**1**	**2**	**1**	**2**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**
Total	**25**	**18**	**7**	**12**	**4**	**2**	**3**	**4**	**0**	**0**	**0**	**0**	**0**	**6**	**2**	**12**	**5**	**6**	**5**	**6**	**0**	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**3**	**0**	**0**	**0**	**0**	**0**	**1**	**0**

***Other Includes: Bus-Pedestrian; Train-Pedestrian; and Unknown Motor Vehicle-Pedestrian**

TRAFFIC - NON-COLLISION - ETHANOL INCIDENCE

TABLE 38

		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
Motorcycle Accident, Motorcyclist	4	4	0	1	0	2	0	1	0	0	0	0	0	1	0	3	0	1	0	2	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0
Motorcycle Accident, Passenger	2	0	2	0	0	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
Total	**6**	**4**	**2**	**1**	**0**	**2**	**0**	**1**	**2**	**0**	**0**	**0**	**0**	**1**	**0**	**3**	**2**	**1**	**2**	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**1**	**0**	**0**	**0**	**0**	**0**

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
January	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
February	1	1	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
September	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
December	**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**
Total	**4**	**4**	**0**	**1**	**0**	**1**	**0**	**2**	**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**

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
Clear	83	61	22	21	7	22	7	18	8	0	0	0	0	13	7	48	15	30	10	19	5	2	0	0	2	5	1	4	2	7	0	0	0	1	0
Cloudy	36	25	11	14	7	4	1	7	3	0	0	0	0	9	3	16	8	7	6	9	2	3	1	1	1	1	0	2	0	2	0	0	0	0	0
Rain	6	5	1	2	0	2	0	1	1	0	0	0	0	3	1	2	0	0	0	2	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0
Snow	1	1	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
Blowing Sand, Soil, Dirt, Snow	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
Other/Unknown	**12**	**8**	**4**	**3**	**1**	**1**	**2**	**3**	**1**	**0**	**0**	**1**	**0**	**7**	**2**	**1**	**2**	**1**	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Total	**139**	**101**	**38**	**40**	**15**	**30**	**10**	**30**	**13**	**0**	**0**	**1**	**0**	**33**	**13**	**68**	**25**	**39**	**18**	**30**	**7**	**6**	**1**	**1**	**3**	**6**	**1**	**7**	**2**	**9**	**0**	**0**	**0**	**1**	**0**

2016 VEHICULAR FATALITIES

ROAD CONDITIONS - ETHANOL INCIDENCE

TABLE 41

Road Condition	Total	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	
		M	F	M	F	M	F	M	F	M	F	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	105	76	29	29	11	23	8	24	10	0	0	0	0	18	9	58	20	36	14	23	6	3	0	1	3	5	1	5	2	8	0	0	0	1	0
Wet	19	14	5	7	3	5	0	2	2	0	0	0	0	7	2	7	3	0	2	7	1	3	1	0	0	1	0	2	0	1	0	0	0	0	0
Snow	2	2	0	0	0	1	0	1	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
Rut, Holes, Bumps, Uneven Pavement	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
Unknown	12	8	4	3	1	1	2	3	1	0	0	1	0	7	2	1	2	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	139	101	38	40	15	30	10	30	13	0	0	1	0	33	13	68	25	39	18	30	7	6	1	1	3	6	1	7	2	9	0	0	0	1	0

2016 VEHICULAR FATALITIES

LIGHT CONDITIONS - ETHANOL INCIDENCE

TABLE 42

Light Condition	Total	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	
		M	F	M	F	M	F	M	F	M	F	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	66	47	19	0	0	0	0	0	0	0	0	0	0	18	9	29	10	25	10	5	0	0	0	0	0	1	0	1	0	3	0	0	0	0	0
Dawn	3	3	0	0	0	0	0	0	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
Dusk	3	1	2	0	0	0	0	0	0	0	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
Dark - Lighted Roadway	46	36	10	0	0	0	0	0	0	0	0	0	0	6	1	30	9	10	2	20	7	5	1	1	3	2	1	5	2	6	0	0	0	1	0
Dark - Roadway Not Lighted	8	6	2	0	0	0	0	0	0	0	0	0	0	1	1	5	1	0	1	5	0	1	0	0	0	3	0	1	0	0	0	0	0	0	0
Dark - Unknown Roadway Lighting	1	0	1	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
Unknown	12	8	4	0	0	0	0	0	0	0	0	0	0	7	2	1	2	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	139	101	38	0	0	0	0	0	0	0	0	0	0	33	13	68	25	39	18	30	7	6	1	1	3	6	1	7	2	9	0	0	0	1	0

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	0	0	4	2	9	5	1	0	4	1	9	2	7	1	5	4	39	15	54
Motorcyclist	0	0	0	0	2	0	5	0	5	1	7	0	6	0	4	0	0	0	29	1	30
Passenger	1	1	1	3	2	2	2	3	1	2	1	0	1	1	1	0	0	0	10	12	22
Pedestrian	2	2	0	0	1	0	0	2	1	0	5	0	7	1	3	2	0	2	19	9	28
Bicyclist	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	1
Rider on Animal	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	1
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	2	1	3
Total	**3**	**3**	**1**	**3**	**9**	**4**	**16**	**10**	**8**	**3**	**18**	**1**	**25**	**5**	**16**	**3**	**5**	**6**	**101**	**38**	**139**

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	1	0	0	0	0	0	1	1	0	0	2	0	2	0	0	0	2	0	8	1	9
February	0	0	1	0	1	2	3	3	0	0	1	0	4	0	1	0	0	1	11	6	17
March	0	0	0	0	0	0	1	1	0	0	1	0	1	0	0	0	0	0	3	1	4
April	0	1	0	0	3	1	1	1	1	0	0	0	4	0	0	0	1	0	10	3	13
May	0	0	0	0	0	0	0	0	0	2	1	0	2	0	1	0	0	0	4	2	6
June	0	0	0	0	1	0	2	0	1	0	3	0	1	0	2	1	1	0	11	1	12
July	1	0	0	3	1	0	3	0	2	0	2	0	2	1	0	0	0	0	11	4	15
August	1	0	0	0	1	0	1	0	1	1	1	0	5	3	3	0	1	2	14	6	20
September	0	0	0	0	0	1	2	1	0	0	2	1	2	0	2	1	0	1	8	5	13
October	0	2	0	0	0	0	0	3	2	0	1	0	2	0	3	0	0	0	8	5	13
November	0	0	0	0	0	0	2	0	1	0	3	0	0	0	3	0	0	1	9	1	10
December	0	0	0	0	2	0	0	0	0	0	1	0	0	1	1	1	0	1	4	3	7
Total	**3**	**3**	**1**	**3**	**9**	**4**	**16**	**10**	**8**	**3**	**18**	**1**	**25**	**5**	**16**	**3**	**5**	**6**	**101**	**38**	**139**

MONTH AND AGE GROUPS

TABLE 45

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	0	0	1	0	0	0	2	0	0	0	0	0	0	0	3	0	3
February	0	0	1	0	1	1	0	3	0	0	0	0	1	0	0	0	0	0	3	4	7
March	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1	2
April	0	0	0	0	1	0	1	0	1	0	0	0	2	0	0	0	0	0	5	0	5
May	0	0	0	0	0	0	0	0	0	2	1	0	1	0	0	0	0	0	2	2	4
June	0	0	0	0	1	0	2	0	1	0	3	0	1	0	0	0	1	0	9	0	9
July	0	0	0	3	0	0	2	0	0	0	1	0	1	1	0	0	0	0	4	4	8
August	1	0	0	0	1	0	1	0	0	1	1	0	3	0	1	0	0	0	8	1	9
September	0	0	0	0	0	1	0	1	0	0	2	0	2	0	1	0	0	1	5	3	8
October	0	1	0	0	0	0	0	3	1	0	0	0	2	0	2	0	0	0	5	4	9
November	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	3	0	3
December	0	0	0	0	2	0	0	0	0	0	0	0	0	1	1	0	0	1	3	2	5
Total	**1**	**1**	**1**	**3**	**6**	**2**	**9**	**8**	**3**	**3**	**11**	**0**	**13**	**2**	**6**	**0**	**1**	**2**	**51**	**21**	**72**

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	2	0	0	0	1	1	3	0	1	0	1	1	1	1	0	0	0	0	3	0	1	1	0	1	9	1	2	1	2	3
Brain, Fracture of Skull and Body Fractures	3	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	3
Extremities	1	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	1	2	0	0	0	2	0	4	0	0	0	2	2
Head and Extremities	3	0	1	0	0	2	1	1	0	0	0	0	0	0	0	0	0	0	0	5	7	0	3	4	4	1	1	0	0	2
Head and Trunk	4	1	0	0	2	1	1	0	0	0	0	1	3	1	0	0	1	1	0	0	0	0	0	0	8	2	0	0	3	3
Head, Trunk and Extremities	28	9	12	2	2	3	20	4	10	0	3	3	15	6	8	0	0	1	19	0	0	0	0	0	82	24	37	2	8	11
Miscellaneous Injuries	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	2	0	0	0	1	1
Spinal Cord, Fracture of Vertebra	2	0	0	0	0	2	1	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	1	4	0	0	0	0	4
Trunk	3	0	0	0	0	3	1	0	0	1	0	0	1	0	0	0	0	1	1	0	0	0	0	1	6	0	0	1	0	5
Trunk and Extremities	7	0	3	0	1	3	3	0	3	0	0	0	1	0	1	0	0	0	1	0	1	0	0	0	12	0	8	0	1	3
Total	**54**	**10**	**16**	**2**	**7**	**19**	**30**	**5**	**14**	**1**	**4**	**6**	**22**	**8**	**9**	**0**	**1**	**4**	**28**	**5**	**9**	**1**	**5**	**8**	**134**	**28**	**48**	**4**	**17**	**37**

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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	3	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	6	0	3	0	1	2
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	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	0	0	0	0
18 - 24	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	11	1	6	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	13	2	7	0	2	2
25 - 34	0	0	0	0	0	0	2	0	1	0	0	1	0	0	0	0	0	0	1	0	0	0	1	0	22	10	6	2	2	2	0	0	0	0	0	0	1	0	0	1	0	0	26	10	7	3	3	3
35 - 44	0	0	0	0	0	0	2	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	9	2	4	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	11	2	5	0	1	3
45 - 54	0	0	0	0	0	0	2	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	15	3	8	0	0	4	1	0	0	0	0	1	1	0	0	0	0	1	19	3	8	1	1	6
55 - 64	0	0	0	0	0	0	2	0	0	0	1	1	0	0	0	0	0	0	2	0	0	0	1	1	23	4	11	0	4	4	2	0	0	0	0	2	1	0	0	0	0	1	30	4	11	0	6	9
65 - 74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	1	1	12	2	5	0	2	3	3	0	0	0	0	3	2	0	0	0	0	2	19	2	5	0	3	9
75 and Over	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	9	1	3	0	1	4	0	0	0	0	0	0	1	0	0	0	0	1	11	1	3	0	1	6
Total	**0**	**0**	**0**	**0**	**0**	**0**	**9**	**1**	**2**	**1**	**2**	**3**	**0**	**0**	**0**	**0**	**0**	**0**	**7**	**0**	**1**	**0**	**3**	**3**	**111**	**27**	**46**	**2**	**13**	**23**	**6**	**0**	**0**	**0**	**0**	**6**	**6**	**0**	**0**	**1**	**0**	**5**	**139**	**28**	**49**	**4**	**18**	**40**

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

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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	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	6	1	3	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	6	1	3	0	1	1
25 - 34	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	1	0	12	5	2	2	1	2	0	0	0	0	0	0	0	0	0	0	0	0	14	5	2	2	2	3
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	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	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	1	1	0	0	2	1	0	0	0	0	1	0	0	0	0	0	0	5	1	1	0	0	3
55 - 64	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	9	1	4	0	1	3	0	0	0	0	0	0	1	0	0	0	0	1	11	1	4	0	2	4
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	6	1	4	0	1	0	1	0	0	0	0	1	1	0	0	0	0	1	8	1	4	0	1	2
75 and Over	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	7	0	2	0	1	4	0	0	0	0	0	0	1	0	0	0	0	1	9	0	2	0	1	6
Total	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**0**	**0**	**0**	**1**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**0**	**0**	**0**	**1**	**1**	**45**	**10**	**16**	**2**	**5**	**12**	**2**	**0**	**0**	**0**	**0**	**2**	**3**	**0**	**0**	**0**	**0**	**3**	**54**	**10**	**16**	**2**	**7**	**19**

MAJOR INJURY AND SURVIVAL INTERVAL - AGE GROUPS (MOTORCYCLISTS)

TABLE 47B

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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	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	1	0	1	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2	0	1	0	0	1
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	3	1	2	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	5	1	3	1	0	0
35 - 44	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	5	1	2	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	6	1	2	0	1	2
45 - 54	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	6	1	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	1	5	0	1	0
55 - 64	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	2	2	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	6	2	2	0	1	1
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	3	0	1	0	1	1	1	0	0	0	0	1	0	0	0	0	0	0	4	0	1	0	1	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	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**	**3**	**0**	**1**	**0**	**1**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**1**	**0**	**0**	**0**	**24**	**5**	**12**	**0**	**3**	**4**	**1**	**0**	**0**	**0**	**0**	**1**	**1**	**0**	**0**	**1**	**0**	**0**	**30**	**5**	**14**	**1**	**4**	**6**

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

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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	0	0	1
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	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	0	0	0	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	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	1	3	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	5	3	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	5	3	1	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	3	0	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	3	0	2	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	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	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	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	0	0	1
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1
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	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**	**1**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**1**	**19**	**7**	**9**	**0**	**1**	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**1**	**22**	**8**	**9**	**0**	**1**	**4**

MAJOR INJURY AND SURVIVAL INTERVAL - AGE GROUPS (PEDESTRIANS)

TABLE 47D

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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	2	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	4	0	2	0	1	1
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	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	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	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	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	1	0	0	0
35 - 44	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
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	3	1	1	0	0	1	0	0	0	0	0	0	1	0	0	0	0	1	5	1	1	1	0	2
55 - 64	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	1	0	5	1	3	0	1	0	1	0	0	0	0	1	0	0	0	0	0	0	8	1	3	0	2	2
65 - 74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	1	1	3	1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	5	1	0	0	1	3
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	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	1	0	0	0
Total	**0**	**0**	**0**	**0**	**0**	**0**	**3**	**0**	**1**	**1**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**3**	**0**	**0**	**0**	**2**	**1**	**20**	**5**	**8**	**0**	**3**	**4**	**1**	**0**	**0**	**0**	**0**	**1**	**1**	**0**	**0**	**0**	**0**	**1**	**28**	**5**	**9**	**1**	**5**	**8**

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																																	
Passenger	0	0	0	0	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
Bedford 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
Motorcyclist	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
Brecksville																																	
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
Brook Park																																	
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
Cleveland																																	
Driver	4	0	3	1	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	1	0	15
Motorcyclist	0	0	0	0	6	1	0	0	0	0	0	1	4	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
Passenger	0	1	1	4	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	11
Pedestrian	0	0	0	0	0	0	0	0	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	1	0	5	2	16
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	1	0	1
Cleveland Heights																																	
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
East Cleveland																																	
Driver	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	0	0	0	0	0	2
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	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
Euclid																																	
Motorcyclist	0	0	0	0	0	0	0	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	2
Garfield Heights																																	
Driver	0	0	1	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
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	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
Independence																																	
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

**Includes: Ambulance-Auto; Bus-Pedestrian; Train-Pedestrian; and Unknown Motor Vehicle Pedestrian.

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

TABLE 48A

	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				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	
Maple Heights																																	
Passenger	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
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	1	0	0	0	0	0	1
Middleburg Heights																																	
Passenger	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
Olmsted Falls																																	
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	1	0	0	0	0	0	0	0	0	0	2
Motorcyclist	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
Unknown	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
Parma Heights																																	
Pedestrian	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	2
Rocky River																																	
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
Shaker 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
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																																	
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
Warrensville 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
Westlake																																	
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
Total	9	2	7	8	9	2	0	0	4	3	7	3	6	0	0	0	3	0	0	0	1	0	3	0	0	0	5	4	3	1	7	2	89

**Includes: Ambulance-Auto; Bus-Pedestrian; Train-Pedestrian; and Unknown Motor Vehicle Pedestrian.

TABLE 48B 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				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: Bratenahl 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
Gates Mills 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	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
Mayfield Village 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
Orange Village 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
Villages: Olmsted Township 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
Total	**0**	**0**	**3**	**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**	**0**	**0**	**6**

GEOGRAPHICAL LOCATION - TYPE OF ACCIDENT* - CLASSIFICATION OF VICTIMS

TABLE 48C

	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				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	2	2	2	0	0	0	0	0	0	4	3	0	0	0	0	0	0	0	0	1	0	2	0	0	0	0	0	0	0	1	1	19
Motorcyclist	0	0	0	0	2	0	0	0	0	0	0	0	3	0	1	0	1	0	1	0	1	0	0	0	0	0	0	0	1	0	0	0	9
Passenger	1	0	0	0	0	1	0	0	0	0	0	2	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1	8
Pedestrian	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	5
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
Rider on Animal	0	0	0	0	0	0	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 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	1	0	1
Total	**2**	**2**	**2**	**2**	**2**	**1**	**0**	**0**	**3**	**0**	**4**	**5**	**3**	**0**	**1**	**0**	**1**	**1**	**2**	**0**	**2**	**0**	**3**	**0**	**0**	**0**	**1**	**0**	**1**	**0**	**4**	**2**	**44**

**Includes: Truck-Animal With Buggy; Truck-Bicycle; Unknown Motor Vehicle Collision; Unknown Motor Vehicle-Bicycle; and Unknown Motor Vehicle-Fixed Object.

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	1	1	1	1	1	0	1	0	1	0	1	0	0	0	0	0	0	1	0	1	0	1	0	1	1	1	1	1	1	0	0	0	0	0	0	0	3	0	2	0	1	3	6	3	5	3	4	9
1:00 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	1	0	1	0	1	0	2	0	1	0	1	0	2
2:00 A.M.	0	1	0	1	0	1	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	3	0	3	0	3	0	5	2	5	2	5	2	7
3:00 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	1	0	1	0	1	0	2	0	2	0	2	0	4	0	4	0	3	0	4
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	1	0	0	0	0	0	1	0	0	0	0	0	1
5:00 A.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
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	2	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	3	0	1	0	3
7:00 A.M.	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	1	0	1	0	0	2	3	2	1	0	0	5
8:00 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	2	0	1	0	0	0	0	1	0	0	0	0	4	1	3	0	0	0	5
9:00 A.M.	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	2	0	1	0	3
10:00 A.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
11:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	2	1	1	1	0	0	3
Total A.M.	**3**	**2**	**2**	**2**	**2**	**2**	**3**	**2**	**3**	**1**	**0**	**1**	**2**	**1**	**2**	**1**	**1**	**1**	**5**	**2**	**4**	**1**	**1**	**0**	**6**	**1**	**5**	**1**	**3**	**1**	**5**	**0**	**4**	**0**	**1**	**0**	**7**	**5**	**6**	**3**	**6**	**1**	**31**	**13**	**26**	**9**	**14**	**6**	**44**
12:00 P.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	2	0	2	0	0	0	3	2	1	0	0	0	0	0	0	0	0	0	6	2	3	0	0	0	8
1:00 P.M.	1	0	1	0	0	0	1	0	0	0	0	0	1	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	3	2	2	1	0	0	5
2:00 P.M.	2	1	1	1	0	0	0	0	0	0	0	0	2	0	1	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2	2	0	1	0	0	7	4	2	2	0	0	11
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	1	1	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	1	1	1	0	0	3
4:00 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	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	3	0	2	0	1	0	3
5:00 P.M.	3	0	2	0	1	0	2	3	2	2	0	0	1	1	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1	0	1	0	1	0	8	5	6	4	2	0	13
6:00 P.M.	2	2	1	1	0	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	1	0	0	0	1	2	1	2	0	0	6	4	4	3	0	0	10
7:00 P.M.	0	1	0	1	0	0	2	0	2	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	2	0	2	0	1	0	0	0	0	0	0	0	2	0	1	0	1	0	7	1	5	1	3	0	8
8:00 P.M.	1	0	1	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	1	0	1	0	0	0	0	0	0	1	0	1	0	0	4	1	3	1	1	0	5
9:00 P.M.	1	0	1	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	2	0	2	0	1	0	2	0	1	0	0	0	1	0	1	0	1	0	8	0	7	0	3	0	8
10:00 P.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	1	0	1	0	1	0	0	1	0	1	0	0	1	1	0	1	0	1	3	2	1	2	1	1	5
11:00 P.M.	1	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	2	0	1	0	1	0	2	1	2	0	2	0	1	0	1	0	1	0	0	0	0	0	0	0	7	1	5	0	5	0	8
Total P.M.	**12**	**4**	**8**	**3**	**3**	**0**	**8**	**3**	**6**	**2**	**1**	**0**	**5**	**1**	**3**	**1**	**0**	**0**	**7**	**2**	**2**	**2**	**1**	**0**	**13**	**3**	**12**	**1**	**6**	**0**	**9**	**3**	**5**	**1**	**1**	**0**	**10**	**7**	**5**	**5**	**4**	**1**	**64**	**23**	**41**	**15**	**16**	**1**	**87**
Grand Total	**15**	**6**	**10**	**5**	**5**	**2**	**11**	**5**	**9**	**3**	**1**	**1**	**7**	**2**	**5**	**2**	**1**	**1**	**12**	**4**	**6**	**3**	**2**	**0**	**19**	**4**	**17**	**2**	**9**	**1**	**14**	**3**	**9**	**1**	**2**	**0**	**17**	**12**	**11**	**8**	**10**	**2**	**95**	**36**	**67**	**24**	**30**	**7**	**131**

***Day and/or time is unknown for 8 cases.**

HOURLY - DAILY - ETHANOL INCIDENCE (DRIVERS)

TABLE 49A

	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	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
1:00 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
2:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	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	1	0	1	0	1	0	2	1	2	1	2	1	3
3:00 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	1	0	1	0	1	0	0	0	0	0	0	0	2	0	2	0	1	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	0	0	0	0	0	0	0	0	0	0	0	0
5:00 A.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
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	1	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	1	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	0	0	0	0	0	0	2	1	2	0	0	0	3
8:00 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	1	0	0	0	0	0	0	1	0	0	0	0	2	1	1	0	0	0	3
9:00 A.M.	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	2	0	1	0	3
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	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	0	0	0	0	1
Total A.M.	**2**	**0**	**1**	**0**	**1**	**0**	**1**	**2**	**1**	**1**	**0**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**4**	**0**	**3**	**0**	**0**	**0**	**3**	**0**	**2**	**0**	**0**	**0**	**3**	**0**	**2**	**0**	**1**	**0**	**1**	**1**	**1**	**0**	**1**	**0**	**15**	**4**	**11**	**2**	**4**	**2**	**19**
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	2	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	3
1:00 P.M.	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	0	0	0	0	0	0	1	0	1	0	0	1
2:00 P.M.	2	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	6	2	2	0	0	0	8
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	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	2
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	1	0	1	0	1	0	1	0	1	0	1	0	1
5:00 P.M.	1	0	1	0	1	0	1	1	1	0	0	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	3	2	3	1	1	0	5
6:00 P.M.	2	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	0	0	0	0	0	0	3	0	2	0	0	0	3
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	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	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	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
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	0	0	0	0	0	0	0	0	0	0	2	0	1	0	0	0	2
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	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	1
11:00 P.M.	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	0	0	0	0	0	0	0	0	0	0	0	0	2	1	2	0	2	0	3
Total P.M.	**6**	**0**	**4**	**0**	**2**	**0**	**2**	**1**	**2**	**0**	**1**	**0**	**2**	**1**	**2**	**1**	**0**	**0**	**2**	**1**	**1**	**1**	**1**	**0**	**3**	**3**	**3**	**1**	**0**	**0**	**4**	**3**	**1**	**1**	**0**	**0**	**3**	**1**	**1**	**0**	**1**	**0**	**22**	**10**	**14**	**4**	**5**	**0**	**32**
Grand Total	**8**	**0**	**5**	**0**	**3**	**0**	**3**	**3**	**3**	**1**	**1**	**1**	**3**	**2**	**3**	**2**	**1**	**1**	**6**	**1**	**4**	**1**	**1**	**0**	**6**	**3**	**5**	**1**	**0**	**0**	**7**	**3**	**3**	**1**	**1**	**0**	**4**	**2**	**2**	**0**	**2**	**0**	**37**	**14**	**25**	**6**	**9**	**2**	**51**

***Day and/or time is unknown for 3 cases.**

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.	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	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	0	2	0	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	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	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	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	1	0	1	0	1	0	1	0	1	0	1	0	1
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	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	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	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
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	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1
Total A.M.	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**1**	**0**	**0**	**0**	**1**	**0**	**1**	**0**	**0**	**0**	**1**	**0**	**1**	**0**	**1**	**0**	**1**	**0**	**1**	**0**	**1**	**0**	**1**	**0**	**1**	**0**	**0**	**0**	**3**	**0**	**3**	**0**	**3**	**0**	**8**	**0**	**8**	**0**	**5**	**0**	**8**
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.	1	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	0	0	0	2
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.	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
5:00 P.M.	0	0	0	0	0	0	1	0	1	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	0	1	0	1	0	2	1	2	1	1	0	3
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	1	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	2	0	1	0	0	0	2
7:00 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	1	0	1	0	1	0	2	0	2	0	1	0	2
8:00 P.M.	1	0	1	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	1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	3	0	1	0	3
9:00 P.M.	1	0	1	0	1	0	1	0	1	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	0	0	0	0	0	0	4	0	4	0	2	0	4
10:00 P.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	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	0	1	0	2
11:00 P.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	1	0	1	0	1	0	0	0	0	0	0	0	2	0	1	0	1	0	2
Total P.M.	**4**	**0**	**3**	**0**	**1**	**0**	**5**	**0**	**4**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**3**	**1**	**1**	**1**	**0**	**0**	**4**	**0**	**3**	**0**	**3**	**0**	**2**	**0**	**2**	**0**	**1**	**0**	**2**	**0**	**2**	**0**	**2**	**0**	**21**	**1**	**15**	**1**	**7**	**0**	**22**
Grand Total	**4**	**0**	**3**	**0**	**1**	**0**	**6**	**0**	**5**	**0**	**0**	**0**	**2**	**0**	**1**	**0**	**0**	**0**	**4**	**1**	**2**	**1**	**1**	**0**	**5**	**0**	**4**	**0**	**4**	**0**	**3**	**0**	**3**	**0**	**1**	**0**	**5**	**0**	**5**	**0**	**5**	**0**	**29**	**1**	**23**	**1**	**12**	**0**	**30**

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	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	0	0	0	0	0	0	3	0	2	0	1	0	5	0	4	0	3	5
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	1	0	1	0	1	0	1	0	1	0	1	0	1
2:00 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	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	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	1	0	1	0	1	0	1	0	1	0	1	0	1
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	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1	0	1	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	1	0	1	0	0	0	0	0	0	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	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.	**0**	**2**	**0**	**2**	**0**	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**0**	**1**	**0**	**0**	**0**	**2**	**4**	**2**	**3**	**2**	**1**	**4**	**7**	**4**	**6**	**3**	**4**	**11**
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	1	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2	0	1	0	0	0	2
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	0	0	0	0	0	0	0	0	0	0	0	0	0
2:00 P.M.	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	2	0	2	0	0	2
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	1	0	0	0	0	0	1	0	0	0	0	0	1
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.	2	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	0	0	0	0	2	1	1	1	0	0	3
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	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	0	0	1	0	1	0	0	1
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	0	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 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	1	0	1	0	1	1	1	0	1	0	1	2
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	0	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 P.M.	**2**	**2**	**1**	**2**	**0**	**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**	**1**	**0**	**0**	**0**	**0**	**0**	**2**	**2**	**0**	**2**	**0**	**1**	**6**	**5**	**2**	**5**	**0**	**1**	**11**
Grand Total	**2**	**4**	**1**	**4**	**0**	**2**	**0**	**1**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**1**	**2**	**1**	**1**	**1**	**2**	**0**	**1**	**0**	**0**	**0**	**4**	**6**	**2**	**5**	**2**	**2**	**10**	**12**	**6**	**11**	**3**	**5**	**22**

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.	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	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	0	0	0	0	0	0	0	0	0	0	0	0	0	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	1	0	0	0	0	0	1	0	0	0	0	0	1
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	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	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	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	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	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	1
Total A.M.	**1**	**0**	**1**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**0**	**1**	**0**	**0**	**1**	**0**	**1**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**3**	**2**	**2**	**1**	**2**	**0**	**5**
12:00 P.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	1	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	3	0	2	0	0	0	3
1:00 P.M.	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	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	1	0	0	0	2
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	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 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
6:00 P.M.	0	2	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	1	2	1	2	0	0	1	4	1	3	0	0	5
7:00 P.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	1	0	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	3	0	1	0	1	0	3
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	1	0	1	0	0	0	1	0	1	0	0	1
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	1	0	1	0	0	0	1	0	1	0	1	0	2	0	2	0	1	0	2
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:00 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	2	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	2	0	2	0	3
Total P.M.	**0**	**2**	**0**	**1**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**2**	**1**	**0**	**0**	**0**	**0**	**2**	**0**	**0**	**0**	**0**	**0**	**5**	**0**	**5**	**0**	**3**	**0**	**2**	**0**	**2**	**0**	**0**	**0**	**3**	**4**	**2**	**3**	**1**	**0**	**15**	**6**	**10**	**4**	**4**	**0**	**21**
Grand Total	**1**	**2**	**1**	**1**	**1**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**2**	**1**	**0**	**0**	**0**	**0**	**2**	**2**	**0**	**1**	**0**	**0**	**6**	**0**	**6**	**0**	**4**	**0**	**2**	**0**	**2**	**0**	**0**	**0**	**4**	**4**	**2**	**3**	**1**	**0**	**18**	**8**	**12**	**5**	**6**	**0**	**26**

HOURLY AND DAILY INCIDENCE* ARRANGED BY CLASSIFICATION

TABLE 50

	Sunday								Monday								Tuesday								Wednesday								Thursday								Friday								Saturday								Totals								
	Driver		Motorcyist		Passenger		Pedestrian		Driver		Motorcyist		Passenger		Pedestrian		Driver		Motorcyist		Passenger		Pedestrian		Driver		Motorcyist		Passenger		Pedestrian		Driver		Motorcyist		Passenger		Pedestrian		Driver		Motorcyist		Passenger		Pedestrian		Driver		Motorcyist		Passenger		Pedestrian		Driver		Motorcyist		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	Grand Total
12:00 A.M.	0	0	0	0	0	1	1	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	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	1	2	0	0	5	1	0	9
1:00 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	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	2
2:00 A.M.	0	0	0	0	0	1	0	0	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	0	0	0	0	0	0	0	0	0	1	0	2	0	0	0	0	0	2	1	2	0	1	1	0	0	7
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	1	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	1	0	1	0	0	0	0	4
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	0	0	0	0	0	0	0	0	0	0	1	0	1
5:00 A.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	0	0	0	0	0	0	0	0	0	0	0	0	0	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
6:00 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	1	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	3
7:00 A.M.	0	0	0	0	0	0	0	0	0	1	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	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	2	1	0	0	0	1	0	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	1	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	0	0	0	1	0	0	0	0	0	0	2	1	0	0	1	0	0	0	4
9:00 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	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	3	0	0	0	0	0	0	0	3
10:00 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	0	0	0	0	0	0	0	0	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
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	1	0	0	0	0	0	0	1	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	0	0	0	0	1	3
Total A.M.	2	0	0	0	0	2	1	0	1	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	4	0	1	0	0	0	0	2	3	0	1	0	1	1	1	0	3	0	1	0	1	0	0	0	1	1	3	0	2	4	1	0	15	4	8	0	4	7	3	2	43
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	0	0	0	0	1	0	1	0	1	2	0	0	1	0	1	0	0	0	0	0	0	0	0	0	1	2	0	0	2	0	3	0	8
1:00 P.M.	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	1	0	1	2	0	0	0	1	1	5
2:00 P.M.	2	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	1	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	1	0	0	0	1	0	0	6	2	1	0	0	2	0	0	11
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	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	0	1	0	0	0	3
4:00 P.M.	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	1	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	3
5:00 P.M.	1	0	0	0	2	0	0	0	1	1	1	0	0	1	0	0	0	1	0	0	0	0	1	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	0	0	0	0	0	0	0	0	0	1	0	0	0	3	2	2	1	2	1	1	0	12
6:00 P.M.	2	0	0	0	0	0	0	2	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	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	2	3	0	2	0	0	0	1	4	10
7:00 P.M.	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	0	0	0	1	0	1	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	1	0	2	0	2	0	0	1	3	0	8
8:00 P.M.	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	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	1	1	0	3	0	0	0	0	1	5
9:00 P.M.	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	1	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	2	0	4	0	0	0	2	0	8
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	1	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	1	2	0	1	1	0	0	5
11:00 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	1	0	1	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	1	2	0	0	0	3	0	8
Total P.M.	6	0	4	0	2	2	0	2	2	1	5	0	0	1	1	0	2	1	1	0	0	0	2	0	2	1	3	1	0	0	2	0	3	3	4	0	1	0	5	0	4	3	2	0	1	0	2	0	3	1	2	0	2	2	3	4	22	10	21	1	6	5	15	6	86
Grand Total	8	0	4	0	2	4	1	2	3	3	6	0	0	1	1	0	3	2	2	0	0	0	2	0	6	1	4	1	0	0	2	2	6	3	5	0	2	1	6	0	7	3	3	0	2	0	2	0	4	2	5	0	4	6	4	4	37	14	29	1	10	12	18	8	129

*Day and/or time is unknown for 5 cases.

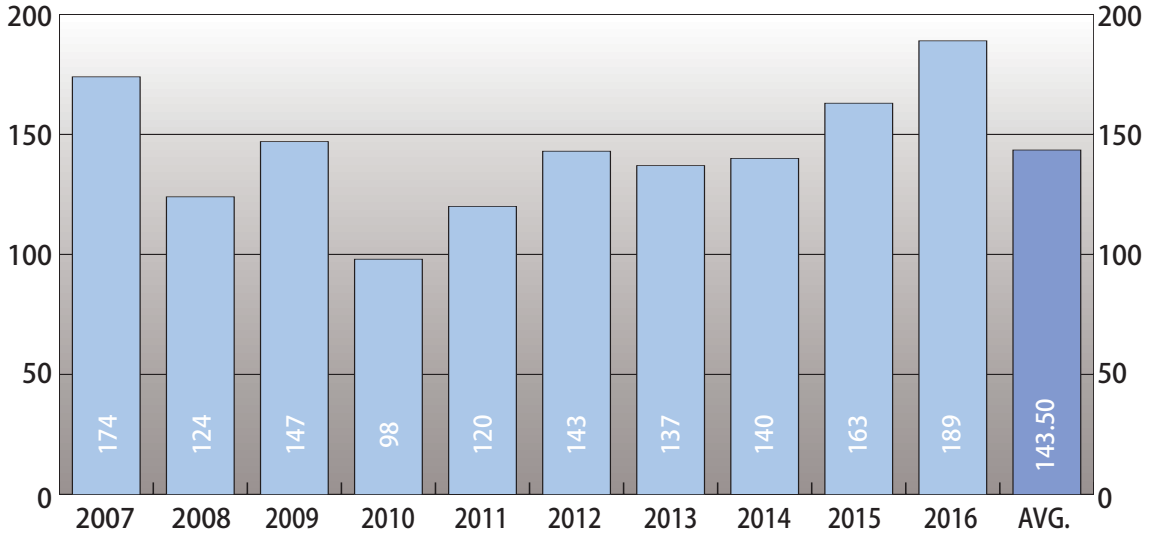
TABLE 51 HOURLY AND DAILY INCIDENCE* ARRANGED BY AGE GROUPS

	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	Grand Total
12:00 A.M.	0	0	0	0	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	3	3	3	9
1:00 A.M.	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	1	0	0	0	0	0	2	0	2
2:00 A.M.	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	5	2	7
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	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	0	0	0	0	0	4	0	4
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	1	0	0	0	0	0	1	0	1
5:00 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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
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	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	3
7:00 A.M.	0	0	0	0	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	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	2	3	5
8:00 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	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	1	0	0	0	0	4	1	5
9:00 A.M.	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	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	3
10:00 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	0	0	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2	1	3
Total A.M.	**0**	**0**	**0**	**0**	**3**	**2**	**0**	**0**	**0**	**0**	**3**	**2**	**0**	**0**	**0**	**0**	**2**	**1**	**0**	**0**	**0**	**0**	**5**	**2**	**0**	**0**	**0**	**0**	**6**	**1**	**0**	**0**	**0**	**0**	**5**	**0**	**0**	**0**	**0**	**3**	**7**	**2**	**0**	**0**	**0**	**3**	**31**	**10**	**44**
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	1	0	0	0	0	0	2	0	0	0	0	0	3	2	0	0	0	0	0	0	0	0	0	0	6	2	8
1:00 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	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	3	1	5
2:00 P.M.	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	7	4	11
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	1	1	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	1	1	3
4:00 P.M.	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	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	3	0	3
5:00 P.M.	0	0	1	0	2	0	0	0	0	1	2	2	0	0	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	2	1	6	4	13
6:00 P.M.	0	0	0	0	2	2	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	1	1	1	0	0	0	1	6	3	10
7:00 P.M.	0	0	0	1	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	1	1	6	0	8
8:00 P.M.	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	1	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	4	1	5
9:00 P.M.	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	0	0	0	0	0	2	0	0	0	0	0	1	0	0	0	0	0	8	0	8
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	1	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	1	1	0	0	0	1	3	1	5
11:00 P.M.	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	7	1	8
Total P.M.	**0**	**0**	**1**	**1**	**11**	**3**	**0**	**0**	**0**	**1**	**8**	**2**	**0**	**0**	**1**	**0**	**4**	**1**	**0**	**0**	**1**	**0**	**6**	**2**	**0**	**0**	**0**	**0**	**13**	**3**	**0**	**0**	**0**	**1**	**9**	**2**	**1**	**0**	**0**	**2**	**9**	**5**	**1**	**0**	**3**	**5**	**60**	**18**	**87**
Grand Total	**0**	**0**	**1**	**1**	**14**	**5**	**0**	**0**	**0**	**1**	**11**	**4**	**0**	**0**	**1**	**0**	**6**	**2**	**0**	**0**	**1**	**0**	**11**	**4**	**0**	**0**	**0**	**0**	**19**	**4**	**0**	**0**	**0**	**1**	**14**	**2**	**1**	**0**	**0**	**5**	**16**	**7**	**1**	**0**	**3**	**8**	**91**	**28**	**131**

***Day and/or time is unknown for 8 cases.**

2016 HOMICIDES

FOR A PERIOD OF TEN YEARS



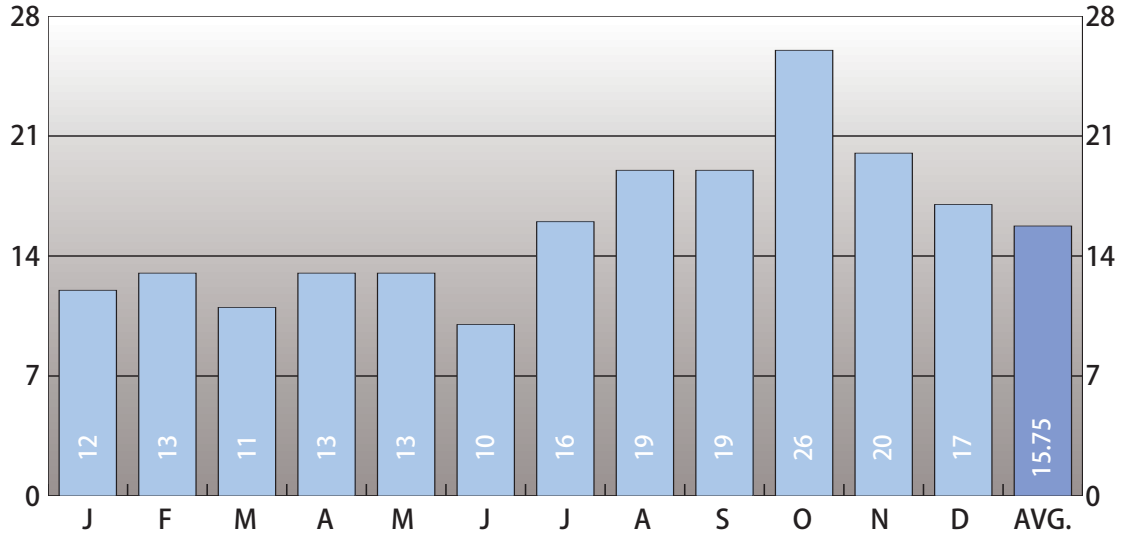
2016

TOTAL CASES

189

2015 HOMICIDES

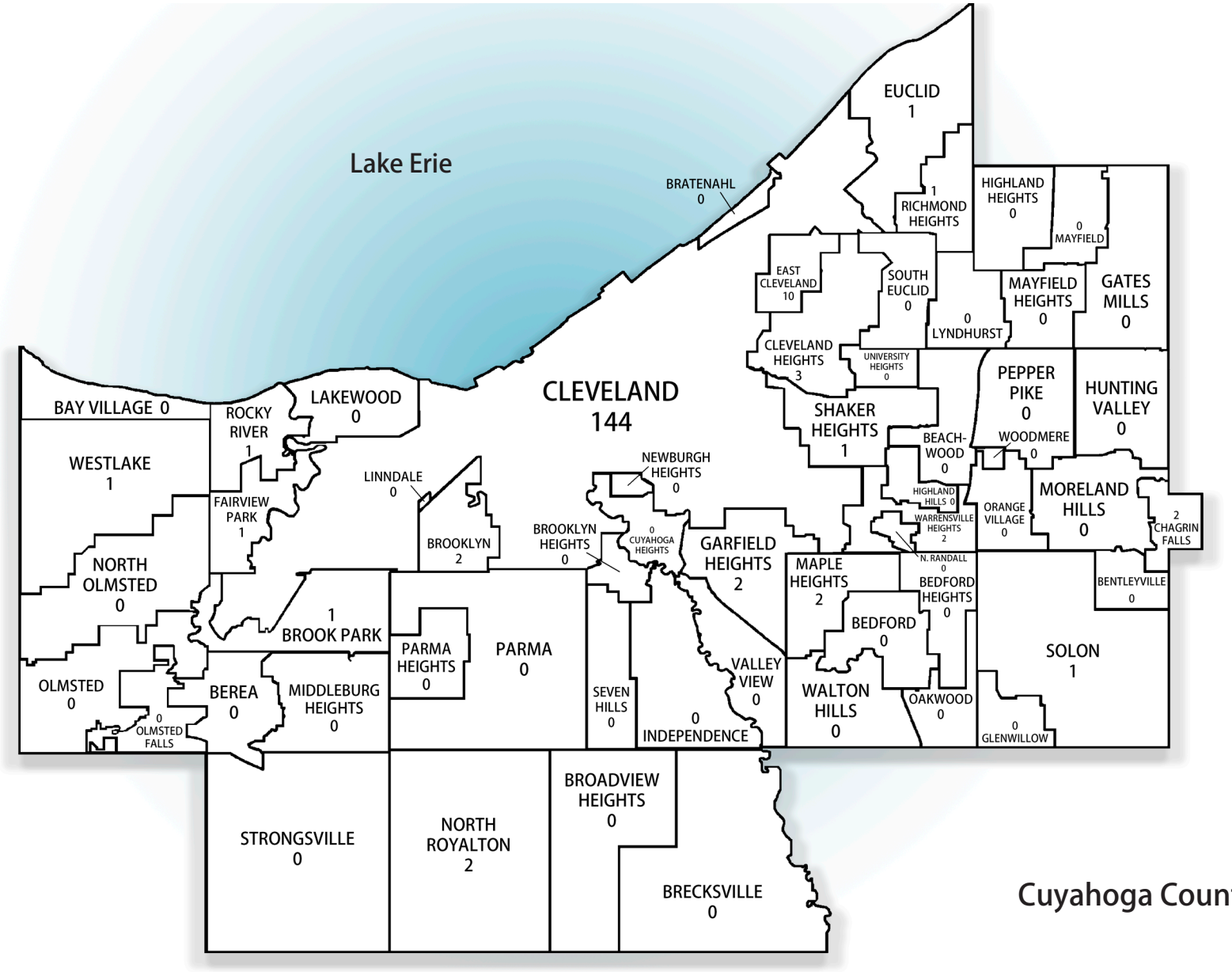
BY MONTH FOR THE YEAR 2016



		Number	Percent
Gender	Male	151	79.89%
	Female	38	20.11%
Race	White	37	19.58%
	Black	149	78.84%
	American Indian / Alaska Native	1	0.53%
	Asian	1	0.53%
	Asian Indian	1	0.53%
Ethnicity	Hispanic	13	6.88%
	Non-Hispanic	176	93.12%
Ethanol	Tested	184	97.35%
	Positive	59	31.22%
Autopsied		187	98.94%

MAP 5A

DISTRIBUTION OF HOMICIDES BY CITY*

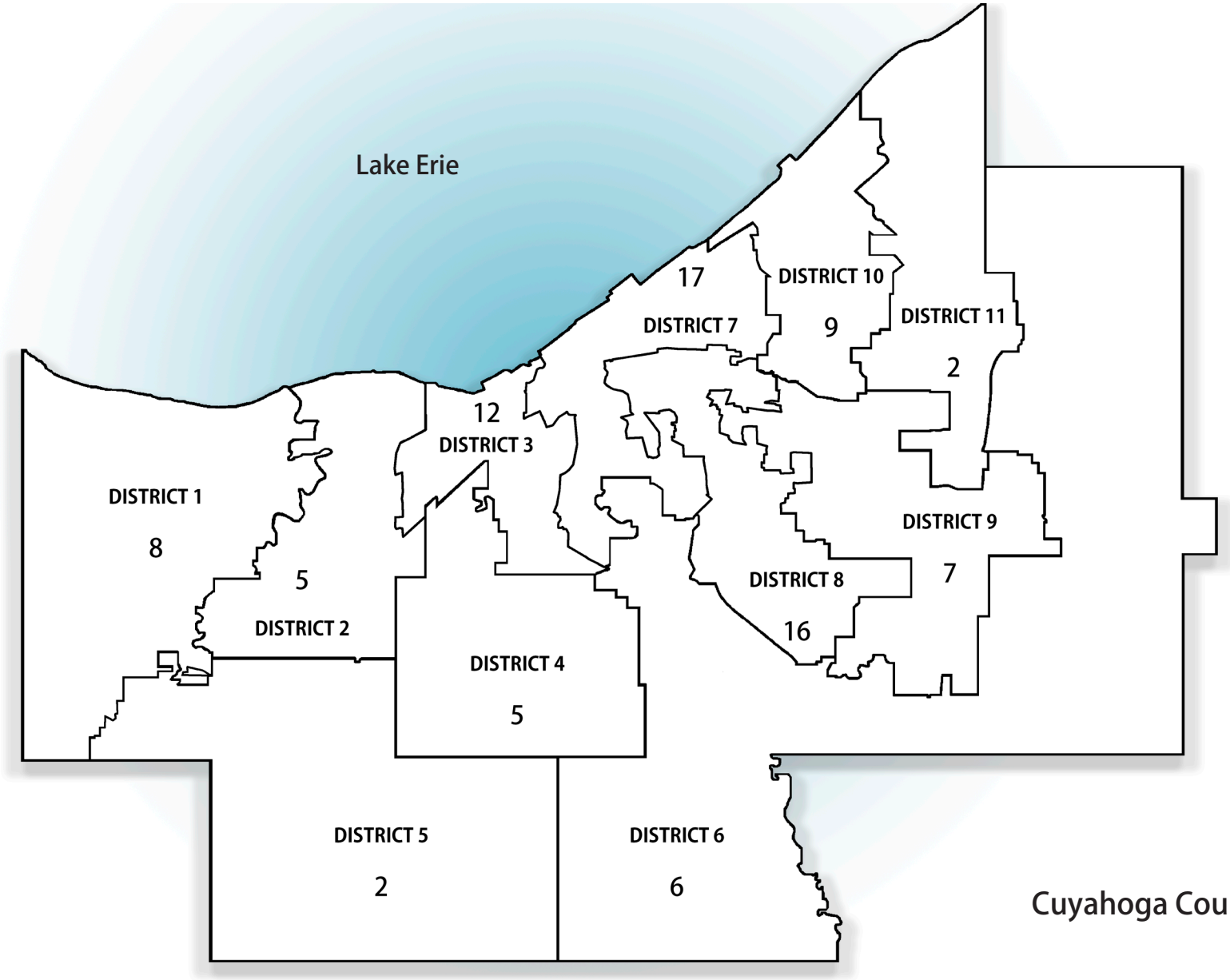


Cuyahoga County, Ohio

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

DISTRIBUTION OF HOMICIDES BY COUNCIL DISTRICT*

MAP 5B



* Injury location is unknown for 6 cases and 6 cases are from outside of Cuyahoga County. Council district was undetermined and/or not analyzed for 88 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.	12	11	1	10	0	0	1	0	0	1	0	0	0	11	1	8	0	3	1	2	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0
Feb.	13	7	6	4	2	2	4	0	0	1	0	0	0	7	6	3	5	4	1	1	0	1	0	1	0	0	1	0	0	1	0	0	0	0	0
Mar.	11	8	3	5	1	2	2	0	0	1	0	0	0	8	3	7	2	1	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
Apr.	13	9	4	7	2	2	1	0	1	0	0	0	0	9	4	7	2	2	2	0	2	1	0	1	0	0	0	0	0	0	0	0	0	0	0
May	13	11	2	9	1	2	1	0	0	0	0	0	0	11	2	7	1	4	1	2	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0
Jun.	10	9	1	7	1	1	0	0	0	1	0	1	0	8	1	5	1	3	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0
July	16	12	4	10	4	1	0	1	0	0	0	0	0	12	4	7	2	5	2	2	0	1	0	0	1	1	1	1	0	0	0	0	0	0	0
Aug.	19	16	3	15	0	1	3	0	0	0	0	0	0	16	3	10	2	6	1	2	0	1	0	0	0	1	1	2	0	0	0	0	0	0	0
Sept.	19	14	5	13	3	0	2	1	0	0	0	0	1	14	4	7	3	7	1	2	0	3	0	1	1	1	0	0	0	0	0	0	0	0	0
Oct.	26	22	4	14	3	6	0	1	0	1	1	2	0	20	4	14	4	6	0	2	0	3	0	0	0	0	0	1	0	0	0	0	0	0	0
Nov.	20	19	1	17	1	2	0	0	0	0	0	1	0	18	1	13	1	5	0	3	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0
Dec.	17	13	4	12	3	0	0	1	1	0	0	0	0	13	4	10	4	3	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**189**	**151**	**38**	**123**	**21**	**19**	**14**	**4**	**2**	**5**	**1**	**4**	**1**	**147**	**37**	**98**	**27**	**49**	**10**	**17**	**2**	**13**	**0**	**6**	**5**	**7**	**3**	**5**	**0**	**1**	**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	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
	American Indian or Alaskan Native	0	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
1 - 4	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	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
	American Indian or Alaskan Native	0	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
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	American Indian or Alaskan Native	0	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	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
	American Indian or Alaskan Native	0	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	3	0	3	0	0	1	2	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	14	0	14	0	0	11	3	7	2	4	1	3	0	0	0	0	1	1	0	0	0	0	0	0	0
	American Indian or Alaskan Native	0	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	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
20 - 24	White	4	3	1	0	0	3	1	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	40	1	39	0	0	39	1	27	1	12	0	4	0	2	0	2	0	2	0	2	0	0	0	0	0
	American Indian or Alaskan Native	0	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

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
25 - 29	White	6	2	4	0	0	3	3	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	29	0	29	0	0	24	5	13	3	11	2	5	1	4	0	1	1	1	0	0	0	0	0	0	0
	American Indian or Alaskan Native	0	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
30 - 34	White	5	0	5	0	0	4	1	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	15	0	15	0	0	14	1	10	1	4	0	1	0	2	0	1	0	0	0	0	0	0	0	0	0
	American Indian or Alaskan Native	0	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
35 - 39	White	4	4	0	0	0	2	2	1	1	1	1	0	0	1	0	0	0	0	1	0	0	0	0	0	0
	Black	12	0	12	2	0	8	2	2	1	6	1	2	0	2	0	0	0	1	1	0	0	1	0	0	0
	American Indian or Alaskan Native	0	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
40 - 44	White	4	1	3	0	0	3	1	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	12	0	6	0	0	6	0	4	0	2	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
	American Indian or Alaskan Native	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
	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	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
	Black	8	0	8	0	0	6	2	4	1	2	1	0	0	0	0	1	1	0	0	1	0	0	0	0	0
	American Indian or Alaskan Native	0	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
50 - 54	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	6	0	6	0	1	2	3	1	1	1	2	0	1	0	0	0	1	1	0	0	0	0	0	0	0
	American Indian or Alaskan Native	0	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

AGE - RACE - ETHNICITY - ETHANOL INCIDENCE (continued)

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
55 - 59	White	3	0	3	0	0	1	2	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	6	0	6	0	0	6	0	5	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	American Indian or Alaskan Native	0	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
60 - 64	White	1	0	1	0	0	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
	Black	4	0	4	0	0	1	3	0	1	1	2	0	0	0	0	0	1	1	1	0	0	0	0	0	0
	American Indian or Alaskan Native	0	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
65 - 69	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	5	0	5	1	0	4	0	3	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	American Indian or Alaskan Native	0	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
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	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
	American Indian or Alaskan Native	0	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
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
	American Indian or Alaskan Native	0	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
80 and Over	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
	American Indian or Alaskan Native	0	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

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	37	12	25	1	0	23	13	19	12	4	1	1	0	2	0	0	0	0	1	1	0	0	0	0	0
	Black	149	1	148	3	1	122	23	77	14	45	9	16	2	11	0	6	5	7	2	4	0	1	0	0	0
	American Indian or Alaskan Native	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	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	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		**189**	**13**	**176**	**4**	**1**	**147**	**37**	**98**	**27**	**49**	**10**	**17**	**2**	**13**	**0**	**6**	**5**	**7**	**3**	**5**	**0**	**1**	**0**	**0**	**0**

MODE - ETHANOL INCIDENCE

TABLE 54

		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
Asphyxia*	4	3	1	3	0	0	1	0	0	0	0	0	0	3	1	1	0	2	1	0	1	0	0	1	0	0	0	1	0	0	0	0	0
Assault	25	14	11	8	5	2	4	1	2	3	0	1	1	13	10	8	7	5	3	2	0	0	0	2	1	0	2	0	0	1	0	0	0
Miscellaneous	2	2	0	0	0	0	0	1	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
Shooting	150	126	24	107	15	16	8	2	0	1	1	2	0	124	24	84	19	40	5	15	1	12	0	3	3	6	1	4	0	0	0	0	0
Stabbing	8	6	2	5	1	1	1	0	0	0	0	0	0	6	2	4	1	2	1	0	0	1	0	0	1	1	0	0	0	0	0	0	0
Total	**189**	**151**	**38**	**123**	**21**	**19**	**14**	**4**	**2**	**5**	**1**	**4**	**1**	**147**	**37**	**98**	**27**	**49**	**10**	**17**	**2**	**13**	**0**	**6**	**5**	**7**	**3**	**5**	**0**	**1**	**0**	**0**	**0**

*** Includes carbon monoxide and strangulation.**

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	
Asphyxia*	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	3	1	4
Assault	1	1	1	1	0	0	0	0	0	0	0	1	2	1	2	1	2	1	0	0	1	1	1	2	2	0	0	1	2	0	0	0	0	0	0	1	14	11	25
Miscellaneous	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	0	0	2	0	2
Shooting	0	0	0	0	0	0	0	0	13	5	40	1	24	6	14	1	9	3	9	2	6	0	3	1	4	2	1	2	3	0	0	1	0	0	0	0	126	24	150
Stabbing	0	0	0	0	0	0	0	0	0	0	2	0	1	1	1	0	0	0	0	0	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	6	2	8
Total	**1**	**1**	**1**	**1**	**0**	**0**	**1**	**0**	**13**	**5**	**42**	**2**	**27**	**8**	**18**	**2**	**12**	**4**	**9**	**2**	**8**	**2**	**4**	**4**	**7**	**2**	**2**	**3**	**6**	**0**	**0**	**1**	**0**	**0**	**0**	**1**	**151**	**38**	**189**

* Includes carbon monoxide and strangulation.

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

TABLE 56

		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	
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
Home Circumstances: Police	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
Public Circumstances: During or Following the Commission or Attempted Commission of a Felony Police	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
Total	**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**

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

Circumstances / Assailants	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
Home Circumstances: During or Following an Argument																															
Acquaintance	5	4	1	4	0	0	1	0	0	0	0	0	1	4	0	3	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0
Boyfriend	2	1	1	1	1	0	0	0	0	0	0	0	0	1	1	0	0	1	1	0	0	0	0	1	0	0	1	0	0	0	0
Father	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
Girlfriend	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
Husband	**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**
Neighbor	2	2	0	2	0	0	0	0	0	0	0	0	0	2	0	1	0	1	0	0	0	1	0	0	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**
During or Following the Commission or Attempted Commission of a Felony																															
Former Partner	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
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
Unknown	7	4	3	4	1	0	1	0	1	0	0	0	0	4	3	3	3	1	0	1	0	0	0	0	0	0	0	0	0	0	0
Other Home Circumstances																															
Acquaintance	5	4	1	3	0	1	1	0	0	0	0	0	0	4	1	2	1	2	0	1	0	0	0	0	0	1	0	0	0	0	0
Father	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
Sister	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
Unknown	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
Unknown Home Circumstances																															
Acquaintance	3	3	0	3	0	0	0	0	0	0	0	0	0	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Boyfriend	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
Girlfriend	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	0	0	1	0	0	0
Husband	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
Mother	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
Unknown	18	14	4	11	1	2	2	1	1	0	0	0	0	14	4	8	2	6	2	3	1	2	0	0	0	1	1	0	0	0	0
Total	**57**	**40**	**17**	**36**	**7**	**3**	**8**	**1**	**2**	**0**	**0**	**1**	**1**	**39**	**16**	**24**	**13**	**15**	**3**	**5**	**1**	**5**	**0**	**1**	**0**	**3**	**2**	**1**	**0**	**0**	**0**	**0**	**0**

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

TABLE 57B

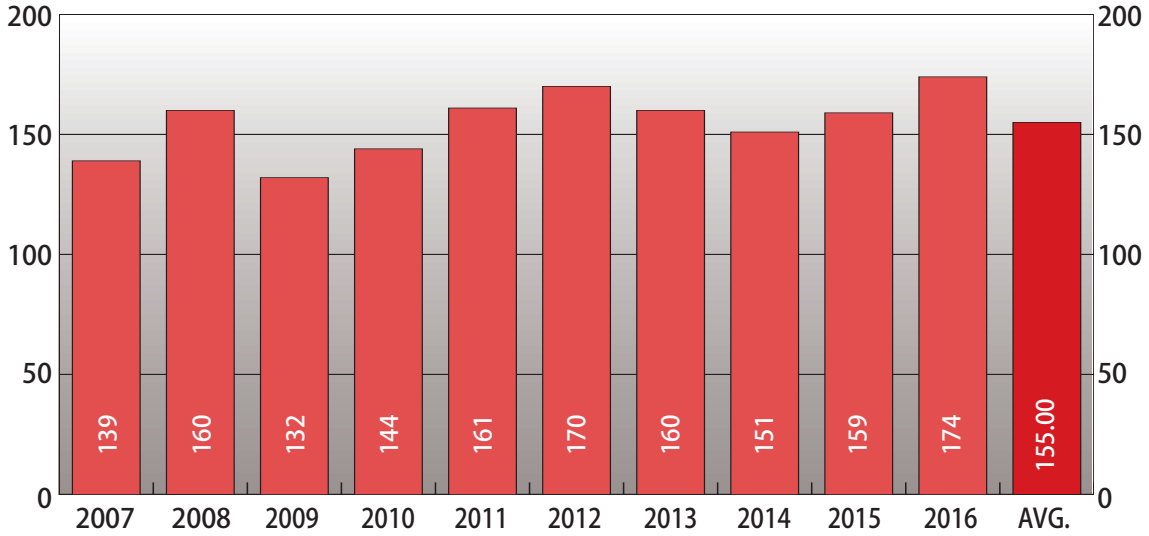
Circumstances / Assailants	Total	Total		Cleveland		County		Out of County		Unknown		Not Tested		Tested						Stages											
														Total		Negative		Positive		0.01% - 0.04%		0.05% - 0.08%		0.09% - 0.14%		0.15% - 0.19%		0.20% - 0.24%		0.25% - 0.29%		0.30% or Over	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Public Circumstances: During or Following an Argument Acquaintance	3	2	1	2	1	0	0	0	0	0	0	0	0	2	1	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Boyfriend	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
Girlfriend	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
Stranger	2	2	0	1	0	1	0	0	0	0	0	0	0	2	0	0	0	2	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0
Unknown	12	12	0	12	0	0	0	0	0	0	0	0	0	12	0	8	0	4	0	0	0	2	0	0	0	0	0	2	0	0	0	0	0
During or Following the Commission or Attempted Commission of a Felony Stranger	5	4	1	1	1	3	0	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
Unknown	10	10	0	8	0	0	0	1	0	1	0	0	0	10	0	8	0	2	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0
Other Public Circumstances Acquaintance	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
Former Partner	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
Stranger	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
Unknown	**9**	**9**	**0**	**4**	**0**	**3**	**0**	**1**	**0**	**1**	**0**	**1**	**0**	**8**	**0**	**0**	**0**	**2**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Unknown Public Circumstances Acquaintance	4	4	0	3	0	1	0	0	0	0	0	0	0	4	0	3	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Boyfriend	2	1	1	0	0	0	1	0	0	1	0	0	0	1	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Neighbor	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
Stranger	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
Unknown	75	63	12	54	9	6	2	1	0	2	1	2	0	61	12	41	7	20	5	8	1	6	0	2	3	2	1	2	0	0	0	0	0
Total	**130**	**109**	**21**	**87**	**14**	**14**	**6**	**3**	**0**	**5**	**1**	**3**	**0**	**106**	**21**	**65**	**14**	**34**	**7**	**12**	**1**	**8**	**0**	**5**	**5**	**4**	**1**	**4**	**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

2016 SUICIDES

FOR A PERIOD OF TEN YEARS



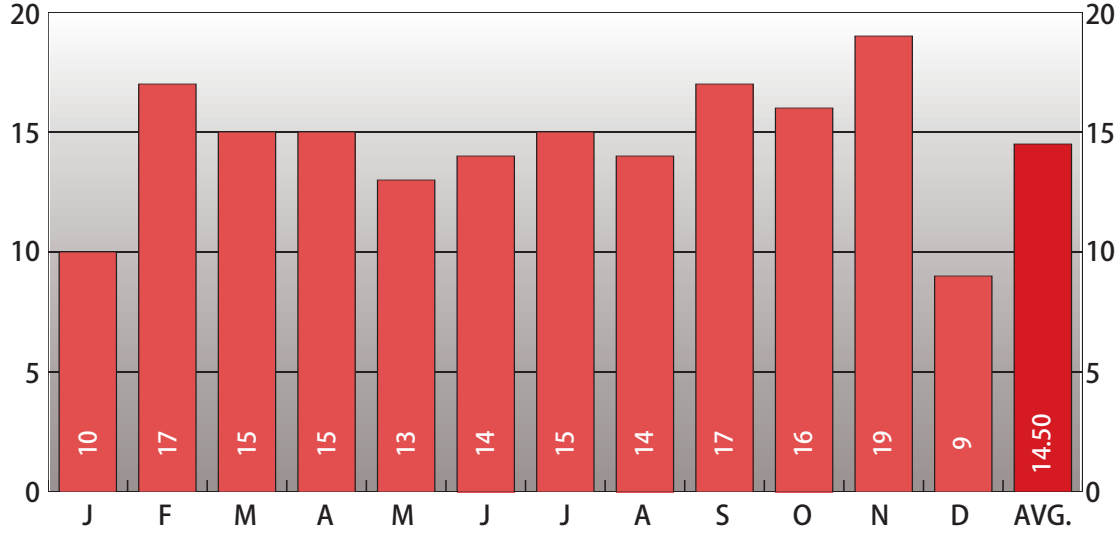
2016

TOTAL CASES

174

2015 SUICIDES

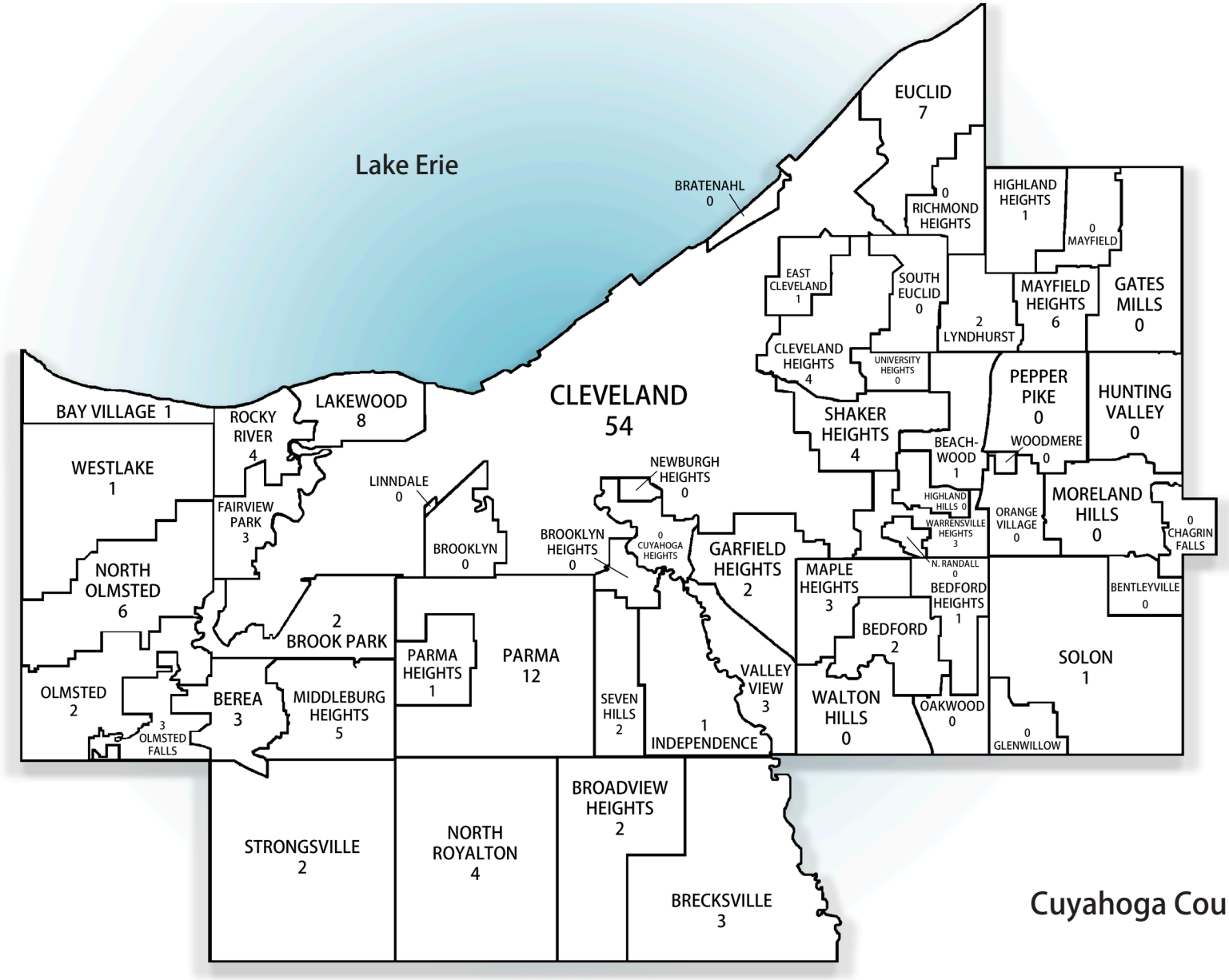
BY MONTH FOR THE YEAR 2016



		Number	Percent
Gender	Male	140	80.46%
	Female	34	19.54%
Race	White	135	77.59%
	Black	36	20.69%
	Asian Indian	3	1.72%
Ethnicity	Hispanic	2	1.15%
	Non-Hispanic	174	100.00%
Ethanol	Tested	154	88.51%
	Positive	51	29.31%
Autopsied		156	89.66%

MAP 6A

DISTRIBUTION OF SUICIDES BY CITY*

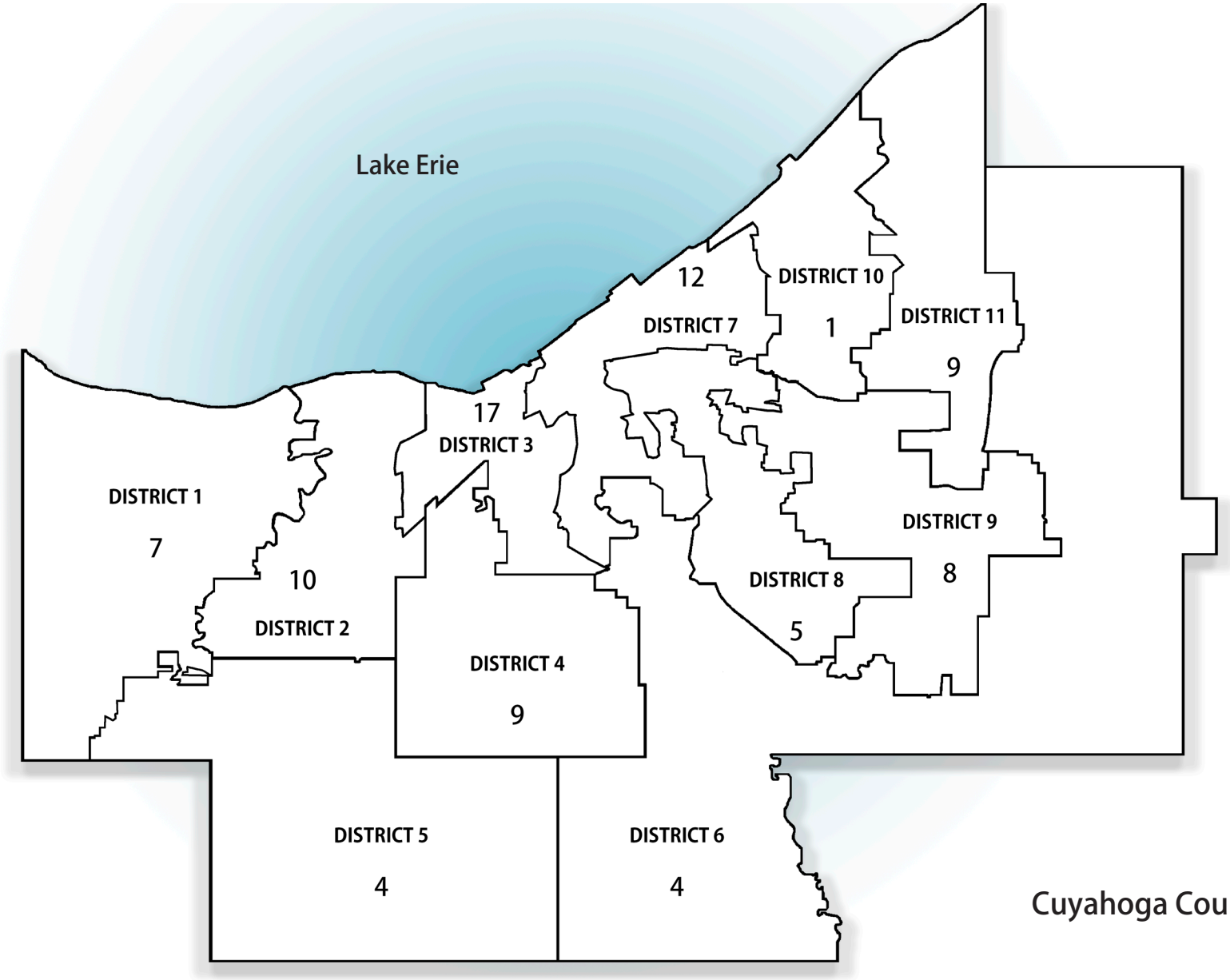


Cuyahoga County, Ohio

*14 cases were from outside of Cuyahoga County.

DISTRIBUTION OF SUICIDES BY COUNCIL DISTRICT*

MAP 6B



*11 cases are from outside of Cuyahoga County. Council district was undetermined and/or not analyzed for 74 cases.

TABLE 59 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.	10	10	0	5	0	5	0	0	0	0	0	0	0	10	0	8	0	2	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0
Feb.	17	11	6	4	2	6	3	1	1	0	0	1	0	10	6	8	5	2	1	1	0	0	0	0	1	1	0	0	0	0	0	0	0
Mar.	15	14	1	3	1	10	0	1	0	0	0	3	0	11	1	5	1	6	0	1	0	0	0	1	0	2	0	0	0	2	0	0	0
Apr.	15	12	3	4	1	6	1	2	1	0	0	0	2	12	1	9	1	3	0	1	0	0	0	1	0	0	0	1	0	0	0	0	0
May	13	9	4	1	1	7	3	1	0	0	0	1	0	8	4	6	2	2	2	0	1	0	1	0	0	0	0	2	0	0	0	0	0
Jun.	14	13	1	3	0	10	1	0	0	0	0	2	0	11	1	7	1	4	0	1	0	0	0	0	0	0	0	2	0	1	0	0	0
July	15	11	4	2	3	9	1	0	0	0	0	1	0	10	4	7	3	3	1	1	1	0	0	0	0	1	0	0	0	0	0	1	0
Aug.	14	12	2	3	0	7	2	2	0	0	0	2	0	10	2	6	1	4	1	0	1	3	0	1	0	0	0	0	0	0	0	0	0
Sept.	17	15	2	2	0	12	2	1	0	0	0	5	0	10	2	6	1	4	1	0	0	1	0	1	1	1	0	1	0	0	0	0	0
Oct.	16	12	4	7	2	4	2	1	0	0	0	1	1	11	3	9	0	2	3	1	1	0	0	1	1	0	0	0	0	0	1	0	0
Nov.	19	14	5	7	1	4	4	3	0	0	0	1	0	13	5	9	3	4	2	1	0	0	0	1	0	1	1	0	1	0	0	1	0
Dec.	9	7	2	2	0	5	2	0	0	0	0	0	0	7	2	3	2	4	0	0	0	0	0	2	0	0	0	1	0	0	0	1	0
Total	**174**	**140**	**34**	**43**	**11**	**85**	**21**	**12**	**2**	**0**	**0**	**17**	**3**	**123**	**31**	**83**	**20**	**40**	**11**	**7**	**4**	**5**	**1**	**8**	**3**	**6**	**1**	**7**	**1**	**3**	**1**	**4**	**0**

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 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 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	5	0	5	0	1	4	0	4	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 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	5	0	5	1	0	4	0	2	0	2	0	0	0	0	0	1	0	1	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 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	10	1	9	2	0	7	1	5	0	2	1	0	0	0	0	1	0	0	0	1	0	0	0	0	0
	Black	9	0	9	1	1	7	0	4	0	3	0	0	0	1	0	1	0	0	0	1	0	0	0	0	0
	Asian Indian	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
30 - 34	White	10	0	10	1	0	8	1	3	1	5	0	1	0	1	0	1	0	1	0	1	0	0	0	0	0
	Black	2	0	2	0	0	1	1	0	1	1	0	0	0	0	0	1	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	8	0	8	0	0	7	1	5	1	2	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0
	Black	5	0	5	0	0	2	3	2	1	0	2	0	0	0	0	0	1	0	1	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	10	0	10	1	0	7	2	5	2	2	0	1	0	1	0	0	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 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	9	1	8	1	0	6	2	3	1	3	1	1	1	0	0	0	0	1	0	1	0	0	0	0	0
	Black	2	0	2	0	0	2	0	1	0	1	0	1	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	13	0	13	0	0	9	4	5	2	4	2	0	0	0	1	1	0	0	0	0	0	1	1	2	0
	Black	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	0	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	25	0	25	2	1	16	6	8	4	8	2	0	1	1	0	1	1	3	0	1	0	1	0	1	0
	Black	2	0	2	0	0	2	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	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	8	0	8	1	0	4	3	4	1	0	2	0	1	0	0	0	1	0	0	0	0	0	0	0	0
	Black	3	0	3	0	0	3	0	3	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	9	0	9	1	0	6	2	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	3	0	3	0	0	3	0	2	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	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70 - 74	White	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
	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 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	1	0	2	1	0	1	0	0	1	0	0	0	1	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 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	13	0	13	3	0	9	1	9	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 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	135	2	133	14	2	94	25	63	16	31	9	5	4	3	1	6	2	6	0	6	1	2	1	3	0
	Black	36	0	36	3	1	26	6	17	4	9	2	2	0	2	0	2	1	0	1	1	0	1	0	1	0
	Asian Indian	3	0	3	0	0	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total		**174**	**2**	**172**	**17**	**3**	**123**	**31**	**83**	**20**	**40**	**11**	**7**	**4**	**5**	**1**	**8**	**3**	**6**	**1**	**7**	**1**	**3**	**1**	**4**	**0**

MODE - ETHANOL INCIDENCE

TABLE 61

		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	47	38	9	10	4	25	5	3	0	0	0	8	2	30	7	19	5	11	2	4	0	2	0	2	0	1	1	1	1	0	0	1	0
Carbon Monoxide	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
Cutting and Stabbing	5	5	0	1	0	3	0	1	0	0	0	0	0	5	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Jumping	11	8	3	3	0	5	3	0	0	0	0	0	0	8	3	8	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Others*	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
Poisoning	20	8	12	3	4	3	7	2	1	0	0	0	1	8	11	5	3	3	8	0	3	1	1	0	3	0	0	1	0	1	1	0	0
Shooting	88	78	10	23	3	49	6	6	1	0	0	9	0	69	10	43	9	26	1	3	1	2	0	6	0	5	0	5	0	2	0	3	0
Total	**174**	**140**	**34**	**43**	**11**	**85**	**21**	**12**	**2**	**0**	**0**	**17**	**3**	**123**	**31**	**83**	**20**	**40**	**11**	**7**	**4**	**5**	**1**	**8**	**3**	**6**	**1**	**7**	**1**	**3**	**1**	**4**	**0**

*** Includes: Burning.**

TABLE 62

MODE* - 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	
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
Asphyxia:																															
Drowning	4	2	2	0	0	2	2	0	0	0	0	0	0	2	2	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Hanging	41	34	7	8	4	23	3	3	0	0	0	8	2	26	5	16	3	10	2	4	0	2	0	2	0	1	1	1	1	0	0	0	0
Plastic Bag	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
Strangulation	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
Total	**47**	**38**	**9**	**10**	**4**	**25**	**5**	**3**	**0**	**0**	**0**	**8**	**2**	**30**	**7**	**19**	**5**	**11**	**2**	**4**	**0**	**2**	**0**	**2**	**0**	**1**	**1**	**1**	**1**	**0**	**0**	**1**	**0**
Carbon Monoxide:																															
Auto Exhaust	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
Total	**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**
Jumping:																															
Bridge	7	5	2	2	0	3	2	0	0	0	0	0	0	5	2	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Parking Garage	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
Window	3	2	1	0	0	2	1	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
Total	**11**	**8**	**3**	**3**	**0**	**5**	**3**	**0**	**0**	**0**	**0**	**0**	**0**	**8**	**3**	**8**	**3**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

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

POISONING - ETHANOL INCIDENCE

TABLE 63

Poisoning	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
Single Chemical Agent: Insulin	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
Sodium Hydroxide	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
Two or More Chemical Agents: Acetaminophen, Flurazepam, Hydrocodone, 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
Acetaminophen, Salicylate	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
Alfentanil, Propofol	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
Alprazolam, Amitriptyline, Clonazepam, Diphenhydramine, 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
Amlodipine, Metoprolol	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
Bupropion, Citalopram, Clonazepam, Meclizine, 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
Chlorpheniramine, Dextromethorphan	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
Diazepam, Quetiapine, Valproic Acid	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
Fentanyl, Sertraline	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
Combined Effects of Ethanol & Single/Multiple Chemical Agents: Alprazolam	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	1	0	0
Alprazolam, Citalopram, Cyclobenzaprine, Metoprolol	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
Citalopram, Quetiapine	1	1	0	0	0	1	0	0	0	0	0	0	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Cyclobenzaprine, Diphenhydramine, Hydrocodone, 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
Diphenhydramine	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
Diphenhydramine, Hydrocodone, Oxycodone	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
Doxepine, Gabapentin	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
Fentanyl, Heroin	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
Quetiapine	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
Total	**20**	**8**	**12**	**3**	**4**	**3**	**7**	**2**	**1**	**0**	**0**	**0**	**1**	**8**	**11**	**5**	**3**	**3**	**8**	**0**	**3**	**1**	**1**	**0**	**3**	**0**	**0**	**1**	**0**	**1**	**1**	**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	
Asphyxia	0	0	0	0	0	1	3	0	4	2	3	1	4	2	6	2	4	0	3	0	6	0	2	0	2	0	0	0	1	0	0	1	38	9	47
Carbon Monoxide	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	0	0	0	0	2	0	2
Cutting and Stabbing	0	0	0	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	0	0	1	0	5	0	5
Jumping	0	0	0	0	1	0	0	1	2	0	1	0	1	0	1	0	0	0	1	0	1	2	0	0	0	0	0	0	0	0	0	0	8	3	11
Other*	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
Poisoning	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	1	2	2	1	4	0	2	2	2	0	0	0	0	1	0	8	12	20
Shooting	0	0	0	0	3	0	4	1	12	0	4	1	3	1	3	0	3	1	5	2	12	1	5	1	7	0	3	1	4	1	10	0	78	10	88
Total	**0**	**0**	**0**	**0**	**5**	**1**	**7**	**2**	**19**	**2**	**10**	**2**	**9**	**4**	**10**	**2**	**9**	**2**	**11**	**4**	**20**	**7**	**8**	**3**	**11**	**2**	**4**	**1**	**5**	**1**	**12**	**1**	**140**	**34**	**174**

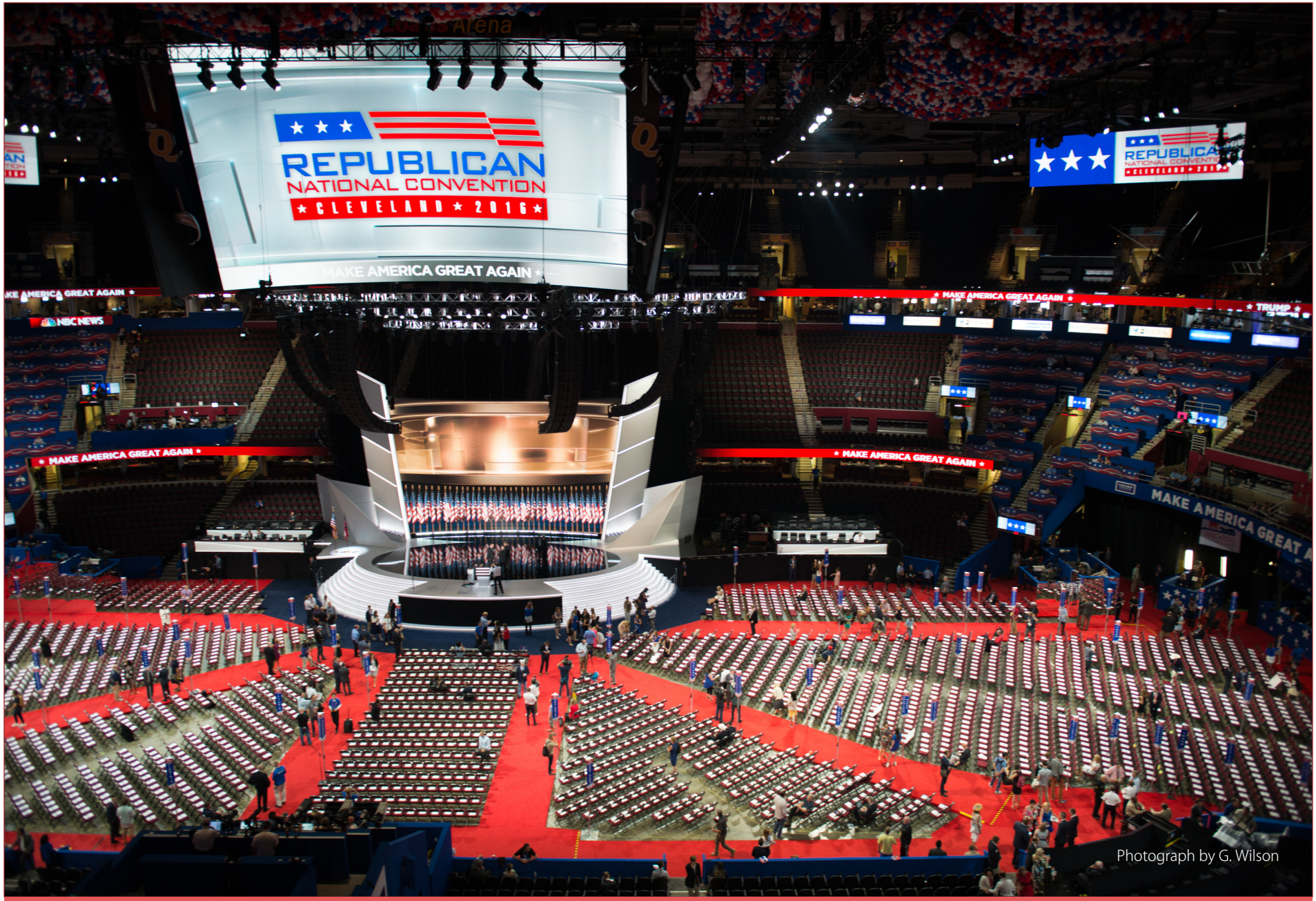
*** Includes: Burning.**

MODE, GEOGRAPHICAL LOCATION AND MARITAL STATUS

TABLE 65

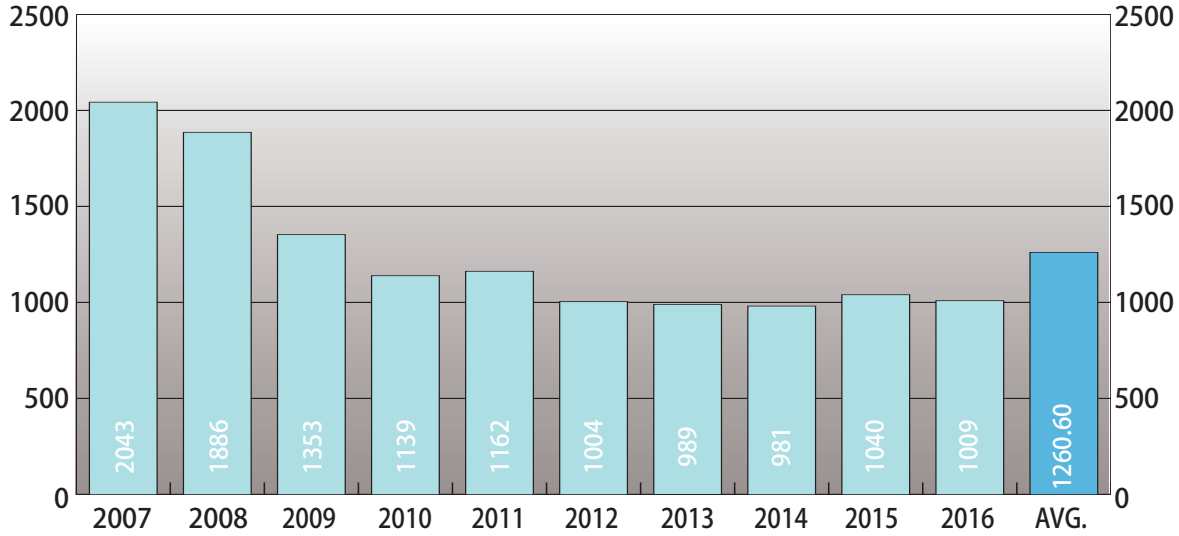
	Cleveland												County												Out of County												Unknown													
	Married		Single		Widowed		Divorced		Unknown		Total		Married		Single		Widowed		Divorced		Unknown		Total		Married		Single		Widowed		Divorced		Unknown		Total		Married		Single		Widowed		Divorced		Unknown		Total		Total		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	
Asphyxia	1	0	6	4	0	0	3	0	0	0	10	4	9	3	11	2	0	0	5	0	0	0	25	5	0	0	3	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	38	9	47
Carbon Monoxide	0	0	0	0	1	0	1	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	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
Cutting and Stabbing	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	1	0	1	0	0	0	3	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	5	0	5
Jumping	0	0	3	0	0	0	0	0	0	0	3	0	1	0	3	2	1	0	0	1	0	0	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	3	11
Other*	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Poisoning	0	1	3	2	0	0	0	1	0	0	3	4	1	1	1	1	0	1	1	4	0	0	3	7	0	1	1	0	1	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	8	12	20
Shooting	7	0	7	3	2	0	7	0	0	0	23	3	14	3	19	2	3	0	13	1	0	0	49	6	4	0	2	0	0	0	0	1	0	0	6	1	0	0	0	0	0	0	0	0	0	0	78	10	88
Total	**9**	**1**	**20**	**9**	**3**	**0**	**11**	**1**	**0**	**0**	**43**	**11**	**26**	**7**	**34**	**7**	**5**	**1**	**20**	**6**	**0**	**0**	**85**	**21**	**4**	**1**	**7**	**0**	**1**	**0**	**0**	**1**	**0**	**0**	**12**	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**140**	**34**	**174**

*** Includes: Burning.**



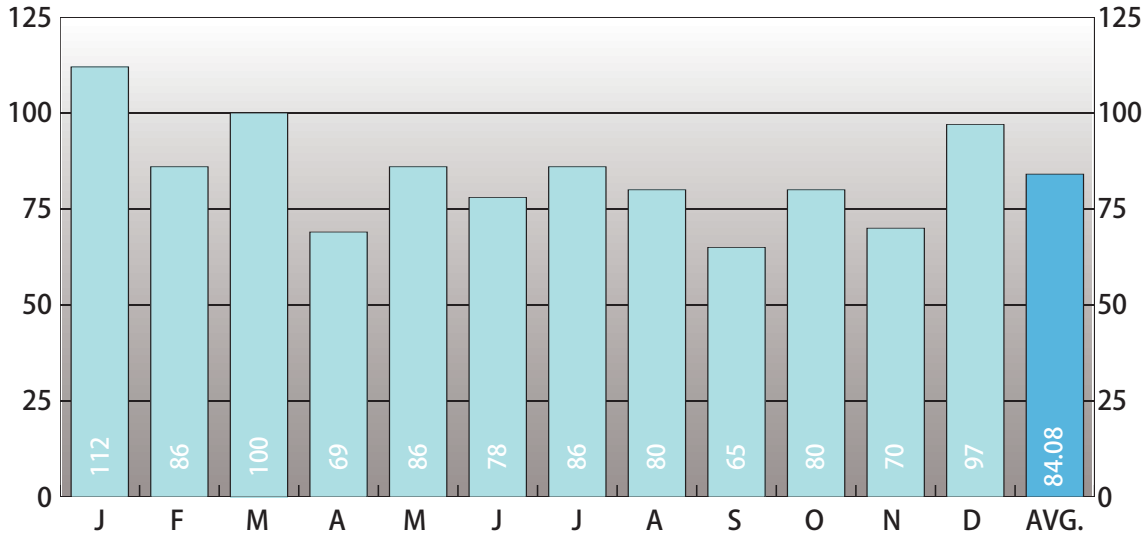
Photograph by G. Wilson

2016 DEATHS FROM NATURAL CAUSES
FOR A PERIOD OF TEN YEARS



2016
TOTAL CASES
1,009

2015 DEATHS FROM NATURAL CAUSES
BY MONTH FOR THE YEAR 2016



		Number	Percent
Gender	Male	666	66.01%
	Female	343	33.99%
Race	White	646	64.02%
	Black	355	35.18%
	Am. Indian / Alaskan Native	1	0.10%
	Asian	5	0.50%
	Asian Indian	1	0.10%
	Nat. HI / Pacific Is.	1	0.10%
Ethnicity	Hispanic	13	1.29%
	Non-Hispanic	996	98.71%
Ethanol	Tested	481	47.67%
	Positive	123	12.19%
Autopsied		379	37.56%

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.	112	72	40	33	28	39	12	30	11	8	1	5	0	1	0	1	0	0	0	0	0	0	1	1	0
Feb.	86	57	29	19	15	38	14	31	13	6	1	4	1	1	0	1	0	0	0	0	0	0	0	0	0
Mar.	100	67	33	27	16	40	17	31	14	9	3	4	2	2	0	2	0	0	1	0	0	1	0	0	0
Apr.	69	39	30	16	15	23	15	17	14	6	1	4	1	0	0	0	0	1	0	0	0	0	0	1	0
May	86	62	24	22	16	40	8	25	7	15	1	5	1	2	0	1	0	2	0	1	0	3	0	1	0
Jun.	78	55	23	31	17	24	6	20	5	4	1	3	1	0	0	0	0	0	0	0	0	1	0	0	0
July	86	60	26	25	16	35	10	28	6	7	4	2	1	1	1	3	1	1	1	0	0	0	0	0	0
Aug.	80	53	27	17	12	36	15	25	10	11	5	4	1	1	2	3	1	1	0	1	1	0	0	1	0
Sept.	65	39	26	22	14	17	12	13	8	4	4	1	2	2	1	0	1	0	0	0	0	0	0	1	0
Oct.	80	53	27	18	14	35	13	23	11	12	2	5	1	3	1	1	0	0	0	1	0	2	0	0	0
Nov.	70	42	28	24	18	18	10	11	7	7	3	1	3	1	0	3	0	0	0	0	0	2	0	0	0
Dec.	97	67	30	28	18	39	12	34	9	5	3	3	1	1	1	0	0	0	1	0	0	0	0	1	0
Total	**1009**	**666**	**343**	**282**	**199**	**384**	**144**	**288**	**115**	**94**	**29**	**41**	**15**	**15**	**6**	**15**	**3**	**5**	**3**	**3**	**1**	**9**	**1**	**6**	**0**

AGE - RACE - ETHNICITY - ETHANOL INCIDENCE

TABLE 67

			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	4	0	4	2	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	6	1	5	1	1	2	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	American Indian or Alaskan Native	0	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
	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
1 - 4	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	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
	American Indian or Alaskan Native	0	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
	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
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	American Indian or Alaskan Native	0	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
	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
10 - 14	White	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
	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
	American Indian or Alaskan Native	0	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
	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
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	4	0	4	0	0	3	1	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	American Indian or Alaskan Native	0	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
	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
20 - 24	White	3	0	3	0	0	1	2	0	2	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	3	0	3	0	1	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	American Indian or Alaskan Native	0	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
	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

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	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	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
	American Indian or Alaskan Native	0	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
	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
30 - 34	White	11	0	11	1	2	6	2	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	7	0	7	0	0	5	2	5	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	American Indian or Alaskan Native	0	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
	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
35 - 39	White	21	1	20	1	2	15	3	13	3	2	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0
	Black	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
	American Indian or Alaskan Native	0	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
	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
40 - 44	White	13	0	13	0	1	8	4	4	3	4	1	1	0	0	0	1	1	1	0	0	0	1	0	0	0
	Black	12	0	12	1	2	7	2	6	2	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	American Indian or Alaskan Native	0	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
	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
45 - 49	White	30	0	30	5	1	17	7	11	7	6	0	2	0	0	0	2	0	1	0	0	0	0	0	1	0
	Black	28	1	27	3	2	16	7	11	5	4	2	2	0	0	1	2	1	0	0	0	0	0	0	0	0
	American Indian or Alaskan Native	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
	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
50 - 54	White	51	0	51	5	4	30	12	24	9	5	3	2	1	2	0	1	0	0	1	0	0	1	0	0	0
	Black	38	1	37	3	3	20	12	15	7	5	5	2	2	2	2	0	0	0	1	0	0	0	0	1	0
	American Indian or Alaskan Native	0	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
	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

AGE - RACE - ETHNICITY - ETHANOL INCIDENCE (continued)

TABLE 67

			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	103	1	102	25	11	56	11	41	10	15	1	7	1	3	0	2	0	0	0	0	0	1	0	2	0
	Black	62	0	62	15	9	31	7	23	6	8	1	4	0	1	0	1	0	2	0	0	1	0	0	0	0
	American Indian or Alaskan Native	0	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
	Native Hawaiian / Pacific Is.	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	117	3	114	40	12	47	18	30	13	17	5	9	3	2	1	1	0	0	0	2	0	3	1	0	0
	Black	52	0	52	18	11	18	5	15	4	3	1	1	0	0	1	0	0	1	0	0	0	0	0	1	0
	American Indian or Alaskan Native	0	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	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
65 - 69	White	87	1	86	31	11	33	12	22	10	11	2	3	2	2	0	2	0	0	0	0	0	3	0	1	0
	Black	42	1	41	16	6	11	9	9	7	2	2	1	2	0	0	0	0	0	0	1	0	0	0	0	0
	American Indian or Alaskan Native	0	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	2	0	2	0	1	0	1	0	1	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
	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
70 - 74	White	59	0	59	25	11	16	7	14	5	2	2	1	0	1	1	0	0	0	1	0	0	0	0	0	0
	Black	24	0	24	8	6	8	2	6	1	2	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0
	American Indian or Alaskan Native	0	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	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
	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
75 - 79	White	47	3	44	18	19	7	3	5	3	2	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0
	Black	19	0	19	11	4	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	American Indian or Alaskan Native	0	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
	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
80 and Over	White	95	0	95	33	52	6	4	4	4	2	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0
	Black	46	0	46	18	20	4	4	3	3	1	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0
	American Indian or Alaskan Native	0	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
	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

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	646	9	637	186	129	245	86	177	72	67	14	29	7	12	2	9	2	2	2	2	0	9	1	4	0
	Black	355	4	351	95	68	135	57	107	42	27	15	12	8	3	4	6	1	3	1	1	1	0	0	2	0
	American Indian or Alaskan Native	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	5	0	5	0	2	2	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Asian Indian	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.	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		**1009**	**13**	**996**	**282**	**199**	**384**	**144**	**288**	**115**	**94**	**29**	**41**	**15**	**15**	**6**	**15**	**3**	**5**	**3**	**3**	**1**	**9**	**1**	**6**	**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	0	0	0	0	0	0	1	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	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	2
Congenital Anomalies	1	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	3	1	4
Disease of the Circulatory System	57	30	48	21	50	20	26	19	44	16	44	13	44	15	42	22	30	15	38	20	33	17	50	26	506	234	740
Disease of the Digestive System	3	1	1	0	2	1	1	1	1	0	1	1	1	2	1	0	2	0	2	0	2	3	3	1	20	10	30
Disease of the Genitourinary System	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	0	1	3	0	0	1	0	0	0	4	4	8
Disease of the Respiratory System	1	3	0	3	3	2	6	4	2	1	2	2	5	2	1	1	0	4	2	3	2	2	3	0	27	27	54
Diseases of the Blood and Blood-Forming Organs	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	2	2
Diseases of the Nervous System and Sense Organs	0	0	1	0	0	3	0	0	0	2	0	0	0	0	0	0	0	0	0	1	1	0	0	1	2	7	9
Endocrine, Nutritional and Metabolic Diseases and Immunity Disorders	0	0	2	1	5	2	1	2	3	0	2	1	1	0	1	0	0	1	1	1	0	1	3	1	19	10	29
Infectious and Parasitic Diseases	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	3	1	4
Mental Disorders*	5	1	1	1	2	3	3	2	9	2	0	1	3	2	3	1	2	1	6	2	2	0	3	1	39	17	56
Neoplasms	2	4	3	0	4	1	1	0	2	0	2	1	3	3	1	3	2	0	2	0	0	3	4	0	26	15	41
Symptoms, Signs and Ill-Defined Conditions	0	1	0	0	0	0	0	1	0	1	2	3	0	0	0	0	1	0	1	0	0	0	0	0	4	6	10
Therapeutic Complications	1	0	1	2	0	0	1	1	1	1	1	0	2	0	3	0	1	2	0	0	0	1	1	0	12	7	19
Total	**72**	**40**	**57**	**29**	**67**	**33**	**39**	**30**	**62**	**24**	**55**	**23**	**60**	**26**	**53**	**27**	**39**	**26**	**53**	**27**	**42**	**28**	**67**	**30**	**666**	**343**	**1009**

*** In Mental Disorders 50 were due to Alcoholism. (Alcoholism with associated physical disease totaled 32).**

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	
Certain Conditions Originating in the Perinatal Period	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
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	1	0	1
Congenital Anomalies	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2	1	3
Disease of the Circulatory System	24	6	20	7	18	4	10	4	22	4	13	2	13	3	15	6	10	6	16	5	6	5	18	6	185	58	243
Disease of the Digestive System	1	0	0	0	2	1	1	0	1	0	1	0	0	1	1	0	1	0	1	0	2	1	2	1	13	4	17
Disease of the Genitourinary System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	2
Disease of the Respiratory System	0	3	0	1	3	0	2	2	1	1	0	0	2	1	0	1	0	1	1	3	1	0	2	0	12	13	25
Diseases of the Blood and Blood-Forming Organs	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	1
Diseases of the Nervous System and Sense Organs	0	0	0	0	0	3	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	6	6
Endocrine, Nutritional and Metabolic Diseases and Immunity Disorders	0	0	1	1	3	2	1	0	3	0	1	0	1	0	1	0	0	1	0	1	0	1	3	0	14	6	20
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	1	0	0	0	1	1
Mental Disorders*	5	1	1	1	1	2	2	0	5	0	0	1	3	0	1	1	2	0	5	1	2	0	2	1	29	8	37
Neoplasms	0	0	0	0	1	0	0	0	0	0	0	1	1	0	1	2	0	0	1	0	0	1	1	0	5	4	9
Symptoms, Signs and Ill-Defined Conditions	0	0	0	0	0	0	0	1	0	0	2	0	0	0	0	0	1	0	1	0	0	0	0	0	4	1	5
Therapeutic Complications	0	0	1	1	0	0	1	0	0	1	1	0	1	0	1	0	0	1	0	0	0	0	0	0	5	3	8
Total	**31**	**10**	**23**	**11**	**28**	**13**	**17**	**7**	**32**	**7**	**18**	**4**	**22**	**7**	**20**	**10**	**15**	**10**	**25**	**11**	**12**	**9**	**28**	**9**	**271**	**108**	**379**

*** In Mental Disorders 36 were due to Alcoholism. (Alcoholism with associated physical disease totaled 24).**

MONTH AND AGE GROUPS

TABLE 70

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	1	0	0	0	1	0	0	1	1	0	0	0	0	1	1	2	0	2	0	6	4	10
1-4	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	3	3
5-9	0	0	0	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	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1	2
15-19	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	3	1	4
20-24	0	0	0	0	0	2	0	0	1	0	1	0	0	0	0	1	0	0	0	0	0	0	1	0	3	3	6
25-29	0	0	0	0	0	1	0	0	1	0	0	0	1	0	0	0	0	1	0	0	2	0	0	0	4	2	6
30-34	1	0	1	0	1	1	1	1	1	2	2	1	1	1	0	0	0	0	2	0	0	0	2	0	12	6	18
35-39	3	0	1	3	2	1	0	0	2	1	2	0	3	1	1	0	3	1	1	0	0	0	0	2	18	9	27
40-44	2	1	3	2	0	0	2	2	1	0	0	0	2	0	0	0	0	2	2	0	1	2	3	0	16	9	25
45-49	7	3	3	2	5	2	4	0	4	2	4	0	4	2	3	0	1	1	1	3	2	1	4	1	42	17	59
50-54	4	2	6	3	6	5	5	3	4	2	4	1	8	1	7	4	3	2	5	2	3	3	4	3	59	31	90
55-59	13	5	15	2	10	5	11	5	13	2	11	3	12	1	13	4	11	2	4	4	8	4	7	1	128	38	166
60-64	19	7	6	1	16	4	5	4	16	1	5	4	10	7	12	2	6	6	12	3	5	5	13	2	125	46	171
65-69	6	3	9	6	11	1	6	2	8	2	9	4	4	4	9	5	5	2	10	6	8	2	6	3	91	40	131
70-74	8	5	5	1	6	2	3	2	3	4	4	2	3	2	2	2	2	1	9	1	5	2	7	3	57	27	84
75-79	2	2	5	2	1	2	1	2	4	3	5	3	6	0	3	1	3	2	2	2	3	6	5	1	40	26	66
80 and Over	6	12	3	7	9	5	1	9	3	4	8	4	4	6	3	7	5	6	4	5	3	3	12	12	61	80	141
Total	**72**	**40**	**57**	**29**	**67**	**33**	**39**	**30**	**62**	**24**	**55**	**23**	**60**	**26**	**53**	**27**	**39**	**26**	**53**	**27**	**42**	**28**	**67**	**30**	**666**	**343**	**1009**

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	1	0	0	0	0	0	0	1	1	0	0	0	0	0	1	1	0	2	0	4	3	7
1-4	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	2	2
5-9	0	0	0	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	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1	2
15-19	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	3	1	4
20-24	0	0	0	0	0	1	0	0	1	0	1	0	0	0	0	1	0	0	0	0	0	0	1	0	3	2	5
25-29	0	0	0	0	0	1	0	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	3	1	4
30-34	1	0	1	0	1	0	1	1	1	1	1	1	1	0	0	0	0	0	2	0	0	0	2	0	11	3	14
35-39	2	0	0	2	2	1	0	0	2	0	1	0	3	1	0	0	3	1	0	0	0	0	0	1	13	6	19
40-44	1	1	1	1	0	0	2	1	0	0	0	0	2	0	0	0	0	2	2	0	1	1	2	0	11	6	17
45-49	4	1	3	0	5	2	2	0	2	2	3	0	2	2	2	0	1	1	1	3	1	1	2	0	28	12	40
50-54	2	1	3	1	3	2	0	0	3	2	3	0	4	1	4	2	3	0	5	2	2	2	3	1	35	14	49
55-59	7	2	7	1	5	2	5	0	8	1	5	0	4	0	6	2	5	1	4	1	3	1	5	0	64	11	75
60-64	8	3	1	1	6	1	2	0	9	0	1	1	1	1	3	0	1	4	6	1	0	1	4	0	42	13	55
65-69	1	1	2	4	3	0	3	2	1	1	1	1	1	1	4	1	2	0	2	3	3	2	1	0	24	16	40
70-74	3	0	3	0	0	1	1	1	2	0	1	0	0	0	0	2	0	0	3	0	0	0	2	1	15	5	20
75-79	0	0	1	0	0	0	1	0	0	0	1	1	0	0	1	0	0	0	0	0	0	1	1	1	5	3	8
80 and Over	1	1	1	1	3	0	0	2	1	0	0	0	1	0	0	1	0	1	0	0	0	0	2	3	9	9	18
Total	**31**	**10**	**23**	**11**	**28**	**13**	**17**	**7**	**32**	**7**	**18**	**4**	**22**	**7**	**20**	**10**	**15**	**10**	**25**	**11**	**12**	**9**	**28**	**9**	**271**	**108**	**379**

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	
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	1	1
Complications of Pregnancy, Childbirth and the Puerperium	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	0	0	1	1	2
Congenital Anomalies	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	2	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	3	1	4
Disease of the Circulatory System	0	0	0	1	0	0	1	0	0	0	2	0	2	0	9	1	8	8	10	7	27	9	45	15	99	24	98	27	78	33	44	21	32	20	51	68	506	234	740
Disease of the Digestive System	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	0	0	0	3	1	2	3	5	1	2	3	2	0	1	0	0	1	3	0	20	10	30
Disease of the Genitourinary System	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	2	0	0	2	1	0	0	1	0	0	0	0	0	4	4	8
Disease of the Respiratory System	3	1	0	0	0	0	0	0	1	1	0	0	0	0	1	2	1	0	0	1	0	2	2	3	6	3	3	8	3	1	4	1	1	2	2	2	27	27	54
Diseases of the Blood and Blood-Forming Organs	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	2
Diseases of the Nervous System and Sense Organs	0	0	0	1	0	0	0	0	0	0	0	1	1	0	0	1	0	0	0	0	0	1	0	0	0	0	1	1	0	0	0	0	0	0	0	2	2	7	9
Endocrine, Nutritional and Metabolic Diseases and Immunity Disorders	1	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	3	1	0	1	5	3	3	3	4	1	1	0	0	0	1	0	0	0	0	0	19	10	29
Infectious and Parasitic Diseases	1	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	0	0	0	0	0	0	0	3	1	4
Mental Disorders*	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1	0	5	0	3	0	5	3	6	3	10	3	4	2	3	2	1	1	0	1	39	17	56
Neoplasms	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	1	0	5	1	4	2	3	2	3	2	6	2	3	5	26	15	41
Symptoms, Signs and Ill-Defined Conditions	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	2	0	0	0	0	2	0	1	0	1	0	0	0	0	0	1	4	6	10
Therapeutic Complications	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	1	0	1	1	2	3	3	0	1	1	0	1	0	0	2	1	12	7	19
Total	**6**	**4**	**0**	**3**	**0**	**0**	**1**	**1**	**3**	**1**	**3**	**3**	**4**	**2**	**12**	**6**	**18**	**9**	**16**	**9**	**42**	**17**	**59**	**31**	**128**	**38**	**125**	**46**	**91**	**40**	**57**	**27**	**40**	**26**	**61**	**80**	**666**	**343**	**1009**

*** In Mental Disorders 50 were due to Alcoholism. (Alcoholism with associated physical disease totaled 32)**

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

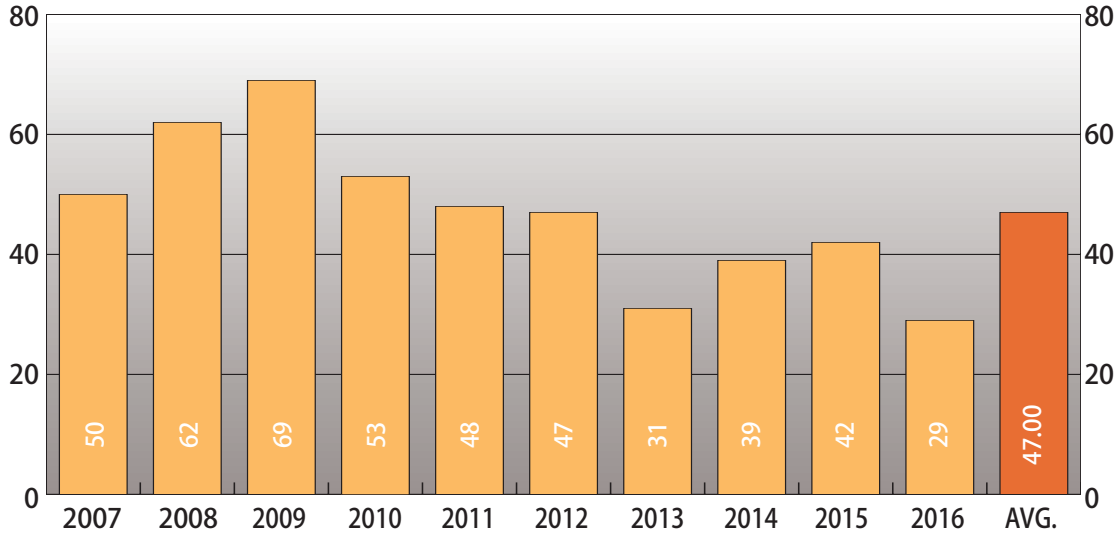
Classification of Diseases by Code	Under 1 Year		1-4		5-9		10-14		15-19		20-24		25-29		30-34		35-39		40-44		45-49		50-54		55-59		60-64		65-69		70-74		75-79		80 and Over		Total		Grand Total
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
Therapeutic Complications	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	1	0	1	1	1	1	0	0	0	1	0	0	0	0	0	0	5	3	8
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	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Neoplasms	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	0	2	1	0	0	0	1	0	1	5	4	9
Endocrine, Nutritional and Metabolic Diseases and Immunity Disorders	1	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	2	1	0	1	4	2	2	1	3	0	0	0	0	0	1	0	0	0	0	0	14	6	20
Diseases of the Blood and Blood-Forming Organs	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
Mental Disorders	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	3	0	2	0	5	1	5	2	8	1	1	2	3	2	1	0	0	0	29	8	37
Diseases of the Nervous System and Sense Organs	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	1	0	0	0	0	0	0	0	1	0	6	6
Disease of the Circulatory System	0	0	0	1	0	0	1	0	0	0	2	0	2	0	8	1	7	5	7	4	17	7	24	6	47	7	30	8	19	11	9	2	4	1	8	5	185	58	243
Disease of the Respiratory System	2	1	0	0	0	0	0	0	1	1	0	0	0	0	1	1	1	0	0	1	0	1	1	2	3	1	1	2	1	1	1	1	0	0	0	1	12	13	25
Disease of the Digestive System	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2	0	2	2	3	0	2	0	1	0	1	0	0	1	1	0	13	4	17
Disease of the Genitourinary System	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	0	1	1	2
Complications of Pregnancy, Childbirth and the Puerperium	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	0	1
Congenital Anomalies	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	3
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
Symptoms, Signs and Ill-Defined Conditions	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	0	0	0	1	4	1	5
Total	**4**	**3**	**0**	**2**	**0**	**0**	**1**	**1**	**3**	**1**	**3**	**2**	**3**	**1**	**11**	**3**	**13**	**6**	**11**	**6**	**28**	**12**	**35**	**14**	**64**	**11**	**42**	**13**	**24**	**16**	**15**	**5**	**5**	**3**	**9**	**9**	**271**	**108**	**379**

*** In Mental Disorders 36 were due to Alcoholism. (Alcoholism with associated physical disease totaled 24).**



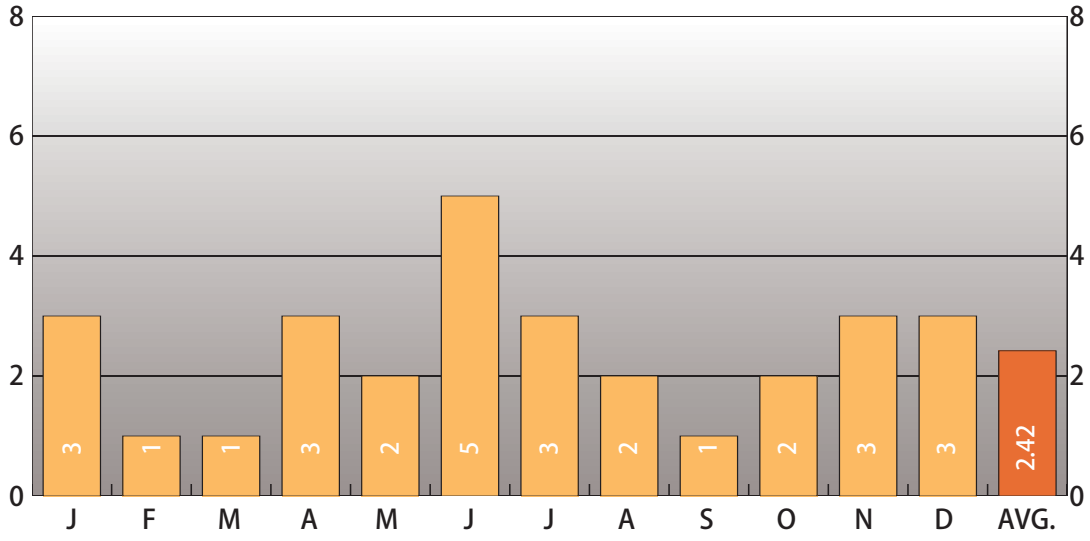
Photograph by G. Wilson

2016 UNDETERMINED MANNER
FOR A PERIOD OF TEN YEARS



2016
TOTAL CASES
29

2015 UNDETERMINED MANNER
BY MONTH FOR THE YEAR 2016



		Number	Percent
Gender	Male	19	65.52%
	Female	10	34.48%
Race	White	13	44.83%
	Black	15	51.72%
	Asain	1	3.45%
Ethnicity	Hispanic	0	0.00%
	Non-Hispanic	29	100.00%
Ethanol	Tested	20	68.97%
	Positive	4	13.79%
Autopsied		24	82.76%

MONTHLY ETHANOL INCIDENCE

TABLE 74

		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	2	1	1	0	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	1	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.	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
Apr.	3	2	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
May	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
Jun.	5	2	3	2	0	0	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July	3	2	1	1	0	1	1	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Aug.	2	2	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sept.	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
Oct.	2	1	1	0	0	1	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Nov.	3	2	1	1	0	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Dec.	3	3	0	1	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**29**	**19**	**10**	**8**	**1**	**11**	**9**	**10**	**6**	**1**	**3**	**1**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**1**	**0**	**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	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	8	0	8	1	0	4	3	4	3	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
1 - 4	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
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	0	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
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
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
	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	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
	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
25 - 29	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
	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	0	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
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	3	0	3	0	0	1	2	1	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
40 - 44	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
	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)

TABLE 75

			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	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
50 - 54	White	1	0	1	0	0	0	1	0	0	0	1	0	1	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
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	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
60 - 64	White	1	0	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	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
65 - 69	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	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
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
	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	0	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
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	0	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
Total	White	13	0	13	3	1	5	4	4	2	1	2	1	1	0	0	0	0	0	0	0	0	0	1	0	0
	Black	15	0	15	4	0	6	5	6	4	0	1	0	0	0	0	0	0	0	0	0	1	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
Grand Total		**29**	**0**	**29**	**8**	**1**	**11**	**9**	**10**	**6**	**1**	**3**	**1**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**1**	**0**	**0**

TABLE 76

MODE - 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	
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	6	3	4	0	2	3	2	1	0	2	0	1	0	0	0	0	0	0	0	1	0	0	0	0
Undetermined Non-Violence	9	6	3	1	0	5	3	4	3	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Undetermined Violence	11	7	4	3	1	4	3	4	2	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Total	**29**	**19**	**10**	**8**	**1**	**11**	**9**	**10**	**6**	**1**	**3**	**1**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**1**	**0**	**0**

MODE - AGE GROUPS

TABLE 77

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	
Undetermined Cause	3	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	1	0	0	0	0	0	0	0	6	3	9
Undetermined Non-Violence	5	3	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	6	3	9
Undetermined Violence	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1	1	0	1	1	0	1	0	0	0	0	1	2	0	0	0	0	0	0	1	7	4	11
Total	**8**	**4**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**0**	**2**	**0**	**0**	**0**	**1**	**2**	**0**	**1**	**1**	**0**	**1**	**1**	**1**	**0**	**0**	**1**	**3**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**19**	**10**	**29**



Photograph by G. Wilson

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.

2016 Accomplishments

- Regional Crime Lab re-accredited by ASCLD-LAB.
- Toxicology lab re-accredited by ABFT.
- New firearms lab open as of November 14, 2015.
- New 3-day Death Investigation course, now more academically focused, CME eligible and revenue generating; New format course approx. 100 trained; previous course trained over 750 individuals from justice and law enforcement. Training program wins **2016 August Vollmer Excellence in Forensic Science Award**.
- Sexual Assault kit testing on-going with zero backlog and turn-around times under 30 days (2000+ 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- 273 as of November 2, 2016) and 300 for 1st time is projected.
- Heroin Initiative wins Justice Departments' Community Service Award, highest civilian award.

2016 MEDICOLEGAL DEATH SCENE INVESTIGATION TRAINING PROGRAM

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.

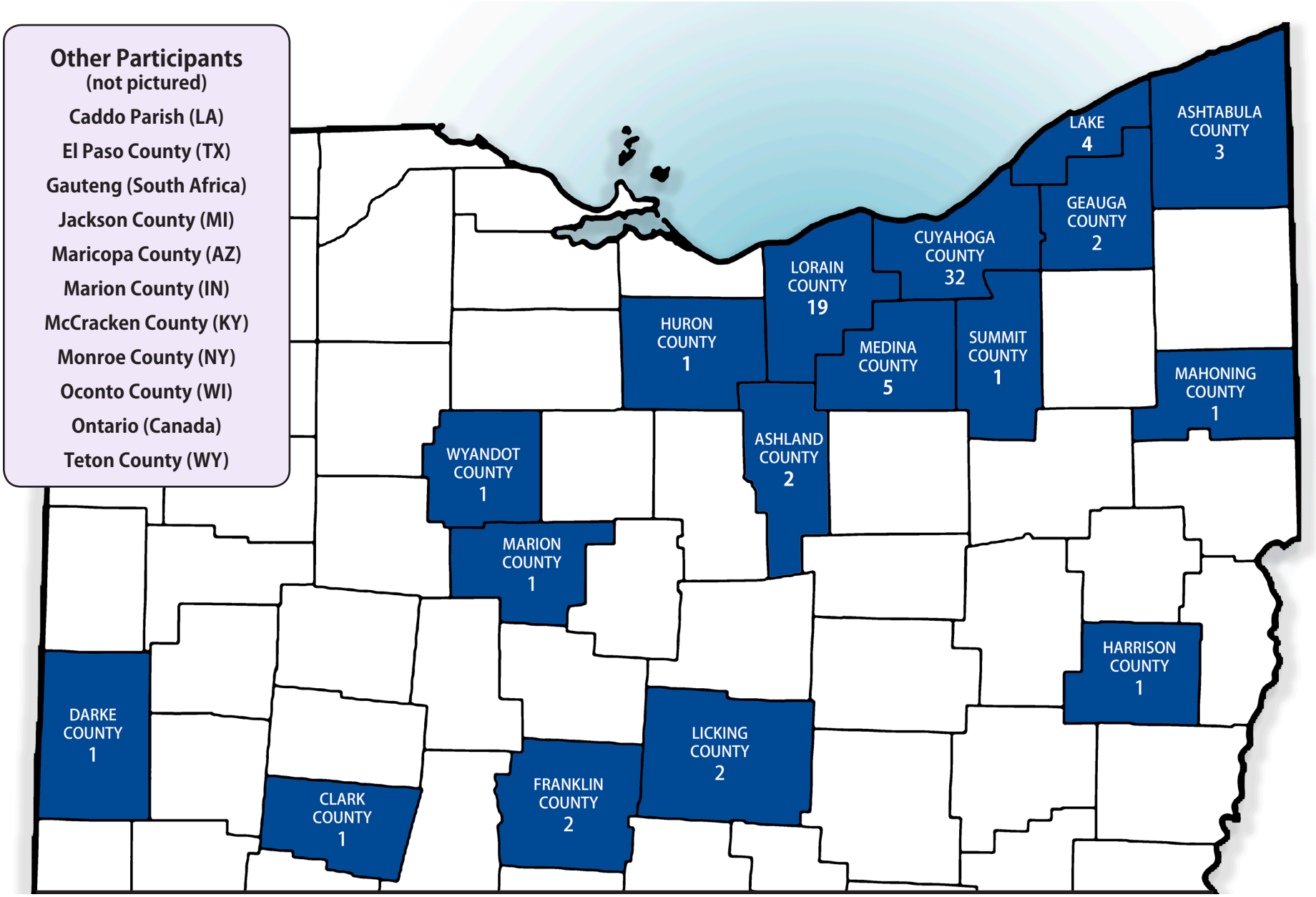


In 2016, 94 medical, law enforcement, and fire department professionals attended training at the Cuyahoga County Medical Examiner's Office.

2016 DISTRIBUTION OF MEDICOLEGAL DEATH SCENE INVESTIGATION TRAINING PARTICIPANTS BY COUNTY*

Other Participants
(not pictured)

Caddo Parish (LA)
El Paso County (TX)
Gauteng (South Africa)
Jackson County (MI)
Maricopa County (AZ)
Marion County (IN)
McCracken County (KY)
Monroe County (NY)
Oconto County (WI)
Ontario (Canada)
Teton County (WY)



* 1 participant was from the District of Columbia's U.S. Department of Health and Human Services.

2016 COMMUNITY OUTREACH PROGRAMS

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



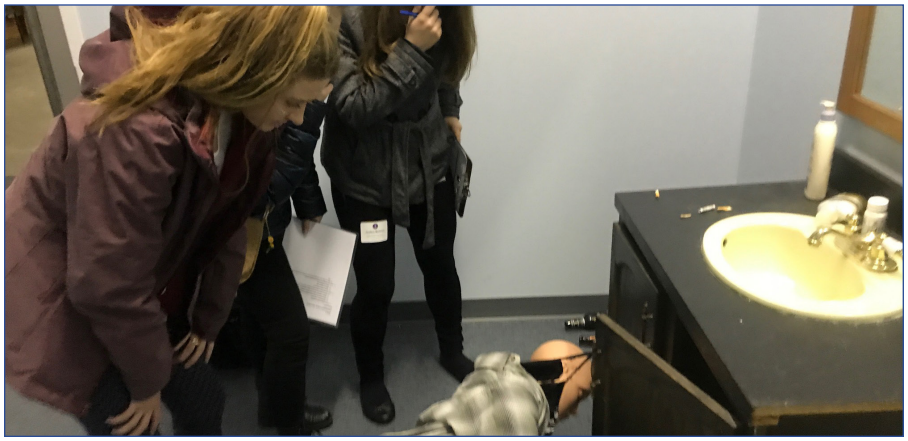
Educational tours consist of an introductory lecture and a directed tour of the 200,000+ square foot facility that houses both the Cuyahoga County Medical Examiner's Office and the Cuyahoga County Regional Forensic Science Laboratory. Tours are currently offered in April, May, September and October of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

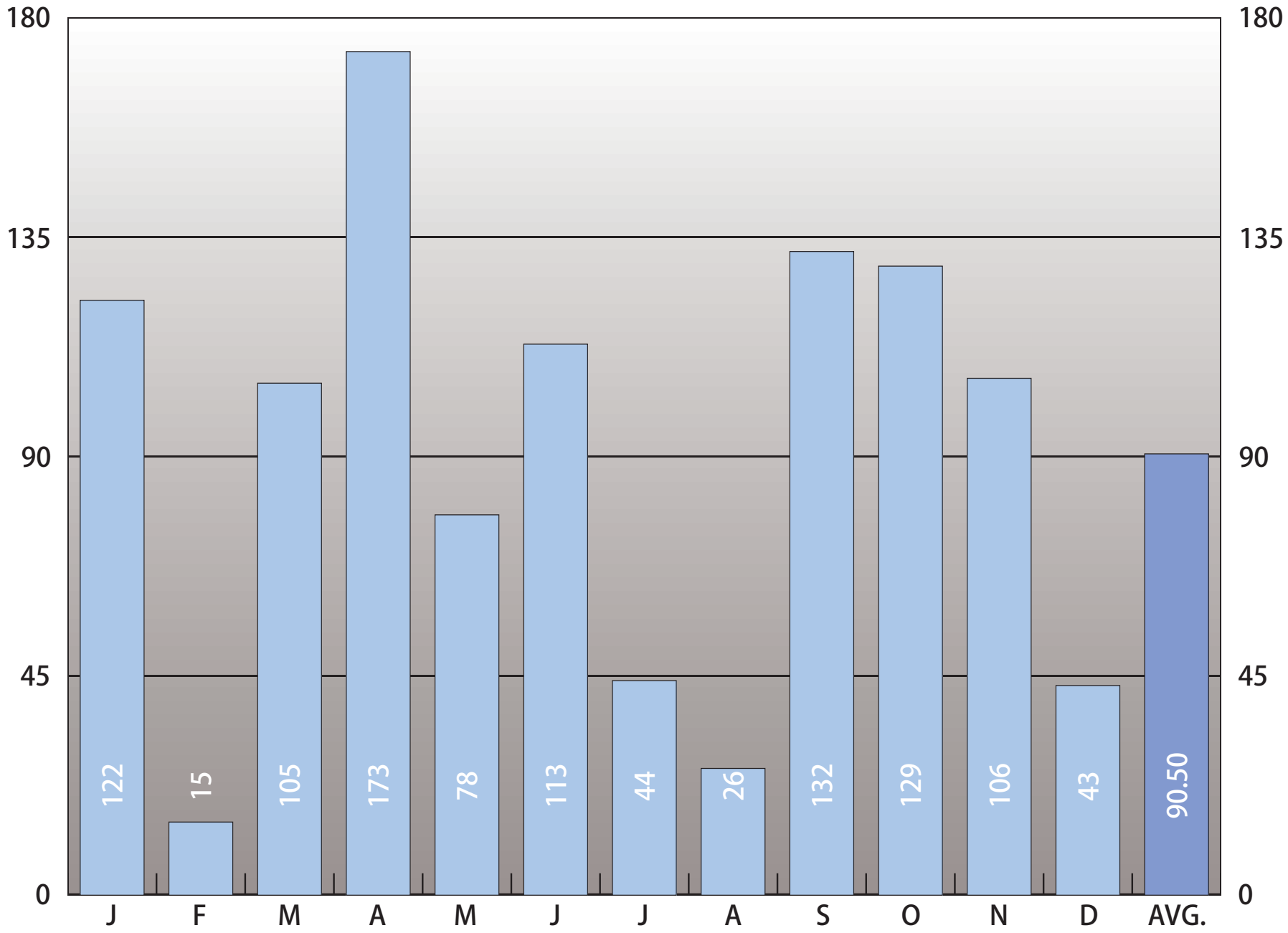
Both programs are a mix of education-based lectures and hands-on learning. The objective of each program is to provide students with greater exposure to the associated fields of forensic science in order to help direct students toward educational and career goals in these fields. The shadow courses include:

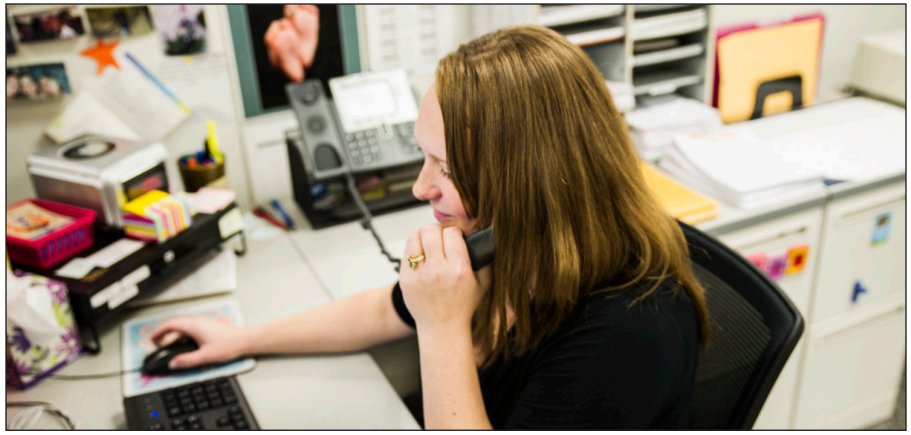
- An introduction to the Medical Examiner's Office
- A guided facility tour
- A Death Scene Investigation lecture
- Hands-on mock death scene investigations
- Attendance of the formal daily 'Viewing' (college only)
- An educational demonstration autopsy (adults only)

In 2016, 1,086 guests participated in educational tours and training at the Cuyahoga County Medical Examiner's Office. Visitors were from the following organizations; Baldwin Wallace University, Bedford High School, Bedford Police Department (PACT), Belmont College, Case Western Reserve University, Cuyahoga County Common Pleas Court Fellows, Cuyahoga County Fellows, Cuyahoga Community College, Cuyahoga County Prosecutor's Grand Jury Unit, Cuyahoga Valley Career Center, Cuyahoga Valley Christian Academy, Gilmour Academy, JFK High School, Kent State University, MLK High School, Mayfield High School, North Olmsted High School, Ohio University, Olmsted Falls High School, Orange High School, Padua Franciscan, Polaris Career Center, Saint Ignatius High School, Solon Police Department (Citizens Police Academy), South University, SuccessTech Academy, Vatterott College, and West Geauga High School.



2016 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 (2,595 cases in 2016 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 2016 the Medical Examiner's Office provided records for 4,161 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

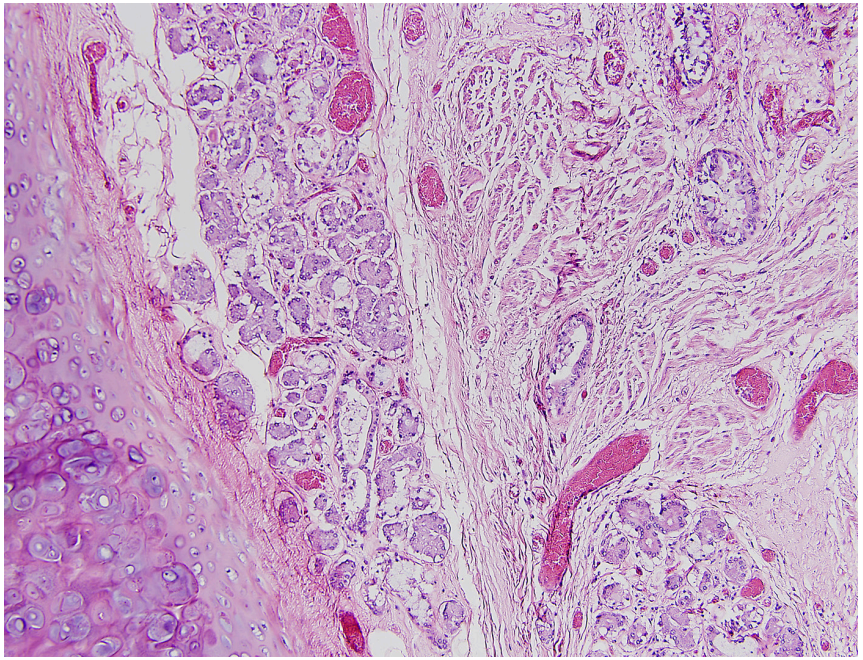
When all initial orders are completed and sent, the cases are stored in a file room until they can be scanned to disc. After scanning, the hard copy cases are stored in the Medical Examiner's Office archives (in a separate building). The case records and reports are to be held or stored in a secure and 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 G. Wilson

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.

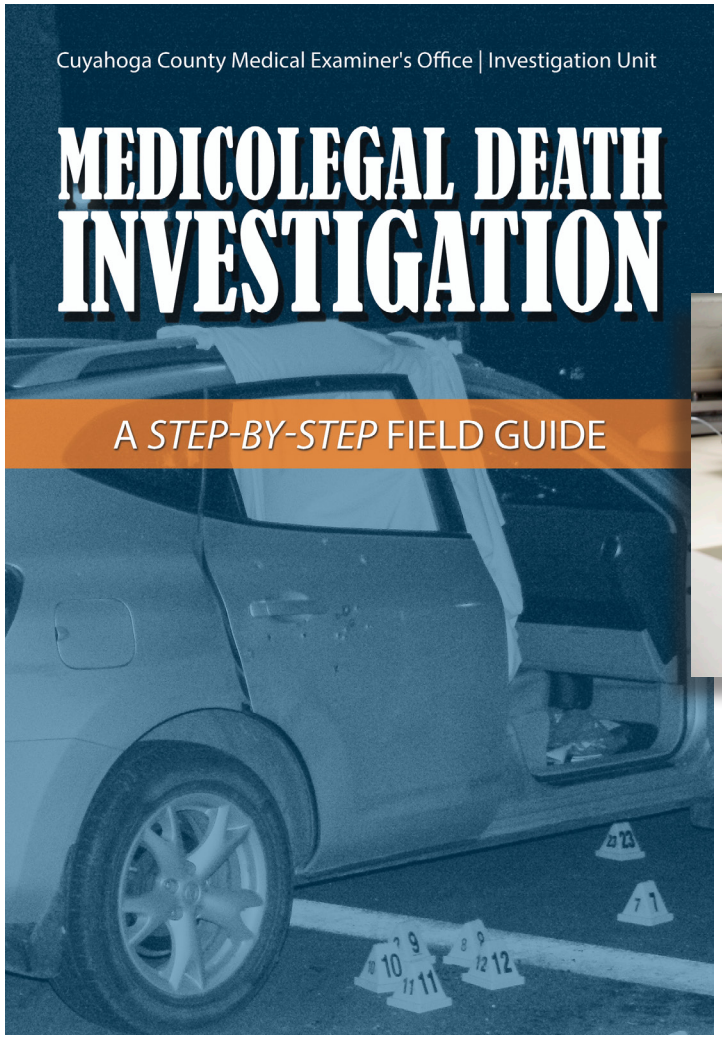
Approximately 10,000 to 15,000 slides are prepared annually in the lab. After each case is signed out by the Pathologist, all slides are returned to Histology. They are then filed and permanently kept in a secure location in our Archives.

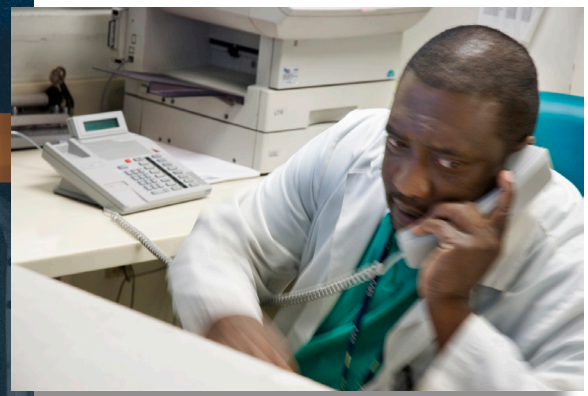
Histology slides also serve as an investigative tool helping to solve cold cases when no other DNA evidence is available. Oral, vaginal and rectal (OVR) swabs are taken in cases of suspected homicide and sexual assault. Slides are made after the swabs are rubbed on glass slides and stained for the Pathologist 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 lead 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.

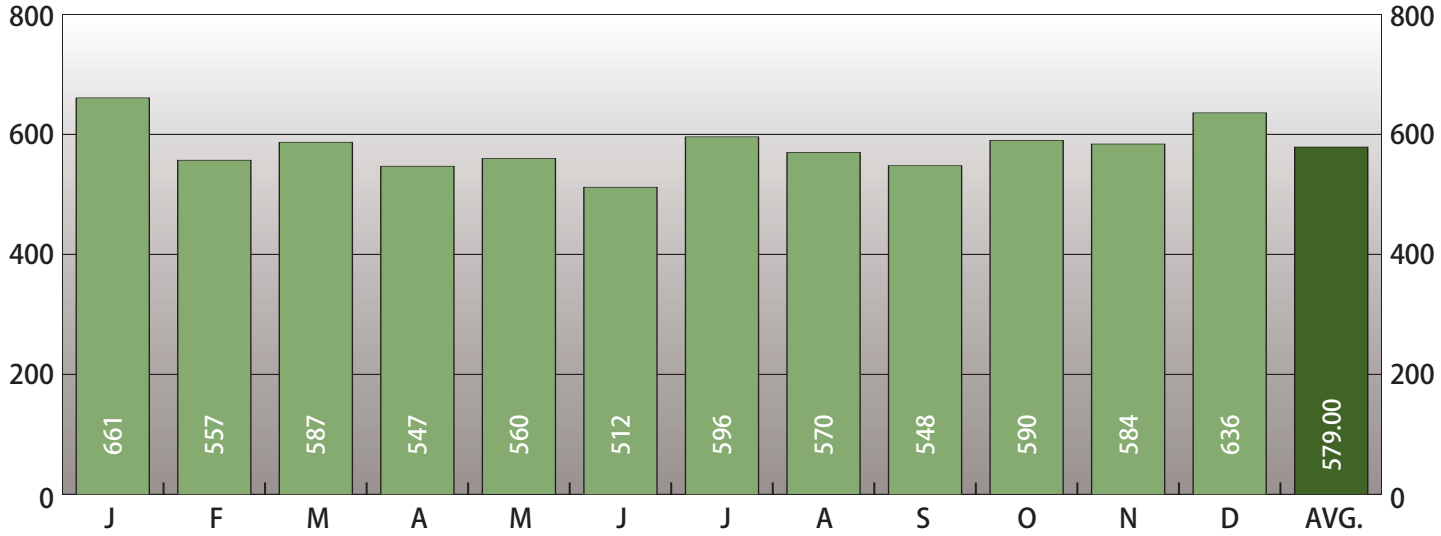
	Cuyahoga County	Outside Cuyahoga County	Total
Total Number of Autopsied Cases	1,491	317	1,808
Sections Received	17,886	3,734	21,620
Blocks Prepared	13,733	2,906	16,639
Slides Prepared and Stained			
Smears (Oral, Rectal, Vaginal)	114	42	156
Standard Staining (Routine Hematoxlin - Eosin)	13,733	2,906	16,639
Special Stains			
Acid Fast Bacteria	12	2	14
Amyloid	6	0	6
Crystal Violet	2	0	2
Gomori Methenamine Silver	13	2	15
Gram (Brown + Brenn)	7	0	7
Immunohistochemistry	14	0	14
Iron	88	24	88
PAS	2	0	2
Retuculin	3	0	3
Masson Trichrome	4	0	4
Wright Giemsa	6	0	6
Rectus Prepared			
Diagnostic Recut	5	3	8
Educational Recut	0	0	0
Legal Case Recut	222	10	232
Total Slides Prepared	14,231	2,989	17,720

One of the primary responsibilities of the unit is to collect enough information from the initial death report to determine if the case needs to come into the Cuyahoga County Medical Examiner's Office or if it can be released. 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.



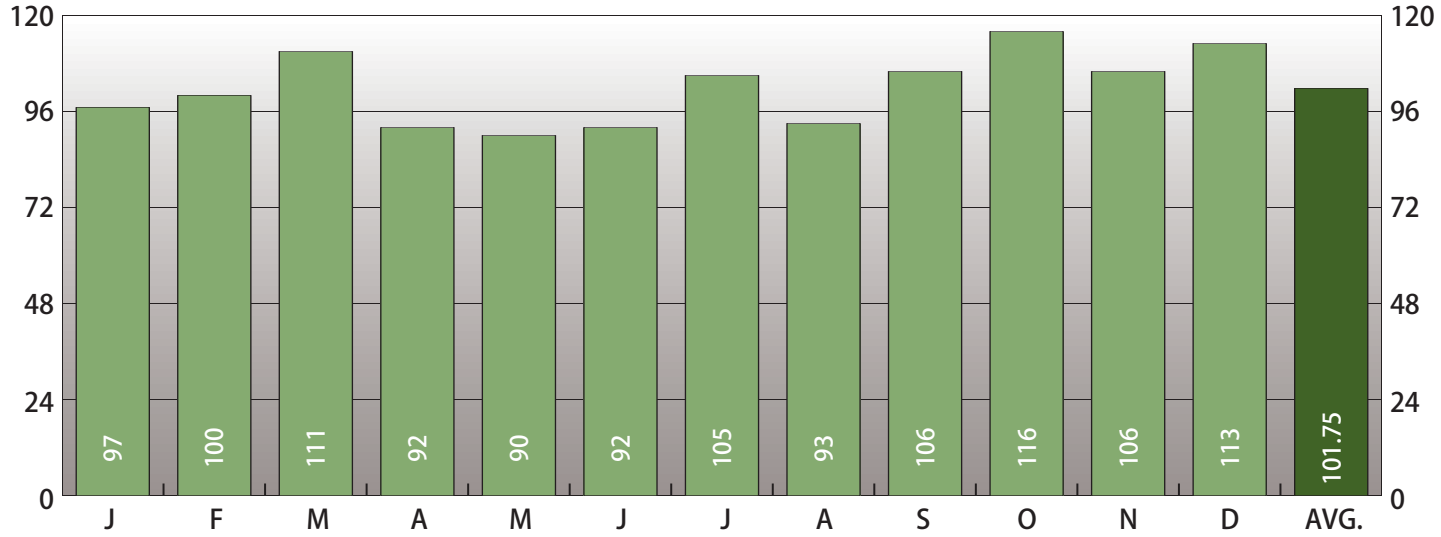


TOTAL NUMBER OF HANDLED CASES BY MONTH FOR THE YEAR 2016



2016
TOTAL CASES
6,948

TOTAL NUMBER OF SCENE INVESTIGATIONS BY MONTH FOR THE YEAR 2016



2016
TOTAL SCENES
1221

The Medical Secretaries work with the Pathologists to complete the Final Pathological Diagnosis and Report of Autopsy for both Cuyahoga County and a number of 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 1,483 Final Pathological Diagnosis and Reports of Autopsy for Cuyahoga County cases and 317 for surrounding county cases in 2016.**





Photograph by G. Wilson

2016 PATHOLOGY DEPARTMENT REPORT

The Department of Pathology is staffed by 5 – 6 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.

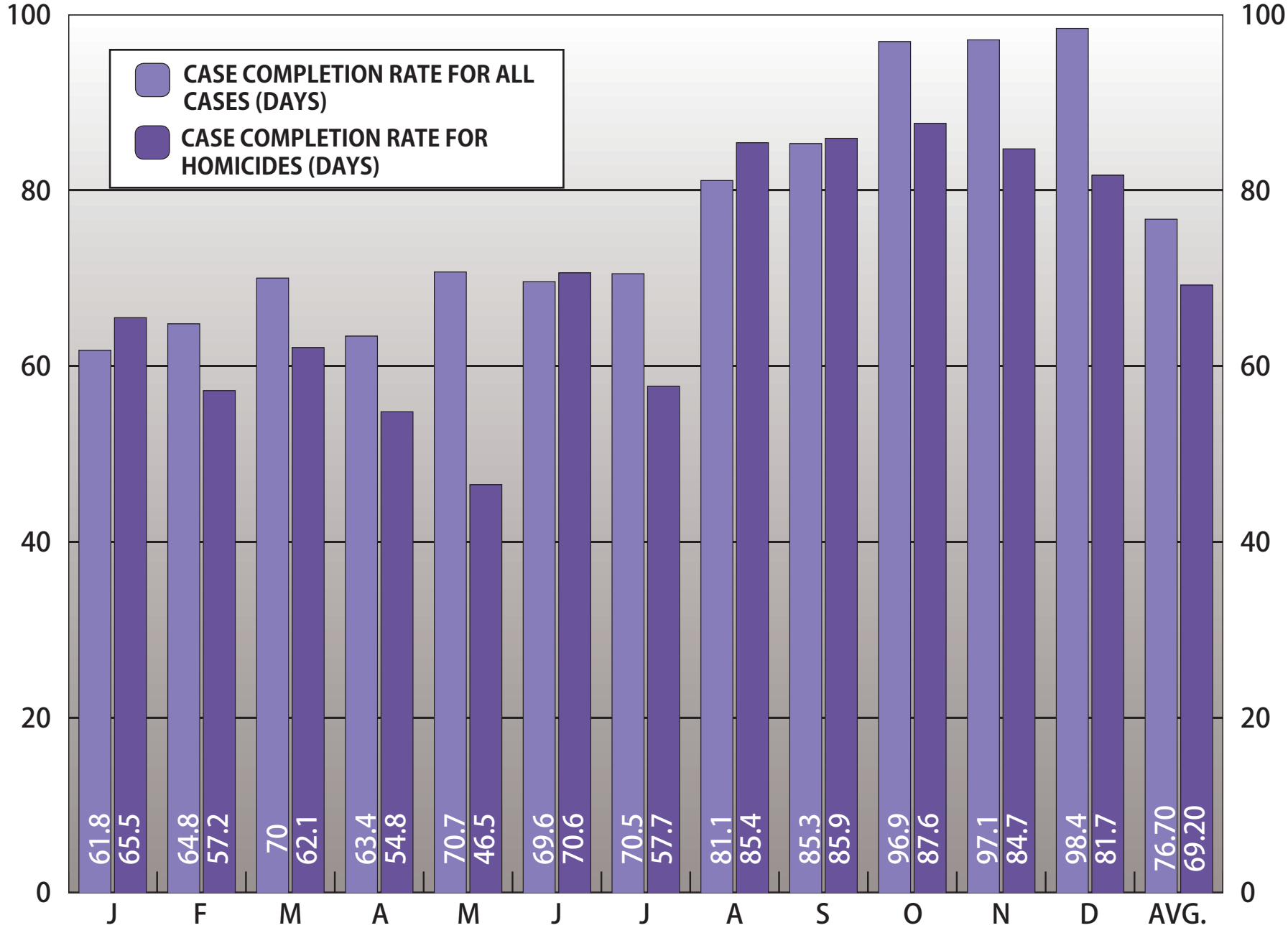
The primary duty of the Deputy Medical Examiner is to perform autopsies to determine the cause and manner of death. Additional duties include testifying in court in both criminal and civil cases, teaching medical students, hospital pathology residents, and other groups, and occasional examination of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

2016 PATHOLOGY CASE COMPLETION RATES



2016 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 has to 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.

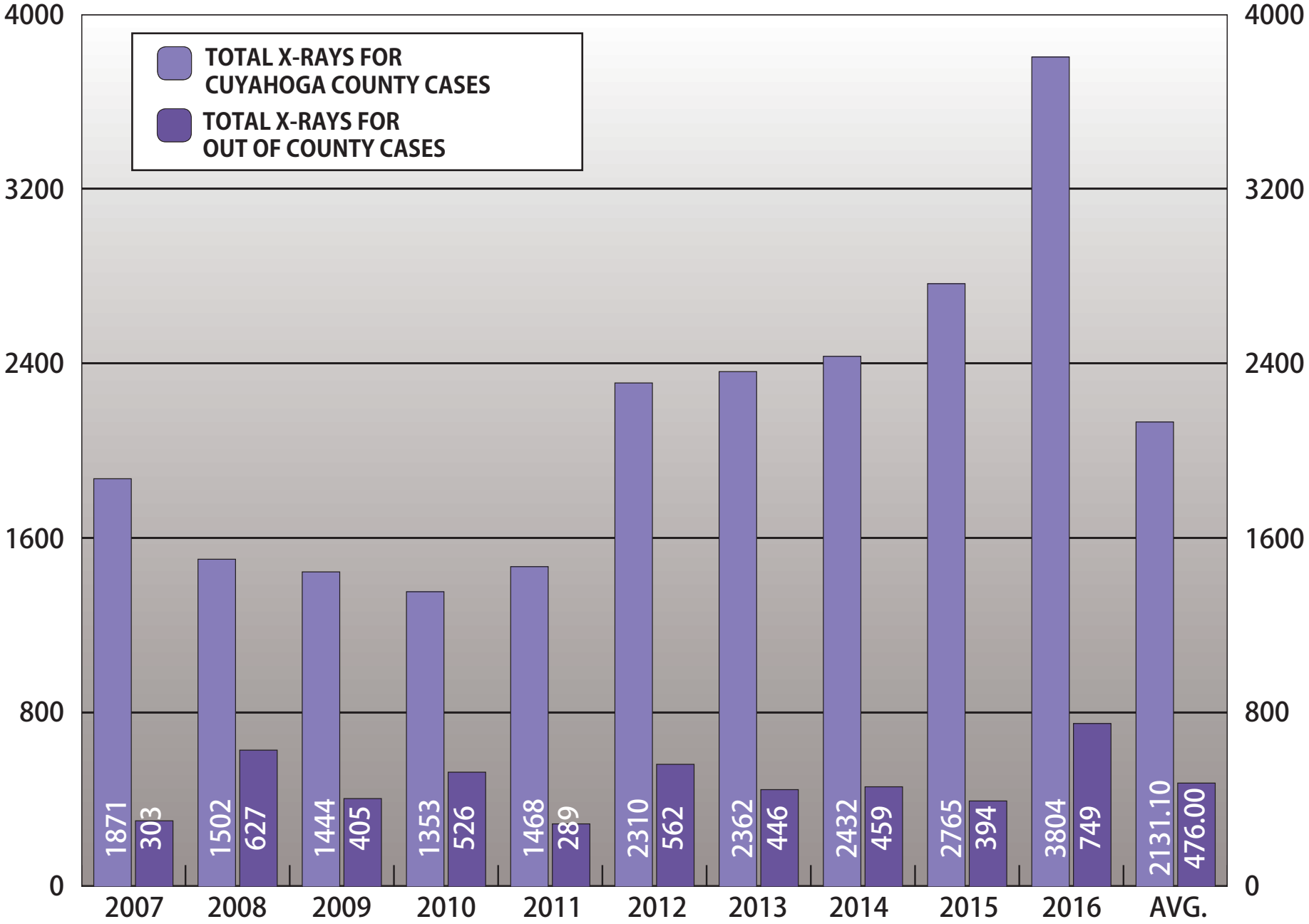
The Cuyahoga County Medical Examiner's Office converted from film radiographs to a Digital Computerized Radiograph (CR) system in July, 2011. The quality of images and the versatility provided by the system has significantly enhanced the information provided to the Forensic Pathologists. The ability 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.

3,804 radiographs were made in 2016 of inside cases.
749 radiographs were made in 2016 of outside cases.

X-RAYS FOR A PERIOD OF TEN YEARS



2016 PHOTOGRAPHY UNIT REPORT

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.

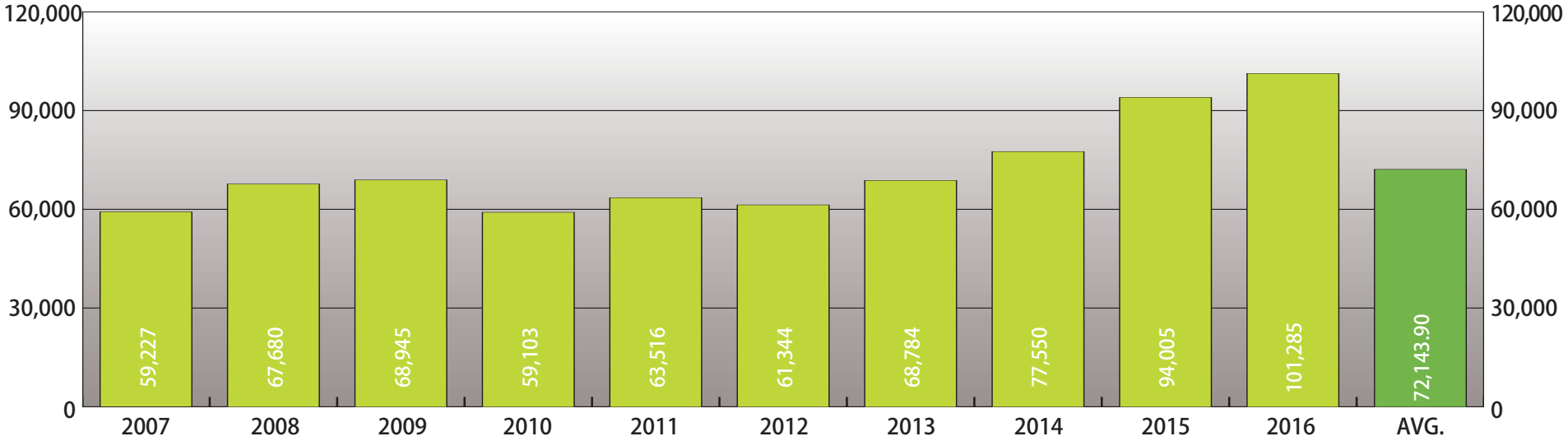
Photography, as part of a case report, provides visual support to the written notes and observations of the pathologist during viewing or autopsy, the forensic scientist's examination of clothing or evidence, and the findings of other staff members. It is a teaching aid in lectures and a visual aid in 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.

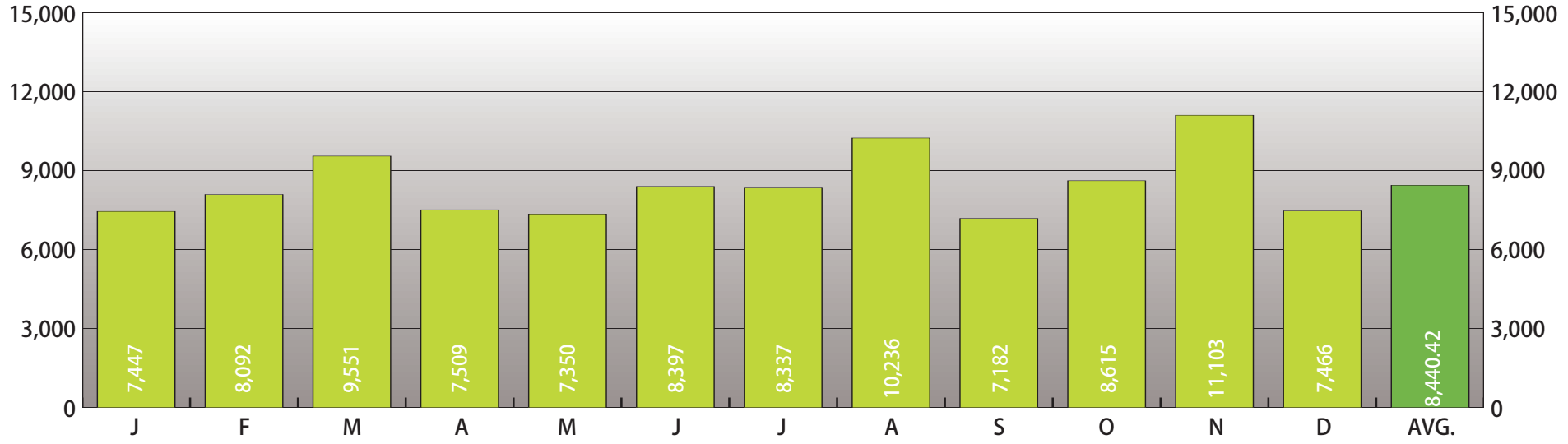
Historically, the Photography Unit at the Medical Examiner's Office has also had the responsibility and the resources to produce three-dimensional constructs and graphics (including this report). Charts, graphs, illustrations, crime scene reconstructions or other scale models are utilized in court, classrooms 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

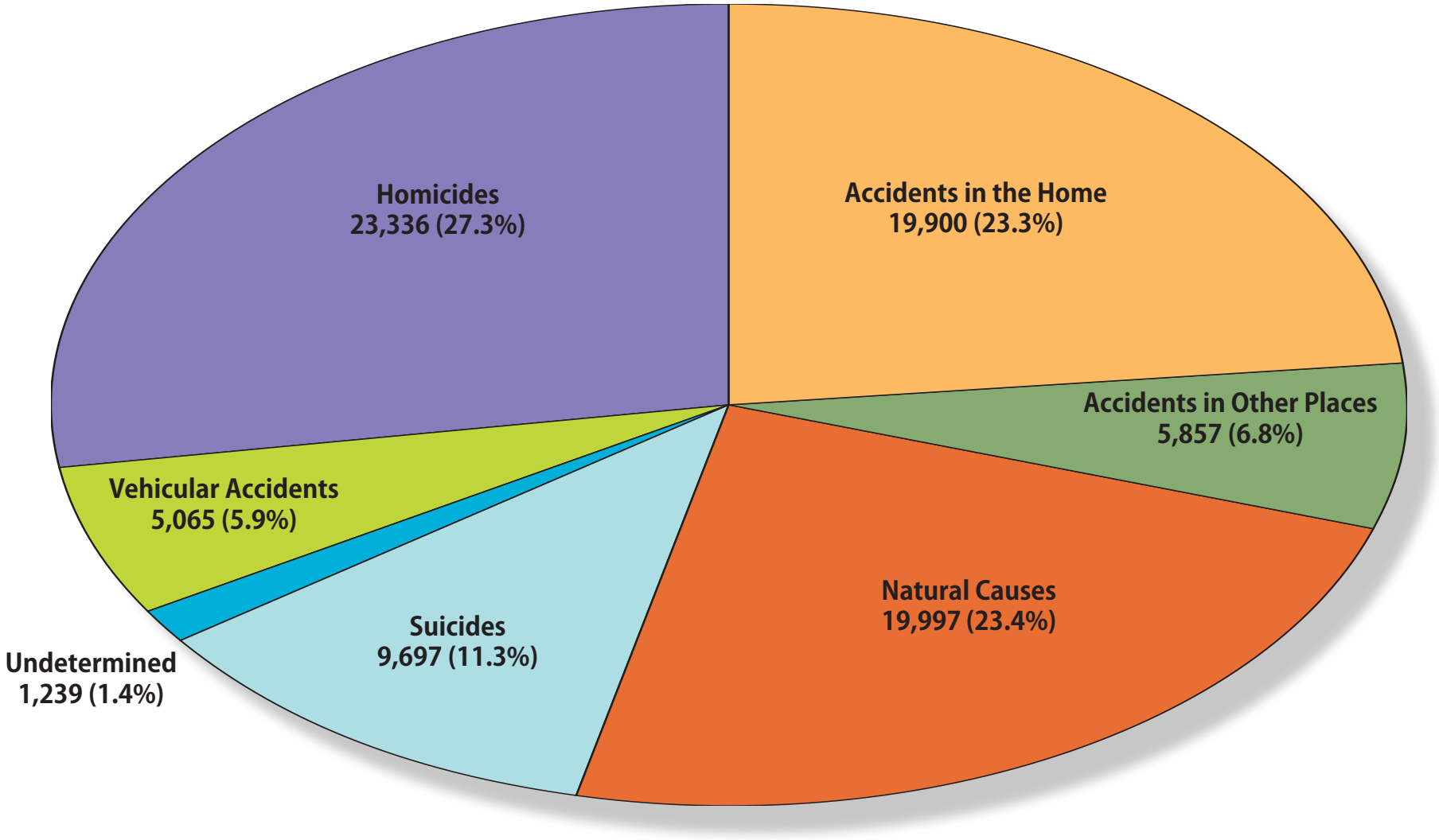


TOTAL NUMBER OF RECORDED IMAGES BY MONTH FOR THE YEAR 2016



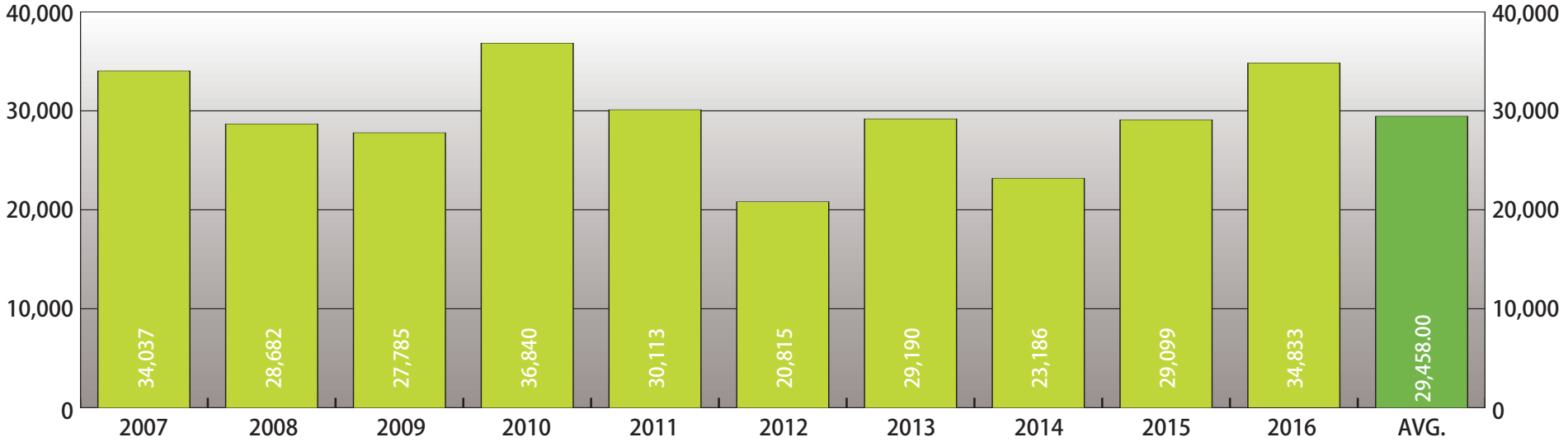
RECORDED IMAGES BY MANNER OF DEATH*

85,379 Digital Photographs



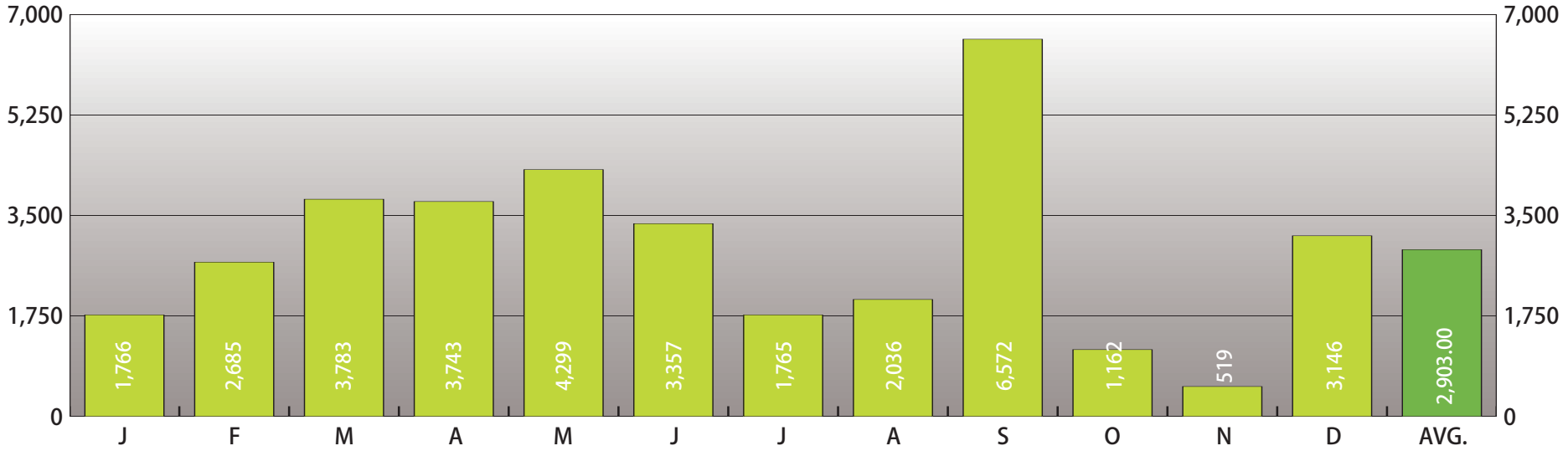
*Only the 85,091 digital images of 2016 Medical Examiner's cases taken in the calendar year 2016 were tabulated for this chart.
**Not included on this chart: Accidents While at Work (125) and No Manner Issued (163)

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



2016 PHOTOGRAPHY UNIT REPORT

TOTAL NUMBER OF RELEASED IMAGES (PRINTED AND DIGITAL) BY MONTH FOR THE YEAR 2015



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.

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.

CUYAHOGA COUNTY REGIONAL FORENSIC SCIENCE LABORATORY



Photograph by G. Wilson

2016 DRUG CHEMISTRY SECTION REPORT

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.

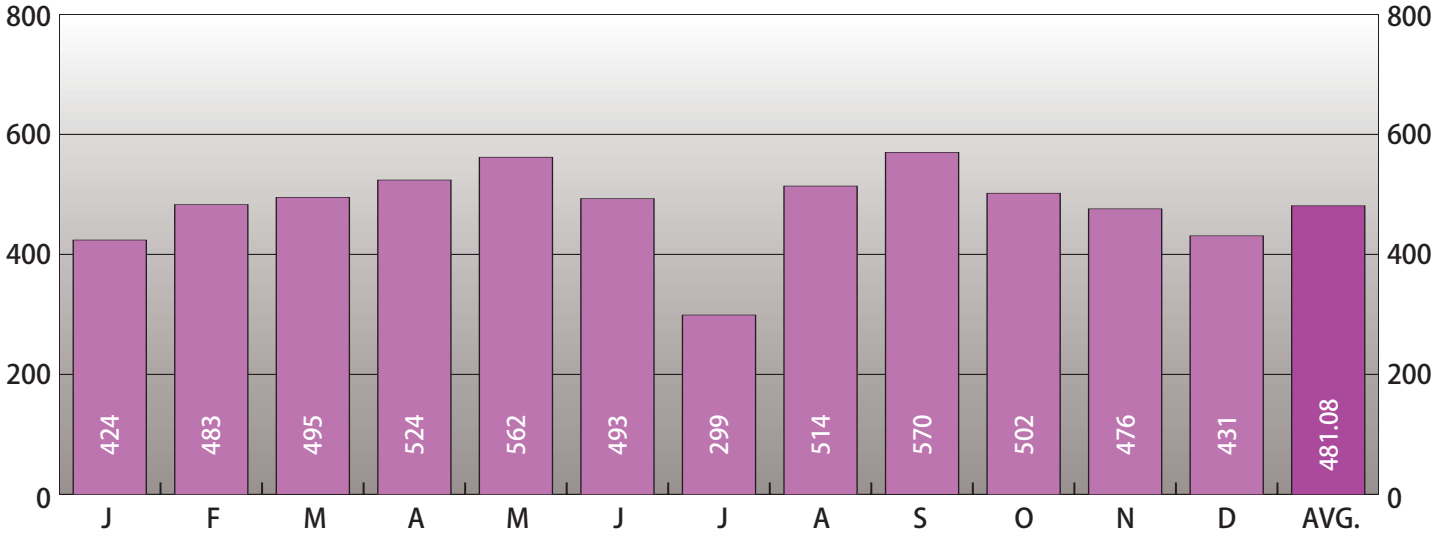
The Drug Chemistry Section has streamlined its reporting process by producing and delivering all reports electronically. Doing so has allowed the new Cuyahoga County Regional Forensic Science Lab to deliver controlled substance testing results much more quickly and efficiently than was being done previously. 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.

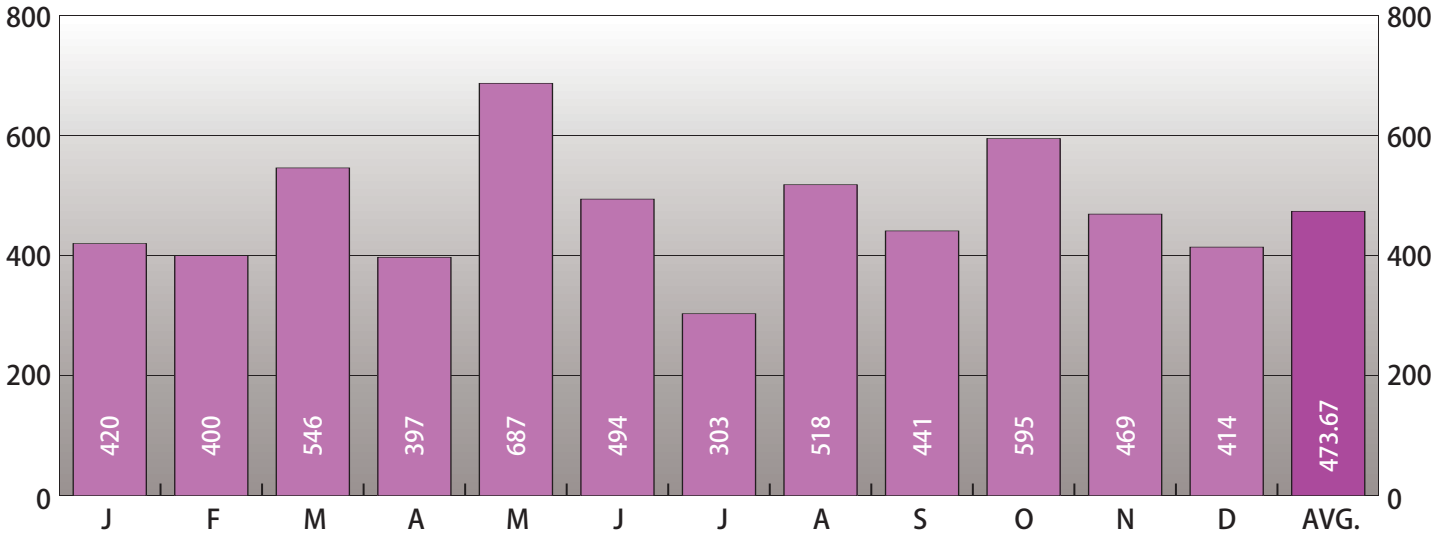
CASES SUBMITTED BY MONTH FOR THE YEAR 2016



2016
TOTAL CASES
5,773

2016 DRUG CHEMISTRY SECTION REPORT

CASES COMPLETED BY MONTH FOR THE YEAR 2016



2016 CASELOAD BY SUBMITTING AGENCY

TABLE 79

Submitting Agency	Total	Submitting Agency	Total
Cleveland Police Department Narcotics	2985	South Euclid Police Department	24
Cleveland Police Department-2nd District	2636	University Circle Police Department	24
Cleveland Police Department-3rd District	1876	US Postal Inspection Service	24
Cleveland Police Department-5th District	1591	Shaker Heights Police Department	23
Cleveland Police Department-4th District	1330	Brooklyn Heights Police Department	18
Cuyahoga County Sheriff's Office	1300	Lyndhurst Police Department	17
CMHA Police Department	1261	Cleveland Police Department Traffic Enforcement	16
Cleveland Police Department-1st District	903	Highland Heights Police Department	16
Euclid Police Department	829	Orange Village Police Department	15
RTA Transit Police	627	Warrensville Heights Police Department	15
Lakewood Police Department	481	CPD Sex Crimes Unit	14
SDEU	297	Mayfield Village Police Department.	8
Cleveland MetroPark Ranger Department	271	Parma Police Department	7
Brookpark Police Department	214	Westlake Police Department	6
Cleveland Heights Police Department	154	Brooklyn Police Department	5
Cuyahoga County Medical Examiner's Office	149	Chester Township PD	4
Cleveland Police Department Homicide	120	Highland Hills Police Department	4
Bedford Police Department	101	Moreland Hills PD	4
Bratenahl Village Police Department	72	Parma Heights Police Department	4
DEA Cleveland	70	University Hospitals Police	4
Newburgh Heights PD	63	Cuyahoga Community College	3
Cleveland Clinic Police Department	46	Hunting Valley Police Department	2
Mayfield Heights Police Department	40	Valley View Police Department	2
Richmond Heights Police Department	36	Brunswick Police Department	1
CPD Cleveland-Hopkins Airport Authority	34	East Cleveland Police Department	1
Bay Village Police Department	29	Elyria Police Department	1
Cuyahoga County Regional Forensic Science Lab	28	Middleburg Heights Police Department	1
US Dept.of Veterans Affairs-Police Serv.	28	Seven Hills Police Department	1
Olmsted Township Police Department	25		

TABLE 80 2016 CONTROLLED SUBSTANCE RESULT FREQUENCY*

Controlled Substance	Total	Controlled Substance	Total
Marihuana	3378	Tramadol	59
Cocaine	2585	Amphetamine	55
Heroin	1948	Buprenorphine and Naloxone	53
Fentanyl	1036	Hydrocodone and Acetaminophen	40
Delta-9-Tetrahydrocannabinol (THC)/Hashish	417	Clonazepam	38
Synthetic Cannabinoids	245	MDMA	30
MDMB-FUBINACA Alone	135	Steroids	22
Fentanyl Analogs	236	Monoacetylmorphine	19
Carfentanyl Alone	102	Morphine	17
Methamphetamine	235	N-Benzylpiperazine (BZP)	17
Substituted Cathinones	177	Diazepam	14
Alprazolam	156	Lysergic Acid Diethylamide	14
Oxycodone and Acetaminophen	152	Codeine and Acetaminophen	13
PCP	95	Methadone	13
Oxycodone	60	Trifluoromethylphenylpiperazine (TFMPP)	11

2016 CONTROLLED SUBSTANCE RESULT FREQUENCY* (continued)

TABLE 80

Controlled Substance	Total	Controlled Substance	Total
Mitragynine (Kratom)	9	Ephedrine/Pseudoephedrine	3
Zolpidem	9	Propoxyphene	3
Codeine	8	Psilocyn	3
Ketamine	8	Benzothiophenylcyclohexylpiperidine (BTCP)	2
Lorazepam	8	25C-NBOMe	1
Buprenorphine	7	MeO-PCP	1
Carisoprodol	7	Methylenedioxypyrovalerone (MDPV)	1
Methylphenidate	6	Oxymorphone	1
Phentermine	6	Phenobarbital	1
Pregabalin	6	Propoxyphene and Acetaminophen	1
Promethazine	6		
Hydromorphone	5		
Lisdexamphetamine	5		
N,N-Dimethyltryptamine (DMT)	5		
Noscapine	4		

*5,251 total cases were processed in 2016.

TABLE 81 2016 CONTROLLED SUBSTANCE AMOUNTS REPORTED

Controlled Substance	Unit Dose	Grams	Controlled Substance	Unit Dose	Grams
Marihuana		602431.4	Tramadol	3771	362.94
Cocaine		16600.67	Amphetamine	231.5	22
Heroin	304	6878.81	Buprenorphine and Naloxone	217	2.14
Fentanyl		2613.41	Hydrocodone and Acetaminophen	218	
Delta-9-Tetrahydrocannabinol (THC)/Hashish		6041.22	Clonazepam	184	0.43
Synthetic Cannabinoids		3870.05	MDMA		22.18
MDMB-FUBINACA Alone		2540.7	Steroids	25	3.38
Fentanyl Analogs		583.84	Monoacetylmorphine		8.86
Carfentanyl Alone		93.36	Morphine	122	45.02
Methamphetamine		692.42	N-Benzylpiperazine (BZP)	14	1.28
Substituted Cathinones		818.42	Diazepam	57.5	2.32
Alprazolam	4293	27.28	Lysergic Acid Diethylamide	137	
Oxycodone and Acetaminophen	1909	50.14	Codeine and Acetaminophen	74	
PCP	12	112.12	Methadone	197	0.38
Oxycodone	605	2.06	Trifluoromethylphenylpiperazine (TFMPP)	11	0.5

2016 CONTROLLED SUBSTANCE AMOUNTS REPORTED (continued)

TABLE 81

Controlled Substance	Unit Dose	Grams	Controlled Substance	Unit Dose	Grams
Mitragynine (Kratom)		282.01	Ephedrine/Pseudoephedrine		44.06
Zolpidem	34		Propoxyphene	17	
Codeine		124.05	Psilocyn		31.51
Ketamine		17.19	Benzothiophenylcyclohexylpiperidine (BTCP)		0.56
Lorazepam	75.5		25C-NBOMe	10	
Buprenorphine	33.75		MeO-PCP		0.22
Carisoprodol	16.5	0.4	Methylenedioxypyrovalerone (MDPV)		0.3
Methylphenidate	10	0.85	Oxymorphone	11	
Phentermine	189		Phenobarbital	8	
Pregabalin	69		Propoxyphene and Acetaminophen	8	
Promethazine		395.01			
Hydromorphone	36				
Lisdexamphetamine	13	0.36			
N,N-Dimethyltryptamine (DMT)		4.71			
Noscapine	7	0.86			

Forensic Scientists within the Fingerprint Laboratory will develop and recover latent prints from a 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

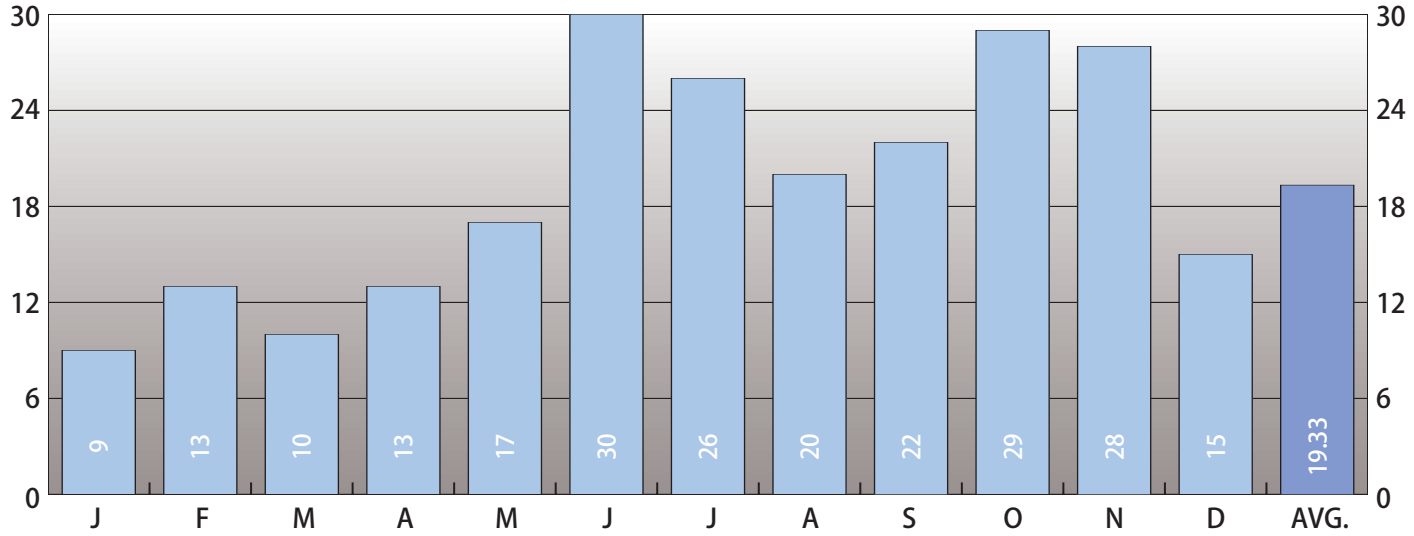
Comparison—the observation of two or more impressions to determine the existence of discrepancies, dissimilarities or similarities

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.

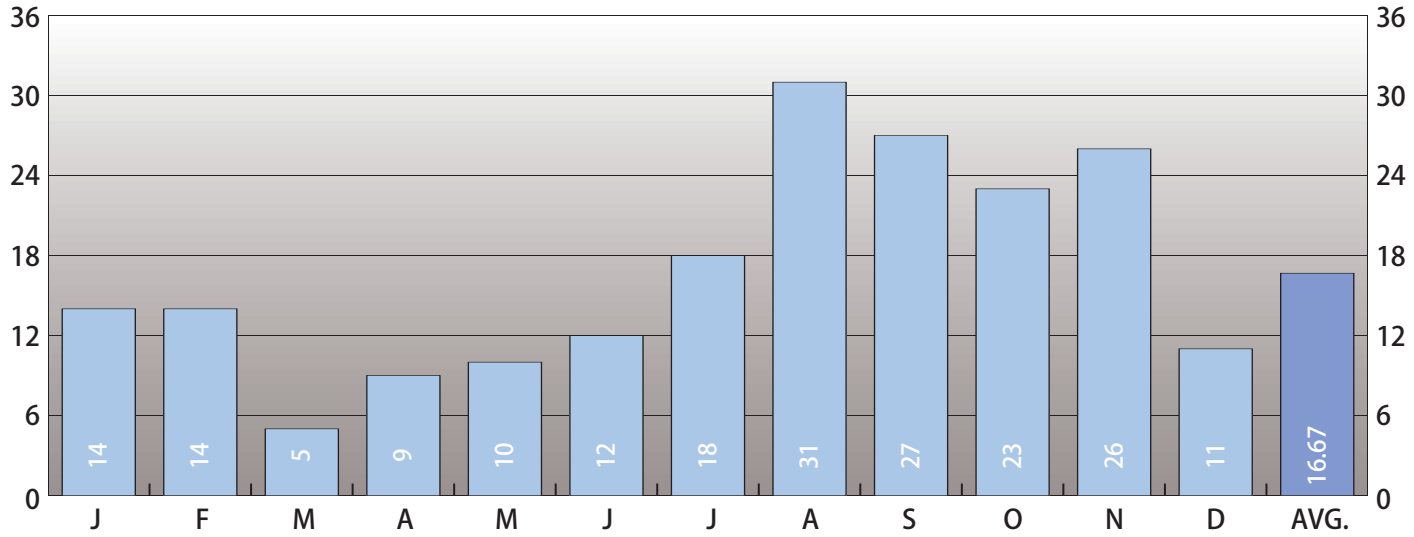


CASES SUBMITTED BY MONTH FOR THE YEAR 2016



2016
TOTAL CASES
234

CASES COMPLETED BY MONTH FOR THE YEAR 2016




Photograph by G. Wilson

2016 FORENSIC DNA UNIT REPORT

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 accreditation. 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: CODIS and Casework.

The CODIS component makes use of the federal Combined DNA Index System (CODIS) which blends computer and DNA technologies into an effective tool for fighting violent crime. The current version of CODIS uses two indexes to generate investigative leads in crimes where biological evidence is recovered from the crime scene. The Convicted Offender index contains DNA profiles of individuals convicted of felony sex offenses (and other violent crimes). The Forensic index contains DNA profiles developed from crime scene evidence. CODIS utilizes computer software to automatically search these indexes for matching DNA profiles.

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

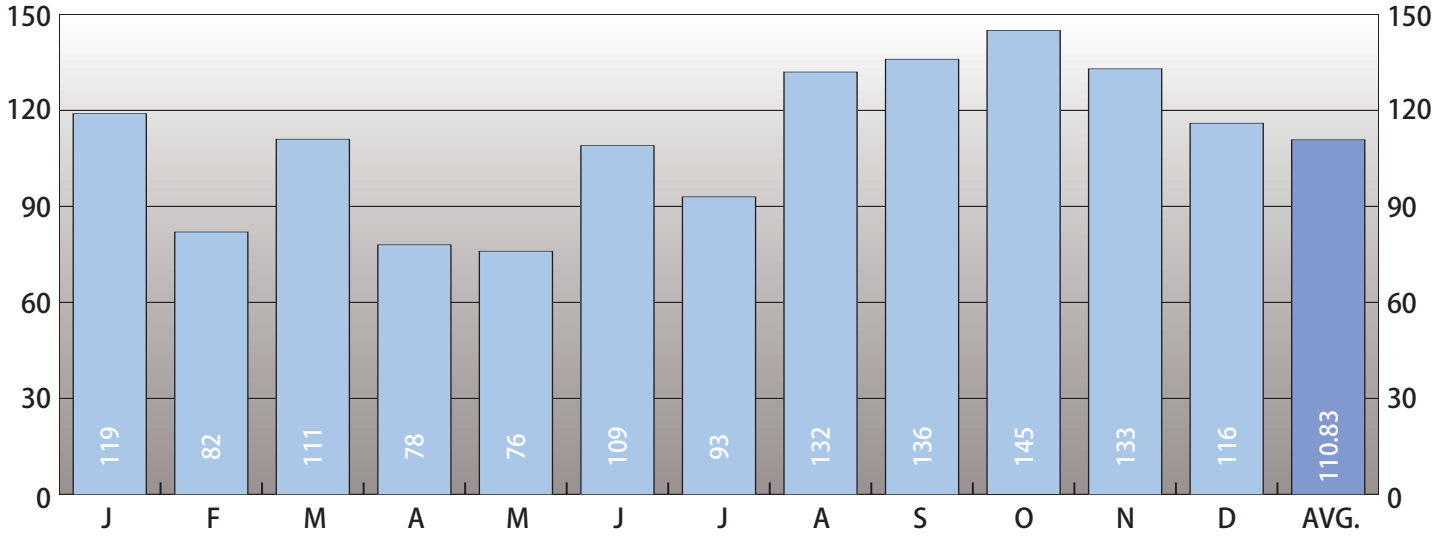
The unit assists law enforcement in resolving homicide cases through identification of any foreign DNA on the victim and through identification of DNA on the evidence collected from the crime scene and potential suspects. The unit also performs DNA analysis on biological evidence collected in sexual 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 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.



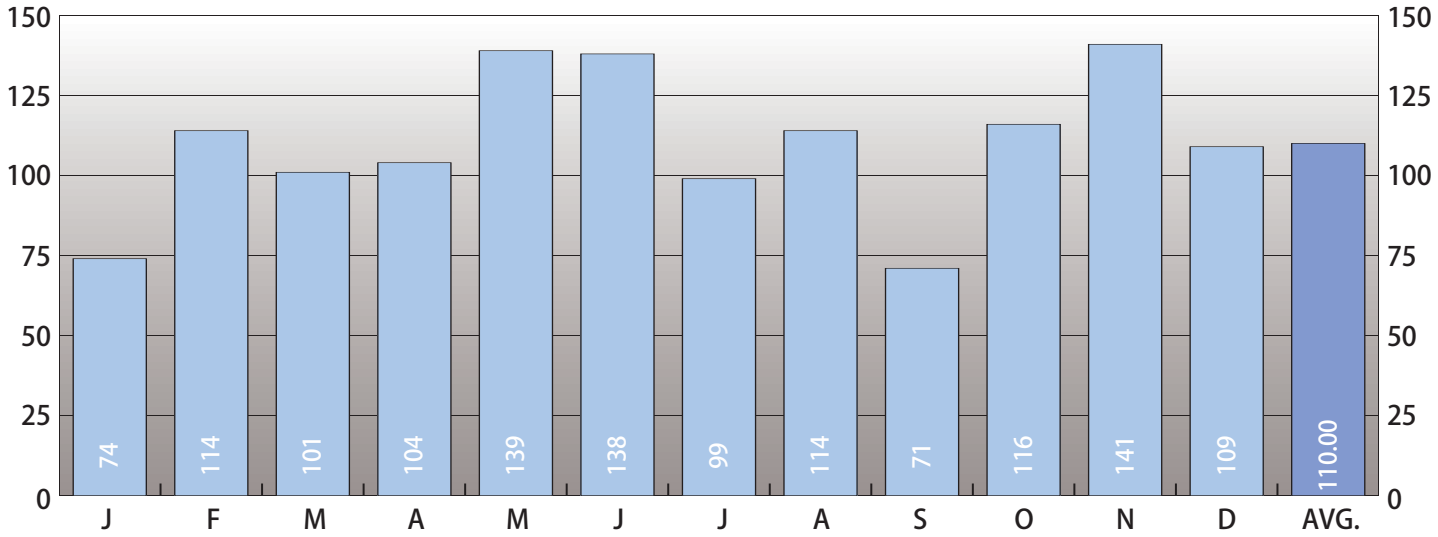
CASES SUBMITTED BY MONTH FOR THE YEAR 2016



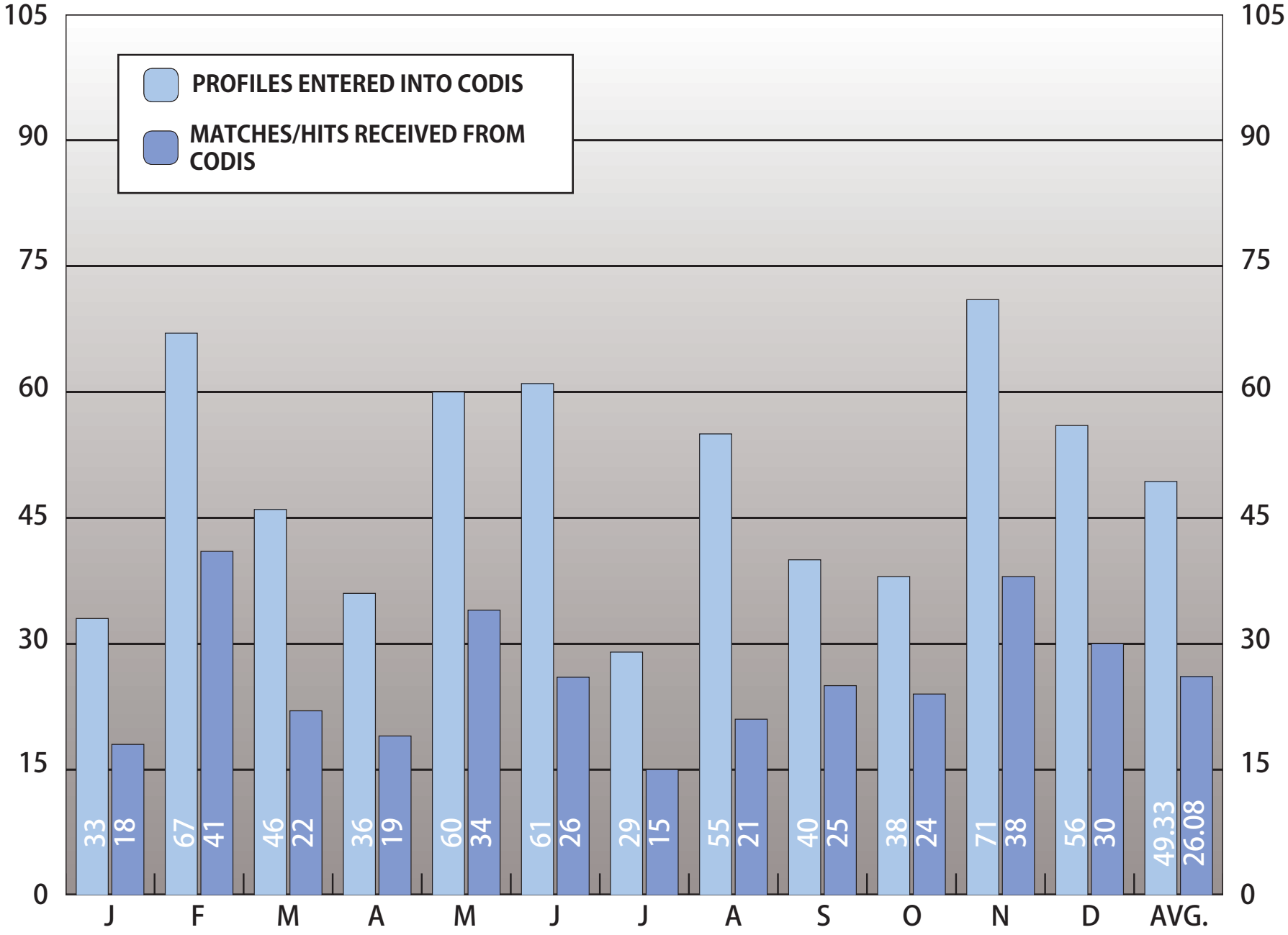
2016
TOTAL CASES
1330

2016 FORENSIC DNA UNIT REPORT

CASES COMPLETED BY MONTH FOR THE YEAR 2016



2016 COMBINED DNA INDEX SYSTEM (CODIS)





Photograph by G. Wilson



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:

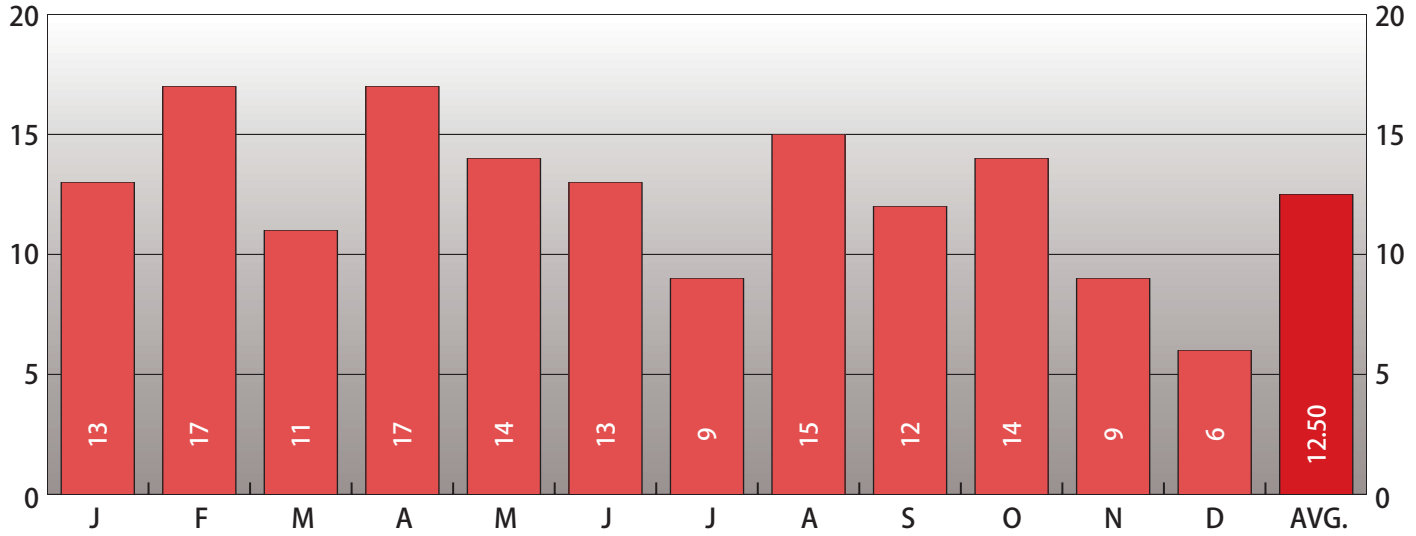
- Paternity test
- Maternity test
- Sibship test
- Grandparents test
- Twin Zygosity
- DNA ID profiling
- Immigration DNA test

The Parentage & Identification Unit of the Cuyahoga County Regional Forensic Science Laboratory also provides DNA relationship services to 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

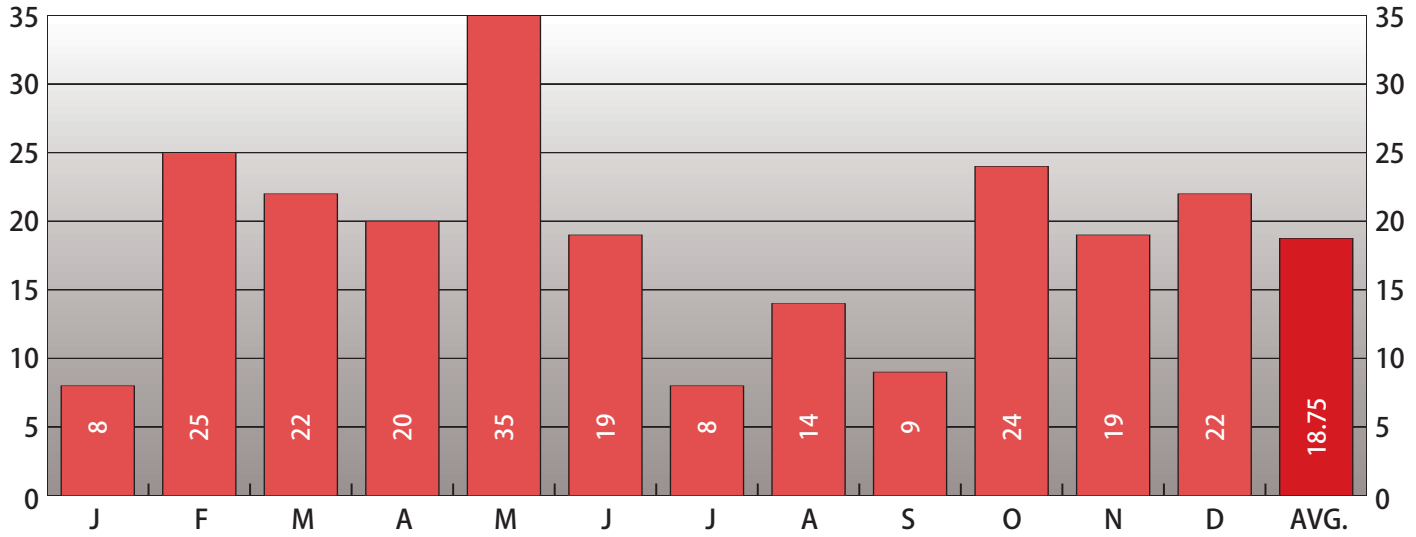
CASES SUBMITTED BY MONTH FOR THE YEAR 2016



2016
TOTAL CASES
150

2016 PARENTAGE AND IDENTIFICATION DEPARTMENT REPORT

CASES COMPLETED BY MONTH FOR THE YEAR 2016





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 medicolegal 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.

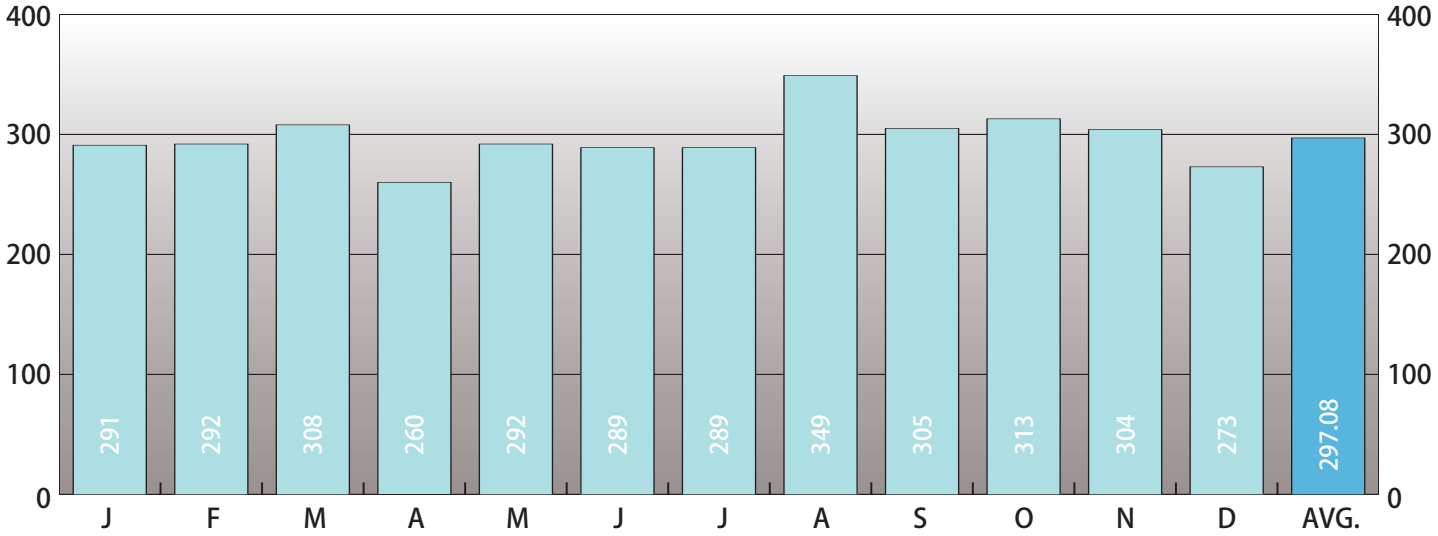
Postmortem toxicology is performed to assist pathologists, coroners or medical examiners determine whether drugs, alcohol or chemicals played a role in causing the death of an individual. The Toxicologist identifies and quantifies the drugs present in postmortem fluids and tissues and provides interpretation 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 3,025 cases are processed each year involving over 38,327 specific analytical assays.

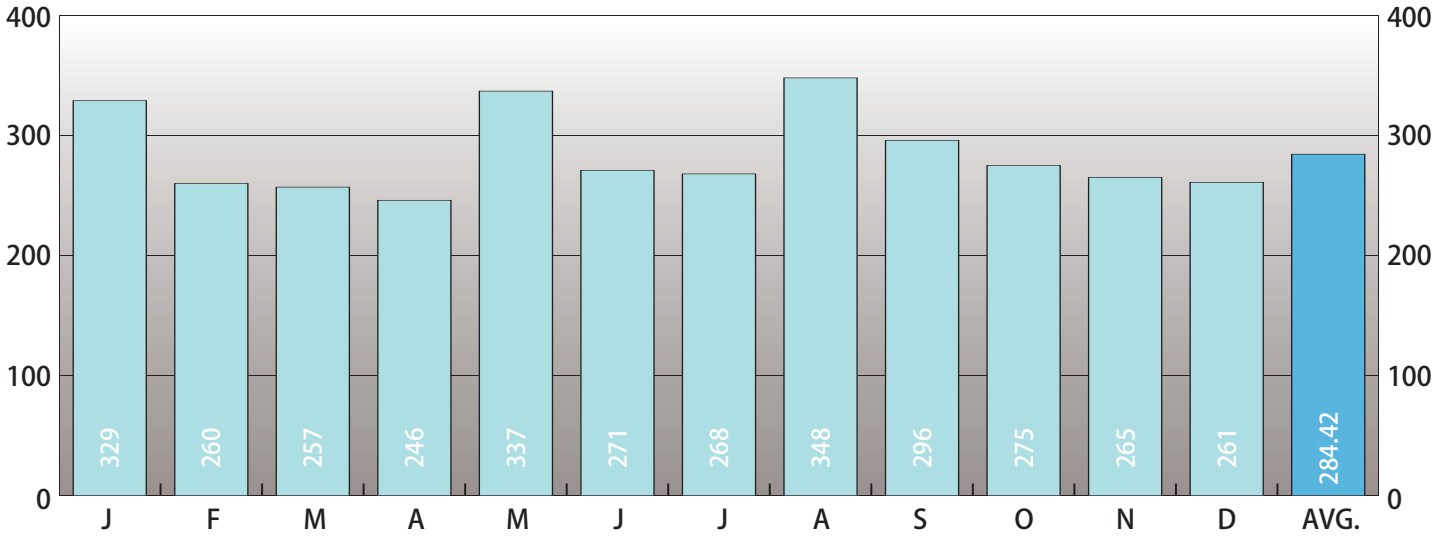
CASES SUBMITTED BY MONTH FOR THE YEAR 2016



2016
TOTAL CASES
3,565

2016 TOXICOLOGY LABORATORY REPORT

CASES COMPLETED BY MONTH FOR THE YEAR 2016



2016 CASES SUBMITTED BY TYPE (BASED ON TESTING PERFORMED)

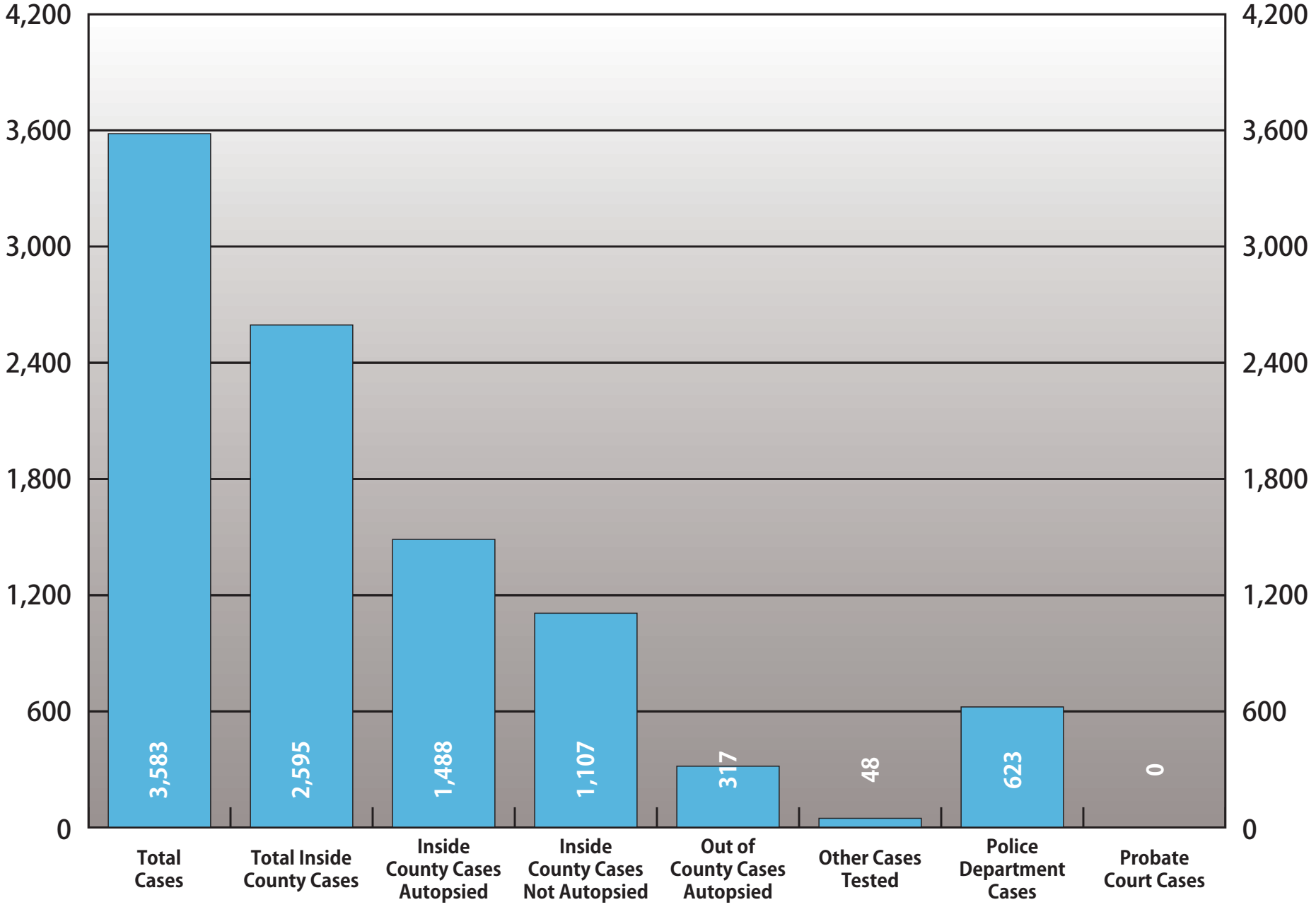


TABLE 82 INCIDENCE OF POISONING (%) IN TESTED INDIVIDUALS

	Cuyahoga County Medical Examiner's Office Cases			
	Number of Decedents		Number of Fatal Posionings	
Autopsied Cases	1,491*	(51.36%)	585	(84.05%)
Non-Autopsied Cases	1,412	(48.64%)	111	(15.95%)
Total	**2,903**	**(100.00%)**	**696**	**(100.00%)**

***Includes 5 hospital autopsies.**

2016 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	48	218	(4.82%)
Decedents Received from Other Coroner's Jurisdictions	317	3,357	(31.83%)
Proficiency Surveys	8	38	(0.80%)
Law Enforcement Agency Cases	623	2,184	(62.55%)
Total	**996**	**5,797**	**(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
10-Hydroxycarbazepine	3	355	0.85	0	193	0.00
11-OH-delta-9-THC	78	1716	4.55	10	658	1.52
1-Butanol	1	1716	0.06	0	647	0.00
3-Methylfentanyl	1	1333	0.08	1	619	0.16
4-ANPP	3	1716	0.17	3	658	0.46
5F-ADB (5F-MDMB-PINACA)	1	355	0.28	1	193	0.52
6-Acetylmorphine	329	1716	19.17	309	658	46.96
7-Aminoclonazepam	27	1716	1.57	16	658	2.43
9-Hydroxyrisperidone	1	355	0.28	0	193	0.00
Acetaminophen Screen	18	1248	1.44	8	596	1.34
Acetone	59	1716	3.44	5	647	0.77
Acetyl Fentanyl	70	1716	4.08	56	658	8.51
Acryl Fentanyl	2	1716	0.12	3	658	0.46
Alfentanil	1	1716	0.06	1	658	0.15
Alpha-Hydroxyalprazolam	15	1716	0.87	12	658	1.82
Alpha-Hydroxymidazolam	8	1716	0.47	0	658	0.00
Alpha-Pyrrolidinovalerophenone (Alpha-PVP)	1	1333	0.08	1	619	0.16
Alprazolam	96	1716	5.59	73	658	11.09
Amine Class EMIT Screen	5	1716	0.29	3	658	0.46
Amiodarone	1	355	0.28	0	193	0.00
Amitriptyline	27	1333	2.03	17	619	2.75
Amlodipine	2	355	0.56	1	193	0.52
Amphetamine	43	1716	2.51	15	658	2.28
Amphetamine ELISA Screen	105	1717	6.12	47	658	7.14
Anhydroecgonine Methyl Ester	121	1717	7.05	113	658	17.17
Antimony	1	355	0.28	0	193	0.00
Atenolol	1	355	0.28	0	193	0.00
Atropine	2	1333	0.15	1	619	0.16
Azithromyum	1	355	0.28	0	193	0.00
Baclofen	1	355	0.28	1	193	0.52
Barbiturates ELISA Screen	21	1717	1.22	9	658	1.37
Benzodiazepines ELISA Screen	217	1717	12.64	139	658	21.12
Benzodiazepines EMIT Screen	3	1716	0.17	2	658	0.30
Benzoylecgonine	335	1717	19.51	275	658	41.79
Benztropine	3	1333	0.23	1	619	0.16
Bupivacaine	1	1333	0.08	0	619	0.00
Buprenorphine	10	355	2.82	5	193	2.59
Buprenorphine ELISA Screen	11	590	1.86	9	236	3.81
Bupropion	16	1333	1.20	9	619	1.45
Bupropion Erythro Mtb.	3	1333	0.23	2	619	0.32

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
Bupropion Metabolite(s)	12	1333	0.90	3	619	0.48
Bupropion Morpho Mtb.	3	1333	0.23	2	619	0.32
Bupropion Threo Mtb.	4	1333	0.30	3	619	0.48
Buspirone	3	1333	0.23	2	619	0.32
Butalbital	5	1717	0.29	3	658	0.46
Caffeine	253	1333	18.98	119	619	19.22
Calcium	797	1328	60.02	268	531	50.47
Cannabinoids ELISA Screen	328	1717	19.10	134	658	20.36
Cannabinoids EMIT Screen	4	1716	0.23	2	658	0.30
Carbamazepine	2	138	1.45	1	36	2.78
Carbon Monoxide	31	129	24.03	22	34	64.71
Carfentanil	54	1716	3.15	53	658	8.05
Carisoprodol	5	1717	0.29	2	658	0.30
Carisoprodol ELISA Screen	15	1717	0.87	10	658	1.52
Cetirizine	1	355	0.28	0	193	0.00
Chlordiazepoxide	2	1716	0.12	1	658	0.15
Chloride	797	1328	60.02	268	531	50.47
Chlorophenylpiperazine	1	1333	0.08	0	619	0.00
Chlorpheniramine	12	1333	0.90	9	619	1.45
Chlorpromazine	2	1333	0.15	1	619	0.16
cis/trans 3-methylfentanyl	8	1716	0.47	7	658	1.06
Citalopram/Escitalopram	55	1333	4.13	28	619	4.52
Clomipramine	2	1333	0.15	2	619	0.32
Clonazepam	14	1716	0.82	8	658	1.22
Cocaethylene	100	1717	5.82	86	658	13.07
Cocaine	240	1717	13.98	208	658	31.61
Cocaine Mtb. EMIT Screen	3	1717	0.17	2	658	0.30
Cocaine Mtb. ELISA Screen	323	1717	18.81	271	658	41.19
Codeine	277	1717	16.13	255	658	38.75
Cotinine	673	1333	50.49	376	619	60.74
Creatinine	707	1328	53.24	242	531	45.57
Cyclizine	1	1333	0.08	0	619	0.00
Cyclobenzaprine	45	1333	3.38	26	619	4.20
Delta-9-THC	176	1716	10.26	33	658	5.02
Delta-9-THC-COOH	178	1716	10.37	38	658	5.78
Demoxepam	1	355	0.28	0	193	0.00
Desalkylflurazepam	1	1716	0.06	1	658	0.15
Desipramine	1	1333	0.08	1	619	0.16
Desmethyl Clomipramine	1	1333	0.08	1	619	0.16
Desmethyl Sertraline	11	1333	0.83	7	619	1.13
Desmethyldoxepin	3	355	0.85	0	193	0.00

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
Dextromethorphan	31	1333	2.33	17	619	2.75
Diazepam	66	1716	3.85	43	658	6.53
Dibutylone	1	355	0.28	1	193	0.52
Dicyclomine	4	1333	0.30	2	619	0.32
Dihydrocodeine	28	1716	1.63	20	658	3.04
Diltiazem	4	1333	0.30	2	619	0.32
Diphenhydramine	190	1333	14.25	143	619	23.10
Donepezil	2	1333	0.15	0	619	0.00
Doxepin	12	1333	0.90	7	619	1.13
Doxylamine	20	1333	1.50	10	619	1.62
Duloxetine	2	355	0.56	0	193	0.00
Ecgonine Methyl Ester	173	1717	10.08	157	658	23.86
Ephedrine/Pseudoephedrine	9	1716	0.52	1	658	0.15
Ethanol	491	1716	28.61	211	647	32.61
Ethyl Acetate	1	1716	0.06	0	647	0.00
Ethylone	1	1333	0.08	1	619	0.16
Etizolam	1	1716	0.06	1	658	0.15
Etomidate	1	355	0.28	0	193	0.00
Fentanyl	422	1716	24.59	384	658	58.36
Fentanyl ELISA Screen	406	1717	23.65	367	658	55.78
Fluconazole	10	1333	0.75	2	619	0.32
Fluoxetine	17	1333	1.28	11	619	1.78
Fluoxetine/Norfluoxetine	1	1333	0.08	1	619	0.16
Flurazepam	1	1716	0.06	1	658	0.15
Furanylfentanyl	9	1716	0.52	7	658	1.06
Gabapentin	19	1333	1.43	3	619	0.48
Gabapentin breakdown	56	1333	4.20	42	619	6.79
Glucose	797	1328	60.02	268	531	50.47
Glucose/Ketone bodies	96	1328	7.23	50	531	9.42
Haloperidol	4	1333	0.30	0	619	0.00
Hydrocodone	64	1716	3.73	38	658	5.78
Hydromorphone	34	1716	1.98	27	658	4.10
Hydroxybupropion	1	355	0.28	0	193	0.00
Hydroxyethylflurazepam	1	355	0.28	0	193	0.00
Hydroxyzine	7	1333	0.53	3	619	0.48
Ibuprofen	3	138	2.17	1	36	2.78
Imipramine	1	1333	0.08	1	619	0.16
Isopropanol	12	1716	0.70	2	647	0.31
Ketamine	8	1333	0.60	3	619	0.48
Lactate	503	1328	37.88	171	531	32.20
Lamotrigine	10	1333	0.75	5	619	0.81

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
Laudanosine	1	1333	0.08	1	619	0.16
Lead	1	355	0.28	0	193	0.00
Levamisole	191	1333	14.33	170	619	27.46
Levetiracetam	10	1333	0.75	3	619	0.48
Levorphanol/Dextrorphan	4	1333	0.30	1	619	0.16
Lidocaine	66	1333	4.95	28	619	4.52
Lidocaine Mtb. (MEGX)	8	1333	0.60	2	619	0.32
Lorazepam	18	1716	1.05	7	658	1.06
LSD	1	355	0.28	0	193	0.00
Magnesium	795	1328	59.86	266	531	50.09
m-Chlorophenylpiperazine	26	1333	1.95	18	619	2.91
MDA	1	355	0.28	0	193	0.00
Meclizine	2	1333	0.15	2	619	0.32
Memantine	2	1333	0.15	0	619	0.00
Meperidine	2	1333	0.15	2	619	0.32
Meprobamate	8	1717	0.47	5	658	0.76
Mercury	1	355	0.28	0	193	0.00
Methadone	29	1333	2.18	22	619	3.55
Methadone ELISA Screen	25	1717	1.46	19	639	2.97
Methadone Mtb. (EDDP)	21	1333	1.58	15	619	2.42
Methadone Mtb. (EMDP)	4	1333	0.30	3	619	0.48
Methamphetamine	22	1716	1.28	8	658	1.22
Methamphetamine ELISA Screen	33	1717	1.92	14	644	2.17
Methanol Confirm.	1	1716	0.06	1	647	0.15
Methylenedioxymethamphetamine	2	1716	0.12	0	658	0.00
Metoclopramide	1	1333	0.08	0	619	0.00
Metoprolol	12	1333	0.90	8	619	1.29
Metoprolol artifact	1	1333	0.08	1	619	0.16
Metronidazole	1	1333	0.08	1	619	0.16
Midazolam	22	1716	1.28	1	658	0.15
Mirtazapine	31	1333	2.33	20	619	3.23
Mitragynine	1	1333	0.08	1	619	0.16
Morphine	411	1716	23.95	351	658	53.34
Naloxone	17	1716	0.99	3	658	0.46
Naproxen	3	138	2.17	1	36	2.78
N-Desmethylsildenafil	1	355	0.28	0	193	0.00
Nicotine	628	1333	47.11	390	619	63.00
Norbuprenorphine	5	355	1.41	0	193	0.00
Norcitalopram	23	1333	1.73	17	619	2.75
Norcocaine	77	1333	5.78	74	619	11.95
Nordiazepam	89	1716	5.19	58	658	8.81

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
Nordoxepin	8	1333	0.60	5	619	0.81
Norfentanyl	17	1716	0.99	10	658	1.52
Norfluoxetine	5	1333	0.38	2	619	0.32
Norketamine	5	1333	0.38	1	619	0.16
Normeperidine	3	1333	0.23	3	619	0.48
Norpropoxyphene	1	1333	0.08	1	619	0.16
Norpseudoephedrine	3	1716	0.17	0	658	0.00
Norsertraline	27	1333	2.03	15	619	2.42
Nortramadol	28	1333	2.10	20	619	3.23
Nortriptyline	26	1333	1.95	16	619	2.58
Norvenlafaxine	8	1333	0.60	5	619	0.81
O-Desmethyltramadol	26	1333	1.95	16	619	2.58
O-Desmethylvenlafaxine	7	1333	0.53	5	619	0.81
Olanzapine	7	1333	0.53	3	619	0.48
Opiate ELISA Screen	348	1717	20.27	276	658	41.95
Opiates EMIT Screen	4	1716	0.23	3	658	0.46
Orphenadrine	1	1333	0.08	1	619	0.16
Oxazepam	25	1716	1.46	17	658	2.58
Oxcarbazepine	2	138	1.45	1	36	2.78
Oxcarbazepine-OH Mtb.	2	138	1.45	1	36	2.78
Oxycodone	119	1716	6.93	69	658	10.49
Oxycodone ELISA Screen	35	1717	2.04	22	636	3.46
Oxymorphone	11	1716	0.64	8	658	1.22
Paroxetine	11	1333	0.83	8	619	1.29
Phencyclidine	17	1333	1.28	8	619	1.29
Phencyclidine ELISA Screen	14	1717	0.82	8	650	1.23
Pheniramine	1	1333	0.08	1	619	0.16
Phenobarbital	13	1717	0.76	4	658	0.61
Phentermine	1	355	0.28	0	193	0.00
Phenylpropanolamine	5	355	1.41	0	193	0.00
Phenytoin	7	138	5.07	4	36	11.11
Potassium	790	1328	59.49	264	531	49.72
Pregabelin	2	355	0.56	1	193	0.52
Primidone	2	138	1.45	0	36	0.00
Promethazine	14	1333	1.05	9	619	1.45
Propofol	1	138	0.72	1	36	2.78
Propranolol	3	1333	0.23	1	619	0.16
Quetiapine	18	1333	1.35	11	619	1.78
Quetiapine Metabolite	46	1333	3.45	31	619	5.01
Quinine/Quinidine	44	1333	3.30	42	619	6.79
Ranitidine breakdown	5	1333	0.38	2	619	0.32

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
Risperidone	1	355	0.28	0	193	0.00
Salicylate Screen	1	1266	0.08	0	0	0.00
Selenium	1	355	0.28	0	193	0.00
Sertraline	38	1333	2.85	23	619	3.72
Sildenafil	1	355	0.28	0	193	0.00
Sodium	796	1328	59.94	267	531	50.28
ß-Phenylethylamine	51	1716	2.97	21	658	3.19
Temazepam	26	1716	1.52	18	658	2.74
Terbinafine	2	1333	0.15	2	619	0.32
Ticlopidine	4	1333	0.30	1	619	0.16
Topiramate	5	138	3.62	0	36	0.00
Topiramate Breakdown Product	2	138	1.45	1	36	2.78
TOTAL delta-9-THC-COOH urine	115	1716	6.70	47	658	7.14
Tramadol	59	1333	4.43	40	619	6.46
Trazodone	56	1333	4.20	30	619	4.85
Tricyclic Antidepressants ELISA Screen	51	1717	2.97	31	627	4.94
Trimethoprim	8	1333	0.60	5	619	0.81
Tryptamine	16	1333	1.20	6	619	0.97
Tyramine	33	1333	2.48	12	619	1.94
U-47700	3	1333	0.23	2	619	0.32
Urea Nitrogen	659	1328	49.62	221	531	41.62
Urine Glucose	73	1328	5.50	43	531	8.10
Urine Ketone Bodies	38	1328	2.86	10	531	1.88
Venlafaxine	14	1333	1.05	9	619	1.45
Verapamil	2	1333	0.15	0	619	0.00
Ziprasidone	1	355	0.28	0	193	0.00
Zolpidem	24	1333	1.80	11	619	1.78
Zolpidem ELISA Screen	19	1717	1.11	8	650	1.23

***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.**

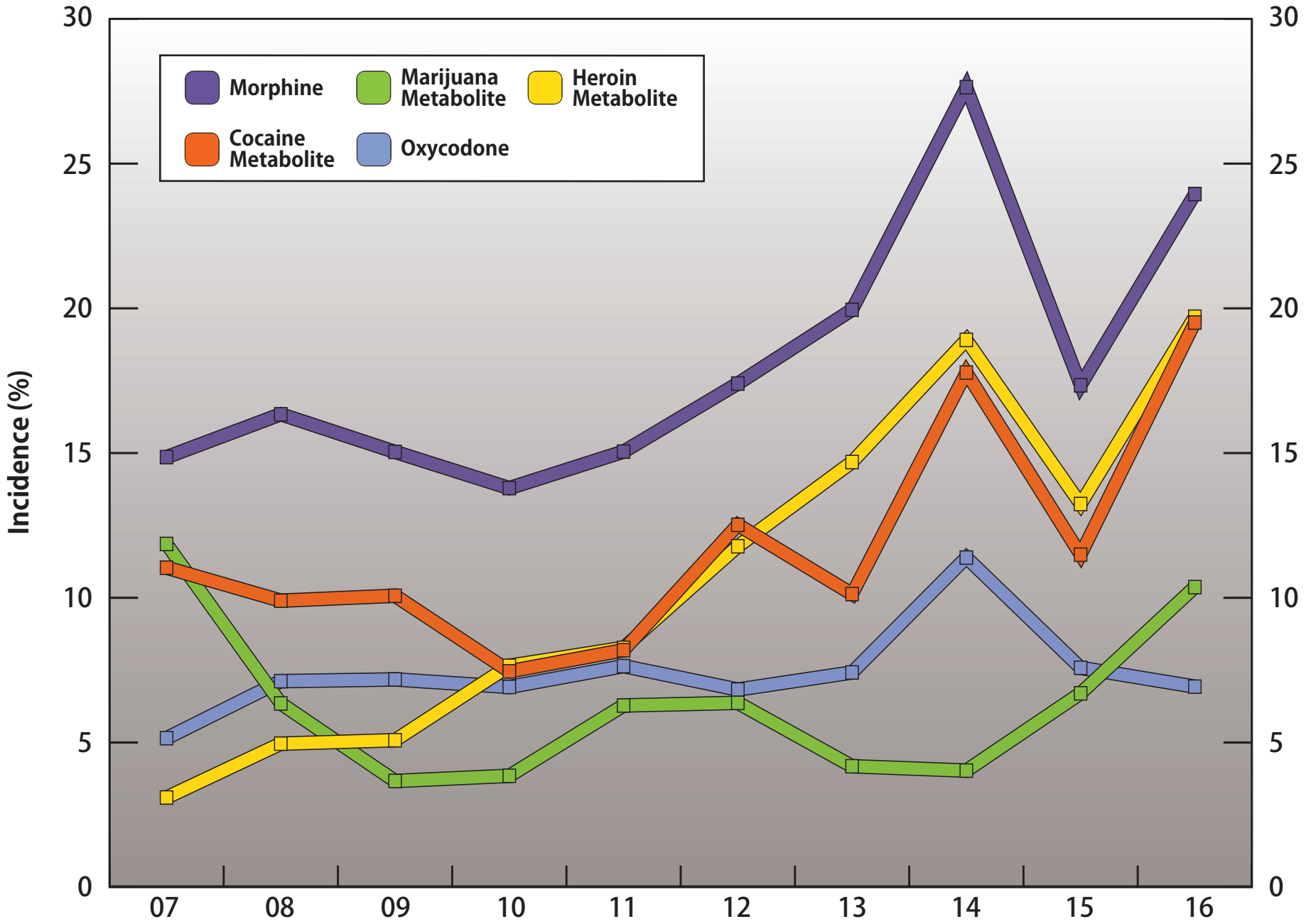
2014 - 2016 INCIDENCE OF ANALYTES IN POSITIVE CASES*

TABLE 85

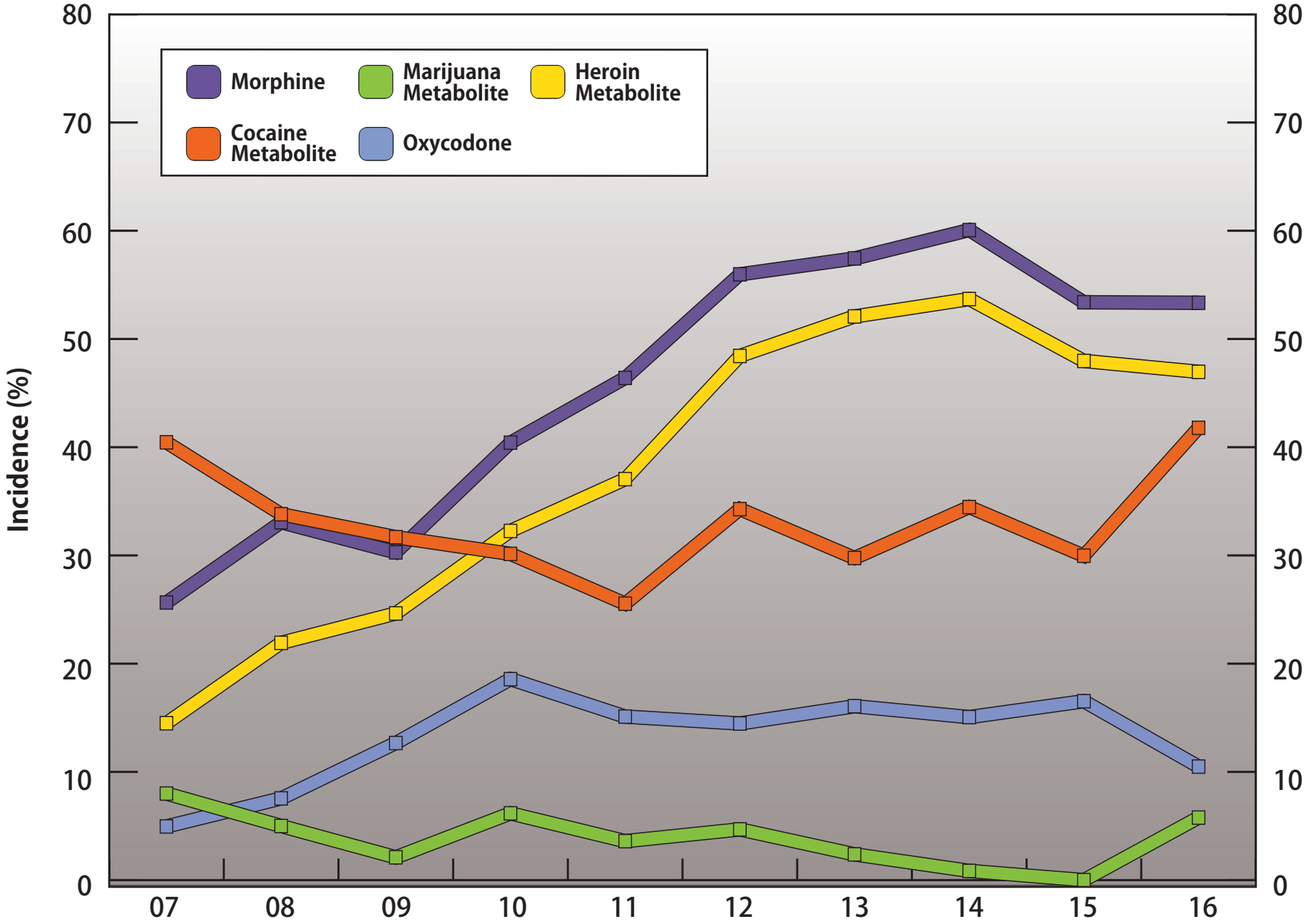
Medical Examiner's Laboratory Cases											
2014				2015				2016			
All Cases	(%)	Fatal Poisonings	(%)	All Cases	(%)	Fatal Poisonings	(%)	All Cases	(%)	Fatal Poisonings	(%)
Ethanol	58.51	Carbon Monoxide	77.22	Ethanol	29.41	Carbon Monoxide	58.33	Ethanol	28.61	Carbon Monoxide	64.71
Carbon Monoxide	43.14	Morphine	60.06	Morphine	17.34	Morphine	53.39	Fentanyl	24.59	Fentanyl	58.36
Morphine	27.64	6-Acetylmorphine	53.69	Codeine	13.72	6-Acetylmorphine	47.97	Carbon Monoxide	24.03	Morphine	53.34
Codeine	20.88	Codeine	52.27	6-Acetylmorphine	13.24	Codeine	47.70	Morphine	23.95	6-Acetylmorphine	46.96
6-Acetylmorphine	18.91	Benzoylecgonine	34.47	Benzoylecgonine	11.49	Benzoylecgonine	29.97	Benzoylecgonine	19.51	Benzoylecgonine	41.79
delta-9-THC-COOH	18.25	Ethanol	32.52	Carbon Monoxide	10.88	Ethanol	29.58	6-Acetylmorphine	19.17	Codeine	38.75
Benzoylecgonine	17.78	Cocaine	26.50	Diphenhydramine	10.81	Fentanyl	24.66	Codeine	16.13	Ethanol	32.61
Diphenhydramine	16.01	Ecgonine Methyl Ester	23.08	TOTAL delta-9-THC-COOH	10.60	Cocaine	22.62	Diphenhydramine	14.25	Cocaine	31.61
Cocaine	12.61	Levamisole	22.60	Fentanyl	7.89	Diphenhydramine	21.02	Cocaine	13.98	Diphenhydramine	23.1
Oxycodone	11.39	Diphenhydramine	18.27	Gabapentin	7.83	Levamisole	17.72	delta-9-THC-COOH	10.37	Anhydroecgonine Methyl Ester	17.17
Levamisole	11.35	Caffeine	16.34	Cocaine	7.59	Oxycodone	16.53	Delta-9-THC	10.26	Cocaethylene	13.07
Ecgonine Methyl Ester	9.35	Creatinine	15.59	Oxycodone	7.58	Ecgonine Methyl Ester	15.32	Anhydroecgonine Methyl Ester	7.05	Phenytoin	11.11
Lidocaine	9.12	Oxycodone	15.06	Delta-9-THC	7.25	TOTAL delta-9-THC-COOH	14.71	Oxycodone	6.93	Alprazolam	11.09
Tramadol	8.00	Nordiazepam	13.11	delta-9-THC-COOH	6.70	Cocaethylene	10.90	Cocaethylene	5.82	Oxycodone	10.49
Tyramine	7.80	Diazepam	12.82	Levamisole	6.67	Diazepam	10.05	Alprazolam	5.59	Nordiazepam	8.81
Citalopram/Escitalopram	7.50	Cocaethylene	11.40	Ecgonine Methyl Ester	5.86	Nordiazepam	10.05	Nordiazepam	5.19	Acetyl Fentanyl	8.51
Nordiazepam	7.29	Fentanyl	11.11	Levetiracetam	4.84	Anhydroecgonine Methyl Ester	9.91	Phenytoin	5.07	Carfentanil	8.05
Alprazolam	7.22	delta-9-THC-COOH	10.83	Lidocaine	4.68	Ibuprofen	8.77	Lidocaine	4.95	Diazepam	6.53
Diazepam	6.76	Tramadol	10.22	Ibuprofen	4.57	Alprazolam	8.70	11-OH-delta-9-THC	4.55	Tramadol	6.46
Hydrocodone	5.92	Anhydroecgonine Methyl Ester	8.26	Nordiazepam	4.37	Hydrocodone	6.78	Tramadol	4.43	delta-9-THC-COOH	5.78
Fentanyl	5.78	Alprazolam	7.98	Tramadol	4.23	Trazodone	6.61	Trazodone	4.20	Hydrocodone	5.78
-	-	-	-	Citalopram/Escitalopram	4.14	Tramadol	6.31	Citalopram/Escitalopram	4.13	Delta-9-THC	5.02
-	-	-	-	Diazepam	4.10	Citalopram/Escitalopram	6.01	Acetyl Fentanyl	4.08	Trazodone	4.85

*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.

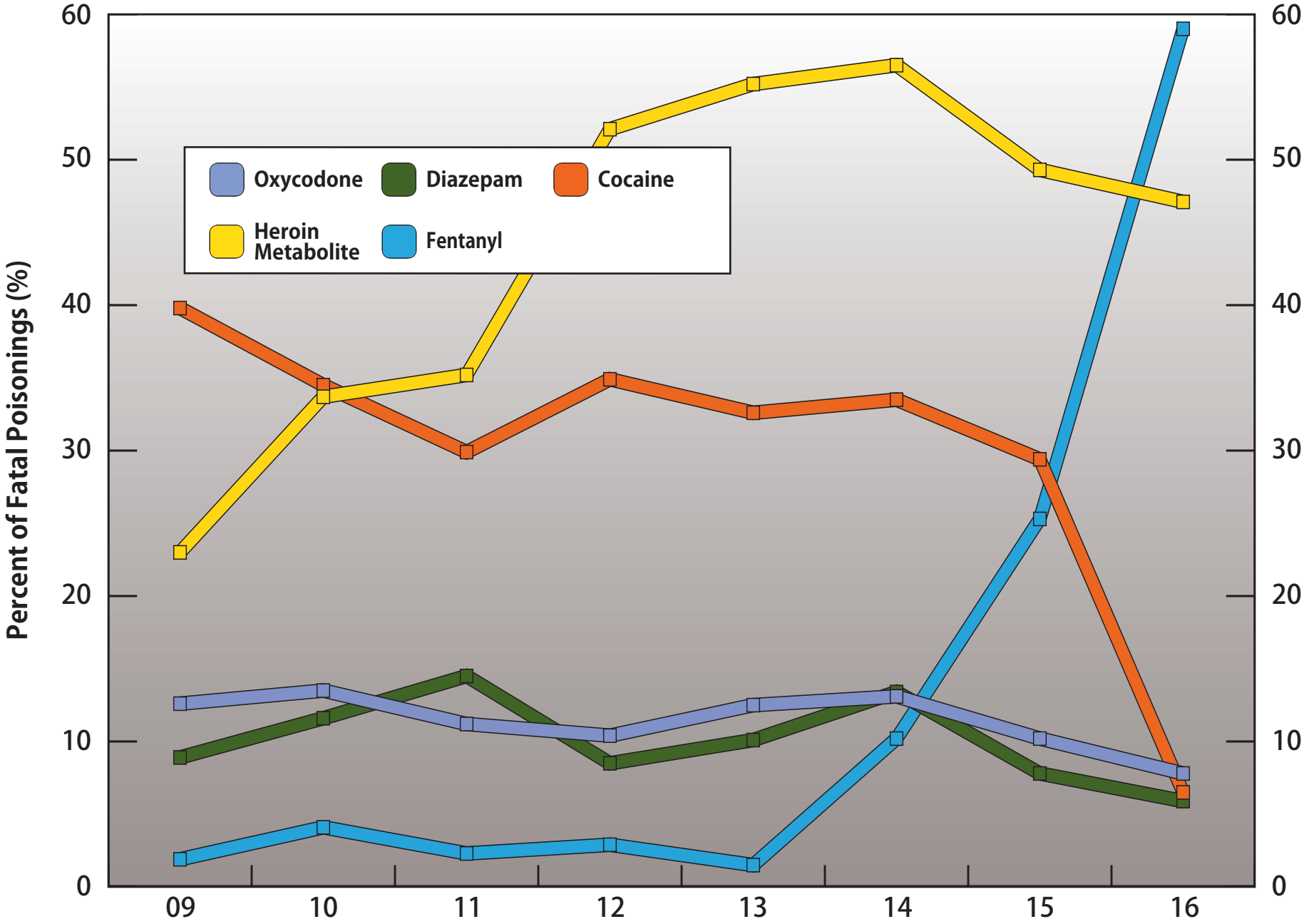
INCIDENCE OF POSITIVE FINDINGS FROM ALL CUYAHOGA COUNTY MEDICAL EXAMINER'S CASES



INCIDENCE OF POSITIVE FINDINGS FROM POISONING FATALITIES



MOST COMMON SUBSTANCES INVOLVED IN FATAL POISONINGS



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	3155	539	635	49	0	4378
Methanol Confirm.	3	0	2	0	0	5
Formaldehyde Confirm.	3	0	2	0	0	5
Acidic Neutral Drugs	91	38	296	25	0	450
Carbon Monoxide	94	41	0	0	0	135
CO Confirmation	34	13	0	0	0	47
Glycols Screen & Confirm	17	0	0	0	0	17
Cyanide Screen	0	3	4	0	0	7
EMIT: Amine Class	20	1	209	2	0	232
EMIT: Benzodiazepines	12	1	209	2	0	224
EMIT: Cannabinoids	13	1	209	2	0	225
EMIT: Cocaine Metb.	14	3	209	2	0	228
EMIT: Opiates	13	1	209	2	0	225
EMIT: Phencyclidine	13	1	209	2	0	225
Opiate ELISA Screen	1836	321	410	42	0	2609
Basic Drugs by GC/MS	1305	259	309	42	0	1915
Acetaminophen Screen	1240	249	1	33	0	1523
Acetaminophen Confirm	1	0	0	0	0	1
Salicylate Screen	1241	249	0	33	0	1523
Xanthines	17	6	1	0	0	24
Clinical Chemistry	823	138	0	1	0	962
Glucose/Ketone bodies	863	180	0	1	0	1044
Opiate Hydrolysis GC/MS	1	0	0	0	0	1
Cocaine/Mtb GC/MS	424	57	90	20	0	591
Cannabinoids GC/MS	215	25	154	1	0	395
Opiates by GC/MS	1049	155	120	28	0	1352
Acidic Neutral Drugs by GC/MS	16	5	59	13	0	93
Basic Drugs by GC/MS	899	184	211	2	0	1296
Benzo. Confirmation GC/MS	443	85	225	13	0	766
Amines Confirmation by LC/MS/MS	23	6	11	1	0	41
Volatiles by GC/MS	2	0	0	0	0	2
Gamma-Hydroxybutyrate GHB GC/MS	0	0	93	0	0	93
Fentanyl by GC/MS	787	100	93	24	0	1004
Cannabinoids by LC/MS/MS	328	36	154	11	0	529
Fentanyl and Analogs by LC/MS/MS	56	3	3	6	0	68
Amphetamine ELISA	1836	321	410	42	0	2609
Barbiturates ELISA Screen	1836	321	410	42	0	2609
Benzodiazepines ELISA Screen	1836	321	410	42	0	2609
Cannabinoids ELISA Screen	1836	321	410	42	0	2609
Carisoprodol ELISA Screen	1836	321	410	42	0	2609
Cocaine Mtb. ELISA Screen	1836	321	410	42	0	2609
Fentanyl ELISA Screen	1836	321	410	42	0	2609
Methamphetamine ELISA Screen	1836	321	410	42	0	2609
Oxycodone ELISA Screen	1836	321	410	42	0	2609
Phencyclidine ELISA Screen	1836	321	410	42	0	2609
Tricyclic Antidepressants ELISA Screen	1836	321	410	42	0	2609
Methadone ELISA Screen	1836	321	410	42	0	2609
Zolpidem ELISA Screen	1836	321	410	42	0	2609
Buprenorphine ELISA Screen	646	93	144	18	0	901
Sent to Reference Lab	433	107	144	7	0	691
Total Tests Performed	**39998**	**7073**	**9745**	**928**	**0**	**57744**

AGENTS INCLUDED IN DRUG GROUPS

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

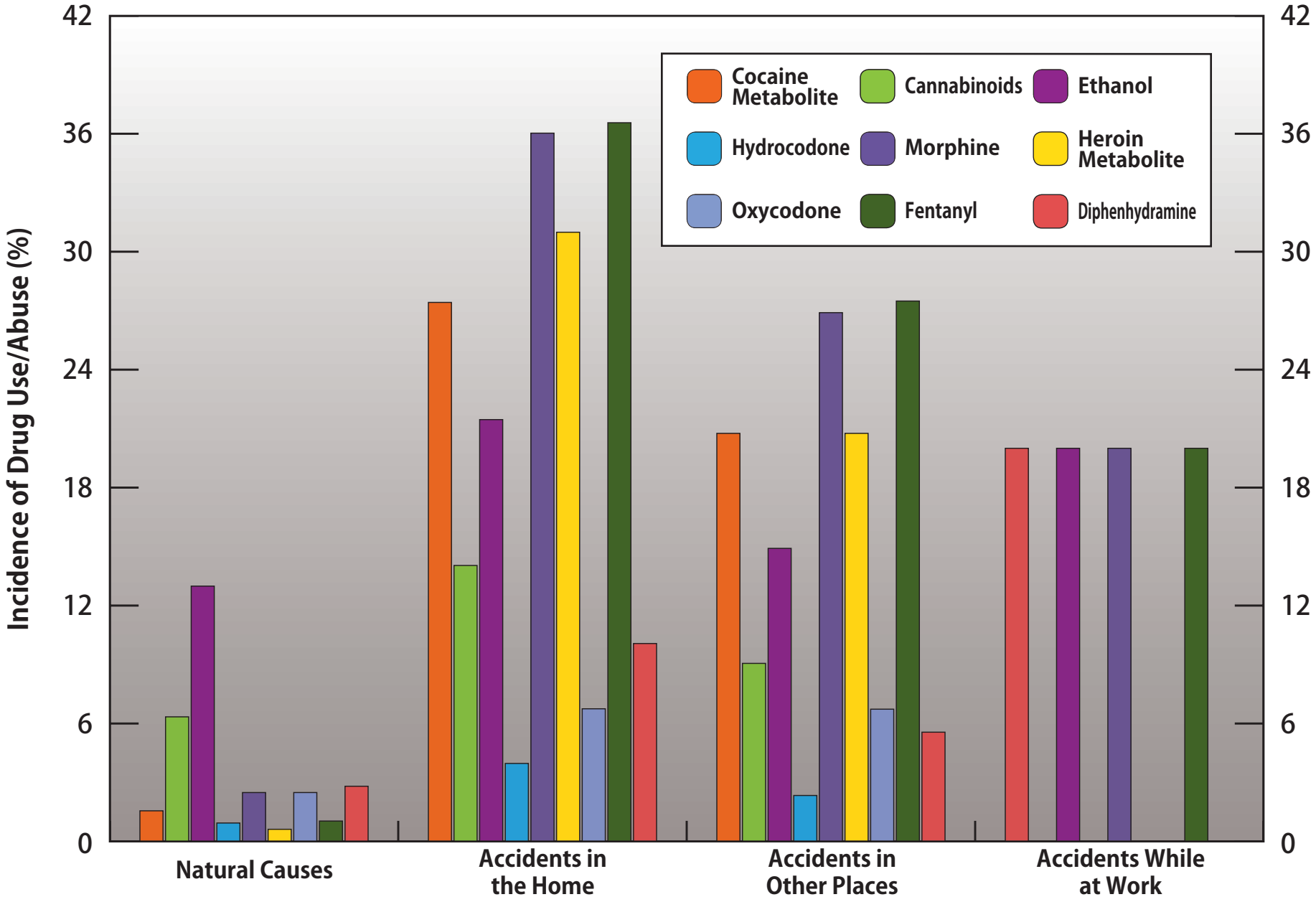
18) **GHB by GC/MS** (mg/L): Gamma-hydroxybutyric acid (gamma hydroxybutyrate)

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

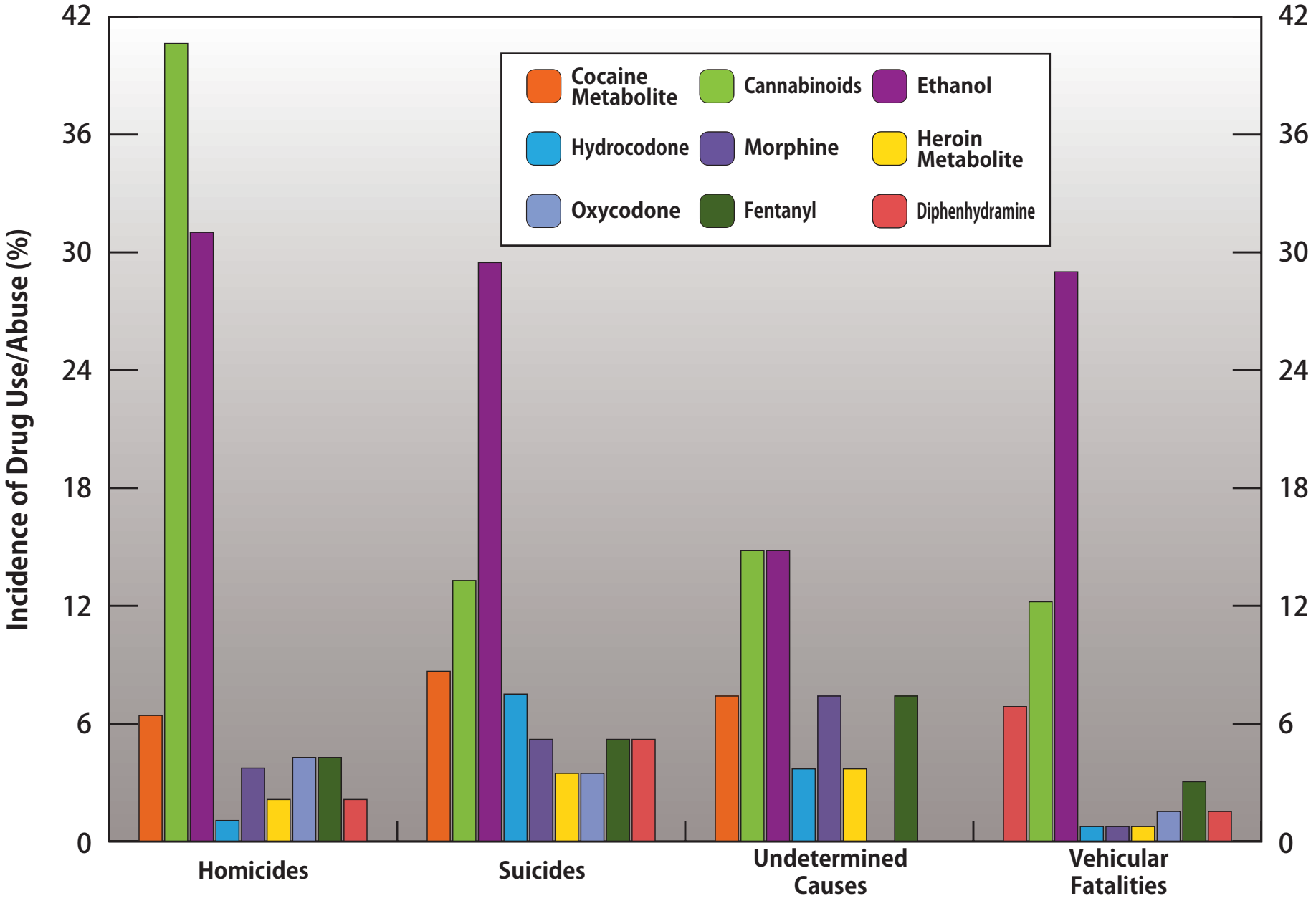
20) **SENT OUT TO REFERENCE LABS:** Synthetic Cannabinoids and Synthetic Cathinones, Epinephrine, 7-amino Flunitrazepam, Flunitrazepam, IgE, Insulin, LSD, Nefedipine, C-Peptide, Psilocin, Risperidone, Tryptase, Warfarin, Valproic Acid, **HEAVY METAL SCREEN:** (Antimony, Arsenic, Lead, Barium, Cadmium, 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

2016 DRUG USE/ABUSE BY MANNER OF DEATH



2016 DRUG USE/ABUSE BY MANNER OF DEATH



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

PROFICIENCY STUDIES

TABLE 87

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

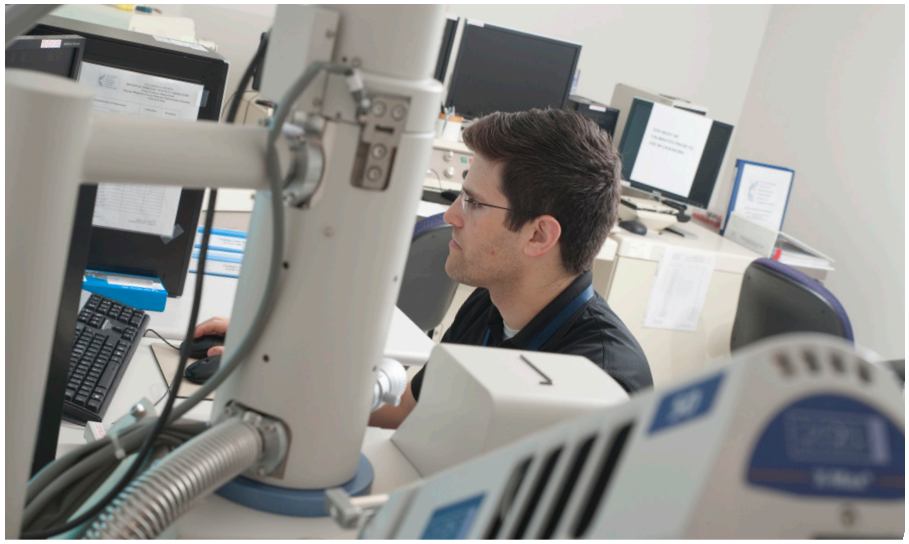
In 2016 the Cuyahoga County Medical Examiner's Office Toxicology Laboratory participated in 8 proficiency surveys.

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.



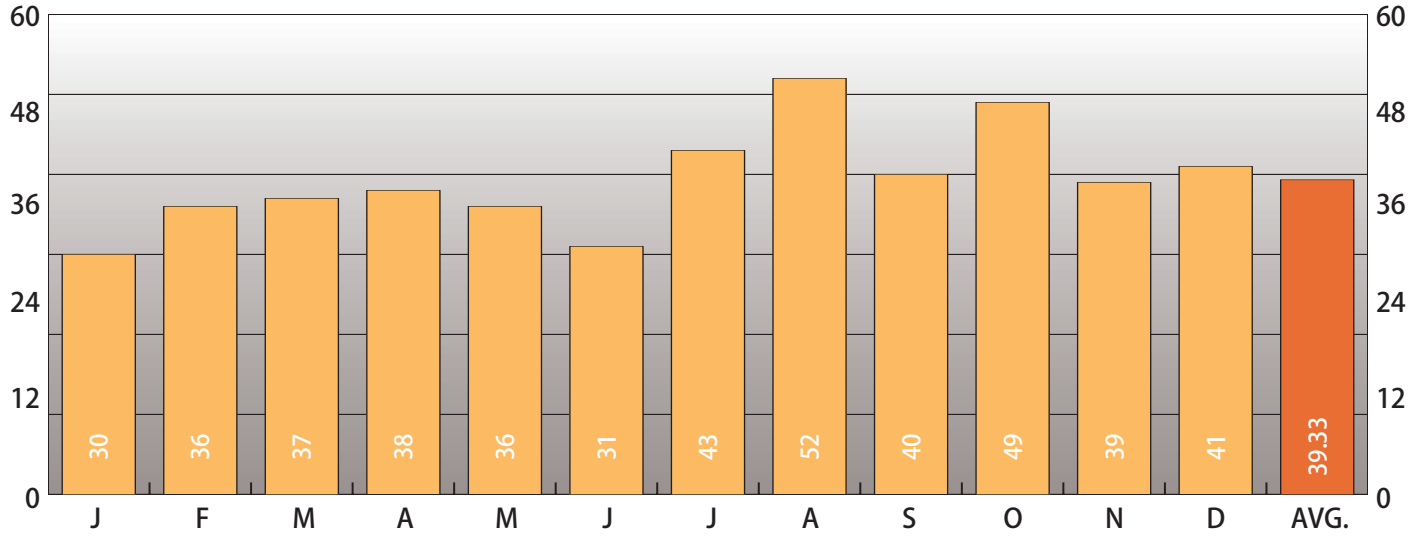
The Trace Evidence Unit is equipped with research grade stereo, compound, comparison, and polarized light microscopic equipment as well as cutting edge scientific instrumentation such as a Fourier Transform Infrared Spectrometer, a Raman Spectrometer, a UV/VIS/NIR Microspectrophotometer, a Scanning Electron 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, was accredited by the American Society of Crime Lab Directors, Laboratory Accreditation Board in 2006. A Second accreditation was granted according to ASCLD/LAB ISO guidelines in 2011.

2016 TRACE EVIDENCE UNIT REPORT

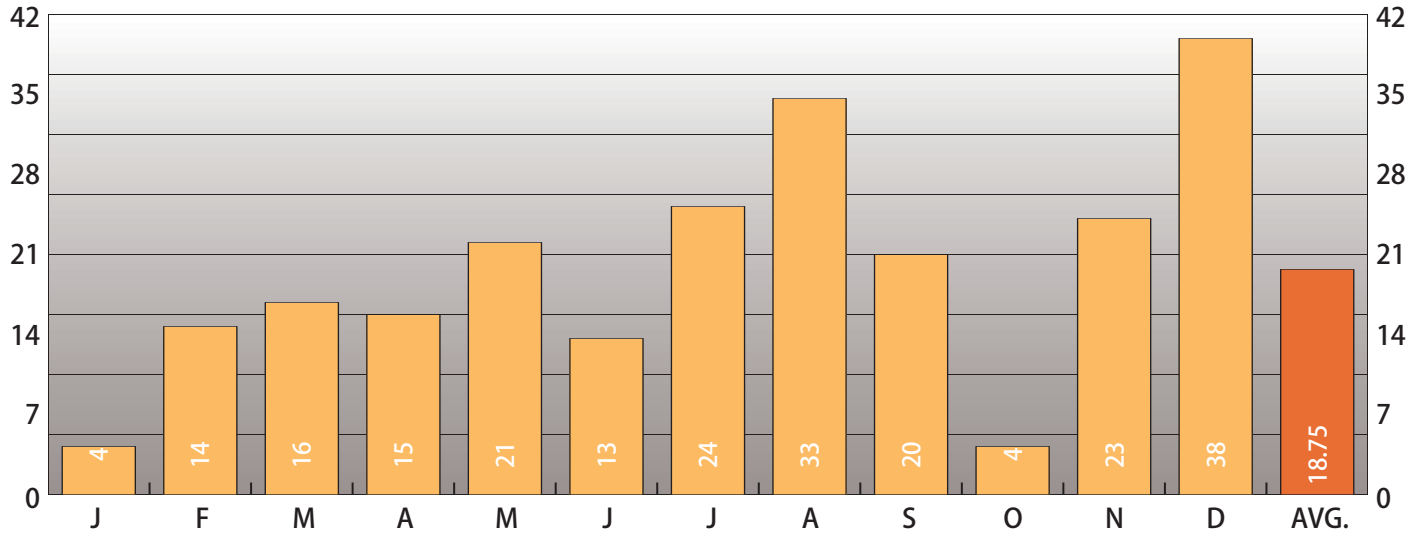
CASES SUBMITTED BY MONTH FOR THE YEAR 2016



2016
TOTAL CASES
472

2016 TRACE EVIDENCE UNIT REPORT

CASES COMPLETED BY MONTH FOR THE YEAR 2016



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.

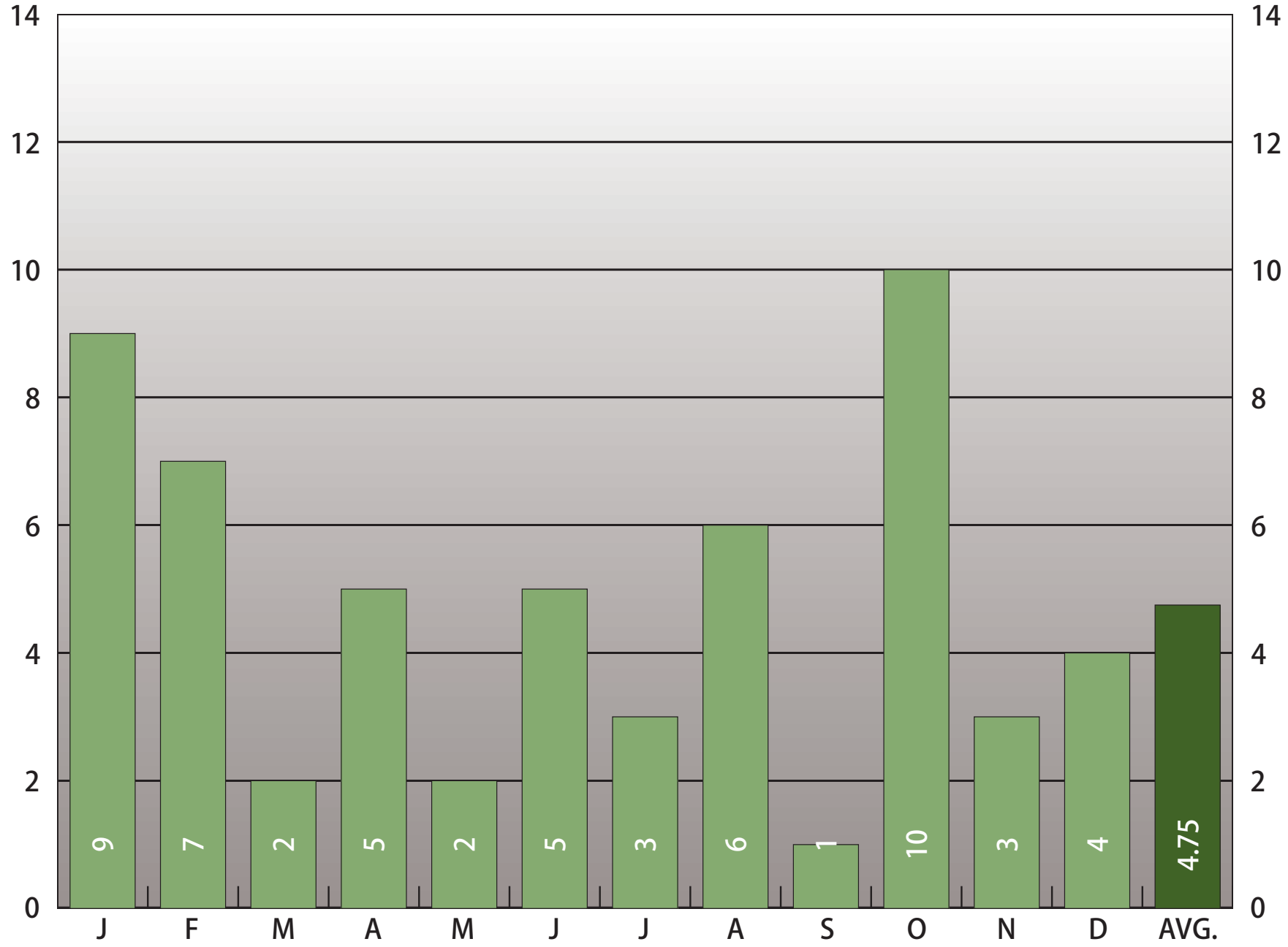
Lifebanc and the Cuyahoga County Medical Examiner's Office (CCMEO) have worked collaboratively for many years to create a "one of a kind" program not seen anywhere in the entire United States. Lifebanc has a full-time staff member housed at CCMEO to serve as a conduit of communication and information 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 2016




Photograph by C. Wilson

CCMEO STUDENT LEADERSHIP SUMMIT: HEROIN CRISIS AND OUR FUTURE



Photograph by G. Wilson

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

January: "Heroin Crisis and Our Future". Student Leadership Summit, Cleveland, Ohio.

"Heroin Epidemic Update". Council District 1 Town Hall (with Councilman Greenspan), Bay Village, Ohio.

March: Medicolegal Death Investigation Course (Postmortem Interval, Identification, Death Certification, Natural Death, Firearms Injuries), Cleveland, Ohio.

April: "The Medical Examiner's Office, Medical Academy Lecture". Ahuja Medical Center, Beachwood, Ohio.

"Welcome to the Medical Examiner's Office". CCMEO High School Shadow Program, Cleveland, Ohio.

"Welcome to the Medical Examiner's Office". CCMEO College Shadow Program, Cleveland, Ohio.

"Fatality Planning". Cuyahoga County Funeral Directors' Association, Cleveland, Ohio.

May: "Domestic Violence Recognition Training for Law Enforcement". Domestic Violence Fatality Review Team, Cleveland, Ohio.

June: "Opiate Death Investigations". Bureau of Criminal Investigations, Richfield, Ohio.

"Medical Examiner System, Heroin Response Strategy Symposium". High Intensity Drug Trafficking Areas (HIDTA) Seminar, Towson, Maryland.

September: "Opioid Epidemic and Medical Examiners". National Association of Medical Examiners (NAME) Annual Meeting, Minneapolis, Minnesota.

"Interpersonal Violence". Cleveland State University, Cleveland, Ohio.

"The Opioid Epidemic". St. Vincent's Charity Hospital, Cleveland, Ohio.

October: "Deaths by Overdose". St. John's Medical Center, Westlake, Ohio.

"The Opioid Crisis". Bellefaire JCB SAY Parent Roundtable Meeting, Shaker Heights, Ohio.

"An Interesting Exhumation Case". Ohio State Coroners' Association Northeast Regional Meeting, Cleveland, Ohio.

November: Medicolegal Death Investigation Course (Postmortem Interval, Identification, Death Certification, Natural Death, Firearms Injuries), Cleveland, Ohio.

"Welcome to the Medical Examiner's Office". CCMEO High School Shadow Program, Cleveland, Ohio.

December: "Welcome to the Medical Examiner's Office". CCMEO College Shadow Program, Cleveland, Ohio.

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

March: "Postmortem Forensic Toxicology". University Hospitals Case Medical Center, Cleveland, Ohio.

Medicolegal Death Investigation Course, Cleveland, Ohio.

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

June: Medicolegal Death Investigation Course, Cleveland, Ohio.

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

September: Medicolegal Death Investigation Course, Cleveland, Ohio.

November: Medicolegal Death Investigation Course, Cleveland, Ohio.

December: "CDC National Violent Death Reporting System-Background and Methodology", Cuyahoga County Medical Examiner's Office.

"Unspeficied Injuries on Death Certificates: A Source of Bias in Injury Research", Cuyahoga County Medical Examiner's Office.

"Mind Your Manners: 20 Years Later", 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.

Demonstration Autopsy, Cuyahoga County Medical Examiner's Office.

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

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

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

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

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

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

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

Joseph Stopak, Manager of Investigation and Morgue Operations

March: Medicolegal Death Investigation Course (Report Writing and Instruction), Cleveland, Ohio.

Joseph Stopak, Manager of Investigation and Morgue Operations (continued)

June: Medicolegal Death Investigation Course (Report Writing and Instruction), Cleveland, Ohio.

September: Medicolegal Death Investigation Course (Report Writing and Instruction), Cleveland, Ohio.

November: Medicolegal Death Investigation Course (Report Writing and Instruction), Cleveland, Ohio.

Shaena Taylor, Forensic Scientist 3, Quality Assurance Officer

September: "Drug Chemistry and Law". US Pretrial Services and Probation Office Annual Meeting, Aurora, Ohio.

Jeffrey Oblock, DNA Analyst, Trace Evidence & DNA

February: "Early Morning Rapist - A Case Study". American Academy of Forensic Sciences 68th Annual Meeting, Las Vegas, Nevada.

November: "DNA Testing Methods at Cuyahoga County Regional Forensic Science Laboratory". Cleveland, Ohio.

Brittney Dienes, M.S., DNA Technician

September: "Comparison of Radial Diffusion and Seratec ® Amylase Tests for Detection of Saliva" Poster. Midwestern Association of Forensic Sciences 45th Annual Meeting, Branson, Missouri.

Marissa Esterline, DNA Analyst, Trace Evidence & DNA

October: "Obtaining a DNA Profile from Rocks and Bricks: A Review of B&E Cases" Poster. 27th International Symposium on Human Identification by Promega, Minneapolis, Minnesota.

Lisa Moore, DNA Analyst, Trace Evidence & DNA

October: "Internal Validation of the PowerPlex ® Y23 System on the Applied Biosystems 3500 Genetic Analyzer" Poster. 27th International Symposium on Human Identification by Promega, Minneapolis, Minnesota.

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

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

Eric S. Lavins, Toxicology Supervisor

February: "Retrospective Study of Phencyclidine (PCP) Incidence in Cleveland, Ohio in Driving Under the Influence of Drugs (DUID) and Homicide Cases". 2016 Annual Scientific Meeting, Las Vegas, Nevada.

Eric S. Lavins, Toxicology Supervisor (continued)

April: "Analysis of Amphetamines from Whole Blood using Isolute HM-N Supported Liquid Extraction (SLE) Columns and LC/MS/MS". Midwest Association for Toxicology and Therapeutic Drug Monitoring Annual Meeting Annual Meeting, St. Louis, Missouri.

"Analysis of AB-CHMINACA in Hair by Solid Phase Extraction and Liquid Chromatography-Tandem Mass Spectrometry". Midwest Association for Toxicology and Therapeutic Drug Monitoring Annual Meeting Annual Meeting, St. Louis, Missouri.

October: "Novel High-Sensitivity Analysis of Cannabinoids from Whole Blood by Combining a Hybrid SPE Method and LC/MS/MS". Society of Forensic Toxicologists Annual Meeting, Atlanta, Georgia.

"Fentanyl Data in Fatalities and Impairment (DUID) Cases: a 5-year (2010-2016) Retrospective Study". Society of Forensic Toxicologists Annual Meeting, Atlanta, Georgia.

"Postmortem Tissue Distribution of AB-CHMINACA Following Lethal Intoxication, compared with AB-Chminaca Concentrations in Impaired Drivers". Society of Forensic Toxicologists Annual Meeting, Atlanta, Georgia.

Hristina Lekova, Parentage and ID Supervisor

March: Medicolegal Death Investigation Course (Identification through DNA Relationship Testing), Cleveland, Ohio.

June: Medicolegal Death Investigation Course (Identification through DNA Relationship Testing), Cleveland, Ohio.

September: Medicolegal Death Investigation Course (Identification through DNA Relationship Testing), Cleveland, Ohio.

November: Medicolegal Death Investigation Course (Identification through DNA Relationship Testing), Cleveland, Ohio.

Erin Worrell, Medicolegal Investigator III

March: Medicolegal Death Investigation Course (Fatal Falls and Overdoses), Cleveland, Ohio.

June: Medicolegal Death Investigation Course (Fatal Falls and Overdoses), Cleveland, Ohio.

September: Medicolegal Death Investigation Course (Fatal Falls and Overdoses), Cleveland, Ohio.

November: Medicolegal Death Investigation Course (Fatal Falls and Overdoses), Cleveland, Ohio.

Jason Bielinski, Forensic Photographerr

March: Medicolegal Death Investigation Course (Forensic Photography at the Death Scene), Cleveland, Ohio.

June: Medicolegal Death Investigation Course (Forensic Photography at the Death Scene), Cleveland, Ohio.

September: Medicolegal Death Investigation Course (Forensic Photography at the Death Scene), Cleveland, Ohio.

November: Medicolegal Death Investigation Course (Forensic Photography at the Death Scene), 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.

Labay L., Caruso J., **Gilson T.,** et al (2016): "Synthetic cannabinoid drug use as a cause or contributory cause of death." Forensic Science International. 260; 31-39.

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

*Chetan Soni1, David Engelhart1, Eric S. Lavins2, Kevin G. Shanks3, Claire Naso-Kaspar2, and Thomas P. Gilson2. 1Omega Laboratories, Mogadore, OH, 44260. 2Cuyahoga County Medical Examiner's Office, Cleveland, OH, 3AIT Laboratories, Indianapolis, IN. Presented at the Annual Meeting of the Midwest Association for Toxicology and Therapeutic Drug Monitoring April 14-15, 2016, St. Louis, MO.

Retrospective Study of Phencyclidine (PCP) Incidence in Cleveland, Ohio in Driving Under the Influence of Drugs (DUID) and Homicide Cases, Katherine A. Turner, BS2*, Eric S. Lavins, BS1, Rindi N. Rico, BS1, Claire K. Naso-Kaspar, BS1, Harold E. Schueler, PhD1, Paula D. Wallace1, Thomas P. Gilson, MD1. Cuyahoga County Regional Forensic Science Laboratory1, Toxicology Department, Cuyahoga County Medical Examiner's Office, Cleveland, OH., Department of Chemistry2, Cleveland State University, Cleveland, OH.2016 Annual Scientific Meeting.Las Vegas, NV., February 22-26 2016.

Postmortem Tissue Distribution of AB-CHMINACA Following Lethal Intoxication, compared with AB-CHMINACA Concentrations in Impaired Drivers.

Eric S. Lavins1 † , Kevin G. Shanks2, David E. Engelhart3, Harold E. Schueler1, Dan Galita1, Andrea McCollom1, Chetan Soni3, Paul D. Boggs1, Douglas E. Rohde4, Claire Naso-Kaspar1, Szabolcs Sofalvi1, Mark Hansbrough1, Cindy Carroll-Pankhurst1, and Thomas P. Gilson.1 Presented at the SOFT Meeting, Atlanta Georgia, October

- All coding is based upon the standardized classifications contained in ICD-9-CM (International Classification of Diseases, Ninth Revision, Clinical Modification) for Physicians. The United States Department of Health & Human Services and the Centers for Medicare and Medicaid Services created ICD-9-CM as an extension of the Ninth Revision, International Classification of Diseases (ICD-9), which the World Health Organization originally established to track mortality statistics across the world.

- 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 2016 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



2016 August Vollmer Excellence in Forensic Science Award

The cover image is a picture of the 2016 August Vollmer Excellence in Forensic Science Award, presented to the Cuyahoga County Medical Examiner's Office for the category of Current or Past Forensic Science Collaboration, in recognition of their Medicolegal Death Investigation Training Course. The Medicolegal Death Investigation Course, established in 2014, provides basic and recurrent death investigation training to medical and law enforcement personnel. The 3-day course is held 4 times a year, and has attracted applicants from all over the world.