MEDICAL EXAMINER'S STATISTICAL REPORT 19

CUYAHOGA COUNTY, OHIO

2019

Cuyahoga County Medical Examiner's Statistical Report

Armond Budish, Cuyahoga County Executive

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

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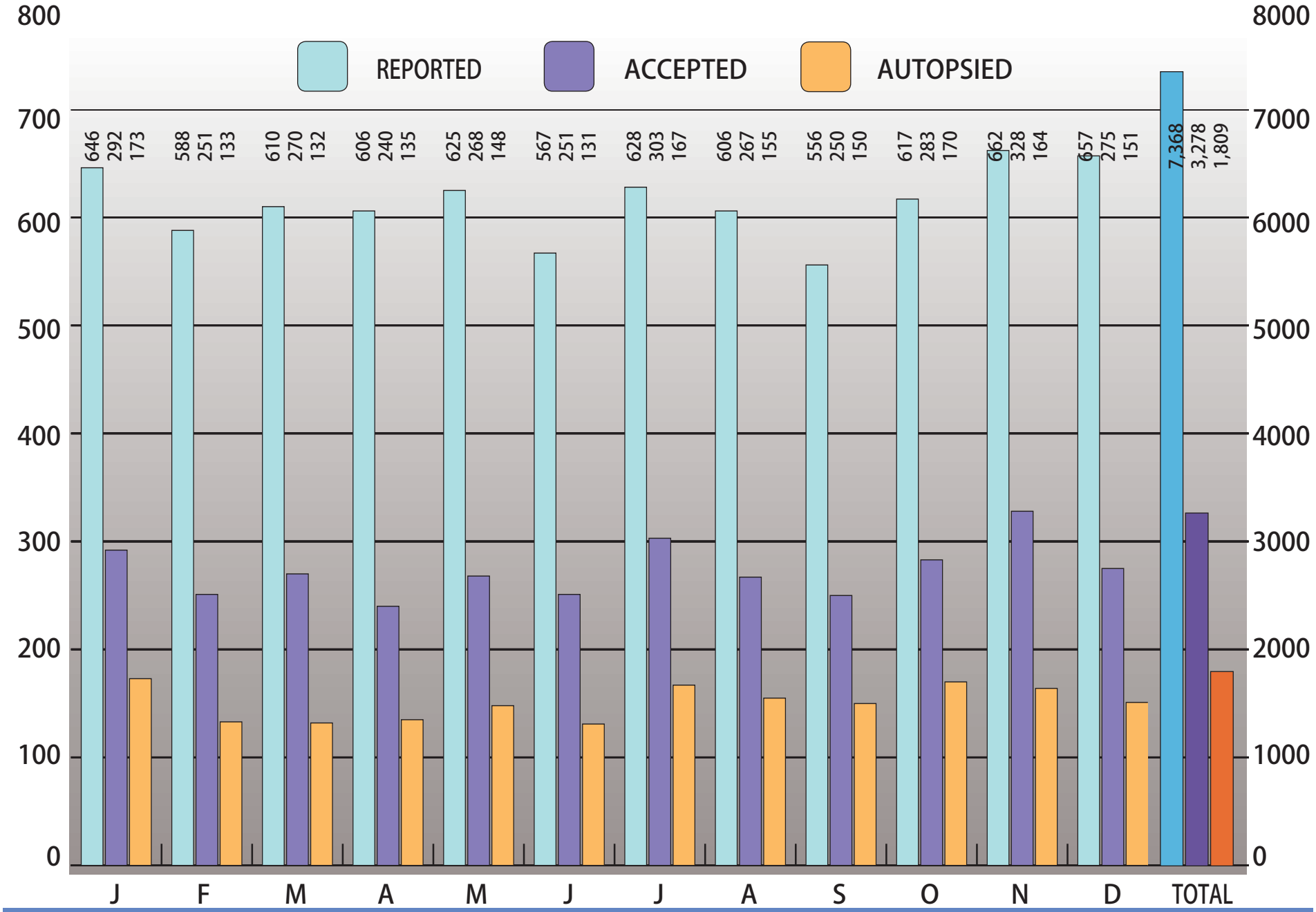
2019 NUMBER OF MEDICAL EXAMINER'S CASES



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Thomas P. Gilson, M.D.
Medical Examiner

This eighty-first annual report of the Cuyahoga County Medical Examiner's Office and Regional Forensic Sciences Laboratory has been prepared in accordance with our tradition of commitment and accountability to our community. It is our mission to provide the highest level of professional service to the residents of Cuyahoga County and the report that follows documents the scope of our activity to achieving this goal. We strive to balance continuity in these reports with meaningful presentation of the data to reflect current trends and developments. To this end we have modified our alcohol reporting and simplified our toxicology statistics for this edition.

Over the course of the year, the office continued to deal with the impact of the opioid crisis. Carfentanil made a deadly resurgence and the encouraging downward trend of drug overdose fatalities seen in 2018 was unfortunately reversed and short-lived. On a brighter note, the county lawsuit in conjunction with Summit County against the major opioid pharmaceutical manufacturers and distributors was settled favorably to the county. The settlement funds will hopefully offset some of the devastating effects of the crisis.

The need for high quality forensic work was front and center again in 2019. The county saw several deaths in the jail locally and on a national level the death of disgraced financier and sex offender, Jeffrey Epstein, in jail in New York raised concerns of foul play and adequate investigation of his death which was certified as a suicidal hanging. Prisoners represent a vulnerable population whose deaths require detailed investigation by competent personnel to identify abuses of power and address mistaken allegations of brutality.

Sadly, over the year the country continued to see rises in gun violence, both suicidal and homicidal. While mass shootings in various cities, including close to home in Dayton, Ohio, garnered the most attention, it was regrettably true that most of the victims of gun violence passed away in relative obscurity. Beyond the obvious need for forensic excellence in these deaths as a pillar for the fair administration of justice, it is hoped that data like that presented here will ultimately inform public policies to reduce gun violence. It is our hope that the longevity of these annual reports and their broad scope may be helpful to those engaged in this and similar activities (specialized inquiries are always welcome). It is to these dedicated public health professionals that we dedicate this 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.

ANSI National Accreditation Board (ANAB)- ANAB has provided accreditation of forensic service providers since 1982, making us the longest established provider of accreditation based on ISO standards for forensic agencies in the United States.

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

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

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

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

WHAT IS A MEDICAL EXAMINER'S CASE?

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

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

CRIMINAL or other

VIOLENT means, by

CASUALTY, by

SUICIDE, or in any

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

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

SUDDENLY when in apparent health..."

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

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

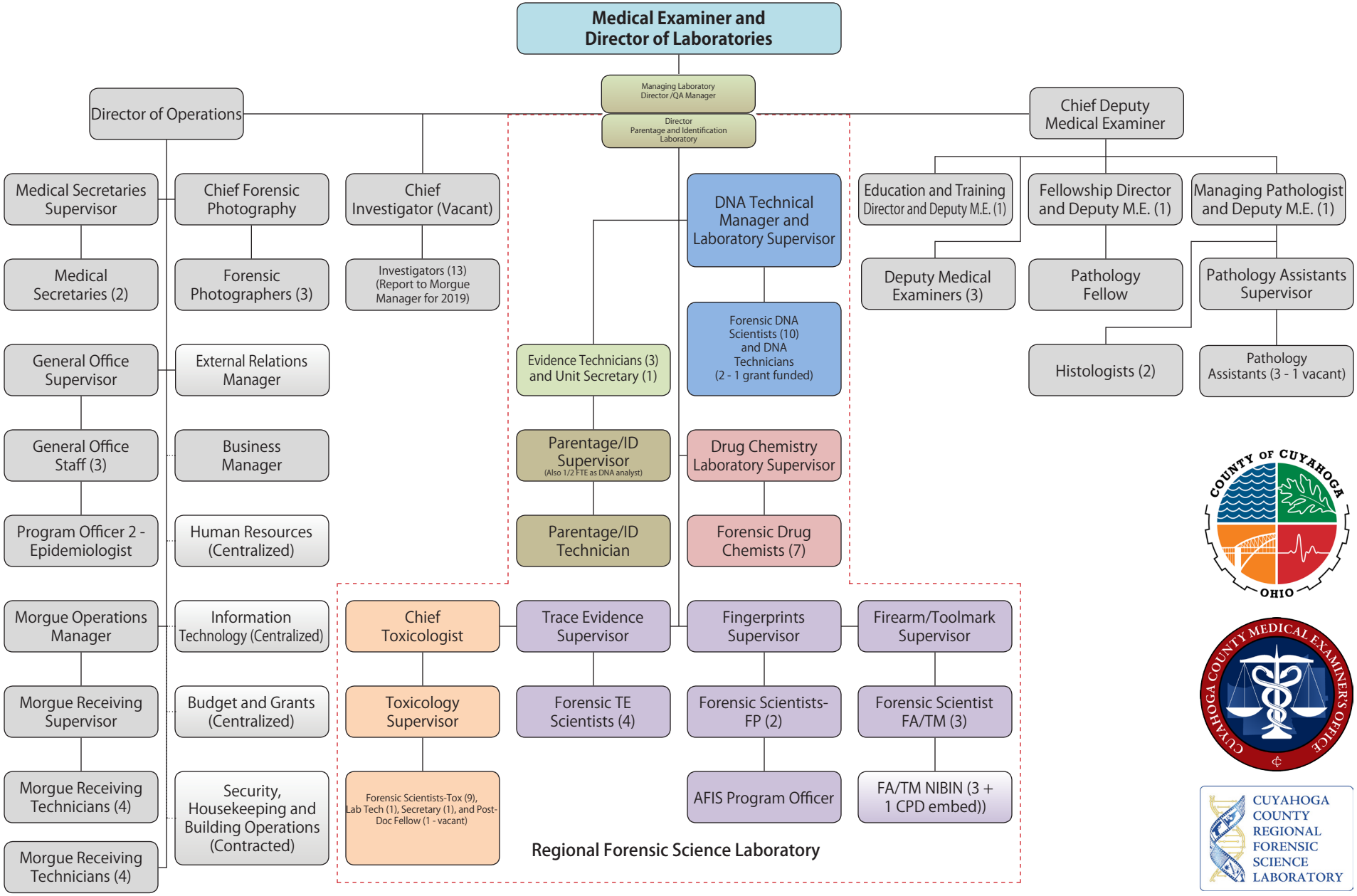
The Revised Code of the State of Ohio also outlines the role the Medical Examiner has with regard to taking charge of a dead body (**§ 313.13**), the responsibility for notifying known relatives of the decedent (**§ 313.14**), and securely storing their possessions. When firearms are included in the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

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

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

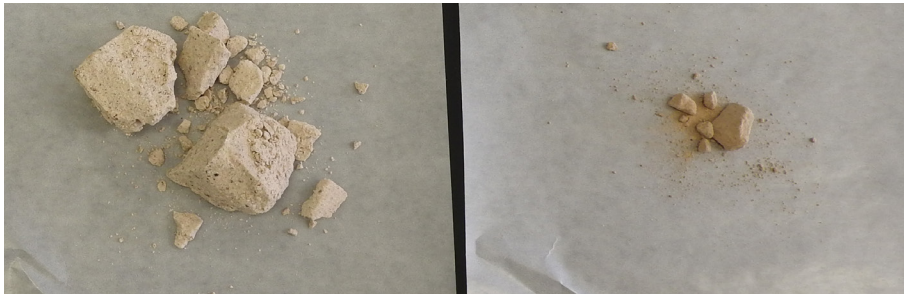
In addition to the aforementioned, there are dozens of other laws governing the Medical Examiner contained in the Revised Code of the State of Ohio. These laws vary greatly, covering subjects as diverse as DNA laboratory databases (**§109.573**), organ and tissue donation (**§313.30**, **2108.26**, **2108.262**,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

THE 2019 CUYAHOGA COUNTY MEDICAL EXAMINER'S OFFICE ORGANIZATIONAL CHART



The Cuyahoga County Opioid Initiative is a broad response to the on-going 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 and fentanyl and its analogs.

2019 ended with an increased and continued unprecedented loss of life, with 582 drug related deaths and 465 due to opiates and opioids, both prescription and illicit. 428 deaths were due to fentanyl and fentanyl analogs (see below). These numbers are increases over 2018.



FENTANYL AND COCAINE

This continues to be an issue, especially in the African-American community. Fentanyl and fentanyl analog related deaths were the highest recorded for the African American community in Cuyahoga County in 2019.

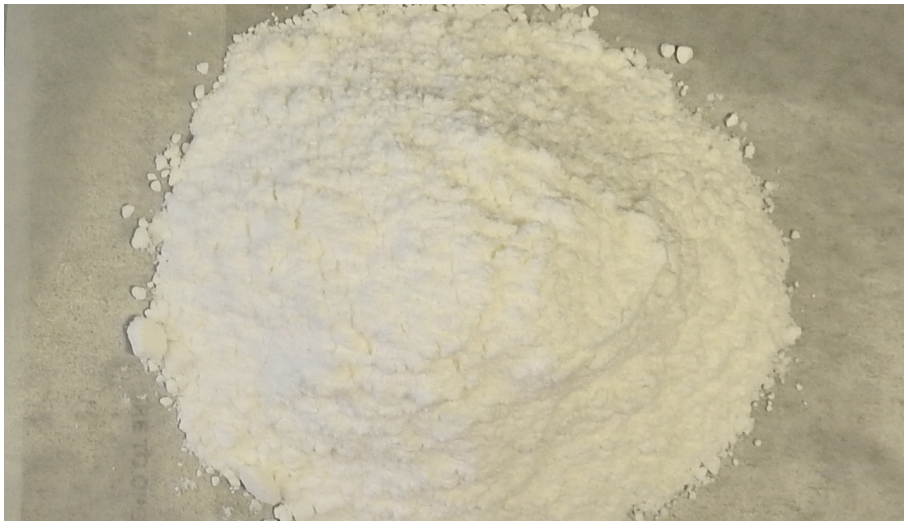
Continued warnings were issued and partners in the opiate initiative made a number of direct inroads aimed at warning and addressing the needs specific to this issue.

FENTANYL, ANALOGUES, AND CARFENTANIL

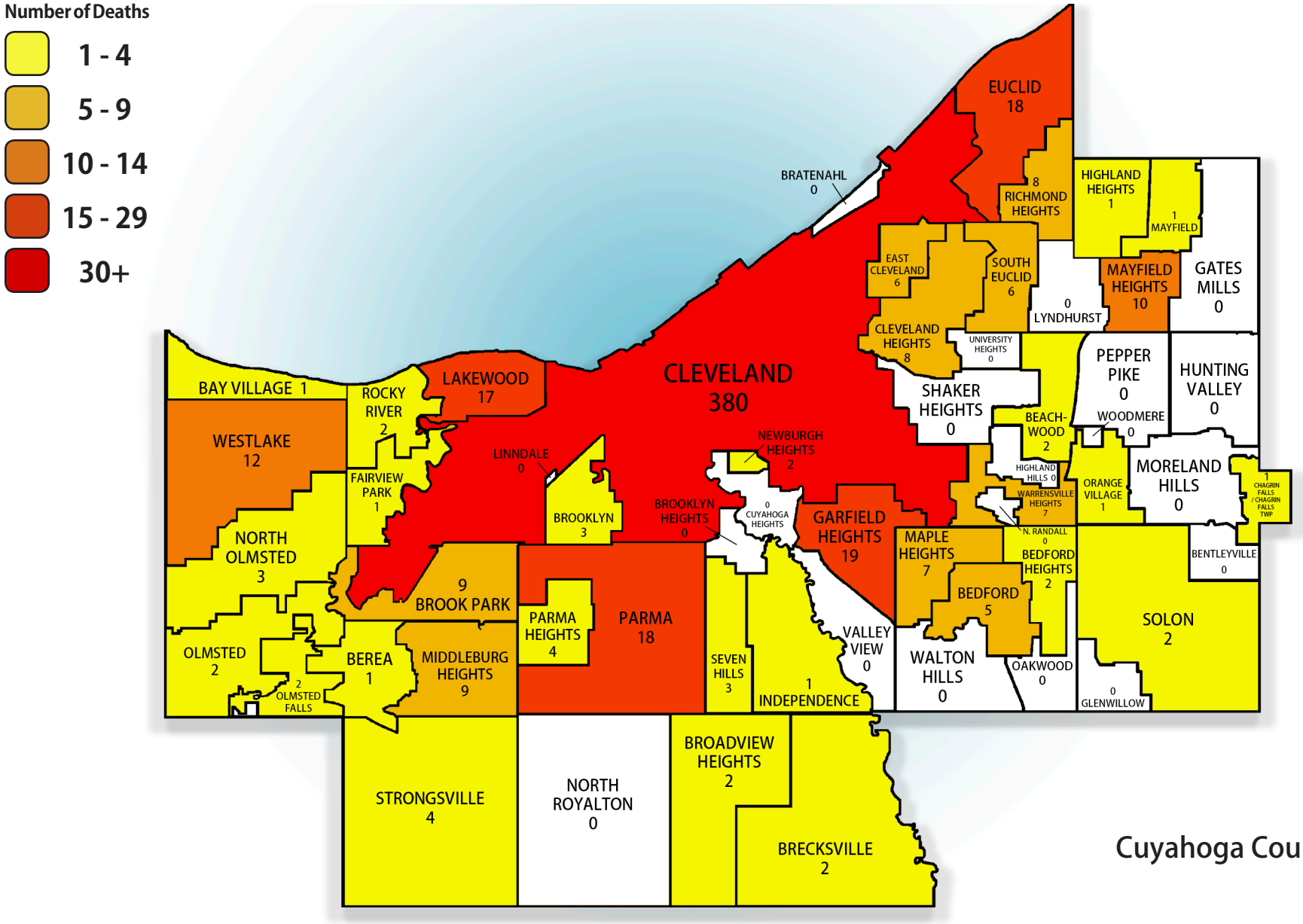
2019 saw a record return of carfentanil, with 240 cases recorded. Most other analogues are largely novel other than acetyl-fentanyl.

GABAPENTIN

In 2019, there were 85 gabapentin-related overdoses a sharp increase from previous years as we saw 15 in 2018, and 16 in 2017. Gabapentin (Neurontin) is a nerve pain medication but it also has many off label uses including pain management, and anxiety. Generally, we do not see gabapentin only overdoses, but is present in combination with fentanyl and fentanyl analogs.



2019 OVERDOSE DEATHS - LOCATION OF INCIDENT BY CITY*

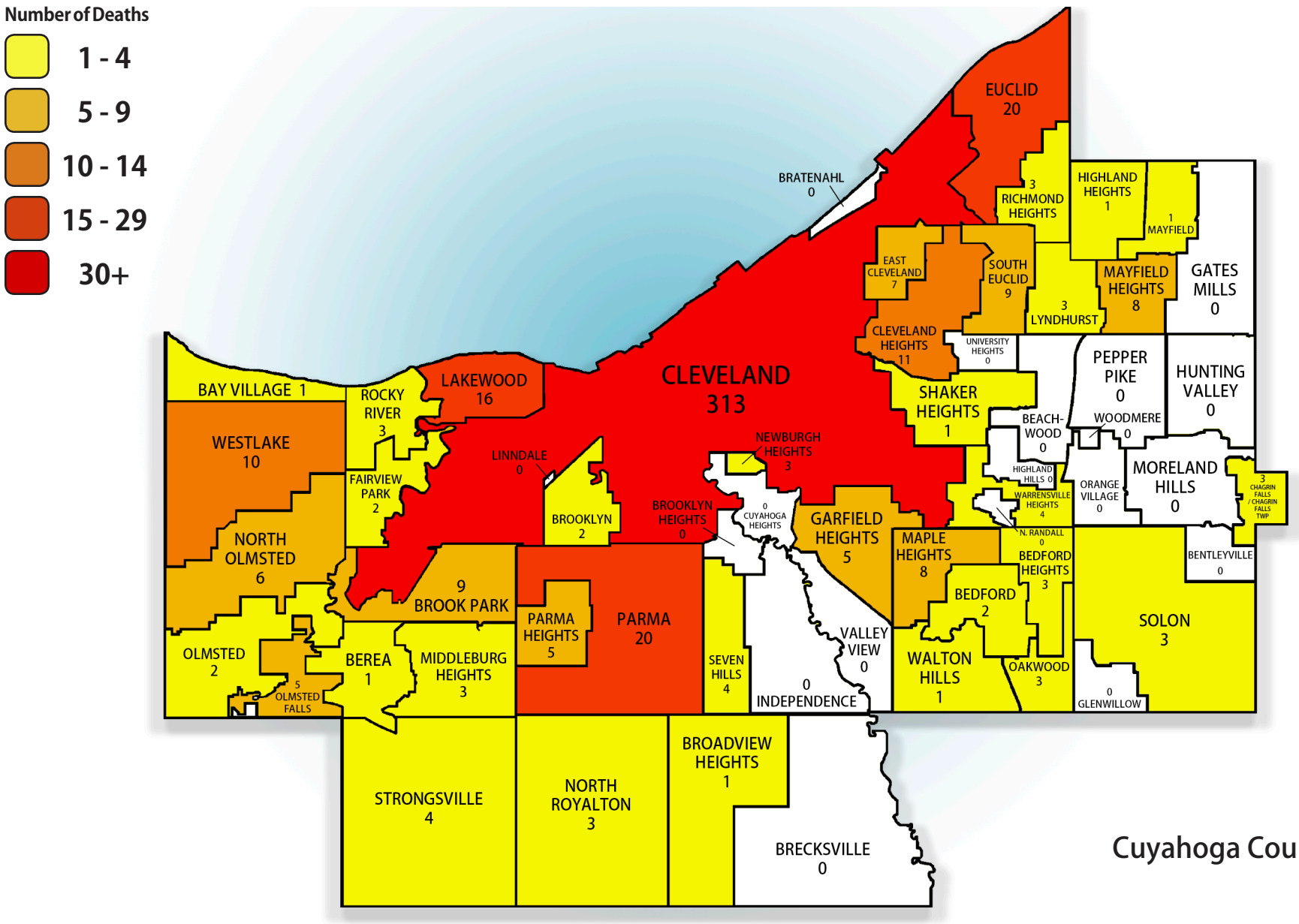


*Unknown Location = 9

2019 OPIATE DEATHS - LOCATION OF INCIDENT BY CITY* (continued)

Cities			
Cleveland	380	Maple Heights	7
Bay Village	1	Mayfield Heights	10
Beachwood	2	Middleburg Heights	9
Bedford	5	North Olmsted	3
Bedford Heights	2	North Royalton	0
Berea	1	Olmsted Falls	2
Brecksville	2	Parma	18
Broadview Heights	2	Parma Heights	4
Brooklyn	3	Pepper Pike	0
Brook Park	9	Richmond Heights	8
Cleveland Heights	8	Rocky River	2
East Cleveland	6	Seven Hills	3
Euclid	18	Shaker Heights	0
Fairview Park	1	Solon	2
Garfield Heights	19	South Euclid	6
Highland Heights	1	Strongsville	4
Independence	1	University Heights	0
Lakewood	17	Warrensville Heights	7
Lyndhurst	0	Westlake	12
Villages			
Bentleyville	0	Mayfield Village	1
Bratenahl	0	Moreland Hills	0
Brooklyn Heights	0	Newburgh Heights	2
Cuyahoga Heights	0	North Randall	0
Gates Mills	0	Oakwood Village	0
Glenwillow	0	Orange Village	1
Highland Hills	0	Valley View	0
Hunting Valley	0	Walton Hills	0
Linndale	0	Woodmere	0
Townships			
Chagrin Falls/Chargin Falls Twp	1	Olmsted Township	2

2019 OPIATE DEATHS - RESIDENCE ADDRESS BY CITY*

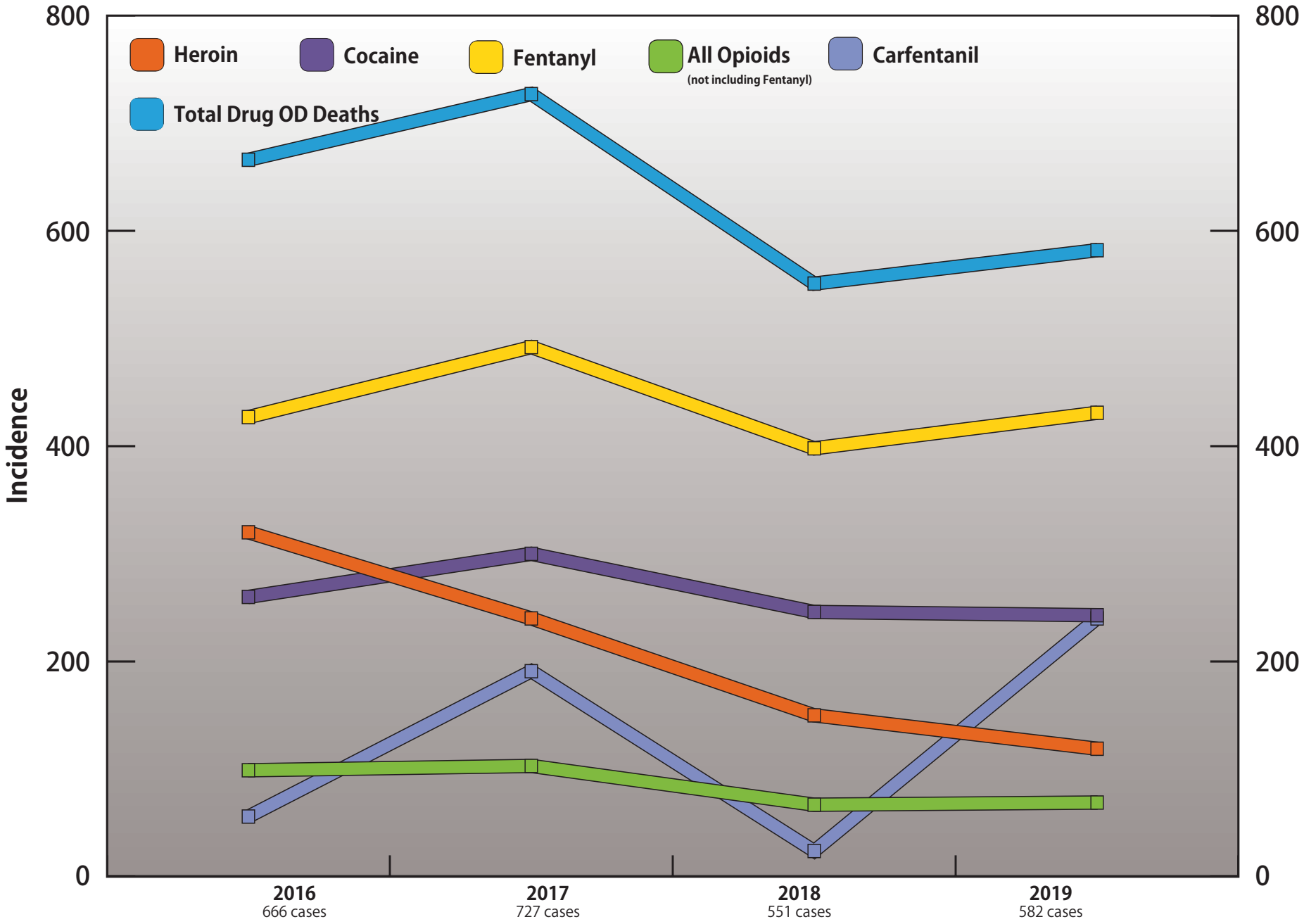


*Unknown Location = 4

2019 OPIOID DEATHS - RESIDENCE ADDRESS BY CITY* (continued)

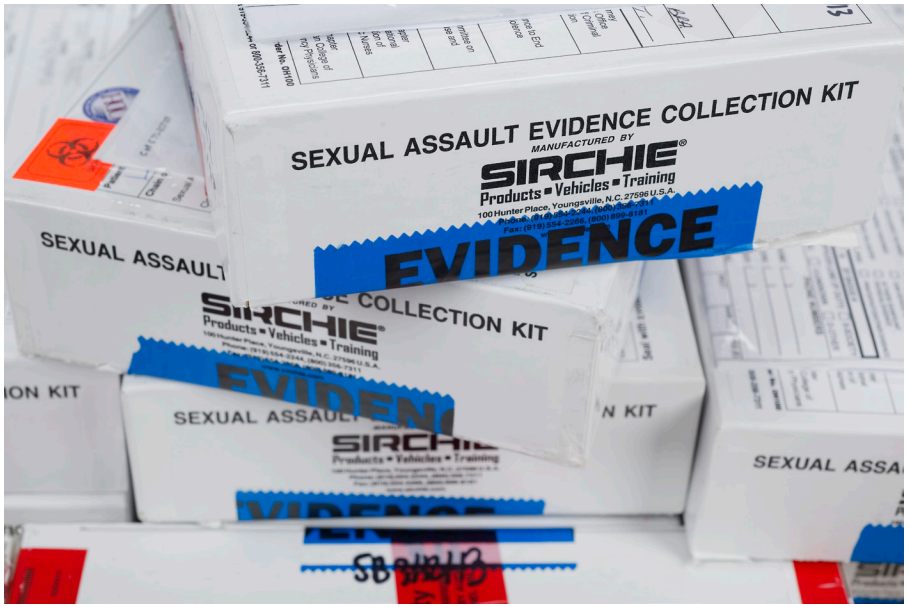
Cities			
Cleveland	313	Maple Heights	8
Bay Village	1	Mayfield Heights	8
Beachwood	0	Middleburg Heights	3
Bedford	2	North Olmsted	6
Bedford Heights	3	North Royalton	3
Berea	1	Olmsted Falls	5
Brecksville	0	Parma	20
Broadview Heights	1	Parma Heights	5
Brooklyn	2	Pepper Pike	0
Brook Park	9	Richmond Heights	3
Cleveland Heights	11	Rocky River	3
East Cleveland	7	Seven Hills	4
Euclid	20	Shaker Heights	1
Fairview Park	2	Solon	3
Garfield Heights	5	South Euclid	9
Highland Heights	1	Strongsville	4
Independence	0	University Heights	0
Lakewood	16	Warrensville Heights	4
Lyndhurst	3	Westlake	10
Villages			
Bentleyville	0	Mayfield Village	1
Bratenahl	0	Moreland Hills	0
Brooklyn Heights	0	Newburgh Heights	3
Cuyahoga Heights	0	North Randall	0
Gates Mills	0	Oakwood Village	3
Glenwillow	0	Orange Village	0
Highland Hills	0	Valley View	0
Hunting Valley	0	Walton Hills	1
Linndale	0	Woodmere	0
Townships			
Chagrin Falls/Chargin Falls Twp	3	Olmsted Township	2

2016 - 2019 COMPARISON OF MOST COMMON OVERDOSE DRUGS



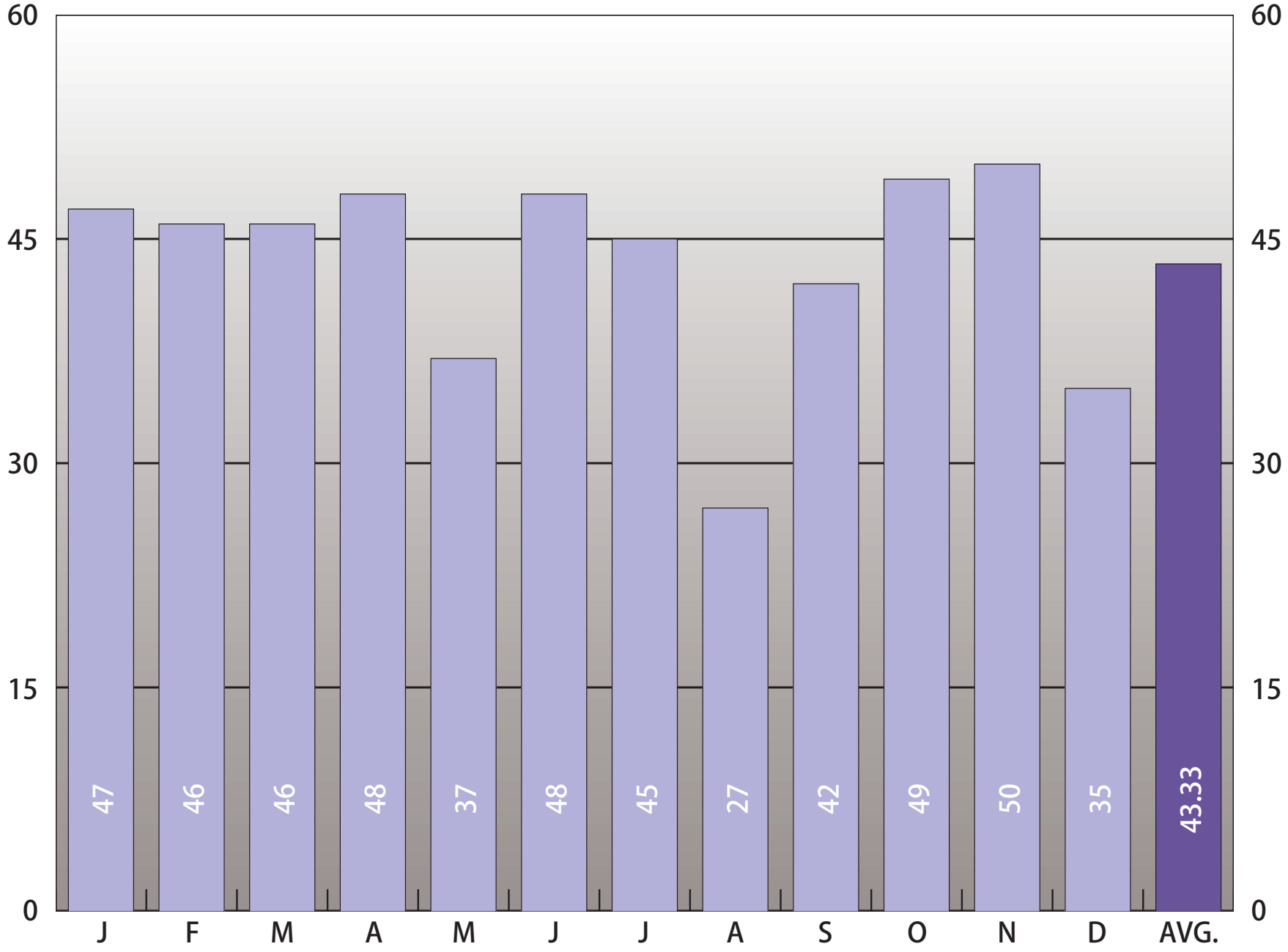
CUYAHOGA COUNTY SEXUAL ASSAULT POLICY

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.

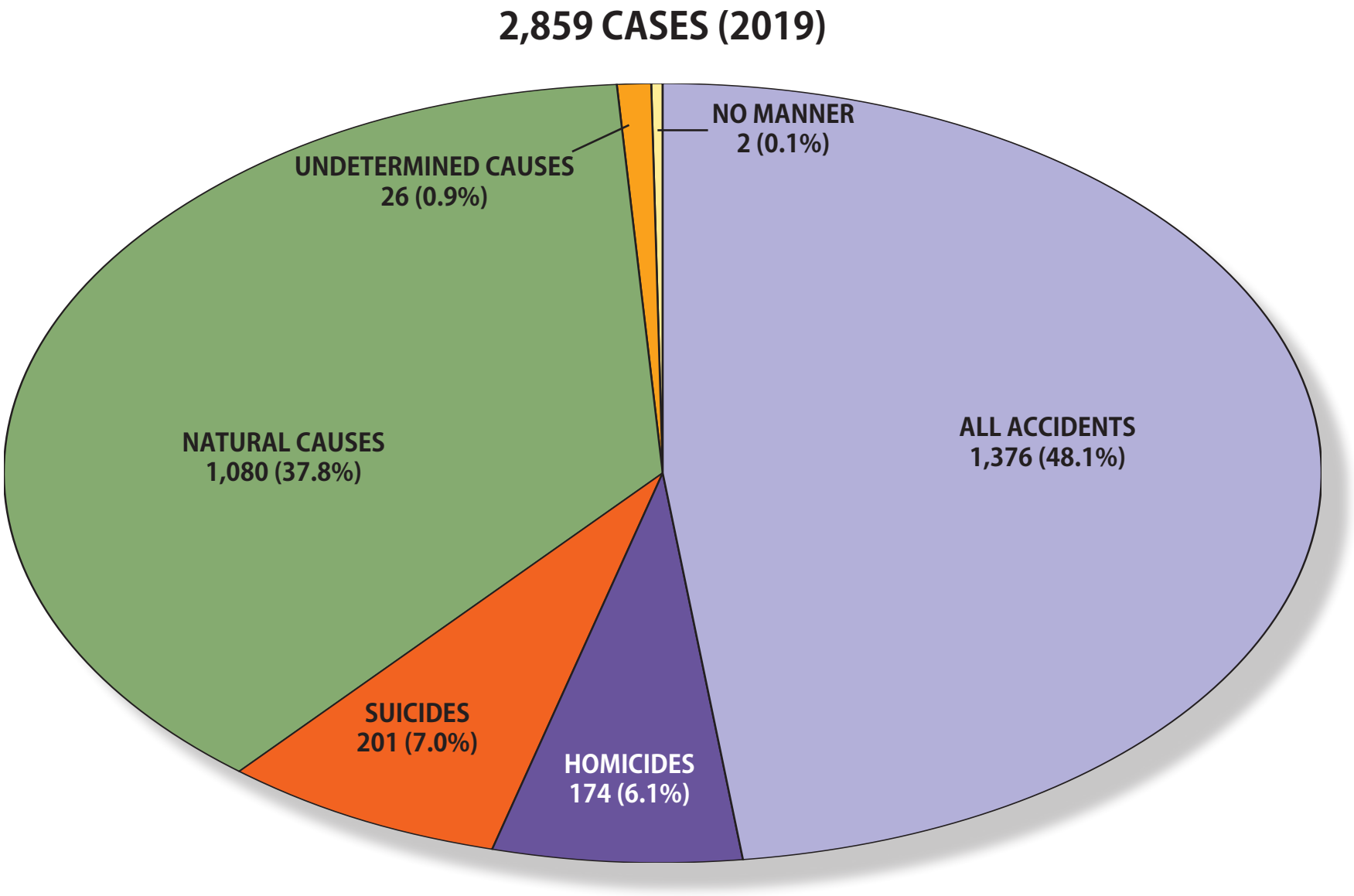


Since May 2012, nearly 2400 kits have been submitted for testing, essentially doubling the current DNA caseload of the lab. This important work continued in 2017, with overall average case completion time in 2017 of 50 days. . This testing is conducted at **NO COST** to submitting agencies or communities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

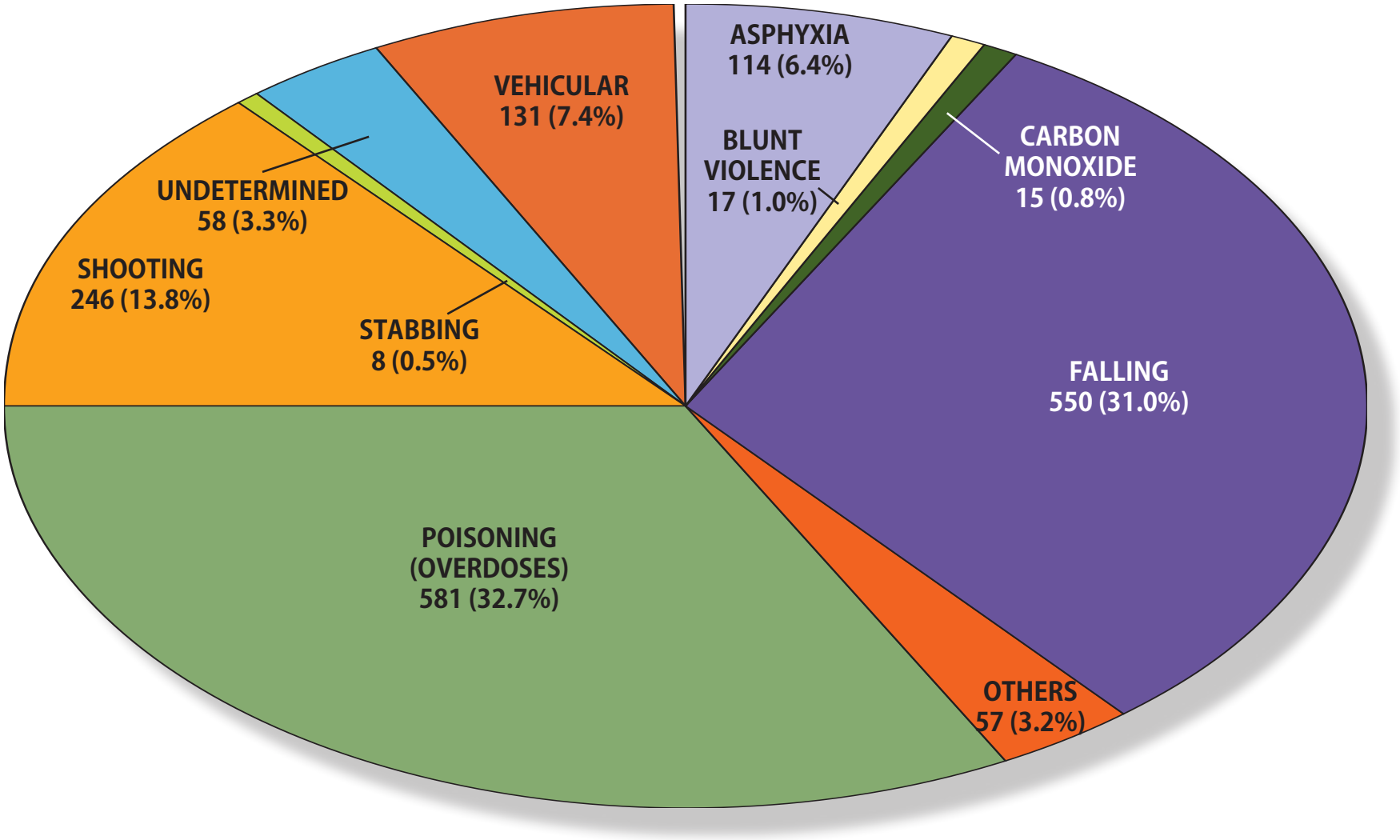
RAPE KITS RECEIVED BY MONTH FOR THE YEAR 2019



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

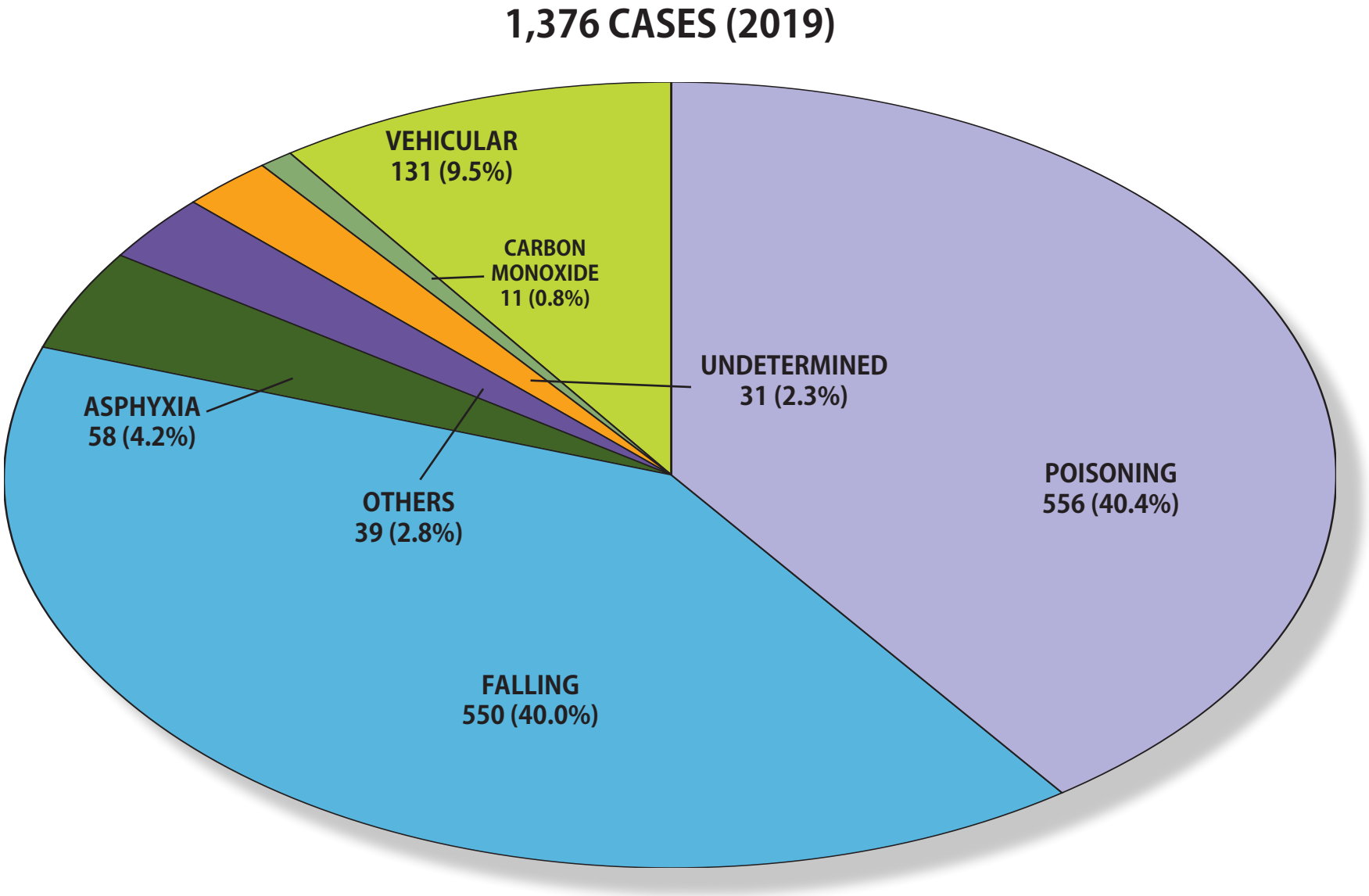


1,777* CASES (2019)

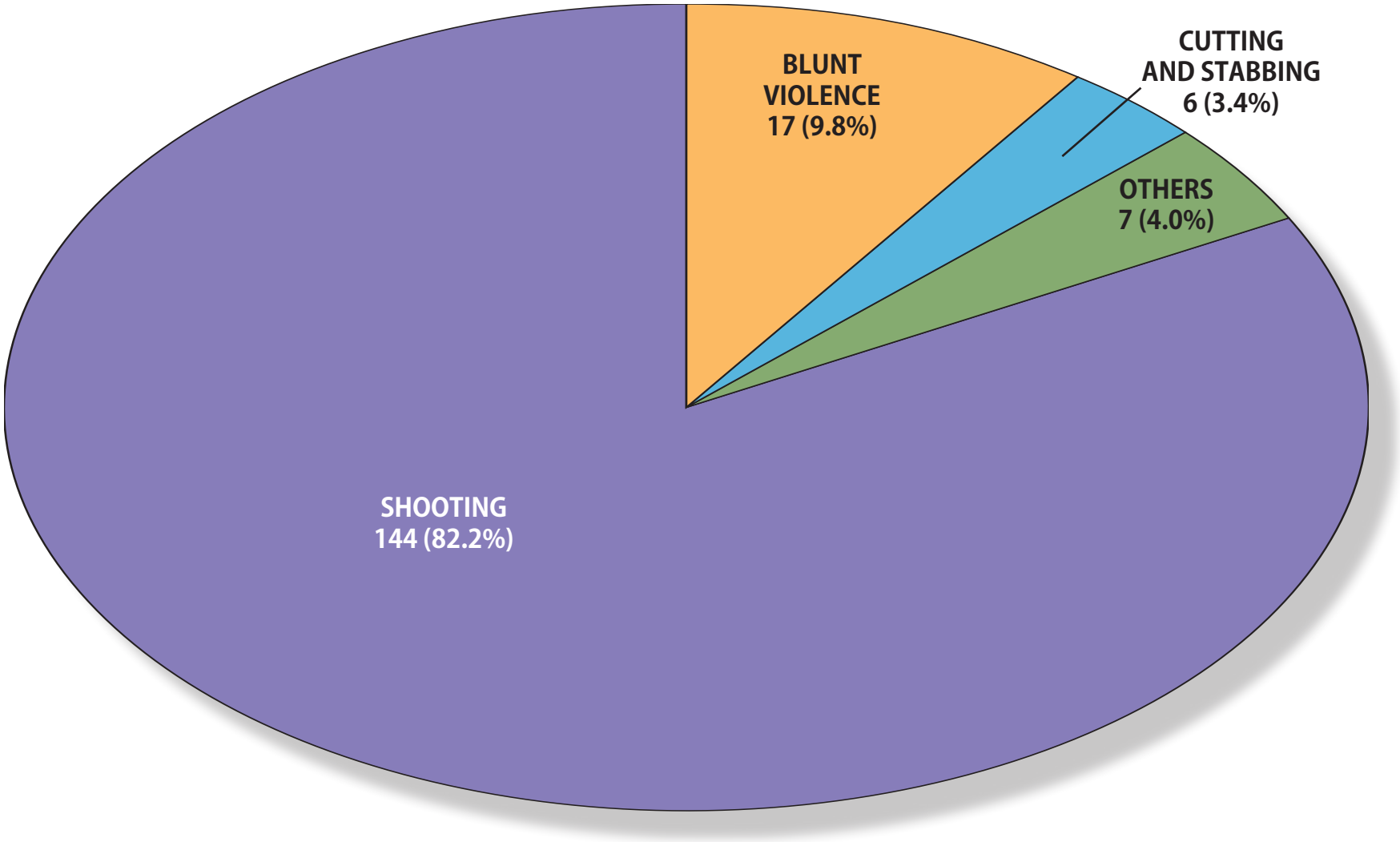


* Cases without a manner of death are excluded

MODE OF OCCURRENCE 2019



174 CASES (2019)



MODE OF OCCURRENCE 2019

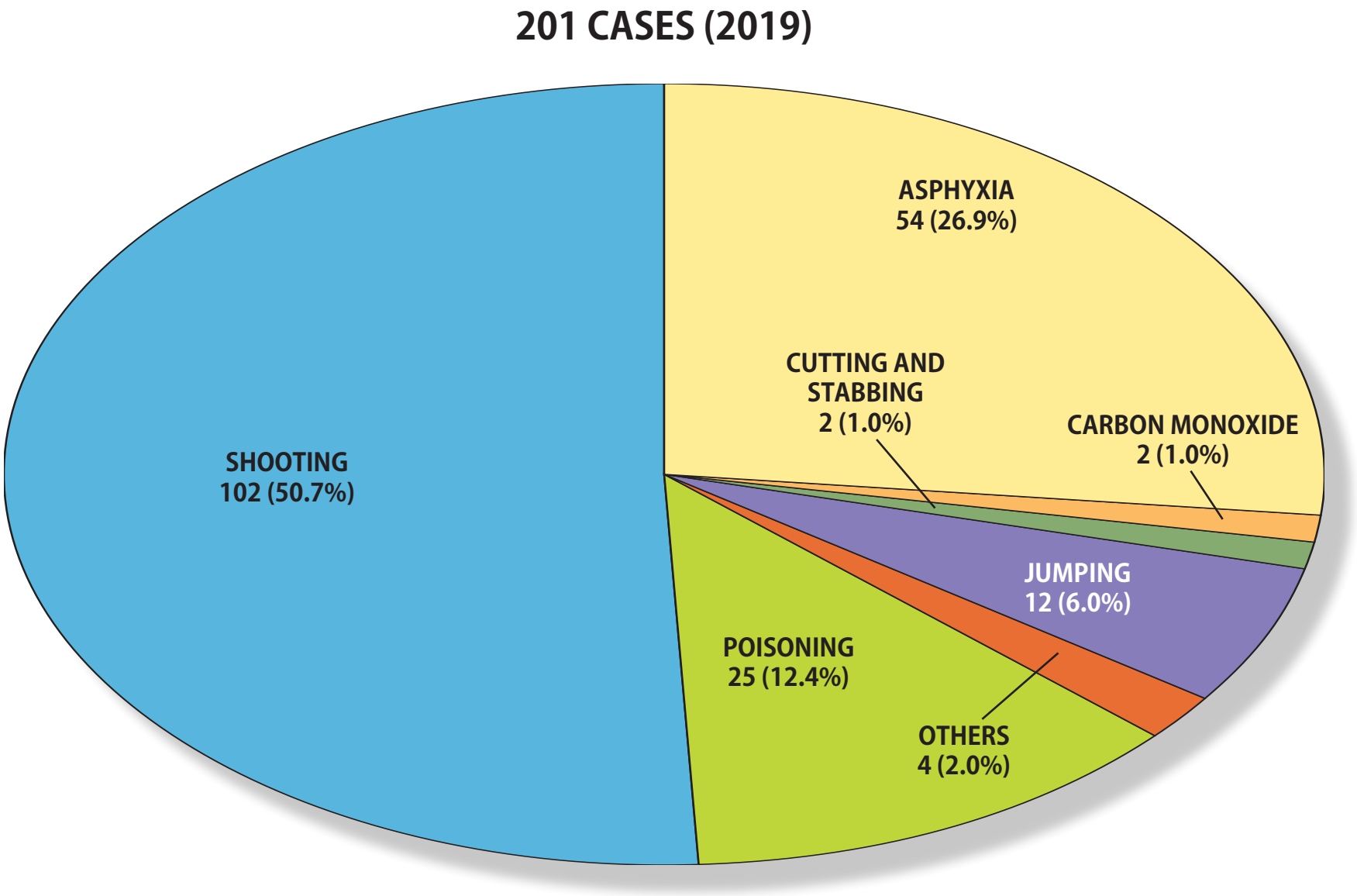


TABLE A TYPES OF FATALITIES AND MISCELLANEOUS INFORMATION - 2018 AND 2019

	2018	2019
Accidents in the Home	775	855
Accidents While at Work	7	9
Vehicular Accidents	111	131
Accidents in Other Places	378	381
Homicides	188	174
Suicides	214	201
Natural Causes	1,104	1,080
Undetermined Causes	28	26
No Manner Issued	5	2
Cases Reported - Admitted	2,810	2,859
Cases Reported - Not Admitted	3,847	4,010
Autopsies (Hospitals Included)	1,422*	1,400**
Autopsies Performed for Other Counties	434	418
Unidentified Bodies	0	0
Unclaimed Bodies	92	114
Donated Bodies	8	5
Exhumations	0	0
Scene Investigations	1,268	1,294
Bodies Transported By/By Order of	2,318	2,340
Bodies Transported to Office	2,812	2,815
Deaths in Cuyahoga County	14,148	14,148
Percentage of Deaths Admitted	19.86%	20.21%

*Includes 12 autopsies performed at hospitals
**Includes 4 autopsies performed at hospitals

		Gender		Race						
Type of Fatality	Total	Male	Female	White	Black	Asian	Other	Hispanic	Autopsied Cases*	% of Total Cases
Accidents in the Home	855	497	358	639	208	7	1	26	432	15.11%
Accidents While at Work	9	9	0	5	4	0	0	0	6	0.21%
Vehicular Accidents	131	97	34	75	55	1	0	9	60	2.10%
Accidents in Other Places	381	220	161	291	87	3	0	6	117	4.09%
Homicides	174	140	34	26	146	0	2	3	174	6.09%
Suicides	201	152	49	159	39	3	0	9	169	5.91%
Natural Causes	1,080	672	408	648	418	10	4	28	417	14.59%
Undetermined Causes	26	16	10	11	15	0	0	1	24	0.84%
No Manner Issued	2	2	0	2	0	0	0	0	1	0.03%
Total	2,859	1,805	1,054	1,856	972	24	7	82	1,400	48.97%

* Includes 4 autopsies performed at hospitals.

TABLE C TYPES OF FATALITIES - 2018 AND 2019 INCIDENCE COMPARED

	Percentage of Total Cases Admitted	
	2018	**2019**
Accidents in the Home	27.6	29.9
Accidents While at Work	0.2	0.3
Vehicular Accidents	4.0	4.6
Accidents in Other Places	13.5	13.3
Homicides	6.7	6.1
Suicides	7.6	7.0
Natural Causes	**39.3**	**37.8**
Undetermined Causes	1.0	0.9
No Manner Issued	0.2	0.1

	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	855	490	57.31%	163	33.27%
Accidents While at Work	9	7	77.78%	0	0.00%
Vehicular Accidents	131	89	67.94%	48	53.93%
Accidents in Other Places	381	153	40.16%	45	29.41%
Homicides	174	160	91.95%	67	41.88%
Suicides	201	175	87.06%	65	37.14%
Natural Causes	**1,080**	**523**	**48.43%**	**148**	**28.30%**
Undetermined Causes	26	22	84.62%	7	31.82%
No Manner Issued	2	1	50.00%	0	0.00%
Total Cases	**2,859**	**1,620**	**56.66%**	**543**	**33.52%**

TABLE E
INJURY-RELATED FATALITIES BY LOCATION OF INJURY

	Total	Accidents		Vehicular		Homicides		Suicides	
Cities	# of Cases	# of Cases	% of Cases	# of Cases	% of Cases	# of Cases	% of Cases	# of Cases	% of Cases
Cleveland	697	452	64.85%	56	8.03%	135	19.37%	54	7.75%
Bay Village	8	6	75.00%	0	0.00%	1	12.50%	1	12.50%
Beachwood	19	19	100.00%	0	0.00%	0	0.00%	0	0.00%
Bedford	13	8	61.54%	2	15.38%	0	0.00%	3	23.08%
Bedford Heights	6	5	83.33%	0	0.00%	1	16.67%	0	0.00%
Berea	17	13	76.47%	1	5.88%	0	0.00%	3	17.65%
Brecksville	5	3	60.00%	0	0.00%	0	0.00%	2	40.00%
Broadview Heights	9	8	88.89%	1	11.11%	0	0.00%	0	0.00%
Brooklyn	28	23	82.14%	1	3.57%	0	0.00%	4	14.29%
Brook Park	9	7	77.78%	0	0.00%	1	11.11%	1	11.11%
Cleveland Heights	30	25	83.33%	1	3.33%	2	6.67%	2	6.67%
East Cleveland	27	15	55.56%	1	3.70%	8	29.63%	3	11.11%
Euclid	57	40	70.18%	8	14.04%	2	3.51%	7	12.28%
Fairview Park	15	8	53.33%	0	0.00%	3	20.00%	4	26.67%
Garfield Heights	21	15	71.43%	1	4.76%	1	4.76%	4	19.05%
Highland Heights	8	8	100.00%	0	0.00%	0	0.00%	0	0.00%
Independence	10	3	30.00%	3	30.00%	1	10.00%	3	30.00%
Lakewood	37	28	75.68%	0	0.00%	0	0.00%	9	24.32%
Lyndhurst	8	7	87.50%	0	0.00%	0	0.00%	1	12.50%
Maple Heights	23	12	52.17%	0	0.00%	7	30.43%	4	17.39%
Mayfield Heights	16	14	87.50%	1	6.25%	0	0.00%	1	6.25%
Middleburg Heights	23	19	82.61%	0	0.00%	0	0.00%	4	17.39%
North Olmsted	33	24	72.73%	1	3.03%	0	0.00%	8	24.24%
North Royalton	17	12	70.59%	1	5.88%	0	0.00%	4	23.53%
Olmsted Falls	10	9	90.00%	0	0.00%	1	10.00%	0	0.00%
Parma	67	52	77.61%	0	0.00%	1	1.49%	14	20.90%
Parma Heights	16	14	87.50%	0	0.00%	0	0.00%	2	12.50%
Pepper Pike	1	1	100.00%	0	0.00%	0	0.00%	0	0.00%
Richmond Heights	20	10	50.00%	1	5.00%	2	10.00%	7	35.00%
Rocky River	23	19	82.61%	0	0.00%	0	0.00%	4	17.39%
Seven Hills	9	7	77.78%	0	0.00%	0	0.00%	2	22.22%

INJURY-RELATED FATALITIES BY LOCATION OF INJURY (continued)

TABLE E

	Total	Accidents		Vehicular		Homicides		Suicides	
Cities	# of Cases	# of Cases	% of Cases	# of Cases	% of Cases	# of Cases	% of Cases	# of Cases	% of Cases
Shaker Heights	7	4	57.14%	2	28.57%	0	0.00%	1	14.29%
Solon	10	7	70.00%	1	10.00%	0	0.00%	2	20.00%
South Euclid	14	11	78.57%	0	0.00%	0	0.00%	3	21.43%
Strongsville	38	31	81.58%	1	2.63%	0	0.00%	6	15.79%
University Heights	1	0	0.00%	1	100.00%	0	0.00%	0	0.00%
Warrensville Heights	8	7	87.50%	0	0.00%	0	0.00%	1	12.50%
Westlake	39	31	79.49%	2	5.13%	0	0.00%	6	15.38%
VILLAGES Bentleyville	1	1	100.00%	0	0.00%	0	0.00%	0	0.00%
Bratenahl	3	1	33.30%	2	66.67%	0	0.00%	0	0.00%
Brooklyn Heights	0	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Cuyahoga Heights	0	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Gates Mills	0	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Glenwillow	0	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Highland Hills	1	1	100.00%	0	0.00%	0	0.00%	0	0.00%
Hunting Valley	0	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Linndale	0	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Mayfield Village	3	2	66.66%	0	0.00%	0	0.00%	1	33.33%
Moreland Hills	2	1	50.00%	0	0.00%	0	0.00%	1	50.00%
Newburgh Heights	3	3	100.00%	0	0.00%	0	0.00%	0	0.00%
North Randall	2	0	0.00%	0	0.00%	1	50.00%	1	50.00%
Oakwood Village	6	5	83.33%	0	0.00%	0	0.00%	1	16.67%
Orange Village	0	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Valley View	3	2	66.67%	0	0.00%	0	0.00%	1	33.33%
Walton Hills	2	0	0.00%	1	50.00%	0	0.00%	1	50.00%
Woodmere	0	0	0.00%	0	0.00%	0	0.00%	0	0.00%
TOWNSHIPS Chagrin Falls	5	5	100.00%	0	0.00%	0	0.00%	0	0.00%
Olmsted Township	6	2	33.33%	0	0.00%	0	0.00%	4	66.67%
OUT OF COUNTY	226	164	72.57%	38	16.81%	3	1.33%	21	9.29%
UNKNOWN	89	81	91.01%	4	4.49%	4	4.49%	0	0.00%

TABLE F DEATHS IN COUNTY, DEATHS REPORTED TO MEDICAL EXAMINER/CASES RECEIVED 1940 - 2019

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%

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%

TABLE F DEATHS IN COUNTY, DEATHS REPORTED TO MEDICAL EXAMINER/CASES RECEIVED 1940 - 2019

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

County Population 2010: 1,280,122					
Year	Deaths in County	Total Deaths Reported to Medical Examiner's Office	Percent of Deaths in County	Cases Admitted to Medical Examiner's Office	Percenct of Deaths in County
2010	13,341	5,934	44.4%	2,451	18.3%
2011	13,795	5,927	42.9%	2,449	17.7%
2012	16,134	6,055	37.5%	2,219	13.8%
2013	16,056	6,034	37.6%	2,258	14.1%
2014	15,799	6,026	38.1%	2,251	14.2%
2015	13,611	6,126	45.0%	2,546	18.0%
2016	13,973	6,468	46.3%	2,903	20.8%
2017	14,240	6,676	46.9%	2,952	20.7%
2018	14,148	6,659	47.1%	2,810	19.9%
2019	14,148	6,869	48.6%	2,859	20.2%

COMMON PLEAS COURTROOM, CLEVELAND

Photograph by G. Wilson

CUYAHOGA COUNTY

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
2017	2,952	1,031	1,891	25	5	34.92	64.06	0.85	0.17	189	176	1,376	150
2018	2,810	1,104	1,673	28	5	39.29	59.54	1.00	0.18	188	214	1,160	111
2019	2,859	1,080	37.78	1,751	61.25	26	0.90	2	0.07	174	201	1,245	131

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

INJURY-RELATED FATALITIES TRANSFERRED FROM OTHER COUNTIES*

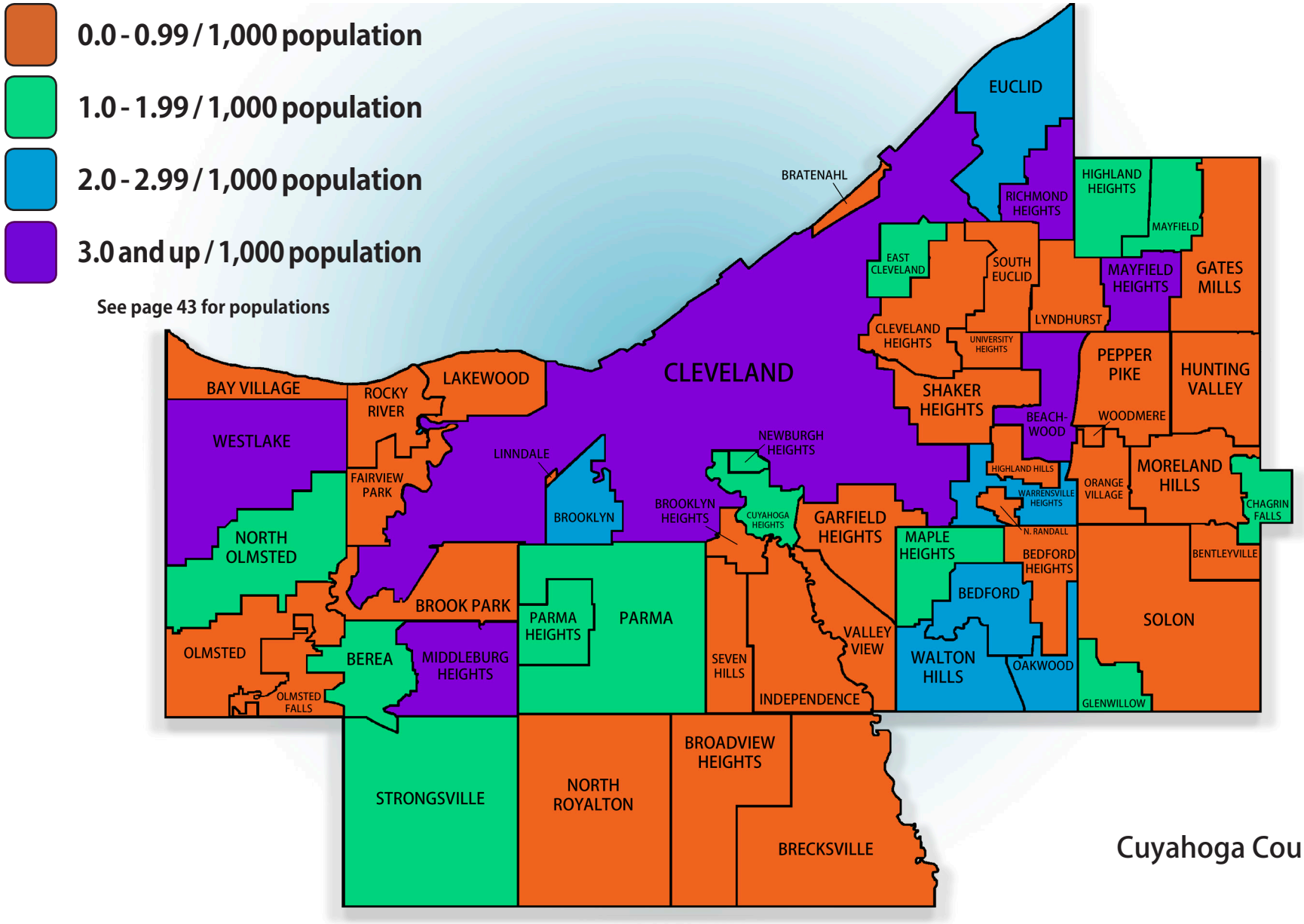
TABLE H

County	Gender		Manner				Location of Death		Grand Total
	M	F	Accidents	Vehicular	Homicide	Suicide	Cleveland	Rest of County	
Ashtabula	2	0	0	2	0	0	2	0	2
Erie	2	1	0	0	0	3	3	0	3
Geauga	1	0	0	1	0	0	1	0	1
Lake	4	1	2	1	0	2	3	2	5
Lorain	8	2	4	1	1	4	6	4	10
Medina	2	1	2	0	0	1	3	0	3
Stark	1	0	0	0	1	0	1	0	1
Summit	4	1	2	2	1	0	1	4	5
Trumbull	1	1	2	0	0	0	2	0	2
Total	**25**	**7**	**12**	**7**	**3**	**10**	**22**	**10**	**32**

*Autopsied Cases Only.

TABLE I 2019 AUTOPSIES PERFORMED FOR OTHER COUNTIES

County	Male	Female	Unknown	Grand Total
Ashland	9	9	0	18
Ashtabula	17	7	0	24
Carroll	3	1	0	4
Clarion (PA)	1	0	0	1
Columbiana	6	6	0	12
Erie (PA)	2	1	0	3
Geauga	43	23	0	66
Harrison	4	1	0	5
Holmes	2	1	0	3
Jefferson	6	2	0	8
Lake	48	22	0	70
Mahoning	45	14	0	59
Medina	23	13	0	36
Portage	30	12	0	42
Stark	19	6	0	25
Trumball	11	2	0	13
Tuscarawas	10	9	0	19
Wayne	9	3	0	12
Total	**288**	**132**	**0**	**420**



Cuyahoga County, Ohio

DISTRIBUTION OF CASES BY DEATH MUNICIPALITY PER 1,000 POPULATION (continued)

Cities	Deaths	Population	%	Cities	Deaths	Population	%
Cleveland	1,568	396,815	3.95	Maple Heights	29	23,138	1.25
Bay Village	9	15,651	0.58	Mayfield Heights	83	19,155	4.33
Beachwood	45	11,953	3.76	Middleburg Heights	69	15,946	4.33
Bedford	35	13,074	2.68	North Olmsted	33	32,718	1.01
Bedford Heights	10	10,751	0.93	North Royalton	20	30,444	0.66
Berea	21	19,093	1.10	Olmsted Falls	8	9,024	0.89
Brecksville	11	13,656	0.81	Parma	139	81,601	1.70
Broadview Heights	17	19,400	0.88	Parma Heights	25	20,718	1.21
Brooklyn	24	11,169	2.15	Pepper Pike	0	5,979	0.00
Brook Park	11	19,212	0.57	Richmond Heights	42	10,546	3.98
Cleveland Heights	32	46,121	0.69	Rocky River	17	20,213	0.84
East Cleveland	35	17,843	1.96	Seven Hills	9	11,804	0.76
Euclid	100	48,920	2.04	Shaker Heights	14	28,448	0.49
Fairview Park	13	16,826	0.77	Solon	15	23,348	0.64
Garfield Heights	65	28,849	2.25	South Euclid	18	22,295	0.81
Highland Heights	11	8,345	1.32	Strongsville	60	44,750	1.34
Independence	4	7,133	0.56	University Heights	2	13,539	0.15
Lakewood	47	52,131	0.90	Warrensville Heights	35	13,542	2.58
Lyndhurst	11	14,001	0.79	Westlake	131	32,729	4.00
Villages	**Deaths**	**Population**	**%**	**Villages**	**Deaths**	**Population**	**%**
Bentleyville	0	864	0.00	Mayfield	4	3,460	1.16
Bratenahl	1	1,197	0.84	Moreland Hills	0	3,320	0.00
Brooklyn Heights	0	1,543	0.00	Newburgh Heights	3	2,167	1.38
Cuyahoga Heights	1	638	1.57	North Randall	1	1,027	0.97
Gates Mills	0	2,270	0.00	Oakwood	8	3,667	2.18
Glenwillow	1	923	1.08	Orange	0	3,323	0.00
Highland Hills	0	1,130	0.00	Valley View	1	2,034	0.49
Hunting Valley	0	589	0.00	Walton Hills	5	2,281	2.19
Linndale	0	179	0.00	Woodmere	0	884	0.00
Townships	**Deaths**	**Population**	**%**	**Townships**	**Deaths**	**Population**	**%**
Chagrin Falls	5	4,233	1.18	Olmsted Falls	11	13,513	0.81

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**

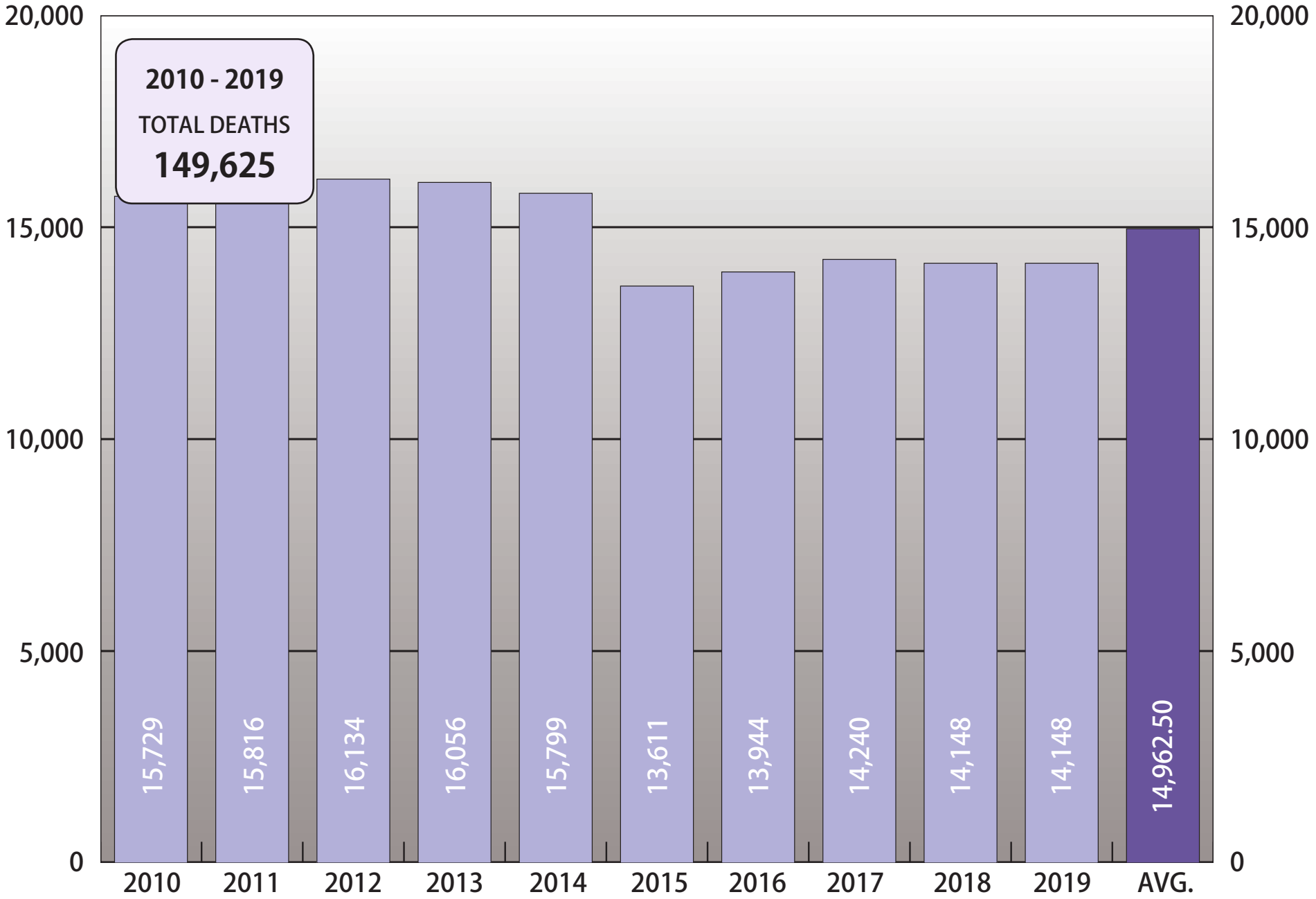
District 1	130,204
District 2	115,832
District 3	111,322
District 4	125,471
District 5	120,703
District 6	125,005
District 7	98,856
District 8	113,364
District 9	114,326
District 10	103,785
District 11	121,254

*** 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.**

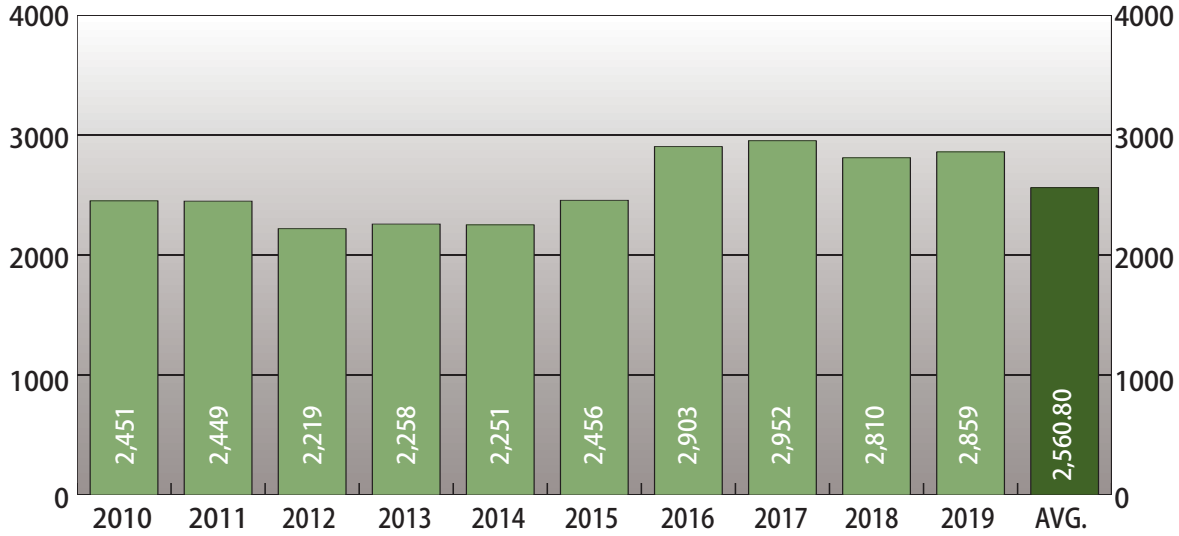
POPULATION OF CUYAHOGA COUNTY 1,280,122

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



2019 SUMMARY OF MEDICAL EXAMINER'S CASES

FOR A PERIOD OF TEN YEARS



2010 - 2019

TOTAL CASES

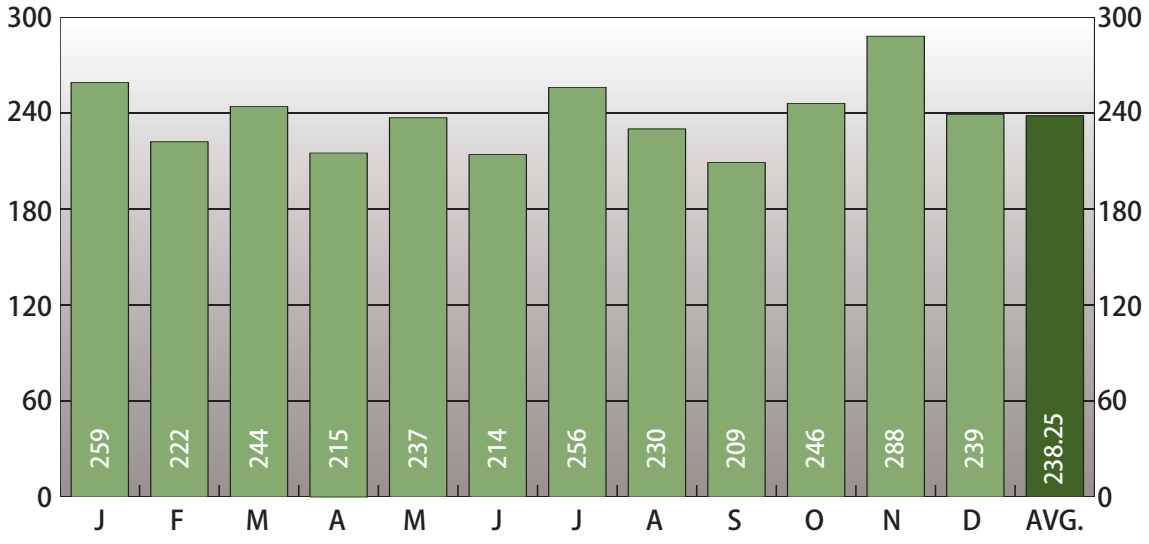
25,608

20.21%

OF TOTAL DEATHS

2019 SUMMARY OF MEDICAL EXAMINER'S CASES

BY MONTH FOR THE YEAR 2019



2019

TOTAL CASES

2,859

SUMMARY

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

Type of Fatality	County				
	Cleveland	Other Cities	Rest of County	Out of County	Total
Accidents in the Home	349	367	16	123	855
Accidents While at Work	4	2	0	3	9
Vehicular Fatalities	58	32	3	38	131
Accidents in Other Places	143	209	9	20	381
Homicides	139	31	1	3	174
Suicides	54	116	10	21	201
Natural Causes	526	536	18	0	1,080
Undetermined Causes	16	8	2	0	26
No Manner Issued	2	0	0	0	2
Total Cases Reported and Admitted	**1,291**	**1,301**	**59**	**208**	**2,859**

Miscellaneous	Total
Cases Reported-Not Admitted	4,010
Autopsies*	1,400
Autopsies Performed for Other Counties	418
Unidentified Bodies	0
Unclaimed Bodies	114
Donated Bodies	5
Total Deaths in Cuyahoga County	14,148
Total Cases as a Percentage of Total Deaths	20.21%

***Includes 4 autopsies performed at hospitals.**

NOTE: Injury-related fatalities are by the location of injury.

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	51	27	35	36	47	29	34	29	36	31	34	28	35	29	39	30	32	29	53	24	57	37	44	29	497	358	855
Accidents While at Work	2	0	0	0	1	0	0	0	1	0	0	0	3	0	1	0	0	0	1	0	0	0	0	0	9	0	9
Vehicular Accidents	6	1	7	0	10	5	7	4	10	1	8	2	10	4	11	3	8	4	9	0	3	3	8	7	97	34	131
Accidents in Other Places	25	15	19	16	15	10	14	9	18	14	19	15	15	20	18	10	13	9	22	12	20	14	22	17	220	161	381
Homicides	15	2	9	1	8	0	9	1	13	2	11	4	15	4	8	5	20	3	9	5	13	2	10	5	140	34	174
Suicides	11	3	11	4	13	3	14	5	15	2	12	4	14	3	12	9	17	4	13	6	11	4	9	2	152	49	201
Natural Causes	60	40	54	29	62	35	52	35	61	31	45	31	60	41	44	38	42	27	57	31	76	44	59	26	672	408	1,080
Undetermined Causes	1	0	0	1	5	1	2	0	0	1	1	0	0	3	0	1	1	0	2	2	3	1	1	0	16	10	26
No Manner Issued	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	2	0	2
Total	171	88	135	87	161	83	132	83	155	82	130	84	152	104	134	96	133	76	166	80	183	105	153	86	1,805	1,054	2,859

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	31	11	21	19	27	8	19	10	18	11	18	10	20	14	24	13	22	10	33	9	29	14	29	12	291	141	432
Accidents While at Work	1	0	0	0	0	0	0	0	1	0	0	0	3	0	1	0	0	0	0	0	0	0	0	0	6	0	6
Vehicular Accidents	2	0	4	0	5	4	3	1	7	1	3	1	2	0	4	2	6	2	5	0	2	2	1	3	44	16	60
Accidents in Other Places	14	4	6	1	4	1	9	1	9	3	6	3	3	3	10	1	5	2	8	3	12	2	7	0	93	24	117
Homicides	15	2	9	1	8	0	9	1	13	2	11	4	15	4	8	5	20	3	9	5	13	2	10	5	140	34	174
Suicides	10	3	8	4	12	2	14	5	13	1	10	3	12	2	10	5	16	2	11	5	11	2	6	2	133	36	169
Natural Causes	29	16	25	9	28	8	26	6	28	7	21	12	20	16	21	10	21	8	25	9	28	10	26	8	298	119	417
Undetermined Causes	1	0	0	1	3	1	2	0	0	1	1	0	0	3	0	1	1	0	2	2	3	1	1	0	14	10	24
No Manner Issued	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
Total	103	36	73	35	87	24	82	24	90	26	70	33	75	42	78	37	91	27	93	33	98	33	80	30	1,020	380	1,400

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	8	8	1	2	0	0	1	0	2	0	11	1	21	20	27	20	28	18	38	16	31	12	31	20	52	26	55	26	37	15	32	19	27	22	95	133	497	358	855
Accidents While at Work	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	1	0	0	0	2	0	2	0	0	0	0	0	1	0	0	0	9	0	9
Vehicular Accidents	0	0	0	0	1	0	0	0	4	0	7	2	9	4	5	2	9	5	5	1	5	2	8	4	15	0	5	1	8	3	5	1	5	3	6	6	97	34	131
Accidents in Other Places	1	0	0	0	0	0	1	0	0	1	6	5	17	2	11	5	10	3	13	2	12	5	7	4	24	5	18	8	18	2	12	11	13	6	57	102	220	161	381
Homicides	0	0	1	2	1	1	2	1	17	4	27	3	25	3	19	3	11	6	10	2	7	0	5	1	6	2	4	3	0	2	3	1	1	0	1	0	140	34	174
Suicides	0	0	0	0	0	0	1	1	3	6	14	2	14	5	19	3	10	5	14	3	12	1	10	12	9	1	16	7	10	1	6	1	5	0	9	1	152	49	201
Natural Causes	8	4	3	1	3	0	0	0	0	2	2	0	6	5	13	9	20	11	23	13	31	15	55	24	103	46	132	57	86	46	72	37	47	32	68	106	672	408	1,080
Undetermined Causes	5	4	2	0	0	0	0	0	0	1	1	1	1	1	3	0	0	1	0	1	0	0	0	0	1	0	1	0	1	0	1	0	0	0	0	1	16	10	26
No Manner Issued	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
Total	24	16	7	5	5	1	5	2	26	14	68	14	93	40	98	42	89	49	104	38	99	35	116	65	212	80	233	102	160	69	131	70	99	63	236	349	1,805	1,054	2,859

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	8	8	1	2	0	0	0	0	1	0	11	1	17	16	23	14	25	17	30	13	27	6	27	12	39	19	42	14	26	6	8	2	3	5	3	6	291	141	432
Accidents While at Work	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1	0	0	0	1	0	2	0	0	0	0	0	0	0	0	0	6	0	6
Vehicular Accidents	0	0	0	0	0	0	0	0	2	0	4	2	7	2	1	2	7	4	1	1	3	1	4	3	7	0	2	0	2	1	1	0	2	0	1	0	44	16	60
Accidents in Other Places	0	0	0	0	0	0	1	0	0	0	5	3	8	1	6	5	8	1	10	0	9	5	7	1	16	1	7	1	10	1	6	1	0	0	0	4	93	24	117
Homicides	0	0	1	2	1	1	2	1	17	4	27	3	25	3	19	3	11	6	10	2	7	0	5	1	6	2	4	3	0	2	3	1	1	0	1	0	140	34	174
Suicides	0	0	0	0	0	0	0	1	3	4	10	1	12	3	18	2	10	5	12	3	12	1	10	10	9	1	12	4	8	0	4	0	5	0	8	1	133	36	169
Natural Causes	6	4	3	1	3	0	0	0	0	1	1	0	4	5	7	5	15	9	20	12	21	8	34	9	61	17	55	15	27	11	23	10	10	3	8	9	298	119	417
Undetermined Causes	5	4	2	0	0	0	0	0	0	1	1	1	0	1	3	0	0	1	0	1	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	1	14	10	24
No Manner Issued	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
Total	**20**	**16**	**7**	**5**	**4**	**1**	**3**	**2**	**23**	**10**	**59**	**11**	**73**	**31**	**78**	**31**	**77**	**43**	**83**	**32**	**80**	**21**	**87**	**36**	**140**	**40**	**124**	**37**	**74**	**21**	**46**	**14**	**21**	**8**	**21**	**21**	**1,020**	**380**	**1,400**

ALL FATALITIES BY LOCATION OF DEATH

TABLE 6A

Cities	Injury-Related Fatalities								Other Fatalities				Grand Total
	Accidental					Violent							
	Accidents in the Home	Accidents While at Work	Vehicular Accidents	Accidents in Other Places	Total Accidents	Homicides	Suicides	Total Other Violence	Natural Causes	Undetermined Causes	No Manner Issued	Total Other Deaths	
Cleveland	491	5	104	191	791	154	77	231	526	18	2	546	1,568
Bay Village	2	0	0	1	3	1	1	2	4	0	0	4	9
Beachwood	9	0	1	13	23	1	0	1	20	1	0	21	45
Bedford	7	0	2	6	15	0	4	4	16	0	0	16	35
Bedford Heights	3	0	0	0	3	0	0	0	7	0	0	7	10
Berea	6	0	0	3	9	0	3	3	9	0	0	9	21
Brecksville	0	0	1	1	2	0	2	2	6	1	0	7	11
Broadview Heights	3	0	0	3	6	1	0	1	10	0	0	10	17
Brooklyn	2	0	0	2	4	1	1	2	5	0	0	5	11
Brook Park	9	0	1	3	13	0	3	3	8	0	0	8	24
Cleveland Heights	8	0	1	0	9	1	2	3	20	0	0	20	32
East Cleveland	9	0	1	0	10	2	2	4	21	0	0	21	35
Euclid	25	1	2	7	35	2	7	9	56	0	0	56	100
Fairview Park	1	0	0	1	2	2	2	4	7	0	0	7	13
Garfield Heights	17	0	2	9	28	2	4	6	31	0	0	31	65
Highland Heights	4	0	0	2	6	0	0	0	5	0	0	5	11
Independence	0	0	0	0	0	0	3	3	1	0	0	1	4
Lakewood	20	0	0	1	21	0	9	9	17	0	0	17	47
Lyndhurst	0	0	0	3	3	0	0	0	8	0	0	8	11
Maple Heights	6	0	0	1	7	4	3	7	15	0	0	15	29
Mayfield Heights	40	1	5	8	54	0	6	6	21	2	0	23	83
Middleburg Heights	24	0	1	14	39	0	6	6	24	0	0	24	69
North Olmsted	5	0	0	6	11	0	8	8	13	1	0	14	33
North Royalton	2	0	1	3	6	0	3	3	11	0	0	11	20
Olmsted Falls	5	0	0	0	5	1	0	1	2	0	0	2	8
Parma	47	0	1	31	79	0	13	13	46	1	0	47	139
Parma Heights	6	0	0	1	7	0	3	3	15	0	0	15	25
Pepper Pike	0	0	0	0	0	0	0	0	0	0	0	0	0
Richmond Heights	6	1	2	6	15	2	6	8	18	1	0	19	42
Rocky River	4	0	0	4	8	0	4	4	5	0	0	5	17
Seven Hills	5	0	0	1	6	0	2	2	1	0	0	1	9

TABLE 6A
ALL FATALITIES BY LOCATION OF DEATH (continued)

Cities	Injury-Related Fatalities								Other Fatalities				Grand Total
	Accidental					Violent							
	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	
Shaker Heights	0	0	1	0	1	0	1	1	11	1	0	12	14
Solon	4	0	0	2	6	0	2	2	7	0	0	7	15
South Euclid	6	0	0	1	7	0	3	3	8	0	0	8	18
Strongsville	24	0	1	11	36	0	5	5	19	0	0	19	60
University Heights	0	0	0	0	0	0	0	0	2	0	0	2	2
Warrensville Heights	7	0	1	6	14	0	0	0	21	0	0	21	35
Westlake	40	1	2	35	78	0	9	9	44	0	0	44	131
VILLAGES: Bentleyville	0	0	0	0	0	0	0	0	0	0	0	0	0
Bratenahl	0	0	1	0	1	0	0	0	0	0	0	0	1
Brooklyn Heights	0	0	0	0	0	0	0	0	0	0	0	0	0
Cuyahoga Heights	0	0	0	0	0	0	0	0	1	0	0	1	1
Gates Mills	0	0	0	0	0	0	0	0	0	0	0	0	0
Glenwillow	0	0	0	0	0	0	0	0	1	0	0	1	1
Highland Hills	0	0	0	0	0	0	0	0	0	0	0	0	0
Hunting Valley	0	0	0	0	0	0	0	0	0	0	0	0	0
Linndale	0	0	0	0	0	0	0	0	0	0	0	0	0
Mayfield Village	1	0	0	2	3	0	0	0	1	0	0	1	4
Moreland Hills	0	0	0	0	0	0	0	0	0	0	0	0	0
Newburgh Heights	2	0	0	0	2	0	0	0	1	0	0	1	3
North Randall	0	0	0	0	0	0	1	1	0	0	0	0	1
Oakwood Village	3	0	0	0	3	0	1	1	4	0	0	4	8
Orange Village	0	0	0	0	0	0	0	0	0	0	0	0	0
Walton Hills	0	0	0	0	0	0	1	1	0	0	0	0	1
Valley View	0	0	0	0	0	0	1	1	4	0	0	4	5
Woodmere	0	0	0	0	0	0	0	0	0	0	0	0	0
TOWNSHIPS: Chagrin Falls	2	0	0	1	3	0	0	0	2	0	0	2	5
Olmsted Township	0	0	0	2	2	0	3	3	6	0	0	6	11
Total	**855**	**9**	**131**	**381**	**1,376**	**174**	**201**	**375**	**1,080**	**26**	**2**	**1,108**	**2,859**

INJURY-RELATED FATALITIES BY LOCATION OF INJURY

TABLE 6B

Cities	Injury-Related Fatalities								
	Accidental					Violent			
	Accidents in the Home	Accidents While at Work	Vehicular Accidents	Accidents in Other Places	Total Accidents	Homicides	Suicides	Total Other Violence	Grand Total
Cleveland	346	4	56	102	508	135	54	189	697
Bay Village	5	0	0	1	6	1	1	2	8
Beachwood	6	0	0	13	19	0	0	0	19
Bedford	5	0	2	3	10	0	3	3	13
Bedford Heights	5	0	0	0	5	1	0	1	6
Berea	9	0	1	4	14	0	3	3	17
Brecksville	1	0	0	2	3	0	2	2	5
Broadview Heights	5	0	1	3	9	0	0	0	9
Brooklyn	19	0	1	4	24	0	4	4	28
Brook Park	5	0	0	2	7	1	1	2	9
Cleveland Heights	22	1	1	2	26	2	2	4	30
East Cleveland	13	0	1	2	16	8	3	11	27
Euclid	32	0	8	8	48	2	7	9	57
Fairview Park	6	0	0	2	8	3	4	7	15
Garfield Heights	7	0	1	8	16	1	4	5	21
Highland Heights	6	0	0	3	9	0	0	0	9
Independence	2	0	3	1	6	1	3	4	10
Lakewood	26	0	0	2	28	0	9	9	37
Lyndhurst	4	0	0	3	7	0	1	1	8
Maple Heights	10	0	0	2	12	7	4	11	23
Mayfield Heights	13	0	1	0	14	0	1	1	15
Middleburg Heights	9	0	0	10	19	0	4	4	23
North Olmsted	14	0	1	10	25	0	8	8	33
North Royalton	6	0	1	6	13	0	4	4	17
Olmsted Falls	6	0	0	3	9	1	0	1	10
Parma	36	0	0	16	52	1	14	15	67
Parma Heights	12	0	0	2	14	0	2	2	16
Pepper Pike	1	0	0	0	1	0	0	0	1
Richmond Heights	4	1	1	5	11	2	7	9	20
Rocky River	13	0	0	6	19	0	4	4	23
Seven Hills	6	0	0	1	7	0	2	2	9

TABLE 6B INJURY-RELATED FATALITIES BY LOCATION OF INJURY (continued)

Cities	Injury-Related Fatalities								
	Accidental					Violent			
	Accidents in the Home	Accidents While at Work	Vehicular Accidents	Accidents in Other Places	Total Accidents	Homicides	Suicides	Total Other Violence	Grand Total
Shaker Heights	3	0	2	1	6	0	1	1	7
Solon	6	0	1	1	8	0	2	2	10
South Euclid	10	0	0	1	11	0	3	3	14
Strongsville	23	0	1	8	32	0	6	6	38
University Heights	0	0	1	0	1	0	0	0	1
Warrensville Heights	4	0	0	3	7	0	1	1	8
Westlake	13	0	2	18	33	0	6	6	39
VILLAGES: Bentleyville	1	0	0	0	1	0	0	0	1
Bratenahl	1	0	2	0	3	0	0	0	3
Brooklyn Heights	0	0	0	0	0	0	0	0	0
Cuyahoga Heights	0	0	0	0	0	0	0	0	0
Gates Mills	0	0	0	0	0	0	0	0	0
Glenwillow	0	0	0	0	0	0	0	0	0
Highland Hills	1	0	0	0	1	0	0	0	1
Hunting Valley	0	0	0	0	0	0	0	0	0
Linndale	0	0	0	0	0	0	0	0	0
Mayfield Village	1	0	0	1	2	0	1	1	3
Moreland Hills	1	0	0	0	1	0	1	1	2
Newburgh Heights	2	0	0	1	3	0	0	0	3
North Randall	0	0	0	0	0	1	1	2	2
Oakwood Village	4	0	0	1	5	0	1	1	6
Orange Village	0	0	0	0	0	0	0	0	0
Walton Hills	2	0	0	0	2	0	1	1	3
Valley View	0	0	1	0	1	0	1	1	2
Woodmere	0	0	0	0	0	0	0	0	0
TOWNSHIPS: Chagrin Falls	2	0	0	3	5	0	0	0	5
Olmsted	1	0	0	1	2	0	4	4	6
Out of County	123	3	38	38	202	3	21	24	226
Unknown	3	0	4	78	85	4	0	4	89
Total	**855**	**9**	**131**	**381**	**1,376**	**174**	**201**	**375**	**1,751**

Photograph by G. Wilson

TABLE 7 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	28	42	0	0	8	0	78	1	1	0	0	0	0	2	4	1	0	0	1	1	7	14	15	0	1	3	7	40	47	59	0	1	12	8	127
February	32	31	2	1	5	0	71	0	0	0	0	0	0	0	2	1	0	0	3	1	7	7	15	0	2	4	7	35	41	47	2	3	12	8	113
March	32	31	0	0	13	0	76	0	0	0	0	1	0	1	6	4	1	0	4	0	15	4	12	1	0	3	5	25	42	47	2	0	21	5	117
April	28	23	0	0	12	0	63	0	0	0	0	0	0	0	5	3	1	0	2	0	11	8	9	2	0	0	4	23	41	35	3	0	14	4	97
May	29	28	2	0	7	1	67	1	0	0	0	0	0	1	6	2	0	0	3	0	11	11	15	0	0	2	4	32	47	45	2	0	12	5	111
June	24	28	0	0	10	0	62	0	0	0	0	0	0	0	5	3	0	0	2	0	10	6	18	0	1	2	7	34	35	49	0	1	14	7	106
July	25	25	5	0	9	0	64	2	1	0	0	0	0	3	3	1	0	0	9	1	14	8	16	0	0	6	5	35	38	43	5	0	24	6	116
August	22	32	1	1	12	1	69	0	0	0	0	1	0	1	7	2	1	0	3	1	14	8	6	0	0	4	10	28	37	40	2	1	20	12	112
September	23	24	2	0	12	0	61	0	0	0	0	0	0	0	4	4	0	0	4	0	12	6	7	0	0	3	5	21	33	35	2	0	19	5	94
October	33	32	1	0	10	1	77	0	0	0	0	1	0	1	1	5	0	0	3	0	9	10	13	0	0	4	7	34	44	50	1	0	18	8	121
November	37	43	0	0	14	0	94	0	0	0	0	0	0	0	5	0	0	0	1	0	6	9	9	0	0	3	13	34	51	52	0	0	18	13	134
December	33	28	0	1	11	0	73	0	0	0	0	0	0	0	8	4	0	0	3	0	15	11	20	0	0	4	4	39	52	52	0	1	18	4	127
Total	**346**	**367**	**13**	**3**	**123**	**3**	**855**	**4**	**2**	**0**	**0**	**3**	**0**	**9**	**56**	**30**	**3**	**0**	**38**	**4**	**131**	**102**	**155**	**3**	**4**	**38**	**78**	**380**	**508**	**554**	**19**	**7**	**202**	**85**	**1,375**

HOMICIDE AND SUICIDE FATALITIES BY MONTH

TABLE 8

	Homicide							Suicide							Totals						
Month	Cleveland	Other Cities	Villages	Townships	Out of County	Unknown	Total	Cleveland	Other Cities	Villages	Townships	Out of County	Unknown	Total	Cleveland	Other Cities	Villages	Townships	Out of County	Unknown	Grand Total
January	12	3	1	0	1	0	17	4	7	0	1	2	0	14	16	10	1	1	3	0	31
February	8	1	0	0	1	0	10	5	9	0	0	1	0	15	13	10	0	0	2	0	25
March	5	3	0	0	0	0	8	3	12	1	0	0	0	16	8	15	1	0	0	0	24
April	10	0	0	0	0	0	10	7	9	2	1	0	0	19	17	9	2	1	0	0	29
May	9	4	0	0	1	1	15	3	10	1	0	3	0	17	12	14	1	0	4	1	32
June	12	3	0	0	0	0	15	4	10	0	0	2	0	16	16	13	0	0	2	0	31
July	15	3	0	0	0	1	19	4	12	0	0	1	0	17	19	15	0	0	1	1	36
August	9	3	0	0	0	1	13	2	13	0	1	5	0	21	11	16	0	1	5	1	34
September	20	3	0	0	0	0	23	5	14	2	0	0	0	21	25	17	2	0	0	0	44
October	11	2	0	0	0	1	14	6	10	0	0	3	0	19	17	12	0	0	3	1	33
November	12	3	0	0	0	0	15	6	6	0	1	2	0	15	18	9	0	1	2	0	30
December	12	3	0	0	0	0	15	5	4	0	0	2	0	11	17	7	0	0	2	0	26
Total	**135**	**31**	**1**	**0**	**3**	**4**	**174**	**54**	**116**	**6**	**4**	**21**	**0**	**201**	**189**	**147**	**7**	**4**	**24**	**4**	**375**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HOUGH
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RESPECT
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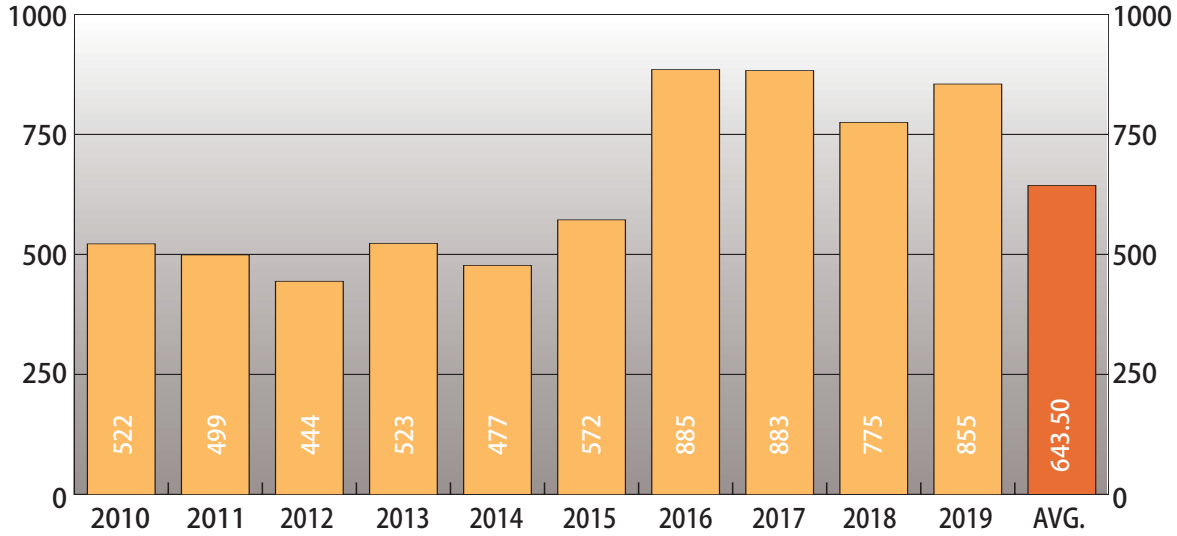
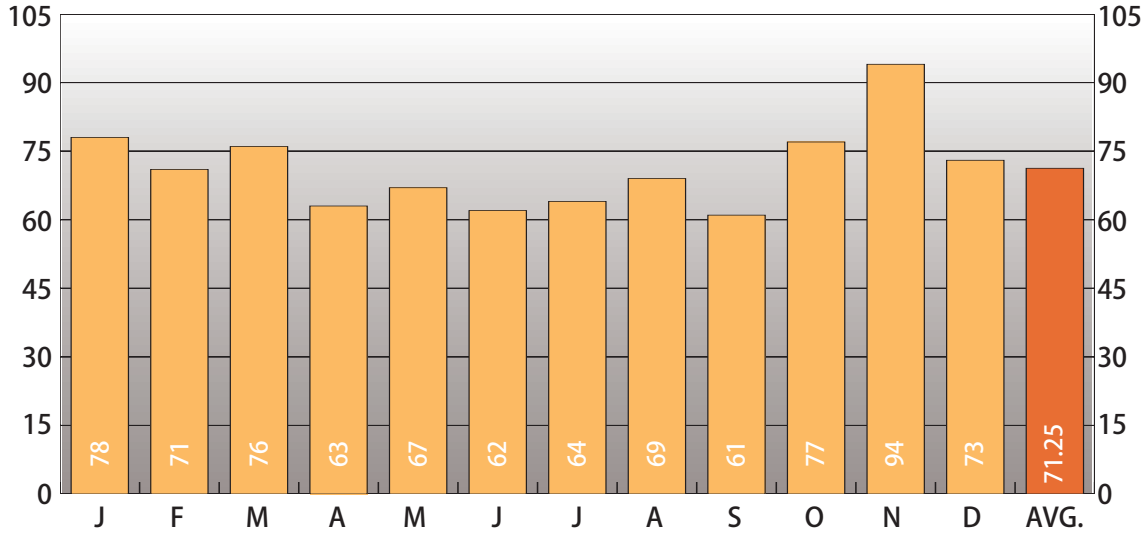
2019 FATALITIES RESULTING FROM ACCIDENTS IN THE HOME
FOR A PERIOD OF TEN YEARS



2019
TOTAL CASES
855

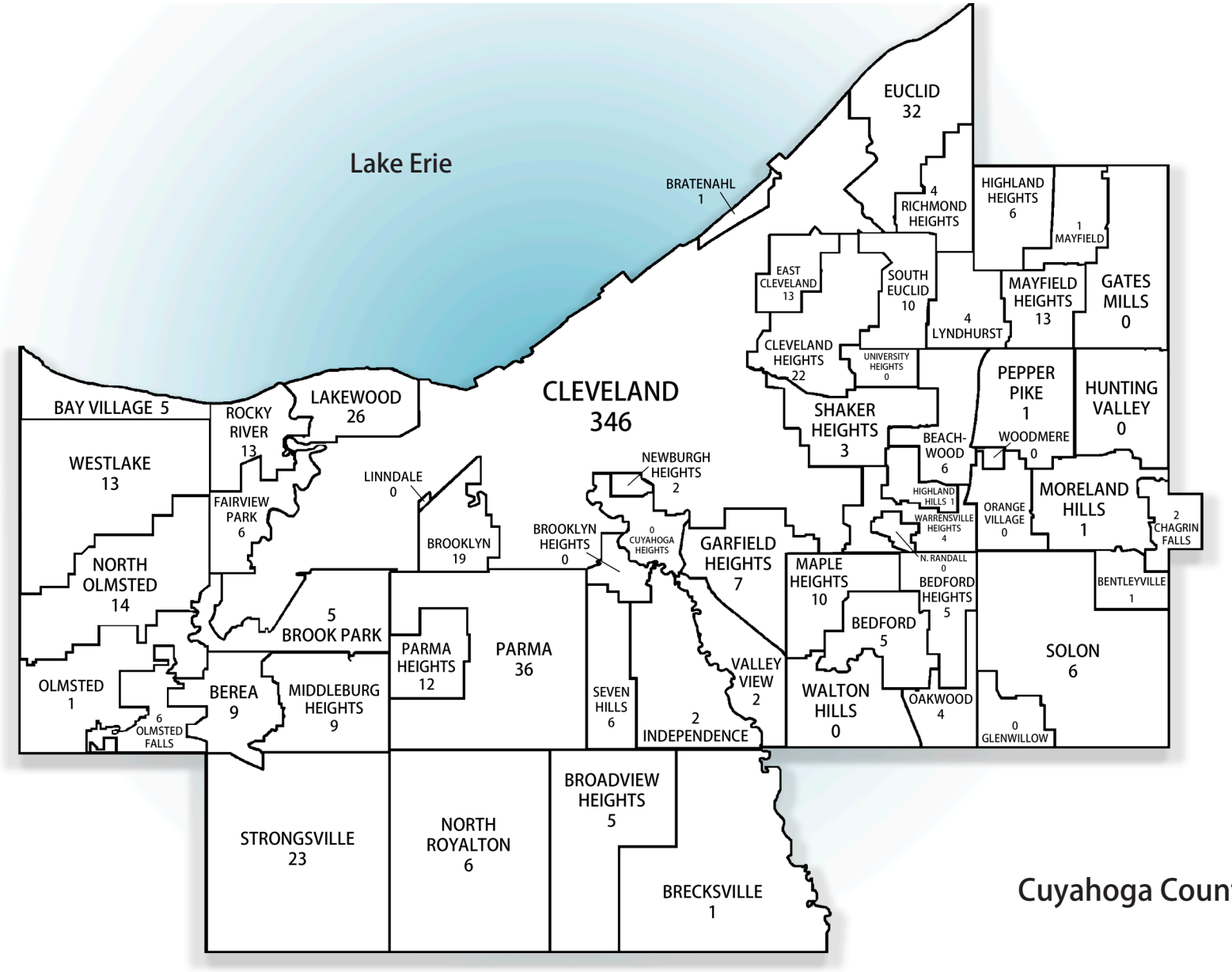
2019 FATALITIES RESULTING FROM ACCIDENTS IN THE HOME
BY MONTH FOR THE YEAR 2019



		Number	Percent
Gender	Male	497	56.16
	Female	358	40.45
Race	White	639	72.20
	Black	208	23.50
	Asian	7	0.79
	Other	1	0.11
Ethnicity	Hispanic	26	2.94
	Non-Hispanic	829	93.37
Ethanol	Tested	490	55.37
	Positive	163	33.27
Autopsied		432	48.81

MAP 2

DISTRIBUTION OF FATALITIES FROM ACCIDENTS IN THE HOME BY LOCATION OF INJURY*



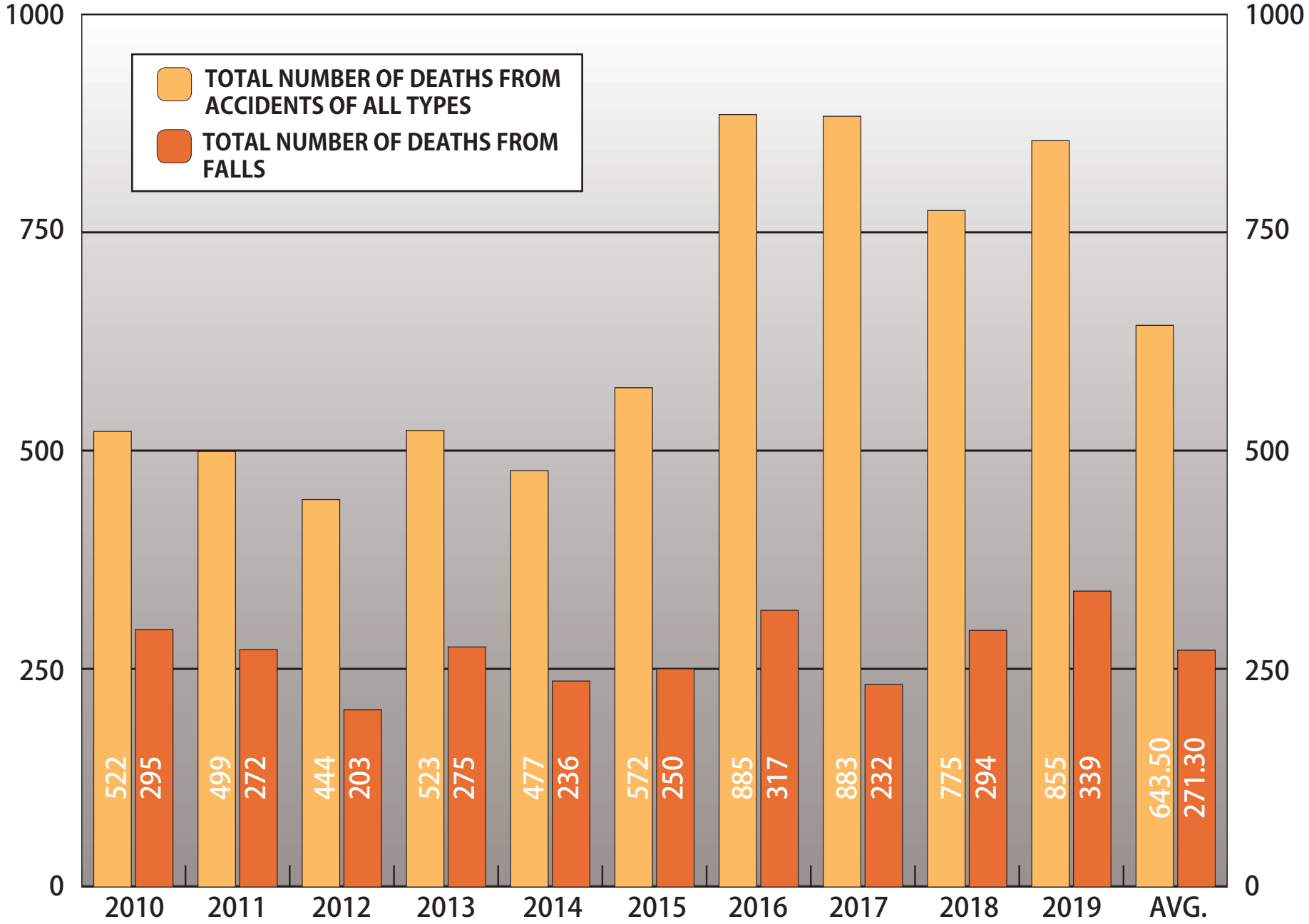
Cuyahoga County, Ohio

*Injury location is unknown for 4 cases and 104 cases are from outside of Cuyahoga County.

DISTRIBUTION OF FATALITIES FROM ACCIDENTS IN THE HOME BY LOCATION OF INJURY* (continued) MAP 2

Cities			
Cleveland	346	Maple Heights	10
Bay Village	5	Mayfield Heights	13
Beachwood	6	Middleburg Heights	9
Bedford	5	North Olmsted	14
Bedford Heights	5	North Royalton	6
Berea	9	Olmsted Falls	6
Brecksville	1	Parma	36
Broadview Heights	5	Parma Heights	12
Brooklyn	19	Pepper Pike	1
Brook Park	5	Richmond Heights	4
Cleveland Heights	22	Rocky River	13
East Cleveland	13	Seven Hills	6
Euclid	32	Shaker Heights	3
Fairview Park	6	Solon	6
Garfield Heights	7	South Euclid	10
Highland Heights	6	Strongsville	23
Independence	2	University Heights	0
Lakewood	26	Warrensville Heights	4
Lyndhurst	4	Westlake	13
Villages			
Bentleyville	1	Mayfield Village	1
Bratenahl	1	Moreland Hills	1
Brooklyn Heights	0	Newburgh Heights	2
Cuyahoga Heights	0	North Randall	0
Gates Mills	0	Oakwood Village	4
Glenwillow	0	Orange Village	0
Highland Hills	1	Valley View	2
Hunting Valley	0	Walton Hills	0
Linndale	0	Woodmere	0
Townships			
Chagrin Falls	2	Olmsted Township	1

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



MONTHLY ETHANOL INCIDENCE

TABLE 9

		Total		Cleveland		County		Out of County		Unknown		Not Tested		Tested						Stages					
														Total		Negative		Positive		≥0.01% - ≤ 0.079%		≥0.08% - < 0.17%		≥0.17%	
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.	78	51	27	20	8	23	19	8	0	0	0	17	13	34	14	25	10	9	4	5	1	3	1	1	2
Feb.	71	35	36	18	14	12	22	5	0	0	0	13	14	22	22	16	18	6	4	2	3	2	1	2	0
Mar.	76	47	29	24	8	17	14	6	7	0	0	13	20	34	9	20	7	14	2	9	2	2	0	3	0
Apr.	63	34	29	17	11	12	11	5	7	0	0	13	18	21	11	11	7	10	4	6	1	2	1	2	2
May	67	36	31	17	12	14	16	4	3	1	0	12	15	24	16	17	13	7	3	3	2	4	1	0	0
Jun.	62	34	28	16	8	13	15	5	5	0	0	13	17	21	11	11	7	10	4	6	2	3	1	1	1
July	64	35	29	15	10	16	14	4	5	0	0	13	18	22	11	14	9	8	2	7	1	1	1	0	0
Aug.	69	39	30	18	4	14	20	7	5	0	1	14	19	25	11	12	10	13	1	6	0	5	1	2	0
Sept.	61	32	29	17	6	11	15	4	8	0	0	8	17	24	12	15	1	9	11	3	4	5	4	1	3
Oct.	77	53	24	28	5	21	12	4	6	0	1	17	13	36	11	25	8	11	3	8	1	0	0	3	2
Nov.	94	57	37	23	14	27	16	7	7	0	0	22	20	35	17	24	13	11	4	5	2	2	0	4	2
Dec.	73	44	29	24	9	17	12	3	8	0	0	10	16	34	13	24	10	10	3	6	1	4	0	0	2
Total	**855**	**497**	**358**	**237**	**109**	**197**	**186**	**62**	**61**	**1**	**2**	**165**	**200**	**332**	**158**	**214**	**113**	**118**	**45**	**66**	**20**	**33**	**11**	**19**	**14**

TABLE 10

AGE - RACE - ETHNICITY - ETHANOL INCIDENCE

			Ethnicity		Not Tested		Tested						Stages					
							Total		Negative		Positive		≥0.01% - ≤ 0.079%		≥0.08% - < 0.17%		≥0.17%	
Age	Race	Total	Hispanic	Non-Hispanic	M	F	M	F	M	F	M	F	M	F	M	F	M	F
< 1 Year	White	2	0	2	0	1	1	0	1	0	0	0	0	0	0	0	0	0
	Black	13	0	13	1	1	5	6	5	6	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
	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1 - 4	White	1	0	1	0	0	0	1	0	1	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
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Other	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
	Black	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
	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 - 14	White	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	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
	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 - 19	White	2	0	2	0	0	2	0	2	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
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 - 24	White	10	1	9	0	0	10	0	8	0	2	0	2	0	0	0	0	0
	Black	2	0	2	0	0	1	1	1	1	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
	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 - 29	White	31	3	28	1	0	15	15	10	13	5	2	3	0	2	2	0	0
	Black	9	1	8	1	1	4	3	2	1	2	2	0	0	2	1	0	1
	Asian	1	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0
	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

AGE - RACE - ETHNICITY - ETHANOL INCIDENCE (continued)

TABLE 10

			Ethnicity		Not Tested		Tested						Stages					
							Total		Negative		Positive		≥0.01% - ≤ 0.079%		≥0.08% - < 0.17%		≥0.17%	
Age	Race	Total	Hispanic	Non-Hispanic	M	F	M	F	M	F	M	F	M	F	M	F	M	F
30 - 34	White	36	3	33	0	2	23	11	17	10	2	1	4	1	1	0	1	0
	Black	11	0	11	0	1	4	6	2	3	2	3	1	2	0	0	1	1
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 - 39	White	39	2	37	2	0	22	15	18	10	4	5	3	3	0	0	1	2
	Black	7	0	7	0	1	4	2	3	1	1	1	0	0	1	1	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 - 44	White	39	2	37	1	1	27	10	19	8	8	2	4	0	0	1	4	1
	Black	14	0	14	1	1	8	4	3	2	5	2	2	2	2	0	1	0
	Asian	1	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0
	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 - 49	White	34	3	31	1	1	25	7	17	5	8	2	2	1	4	0	2	1
	Black	8	0	8	0	1	4	3	3	2	1	1	0	1	1	0	0	0
	Asian	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 - 54	White	37	1	36	2	2	21	12	12	7	9	5	6	2	3	0	0	3
	Black	13	1	12	0	1	8	4	3	2	5	2	3	1	0	0	2	1
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Other	1	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0
55 - 59	White	50	6	44	4	2	30	14	17	9	13	5	9	3	3	0	1	2
	Black	28	0	28	1	3	17	7	8	5	9	2	6	0	1	1	2	1
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60 - 64	White	45	1	44	5	9	21	10	15	8	6	2	3	2	2	0	1	0
	Black	36	0	36	3	0	26	7	14	5	12	2	7	0	5	1	0	2
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 10 AGE - RACE - ETHNICITY - ETHANOL INCIDENCE (continued)

			Ethnicity		Not Tested		Tested						Stages					
							Total		Negative		Positive		≥0.01% - ≤ 0.079%		≥0.08% - < 0.17%		≥0.17%	
Age	Race	Total	Hispanic	Non-Hispanic	M	F	M	F	M	F	M	F	M	F	M	F	M	F
65 - 69	White	32	1	31	5	5	19	3	12	3	7	0	2	0	3	0	2	0
	Black	20	0	20	2	4	11	3	4	2	7	1	5	1	2	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70 - 74	White	38	0	38	18	11	6	3	5	1	1	2	1	1	0	1	0	0
	Black	12	0	12	1	3	7	1	4	0	3	1	3	0	0	1	0	0
	Asian	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75 - 79	White	43	1	42	21	19	2	1	1	0	1	1	0	0	1	1	0	0
	Black	6	0	6	3	0	1	2	1	2	0	0	0	0	0	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80 and Over	White	199	0	199	82	110	4	3	3	2	1	1	0	0	0	1	1	0
	Black	27	0	27	8	17	1	1	1	1	0	0	0	0	0	0	0	0
	Asian	2	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0
	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	White	639	24	615	143	163	228	105	157	77	71	28	39	13	19	6	13	9
	Black	208	2	206	21	34	102	51	55	34	47	17	27	7	14	5	6	5
	Asian	7	0	7	1	3	2	1	2	1	0	0	0	0	0	0	0	0
	Other	1	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0
Grand Total		**855**	**26**	**829**	**165**	**200**	**332**	**158**	**214**	**113**	**118**	**45**	**66**	**20**	**33**	**11**	**19**	**14**

MODE - ETHANOL INCIDENCE

TABLE 11

		Total		Cleveland		County		Out of County		Unknown		Not Tested		Tested						Stages					
														Total		Negative		Positive		≥0.01% - ≤ 0.079%		≥0.08% - < 0.17%		≥0.17%	
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
Asphyxia	37	18	19	6	8	11	10	1	1	0	0	4	7	14	12	13	11	1	1	0	0	0	0	1	1
Burning	4	3	1	1	1	2	0	0	0	0	0	2	1	1	0	1	0	0	0	0	0	0	0	0	0
Carbon Monoxide	11	7	4	4	2	3	2	0	0	0	0	3	3	4	1	3	1	1	0	0	0	0	0	1	0
Exposure	11	5	6	4	3	1	3	0	0	0	0	1	2	4	4	3	3	1	1	0	1	1	0	0	0
Falling	339	157	182	23	24	81	108	52	50	1	0	138	168	19	14	13	8	6	6	3	2	1	2	2	2
Miscellaneous	7	3	4	2	2	0	1	1	1	0	0	2	4	1	0	1	0	0	0	0	0	0	0	0	0
Poisoning	427	292	135	196	68	90	57	6	8	0	2	8	12	284	123	176	87	108	36	62	17	31	9	15	10
Undetermined	19	12	7	1	1	9	5	2	1	0	0	7	3	5	4	4	3	1	1	1	0	0	0	0	1
Total	**855**	**497**	**358**	**237**	**109**	**197**	**186**	**62**	**61**	**1**	**2**	**165**	**200**	**332**	**158**	**214**	**113**	**118**	**45**	**66**	**20**	**33**	**11**	**19**	**14**

TABLE 12

MODE* - ETHANOL INCIDENCE

		Total		Cleveland		County		Out of County		Unknown		Not Tested		Tested						Stages					
														Total		Negative		Positive		≥0.01% - ≤ 0.079%		≥0.08% - < 0.17%		≥0.17%	
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
Asphyxia:																									
Bolus of Food	6	2	4	1	1	1	3	0	0	0	0	2	3	0	1	0	1	0	0	0	0	0	0	0	0
Drowning	7	5	2	0	0	4	2	1	0	0	0	1	0	4	2	4	2	0	0	0	0	0	0	0	0
Foreign Object	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
Positional	7	2	5	0	3	2	2	0	0	0	0	0	2	2	3	1	2	1	1	0	0	0	0	1	1
Strangulation	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
Suffocation	15	8	7	5	4	3	3	0	0	0	0	1	1	7	6	7	6	0	0	0	0	0	0	0	0
Burning:																									
Fire/Explosion	3	3	0	1	0	2	0	0	0	0	0	2	0	1	0	1	0	0	0	0	0	0	0	0	0
Scalding	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
Carbom Monoxide:																									
Auto Exhaust	2	1	1	0	0	1	1	0	0	0	0	0	1	1	0	0	0	1	0	0	0	0	0	1	0
Fire	9	6	3	4	2	2	1	0	0	0	0	3	2	3	1	3	1	0	0	0	0	0	0	0	0
Exposure:																									
Cold	9	4	5	4	3	0	2	0	0	0	0	0	1	4	4	3	3	1	1	0	1	1	0	0	0
Heat	2	1	1	0	0	1	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
GrandTotal	**63**	**33**	**30**	**15**	**14**	**17**	**15**	**1**	**1**	**0**	**0**	**10**	**13**	**23**	**17**	**20**	**15**	**3**	**2**	**0**	**1**	**1**	**0**	**2**	**1**

***Does not include: falls, miscellaneous, poisoning or undetermined deaths.**

POISONINGS (OVERDOSES) - ETHANOL INCIDENCE

TABLE 13

		Total		Cleveland		County		Out of County		Unknown		Not Tested		Tested						Stages					
														Total		Negative		Positive		≥0.01% - ≤ 0.079%		≥0.08% - < 0.17%		≥0.17%	
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
Single Chemical Agent: 1, 1-Difluoroethane	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
Acetaminophen	4	0	4	0	0	0	1	0	3	0	0	0	3	0	1	0	1	0	0	0	0	0	0	0	0
Carfentanil	8	7	1	5	1	2	0	0	0	0	0	0	0	7	1	5	1	2	0	2	0	0	0	0	0
Cocaine	26	20	6	14	4	6	1	0	0	0	1	3	2	17	4	14	4	3	0	3	0	0	0	0	0
Ethanol	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
Ethylene Glycol	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
Fentanyl	16	13	3	8	0	4	3	1	0	0	0	1	0	12	3	10	3	2	0	2	0	0	0	0	0
Loperamide	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
Methamphetamine	4	2	2	2	1	0	1	0	0	0	0	0	1	2	1	1	1	1	0	1	0	0	0	0	0
Mitragynine	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
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
Unspecified Drug	2	0	2	0	0	0	0	0	1	0	1	0	1	0	1	0	1	0	0	0	0	0	0	0	0
Two or More Chemical Agents: 1, 1-Difluoroethane, Carfentanil, 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
1, 1-Difluoroethane, Cocaine, Isopropanol	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
3, 4-Methylenedioxymethamphetamine, Acetyl Fentanyl, Carfentanil, Fentanyl	1	1	0	0	0	0	0	1	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
Acetyl Fentanyl, Alprazolam, Fentanyl, Heroin, Methamphetamine	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
Acetyl Fentanyl, Alprazolam, Fentanyl, Heroin, Methoxyacetylfentanyl, 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
Acetyl Fentanyl, Benzyl Fentanyl, Carfentanil, Fentanyl, Heroin, Methamphetamine	1	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0
Acetyl Fentanyl, Butalbital, Fentanyl, Gabapentin	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
Acetyl Fentanyl, Carfentanil, Clonazepam, Doxepin, Fentanyl, Fluoxetine, Gabapentin, Lorazepam	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
Acetyl Fentanyl, Carfentanil, Clonazepam, Doxepin, Fentanyl, Fluoxetine, Trazodone	1	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0
Acetyl Fentanyl, Carfentanil, Cocaine, Cyclopropyl Fentanyl, 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
Acetyl Fentanyl, Carfentanil, Cocaine, Dextromethorphan, Diphenhydramine, Fentanyl, Lamotrigine	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
Acetyl Fentanyl, Carfentanil, Cocaine, Diphenhydramine, Fentanyl, Gabapentin, Heroin, Methamphetamine, 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
Acetyl Fentanyl, Carfentanil, Cocaine, Fentanyl	6	2	4	0	2	2	1	0	1	0	0	0	0	2	4	1	4	1	0	1	0	0	0	0	0
Acetyl Fentanyl, Carfentanil, Cocaine, Fentanyl, Fluoro Furanyl Fentanyl, Morphine, Oxycodone	1	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0

TABLE 13 POISONINGS (OVERDOSES) - ETHANOL INCIDENCE (continued)

		Total		Cleveland		County		Out of County		Unknown		Not Tested		Tested						Stages					
														Total		Negative		Positive		≥0.01% - ≤ 0.079%		≥0.08% - < 0.17%		≥0.17%	
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
Acetyl Fentanyl, Carfentanil, Cocaine, Fentanyl, Gabapentin	2	1	1	0	1	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0
Acetyl Fentanyl, Carfentanil, Cocaine, Fentanyl, Heroin	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0
Acetyl Fentanyl, Carfentanil, Cocaine, Fentanyl, Heroin, Tramadol, Valeryl 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
Acetyl Fentanyl, Carfentanil, Cocaine, Fentanyl, Heroin, Valeryl 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
Acetyl Fentanyl, Carfentanil, Diazepam, Fentanyl, Gabapentin, Heroin, Methadone	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
Acetyl Fentanyl, Carfentanil, Diazepam, Fentanyl, Gabapentin, 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
Acetyl Fentanyl, Carfentanil, Diphenhydramine, 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
Acetyl Fentanyl, Carfentanil, Etizolam, Fentanyl, Gabapentin, 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
Acetyl Fentanyl, Carfentanil, Fentanyl	2	2	0	2	0	0	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0
Acetyl Fentanyl, Carfentanil, Fentanyl, Fluoro Furanyl Fentanyl, Gabapentin, Heroin, Phenobarbital	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
Acetyl Fentanyl, Carfentanil, Fentanyl, Gabapentin	3	2	1	0	1	2	0	0	0	0	0	0	0	2	1	2	1	0	0	0	0	0	0	0	0
Acetyl Fentanyl, Carfentanil, Fentanyl, Gabapentin, 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
Acetyl Fentanyl, Carfentanil, Fentanyl, Gabapentin, Morphine	1	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0
Acetyl Fentanyl, Carfentanil, Fentanyl, Gabapentin, 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
Acetyl Fentanyl, Carfentanil, Fentanyl, Heroin	6	4	2	3	0	1	2	0	0	0	0	0	0	4	2	4	2	0	0	0	0	0	0	0	0
Acetyl Fentanyl, Carfentanil, Fentanyl, Heroin, Methamphetamine, Valeryl 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
Acetyl Fentanyl, Carfentanil, Fentanyl, Heroin, Valery 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
Acetyl Fentanyl, Cocaine, Fentanyl	2	2	0	2	0	0	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0
Acetyl Fentanyl, Cocaine, Fentanyl, Fluoro 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
Acetyl Fentanyl, Cocaine, Fentanyl, Fluoxetine, Gabapentin, Heroin, Methoxyacetylfentanyl	1	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0
Acetyl Fentanyl, Cocaine, Fentanyl, Heroin	2	1	1	1	0	0	1	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0
Acetyl Fentanyl, Cocaine, Fentanyl, Opiates, 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
Acetyl Fentanyl, Diphenhydramine, Fentanyl, Fluoxetine, Heroin, Lamotrigine, 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

POISONINGS (OVERDOSES) - ETHANOL INCIDENCE (continued)

TABLE 13

		Total		Cleveland		County		Out of County		Unknown		Not Tested		Tested						Stages					
														Total		Negative		Positive		≥0.01% - ≤ 0.079%		≥0.08% - < 0.17%		≥0.17%	
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
Acetyl Fentanyl, Fentanyl	3	0	3	0	1	0	1	0	1	0	0	0	0	0	3	0	2	0	1	0	1	0	0	0	0
Acetyl Fentanyl, Fentanyl, Heroin	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
Acetyl Fentanyl, Fentanyl, Heroin, Methoxy-acetylfentanyl	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
Acetyl Fentanyl, Fentanyl, 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
Acetyl Fentanyl, Fentanyl, Valeryl 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
Alprazolam, Amphetamine, Citalopram, Fentanyl, 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
Alprazolam, Amphetamine, Fentanyl, Fluoro Furanyl Fentanyl, Heroin, Methoxyacetylfentanyl	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
Alprazolam, Carfentanil	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
Alprazolam, Carfentanil, Diphenhydramine	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
Alprazolam, Carfentanil, Fentanyl	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
Alprazolam, Carfentanil, 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
Alprazolam, Carfentanil, Fentanyl, Heroin	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
Alprazolam, Carfentanil, Fluoxetine	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
Alprazolam, Cocaine, Dextromethorphan, 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
Alprazolam, Cocaine, Fentanyl	3	1	2	1	1	0	1	0	0	0	0	0	0	1	2	1	2	0	0	0	0	0	0	0	0
Alprazolam, Cocaine, Fentanyl, Heroin	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
Alprazolam, Cocaine, Fentanyl, Heroin, Sertraline, 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
Alprazolam, Diphenhydramine, Fentanyl, para-Fluoro 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
Alprazolam, 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
Alprazolam, Diphenhydramine, 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
Alprazolam, Doxepin, Oxycodone	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
Alprazolam, 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
Alprazolam, Fentanyl, Gabapentin	1	0	1	1	0	0	1	0	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0
Alprazolam, Fentanyl, Gabapentin, 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

TABLE 13
POISONINGS (OVERDOSES) - ETHANOL INCIDENCE (continued)

		Total		Cleveland		County		Out of County		Unknown		Not Tested		Tested						Stages					
														Total		Negative		Positive		≥0.01% - ≤ 0.079%		≥0.08% - < 0.17%		≥0.17%	
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
Alprazolam, Fluoxetine, Hydrocodone, Methadone	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Alprazolam, 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
Alprazolam, Opiates	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
Amitriptyline, Carfentanil, Cocaine, Fentanyl, Gabapentin, Pregabalin	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
Amitriptyline, Carfentanil, Fentanyl	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
Amitriptyline, Carfentanil, Gabapentin, 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
Amitriptyline, Cocaine, Fentanyl, Morphine, Sertraline	1	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0
Amphetamine, Buprenorphine, Citalopram, Gabapentin, Venlafaxine	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
Amphetamine, Carfentanil, Diazepam, Fentanyl, Heroin, Gabapentin	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
Amphetamine, Cocaine	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
Amphetamine, Fentanyl, Gabapentin, Trazodone	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
Benzodiazepines, Carfentanil, 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
Benzodiazepines, Carfentanil, Carisoprodol, Fentanyl, Methamphetamine, Morphine, Oxycodone, Tramadol, Valeryl 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
Benzodiazepines, Carfentanil, 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
Benzodiazepines, Cocaine, Fentanyl	1	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0
Benzodiazepines, 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
Buprenorphine, Clonazepam, Etizolam, Gabapentin, Trazodone	1	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0
Buspirone, Cyclobenzaprine, Gabapentin	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
Carfentanil, Citalopram, Diazepam, Fentanyl, Pregabalin	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
Carfentanil, Clonazepam, 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
Carfentanil, Cocaethylene, 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
Carfentanil, 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
Carfentanil, Cocaine, Diphenhydramine, 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
Carfentanil, Cocaine, Diphenhydramine, Fentanyl, Methamphetamine	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
Carfentanil, Cocaine, Fentanyl	4	4	0	2	0	2	0	0	0	0	0	0	0	4	0	4	0	0	0	0	0	0	0	0	0

POISONINGS (OVERDOSES) - ETHANOL INCIDENCE (continued)

TABLE 13

		Total		Cleveland		County		Out of County		Unknown		Not Tested		Tested						Stages					
														Total		Negative		Positive		≥0.01% - ≤ 0.079%		≥0.08% - < 0.17%		≥0.17%	
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
Carfentanil, Cocaine, Fentanyl, Gabapentin	1	1	0	1	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0
Carfentanil, Cocaine, Fentanyl, Gabapentin, Heroin	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Carfentanil, Cocaine, Fentanyl, Heroin	6	5	1	5	1	0	0	0	0	0	0	0	0	5	1	4	1	1	0	1	0	0	0	0	0
Carfentanil, Cocaine, Fentanyl, Methamphetamine	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
Carfentanil, Cocaine, 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
Carfentanil, Cocaine, 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
Carfentanil, Cyclopropyl Fentanyl, 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
Carfentanil, 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
Carfentanil, Diazepam, Fentanyl, Tramadol, Valeryl 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
Carfentanil, Diphenhydramine	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
Carfentanil, Diphenhydramine, Fentanyl	3	3	0	2	0	1	0	0	0	0	0	0	0	3	0	3	0	0	0	0	0	0	0	0	0
Carfentanil, 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
Carfentanil, Diphenhydramine, Fentanyl, Methadone, 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
Carfentanil, Diphenhydramine, Fentanyl, Methoxyacetylfentanyl	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
Carfentanil, Diphenhydramine, Fentanyl, Methoxyacetylfentanyl, Morphine, 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
Carfentanil, Diphenhydramine, Fentanyl, Phenobarbital	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
Carfentanil, Fentanyl	10	10	0	6	0	4	0	0	0	0	0	0	0	10	0	8	0	2	0	2	0	0	0	0	0
Carfentanil, Fentanyl, Fluoroisobutyryl 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
Carfentanil, Fentanyl, Fluoroisobutyryl 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
Carfentanil, Fentanyl, Gabapentin	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
Carfentanil, Fentanyl, Gabapentin, 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
Carfentanil, Fentanyl, Gabapentin, 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
Carfentanil, Fentanyl, Gabapentin, Heroin, Tramadol, Valeryl 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
Carfentanil, Fentanyl, Heroin	6	3	3	2	1	1	2	0	0	0	0	0	0	3	3	2	3	1	0	1	0	0	0	0	0
Carfentanil, Fentanyl, Lorazepam	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
Carfentanil, Fentanyl, Methamphetamine	3	3	0	2	0	1	0	0	0	0	0	0	0	3	0	3	0	0	0	0	0	0	0	0	0
Carfentanil, Fentanyl, Morphine	1	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0
Carfentanil, Heroin	2	1	1	1	0	0	1	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0

TABLE 13 POISONINGS (OVERDOSES) - ETHANOL INCIDENCE (continued)

		Total		Cleveland		County		Out of County		Unknown		Not Tested		Tested						Stages					
														Total		Negative		Positive		≥0.01% - ≤ 0.079%		≥0.08% - < 0.17%		≥0.17%	
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
Carfentanil, Heroin, 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
Carfentanil, Methamphetamine, Oxycodone	3	2	1	1	0	1	1	0	0	0	0	0	0	2	1	2	1	0	0	0	0	0	0	0	0
Carisoprodol, Fentanyl, Pregabalin, Trazodone	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
Citalopram, 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
Citalopram, Fentanyl, Valproic Acid	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
Citalopram, Gabapentin, Morphine, Temazepam, Trazodone	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
Clonazepam, 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
Cocaine, Cyclopropyl Fentanyl, Fentanyl, Heroin, Methoxyacetylfentanyl	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
Cocaine, Diazepam, 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
Cocaine, Diphenhydramine, Gabapentin, Nortriptyline	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
Cocaine, Diphenhydramine, Methoxyacetylfentanyl, Tramadol, Venlafaxine	1	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0
Cocaine, Fentanyl	12	7	5	5	2	2	3	0	0	0	0	0	0	7	5	6	5	1	0	1	0	0	0	0	0
Cocaine, Fentanyl, Gabapentin	3	3	0	2	0	0	0	1	0	0	0	1	0	2	0	2	0	0	0	0	0	0	0	0	0
Cocaine, Fentanyl, Gabapentin, Heroin, 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
Cocaine, 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
Cocaine, Fentanyl, Heroin, Methoxyacetylfentanyl, para-Fluoro Furanyl Fentanyl, Sertraline	1	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0
Cocaine, Fentanyl, Methamphetamine	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
Cocaine, Fentanyl, Opiates, 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
Cocaine, Flubromazolam, MDMA, 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
Cocaine, Gabapentin	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
Cocaine, Oxycodone	1	0	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
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
Diazepam, 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
Diazepam, Heroin	1	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0
Diazepam, Oxycodone	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0

POISONINGS (OVERDOSES) - ETHANOL INCIDENCE (continued)

TABLE 13

		Total		Cleveland		County		Out of County		Unknown		Not Tested		Tested						Stages					
														Total		Negative		Positive		≥0.01% - ≤ 0.079%		≥0.08% - < 0.17%		≥0.17%	
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
Diphenhydramine, Fentanyl, Methoxyacetylfentanyl	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
Diphenhydramine, 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
Escitalopram, Gabapentin, Tramadol, 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
Fentanyl, 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
Fentanyl, Gabapentin	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
Fentanyl, Gabapentin, 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
Fentanyl, Gabapentin, Heroin, Phenytoin	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
Fentanyl, Gabapentin, Lorazepam, 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
Fentanyl, Heroin	3	3	0	3	0	0	0	0	0	0	0	0	0	3	0	2	0	1	0	1	0	0	0	0	0
Fentanyl, Heroin, 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
Fentanyl, Methamphetamine	3	3	0	1	0	1	0	1	0	0	0	0	0	3	0	3	0	0	0	0	0	0	0	0	0
Fentanyl, Methamphetamine, Phenobarbital, 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
Fentanyl, Methoxy 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
Fentanyl, Morphine	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
Fentanyl, Morphine, 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
Fentanyl, 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
Fentanyl, Tramadol, Venlafaxine	1	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0
Gabapentin, Hydrocodone	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
Ketamine, Methamphetamine, Methylphenidate	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
Morphine, Trazadone	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
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
Combined Effects of Ethanol & Single/Multiple Chemical Agents: Acetyl Fentanyl, Butyryl Fentanyl, Carfentanil, Fentanyl, Heroin	1	0	1	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0
Acetyl Fentanyl, Carfentanil, Clonazepam, Diphenhydramine, Fentanyl, Gabapentin, Heroin, Lorazepam	1	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0
Acetyl Fentanyl, Carfentanil, Cocaethylene, Cocaine, Fentanyl	1	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0

TABLE 13 POISONINGS (OVERDOSES) - ETHANOL INCIDENCE (continued)

		Total		Cleveland		County		Out of County		Unknown		Not Tested		Tested						Stages					
														Total		Negative		Positive		≥0.01% - ≤ 0.079%		≥0.08% - < 0.17%		≥0.17%	
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
Acetyl Fentanyl, Carfentanil, Cocaine, Diphenhydramine, Fentanyl, Gabapentin, Heroin	0	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0
Acetyl Fentanyl, Carfentanil, Cocaine, Fentanyl	0	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0
Acetyl Fentanyl, Carfentanil, Cocaine, Fentanyl, Heroin	1	0	1	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0
Acetyl Fentanyl, Carfentanil, Cocaine, Fentanyl, Heroin, Oxycodone, Valeryl Fentanyl	1	0	1	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0
Acetyl Fentanyl, Carfentanil, Cocaine, Fentanyl, Lysergic Acid, Methamphetamine	1	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0
Acetyl Fentanyl, Carfentanil, Cocaine, Fentanyl, Methamphetamine	1	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0
Acetyl Fentanyl, Carfentanil, Cocaine, Fentanyl, Valeryl Fentanyl	0	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0
Acetyl Fentanyl, Carfentanil, Diphenhydramine, Fentanyl	1	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	1	0
Acetyl Fentanyl, Carfentanil, Fentanyl	2	1	3	2	1	0	0	0	0	0	0	0	0	2	1	0	0	2	1	1	0	1	1	0	0
Acetyl Fentanyl, Carfentanil, Fentanyl, Gabapentin, Mitragynine	0	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0
Acetyl Fentanyl, Carfentanil, Fentanyl, Heroin	1	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	1	0
Acetyl Fentanyl, Carfentanil, Fentanyl, Heroin, Valeryl Fentanyl	1	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0
Acetyl Fentanyl, Carfentanil, Fentanyl, Sertraline	1	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0
Acetyl Fentanyl, Cocaethylene, Cocaine, Fentanyl	1	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0
Acetyl Fentanyl, Cocaine, Diphenhydramine, Escitalopram, Fentanyl, Gabapentin, Trazodone	0	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0
Acetyl Fentanyl, Cocaine, Fentanyl	2	1	3	2	1	0	0	0	0	0	0	0	0	2	1	1	0	1	1	1	1	0	0	0	0
Acetyl Fentanyl, Cocaine, Fentanyl, Heroin	1	0	1	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0
Acetyl Fentanyl, Cocaine, Fentanyl, Trazodone	1	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0
Acetyl Fentanyl, Fentanyl	2	0	2	2	0	0	0	0	0	0	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0
Acetyl Fentanyl, Fentanyl, Heroin	1	1	2	1	0	0	1	0	0	0	0	0	0	1	1	0	1	1	0	1	0	0	0	0	0
Alprazolam, Carfentanil, Cocaine, Gabapentin, Heroin, Lorazepam, Methamphetamine	0	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0
Alprazolam, Carfentanil, Fentanyl	1	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0
Alprazolam, Clonazepam, Oxycodone, Zolpidem	0	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	1
Alprazolam, Cocaine, Codeine, Fentanyl, Oxycodone, Tramadol	0	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0
Amitriptyline, Gabapentin, Lamotrigine, Lorazepam	1	0	1	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0
Amphetamine, Diphenhydramine, Fentanyl	1	0	1	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0

POISONINGS (OVERDOSES) - ETHANOL INCIDENCE (continued)

TABLE 13

		Total		Cleveland		County		Out of County		Unknown		Not Tested		Tested						Stages					
														Total		Negative		Positive		≥0.01% - ≤ 0.079%		≥0.08% - < 0.17%		≥0.17%	
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
Benzodiazepines	0	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0
Carfentanil	1	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0
Carfentanil, Clonazepam, Cocaine, Diazepam, Methamphetamine	1	0	1	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
Carfentanil, Cocaine	4	4	8	3	2	1	2	0	0	0	0	0	0	4	4	0	0	4	4	2	2	1	0	1	2
Carfentanil, Cocaine, Fentanyl	4	1	5	4	1	0	0	0	0	0	0	0	0	4	1	1	0	3	1	2	0	1	0	0	1
Carfentanil, Cocaine, Fentanyl, Gabapentin	1	1	2	1	1	0	0	0	0	0	0	0	0	1	1	0	0	1	1	0	1	1	0	0	0
Carfentanil, Cocaine, Fentanyl, Gabapentin, Valeryl Fentanyl	1	0	1	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
Carfentanil, Cocaine, Fentanyl, Heroin	1	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0
Carfentanil, Cocaine, Fentanyl, Methamphetamine	1	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0
Carfentanil, Cocaine, Gabapentin, Heroin	1	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0
Carfentanil, Cocaine, Methamphetamine	1	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0
Carfentanil, Cocaine, Phencyclidine	1	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0
Carfentanil, Diazepam, Fentanyl, Fluoro Furanyl Fentanyl	1	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0
Carfentanil, Diphenhydramine, Fentanyl	1	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0
Carfentanil, Fentanyl	5	0	5	5	0	0	0	0	0	0	0	0	0	5	0	0	0	5	0	1	0	2	0	2	0
Carfentanil, Fentanyl, Fluoxetine, Heroin	1	0	1	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0
Carfentanil, Fentanyl, Heroin	3	0	3	3	0	0	0	0	0	0	0	0	0	3	0	0	0	3	0	1	0	2	0	0	0
Carfentanil, Fentanyl, Heroin, Methadone	1	0	1	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0
Carfentanil, Fentanyl, Heroin, Methamphetamine	1	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0
Carfentanil, Fentanyl, Heroin, Methoxyacetylfentanyl, Tapentadol, Valeryl Fentanyl	1	0	1	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0
Carfentanil, Fentanyl, Phencyclidine	1	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	1	0
Carfentanil, Flualprazolam	1	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0
Carfentanil, Gabapentin, Heroin	1	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0
Carfentanil, Gabapentin, Lorazepam	1	0	1	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0
Carfentanil, Gabapentin, Oxycodone	1	0	1	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0
Clonazepam, Fentanyl	1	0	1	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	1	0

TABLE 13 POISONINGS (OVERDOSES) - ETHANOL INCIDENCE (continued)

		Total		Cleveland		County		Out of County		Unknown		Not Tested		Tested						Stages					
														Total		Negative		Positive		≥0.01% - ≤ 0.079%		≥0.08% - < 0.17%		≥0.17%	
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
Cocaine	7	3	10	6	2	1	1	0	0	0	0	0	1	7	2	1	1	6	1	3	0	2	1	1	0
Cocaine, Diphenhydramine, Tramadol	0	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0
Cocaine, Fentanyl	6	6	12	3	5	3	1	0	0	0	0	1	0	5	6	0	0	5	6	3	2	1	3	1	1
Cocaine, Fentanyl, Fentanyl Analogs, Heroin, Phencyclidine	1	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0
Cocaine, Fentanyl, Venlafaxine	1	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0
Cocaine, Gabapentin	1	0	1	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
Cocaine, Heroin	0	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0
Codeine	0	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	1
Dextromethorphan, Fluoxetine, Loperamide	0	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0
Diazepam, Fentanyl	1	0	1	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0
Diazepam, Hydroxyzine, Phenobarbital	1	0	1	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	1	0
Fentanyl	6	4	10	3	1	2	3	1	0	0	0	1	0	5	4	0	0	5	4	0	1	4	1	1	2
Fentanyl, Heroin	3	0	3	3	0	0	0	0	0	0	0	0	0	3	0	0	0	3	0	1	0	0	0	2	0
Fentanyl, Paroxetine	1	0	1	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0
Fentanyl, Sertraline	0	1	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	1
Fluoroisobutyryl Fentanyl, Methamphetamine	1	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0
Methamphetamine	1	0	1	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0
Nordiazepam	1	0	1	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	1	0
Total	**391**	**236**	**227**	**196**	**68**	**90**	**57**	**6**	**8**	**0**	**2**	**8**	**12**	**284**	**123**	**176**	**87**	**108**	**36**	**62**	**17**	**31**	**9**	**15**	**10**

MODE - AGE GROUPS

TABLE 14

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	8	8	1	2	0	0	1	0	0	0	0	0	0	0	0	1	0	0	2	0	1	0	0	2	2	1	1	2	1	1	0	1	0	0	1	1	18	19	37
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	0	0	1	0	0	0	0	0	0	0	2	1	3	1	4
Carbon Monoxide	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	1	0	0	0	0	0	1	0	1	1	1	0	1	1	1	1	7	4	11
Exposure	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	3	1	0	1	1	0	1	0	0	1	0	2	5	6	11
Falling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	3	0	1	2	1	4	3	6	9	9	7	7	22	13	23	20	87	120	157	182	339
Miscellaneous	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	2	3	4	7
Poisoning	0	0	0	0	0	0	0	0	2	0	11	1	20	19	25	17	28	16	33	16	26	10	30	14	42	18	42	12	23	6	8	5	2	0	0	1	292	135	427
Undetermined	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	0	0	0	2	0	0	1	3	0	0	0	1	0	4	5	12	7	19
Total	**8**	**8**	**1**	**2**	**0**	**0**	**1**	**0**	**2**	**0**	**11**	**1**	**21**	**20**	**27**	**20**	**28**	**18**	**38**	**16**	**31**	**12**	**31**	**20**	**52**	**26**	**55**	**26**	**37**	**15**	**32**	**19**	**27**	**22**	**95**	**133**	**497**	**358**	**855**

TABLE 15 FALLS - ETHANOL INCIDENCE

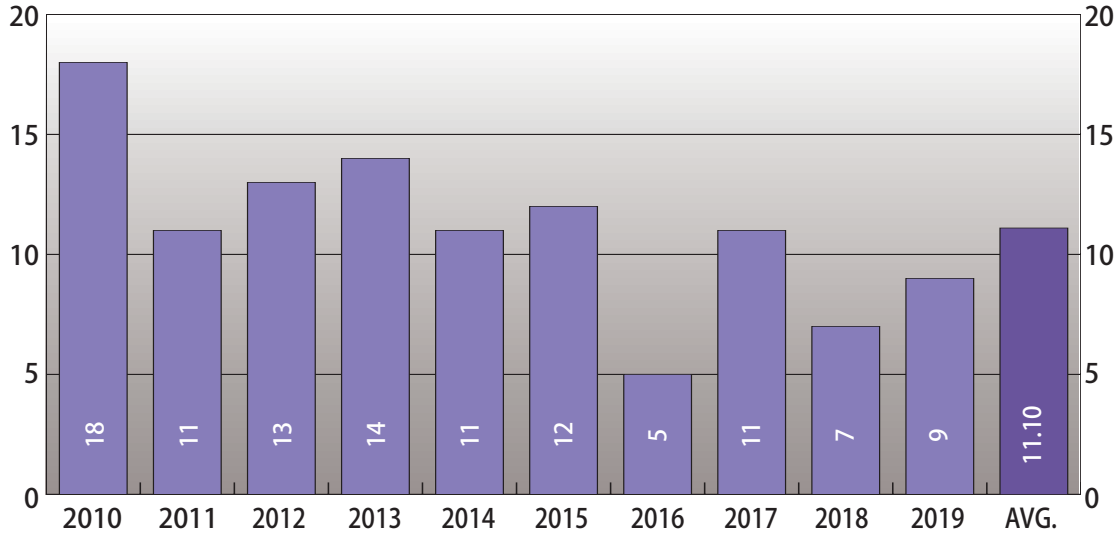
		Total		Not Tested		Tested						Stages					
						Total		Negative		Positive		≥0.01% - ≤ 0.079%		≥0.08% - < 0.17%		≥0.17%	
Falls by Type	Total	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Fall From Ladder or Scaffolding	4	3	1	2	1	1	0	1	0	0	0	0	0	0	0	0	0
Fall From One Level to Another	21	11	10	11	10	0	0	0	0	0	0	0	0	0	0	0	0
Fall From or Out of Building or Other Structure	2	1	1	0	0	1	1	1	1	0	0	0	0	0	0	0	0
Fall On or From Stairs or Steps	50	30	20	22	17	8	3	6	1	2	2	1	1	0	0	1	1
Fall On Same Level	237	101	136	95	128	6	8	4	5	2	3	1	1	1	1	0	1
Other and Unspecified Fall	25	11	14	8	12	3	2	1	1	2	1	1	0	0	1	1	0
Total	**339**	**157**	**182**	**138**	**168**	**19**	**14**	**13**	**8**	**6**	**6**	**3**	**2**	**1**	**2**	**2**	**2**

FALLS - AGE GROUPS

TABLE 16

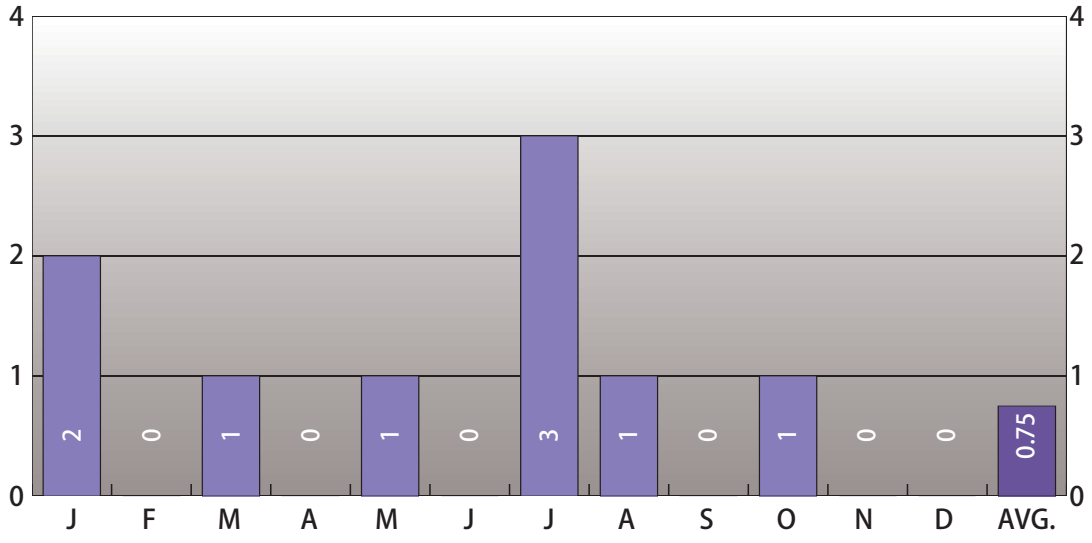
Falls by Type	< Than 1		1-4		5-9		10-14		15-19		20-24		25-29		30-34		35-39		40-44		45-49		50-54		55-59		60-64		65-69		70-74		75-79		80 and Over		Total		Grand Total
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
Fall On or From Stairs or Steps	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	0	0	1	0	3	1	2	2	0	6	2	4	1	15	10	30	20	50
Fall 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	0	0	0	0	0	0	1	0	1	1	1	0	3	1	4
Fall From or Out of Building or Other Structure	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	1	1	2
Fall From One Level to Another	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	2	0	0	0	1	0	1	2	6	8	11	10	21
Fall On Same Level	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	3	2	2	4	5	5	7	12	7	16	14	61	96	101	136	237
Other and Unspecified Fall	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	1	2	1	0	0	2	4	1	2	4	6	11	14	25
Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**1**	**3**	**0**	**1**	**2**	**1**	**4**	**3**	**6**	**9**	**9**	**7**	**7**	**22**	**13**	**23**	**20**	**87**	**120**	**157**	**182**	**339**

2019 FATALITIES RESULTING FROM ACCIDENTS WHILE AT WORK
FOR A PERIOD OF TEN YEARS



2019
TOTAL CASES
9

2019 FATALITIES RESULTING FROM ACCIDENTS WHILE AT WORK
BY MONTH FOR THE YEAR 2019



		Number	Percent
Gender	Male	9	100.00
	Female	0	0.00
Race	White	5	55.56
	Black	4	44.44
Ethnicity	Hispanic	0	0.00
	Non-Hispanic	9	100.00
Ethanol	Tested	7	77.78
	Positive	0	0.00
Autopsied		6	66.67

2019 FATALITIES RESULTING FROM ACCIDENTS WHILE AT WORK

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

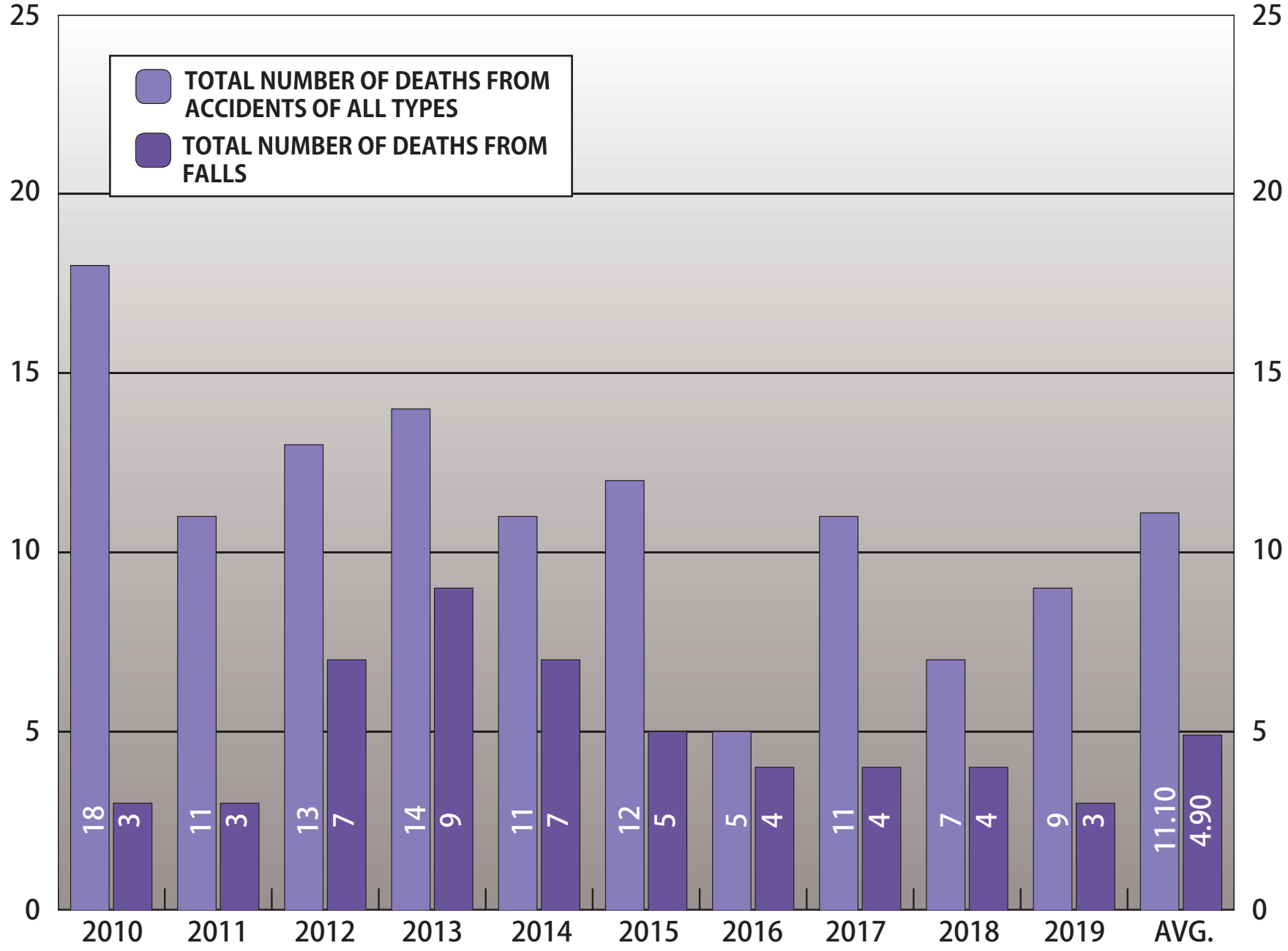


TABLE 17 MONTHLY ETHANOL INCIDENCE

		Total		Cleveland		County		Out of County		Unknown		Not Tested		Tested						Stages					
														Total		Negative		Positive		≥0.01% - ≤ 0.079%		≥0.08% - < 0.17%		≥0.17%	
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.	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
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
Mar.	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
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
May	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
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
July	3	3	0	2	0	1	0	0	0	0	0	0	0	3	0	3	0	0	0	0	0	0	0	0	0
Aug.	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
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
Oct.	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
Nov.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dec.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**9**	**9**	**0**	**4**	**0**	**2**	**0**	**3**	**0**	**0**	**0**	**2**	**0**	**7**	**0**	**7**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

AGE - RACE - ETHNICITY - ETHANOL INCIDENCE

TABLE 18

			Ethnicity		Not Tested		Tested						Stages					
							Total		Negative		Positive		≥0.01% - ≤ 0.079%		≥0.08% - < 0.17%		≥0.17%	
Age	Race	Total	Hispanic	Non-Hispanic	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
	Black	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
	Black	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
	Black	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
	Black	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 - 29	White	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	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
	Black	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0
35 - 39	White	1	0	1	0	0	1	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
40 - 44	White	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	0	0	0	0	0	0	0	0
45 - 49	White	1	0	1	0	0	1	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
50 - 54	White	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
55 - 59	White	2	0	2	1	0	1	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
60 - 64	White	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	2	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0
65 - 69	White	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
70 and Over	White	1	0	1	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
Total	White	5	0	5	2	0	3	0	0	0	0	0	0	0	0	0	0	0
	Black	4	0	4	0	0	4	0	0	0	0	0	0	0	0	0	0	0
Grand Total		**9**	**0**	**9**	**2**	**0**	**7**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

TABLE 19 MODE - ETHANOL INCIDENCE

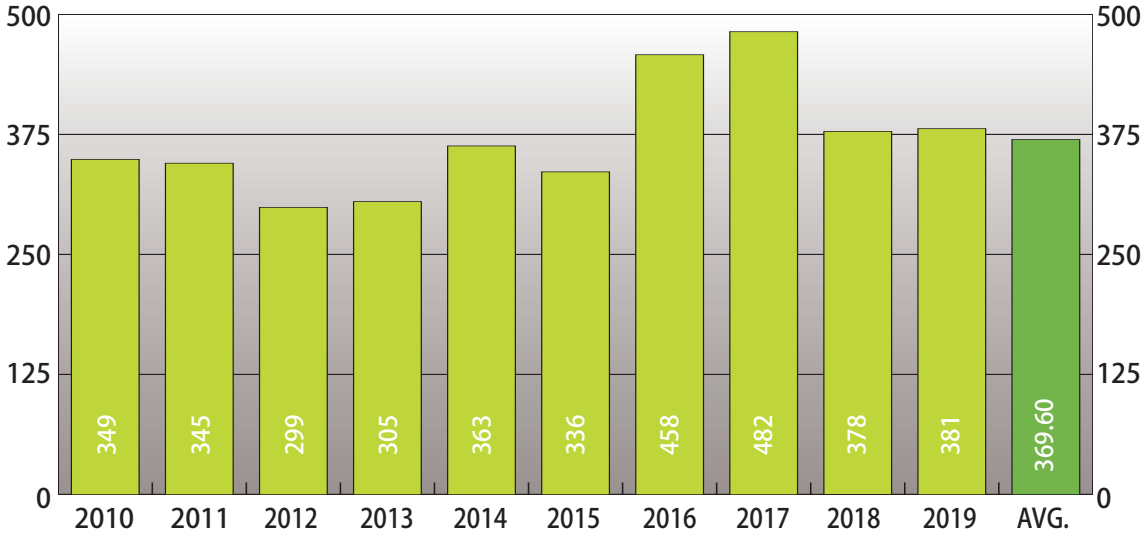
		Total		Cleveland		County		Out of County		Unknown		Not Tested		Tested						Stages					
														Total		Negative		Positive		0.01% - 0.04%		0.25% - 0.29%		0.30% or Over	
Mode	Total	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Falling: Fall From Ladder or Scaffolding	1	1	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Fall From or Out of Building or Other Structure	2	2	0	0	0	1	0	1	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0
Others: Asphyxia	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
Crushing	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
Miscellaneous	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
Poisoning (Overdose)	3	3	0	2	0	1	0	0	0	0	0	0	0	3	0	3	0	0	0	0	0	0	0	0	0
Total	9	9	0	4	0	2	0	3	0	0	0	2	0	7	0	7	0	0	0	0	0	0	0	0	0

MODE - AGE GROUPS

TABLE 20

Mode	13 and Under		14-17		18-19		20-24		25-29		30-34		35-39		40-44		45-49		50-54		55-59		60-64		65-69		70 and Over		Total		Grand Total
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
Falling: Fall From Ladder or Scaffolding	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	1
Fall From or Out of Building or Other Structure	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	2	0	2
Others: Asphyxia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	1
Crushing	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
Miscellaneous	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Poisoning (Overdose)	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	3	0	3
Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**1**	**0**	**1**	**0**	**1**	**0**	**0**	**0**	**2**	**0**	**2**	**0**	**0**	**0**	**1**	**0**	**9**	**0**	**9**

2019 FATALITIES RESULTING FROM ACCIDENTS IN OTHER PLACES
FOR A PERIOD OF TEN YEARS

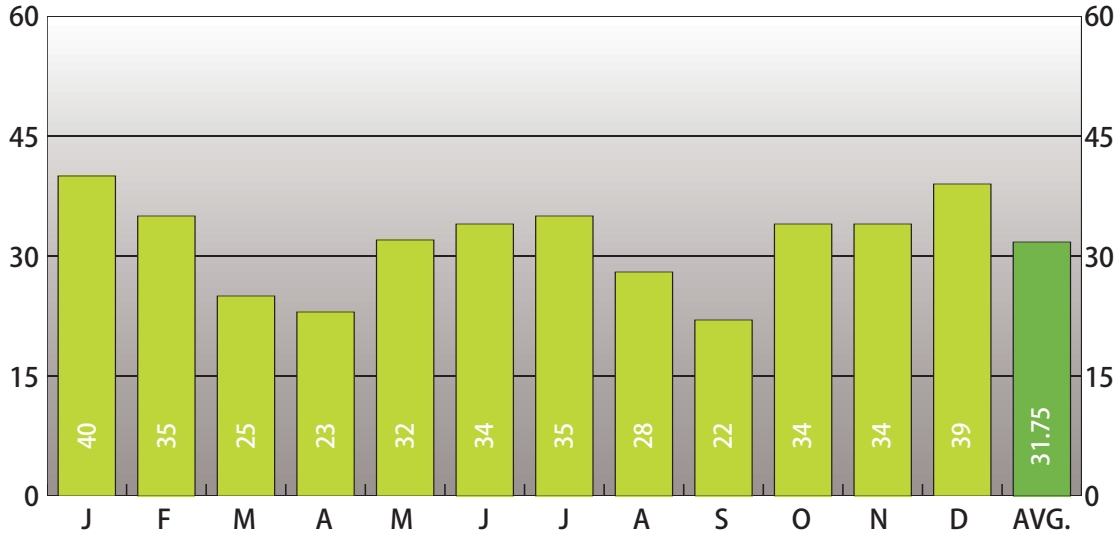


2019

TOTAL CASES

381

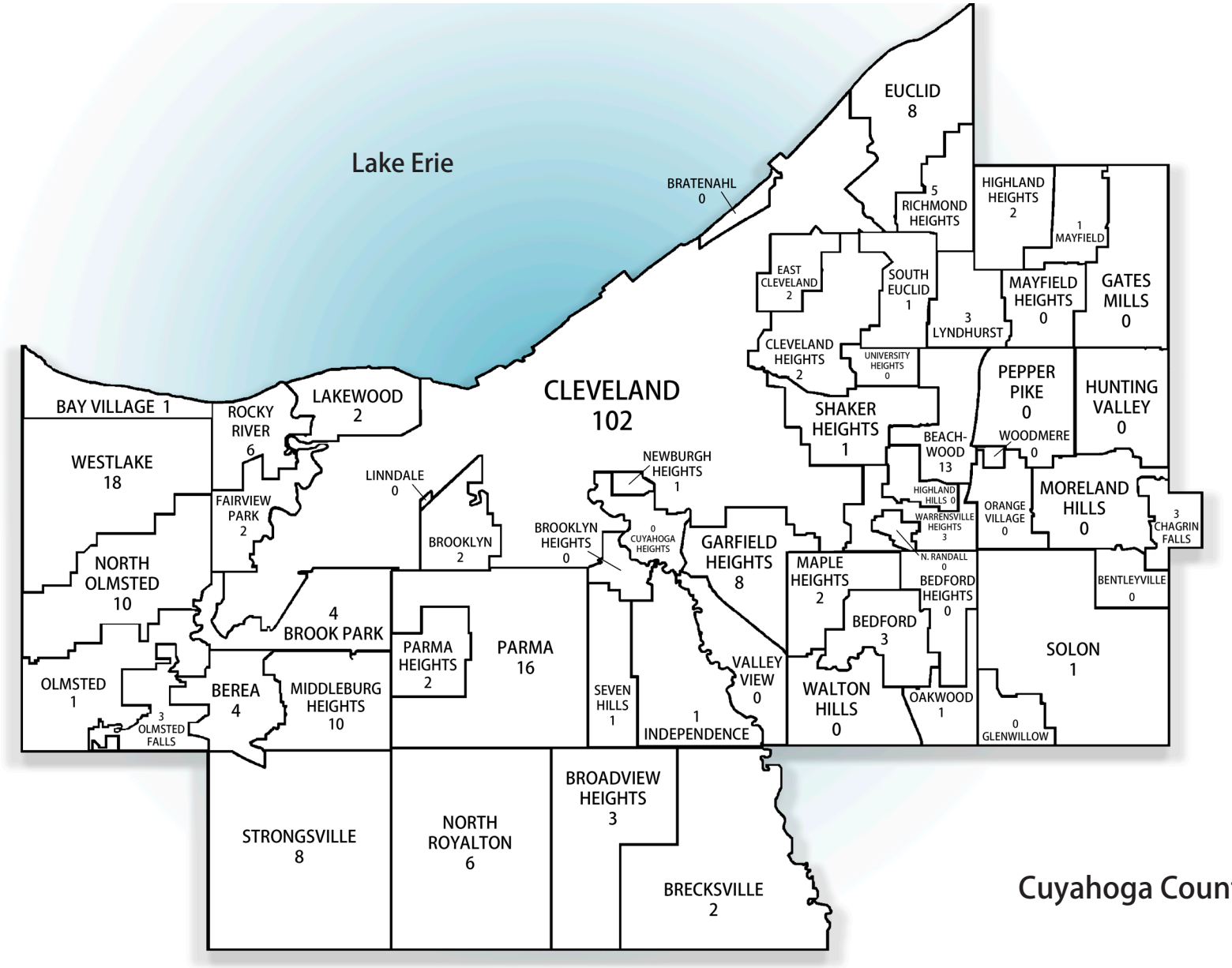
2019 FATALITIES RESULTING FROM ACCIDENTS IN OTHER PLACES
BY MONTH FOR THE YEAR 2019



		Number	Percent
Gender	Male	221	0.58
	Female	161	0.42
Race	White	291	0.76
	Black	87	0.23
	Asian	3	0.01
Ethnicity	Hispanic	6	0.02
	Non-Hispanic	375	0.98
Ethanol	Tested	153	0.40
	Positive	45	0.29
Autopsied		117	0.31

DISTRIBUTION OF FATALITIES FROM ACCIDENTS IN OTHER PLACES BY CITY*

MAP 3



Cuyahoga County, Ohio

*Injury location is unknown for 79 cases and 38 cases are from outside of Cuyahoga County.

MAP 3 DISTRIBUTION OF FATALITIES FROM ACCIDENTS IN OTHER PLACES BY CITY* (continued)

Cities			
Cleveland	102	Maple Heights	2
Bay Village	1	Mayfield Heights	0
Beachwood	13	Middleburg Heights	10
Bedford	3	North Olmsted	10
Bedford Heights	0	North Royalton	6
Berea	4	Olmsted Falls	3
Brecksville	2	Parma	16
Broadview Heights	3	Parma Heights	2
Brooklyn	2	Pepper Pike	0
Brook Park	4	Richmond Heights	5
Cleveland Heights	2	Rocky River	6
East Cleveland	2	Seven Hills	1
Euclid	8	Shaker Heights	1
Fairview Park	2	Solon	1
Garfield Heights	8	South Euclid	1
Highland Heights	2	Strongsville	8
Independence	1	University Heights	0
Lakewood	2	Warrensville Heights	3
Lyndhurst	3	Westlake	18
Villages			
Bentleyville	0	Mayfield Village	1
Bratenahl	0	Moreland Hills	0
Brooklyn Heights	0	Newburgh Heights	1
Cuyahoga Heights	0	North Randall	0
Gates Mills	0	Oakwood Village	1
Glenwillow	0	Orange Village	0
Highland Hills	0	Valley View	0
Hunting Valley	0	Walton Hills	0
Linndale	0	Woodmere	0
Townships			
Chagrin Falls	3	Olmsted Township	1

2019 FATALITIES RESULTING FROM ACCIDENTS IN OTHER PLACES

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

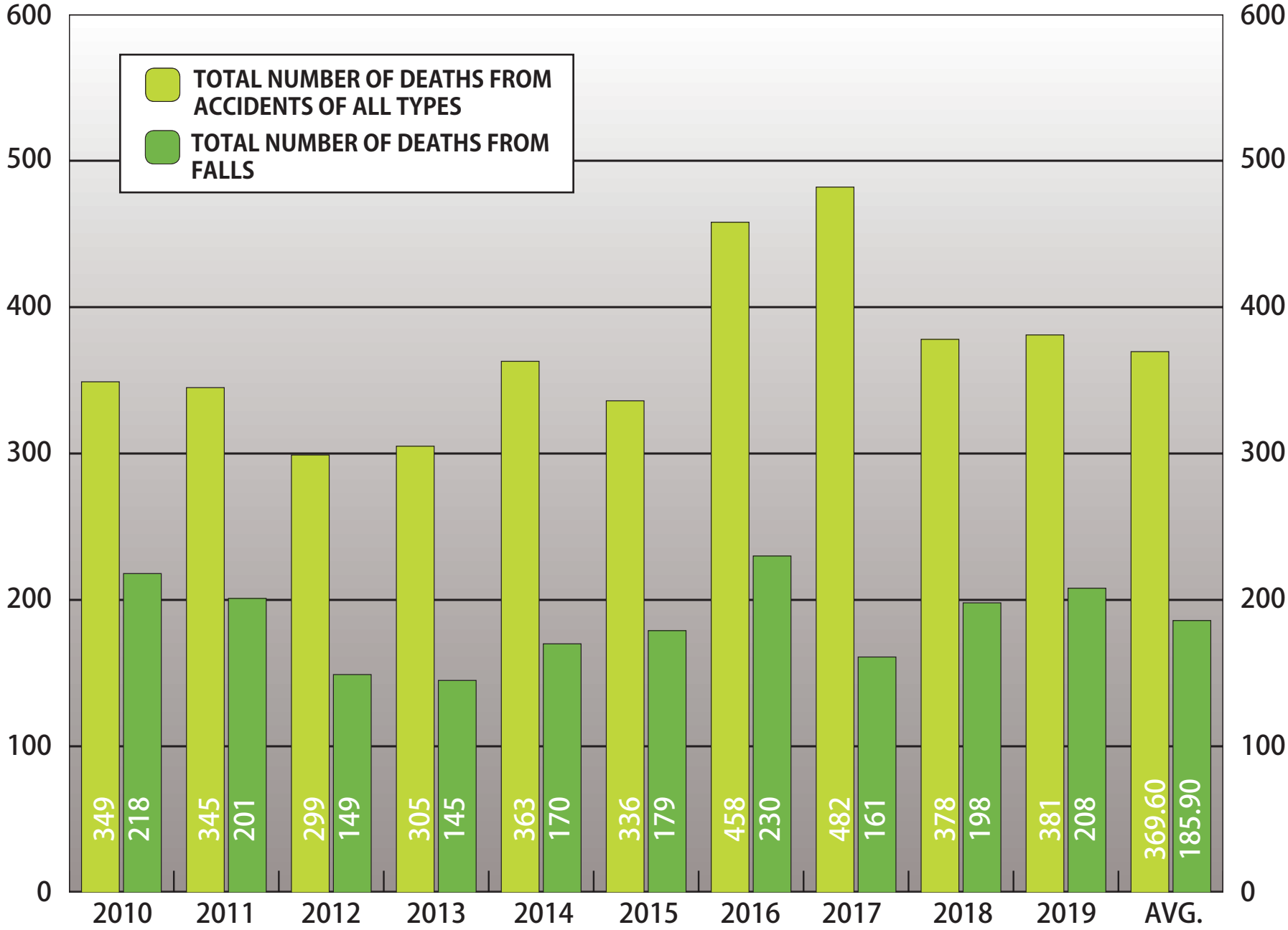


TABLE 21 MONTHLY ETHANOL INCIDENCE

		Total		Cleveland		County		Out of County		Unknown		Not Tested		Tested						Stages					
														Total		Negative		Positive		≥0.01% - ≤ 0.079%		≥0.08% - < 0.17%		≥0.17%	
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.	40	25	15	11	3	11	5	2	1	1	6	8	11	17	4	10	4	7	0	3	0	3	0	1	0
Feb.	35	19	16	5	2	7	10	2	2	5	2	11	14	8	2	7	1	1	1	0	0	0	0	1	1
Mar.	25	15	10	4	0	9	4	1	2	1	4	12	8	3	2	3	2	0	0	0	0	0	0	0	0
Apr.	23	14	9	7	1	4	7	0	0	3	1	5	8	9	1	6	1	3	0	2	0	1	0	0	0
May	32	18	14	9	2	3	12	2	0	4	0	6	12	12	2	8	2	4	0	4	0	0	0	0	0
Jun.	34	19	15	5	1	8	11	1	1	5	2	11	12	8	3	4	3	4	0	2	0	2	0	0	0
July	35	15	20	4	4	4	12	5	1	2	3	9	16	6	4	4	2	2	2	2	1	0	0	0	1
Aug.	28	18	10	6	2	1	5	4	0	7	3	7	7	11	3	5	2	6	1	4	1	2	0	0	0
Sept.	22	13	9	3	3	3	4	2	1	5	1	4	6	9	3	7	1	2	2	0	1	1	1	1	0
Oct.	34	22	12	8	2	8	5	2	2	4	3	11	7	11	5	7	3	4	2	2	1	1	1	1	0
Nov.	34	20	14	7	2	2	7	1	2	10	3	6	10	14	4	13	4	1	0	0	0	0	0	1	0
Dec.	39	22	17	10	1	8	12	1	3	3	1	11	16	11	1	8	1	3	0	3	0	0	0	0	0
Total	**381**	**220**	**161**	**79**	**23**	**68**	**94**	**23**	**15**	**50**	**29**	**101**	**127**	**119**	**34**	**82**	**26**	**37**	**8**	**22**	**4**	**10**	**2**	**5**	**2**

AGE - RACE - ETHNICITY - ETHANOL INCIDENCE

TABLE 22

			Ethnicity		Not Tested		Tested						Stages					
							Total		Negative		Positive		≥0.01% - ≤ 0.079%		≥0.08% - < 0.17%		≥0.17%	
Age	Race	Total	Hispanic	Non-Hispanic	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Under 1 Year	White	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	Asian	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
	Black	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
5 - 9	White	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
	Asian	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
	Black	1	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 22 AGE - RACE - ETHNICITY - ETHANOL INCIDENCE (continued)

			Ethnicity		Not Tested		Tested						Stages					
							Total		Negative		Positive		≥0.01% - ≤ 0.079%		≥0.08% - < 0.17%		≥0.17%	
Age	Race	Total	Hispanic	Non-Hispanic	M	F	M	F	M	F	M	F	M	F	M	F	M	F
15 - 19	White	1	0	1	0	0	0	1	0	1	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
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 - 24	White	8	0	8	0	1	4	3	2	3	2	0	0	0	1	1	1	0
	Black	3	0	3	0	0	2	1	1	1	1	0	0	0	1	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 - 29	White	14	0	14	3	1	9	1	8	0	1	1	1	1	0	0	0	0
	Black	5	0	5	0	0	5	0	3	0	2	0	1	0	0	1	1	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 - 34	White	13	1	12	1	0	9	3	8	2	1	1	0	0	1	0	0	1
	Black	3	0	3	1	0	0	2	0	2	0	0	0	0	0	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

AGE - RACE - ETHNICITY - ETHANOL INCIDENCE (continued)

TABLE 22

			Ethnicity		Not Tested		Tested						Stages					
							Total		Negative		Positive		≥0.01% - ≤ 0.079%		≥0.08% - < 0.17%		≥0.17%	
Age	Race	Total	Hispanic	Non-Hispanic	M	F	M	F	M	F	M	F	M	F	M	F	M	F
35 - 39	White	10	0	10	0	0	7	3	7	2	0	1	0	1	0	0	0	0
	Black	3	0	3	0	0	3	0	1	0	2	0	1	0	1	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 - 44	White	7	1	6	1	1	4	1	1	1	3	0	2	0	1	0	0	0
	Black	8	0	8	0	0	8	0	7	0	1	0	1	0	0	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 - 49	White	14	1	13	0	0	9	5	5	4	4	1	2	0	2	1	0	0
	Black	3	0	3	0	0	3	0	3	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
50 - 54	White	9	1	8	1	1	4	3	3	2	1	1	0	0	0	0	1	1
	Black	2	0	2	0	0	2	0	1	0	1	0	1	0	0	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 22 AGE - RACE - ETHNICITY - ETHANOL INCIDENCE (continued)

			Ethnicity		Not Tested		Tested						Stages					
							Total		Negative		Positive		≥0.01% - ≤ 0.079%		≥0.08% - < 0.17%		≥0.17%	
Age	Race	Total	Hispanic	Non-Hispanic	M	F	M	F	M	F	M	F	M	F	M	F	M	F
55 - 59	White	15	0	15	2	3	9	1	5	0	4	1	0	1	2	0	2	0
	Black	14	0	14	2	0	11	1	7	0	4	1	3	1	1	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60 - 64	White	15	2	13	6	3	5	1	4	1	1	0	1	0	0	0	0	0
	Black	11	0	11	3	0	4	4	2	4	2	0	2	0	0	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65 - 69	White	9	0	9	3	0	5	1	4	0	1	1	1	0	0	1	0	0
	Black	10	0	10	2	0	8	0	5	0	3	0	3	0	0	0	0	0
	Asian	1	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0
70 - 74	White	18	0	18	5	9	3	1	1	1	2	0	2	0	0	0	0	0
	Black	5	0	5	1	1	3	0	3	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

AGE - RACE - ETHNICITY - ETHANOL INCIDENCE (continued)

TABLE 22

			Ethnicity		Not Tested		Tested						Stages					
							Total		Negative		Positive		≥0.01% - ≤ 0.079%		≥0.08% - < 0.17%		≥0.17%	
Age	Race	Total	Hispanic	Non-Hispanic	M	F	M	F	M	F	M	F	M	F	M	F	M	F
75 - 79	White	15	0	15	10	4	1	0	0	0	1	0	1	0	0	0	0	0
	Black	4	0	4	2	2	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
80 and Over	White	143	0	143	51	91	0	1	0	1	0	0	0	0	0	0	0	0
	Black	14	0	14	5	9	0	0	0	0	0	0	0	0	0	0	0	0
	Asian	2	0	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0
Total	White	291	6	285	83	114	69	25	48	18	21	7	10	3	7	2	4	2
	Black	87	0	87	17	12	50	8	34	7	16	1	12	1	3	0	1	0
	Asian	3	0	3	1	1	0	1	0	1	0	0	0	0	0	0	0	0
Grand Total		**381**	**6**	**375**	**101**	**127**	**119**	**34**	**82**	**26**	**37**	**8**	**22**	**4**	**10**	**2**	**5**	**2**

TABLE 23 MODE - ETHANOL INCIDENCE

		Total		Cleveland		County		Out of County		Unknown		Not Tested		Tested						Stages					
														Total		Negative		Positive		≥0.01% - ≤ 0.079%		≥0.08% - < 0.17%		≥0.17%	
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
Asphyxia	20	13	7	7	3	4	3	2	1	0	0	3	3	10	4	9	3	1	1	1	1	0	0	0	0
Exposure	7	6	1	3	0	3	1	0	0	0	0	1	0	5	1	4	1	1	0	0	0	1	0	0	0
Falling	208	94	114	20	9	41	77	15	12	18	16	86	112	8	2	6	1	2	1	1	0	0	1	1	0
Miscellaneous	8	4	4	1	1	2	1	0	1	1	1	1	2	3	2	2	2	1	0	0	0	0	0	1	0
Poisoning	126	99	27	45	10	18	5	6	0	30	12	8	3	91	24	60	18	31	6	19	3	9	1	3	2
Undetermined	12	4	8	3	0	0	7	0	1	1	0	2	7	2	1	1	1	1	0	1	0	0	0	0	0
Total	**381**	**220**	**161**	**79**	**23**	**68**	**94**	**23**	**15**	**50**	**29**	**101**	**127**	**119**	**34**	**82**	**26**	**37**	**8**	**22**	**4**	**10**	**2**	**5**	**2**

MODE* - ETHANOL INCIDENCE

TABLE 24

		Total		Cleveland		County		Out of County		Unknown		Not Tested		Tested						Stages					
														Total		Negative		Positive		≥0.01% - ≤ 0.079%		≥0.08% - < 0.17%		≥0.17%	
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
Asphyxia: Bolus of Food	9	5	4	0	1	4	2	1	1	0	0	3	3	2	1	2	1	0	0	0	0	0	0	0	0
Drowning	11	8	3	7	2	0	1	1	0	0	0	0	0	8	3	7	2	1	1	1	1	0	0	0	0
Total	**20**	**13**	**7**	**7**	**3**	**4**	**3**	**2**	**1**	**0**	**0**	**3**	**3**	**10**	**4**	**9**	**3**	**1**	**1**	**1**	**1**	**0**	**0**	**0**	**0**
Exposure: Cold	7	6	1	3	0	3	1	0	0	0	0	1	0	5	1	4	1	1	0	0	0	1	0	0	0
Total	**7**	**6**	**1**	**3**	**0**	**3**	**1**	**0**	**0**	**0**	**0**	**1**	**0**	**5**	**1**	**4**	**1**	**1**	**0**	**0**	**0**	**1**	**0**	**0**	**0**

***Does not include: falls, miscellaneous, poisoning or undetermined deaths.**

TABLE 25

MODE* - ETHANOL INCIDENCE

		Total		Cleveland		County		Out of County		Unknown		Not Tested		Tested						Stages					
														Total		Negative		Positive		≥0.01% - ≤ 0.79%		≥0.08% - < 0.17%		≥0.17%	
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**
Single Chemical Agent: Acetaminophen	1	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Carfentanil	1	1	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
Cocaine	9	7	2	2	0	1	0	1	0	3	2	5	0	2	2	1	2	1	0	1	0	0	0	0	0
Ethanol	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
Fentanyl	6	5	1	2	0	0	0	1	0	2	1	1	0	4	1	4	1	0	0	0	0	0	0	0	0
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
Hydromorphone	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
Methamphetamine	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
Phencyclidine	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
Unspecified Drug	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
Two or More Chemical Agents: 3-Methylfentanyl, 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
Acetyl Fentanyl, Alprazolam, Amphetamine, 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
Acetyl Fentanyl, Carfentanil, Citalopram, Fentanyl, Gabapentin, Sertraline, 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
Acetyl Fentanyl, Carfentanil, Fentanyl	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
Acetyl Fentanyl, Carfentanil, Fentanyl, Gabapentin	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
Acetyl Fentanyl, Carfentanil, Fentanyl, Valery/Isovaleryl/Pivaloyl 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
Acetyl Fentanyl, Cocaine, Fentanyl, Heroin	2	1	1	0	0	0	0	0	0	1	1	0	0	1	1	1	1	0	0	0	0	0	0	0	0
Acetyl Fentanyl, Cocaine, Fentanyl, Heroin, 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
Acetyl Fentanyl, Fentanyl	4	4	0	3	0	0	0	0	0	1	0	0	0	4	0	4	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	1	0	0	0	0	0	0	0	0	0
Acetyl Fentanyl, 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
Alprazolam, Carfentanil, Cocaine	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
Amphetamine, Cocaine, Diazepam, Fentanyl	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
Buprenorphine, Gabapentin, Methadone, Mirtazapine	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
Buprenorphine, Gabapentin, Methamphetamine	1	1	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
Carfentanil, Citalopram	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
Carfentanil, Clonazepam, Fentanyl, Gabapentin, Lorazepam, Mitragynine	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
Carfentanil, Cocaine	3	2	1	1	0	0	0	0	0	1	1	0	0	2	1	2	1	0	0	0	0	0	0	0	0
Carfentanil, Cocaine, Fentanyl, Gabapentin	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
Carfentanil, Cocaine, Fentanyl, Gabapentin, Phencyclidine, Sertraline, Trazodone	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

MODE* - ETHANOL INCIDENCE (continued)

TABLE 25

		Total		Cleveland		County		Out of County		Unknown		Not Tested		Tested						Stages					
														Total		Negative		Positive		0.01% - 0.04%		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
Carfentanil, Cocaine, Heroin, Trazodone	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
Carfentanil, Diphenhydramine, 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
Carfentanil, Fentanyl	4	4	0	1	0	1	0	1	0	1	0	0	0	4	0	4	0	0	0	0	0	0	0	0	0
Carfentanil, Fentanyl, Fentanyl Analogues, 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
Carfentanil, Fentanyl, Fluoroisobutyryl Fentanyl, Methoxyacetylfentanyl	1	1	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
Carfentanil, Fentanyl, Gabapentin	2	1	1	0	0	1	1	0	0	0	0	0	0	1	1	0	1	1	0	1	0	0	0	0	0
Carfentanil, Fentanyl, Heroin	2	1	1	0	0	0	0	0	0	1	1	0	0	1	1	1	0	0	1	0	1	0	0	0	0
Carfentanil, Fentanyl, Heroin, Valeryl/Isovaleryl/Pivaloyl 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
Carfentanil, Fentanyl, Methamphetamine	1	1	0	0	0	0	0	1	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
Citalopram, Diazepam, Hydromorphone, Morphine, 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
Cocaine, Diphenhydramine, 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
Cocaine, Fentanyl	3	3	0	2	0	0	0	0	0	1	0	1	0	2	0	2	0	0	0	0	0	0	0	0	0
Cocaine, Fentanyl, Gabapentin, 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
Cocaine, Fentanyl, Methylfentanyl	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
Cocaine, Fentanyl, para-Fluoro 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
Cocaine, Gabapentin	2	2	0	1	0	0	0	0	0	1	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0
Cocaine, Methamphetamine	1	1	0	0	0	0	0	1	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
Cocaine, Opioids	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
Cocaine, Phencyclidine	2	2	0	1	0	0	0	0	0	1	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0
Cyclobenzaprine, Fentanyl, Gabapentin, 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
Diphenhydramine, 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
Fentanyl, Gabapentin, Methadone, 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
Fentanyl, 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
Fentanyl, Heroin, Valeryl 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
Fentanyl, 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
Fentanyl, Tramadol	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
Combined Effects of Ethanol & Single/Multiple Chemical Agents: Acetyl Fentanyl, Carfentanil, Clonazepam, Cocaine, Fentanyl, Fluoxetine, 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
Acetyl Fentanyl, Carfentanil, Cocaine, Codeine, Fentanyl, Trazodone	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
Acetyl Fentanyl, Carfentanil, Cocaine, Fentanyl	2	1	1	0	0	1	1	0	0	0	0	0	0	1	1	0	1	1	0	1	0	0	0	0	0

TABLE 25

MODE* - ETHANOL INCIDENCE (continued)

		Total		Cleveland		County		Out of County		Unknown		Not Tested		Tested						Stages					
														Total		Negative		Positive		≥0.01% - ≤ 0.79%		≥0.08% - < 0.17%		≥0.17%	
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
Acetyl Fentanyl, Carfentanil, Cocaine, 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
Alprazolam, Cocaine, Fentanyl	1	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0
Amphetamine, Carfentanil, Oxycodone	1	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0
Amphetamine, Clonazepam, Cocaine, Fentanyl, Fluoxetine	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
Carfentanil	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
Carfentanil, Cocaine	1	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0
Carfentanil, Cocaine, Diphenhydramine, Fentanyl, Gabapentin	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0
Carfentanil, Cocaine, Fentanyl, Gabapentin	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0
Carfentanil, Cocaine, Fentanyl, Gabapentin, 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
Carfentanil, Cocaine, Gabapentin	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
Carfentanil, Fentanyl	1	1	0	0	2	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	0	0	1	0
Cocaine	9	7	2	4	0	1	0	1	0	1	0	0	0	7	2	3	1	4	1	4	1	0	0	0	0
Cocaine, Fentanyl	2	2	0	0	0	1	0	0	0	1	0	0	0	2	0	0	0	2	0	2	0	0	0	0	0
Cocaine, Fentanyl, 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
Cocaine, Phencyclidine	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
Ethanol, Acetyl Fentanyl, Carfentanil, Cocaine, Fentanyl, Isopropanol	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
Ethanol, Acetyl Fentanyl, Carfentanil, Fentanyl	1	0	1	1	1	0	0	0	0	0	0	0	0	1	1	0	0	1	1	0	1	1	0	0	0
Ethanol, Acetyl Fentanyl, Cocaine, Fentanyl	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ethanol, Alprazolam, Carfentanil, Cocaine, Heroin	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
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
Fentanyl, Heroin	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	1	0
Fentanyl, Valeryl/Isovaleryl/Pivaloyl 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
Heroin	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
Phencyclidine	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
Phenobarbital	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
Quetiapine	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
Total	**126**	**99**	**27**	**45**	**10**	**18**	**5**	**6**	**0**	**30**	**12**	**8**	**3**	**91**	**24**	**60**	**18**	**31**	**6**	**19**	**3**	**9**	**1**	**3**	**2**

MODE - AGE GROUPS

TABLE 26

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	1	1	0	0	0	1	0	0	0	2	0	1	0	1	0	3	2	0	0	0	1	1	1	2	0	0	2	13	7	20
Exposure	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	2	0	1	0	1	0	0	0	0	0	0	0	6	1	7
Falling	0	0	0	0	0	0	0	0	0	0	1	0	2	0	0	0	0	0	0	0	1	0	0	1	5	1	4	4	7	1	7	9	10	6	57	92	94	114	208
Miscellaneous	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	0	0	0	0	1	0	0	0	1	2	0	0	0	0	0	0	0	0	1	4	4	8
Poisoning	1	0	0	0	0	0	0	0	0	0	2	4	15	2	10	5	9	3	9	2	10	3	5	3	14	1	10	4	10	0	4	0	0	0	0	0	99	27	126
Undetermined	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	0	7	4	8	12
Total	**1**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**1**	**6**	**5**	**17**	**2**	**11**	**5**	**10**	**3**	**13**	**2**	**12**	**5**	**7**	**4**	**24**	**5**	**18**	**8**	**18**	**2**	**12**	**11**	**13**	**6**	**57**	**102**	**220**	**161**	**381**

TABLE 27 FALLS - ETHANOL INCIDENCE

		Total		Not Tested		Tested						Stages					
						Total		Negative		Positive		≥0.01% - ≤ 0.79%		≥0.08% - < 0.17%		≥0.17%	
Falls by Type	Total	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Fall From One Level to Another	11	3	8	2	8	1	0	1	0	0	0	0	0	0	0	0	0
Fall From or Out of Building or Other Structure	7	5	2	2	2	3	0	2	0	1	0	0	0	0	0	1	0
Fall On or From Stairs or Steps	4	2	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0
Fall On Same Level	158	65	93	63	91	2	2	2	1	0	1	0	0	0	1	0	0
Other and Unspecified Fall	28	19	9	17	9	2	0	1	0	1	0	1	0	0	0	0	0
Total	**208**	**94**	**114**	**86**	**112**	**8**	**2**	**6**	**1**	**2**	**1**	**1**	**0**	**0**	**1**	**1**	**0**

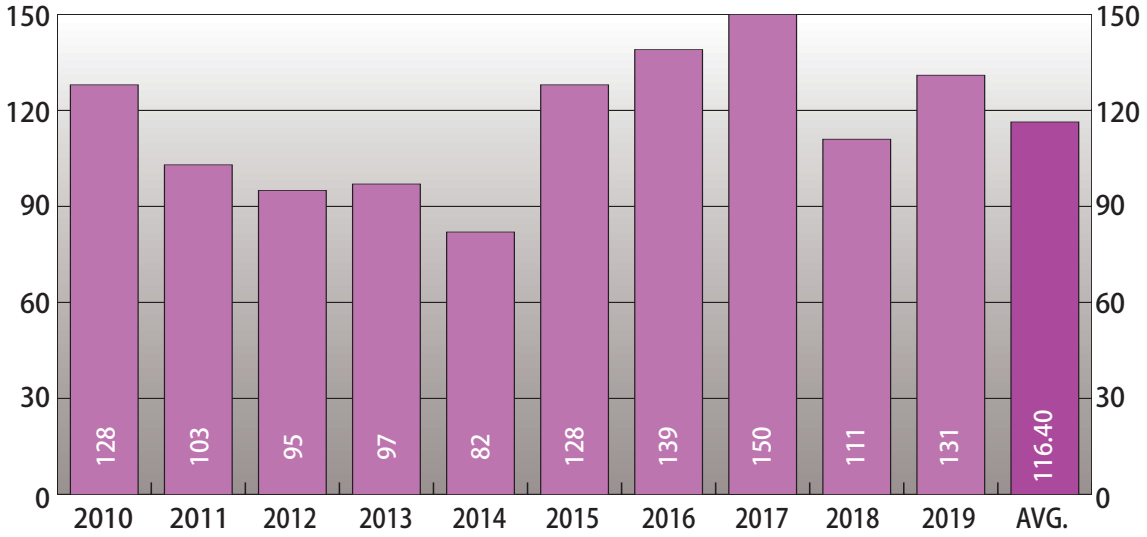
FALLS - AGE GROUPS

TABLE 28

Falls by Type	< Than 1		1-4		5-9		10-14		15-19		20-24		25-29		30-34		35-39		40-44		45-49		50-54		55-59		60-64		65-69		70-74		75-79		80 and Over		Total		Grand Total
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
Fall From One Level to Another	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	1	6	3	8	11
Fall From or Out of Building or Other Structure	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	2	0	0	0	0	0	0	0	0	0	1	2	5	2	7
Fall On or From Stairs or Steps	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	2	2	4
Fall On Same Level	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	3	1	2	3	4	1	4	6	9	4	42	77	65	93	158
Other and Unspecified Fall	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	3	0	1	1	1	2	12	6	19	9	28
Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**1**	**5**	**1**	**4**	**4**	**7**	**1**	**7**	**9**	**10**	**6**	**57**	**92**	**94**	**114**	**208**

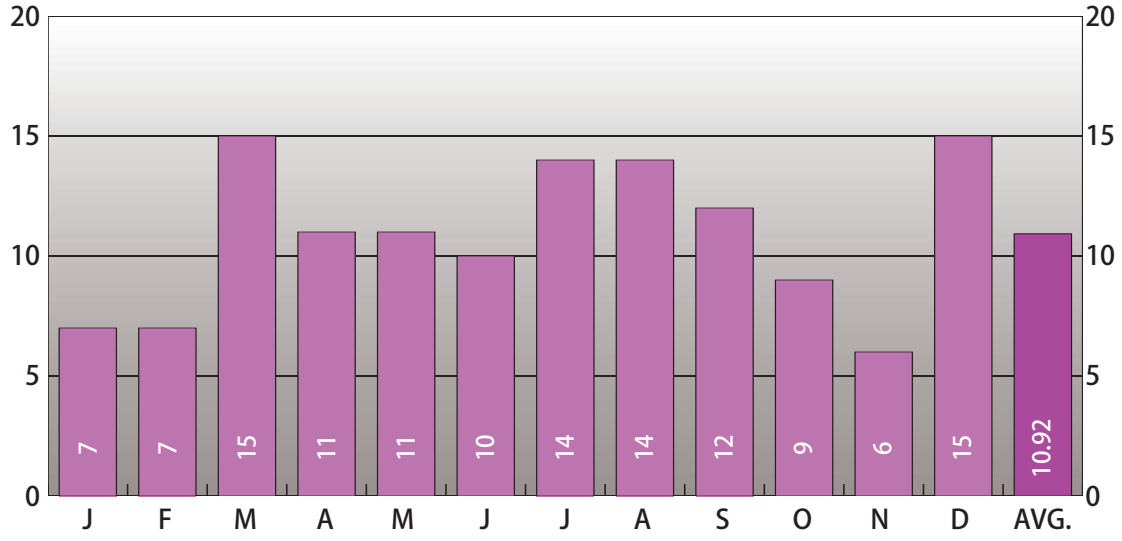
Photograph by G. Wilson

2019 VEHICULAR FATALITIES
FOR A PERIOD OF TEN YEARS



2019
TOTAL CASES
131

2019 VEHICULAR FATALITIES
BY MONTH FOR THE YEAR 2019



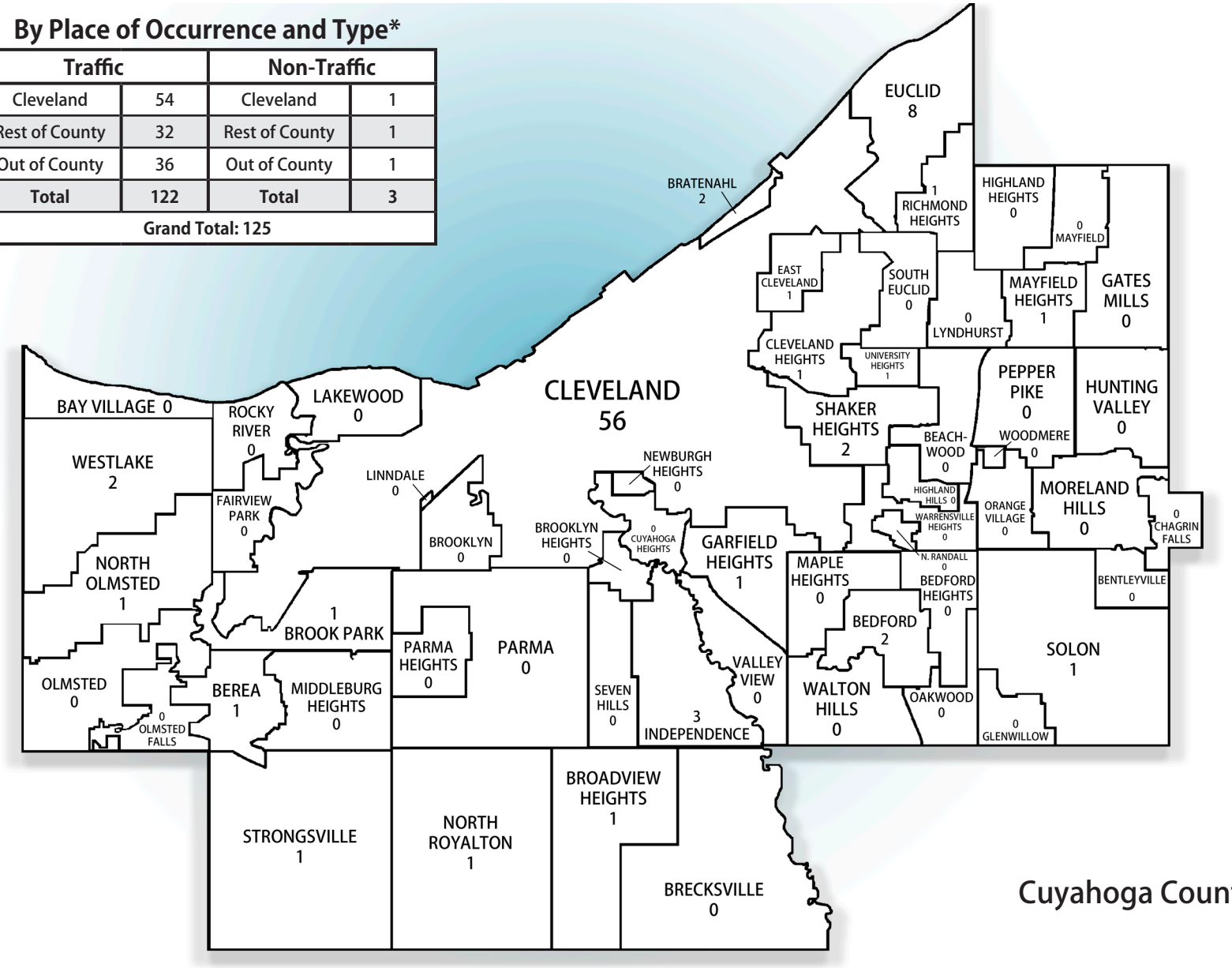
		Number	Percent
Gender	Male	97	0.74
	Female	34	0.26
Race	White	75	0.57
	Black	55	0.42
	Asian	1	0.01
Ethnicity	Hispanic	9	0.07
	Non-Hispanic	122	0.93
Ethanol	Tested	89	0.68
	Positive	48	0.54
Autopsied		60	0.46

MAP 4

DISTRIBUTION OF VEHICULAR FATALITIES BY LOCATION OF INJURY*

By Place of Occurrence and Type*

Traffic		Non-Traffic	
Cleveland	54	Cleveland	1
Rest of County	32	Rest of County	1
Out of County	36	Out of County	1
Total	**122**	**Total**	**3**
Grand Total: 125			



Cuyahoga County, Ohio

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

DISTRIBUTION OF VEHICULAR FATALITIES BY LOCATION OF INJURY*

MAP 4

Cities			
Cleveland	56	Maple Heights	0
Bay Village	0	Mayfield Heights	1
Beachwood	0	Middleburg Heights	0
Bedford	2	North Olmsted	1
Bedford Heights	0	North Royalton	1
Berea	1	Olmsted Falls	0
Brecksville	0	Parma	0
Broadview Heights	1	Parma Heights	0
Brooklyn	0	Pepper Pike	0
Brook Park	1	Richmond Heights	1
Cleveland Heights	1	Rocky River	0
East Cleveland	1	Seven Hills	0
Euclid	8	Shaker Heights	2
Fairview Park	0	Solon	1
Garfield Heights	1	South Euclid	0
Highland Heights	0	Strongsville	1
Independence	3	University Heights	1
Lakewood	0	Warrensville Heights	0
Lyndhurst	0	Westlake	2
Villages			
Bentleyville	0	Mayfield Village	0
Bratenahl	2	Moreland Hills	0
Brooklyn Heights	0	Newburgh Heights	0
Cuyahoga Heights	0	North Randall	0
Gates Mills	0	Oakwood Village	0
Glenwillow	0	Orange Village	0
Highland Hills	0	Valley View	0
Hunting Valley	0	Walton Hills	1
Linndale	0	Woodmere	0
Townships			
Chagrin Falls	0	Olmsted Township	0

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

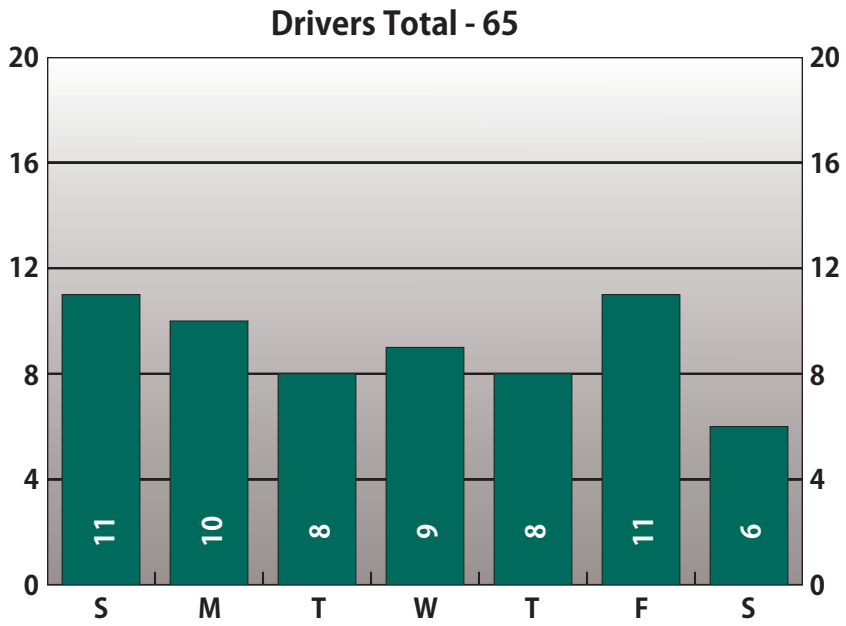
Body Weight in Pounds

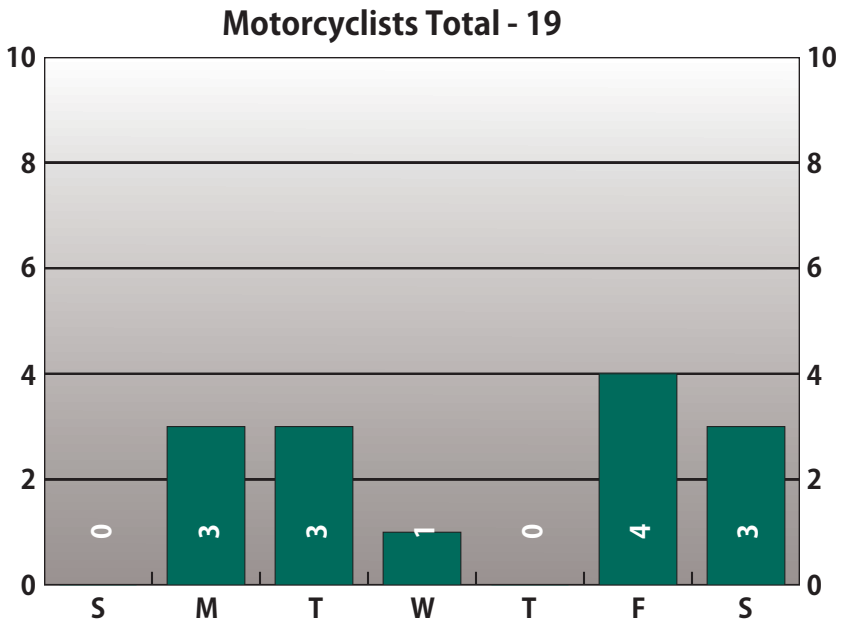
Please Note: This chart represents estimated blood concentrations for average individuals. It is not meant to be taken as a guide to alcohol consumption.

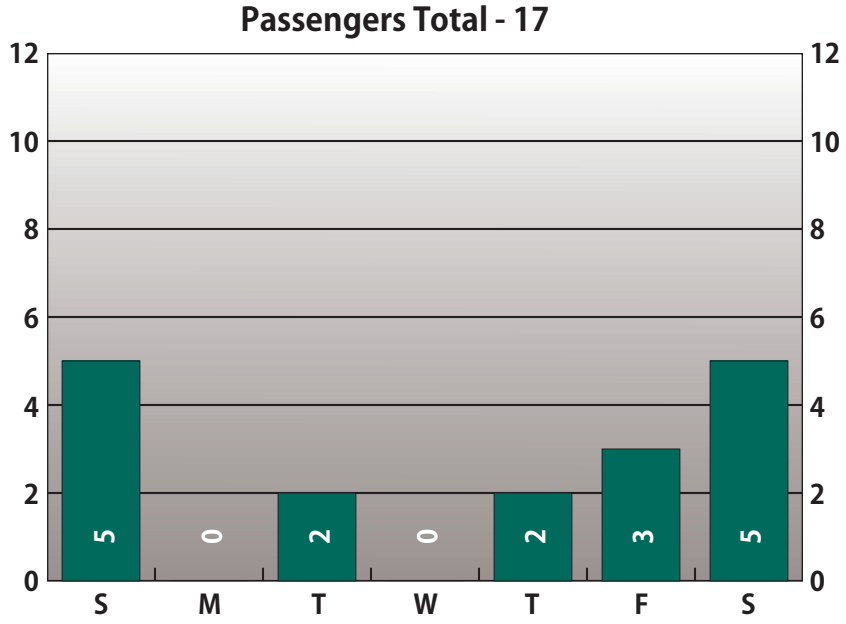
*A drink is defined as 1.25 ounces of 80 proof liquor (whiskey, vodka, gin, etc.), 12 ounces of beer or 5 ounces of wine.

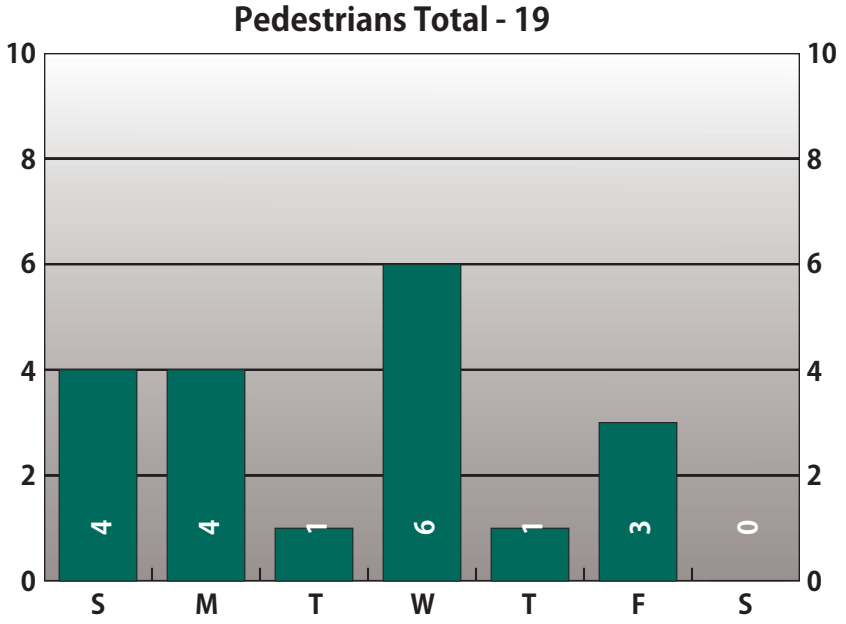
From: Virginia Polytechnic Institute and State University (http://www.alcohol.vt.edu/Students/alcoholEffects/estimatingBAC/index.htm)

DAILY INCIDENCE - MAJOR CLASSIFICATIONS





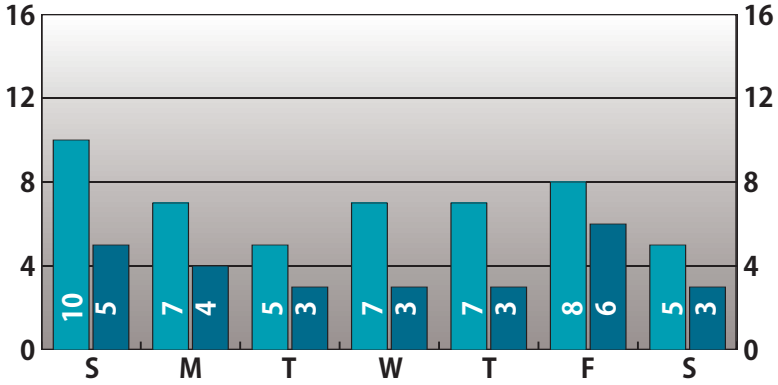




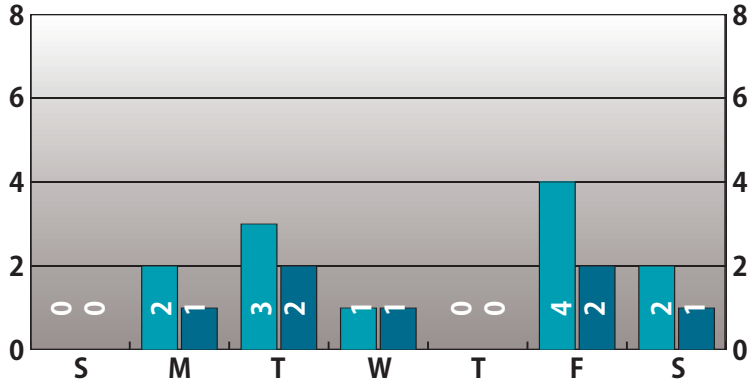
*Injury date and/or classification is unknown for 7 cases.

DAILY ETHANOL INCIDENCE - MAJOR CLASSIFICATIONS

Drivers

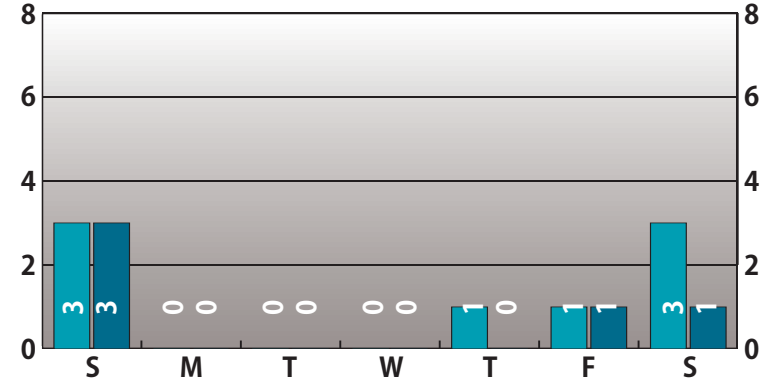


Motorcyclists

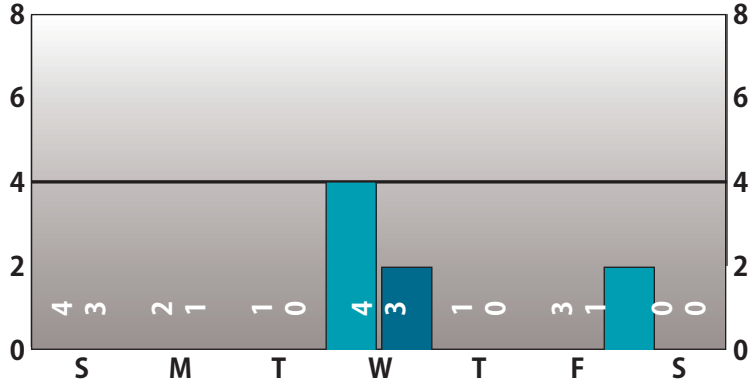


	Tested	Positive
Drivers	49	27
Motorcyclists	12	7
Passengers	8	5
Pedestrian	15	8
Total	**84**	**47**

Passengers

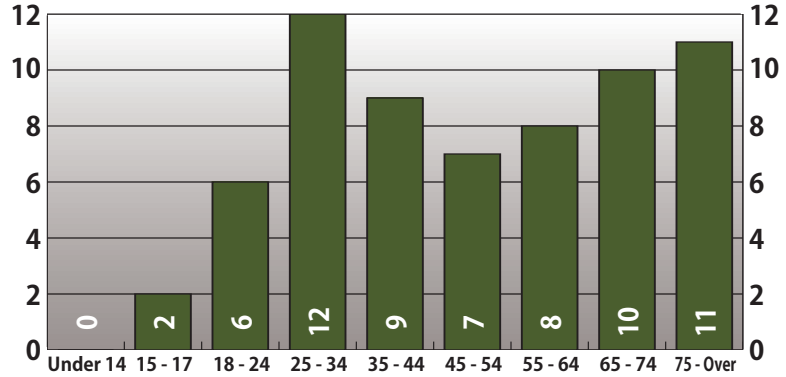


Pedestrians

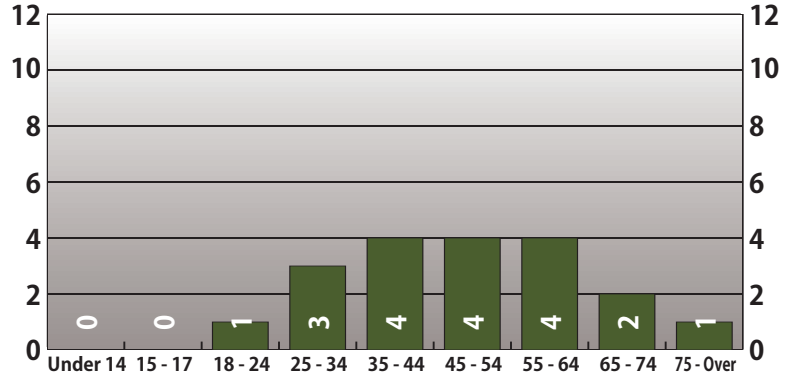


AGE GROUPS - MAJOR CLASSIFICATIONS

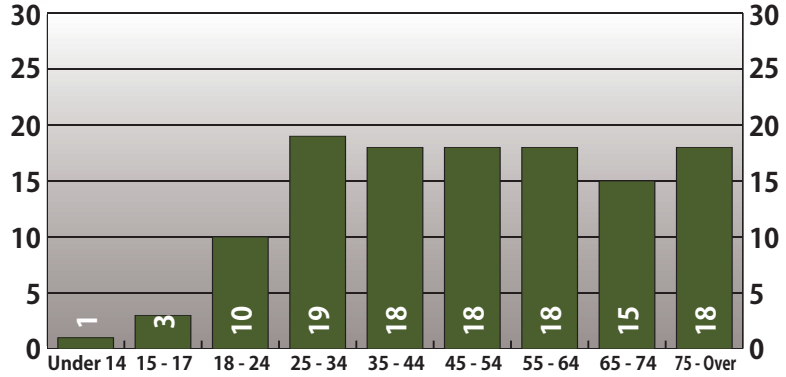
Drivers



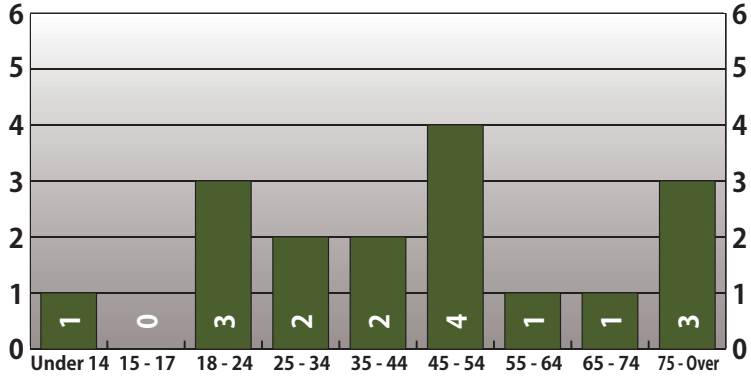
Motorcyclists



Total



Passengers



Pedestrians

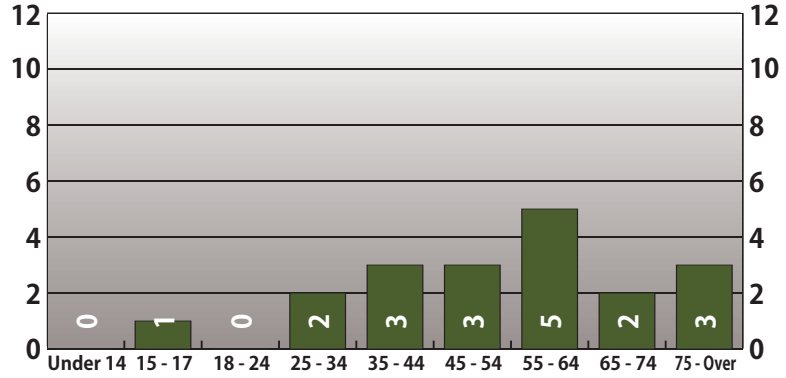


TABLE 29 CLASSIFICATION OF VICTIMS - ETHANOL INCIDENCE

		Total		Cleveland		County		Out of County		Unknown		Not Tested		Tested						Stages					
														Total		Negative		Positive		≥0.01% - ≤ 0.79%		≥0.08% - < 0.17%		≥0.17%	
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
Driver	65	46	19	18	6	14	7	12	6	2	0	9	7	37	12	16	6	21	6	5	0	3	3	13	3
Motorcyclist	19	19	0	6	0	4	0	9	0	0	0	7	0	12	0	5	0	7	0	3	0	2	0	2	0
Passenger	17	8	9	5	5	2	1	1	3	0	0	4	5	4	4	2	1	2	3	1	2	0	1	1	0
Pedestrian	19	15	4	10	2	3	1	2	1	0	0	3	1	12	3	6	1	6	2	1	0	2	2	3	0
Bicyclist	8	8	0	2	0	1	0	4	0	1	0	3	0	5	0	4	0	1	0	0	0	1	0	0	0
Unknown	3	1	2	0	2	0	0	0	0	1	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0
Total	**131**	**97**	**34**	**41**	**15**	**24**	**9**	**28**	**10**	**4**	**0**	**27**	**15**	**70**	**19**	**33**	**8**	**37**	**11**	**10**	**2**	**8**	**6**	**19**	**3**

TABLE 30 DRIVERS/AGE OF VICTIMS - ETHANOL INCIDENCE

		Total		Cleveland		County		Out of County		Unknown		Not Tested		Tested						Stages					
														Total		Negative		Positive		≥0.01% - ≤ 0.79%		≥0.08% - < 0.17%		≥0.17%	
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
Under 14	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
15 - 17	3	3	0	1	0	0	0	2	0	0	0	0	0	3	0	2	0	1	0	1	0	0	0	0	0
18 - 24	10	8	2	5	1	1	0	2	1	0	0	0	0	8	2	3	1	5	1	1	1	2	0	2	0
25 - 34	20	14	6	7	2	5	3	2	1	0	0	1	2	13	4	3	1	10	3	4	0	1	2	5	1
35 - 44	20	14	6	10	4	2	2	2	0	0	0	2	0	12	6	2	2	10	4	1	0	2	3	7	1
45 - 54	19	13	6	3	4	6	2	3	0	1	0	4	2	9	4	4	2	5	2	2	1	1	0	2	1
55 - 64	21	20	1	7	0	5	0	5	1	3	0	6	1	14	0	9	0	5	0	1	0	2	0	2	0
65 - 74	17	13	4	5	1	2	1	6	2	0	0	7	3	6	1	6	0	0	1	0	0	0	1	0	0
75 and Older	20	11	9	2	3	3	1	6	5	0	0	6	7	5	2	4	2	1	0	0	0	0	0	1	0
Total	**131**	**97**	**34**	**41**	**15**	**24**	**9**	**28**	**10**	**4**	**0**	**27**	**15**	**70**	**19**	**33**	**8**	**37**	**11**	**10**	**2**	**8**	**6**	**19**	**3**

MONTHLY ETHANOL INCIDENCE

TABLE 31

		Total		Cleveland		County		Out of County		Unknown		Not Tested		Tested						Stages					
														Total		Negative		Positive		≥0.01% - ≤ 0.79%		≥0.08% - < 0.17%		≥0.17%	
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.	7	6	1	4	0	1	0	0	1	1	0	2	1	4	0	1	0	3	0	0	0	0	0	3	0
Feb.	7	7	0	2	0	1	0	3	0	1	0	3	0	4	0	2	0	2	0	0	0	1	0	1	0
Mar.	15	10	5	3	3	3	2	4	0	0	0	4	1	6	4	4	1	2	3	0	1	0	1	2	1
Apr.	11	7	4	2	3	4	0	1	1	0	0	1	3	6	1	2	0	4	1	0	0	1	1	3	0
May	11	10	1	5	1	2	0	3	0	0	0	1	0	9	1	3	1	6	0	3	0	2	0	1	0
Jun.	10	8	2	4	1	2	1	2	0	0	0	1	1	7	1	3	0	4	1	2	0	1	0	1	1
July	14	10	4	3	0	0	1	6	3	1	0	5	4	5	0	2	0	3	0	1	0	0	0	2	0
Aug.	14	11	3	5	2	3	0	2	1	1	0	3	1	8	2	6	0	2	2	1	1	0	1	1	0
Sept.	12	8	4	3	1	2	2	3	1	0	0	1	0	7	4	5	3	2	1	1	0	0	1	1	0
Oct.	9	9	0	1	0	5	0	3	0	0	0	2	0	7	0	3	0	4	0	2	0	1	0	1	0
Nov.	6	3	3	3	2	0	0	0	1	0	0	0	1	3	2	0	2	3	0	0	0	2	0	1	0
Dec.	15	8	7	6	2	1	3	1	2	0	0	4	3	4	4	2	1	2	3	0	0	0	2	2	1
Total	**131**	**97**	**34**	**41**	**15**	**24**	**9**	**28**	**10**	**4**	**0**	**27**	**15**	**70**	**19**	**33**	**8**	**37**	**11**	**10**	**2**	**8**	**6**	**19**	**3**

TABLE 32

DAILY ETHANOL INCIDENCE

		Total		Not Tested		Tested						Stages					
						Total		Negative		Positive		≥0.01% - ≤ 0.79%		≥0.08% - < 0.17%		≥0.17%	
Month	Total	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Sunday	20	14	6	2	1	12	5	6	0	6	5	2	2	2	2	2	1
Monday	18	13	5	4	3	9	2	3	2	6	0	0	0	1	1	5	0
Tuesday	15	11	4	3	3	8	1	3	1	5	0	0	0	2	2	3	0
Wednesday	18	12	6	2	2	10	4	5	2	5	2	3	0	1	1	1	0
Thursday	12	8	4	1	1	7	3	6	1	1	2	0	0	0	0	1	0
Friday	22	19	3	3	2	16	1	5	1	11	0	4	0	2	2	5	0
Saturday	15	11	4	3	1	8	3	5	1	3	2	1	0	0	0	2	2
Unknown	11	9	2	9	2	0	0	0	0	0	0	0	0	0	0	0	0
Total	**131**	**97**	**34**	**27**	**15**	**70**	**19**	**33**	**8**	**37**	**11**	**10**	**2**	**8**	**8**	**19**	**3**

AGE - RACE - ETHNICITY - ETHANOL INCIDENCE

TABLE 33

			Ethnicity		Not Tested		Tested						Stages					
							Total		Negative		Positive		≥0.01% - ≤ 0.79%		≥0.08% - < 0.17%		≥0.17%	
Age	Race	Total	Hispanic	Non-Hispanic	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Under 14	White	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 - 17	White	2	0	2	0	0	2	0	1	0	1	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
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 - 24	White	4	1	3	0	0	4	0	3	0	1	0	0	0	1	0	0	0
	Black	6	0	6	0	0	4	2	0	1	4	1	1	1	1	0	2	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 - 34	White	10	4	6	0	1	8	1	3	0	5	1	1	0	1	0	3	1
	Black	10	0	10	1	1	5	3	0	1	5	2	3	0	0	2	2	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 - 44	White	6	1	5	2	0	4	0	1	0	3	0	0	0	1	0	2	0
	Black	14	0	14	0	0	8	6	1	2	7	4	1	0	1	3	5	1
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 - 54	White	12	0	12	3	1	6	2	1	1	4	1	2	0	1	0	1	1
	Black	6	0	6	1	1	2	2	1	1	1	1	0	1	0	0	1	0
	Asian	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0
55 - 64	White	14	1	13	3	1	10	0	6	0	4	0	1	0	2	0	1	0
	Black	7	0	7	3	0	4	0	3	0	1	0	0	0	0	0	1	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 33 AGE - RACE - ETHNICITY - ETHANOL INCIDENCE (continued)

			Ethnicity		Not Tested		Tested						Stages					
							Total		Negative		Positive		≥0.01% - ≤ 0.79%		≥0.08% - < 0.17%		≥0.17%	
Age	Race	Total	Hispanic	Non-Hispanic	M	F	M	F	M	F	M	F	M	F	M	F	M	F
65 -74	White	11	1	10	4	3	4	0	4	0	0	0	0	0	0	0	0	0
	Black	6	0	6	3	0	2	1	2	0	0	1	0	0	0	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75 and Older	White	16	1	15	4	5	5	2	4	2	1	0	0	0	0	0	1	0
	Black	4	0	4	2	2	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
Total	White	75	9	66	16	11	43	5	24	3	19	2	5	0	6	0	8	2
	Black	55	0	55	11	4	26	14	8	5	18	9	5	2	2	6	11	1
	Asian	1	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0
Grand Total		**131**	**9**	**122**	**27**	**15**	**70**	**19**	**33**	**8**	**37**	**11**	**10**	**2**	**8**	**6**	**19**	**3**

TYPE OF ACCIDENT - ETHANOL INCIDENCE

TABLE 34

		Total		Cleveland		County		Out of County		Unknown		Not Tested		Tested						Stages					
														Total		Negative		Positive		≥0.01% - ≤ 0.79%		≥0.08% - < 0.17%		≥0.17%	
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
Traffic Collision	124	91	33	40	14	23	9	25	10	3	0	23	14	68	19	32	32	36	8	9	2	8	6	19	3
Traffic/Non-Collision	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
Non-Traffic/Collision	1	1	0	0	0	0	0	1	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0
Non-Traffic/Non-Collision	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
Unknown	3	2	1	0	1	0	0	1	0	1	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0
Total	131	97	34	41	15	24	9	28	10	4	0	27	15	70	19	33	33	37	8	10	2	8	6	19	3

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.

TABLE 35 MAJOR CLASSIFICATIONS - ETHANOL INCIDENCE

		Total		Cleveland		County		Out of County		Unknown		Not Tested		Tested						Stages					
														Total		Negative		Positive		≥0.01% - ≤ 0.79%		≥0.08% - < 0.17%		≥0.17%	
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
Auto-Auto	9	5	4	3	3	2	1	0	0	0	0	0	1	5	3	4	2	1	1	1	1	0	0	0	0
Auto-Fixed Object	20	12	8	7	3	5	3	0	2	0	0	1	2	11	6	2	2	9	4	0	0	2	3	7	1
Auto-Motorcycle	5	5	0	2	0	1	0	2	0	0	0	1	0	4	0	3	0	1	0	1	0	0	0	0	0
Auto-Pedestrian	9	7	2	4	2	2	0	1	0	0	0	2	0	5	2	4	0	1	2	1	0	0	2	0	0
Auto-Truck	18	12	6	4	1	4	2	3	3	1	0	5	2	7	4	4	3	3	1	0	0	1	1	2	0
Motorcycle-Fixed Object	6	6	0	4	0	0	0	2	0	0	0	2	0	4	0	0	0	4	0	1	0	1	0	2	0
Motorcycle. Non-Collision.	2	2	0	0	0	1	0	1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
Motorcycle-Truck	3	3	0	1	0	1	0	1	0	0	0	0	0	3	0	1	0	2	0	2	0	0	0	0	0
Truck-Fixed Object	13	8	5	2	2	4	2	2	1	0	0	0	2	8	3	4	0	4	3	1	1	0	0	3	2
Truck-Pedestrian	8	6	2	5	0	1	1	0	1	0	0	0	1	6	1	2	1	4	0	1	0	1	0	2	0
Truck-Truck	14	10	4	4	1	1	0	5	3	0	0	2	4	8	0	4	0	4	0	1	0	1	0	2	0
Other Motor Vehicle Accident	13	12	1	3	1	1	0	7	0	1	0	8	1	4	0	1	0	3	0	1	0	1	0	1	0
Total	**120**	**88**	**32**	**39**	**13**	**23**	**9**	**24**	**10**	**2**	**0**	**23**	**13**	**65**	**19**	**29**	**8**	**36**	**11**	**10**	**2**	**7**	**6**	**19**	**3**

2019 VEHICULAR FATALITIES

ETHANOL INCIDENCE - DRIVERS

TABLE 35A

		Total		Cleveland		County		Out of County		Unknown		Not Tested		Tested						Stages					
														Total		Negative		Positive		≥0.01% - ≤ 0.79%		≥0.08% - < 0.17%		≥0.17%	
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
Auto-Auto	8	5	3	3	2	2	1	0	0	0	0	0	1	5	2	4	2	1	0	1	0	0	0	0	0
Auto-Fixed Object	18	10	8	5	3	5	3	0	2	0	0	0	2	10	6	1	2	9	4	0	0	2	3	7	1
Auto-Truck	13	10	3	3	0	3	1	3	2	1	0	4	1	6	2	3	2	3	0	0	0	1	0	2	0
Motorcycle-Fixed Object	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
Truck-Fixed Object	10	7	3	2	0	3	2	2	1	0	0	0	1	7	2	4	0	3	2	1	0	0	0	2	2
Truck-Truck	9	8	1	3	0	1	0	4	1	0	0	1	1	7	0	4	0	3	0	1	0	0	0	2	0
Other Motor Vehicle Accident	6	5	1	1	1	0	0	3	0	1	0	4	1	1	0	0	0	1	0	1	0	0	0	0	0
Total	65	46	19	18	6	14	7	12	6	2	0	9	7	37	12	16	6	21	6	5	0	3	3	13	3

2019 VEHICULAR FATALITIES

ETHANOL INCIDENCE - MOTORCYCLISTS

TABLE 35B

		Total		Cleveland		County		Out of County		Unknown		Not Tested		Tested						Stages					
														Total		Negative		Positive		≥0.01% - ≤ 0.79%		≥0.08% - < 0.17%		≥0.17%	
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
Auto-Motorcycle	5	5	0	2	0	1	0	2	0	0	0	1	0	4	0	3	0	1	0	1	0	0	0	0	0
Motorcycle-Fixed Object	5	5	0	3	0	0	0	2	0	0	0	2	0	3	0	0	0	3	0	0	0	1	0	2	0
Motorcycle. Non-Collision.	2	2	0	0	0	1	0	1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
Motorcycle-Truck	3	3	0	1	0	1	0	1	0	0	0	0	0	3	0	1	0	2	0	2	0	0	0	0	0
Other Motor Vehicle Accident	4	4	0	0	0	1	0	3	0	0	0	2	0	2	0	1	0	1	0	0	0	1	0	0	0
Total	19	19	0	6	0	4	0	9	0	0	0	7	0	12	0	5	0	7	0	3	0	2	0	2	0

TABLE 35C ETHANOL INCIDENCE - PASSENGERS

		Total		Cleveland		County		Out of County		Unknown		Not Tested		Tested						Stages					
														Total		Negative		Positive		≥0.01% - ≤ 0.79%		≥0.08% - < 0.17%		≥0.17%	
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
Auto-Auto	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
Auto-Fixed Object	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
Auto-Truck	5	2	3	1	1	1	1	0	1	0	0	1	1	1	2	1	1	0	1	0	0	0	1	1	0
Truck-Fixed Object	3	1	2	0	2	1	0	0	0	0	0	0	1	1	1	0	0	1	1	0	1	0	0	0	0
Truck-Pedestrian	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
Truck-Truck	4	1	3	0	1	0	0	1	2	0	0	1	3	0	0	0	0	0	0	0	0	0	0	0	0
Other Motor Vehicle Accident	1	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0
Total	17	8	9	5	5	2	1	1	3	0	0	4	5	4	4	2	1	2	3	1	2	0	1	0	0

ETHANOL INCIDENCE - PEDESTRIANS

TABLE 35D

		Total		Cleveland		County		Out of County		Unknown		Not Tested		Tested						Stages					
														Total		Negative		Positive		≥0.01% - ≤ 0.79%		≥0.08% - < 0.17%		≥0.17%	
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
Auto-Pedestrian	9	7	2	4	2	2	0	1	0	0	0	2	0	5	2	4	0	1	2	1	0	0	2	0	0
Truck-Pedestrian	7	5	2	4	0	1	1	0	1	0	0	0	1	5	1	2	1	3	0	0	0	1	0	2	0
Truck-Truck	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
Other Motor Vehicle Accident	2	2	0	1	0	0	0	1	0	0	0	1	0	1	0	0	0	1	0	0	0	0	0	1	0
Total	19	15	4	10	2	3	1	2	1	0	0	3	1	12	3	6	1	6	2	1	0	2	2	3	0

TABLE 36
WEATHER CONDITIONS - ETHANOL INCIDENCE

		Total		Cleveland		County		Out of County		Unknown		Not Tested		Tested						Stages					
														Total		Negative		Positive		≥0.01% - ≤ 0.79%		≥0.08% - < 0.17%		≥0.17%	
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
Clear	62	50	12	25	3	11	4	14	5	0	0	11	5	39	7	16	2	23	5	7	0	6	3	10	2
Cloudy	39	27	12	13	7	6	3	8	2	0	0	4	4	23	8	14	4	9	4	3	1	2	3	4	0
Rain	8	6	2	2	0	4	2	0	0	0	0	1	0	5	2	1	1	4	1	0	0	0	0	4	1
Snow	7	3	4	0	2	2	0	1	2	0	0	0	2	3	2	2	1	1	1	0	1	0	0	1	0
Other/Unknown	15	11	4	1	3	1	0	5	1	4	0	11	4	0	0	0	0	0	0	0	0	0	0	0	0
Total	131	97	34	41	15	24	9	28	10	4	0	27	15	70	19	33	8	37	11	10	2	8	6	19	3

2019 VEHICULAR FATALITIES

ROAD CONDITIONS - ETHANOL INCIDENCE

TABLE 37

Road Condition	Total	Total		Cleveland		County		Out of County		Unknown		Not Tested		Tested						Stages					
														Total		Negative		Positive		≥0.01% - ≤ 0.79%		≥0.08% - < 0.17%		≥0.17%	
		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	93	71	22	33	10	17	5	21	7	0	0	13	9	58	13	28	4	30	9	9	1	7	6	14	2
Ice	1	0	1	0	0	0	0	0	1	0	0	11	1	0	0	0	0	0	0	0	0	0	0	0	0
Snow	5	3	2	0	0	1	0	2	2	0	0	1	1	2	1	2	1	0	0	0	0	0	0	0	0
Unknown	14	11	3	1	3	1	0	5	0	4	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0
Wet	18	12	6	7	2	5	4	0	0	0	0	2	1	10	5	3	3	7	2	1	1	1	0	5	1
Total	131	97	34	41	15	24	9	28	10	4	0	27	15	70	19	33	8	37	11	10	2	8	6	19	3

2019 VEHICULAR FATALITIES

LIGHT CONDITIONS - ETHANOL INCIDENCE

TABLE 38

Road Condition	Total	Total		Cleveland		County		Out of County		Unknown		Not Tested		Tested						Stages					
														Total		Negative		Positive		≥0.01% - ≤ 0.79%		≥0.08% - < 0.17%		≥0.17%	
		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	54	36	18	13	5	7	4	16	9	0	0	13	10	23	8	15	6	8	2	3	0	2	2	3	0
Dawn	4	3	1	1	0	2	0	0	1	0	0	0	1	3	0	3	0	0	0	0	0	0	0	0	0
Dusk	3	3	0	3	0	0	0	0	0	0	0	0	0	3	0	2	0	1	0	0	0	0	0	1	0
Dark - Lighted Roadway	49	37	12	22	7	13	5	2	0	0	0	1	1	36	11	11	2	25	9	6	2	4	4	15	3
Dark - Roadway Not Lighted	7	7	0	1	0	1	0	5	0	0	0	2	0	5	0	2	0	3	0	1	0	2	0	0	0
Unknown	14	11	3	1	3	1	0	5	0	4	0	11	3	0	0	0	0	0	0	0	0	0	0	0	0
Total	131	97	34	41	15	24	9	28	10	4	0	27	15	70	19	33	8	37	11	10	2	8	6	19	3

TABLE 39 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	2	0	5	1	8	4	6	3	5	2	7	1	7	3	6	5	46	19	65
Motorcyclist	0	0	0	0	1	0	3	0	4	0	4	0	4	0	2	0	1	0	19	0	19
Passenger (including motorcycles)	1	0	0	0	2	1	1	1	1	1	1	3	1	0	0	1	1	2	8	9	17
Pedestrian	0	0	1	0	0	0	1	1	1	2	3	0	5	0	2	0	2	1	15	4	19
Bicyclist	0	0	0	0	0	0	1	0	2	0	0	0	2	0	2	0	1	0	8	0	8
Unknown	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1	2	3
Total	**1**	**0**	**3**	**0**	**8**	**2**	**14**	**6**	**14**	**6**	**13**	**6**	**20**	**1**	**13**	**4**	**11**	**9**	**97**	**34**	**131**

TABLE 40 MONTH AND AGE GROUPS

Month	Under 14		15-17		18-24		25-34		35-44		45-54		55-64		65-74		75 and Over		Total		Grand Total
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
January	0	0	0	0	0	0	1	1	1	0	3	0	1	0	0	0	0	0	6	1	7
February	0	0	0	0	1	0	1	0	0	0	2	0	3	0	0	0	0	0	7	0	7
March	0	0	1	0	1	0	0	0	0	2	0	2	3	0	4	0	1	1	10	5	15
April	0	0	0	0	1	0	2	0	0	1	2	2	0	0	0	1	2	0	7	4	11
May	0	0	0	0	1	0	2	0	3	1	2	0	2	0	0	0	0	0	10	1	11
June	0	0	0	0	0	0	4	0	2	0	1	1	0	0	1	0	0	1	8	2	10
July	0	0	0	0	0	0	1	0	2	0	1	0	3	0	0	1	3	3	10	4	14
August	0	0	0	0	2	1	0	0	1	0	1	0	3	0	4	1	0	1	11	3	14
September	0	0	1	0	0	0	1	2	1	0	1	0	1	0	1	0	2	2	8	4	12
October	0	0	1	0	1	0	2	0	0	0	0	0	3	0	1	0	1	0	9	0	9
November	0	0	0	0	1	1	0	0	2	0	0	1	0	0	0	0	0	1	3	3	6
December	1	0	0	0	0	0	0	3	2	2	0	0	1	1	2	1	2	0	8	7	15
Total	**1**	**0**	**3**	**0**	**8**	**2**	**14**	**6**	**14**	**6**	**13**	**6**	**20**	**1**	**13**	**4**	**11**	**9**	**97**	**34**	**131**

MONTH AND AGE GROUPS

TABLE 41

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	0	0	1	0	0	0	1	0	0	0	0	0	2	0	2
February	0	0	0	0	0	0	1	0	0	0	2	0	1	0	0	0	0	0	4	0	4
March	0	0	1	0	1	0	0	0	0	2	0	2	2	0	1	0	0	0	5	4	9
April	0	0	0	0	0	0	1	0	0	1	1	0	0	0	0	0	1	0	3	1	4
May	0	0	0	0	1	0	2	0	2	1	1	0	1	0	0	0	0	0	7	1	8
June	0	0	0	0	0	0	1	0	1	0	1	1	0	0	0	0	0	0	3	1	4
July	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	2	0	2
August	0	0	0	0	0	1	0	0	1	0	1	0	1	0	1	1	0	0	4	2	6
September	0	0	1	0	0	0	1	2	1	0	1	0	0	0	1	0	1	0	6	2	8
October	0	0	0	0	1	0	2	0	0	0	0	0	2	0	0	0	0	0	5	0	5
November	0	0	0	0	1	1	0	0	1	0	0	1	0	0	0	0	0	0	2	2	4
December	0	0	0	0	0	0	0	2	1	1	0	0	0	0	0	0	0	0	1	3	4
Total	**0**	**0**	**2**	**0**	**4**	**2**	**8**	**4**	**8**	**5**	**7**	**4**	**9**	**0**	**3**	**1**	**3**	**0**	**44**	**16**	**60**

TABLE 42 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	3	2	0	1	0	0	1	0	1	0	0	0	1	0	0	0	0	1	2	0	0	0	0	2	7	2	1	1	0	3
Extremities	1	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
Head, Trunk and Extremities	53	13	21	5	5	9	15	3	7	0	2	3	15	4	2	2	2	5	17	2	8	0	6	1	100	22	38	7	15	18
Miscellaneous Injuries	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	2	1	0	0	0
Spinal Cord, Fracture of Vertebra	2	0	1	0	0	1	3	0	0	0	0	3	1	0	0	0	0	1	0	0	0	0	0	0	6	0	1	0	0	5
Trunk	2	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	1	1
Trunk and Extremities	1	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
Total	**65**	**17**	**23**	**6**	**8**	**11**	**19**	**3**	**8**	**0**	**2**	**6**	**17**	**4**	**2**	**2**	**2**	**7**	**19**	**2**	**8**	**0**	**6**	**3**	**120**	**26**	**41**	**8**	**18**	**27**

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

TABLE 43

Age	Brain						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	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	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0
15 - 17	0	0	0	0	0	0	0	0	0	0	0	0	3	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	2	0	0	0
18 - 24	2	1	0	1	0	0	0	0	0	0	0	0	8	2	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	3	5	2	0	0
25 - 34	1	1	0	0	0	0	0	0	0	0	0	0	19	5	8	1	4	1	0	0	0	0	0	0	0	0	0	0	0	0	20	6	8	1	4	1
35 - 44	1	0	0	0	0	1	0	0	0	0	0	0	19	9	6	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	20	9	6	1	1	3
45 - 54	0	0	0	0	0	0	1	1	0	0	0	0	14	2	7	1	2	2	4	0	1	0	0	3	0	0	0	0	0	0	19	3	8	1	2	5
55 - 64	1	0	1	0	0	0	2	1	1	0	0	0	14	2	4	2	4	2	3	0	0	0	0	3	1	0	0	0	0	1	21	3	6	2	4	6
65 - 74	1	0	0	0	1	0	1	0	0	0	1	0	13	1	5	1	2	4	2	0	0	0	0	2	0	0	0	0	0	0	17	1	5	1	4	6
75 and Over	3	0	0	0	0	3	0	0	0	0	0	0	15	0	3	1	4	7	1	0	0	0	0	1	1	0	0	0	1	0	20	0	3	1	5	11
Total	**9**	**2**	**1**	**1**	**1**	**4**	**4**	**2**	**1**	**0**	**1**	**0**	**106**	**22**	**40**	**8**	**18**	**18**	**10**	**0**	**1**	**0**	**0**	**9**	**2**	**0**	**0**	**0**	**1**	**1**	**131**	**26**	**43**	**9**	**21**	**32**

TABLE 43A MAJOR INJURY AND SURVIVAL INTERVAL - AGE GROUPS (DRIVERS)

Age	Brain						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	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
15 - 17	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
18 - 24	2	1	0	1	0	0	0	0	0	0	0	0	4	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	2	3	1	0	0
25 - 34	1	1	0	0	0	0	0	0	0	0	0	0	11	3	5	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	12	4	5	1	2	0
35 - 44	0	0	0	0	0	0	0	0	0	0	0	0	9	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	6	3	0	0	0
45 - 54	0	0	0	0	0	0	1	1	0	0	0	0	5	1	3	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	7	2	4	0	0	1
55 - 64	0	0	0	0	0	0	2	1	1	0	0	0	4	0	0	2	1	1	1	0	0	0	0	1	1	0	0	0	0	1	8	1	1	2	1	3
65 - 74	0	0	0	0	0	0	1	0	0	0	1	0	9	1	3	1	1	3	0	0	0	0	0	0	0	0	0	0	0	0	10	1	3	1	2	3
75 and Over	0	0	0	0	0	0	0	0	0	0	0	0	10	0	3	1	2	4	0	0	0	0	0	0	1	0	0	0	1	0	11	0	3	1	3	4
Total	**3**	**2**	**0**	**1**	**0**	**0**	**4**	**2**	**1**	**0**	**1**	**0**	**54**	**13**	**21**	**5**	**6**	**9**	**2**	**0**	**1**	**0**	**0**	**1**	**2**	**0**	**0**	**0**	**1**	**1**	**65**	**17**	**23**	**6**	**8**	**11**

MAJOR INJURY AND SURVIVAL INTERVAL - AGE GROUPS (MOTORCYCLISTS)

TABLE 43B

Age	Brain						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	**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
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
18 - 24	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
25 - 34	0	0	0	0	0	0	0	0	0	0	0	0	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	2	1	0	0	0
35 - 44	0	0	0	0	0	0	0	0	0	0	0	0	4	1	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	4	1	1	0	0	2
45 - 54	0	0	0	0	0	0	0	0	0	0	0	0	3	0	2	0	1	0	1	0	0	0	0	1	0	0	0	0	0	0	4	0	2	0	1	1
55 - 64	1	0	1	0	0	0	0	0	0	0	0	0	3	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	3	0	1	0
65 - 74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2	0	0	0	0	0	0	2	0	0	0	0	2
75 and Over	0	0	0	0	0	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	1	0	0	0	0	1
Total	**1**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**15**	**3**	**7**	**0**	**2**	**3**	**3**	**0**	**0**	**0**	**0**	**3**	**0**	**0**	**0**	**0**	**0**	**0**	**19**	**3**	**8**	**0**	**2**	**6**

TABLE 43C MAJOR INJURY AND SURVIVAL INTERVAL - AGE GROUPS (PASSENGERS)

Age	Brain						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	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	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	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
18 - 24	0	0	0	0	0	0	0	0	0	0	0	0	3	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	1	1	0	0
25 - 34	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	1	1
35 - 44	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0
45 - 54	0	0	0	0	0	0	0	0	0	0	0	0	3	1	0	1	0	1	1	0	0	0	0	1	0	0	0	0	0	0	4	1	0	1	0	2
55 - 64	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
65 - 74	0	0	0	0	0	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	1	0	0	0	0	1
75 and Over	1	0	0	0	0	1	0	0	0	0	0	0	2	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	3
Total	**1**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**15**	**4**	**2**	**2**	**2**	**5**	**1**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**17**	**4**	**2**	**2**	**2**	**7**

MAJOR INJURY AND SURVIVAL INTERVAL - AGE GROUPS (PEDESTRIANS)

TABLE 43D

Age	Brain						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	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
15 - 17	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
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	0	0	0	0	0	0	0	0	0	0	0	0
25 - 34	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	0	1	0
35 - 44	0	0	0	0	0	0	0	0	0	0	0	0	3	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	2	0	1	0
45 - 54	0	0	0	0	0	0	0	0	0	0	0	0	3	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	2	0	1	0
55 - 64	0	0	0	0	0	0	0	0	0	0	0	0	5	2	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	5	2	1	0	1	1
65 - 74	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	0	1	0
75 and Over	2	0	0	0	0	2	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	1	2
Total	**2**	**0**	**0**	**0**	**0**	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**17**	**2**	**8**	**0**	**6**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**19**	**2**	**8**	**0**	**6**	**3**

TABLE 44A GEOGRAPHICAL LOCATION - TYPE OF ACCIDENT - ALL CLASSIFICATIONS

	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	
Bedford																																	
Driver	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	2
Berea																																	
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
Broadview Heights																																	
Driver	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	1
Brook Park																																	
Pedestrian	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Cleveland																																	
Driver	3	2	5	3	0	0	0	0	0	0	3	0	1	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	3	0	1	1	24
Motorcyclist	0	0	0	0	2	0	0	0	0	0	0	1	3	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	6
Passenger	0	1	2	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	1	0	1	0	1	0	10
Pedestrian	0	0	0	0	0	0	0	0	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	1	0	1	0	12
Bicyclist	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
Unknown	0	0	0	0	0	0	0	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
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																																	
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	0	0	1	0	0	1
Euclid																																	
Driver	0	0	2	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	5
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
Passenger	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
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
Garfield 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
Independence																																	
Driver	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	2
Motorcyclist	0	0	0	0	0	0	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

GEOGRAPHICAL LOCATION - TYPE OF ACCIDENT - ALL CLASSIFICATIONS (continued)

TABLE 44A

	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	
Mayfield Heights Driver	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
North Olmsted Motorcyclist	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
North Royalton 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
Richmond Heights 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
Shaker Heights Passenger	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	2
Solon 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
Strongsville 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
University Heights Pedestrian	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Westlake Driver	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	2
Total	5	4	12	6	3	0	0	0	6	2	8	3	4	0	0	0	1	0	0	0	2	0	5	4	0	0	5	0	4	2	7	3	86

TABLE 44B GEOGRAPHICAL LOCATION - TYPE OF ACCIDENT - ALL CLASSIFICATIONS

	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	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	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
Walton Hills																																	
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**	**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**	**0**	**0**	**0**	**3**

GEOGRAPHICAL LOCATION - TYPE OF ACCIDENT - ALL CLASSIFICATIONS

TABLE 44C

	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	0	0	0	2	0	0	0	0	0	0	3	2	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	4	1	3	0	**18**
Motorcyclist	0	0	0	0	2	0	0	0	0	0	0	1	2	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	3	0	**9**
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	1	0	2	0	0	**4**
Pedestrian	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	**3**
Bicyclist	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	**4**
Unknown Location:																																	
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	1	0	**2**
Bicyclist	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	**1**
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	**1**
Total	**0**	**0**	**0**	**2**	**2**	**0**	**0**	**0**	**1**	**0**	**4**	**3**	**2**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**1**	**0**	**2**	**1**	**0**	**0**	**0**	**1**	**5**	**3**	**14**	**0**	**42**

TABLE 45

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	Grand Total
12:00 A.M.	2	1	2	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	1	0	1	0	1	0	0	0	0	0	0	0	4	1	4	1	3	1	5
1:00 A.M.	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	2	0	2	0	2	0	2	0	2	0	2	0	6	0	6	0	6	0	6
2:00 A.M.	3	0	3	0	3	0	1	0	1	0	1	0	0	0	0	0	0	0	1	1	1	1	1	1	0	1	0	1	0	1	0	0	0	0	0	0	1	1	1	1	1	1	6	3	6	3	6	3	9
3:00 A.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	1	0	1	0	1	2	1	2	1	1	1	3
4:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	0	1	0	0	0	0	0	0	0	2	0	2	0	1	0	2
5:00 A.M.	0	2	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	3	2	2	1	1	1	5
6:00 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	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	2
7:00 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	1	0	0	0	0	1	1	1	0	0	0	2
8:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	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	1
9:00 A.M.	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	1	0	1	0	0	0	0	0	0	0	2	1	2	1	1	0	3
10:00 A.M.	0	0	0	0	0	0	0	1	0	1	0	0	1	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	4	1	1	1	0	0	5
11:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	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	1
Total A.M.	**5**	**3**	**5**	**2**	**4**	**2**	**3**	**1**	**3**	**1**	**2**	**0**	**4**	**1**	**3**	**1**	**2**	**0**	**6**	**2**	**5**	**2**	**3**	**1**	**2**	**2**	**2**	**1**	**1**	**1**	**8**	**0**	**6**	**0**	**5**	**0**	**4**	**3**	**4**	**2**	**3**	**2**	**32**	**12**	**28**	**9**	**20**	**6**	**44**
12:00 P.M.	1	0	1	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	3	2	3	0	1	0	5
1:00 P.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	1	2	1	1	0	0	0	0	0	0	0	0	2	5	2	2	0	0	7
2:00 P.M.	0	0	0	0	0	0	1	1	1	0	0	0	1	0	1	0	0	0	1	0	1	0	0	0	1	0	1	0	0	0	2	1	2	0	0	0	1	0	0	0	0	0	7	2	6	0	0	0	9
3:00 P.M.	0	0	0	0	0	0	1	0	0	0	0	0	1	0	1	0	1	0	0	2	0	0	0	0	1	0	0	0	0	0	2	0	1	0	1	0	0	0	0	0	0	0	5	2	2	0	2	0	7
4:00 P.M.	0	1	0	1	0	1	2	1	2	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	0	0	0	0	0	0	0	0	3	2	2	2	1	1	5
5:00 P.M.	1	1	0	1	0	1	1	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	0	0	0	0	0	0	0	0	0	0	2	2	1	1	1	1	4
6:00 P.M.	1	0	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	2	0	0	0	4
7:00 P.M.	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	1	0	0	0	1	0	1	0	1	0	1	0	1	0	0	0	5	0	3	0	1	0	5
8:00 P.M.	0	0	0	0	0	0	1	0	1	0	1	0	2	0	2	0	1	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	4	0	4	0	3	0	4
9:00 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	0	0	0	0	0	3	0	3	0	3	0	1	0	0	0	0	0	6	0	5	0	5	0	6
10:00 P.M.	1	0	1	0	1	0	1	0	0	0	0	0	1	0	1	0	1	0	0	1	0	1	0	1	0	1	0	1	0	1	0	0	0	0	0	0	1	1	1	1	0	0	4	3	3	3	2	2	7
11:00 P.M.	3	1	3	1	0	1	1	0	1	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	2	1	2	1	0	0	0	0	0	0	0	0	3	0	2	0	0	0	10	2	9	2	1	1	12
Total P.M.	**9**	**3**	**7**	**3**	**2**	**3**	**9**	**4**	**6**	**1**	**4**	**0**	**7**	**3**	**5**	**0**	**3**	**0**	**6**	**4**	**5**	**2**	**2**	**1**	**6**	**2**	**5**	**2**	**0**	**1**	**11**	**3**	**10**	**1**	**6**	**0**	**7**	**1**	**4**	**1**	**0**	**0**	**55**	**20**	**42**	**10**	**17**	**5**	**75**
Grand Total	**14**	**6**	**12**	**5**	**6**	**5**	**12**	**5**	**9**	**2**	**6**	**0**	**11**	**4**	**8**	**1**	**5**	**0**	**12**	**6**	**10**	**4**	**5**	**2**	**8**	**4**	**7**	**3**	**1**	**2**	**19**	**3**	**16**	**1**	**11**	**0**	**11**	**4**	**8**	**3**	**3**	**2**	**87**	**32**	**70**	**19**	**37**	**11**	**119**

***Day and/or time is unknown for 12 cases.**

HOURLY - DAILY - ETHANOL INCIDENCE (DRIVERS)

TABLE 45A

	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	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	2	1	2	1	2	1	3
1:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	1	0	1	0	1	0	3	0	3	0	3	0	3
2:00 A.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	1	0	1	0	0	0	0	0	0	0	1	0	1	0	1	2	2	2	2	2	2	4
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	1	0	1	0	1	0	1	0	1	0	1	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	1	0	1	0	1	0	0	0	0	0	0	0	1	0	1	0	1	0	1
5:00 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	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
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	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	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	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	1
9:00 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	1	0	1	0	1	0	0	0	0	0	0	0	1	1	1	1	1	0	2
10:00 A.M.	0	0	0	0	0	0	0	1	0	1	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	0	0	0	0	3	1	1	1	0	0	4
11:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	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	1
Total A.M.	**2**	**1**	**2**	**1**	**2**	**1**	**0**	**1**	**0**	**1**	**0**	**0**	**2**	**1**	**1**	**1**	**1**	**0**	**4**	**1**	**4**	**1**	**3**	**0**	**1**	**2**	**1**	**1**	**1**	**1**	**4**	**0**	**3**	**0**	**3**	**0**	**1**	**2**	**1**	**2**	**1**	**2**	**14**	**8**	**12**	**7**	**11**	**4**	**22**
12:00 P.M.	1	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	2
1:00 P.M.	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	0	0	0	0	0	0	4	0	2	0	0	4
2:00 P.M.	0	0	0	0	0	0	1	0	1	0	0	0	1	0	1	0	0	0	1	0	1	0	0	0	1	0	1	0	0	0	1	0	1	0	0	0	1	0	0	0	0	0	6	0	5	0	0	0	6
3:00 P.M.	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	2	0	0	0	0	0	0	0	0	0	0	2	0	1	0	1	0	0	0	0	0	0	0	3	2	2	0	2	0	5
4:00 P.M.	0	1	0	1	0	1	2	0	2	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	3	1	2	1	1	1	4
5:00 P.M.	1	0	0	0	0	0	1	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	0	0	0	0	0	0	0	0	0	0	2	1	1	0	1	0	3
6:00 P.M.	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	0	0	0	2
7:00 P.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1	0	1	0	0	0	1
8:00 P.M.	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	2	0	2	0	2	0	2
9:00 P.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	1	0	1	0	1	0	0	0	0	0	0	0	2	0	2	0	2	0	2
10:00 P.M.	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	2
11:00 P.M.	3	0	3	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	0	0	0	0	0	0	0	0	1	0	1	0	0	0	6	1	6	1	1	0	7
Total P.M.	**7**	**1**	**6**	**1**	**1**	**1**	**6**	**2**	**6**	**0**	**4**	**0**	**4**	**1**	**3**	**0**	**2**	**0**	**1**	**3**	**1**	**1**	**0**	**0**	**3**	**2**	**3**	**2**	**0**	**1**	**5**	**2**	**4**	**1**	**3**	**0**	**3**	**0**	**2**	**0**	**0**	**0**	**29**	**11**	**25**	**5**	**10**	**2**	**40**
Grand Total	**9**	**2**	**8**	**2**	**3**	**2**	**6**	**3**	**6**	**1**	**4**	**0**	**6**	**2**	**4**	**1**	**3**	**0**	**5**	**4**	**5**	**2**	**3**	**0**	**4**	**4**	**4**	**3**	**1**	**2**	**9**	**2**	**7**	**1**	**6**	**0**	**4**	**2**	**3**	**2**	**1**	**2**	**43**	**19**	**37**	**12**	**21**	**6**	**62**

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

TABLE 45B 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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1:00 A.M.	0	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	0	1	0	1	0	3	0	3	0	3	0	3
2:00 A.M.	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	1
3:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1	0	1	0	0	0	1
6:00 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
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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**	**0**	**0**	**0**	**0**	**0**	**2**	**0**	**2**	**0**	**1**	**0**	**1**	**0**	**1**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**1**	**0**	**1**	**0**	**2**	**0**	**2**	**0**	**1**	**0**	**6**	**0**	**6**	**0**	**4**	**0**	**6**
12:00 P.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	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	2	0	2	0	1	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	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1
2:00 P.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:00 P.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:00 P.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 P.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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 P.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:00 P.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:00 P.M.	0	0	0	0	0	0	0	0	0	0	0	0	2	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	2	0	2	0	1	0	2
9:00 P.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	1	0	1	0	1	0	1
10:00 P.M.	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
11:00 P.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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
Total P.M.	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**2**	**0**	**2**	**0**	**1**	**0**	**1**	**0**	**1**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**3**	**0**	**3**	**0**	**1**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**8**	**0**	**6**	**0**	**3**	**0**	**8**
Grand Total	**0**	**0**	**0**	**0**	**0**	**0**	**3**	**0**	**2**	**0**	**1**	**0**	**3**	**0**	**3**	**0**	**2**	**0**	**1**	**0**	**1**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**4**	**0**	**4**	**0**	**2**	**0**	**3**	**0**	**2**	**0**	**1**	**0**	**14**	**0**	**12**	**0**	**7**	**0**	**14**

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

HOURLY - DAILY - ETHANOL INCIDENCE (PASSENGERS)

TABLE 45C

	Sunday						Monday						Tuesday						Wednesday						Thursday						Friday						Saturday						Totals						
	Total		Tested		Positive		Total		Tested		Positive		Total		Tested		Positive		Total		Tested		Positive		Total		Tested		Positive		Total		Tested		Positive		Total		Tested		Positive		Total		Tested		Positive		
Time	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	Grand Total
12:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	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	1	0	1	0	1	0	1	0	1	0	1	0	1
3:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 A.M.	0	2	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	2	0	1	0	0	2
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	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	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
11:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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**	**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**	**2**	**0**	**1**	**0**	**1**	**0**	**1**	**1**	**1**	**0**	**1**	**0**	**3**	**3**	**2**	**1**	**2**	**0**	**6**
12:00 P.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
1:00 P.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
2:00 P.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	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	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
4:00 P.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 P.M.	0	1	0	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	0	1
6:00 P.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:00 P.M.	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
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	1	0	0	0	0	0	1	0	0	0	0	0	1
10:00 P.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	1	1	1	1	0	0	2
11:00 P.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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	2
Total P.M.	**1**	**2**	**0**	**2**	**0**	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**0**	**1**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**2**	**1**	**1**	**1**	**0**	**0**	**5**	**6**	**2**	**3**	**0**	**0**	**11**
Grand Total	**1**	**4**	**0**	**3**	**0**	**3**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**0**	**1**	**0**	**0**	**0**	**2**	**1**	**1**	**0**	**1**	**0**	**3**	**2**	**2**	**1**	**1**	**0**	**8**	**9**	**4**	**4**	**2**	**0**	**17**

TABLE 45D 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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1
1:00 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.	2	0	2	0	2	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	0	0	0	0	0	2	1	2	1	2	1	3
3:00 A.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
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	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1
5:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	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
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	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
8:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total A.M.	**3**	**0**	**3**	**0**	**2**	**0**	**1**	**0**	**1**	**0**	**1**	**0**	**1**	**0**	**1**	**0**	**0**	**0**	**1**	**1**	**0**	**1**	**0**	**1**	**1**	**0**	**1**	**0**	**0**	**0**	**1**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**8**	**1**	**7**	**1**	**3**	**1**	**9**
12:00 P.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1:00 P.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	2
3:00 P.M.	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
4:00 P.M.	0	0	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	1
5:00 P.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:00 P.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:00 P.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	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	1	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	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	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	1
10:00 P.M.	1	0	1	0	1	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	0	0	0	0	0	1	1	1	0	1	1	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	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1
Total P.M.	**1**	**0**	**1**	**0**	**1**	**0**	**1**	**2**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**3**	**1**	**2**	**0**	**1**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**0**	**2**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**7**	**3**	**5**	**1**	**3**	**1**	**10**
Grand Total	**4**	**0**	**4**	**0**	**3**	**0**	**2**	**2**	**1**	**1**	**1**	**0**	**1**	**0**	**1**	**0**	**0**	**0**	**4**	**2**	**2**	**2**	**1**	**2**	**1**	**0**	**1**	**0**	**0**	**0**	**3**	**0**	**3**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**15**	**4**	**12**	**3**	**6**	**2**	**19**

HOURLY AND DAILY INCIDENCE - MAJOR CLASSIFICATIONS

TABLE 46

	Sunday								Monday								Tuesday								Wednesday							
	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
12:00 A.M.	1	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	0	0	0	0	0
1:00 A.M.	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
2:00 A.M.	1	0	0	0	0	0	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
3:00 A.M.	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
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
5:00 A.M.	0	0	0	0	0	2	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
6:00 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
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	1	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	1	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	1	0	0	0	0	0	0
10:00 A.M.	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	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	1	0	0	0	0	0	0	0
Total A.M.	2	1	0	0	0	2	3	0	0	1	2	0	0	0	1	0	2	1	1	0	0	0	1	0	4	1	0	0	0	0	1	1
12:00 P.M.	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0
1:00 P.M.	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	0	0	0	0
2:00 P.M.	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	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	1	0	1	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0
4:00 P.M.	0	1	0	0	0	0	0	0	2	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 P.M.	1	0	0	0	0	1	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
6:00 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	1	0
7:00 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	0	0	1	0
8:00 P.M.	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
9:00 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	1	0
10:00 P.M.	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	0	0	0	0	0	0	1
11:00 P.M.	3	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	1	0
Total P.M.	7	1	0	0	1	2	1	0	6	2	1	0	0	0	1	2	4	1	2	0	0	2	0	0	1	3	1	0	0	0	3	1
Grand Total	9	2	0	0	1	4	4	0	6	3	3	0	0	0	2	2	6	2	3	0	0	2	1	0	5	4	1	0	0	0	4	2

	Thursday								Friday								Saturday								Totals								
	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	Grand Total
12:00 A.M.	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	1	0	0	1	0	1	0	5
1:00 A.M.	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	1	0	1	0	0	0	0	0	3	0	3	0	0	0	0	0	6
2:00 A.M.	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	2	2	1	0	1	0	2	1	9
3:00 A.M.	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	1	0	0	0	0	2	0	3
4:00 A.M.	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	2
5:00 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	1	0	1	0	0	2	1	0	5
6:00 A.M.	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	2
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	1	0	0	0	0	0	0	0	1	1	0	2
8:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
9:00 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	1	1	0	0	0	0	0	0	2
10:00 A.M.	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	3	1	0	0	1	0	0	0	5
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	0	1
Total A.M.	1	2	0	0	0	0	1	0	4	0	1	0	2	0	1	0	1	2	2	0	1	1	0	0	14	8	6	0	3	3	8	1	43
12:00 P.M.	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	0	0	1	0	0	5
1:00 P.M.	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	1	0	0	1	0	0	6
2:00 P.M.	1	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	6	0	0	0	0	1	1	1	9
3:00 P.M.	0	0	0	0	1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	2	0	0	1	0	1	0	7
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	3	1	0	0	0	0	0	1	5
5:00 P.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	1	0	0	4
6:00 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	2	0	0	0	0	0	0	0	2
7:00 P.M.	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	1	0	2	0	4
8:00 P.M.	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	4
9:00 P.M.	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	2	0	1	0	1	0	1	0	5
10:00 P.M.	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1	1	1	1	7
11:00 P.M.	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	6	1	1	0	1	1	1	0	11
Total P.M.	3	2	0	0	2	0	0	0	5	2	3	0	0	1	2	0	3	0	1	0	2	1	0	0	29	11	8	0	5	6	7	3	69
Grand Total	4	4	0	0	2	0	1	0	9	2	4	0	2	1	3	0	4	2	3	0	3	2	0	0	43	19	14	0	8	9	15	4	112

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

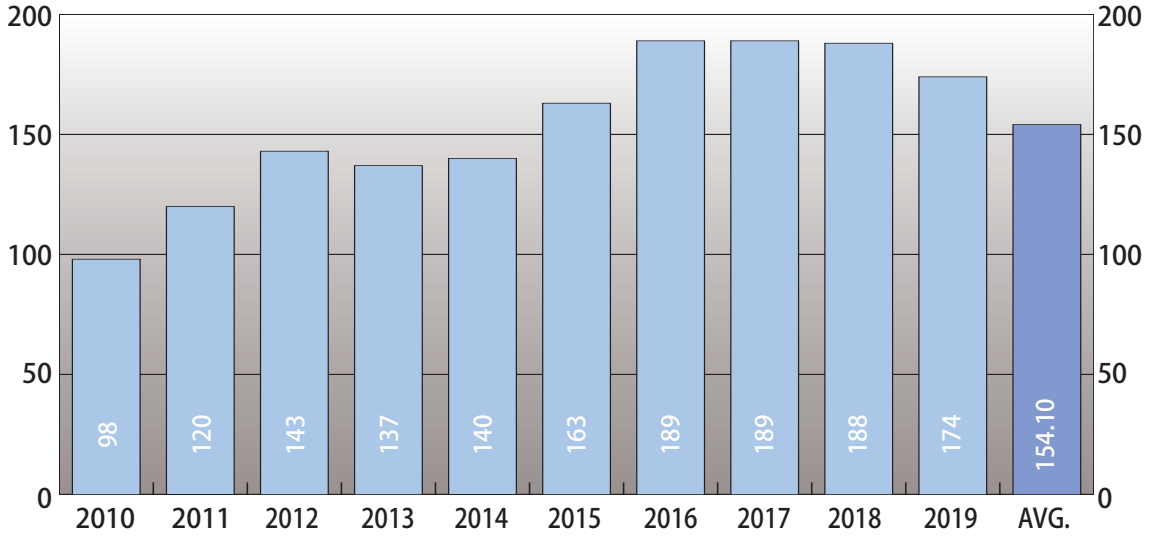
TABLE 47 HOURLY AND DAILY INCIDENCE* ARRANGED BY AGE GROUPS

	Sunday						Monday						Tuesday						Wednesday						Thursday						Friday						Saturday						Totals						
	Pre-School		School		Adult		Pre-School		School		Adult		Pre-School		School		Adult		Pre-School		School		Adult		Pre-School		School		Adult		Pre-School		School		Adult		Pre-School		School		Adult		Pre-School		School		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	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	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	3	1	5
1:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2	0	0	0	0	0	6	0	6
2:00 A.M.	0	0	0	0	3	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	6	3	9
3:00 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	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	2	1	3
4:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2	0	2
5:00 A.M.	0	0	0	0	0	2	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	1	0	0	0	0	0	3	2	5
6:00 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	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2
7:00 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	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	2
8:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	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
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	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
10:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	2	0	2	1	5
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	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 A.M.	**0**	**0**	**1**	**0**	**4**	**3**	**0**	**0**	**0**	**0**	**3**	**1**	**0**	**0**	**0**	**0**	**4**	**1**	**0**	**0**	**1**	**0**	**5**	**2**	**0**	**0**	**0**	**0**	**2**	**2**	**0**	**0**	**1**	**0**	**7**	**0**	**0**	**0**	**0**	**0**	**4**	**3**	**0**	**0**	**3**	**0**	**29**	**12**	**44**
12:00 P.M.	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	1	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	3	2	5
1:00 P.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	2	5	7
2:00 P.M.	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	2	1	0	0	0	0	1	0	0	0	0	0	7	2	9
3:00 P.M.	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	2	0	0	0	0	1	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	5	2	7
4:00 P.M.	0	0	0	0	0	1	0	0	0	0	2	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	0	0	0	0	0	0	0	0	0	3	2	5
5:00 P.M.	0	0	0	0	1	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	4
6:00 P.M.	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	4
7:00 P.M.	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	5	0	5
8:00 P.M.	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	4	0	4
9:00 P.M.	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	1	0	0	0	1	0	5	0	6
10:00 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	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	4	3	7
11:00 P.M.	0	0	0	0	3	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	10	2	12
Total P.M.	**0**	**0**	**1**	**0**	**8**	**3**	**0**	**0**	**0**	**0**	**9**	**4**	**0**	**0**	**0**	**0**	**7**	**3**	**0**	**0**	**0**	**0**	**6**	**4**	**0**	**0**	**0**	**0**	**6**	**2**	**0**	**0**	**0**	**0**	**11**	**3**	**0**	**0**	**0**	**0**	**7**	**1**	**0**	**0**	**1**	**0**	**54**	**20**	**75**
Grand Total	**0**	**0**	**2**	**0**	**12**	**6**	**0**	**0**	**0**	**0**	**12**	**5**	**0**	**0**	**0**	**0**	**11**	**4**	**0**	**0**	**1**	**0**	**11**	**6**	**0**	**0**	**0**	**0**	**8**	**4**	**0**	**0**	**1**	**0**	**18**	**3**	**0**	**0**	**0**	**0**	**11**	**4**	**0**	**0**	**4**	**0**	**83**	**32**	**119**

***Day and/or time is unknown for 12 cases.**

2019 HOMICIDES

FOR A PERIOD OF TEN YEARS



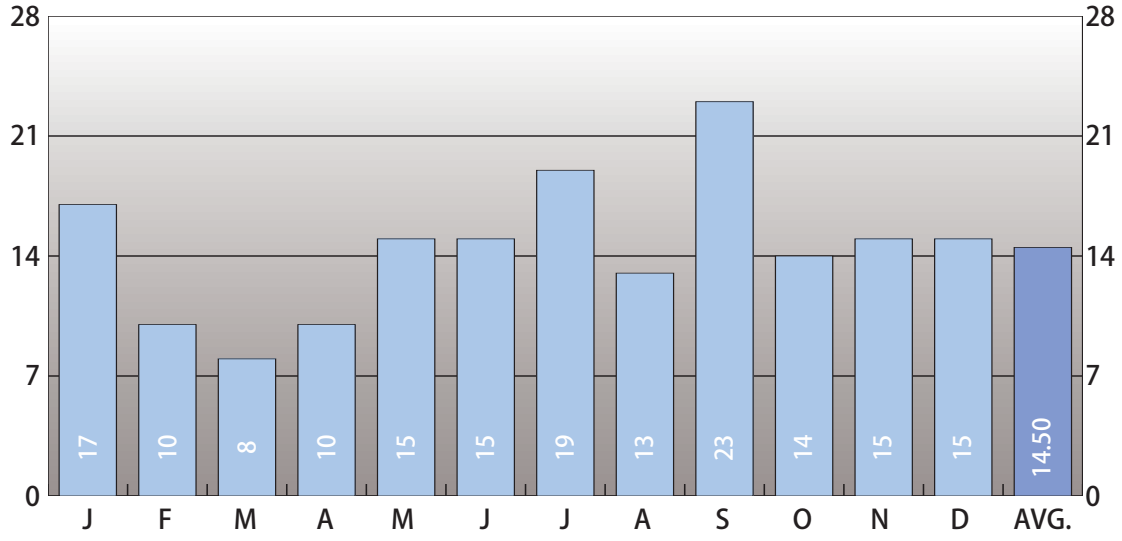
2019

TOTAL CASES

174

2019 HOMICIDES

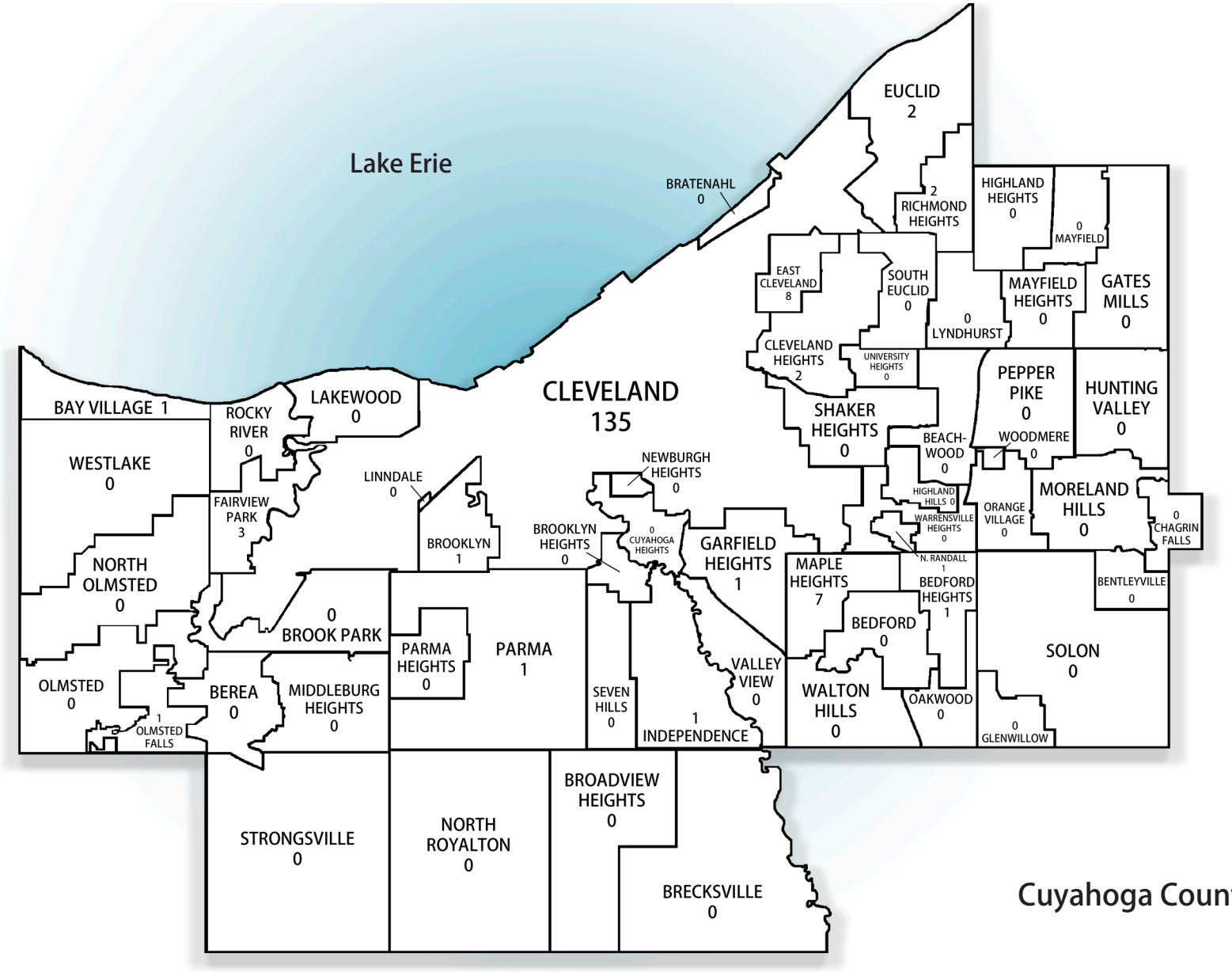
BY MONTH FOR THE YEAR 2019



		Number	Percent
Gender	Male	140	0.80
	Female	34	0.20
Race	White	26	0.15
	Black	146	0.84
	Other	2	0.01
Ethnicity	Hispanic	3	0.02
	Non-Hispanic	171	0.98
Ethanol	Tested	160	0.92
	Positive	67	0.42
Autopsied		174	100.00

MAP 5

DISTRIBUTION OF HOMICIDES BY CITY*



Cuyahoga County, Ohio

*Injury location is unknown for 4 cases and 3 cases are from outside of Cuyahoga County.

DISTRIBUTION OF HOMICIDES BY CITY*

MAP 5

Cities			
Cleveland	135	Maple Heights	7
Bay Village	1	Mayfield Heights	0
Beachwood	0	Middleburg Heights	0
Bedford	0	North Olmsted	0
Bedford Heights	1	North Royalton	0
Berea	0	Olmsted Falls	1
Brecksville	0	Parma	1
Broadview Heights	0	Parma Heights	0
Brooklyn	1	Pepper Pike	0
Brook Park	0	Richmond Heights	2
Cleveland Heights	2	Rocky River	0
East Cleveland	8	Seven Hills	0
Euclid	2	Shaker Heights	0
Fairview Park	3	Solon	0
Garfield Heights	1	South Euclid	0
Highland Heights	0	Strongsville	0
Independence	1	University Heights	0
Lakewood	0	Warrensville Heights	0
Lyndhurst	0	Westlake	0
Villages			
Bentleyville	0	Mayfield Village	0
Bratenahl	0	Moreland Hills	0
Brooklyn Heights	0	Newburgh Heights	0
Cuyahoga Heights	0	North Randall	1
Gates Mills	0	Oakwood Village	0
Glenwillow	0	Orange Village	0
Highland Hills	0	Valley View	0
Hunting Valley	0	Walton Hills	0
Linndale	0	Woodmere	0
Townships			
Chagrin Falls	0	Olmsted Township	0

TABLE 48 MONTHLY ETHANOL INCIDENCE

		Total		Cleveland		County		Out of County		Unknown		Not Tested		Tested						Stages					
														Total		Negative		Positive		≥0.01% - ≤ 0.079%		≥0.08% - < 0.17%		≥0.17%	
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.	17	15	2	11	1	3	1	1	0	0	0	0	0	15	2	5	2	10	0	2	0	3	0	5	0
Feb.	10	9	1	7	1	1	0	1	0	0	0	0	0	9	1	8	1	1	0	1	0	0	0	0	0
Mar.	8	8	0	5	0	3	0	0	0	0	0	0	0	8	0	4	0	4	0	2	0	1	0	1	0
Apr.	10	9	1	9	1	0	0	0	0	0	0	1	0	8	1	3	1	5	0	1	0	3	0	1	0
May	15	13	2	9	0	2	2	1	0	1	0	2	0	11	2	5	1	6	1	3	0	3	0	0	1
Jun.	15	11	4	9	3	2	1	0	0	0	0	0	0	11	4	8	4	3	0	1	0	0	0	2	0
July	19	15	4	12	3	2	1	0	0	1	0	1	0	14	4	5	2	9	2	5	1	3	1	1	0
Aug.	13	8	5	6	3	1	2	0	0	1	0	1	2	7	3	4	0	3	3	1	1	1	1	1	1
Sept.	23	20	3	18	2	2	1	0	0	0	0	3	2	17	1	11	1	6	0	2	0	2	0	2	0
Oct.	14	9	5	8	3	1	1	0	0	0	1	0	0	9	5	7	5	2	0	2	0	0	0	0	0
Nov.	15	13	2	10	2	3	0	0	0	0	0	0	0	13	2	8	2	5	0	1	0	3	0	1	0
Dec.	15	10	5	9	3	1	2	0	0	0	0	0	2	10	3	5	1	5	2	3	1	1	1	1	0
Total	**174**	**140**	**34**	**113**	**22**	**21**	**11**	**3**	**0**	**3**	**1**	**8**	**6**	**132**	**28**	**73**	**20**	**59**	**8**	**24**	**3**	**20**	**3**	**15**	**2**

AGE - RACE - ETHNICITY - ETHANOL INCIDENCE

TABLE 49

			Ethnicity		Not Tested		Tested						Stages					
							Total		Negative		Positive		≥0.01% - ≤ 0.079%		≥0.08% - < 0.17%		≥0.17%	
Age	Race	Total	Hispanic	Non-Hispanic	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Under 1 Year	White	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
	Other	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
	Black	3	0	3	0	0	1	2	1	2	0	0	0	0	0	0	0	0
	Other	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
	Black	2	0	2	0	0	1	1	1	1	0	0	0	0	0	0	0	0
	Other	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
	Black	3	0	3	0	1	2	0	2	0	0	0	0	0	0	0	0	0
	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 - 19	White	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	Black	20	1	19	0	1	17	2	12	1	5	1	4	0	1	1	0	0
	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 - 24	White	1	0	1	0	0	1	0	0	0	1	0	0	0	0	0	1	0
	Black	28	0	28	4	2	21	1	16	1	5	0	3	0	1	0	1	0
	Other	1	0	1	0	0	1	0	0	0	1	0	0	0	0	0	1	0

TABLE 49 AGE - RACE - ETHNICITY - ETHANOL INCIDENCE (continued)

			Ethnicity		Not Tested		Tested						Stages					
							Total		Negative		Positive		≥0.01% - ≤ 0.079%		≥0.08% - < 0.17%		≥0.17%	
Age	Race	Total	Hispanic	Non-Hispanic	M	F	M	F	M	F	M	F	M	F	M	F	M	F
25 - 29	White	1	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0
	Black	27	1	26	0	0	25	2	12	1	13	1	4	1	7	0	2	0
	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 - 34	White	6	1	5	0	0	4	2	2	2	2	0	1	0	1	0	0	0
	Black	16	0	16	0	0	15	1	5	1	10	0	4	0	2	0	4	0
	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 - 39	White	4	0	4	0	1	2	1	1	1	1	0	0	0	1	0	0	0
	Black	13	0	13	0	0	9	4	3	0	6	4	2	1	1	1	3	2
	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 - 44	White	3	0	3	0	0	2	1	1	1	1	0	0	0	0	0	1	0
	Black	9	0	9	1	0	7	1	1	1	6	0	3	0	2	0	1	0
	Other	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
	Black	6	0	6	0	0	6	0	3	0	3	0	1	0	2	0	0	0
	Other	1	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0
50 - 54	White	1	0	1	0	0	1	0	0	0	1	0	1	0	0	0	0	0
	Black	5	0	5	0	0	4	1	3	1	1	0	1	0	0	0	0	0
	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

AGE - RACE - ETHNICITY - ETHANOL INCIDENCE (continued)

TABLE 49

			Ethnicity		Not Tested		Tested						Stages					
							Total		Negative		Positive		≥0.01% - ≤ 0.079%		≥0.08% - < 0.17%		≥0.17%	
Age	Race	Total	Hispanic	Non-Hispanic	M	F	M	F	M	F	M	F	M	F	M	F	M	F
55 - 59	White	3	0	3	1	0	1	1	0	1	1	0	0	0	0	0	1	0
	Black	5	0	5	0	0	4	1	3	1	1	0	0	0	1	0	0	0
	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60 - 64	White	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	6	0	6	0	0	3	3	2	2	1	1	0	1	1	0	0	0
	Other	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	0	1	0	1	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
	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70 - 74	White	3	0	3	0	0	2	1	2	0	0	1	0	0	0	1	0	0
	Black	1	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0
	Other	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
	Black	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	Other	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	1	0	1	0	0	0	0	0	0	0	0	0
	Black	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 49 AGE - RACE - ETHNICITY - ETHANOL INCIDENCE (continued)

			Ethnicity		Not Tested		Tested						Stages					
							Total		Negative		Positive		≥0.01% - ≤ 0.079%		≥0.08% - < 0.17%		≥0.17%	
Age	Race	Total	Hispanic	Non-Hispanic	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Total	White	26	1	25	2	2	14	8	7	7	7	1	2	0	2	1	3	0
	Black	146	2	144	6	4	116	20	65	13	51	7	22	3	18	2	11	2
	Other	2	0	2	0	0	2	0	1	0	1	0	0	0	0	0	1	0
Grand Total		**174**	**3**	**171**	**8**	**6**	**132**	**28**	**73**	**20**	**59**	**8**	**24**	**3**	**20**	**3**	**15**	**2**

MODE - ETHANOL INCIDENCE

TABLE 50

		Total		Cleveland		County		Out of County		Unknown		Not Tested		Tested						Stages					
														Total		Negative		Positive		≥0.01% - ≤ 0.079%		≥0.08% - < 0.17%		≥0.17%	
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
Asphyxia	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
Assault	17	11	6	7	4	3	2	1	0	0	0	1	2	10	4	4	3	6	1	3	0	1	1	2	0
Miscellaneous	5	2	3	2	2	0	0	0	0	0	1	0	1	2	2	2	2	0	0	0	0	0	0	0	0
Shooting	144	122	22	101	15	16	7	2	0	3	0	7	3	115	19	65	12	50	7	20	3	18	2	12	2
Stabbing	6	5	1	3	1	2	0	0	0	0	0	0	0	5	1	2	1	3	0	1	0	1	0	1	0
Total	**174**	**140**	**34**	**113**	**22**	**21**	**11**	**3**	**0**	**3**	**1**	**8**	**6**	**132**	**28**	**73**	**20**	**59**	**8**	**24**	**3**	**20**	**3**	**15**	**2**

TABLE 51 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	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	2	2
Assault	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	1	1	3	1	1	0	2	1	0	1	1	0	0	0	1	1	0	0	1	0	11	6	17
Miscellaneous	0	0	0	2	1	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	2	3	5
Shooting	0	0	1	0	0	1	2	0	15	4	26	1	24	3	18	2	9	5	7	1	5	0	3	0	6	1	3	2	0	2	2	0	1	0	0	0	122	22	144
Stabbing	0	0	0	0	0	0	0	0	1	0	1	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	5	1	6
Total	**0**	**0**	**1**	**2**	**1**	**1**	**2**	**1**	**17**	**4**	**27**	**3**	**25**	**3**	**19**	**3**	**11**	**6**	**10**	**2**	**7**	**0**	**5**	**1**	**6**	**2**	**4**	**3**	**0**	**2**	**3**	**1**	**1**	**0**	**1**	**0**	**140**	**34**	**174**

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

TABLE 52

		Total		Cleveland		County		Out of County		Unknown		Not Tested		Tested						Stages					
														Total		Negative		Positive		≥0.01% - ≤ 0.079%		≥0.08% - < 0.17%		≥0.17%	
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**
Other Circumstances:																									
Police	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
Public Circumstances:																									
During or Following the Commission or Attempted Commission of a Felony																									
Acquaintance	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
Police	2	2	0	1	0	1	0	0	0	0	0	0	0	2	0	1	0	1	0	0	0	0	0	1	0
Stranger	3	1	2	1	0	0	2	0	0	0	0	0	1	1	1	0	1	1	0	1	0	0	0	0	0
Total	**7**	**5**	**2**	**3**	**0**	**2**	**2**	**0**	**0**	**0**	**0**	**0**	**1**	**5**	**1**	**1**	**1**	**4**	**0**	**1**	**0**	**1**	**0**	**2**	**0**

TABLE 53A 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% - ≤ 0.079%		≥0.08% - < 0.17%		≥0.17%	
		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	5	0	3	0	0	0	0	0	0	0	0	0	5	0	4	0	1	0	0	0	0	0	1	0
Boyfriend	3	1	2	1	1	0	1	0	0	0	0	0	0	1	2	0	1	1	1	1	0	0	0	0	1
Girlfriend	3	3	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	3	0	0	0	2	0	1	0
Unknown	**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**
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	0	0	1	0	1	0	0	0	0	0
Unknown	8	6	2	6	2	0	0	0	0	0	0	0	0	6	2	5	1	1	1	1	1	0	0	0	0
Other Home Circumstances																									
Acquaintance	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
Former Partner	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0
Granddaughter	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
Neighbor	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
Unknown	6	2	4	2	3	0	0	0	0	0	1	0	0	2	4	1	4	1	0	0	0	1	0	0	0
Unknown Home Circumstances																									
Acquaintance	2	1	1	1	1	0	0	0	0	0	0	0	0	1	1	0	1	1	0	1	0	0	0	0	0
Boyfriend	2	0	2	0	1	0	1	0	0	0	0	0	0	0	2	0	1	0	1	0	1	0	0	0	0
Daughter	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
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
Grandson	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
Husband	3	0	3	0	0	0	3	0	0	0	0	0	0	0	3	0	2	0	1	0	0	0	0	1	0	0
Neighbor	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
Roommate	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
Son	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
Unknown	18	17	1	13	1	4	0	0	0	0	0	0	1	17	0	14	0	3	0	2	0	0	0	1	0
Total	**62**	**41**	**21**	**31**	**14**	**5**	**6**	**0**	**0**	**0**	**1**	**1**	**1**	**40**	**20**	**25**	**14**	**15**	**6**	**7**	**3**	**3**	**2**	**5**	**1**

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

TABLE 53B

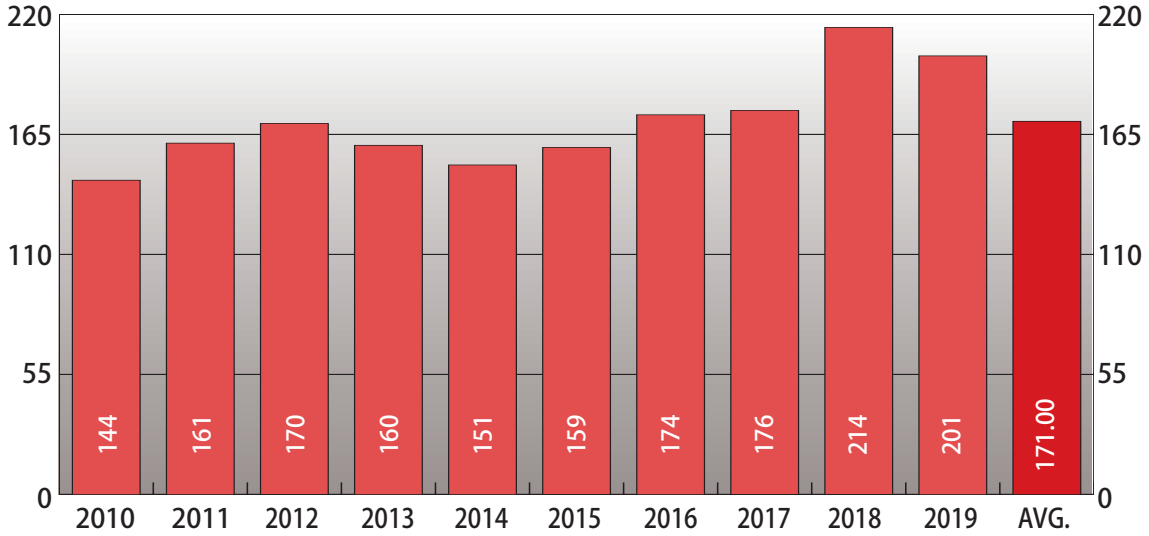
		Total		Cleveland		County		Out of County		Unknown		Not Tested		Tested						Stages					
														Total		Negative		Positive		≥0.01% - ≤ 0.079%		≥0.08% - < 0.17%		≥0.17%	
Circumstances / Assailants	Total	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Public Circumstances: During or Following an Argument Acquaintance	4	3	1	2	0	0	1	1	0	0	0	0	1	3	0	3	0	0	0	0	0	0	0	0	0
Other Relative	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
Stranger	5	4	1	4	0	0	1	0	0	0	0	0	0	4	1	1	0	3	1	0	0	2	0	1	1
Unknown	14	13	1	11	1	2	0	0	0	0	0	1	0	12	1	4	0	8	1	2	0	3	1	3	0
During or Following the Commission or Attempted Commission of a Felony Acquaintance	2	2	0	2	0	0	0	0	0	0	0	0	0	2	0	1	0	1	0	1	0	0	0	0	0
Stranger	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
Unknown	7	7	0	7	0	0	0	0	0	0	0	0	0	7	0	4	0	3	0	2	0	1	0	0	0
Other Public Circumstances Security	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
Stranger	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
Unknown	**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**
Unknown Public Circumstances Acquaintance	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
Unknown	**67**	**60**	**7**	**50**	**6**	**5**	**1**	**2**	**0**	**3**	**0**	**6**	**3**	**54**	**4**	**32**	**4**	**22**	**0**	**10**	**0**	**9**	**0**	**3**	**0**
Total	**105**	**94**	**11**	**79**	**7**	**9**	**4**	**3**	**0**	**3**	**0**	**7**	**4**	**87**	**7**	**47**	**5**	**40**	**2**	**16**	**0**	**16**	**1**	**8**	**1**

TABLE 54 HOMICIDES IN CUYAHOGA COUNTY FOR THE PAST 25 YEARS

Year	Total Homicides	Firearms	Firearm Percentage of Total	Blunt Violence	Edged and Pointed Weapons	Strangulation	All Others
1995	166	108	65.06	21	23	5	9
1996	144	93	64.58	22	15	5	9
1997	120	70	58.33	24	11	7	8
1998	123	76	61.79	23	7	5	12
1999	106	72	67.92	20	7	4	3
2000	100	56	56.00	15	16	3	10
2001	110	69	62.73	24	9	4	4
2002	117	65	55.56	18	20	4	10
2003	113	60	53.10	18	21	3	11
2004	108	71	65.74	13	11	4	9
2005	147	92	62.59	23	12	4	16
2006	146	101	69.18	19	15	2	9
2007	174	121	69.54	23	22	0	8
2008	124	85	68.55	18	10	2	9
2009	147	88	59.86	22	15	9	13
2010	98	67	68.37	9	8	7	7
2011	120	89	74.17	9	13	0	9
2012	143	100	69.93	24	9	7	3
2013	137	95	69.34	12	12	7	11
2014	140	105	75.00	14	12	2	7
2015	163	132	80.98	16	10	2	3
2016	189	150	79.37	25	8	2	4
2017	189	150	79.37	25	8	2	4
2018	188	132	70.21	33	14	2	7
2019	174	144	82.76	17	6	2	5

2019 SUICIDES

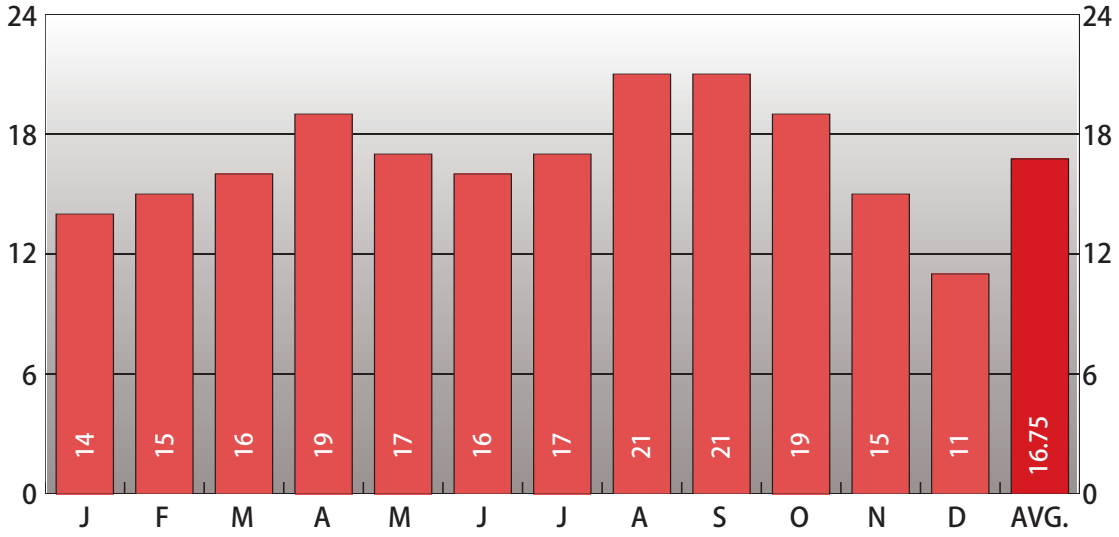
FOR A PERIOD OF TEN YEARS



2019
TOTAL CASES
201

2019 SUICIDES

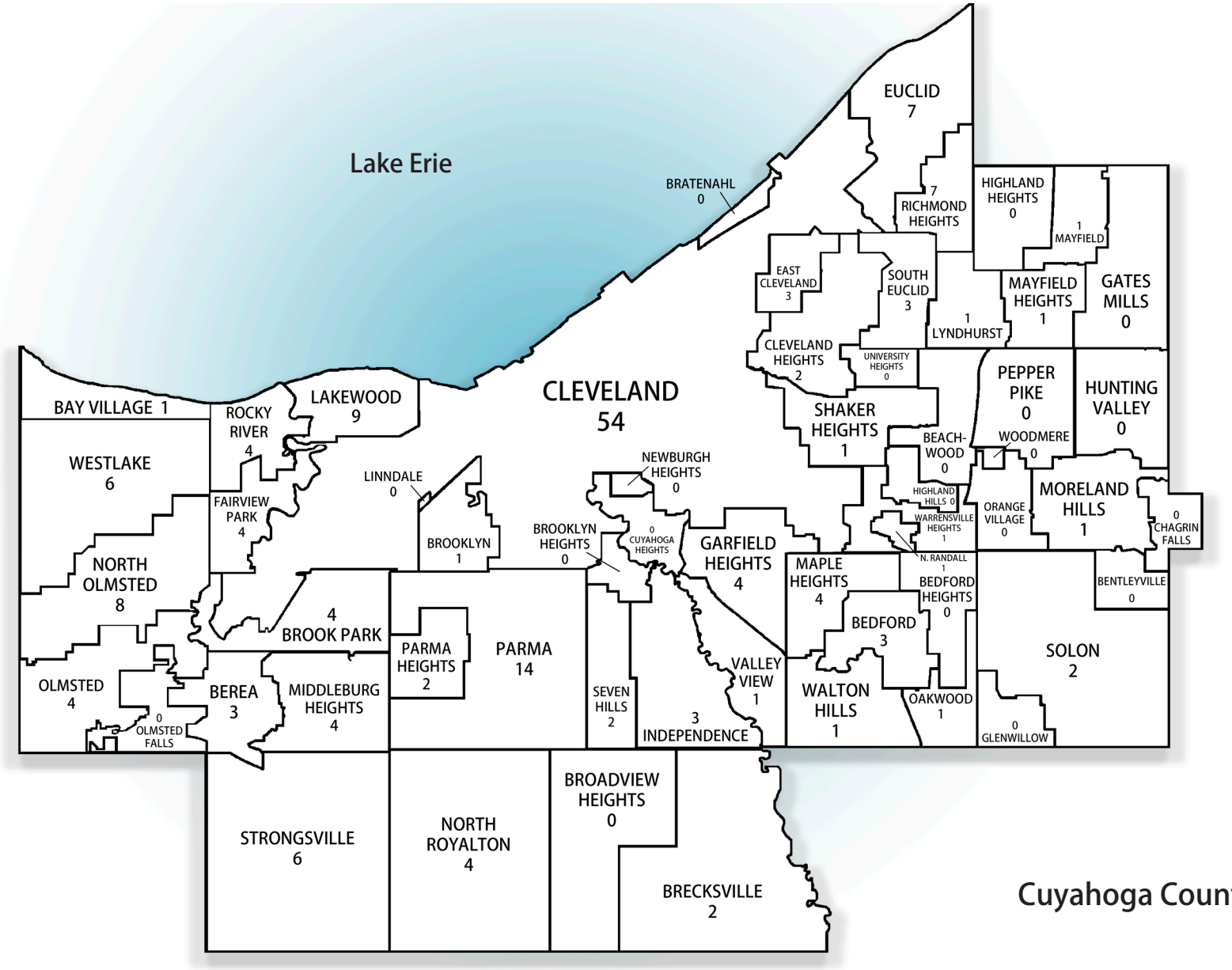
BY MONTH FOR THE YEAR 2019



		Number	Percent
Gender	Male	152	75.62%
	Female	49	24.38%
Race	White	159	79.10%
	Black	39	19.40%
	Asian	3	1.49%
Ethnicity	Hispanic	9	4.48%
	Non-Hispanic	192	0.96%
Ethanol	Tested	175	87.06%
	Positive	65	37.14%
Autopsied		169	84.08%

MAP 6

DISTRIBUTION OF SUICIDES BY CITY*



Cuyahoga County, Ohio

*18 cases are from outside of Cuyahoga County.

DISTRIBUTION OF SUICIDES BY CITY*

MAP 6

Cities			
Cleveland	54	Maple Heights	4
Bay Village	1	Mayfield Heights	1
Beachwood	0	Middleburg Heights	4
Bedford	3	North Olmsted	8
Bedford Heights	0	North Royalton	4
Berea	3	Olmsted Falls	0
Brecksville	2	Parma	14
Broadview Heights	0	Parma Heights	2
Brooklyn	1	Pepper Pike	0
Brook Park	4	Richmond Heights	7
Cleveland Heights	2	Rocky River	4
East Cleveland	3	Seven Hills	2
Euclid	7	Shaker Heights	1
Fairview Park	4	Solon	2
Garfield Heights	4	South Euclid	3
Highland Heights	0	Strongsville	6
Independence	3	University Heights	0
Lakewood	9	Warrensville Heights	1
Lyndhurst	1	Westlake	6
Villages			
Bentleyville	0	Mayfield Village	1
Bratenahl	0	Moreland Hills	1
Brooklyn Heights	0	Newburgh Heights	0
Cuyahoga Heights	0	North Randall	1
Gates Mills	0	Oakwood Village	1
Glenwillow	0	Orange Village	0
Highland Hills	0	Valley View	1
Hunting Valley	0	Walton Hills	1
Linndale	0	Woodmere	0
Townships			
Chagrin Falls	0	Olmsted Township	4

TABLE 55 MONTHLY ETHANOL INCIDENCE

		Total		Cleveland		County		Out of County		Unknown		Not Tested		Tested						Stages					
														Total		Negative		Positive		≥0.01% - ≤ 0.079%		≥0.08% - < 0.17%		≥0.17%	
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.	14	11	3	2	2	7	1	2	0	0	0	2	0	9	3	5	1	4	2	1	0	3	0	0	2
Feb.	15	11	4	4	1	6	3	1	0	0	0	2	0	9	4	4	3	5	1	2	0	1	0	2	1
Mar.	16	13	3	2	1	11	2	0	0	0	0	3	2	10	1	7	1	3	0	1	0	2	0	0	0
Apr.	19	14	5	6	1	8	4	0	0	0	0	0	0	14	5	6	5	8	0	2	0	3	0	3	0
May	17	15	2	3	0	10	1	2	1	0	0	1	0	14	2	7	1	7	1	6	0	1	0	0	1
Jun.	16	12	4	3	1	7	3	2	0	0	0	0	1	12	3	8	3	4	0	1	0	1	0	2	0
July	17	14	3	4	0	9	3	1	0	0	0	1	0	13	3	9	3	4	0	2	0	0	0	2	0
Aug.	21	12	9	2	0	6	8	4	1	0	0	2	1	10	8	7	5	3	3	1	0	2	2	0	1
Sept.	21	17	4	5	0	12	4	0	0	0	0	1	1	16	3	12	1	4	2	2	1	0	1	2	0
Oct.	19	13	6	6	0	5	5	2	1	0	0	3	1	10	5	6	5	4	0	0	0	1	0	3	0
Nov.	15	11	4	5	1	6	1	0	2	0	0	4	0	7	4	3	2	4	2	0	0	1	2	3	0
Dec.	11	9	2	4	1	3	1	2	0	0	0	1	0	8	2	4	2	4	0	3	0	0	0	1	0
Total	**201**	**152**	**49**	**46**	**8**	**90**	**36**	**16**	**5**	**0**	**0**	**20**	**6**	**132**	**43**	**78**	**32**	**54**	**11**	**21**	**1**	**15**	**5**	**18**	**5**

AGE - RACE - ETHNICITY - ETHANOL INCIDENCE

TABLE 56

			Ethnicity		Not Tested		Tested						Stages					
							Total		Negative		Positive		≥0.01% - ≤ 0.079%		≥0.08% - < 0.17%		≥0.17%	
Age	Race	Total	Hispanic	Non-Hispanic	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
	Black	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
10 - 14	White	2	0	2	1	0	0	1	0	1	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
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 - 19	White	7	0	7	0	0	1	6	1	6	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
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 - 24	White	9	0	9	0	0	9	0	7	0	2	0	1	0	1	0	0	0
	Black	7	0	7	1	1	4	1	1	1	3	0	1	0	1	0	1	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 - 29	White	14	1	13	1	0	9	4	4	3	5	1	2	0	1	0	2	1
	Black	5	0	5	0	0	4	1	3	0	1	1	0	0	0	1	1	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 - 34	White	20	0	20	1	0	16	3	8	2	8	1	4	0	0	1	4	0
	Black	2	0	2	0	0	2	0	1	0	1	0	0	0	0	0	1	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 - 39	White	11	1	10	0	0	7	4	6	3	1	1	1	0	0	1	0	0
	Black	3	1	2	0	0	2	1	0	1	2	0	0	0	1	0	1	0
	Asian	1	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0
40 - 44	White	13	1	12	0	0	10	3	5	2	5	1	2	0	1	0	2	1
	Black	3	0	3	1	0	2	0	2	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
45 - 49	White	10	2	8	0	0	9	1	5	1	4	0	1	0	2	0	1	0
	Black	3	0	3	1	0	2	0	1	0	1	0	0	0	1	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 - 54	White	19	0	19	0	2	9	8	6	4	3	4	0	0	2	1	1	3
	Black	2	0	2	0	1	0	1	0	1	0	0	0	0	0	0	0	0
	Asian	1	0	1	0	0	1	0	0	0	1	0	0	0	1	0	0	0

TABLE 56 AGE - RACE - ETHNICITY - ETHANOL INCIDENCE (continued)

			Ethnicity		Not Tested		Tested						Stages					
							Total		Negative		Positive		≥0.01% - ≤ 0.079%		≥0.08% - < 0.17%		≥0.17%	
Age	Race	Total	Hispanic	Non-Hispanic	M	F	M	F	M	F	M	F	M	F	M	F	M	F
55 - 59	White	8	1	7	1	0	6	1	3	1	3	0	0	0	2	0	1	0
	Black	2	0	2	0	0	2	0	2	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
60 - 64	White	20	1	19	1	2	13	4	6	3	7	1	5	1	1	0	1	0
	Black	3	0	3	0	0	2	1	2	1	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
65 - 69	White	9	1	8	2	0	6	1	3	0	3	1	1	0	1	1	1	0
	Black	2	0	2	1	0	1	0	0	0	1	0	1	0	0	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70 - 74	White	6	0	6	2	0	3	1	2	1	1	0	0	0	0	0	1	0
	Black	1	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75 - 79	White	2	0	2	1	0	1	0	0	0	1	0	1	0	0	0	0	0
	Black	3	0	3	0	0	3	0	2	0	1	0	1	0	0	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80 and Over	White	9	0	9	5	0	3	1	3	1	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
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	White	159	8	151	15	4	102	38	59	28	43	10	18	1	11	4	14	5
	Black	39	1	38	5	2	27	5	17	4	10	1	3	0	3	1	4	0
	Asian	3	0	3	0	0	3	0	2	0	1	0	0	0	1	0	0	0
Grand Total		**201**	**9**	**192**	**20**	**6**	**132**	**43**	**78**	**32**	**54**	**11**	**21**	**1**	**15**	**5**	**18**	**5**

MODE - ETHANOL INCIDENCE

TABLE 57

		Total		Cleveland		County		Out of County		Unknown		Not Tested		Tested						Stages					
														Total		Negative		Positive		≥0.01% - ≤ 0.079%		≥0.08% - < 0.17%		≥0.17%	
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
Asphyxia	54	38	16	18	1	17	14	3	1	0	0	6	5	32	11	26	9	6	2	2	0	3	1	1	1
Carbon Monoxide	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
Cutting and Stabbing	2	2	0	0	0	1	0	1	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0
Jumping	12	8	4	2	2	6	2	0	0	0	0	0	0	8	4	4	3	4	1	1	0	3	0	0	1
Other	4	2	2	0	0	2	2	0	0	0	0	1	0	1	2	0	2	1	0	1	0	0	0	0	0
Poisoning	25	8	17	4	3	4	10	0	4	0	0	0	0	8	17	3	13	5	4	3	1	1	2	1	1
Shooting	102	93	9	21	2	60	7	12	0	0	0	12	1	81	8	43	4	38	4	14	0	8	2	16	2
Total	**201**	**152**	**49**	**46**	**8**	**90**	**36**	**16**	**5**	**0**	**0**	**20**	**6**	**132**	**43**	**78**	**32**	**54**	**11**	**21**	**1**	**15**	**5**	**18**	**5**

TABLE 58 MODE* - ETHANOL INCIDENCE

		Total		Cleveland		County		Out of County		Unknown		Not Tested		Tested						Stages					
														Total		Negative		Positive		≥0.01% - ≤ 0.079%		≥0.08% - < 0.17%		≥0.17%	
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
Asphyxia: Drowning	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
Hanging	51	35	16	17	1	15	14	3	1	0	0	5	5	30	11	25	9	5	2	1	0	3	1	1	1
Plastic Bag	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
Total	**54**	**38**	**16**	**18**	**1**	**17**	**14**	**3**	**1**	**0**	**0**	**6**	**5**	**32**	**11**	**26**	**9**	**6**	**2**	**2**	**0**	**3**	**1**	**1**	**1**
Carbon Monoxide: Auto Exhaust	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
Lawn Mower	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
Total	**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**
Jumping: Balcony	3	3	0	0	0	3	0	0	0	0	0	0	0	3	0	0	0	3	0	1	0	2	0	0	0
Bridge	7	4	3	2	1	2	2	0	0	0	0	0	0	4	3	3	2	1	1	0	0	1	0	0	1
Parking Garage	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
Window	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
Total	**12**	**8**	**4**	**2**	**2**	**6**	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**8**	**4**	**4**	**3**	**4**	**1**	**1**	**0**	**3**	**0**	**0**	**1**

***Does not include Cutting and Stabbing, Posioning, and Shooting Deaths.**

POISONINGS (OVERDOSES) - ETHANOL INCIDENCE

TABLE 59

		Total		Cleveland		County		Out of County		Unknown		Not Tested		Tested						Stages					
														Total		Negative		Positive		≥0.01% - ≤ 0.079%		≥0.08% - < 0.17%		≥0.17%	
Poisoning	Total	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Single Chemical Agent: Acetaminophen	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
Benzonatate	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
Colchicine	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
Insulin	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
Isopropanol	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
Methamphetamine	1	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0
Quetiapine	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
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
Two or More Chemical Agents: Acetaminophen, Diphenhydramine	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
Acetaminophen, Gabapentin, Hydrocodone, Quetiapine	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
Amitriptyline, Clonazepam, Hydrocodone, Pregabalin, Topiramate, Tramadol, Venlafaxine	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
Amphetamine, Flecainide, Sertraline, 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
Baclofen, Clonazepam, Clonidine, Gabapentin, Olanzapine, Phenobarbital,	1	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0
Bupropion, 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
Bupropion, Fluoxetine, Hydroxyzine, Mirtazapine	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
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
Sertraline, Venlafaxine	1	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0
Trazodone, Venlafaxine	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
Combined Effects of Ethanol & Single/Multiple Chemical Agents: Acetaldehyde, Ethyl Ether	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
Alprazolam, Gabapentin, Oxycodone, Venlafaxine	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
Benzodiazepines	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
Benztropine, Olanzapine	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
Buprenorphine, Buspirone, Clonazepam, Quetiapine, Topiramate	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
Diazepam	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
Doxepin	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
Total	**25**	**8**	**17**	**4**	**3**	**4**	**10**	**0**	**4**	**0**	**0**	**0**	**0**	**8**	**17**	**3**	**13**	**5**	**4**	**3**	**1**	**1**	**2**	**1**	**1**

TABLE 60 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	1	0	1	2	3	1	5	1	7	1	5	3	5	1	1	1	3	3	2	0	1	2	1	0	1	0	1	0	1	1	38	16	54
Carbon Monoxide	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2
Cutting and Stabbing	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	2	0	2
Jumping	0	0	0	0	0	1	0	0	0	1	1	0	0	0	1	1	1	0	2	0	0	0	3	1	0	0	0	0	0	0	0	0	8	4	12
Other	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	2	2	4
Poisoning	0	0	0	1	0	3	0	0	1	1	0	2	0	0	1	1	2	0	0	4	1	1	3	2	0	1	0	1	0	0	0	0	8	17	25
Shooting	0	0	0	0	2	0	11	1	8	1	11	0	5	2	7	0	6	0	5	4	6	0	8	1	8	0	4	0	4	0	8	0	93	9	102
Total	**0**	**0**	**1**	**1**	**3**	**6**	**14**	**2**	**14**	**5**	**19**	**3**	**10**	**5**	**14**	**3**	**12**	**1**	**10**	**12**	**9**	**1**	**16**	**7**	**10**	**1**	**6**	**1**	**5**	**0**	**9**	**1**	**152**	**49**	**201**

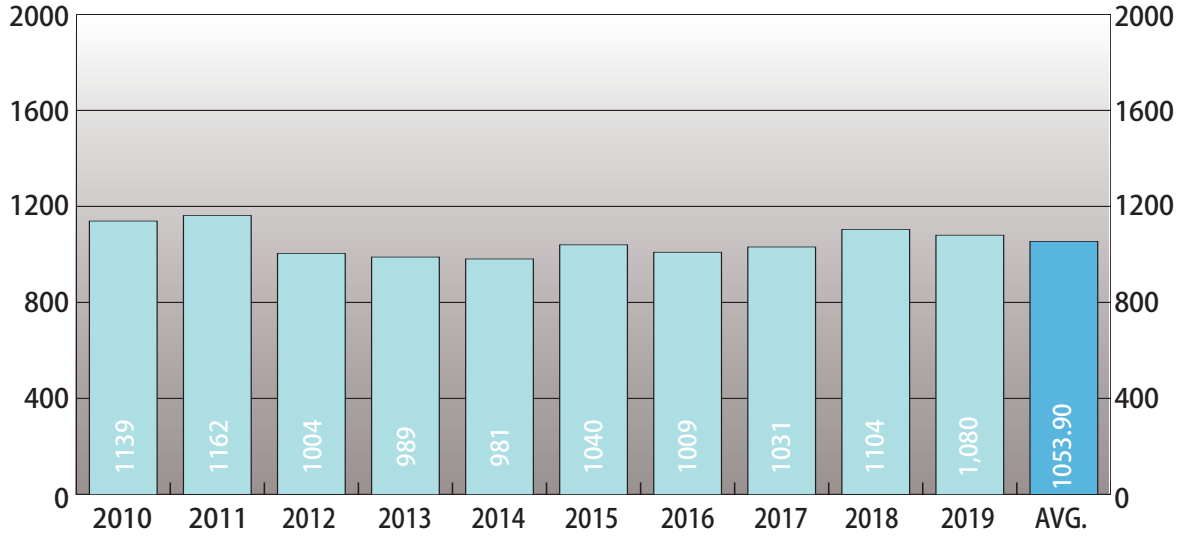
MODE, GEOGRAPHICAL LOCATION AND MARITAL STATUS

TABLE 61

	Cleveland												County												Out of County												
	Married		Single		Divorced		Widowed		Unknown		Total		Married		Single		Divorced		Widowed		Unknown		Total		Married		Single		Divorced		Widowed		Unknown		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	
Asphyxia	7	0	8	0	3	1	0	0	0	0	18	1	3	3	9	7	5	3	0	1	0	0	17	14	0	0	2	1	1	0	0	0	0	0	3	1	54
Carbon Monoxide	1	0	0	0	0	0	0	0	0	0	1	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	2
Cutting and Stabbing	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	1	0	2
Jumping	2	0	0	2	0	0	0	0	0	0	2	2	0	1	5	0	1	1	0	0	0	0	6	2	0	0	0	0	0	0	0	0	0	0	0	0	12
Other	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	2	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	4
Poisoning	1	1	2	1	1	1	0	0	0	0	4	3	1	0	3	4	0	5	0	1	0	0	4	10	0	1	0	3	0	0	0	0	0	0	0	4	25
Shooting	3	1	13	0	4	1	1	0	0	0	21	2	19	4	24	3	9	0	8	0	0	0	60	7	4	0	6	0	1	0	1	0	0	0	12	0	102
Total	**14**	**2**	**23**	**3**	**8**	**3**	**1**	**0**	**0**	**0**	**46**	**8**	**24**	**9**	**42**	**16**	**16**	**9**	**8**	**2**	**0**	**0**	**90**	**36**	**5**	**1**	**8**	**4**	**2**	**0**	**1**	**0**	**0**	**0**	**16**	**5**	**201**

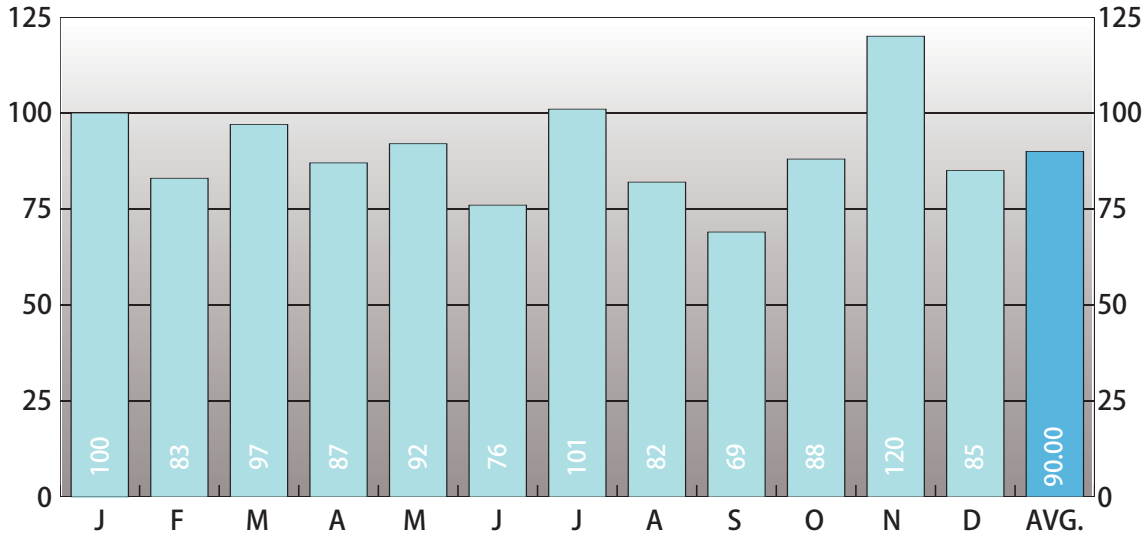
Photograph by G. Wilson

2019 DEATHS FROM NATURAL CAUSES
FOR A PERIOD OF TEN YEARS



2019
TOTAL CASES
1,080

2019 DEATHS FROM NATURAL CAUSES
BY MONTH FOR THE YEAR 2019



		Number	Percent
Gender	Male	672	62.22%
	Female	408	37.78%
Race	White	648	60.00%
	Black	418	38.70%
	Asian	10	0.93%
	Other	4	0.37%
Ethnicity	Hispanic	28	2.59%
	Non-Hispanic	1052	97.41%
Ethanol	Tested	523	48.43%
	Positive	148	28.30%
Autopsied		417	38.61%

TABLE 62 MONTHLY ETHANOL INCIDENCE

		Total		Not Tested		Tested						Stages					
						Total		Negative		Positive		≥0.01% - ≤ 0.079%		≥0.08% - < 0.17%		≥0.17%	
Month	Total	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Jan.	100	60	40	32	24	28	16	20	14	8	2	6	2	2	0	0	0
Feb.	83	54	29	21	16	33	13	24	10	9	3	7	2	1	0	1	1
Mar.	97	62	35	27	24	35	11	26	6	9	5	3	4	0	1	6	0
Apr.	87	52	35	20	26	32	9	21	8	11	1	11	1	0	0	0	0
May	92	61	31	29	21	32	10	27	6	5	4	3	4	1	0	1	0
Jun.	76	45	31	15	19	30	12	17	9	13	3	8	2	3	1	2	0
July	101	60	41	28	24	32	17	26	8	6	9	4	6	1	2	1	1
Aug.	82	44	38	19	25	25	13	18	11	7	2	5	1	2	1	0	0
Sept.	69	42	27	13	18	29	9	18	9	11	0	9	0	1	0	1	0
Oct.	88	57	31	27	18	30	13	20	11	10	2	9	2	0	0	1	0
Nov.	120	76	44	38	29	38	15	27	14	11	1	9	1	1	0	1	0
Dec.	85	59	26	30	14	29	12	18	7	11	5	6	2	3	0	2	3
Total	**1,080**	**672**	**408**	**299**	**258**	**373**	**150**	**262**	**113**	**111**	**37**	**80**	**27**	**15**	**5**	**16**	**5**

AGE - RACE - ETHNICITY - ETHANOL INCIDENCE

TABLE 63

			Ethnicity		Not Tested		Tested						Stages					
							Total		Negative		Positive		≥0.01% - ≤ 0.079%		≥0.08% - < 0.17%		≥0.17%	
Age	Race	Total	Hispanic	Non-Hispanic	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Under 1 Year	White	2	1	1	0	0	2	0	2	0	0	0	0	0	0	0	0	0
	Black	10	1	9	2	0	4	4	4	4	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
	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1 - 4	White	2	0	2	0	0	1	1	1	1	0	0	0	0	0	0	0	0
	Black	2	0	2	0	0	2	0	2	0	0	0	0	0	0	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Other	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
	Black	3	0	3	0	0	3	0	3	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
	Other	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
	Black	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
	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 - 19	White	1	0	1	0	0	0	1	0	1	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
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 - 24	White	1	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
	Black	1	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 63 AGE - RACE - ETHNICITY - ETHANOL INCIDENCE (continued)

			Ethnicity		Not Tested		Tested						Stages					
							Total		Negative		Positive		≥0.01% - ≤ 0.079%		≥0.08% - < 0.17%		≥0.17%	
Age	Race	Total	Hispanic	Non-Hispanic	M	F	M	F	M	F	M	F	M	F	M	F	M	F
25 - 29	White	4	0	4	2	0	2	0	2	0	0	0	0	0	0	0	0	0
	Black	7	0	7	0	0	2	5	1	5	1	0	0	0	0	0	1	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 - 34	White	8	1	7	1	1	4	2	4	2	0	0	0	0	0	0	0	0
	Black	14	0	14	0	0	8	6	7	5	1	1	1	1	0	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 - 39	White	16	0	16	2	0	8	6	5	5	3	1	3	0	0	0	0	1
	Black	14	0	14	1	0	8	5	6	4	2	1	2	1	0	0	0	0
	Asian	1	0	1	0	0	1	0	0	0	1	0	0	0	0	0	1	0
	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 - 44	White	18	2	16	2	1	10	5	6	4	4	1	2	0	1	1	1	0
	Black	18	0	18	1	1	10	6	6	6	4	0	4	0	0	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 - 49	White	21	1	20	3	5	7	6	6	6	1	0	1	0	0	0	0	0
	Black	25	0	25	2	2	19	2	14	2	5	0	3	0	0	0	2	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 - 54	White	45	4	41	6	10	28	1	18	1	10	0	8	0	2	0	0	0
	Black	33	0	33	5	4	15	9	12	6	3	3	2	2	1	0	0	1
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Other	1	0	1	0	0	1	0	0	0	1	0	1	0	0	0	0	0

AGE - RACE - ETHNICITY - ETHANOL INCIDENCE (continued)

TABLE 63

			Ethnicity		Not Tested		Tested						Stages					
							Total		Negative		Positive		≥0.01% - ≤ 0.079%		≥0.08% - < 0.17%		≥0.17%	
Age	Race	Total	Hispanic	Non-Hispanic	M	F	M	F	M	F	M	F	M	F	M	F	M	F
55 - 59	White	94	5	89	14	13	55	12	40	9	15	3	11	0	3	1	1	2
	Black	54	0	54	10	8	23	13	15	9	8	4	7	3	0	1	1	0
	Asian	1	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0
	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60 - 64	White	115	4	111	38	16	45	16	34	12	11	4	7	4	2	0	2	0
	Black	72	1	71	19	13	28	12	15	5	13	7	8	7	3	0	2	0
	Asian	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	Other	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
65 - 69	White	73	4	69	31	21	17	4	14	2	3	2	1	1	0	1	2	0
	Black	55	1	54	19	13	16	7	10	4	6	3	5	2	0	0	1	1
	Asian	3	0	3	1	0	1	1	1	1	0	0	0	0	0	0	0	0
	Other	1	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0
70 - 74	White	66	1	65	31	16	13	6	7	4	6	2	5	2	0	0	1	0
	Black	43	0	43	12	9	16	6	10	4	6	2	3	2	2	0	1	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75 - 79	White	54	1	53	30	15	6	3	3	3	3	0	3	0	0	0	0	0
	Black	25	0	25	7	12	4	2	3	1	1	1	0	0	1	1	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80 and Over	White	128	0	128	40	75	7	6	6	5	1	1	1	1	0	0	0	0
	Black	41	0	41	17	19	3	2	1	1	2	1	2	1	0	0	0	0
	Asian	4	0	4	1	3	0	0	0	0	0	0	0	0	0	0	0	0
	Other	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 63 AGE - RACE - ETHNICITY - ETHANOL INCIDENCE (continued)

			Ethnicity		Not Tested		Tested						Stages					
							Total		Negative		Positive		≥0.01% - ≤ 0.079%		≥0.08% - < 0.17%		≥0.17%	
Age	Race	Total	Hispanic	Non-Hispanic	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Total	White	648	25	623	200	173	206	69	149	55	57	14	42	8	8	3	7	3
	Black	418	3	415	95	81	162	80	110	57	52	23	37	19	7	2	8	2
	Asian	10	0	10	3	3	3	1	2	1	1	0	0	0	0	0	1	0
	Other	4	0	4	1	1	2	0	1	0	1	0	1	0	0	0	0	0
Grand Total		**1,080**	**28**	**1,052**	**299**	**258**	**373**	**150**	**262**	**113**	**111**	**37**	**80**	**27**	**15**	**5**	**16**	**5**

INTERNATIONAL CODE OF CAUSES OF DEATH LISTED BY MONTH

TABLE 64

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	1	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	2	0	4	1	5
Complications of Pregnancy, Childbirth and the Puerperium	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
Congenital Anomalies	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	2
Diseases of the Blood and Blood-Forming Organs	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
Diseases of the Circulatory System	45	28	39	17	47	27	41	23	48	19	34	19	44	32	37	28	23	17	43	24	57	35	44	20	502	289	791
Diseases of the Digestive System	0	0	0	1	0	0	1	2	0	0	2	0	1	1	0	0	1	2	0	1	0	0	0	0	5	7	12
Diseases of the Genitourinary System	2	1	0	1	1	0	0	1	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	4	4	8
Diseases of the Nervous System and Sense Organs	1	0	0	0	0	0	2	1	2	0	0	0	0	0	0	1	2	0	1	0	1	1	0	0	9	3	12
Diseases of the Respiratory System	3	5	4	1	1	0	1	2	0	3	2	2	2	0	1	2	1	0	4	0	5	5	5	1	29	21	50
Diseases of the Skin and Subcutaneous Tissue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	1
Endocrine, Nutritional and Metabolic Diseases and Immunity Disorders	1	2	2	2	2	2	2	0	1	4	0	1	1	1	2	1	6	0	1	1	5	0	0	0	23	14	37
Infectious and Parasitic Diseases	0	0	1	0	1	0	0	1	1	0	0	0	1	0	1	0	1	1	2	1	0	0	0	0	8	3	11
Mental Disorders*	2	2	5	4	6	0	3	3	7	2	5	4	8	3	1	3	4	1	5	1	6	2	5	4	57	29	86
Neoplasms	2	1	1	2	0	2	0	2	1	2	2	2	2	3	1	2	1	4	1	1	1	0	2	0	14	21	35
Symptoms, Signs and Ill-Defined Conditions	3	1	2	1	1	3	1	0	0	1	0	1	0	0	0	1	1	0	0	1	1	1	1	1	10	11	21
Therapeutic Complications	1	0	0	0	2	1	0	0	1	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	5	2	7
Total	**60**	**40**	**54**	**29**	**62**	**35**	**52**	**35**	**61**	**31**	**45**	**31**	**60**	**41**	**44**	**38**	**42**	**27**	**57**	**31**	**76**	**44**	**59**	**26**	**672**	**408**	**1080**

*** In Mental Disorders 78 were due to alcoholism.**

TABLE 65 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	1	0	0	0	0	1	0	0	0	0	0	1	0	2	1	3
Complications of Pregnancy, Childbirth and the Puerperium	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
Congenital Anomalies	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	2
Diseases of the Circulatory System	23	9	15	4	18	6	19	4	22	5	13	3	12	11	16	6	11	5	20	6	16	8	17	2	202	69	271
Diseases of the Digestive System	0	0	0	1	0	0	1	1	0	0	2	0	1	1	0	0	0	0	0	1	0	0	0	0	4	4	8
Diseases of the Genitourinary System	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	2	2
Diseases of the Respiratory System	1	2	3	0	1	0	1	0	0	0	0	1	1	0	1	1	1	0	2	0	4	1	2	1	17	6	23
Diseases of the Skin and Subcutaneous Tissue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	1
Diseases of the Nervous System and Sense Organs	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	3
Endocrine, Nutritional and Metabolic Diseases and Immunity Disorders	1	2	1	1	0	0	1	0	1	0	0	1	1	1	1	0	2	0	0	1	2	0	0	0	10	6	16
Infectious and Parasitic Diseases	0	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	4	0	4
Mental Disorders*	1	1	5	2	5	0	1	0	3	0	5	4	4	2	1	2	4	1	3	0	5	1	5	4	42	17	59
Neoplasms	1	0	1	0	0	1	0	1	0	1	1	0	0	1	0	0	0	1	0	0	0	0	0	0	3	5	8
Symptoms, Signs and Ill-Defined Conditions	2	1	0	1	1	1	1	0	0	1	0	1	0	0	0	1	0	0	0	0	1	0	1	1	6	7	13
Therapeutic Complications	0	0	0	0	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	3	0	3
Total	**29**	**16**	**25**	**9**	**28**	**8**	**26**	**6**	**28**	**7**	**21**	**12**	**20**	**16**	**21**	**10**	**21**	**8**	**25**	**9**	**28**	**10**	**26**	**8**	**298**	**119**	**417**

*** In Mental Disorders 53 were due to alcoholism.**

MONTH AND AGE GROUPS

TABLE 66

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	1	0	2	1	2	0	0	0	0	2	1	0	0	0	0	0	0	0	0	1	2	0	8	4	12
1-4	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	3	1	4
5-9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	0	0	0	3	0	3
10-14	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
15-19	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	2	2
20-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	2	0	2
25-29	1	1	1	0	0	0	0	0	2	0	1	2	1	1	0	0	0	0	0	0	0	1	0	0	6	5	11
30-34	1	0	1	0	1	2	3	2	1	0	1	0	1	0	0	0	0	1	1	0	2	2	1	2	13	9	22
35-39	3	1	1	1	1	0	0	1	5	1	1	0	4	1	0	1	3	1	0	3	1	0	1	1	20	11	31
40-44	0	4	0	1	1	0	3	2	2	0	2	0	3	3	2	0	3	1	1	0	2	1	4	1	23	13	36
45-49	1	2	2	1	5	1	4	2	0	2	0	0	4	0	3	3	1	0	4	3	5	1	2	0	31	15	46
50-54	4	3	12	4	4	1	2	2	4	3	6	2	3	2	6	0	3	1	1	1	6	2	4	3	55	24	79
55-59	14	7	11	3	11	4	9	4	7	5	5	3	8	6	5	5	9	2	8	3	6	1	10	3	103	46	149
60-64	12	4	10	8	13	4	12	5	9	6	15	5	11	4	9	3	7	4	12	2	12	8	10	4	132	57	189
65-69	5	5	2	2	7	3	9	3	11	1	2	2	11	7	6	8	4	3	11	1	14	8	4	3	86	46	132
70-74	6	0	2	1	6	3	3	3	10	3	2	3	6	5	5	2	3	4	7	4	13	6	9	3	72	37	109
75-79	8	1	1	5	2	6	3	1	3	2	4	2	5	7	3	4	1	1	2	1	10	1	5	1	47	32	79
80 and Over	5	11	10	3	9	10	1	10	7	8	6	9	2	5	5	11	6	9	8	13	3	12	6	5	68	106	174
Total	**60**	**40**	**54**	**29**	**62**	**35**	**52**	**35**	**61**	**31**	**45**	**31**	**60**	**41**	**44**	**38**	**42**	**27**	**57**	**31**	**76**	**44**	**59**	**26**	**672**	**408**	**1,080**

TABLE 67 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	1	0	2	1	1	0	0	0	0	2	1	0	0	0	0	0	0	0	0	1	1	0	6	4	10
1-4	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	3	1	4
5-9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	0	0	0	3	0	3
10-14	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
15-19	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
20-24	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
25-29	0	1	1	0	0	0	0	0	1	0	1	2	1	1	0	0	0	0	0	0	0	1	0	0	4	5	9
30-34	1	0	0	0	1	1	2	0	1	0	1	0	0	0	0	0	0	1	1	0	0	1	0	2	7	5	12
35-39	3	1	0	0	1	0	0	0	5	1	1	0	1	1	0	1	2	1	0	3	1	0	1	1	15	9	24
40-44	0	3	0	1	0	0	3	2	2	0	1	0	3	3	2	0	3	1	1	0	1	1	4	1	20	12	32
45-49	0	0	1	1	5	0	2	1	0	1	0	0	2	0	2	3	1	0	4	2	3	0	1	0	21	8	29
50-54	3	2	8	0	3	0	2	0	2	1	4	1	1	1	4	0	0	1	1	0	4	2	2	1	34	9	43
55-59	12	4	4	1	6	2	4	1	4	1	3	3	3	3	3	1	8	0	5	0	4	0	5	1	61	17	78
60-64	6	0	5	4	8	1	5	1	3	1	6	1	1	2	3	1	5	0	4	1	5	1	4	2	55	15	70
65-69	0	2	2	0	1	0	4	0	3	0	1	1	4	3	3	2	0	1	3	1	4	1	2	0	27	11	38
70-74	1	0	2	0	1	1	1	1	4	1	0	0	1	2	1	1	1	2	4	0	3	2	4	0	23	10	33
75-79	3	0	0	1	0	1	1	0	0	0	2	0	2	0	1	1	0	0	0	0	1	0	0	0	10	3	13
80 and Over	0	2	1	1	0	1	0	0	3	1	1	1	0	0	2	0	0	1	0	2	0	0	1	0	8	9	17
Total	**29**	**16**	**25**	**9**	**28**	**8**	**26**	**6**	**28**	**7**	**21**	**12**	**20**	**16**	**21**	**10**	**21**	**8**	**25**	**9**	**28**	**10**	**26**	**8**	**298**	**119**	**417**

INTERNATIONAL CODE OF CAUSES OF DEATH LISTED BY AGE GROUPS

TABLE 68

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	3	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	0	4	1	5
Complications of Pregnancy, Childbirth and the Puerperium	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	1
Congenital Anomalies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2
Diseases of the Circulatory System	0	0	0	0	0	0	0	0	0	0	0	0	1	2	9	3	10	5	17	8	19	7	42	14	81	28	98	46	68	33	59	32	37	25	61	86	502	289	791
Diseases of the Digestive System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	1	0	0	2	2	2	0	0	0	0	0	0	1	0	1	5	7	12
Diseases of the Genitourinary System	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	1	2	0	2	0	0	0	0	0	0	1	4	4	8
Diseases of the Respiratory System	2	2	1	0	3	0	0	0	0	0	1	0	0	1	2	1	0	0	1	0	1	1	1	2	2	0	3	1	5	3	4	2	2	3	1	5	29	21	50
Diseases of the Skin and Subcutaneous Tissue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	1
Diseases of the Blood and Blood-Forming Organs	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
Diseases of the Nervous System and Sense Organs	0	0	1	0	0	0	0	0	0	1	1	0	1	0	1	0	1	0	0	0	0	1	0	1	0	0	1	0	1	0	0	0	1	0	1	0	9	3	12
Endocrine, Nutritional and Metabolic Diseases and Immunity Disorders	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	1	2	1	1	1	3	1	4	2	3	0	6	1	1	4	0	1	1	0	0	1	23	14	37
Infectious and Parasitic Diseases	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	2	0	0	1	2	0	0	1	1	0	0	0	1	0	8	3	11
Mental Disorders*	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	3	3	2	4	1	5	2	6	4	13	9	11	4	6	2	4	0	1	0	2	2	57	29	86
Neoplasms	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	4	5	4	1	3	4	2	3	2	1	5	14	21	35
Symptoms, Signs and Ill-Defined Conditions	2	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	3	2	0	0	1	1	0	0	1	1	1	0	1	0	0	0	0	1	1	4	10	11	21
Therapeutic Complications	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	1	1	0	0	0	2	0	0	1	5	2	7
Total	**8**	**4**	**3**	**1**	**3**	**0**	**0**	**0**	**0**	**2**	**2**	**0**	**6**	**5**	**13**	**9**	**20**	**11**	**23**	**13**	**31**	**15**	**55**	**24**	**103**	**46**	**132**	**57**	**86**	**46**	**72**	**37**	**47**	**32**	**68**	**106**	**672**	**408**	**1,080**

*** In Mental Disorders 78 were due to alcoholism.**

TABLE 69 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	
Certain Conditions Originating in the Perinatal Period	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	3
Complications of Pregnancy, Childbirth and the Puerperium	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Congenital Anomalies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2
Diseases of the Circulatory System	0	0	0	0	0	0	0	0	0	0	0	0	1	2	6	2	9	5	14	7	11	5	25	5	50	10	35	10	20	7	20	9	5	1	6	6	202	69	271
Diseases of the Digestive System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	1	0	0	1	0	2	0	0	0	0	0	0	1	0	0	4	4	8
Diseases of the Genitourinary System	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
Diseases of the Respiratory System	2	2	1	0	3	0	0	0	0	0	1	0	0	1	1	1	0	0	1	0	1	0	0	0	0	0	3	1	2	1	1	0	1	0	0	0	17	6	23
Diseases of the Skin and Subcutaneous Tissue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	1
Diseases of the Nervous System and Sense Organs	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	3	0	3
Endocrine, Nutritional and Metabolic Diseases and Immunity Disorders	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	2	1	1	1	1	0	2	1	1	0	2	0	0	1	0	0	0	0	0	1	10	6	16
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	1	0	0	0	2	0	0	0	0	0	0	0	0	0	4	0	4
Mental Disorders*	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	4	1	5	1	6	3	8	5	8	4	4	2	2	0	1	0	2	0	42	17	59
Neoplasms	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	0	0	0	0	1	1	0	0	2	3	5	8
Symptoms, Signs and Ill-Defined Conditions	2	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	2	0	0	1	1	0	0	0	1	0	0	1	0	0	0	0	1	0	0	6	7	13
Therapeutic Complications	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	1	0	0	0	3	0	3
Total	**6**	**4**	**3**	**1**	**3**	**0**	**0**	**0**	**0**	**1**	**1**	**0**	**4**	**5**	**7**	**5**	**15**	**9**	**20**	**12**	**21**	**8**	**34**	**9**	**61**	**17**	**55**	**15**	**27**	**11**	**23**	**10**	**10**	**3**	**8**	**9**	**298**	**119**	**417**

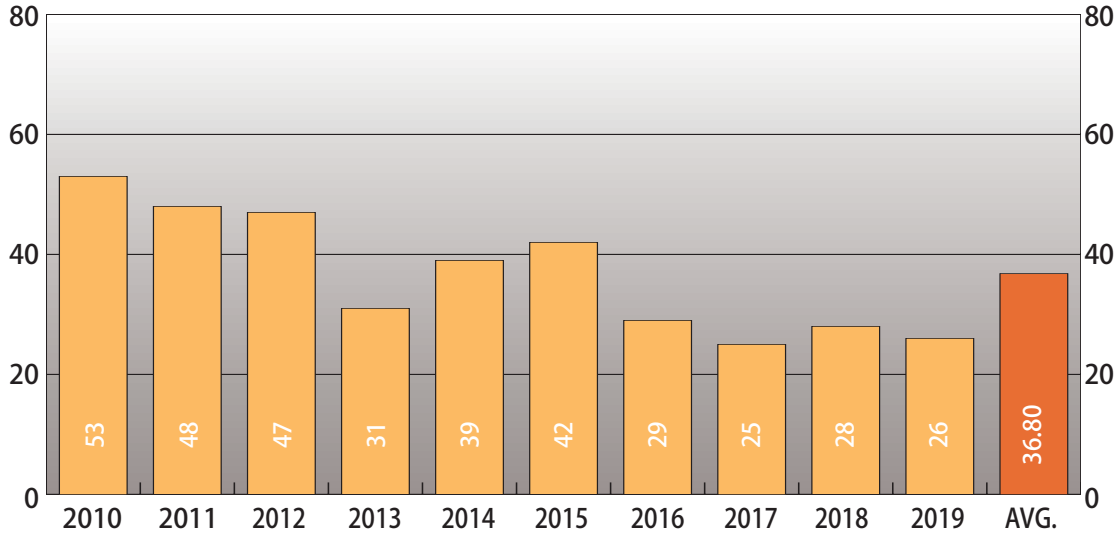
*** In Mental Disorders 53 were due to alcoholism.**

JANE EDNA HUNTER BUILDING, CLEVELAND

Photograph by G. Wilson

CUYAHOGA COUNTY

2019 UNDETERMINED MANNER
FOR A PERIOD OF TEN YEARS

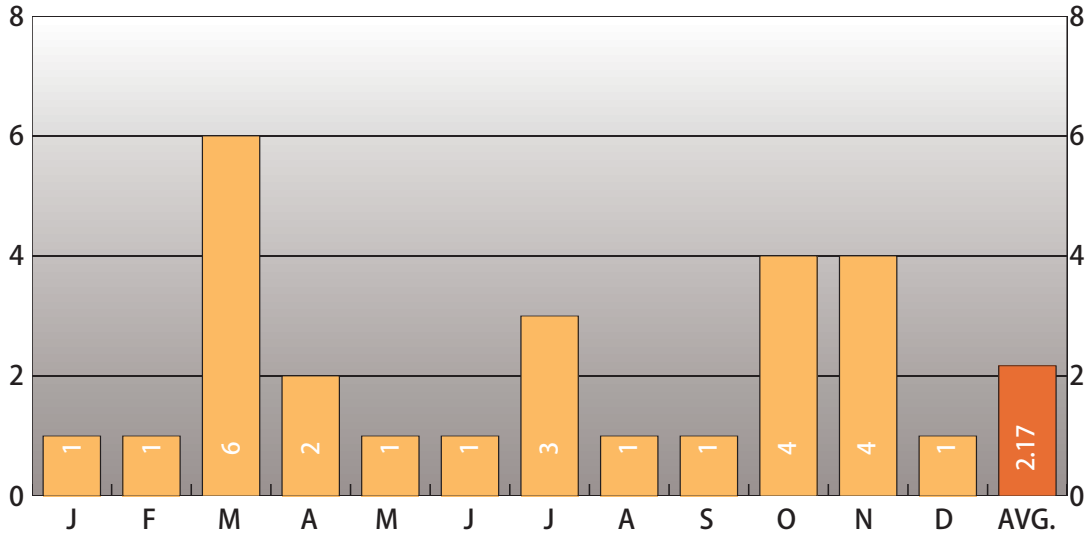


2019

TOTAL CASES

26

2019 UNDETERMINED MANNER
BY MONTH FOR THE YEAR 2019



		Number	Percent
Gender	Male	16	61.54%
	Female	10	38.46%
Race	White	11	42.31%
	Black	15	57.69%
Ethnicity	Hispanic	1	3.85%
	Non-Hispanic	25	96.15%
Ethanol	Tested	22	88.00%
	Positive	7	31.82%
Autopsied		26	100.00%

MONTHLY ETHANOL INCIDENCE

TABLE 70

		Total		Not Tested		Tested						Stages					
						Total		Negative		Positive		≥0.01% - ≤ 0.079%		≥0.08% - < 0.17%		≥0.17%	
Month	Total	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Jan.	1	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
Feb.	1	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0
Mar.	6	5	1	2	0	3	1	2	0	1	1	1	1	0	0	0	0
Apr.	2	2	0	0	0	2	0	1	0	1	0	1	0	0	0	0	0
May	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Jun.	1	1	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0
July	3	0	3	0	0	0	3	0	2	0	1	0	1	0	0	0	0
Aug.	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Sept.	1	1	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0
Oct.	4	2	2	0	0	2	2	1	2	1	0	0	0	0	0	1	0
Nov.	4	3	1	0	0	3	1	3	1	0	0	0	0	0	0	0	0
Dec.	1	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
Total	**26**	**16**	**10**	**2**	**2**	**14**	**8**	**9**	**6**	**5**	**2**	**3**	**2**	**1**	**0**	**1**	**0**

TABLE 71 AGE - RACE - ETHNICITY - ETHANOL INCIDENCE

			Ethnicity		Not Tested		Tested						Stages					
							Total		Negative		Positive		≥0.01% - ≤ 0.079%		≥0.08% - < 0.17%		≥0.17%	
Age	Race	Total	Hispanic	Non-Hispanic	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Under 1 Year	White	1	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0
	Black	8	0	8	0	2	4	2	4	2	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
	Black	2	0	2	0	0	2	0	2	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
	Black	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
	Black	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 - 19	White	1	0	1	0	0	0	1	0	1	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
20 - 24	White	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	2	0	2	0	0	1	1	0	1	1	0	1	0	0	0	0	0
25 - 29	White	2	0	2	1	0	0	1	0	0	0	1	0	1	0	0	0	0
	Black	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 - 34	White	2	1	1	0	0	2	0	2	0	0	0	0	0	0	0	0	0
	Black	1	0	1	0	0	1	0	0	0	1	0	0	0	1	0	0	0
35 - 39	White	1	0	1	0	0	0	1	0	1	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
40 - 44	White	1	0	1	0	0	0	1	0	1	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

AGE - RACE - ETHNICITY - ETHANOL INCIDENCE (continued)

TABLE 71

			Ethnicity		Not Tested		Tested						Stages					
							Total		Negative		Positive		0.01% - 0.04%		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
45 - 49	White	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
50 - 54	White	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
55 - 59	White	1	0	1	0	0	1	0	0	0	1	0	1	0	0	0	0	0
	Black	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60 - 64	White	1	0	1	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
65 - 69	White	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
70 - 74	White	1	0	1	0	0	1	0	0	0	1	0	0	0	0	0	1	0
	Black	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
	Black	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80 and Over	White	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	1	0	1	0	0	0	1	0	0	0	1	0	1	0	0	0	0
Total	White	11	1	10	2	0	5	4	3	3	2	1	1	1	0	0	1	0
	Black	15	0	15	0	2	9	4	6	3	3	1	2	1	1	0	0	0
Grand Total		**26**	**1**	**25**	**2**	**2**	**14**	**8**	**9**	**6**	**5**	**2**	**3**	**2**	**1**	**0**	**1**	**0**

TABLE 72
MODE - ETHANOL INCIDENCE

		Total		Not Tested		Tested						Stages					
						Total		Negative		Positive		≥0.01% - ≤ 0.079%		≥0.08% - < 0.17%		≥0.17%	
Mode	Total	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Undetermined Cause	8	5	3	1	0	4	3	3	1	1	2	1	2	0	0	0	0
Undetermined Non-Violence	9	5	4	0	2	5	2	5	2	0	0	0	0	0	0	0	0
Undetermined Violence	9	6	3	1	0	5	3	1	3	4	0	2	0	1	0	1	0
Total	**26**	**16**	**10**	**2**	**2**	**14**	**8**	**9**	**6**	**5**	**2**	**3**	**2**	**1**	**0**	**1**	**0**

MODE - AGE GROUPS

TABLE 73

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	0	0	2	0	0	0	0	0	0	0	0	0	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	5	3	8
Undetermined Non-Violence	5	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	4	9
Undetermined Violence	0	0	0	0	0	0	0	0	1	0	1	1	0	0	2	0	0	0	0	1	0	0	0	0	1	0	1	0	0	0	1	0	0	0	0	0	6	3	9
Total	**5**	**4**	**2**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**1**	**1**	**1**	**1**	**3**	**0**	**0**	**1**	**0**	**1**	**0**	**0**	**0**	**0**	**1**	**0**	**1**	**0**	**1**	**0**	**1**	**0**	**0**	**0**	**0**	**1**	**16**	**10**	**26**

Photograph by J. Bielinski

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

Office of the Administrator

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

- Procurement – Works with specialized vendors to provide equipment and supplies for the scientific labs and medical work stations, as well as day-to-day supplies for the offices.
- Public Information & Media Relations – Provides media and general public with timely responses to public records requests. Over 1,500 media requests are received and processed annually.

Mission Statement

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

Goals

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

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

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

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

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

2019 Accomplishments

- Provided drug chemistry services for the State of Ohio, State Highway Patrol.
- Continued participation in opioid partnerships; deposition testimony aids in over $300M in opioid trial settlement awards.
- Instituted CCMEO Citizens Academy
- Out of County autopsies performed exceed 200 for ninth consecutive year (2011 – 174; 2012 – 224; 2013 – 202; 2014 – 217; 2015 – 240; 2016 - 317; 2017- 434; 2018- 434) and projected to be over 400 for 3rd time.
- Sexual Assault kit testing on-going with over 3000 cases submitted since start in May 2012.
- Over 500 trained by CCMEO under new format Death Investigation training course.

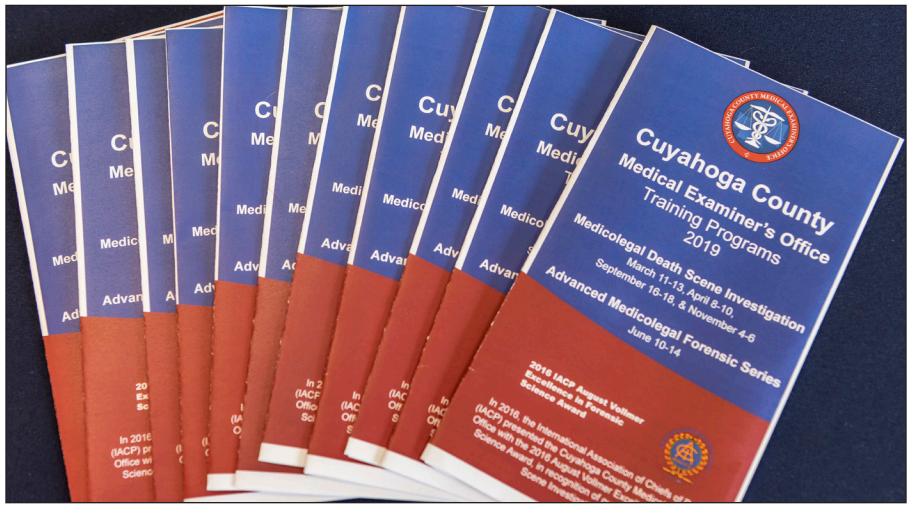
2019 MEDICOLEGAL DEATH SCENE INVESTIGATION TRAINING PROGRAM

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.

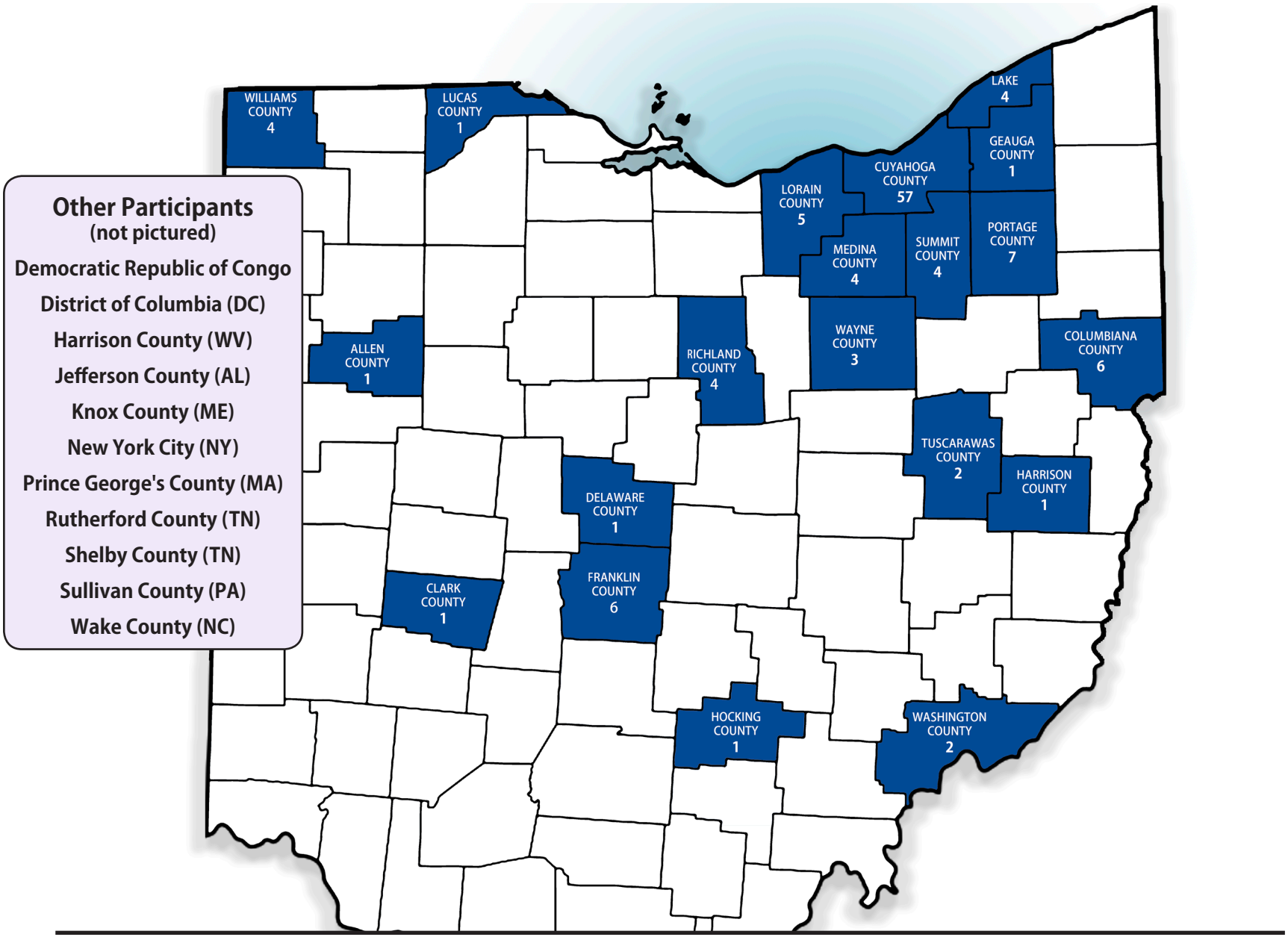
After attending this course, participants are able to...

- 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 2019, 135 medical, law enforcement, and legal professionals attended training at the Cuyahoga County Medical Examiner's Office.

2019 DISTRIBUTION OF MEDICOLEGAL DEATH SCENE INVESTIGATION TRAINING PARTICIPANTS BY COUNTY*



2019 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 offered throughout the year and are only available to eligible and approved educational programs.

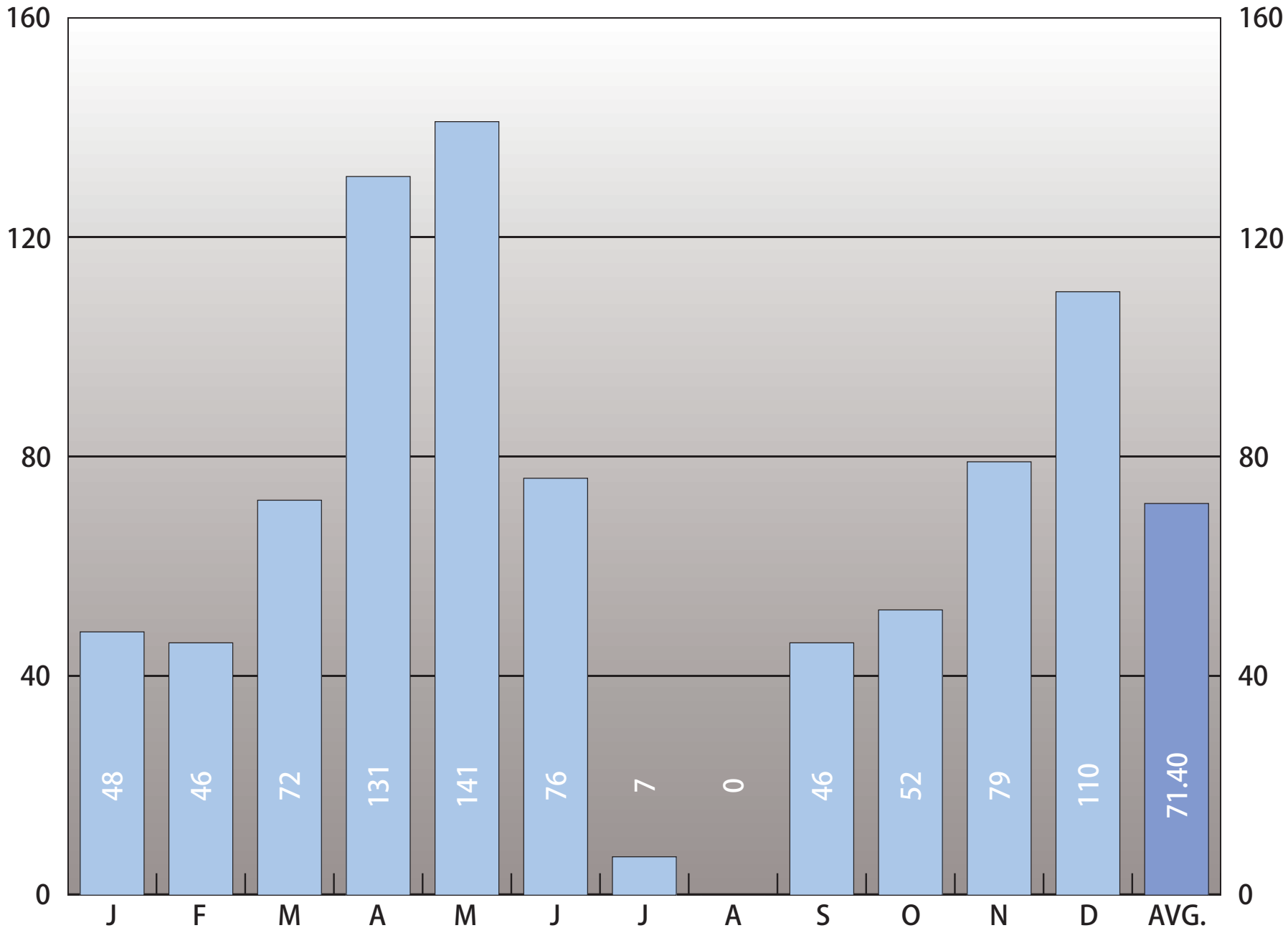
The Cuyahoga County Medical Examiner's Student Shadow Program program consists of small classes of 12 participants for a day-long concentrated program. There are separate shadow experiences for high school or college-level students and the programs are only available to Juniors and Seniors.

In 2019, the office established The Cuyahoga County Medical Examiner's Office Citizens Academy, in an effort to educate residents on the functions and duties of the office/laboratory. This is the first Medical Examiner's/Coroner's Office Citizen Academy to be established nationwide.

The 8-week academy is structured as a combination of lectures and hands-on activities. The academy is free to county residents, and 30 participants are selected for each academy.

In 2019, 808 guests participated in educational tours and training at the Cuyahoga County Medical Examiner's Office. Visitors were from the following organizations; Case Western Reserve University, Cuyahoga Community College, Cuyahoga County Common Pleas, Cuyahoga County Prosecutor's Grand Jury Unit, Cuyahoga Valley Career Center, Cuyahoga Valley Christian Academy, , Geauga County Prosecutor's Office, Gilmour Academy, Hawken School, Holy Name High School, James Ford Rhodes High School, Kent State University, Lincoln West High School, MC2 STEM High School, Newbury High School, Orange High School, Padua Franciscan, Saint Edwards High School, Solon Police Department (Citizens Police Academy), Tiffin University, University of Akron, U.S. Marshals Service, West Geauga High School, and WEWS-TV.

2019 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 . 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 2019 the Medical Examiner's Office provided records for 4,762 requests.** That's more than 91 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

2019 HISTOLOGY LABORATORY REPORT

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.

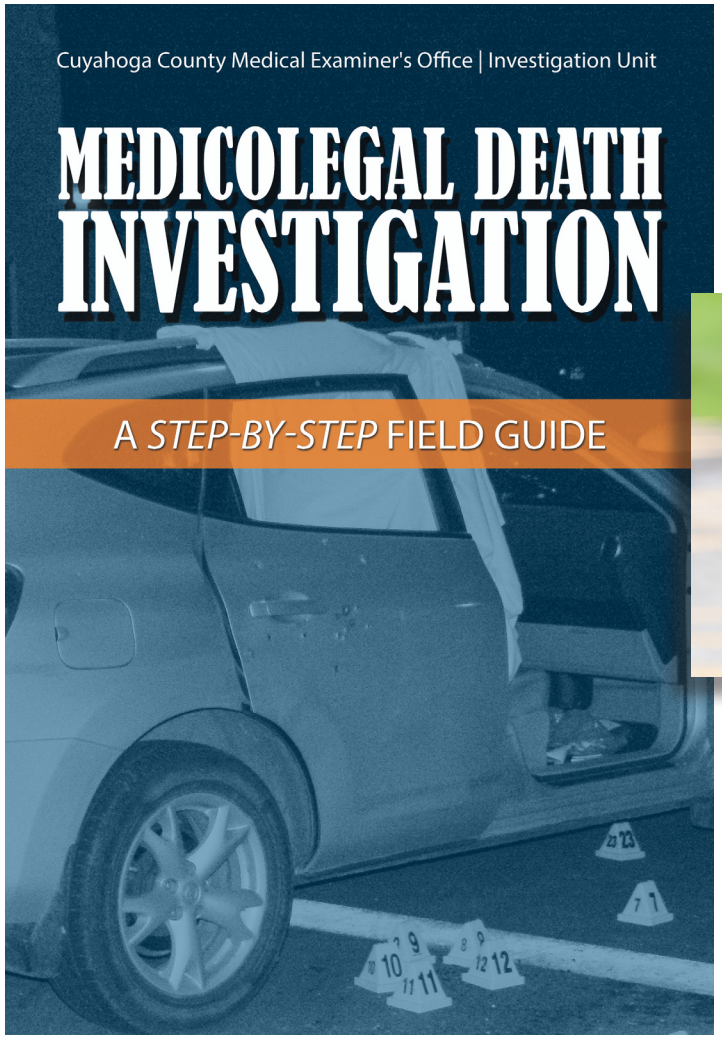
Approximately 10,000 to 16,000 slides are prepared annually in the lab. After each case is signed out by the Pathologist, all slides are returned to Histology. They are then filed and permanently kept in a secure location in our Archives.

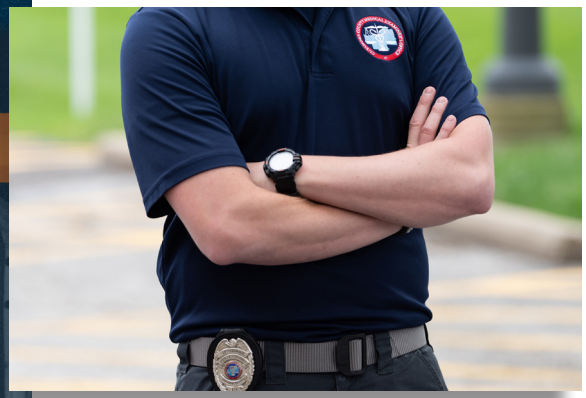
Histology slides also serve as an investigative tool helping to solve cold cases when no other DNA evidence is available. Oral, vaginal and rectal (OVR) swabs are taken in cases of suspected homicide and sexual assault. Slides are made after the swabs are rubbed on glass slides and stained for the Pathologist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

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

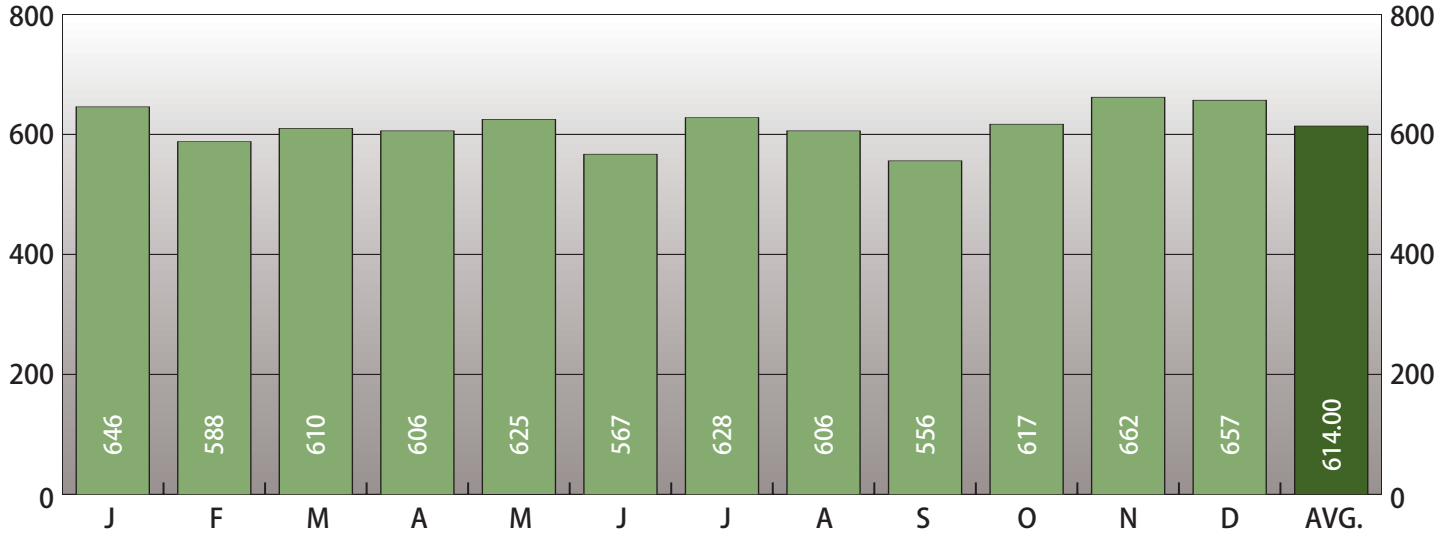
	Cuyahoga County	Outside Cuyahoga County	Total
Total Number of Autopsied Cases	1,396	418	1,814
Sections Received	13,272	4,568	17,840
Blocks Prepared	9,619	3,171	12,790
Slides Prepared and Stained			
Smears (Oral, Rectal, Vaginal)	76	56	132
Standard Staining (Routine Hematoxlin - Eosin)	9,619	3,171	12,790
Special Stains			
Fontana-Masson	0	3	3
Immunohistochemistry	0	30	30
Iron	88	68	156
Wright Giemsa	2	0	2
Rectus Prepared			
Diagnostic Recut	10	10	20
Educational Recut	3	4	7
Legal Case Recut	275	52	327
Total Slides Prepared	10,073	3,394	13,467

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





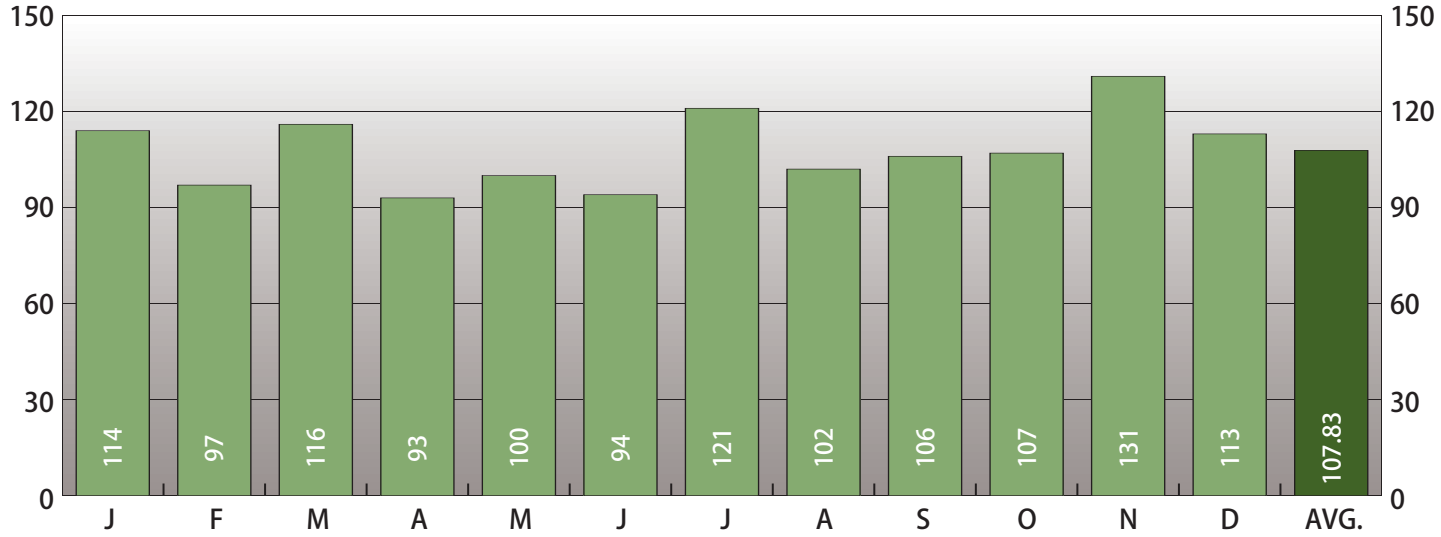
TOTAL NUMBER OF HANDLED CASES BY MONTH FOR THE YEAR 2019



2019
TOTAL CASES
7,368

2019 INVESTIGATIVE UNIT REPORT

TOTAL NUMBER OF SCENE INVESTIGATIONS BY MONTH FOR THE YEAR 2019



2019
TOTAL SCENES
1,294

The Medical Secretaries work with the Pathologists to complete the Final Pathological Diagnosis and Report of Autopsy for both Cuyahoga County and several surrounding counties. Medical Secretaries, like Case Managers obtain information from agencies to assist the Pathologists in their determination of cause and manner of death. They also report deaths to the Ohio SIDS Network (deaths of children under 2 years of age), and to Children and Family Services or KIDS Network (children 17 years of age and under). The Medical Secretaries maintain schedules for the visiting medical students and resident doctor's rotations. The department answers telephone calls and takes messages for the Pathologists, prepares bills for out of county autopsies, does file management, and maintains departmental records and logs. **The Medical Secretaries completed 1,395 Final Pathological Diagnosis and Reports of Autopsy for Cuyahoga County cases and 414 for surrounding county cases in 2019.**

Photograph by G. Wilson

2019 PATHOLOGY DEPARTMENT REPORT

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

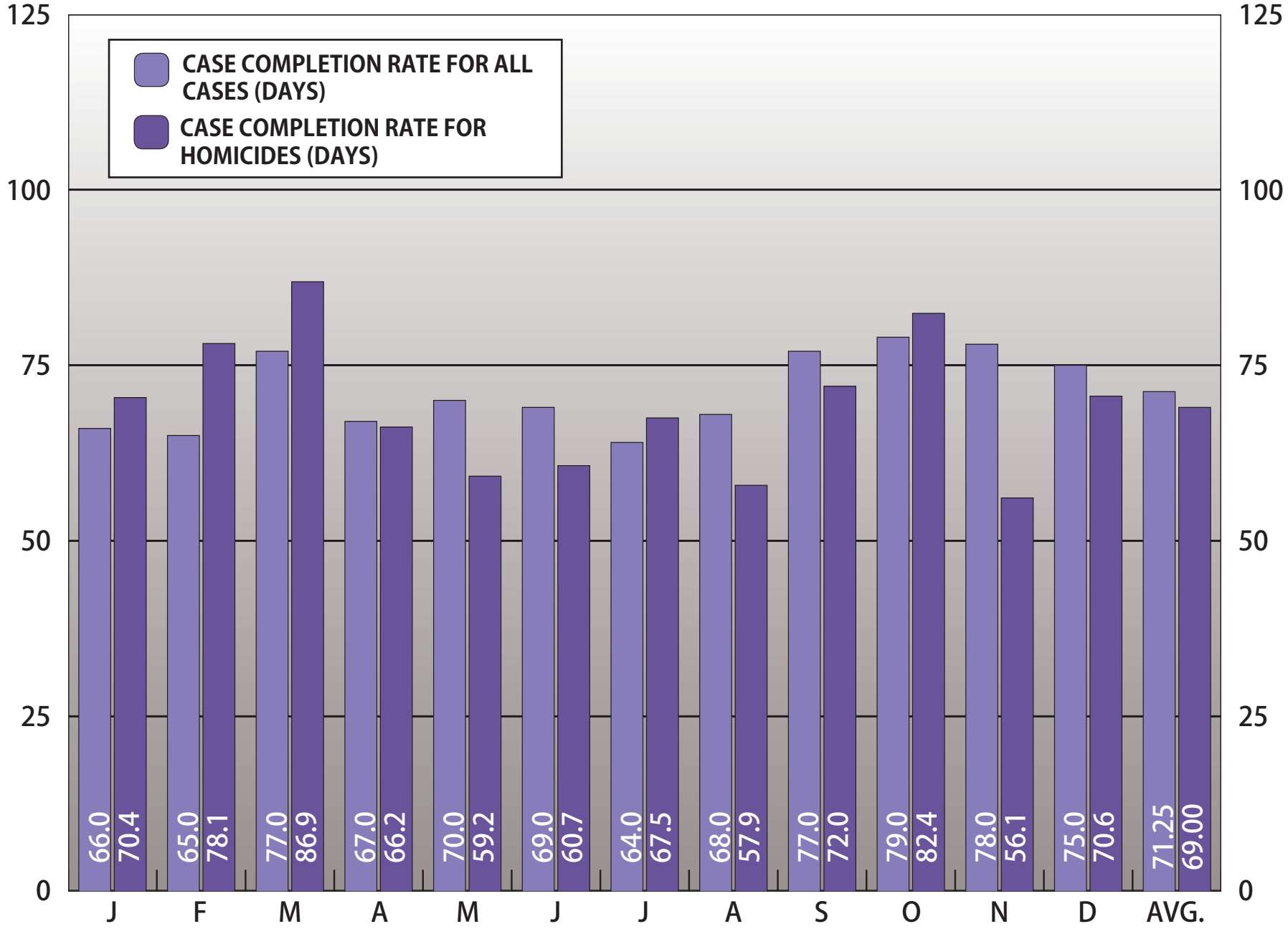
Pathology is a medical specialty that concerns the diagnosis of disease through examination of body tissue and fluids. There are two main branches of pathology – anatomic and clinical. Anatomic pathology involves examination of body tissues removed from the body. Surgical pathology and cytology are the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

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

Determination of cause and manner of death is an involved process that can take anywhere from a few days to months, depending on how complicated the case. Most bodies that come to the Medical Examiner's Office do not require an autopsy. These bodies are examined externally only. Those cases that meet certain criteria are autopsied the same or next day. The autopsy consists of three main components – gross examination of the body (looking at the body and organs with the naked eye), microscopic examination (examining tissue biopsies under the microscope), and toxicological examination (testing body fluids for prescription and over-the-counter medications as well as street drugs). To formulate the cause and manner of death, the pathologist will combine the findings of the autopsy with investigative information. Investigative information includes the Medical Examiner's Investigator report, scene photographs, medical records, police records, trace evidence findings, consultant's findings, special test results, etc. The manner of death consists of five categories – natural, accidental, suicide, homicide, and undetermined.

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

2019 PATHOLOGY CASE COMPLETION RATES



2019 RADIOLOGY REPORT

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

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

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

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

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

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

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

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

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

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

2,746 radiographs were made in 2019 of inside cases.
866 radiographs were made in 2019 of outside cases.

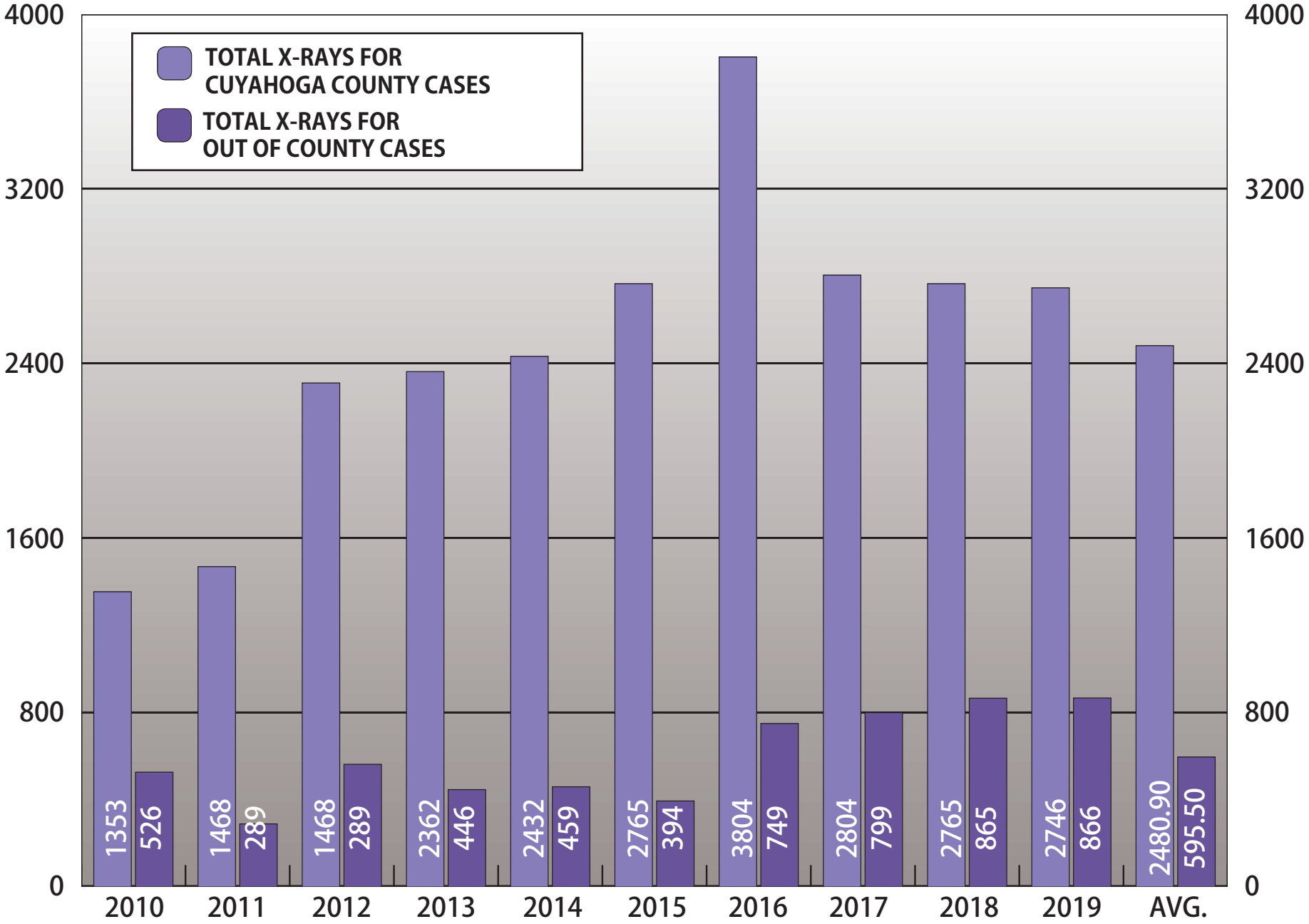
630 inside cases required x-ray procedures in 2019.
175 outside cases were x-rayed in 2019.

The average number of images obtained perx-rayed case was 4.49.

39.3% of all autopsied cases required some form of radiologic procedure.

Approximately 319 of the cases requiring x-rays were a result of gun shot/shooting injury

X-RAYS FOR A PERIOD OF TEN YEARS



2019 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.

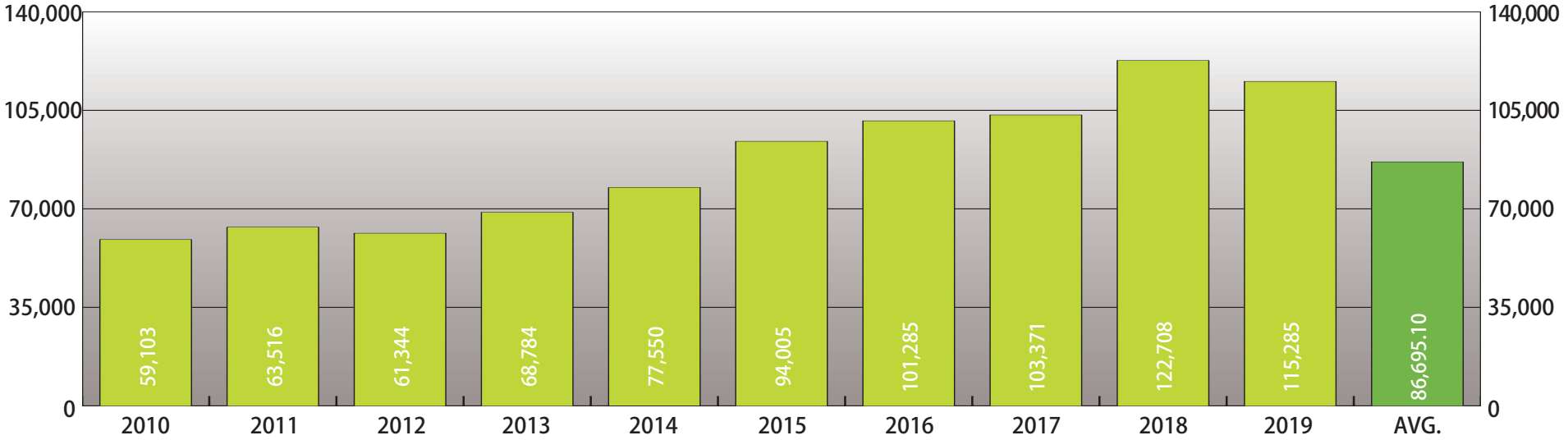
Photography, as part of a case report, provides visual support to the written notes and observations of the pathologist during viewing or autopsy, the forensic scientist's examination of clothing or evidence, and the findings of other staff members. It is a teaching aid in lectures and a visual aid in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

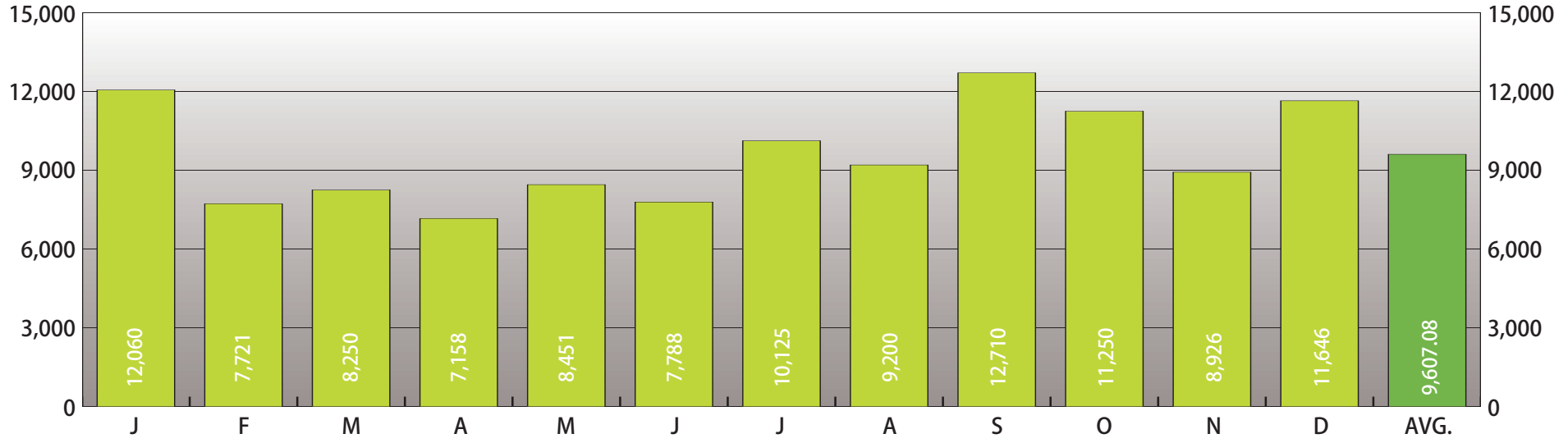
As the demand for products and services offered by the Photography Unit increases, the dedicated staff continues to improve themselves with targeted training and instruction. Through sustained learning, forensic photographers are exposed to new skills, techniques, and emerging technologies. This emphasis 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



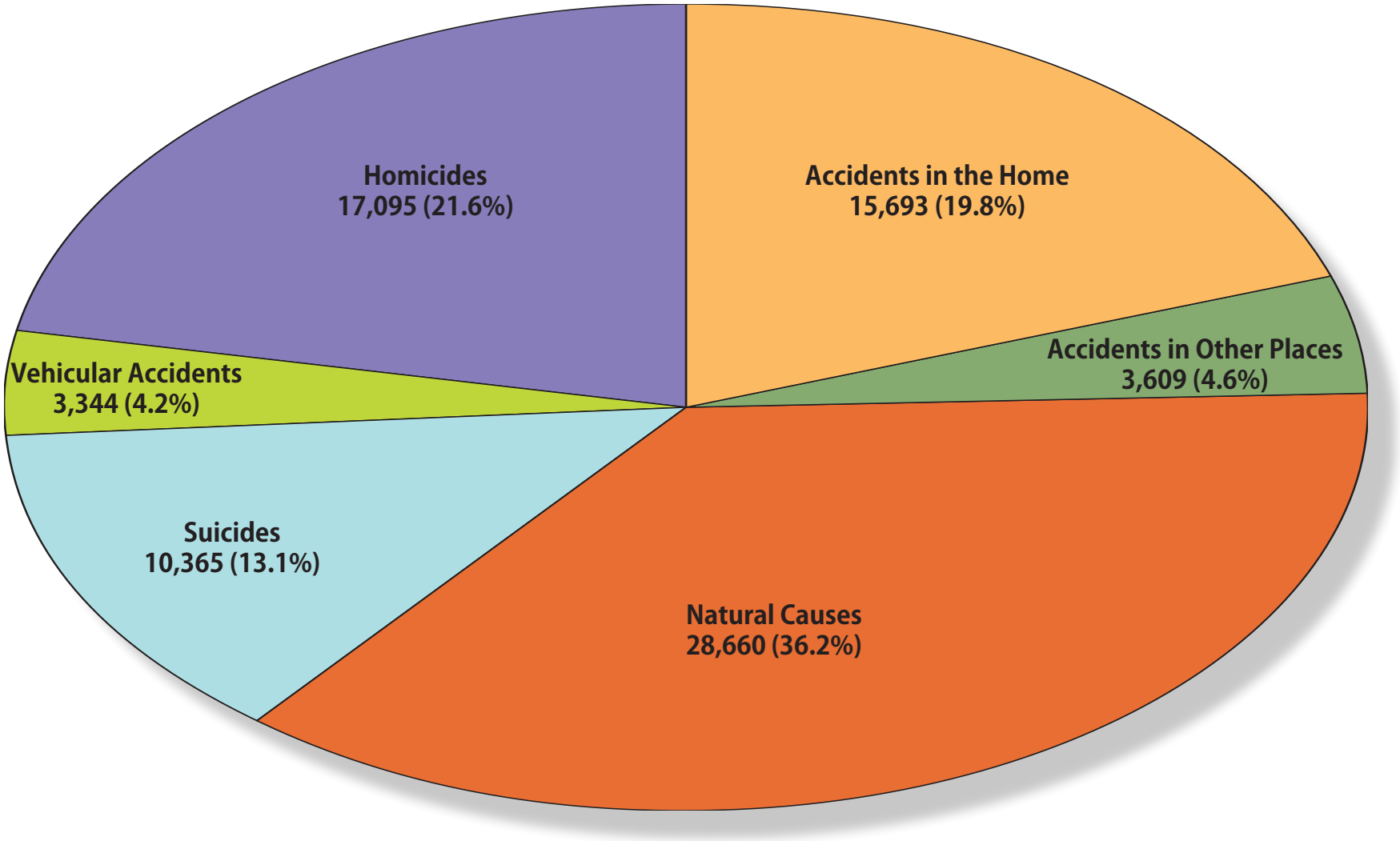
2019 PHOTOGRAPHY UNIT REPORT

TOTAL NUMBER OF RECORDED IMAGES BY MONTH FOR THE YEAR 2019



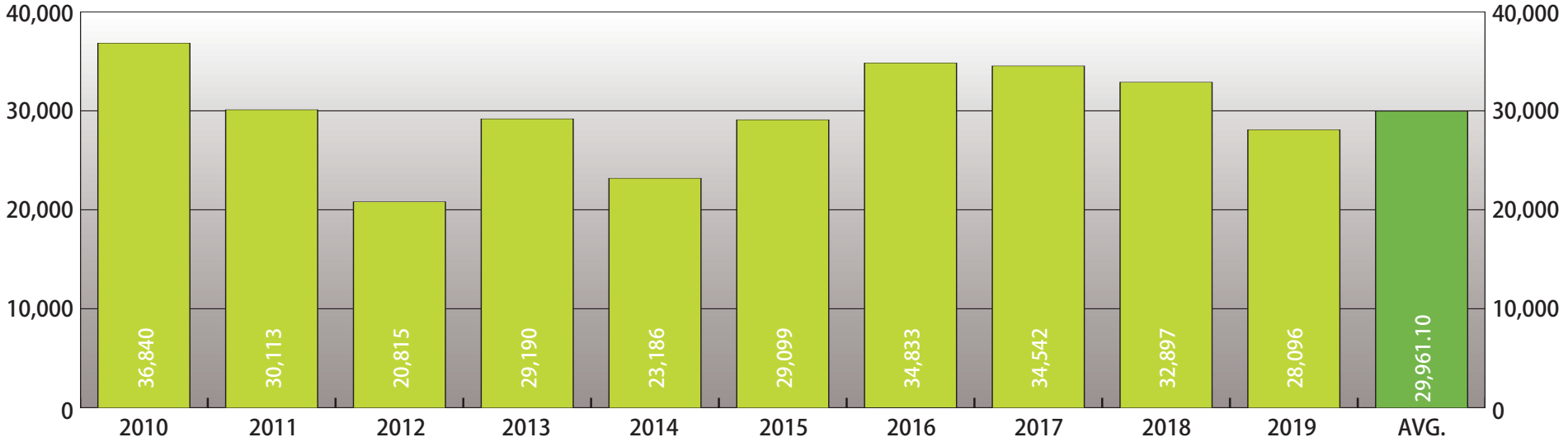
RECORDED IMAGES BY MANNER OF DEATH*

79,209 Digital Photographs



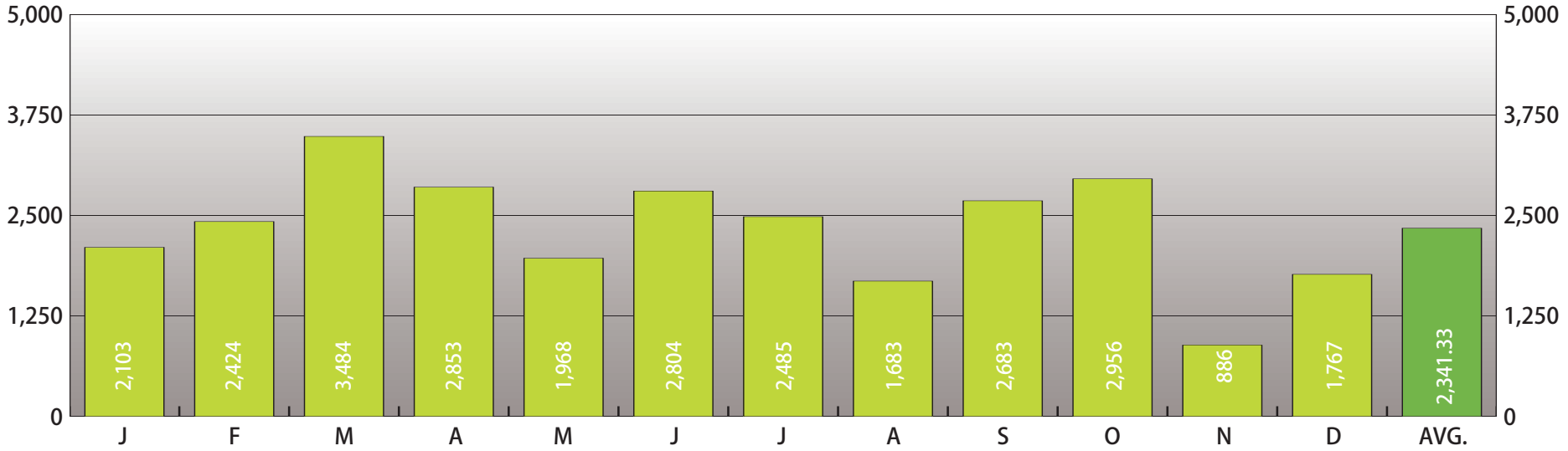
*Only the 81,892 digital images of 2019 Medical Examiner's cases taken in the calendar year 2019 were tabulated for this chart.
**Not included on this chart: Accidents While at Work (356) and No Manner Issued (25)

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



2019 PHOTOGRAPHY UNIT REPORT

TOTAL NUMBER OF RELEASED IMAGES (PRINTED AND DIGITAL) BY MONTH FOR THE YEAR 2019



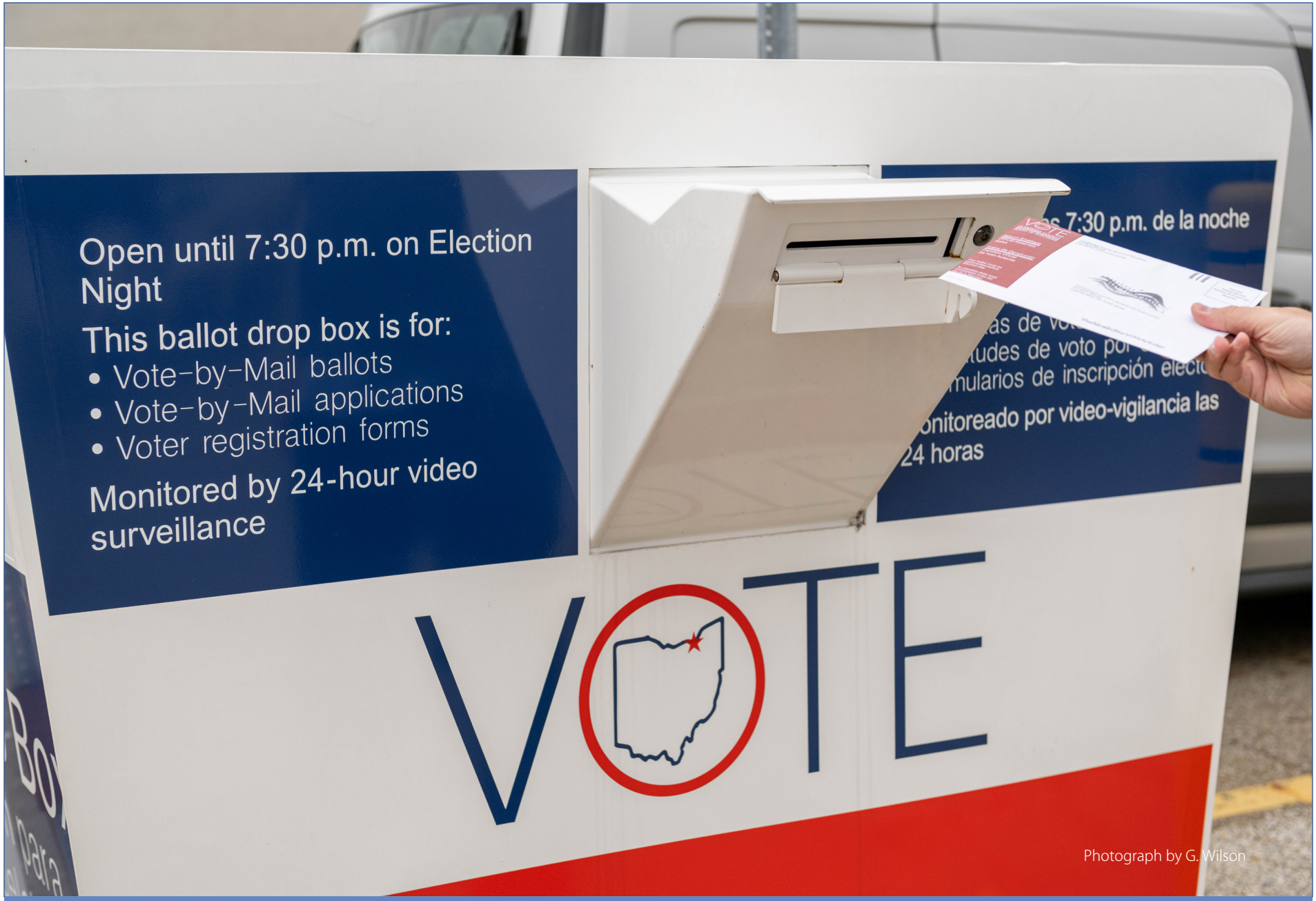
While in the planning for over a decade, "The Lab" has been in operation for only a brief time. However, it is built upon the foundation of one of the oldest and longest continuously running coroner labs in the nation. Now under a new government, Cuyahoga County appoints a professional forensic pathologist 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

2019 DRUG CHEMISTRY SECTION REPORT

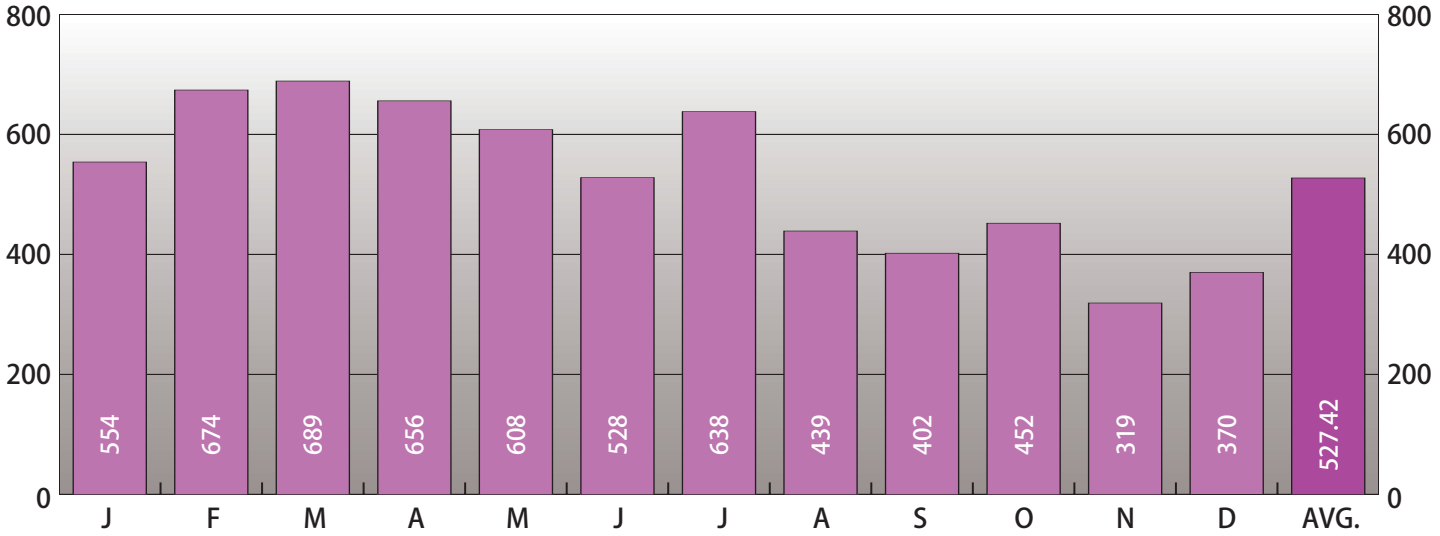
The Drug Chemistry Section started in 2008 as plans for a regional crime lab began to take shape. The Coroner's Drug Chemistry Section became more of a reality when an agreement was reached with the Cuyahoga County Sheriff for the Coroner's office to be the sole provider of controlled substance testing 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 4.5 days to complete a case in 2019. 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. S.B. 57 was signed and made effective August 1, 2019. In short, all marijuana and associated products including hashish, vape cartridges, and marijuana edible need to be quantitated for THC content. The laboratory does not have a validated method for quantitation. Acceptance of these types of evidence has been suspended until such method can be developed and validated.

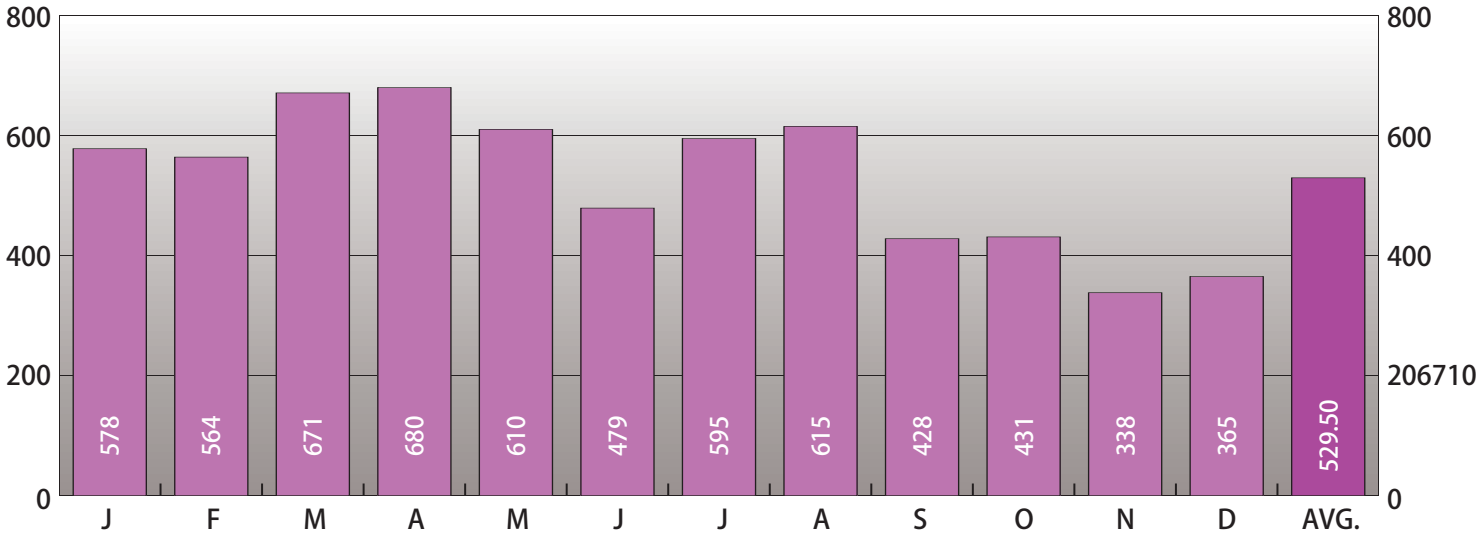
CASES SUBMITTED BY MONTH FOR THE YEAR 2019



2019
TOTAL CASES
6,329

2019 DRUG CHEMISTRY SECTION REPORT

CASES COMPLETED BY MONTH FOR THE YEAR 2019



2019 CASELOAD BY SUBMITTING AGENCY

TABLE 75

Submitting Agency	Total	Submitting Agency	Total	Submitting Agency	Total
Cleveland Police Department-2nd District	649	Cuyahoga County Medical Examiners Office	33	Orange Village Police Department	6
Cleveland Police Department-4th District	617	Westshore Enforcement Bureau	33	Walton Hills Police Department	6
Parma Police Department	460	Bay Village Police Department	32	Adult Parole Authority	5
Cleveland Police Department-3rd District	416	Brooklyn Police Department	31	South Euclid Police Department	5
Cleveland Police Department-5th District	412	Newburgh Heights Police Department	31	Cuyahoga Heights Police Department	4
CMHA Police Department	349	Shaker Heights Police Department	26	Richmond Heights Police Department	4
Cuyahoga County Sheriff Office	282	Linndale Police Department	22	U.S. Pretrial Services and Probation Office	4
Cleveland Police Department Narcotics	273	University Hospitals Police Department	22	Oakwood Village Police Department	3
Cleveland Police Department-1st District	215	US Postal Inspection Service	20	US Department of Veterans Affairs-Police Service	3
Euclid Police Department	191	Mayfield Heights Police Department	18	US Food and Drug Administration	3
RTA Transit Police	182	Middleburg Heights Police Department	18	Cleveland Police Department Traffic Enforcement	2
Westlake Police Department	152	Fairview Park Police Department	17	Valley View Police Department	2
Lakewood Police Department	133	Lyndhurst Police Department	17	Case Western Reserve University Police Department	1
CPD Gang Impact Unit	129	Garfield Heights Police Department	15	Cleveland State University Police	1
East Cleveland Police Department	114	University Circle Police Department	15	Gates Mills Police Department	1
North Olmsted Police Department	87	Bratenahl Village Police Department	12	Pepper Pike Police Department	1
Southeast Area Law Enforcement - SEALE	73	CPD Cleveland-Hopkins Airport Authority	12	Portage County Sheriff Office	1
Cleveland Heights Police Department	70	Cleveland Police Department Homicide	11		
Cleveland MetroPark Ranger Department	62	Mayfield Village Police Department	11		
North Royalton Police Department	61	Olmsted Township Police Department	11		
SPAN Drug Enforcement Unit - SDEU	58	Seven Hills Police Department	11		
CPD NICE Unit	51	ATF Alcohol Tobacco and Firearms	10		
Cleveland Clinic Police Department	47	Maple Heights Police Department	9		
Brookpark Police Department	44	Bedford Heights Police Department	8		
Berea Police Department	43	Chester Township Police Department	8		
Beachwood Police Department	41	Parma Heights Police Department	8		
DEA Cleveland	41	Highland Heights Police Department	7		
Homeland Security Investigations	39	Moreland Hills Police Department	7		
Bedford Police Department	36	Olmsted Falls Police Department	6		

TABLE 76

2019 CONTROLLED SUBSTANCE RESULT FREQUENCY*

Controlled Substance	Total	Controlled Substance	Total	Controlled Substance	Total
Cocaine	5399	5-Fluoro-ADB	67	Boldenone Undecylenate	16
Marihuana	3012	Nicotine	63	FUB144	16
Heroin	2344	5-Fluoro-MDMB-PICA	61	Methandrostenolone	16
Fentanyl	2013	Fluoro-Furanyl Fentanyl	56	Testosterone	16
THC	1947	Clonazepam	52	Melatonin	15
No Controlled Substance	1545	Psilocyn	49	Tenocyclidine	14
Methamphetamine	1372	Diazepam	43	Testosterone-Phenylproprionate	14
Carfentanil	899	Methoxyacetylfentanyl	40	Codeine and Acetaminophen	13
4-ANPP	502	Ketamine	37	Dehydrochloromethyltestosterone	13
Acetylfentanyl	459	CBD	36	Diclazepam	13
Non-Scheduled Medication	359	Promethazine	35	Lisdexamphetamine	13
Tramadol	320	Gabapentin	34	Mestanolone	13
PCP	221	Monoacetylmorphine	34	Hydromorphone	12
Oxycodone	207	Testosterone Enanthate	34	Naloxone	12
Oxycodone and Acetaminophen	189	Valerylfentanyl	33	Pregabalin	11
Caffeine	187	Sildenafil	32	4-Fluoro-MDMB Butinaca	10
Alprazolam	174	Phenylfentanyl	30	Methylphenidate	10
Flualprazolam	167	Morphine	29	Methyltestosterone	10
Lysergic Acid Diethylamide	161	Hydrocodone and Acetaminophen	27	3-Methylfentanyl	9
Hashish	156	Testosterone Cypionate	27	Butyrylfentanyl	9
Amphetamine	149	Oxandrolone	26	Doxepin	9
Acetaminophen	146	Mitragynine (Kratom)	25	No Identification Performed	9
N-Ethylpentylone	144	Hydrocodone	24	Oxymetholone	9
MDMA	111	Stanozolol	23	Trenbolone Acetate	9
Eutylone	110	Buprenorphine	21	Zolpidem	9
Buprenorphine and Naloxone	92	Clonazolam	21	Bupropion	8
3, 4-Methylenedioxy-N-benzylcathinone	78	Dextromethorphan	19	Cannabis Derivative Product	8
Diphenhydramine	76	Lorazepam	17	Modafinil/Armodafinil	8
Quinine	72	Methaqualone	17	Benzylfentanyl	7
Etizolam	69	Aspirin	16	Boldenone	7

2019 CONTROLLED SUBSTANCE RESULT FREQUENCY* (continued)

TABLE 76

Controlled Substance	Total	Controlled Substance	Total	Controlled Substance	Total
Codeine	7	Tianeptine	3	LGD-4033	1
MMMP	7	Trazodone	3	MDMB-4en-PINACA	1
N, N-Dimethylamphetamine	7	6-alpha-Chlorotestosterone	2	Nandrolone	1
N-Butyl Pentylone	7	Alpha-PVP	2	O-Desmethyl-Tramadol	1
Phentermine	7	Androstenolone	2	Phendimetrazine	1
Testosterone Propionate	7	Benzphetamine	2	Phenibut	1
5-Fluoro-EDMB-Pinaca	6	Clobazam	2	Phenobarbital	1
Lidocaine	6	Clostebol Acetate	2	Testosterone Decanoate	1
Nandrolone Phenylpropionate	6	Lysergic Acid Amide	2	Testosterone Isocaproate	1
N-Methyl-Norfentanyl	6	Nordiazepam	2	Triazolam	1
Quetiapine	6	Propofol	2		
DMT	5	Serotonin	2		
Fluoxymesterone	5	Stanolone	2		
Methyldienolone	5	Tadalafil	2		
N, N-Dimethyltryptamine (DMT)	5	Testosterone Undecanoate	2		
N-Benzyl Furanylnorfentanyl	5	Trenbolone	2		
4-Chloroethcathinone	4	Trenbolone Enanthate	2		
4-Fluoro-PHP	4	2C-B	1		
FUB-AMB	4	2C-D	1		
Ibuprofen	4	4-Cyano-Cumyl-Butinaca	1		
Isopropyl U47700	4	5-MeO-DMT	1		
Methadone	4	bk-DMBDB	1		
Propylone	4	Carisoprodol	1		
U-47700	4	Codeine, Butalbital, and Caffeine	1		
1 ,4-Butanediol	3	Drostanolone Propionate	1		
Cyclopropyl/Crotonylfentanyl	3	Ephedrine/Pseudoephedrine	1		
Flubromazolam	3	Epiandrosterone	1		
Nandrolone Decanoate	3	FluoroIsoButyrylFentanyl	1		
Pentylone	3	Furanylfentanyl	1		
Temazepam	3	Levorphanol	1		

TABLE 77

2019 CONTROLLED SUBSTANCE AMOUNTS REPORTED

Controlled Substance	Grams	Items	Unit Dose	Controlled Substance	Grams	Items	Unit Dose	Controlled Substance	Grams	Items	Unit Dose
1,4-Butanediol Residue		1		Alprazolam	385.55			Clonazepam	0.68		
1,4-Butanediol	516.05			Alprazolam			995	Clonazepam			401
2-CB	0.1			Amphetamine Residue		10		Clonazolam	87.31		
3,4-Dimethoxyfentanyl	0.03			Amphetamine			933.75	Clostebol Acetate	0.94		
3,4-Methylenedioxy-N-benzylcathinone	102.86			Amphetamine	18.48			Cocaine Base Residue		24	
3-Methylfentanyl	26.66			Aspirin	38.55			Cocaine Base	3,836.30		
4-ANPP Residue		52		Benzphetamine Residue		1		Cocaine Hydrochloride Residue		5	
4-ANPP	6,134.82			Benzylfentanyl Residue		1		Cocaine Hydrochloride	36,172.48		
4-Chloroethcathinone	2.08			Benzylfentanyl	1.29			Cocaine Residue		1,256	
4-Cyano-Cumyl-Butinaca	0.06			bk-DMBDB (Dibutylone) Residue		1		Cocaine	8,626.76		
5-Fluoro-ADB Residue		1		bk-MBDB (Butylone)	0.12			Codeine and Acetaminophen			114
5-Fluoro-ADB	189.27			Boldenone Undecylenate	33.42			Codeine Residue		1	
4-Flouro-MDMB Butanica	16.06			Buprenorphine and Naloxone	2.39			Codeine Syrup	97.41		
4-Fluoro-PHP	1.31			Buprenorphine and Naloxone			862	Codeine, Butalbital, Caffeine and Aspirin	7		
4-MeO-alpha-PPP	0.06			Buprenorphine Residue		3		Codeine	29.12		
5-Fluoro-ADB Residue		3		Buprenorphine	5.37			Crontonylfentanyl Residue		1	
5-Fluoro-ADB	132.98			Buprenorphine			70	Cyclopropyl/Crotonylfentanyl Residue		1	
5-Fluoro-EDMB-Pinaca Residue		1		Bupropion Residue		2		Cyclopropyl/Crotonylfentanyl	1.72		
5-Fluoro-EDMB-Pinaca	12.92			Bupropion	3.07			Cyproheptadine	0.61		
5-Fluoro-MDMB-PICA Residue		3		Butyrylfentanyl	1,133.17			Dehydrochloromethyltestosterone	22.55		
5-Fluoro-MDMB-PICA	500.69			Caffeine Residue		15		Dextromethorphan	1,806.42		
5-MeO-DMT	0.19			Caffeine	5,720.47			Diazepam Residue		5	
6-alpha-Chlorotestosterone	0.95			Cannabinol Residue		1		Diazepam	24.44		
Acetaminophen Residue		18		Cannabis Derivative Product - No Further Testing to be Performed		13		Diazepam			91
Acetaminophen	4,253.23			Carfentanil Residue		97		Diclazepam	359.09		
Acetylfentanyl Residue		59		Carfentanil	5,663.33			Diphenhydramine Residue		13	
Acetylfentanyl	4,303.77			Carisoprodol			1,209.75	Diphenhydramine	7,493.92		
ADB-FUBINACA	17.07			CBD Residue		3		Doxepin	316.81		
Alpha-PVP	1.31			CBD	853.21			Dronabinol			1
Alprazolam Residue		9		Clobazam	1			Ephedrine/Pseudoephedrine Residue		1	

2019 CONTROLLED SUBSTANCE AMOUNTS REPORTED (continued)

TABLE 77

Controlled Substance	Grams	Items	Unit Dose	Controlled Substance	Grams	Items	Unit Dose	Controlled Substance	Grams	Items	Unit Dose
Ephedrine/Pseudoephedrine	316.02			Hydromorphone			5	Methamphetamine Residue		228	
Etizolam Residue		2		Ibuprofen	0.42			Methamphetamine	34,159.68		
Etizolam	1,062.66			Isopropyl U47700	3.09			Methandrostenolone	8.88		
Eutylone Residue		4		Ketamine Residue		5		Methaqualone	0.72		
Eutylone	127.32			Ketamine	4,559.63			Methasterone	15.27		
Fentanyl Residue		395		Levorphanol	0.4			Methoxyacetylfentanyl Residue		13	
Fentanyl	19,948.17			LGD-4033	8.76			Methoxyacetylfentanyl	59.55		
Flualprazolam Residue		20		Lidocaine Residue		1		Methyldienolone	49.54		
Flualprazolam	1,255.82			Lidocaine	407.45			Methylphenidate	0.71		
Flubromazolam	1.45			Lisdexamphetamine	0.1			Methylphenidate			55
Fluoro-Furanyl Fentanyl Residue		10		Lisdexamphetamine			31	Mitragynine (Kratom) Residue		1	
Fluoro-Furanyl Fentanyl	0.91			Lorazepam Residue		1		Mitragynine (Kratom)	1,738.08		
FluoroIsoButyrylFentanyl Residue		1		Lorazepam	1.01			MMMP	677.92		
FUB144 Residue		3		Lorazepam			41	Modafinil/Armodafinil Residue		1	
FUB144	125.52			Lysergic Acid Amide	22.03			Modafinil/Armodafinil	595.79		
FUB-AMB Residue		2		Lysergic Acid Diethylamide Residue		4		Modafinil/Armodafinil			13
FUB-AMB	4.2			Lysergic Acid Diethylamide	5.33			Monoacetylmorphine Residue		25	
Furanylfentanyl	9.85			Lysergic Acid Diethylamide			1,193	Monoacetylmorphine	7.44		
Gabapentin Residue		4		Mannitol Residue		1		Morphine Residue		8	
Gabapentin	209.01			Mannitol	1.43			Morphine	149.84		
Hashish Residue		4		Marihuana Residue		104		Morphine			24
Hashish	10,180.91			Marihuana	270,884.35			N,N-Dimethylamphetamine Residue		6	
Heroin Residue		438		MDA	1.19			N,N-Dimethylamphetamine	0.24		
Heroin	19,088.29			MDMA Residue		6		N,N-Dimethyltryptamine (DMT) residue		3	
Hydrocodone and Acetaminophen			409.5	MDMA	9,597.28			N,N-Dimethyltryptamine (DMT)	2.38		
Hydrocodone Residue		10		Melatonin	40.87			Naloxone	2.9		
Hydrocodone	12.7			Meperidine	0.18			Nandrolone Decanoate Residue		1	
Hydrocodone			3	Mestanolone	0.96			Nandrolone Residue		1	
Hydromorphone Residue		2		Methadone	3.97			N-Benzyl Furanylnorfentanyl Residue		1	
Hydromorphone	4.12			Methadone			13	N-Benzyl Furanylnorfentanyl	1.38		

TABLE 77

2019 CONTROLLED SUBSTANCE AMOUNTS REPORTED

Controlled Substance	Grams	Items	Unit Dose	Controlled Substance	Grams	Items	Unit Dose	Controlled Substance	Grams	Items	Unit Dose
N-butyl Pentylone Residue		1		Phentermine			107	Testosterone Isocaproate	28.84		
N-butyl Pentylone	4.59			Phenylfentanyl Residue		2		Testosterone Propionate	30.87		
N-Ethylpentylone Residue		11		Phenylfentanyl	20.16			Testosterone Undecanoate	0.87		
N-Ethylpentylone	140.76			Pregabalin Residue		1		Testosterone	2.25		
Nicotine Residue		23		Pregabalin	556.93			Testosterone-Phenylproprionate	28.84		
Nicotine	519.86			Pregabalin			59	THC Residue		564	
Nicotine			20	Promethazine and Dextromethorphan	55.54			THC	16,502.05		
N-Methyl-Norfentanyl Residue		1		Promethazine Residue		3		Tianeptine	20.52		
N-Methyl-Norfentanyl	1.03			Promethazine	2,915.63			Tramadol Residue		54	
No Identification Performed (Weight Only)	4,743.76			Propofol	20.48			Tramadol	1,892.04		
No Analysis Performed (Non-Scheduled Medication)			9,546	Propoxyphene	117.57			Tramadol			4,071.50
Nordiazepam	51.03			Propylone	2.05			Trazodone	0.78		
O-Desmethyl-Tramadol	0.87			Psilocyn	1,091.65			Trenbolone Enanthate	36		
Oxandrolone Residue		1		Quetiapine	0.71			U-47700 Residue		1	
Oxandrolone	2.55			Quinine Residue		12		U-47700	19.04		
Oxazepam			26	Quinine	1,000.29			Valerylfentanyl Residue		8	
Oxycodone and Acetaminophen			1,596.75	Rolicyclidine	2.79			Valerylfentanyl	361.94		
Oxycodone Residue		63		Serotonin	7.78			Zolpidem	20.88		
Oxycodone	14.14			Sildenafil	24.75			Zolpidem			504.5
Oxycodone			2,217.50	Stanolone	0.78						
Oxymetholone	16.81			Stanozolol Residue		1					
Pentylone	1.01			Stanozolol	51.69						
p-Fluoro-Furanyl Fentanyl Residue		13		Tadalafil	1.01						
p-Fluoro-Furanyl Fentanyl	33.78			Temazepam			9				
Phencyclidine (PCP)	3,983.10			Tenocyclidine Residue		3					
Phencyclidine (PCP)			48.5	Tenocyclidine	29.56						
Phencyclidine Residue		36		Tenocyclidine			5				
Phendimetrazine			84	Testosterone Cypionate	358.81						
Phenibut	11.77			Testosterone Decanoate	28.84						
Phenobarbital	6.13			Testosterone Enanthate	37.98						

TURN UP TO VOTE AT ROCKET MORTGAGE FIELDHOUSE

Photograph by G. Wilson

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

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

Development techniques routinely utilized by the Fingerprint Lab include:

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

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

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

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

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

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

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

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

Amido Black (protein enhancer for blood prints)

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

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

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

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

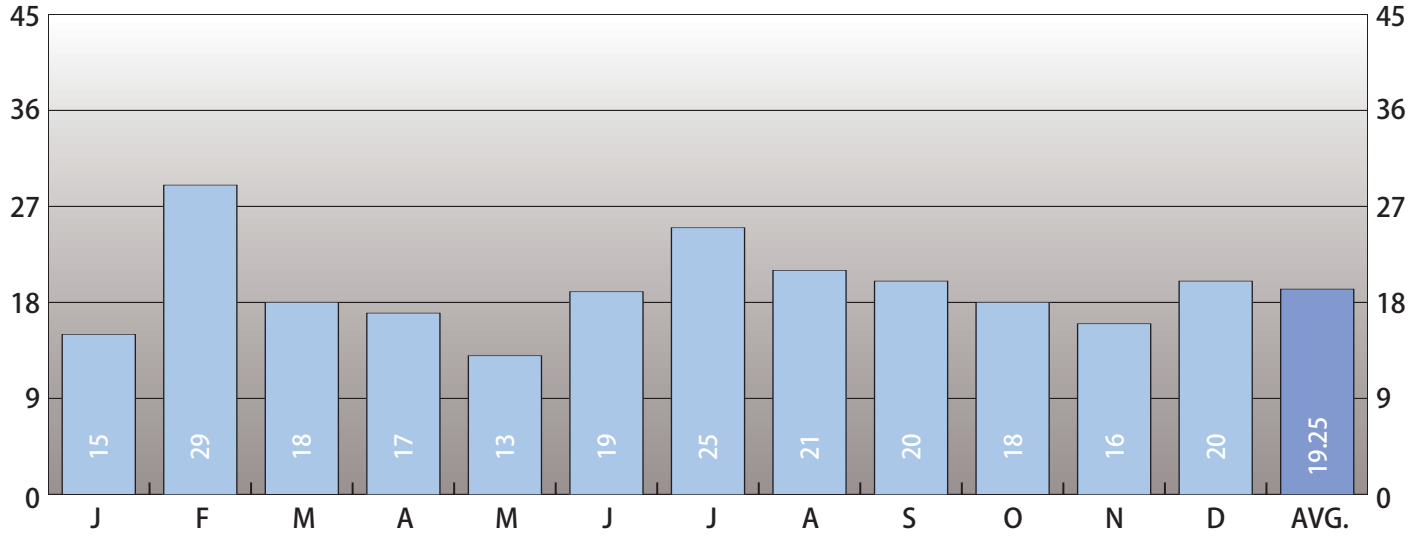
Comparison—the observation of two or more impressions to determine the existence of discrepancies, dissimilarities or similarities

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

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

674 decedents were fingerprinted in 2019.
170 tentative/unknown decedents were fingerprinted in 2019.
135 tentative/unknown decedents were identified by fingerprints in 2019.

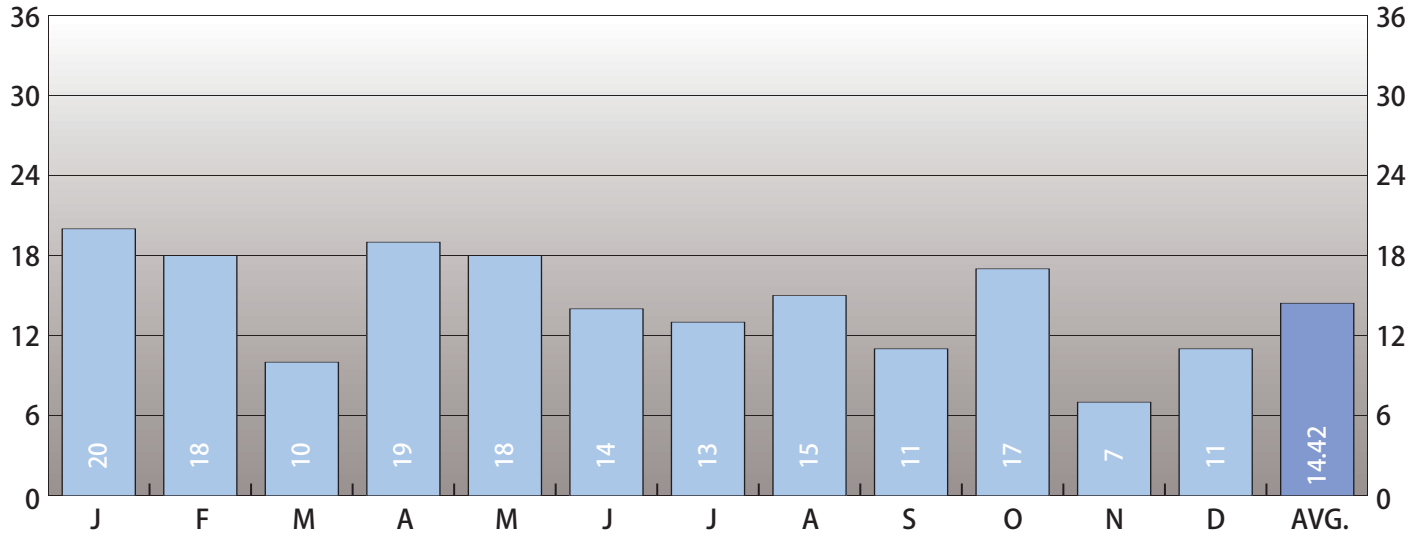
CASES SUBMITTED BY MONTH FOR THE YEAR 2019



2019
TOTAL CASES
231

2019 FINGERPRINTS UNIT REPORT

CASES COMPLETED BY MONTH FOR THE YEAR 2019



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

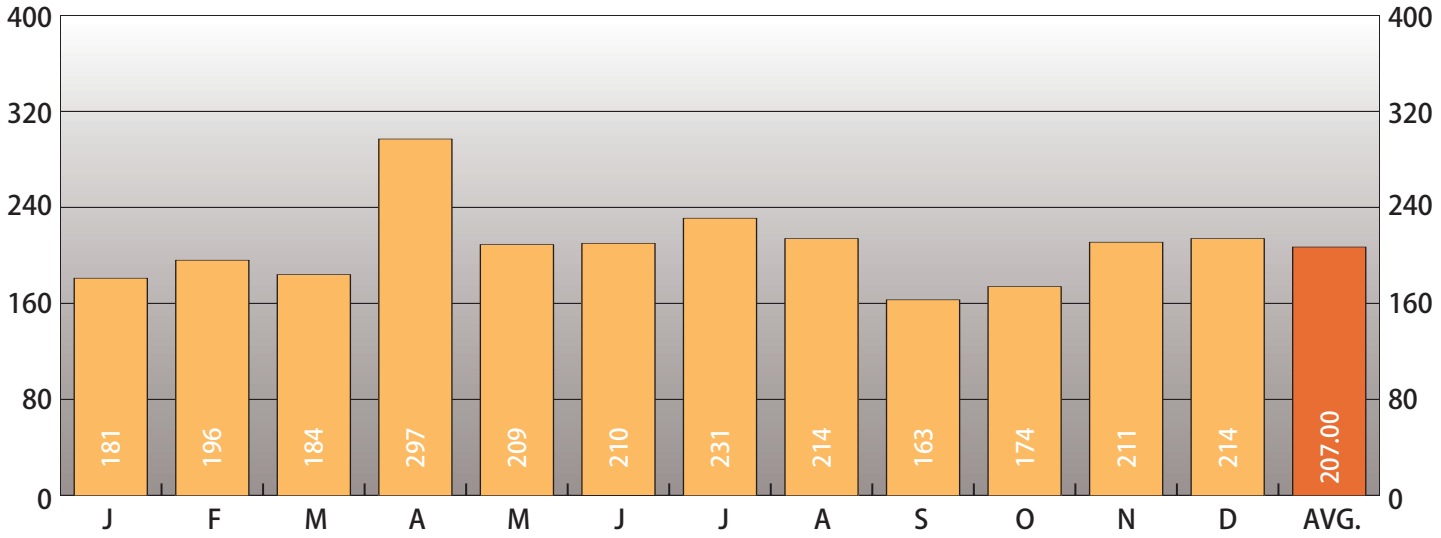
Forensic Firearms Identification deals primarily with the examination and comparison of fired ammunition components with known firearms. Evidence collected from crime scenes is examined and microscopically compared with test samples collected from test fired firearms in the laboratory. This process determines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

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

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

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

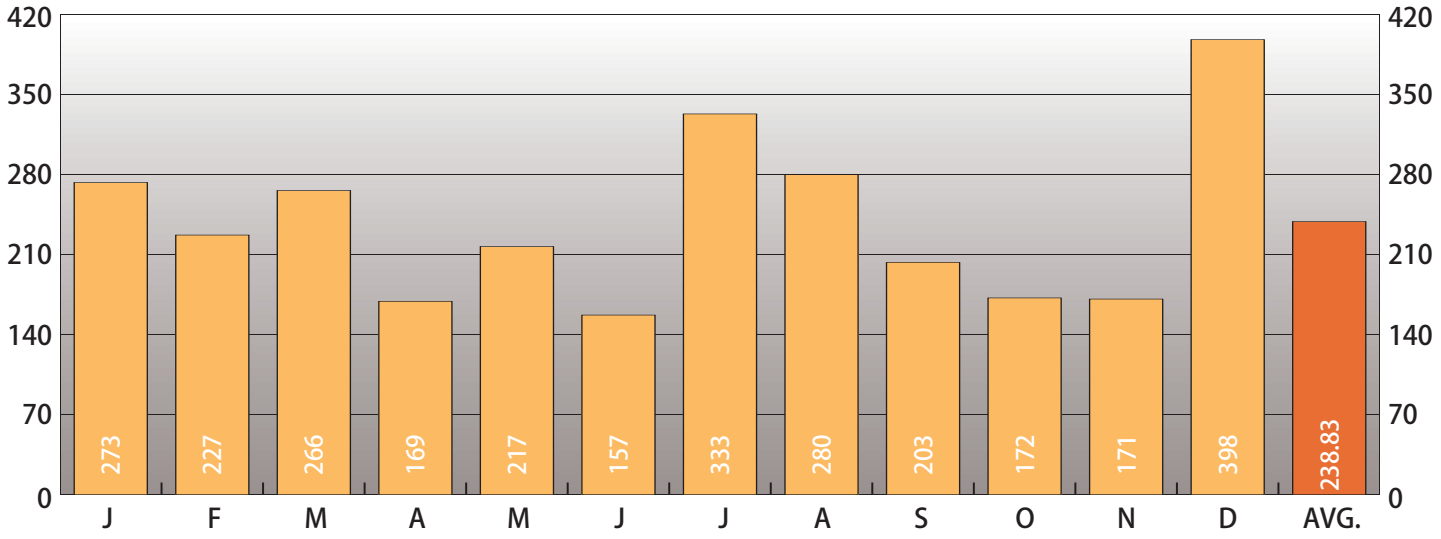
CASES SUBMITTED BY MONTH FOR THE YEAR 2019



2019
TOTAL CASES
2,484

2019 FIREARMS & TOOLMARKS UNIT REPORT

CASES COMPLETED BY MONTH FOR THE YEAR 2019



Photograph by G. Wilson

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 ANSI National Accreditation Board. These accreditations verify the reliability of various aspects of the testing including laboratory equipment, the qualifications of our laboratory staff, and the soundness of our testing methods and standard operating procedures.

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

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

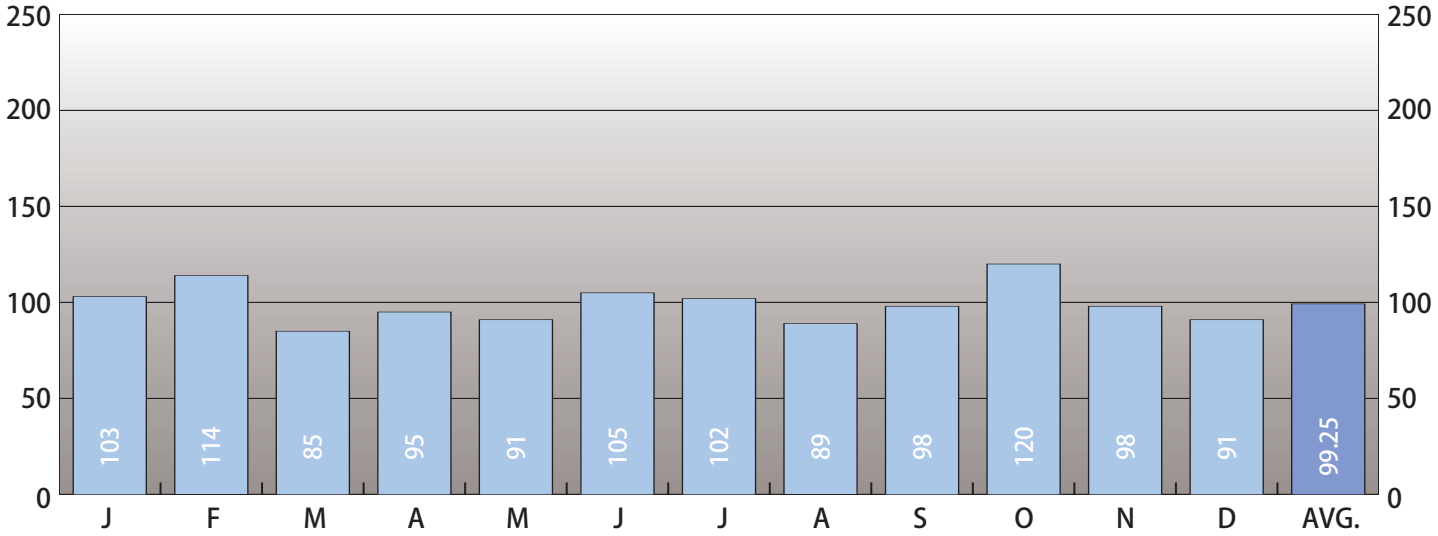
The unit assists law enforcement in resolving homicide cases through identification of any foreign DNA on the victim and through identification of DNA on the evidence collected from the crime scene and potential suspects. The unit also performs DNA analysis on biological evidence collected in sexual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

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

The Forensic DNA Unit also performs DNA analysis in "Cold Cases" using the latest DNA technologies. The unit uses TrueAllele Technology, a probabilistic genotyping computer interpretation system to interpret DNA evidence using statistical modeling.

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

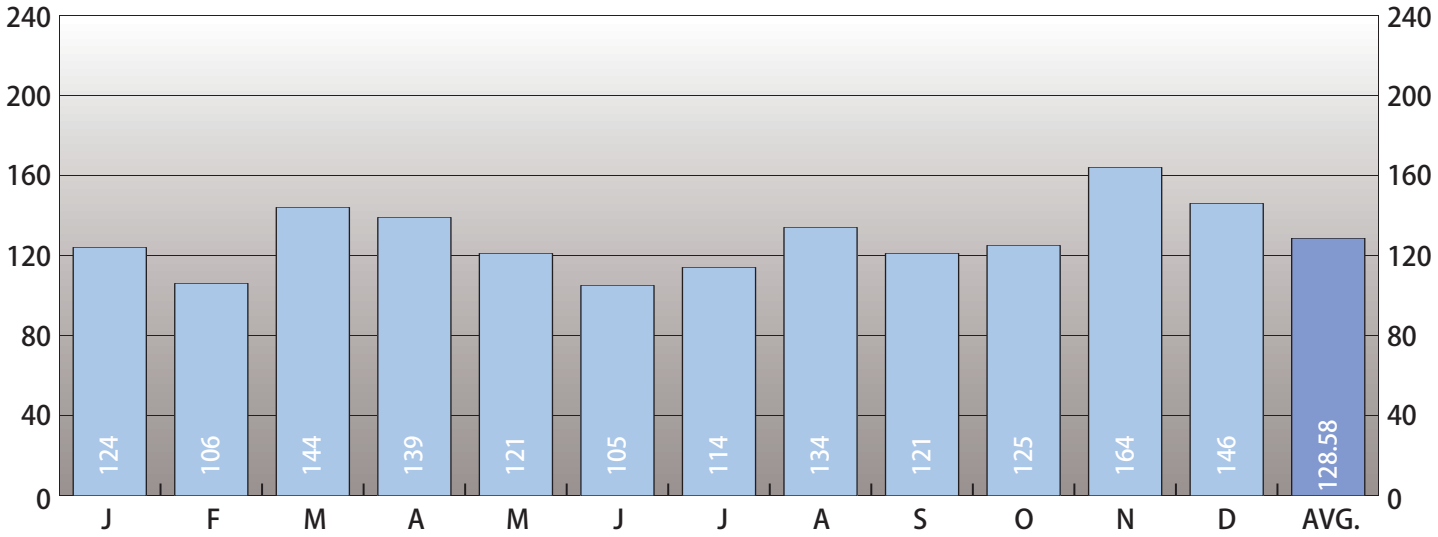
CASES SUBMITTED BY MONTH FOR THE YEAR 2019



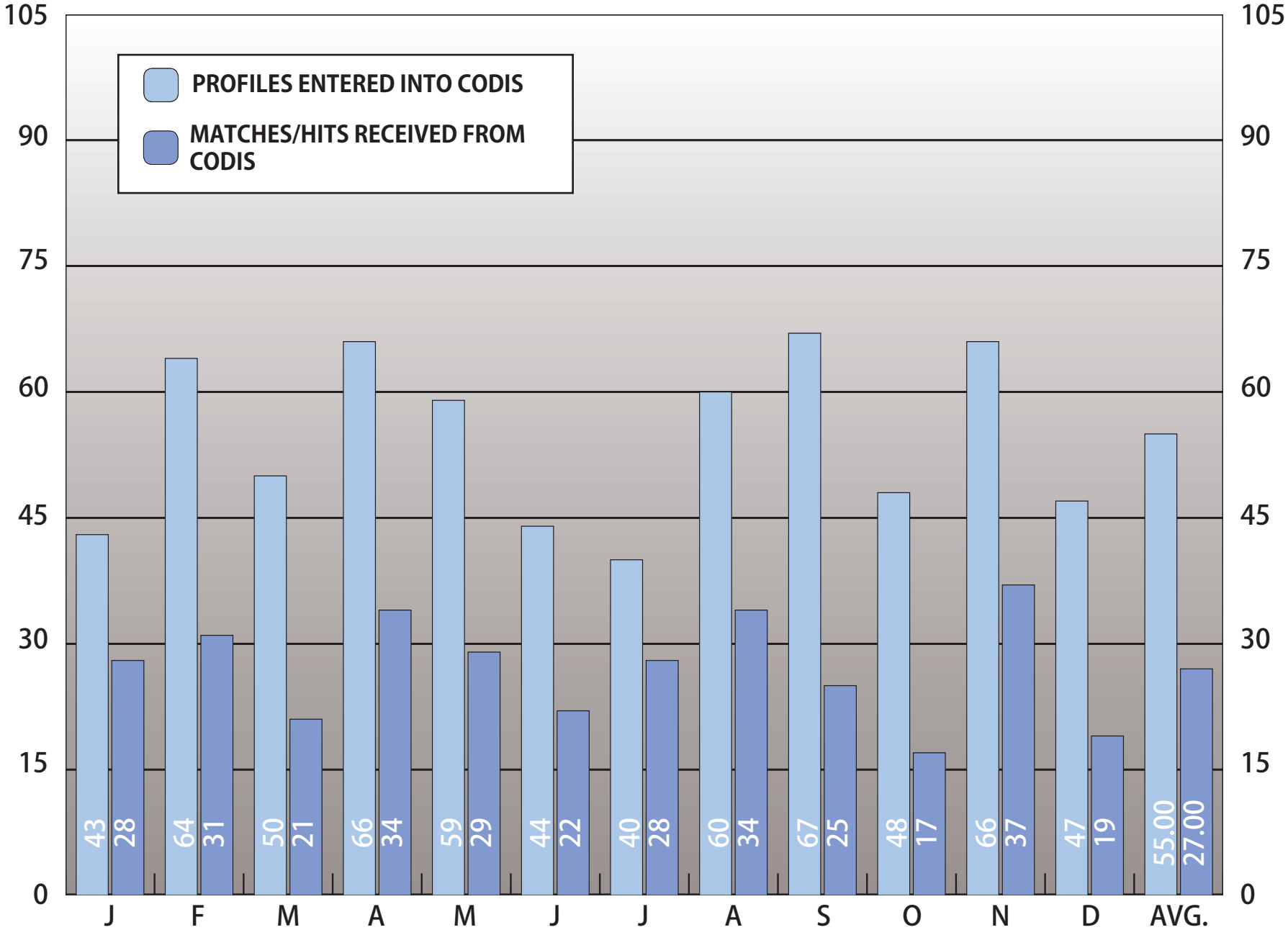
2019
TOTAL CASES
1,191

2019 FORENSIC DNA UNIT REPORT

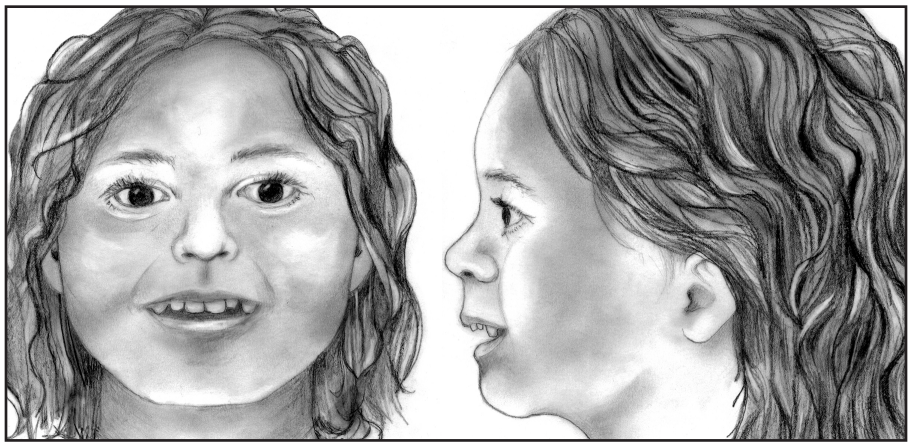
CASES COMPLETED BY MONTH FOR THE YEAR 2019



2019 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:

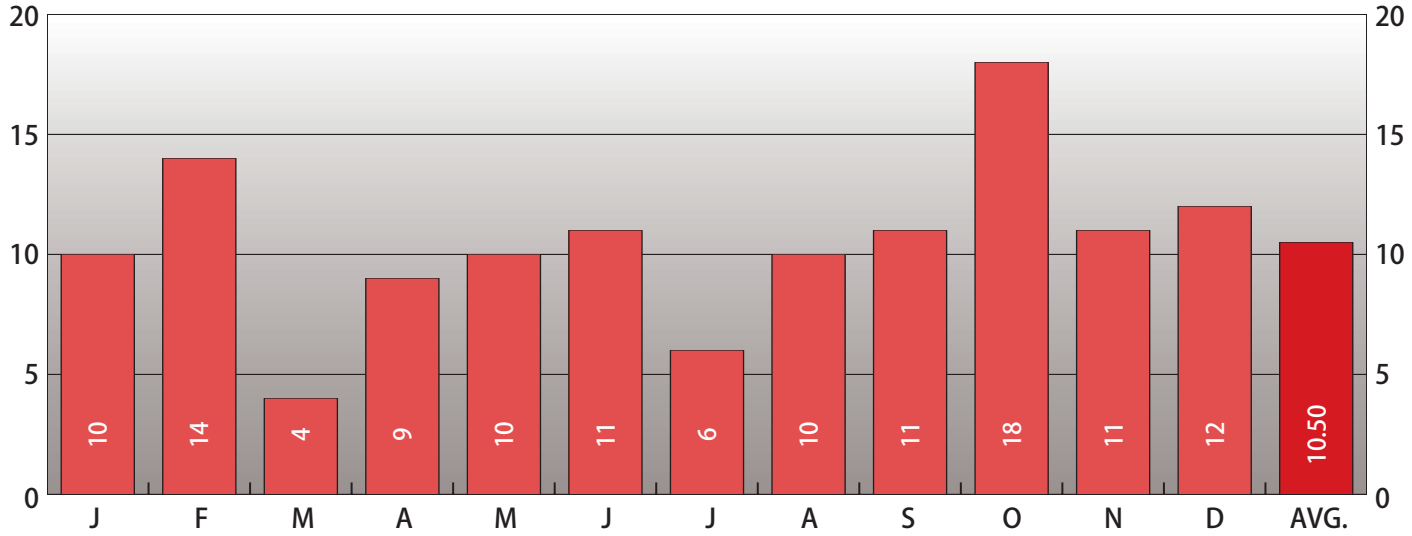
- Paternity test
- Maternity test
- Sibship test
- Grandparents test
- Twin Zygosity
- DNA ID profiling
- Immigration DNA test

In addition to performing identification and criminal paternity cases for medical examiner and law enforcement purposes, the Parentage & Identification Unit of the Cuyahoga County Regional Forensic Science Laboratory also provides DNA relationship services to the general public for the following legal purposes:

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

2019 PARENTAGE AND IDENTIFICATION DEPARTMENT REPORT

CASES SUBMITTED BY MONTH FOR THE YEAR 2019



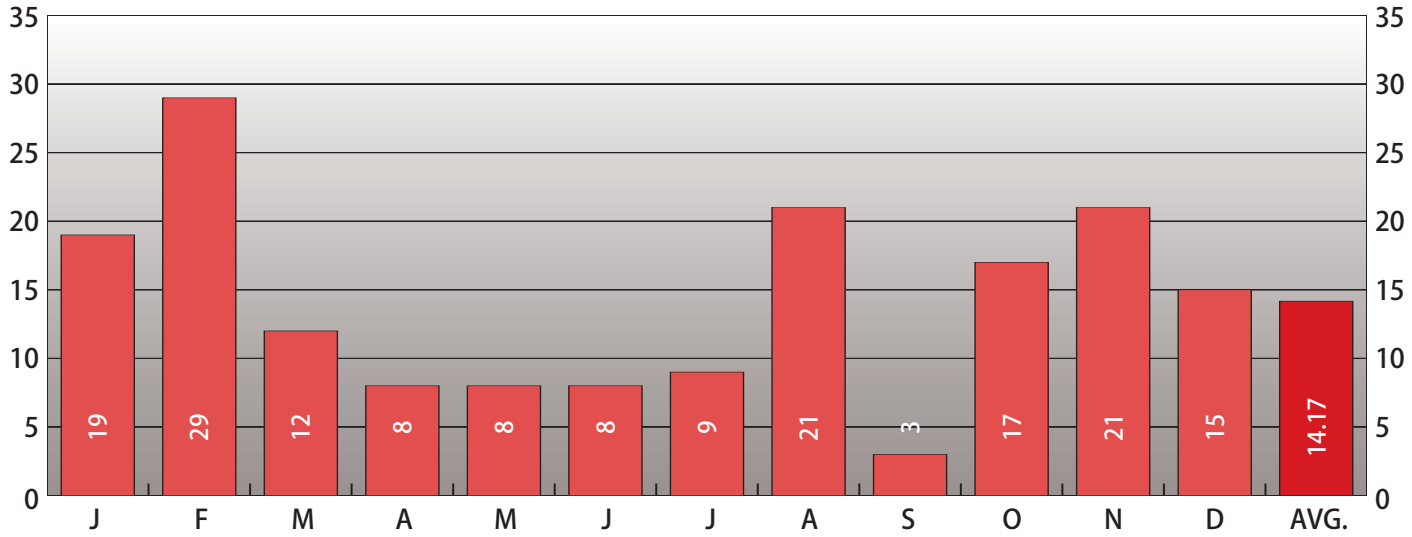
2019

TOTAL CASES

126

2019 PARENTAGE AND IDENTIFICATION DEPARTMENT REPORT

CASES COMPLETED BY MONTH FOR THE YEAR 2019



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.

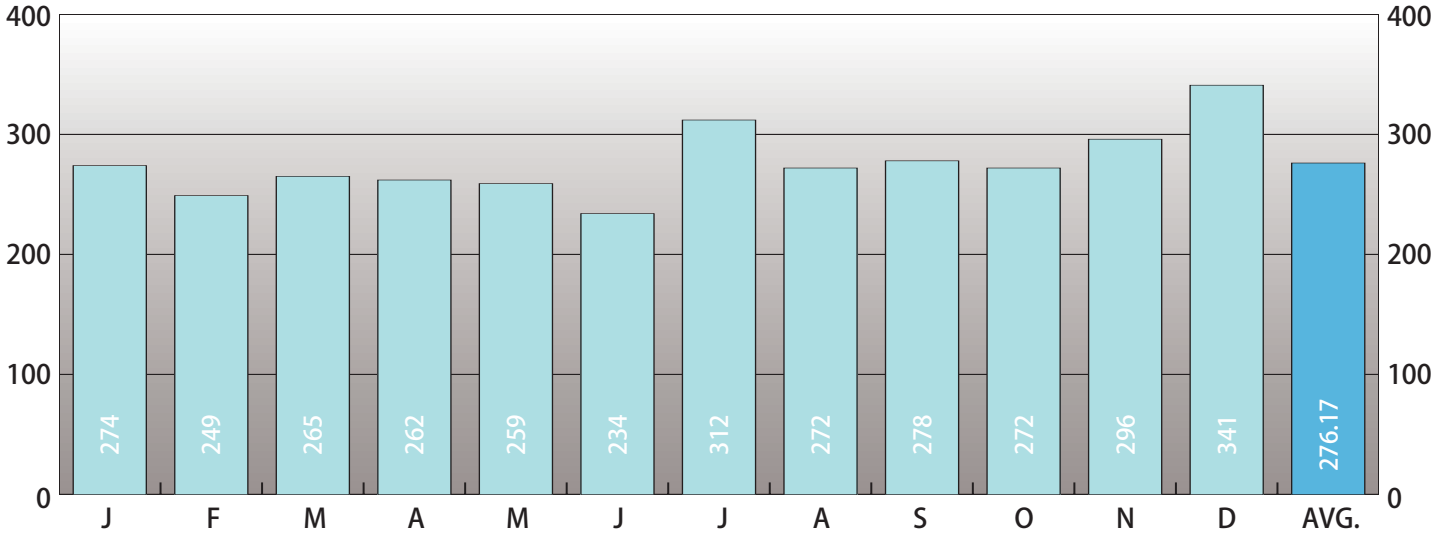
Postmortem toxicology is performed to assist pathologists, coroners or medical examiners determine whether drugs, alcohol or chemicals played a role in causing the death of an individual. The Toxicologist identifies and quantifies the drugs present in postmortem fluids and tissues and provides interpretation 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.

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

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

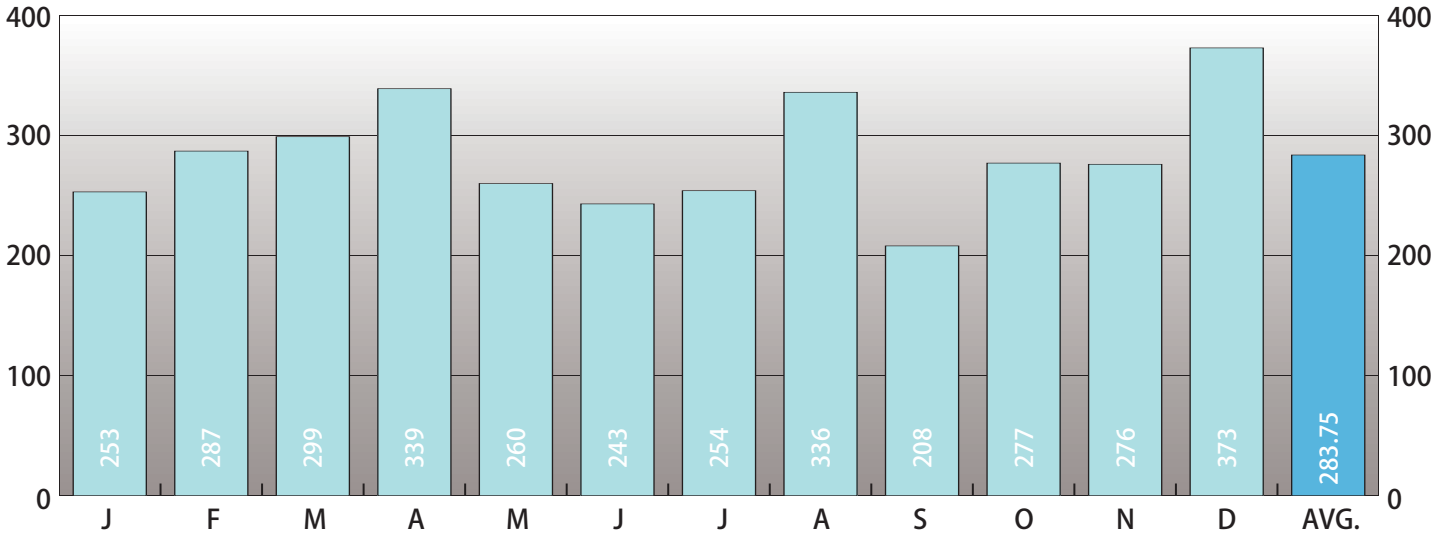
CASES SUBMITTED BY MONTH FOR THE YEAR 2019



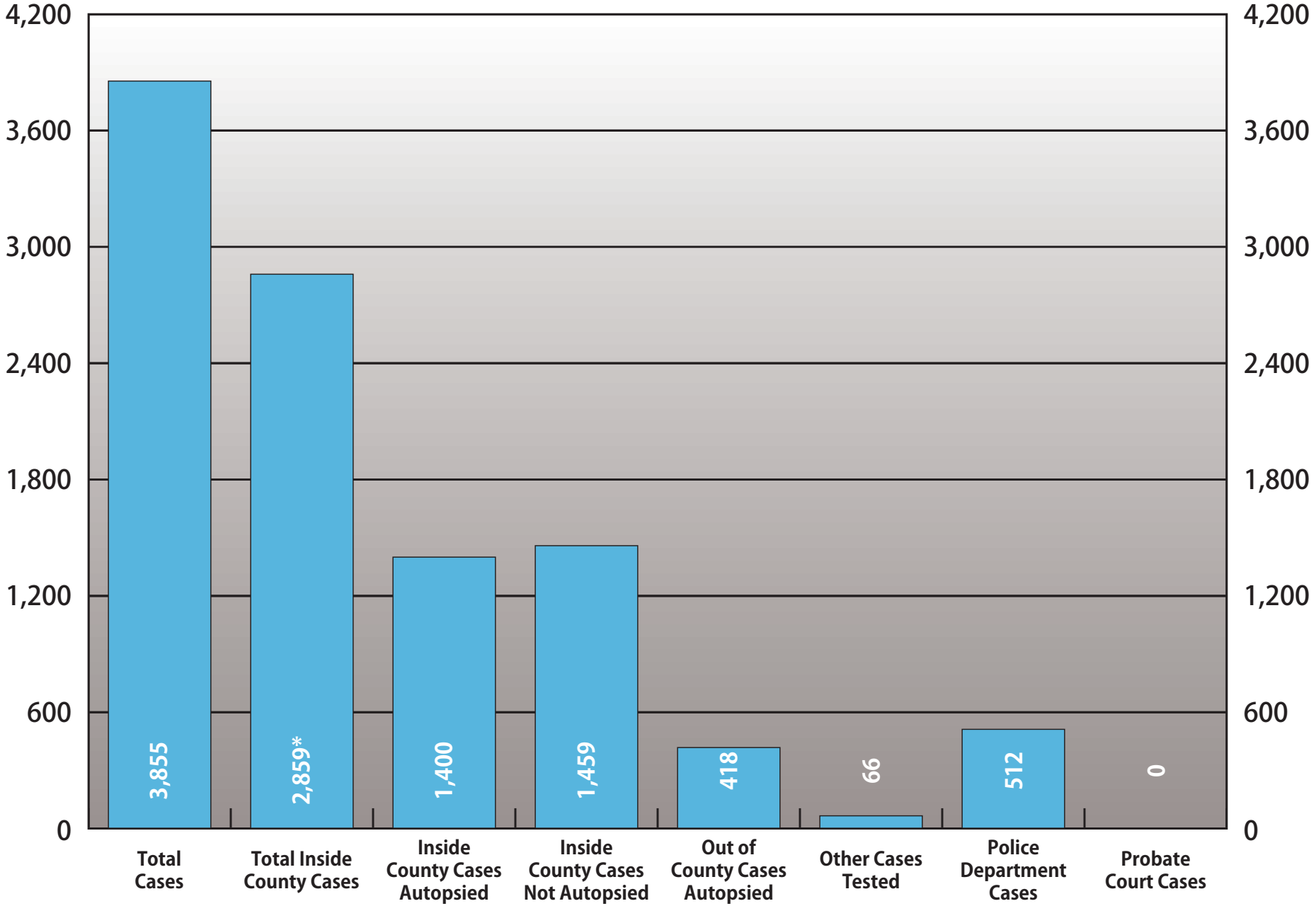
2019
TOTAL CASES
3,314

2019 TOXICOLOGY LABORATORY REPORT

CASES COMPLETED BY MONTH FOR THE YEAR 2019



2019 CASES SUBMITTED BY TYPE (BASED ON TESTING PERFORMED)



*Includes 4 hospital autopsies.

TABLE 78 INCIDENCE OF POISONING (%) IN TESTED INDIVIDUALS

	Cuyahoga County Medical Examiner's Office Cases			
	Number of Decedents		Number of Fatal Posionings	
Autopsied Cases*	1,400	(48.92%)	473	(81.55%)
Non-Autopsied Cases	1,459	(51.03%)	107	(18.45%)
Total	**2,859**	**(100.00%)**	**580**	**(100.00%)**

***Includes 4 hospital autopsies.**
NOTE: This table does NOT reflect Coroner's Amended cases.

INCIDENCE AND FREQUENCY OF POSITIVE FINDINGS*

TABLE 79

	Cuyahoga County Medical Examiner's Laboratory Cases		
	Fatal Poisonings		
Compounds	Number Positive	Compounds with an incidence ≤ 5	Number Positive
6-Acetylmorphine	116	(±)-cis-3-Methylfentanyl	2
Acetaminophen	6	1,1-Difluoroethane	3
Acetyl fentanyl	110	3,4-Methylenedioxymethamphetamine	3
Alprazolam	37	Baclofen	1
Amitriptyline	6	Benztropine	1
Amphetamine	11	Bupropion	2
Carbon Monoxide	30	Buspirone	2
Carfentanil	236	Butalbital	1
Citalopram/Escitalopram	11	Carisoprodol	2
Clonazepam	14	Clonidine	1
Cocaine	227	Cocaethylene	3
Diazepam	17	Codeine	3
Diphenhydramine	36	Cyclobenzaprine	2
Ethanol	174	Cyclopropyl fentanyl	3
Fentanyl	370	Dextromethorphan	3
Fluoxetine	11	Doxepin	3
Furanyl fentanyl	9	Ethylene Glycol	1
Gabapentin	85	Etizolam	2
Hydrocodone	6	Flecainide	1
Lorazepam	8	Hydromorphone	2
Methadone	9	Hydroxyzine	2
Methamphetamine	46	Isopropanol	3
Methoxyacetyl fentanyl	11	Ketamine	1
Morphine	11	Lamotrigine	3
Oxycodone	21	Loperamide	2
Phencyclidine	15	Mirtazapine	2
Phenobarbital	6	Mitragynine	4
Sertraline	10	Nordiazepam	1
Tramadol	21	Nortriptyline	1

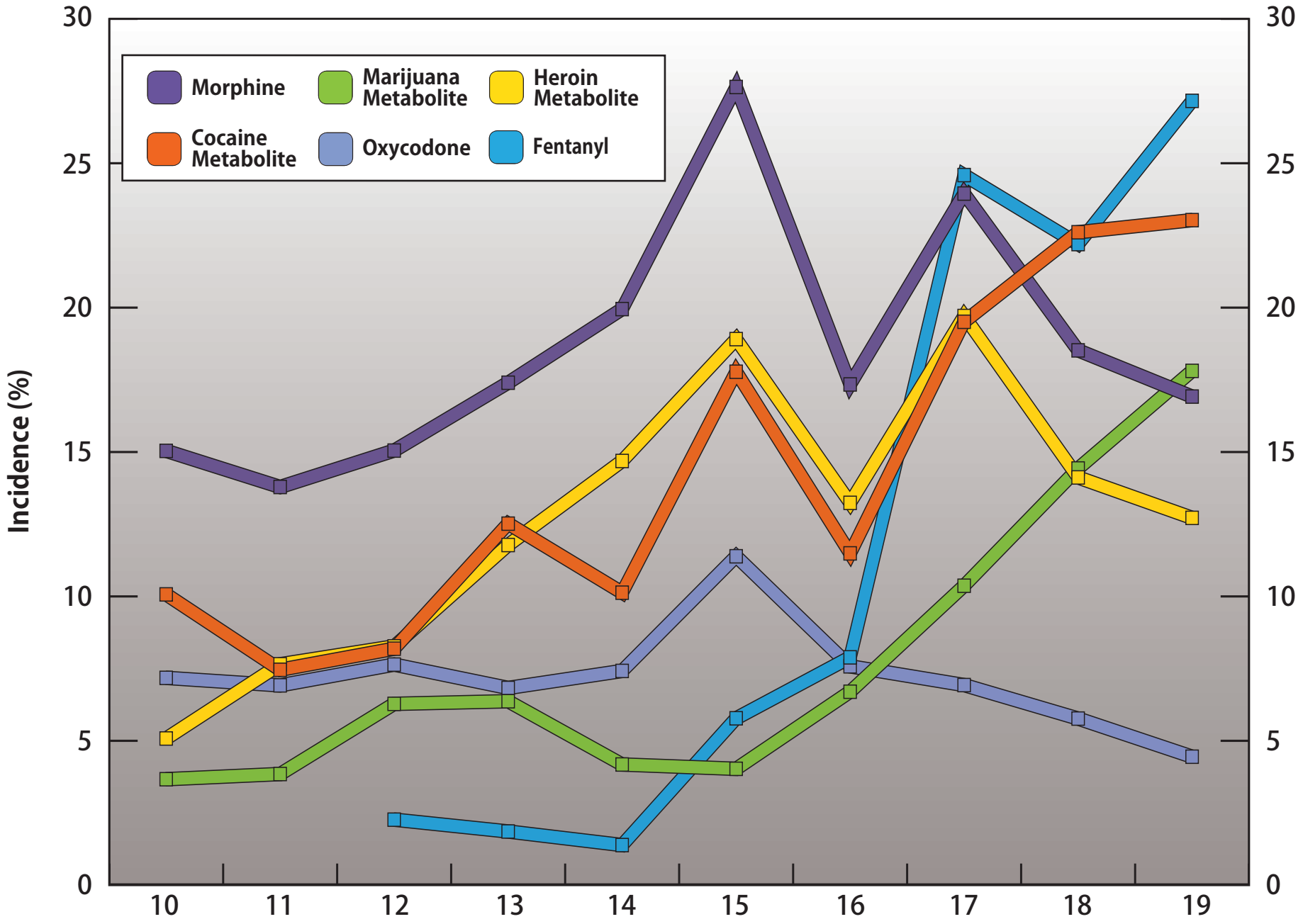
TABLE 79 INCIDENCE AND FREQUENCY OF POSITIVE FINDINGS* (continued)

	Cuyahoga County Medical Examiner's Laboratory Cases		
	Fatal Poisonings		
Compounds	Number Positive	Compounds with an incidence ≤ 5	Number Positive
Trazodone	21	o/m/p-Fluoroisobutyryl fentanyl	4
Venlafaxine	9	Olanzapine	2
		Paroxetine	1
		Phenytoin	1
		Pregabalin	4
		Quetiapine	4
		Temazepam	1
		Topiramate	2
		Valproic Acid	1
		Zolpidem	2

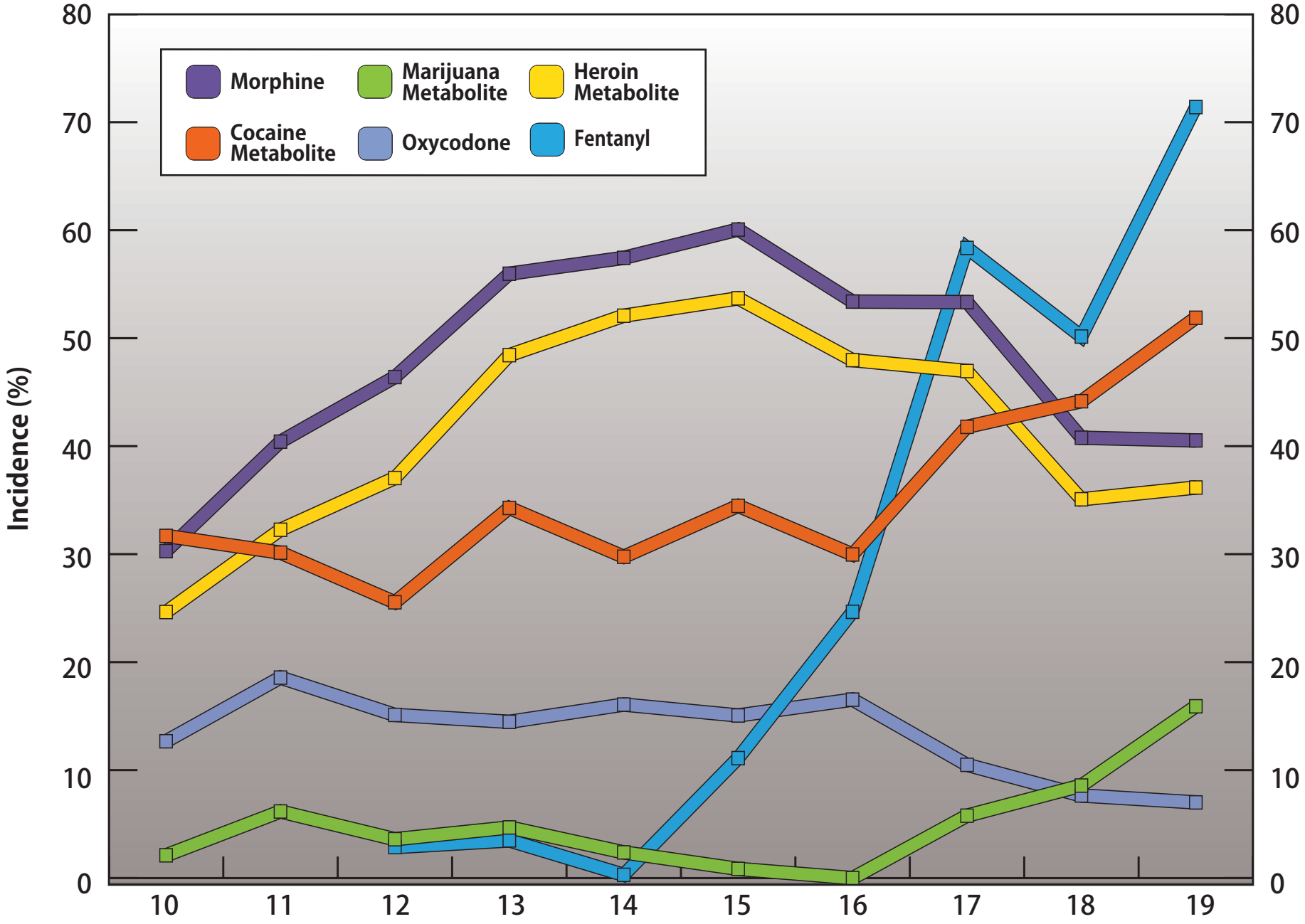
WEST SIDE MARKET, CLEVELAND

Photograph by G. Wilson

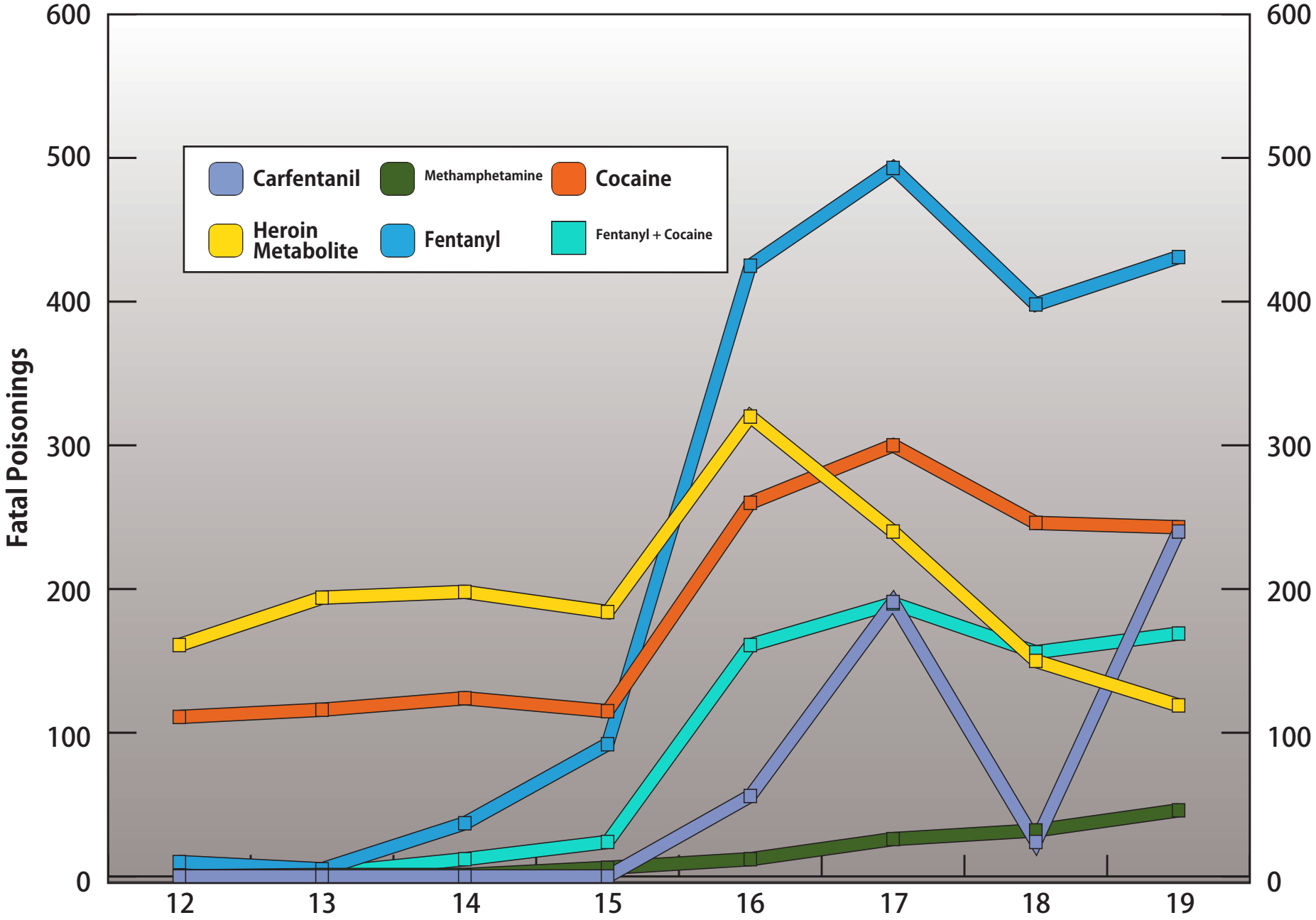
INCIDENCE OF POSITIVE FINDINGS FROM ALL CUYAHOGA COUNTY MEDICAL EXAMINER'S CASES



INCIDENCE OF POSITIVE FINDINGS FROM POISONING FATALITIES



MOST COMMON SUBSTANCES INVOLVED IN FATAL POISONINGS



PRINCE MURAL, OHIO CITY

Photograph by G. Wilson

AGENTS INCLUDED IN DRUG GROUPS

VOLATILES SCREENING AND CONFIRMATION by GC/FID: Ethanol, Methanol, Acetone, Isopropanol. **VOLATILES by GC/MS:** includes (but not limited to) Acetaldehyde, Acetone, Chloroform, Dichloromethane, Ethanol, Ethyl Acetate, Isopropanol, Methanol, Toluene

ACIDIC/NEUTRAL DRUGS by GC/MS and GC/FID: Butalbital, Caffeine, Carbamazepine, Carisoprodol, Ibuprofen, Levetiracetam, Meprobamate, Metaxalone, Pentobarbital, Phenobarbital, Phenytoin

CARBON MONOXIDE by CO-Oximetry: Carbon Monoxide (Carboxyhemoglobin)

GLYCOLS CONFIRMATION by GC/MS: Ethylene Glycol, Propylene Glycol

GABAPENTIN/PREGABALIN CONFIRMATION by LC-MS/MS: Gabapentin, Pregabalin

EMIT®SCREEN: Amines (Target = d-Amphetamine); **Benzodiazepines** (Target = Oxazepam); **Cocaine** (Target = Benzoylecgonine (cocaine metabolite)); **Cannabinoids** (Target = 11-nor-Δ-9-THC-COOH (marijuana metabolite)); **Opiates** (Target = Morphine); **Phencyclidine** (Target = Phencyclidine); **Fentanyl** (Target = Fentanyl)

ELISA (Enzyme-Linked ImmunoSorbent Assay) **SCREEN: Amphetamine** (Target = d-Amphetamine); **Barbiturates** (Target = Pentobarbital); **Benzodiazepines** (Target = Alprazolam); **Cannabinoids** (Target = 11-nor-Δ-9-THC-COOH (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)

BASIC DRUGS by GC/MS (screening and confirmation): includes common antidepressants, opioids/narcotic analgesics, CNS stimulants, antipsychotics, antiarrhythmics, dissociative anesthetics, antihistamines, hypnosedatives/anxiolytics, muscle relaxants, cathinones, and other agents

ACETAMINOPHEN and SALICYLATES SCREEN by Colorimetry (Qualitative): Acetaminophen, Salicylates

PHENCYCLIDINE (PCP) CONFIRMATION by GC/MS: Phencyclidine

CLINICAL CHEMISTRIES: Sodium, Potassium, Chloride, Glucose, Urea (as VUN), Creatinine, Magnesium, Calcium, Lactate

COCAINE AND METABOLITES CONFIRMATION by GC/MS: Benzoylecgonine, Cocaine, Cocaethylene

CANNABINOIDS CONFIRMATION by LC-MS/MS: Δ9-THC, 11-OH-Δ9-THC (marijuana metabolite), 11-nor-Δ9-THC-COOH (marijuana metabolite).

CANNABINOIDS CONFIRMATION by GC/MS: TOTAL11-nor-Δ9-THC-COOH (marijuana metabolite)

OPIOIDS CONFIRMATION by GC/MS: Morphine, 6-Acetylmorphine (heroin metabolite), Codeine, Hydrocodone, Dihydrocodeine, Hydromorphone, Oxycodone; Oxymorphone

BENZODIAZEPINES CONFIRMATION by LC-MS/MS: (±)-Zopiclone, 2-Hydroxyethylflurazepam, 3-Hydroxyflunitrazepam, 4-Hydroxyalprazolam, 7-Aminoclonazepam, 7-Aminoflunitrazepam, Alprazolam, Bromazolam, Clobazam, Clonazepam, Clonazolam, Delorazepam, Deschloroetizolam, Diazepam, Diclazepam, Estazolam, Etizolam, Flualprazolam, Flubromazepam, Flubromazolam, Flunitrazepam, Flunitrazolam, Flurazepam, Lorazepam, Lormetazepam, Meclonazepam, Methylclonazepam, Midazolam, N-Desalkylflurazepam, N-Desmethylclobazam, N-Desmethylflunitrazepam, Nitrazepam, Nitrazolam, Nordiazepam, Oxazepam, Phenazepam, Temazepam, Triazolam, Zaleplon, Zolpidem, α-Hydroxyalprazolam, α-Hydroxymidazolam and α-Hydroxytriazolam

AMINES CONFIRMATION by LC-MS/MS analysis: (±)-Amphetamine, beta-Phenethylamine, 3,4-Methylenedioxy-N-ethylamphetamine (MDEA), (±)-Methamphetamine, Methylenedioxyamphetamine (MDA), Methylenedioxymethamphetamine (MDMA), Phentermine, Ephedrine/Pseudoephedrine

FENTANYL and ANALOGUES CONFIRMATION by LC-MS/MS: N-Methyl norfentanyl, Norfentanyl, Norcarfentanil, Methoxyacetyl fentanyl, Acetyl fentanyl, Beta-hydroxy fentanyl, Benzyl fentanyl, 4-ANPP, p-Methoxyacetyl fentanyl, Acryl fentanyl, Alfentanil, Fentanyl, para-Fluoro acryl fentanyl, para-Fluoro fentanyl, Cyclopropyl fentanyl, 2-Furanyl fentanyl, Fentanyl carbamate, (±)-trans-3-Methylfentanyl, Crotonyl fentanyl, Carfentanil, (±)-cis-3-Methylfentanyl, Butyryl fentanyl, para-Fluoroisobutyryl fentanyl (FIBF), Sufentanil, Phenyl fentanyl, Cyclopentenyl fentanyl, para-Fluorofuranyl fentanyl, Valeryl fentanyl, Isobutyryl fentanyl, Isovaleryl fentanyl

SENT TO REFERENCE LABS: Synthetic Cannabinoids, Cathinones, Cyanide, GHB, LSD, Psilocin, Valproic Acid, heavy metals (Antimony, Arsenic, Lead, Barium, Cadmium, Bismuth, Mercury, Selenium), or any other compounds not listed above

ABBREVIATIONS: UNS = Specimen unsuitable for testing; QNS = Quantity insufficient for analysis; < = 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.

PROFICIENCY STUDIES

TABLE 80

Agency	Survey Type	Number of Surveys	Number of Samples	
			Blood	Urine
College of American Pathologists	Toxicology	3	12	3
College of American Pathologists	Blood Volatiles	3	15	0
College of American Pathologists	Forensic Toxicology	2	6	2
Total		8	33	5

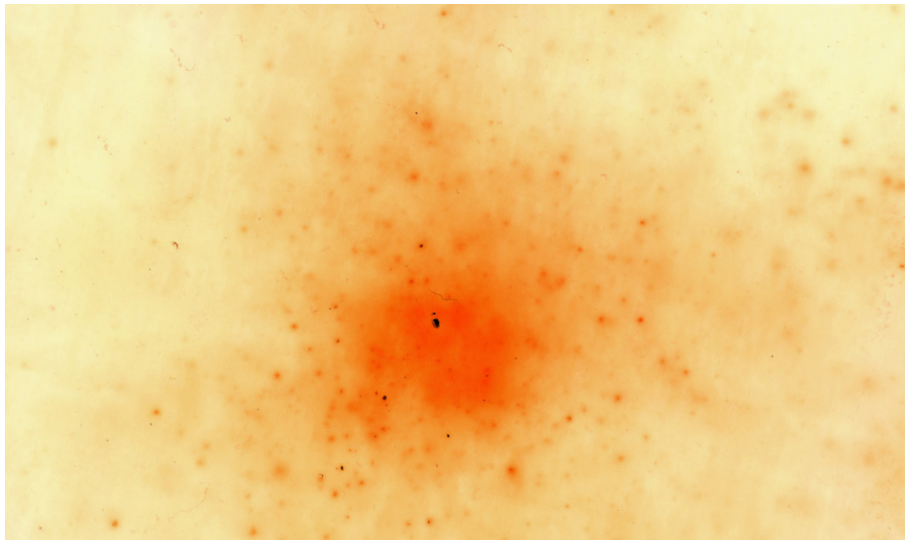
In 2019 the Cuyahoga County Medical Examiner's Office Toxicology Laboratory participated in X proficiency surveys.

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

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

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

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



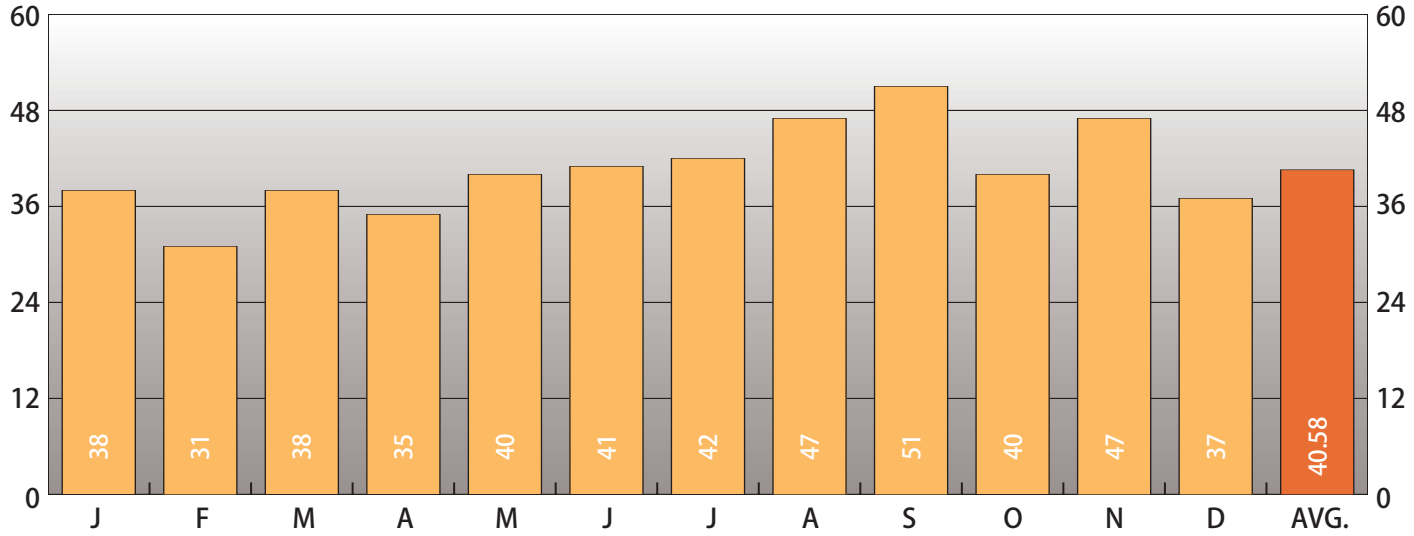
The Trace Evidence Unit is equipped with research grade stereo, compound, comparison, and polarized light microscopic equipment as well as cutting edge scientific instrumentation such as a Fourier Transform Infrared Spectrometer, a Raman Spectrometer, a UV/VIS/NIR Microspectrophotometer, a Scanning Electron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

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

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

2019 TRACE EVIDENCE UNIT REPORT

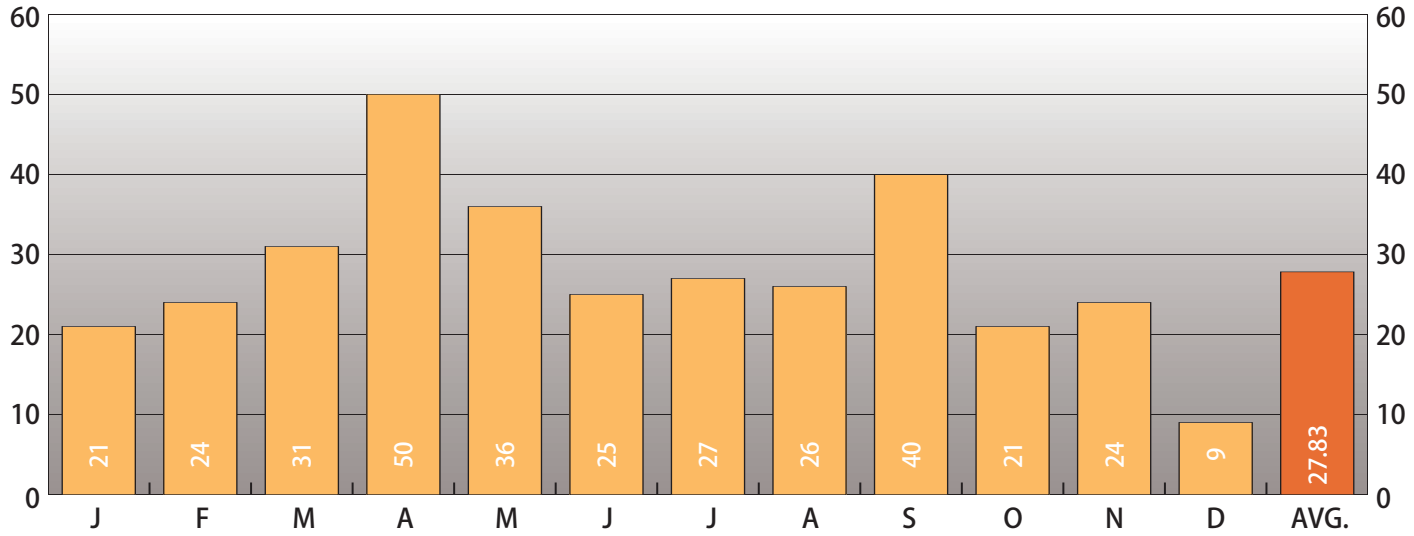
CASES SUBMITTED BY MONTH FOR THE YEAR 2019



2019
TOTAL CASES
487

2019 TRACE EVIDENCE UNIT REPORT

CASES COMPLETED BY MONTH FOR THE YEAR 2019



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.

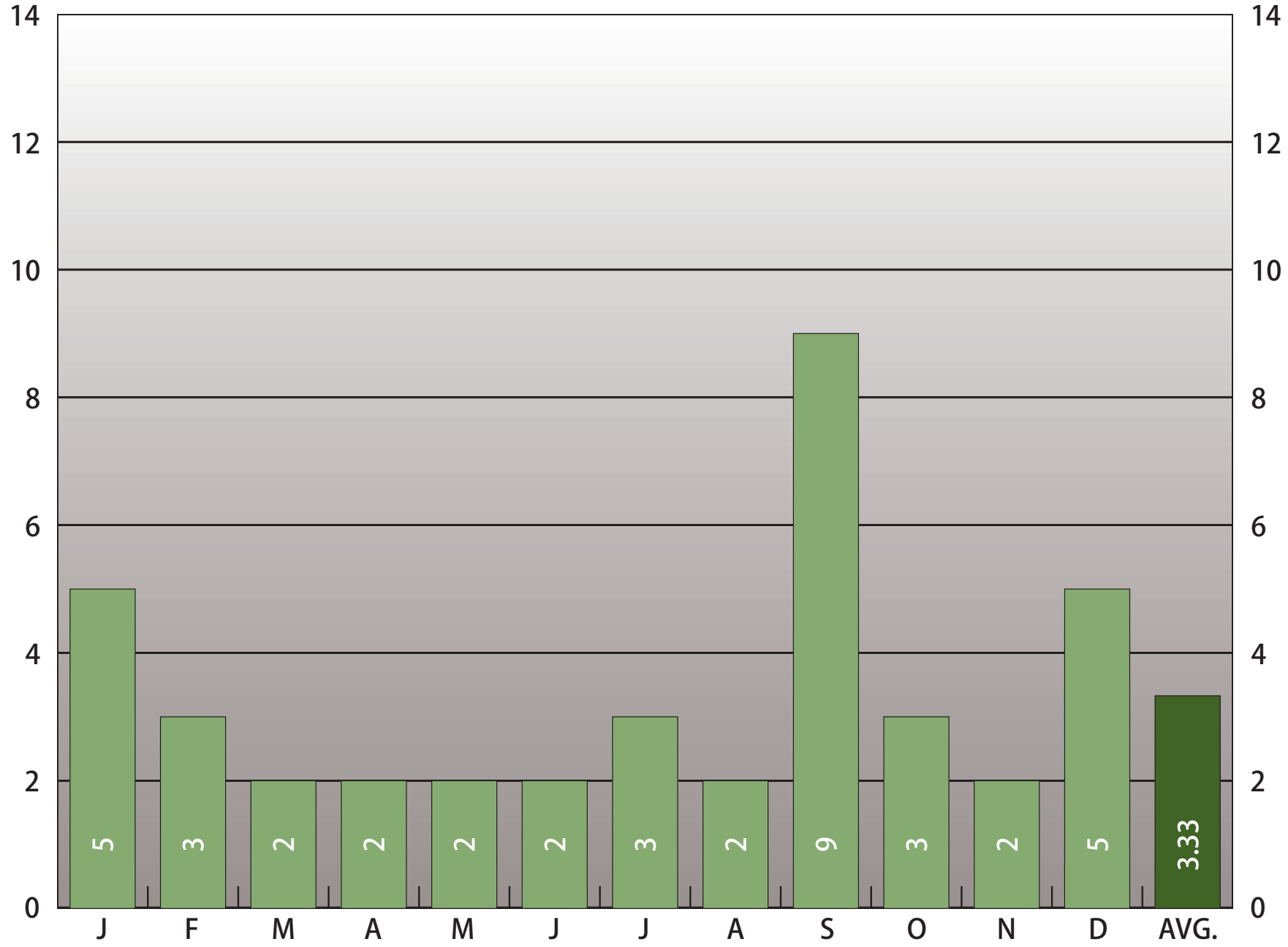
Lifebanc and the Cuyahoga County Medical Examiner's Office (CCMEO) have worked collaboratively for many years to create a "one of a kind" program not seen anywhere in the entire United States. Lifebanc has a full-time staff member housed at CCMEO to serve as a conduit of communication and information 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 TISSUE DONORS BY MONTH FOR THE YEAR 2019



Photograph by G. Wilson

SUSAN RECKL'S RETIREMENT CELEBRATION

Photograph by J. Bielinski

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

February: "The Medical Examiner's Role in Criminology". Cleveland State University, Cleveland, Ohio.

"Time of Death, Postmortem Changes and Natural Deaths". Pathology Resident Lecture Series, MetroHealth Medical Center Department of Pathology , Cleveland, Ohio.

"Scientific Evidence and Expert Testimony". Cleveland State University, Cleveland-Marshall College of Law, Cleveland, Ohio.

March: "The Opioid Crisis: What Parents Need to Know",.Community Substance Awareness Summit, Baldwin Wallace University, Berea, Ohio.

"Identification, Time of Death, Natural Deaths". Medicolegal Death Investigation Course (Basic 3-day), Cleveland, Ohio.

April: "Interesting Cases". Euclid Hospital Medical Examiner's Lecture Series, Cleveland, Ohio.

"Novel Psychoactive Substances". Midwest Association for Toxicology and Therapeutic Drug Monitoring Annual Meeting, Cleveland, Ohio.

May: "Forensic Pathology". The Undifferentiated Medical Student Podcast

"Opioid Crisis Update". Ohio State Coroners Association Annual Meeting, Columbus, Ohio.

June: "Identification, Time of Death, Natural Deaths". Medicolegal Death Investigation Course (Basic 3-day), Cleveland, Ohio.

"The Opioid Epidemic". Case Western Reserve University Physician Assistant Program, Cleveland, Ohio.

July: "Introduction to the Opioid Epidemic". Case Western Reserve University School of Medicine Class of 2023, Cleveland, Ohio.

"Identification in Forensic Medicine, The Medical Examiner's Role in Public Health, Case Studies in Forensic Pathology". 46th Annual New England Seminar in Forensic Sciences, Colby College, Waterville, Maine.

"Suicide Peak and the Opioid Crisis in Cuyahoga County, Ohio". 46th Annual New England Seminar in Forensic Sciences, Colby College, Waterville, Maine.

August: "A Medical Examiner's View of the Coroner System". Coroner Talk™ Podcast

September: "Identification, Time of Death, Natural Deaths". Medicolegal Death Investigation Course (Basic 3-day), Cleveland, Ohio.

"Introduction to Forensic Aspects of Epidemiology". Case Western Reserve University School of Public Health, Cleveland, Ohio.

"Interesting Cases". Euclid Hospital Medical Examiner's Lecture Series, Cleveland, Ohio.

October: "Challenges of Interpreting Death Certifications of Fatal Drug Overdoses Involving Novel Psychoactive Substances in the State Unintentional Drug Overdose Reporting System (SUDORS)". National Association of Medical Examiners Annual Meeting, Kansas City, Missouri.

November: "Identification, Time of Death, Natural Deaths". Medicolegal Death Investigation Course (Basic 3-day), Cleveland, Ohio.

"Emerging Trends in Drug Overdose Mortality, Cuyahoga County". Heroin Response Symposium, High Intensity Drug Trafficking Areas Third Annual Meeting, Cleveland, Ohio.

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

February: "Cause and Manner of Death and Death Certification with Postmortem Toxicology". Pathology Resident Lecture Series, MetroHealth Medical Center Department of Pathology , Cleveland, Ohio.

March: "Remembrances from the American Academy of Forensic Sciences Annual Scientific Meeting". Wednesday's Pathologists' Conference, Cleveland, Ohio.

"Water-Related Deaths-Applications in Forensic Pathology". Medicolegal Death Investigation Course (Basic 3-day), Cleveland, Ohio.

"Death Reporting and Death Certification-Applications for Medicolegal Death Investigation". Medicolegal Death Investigation Course (Basic 3-day), Cleveland, Ohio.

Demonstration Autopsy, Cuyahoga County Medical Examiner's Office.

April: "Water-Related Deaths-Applications in Forensic Pathology". Medicolegal Death Investigation Course (Basic 3-day), Cleveland, Ohio.

"Death Reporting and Death Certification-Applications for Medicolegal Death Investigation". Medicolegal Death Investigation Course (Basic 3-day), Cleveland, Ohio.

Demonstration Autopsy, Cuyahoga County Medical Examiner's Office.

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

June: "Cognitive Bias in Medicolegal Death Investigation and Modern Mistakes in How We Think About Forensic Pathology". Wednesday's Pathologists' Conference Journal Club, Cleveland, Ohio.

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

Demonstration Autopsy, Cuyahoga County Medical Examiner's Office.

November: "Water-Related Deaths-Applications in Forensic Pathology". Medicolegal Death Investigation Course (Basic 3-day), Cleveland, Ohio.

"Death Reporting and Death Certification-Applications for Medicolegal Death Investigation". Medicolegal Death Investigation Course (Basic 3-day), Cleveland, Ohio.

Demonstration Autopsy, Cuyahoga County Medical Examiner's Office.

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

January: "Male Genitourinary Disease". Ohio College of Podiatric Medicine, Independence, Ohio.

"Gastrointestinal Disease, Part I". Ohio College of Podiatric Medicine, Independence, Ohio.

"Gastrointestinal Disease, Part II". Ohio College of Podiatric Medicine, Independence, Ohio.

February: "Introduction to Forensic Pathology". Case Western Reserve Law School, Cleveland, Ohio.

"Blunt and Sharp Injuries". MetroHealth Medical Center Department of Pathology , Cleveland, Ohio

Joseph A. Felo, D.O., Deputy Medical Examiner (continued)

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

April: "Murder in Newton Falls". Euclid Hospital Medical Examiner's Lecture Series, Cleveland, Ohio.

Demonstration Autopsy, Cuyahoga County Medical Examiner's Office.

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

"The Opioid Crisis: The Cleveland Experience". University of Michigan Advances in Forensic Pathology, Ann Arbor, Michigan.

"Fatal Hemoperitoneum due to PEG Tube Placement". University of Michigan Advances in Forensic Pathology, Ann Arbor, Michigan.

"Investigation of Asphyxia Deaths". University of Michigan Advances in Forensic Pathology, Ann Arbor, Michigan.

"Toxicology of Suicides". University of Michigan Advances in Forensic Pathology, Ann Arbor, Michigan.

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

September: "Homicidal Ethylene Glycol Poisoning". Euclid Hospital Medical Examiner's Lecture Series, Cleveland, Ohio.

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

"Analysis of Substance Use in Suicides in Cuyahoga County". National Association of Medical Examiners Annual Meeting, Kansas City, Missouri.

November: "Application of Cytopathology Principles and Techniques in Forensic Medicine". American Society of Cytopathology, Washington D.C.

December: "Forensic Pathology as a Career". Mayfield High School, Mayfield, Ohio.

Elizabeth Mooney, D.O., Deputy Medical Examiner

February: Demonstration Autopsy, Cuyahoga County Medical Examiner's Office.
"Electrical and Thermal injuries". MetroHealth Medical Center Resident Lecture , Cleveland, Ohio.

March: "Blunt and Sharp Force Injuries and Asphyxia and Environmental Deaths". Medicolegal Death Investigation Course (Basic 3-day), Cleveland, Ohio.
Demonstration Autopsy, Cuyahoga County Medical Examiner's Office.

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

May: Demonstration Autopsy, Cuyahoga County Medical Examiner's Office.
"Forensic Pathology". Cuyahoga County Medical Examiner's Office Citizens Academy, Cleveland, Ohio.

Elizabeth Mooney, D.O., Deputy Medical Examiner (continued)

June: Demonstration Autopsy, Cuyahoga County Medical Examiner's Office. (2)

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

September: Demonstration Autopsy, Cuyahoga County Medical Examiner's Office.
"Blunt and Sharp Force Injuries and Asphyxia and Environmental Deaths". Medicolegal Death Investigation Course (Basic 3-day), Cleveland, Ohio.

October: Demonstration Autopsy, Cuyahoga County Medical Examiner's Office. (2)
"Forensic Pathology". Cuyahoga County Medical Examiner's Office Citizens Academy, Cleveland, Ohio.

November: "Blunt and Sharp Force Injuries and Asphyxia and Environmental Deaths". Medicolegal Death Investigation Course (Basic 3-day), Cleveland, Ohio.

Joseph Stopak, Manager of Investigation and Morgue Operations

February: "Imperial Avenue, Recovery of Human Remains". Kent State University, Kent, Ohio.

March: Medicolegal Death Investigation Course (Basic 3-day), Cleveland, Ohio.

April: Medicolegal Death Investigation Course (Basic 3-day), Cleveland, Ohio.

"Introduction/Overview of the Specific Scene Type Intoxication/Overdose". OSCA/ODH Death Investigation Training Program, Bowling Green, Ohio.

May: "Introduction/Overview of the Specific Scene Type Intoxication/Overdose". OSCA/ODH Death Investigation Training Program, Columbus, Ohio.

June: Medicolegal Death Investigation Course (Advanced 5-day), Cleveland, Ohio.

"Introduction/Overview of the Specific Scene Type Intoxication/Overdose". OSCA/ODH Death Investigation Training Program, Athens, Ohio.

July: "Imperial Avenue, Recovery of Human Remains". Lifebanc, Cleveland, Ohio.

"Introduction/Overview of the Specific Scene Type Intoxication/Overdose". OSCA/ODH Death Investigation Training Program, Dayton, Ohio.

September: Medicolegal Death Investigation Course (Basic 3-day), Cleveland, Ohio.

October: "Imperial Avenue, Recovery of Human Remains". University Hospitals, S.A.N.E. Conference, Cleveland, Ohio.

"Indigent Disposition in Ohio and Probate Cases". OSCA Northeast Regional Meeting, Cleveland, Ohio.

November: Medicolegal Death Investigation Course (Basic 3-day), Cleveland, Ohio.

Mike Schaedler, Medicolegal Death Investigator II

May: "Sudden Unexpected Infant Death Investigation". Ohio State Coroners Association Annual Meeting, Columbus, Ohio.

Luigino Apollonio PhD, Chief Toxicologist

March: "Toxicology Rounds". Cuyahoga County Medical Examiner's Office Lecture Series, Cleveland, Ohio.

April: "Forensic Toxicology". Ohio State Coroners Association Northeast Regional Meeting, Bowling Green, Ohio.

May: "Toxicology Rounds". Cuyahoga County Medical Examiner's Office Lecture Series, Cleveland, Ohio.

June: "Forensic Toxicology at the CCMEO". Cuyahoga County Medical Examiner's Office Citizens Academy, Cleveland, Ohio.
"Forensic Toxicology". Medicolegal Death Investigation Course (Advanced 5-day), Cleveland, Ohio.
"Forensic Toxicology". Ohio State Coroners Association Southeast Regional Meeting, Athens, Ohio.

July: "Forensic Toxicology". Ohio State Coroners Association Southwest Regional Meeting, Dayton, Ohio.

October: "Toxicology Rounds". Cuyahoga County Medical Examiner's Office Lecture Series, Cleveland, Ohio.
"Forensic Toxicology at the CCMEO". Cuyahoga County Medical Examiner's Office Citizens Academy, Cleveland, Ohio.

November: "Toxicology Rounds". Cuyahoga County Medical Examiner's Office Lecture Series, Cleveland, Ohio.

Dr. Nasir Butt, Forensic DNA Lab DNA Tech & Training Supervisor

February: "Use of a Database Feature in the TrueAllele® Casework System to Cross Compare DNA Cases". 71st Annual Scientific Meeting of American Academy of Forensic Sciences, Baltimore, Maryland.

Lisa Moore, Forensic DNA Analyst, Trace Evidence and DNA

September: "Evaluation of PowerQuant® System Degradation Standard Curve and its Accuracy". Association of Firearm and Tool Mark Examiners 50th Annual Conference, Nashville, Tennessee.

Dawn Schilens, Fingerprints Lab Supervisor

August: "Starting from Scratch: Setting up a New Latent Print Laboratory in an already Accredited Laboratory". International Association for Identification Conference, Reno, Las Vegas.

Manreet Bhullar, Forensic Epidemiologist

March: "Forensic Epidemiology". Workforce Session for Undergraduate Public Health Students, Case Western Reserve University, Cleveland, Ohio.

April: "The Evolving Nature and Emerging Trends within the Opioid Epidemic in Cuyahoga County in 2017". Association for Prevention Teaching and Research Conference, Cleveland, Ohio.

July: "CCMEO Overdose Death Investigation Mode". Heroin Opiate Task Force Data Subcommittee Meeting, Cleveland, Ohio.

October: "Opioid Projects in Cuyahoga County". Violence and Prevention SASS 500 at Jack, Joseph and Morton Mandel School of Applied Social Sciences, Case Western Reserve University, Cleveland, Ohio.

November: "Emerging Trends within the Opioid Epidemic: A Retrospective Analysis". American Public Health Association Conference, Philadelphia, Pennsylvania

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Paul Wheaton, Pathology Assistant Supervisor

June: "Autopsy Introduction". Cuyahoga County Medical Examiner's Office Citizens Academy, Cleveland, Ohio.

October: "Autopsy Introduction". Cuyahoga County Medical Examiner's Office Citizens Academy, Cleveland, Ohio.

Shaena Taylor, Forensic Scientist III, Quality Assurance Officer, Drug Chemistry

April: "New Fentalogue and Psychoactive Substance (NPS) Trends in Drug Chemistry seizures in Northeast Ohio (Cleveland)". 2 Midwestern Association for Toxicology and Therapeutic Drug Monitoring (MATT) 2019 Annual Meeting, Cleveland, Ohio.

Bauer DW, **Butt NA**, Hornyak JM, Perlin MW, (2019): "Validating TrueAllele® Interpretation of DNA Mixtures Containing up to Ten Unknown Contributors." Journal of Forensic Sciences , October 2019.

Sofalvi, S., Lavins, E.S., Brooker, I.T., Kaspar, C.K., Kucmanic, J., Mazzola, C.D., Mitchell-Mata, C.L., Clyde, C.L., Rico, R.N., Apollonio, L.G., Goggin, C., Marshall, B., Moore, D., **Gilson, T.P.** (2019): "Unique Structural/Stereo-Isomer and Isobar Analysis of Novel Fentanyl Analogues in Postmortem and DUID Whole Blood by UHPLC–MS-MS." Journal of Analytical Toxicology, Volume 43, Issue 9, November 2019 (SOFT Special Issue Part 2) Pages 673–687.

- 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 2019 Medical Examiner's Statistical Report has been prepared, collectively by:

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

Medical Examiner's Office Collage

The cover images represent a sample of the different departments within the Cuyahoga County Medical Examiner's Office. In 2019, the office employed over 100 pubilc servants, including forensic pathologists, scientists, investigators, technicians, and more.

The Cuyahoga County Medical Examiner's Office aspires to the highest standards of our profession, and is the one of the most accreditted medical examiner's offices in the country.