2021

MEDICAL EXAMINER'S STATISTICAL REPORT

2021

Cuyahoga County Medical Examiner's Statistical Report

Armond Budish, Cuyahoga County Executive

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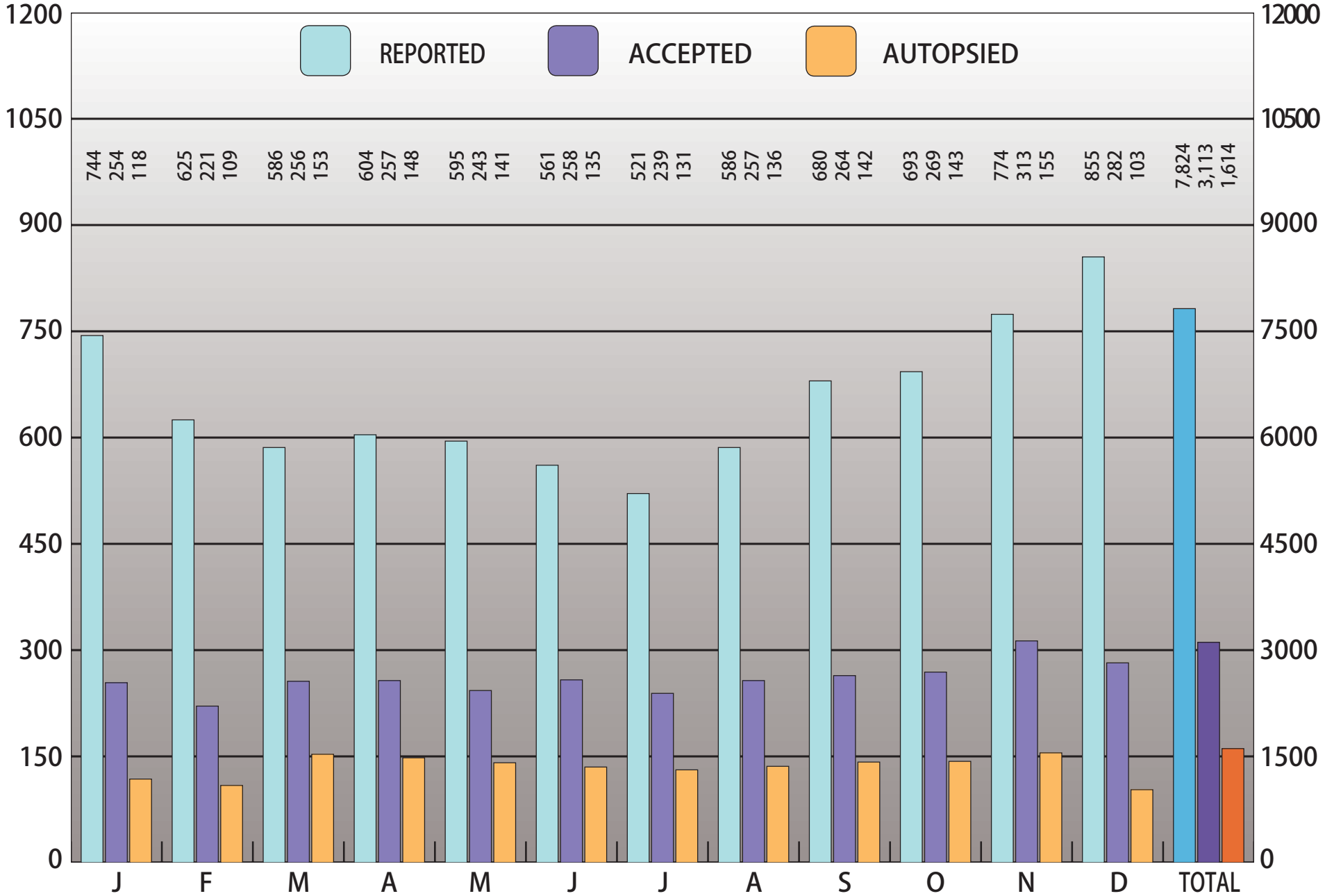
2021 NUMBER OF MEDICAL EXAMINER'S CASES



NUMBER OF CASES

2021 TABLE OF CONTENTS

TABLE — PAGE

TABLE — PAGE

TABLE OF CONTENTS

2021 TABLE OF CONTENTS (continued)

TABLE PAGE

Thomas P. Gilson, M.D.
Medical Examiner

This eighty-third 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 to excellence and accountability to our community. The mission of the Medical Examiner's Office and Laboratory remain the provision of the highest quality professional services to the residents of Cuyahoga County. The report that follows documents our efforts as an agency to achieve this goal.

The year 2021 saw the continuation of the coronavirus/COVID-19 pandemic. A change in national leadership was accompanied by a turbulent transition of power. Behind the scenes the opioid epidemic and the dramatic rise in violent crime, including homicide, made for additional challenges for death investigation systems, which were already facing significant personnel shortages.

Closer to home, the escalation in homicide deaths was a terrible ongoing trend. Although there were some tragic deaths involving children, the silent epidemic of gun violence was main driver of the rise. Accidental deaths involving drugs and motor vehicles also trended upward in 2021. The information and tables in this report bear witness to these dark trends but it is our hope at CCMEO/CCRFSL that they can shine a light by which Cuyahoga County can walk forward as a community to solve these pressing problems.

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. Records are public and the availability of these records for inspection and copying is defined in **Section 313.10**.

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.

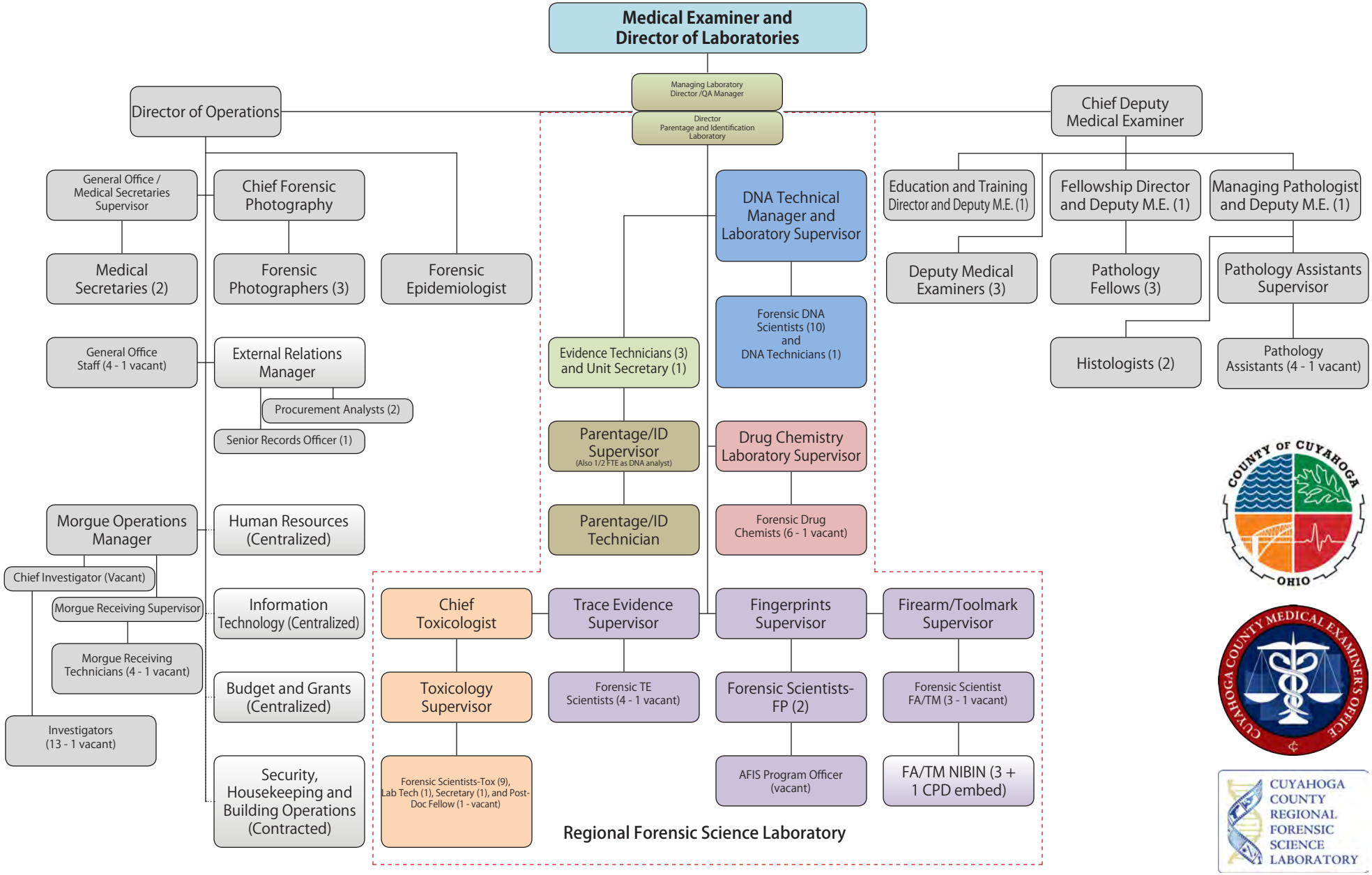
The Revised Code of the State of Ohio also outlines the role the Medical Examiner has with regard to taking charge of a dead body (**§ 313.13**), the responsibility for notifying known relatives of the decedent (**§ 313.14**), and securely storing their possessions. When firearms are included in the 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 2021 CUYAHOGA COUNTY MEDICAL EXAMINER'S OFFICE ORGANIZATIONAL CHART



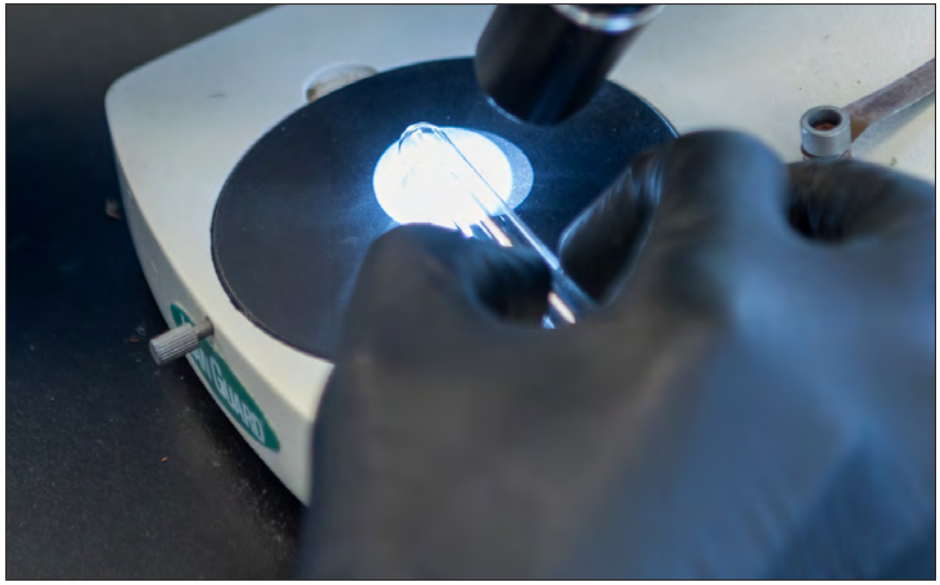
EPIDEMIC AND PANDEMIC CONVERGENCE CONTINUES

The trend for the opioid crisis was sharply up as the lockdowns were lifted from 2020 and our borders with Mexico and Canada were largely re-opened. Fatalities due to heroin, prescription opioids and carfentanil were all well below average. However, Cuyahoga County experienced a large loss of life once again, largely due to fentanyl, cocaine and fentanyl/cocaine mixture overdoses, recording 675 deaths, the 2nd highest total on record only to 2017.

Increases were seen again in methamphetamine and gabapentin but usually in combination with fentanyl and other drugs. By themselves, neither of these substances were involved in deaths in a statistically significant way.

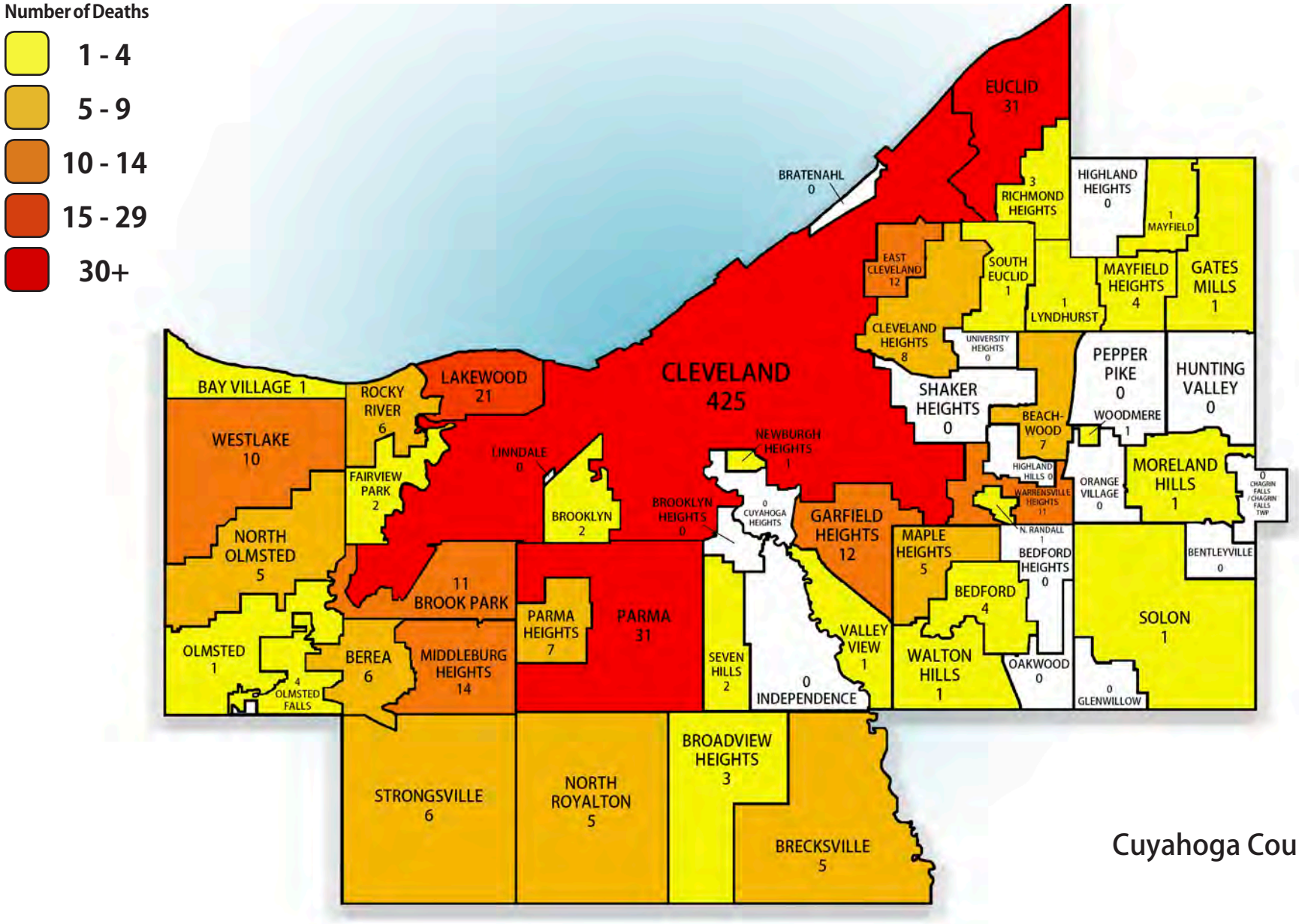
Navigating the substance abuse process during COVID continued to be a difficult problem.

Working with the Boards of Health for Cuyahoga and Cleveland, CCMEO continued to utilize its enhanced and adapted flu surveillance model to include COVID19. This provided timely data to public health officials and provided additional leads for contact tracing in the community. Further, CCMEO continuously worked with local and State Emergency Management Agencies to plan and deploy mobile refrigerated trucks and trailers during spikes in COVID activity throughout 2021.



As the pandemic wore on across the Country and here in Cuyahoga County, summer brought another respite to the disease but saw year-long sustained gun related violence, especially homicides. The number of gun related homicides reached 85% of total homicides again. Cuyahoga County exceeded 250 homicides for the second year in a row and Cuyahoga County also totaled more than 300 gun-related deaths again in 2021.

2021 TOTAL OVERDOSE DEATHS - LOCATION OF INCIDENT BY CITY*

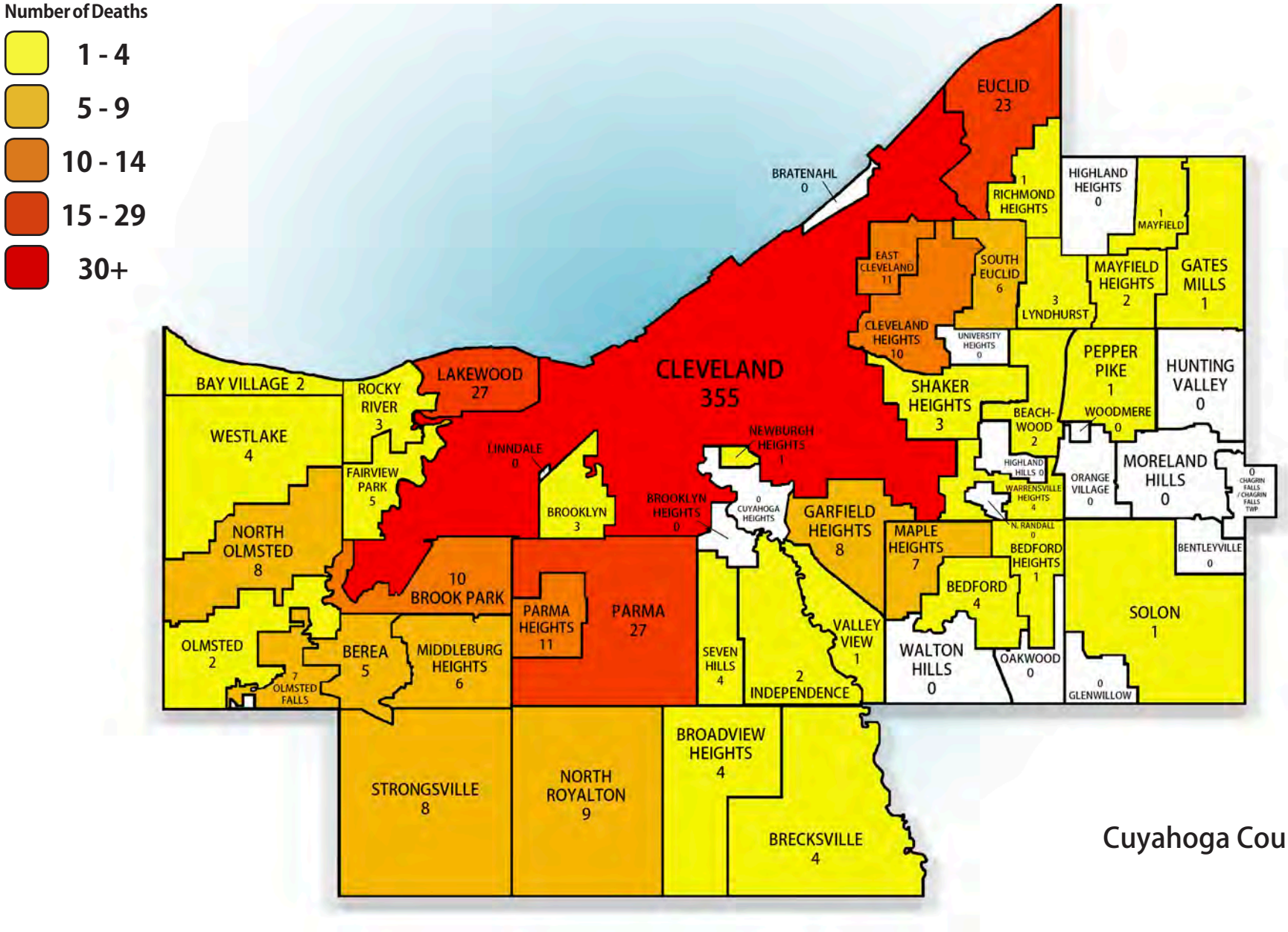


Cuyahoga County, Ohio

2021 TOTAL OVERDOSE DEATHS - LOCATION OF INCIDENT BY CITY* (continued)

Cities			
Cleveland	425	Maple Heights	5
Bay Village	1	Mayfield Heights	4
Beachwood	7	Middleburg Heights	14
Bedford	4	North Olmsted	5
Bedford Heights	0	North Royalton	5
Berea	6	Olmsted Falls	4
Brecksville	5	Parma	31
Broadview Heights	3	Parma Heights	7
Brooklyn	2	Pepper Pike	0
Brook Park	11	Richmond Heights	3
Cleveland Heights	8	Rocky River	6
East Cleveland	12	Seven Hills	2
Euclid	31	Shaker Heights	0
Fairview Park	2	Solon	1
Garfield Heights	12	South Euclid	1
Highland Heights	0	Strongsville	6
Independence	0	University Heights	0
Lakewood	21	Warrensville Heights	11
Lyndhurst	1	Westlake	10
Villages			
Bentleyville	0	Mayfield Village	1
Bratenahl	0	Moreland Hills	1
Brooklyn Heights	0	Newburgh Heights	1
Cuyahoga Heights	0	North Randall	1
Gates Mills	1	Oakwood Village	0
Glenwillow	0	Orange Village	0
Highland Hills	0	Valley View	1
Hunting Valley	0	Walton Hills	1
Linndale	0	Woodmere	1
Townships			
Chagrin Falls/Chargin Falls Twp	0	Olmsted Township	1

2021 TOTAL OVERDOSE DEATHS - RESIDENCE ADDRESS BY CITY*

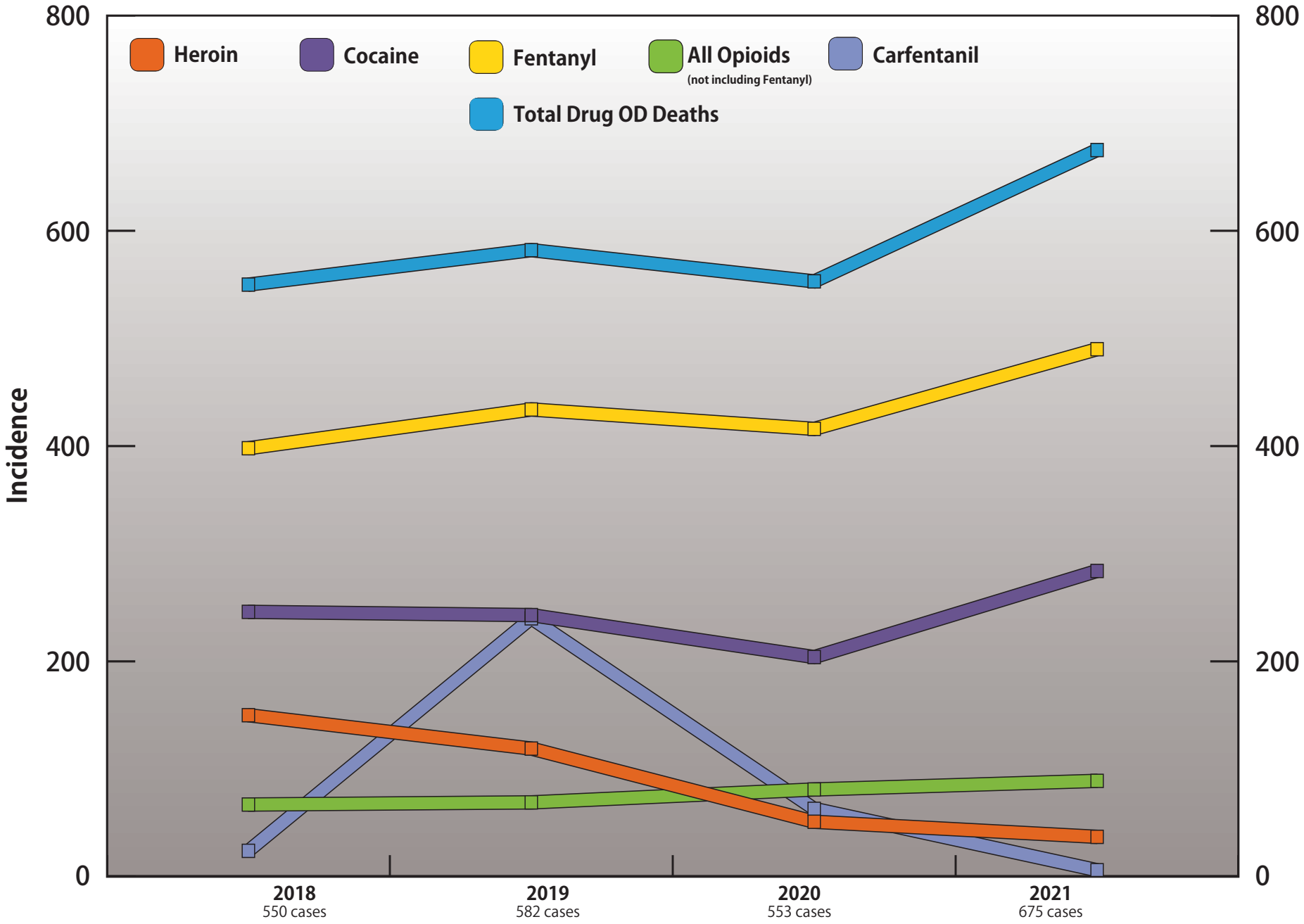


Cuyahoga County, Ohio

2021 TOTAL OVERDOSE DEATHS - RESIDENCE ADDRESS BY CITY* (continued)

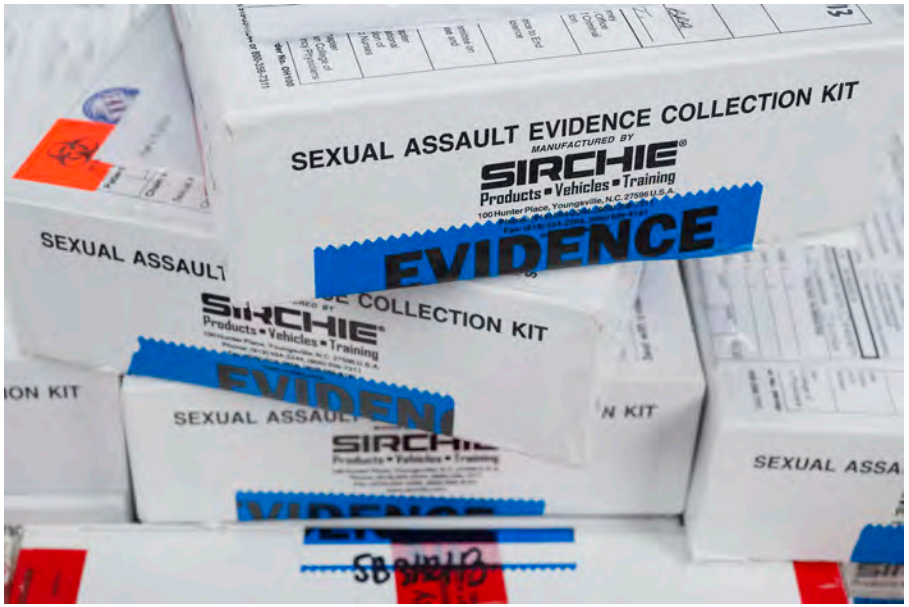
Cities			
Cleveland	355	Maple Heights	7
Bay Village	2	Mayfield Heights	2
Beachwood	2	Middleburg Heights	6
Bedford	4	North Olmsted	8
Bedford Heights	1	North Royalton	9
Berea	5	Olmsted Falls	7
Brecksville	4	Parma	27
Broadview Heights	4	Parma Heights	11
Brooklyn	3	Pepper Pike	1
Brook Park	10	Richmond Heights	1
Cleveland Heights	10	Rocky River	3
East Cleveland	11	Seven Hills	4
Euclid	23	Shaker Heights	3
Fairview Park	5	Solon	1
Garfield Heights	8	South Euclid	6
Highland Heights	0	Strongsville	8
Independence	2	University Heights	0
Lakewood	27	Warrensville Heights	4
Lyndhurst	3	Westlake	4
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	1	Oakwood Village	0
Glenwillow	0	Orange Village	0
Highland Hills	0	Valley View	1
Hunting Valley	0	Walton Hills	0
Linndale	0	Woodmere	0
Townships			
Chagrin Falls/Chargin Falls Twp	0	Olmsted Township	2

2018 - 2021 COMPARISON OF MOST COMMON OVERDOSE DRUGS



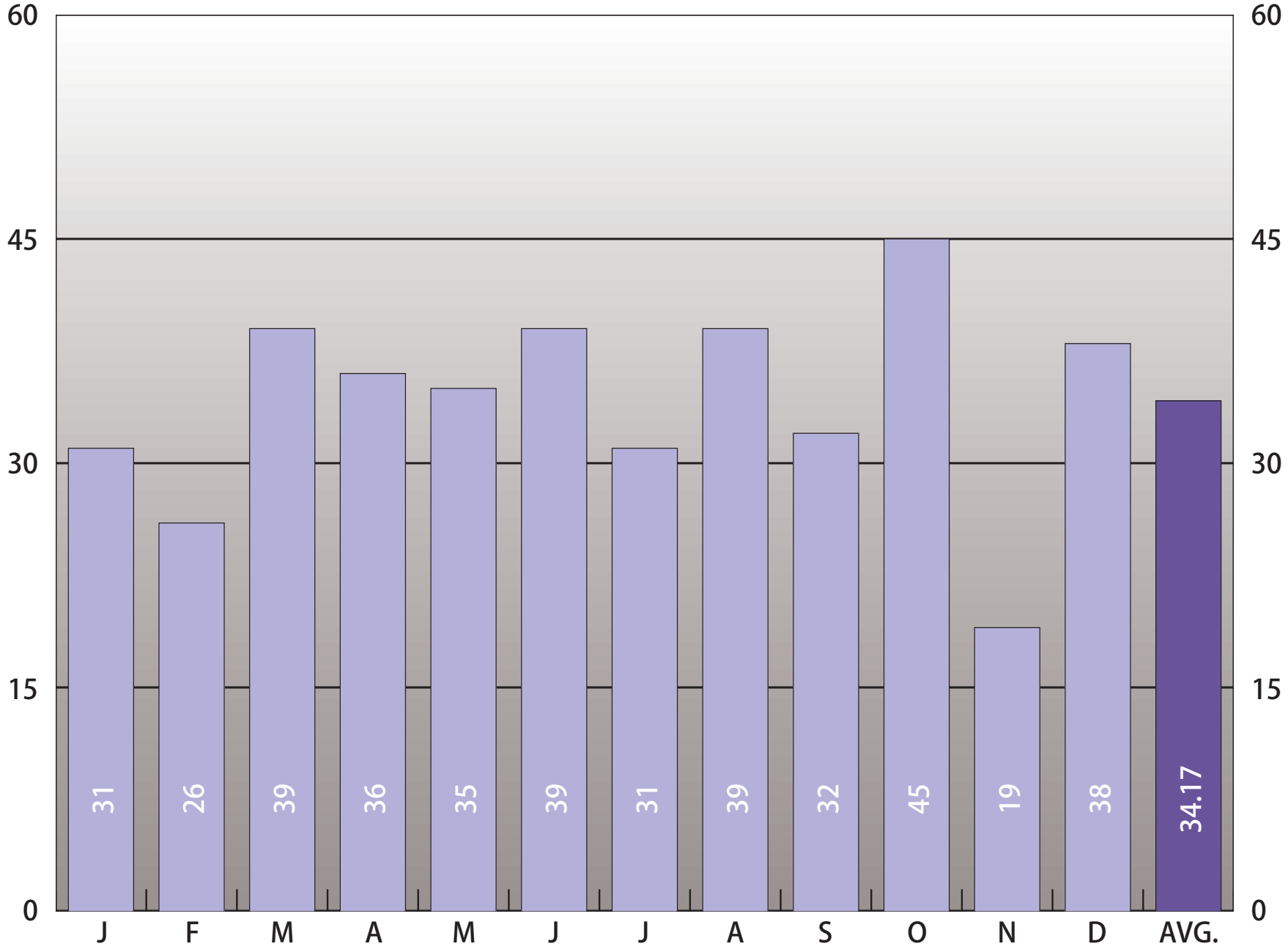
CUYAHOGA COUNTY SEXUAL ASSAULT POLICY

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.

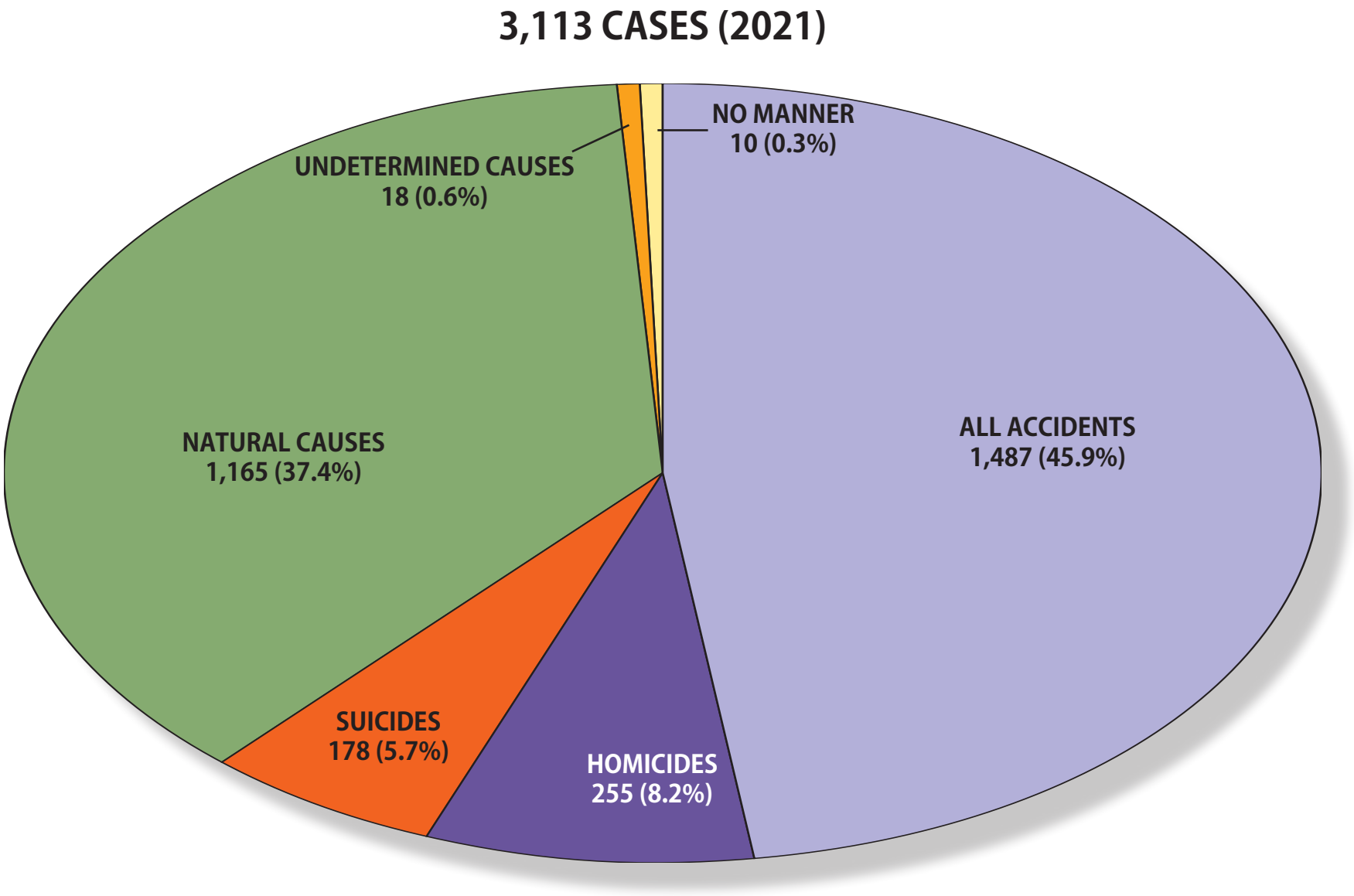


Since May 2012, nearly 2400 kits have been submitted for testing, essentially doubling the current DNA caseload of the lab. This important work continued in 2017, with overall average case completion time in 2017 of 50 days. . This testing is conducted at **NO COST** to submitting agencies or communities 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.

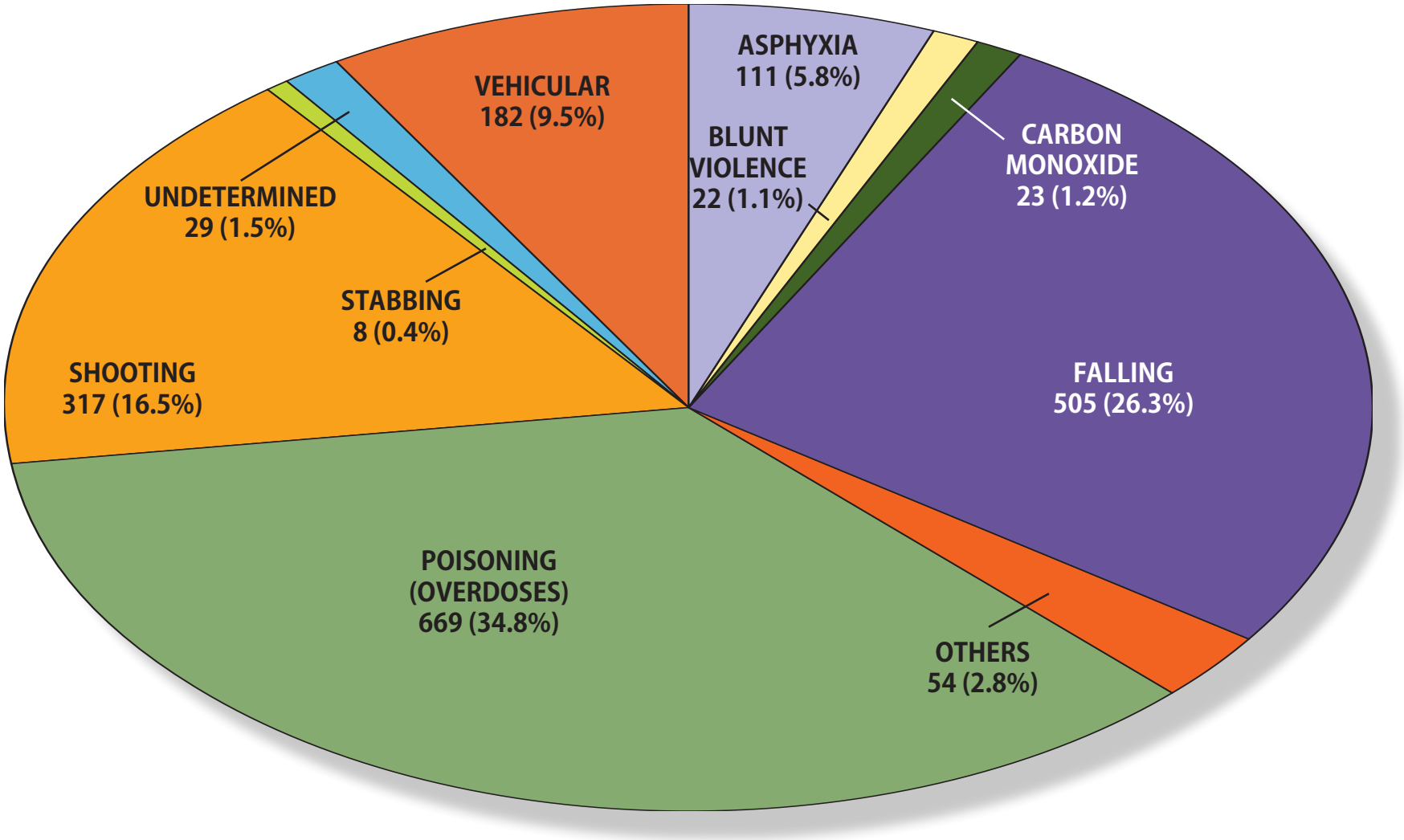
RAPE KITS RECEIVED BY MONTH FOR THE YEAR 2021



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

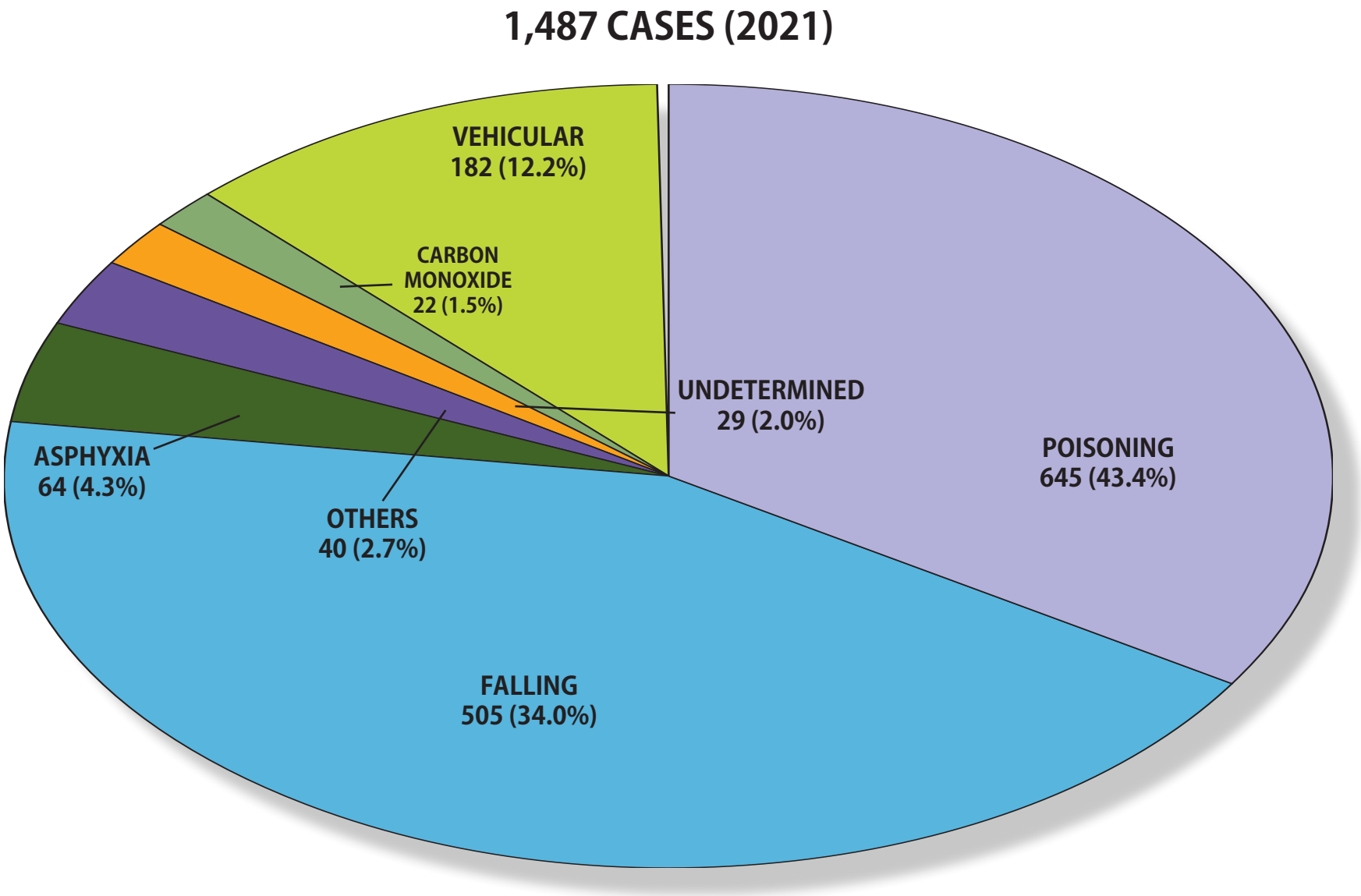


1,920* CASES (2021)

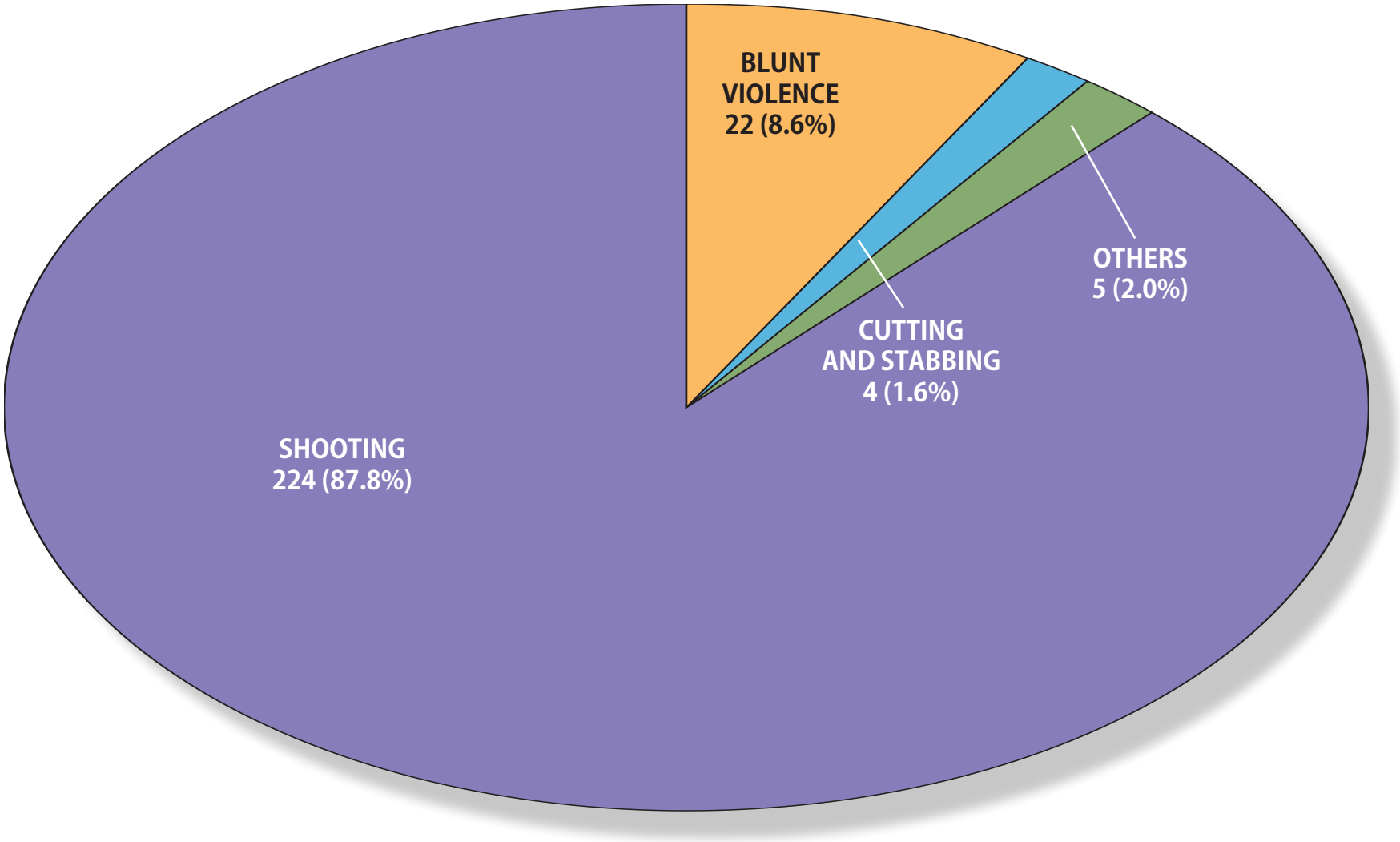


* Cases without a manner of death are excluded

MODE OF OCCURRENCE 2021



255 CASES (2021)



MODE OF OCCURRENCE 2021

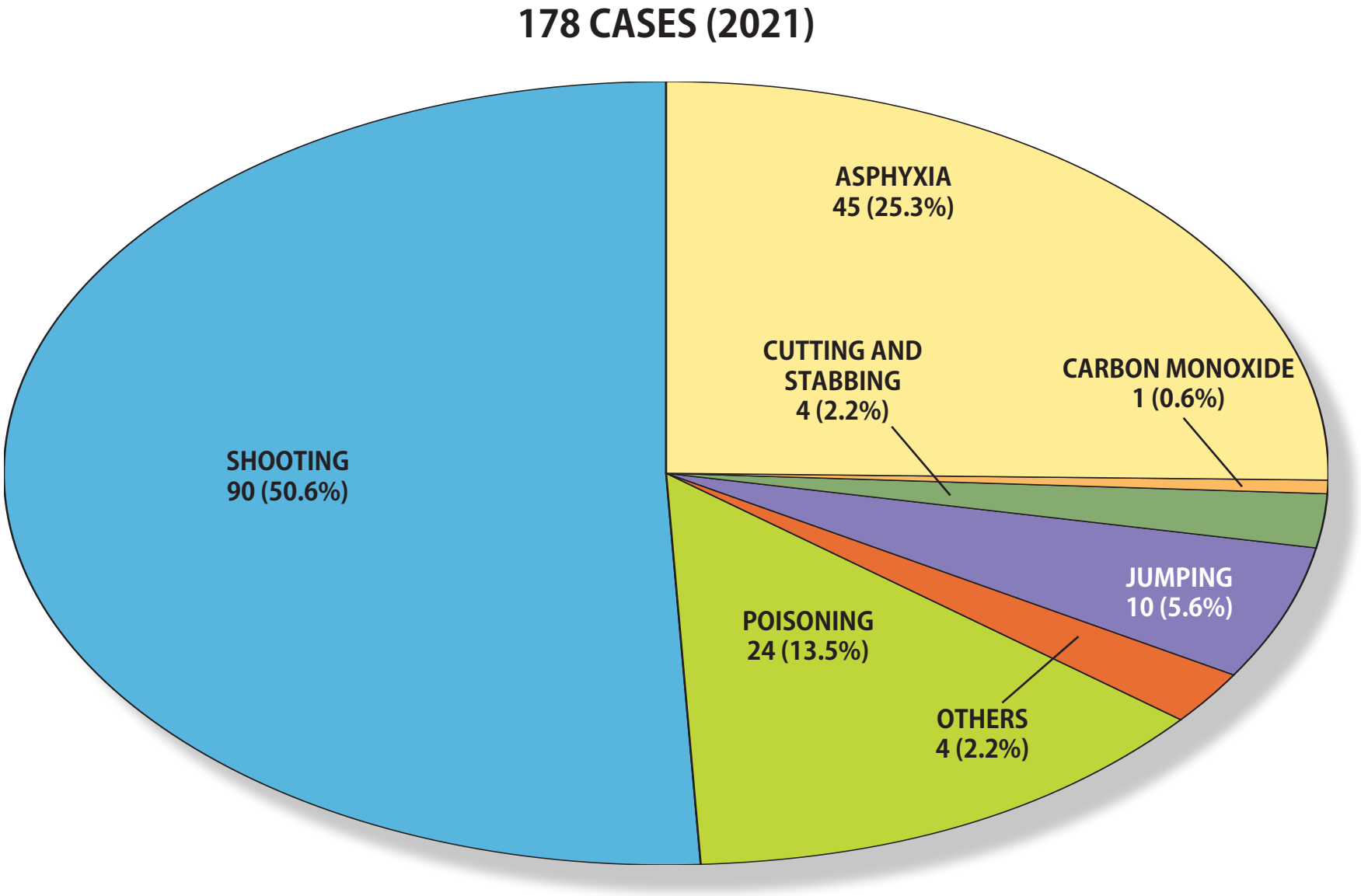


TABLE A TYPES OF FATALITIES AND MISCELLANEOUS INFORMATION - 2020 AND 2021

	2020	2021
Accidents in the Home	830	927
Accidents While at Work	8	15
Vehicular Accidents	156	182
Accidents in Other Places	416	363
Homicides	252	255
Suicides	182	178
Natural Causes	1,192	1,165
Undetermined Causes	25	18
No Manner Issued	8	10
Cases Reported - Admitted	3,069	3,113
Cases Reported - Not Admitted	5,011	4,711
Autopsies (Hospitals Included)	1,560*	1,614**
Autopsies Performed for Other Counties	443	572
Unidentified Bodies	0	0
Unclaimed Bodies	94	100
Donated Bodies	4	3
Exhumations	0	0
Scene Investigations	1,414	1,453
Bodies Transported By/By Order of	2,448	2,526
Bodies Transported to Office	2,954	3,172
Deaths in Cuyahoga County	16164	15,953
Percentage of Deaths Admitted	18.99%	19.51%

***Includes 8 autopsies performed at hospitals**
****Includes 12 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	927	551	376	686	236	4	1	40	489	15.71%
Accidents While at Work	15	15	0	10	5	0	0	1	7	0.22%
Vehicular Accidents	182	135	47	104	76	3	0	10	109	3.50%
Accidents in Other Places	363	212	151	286	75	1	1	10	130	4.18%
Homicides	255	204	51	33	219	3	0	11	254	8.16%
Suicides	178	137	41	128	43	7	0	9	155	4.98%
Natural Causes	1,165	780	385	715	440	9	1	22	444	14.26%
Undetermined Causes	18	15	3	4	13	0	0	0	17	0.55%
No Manner Issued	10	7	3	6	4	0	0	0	9	0.29%
Total	3,113	2,056	1,057	1,972	1,111	27	3	103	1,614	51.85%

* Includes 12 autopsies performed at hospitals.

TABLE C TYPES OF FATALITIES - 2020 AND 2021 INCIDENCE COMPARED

	Percentage of Total Cases Admitted	
	2020	2021
Accidents in the Home	27.0%	29.8%
Accidents While at Work	0.3%	0.5%
Vehicular Accidents	5.1%	5.8%
Accidents in Other Places	13.6%	11.7%
Homicides	8.2%	8.2%
Suicides	5.9%	5.7%
Natural Causes	**38.8%**	**37.4%**
Undetermined Causes	0.8%	0.6%
No Manner Issued	0.3%	0.3%

	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	927	363	39.16%	137	37.74%
Accidents While at Work	15	8	53.33%	2	25.00%
Vehicular Accidents	182	76	41.76%	34	44.74%
Accidents in Other Places	363	125	34.44%	37	29.60%
Homicides	255	134	52.55%	48	35.82%
Suicides	178	75	42.13%	22	29.33%
Natural Causes	**1,165**	**527**	**45.24%**	**252**	**47.82%**
Undetermined Causes	18	7	38.89%	4	57.14%
No Manner Issued	10	5	50.00%	2	40.00%
Total Cases	**3,113**	**1,320**	**42.40%**	**538**	**40.76%**

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	782	471	60.23%	73	9.45%	175	22.35%	63	8.05%
Bay Village	9	8	88.89%	0	0.00%	0	0.00%	1	11.11%
Beachwood	19	15	78.95%	2	10.53%	1	5.26%	1	5.26%
Bedford	14	9	64.29%	2	14.29%	1	7.14%	2	14.29%
Bedford Heights	8	4	50.00%	0	0.00%	2	25.00%	2	25.00%
Berea	23	17	73.91%	2	8.70%	0	0.00%	4	17.39%
Brecksville	12	11	91.67%	0	0.00%	0	0.00%	1	8.33%
Broadview Heights	20	13	65.00%	3	15.00%	1	5.00%	3	15.00%
Brooklyn	12	9	75.00%	1	8.33%	1	8.33%	1	8.33%
Brook Park	28	24	85.71%	1	3.57%	0	0.00%	3	10.71%
Cleveland Heights	32	17	53.13%	4	12.50%	5	15.63%	6	18.75%
East Cleveland	36	13	36.11%	5	13.89%	15	41.67%	3	8.33%
Euclid	60	42	70.00%	4	6.67%	6	10.00%	8	13.33%
Fairview Park	9	7	77.78%	0	0.00%	0	0.00%	2	22.22%
Garfield Heights	35	21	60.00%	3	8.57%	9	25.71%	2	5.71%
Highland Heights	5	5	100.00%	0	0.00%	0	0.00%	0	0.00%
Independence	13	7	53.85%	5	38.46%	0	0.00%	1	7.69%
Lakewood	49	38	77.55%	6	12.24%	1	2.04%	4	8.16%
Lyndhurst	12	10	83.33%	0	0.00%	0	0.00%	2	16.67%
Maple Heights	23	11	47.83%	3	13.04%	5	21.74%	4	17.39%
Mayfield Heights	9	7	77.78%	0	0.00%	1	11.11%	1	11.11%
Middleburg Heights	17	13	76.47%	0	0.00%	0	0.00%	4	23.53%
North Olmsted	25	20	80.00%	1	4.00%	1	4.00%	3	12.00%
North Royalton	18	16	88.89%	1	5.56%	1	5.56%	0	0.00%
Olmsted Falls	12	11	91.67%	1	8.33%	0	0.00%	0	0.00%
Parma	75	56	74.67%	2	2.67%	6	8.00%	11	14.67%
Parma Heights	20	18	90.00%	1	5.00%	0	0.00%	1	5.00%
Pepper Pike	1	0	0.00%	0	0.00%	0	0.00%	1	100.00%
Richmond Heights	9	4	44.44%	2	22.22%	2	22.22%	1	11.11%
Rocky River	18	13	72.22%	0	0.00%	0	0.00%	5	27.78%
Seven Hills	10	8	80.00%	0	0.00%	0	0.00%	2	20.00%

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	13	8	61.54%	3	23.08%	0	0.00%	2	15.38%
Solon	8	4	50.00%	0	0.00%	1	12.50%	3	37.50%
South Euclid	13	7	53.85%	0	0.00%	2	15.38%	4	30.77%
Strongsville	32	25	78.13%	3	9.38%	0	0.00%	4	12.50%
University Heights	4	2	50.00%	0	0.00%	1	25.00%	1	25.00%
Warrensville Heights	17	8	47.06%	1	5.88%	5	29.41%	3	17.65%
Westlake	41	34	82.93%	1	2.44%	2	4.88%	4	9.76%
VILLAGES Bentleyville	0	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Bratenahl	3	1	33.33%	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	1	1	100.00%	0	0.00%	0	0.00%	0	0.00%
Gates Mills	3	3	100.00%	0	0.00%	0	0.00%	0	0.00%
Glenwillow	1	1	100.00%	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	2	2	100.00%	0	0.00%	0	0.00%	0	0.00%
Moreland Hills	3	2	66.67%	1	33.33%	0	0.00%	0	0.00%
Newburgh Heights	4	2	50.00%	1	25.00%	1	25.00%	0	0.00%
North Randall	2	1	50.00%	1	50.00%	0	0.00%	0	0.00%
Oakwood Village	1	1	100.00%	0	0.00%	0	0.00%	0	0.00%
Orange Village	0	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Valley View	4	2	50.00%	0	0.00%	1	25.00%	1	25.00%
Walton Hills	6	4	66.67%	1	16.67%	0	0.00%	1	16.67%
Woodmere	1	0	0.00%	0	0.00%	0	0.00%	1	100.00%
TOWNSHIPS Chagrin Falls	3	3	100.00%	0	0.00%	0	0.00%	0	0.00%
Olmsted Township	11	10	90.91%	0	0.00%	0	0.00%	1	9.09%
OUT OF COUNTY	223	164	73.54%	41	18.39%	7	3.14%	11	4.93%
UNKNOWN	108	101	93.52%	5	4.63%	2	1.85%	0	0.00%

TABLE F DEATHS IN COUNTY, DEATHS REPORTED TO MEDICAL EXAMINER/CASES RECEIVED 1940 - 2021

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 - 2021

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%

County Population 2020: 1,227,883					
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
2020	16,164	8,080	50.0%	3,069	18.99%
2021	15,953	7,824	49.1%	3,113	19.5%

BIG CREEK RESERVATION, BROOKLYN

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

TYPES OF FATALITIES SUMMARY 1940 - 2021

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 Deaths									Injury-Related Deaths			
	Total Cases	Total Natural	% Natural	Injury-Related	% Injury-Related	Undetermined	% Undetermined	No Manner	% No Manner	Homicide	Suicide	Accident	Vehicular
2010	2,451	1,139	46.47	1,259	51.37	53	2.16	0	0.00	98	144	1,017	128
2011	2,449	1,162	47.45	1,239	50.59	48	1.96	0	0.00	120	161	958	103
2012	2,219	1,004	45.25	1,164	52.46	47	2.11	4	0.18	143	170	851	95
2013	2,258	989	43.80	1,236	54.74	31	1.37	2	0.09	137	160	939	97
2014	2,258	981	43.58	1,224	54.38	39	1.73	7	0.31	140	151	933	82
2015	2,456	1,040	42.35	1,370	55.78	42	1.71	4	0.16	163	159	920	128
2016	2,903	1,009	34.76	1,850	63.73	29	1.00	15	0.52	189	174	1,348	139
2017	2,952	1,031	34.92	1,891	64.06	25	0.85	5	0.17	189	176	1,376	150
2018	2,810	1,104	39.29	1,673	59.54	28	1.00	5	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

County Population 2020: 1,227,883													
Year	Totals Deaths									Injury-Related Deaths			
	Total Cases	Total Natural	% Natural	Injury-Related	% Injury-Related	Undetermined	% Undetermined	No Manner	% No Manner	Homicide	Suicide	Accident	Vehicular
2020	3,069	1,192	38.84	1,844	60.08	25	0.81	8	0.26	252	182	1,254	156
2021	3,113	1,165	37.42	1,920	61.68	18	0.58	10	0.32	255	178	1,305	182

***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	
Ashland	0	2	0	0	2	0	2	0	2
Geauga	3	0	1	1	1	0	2	1	3
Lake	1	1	1	0	1	0	1	1	2
Lorain	11	3	1	9	3	1	6	8	14
Medina	1	0	0	1	0	0	1	0	1
Portage	0	1	1	0	0	0	1	0	1
Stark	1	0	0	0	0	1	1	0	1
Summit	0	1	0	1	0	0	0	1	1
Trumbull	1	1	1	1	0	0	2	0	2
Wayne	1	0	1	0	0	0	1	0	1
Total	**19**	**9**	**6**	**13**	**7**	**2**	**17**	**11**	**28**

*Autopsied Cases Only.

TABLE I 2021 AUTOPSIES PERFORMED FOR OTHER COUNTIES

County	Male	Female	Grand Total
Ashland	10	25	35
Ashtabula	15	13	28
Carroll	0	5	5
Columbiana	10	18	28
Erie	1	2	3
Geauga	23	58	81
Harrison	3	3	6
Holmes	0	2	2
Jefferson	2	9	11
Lake	20	42	62
Mahoning	46	113	159
Medina	15	20	35
Portage	4	9	13
Stark	14	32	46
Trumbull	5	7	12
Tuscarawas	16	26	42
Wayne	1	3	4
Total	**185**	**387**	**572**

DISTRIBUTION OF CASES BY DEATH MUNICIPALITY PER 1,000 POPULATION

MAP 1

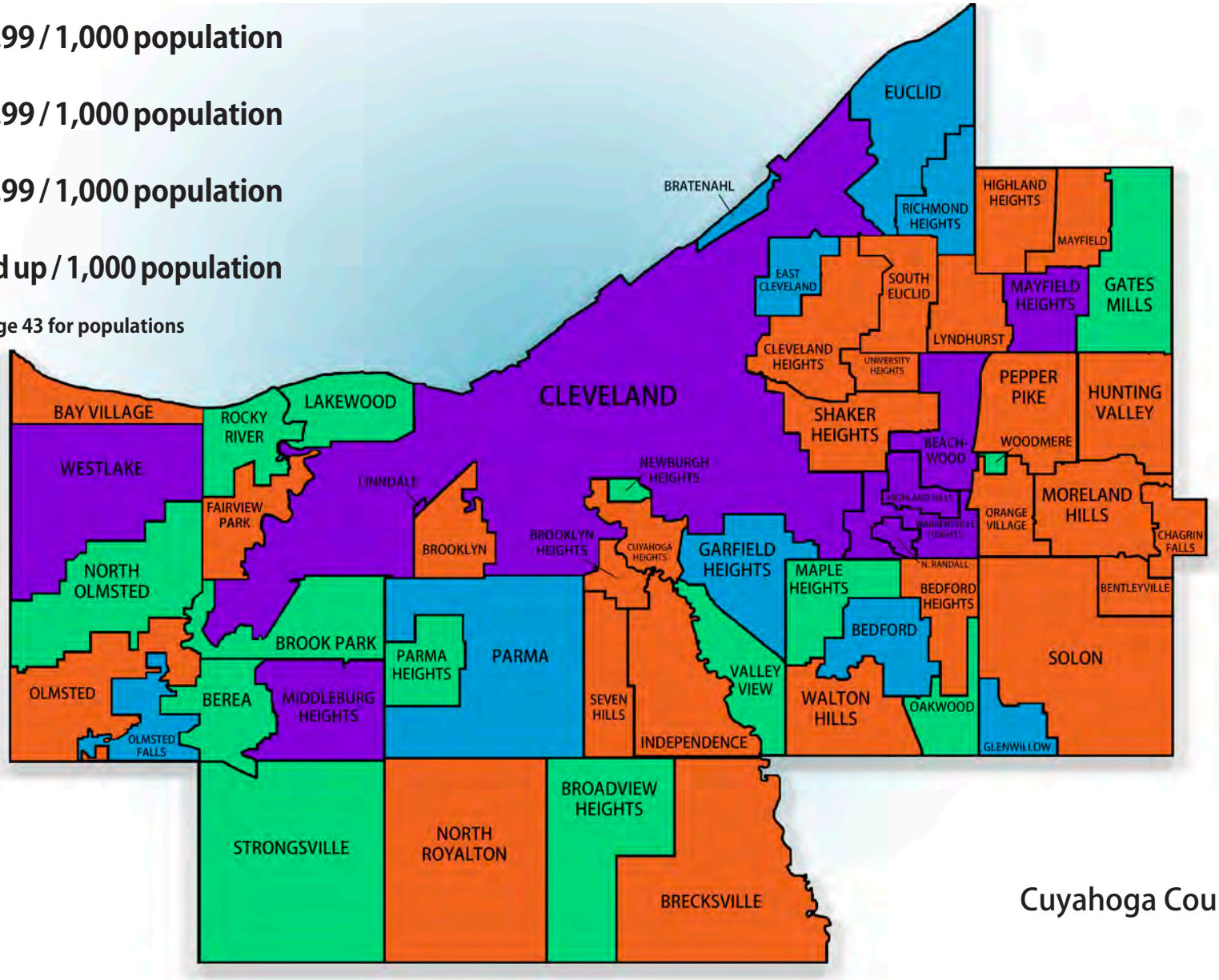
0.0 - 0.99 / 1,000 population

1.0 - 1.99 / 1,000 population

2.0 - 2.99 / 1,000 population

3.0 and up / 1,000 population

See page 43 for populations



Cuyahoga County, Ohio

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

Cities	Deaths	Population	%	Cities	Deaths	Population	%
Cleveland	1,707	372,624	4.58	Maple Heights	28	23,701	1.18
Bay Village	15	16,163	0.93	Mayfield Heights	90	20,351	4.42
Beachwood	49	14,040	3.49	Middleburg Heights	69	16,004	4.31
Bedford	38	13,149	2.89	North Olmsted	34	32,442	1.05
Bedford Heights	10	11,020	0.91	North Royalton	23	31,322	0.73
Berea	19	18,545	1.02	Olmsted Falls	21	8,582	2.45
Brecksville	12	13,635	0.88	Parma	172	81,146	2.12
Broadview Heights	22	19,936	1.10	Parma Heights	23	20,863	1.10
Brooklyn	9	11,359	0.79	Pepper Pike	1	6,796	0.15
Brook Park	30	18,595	1.61	Richmond Heights	26	10,801	2.41
Cleveland Heights	40	45,312	0.88	Rocky River	25	21,755	1.15
East Cleveland	40	13,792	2.90	Seven Hills	6	11,720	0.51
Euclid	114	49,692	2.29	Shaker Heights	14	29,439	0.48
Fairview Park	12	17,291	0.69	Solon	9	24,262	0.37
Garfield Heights	73	29,781	2.45	South Euclid	14	21,883	0.64
Highland Heights	4	8,719	0.46	Strongsville	57	46,491	1.23
Independence	6	7,584	0.79	University Heights	1	13,914	0.07
Lakewood	63	50,942	1.24	Warrensville Heights	49	13,789	3.55
Lyndhurst	12	14,050	0.85	Westlake	128	34,228	3.74
Villages	**Deaths**	**Population**	**%**	**Villages**	**Deaths**	**Population**	**%**
Bentleyville	0	897	0.00	Mayfield	3	3,356	0.89
Bratenahl	3	1,430	2.10	Moreland Hills	2	3,466	0.58
Brooklyn Heights	0	1,519	0.00	Newburgh Heights	3	1,862	1.61
Cuyahoga Heights	0	573	0.00	North Randall	3	954	3.14
Gates Mills	4	2,264	1.77	Oakwood	6	3,572	1.68
Glenwillow	2	994	2.01	Orange	0	3,421	0.00
Highland Hills	2	662	3.02	Valley View	3	1,897	1.58
Hunting Valley	0	627	0.00	Walton Hills	2	2,033	0.98
Linndale	1	108	9.26	Woodmere	1	641	1.56
Townships	**Deaths**	**Population**	**%**	**Townships**	**Deaths**	**Population**	**%**
Chagrin Falls	4	4,317	0.93	Olmsted Falls	9	14,506	0.62

POPULATION OF CUYAHOGA COUNTY BY CITIES, VILLAGES, TOWNSHIPS, AND DISTRICTS (2020 CENSUS)

Cities

Cleveland	**372,624**
Bay Village	16,163
Beachwood	14,040
Bedford	13,149
Bedford Heights	11,020
Berea	18,545
Brecksville	13,635
Broadview Heights	19,936
Brooklyn	11,359
Brook Park	18,595
Cleveland Heights	45,312
East Cleveland	13,792
Euclid	49,692
Fairview Park	17,291
Garfield Heights	29,781
Highland Heights	8,719
Independence	7,584
Lakewood	50,942
Lyndhurst	14,050
Maple Heights	23,701
Mayfield Heights	20,351
Middleburg Heights	16,004
North Olmsted	32,442
North Royalton	31,322
Olmsted Falls	8,582
Parma	81,146
Parma Heights	20,863
Pepper Pike	6,796
Richmond Heights	10,801
Rocky River	21,755
Seven Hills	11,720
Shaker Heights	29,439
Solon	24,262
South Euclid	21,883
Strongsville	46,491
University Heights	13,914
Warrensville Heights	13,789
Westlake	34,228

Villages

Bentleyville	897
Bratenahl	1,430
Brooklyn Heights	1,519
Cuyahoga Heights	573
Gates Mills	2,264
Glenwillow	994
Highland Hills	662
Hunting Valley	627
Linndale	108
Mayfield	3,356
Moreland Hills	3,466
Newburgh Heights	1,862
North Randall	954
Oakwood	3,572
Orange	3,421
Valley View	1,897
Walton Hills	2,033
Woodmere	641

Townships

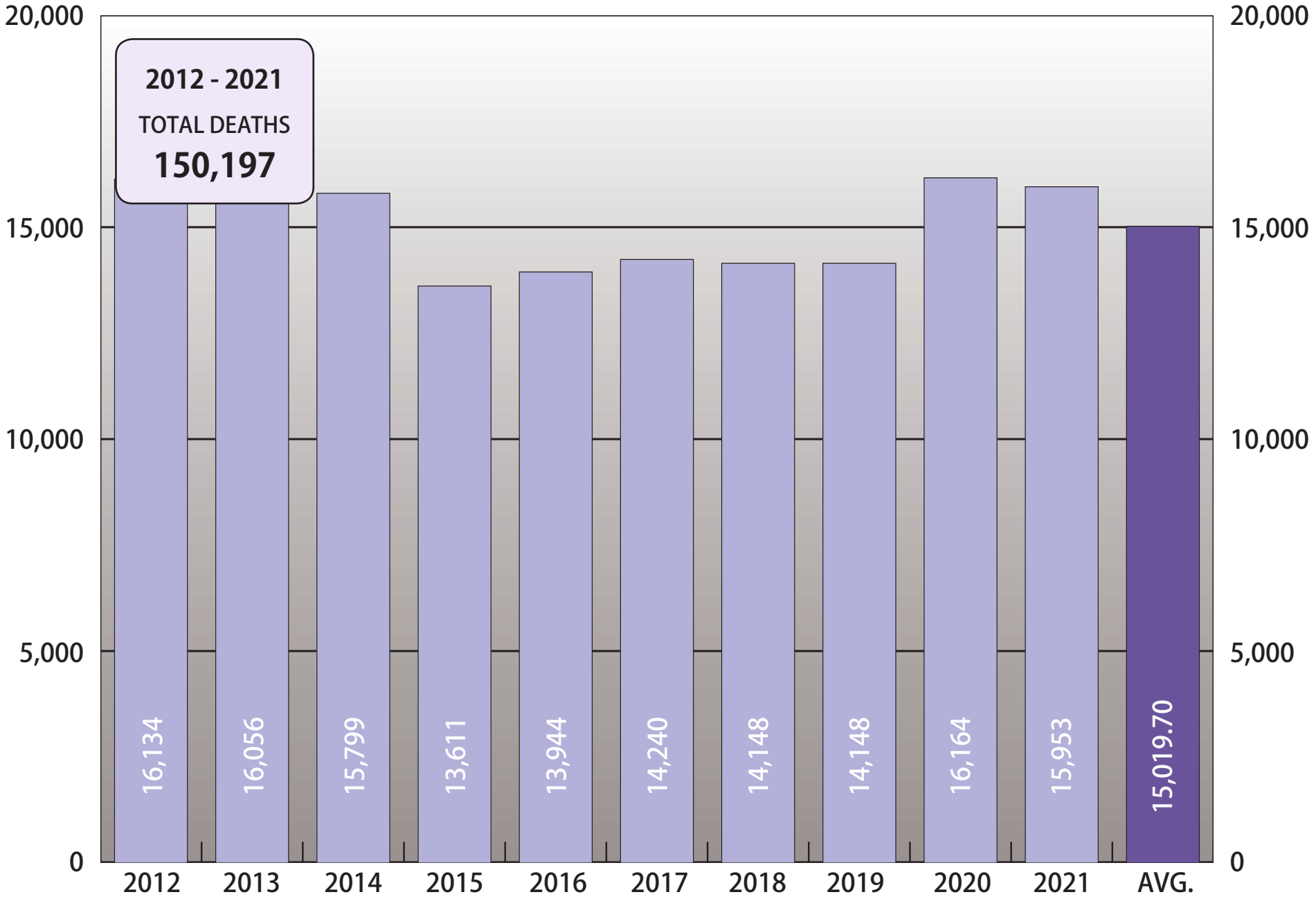
Chagrin Falls*	4,317
Olmsted	14,506

*** 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.**

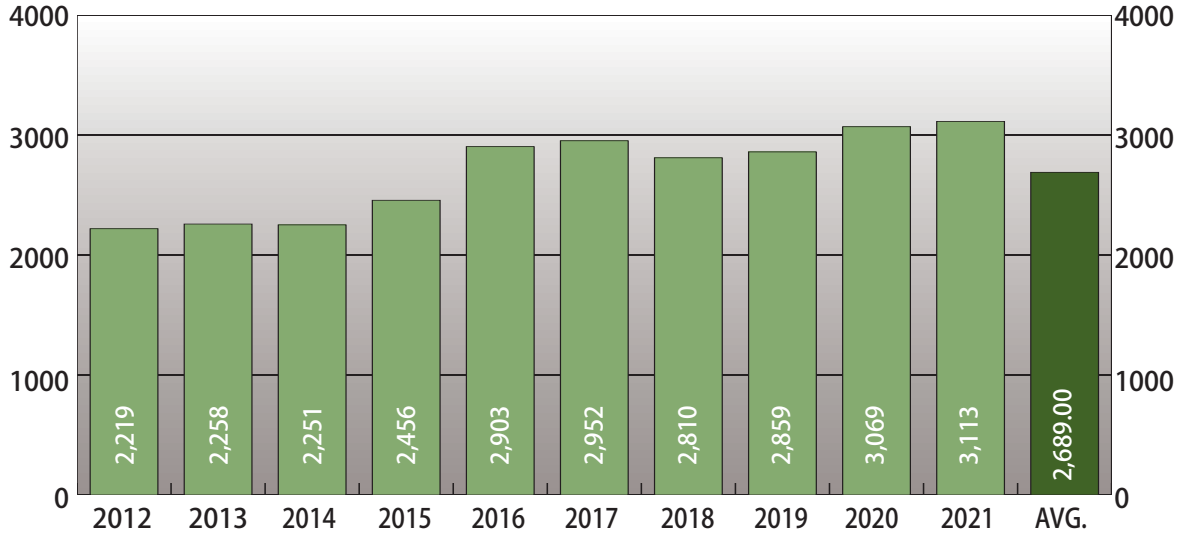
POPULATION OF CUYAHOGA COUNTY 1,264,817

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



2021 SUMMARY OF MEDICAL EXAMINER'S CASES

FOR A PERIOD OF TEN YEARS



2012 - 2021

TOTAL CASES

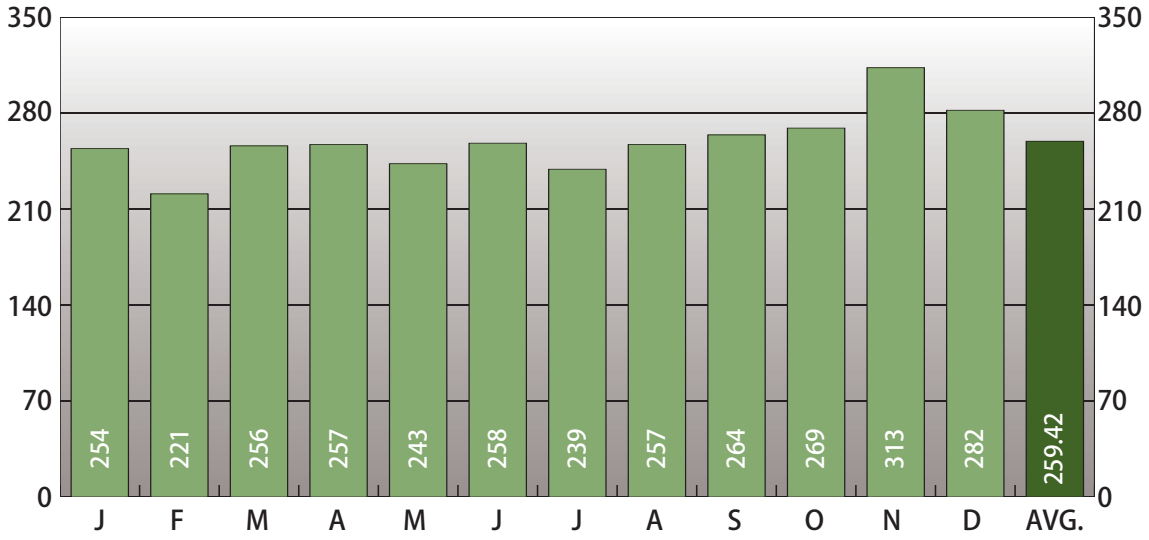
26,890

17.90%

OF TOTAL DEATHS

2021 SUMMARY OF MEDICAL EXAMINER'S CASES

BY MONTH FOR THE YEAR 2021



2021

TOTAL CASES

3,113

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	391	397	21	118	927
Accidents While at Work	7	6	1	1	15
Vehicular Fatalities	78	57	6	41	182
Accidents in Other Places	134	173	12	44	363
Homicides	176	70	2	7	255
Suicides	63	100	4	11	178
Natural Causes	553	586	26	0	1,165
Undetermined Causes	17	1	0	0	18
No Manner Issued	7	3	0	0	10
Total Cases Reported and Admitted	**1,426**	**1,393**	**72**	**222**	**3,113**

Miscellaneous	Total
Cases Reported-Not Admitted	4,711
Autopsies*	1,614*
Autopsies Performed for Other Counties	572
Unidentified Bodies	0
Unclaimed Bodies	100
Donated Bodies	3
Total Deaths in Cuyahoga County	15,953
Total Cases as a Percentage of Total Deaths	19.51%

***Includes 12 autopsies performed at hospitals.**

NOTE: If known, 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	35	37	39	23	53	35	53	19	58	35	43	34	38	30	52	28	36	29	46	31	48	42	50	33	551	376	927
Accidents While at Work	0	0	2	0	1	0	1	0	2	0	2	0	2	0	3	0	1	0	1	0	0	0	0	0	15	0	15
Vehicular Accidents	14	5	9	2	11	2	8	4	10	3	10	3	12	7	11	5	13	3	11	2	14	5	12	6	135	47	182
Accidents in Other Places	9	11	20	10	23	11	18	15	12	9	24	13	19	15	15	15	12	11	27	13	17	15	16	13	212	151	363
Homicides	14	3	14	3	17	4	19	5	17	6	23	3	20	3	18	2	15	5	24	3	16	9	7	5	204	51	255
Suicides	6	2	2	2	9	6	9	3	13	3	10	3	14	4	9	3	21	5	9	5	20	3	15	2	137	41	178
Natural Causes	71	45	64	29	53	29	68	34	51	22	67	21	52	21	62	29	79	31	62	34	73	48	78	42	780	385	1,165
Undetermined Causes	0	2	2	0	0	0	0	0	1	0	1	0	2	0	3	0	3	0	0	0	3	0	0	1	15	3	18
No Manner Issued	0	0	0	0	2	0	0	1	1	0	0	1	0	0	2	0	0	0	1	0	0	0	1	1	7	3	10
Total	149	105	152	69	169	87	176	81	165	78	180	78	159	80	175	82	180	84	181	88	191	122	179	103	2,056	1,057	3,113

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	19	15	25	6	32	22	37	10	36	15	23	15	23	10	30	14	24	13	29	17	29	19	17	9	324	165	489
Accidents While at Work	0	0	1	0	1	0	0	0	1	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	7	0	7
Vehicular Accidents	8	2	6	2	8	2	4	3	6	3	4	2	7	5	6	3	7	2	9	0	7	3	7	3	79	30	109
Accidents in Other Places	5	2	8	1	13	3	14	4	7	4	9	2	12	2	7	2	3	5	7	4	7	1	7	1	99	31	130
Homicides	14	3	14	3	17	4	18	5	17	6	23	3	20	3	18	2	15	5	24	3	16	9	7	5	203	51	254
Suicides	5	2	2	2	7	4	5	3	13	3	10	1	13	3	9	2	19	5	8	3	20	3	12	1	123	32	155
Natural Causes	27	14	26	11	26	12	35	9	22	6	34	7	22	7	28	9	30	11	27	11	26	12	20	12	323	121	444
Undetermined Causes	0	2	2	0	0	0	0	0	1	0	1	0	2	0	2	0	3	0	0	0	3	0	0	1	14	3	17
No Manner Issued	0	0	0	0	2	0	0	1	1	0	0	1	0	0	2	0	0	0	1	0	0	0	1	0	7	2	9
Total	78	40	84	25	106	47	113	35	104	37	104	31	101	30	104	32	101	41	105	38	108	47	71	32	1,179	435	1,614

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	7	8	3	1	3	2	1	0	2	1	18	5	23	11	29	13	35	27	43	21	38	17	50	31	55	21	58	29	36	15	36	19	24	22	90	133	551	376	927
Accidents While at Work	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	4	0	4	0	1	0	0	0	1	0	0	0	1	0	1	0	15	0	15
Vehicular Accidents	0	0	0	0	0	0	1	0	10	2	8	2	11	4	18	8	12	5	10	2	10	2	7	4	9	4	9	2	15	1	5	2	3	3	7	6	135	47	182
Accidents in Other Places	1	0	0	2	0	0	3	1	1	1	4	3	11	6	10	5	14	6	23	5	15	4	14	8	15	2	17	8	10	3	7	4	15	9	52	84	212	151	363
Homicides	1	0	2	0	2	0	4	0	18	1	24	7	45	10	35	8	28	10	14	2	9	3	5	1	6	2	6	1	4	1	1	1	0	1	0	3	204	51	255
Suicides	0	0	0	0	0	0	2	2	6	6	10	2	13	7	8	3	16	1	12	2	11	3	10	4	16	1	8	2	4	5	8	1	7	1	6	1	137	41	178
Natural Causes	3	0	1	1	1	2	2	1	1	2	7	4	14	7	17	10	26	17	36	16	44	15	87	33	117	33	129	40	100	43	83	45	43	31	69	85	780	385	1,165
Undetermined Causes	4	1	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	3	0	1	0	0	0	1	0	2	0	0	0	0	0	2	1	0	0	15	3	17
No Manner Issued	7	3	0	0	0	0	0	0	0	0	0	0	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	3	10
Total	23	12	6	4	6	4	13	4	38	13	72	23	118	45	117	48	133	66	142	48	132	44	177	81	220	63	229	82	170	68	140	72	95	68	225	312	2,056	1,057	3,113

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	7	8	2	1	2	1	0	0	0	1	17	5	16	9	23	10	29	24	36	20	33	15	38	23	43	16	37	13	17	7	14	4	5	5	5	3	324	165	489
Accidents While at Work	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	2	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	7
Vehicular Accidents	0	0	0	0	0	0	1	0	9	2	5	2	7	3	12	5	8	4	9	2	7	2	4	3	4	3	2	0	7	0	1	0	2	0	1	4	79	30	109
Accidents in Other Places	0	0	0	2	0	0	2	0	1	0	3	3	7	4	5	3	12	5	17	3	12	3	10	3	6	0	12	3	4	1	3	1	3	0	2	0	99	31	130
Homicides	1	0	2	0	2	0	4	0	18	1	24	7	45	10	35	8	28	10	14	2	9	3	5	1	6	2	6	1	3	1	1	1	0	1	0	3	203	51	254
Suicides	0	0	0	0	0	0	2	2	5	4	8	2	12	6	7	1	13	1	12	2	11	3	8	4	15	1	8	2	3	4	8	0	6	0	5	0	123	32	155
Natural Causes	2	0	1	1	1	2	2	0	1	2	7	4	9	5	15	5	20	14	23	10	27	10	49	9	60	13	52	15	24	9	16	6	6	5	8	11	323	121	444
Undetermined Causes	4	1	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	3	0	1	0	0	0	1	0	1	0	0	0	0	0	2	1	0	0	14	3	17
No Manner Issued	7	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	7	2	9
Total	**21**	**11**	**5**	**4**	**5**	**3**	**11**	**2**	**34**	**10**	**65**	**23**	**97**	**37**	**97**	**33**	**111**	**58**	**114**	**39**	**102**	**36**	**118**	**43**	**135**	**35**	**118**	**34**	**58**	**22**	**43**	**12**	**24**	**12**	**21**	**21**	**1,179**	**435**	**1,614**

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 Violence	Natural Causes	Undetermined Causes	No Manner Issued	Total Other Deaths	
Cleveland	524	13	129	179	845	206	79	285	553	17	7	577	1,707
Bay Village	5	0	0	4	9	0	1	1	5	0	0	5	15
Beachwood	20	0	0	10	30	2	0	2	17	0	0	17	49
Bedford	7	0	1	3	11	1	3	4	23	0	0	23	38
Bedford Heights	1	0	0	0	1	1	0	1	8	0	0	8	10
Berea	7	0	0	1	8	0	4	4	7	0	0	7	19
Brecksville	6	0	1	2	9	0	0	0	3	0	0	3	12
Broadview Heights	6	0	0	5	11	1	3	4	7	0	0	7	22
Brooklyn	2	0	0	1	3	0	1	1	5	0	0	5	9
Brook Park	12	1	1	4	18	0	3	3	9	0	0	9	30
Cleveland Heights	7	0	0	2	9	0	6	6	24	1	0	25	40
East Cleveland	6	0	0	6	12	5	3	8	20	0	0	20	40
Euclid	37	0	5	5	47	4	7	11	55	0	1	56	114
Fairview Park	2	0	0	1	3	0	2	2	7	0	0	7	12
Garfield Heights	17	0	6	12	35	9	1	10	28	0	0	28	73
Highland Heights	1	0	0	2	3	0	0	0	1	0	0	1	4
Independence	0	0	1	1	2	1	1	2	2	0	0	2	6
Lakewood	23	0	3	3	29	1	3	4	30	0	0	30	63
Lyndhurst	2	0	0	4	6	0	2	2	4	0	0	4	12
Maple Heights	7	0	3	1	11	1	4	5	12	0	0	12	28
Mayfield Heights	30	0	8	10	48	7	6	13	28	0	1	29	90
Middleburg Heights	20	0	4	14	38	0	5	5	26	0	0	26	69
North Olmsted	11	0	1	4	16	0	2	2	16	0	0	16	34
North Royalton	7	0	0	2	9	0	0	0	14	0	0	14	23
Olmsted Falls	7	0	1	7	15	0	0	0	6	0	0	6	21
Parma	60	0	2	17	79	5	11	16	76	0	1	77	172
Parma Heights	9	0	0	1	10	0	1	1	12	0	0	12	23
Pepper Pike	0	0	0	0	0	0	1	1	0	0	0	0	1
Richmond Heights	7	0	1	2	10	1	1	2	14	0	0	14	26
Rocky River	4	0	0	4	8	0	4	4	13	0	0	13	25
Seven Hills	1	0	0	1	2	0	2	2	2	0	0	2	6

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 Violence	Natural Causes	Undetermined Causes	No Manner Issued	Total Other Deaths	
Shaker Heights	1	1	0	0	2	0	2	2	10	0	0	10	14
Solon	0	0	0	0	0	0	2	2	7	0	0	7	9
South Euclid	2	0	0	0	2	0	3	3	9	0	0	9	14
Strongsville	19	0	1	9	29	0	3	3	25	0	0	25	57
University Heights	0	0	0	0	0	0	0	0	1	0	0	1	1
Warrensville Heights	11	0	3	8	22	5	3	8	19	0	0	19	49
Westlake	38	0	8	32	78	3	6	9	41	0	0	41	128
VILLAGES: Bentleyville	0	0	0	0	0	0	0	0	0	0	0	0	0
Bratenahl	0	0	2	0	2	0	0	0	1	0	0	1	3
Brooklyn Heights	0	0	0	0	0	0	0	0	0	0	0	0	0
Cuyahoga Heights	0	0	0	0	0	0	0	0	0	0	0	0	0
Gates Mills	2	0	0	0	2	0	0	0	2	0	0	2	4
Glenwillow	0	0	0	1	1	0	0	0	1	0	0	1	2
Highland Hills	0	0	0	0	0	0	0	0	2	0	0	2	2
Hunting Valley	0	0	0	0	0	0	0	0	0	0	0	0	0
Linndale	0	0	0	0	0	0	0	0	1	0	0	1	1
Mayfield Village	2	0	0	0	2	0	0	0	1	0	0	1	3
Moreland Hills	0	0	0	1	1	0	0	0	1	0	0	1	2
Newburgh Heights	1	0	1	0	2	1	0	1	0	0	0	0	3
North Randall	0	0	0	1	1	0	0	0	2	0	0	2	3
Oakwood Village	0	0	0	0	0	0	0	0	6	0	0	6	6
Orange Village	0	0	0	0	0	0	0	0	0	0	0	0	0
Walton Hills	1	0	0	0	1	1	1	2	0	0	0	0	3
Valley View	1	0	0	0	1	0	0	0	1	0	0	1	2
Woodmere	0	0	0	0	0	0	1	1	0	0	0	0	1
TOWNSHIPS: Chagrin Falls	0	0	0	1	1	0	0	0	3	0	0	3	4
Olmsted Township	1	0	0	2	3	0	1	1	5	0	0	5	9
Total	**927**	**15**	**182**	**363**	**1,487**	**255**	**178**	**433**	**1,165**	**18**	**10**	**1,193**	**3,113**

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 Violence	Grand Total
Cleveland	389	7	73	75	544	175	63	238	782
Bay Village	3	0	0	5	8	0	1	1	9
Beachwood	10	0	2	5	17	1	1	2	19
Bedford	7	0	2	2	11	1	2	3	14
Bedford Heights	4	0	0	0	4	2	2	4	8
Berea	11	0	2	6	19	0	4	4	23
Brecksville	10	0	0	1	11	0	1	1	12
Broadview Heights	9	0	3	4	16	1	3	4	20
Brooklyn	6	0	1	3	10	1	1	2	12
Brook Park	19	1	1	4	25	0	3	3	28
Cleveland Heights	15	0	4	2	21	5	6	11	32
East Cleveland	11	0	5	2	18	15	3	18	36
Euclid	39	0	4	3	46	6	8	14	60
Fairview Park	6	0	0	1	7	0	2	2	9
Garfield Heights	12	0	3	9	24	9	2	11	35
Highland Heights	1	0	0	4	5	0	0	0	5
Independence	3	0	5	4	12	0	1	1	13
Lakewood	33	2	6	3	44	1	4	5	49
Lyndhurst	7	0	0	3	10	0	2	2	12
Maple Heights	10	0	3	1	14	5	4	9	23
Mayfield Heights	5	0	0	2	7	1	1	2	9
Middleburg Heights	8	0	0	5	13	0	4	4	17
North Olmsted	16	0	1	4	21	1	3	4	25
North Royalton	12	0	1	4	17	1	0	1	18
Olmsted Falls	8	0	1	3	12	0	0	0	12
Parma	44	1	2	11	58	6	11	17	75
Parma Heights	17	0	1	1	19	0	1	1	20
Pepper Pike	0	0	0	0	0	0	1	1	1
Richmond Heights	3	0	2	1	6	2	1	3	9
Rocky River	8	0	0	5	13	0	5	5	18
Seven Hills	6	0	0	2	8	0	2	2	10

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 Violence	Grand Total
Shaker Heights	6	1	3	1	11	0	2	2	13
Solon	4	0	0	0	4	1	3	4	8
South Euclid	7	0	0	0	7	2	4	6	13
Strongsville	15	0	3	10	28	0	4	4	32
University Heights	2	0	0	0	2	1	1	2	4
Warrensville Heights	6	0	1	2	9	5	3	8	17
Westlake	13	0	1	21	35	2	4	6	41
VILLAGES: Bentleyville	0	0	0	0	0	0	0	0	0
Bratenahl	1	0	2	0	3	0	0	0	3
Brooklyn Heights	0	0	0	0	0	0	0	0	0
Cuyahoga Heights	0	1	0	0	1	0	0	0	1
Gates Mills	3	0	0	0	3	0	0	0	3
Glenwillow	0	0	0	1	1	0	0	0	1
Highland Hills	0	0	0	1	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	2	0	0	0	2	0	0	0	2
Moreland Hills	0	0	1	2	3	0	0	0	3
Newburgh Heights	2	0	1	0	3	1	0	1	4
North Randall	0	0	1	1	2	0	0	0	2
Oakwood Village	1	0	0	0	1	0	0	0	1
Orange Village	0	0	0	0	0	0	0	0	0
Walton Hills	2	0	0	0	2	1	1	2	4
Valley View	3	0	1	1	5	0	1	1	6
Woodmere	0	0	0	0	0	0	1	1	1
TOWNSHIPS: Chagrin Falls	1	0	0	2	3	0	0	0	3
Olmsted	6	0	0	4	10	0	1	1	11
Out of County	118	1	41	45	205	7	11	18	223
Unknown	3	1	5	97	106	2	0	2	108
Total	**927**	**15**	**182**	**363**	**1,487**	**255**	**178**	**433**	**1,920**

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	32	27	2	0	11	0	72	0	0	0	0	0	0	0	6	8	0	0	5	0	19	3	5	0	0	4	8	20	41	40	2	0	20	8	111
February	27	24	2	0	9	0	62	0	2	0	0	0	0	2	5	3	0	0	2	1	11	5	13	1	0	5	6	30	37	42	3	0	16	7	105
March	34	42	0	2	9	1	88	0	1	0	0	0	0	1	4	5	0	0	3	1	13	8	12	0	1	6	7	34	46	60	0	3	18	9	136
April	37	26	2	0	7	0	72	1	0	0	0	0	0	1	6	2	0	0	4	0	12	10	7	0	2	2	12	33	54	35	2	2	13	12	118
May	34	45	0	1	13	0	93	0	1	1	0	0	0	2	6	4	0	0	3	0	13	3	8	0	1	2	7	21	43	58	1	2	18	7	129
June	29	39	0	0	9	0	77	1	1	0	0	0	0	2	5	5	0	0	3	0	13	4	20	3	0	2	8	37	39	65	3	0	14	8	129
July	22	34	2	1	9	0	68	2	0	0	0	0	0	2	8	5	0	0	6	0	19	7	10	2	1	6	8	34	39	49	4	2	21	8	123
August	28	38	1	0	12	1	80	3	0	0	0	0	0	3	7	5	1	0	3	0	16	7	11	0	0	3	9	30	45	54	2	0	18	10	129
September	31	23	1	0	10	0	65	0	0	0	0	0	1	1	8	5	2	0	1	0	16	6	7	0	0	4	6	23	45	35	3	0	15	7	105
October	40	27	0	1	9	0	77	0	0	0	0	1	0	1	5	4	0	0	4	0	13	9	16	0	0	4	11	40	54	47	0	1	18	11	131
November	38	39	1	0	11	1	90	0	0	0	0	0	0	0	8	6	0	0	4	1	19	7	15	0	1	4	5	32	53	60	1	1	19	7	141
December	37	32	3	2	9	0	83	0	0	0	0	0	0	0	5	5	3	0	3	2	18	6	10	0	0	3	10	29	48	47	6	2	15	12	130
Total	**389**	**396**	**14**	**7**	**118**	**3**	**927**	**7**	**5**	**1**	**0**	**1**	**1**	**15**	**73**	**57**	**6**	**0**	**41**	**5**	**183**	**75**	**134**	**6**	**6**	**45**	**97**	**363**	**545**	**592**	**27**	**13**	**205**	**106**	**1,487**

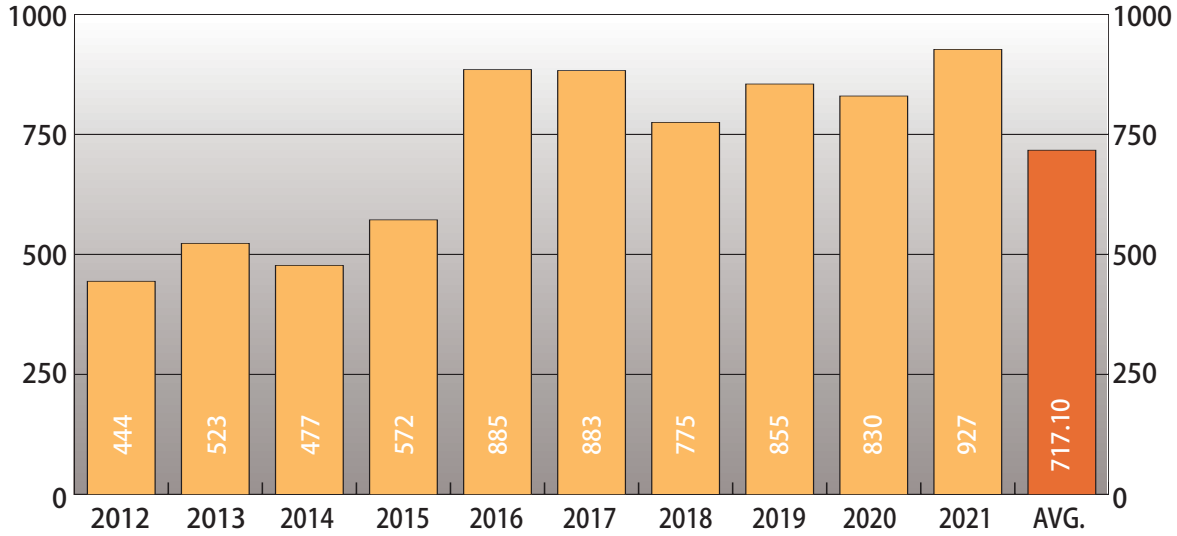
HOMICIDE AND SUICIDE FATALITIES BY MONTH

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	11	6	0	0	0	0	17	2	6	0	0	0	0	8	13	12	0	0	0	0	25
February	10	5	0	0	1	1	17	0	3	0	0	1	0	4	10	8	0	0	2	1	21
March	14	5	1	0	1	0	21	7	5	2	0	1	0	15	21	10	3	0	2	0	36
April	17	6	0	0	0	1	24	6	5	0	0	1	0	12	23	11	0	0	1	1	36
May	14	9	0	0	0	0	23	11	5	0	0	0	0	16	25	14	0	0	0	0	39
June	21	5	0	0	0	0	26	4	8	0	0	1	0	13	25	13	0	0	1	0	39
July	16	6	0	0	1	0	23	6	11	0	0	1	0	18	22	17	0	0	2	0	41
August	14	4	0	0	2	0	20	6	6	0	0	0	0	12	20	10	0	0	2	0	32
September	18	2	0	0	0	0	20	7	15	1	1	2	0	26	25	17	1	1	2	0	46
October	21	6	0	0	0	0	27	3	8	0	0	3	0	14	24	14	0	0	3	0	41
November	12	12	0	0	1	0	25	7	16	0	0	0	0	23	19	28	0	0	1	0	48
December	7	3	1	0	1	0	12	4	12	0	0	1	0	17	11	15	1	0	2	0	29
Total	**175**	**69**	**2**	**0**	**7**	**2**	**255**	**63**	**100**	**3**	**1**	**11**	**0**	**178**	**238**	**169**	**5**	**1**	**18**	**2**	**433**

Photograph by G. Wilson

2021 FATALITIES RESULTING FROM ACCIDENTS IN THE HOME
FOR A PERIOD OF TEN YEARS

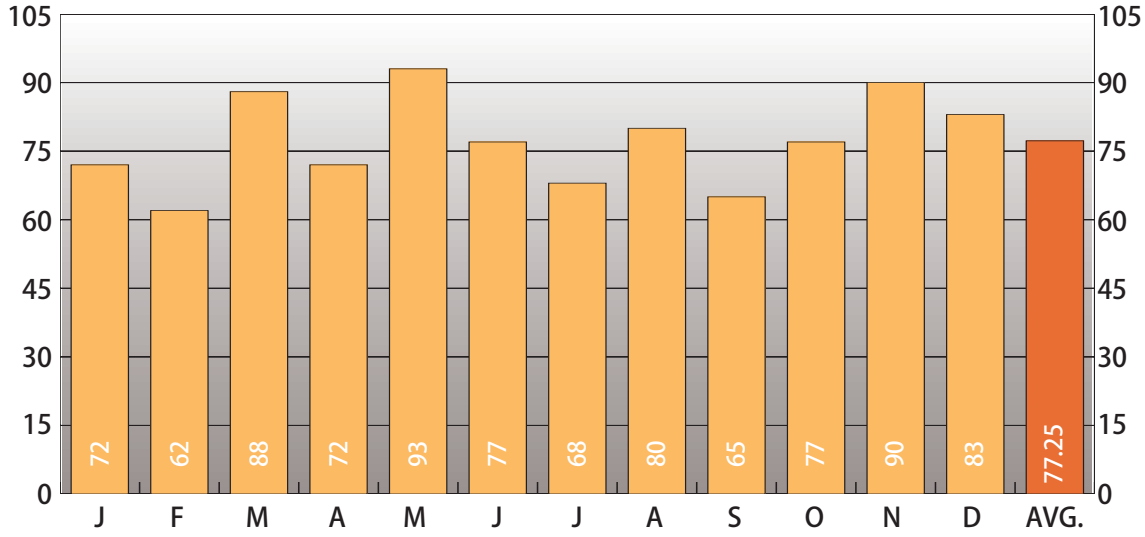


2021

TOTAL CASES

927

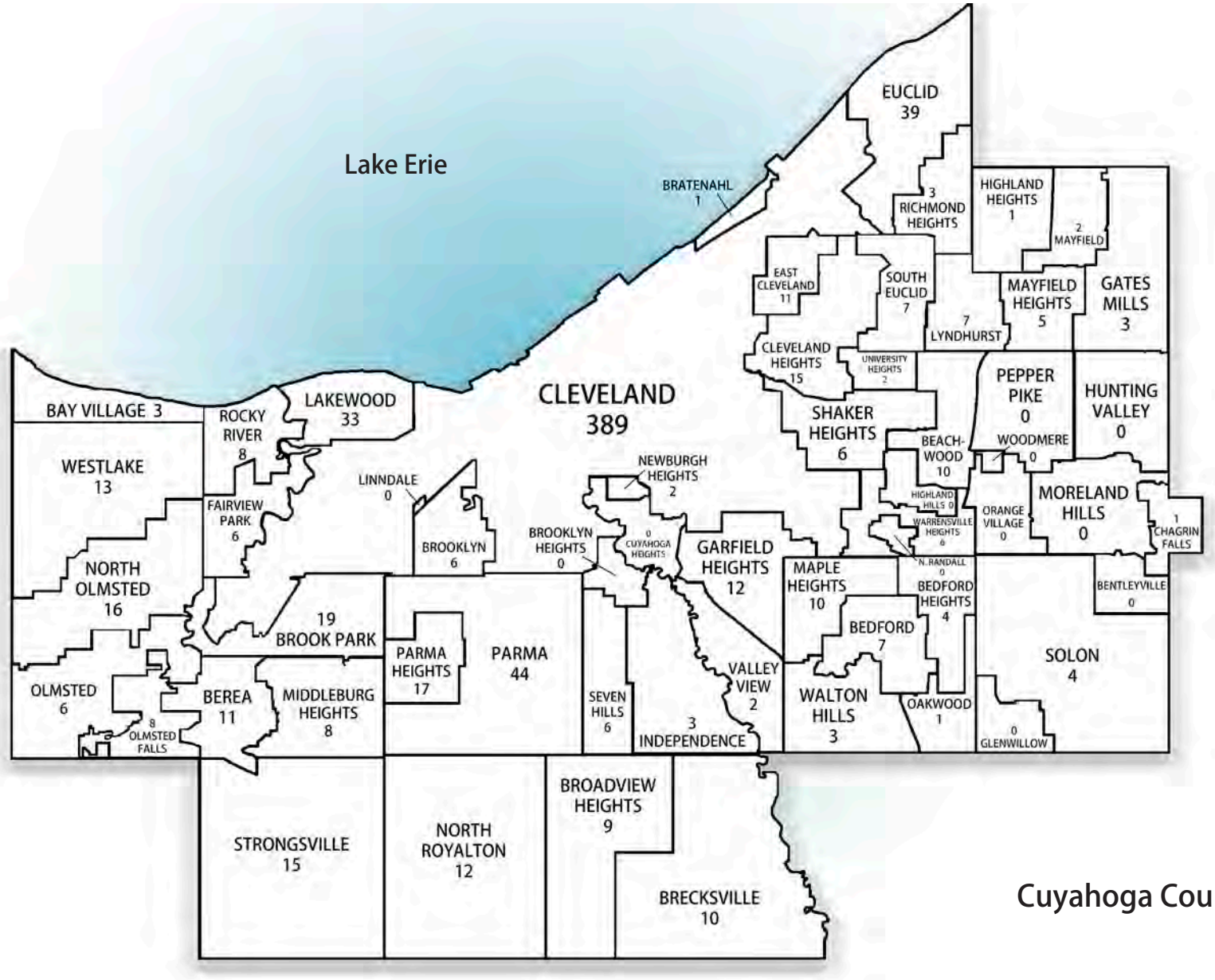
2021 FATALITIES RESULTING FROM ACCIDENTS IN THE HOME
BY MONTH FOR THE YEAR 2021



		Number	Percent
Gender	Male	551	59.44%
	Female	376	40.56%
Race	White	686	74.00%
	Black	236	25.46%
	Asian	4	0.43%
	Other	1	0.11%
Ethnicity	Hispanic	40	4.31%
	Non-Hispanic	887	95.69%
Ethanol	Tested	363	39.16%
	Positive	137	37.74%
Autopsied		489	52.75%

MAP 2

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



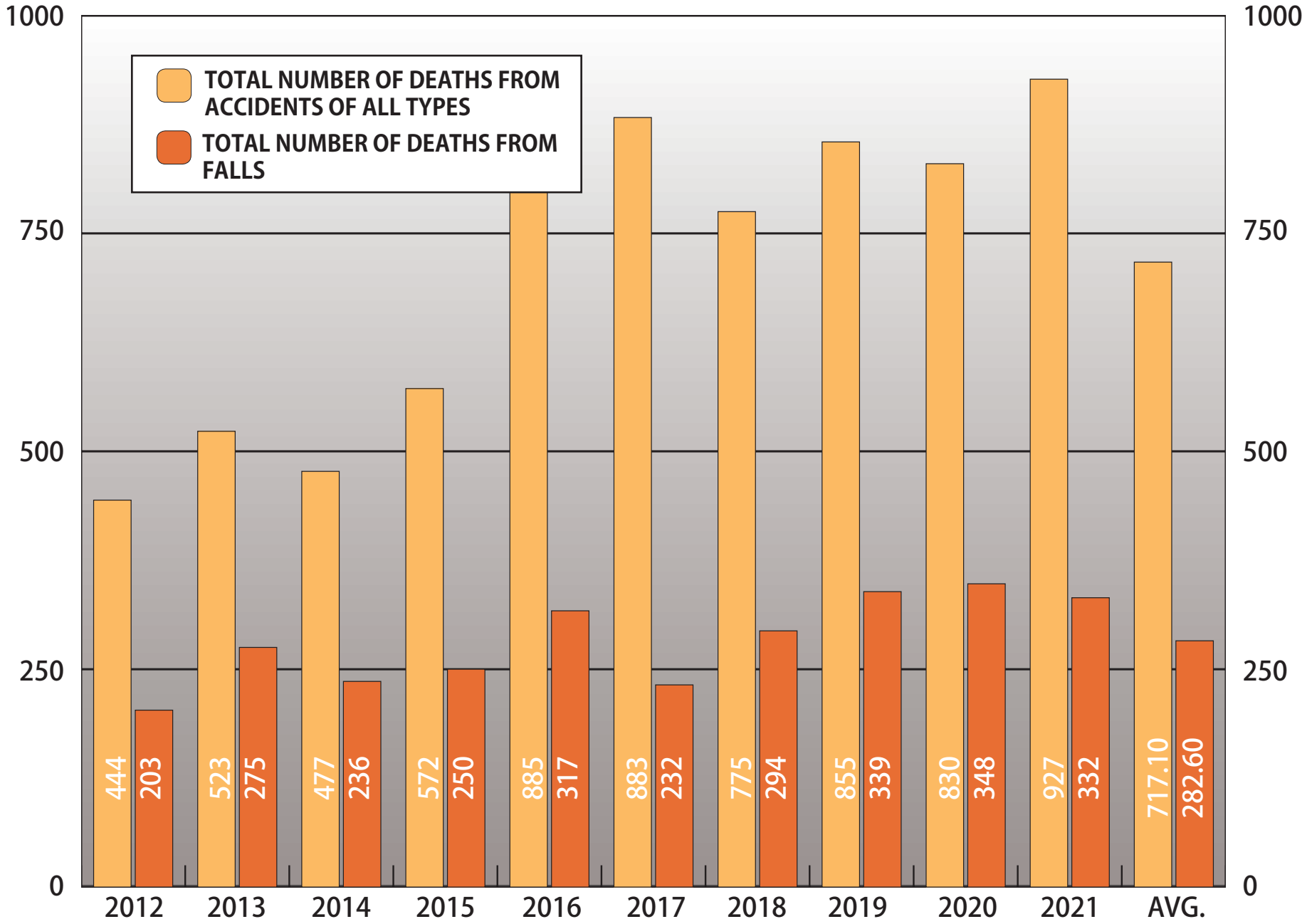
Cuyahoga County, Ohio

*Injury location is unknown for 3 cases and 118 cases are from outside of Cuyahoga County.

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

Cities			
Cleveland	389	Maple Heights	10
Bay Village	3	Mayfield Heights	5
Beachwood	10	Middleburg Heights	8
Bedford	7	North Olmsted	16
Bedford Heights	4	North Royalton	12
Berea	11	Olmsted Falls	8
Brecksville	10	Parma	44
Broadview Heights	9	Parma Heights	17
Brooklyn	6	Pepper Pike	0
Brook Park	19	Richmond Heights	3
Cleveland Heights	15	Rocky River	8
East Cleveland	11	Seven Hills	6
Euclid	39	Shaker Heights	6
Fairview Park	6	Solon	4
Garfield Heights	12	South Euclid	7
Highland Heights	1	Strongsville	15
Independence	3	University Heights	2
Lakewood	33	Warrensville Heights	6
Lyndhurst	7	Westlake	13
Villages			
Bentleyville	0	Mayfield Village	2
Bratenahl	1	Moreland Hills	0
Brooklyn Heights	0	Newburgh Heights	2
Cuyahoga Heights	0	North Randall	0
Gates Mills	3	Oakwood Village	1
Glenwillow	0	Orange Village	0
Highland Hills	0	Valley View	2
Hunting Valley	0	Walton Hills	3
Linndale	0	Woodmere	0
Townships			
Chagrin Falls	1	Olmsted Township	6

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.	72	35	37	19	13	11	18	5	6	0	0	11	16	24	21	0	0	24	21	24	21	0	0	0	0
Feb.	62	39	23	21	6	14	12	4	5	0	0	8	11	31	12	0	0	31	12	7	5	24	7	0	0
Mar.	88	53	35	20	14	25	19	7	2	1	0	11	11	42	24	10	7	32	17	0	0	1	2	31	15
Apr.	72	53	19	27	10	21	7	5	2	0	0	5	3	48	16	48	16	0	0	0	0	0	0	0	0
May	93	58	35	18	16	32	14	8	5	0	0	13	12	45	23	45	23	0	0	0	0	0	0	0	0
Jun.	77	43	34	16	13	21	18	6	3	0	0	8	10	35	24	35	24	0	0	0	0	0	0	0	0
July	68	38	30	17	5	17	20	4	5	0	0	24	26	14	4	14	4	0	0	0	0	0	0	0	0
Aug.	80	52	28	18	10	27	12	6	6	1	0	52	28	0	0	0	0	0	0	0	0	0	0	0	0
Sept.	65	36	29	21	10	12	12	3	7	0	0	36	29	0	0	0	0	0	0	0	0	0	0	0	0
Oct.	77	46	31	24	16	18	10	4	5	0	0	46	31	0	0	0	0	0	0	0	0	0	0	0	0
Nov.	90	48	42	21	17	21	19	5	6	1	0	48	42	0	0	0	0	0	0	0	0	0	0	0	0
Dec.	83	50	33	25	12	21	16	4	5	0	0	50	33	0	0	0	0	0	0	0	0	0	0	0	0
Total	**927**	**551**	**376**	**247**	**142**	**240**	**177**	**61**	**57**	**3**	**0**	**312**	**252**	**239**	**124**	**152**	**74**	**87**	**50**	**31**	**26**	**25**	**9**	**31**	**15**

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	1	1	0	0	0	0	0	0	0	0	0	0	0	0
	Black	13	0	13	2	3	4	4	2	2	2	2	1	1	1	0	0	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
1 - 4	White	1	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0
	Black	3	0	3	2	0	0	1	0	0	0	1	0	0	0	0	0	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
5 - 9	White	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	5	0	5	3	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
	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 - 14	White	1	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0
	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	3	1	2	1	1	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
	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	20	0	20	8	1	7	4	5	4	2	0	0	0	1	0	1	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
	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 - 29	White	28	0	28	7	5	12	4	5	2	7	2	3	2	3	0	1	0
	Black	5	0	5	1	1	2	1	0	0	2	1	1	1	0	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

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	35	1	34	8	4	15	8	13	4	2	4	0	3	0	0	2	1
	Black	6	0	6	4	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	1	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0
35 - 39	White	49	1	48	14	14	14	7	11	3	3	4	2	1	1	2	0	1
	Black	13	0	13	2	2	5	4	2	4	3	0	0	0	1	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
40 - 44	White	52	6	46	13	6	23	10	14	8	9	2	3	0	3	0	3	2
	Black	12	0	12	5	3	2	2	2	1	0	1	0	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
45 - 49	White	40	8	32	13	6	16	5	9	3	7	2	4	1	1	0	2	1
	Black	13	0	13	7	4	1	1	1	1	0	0	0	0	0	0	0	0
	Asian	2	0	2	1	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
50 - 54	White	62	11	51	21	8	18	15	9	5	9	10	3	6	2	1	4	3
	Black	19	0	19	7	4	4	4	2	2	2	2	0	0	2	1	0	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
55 - 59	White	47	4	43	21	6	13	7	8	4	5	3	0	2	3	0	2	1
	Black	29	0	29	8	4	13	4	8	4	5	0	1	0	0	0	4	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
60 - 64	White	50	1	49	13	14	17	6	11	4	6	2	4	2	2	0	0	0
	Black	37	0	37	14	3	14	6	7	5	7	1	3	1	1	0	3	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 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	27	0	27	13	8	4	2	3	0	1	2	0	1	0	1	1	0
	Black	24	1	23	10	3	9	2	7	2	2	0	0	0	1	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
70 - 74	White	38	0	38	15	10	9	4	5	0	4	4	1	1	1	2	2	1
	Black	17	0	17	8	4	4	1	4	0	0	1	0	0	0	0	0	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
75 - 79	White	38	1	37	13	17	6	2	6	2	0	0	0	0	0	0	0	0
	Black	8	0	8	3	2	2	1	0	1	2	0	1	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
80 and Over	White	193	5	188	65	99	15	14	10	9	5	5	3	3	1	2	1	0
	Black	29	0	29	8	17	1	3	0	2	1	1	0	0	1	0	0	1
	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
Total	White	686	39	647	226	200	172	88	112	48	60	40	23	22	18	8	19	10
	Black	236	1	235	84	52	66	34	39	24	27	10	8	4	7	1	12	5
	Asian	4	0	4	2	0	1	1	1	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		**927**	**40**	**887**	**312**	**252**	**239**	**124**	**152**	**74**	**87**	**50**	**31**	**26**	**25**	**9**	**31**	**15**

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	45	27	18	13	7	14	9	0	2	0	0	13	9	14	9	9	5	5	4	2	2	1	1	2	1
Burning	8	5	3	3	1	1	1	1	1	0	0	3	1	2	2	0	0	2	2	0	1	0	1	2	0
Carbon Monoxide	18	10	8	6	4	3	4	1	0	0	0	4	5	6	3	3	2	3	1	0	0	2	0	1	1
Exposure	7	5	2	4	2	1	0	0	0	0	0	2	1	3	1	0	1	3	0	0	0	2	0	1	0
Falling	332	159	173	25	21	84	106	49	46	1	0	127	150	32	23	23	12	9	11	5	6	2	3	2	2
Miscellaneous	5	4	1	0	0	2	0	2	1	0	0	1	1	3	0	1	0	2	0	1	0	0	0	1	0
Poisoning	496	332	164	195	106	130	56	5	2	2	0	154	79	178	85	115	53	63	32	23	17	18	4	22	11
Undetermined	16	9	7	1	1	5	1	3	5	0	0	8	6	1	1	1	1	0	0	0	0	0	0	0	0
Total	**927**	**551**	**376**	**247**	**142**	**240**	**177**	**61**	**57**	**3**	**0**	**312**	**252**	**239**	**124**	**152**	**74**	**87**	**50**	**31**	**26**	**25**	**9**	**31**	**15**

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	14	8	6	3	1	5	3	0	2	0	0	6	4	2	2	1	1	1	1	0	0	0	1	1	0
Drowning	7	5	2	2	1	3	1	0	0	0	0	2	0	3	2	3	2	0	0	0	0	0	0	0	0
Foreign Object	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
Hanging	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
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
Suffocation	21	12	9	7	5	5	4	0	0	0	0	4	5	8	4	4	2	4	2	2	2	1	0	1	0
Burning:																									
Fire/Explosion	7	4	3	3	1	1	1	0	1	0	0	3	1	1	2	0	0	1	2	0	1	0	1	1	0
Scalding	1	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	1	0
Carbom Monoxide:																									
Auto Exhaust	2	2	0	2	0	0	0	0	0	0	0	1	0	1	0	0	0	1	0	0	0	1	0	0	0
Fire	16	8	8	4	4	3	4	1	0	0	0	3	5	5	3	3	2	2	1	0	0	1	0	1	1
Exposure:																									
Cold	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
GrandTotal	**47**	**23**	**24**	**10**	**9**	**10**	**12**	**3**	**3**	**0**	**0**	**9**	**10**	**14**	**14**	**12**	**11**	**2**	**3**	**0**	**0**	**1**	**1**	**1**	**2**

***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: Amitriptyline	2	2	0	0	0	2	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0
Amphetamine	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
Cocaethylene	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	35	20	15	16	14	3	1	1	0	0	0	10	8	10	7	6	5	4	2	0	1	2	1	2	0
Difluoroethane	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
Ethanol	1	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Fentanyl	28	25	3	18	1	7	2	0	0	0	0	11	2	14	1	5	0	9	1	3	1	2	0	4	0
Fluorofentanyl	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
Methamphetamine	9	4	5	3	4	1	1	0	0	0	0	2	2	2	3	2	1	0	2	0	2	0	0	0	0
Opiate(s)	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
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
Unspecified Drug(s)	2	2	0	1	0	1	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
Two or More Chemical Agents: Acetaminophen, Benzodiazepines, Carisoprodol, Codeine, Hydrocodone	1	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0
Acetyl Fentanyl Methamphetamine, Xylazine	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
Acetyl Fentanyl, Benzlfentanyl, Carfentanil, Clonazepam, Fentanyl, Fluorofentanyl	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, O/M/P-Fluorofentanyl, 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
Acetyl Fentanyl, Cocaine, Diphenhydramine, Etizolam, Fentanyl, Fluorofentanyl, Fluoxetine, Morphine, Tramadol	1	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0
Acetyl Fentanyl, Cocaine, Diphenhydramine, Fentanyl, Fluorofentanyl, 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	5	4	1	3	1	1	0	0	0	0	0	0	0	4	1	1	0	3	1	2	1	1	0	0	0
Acetyl Fentanyl, Cocaine, Fentanyl, Fluorofentanyl	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, Fluorofentanyl, 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
Acetyl Fentanyl, Cocaine, Fentanyl, Fluorofentanyl, Heroin	1	0	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Acetyl Fentanyl, Cocaine, Fentanyl, Gabapentin, Metonitazene, O/M/P-Fluorofentanyl	1	0	1	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	1
Acetyl Fentanyl, Cocaine, Fentanyl, Heroin, O/M/P-Fluorofentanyl	2	2	0	0	0	1	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0
Acetyl Fentanyl, Dextromethorphan, 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, Diazepam, Fentanyl, Hydrocodone	1	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0

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, Diphenhydramine, Etizolam, Fentanyl, Fluorofentanyl, Mirtazapine	2	2	0	1	0	0	0	1	0	0	0	1	0	1	0	0	0	1	0	0	0	1	0	0	0
Acetyl Fentanyl, Diphenhydramine, Fentanyl, Fluorofentanyl, Gabapentin, Isotonitazene, Methamphetamine	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
Acetyl Fentanyl, Diphenhydramine, Fentanyl, Gabapentin, Phenobarbital, 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
Acetyl Fentanyl, Diphenhydramine, Fentanyl, Methamphetamine, Metonitazene, Morphine	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, Diphenhydramine, Fentanyl, Morphine, Valeryl Fentanyl	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0
Acetyl Fentanyl, Diphenhydramine, Fentanyl, O/M/P-Fluorofentanyl	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, 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
Acetyl Fentanyl, Fentanyl	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
Acetyl Fentanyl, Fentanyl, Fluorofentanyl	2	1	1	0	1	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
Acetyl Fentanyl, Fentanyl, Fluorofentanyl, Gabapentin	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
Acetyl Fentanyl, Fentanyl, Fluorofentanyl, Heroin, Isotonitazene, Methamphetamine, Tramadol	1	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0
Acetyl Fentanyl, Fentanyl, Fluorofentanyl, Heroin, Methamphetamine, Oxazepam	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
Acetyl Fentanyl, Fentanyl, Fluorofentanyl, Methadone, Methamphetamine, Metonitazene, Xylazine	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, Fentanyl, Fluorofentanyl, Methamphetamine	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
Acetyl Fentanyl, Fentanyl, Gabapentin, Xylazine	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
Acetyl Fentanyl, Fentanyl, Lorazepam	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, 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
Acetyl Fentanyl, Fentanyl, Morphine, O/M/P-Fluorofentanyl	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
Acetyl Fentanyl, Fentanyl, Xylazine	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
Alprazolam, Amitriptyline, Diazepam, Diphenhydramine, 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
Alprazolam, Citalopram, 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
Alprazolam, Clonazepam, Fentanyl, Gabapentin, Methadone, Metonitazene, Tramadol	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, Clonazepam, Fentanyl, Methadone, Metonitazene	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

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
Alprazolam, Cocaine, Diphenhydramine, Fentanyl	1	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Alprazolam, Cocaine, Diphenhydramine, Fentanyl, Fluorofentanyl	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
Alprazolam, Cocaine, Diphenhydramine, Fentanyl, O/M/P-Fluorofentanyl	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
Alprazolam, Cocaine, Fentanyl, Fluorofentanyl, Gabapentin, Phenobarbital	1	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Alprazolam, Cocaine, Fentanyl, Heroin, Isotonitazene	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
Alprazolam, Cocaine, Fentanyl, Methamphetamine	1	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Alprazolam, Cocaine, Gabapentin, Trazodone	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
Alprazolam, Diphenhydramine, Fentanyl, Gabapentin, 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
Alprazolam, Etizolam, Fentanyl, Gabapentin, Methadone, Triazolam	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	4	3	1	0	0	3	1	0	0	0	0	1	1	2	0	2	0	0	0	0	0	0	0	0	0
Alprazolam, Fentanyl, Fluorofentanyl, Sertraline	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, Fentanyl, Gabapentin	2	2	0	1	0	1	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
Alprazolam, Fentanyl, Gabapentin, 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
Alprazolam, Fentanyl, Methamphetamine	1	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Alprazolam, Hydrocodone, Morphine	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0
Amitriptyline, Buprenorphine, Cocaine, Fluoxetine	1	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Amitriptyline, Clonazepam, Fentanyl, Flualprazolam, Fluorofentanyl	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
Amitriptyline, Clonazepam, Fentanyl, Gabapentin, Oxycodone	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
Amitriptyline, 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
Amitriptyline, Cocaine, Fentanyl, Fluorofentanyl, Heroin, Oxycodone	1	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0
Amitriptyline, 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
Amphetamine, Bupropion, Cocaine, Fentanyl, Gabapentin	1	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Amphetamine, Chlorpheniramine, Dextromethorphan, Fentanyl, Fluorofentanyl	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
Amphetamine, Citalopram, Clonazepam, Fentanyl, Gabapentin, Hydrocodone, Oxycodone	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0

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
Amphetamine, Cocaine, Fentanyl	2	1	1	0	0	1	1	0	0	0	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0
Amphetamine, Codeine, Morphine	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0
Amphetamine, Fentanyl	1	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Amphetamine, 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
Amphetamine, Fentanyl, Heroin, Isotonitazene	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
Amphetamine, Fentanyl, Pregabalin	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, Gabapentin, 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
Amtriptyline, Diphenhydramine, 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
Benzodiazepines, Diphenhydramine, Doxepin, Trazodone	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
Benzodiazepines, Fentanyl, Gabapentin, 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
Benzodiazepines, Fentanyl, Metonitazene, Venlafaxine	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
Benzyl Fentanyl, Clonazepam, Diazepam, 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
Bromazolam, Cocaine, 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
Bromazolam, 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
Bupropion, Clonazepam, Escitalopram, Mitragynine	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
Butalbital, Fentanyl, Lorazepam	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
Carbamazepine, Fentanyl, Heroin, Isotonitazene	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
Chlorpheniramine, Dextromethorphan, Diphenhydramine	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
Chlorpheniramine, Dextromethorphan, Diphenhydramine, Etodesnitazene, Methamphetamine	1	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Citalopram, Fentanyl, Fluorofentanyl, 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
Citalopram, Fentanyl, Gabapentin, Lamotrigine, Methamphetamine	1	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Clonazepam, Cocaine, Fentanyl, Hydrocodone	1	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0
Clonazepam, Dextromethorphan, 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
Clonazepam, Dextromethorphan, 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
Clonazepam, Diazepam, Fentanyl, Fluorofentanyl	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
Clonazepam, Fentanyl	2	1	1	0	1	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
Clonazepam, Fentanyl, Gabapentin, Isotonitazene	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, Acetyl Fentanyl, Fentanyl, Fluorofentanyl, Isotonitazene	1	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Cocaine, Diazepam, 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, Diphenhydramine, Fentanyl	3	2	1	2	0	0	1	0	0	0	0	0	0	2	1	2	1	0	0	0	0	0	0	0	0
Cocaine, Diphenhydramine, Fentanyl, Fluorofentanyl, 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
Cocaine, Diphenhydramine, Fentanyl, Fluorofentanyl, Heroin, Isotonitazene	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
Cocaine, Diphenhydramine, Fentanyl, Fluorofentanyl, Valeryl Fentanyl	1	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	1
Cocaine, Diphenhydramine, Fentanyl, Fluoxetine	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, Fentanyl, Gabapentin, Methamphetamine, Xylazine	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, Diphenhydramine, Fentanyl, Isotonitazene	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	21	15	6	8	5	7	1	0	0	0	0	6	3	9	3	7	1	2	2	0	1	1	0	1	1
Cocaine, Fentanyl, Dextromethorphan, 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
Cocaine, Fentanyl, Fluorofentanyl	5	2	3	1	2	1	1	0	0	0	0	1	3	1	0	1	0	0	0	0	0	0	0	0	0
Cocaine, Fentanyl, Fluorofentanyl, Etizolam	1	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Cocaine, Fentanyl, Fluorofentanyl, Gabapentin	3	1	2	1	1	0	1	0	0	0	0	0	1	1	1	0	0	1	1	0	1	1	0	0	0
Cocaine, Fentanyl, Fluorofentanyl, Gabapentin, Isotonitazene, Methamphetamine	1	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Cocaine, Fentanyl, Fluorofentanyl, Gabapentin, Methamphetamine, Metonitazene, Morphine	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, Fentanyl, Fluorofentanyl, Gabapentin, Trazodone	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
Cocaine, Fentanyl, Fluorofentanyl, Heroin	1	0	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Cocaine, Fentanyl, Fluorofentanyl, 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
Cocaine, Fentanyl, Fluorofentanyl, Methamphetamine	4	4	0	2	0	2	0	0	0	0	0	3	0	1	0	0	0	1	0	0	0	1	0	0	0
Cocaine, Fentanyl, Fluorofentanyl, Methamphetamine, Oxycodone	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
Cocaine, Fentanyl, Fluorofentanyl, 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
Cocaine, Fentanyl, Fluorofentanyl, Oxycodone	1	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Cocaine, Fentanyl, Fluoxetine, Gabapentin	1	0	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0
Cocaine, Fentanyl, Fluoxetine, Isotonitazene	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, Fentanyl, Gabapentin	3	2	1	1	1	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	1	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
Cocaine, Fentanyl, Gabapentin, 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
Cocaine, Fentanyl, Heroin, Isotonitazene	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
Cocaine, Fentanyl, Isotonitazene, Methamphetamine	1	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Cocaine, Fentanyl, 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
Cocaine, Fentanyl, Methamphetamine	2	2	0	1	0	1	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
Cocaine, Fentanyl, Methamphetamine, O/M/P-Fluorofentanyl	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, Metonitazene	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
Cocaine, Fentanyl, O/M/P-Fluorofentanyl, 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
Cocaine, Fentanyl, Oxycodone	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
Cocaine, Fluorofentanyl	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, Fluoxetine	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
Cocaine, Methamphetamine	1	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Cocaine, Opiate(s)	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
Cyclobenzaprine, Fentanyl, Gabapentin	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
Dextromethorphan, Diphenhydramine, Fentanyl, Fluorofentanyl, Ketamine, Methamphetamine	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
Diazepam, Fentanyl	2	1	1	0	0	1	1	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0
Diazepam, Fentanyl, Fluorofentanyl, Isotonitazene, 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
Diazepam, Fentanyl, Fluorofentanyl, Metonitazene	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
Diazepam, Fentanyl, Metonitazene	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
Diphenhydramine, Doxepin, Fentanyl, Gabapentin, 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
Diphenhydramine, Etizolam, Fentanyl, Heroin, O/M/P-Fluorofentanyl, Xylazine	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
Diphenhydramine, Fentanyl	3	2	1	0	1	2	0	0	0	0	0	2	0	0	1	0	1	0	0	0	0	0	0	0	0
Diphenhydramine, Fentanyl, Fluorofentanyl, 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
Diphenhydramine, Fentanyl, Fluorofentanyl, Gabapentin, Heroin, Methadone	1	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	1
Diphenhydramine, Fentanyl, Fluorofentanyl, Heroin, Isotonitazene	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

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, Fluorofentanyl, Tramadol	2	2	0	1	0	1	0	0	0	0	0	1	0	1	0	0	0	1	0	0	0	0	0	1	0
Diphenhydramine, 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
Diphenhydramine, Fentanyl, Gabapentin, Methamphetamine, O/M/P-Fluorofentanyl	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
Diphenhydramine, Fentanyl, Hydroxyzine	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
Diphenhydramine, Fentanyl, Methamphetamine, Metonitazene	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
Diphenhydramine, Fentanyl, Oxycodone	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
Diphenhydramine, Fentanyl, Trazodone, Xylazine	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	0	1	0
Diphenhydramine, Fentanyl, Xylazine	1	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0
Diphenhydramine, Gabapentin, Trazodone	1	0	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Diphenydramine, Fentanyl, Fluorofentanyl	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
Doxepin, Fluoxetine, Lorazepam	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
Etizolam, Fentanyl, Fluorofentanyl, Isotonitazene, Mitragynine	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
Etizolam, Fentanyl, Gabapentin	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
Fentanyl, Flualprazolam, Methamphetamine, O/M/P-Fluorofentanyl	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, Flualprazolam, 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, Fluorofentanyl	9	9	0	5	0	4	0	0	0	0	0	8	0	1	0	0	0	1	0	1	0	0	0	0	0
Fentanyl, Fluorofentanyl, Fluoxetine, Tramadol	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
Fentanyl, Fluorofentanyl, 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, Fluorofentanyl, Heroin, Metonitazene, Xylazine	1	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Fentanyl, Fluorofentanyl, Hydrocodone	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
Fentanyl, Fluorofentanyl, Isotonitazene	2	1	1	0	0	1	1	0	0	0	0	0	0	1	1	0	1	1	0	0	0	1	0	0	0
Fentanyl, Fluorofentanyl, 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
Fentanyl, Fluoxetine	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, Fluoxetine, 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
Fentanyl, Gabapentin	8	5	3	2	3	2	0	1	0	0	0	2	2	3	1	2	1	1	0	0	0	1	0	0	0
Fentanyl, Gabapentin, O/M/P-Fluorofentanyl	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

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
Fentanyl, Gabapentin, Zolpidem	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
Fentanyl, Heroin	1	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Fentanyl, Heroin, Lamotrigine, Mirtazapine, Sertraline	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
Fentanyl, Hydrocodone	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
Fentanyl, Isotonitazene	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
Fentanyl, Ketamine	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
Fentanyl, Lorazepam, Methamphetamine	1	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0
Fentanyl, Methadone, Phencyclidine	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
Fentanyl, Methamphetamine	3	2	1	1	1	1	0	0	0	0	0	2	0	0	1	0	1	0	0	0	0	0	0	0	0
Fentanyl, Methamphetamine, O/M/P-Fluorofentanyl	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, Metonitazene	1	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Fentanyl, O/M/P-Fluorofentanyl	3	1	2	1	1	0	1	0	0	0	0	0	0	1	2	1	1	0	1	0	0	0	0	0	1
Fentanyl, Oxycodone	4	3	1	1	1	2	0	0	0	0	0	1	1	2	0	2	0	0	0	0	0	0	0	0	0
Fluoxetine, Nortriptyline, 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
Gabapentin, Isotonitazene	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
Gabapentin, Methamphetamine	2	0	2	0	0	0	2	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	0
Gabapentin, Morphine	3	2	1	0	1	2	0	0	0	0	0	1	1	1	0	1	0	0	0	0	0	0	0	0	0
Hydrocodone, 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
Isotonitazene, Xylazine	1	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Sertraline, Zopiclone	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
Trazodone, Zolpidem	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
Combined Effects of Ethanol & Single/Multiple Chemical Agents: 2-Methyl-AP-237, Tramadol	1	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Acetyl Fentanyl, Alprazolam, Cocaine, Fentanyl, Fluorofentanyl	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

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, Carfentanil, 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, Cocaine, Fentanyl, Fluorofentanyl	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
Acetyl Fentanyl, Cocaine, Fentanyl, Fluorofentanyl, Heroin, Trazodone	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
Acetyl Fentanyl, Cocaine, Fentanyl, Fluorofentanyl, 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, Cocaine, Fentanyl, Morphine	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
Acetyl Fentanyl, Fentanyl, Cocaine, Isotonitazene	1	1	0	1	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Acetyl Fentanyl, Fentanyl, Fluorofentanyl, 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
Acetyl Fentanyl, Fentanyl, Methamphetamine, Pregabalin	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, Fentanyl, O/M/P-Fluorofentanyl	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, Xylazine	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
Alprazolam, Amphetamine, Cocaine, Fentanyl	1	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Alprazolam, Amphetamine, Diphenhydramine, Fentanyl	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	1	0
Alprazolam, Clonazepam, Cocaine, Fentanyl, Gabapentin, Venlafaxine	1	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Alprazolam, Etizolam, Fentanyl, Fluorofentanyl	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
Amitriptyline, 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
Amitriptyline, Diphenhydramine, Gabapentin	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
Amphetamine	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
Amphetamine, Buprenorphine, Cocaine, Diphenhydramine, Lamotrigine, Phenylpropanolamine, Tramadol	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
Amphetamine, Cocaine, Fentanyl, Fluorofentanyl	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
Benzodiazepines, Cocaine, Fentanyl, Methamphetamine	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
Benzodiazepines, Fentanyl, Methamphetamine, Oxycodone, Trazodone	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
Benzodiazepines, Opiates	1	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Butalbital, Morphine	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
Carfentanil, Fentanyl, Gabapentin, Morphine	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
Citalopram, 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

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
Citalopram, 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
Clonazepam, Cocaine, Fentanyl, Gabapentin, Hydrocodone	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
Clonazepam, Cyclobenzaprine, Diphenhydramine, 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
Clonazepam, Diphenhydramine, Fentanyl, Fluorofentanyl, Methamphetamine	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
Clonazepam, Fentanyl, Gabapentin	1	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Cocaine	13	7	6	2	5	5	0	0	1	0	0	5	4	2	2	0	2	2	0	1	0	0	0	1	0
Cocaine, Dextromethorphan, Fentanyl, Lidocaine	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
Cocaine, Diazepam	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
Cocaine, Diphenhydramine, Dextromethorphan, Fentanyl, Xylazine	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
Cocaine, Diphenhydramine, Fentanyl	2	1	1	0	1	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0
Cocaine, Diphenhydramine, Fentanyl, Fluorofentanyl	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
Cocaine, Diphenhydramine, Fentanyl, Isotonitazene	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
Cocaine, Diphenhydramine, Fentanyl, Isotonitazene, 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
Cocaine, Fentanyl	25	20	5	15	5	5	0	0	0	0	0	11	3	9	2	7	2	2	0	1	0	1	0	0	0
Cocaine, Fentanyl, Fluorofentanyl	5	5	0	2	0	3	0	0	0	0	0	4	0	1	0	1	0	0	0	0	0	0	0	0	0
Cocaine, Fentanyl, Fluorofentanyl, 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
Cocaine, Fentanyl, Fluoxetine	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
Cocaine, 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
Cocaine, Fentanyl, Gabapentin, Methamphetamine	1	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Cocaine, Fentanyl, Gabapentin, Morphine	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
Cocaine, Fentanyl, Heroin, Methamphetamine, Sertraline	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
Cocaine, Fentanyl, Methamphetamine	2	1	1	1	0	0	1	0	0	0	0	0	1	1	0	0	0	1	0	0	0	0	0	1	0
Cocaine, Fentanyl, Methamphetamine, Metonitazene	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, Fentanyl, Methamphetamine, O/M/P-Fluorofentanyl	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, Metonitazene	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

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
Cocaine, Fentanyl, Metonitazene	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
Cocaine, Fentanyl, O/M/P-Fluorofentanyl	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, Phencyclidine	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, Fentanyl, Trazodone	1	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0
Cocaine, Fentanyl, Trazodone, Venlafaxine	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
Cocaine, Gabapentin	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
Cocaine, 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
Cocaine, Lorazepam, Tramadol	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0
Cocaine, Methamphetamine	1	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Codeine, Diphenhydramine, Fentanyl, Fluorofentanyl, Isotonitazene, Methamphetamine, Metonitazene, 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
Diazepam, Sertraline, 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	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	18	16	2	12	2	4	0	0	0	0	0	8	0	8	2	6	2	2	0	1	0	1	0	0	0
Fentanyl, Fluorofentanyl	5	5	0	3	0	2	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0
Fentanyl, Fluorofentanyl, Gabapentin	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, Fluorofentanyl, Gabapentin, Mitragynine	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, Fluorofentanyl, Methamphetamine	1	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Fentanyl, Fluorofentanyl, Trazodone	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
Fentanyl, Gabapentin	3	2	1	1	1	1	0	0	0	0	0	1	1	1	0	1	0	0	0	0	0	0	0	0	0
Fentanyl, Gabapentin, Oxycodone	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
Fentanyl, Gabapentin, Venlafaxine	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
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
Fentanyl, Hydrocodone, 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
Fentanyl, Isotonitazene	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
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

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
Fentanyl, Nordiazepam, Sertraline	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0
Fentanyl, Sertraline, Trazodone	1	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gabapentin, Methadone, Oxycodone	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0
Isopropanol	1	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phencyclidine	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	0	0
Total	**496**	**332**	**164**	**195**	**106**	**130**	**56**	**5**	**2**	**2**	**0**	**154**	**79**	**178**	**85**	**115**	**71**	**63**	**47**	**23**	**17**	**18**	**4**	**22**	**11**

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	7	8	3	0	0	1	0	0	0	0	0	0	2	0	1	0	1	1	0	0	1	0	1	1	3	0	2	3	1	0	1	1	0	0	4	3	27	18	45
Burning	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	3	0	0	1	0	0	0	1	5	3	8
Carbon Monoxide	0	0	0	1	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	0	0	2	2	1	0	0	1	0	1	2	0	0	10	8	18
Exposure	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	1	0	0	1	2	1	5	2	7
Falling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	3	0	5	3	8	1	11	8	11	9	20	12	20	17	79	123	159	173	332
Miscellaneous	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	4	1	5
Poisoning	0	0	0	0	0	0	0	0	2	1	18	5	21	11	28	12	34	26	40	20	33	17	42	26	41	18	40	17	20	6	11	5	2	0	0	0	332	164	496
Undetermined	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	2	0	0	0	1	0	2	0	1	1	3	5	9	7	16
Total	**7**	**8**	**3**	**1**	**3**	**2**	**1**	**0**	**2**	**1**	**18**	**5**	**23**	**11**	**29**	**13**	**35**	**27**	**43**	**21**	**38**	**17**	**50**	**31**	**55**	**21**	**58**	**29**	**36**	**15**	**36**	**19**	**24**	**22**	**90**	**133**	**551**	**376**	**927**

TABLE 15 FALLS - ETHANOL INCIDENCE

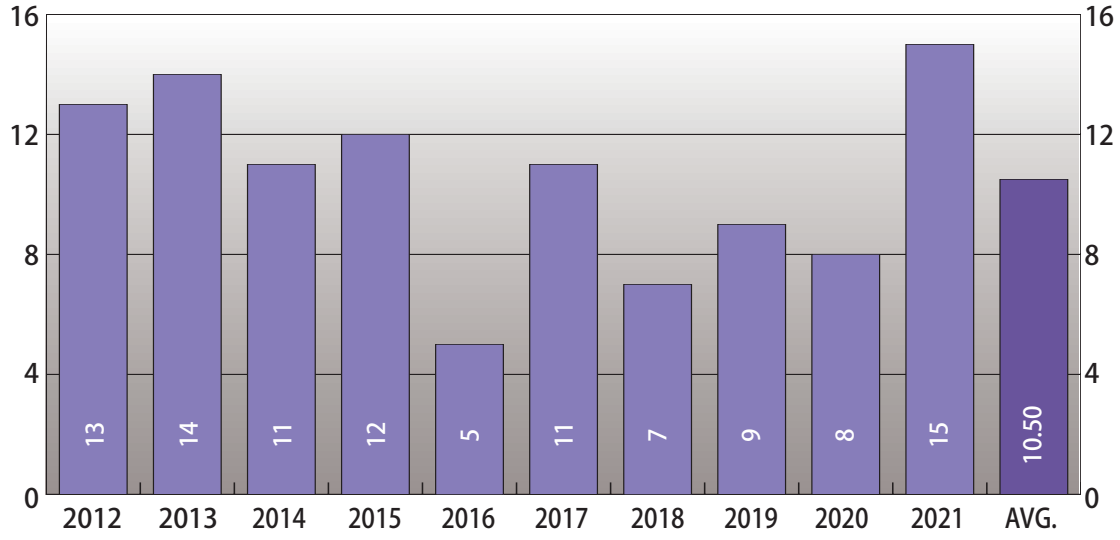
		Total		Not Tested		Tested						Stages					
						Total		Negative		Positive		≥0.01% - ≤ 0.079%		≥0.08% - < 0.17%		≥0.17%	
Falls by Type	Total	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Fall On or From Stairs or Steps	47	27	20	19	17	8	3	6	0	2	3	1	2	0	0	1	1
Fall From Ladder or Scaffolding	6	6	0	2	0	4	0	3	0	1	0	1	0	0	0	0	0
Fall From One Level to Another	18	8	10	6	7	2	3	1	1	1	2	1	1	0	1	0	0
Fall On Same Level	215	92	123	77	108	15	15	12	10	3	5	1	2	1	2	1	1
Other and Unspecified Fall	46	26	20	23	18	3	2	1	1	2	1	1	1	1	0	0	0
Total	**332**	**159**	**173**	**127**	**150**	**32**	**23**	**23**	**12**	**9**	**11**	**5**	**6**	**2**	**3**	**2**	**2**

FALLS - AGE GROUPS

TABLE 16

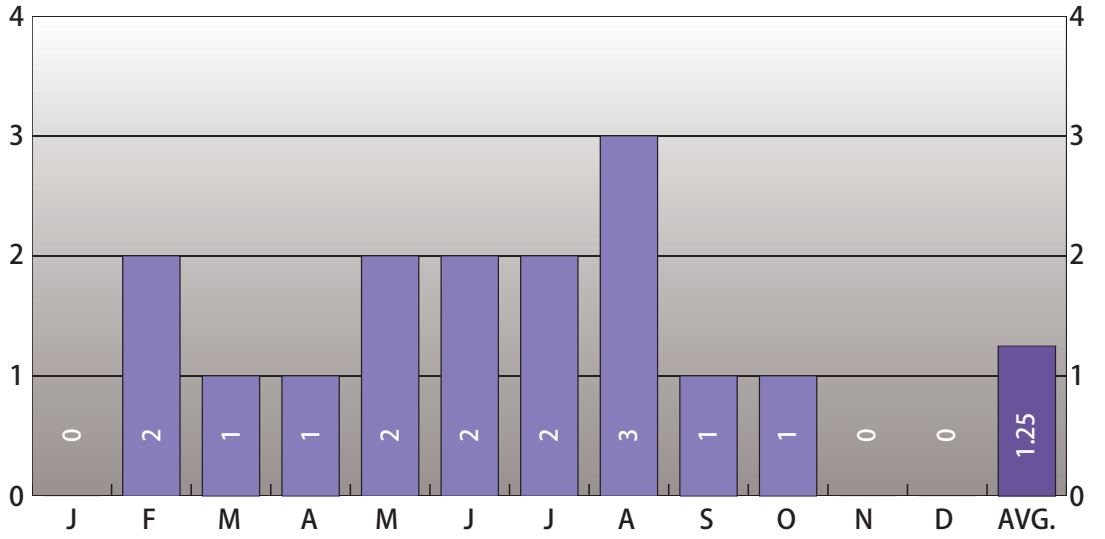
Falls by Type	< Than 1		1-4		5-9		10-14		15-19		20-24		25-29		30-34		35-39		40-44		45-49		50-54		55-59		60-64		65-69		70-74		75-79		80 and Over		Total		Grand Total
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
Fall On or From Stairs or Steps	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	0	2	1	3	0	2	2	2	3	7	1	3	4	5	9	27	20	47
Fall From Ladder or Scaffolding	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	2	0	1	0	0	0	1	0	1	0	6	0	6
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	1	0	0	1	1	0	1	1	1	1	1	1	3	6	8	10	18
Fall On Same Level	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	5	0	4	5	6	4	10	6	13	11	53	96	92	123	215
Other and Unspecified Fall	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0	2	1	1	1	2	4	2	1	17	12	26	20	46
Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**0**	**3**	**0**	**5**	**3**	**8**	**1**	**11**	**8**	**11**	**9**	**20**	**12**	**20**	**17**	**79**	**123**	**159**	**173**	**332**

2021 FATALITIES RESULTING FROM ACCIDENTS WHILE AT WORK
FOR A PERIOD OF TEN YEARS



2021
TOTAL CASES
15

2021 FATALITIES RESULTING FROM ACCIDENTS WHILE AT WORK
BY MONTH FOR THE YEAR 2021



		Number	Percent
Gender	Male	15	100.00%
	Female	0	0.00%
Race	White	10	66.67%
	Black	5	33.33%
Ethnicity	Hispanic	1	6.67%
	Non-Hispanic	14	93.33%
Ethanol	Tested	8	53.33%
	Positive	2	25.00%
Autopsied		7	46.67%

2021 FATALITIES RESULTING FROM ACCIDENTS WHILE AT WORK

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

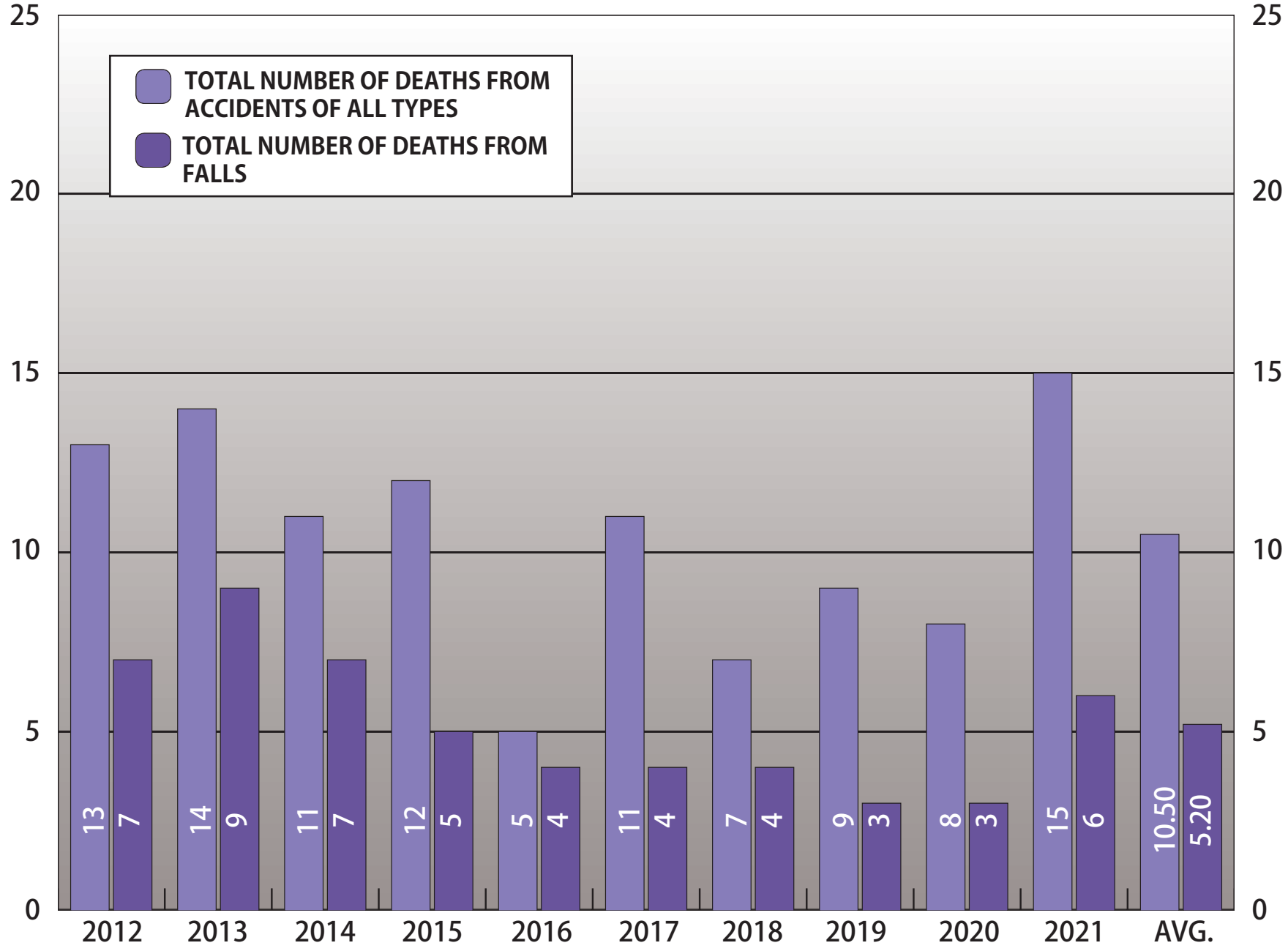


TABLE 17 MONTHLY ETHANOL INCIDENCE

		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.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Feb.	2	2	0	0	0	2	0	0	0	0	0	0	0	2	0	0	0	2	0	1	0	1	0	0	0
Mar.	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
Apr.	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
May	2	2	0	0	0	2	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0
Jun.	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
July	2	2	0	2	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
Aug.	3	3	0	3	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0
Sept.	1	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
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	**15**	**15**	**0**	**7**	**0**	**6**	**0**	**1**	**0**	**1**	**0**	**7**	**0**	**8**	**0**	**6**	**0**	**2**	**0**	**1**	**0**	**1**	**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	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
30 - 34	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
35 - 39	White	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 - 44	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
45 - 49	White	3	0	3	0	0	3	0	3	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
50 - 54	White	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	4	0	4	3	0	1	0	0	0	1	0	0	0	1	0	0	0
55 - 59	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
60 - 64	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
65 - 69	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
70 and Over	White	2	0	2	1	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
Total	White	10	1	9	3	0	7	0	6	0	1	0	1	0	0	0	0	0
	Black	5	0	5	4	0	1	0	0	0	1	0	0	0	1	0	0	0
Total		15	1	14	7	0	8	0	6	0	2	0	1	0	1	0	0	0

TABLE 19 MODE - ETHANOL INCIDENCE

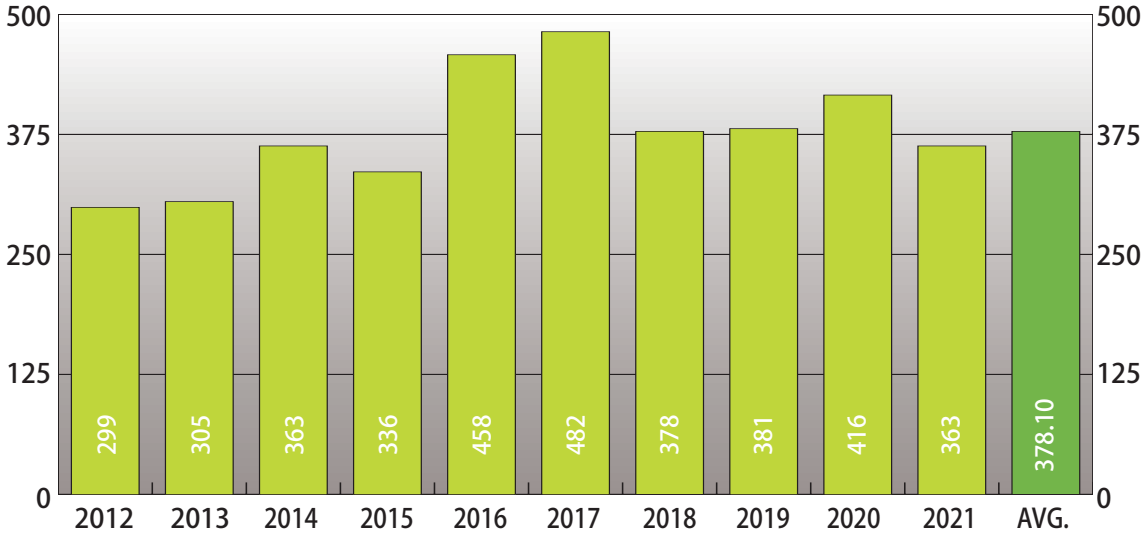
		Total		Cleveland		County		Out of County		Unknown		Not Tested		Tested						Stages					
														Total		Negative		Positive		0.01% - 0.04%		0.25% - 0.29%		0.30% or Over	
Mode	Total	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Falling: Fall From Ladder or Scaffolding	2	2	0	0	0	1	0	1	0	0	0	1	0	1	0	1	0	1	0	0	0	0	0	0	0
Fall From or Out of Building or Other Structure	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
Fall On or From Stairs or Steps	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0
Other and Unspecified Fall	1	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0
Others: Carbon Monoxide	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	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
Electrocution	2	2	0	1	0	0	0	0	0	1	0	1	0	1	0	1	0	1	0	0	0	0	0	0	0
Miscellaneous	2	2	0	1	0	1	0	0	0	0	0	1	0	1	0	0	0	1	0	0	0	1	0	0	0
Poisoning	1	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0
Struck by Object	3	3	0	2	0	1	0	0	0	0	0	2	0	1	0	1	0	2	0	0	0	0	0	0	0
Total	15	15	0	7	0	6	0	1	0	1	0	7	0	8	0	6	0	7	0	1	0	1	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	1	0	0	0	2	0	2
Fall From or Out of Building or Other Structure	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
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	0	1	0	1
Other Unspecified Fall	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
Others: Electrocution	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2	0	2
Miscellaneous	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	4	0	4
Poisoning (Overdose)	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
Struck by Object	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	3	0	3
Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**1**	**0**	**1**	**0**	**4**	**0**	**4**	**0**	**1**	**0**	**0**	**0**	**1**	**0**	**2**	**0**	**15**	**0**	**15**

2021 FATALITIES RESULTING FROM ACCIDENTS IN OTHER PLACES
FOR A PERIOD OF TEN YEARS

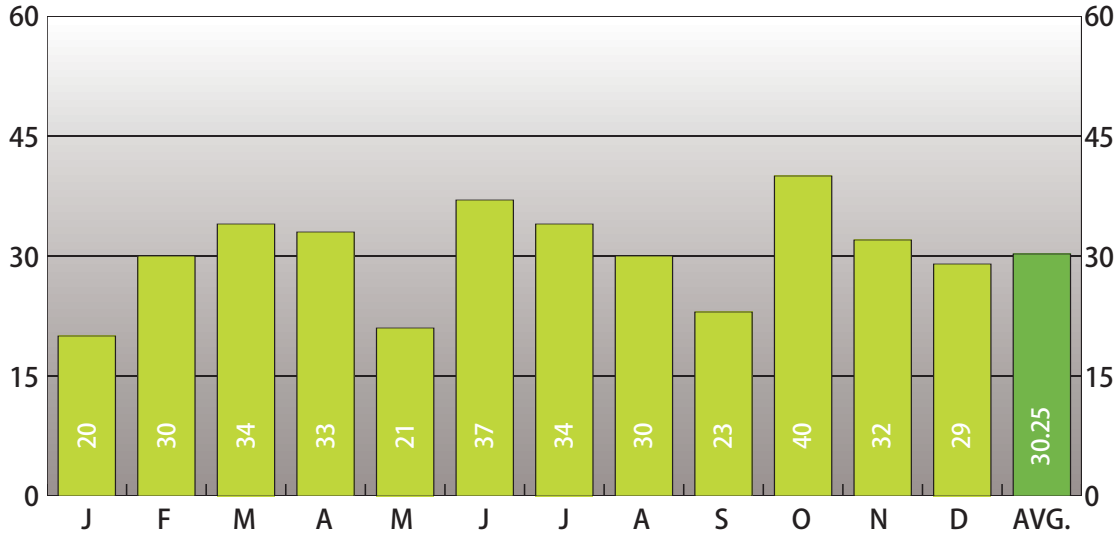


2021

TOTAL CASES

363

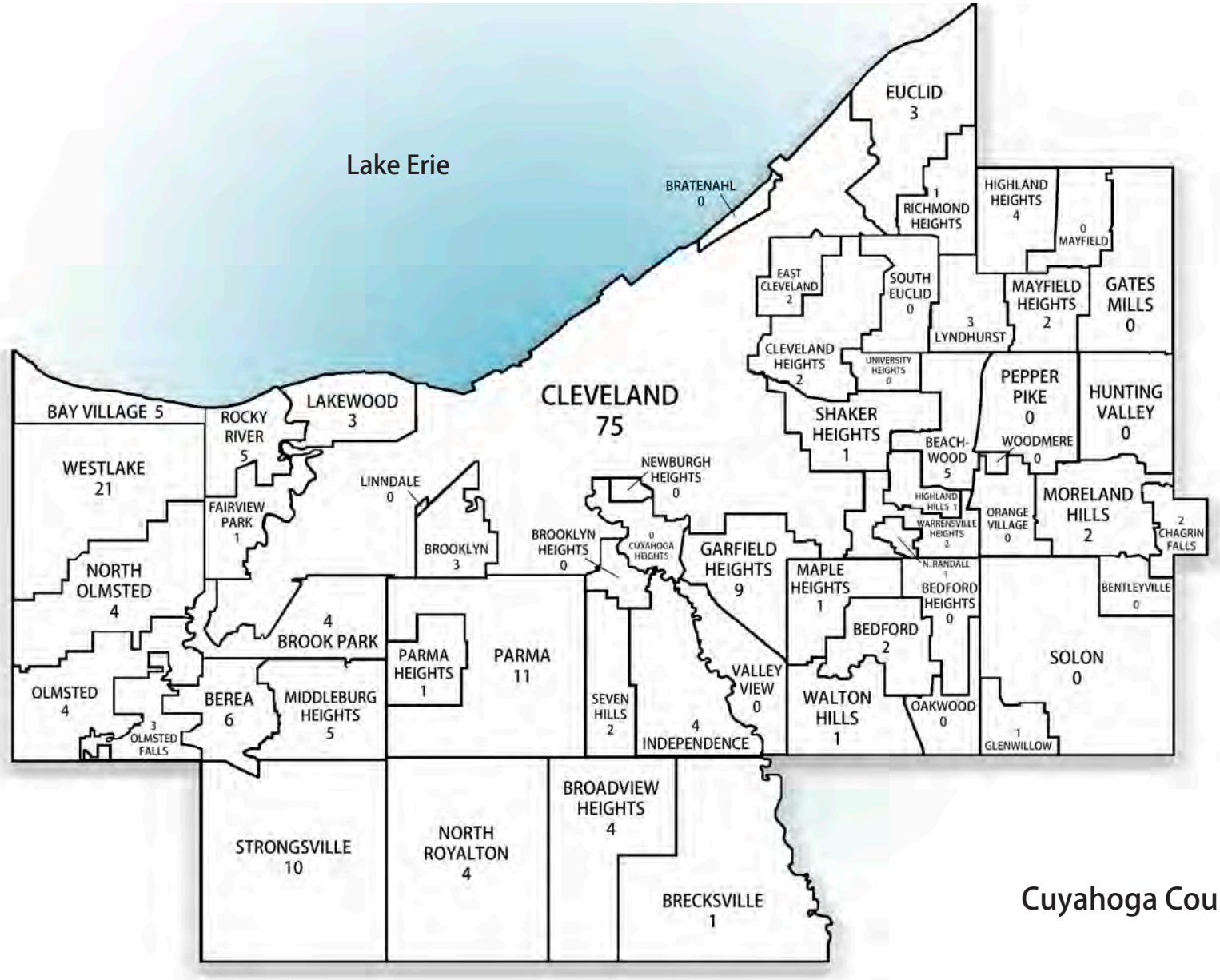
2021 FATALITIES RESULTING FROM ACCIDENTS IN OTHER PLACES
BY MONTH FOR THE YEAR 2021



		Number	Percent
Gender	Male	212	58.40%
	Female	151	41.60%
Race	White	286	78.79%
	Black	75	20.66%
	Asian	1	0.28%
	Other	1	0.28%
Ethnicity	Hispanic	10	2.75%
	Non-Hispanic	353	97.25%
Ethanol	Tested	125	34.44%
	Positive	37	29.60%
Autopsied		130	35.81%

DISTRIBUTION OF FATALITIES FROM ACCIDENTS IN OTHER PLACES BY CITY*

MAP 3



Cuyahoga County, Ohio

*Injury location is unknown for 97 cases and 45 cases are from outside of Cuyahoga County.

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

Cities			
Cleveland	75	Maple Heights	1
Bay Village	5	Mayfield Heights	2
Beachwood	5	Middleburg Heights	5
Bedford	2	North Olmsted	4
Bedford Heights	0	North Royalton	4
Berea	6	Olmsted Falls	3
Brecksville	1	Parma	11
Broadview Heights	4	Parma Heights	1
Brooklyn	3	Pepper Pike	0
Brook Park	4	Richmond Heights	1
Cleveland Heights	2	Rocky River	5
East Cleveland	2	Seven Hills	2
Euclid	3	Shaker Heights	1
Fairview Park	1	Solon	0
Garfield Heights	9	South Euclid	0
Highland Heights	4	Strongsville	10
Independence	4	University Heights	0
Lakewood	3	Warrensville Heights	2
Lyndhurst	3	Westlake	21
Villages			
Bentleyville	0	Mayfield Village	0
Bratenahl	0	Moreland Hills	2
Brooklyn Heights	0	Newburgh Heights	0
Cuyahoga Heights	0	North Randall	1
Gates Mills	0	Oakwood Village	0
Glenwillow	1	Orange Village	0
Highland Hills	1	Valley View	0
Hunting Valley	0	Walton Hills	1
Linndale	0	Woodmere	0
Townships			
Chagrin Falls	2	Olmsted Township	4

2021 FATALITIES RESULTING FROM ACCIDENTS IN OTHER PLACES

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

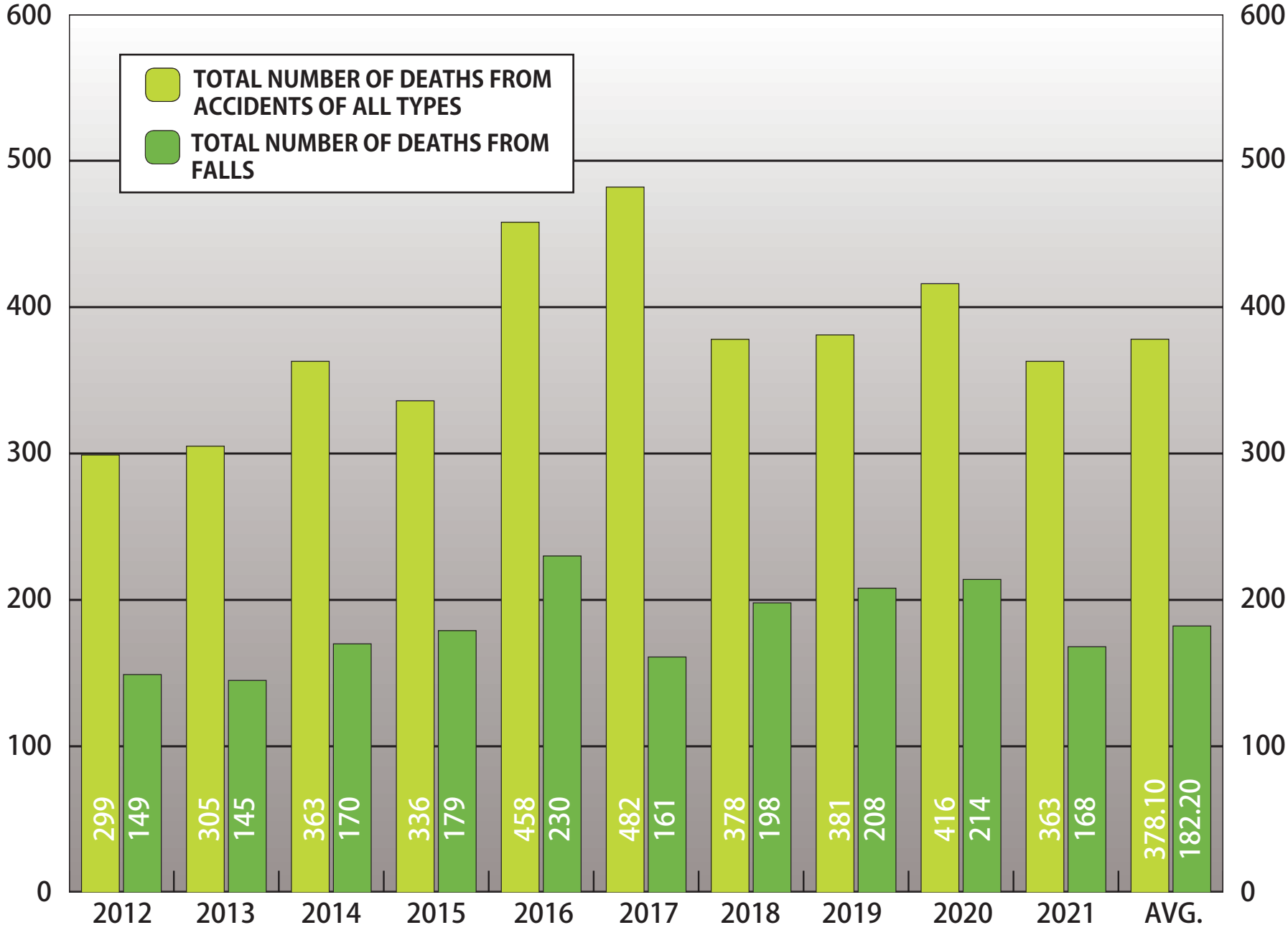


TABLE 21 MONTHLY ETHANOL INCIDENCE

		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.	20	9	11	2	1	2	3	2	2	3	5	3	7	6	4	0	0	6	4	6	4	0	0	0	0
Feb.	30	20	10	5	0	7	7	3	2	5	1	8	8	12	2	0	0	12	2	4	1	8	1	0	0
Mar.	34	23	11	7	1	6	7	3	3	7	0	8	7	15	4	5	1	10	3	0	0	1	0	9	3
Apr.	33	18	15	7	3	3	6	0	2	8	4	1	5	17	10	17	10	0	0	0	0	0	0	0	0
May	21	12	9	2	1	4	5	2	0	4	3	4	2	8	7	8	7	0	0	0	0	0	0	0	0
Jun.	37	24	13	3	1	13	10	2	0	6	2	4	5	20	8	20	8	0	0	0	0	0	0	0	0
July	34	19	15	5	2	7	6	1	5	6	2	11	11	8	4	8	4	0	0	0	0	0	0	0	0
Aug.	30	15	15	4	3	3	8	2	1	6	3	15	15	0	0	0	0	0	0	0	0	0	0	0	0
Sept.	23	12	11	3	3	4	3	2	2	3	3	12	11	0	0	0	0	0	0	0	0	0	0	0	0
Oct.	40	27	13	7	2	11	5	2	2	7	4	27	13	0	0	0	0	0	0	0	0	0	0	0	0
Nov.	32	17	15	5	2	5	11	3	1	4	1	17	15	0	0	0	0	0	0	0	0	0	0	0	0
Dec.	29	16	13	3	3	3	7	1	2	9	1	16	13	0	0	0	0	0	0	0	0	0	0	0	0
Total	**363**	**212**	**151**	**53**	**22**	**68**	**78**	**23**	**22**	**68**	**29**	**126**	**112**	**86**	**39**	**58**	**30**	**28**	**9**	**10**	**5**	**9**	**1**	**9**	**3**

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	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
	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	2	0	0	0	0	2	0	1	0	1	0	0	0	0	0	1
	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
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	3	0	3	0	0	2	1	2	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
	Other	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	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
	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	4	0	4	1	2	0	1	0	1	0	0	0	0	0	0	0	0
	Black	3	0	3	1	0	2	0	0	0	2	0	1	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
25 - 29	White	11	0	11	2	1	5	3	3	2	2	1	1	0	0	0	1	1
	Black	6	0	6	2	1	2	1	2	0	0	1	0	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
30 - 34	White	12	0	12	4		4	4	2	4	2	0	1	0	1	0	0	0
	Black	3	0	3	2		0	1	0	0	0	1	0	1	0	0	0	0
	Asian	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

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	17	1	16	5	5	6	1	5	1	1	0	1	0	0	0	0	0
	Black	3	0	3	2	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
40 - 44	White	18	1	17	8	3	5	2	3	2	2	0	1	0	1	0	0	0
	Black	10	0	10	4	0	6	0	2	0	4	0	1	0	3	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	13	1	12	7	1	4	1	2	1	2	0	0	0	1	0	1	0
	Black	6	1	5	1	1	3	1	2	0	1	1	0	1	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
50 - 54	White	13	0	13	4	4	2	3	2	2	0	1	0	1	0	0	0	0
	Black	9	2	7	2	1	6	0	4	0	2	0	0	0	1	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

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	9	0	9	5	2	2	0	2	0	0	0	0	0	0	0	0	0
	Black	8	0	8	4	0	4	0	2	0	2	0	1	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
60 - 64	White	20	0	20	6	5	7	2	7	1	0	1	0	1	0	0	0	0
	Black	4	0	4	3	0	1	0	1	0	0	0	0	0	0	0	0	0
	Asian	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65 - 69	White	9	0	9	5	2	2	0	2	0	0	0	0	0	0	0	0	0
	Black	4	0	4	2	1	1	0	0	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
	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70 - 74	White	5	0	5	3	1	0	1	0	1	0	0	0	0	0	0	0	0
	Black	6	0	6	2	2	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
	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 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	21	0	21	10	8	2	1	2	1	0	0	0	0	0	0	0	0
	Black	3	0	3	1	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
	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80 and Over	White	127	1	126	38	66	10	13	5	12	5	1	2	0	2	0	1	1
	Black	8	0	8	2	4	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	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Total	White	286	6	280	98	100	52	36	38	30	14	6	6	2	5	1	3	3
	Black	75	3	72	28	10	34	3	20	0	14	3	4	3	4	0	6	0
	Asian	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	Other	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total		**363**	**10**	**353**	**126**	**112**	**86**	**39**	**58**	**30**	**28**	**9**	**10**	**5**	**9**	**1**	**9**	**3**

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	19	8	11	2	3	6	6	0	1	0	1	2	5	6	6	5	4	1	2	0	1	0	0	1	1
Exposure	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
Falling	168	72	96	8	6	42	64	13	19	9	7	57	84	15	12	12	11	3	1	1	0	2	0	0	1
Miscellaneous	13	12	1	4	0	3	0	5	1	0	0	9	0	3	1	3	0	0	1	0	0	0	1	0	0
Poisoning	148	110	38	38	12	15	8	5	0	52	18	50	21	60	17	37	13	23	4	8	3	7	0	8	1
Undetermined	13	8	5	0	1	1	0	0	1	7	3	7	2	1	3	1	2	0	1	0	1	0	0	0	0
Total	**363**	**212**	**151**	**53**	**22**	**68**	**78**	**23**	**22**	**68**	**29**	**126**	**112**	**86**	**39**	**58**	**30**	**28**	**9**	**10**	**5**	**9**	**1**	**9**	**3**

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	3	6	1	1	2	4	0	1	0	0	2	3	1	3	0	2	1	1	0	1	0	0	1	0
Drowning	10	5	5	1	2	4	2	0	0	0	1	0	2	5	3	5	2	0	1	0	0	0	0	0	1
Exposure: Cold	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
Total	**21**	**10**	**11**	**3**	**3**	**7**	**6**	**0**	**1**	**0**	**1**	**3**	**5**	**7**	**6**	**5**	**4**	**2**	**2**	**1**	**1**	**0**	**0**	**1**	**1**

***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	0	0	1	0	1	0	0	0	0	0	0	0	0
Amphetamine	1	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Cocaine	15	13	2	5	1	2	1	1	0	5	0	4	1	9	1	3	1	6	0	1	0	2	0	3	0
Fentanyl	10	6	4	3	0	0	2	0	0	3	2	3	3	3	1	1	0	2	1	0	1	0	0	2	0
Fluorofentanyl	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
Gabapentin	2	1	1	0	1	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
Methamphetamine	4	3	1	1	0	0	0	0	0	2	1	0	0	3	1	2	0	1	1	0	1	1	0	0	0
Phencyclidine	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
Unspecified Drug(s)	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
Two or More Chemical Agents: 1, 1 difluoroethane, Methamphetamine	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
Acetyl Fentanyl, Carfentanil, Cocaine, Fentanyl, Fluorofentanyl, Isotonitazene, Metonitazene	1	0	1	0	1	0	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0
Acetyl Fentanyl, Carfentanil, Fentanyl, Fluorofentanyl, Heroin, Isotonitazene	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Acetyl Fentanyl, Clonazepam, Cocaine, Fentanyl, Gabapentin	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
Acetyl Fentanyl, Cocaine, Fentanyl	1	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Acetyl Fentanyl, Cocaine, Fentanyl, Gabapentin, O/M/P-Fluorofentanyl	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
Acetyl Fentanyl, Diphenhydramine, Fentanyl, Fluorofentanyl	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, 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
Alprazolam, Amphetamine, Clonazepam, Fentanyl, Gabapentin, Sertraline	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
Alprazolam, Cocaine, Diphenhydramine, Fentanyl, O/M/P-Fluorofentanyl	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
Alprazolam, Fentanyl, Methamphetamine	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
Amphetamine, Benzodiazepines	1	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Amphetamine, 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
Amphetamine, Opiates	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
Clonazepam, Cocaine	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
Clonazepam, Cocaine, Fentanyl, Fluorofentanyl, Gabapentin, Heroin	2	1	1	0	1	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
Clonazepam, Cocaine, Fentanyl, Trazodone	1	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Clonazepam, 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
Cocaine, Cyclobenzaprine, Lamotrigine	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, Diphenhydramine, Fentanyl, Fluorofentanyl, Methamphetamine	1	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Cocaine, Fentanyl	3	1	2	1	0	0	1	0	0	0	1	0	1	1	1	1	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
Cocaine, Fentanyl, Fluorofentanyl	4	3	1	2	1	1	0	0	0	0	0	1	1	2	0	2	0	0	0	0	0	0	0	0	0
Cocaine, Fentanyl, Fluorofentanyl, Metonitazene	1	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Cocaine, Fentanyl, Fluorofentanyl, Sertraline	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
Cocaine, Fentanyl, Heroin, O/M/P-Fluorofentanyl	1	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Cocaine, Fentanyl, Methamphetamine	1	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Cocaine, Fentanyl, Methamphetamine, O/M/P-Fluorofentanyl	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, Opiate(s)	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
Cocaine, Oxycodone	1	1	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
Diazepam, Fentanyl	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
Diazepam, Fentanyl, Fluorofentanyl, Gabapentin, Isotonitazene	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
Diphenhydramine, Etizolam, Fentanyl, Heroin, O/M/P-Fluorofentanyl, Xylazine	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, Fentanyl, Fluorofentanyl, Fluoxetine	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
Diphenhydramine, Fentanyl, Methamphetamine	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
Diphenhydramine, Fentanyl, O/M/P-Fluorofentanyl	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
Etizolam, Fentanyl, Fluorofentanyl, Metonitazene, Triazolam	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
Fentanyl, Fluorofentanyl, Isotonitazene, Methamphetamine, Metonitazene	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
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, Isotonitazene, Methamphetamine	1	0	1	0	0	0	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Fentanyl, Heroin	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
Fentanyl, Isotonitazene, Methamphetamine	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, Methamphetamine	4	3	1	1	0	1	0	0	0	1	1	2	0	1	1	1	1	0	0	0	0	0	0	0	0
Fentanyl, O/M/P-Fluorofentanyl	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, O/M/P-Fluorofentanyl, 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
Fentanyl, Oxycodone	1	0	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Fentanyl, Tramadol	1	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Gabapentin, Methamphetamine	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, Tenocyclidine	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, 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
Combined Effects of Ethanol & Single/Multiple Chemical Agents: Acetaminophen	1	1	0	0	0	0	0	0	0	1	0	0	0	1	0	1	1	0	0	0	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, Cocaine, Fentanyl, Fluorofentanyl, Heroin	1	1	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
Acetyl Fentanyl, Fentanyl, Methamphetamine, Phencyclidine	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	2	2	0	1	0	1	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0
Alprazolam, Fentanyl	1	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Alprazolam, Fentanyl, Fluorofentanyl, Heroin	1	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Amphetamine, Fentanyl	1	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Citalopram, 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
Cocaine	4	4	0	0	0	0	0	0	0	4	0	3	0	1	0	1	0	0	0	0	0	0	0	0	0
Cocaine, Clonazepam, Diazepam, 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
Cocaine, Diphenhydramine, Fentanyl, Fluorofentanyl	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, Fentanyl, Fluorofentanyl, Gabapentin	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
Cocaine, Fentanyl	9	7	2	1	0	1	0	0	0	5	2	4	2	3	0	2	0	1	0	0	0	1	0	0	0
Cocaine, Fentanyl, Fentanyl Analogues, Fluoxetine, Methamphetamine, Phencyclidine	1	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Cocaine, Fentanyl, Fentanyl Analogues, Isotonitazene, Metonitazene, Xylazine	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
Cocaine, Fentanyl, Gabapentin, Lorazepam, Zolpidem	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, Metonitazene	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
Cocaine, Fentanyl, Mitragynine	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
Diazepam, Fentanyl	1	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Etizolam, Fentanyl	1	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	0	0	1	0
Fentanyl	10	9	1	4	1	0	0	2	0	3	0	7	1	2	0	1	0	1	0	0	0	1	0	0	0
Fentanyl, Fluorofentanyl	3	2	1	0	0	1	0	1	0	0	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0
Fentanyl, Fluorofentanyl, Morphine	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
Fentanyl, Gabapentin, 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
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
Fentanyl, Methamphetamine	1	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Fentanyl, Phencyclidine	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
Fentanyl, Xylazine	1	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	1	0	0	0	0
Methadone	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
O/M/P-Fluorofentanyl	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
Unspecified Narcotic	1	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	148	110	38	38	12	15	8	5	0	52	18	50	21	60	17	37	13	23	4	8	3	7	0	8	1

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	2	0	0	2	1	1	0	0	1	0	0	0	0	1	0	0	0	0	0	0	1	2	0	1	2	0	0	0	1	0	1	1	2	8	11	19
Exposure	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	2	0	2
Falling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1	1	3	2	2	2	5	1	5	2	9	7	45	80	72	96	168
Miscellaneous	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	2	0	0	0	1	0	0	0	0	0	2	0	2	0	0	0	3	0	1	0	12	1	13
Poisoning	1	0	0	0	0	0	0	0	0	0	4	2	11	6	10	5	11	6	22	4	13	4	12	5	9	0	11	4	2	2	2	0	2	0	0	0	110	38	148
Undetermined	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	1	0	0	1	1	1	4	2	8	5	13
Total	**1**	**0**	**0**	**2**	**0**	**0**	**3**	**1**	**1**	**1**	**4**	**3**	**11**	**6**	**10**	**5**	**14**	**6**	**23**	**5**	**15**	**4**	**14**	**8**	**15**	**2**	**17**	**8**	**10**	**3**	**7**	**4**	**15**	**9**	**52**	**84**	**212**	**151**	**363**

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	15	7	8	5	7	2	1	2	1	0	0	0	0	0	0	0	0
Fall On Same Level	121	48	73	39	62	9	11	7	10	2	1	1	0	1	0	0	1
Other and Unspecified Fall	32	17	15	13	15	4	0	3	0	1	0	0	0	1	0	0	0
Total	**168**	**72**	**96**	**57**	**84**	**15**	**12**	**12**	**11**	**3**	**1**	**1**	**0**	**2**	**0**	**0**	**1**

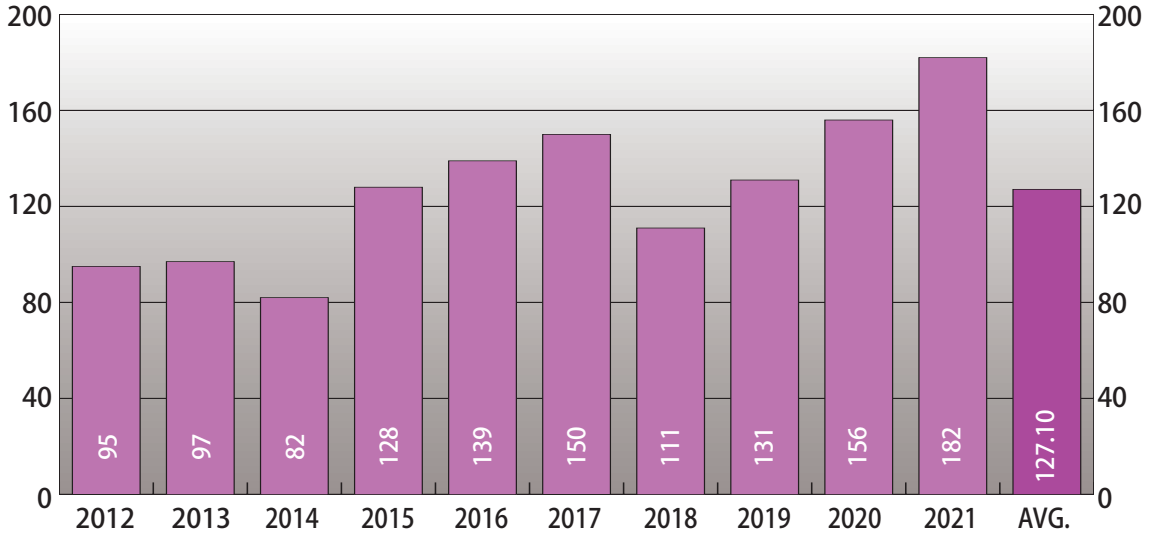
FALLS - AGE GROUPS

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	1	0	0	1	0	0	1	1	0	0	1	0	0	0	4	6	7	8	15
Fall On Same Level	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	3	0	1	0	5	1	3	2	5	5	31	64	48	73	121
Other and Unspecified Fall	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	2	0	1	0	0	1	0	4	2	10	10	17	15	32
Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**1**	**1**	**0**	**1**	**1**	**3**	**2**	**2**	**2**	**5**	**1**	**5**	**2**	**9**	**7**	**45**	**80**	**72**	**96**	**168**

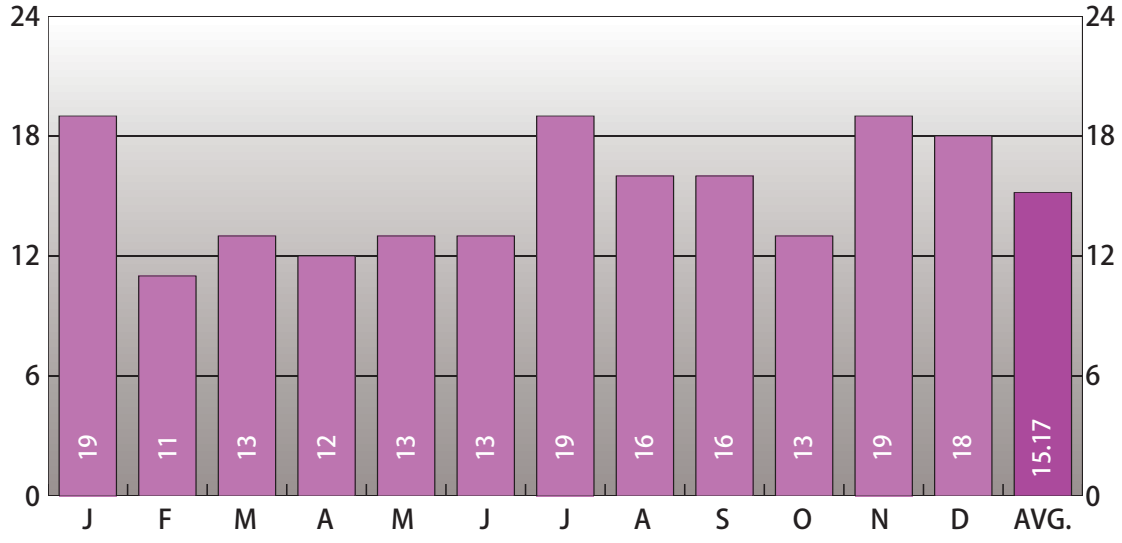
Photograph by C. Butler

2021 VEHICULAR FATALITIES
FOR A PERIOD OF TEN YEARS



2021
TOTAL CASES
182

2021 VEHICULAR FATALITIES
BY MONTH FOR THE YEAR 2021



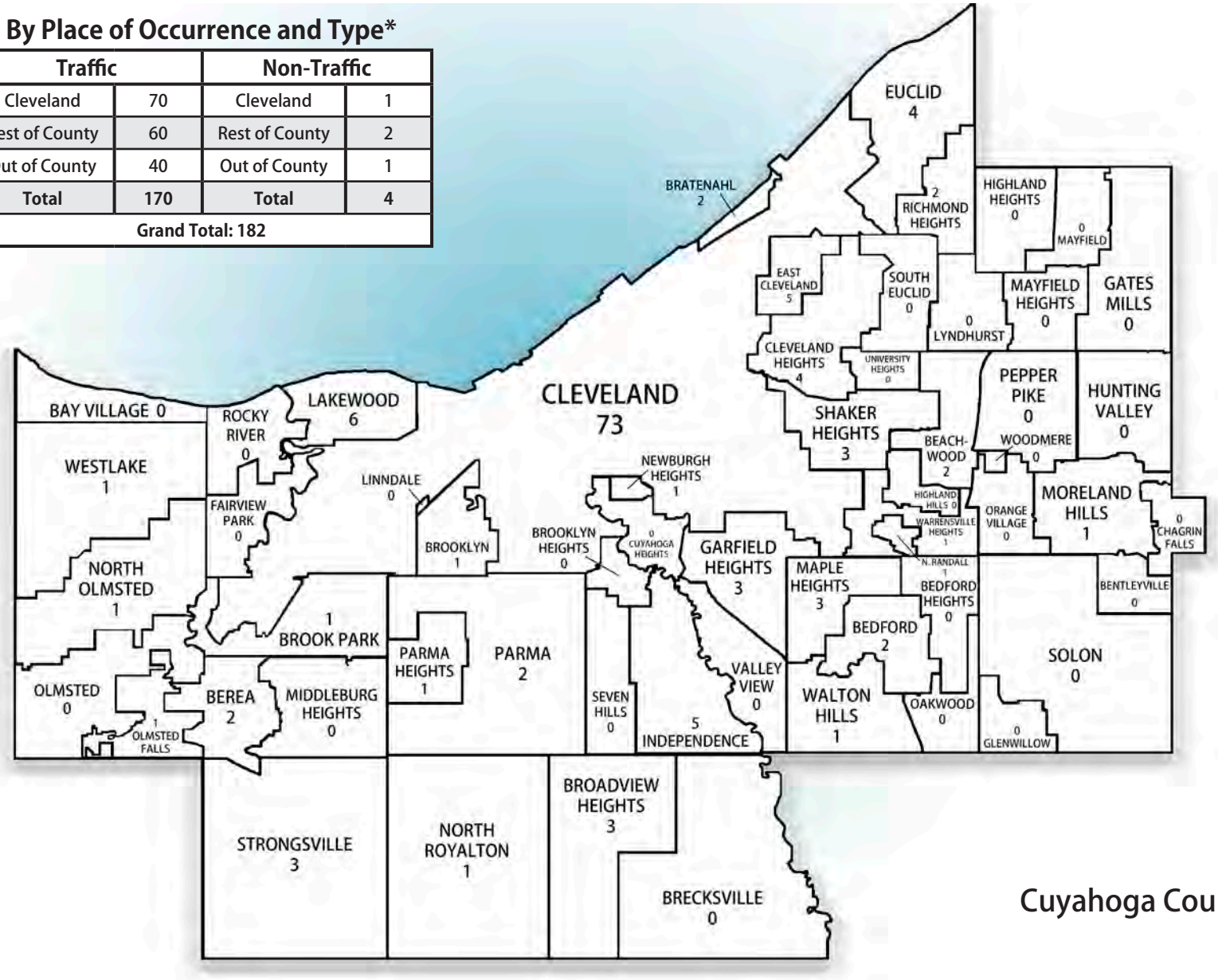
		Number	Percent
Gender	Male	135	47.87%
	Female	47	16.67%
Race	White	104	36.88%
	Black	75	26.60%
	Asian	3	1.06%
Ethnicity	Hispanic	10	3.55%
	Non-Hispanic	172	60.99%
Ethanol	Tested	76	41.76%
	Positive	34	44.74%
Autopsied		109	38.65%

MAP 4

DISTRIBUTION OF VEHICULAR FATALITIES BY LOCATION OF INJURY*

By Place of Occurrence and Type*

Traffic		Non-Traffic	
Cleveland	70	Cleveland	1
Rest of County	60	Rest of County	2
Out of County	40	Out of County	1
Total	**170**	**Total**	**4**
Grand Total: 182			



Cuyahoga County, Ohio

*Injury location and/or traffic type is unknown for 8 cases.

DISTRIBUTION OF VEHICULAR FATALITIES BY LOCATION OF INJURY*

MAP 4

Cities			
Cleveland	73	Maple Heights	3
Bay Village	0	Mayfield Heights	0
Beachwood	2	Middleburg Heights	0
Bedford	2	North Olmsted	1
Bedford Heights	0	North Royalton	1
Berea	2	Olmsted Falls	1
Brecksville	0	Parma	2
Broadview Heights	3	Parma Heights	1
Brooklyn	1	Pepper Pike	0
Brook Park	1	Richmond Heights	2
Cleveland Heights	4	Rocky River	0
East Cleveland	5	Seven Hills	0
Euclid	4	Shaker Heights	3
Fairview Park	0	Solon	0
Garfield Heights	3	South Euclid	0
Highland Heights	0	Strongsville	3
Independence	5	University Heights	0
Lakewood	6	Warrensville Heights	1
Lyndhurst	0	Westlake	1
Villages			
Bentleyville	0	Mayfield Village	0
Bratenahl	2	Moreland Hills	1
Brooklyn Heights	0	Newburgh Heights	1
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	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	Body Weight in Pounds								
	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

BAC Table for Men

Number of Drinks* per Hour	Body Weight in Pounds								
	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

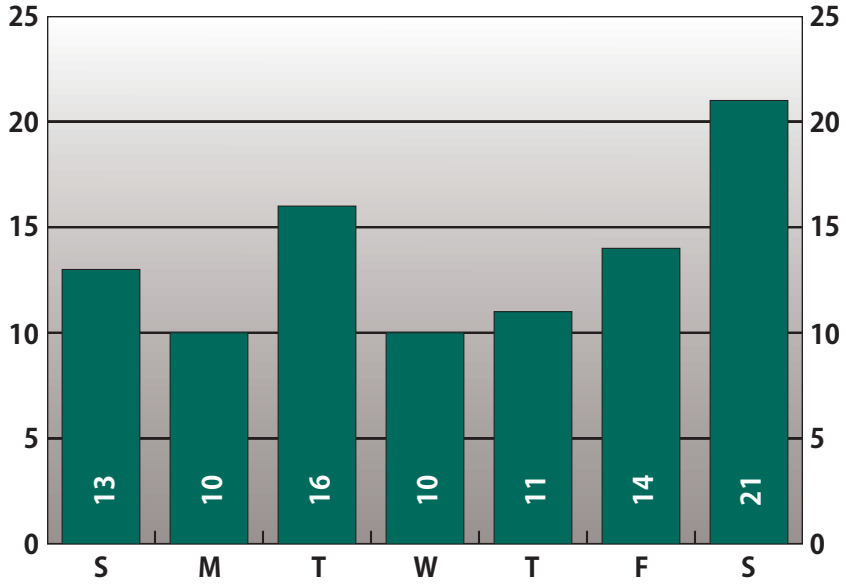
Please Note: This chart represents estimated blood concentrations for average individuals. It is not meant to be taken as a guide to alcohol consumption.

*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.

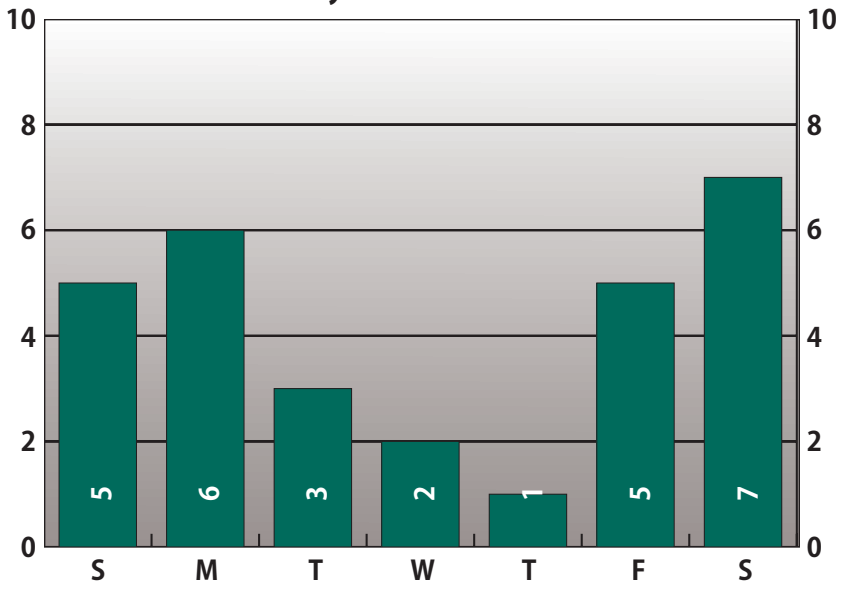
From: Virginia Polytechnic Institute and State University (http://www.alcohol.vt.edu/Students/alcoholEffects/estimatingBAC/index.htm)

DAILY INCIDENCE - MAJOR CLASSIFICATIONS

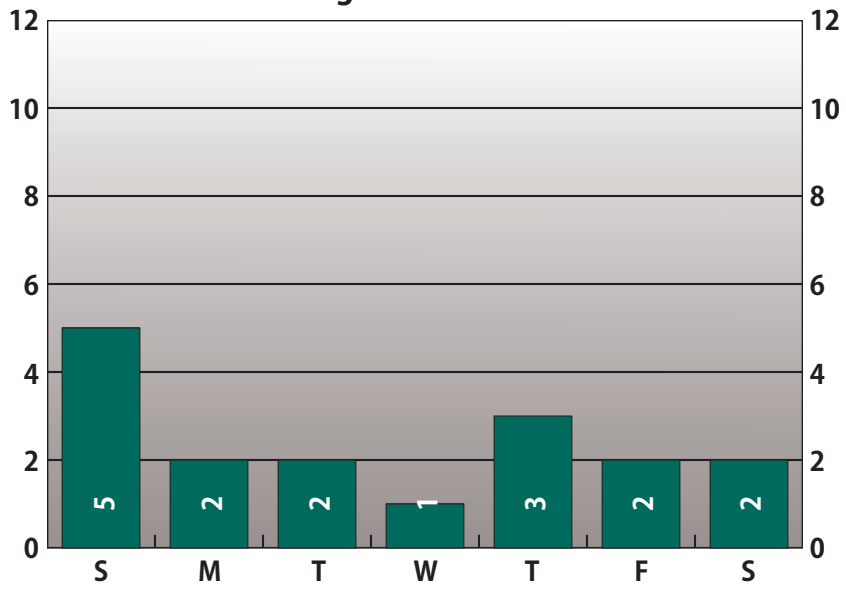
Drivers Total - 95



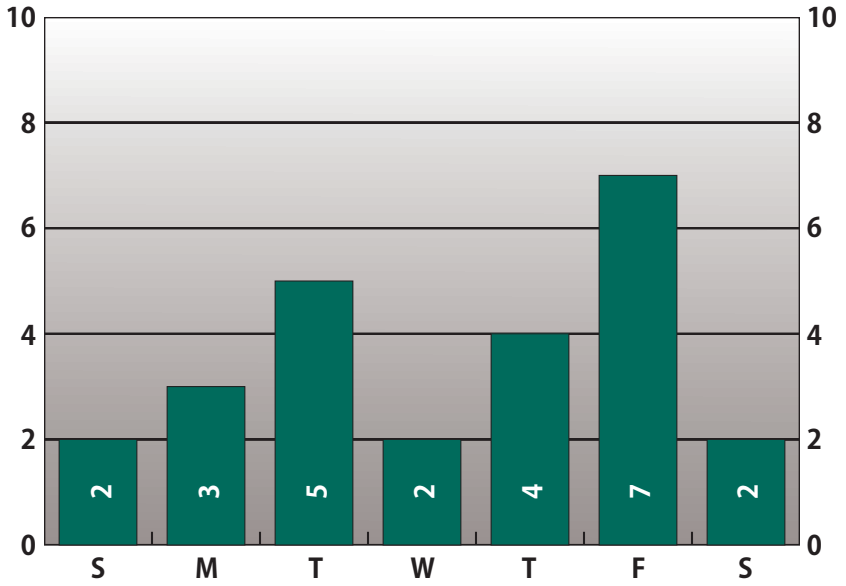
Motorcyclists Total - 29



Passengers Total - 17*



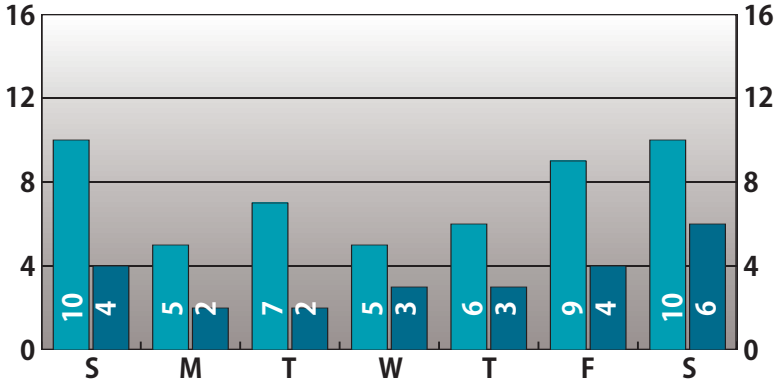
Pedestrians Total - 25*



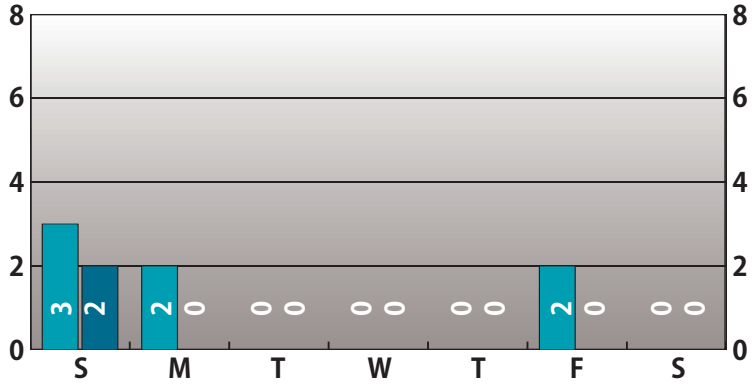
*Injury date is unknown for 3 cases.

DAILY ETHANOL INCIDENCE - MAJOR CLASSIFICATIONS

Drivers

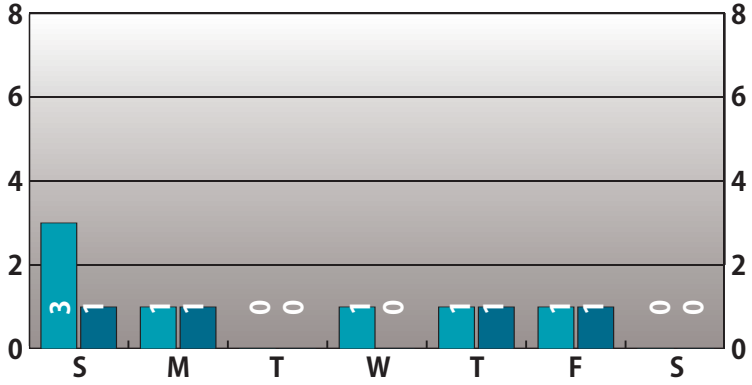


Motorcyclists

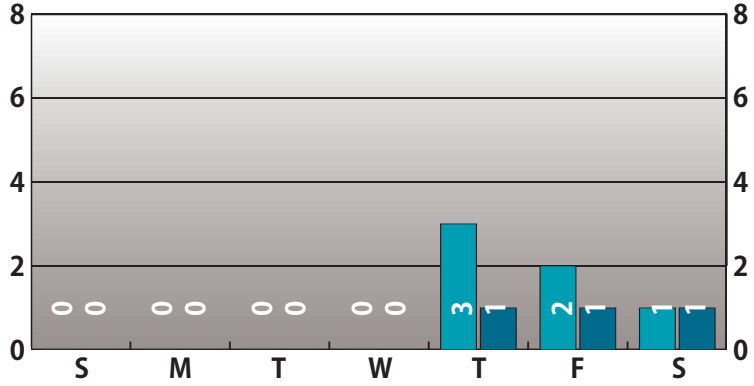


	Tested	Positive
Drivers	52	24
Motorcyclists	7	2
Passengers	8	4
Pedestrian	7	3
Total	**74**	**33**

Passengers

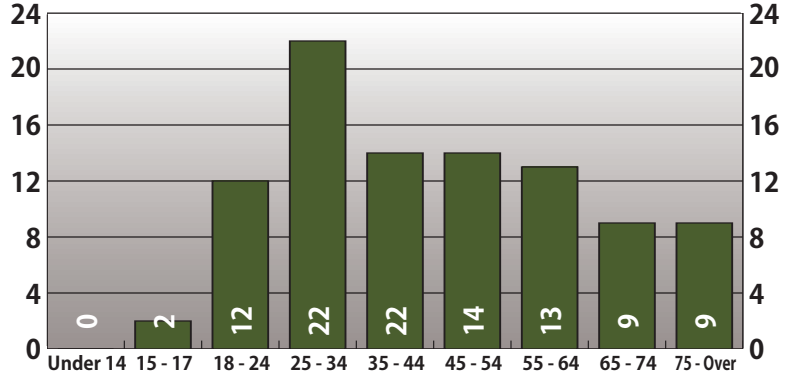


Pedestrians

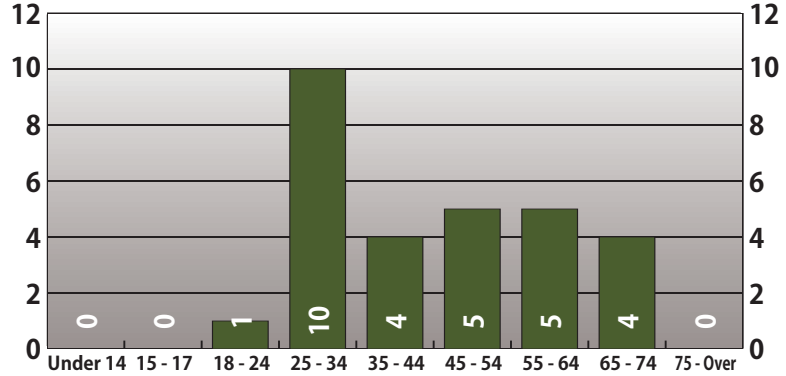


AGE GROUPS - MAJOR CLASSIFICATIONS

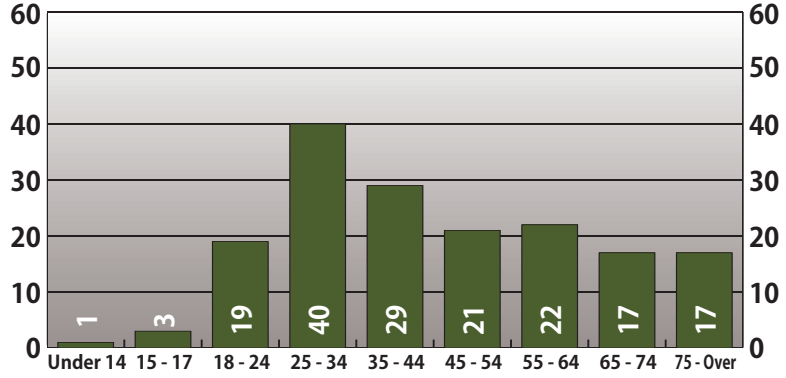
Drivers



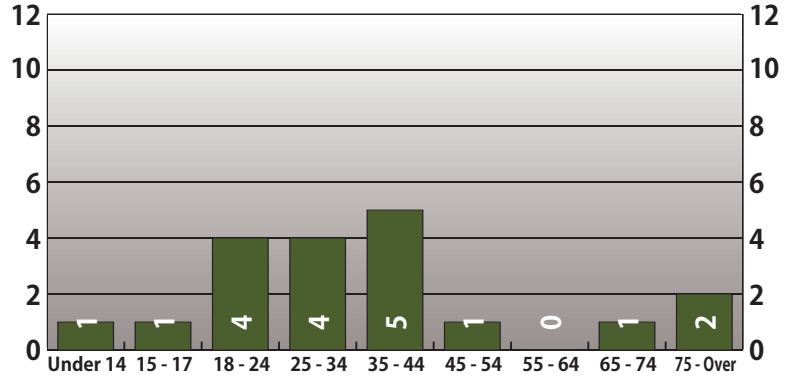
Motorcyclists



Total



Passengers



Pedestrians

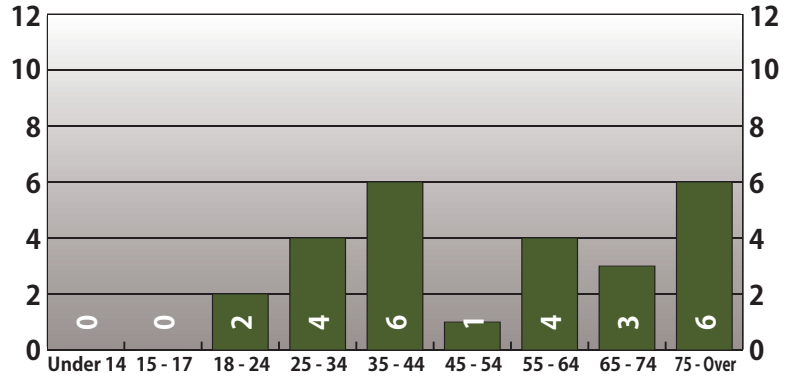


TABLE 29

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	95	70	25	23	9	23	11	24	5	0	0	35	8	35	17	15	13	20	4	10	2	5	1	5	1
Motorcyclist	29	26	3	12	2	9	0	5	1	0	0	20	2	6	1	5	0	1	1	0	0	0	0	1	1
Passenger	19	11	8	6	4	4	1	1	3	0	0	3	8	8	0	4	0	4	0	1	0	2	0	1	0
Pedestrian	26	16	10	11	3	4	7	1	0	0	0	11	8	5	2	4	0	1	2	1	1	0	1	0	0
Bicyclist	4	4	0	1	0	3	0	0	0	0	0	2	0	2	0	1	0	1	0	1	0	0	0	0	0
Unknown	9	8	1	1	1	1	0	1	0	5	0	8	1	0	0	0	0	0	0	0	0	0	0	0	0
Total	**182**	**135**	**47**	**54**	**19**	**44**	**19**	**32**	**9**	**5**	**0**	**79**	**27**	**56**	**20**	**29**	**13**	**27**	**7**	**13**	**3**	**7**	**2**	**7**	**2**

TABLE 30

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	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	1	0
15 - 17	3	3	0	1	0	2	0	0	0	0	0	1	0	2	0	1	0	1	0	1	0	0	0	0	0
18 - 24	19	15	4	5	2	6	1	4	1	0	0	7	1	8	3	4	3	4	0	1	0	2	0	1	0
25 - 34	41	29	12	14	6	7	2	8	4	0	0	16	7	13	5	8	2	5	3	2	1	0	1	3	1
35 - 44	29	22	7	11	4	5	3	6	0	0	0	9	4	13	3	8	2	5	1	3	1	1	0	1	0
45 - 54	23	17	6	9	3	7	3	0	0	1	0	12	3	5	3	0	2	5	1	2	0	2	1	1	0
55 - 64	24	18	6	7	2	6	2	5	2	0	0	14	4	4	2	2	1	2	1	1	0	1	0	0	1
65 - 74	23	20	3	4	1	7	2	6	0	3	0	14	2	6	1	4	1	2	0	2	0	0	0	0	0
75 and Older	19	10	9	3	1	3	6	3	2	1	0	6	6	4	3	2	2	2	1	1	1	1	0	0	0
Total	**182**	**135**	**47**	**54**	**19**	**44**	**19**	**32**	**9**	**5**	**0**	**79**	**27**	**56**	**20**	**29**	**13**	**27**	**7**	**13**	**3**	**7**	**2**	**7**	**2**

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.	19	14	5	3	3	6	2	5	0	0	0	1	2	13	3	0	0	13	3	13	3	0	0	0	0
Feb.	11	9	2	3	2	3	0	2	0	1	0	2	0	7	2	0	0	7	2	0	0	7	2	0	0
Mar.	13	11	2	3	1	4	1	3	0	1	0	2	0	9	2	2	0	7	2	0	0	0	0	7	2
Apr.	12	8	4	4	2	0	2	4	0	0	0	1	0	7	4	7	4	0	0	0	0	0	0	0	0
May	13	10	3	5	1	3	1	2	1	0	0	1	0	9	3	9	3	0	0	0	0	0	0	0	0
Jun.	13	10	3	4	1	3	2	3	0	0	0	2	0	8	3	8	3	0	0	0	0	0	0	0	0
July	19	12	7	5	3	4	1	3	3	0	0	9	4	3	3	3	3	0	0	0	0	0	0	0	0
Aug.	16	11	5	6	1	3	3	2	1	0	0	11	5	0	0	0	0	0	0	0	0	0	0	0	0
Sept.	16	13	3	6	2	6	1	1	0	0	0	13	3	0	0	0	0	0	0	0	0	0	0	0	0
Oct.	13	11	2	4	1	4	0	3	1	0	0	11	2	0	0	0	0	0	0	0	0	0	0	0	0
Nov.	19	14	5	7	1	3	3	3	1	1	0	14	5	0	0	0	0	0	0	0	0	0	0	0	0
Dec.	18	12	6	4	1	5	3	1	2	2	0	12	6	0	0	0	0	0	0	0	0	0	0	0	0
Total	**182**	**135**	**47**	**54**	**19**	**44**	**19**	**32**	**9**	**5**	**0**	**79**	**27**	**56**	**20**	**29**	**13**	**27**	**7**	**13**	**3**	**7**	**2**	**7**	**2**

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	26	19	7	6	3	13	4	6	3	7	1	3	0	3	0	1	1
Monday	21	13	8	7	6	6	2	3	2	3	0	1	0	2	0	0	0
Tuesday	26	21	5	17	2	4	3	2	3	2	0	1	0	0	0	1	0
Wednesday	15	9	6	6	3	3	3	3	0	0	3	0	1	0	1	0	1
Thursday	21	15	6	6	4	9	2	5	1	4	1	4	1	0	0	0	0
Friday	28	21	7	9	5	12	2	6	2	6	0	2	0	1	0	3	0
Saturday	33	26	7	19	3	7	4	2	2	5	2	2	1	1	1	2	0
Unknown	12	11	1	9	1	2	0	2	0	0	0	0	0	0	0	0	0
Total	**182**	**135**	**47**	**79**	**27**	**56**	**20**	**29**	**13**	**27**	**7**	**13**	**3**	**7**	**2**	**7**	**2**

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	0	0	1	0	0	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
15 - 17	White	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	3	0	3	1	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
18 - 24	White	12	2	10	5	0	5	2	2	2	3	0	1	0	2	0	0	0
	Black	6	0	6	1	1	3	1	2	1	1	0	0	0	0	0	1	0
	Asian	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
25 - 34	White	23	4	19	7	5	8	3	4	2	4	1	2	0	0	0	2	1
	Black	18	0	18	9	2	5	2	4	0	1	2	0	1	0	1	1	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 - 44	White	12	2	10	6	3	3	0	0	0	3	0	3	0	0	0	0	0
	Black	17	0	17	3	1	10	3	8	2	2	1	0	1	1	0	1	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 - 54	White	9	1	8	6	1	2	0	0	0	2	0	1	0	1	0	0	0
	Black	14	0	14	6	2	3	3	0	2	3	1	1	0	1	1	1	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55 - 64	White	18	0	18	9	4	3	2	1	1	2	1	1	0	1	0	0	1
	Black	5	0	5	4	0	1	0	1	0	0	0	0	0	0	0	0	0
	Asian	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0

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	17	0	17	9	2	5	1	3	1	2	0	2	0	0	0	0	0
	Black	6	0	6	5	0	1	0	1	0	0	0	0	0	0	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75 and Older	White	13	1	12	4	5	2	2	1	1	1	1	1	1	0	0	0	0
	Black	5	0	5	2	1	1	1	0	1	1	0	0	0	1	0	0	0
	Asian	1	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0
Total	White	104	10	94	46	20	28	10	11	7	17	3	11	1	4	0	2	2
	Black	75	0	75	31	7	27	10	17	6	10	4	2	2	3	2	5	0
	Asian	3	0	3	2	0	1	0	1	0	0	0	0	0	0	0	0	0
Grand Total		**182**	**10**	**172**	**79**	**27**	**56**	**20**	**29**	**13**	**27**	**7**	**13**	**3**	**7**	**2**	**7**	**0**

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	166	123	43	51	17	41	17	31	9	0	0	70	24	53	19	26	13	27	6	13	2	7	2	7	2
Traffic/Non-Collision	4	4	0	2	0	2	0	0	0	0	0	2	0	2	0	2	0	0	0	0	0	0	0	0	0
Non-Traffic/Collision	3	1	2	0	0	0	2	1	0	0	0	0	1	1	1	1	0	0	1	0	1	0	0	0	0
Non-Traffic/Non-Collision	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
Unknown	8	7	1	1	1	1	0	0	0	5	0	7	1	0	0	0	0	0	0	0	0	0	0	0	0
Total	182	135	47	54	19	44	19	32	9	5	0	79	27	56	20	29	13	27	7	13	3	7	2	7	2

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	20	13	7	7	3	4	4	2	0	0	0	6	2	7	5	4	4	3	1	0	0	3	0	0	1
Auto-Fixed Object	28	20	8	3	4	10	2	7	2	0	0	8	3	12	5	9	3	3	2	1	2	1	0	1	0
Auto-Motorcycle	8	7	1	4	1	2	0	1	0	0	0	5	0	2	1	2	0	0	1	0	0	0	0	0	1
Auto-Pedestrian	11	5	6	3	1	2	5	0	0	0	0	4	4	1	2	1	0	0	2	0	1	0	1	0	0
Auto-Truck	30	22	8	8	2	7	3	7	3	0	0	11	3	11	5	3	5	8	0	4	0	1	0	3	0
Motorcycle-Fixed Object	11	9	2	4	1	3	1	2	0	0	0	7	2	2	0	2	0	0	0	0	0	0	0	0	0
Motorcycle-Motorcycle	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
Motorcycle. Non-Collision.	2	2	0	1	0	1	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0
Motorcycle-Pedestrian	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
Motorcycle-Truck	6	5	1	1	0	2	0	2	1	0	0	5	1	0	0	0	0	0	0	0	0	0	0	0	0
Truck-Fixed Object	15	13	2	5	1	4	0	4	1	0	0	3	2	10	0	2	0	8	0	5	0	2	0	1	0
Truck. Non-Collision.	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
Truck-Pedestrian	9	6	3	3	1	2	2	1	0	0	0	4	3	2	0	1	0	1	0	1	0	0	0	0	0
Truck-Truck	14	8	6	3	3	1	2	4	1	0	0	6	4	2	2	1	1	1	1	1	0	0	1	0	0
Other Motor Vehicle Accident	12	10	2	8	1	1	0	1	1	0	0	7	2	3	0	2	0	1	0	0	0	0	0	1	0
Total	**169**	**123**	**46**	**52**	**18**	**40**	**19**	**31**	**9**	**0**	**0**	**69**	**26**	**54**	**20**	**28**	**13**	**26**	**7**	**12**	**3**	**7**	**2**	**7**	**2**

2021 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	17	12	5	7	1	3	4	2	0	0	0	6	0	6	5	4	4	2	1	0	0	2	0	0	1
Auto-Fixed Object	24	18	6	3	3	9	2	6	1	0	0	8	1	10	5	7	3	3	2	1	2	1	0	1	0
Auto-Truck	26	18	8	5	2	6	3	7	3	0	0	11	3	7	5	2	5	5	0	3	0	0	0	2	0
Truck-Fixed Object	13	12	1	4	1	4	0	4	0	0	0	3	1	9	0	1	0	8	0	5	0	2	0	1	0
Truck. Non-Collision.	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
Truck-Truck	12	7	5	2	2	1	2	4	1	0	0	5	3	2	2	1	1	1	1	1	0	0	1	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	95	70	25	23	9	23	11	24	5	0	0	35	8	35	17	15	13	20	4	10	2	5	1	5	1

2021 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	8	7	1	4	1	2	0	1	0	0	0	5	0	2	1	2	0	0	1	0	0	0	0	0	1
Motorcycle-Fixed Object	10	9	1	4	1	3	0	2	0	0	0	7	1	2	0	2	0	0	0	0	0	0	0	0	0
Motorcycle-Motorcycle	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
Motorcycle. Non-Collision.	2	2	0	1	0	1	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0
Motorcycle-Pedestrian	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
Motorcycle-Truck	6	5	1	1	0	2	0	2	1	0	0	5	1	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	0	0
Total	29	26	3	12	2	9	0	5	1	0	0	20	2	6	1	5	0	1	1	0	0	0	0	1	1

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	3	1	2	0	2	1	0	0	0	0	0	0	2	1	0	0	0	1	0	0	0	1	0	0	0
Auto-Fixed Object	4	2	2	0	1	1	0	1	1	0	0	0	2	2	0	2	0	0	0	0	0	0	0	0	0
Auto-Truck	4	4	0	3	0	1	0	0	0	0	0	0	0	4	0	1	0	3	0	1	0	1	0	1	0
Motorcycle-Fixed Object	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
Truck-Fixed Object	2	1	1	1	0	0	0	0	1	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0
Truck-Truck	2	1	1	1	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
Other Motor Vehicle Accident	**3**	**2**	**1**	**1**	**0**	**1**	**0**	**0**	**1**	**0**	**0**	**2**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Total	**19**	**11**	**8**	**6**	**4**	**4**	**1**	**1**	**3**	**0**	**0**	**3**	**8**	**8**	**0**	**4**	**0**	**4**	**0**	**1**	**0**	**2**	**0**	**1**	**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	11	5	6	3	1	2	5	0	0	0	0	4	4	1	2	1	0	0	2	0	1	0	1	0	0
Truck-Pedestrian	9	6	3	3	1	2	2	1	0	0	0	4	3	2	0	1	0	1	0	1	0	0	0	0	0
Other Motor Vehicle Accident	**6**	**5**	**1**	**5**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**3**	**1**	**2**	**0**	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Total	**26**	**16**	**10**	**11**	**3**	**4**	**7**	**1**	**0**	**0**	**0**	**11**	**8**	**5**	**2**	**4**	**0**	**1**	**2**	**1**	**1**	**0**	**1**	**0**	**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	103	72	31	26	10	26	16	20	5	0	0	41	18	31	13	18	7	13	6	5	3	3	1	5	2
Cloudy	51	39	12	18	6	15	3	6	3	0	0	20	5	19	7	7	6	12	1	6	0	4	1	2	0
Fog, Smog, Smoke	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
Rain	13	10	3	6	2	1	0	3	1	0	0	7	3	3	0	2	0	1	0	1	0	0	0	0	0
Snow	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
Other/Unknown	**13**	**12**	**1**	**2**	**1**	**2**	**0**	**3**	**0**	**5**	**0**	**9**	**1**	**3**	**0**	**2**	**0**	**1**	**0**	**1**	**0**	**0**	**0**	**0**	**0**
Total	**182**	**135**	**47**	**54**	**19**	**44**	**19**	**32**	**9**	**5**	**0**	**79**	**27**	**56**	**20**	**29**	**13**	**27**	**7**	**13**	**3**	**7**	**2**	**7**	**2**

2021 VEHICULAR FATALITIES

ROAD CONDITIONS - ETHANOL INCIDENCE

TABLE 37

		Total		Cleveland		County		Out of County		Unknown		Not Tested		Tested						Stages					
														Total		Negative		Positive		≥0.01% - ≤ 0.79%		≥0.08% - < 0.17%		≥0.17%	
Road 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
Dry	138	98	40	40	16	37	18	21	6	0	0	56	22	42	18	23	12	19	6	8	2	4	2	7	2
Wet	28	23	5	11	2	5	0	7	3	0	0	13	4	10	1	4	1	6	0	3	0	3	0	0	0
Snow	2	1	1	1	0	0	1	0	0	0	0	1	0	0	1	0	0	0	1	0	1	0	0	0	0
Ice	1	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0
Other/Unknown	13	12	1	2	1	2	0	3	0	0	0	9	1	3	0	2	0	1	0	1	0	0	0	0	0
Total	182	135	47	54	19	44	19	32	9	0	0	79	27	56	20	29	13	27	7	13	3	7	2	7	2

2021 VEHICULAR FATALITIES

LIGHT CONDITIONS - ETHANOL INCIDENCE

TABLE 38

		Total		Cleveland		County		Out of County		Unknown		Not Tested		Tested						Stages					
														Total		Negative		Positive		≥0.01% - ≤ 0.79%		≥0.08% - < 0.17%		≥0.17%	
Light 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
Daylight	68	46	22	8	7	22	10	16	5	0	0	27	12	19	10	8	6	11	4	5	2	4	1	2	1
Dawn/Dusk	5	4	1	3	1	1	0	0	0	0	0	0	1	4	0	2	0	2	0	1	0	0	0	1	0
Dark - Lighted Roadway	83	64	19	41	10	17	8	6	1	0	0	39	10	25	9	14	6	11	3	4	1	3	1	4	1
Dark - Roadway Not Lighted	14	10	4	1	0	2	1	7	3	0	0	4	3	6	1	3	1	3	0	3	0	0	0	0	0
Other/Unknown	12	11	1	1	1	2	0	3	0	5	0	9	1	2	0	2	0	0	0	0	0	0	0	0	0
Total	182	135	47	54	19	44	19	32	9	5	0	79	27	56	20	29	13	27	7	13	3	7	2	7	2

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	9	3	16	6	10	4	9	5	10	3	8	1	6	3	70	25	95
Motorcyclist	0	0	0	0	1	0	8	2	4	0	5	0	4	1	4	0	0	0	26	3	29
Passenger (including motorcycles)	1	0	1	0	3	1	2	2	3	2	1	0	0	0	0	1	0	2	11	8	19
Pedestrian	0	0	0	0	2	0	2	2	5	1	0	1	3	1	2	1	2	4	16	10	26
Bicyclist	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	1	0	4	0	4
Unknown	0	0	0	0	0	0	1	0	0	0	2	0	1	1	3	0	1	0	8	1	9
Total	**1**	**0**	**3**	**0**	**15**	**4**	**29**	**12**	**22**	**7**	**17**	**6**	**18**	**6**	**20**	**3**	**10**	**9**	**135**	**47**	**182**

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	1	0	1	0	2	1	3	1	3	0	1	1	2	0	1	2	14	5	19
February	0	0	0	0	2	0	0	1	1	0	3	1	2	0	0	0	1	0	9	2	11
March	1	0	0	0	1	0	4	1	1	0	1	0	1	1	2	0	0	0	11	2	13
April	0	0	0	0	0	0	2	1	4	1	0	1	0	0	2	0	0	1	8	4	12
May	0	0	0	0	1	1	4	1	3	0	0	0	1	0	1	0	0	1	10	3	13
June	0	0	0	0	2	0	3	0	0	0	0	1	2	1	0	1	3	0	10	3	13
July	0	0	1	0	3	3	1	2	2	1	1	0	1	1	2	0	1	0	12	7	19
August	0	0	0	0	0	0	3	1	2	1	3	0	0	1	3	1	0	1	11	5	16
September	0	0	0	0	0	0	2	1	1	2	2	0	5	0	2	0	1	0	13	3	16
October	0	0	0	0	2	0	3	1	1	0	0	0	1	0	3	1	1	0	11	2	13
November	0	0	0	0	1	0	2	1	2	0	3	2	4	1	1	0	1	1	14	5	19
December	0	0	1	0	2	0	3	1	2	1	1	1	0	0	2	0	1	3	12	6	18
Total	**1**	**0**	**3**	**0**	**15**	**4**	**29**	**12**	**22**	**7**	**17**	**6**	**18**	**6**	**20**	**3**	**10**	**9**	**135**	**47**	**182**

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	1	0	0	0	2	0	2	1	2	0	0	0	1	0	0	1	8	2	10
February	0	0	0	0	2	0	0	1	1	0	2	1	0	0	0	0	1	0	6	2	8
March	1	0	0	0	1	0	3	1	1	0	1	0	0	1	1	0	0	0	8	2	10
April	0	0	0	0	0	0	1	1	2	1	0	1	0	0	1	0	0	0	4	3	7
May	0	0	0	0	0	1	3	1	3	0	0	0	0	0	0	0	0	1	6	3	9
June	0	0	0	0	2	0	1	0	0	0	0	1	0	1	0	0	1	0	4	2	6
July	0	0	1	0	2	3	1	1	2	1	1	0	0	0	0	0	0	0	7	5	12
August	0	0	0	0	0	0	1	1	2	1	2	0	0	0	1	0	0	1	6	3	9
September	0	0	0	0	0	0	1	1	1	1	1	0	2	0	2	0	0	0	7	2	9
October	0	0	0	0	2	0	3	0	1	0	0	0	1	0	1	0	1	0	9	0	9
November	0	0	0	0	0	0	2	1	1	0	1	1	3	1	0	0	0	0	7	3	10
December	0	0	1	0	2	0	1	0	1	1	1	1	0	0	1	0	0	1	7	3	10
Total	**1**	**0**	**3**	**0**	**11**	**4**	**19**	**8**	**17**	**6**	**11**	**5**	**6**	**3**	**8**	**0**	**3**	**4**	**79**	**30**	**109**

TABLE 42
INJURY AND SURVIVAL INTERVAL

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	0	2	0	1	0	2	1	0	0	1	0	5	1	1	0	2	1	0	0	0	0	0	0	8	2	3	0	3	0
Brain, Fracture of Skull and Body Fractures	3	1	1	0	1	0	1	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	5	3	1	0	1	0
Extremities	1	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	1	1	0	0	0	0	1	3	0	0	0	0	3
Head and Extremities	1	1	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	1
Head and Trunk	3	0	2	0	1	0	3	0	1	1	0	1	0	0	0	0	0	0	1	1	0	0	0	0	7	1	3	1	1	1
Head, Trunk and Extremities	62	25	27	1	7	2	21	8	5	1	3	4	10	6	1	0	1	2	23	4	15	0	2	2	116	43	48	2	13	10
Miscellaneous Injuries	4	2	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	4	2	0	0	1	1
Spinal Cord, Fracture of Vertebra	1	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	2	0	0	0	0	2
Trunk	12	3	4	0	1	4	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	15	4	6	0	1	4
Trunk and Extremities	5	0	4	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	4	0	0	1
Total	**95**	**32**	**40**	**1**	**12**	**10**	**29**	**11**	**6**	**2**	**4**	**6**	**19**	**8**	**3**	**0**	**3**	**5**	**26**	**5**	**16**	**0**	**2**	**3**	**167**	**56**	**65**	**3**	**20**	**23**

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	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0
15 - 17	0	0	0	0	0	0	1	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	3	3	0	0	0	0
18 - 24	1	0	1	0	0	0	1	1	0	0	0	0	17	9	6	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	19	10	7	1	1	0
25 - 34	5	1	0	0	2	2	2	0	0	0	1	1	32	11	15	1	3	2	0	0	0	0	0	0	2	1	1	0	0	0	41	13	16	1	6	5
35 - 44	5	1	1	0	3	0	0	0	0	0	0	0	22	10	10	0	1	1	0	0	0	0	0	0	2	0	2	0	0	0	29	11	13	0	4	1
45 - 54	1	0	1	0	0	0	1	0	0	0	0	1	17	9	4	0	1	3	3	0	0	0	0	3	1	1	0	0	0	0	23	10	5	0	1	7
55 - 64	0	0	0	0	0	0	2	0	0	0	0	2	15	5	7	1	2	0	2	0	0	0	0	2	5	1	1	0	1	2	24	6	8	1	3	6
65 - 74	1	0	0	0	1	0	0	0	0	0	0	0	19	2	8	0	4	5	3	0	0	0	0	3	0	0	0	0	0	0	23	2	8	0	5	8
75 and Over	1	0	1	0	0	0	1	0	0	0	0	1	12	1	7	0	2	2	1	0	0	0	0	1	4	0	2	0	0	2	19	1	10	0	2	6
Total	**14**	**2**	**4**	**0**	**6**	**2**	**8**	**2**	**0**	**0**	**1**	**5**	**136**	**48**	**58**	**3**	**14**	**13**	**9**	**0**	**0**	**0**	**0**	**9**	**15**	**4**	**6**	**0**	**1**	**4**	**182**	**56**	**68**	**3**	**22**	**33**

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	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	2	2	0	0	0	0
18 - 24	0	0	0	0	0	0	1	1	0	0	0	0	11	5	5	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	12	6	5	0	1	0
25 - 34	0	0	0	0	0	0	2	0	0	0	1	1	19	8	9	1	1	0	0	0	0	0	0	0	1	0	1	0	0	0	22	8	10	1	2	1
35 - 44	3	0	1	0	2	0	0	0	0	0	0	0	10	3	6	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	14	3	8	0	3	0
45 - 54	1	0	1	0	0	0	1	0	0	0	0	1	11	7	3	0	0	1	0	0	0	0	0	0	1	1	0	0	0	0	14	8	4	0	0	2
55 - 64	0	0	0	0	0	0	0	0	0	0	0	0	7	2	3	0	2	0	1	0	0	0	0	1	5	1	1	0	1	2	13	3	4	0	3	3
65 - 74	0	0	0	0	0	0	0	0	0	0	0	0	9	2	4	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	9	2	4	0	1	2
75 and Over	0	0	0	0	0	0	0	0	0	0	0	0	6	0	4	0	2	0	0	0	0	0	0	0	3	0	1	0	0	2	9	0	5	0	2	2
Total	**4**	**0**	**2**	**0**	**2**	**0**	**5**	**2**	**0**	**0**	**1**	**2**	**73**	**27**	**34**	**1**	**8**	**3**	**1**	**0**	**0**	**0**	**0**	**1**	**12**	**3**	**4**	**0**	**1**	**4**	**95**	**32**	**40**	**1**	**12**	**10**

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	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0
25 - 34	1	0	0	0	1	0	0	0	0	0	0	0	8	2	3	0	1	2	0	0	0	0	0	0	1	1	0	0	0	0	10	3	3	0	2	2
35 - 44	1	1	0	0	0	0	0	0	0	0	0	0	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	0	0	0	0
45 - 54	0	0	0	0	0	0	0	0	0	0	0	0	5	2	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	5	2	1	0	0	2
55 - 64	0	0	0	0	0	0	0	0	0	0	0	0	5	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	2	2	1	0	0
65 - 74	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	2	2
75 and Over	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**2**	**1**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**26**	**9**	**6**	**2**	**3**	**6**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**1**	**0**	**0**	**0**	**0**	**29**	**11**	**6**	**2**	**4**	**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	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0
15 - 17	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0
18 - 24	1	0	1	0	0	0	0	0	0	0	0	0	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	3	1	0	0	0
25 - 34	3	1	0	0	1	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	2	0	0	1	1
35 - 44	1	0	0	0	1	0	0	0	0	0	0	0	3	2	0	0	0	1	0	0	0	0	0	0	1	0	1	0	0	0	5	2	1	0	1	1
45 - 54	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	0	0	1	0	0	0	0	1
55 - 64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65 - 74	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0
75 and Over	0	0	0	0	0	0	1	0	0	0	0	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2
Total	**5**	**1**	**1**	**0**	**2**	**1**	**1**	**0**	**0**	**0**	**0**	**1**	**11**	**7**	**1**	**0**	**1**	**2**	**1**	**0**	**0**	**0**	**0**	**1**	**1**	**0**	**1**	**0**	**0**	**0**	**19**	**8**	**3**	**0**	**3**	**5**

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	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	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	1	0	0	0
25 - 34	0	0	0	0	0	0	0	0	0	0	0	0	4	0	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	3	0	1	0
35 - 44	0	0	0	0	0	0	0	0	0	0	0	0	6	2	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	2	4	0	0	0
45 - 54	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
55 - 64	0	0	0	0	0	0	1	0	0	0	0	1	3	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	1	2	0	0	1
65 - 74	0	0	0	0	0	0	0	0	0	0	0	0	3	0	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	3	0	2	0	0	1
75 and Over	0	0	0	0	0	0	0	0	0	0	0	0	5	1	3	0	0	1	0	0	0	0	0	0	1	0	1	0	0	0	6	1	4	0	0	1
Total	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**1**	**24**	**5**	**15**	**0**	**2**	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**1**	**0**	**0**	**0**	**26**	**5**	**16**	**0**	**2**	**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	
Beachwood																																	
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
Passenger	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Bedford																																	
Driver	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Berea																																	
Pedestrian	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
Bicyclist	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Broadview Heights																																	
Driver	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	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	1	0	0	0	0	0	0	0	0	0	0	0	1
Brooklyn																																	
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
Brook Park																																	
Motorcyclist	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
Cleveland																																	
Driver	7	1	3	3	0	0	0	0	0	0	5	2	0	0	0	0	0	0	0	0	0	0	4	1	1	0	0	0	2	2	1	0	32
Motorcyclist	0	0	0	0	4	1	0	0	0	0	0	0	4	1	0	0	1	0	1	0	1	0	0	0	0	0	0	0	0	1	1	0	14
Passenger	0	2	0	1	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	1	0	10
Pedestrian	0	0	0	0	0	0	0	0	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	5	1	1	0	14
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	1	0	0	1	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	1	1	0	1	2
Cleveland Heights																																	
Driver	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
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	2	0	0	0	0	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
East Cleveland																																	
Driver	0	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
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	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
Euclid																																	
Driver	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	3
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
Garfield Heights																																	
Driver	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Pedestrian	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

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	
Independence																																	
Driver	0	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	0	0	0	0	0	0	3
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
Passenger	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Lakewood																																	
Driver	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	3
Passenger	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Pedestrian	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	2
Maple Heights																																	
Driver	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Passenger	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
North Olmsted																																	
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	0	1	0	0	1
North Royalton																																	
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
Olmsted Falls																																	
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
Parma																																	
Motorcyclist	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Pedestrian	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Parma Heights																																	
Pedestrian	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Richmond Heights																																	
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
Shaker Heights																																	
Pedestrian	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	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
Strongsville																																	
Driver	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Motorcyclist	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Warrensville Heights																																	
Driver	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Westlake																																	
Driver	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Total	11	7	13	6	6	1	0	0	5	5	14	5	6	1	1	0	2	0	1	0	3	0	8	1	1	0	5	2	4	5	15	2	130

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	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2
Moreland Hills Passenger	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Newburg Heights Driver	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
North Randall Pedestrian	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Walton Hills Motorcyclist	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**1**	**0**	**1**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**6**

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	2	0	6	1	0	0	0	0	0	0	7	3	0	0	0	0	0	0	0	0	0	1	4	0	0	0	0	0	4	1	1	0	**29**
Motorcyclist	0	0	0	0	1	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	**6**
Passenger	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	**4**
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**
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**
Unknown Location:																																	
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	**5**
Total	**2**	**0**	**7**	**2**	**1**	**0**	**0**	**0**	**0**	**0**	**7**	**3**	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**1**	**4**	**1**	**0**	**0**	**1**	**0**	**4**	**1**	**7**	**1**	**46**

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	0	2	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	0	2	0	1	0	1	0	0	0	2	0	0	0	0	0	8	0	5	0	3	0	8
1:00 A.M.	1	2	0	2	0	0	0	1	0	1	0	0	3	1	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	2	0	2	0	1	0	1	1	0	0	0	0	8	5	3	3	1	0	13
2:00 A.M.	3	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	0	0	0	3	0	2	0	1	0	4	1	0	1	0	0	12	1	6	1	3	0	13
3:00 A.M.	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	2	0	1	0	1	0	7	0	3	0	1	0	7
4:00 A.M.	0	0	0	0	0	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	4	0	2	0	1	0	4
5:00 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	2	0	0	0	0	0	3	0	1	0	1	0	3
6:00 A.M.	0	0	0	0	0	0	1	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	3	0	1	0	1	0	3
7:00 A.M.	0	0	0	0	0	0	0	1	0	0	0	0	2	0	1	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	2	1	0	0	0	5
8:00 A.M.	1	0	1	0	1	0	1	0	1	0	1	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	1	0	1	0	1	0	3	2	3	2	3	2	5
9:00 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	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	1	0	0	0	4
10:00 A.M.	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2	0	2	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	3	0	2	0	1	0	6	1	5	0	2	0	7
11:00 A.M.	1	0	0	0	0	0	1	1	1	0	1	0	0	1	0	1	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	2	0	1	0	0	0	0	0	0	0	0	3	5	1	2	1	0	8
Total A.M.	**11**	**2**	**6**	**2**	**4**	**0**	**7**	**4**	**4**	**1**	**3**	**0**	**6**	**2**	**2**	**1**	**1**	**0**	**5**	**2**	**2**	**1**	**0**	**1**	**10**	**3**	**7**	**1**	**3**	**1**	**8**	**2**	**6**	**1**	**2**	**0**	**16**	**2**	**5**	**1**	**4**	**0**	**63**	**17**	**32**	**8**	**17**	**2**	**80**
12:00 P.M.	0	0	0	0	0	0	1	0	0	0	0	0	3	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	5	1	1	1	0	0	6
1:00 P.M.	1	1	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	1	0	1	0	5	1	2	0	2	0	6
2:00 P.M.	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	1	0	1	1	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	3	2	0	2	0	1	5
3:00 P.M.	2	0	1	0	0	0	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	1	1	0	0	0	5
4:00 P.M.	1	2	1	1	1	1	0	1	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	0	0	0	0	4	3	3	1	3	1	7
5:00 P.M.	0	2	0	1	0	0	1	0	0	0	0	0	3	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	0	0	0	5	3	1	1	1	0	8
6:00 P.M.	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	0	0	0	0	0	1	0	0	0	0	0	1	2	0	0	0	0	1	0	0	0	0	0	6	2	0	0	0	0	8
7:00 P.M.	1	0	1	0	1	0	1	1	1	1	0	0	1	1	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	2	2	1	0	6
8:00 P.M.	1	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	0	0	0	0	0	0	0	1	0	1	0	1	3	1	2	1	0	1	4
9:00 P.M.	1	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	3	0	1	0	0	0	1	2	0	1	0	0	7	2	2	1	0	0	9
10:00 P.M.	1	0	1	0	0	0	0	1	0	0	0	0	1	1	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	2	1	0	0	0	0	2	0	1	0	0	0	7	4	2	0	0	0	11
11:00 P.M.	0	0	0	0	0	0	1	0	1	0	0	0	1	0	0	0	0	0	0	1	0	1	0	1	1	2	1	1	0	0	5	1	4	0	3	0	1	1	0	1	0	1	9	5	6	3	3	2	14
Total P.M.	**8**	**5**	**7**	**2**	**3**	**1**	**6**	**4**	**2**	**1**	**0**	**0**	**15**	**3**	**2**	**2**	**1**	**0**	**4**	**4**	**1**	**2**	**0**	**2**	**5**	**2**	**2**	**1**	**1**	**0**	**13**	**5**	**6**	**1**	**4**	**0**	**10**	**5**	**2**	**3**	**1**	**2**	**61**	**28**	**22**	**12**	**10**	**5**	**89**
Grand Total	**19**	**7**	**13**	**4**	**7**	**1**	**13**	**8**	**6**	**2**	**3**	**0**	**21**	**5**	**4**	**3**	**2**	**0**	**9**	**6**	**3**	**3**	**0**	**3**	**15**	**5**	**9**	**2**	**4**	**1**	**21**	**7**	**12**	**2**	**6**	**0**	**26**	**7**	**7**	**4**	**5**	**2**	**124**	**45**	**54**	**20**	**27**	**7**	**169**

***Day and/or time is unknown for 13 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	0	1	0	1	0	1	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	0	0	0	0	0	0	0	0	4	0	3	0	2	0	4
1:00 A.M.	0	2	0	2	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	1	0	1	0	1	0	0	1	0	0	0	0	1	4	1	3	1	0	5
2:00 A.M.	2	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	0	0	0	1	0	0	0	0	0	4	1	0	1	0	0	9	1	3	1	1	0	10
3:00 A.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	0	0	0	0	0	0	1	0	1	0	0	0	2	0	1	0	1	0	5	0	2	0	1	0	5
4:00 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	1	0	1	0	1	0	2	0	2	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2	0	0	0	0	0	2
6:00 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	0	0	0	0	0	0	0	0	0	0	2	0	1	0	1	0	2
7:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	1	0	0	0	3
8:00 A.M.	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	0	1	0	1	0	2	1	2	1	2	1	3
9:00 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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2
10:00 A.M.	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	2	0	2	0	1	0	4	1	4	0	2	0	5
11:00 A.M.	1	0	0	0	0	0	1	1	1	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	2	4	1	2	1	0	6
Total A.M.	**5**	**2**	**2**	**2**	**2**	**0**	**4**	**3**	**3**	**1**	**2**	**0**	**3**	**1**	**2**	**1**	**1**	**0**	**3**	**1**	**1**	**1**	**0**	**1**	**6**	**1**	**4**	**0**	**2**	**0**	**5**	**1**	**3**	**1**	**1**	**0**	**12**	**2**	**5**	**1**	**4**	**0**	**38**	**11**	**20**	**7**	**12**	**1**	**49**
12:00 P.M.	0	0	0	0	0	0	1	0	0	0	0	0	3	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	5	1	1	1	0	0	6
1:00 P.M.	1	0	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	0	1	0	4	0	2	0	2	0	4
2:00 P.M.	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	1	0	1	1	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	3	2	0	2	0	1	5
3:00 P.M.	1	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	1	0	0	0	3
4:00 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	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	2	0	2	0	2	0	2
5:00 P.M.	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	1	2	1	1	1	0	3
6:00 P.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2
7:00 P.M.	1	0	1	0	1	0	0	1	0	1	0	0	1	1	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	1	2	1	0	5
8:00 P.M.	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	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	0	0	0	2
9:00 P.M.	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	1	0	1	0	0	2	1	2	1	0	0	3
10:00 P.M.	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	0	1	0	0	0	4	2	2	0	0	0	6
11:00 P.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	1	0	1	0	0	2	0	2	0	2	0	0	1	0	1	0	1	2	3	2	3	2	2	5
Total P.M.	**5**	**1**	**5**	**1**	**2**	**0**	**2**	**1**	**0**	**1**	**0**	**0**	**10**	**2**	**2**	**2**	**1**	**0**	**2**	**4**	**1**	**2**	**0**	**2**	**3**	**1**	**1**	**1**	**1**	**0**	**6**	**2**	**4**	**1**	**3**	**0**	**4**	**3**	**2**	**2**	**1**	**1**	**32**	**14**	**15**	**10**	**8**	**3**	**46**
Grand Total	**10**	**3**	**7**	**3**	**4**	**0**	**6**	**4**	**3**	**2**	**2**	**0**	**13**	**3**	**4**	**3**	**2**	**0**	**5**	**5**	**2**	**3**	**0**	**3**	**9**	**2**	**5**	**1**	**3**	**0**	**11**	**3**	**7**	**2**	**4**	**0**	**16**	**5**	**7**	**3**	**5**	**1**	**70**	**25**	**35**	**17**	**20**	**4**	**95**

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.	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	0	0	0	0	2	0	1	0	0	0	1
1:00 A.M.	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	0	0	0	0	0	1
2:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	3
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	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	0
5:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
7:00 A.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	0	0	0	0	0	0	0	0	0	0	0	0	0	1	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	1
9:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Total A.M.	**2**	**0**	**1**	**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**	**1**	**0**	**1**	**0**	**0**	**0**	**2**	**0**	**0**	**0**	**0**	**0**	**7**	**1**	**2**	**0**	**0**	**0**	**7**
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	1
1:00 P.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	2
2:00 P.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
3:00 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	0
4:00 P.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	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	1	1	1	1	1	3
5:00 P.M.	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	5
6:00 P.M.	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	3	0	0	0	0	0	1
7:00 P.M.	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	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	2
9:00 P.M.	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	2
10:00 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	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	1	0	0	0	0	1
11:00 P.M.	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	0	0	0	1	0	0	0	0	0	4	0	2	0	0	0	0
Total P.M.	**2**	**1**	**1**	**1**	**1**	**1**	**4**	**0**	**2**	**0**	**0**	**0**	**2**	**1**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**4**	**0**	**1**	**0**	**0**	**0**	**5**	**0**	**0**	**0**	**0**	**0**	**19**	**2**	**4**	**1**	**1**	**1**	**20**
Grand Total	**4**	**1**	**2**	**1**	**1**	**1**	**5**	**1**	**2**	**0**	**0**	**0**	**2**	**1**	**0**	**0**	**0**	**0**	**2**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**5**	**0**	**2**	**0**	**0**	**0**	**7**	**0**	**0**	**0**	**0**	**0**	**26**	**3**	**6**	**1**	**1**	**1**	**27**

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	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
1:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	2
2:00 A.M.	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	1
3:00 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
4:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 A.M.	0	0	0	0	0	0	1	0	1	0	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
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	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	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
10:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1
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.	**2**	**0**	**2**	**0**	**1**	**0**	**1**	**0**	**1**	**0**	**1**	**0**	**1**	**1**	**0**	**0**	**0**	**0**	**1**	**0**	**1**	**0**	**0**	**0**	**1**	**1**	**1**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**6**	**2**	**5**	**0**	**3**	**0**	**8**
12:00 P.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1:00 P.M.	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	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	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	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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
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.	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
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	1	0	0	0	0	1	1	0	0	0	0	2
10:00 P.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:00 P.M.	0	0	0	0	0	0	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	1	0	0	0	0	0	0	0	1	1	1	0	1	0	2
Total P.M.	**1**	**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**	**1**	**1**	**1**	**0**	**1**	**0**	**1**	**1**	**0**	**0**	**0**	**0**	**3**	**5**	**2**	**0**	**1**	**0**	**8**
Grand Total	**3**	**2**	**3**	**0**	**1**	**0**	**1**	**1**	**1**	**0**	**1**	**0**	**1**	**1**	**0**	**0**	**0**	**0**	**1**	**0**	**1**	**0**	**0**	**0**	**1**	**1**	**1**	**0**	**1**	**0**	**1**	**1**	**1**	**0**	**1**	**0**	**1**	**1**	**0**	**0**	**0**	**0**	**9**	**7**	**7**	**0**	**4**	**0**	**16**

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

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.	0	0	0	0	0	0	0	0	0	0	0	0	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
1:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	4	0	2	0	0	0	4
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	1	0	1	0	1	0	0	0	0	0	0	0	1	1	1	0	0	0	1
3:00 A.M.	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
4:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:00 A.M.	0	0	0	0	0	0	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
7:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
8:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	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	0	0	0	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	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Total A.M.	**1**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**1**	**1**	**1**	**1**	**0**	**1**	**2**	**1**	**2**	**0**	**1**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**8**	**1**	**3**	**1**	**0**	**1**	**11**
12:00 P.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
5:00 P.M.	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2
6:00 P.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	3
7:00 P.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:00 P.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	1	0	1	1
9:00 P.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
10:00 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	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2
11:00 P.M.	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	0	0	0	3
Total P.M.	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**2**	**0**	**0**	**0**	**0**	**3**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**1**	**1**	**1**	**0**	**0**	**0**	**2**	**2**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**1**	**0**	**1**	**7**	**0**	**1**	**1**	**0**	**1**	**14**
Grand Total	**1**	**1**	**0**	**0**	**0**	**0**	**1**	**2**	**0**	**0**	**0**	**0**	**5**	**0**	**0**	**0**	**0**	**0**	**1**	**1**	**0**	**0**	**0**	**0**	**2**	**2**	**2**	**1**	**0**	**1**	**4**	**3**	**2**	**0**	**1**	**0**	**1**	**1**	**0**	**1**	**0**	**1**	**15**	**1**	**4**	**2**	**0**	**2**	**25**

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

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	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1:00 A.M.	0	2	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	2	0	0	0	0	0	0	0	0	0
2:00 A.M.	2	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
3:00 A.M.	1	0	0	0	1	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
4:00 A.M.	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:00 A.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	0	0	0	0	0	0	0
7:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
8:00 A.M.	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	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	1	0	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	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0
11:00 A.M.	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Total A.M.	5	2	2	0	2	0	1	0	4	3	1	1	1	0	1	0	3	1	0	0	1	1	2	0	3	1	1	0	1	0	0	1
12:00 P.M.	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1:00 P.M.	1	0	0	0	0	1	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
2:00 P.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	1	0	0	0	0	0	0
3:00 P.M.	1	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:00 P.M.	0	0	1	1	0	0	0	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 P.M.	0	1	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	2	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	1	0	0	0	0	0	1	0	0	0	0	0	1	0
7:00 P.M.	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0
8:00 P.M.	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
9:00 P.M.	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
10:00 P.M.	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0
11:00 P.M.	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0
Total P.M.	5	1	2	1	1	2	0	1	2	1	4	0	0	1	0	2	10	2	2	1	0	0	3	0	2	4	1	0	0	0	1	0
Grand Total	10	3	4	1	3	2	1	1	6	4	5	1	1	1	1	2	13	3	2	1	1	1	5	0	5	5	2	0	1	0	1	1

	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	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	4	0	2	0	1	0	1	0	8
1:00 A.M.	0	0	0	0	0	0	1	0	1	0	0	0	0	0	1	0	0	1	1	0	0	0	0	0	1	4	2	0	1	1	4	0	13
2:00 A.M.	2	0	0	0	0	0	0	0	1	0	1	0	0	0	1	0	4	1	0	0	0	0	0	0	9	1	1	0	1	0	1	0	13
3:00 A.M.	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	5	0	0	0	1	0	1	0	7
4:00 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	2	0	1	0	0	0	0	0	3
5:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2	0	0	0	1	0	0	0	3
6:00 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	2	0	0	0	0	0	1	0	3
7:00 A.M.	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	1	0	0	0	1	5
8:00 A.M.	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	2	1	0	0	0	0	0	1	4
9:00 A.M.	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	1	0	0	3
10:00 A.M.	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	4	1	0	0	1	0	0	0	6
11:00 A.M.	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	1	0	2	4	1	0	0	0	0	1	8
Total A.M.	6	1	0	0	1	1	1	1	5	1	1	0	0	0	2	1	12	2	2	0	0	0	1	0	38	11	7	1	6	2	8	3	76
12:00 P.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	5	1	0	0	0	0	0	0	6
1:00 P.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	0	0	0	0	0	4	0	1	0	0	1	0	0	6
2:00 P.M.	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	2	0	0	0	0	0	0	5
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	3	0	1	0	0	1	0	0	5
4:00 P.M.	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	1	0	0	0	2	7
5:00 P.M.	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	2	2	0	0	1	2	0	8
6:00 P.M.	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	2	0	2	0	3	0	0	0	1	2	8
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	2	3	1	0	0	0	0	0	6
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	1	2	0	0	0	1	0	0	1	4
9:00 P.M.	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1	0	0	1	0	0	1	1	0	0	2	1	3	0	1	1	1	0	9
10:00 P.M.	0	0	1	0	0	0	0	0	1	1	0	0	0	0	1	0	1	0	0	1	0	0	0	0	4	2	2	1	0	0	1	1	11
11:00 P.M.	0	1	0	0	0	0	1	1	2	0	2	0	1	1	0	0	1	1	0	0	0	0	0	0	2	3	4	0	1	1	2	1	14
Total P.M.	3	1	1	0	0	0	1	1	6	2	4	0	1	1	2	2	4	3	5	0	1	1	0	1	32	14	19	2	3	5	7	7	89
Grand Total	9	2	1	0	1	1	2	2	11	3	5	0	1	1	4	3	16	5	7	0	1	1	1	1	70	25	26	3	9	7	15	10	165

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

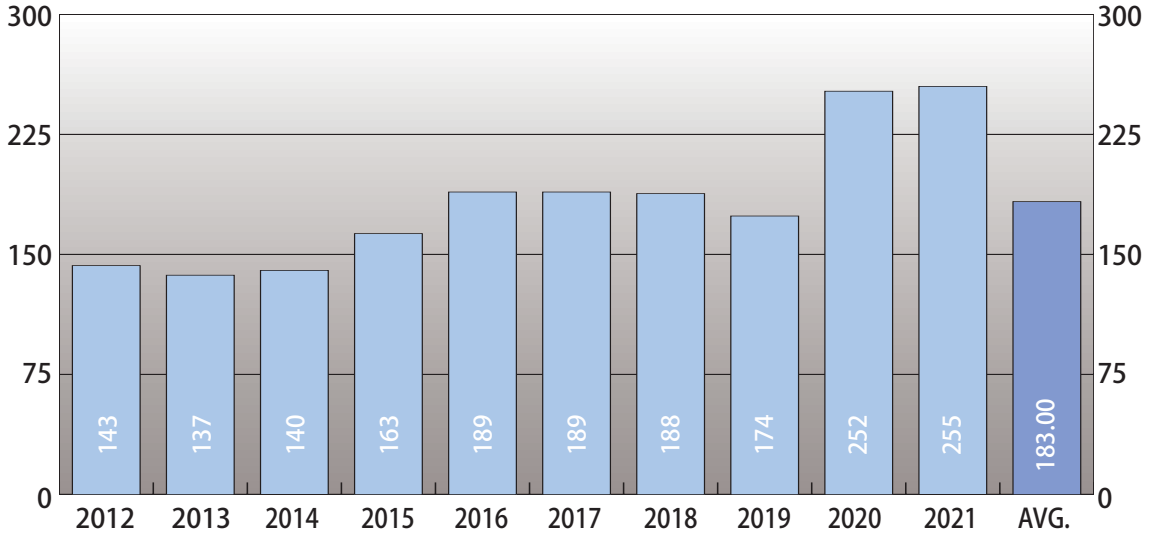
TABLE 47 HOURLY AND DAILY INCIDENCE* ARRANGED BY AGE GROUPS

	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	M	F	Grand Total
12:00 A.M.	0	0	0	0	2	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	1	0	0	0	0	0	2	0	0	0	0	0	8	0	8
1:00 A.M.	0	0	0	0	1	2	0	0	0	0	0	1	0	0	0	0	3	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	1	1	0	0	1	0	7	5	13
2:00 A.M.	0	0	0	0	3	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	3	0	0	0	0	0	4	1	0	0	0	0	12	1	13
3:00 A.M.	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	0	0	0	0	0	7	0	7
4:00 A.M.	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	4	0	4
5:00 A.M.	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	3	0	3
6:00 A.M.	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	3	0	3
7:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	2	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	2	5
8:00 A.M.	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	3	2	5
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	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	4
10:00 A.M.	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	6	1	7
11:00 A.M.	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	3	5	8
Total A.M.	**0**	**0**	**0**	**0**	**11**	**2**	**0**	**0**	**0**	**0**	**7**	**4**	**0**	**0**	**0**	**0**	**6**	**2**	**0**	**0**	**0**	**0**	**5**	**2**	**0**	**0**	**0**	**0**	**10**	**3**	**0**	**0**	**1**	**0**	**7**	**2**	**0**	**0**	**0**	**0**	**16**	**2**	**0**	**0**	**1**	**0**	**62**	**17**	**80**
12:00 P.M.	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	4	1	6
1:00 P.M.	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	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	5	1	6
2:00 P.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	3	2	5
3:00 P.M.	0	0	0	0	2	0	0	0	0	0	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	1	5
4:00 P.M.	0	0	0	0	1	2	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	4	3	7
5:00 P.M.	0	0	0	0	0	2	0	0	0	0	1	0	0	0	0	0	3	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	5	3	8
6:00 P.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	0	0	0	0	0	1	0	0	0	0	0	1	2	0	0	0	0	1	0	0	0	0	0	6	2	8
7:00 P.M.	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	6
8:00 P.M.	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	2	1	4
9:00 P.M.	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	1	2	0	0	0	0	7	2	9
10:00 P.M.	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	1	1	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	2	1	0	0	0	0	2	0	0	0	0	0	7	4	11
11:00 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	1	0	0	0	0	1	2	0	0	1	0	4	1	0	0	0	0	1	1	0	0	1	0	8	5	14
Total P.M.	**0**	**0**	**1**	**0**	**7**	**5**	**0**	**0**	**0**	**0**	**6**	**4**	**0**	**0**	**0**	**0**	**15**	**3**	**0**	**0**	**0**	**0**	**4**	**4**	**0**	**0**	**0**	**0**	**5**	**2**	**0**	**0**	**1**	**0**	**12**	**5**	**0**	**0**	**1**	**0**	**9**	**5**	**0**	**0**	**3**	**0**	**58**	**28**	**89**
Grand Total	**0**	**0**	**1**	**0**	**18**	**7**	**0**	**0**	**0**	**0**	**13**	**8**	**0**	**0**	**0**	**0**	**21**	**5**	**0**	**0**	**0**	**0**	**9**	**6**	**0**	**0**	**0**	**0**	**15**	**5**	**0**	**0**	**2**	**0**	**19**	**7**	**0**	**0**	**1**	**0**	**25**	**7**	**0**	**0**	**4**	**0**	**120**	**45**	**169**

***Day and/or time is unknown for 13 cases.**

2021 HOMICIDES

FOR A PERIOD OF TEN YEARS



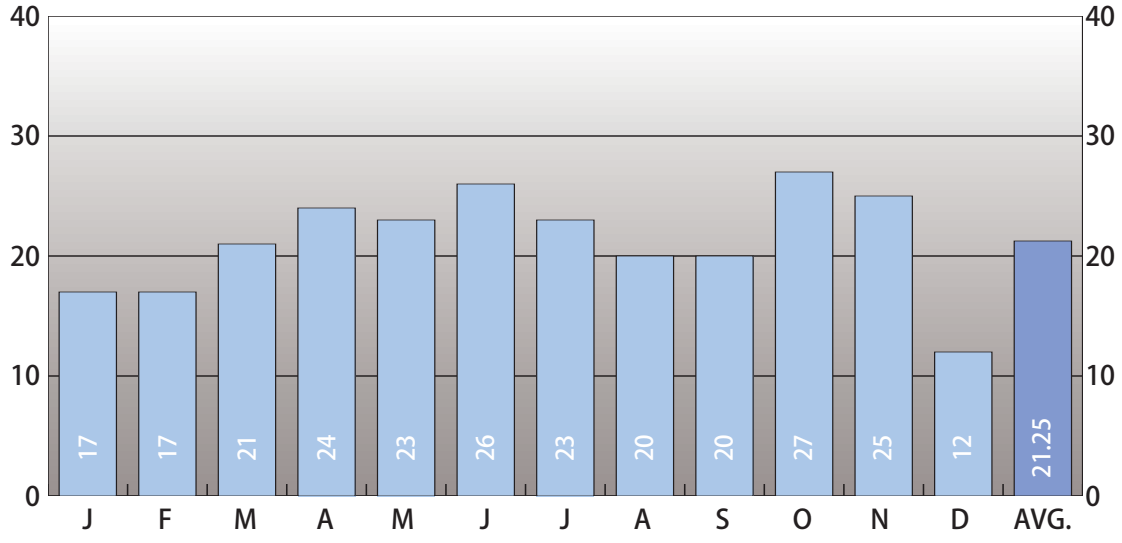
2021

TOTAL CASES

255

2021 HOMICIDES

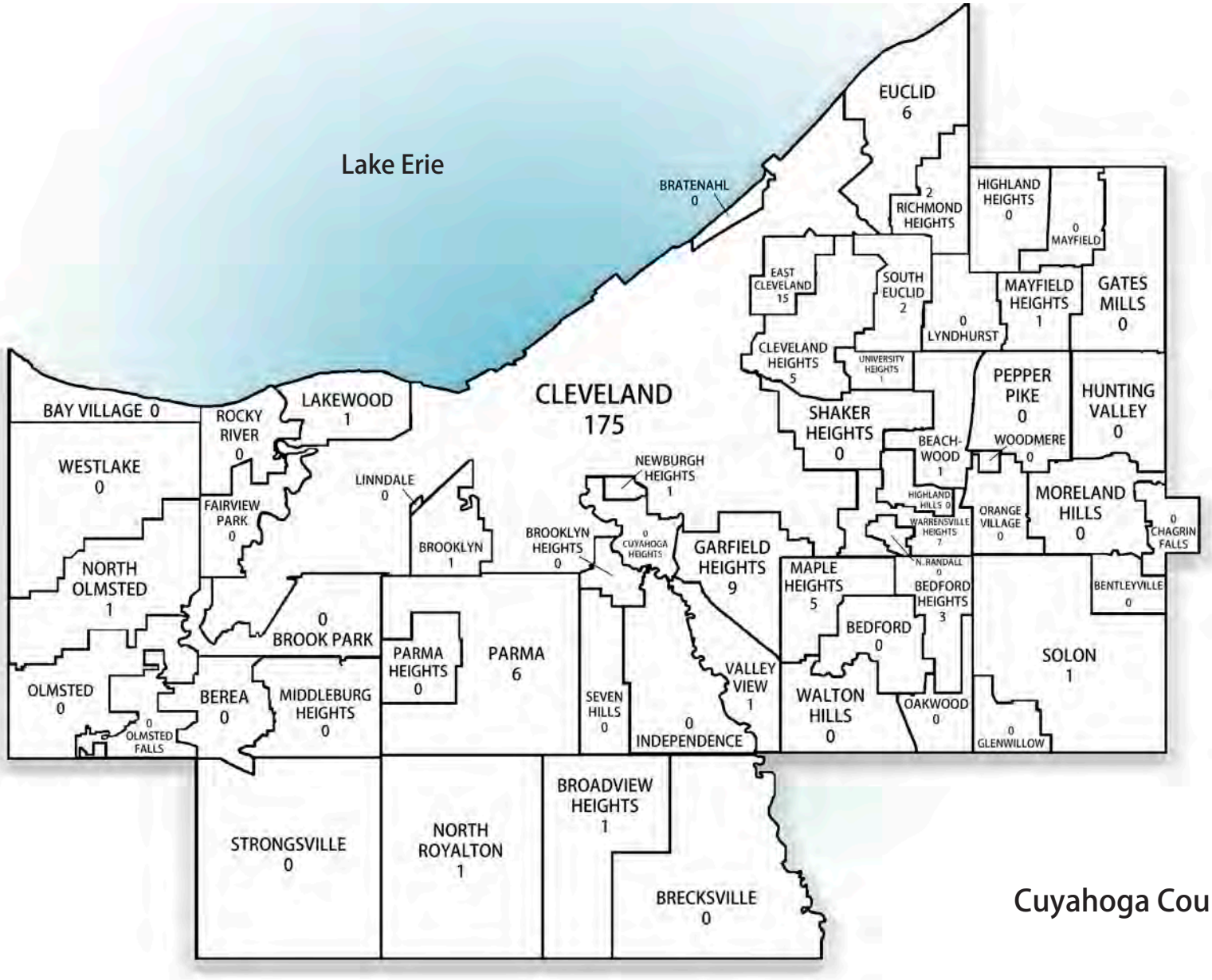
BY MONTH FOR THE YEAR 2021



		Number	Percent
Gender	Male	204	80.00%
	Female	51	20.00%
Race	White	33	12.94%
	Black	219	85.88%
	Other	3	1.18%
Ethnicity	Hispanic	11	4.31%
	Non-Hispanic	244	95.69%
Ethanol	Tested	134	52.55%
	Positive	48	35.82%
Autopsied		254	99.61%

MAP 5

DISTRIBUTION OF HOMICIDES BY CITY*



Cuyahoga County, Ohio

*Injury location is unknown for 2 cases and 10 cases are from outside of Cuyahoga County.

DISTRIBUTION OF HOMICIDES BY CITY*

MAP 5

Cities			
Cleveland	175	Maple Heights	5
Bay Village	0	Mayfield Heights	1
Beachwood	1	Middleburg Heights	0
Bedford	0	North Olmsted	1
Bedford Heights	3	North Royalton	1
Berea	0	Olmsted Falls	0
Brecksville	0	Parma	6
Broadview Heights	1	Parma Heights	0
Brooklyn	1	Pepper Pike	0
Brook Park	0	Richmond Heights	2
Cleveland Heights	5	Rocky River	0
East Cleveland	15	Seven Hills	0
Euclid	6	Shaker Heights	0
Fairview Park	0	Solon	1
Garfield Heights	9	South Euclid	2
Highland Heights	0	Strongsville	0
Independence	0	University Heights	1
Lakewood	1	Warrensville Heights	7
Lyndhurst	0	Westlake	0
Villages			
Bentleyville	0	Mayfield Village	0
Bratenahl	0	Moreland Hills	0
Brooklyn Heights	0	Newburgh Heights	1
Cuyahoga Heights	0	North Randall	0
Gates Mills	0	Oakwood Village	0
Glenwillow	0	Orange Village	0
Highland Hills	0	Valley View	1
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	14	3	8	3	6	0	0	0	0	0	0	0	14	3	0	0	14	3	14	3	0	0	0	0
Feb.	17	14	3	8	2	4	1	1	0	1	0	0	0	14	3	0	0	14	3	5	0	9	3	0	0
Mar.	21	17	4	11	3	5	1	1	0	0	0	0	0	17	4	7	0	10	4	0	0	1	0	9	4
Apr.	24	19	5	12	5	6	0	0	0	1	0	1	0	18	5	18	5	0	0	0	0	0	0	0	0
May	23	17	6	11	3	6	3	0	0	0	0	0	0	17	6	17	6	0	0	0	0	0	0	0	0
Jun.	26	23	3	19	2	4	1	0	0	0	0	0	0	23	3	23	3	0	0	0	0	0	0	0	0
July	23	20	3	14	2	6	0	0	1	0	0	14	2	6	1	6	1	0	0	0	0	0	0	0	0
Aug.	20	18	2	14	0	3	1	1	1	0	0	18	2	0	0	0	0	0	0	0	0	0	0	0	0
Sept.	20	15	5	15	3	0	2	0	0	0	0	15	5	0	0	0	0	0	0	0	0	0	0	0	0
Oct.	27	24	3	19	2	5	1	0	0	0	0	24	3	0	0	0	0	0	0	0	0	0	0	0	0
Nov.	25	16	9	8	4	8	4	0	1	0	0	16	9	0	0	0	0	0	0	0	0	0	0	0	0
Dec.	12	7	5	5	2	2	2	0	1	0	0	7	5	0	0	0	0	0	0	0	0	0	0	0	0
Total	**255**	**204**	**51**	**144**	**31**	**55**	**16**	**3**	**4**	**2**	**0**	**95**	**26**	**109**	**25**	**71**	**15**	**38**	**10**	**19**	**3**	**10**	**3**	**9**	**4**

AGE - RACE - ETHNICITY - ETHANOL INCIDENCE

TABLE 49

					Not Tested		Tested						Stages					
			Ethnicity				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	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
1 - 4	White	1	0	1	0	0	1	0	1	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
5 - 9	White	1	0	1	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
10 - 14	White	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	4	0	4	4	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	2	1	1	0	0	2	0	1	0	1	0	1	0	0	0	0	0
	Black	17	0	17	8	0	8	1	5	1	3	0	2	0	1	0	0	0
	Asian	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	31	1	30	12	3	12	4	8	2	4	2	3	0	1	1	0	1
	Asian	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
25 - 29	White	4	1	3	0	1	2	1	0	0	2	1	0	0	0	0	2	1
	Black	51	0	51	20	4	23	4	15	2	8	2	3	0	3	1	2	1
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 - 34	White	6	1	5	2	2	2	0	1	0	1	0	0	0	0	0	1	0
	Black	37	1	36	16	2	15	4	10	3	5	1	2	1	1	0	2	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 - 39	White	6	1	5	2	1	2	1	1	1	1	0	1	0	0	0	0	0
	Black	31	1	30	11	3	13	4	13	1	0	3	0	2	0	1	0	0
	Asian	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
40 - 44	White	4	3	1	1	2	1	0	0	0	1	0	0	0	0	0	1	0
	Black	11	0	11	6	0	5	0	5	0	0	0	0	0	0	0	0	0
	Asian	1	0	1	0	0	1	0	0	0	1	0	1	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	12	0	12	3	2	6	1	2	1	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
50 - 54	White	1	1	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0
	Black	5	0	5	1	1	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

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	1	0	1	0	0	0	1	0	0	0	1	0	0	0	0	0	1
	Black	6	0	6	3	0	2	1	1	1	1	0	0	0	1	0	0	0
	Asian	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
60 - 64	White	2	0	2	1	0	1	0	1	0	0	0	0	0	0	0	0	0
	Black	5	0	5	2	1	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
65 - 69	White	2	0	2	0	0	2	0	1	0	1	0	0	0	0	0	1	0
	Black	3	0	3	1	1	1	0	0	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
70 - 74	White	1	0	1	0	0	0	1	0	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
75 - 79	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	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
80 and Over	White	2	0	2	0	1	0	1	0	1	0	0	0	0	0	0	0	0
	Black	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	Asian	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	33	8	25	6	7	15	5	7	3	8	2	2	0	1	0	5	2
	Black	219	3	216	88	18	93	20	64	12	29	8	16	3	9	3	4	2
	Asian	3	0	3	1	1	1	0	0	0	1	0	1	0	0	0	0	0
Grand Total		**255**	**11**	**244**	**95**	**26**	**109**	**25**	**71**	**15**	**38**	**10**	**19**	**3**	**10**	**3**	**9**	**4**

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	2	0	1	0	1	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0
Assault	22	13	9	8	2	4	4	1	3	0	0	6	8	7	1	5	0	2	1	1	0	0	0	1	1
Miscellaneous	3	1	2	0	1	0	1	1	0	0	0	1	0	0	2	0	2	0	0	0	0	0	0	0	0
Shooting	224	185	39	134	27	48	11	1	1	2	0	85	18	100	21	65	13	35	8	18	3	9	2	8	3
Stabbing	4	3	1	1	1	2	0	0	0	0	0	2	0	1	1	0	0	1	1	0	0	1	1	0	0
Total	**255**	**204**	**51**	**144**	**31**	**55**	**16**	**3**	**4**	**2**	**0**	**95**	**26**	**109**	**25**	**71**	**15**	**38**	**10**	**19**	**3**	**10**	**3**	**9**	**4**

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	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2	0	2
Assault	0	0	2	0	1	0	0	0	1	0	0	0	1	0	1	2	3	1	0	1	0	0	0	0	0	1	1	1	2	1	1	0	0	0	0	2	13	9	22
Others	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	1	0	1	1	2	3
Shooting	0	0	0	0	1	0	4	0	17	1	24	7	44	10	32	6	25	8	12	1	9	3	5	1	5	1	5	0	2	0	0	1	0	0	0	0	185	39	224
Stabbing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	4
Total	**1**	**0**	**2**	**0**	**2**	**0**	**4**	**0**	**18**	**1**	**24**	**7**	**45**	**10**	**35**	**8**	**28**	**10**	**14**	**2**	**9**	**3**	**5**	**1**	**6**	**2**	**6**	**1**	**4**	**1**	**1**	**1**	**0**	**1**	**0**	**3**	**204**	**51**	**255**

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**
Home Circumstances:																									
During or Following the Commission or Attempted Commission of a Felony																									
Police	2	2	0	0	0	2	0	0	0	0	0	0	0	2	0	1	0	1	0	0	0	1	0	0	0
Public Circumstances:																									
During or Following the Commission or Attempted Commission of a Felony																									
Acquaintance	1	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Police	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
Stranger	2	0	2	0	1	0	1	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
Other Public Circumstances:																									
Police	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**8**	**6**	**2**	**1**	**1**	**4**	**1**	**1**	**0**	**0**	**0**	**1**	**2**	**4**	**0**	**2**	**0**	**2**	**0**	**1**	**0**	**1**	**0**	**0**	**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	2	2	0	1	0	1	0	0	0	0	0	0	0	2	0	1	0	1	0	0	0	1	0	0	0
Boyfriend	3	0	3	0	1	0	2	0	0	0	0	0	1	0	2	0	0	0	2	0	1	0	0	0	1
Former Partner	2	1	1	0	0	1	1	0	0	0	0	0	0	1	1	0	1	1	0	0	0	1	0	0	0
Girlfriend	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
Other Relative	3	2	1	2	1	0	0	0	0	0	0	1	1	1	0	1	0	0	0	0	0	0	0	0	0
Unknown	**8**	**6**	**2**	**3**	**2**	**3**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**5**	**2**	**3**	**1**	**2**	**1**	**1**	**0**	**0**	**1**	**1**	**0**
During or Following the Commission or Attempted Commission of a Felony																									
Acquaintance	1	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0
Boyfriend	2	2	0	1	0	1	0	0	0	0	0	0	0	2	0	1	0	1	0	0	0	0	0	0	0
Former Partner	1	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Girlfriend	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
Other Relative	2	1	1	0	0	1	1	0	0	0	0	0	1	1	0	0	0	1	0	0	0	0	0	0	0
Unknown	3	2	1	1	0	1	1	0	0	0	0	2	0	0	1	0	1	0	0	0	0	0	0	0	0
Other Circumstances																									
Acquaintance	5	3	2	3	1	0	1	0	0	0	0	1	2	2	0	1	0	1	0	0	0	1	0	0	0
Father	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
Husband	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
Son	1	0	1	0	0	1	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0
Stranger	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
Unknown	3	1	2	1	2	0	0	0	0	0	0	1	0	0	2	0	1	0	1	0	0	0	1	0	0
Unknown Circumstances																									
Acquaintance	4	3	1	3	1	0	0	0	0	0	0	2	1	1	0	1	0	0	0	0	0	0	0	0	0
Boyfriend	2	1	1	1	0	0	0	0	1	0	0	1	1	0	0	0	0	0	0	0	0	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
Former Partner	2	0	2	0	0	0	2	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
Husband	2	0	2	0	1	0	1	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	0
Unknown	33	27	6	17	5	9	0	1	1	0	0	17	2	10	4	8	4	2	0	0	0	1	0	1	0
Total	**85**	**57**	**28**	**36**	**15**	**20**	**10**	**2**	**3**	**0**	**0**	**29**	**12**	**28**	**16**	**18**	**12**	**10**	**4**	**1**	**1**	**4**	**2**	**2**	**1**

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

TABLE 53B

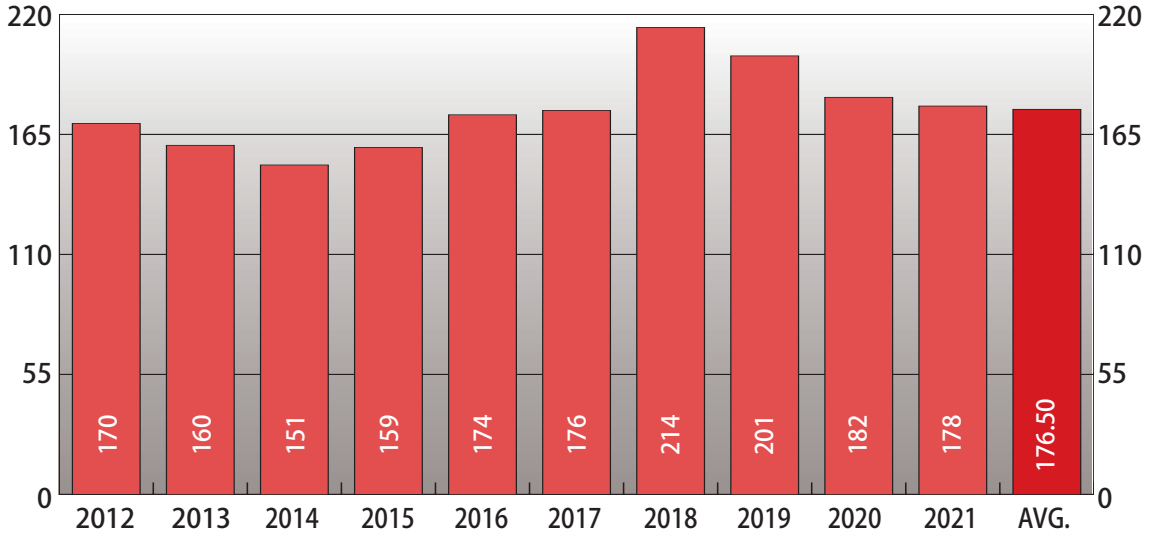
		Total		Cleveland		County		Out of County		Unknown		Not Tested		Tested						Stages					
														Total		Negative		Positive		≥0.01% - ≤ 0.079%		≥0.08% - < 0.17%		≥0.17%	
Circumstances / Assailants	Total	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Public Circumstances: During or Following an Argument																									
Acquaintance	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
Boyfriend	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
Former Partner	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	26	24	2	18	2	6	0	0	0	0	0	12	0	12	2	8	1	4	1	1	0	0	0	3	1
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	0	0	2	0	2	0	0	0	0	0
Former Partner	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
Stranger	2	2	0	0	0	2	0	0	0	0	0	1	0	1	0	0	0	1	0	1	0	0	0	0	0
Unknown	14	12	2	9	1	3	1	0	0	0	0	5	1	7	1	5	0	2	1	1	1	1	0	0	0
Other Public Circumstances																									
Acquaintance	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
Stranger	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
Unknown	**14**	**12**	**2**	**9**	**2**	**1**	**0**	**0**	**0**	**2**	**0**	**5**	**0**	**7**	**2**	**4**	**1**	**3**	**1**	**1**	**0**	**1**	**0**	**1**	**1**
Unknown Public Circumstances																									
Acquaintance	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
Boyfriend	3	0	3	0	2	0	1	0	0	0	0	0	2	0	1	0	0	0	1	0	0	0	0	0	1
Mother	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
Son	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
Stranger	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
Unknown	**88**	**79**	**9**	**62**	**8**	**17**	**1**	**0**	**0**	**0**	**0**	**37**	**6**	**42**	**3**	**30**	**1**	**12**	**2**	**8**	**1**	**2**	**1**	**2**	**0**
Total	**162**	**141**	**21**	**107**	**15**	**32**	**5**	**0**	**1**	**2**	**0**	**64**	**12**	**77**	**9**	**51**	**3**	**26**	**6**	**15**	**2**	**4**	**1**	**7**	**3**

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	151	79.89	15	11	6	6
2018	188	132	70.21	33	14	2	7
2019	174	144	82.76	17	6	2	5
2020	252	219	86.90	19	10	2	2
2021	255	224	87.84	22	4	2	3

2021 SUICIDES

FOR A PERIOD OF TEN YEARS



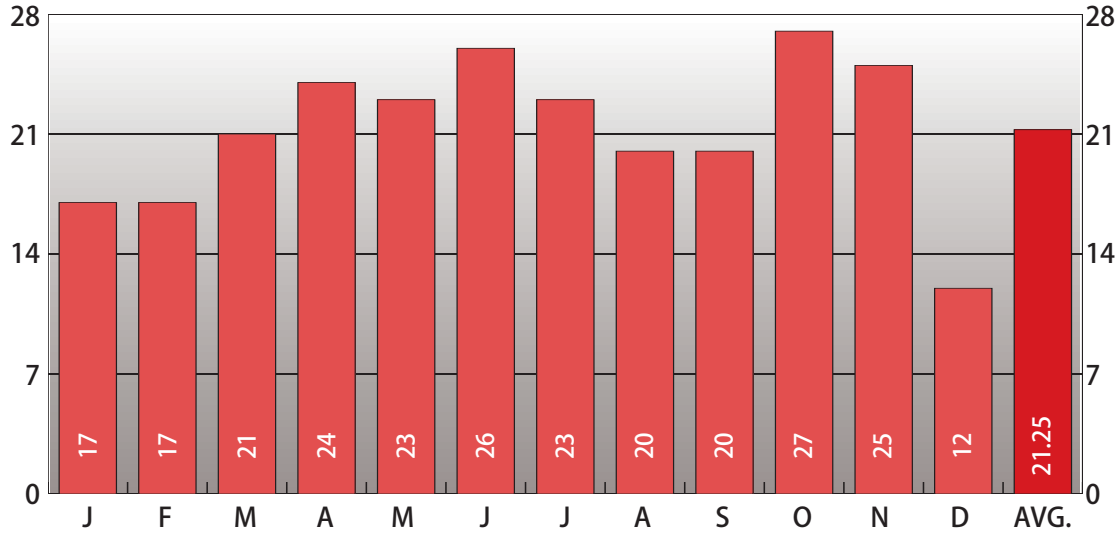
2021

TOTAL CASES

178

2021 SUICIDES

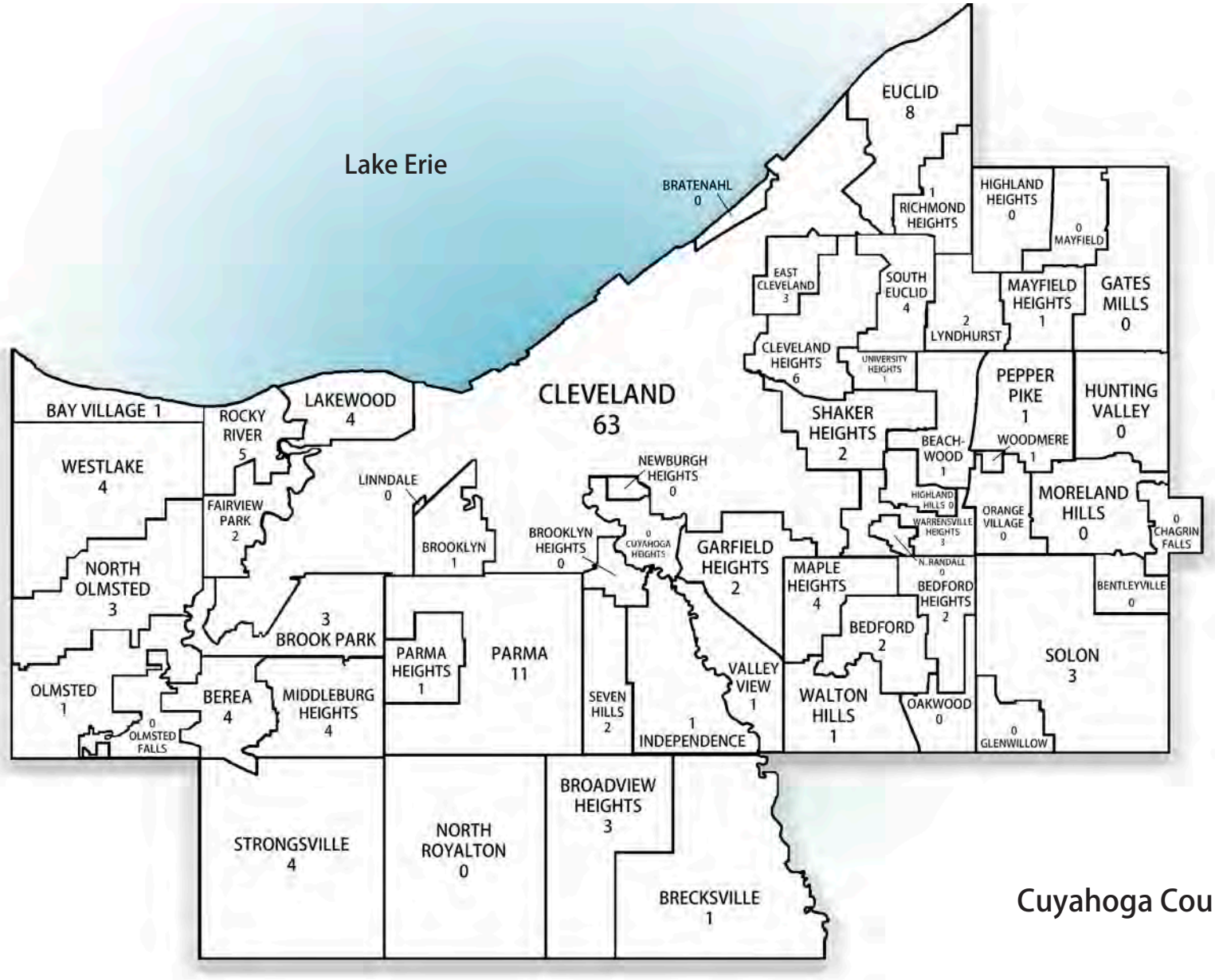
BY MONTH FOR THE YEAR 2021



		Number	Percent
Gender	Male	137	76.97%
	Female	41	23.03%
Race	White	128	71.91%
	Black	43	24.16%
	Asian	7	3.93%
Ethnicity	Hispanic	9	5.06%
	Non-Hispanic	169	94.94%
Ethanol	Tested	75	42.13%
	Positive	22	29.33%
Autopsied		155	87.08%

MAP 6

DISTRIBUTION OF SUICIDES BY CITY*



Cuyahoga County, Ohio

*Injury location is unknown for 1 case and 15 cases are from outside of Cuyahoga County.

DISTRIBUTION OF SUICIDES BY CITY*

MAP 6

Cities			
Cleveland	63	Maple Heights	4
Bay Village	1	Mayfield Heights	1
Beachwood	1	Middleburg Heights	4
Bedford	2	North Olmsted	3
Bedford Heights	2	North Royalton	0
Berea	4	Olmsted Falls	0
Brecksville	1	Parma	11
Broadview Heights	3	Parma Heights	1
Brooklyn	1	Pepper Pike	1
Brook Park	3	Richmond Heights	1
Cleveland Heights	6	Rocky River	5
East Cleveland	3	Seven Hills	2
Euclid	8	Shaker Heights	2
Fairview Park	2	Solon	3
Garfield Heights	2	South Euclid	4
Highland Heights	0	Strongsville	4
Independence	1	University Heights	1
Lakewood	4	Warrensville Heights	3
Lyndhurst	2	Westlake	4
Villages			
Bentleyville	0	Mayfield Village	0
Bratenahl	0	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	1
Hunting Valley	0	Walton Hills	1
Linndale	0	Woodmere	1
Townships			
Chagrin Falls	0	Olmsted Township	1

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.	8	6	2	2	0	4	2	0	0	0	0	0	0	6	2	0	0	6	2	6	2	0	0	0	0
Feb.	4	2	2	0	0	2	1	0	1	0	0	0	0	2	2	0	0	2	2	0	0	2	2	0	0
Mar.	15	9	6	4	3	5	2	0	1	0	0	0	0	9	6	3	2	6	4	0	0	1	1	5	3
Apr.	12	9	3	5	1	3	2	1	0	0	0	0	0	9	3	9	3	0	0	0	0	0	0	0	0
May	16	13	3	8	3	5	0	0	0	0	0	0	0	13	3	13	3	0	0	0	0	0	0	0	0
Jun.	13	10	3	3	1	7	1	0	1	0	0	0	1	10	2	10	2	0	0	0	0	0	0	0	0
July	18	14	4	5	1	8	3	1	0	0	0	8	2	6	2	6	2	0	0	0	0	0	0	0	0
Aug.	12	9	3	5	1	4	2	0	0	0	0	9	3	0	0	0	0	0	0	0	0	0	0	0	0
Sept.	26	21	5	6	1	13	4	2	0	0	0	21	5	0	0	0	0	0	0	0	0	0	0	0	0
Oct.	14	9	5	3	0	4	4	2	1	0	0	9	5	0	0	0	0	0	0	0	0	0	0	0	0
Nov.	23	20	3	6	1	14	2	0	0	0	0	20	3	0	0	0	0	0	0	0	0	0	0	0	0
Dec.	17	15	2	4	0	10	2	1	0	0	0	15	2	0	0	0	0	0	0	0	0	0	0	0	0
Total	**178**	**137**	**41**	**51**	**12**	**79**	**25**	**7**	**4**	**0**	**0**	**82**	**21**	**55**	**20**	**41**	**12**	**14**	**8**	**6**	**2**	**3**	**3**	**5**	**3**

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	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	3	0	3	1	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
15 - 19	White	7	0	7	2	1	1	3	1	1	0	2	0	1	0	1	0	0
	Black	4	1	3	2	0	1	1	1	0	0	1	0	0	0	0	0	1
	Asian	1	0	1	0	0	0	1	0	0	0	1	0	0	0	0	0	1
20 - 24	White	3	0	3	1	0	2	0	1	0	1	0	0	0	0	0	1	0
	Black	8	0	8	4	0	2	2	1	2	1	0	1	0	0	0	0	0
	Asian	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
25 - 29	White	11	3	8	3	3	3	2	2	2	1	0	0	0	0	0	1	0
	Black	9	0	9	1	1	6	1	6	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
30 - 34	White	10	0	10	4	2	3	1	1	1	2	0	0	0	1	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
35 - 39	White	11	2	9	6	1	4	0	3	0	1	0	0	0	1	0	0	0
	Black	6	0	6	4	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
40 - 44	White	7	1	6	3	0	4	0	3	0	1	0	0	0	0	0	1	0
	Black	6	0	6	2	0	3	1	2	1	1	0	1	0	0	0	0	0
	Asian	1	0	1	0	0	0	1	0	0	0	1	0	0	0	1	0	0
45 - 49	White	12	0	12	8	3	1	0	1	0	0	0	0	0	0	0	0	0
	Black	2	0	2	1	0	1	0	1	0	0	0	0	0	0	0	0	0
	Asian	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 - 54	White	14	1	13	4	2	6	2	5	0	1	2	1	1	0	1	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

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	15	1	14	11	0	3	1	2	1	1	0	0	0	1	0	0	0
	Black	2	0	2	2	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
60 - 64	White	9	0	9	5	1	2	1	1	1	1	0	0	0	0	0	1	0
	Black	1	0	1	0	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
65 - 69	White	8	0	8	3	1	1	3	1	2	0	1	0	0	0	0	0	1
	Black	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Asian	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
70 - 74	White	6	0	6	4	0	2	0	1	0	1	0	1	0	0	0	0	0
	Black	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	Asian	2	0	2	0	1	1	0	1	0	0	0	0	0	0	0	0	0
75 - 79	White	8	0	8	3	1	4	0	4	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
80 and Over	White	6	0	6	4	1	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
	Asian	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	White	128	8	120	62	16	37	13	27	8	10	5	2	2	3	2	5	1
	Black	43	1	42	18	3	17	5	13	4	4	1	4	0	0	0	0	1
	Asian	7	0	7	2	2	1	2	1	0	0	2	0	0	0	1	0	1
Grand Total		**178**	**9**	**169**	**82**	**21**	**55**	**20**	**41**	**12**	**14**	**8**	**6**	**2**	**3**	**3**	**5**	**3**

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	45	34	11	13	2	20	8	1	1	0	0	22	6	12	5	11	3	1	2	1	1	0	1	0	0
Carbon Monoxide	1	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Cutting and Stabbing	4	4	0	3	0	1	0	0	0	0	0	2	0	2	0	1	0	1	0	1	0	0	0	0	0
Jumping	10	7	3	5	0	2	3	0	0	0	0	4	3	3	0	3	0	0	0	0	0	0	0	0	0
Other	4	4	0	0	0	1	0	3	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Poisoning	24	10	14	5	5	3	6	2	3	0	0	6	7	4	7	2	3	2	4	0	0	0	2	2	2
Shooting	90	77	13	25	5	51	8	1	0	0	0	43	5	34	8	24	6	10	2	4	1	3	0	3	1
Total	**178**	**137**	**41**	**51**	**12**	**79**	**25**	**7**	**4**	**0**	**0**	**82**	**21**	**55**	**20**	**41**	**12**	**14**	**8**	**6**	**2**	**3**	**3**	**5**	**3**

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	3	3	0	1	0	2	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0
Hanging	40	30	10	11	2	18	7	1	1	0	0	18	5	12	5	11	3	1	2	1	1	0	1	0	0
Plastic Bag	2	1	1	1	0	0	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
Total	**45**	**34**	**11**	**13**	**2**	**20**	**8**	**1**	**1**	**0**	**0**	**22**	**6**	**12**	**5**	**11**	**3**	**1**	**2**	**1**	**1**	**0**	**1**	**0**	**0**
Carbon Monoxide:																									
Auto Exhaust	1	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**1**	**1**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Jumping:																									
Bridge	5	2	3	1	0	1	3	0	0	0	0	1	3	1	0	1	0	0	0	0	0	0	0	0	0
Building	3	3	0	3	0	0	0	0	0	0	0	2	0	1	0	1	0	0	0	0	0	0	0	0	0
Window	2	2	0	1	0	1	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0
Total	**10**	**7**	**3**	**5**	**0**	**2**	**3**	**0**	**0**	**0**	**0**	**4**	**3**	**3**	**0**	**3**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Grand Total	**56**	**42**	**14**	**18**	**2**	**23**	**11**	**1**	**1**	**0**	**0**	**27**	**9**	**15**	**5**	**14**	**3**	**1**	**2**	**1**	**1**	**0**	**1**	**0**	**0**

***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: Amitriptyline	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
Caustic Chemical	2	1	1	0	0	0	0	1	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
Diphenhydramine	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	1	0
Insulin	2	0	2	0	2	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
Quetiapine	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
Sodium Nitrite	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
Venlafaxine	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
Two or More Chemical Agents: Acetaminophen, Mitragynine	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
Acetaminophen, Salicylate, Doxylamine	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, Hydrocodone, Venlafaxine	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
Alprazolam, Oxycodone, Zolpidem	1	1	0	1	0	0	1	0	0	0	0	0	0	1	1	1	0	0	1	0	0	0	0	0	1
Alprazolam, Tramadol, Trazodone, Zolpidem	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
Amitriptyline, Bupropion, Cocaine, Pentazocine	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
Amlodipine, Metoprolol	1	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Amphetamine, Bupropion, Duloxetine	1	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0
Bupropion, Clonazepam, Doxylamine, Nortriptyline	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
Codeine, Cyclobenzaprine, 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
Doxepin, Fluoxetine, Lorazepam	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
Haloperidol, Mirtazapine, Nortriptyline, Olanzapine, Trihexyphenidyl	1	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Combined Effects of Ethanol & Single/Multiple Chemical Agents: Cyclobenzaprine, Oxycodone	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
Doxepin	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
Fluoxetine	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
Grand Total	**24**	**10**	**14**	**5**	**5**	**3**	**6**	**2**	**3**	**0**	**0**	**6**	**7**	**4**	**7**	**2**	**3**	**2**	**4**	**0**	**0**	**0**	**2**	**2**	**2**

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	0	1	1	1	1	0	8	3	1	2	2	0	4	0	6	1	3	1	3	1	1	0	1	1	0	0	2	0	1	0	34	11	45
Carbon Monoxide	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	1
Cutting and Stabbing	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	2	0	1	0	0	0	0	0	0	0	0	0	4	0	4
Jumping	0	0	0	0	0	1	1	0	1	0	1	0	1	1	0	0	0	1	0	0	1	0	0	0	1	0	1	0	0	0	0	0	7	3	10
Other	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	1	0	0	0	4	0	4
Poisoning	0	0	1	0	1	3	1	0	0	2	3	1	0	0	0	1	0	0	1	0	0	0	1	2	0	2	2	1	0	1	0	1	10	14	24
Shooting	0	0	1	1	4	1	7	2	4	2	3	0	12	0	8	1	5	1	6	3	9	0	4	0	1	2	4	0	4	0	5	0	77	13	90
Total	**0**	**0**	**2**	**2**	**6**	**6**	**10**	**2**	**13**	**7**	**8**	**3**	**16**	**1**	**12**	**2**	**11**	**3**	**10**	**4**	**16**	**1**	**8**	**2**	**4**	**5**	**8**	**1**	**7**	**1**	**6**	**1**	**137**	**41**	**178**

MODE, GEOGRAPHICAL LOCATION AND MARITAL STATUS

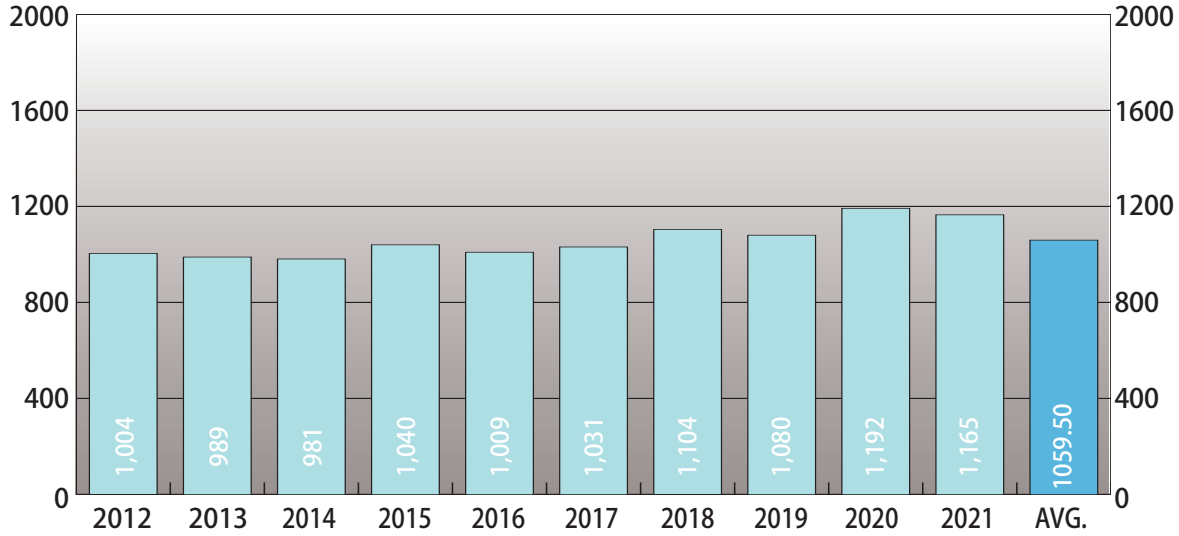
TABLE 61

	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	2	0	9	2	2	0	0	0	0	0	13	2	5	2	11	4	3	2	1	0	0	0	20	8	0	1	0	0	1	0	0	0	0	0	1	1	45
Carbon Monoxide	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	0	0	0	0	1
Cutting and Stabbing	0	0	2	0	1	0	0	0	0	0	3	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Jumping	3	0	2	0	0	0	0	0	0	0	5	0	1	1	1	2	0	0	0	0	0	0	2	3	0	0	0	0	0	0	0	0	0	0	0	0	10
Other	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	0	0	0	1	0	0	0	1	0	3	0	4
Poisoning	0	0	3	3	2	1	0	1	0	0	5	5	0	2	3	2	0	2	0	0	0	0	3	6	0	0	2	3	0	0	0	0	0	0	2	3	24
Shooting	6	2	10	2	7	1	2	0	0	0	25	5	16	2	26	5	7	1	2	0	0	0	51	8	0	0	1	0	0	0	0	0	0	0	1	0	90
Total	**11**	**2**	**26**	**7**	**12**	**2**	**2**	**1**	**0**	**0**	**51**	**12**	**22**	**7**	**42**	**13**	**12**	**5**	**3**	**0**	**0**	**0**	**79**	**25**	**1**	**1**	**3**	**3**	**2**	**0**	**0**	**0**	**1**	**0**	**7**	**4**	**178**

Photograph by G. Wilson

2021 DEATHS FROM NATURAL CAUSES

FOR A PERIOD OF TEN YEARS



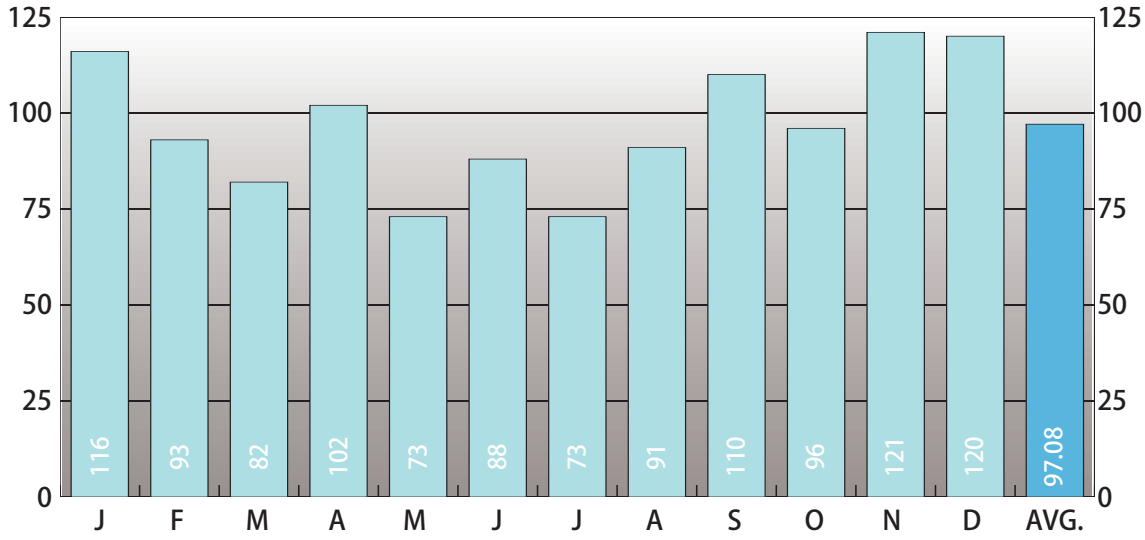
2021

TOTAL CASES

1,165

2021 DEATHS FROM NATURAL CAUSES

BY MONTH FOR THE YEAR 2021



		Number	Percent
Gender	Male	780	66.95%
	Female	385	33.05%
Race	White	715	61.37%
	Black	440	37.77%
	Asian	9	0.77%
	Other	1	0.09%
Ethnicity	Hispanic	22	1.89%
	Non-Hispanic	1143	98.11%
Ethanol	Tested	527	45.24%
	Positive	252	47.82%
Autopsied		444	38.11%

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.	116	71	45	4	4	67	41	0	0	67	41	67	41	0	0	0	0
Feb.	93	64	29	2	2	62	27	0	0	62	27	11	5	51	22	0	0
Mar.	82	53	29	4	2	49	27	14	7	35	20	0	0	1	0	34	20
Apr.	102	68	34	4	6	64	28	64	28	0	0	0	0	0	0	0	0
May	73	51	22	4	4	47	18	47	18	0	0	0	0	0	0	0	0
Jun.	88	67	21	7	3	60	18	60	18	0	0	0	0	0	0	0	0
July	73	52	21	39	15	13	6	13	6	0	0	0	0	0	0	0	0
Aug.	91	62	29	62	29	0	0	0	0	0	0	0	0	0	0	0	0
Sept.	110	79	31	79	31	0	0	0	0	0	0	0	0	0	0	0	0
Oct.	96	62	34	62	34	0	0	0	0	0	0	0	0	0	0	0	0
Nov.	121	73	48	73	48	0	0	0	0	0	0	0	0	0	0	0	0
Dec.	120	78	42	78	42	0	0	0	0	0	0	0	0	0	0	0	0
Total	**1,165**	**780**	**385**	**418**	**220**	**362**	**165**	**198**	**77**	**164**	**88**	**78**	**46**	**52**	**22**	**34**	**20**

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	0	2	0	0	2	0	1	0	1	0	0	0	1	0	0	0
	Black	1	0	1	0	0	1	0	0	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
	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	1	0	0	0	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
	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	1	1	1	1	0	0	1	0	0	0	0	0	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
10 - 14	White	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	Black	2	0	2	1	0	1	0	1	0	0	0	0	0	0	0	0	0
	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	1	0	0	0	0	0	0	0	0	0	0	0	0
	Black	2	0	2	1	0	0	1	0	0	0	1	0	0	0	0	0	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
20 - 24	White	6	1	5	1	2	2	1	1	0	1	1	1	1	0	0	0	0
	Black	5	0	5	3	0	1	1	0	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
	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	9	0	9	4	1	1	3	0	2	1	1	1	0	0	0	0	1
	Black	12	0	12	5	3	4	0	0	0	4	0	1	0	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
30 - 34	White	9	1	8	4	0	4	1	1	0	3	1	2	0	1	1	0	0
	Black	18	0	18	3	8	6	1	6	0	0	1	0	0	0	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
35 - 39	White	22	3	19	4	5	11	2	8	2	3	0	0	0	2	0	1	0
	Black	21	1	20	6	6	5	4	2	1	3	3	2	3	1	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
40 - 44	White	27	3	24	7	1	14	5	5	1	9	4	5	2	0	1	4	1
	Black	24	0	24	10	6	4	4	3	1	1	3	0	2	0	0	1	1
	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
45 - 49	White	34	3	31	12	2	18	2	9	2	9	0	3	0	3	0	3	0
	Black	23	0	23	6	6	7	4	3	2	4	2	3	1	1	1	0	0
	Asian	2	0	2	0	0	1	1	0	0	1	1	0	1	0	0	1	0
	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 - 54	White	62	0	62	25	7	20	10	11	3	9	7	4	4	4	2	1	1
	Black	56	0	56	21	5	21	9	12	4	9	5	5	1	1	2	3	2
	Asian	1	0	1	0	1	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

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	99	1	98	48	13	34	4	18	3	16	1	7	1	5	0	4	0
	Black	51	0	51	19	10	16	6	4	3	12	3	5	0	4	1	3	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
60 - 64	White	105	0	105	43	14	37	11	24	6	13	5	5	2	7	1	1	2
	Black	62	1	61	23	4	25	10	16	8	9	2	2	1	6	1	1	0
	Asian	2	0	2	0	0	1	1	0	0	1	1	1	1	0	0	0	0
	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65 - 69	White	81	3	78	26	14	32	9	19	3	13	6	7	1	4	2	2	3
	Black	62	0	62	21	6	21	14	15	6	6	8	4	6	1	2	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
70 - 74	White	90	4	86	28	14	34	14	16	8	18	6	11	3	3	1	4	2
	Black	38	0	38	13	11	8	6	3	3	5	3	2	1	2	1	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
75 - 79	White	54	1	53	21	14	10	9	8	5	2	4	1	2	1	2	0	0
	Black	19	0	19	9	6	3	1	2	0	1	1	1	1	0	0	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
80 and Over	White	112	0	112	37	41	11	23	5	9	6	14	5	9	1	3	0	2
	Black	40	0	40	15	14	5	6	4	3	1	3	0	3	0	0	1	0
	Asian	2	0	2	1	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

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	715	20	695	260	131	230	94	126	44	104	50	52	25	32	13	20	12
	Black	440	2	438	156	86	130	68	72	32	58	36	25	19	20	9	13	8
	Asian	9	0	9	2	3	2	2	0	0	2	2	1	2	0	0	1	0
	Other	1	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0
Grand Total		**1,165**	**22**	**1,143**	**418**	**220**	**362**	**165**	**198**	**77**	**164**	**88**	**78**	**46**	**52**	**22**	**34**	**20**

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	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
Complications of Pregnancy, Childbirth and the Puerperium	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Congenital Anomalies	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Diseases of the Blood and Blood-Forming Organs	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Diseases of the Circulatory System	53	32	46	21	36	18	47	28	33	16	47	15	36	17	41	21	54	23	51	21	55	31	45	28	544	271	815
Diseases of the Digestive System	1	0	1	0	1	0	2	1	0	1	1	0	1	0	0	0	0	0	1	1	0	1	0	1	8	5	13
Diseases of the Genitourinary System	0	0	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	2	2	4
Diseases of the Musculoskeletal System and Connective Tissue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1
Diseases of the Nervous System and Sense Organs	0	1	2	1	1	1	1	0	0	0	1	0	1	0	2	0	1	0	0	1	1	0	0	0	10	4	14
Diseases of the Respiratory System	2	3	1	0	4	2	1	1	3	0	2	1	0	1	2	3	4	0	3	1	4	2	1	1	27	15	42
Diseases of the Skin and Subcutaneous Tissue	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
Endocrine, Nutritional and Metabolic Diseases and Immunity Disorders	4	1	4	1	3	0	6	1	1	1	2	1	2	1	4	0	3	2	1	0	3	5	6	1	39	14	53
Infectious and Parasitic Diseases	4	2	1	1	1	1	2	0	3	0	2	1	1	0	2	2	6	0	2	0	0	3	12	8	36	18	54
Mental Disorders	5	3	4	3	6	4	8	0	6	2	9	2	8	1	7	2	6	3	2	4	5	1	6	2	72	27	99
Neoplasms	2	1	1	2	0	1	1	3	2	1	1	0	3	1	0	1	2	2	0	3	5	3	6	0	23	18	41
Symptoms, Signs and Ill-Defined Conditions	0	1	1	0	0	1	0	0	2	0	0	1	0	0	2	0	1	0	2	1	0	1	1	0	9	5	14
Therapeutic Complications	0	1	0	0	1	0	0	0	0	1	1	0	0	0	1	0	2	0	0	1	0	0	1	1	6	4	10
Total	**71**	**45**	**64**	**29**	**53**	**29**	**68**	**34**	**51**	**22**	**67**	**21**	**52**	**21**	**62**	**29**	**79**	**31**	**62**	**34**	**73**	**48**	**78**	**42**	**780**	**385**	**1,165**

*** In Mental Disorders 76 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	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
Congenital Anomalies	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Diseases of the Circulatory System	18	8	13	7	17	4	21	6	11	3	18	5	15	6	15	5	19	6	21	4	17	3	8	6	193	63	256
Diseases of the Digestive System	0	0	1	0	1	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	4	2	6
Diseases of the Genitourinary System	0	0	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	2	2	4
Diseases of the Nervous System and Sense Organs	0	0	2	1	1	1	1	0	0	0	1	0	0	0	2	0	1	0	0	0	0	0	0	0	8	2	10
Diseases of the Respiratory System	1	2	1	0	1	2	0	1	0	0	0	0	0	0	1	2	1	0	2	1	2	1	0	0	9	9	18
Endocrine, Nutritional and Metabolic Diseases and Immunity Disorders	1	1	3	1	2	0	3	1	1	0	2	0	1	0	2	0	2	2	1	0	3	4	4	1	25	10	35
Infectious and Parasitic Diseases	2	0	1	0	1	0	1	0	1	0	2	0	0	0	1	0	2	0	1	0	0	2	3	3	15	5	20
Mental Disorders	4	2	3	2	2	3	8	0	5	2	8	1	6	1	5	1	4	2	2	4	3	0	2	1	52	19	71
Neoplasms	1	0	0	0	0	0	0	0	2	0	0	0	0	0	0	1	1	1	0	1	1	1	3	0	8	4	12
Symptoms, Signs and Ill-Defined Conditions	0	1	0	0	0	1	0	0	2	0	0	1	0	0	1	0	0	0	0	0	0	1	0	0	3	4	7
Therapeutic Complications	0	0	0	0	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	3
Total	**27**	**14**	**26**	**11**	**26**	**12**	**35**	**9**	**22**	**6**	**34**	**7**	**22**	**7**	**28**	**9**	**30**	**11**	**27**	**11**	**26**	**12**	**20**	**12**	**323**	**121**	**444**

*** In Mental Disorders 69 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	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	3
1-4	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	2
5-9	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	2	3
10-14	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	2	1	3
15-19	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	2	3
20-24	1	1	1	0	0	1	1	0	0	0	0	0	1	0	0	1	2	0	0	1	1	0	0	0	7	4	11
25-29	1	0	3	0	1	1	0	0	0	1	0	1	0	0	2	0	2	1	2	0	3	2	0	1	14	7	21
30-34	2	0	0	2	3	0	1	0	0	0	3	0	2	0	2	1	1	2	1	1	0	0	2	4	17	10	27
35-39	1	3	4	0	2	0	2	3	2	1	6	0	0	0	4	2	3	2	0	1	1	2	1	3	26	17	43
40-44	5	4	0	1	6	2	3	0	2	0	0	2	4	0	2	1	2	1	5	0	2	3	5	2	36	16	52
45-49	5	1	5	2	4	1	4	0	2	0	5	3	1	1	0	1	3	1	3	0	4	4	8	1	44	15	59
50-54	7	3	8	6	8	4	8	3	5	1	7	2	8	2	6	2	10	3	11	2	5	2	4	3	87	33	120
55-59	11	1	10	1	9	2	10	1	3	4	4	4	13	3	12	2	13	2	6	6	14	6	12	1	117	33	150
60-64	8	3	13	3	4	4	17	7	11	2	10	0	9	4	10	4	12	2	8	4	13	3	14	4	129	40	169
65-69	11	7	7	4	5	4	9	3	11	5	10	1	7	3	8	2	9	3	4	2	9	4	10	5	100	43	143
70-74	10	6	8	2	8	3	5	5	5	4	9	2	1	3	6	2	10	5	7	4	7	5	7	4	83	45	128
75-79	2	3	1	3	1	2	2	5	1	0	6	1	3	2	3	3	1	2	6	5	8	1	9	4	43	31	74
80 and Over	7	13	2	5	1	3	5	7	7	4	7	5	3	3	7	7	11	7	7	6	6	15	6	10	69	85	154
Total	**71**	**45**	**64**	**29**	**53**	**29**	**68**	**34**	**51**	**22**	**67**	**21**	**52**	**21**	**62**	**29**	**79**	**31**	**62**	**34**	**73**	**48**	**78**	**42**	**780**	**385**	**1,165**

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	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
1-4	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	2
5-9	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	2	3
10-14	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	0	2
15-19	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	2	3
20-24	1	1	1	0	0	1	1	0	0	0	0	0	1	0	0	1	2	0	0	1	1	0	0	0	7	4	11
25-29	1	0	3	0	1	1	0	0	0	0	0	1	0	0	2	0	0	1	1	0	1	1	0	1	9	5	14
30-34	1	0	0	0	3	0	0	0	0	0	3	0	2	0	2	0	1	2	1	1	0	0	2	2	15	5	20
35-39	1	2	4	0	1	0	2	2	1	1	6	0	0	0	2	2	2	2	0	1	0	2	1	2	20	14	34
40-44	4	3	0	1	3	1	2	0	1	0	0	1	2	0	1	1	1	1	4	0	2	2	3	0	23	10	33
45-49	2	1	2	2	3	1	3	0	2	0	5	2	1	1	0	0	1	1	1	0	4	2	3	0	27	10	37
50-54	2	1	6	1	4	1	7	0	3	1	4	0	4	1	2	0	7	1	5	0	3	1	2	2	49	9	58
55-59	6	0	2	1	6	1	10	1	2	1	3	1	5	0	7	1	8	2	3	3	5	2	3	0	60	13	73
60-64	4	1	3	2	3	1	5	4	7	0	6	0	4	3	6	2	3	1	5	1	4	0	2	0	52	15	67
65-69	3	2	1	1	1	1	3	1	3	1	3	1	2	0	2	0	2	0	0	1	3	0	1	1	24	9	33
70-74	2	1	2	0	0	1	1	1	2	1	3	0	0	0	0	0	2	0	3	1	0	0	1	1	16	6	22
75-79	0	0	0	1	0	0	0	0	0	0	1	0	0	2	1	0	0	0	1	1	2	0	1	1	6	5	11
80 and Over	0	2	0	2	0	1	0	0	0	1	0	1	1	0	3	1	1	0	1	0	1	1	1	2	8	11	19
Total	**27**	**14**	**26**	**11**	**26**	**12**	**35**	**9**	**22**	**6**	**34**	**7**	**22**	**7**	**28**	**9**	**30**	**11**	**27**	**11**	**26**	**12**	**20**	**12**	**323**	**121**	**444**

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	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
Complications of Pregnancy, Childbirth and the Puerperium	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Congenital Anomalies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
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	0	0	0	0	0	0	0	1	0	0	0	1	0	1
Diseases of the Circulatory System	0	0	0	0	0	0	1	0	1	1	3	0	6	3	6	5	12	9	20	6	27	9	60	23	85	21	85	29	81	34	69	36	33	24	55	71	544	271	815
Diseases of the Digestive System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	1	0	0	0	2	0	1	1	2	0	0	0	1	0	0	0	0	2	8	5	13
Diseases of the Genitourinary System	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	1	0	0	0	1	0	2	2	4
Diseases of the Musculoskeletal System and Connective Tissue	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	0	0	0	0	0	1	0	0	2	0	2	0	0	0	0	0	0	1	0	0	3	1	0	0	3	0	0	0	0	1	0	0	0	0	10	4	14
Diseases of the Respiratory System	0	0	1	1	0	2	0	0	0	1	0	2	2	0	0	0	0	0	1	1	1	0	2	1	3	1	2	2	4	0	6	1	2	1	3	2	27	15	42
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	0	0	0	0	0	1	0	0	0	0	0	1	1
Endocrine, Nutritional and Metabolic Diseases and Immunity Disorders	0	0	0	0	0	0	0	0	0	0	1	0	3	1	3	1	5	2	2	1	2	2	6	1	2	4	8	1	4	1	1	0	1	0	1	0	39	14	53
Infectious and Parasitic Diseases	0	0	0	0	0	0	1	0	0	0	1	0	0	1	3	3	2	1	5	4	6	1	2	1	4	1	4	2	3	0	1	1	2	2	2	1	36	18	54
Mental Disorders	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	1	7	2	5	2	4	2	8	4	21	4	20	4	2	4	2	2	0	1	0	0	72	27	99
Neoplasms	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	3	1	1	0	1	0	3	1	4	3	0	3	5	2	5	6	23	18	41
Symptoms, Signs and Ill-Defined Conditions	0	0	0	0	1	0	0	0	0	0	0	1	0	1	0	0	0	0	1	0	1	0	3	0	0	0	1	1	2	0	0	0	0	0	0	2	9	5	14
Therapeutic Complications	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	1	1	0	0	1	1	0	0	1	2	1	6	4	10
Total	**3**	**0**	**1**	**1**	**1**	**2**	**2**	**1**	**1**	**2**	**7**	**4**	**14**	**7**	**17**	**10**	**26**	**17**	**36**	**16**	**44**	**15**	**87**	**33**	**117**	**33**	**129**	**40**	**100**	**43**	**83**	**45**	**43**	**31**	**69**	**85**	**780**	**385**	**1,165**

*** In Mental Disorders 76 were due to alcoholism.**

TABLE 69 INTERNATIONAL CODE OF CAUSES OF DEATH LISTED BY AGE GROUPS

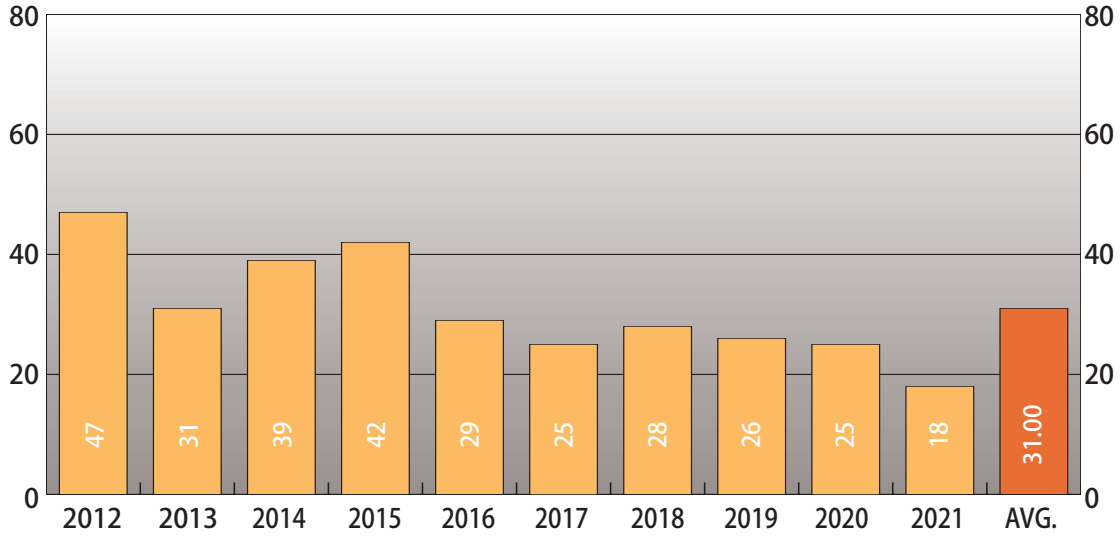
Classification of Diseases by Code	Under 1 Year		1-4		5-9		10-14		15-19		20-24		25-29		30-34		35-39		40-44		45-49		50-54		55-59		60-64		65-69		70-74		75-79		80 and Over		Total		Grand Total
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
Certain Conditions Originating in the Perinatal Period	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Congenital Anomalies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Diseases of the Circulatory System	0	0	0	0	0	0	1	0	1	1	3	0	5	1	4	2	9	6	13	4	18	5	29	4	40	8	27	10	21	5	13	4	2	4	7	9	193	63	256
Diseases of the Digestive System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	4	2	6
Diseases of the Genitourinary System	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	1	0	0	0	1	0	2	2	4
Diseases of the Nervous System and Sense Organs	0	0	0	0	0	0	0	0	0	0	2	0	1	0	0	0	0	0	0	1	0	0	3	1	0	0	2	0	0	0	0	0	0	0	0	0	8	2	10
Diseases of the Respiratory System	0	0	1	1	0	2	0	0	0	1	0	2	0	0	0	0	0	0	1	1	1	0	1	1	0	0	2	1	1	0	0	0	2	0	0	0	9	9	18
Endocrine, Nutritional and Metabolic Diseases and Immunity Disorders	0	0	0	0	0	0	0	0	0	0	1	0	3	1	3	1	5	2	0	1	1	2	5	0	2	1	4	1	1	1	0	0	0	0	0	0	25	10	35
Infectious and Parasitic Diseases	0	0	0	0	0	0	1	0	0	0	1	0	0	1	3	1	0	1	2	1	2	0	2	1	2	0	1	0	0	0	0	0	1	0	0	0	15	5	20
Mental Disorders	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	6	2	5	1	2	2	6	1	15	3	13	3	1	3	2	1	0	1	0	0	52	19	71
Neoplasms	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	3	1	1	0	1	0	2	0	0	0	0	1	1	0	0	0	8	4	12
Symptoms, Signs and Ill-Defined Conditions	0	0	0	0	1	0	0	0	0	0	0	1	0	1	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	2	3	4	7
Therapeutic Complications	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	1	0	0	0	0	0	0	0	0	0	0	2	1	3
Total	**2**	**0**	**1**	**1**	**1**	**2**	**2**	**0**	**1**	**2**	**7**	**4**	**9**	**5**	**15**	**5**	**20**	**14**	**23**	**10**	**27**	**10**	**49**	**9**	**60**	**13**	**52**	**15**	**24**	**9**	**16**	**6**	**6**	**5**	**8**	**11**	**323**	**121**	**444**

*** In Mental Disorders 69 were due to alcoholism.**

FAMILY FUN DAY, CLEVELAND

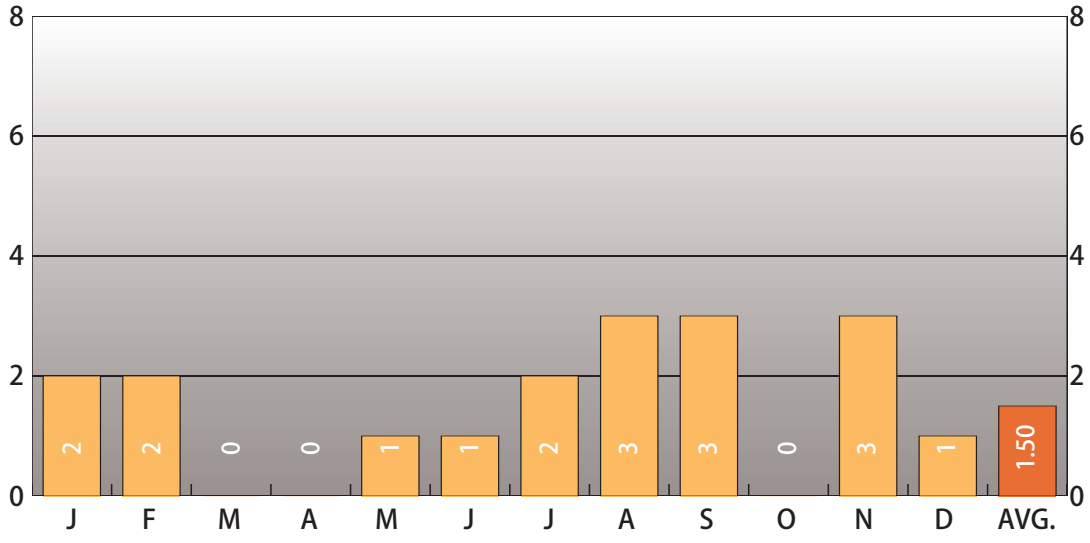
Photograph by G. Wilson

2021 UNDETERMINED MANNER
FOR A PERIOD OF TEN YEARS



2021
TOTAL CASES
18

2021 UNDETERMINED MANNER
BY MONTH FOR THE YEAR 2021



		Number	Percent
Gender	Male	15	83.33%
	Female	3	16.67%
Race	White	4	22.22%
	Black	14	77.78%
Ethnicity	Hispanic	0	0.00%
	Non-Hispanic	18	100.00%
Ethanol	Tested	7	38.89%
	Positive	4	57.14%
Autopsied		17	94.44%

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.	2	0	2	0	0	0	2	0	0	0	2	0	2	0	0	0	0
Feb.	2	2	0	0	0	2	0	0	0	2	0	1	0	1	0	0	0
Mar.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Apr.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
May	1	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
Jun.	1	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
July	2	2	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0
Aug.	3	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0
Sept.	3	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0
Oct.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nov.	3	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0
Dec.	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Total	**18**	**15**	**3**	**10**	**1**	**5**	**2**	**3**	**0**	**2**	**2**	**1**	**2**	**1**	**0**	**0**	**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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	5	0	5	2	0	2	1	2	0	0	1	0	1	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
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	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	1	0	1	1	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	1	0	0	0	0	0	0	0	0	0	0	0	0
35 - 39	White	1	0	1	0	0	1	0	0	0	1	0	1	0	0	0	0	0
	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	1	0	1	0	0	0	0	0	0	0	0	0
	Black	2	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0

AGE - RACE - ETHNICITY - ETHANOL INCIDENCE (continued)

TABLE 71

					Not Tested		Tested						Stages					
			Ethnicity				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	1	0	1	1	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	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
60 - 64	White	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	2	0	2	1	0	1	0	0	0	1	0	0	0	1	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 - 74	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
75 - 79	White	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	Black	2	0	2	1	0	0	1	0	0	0	1	0	1	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	White	4	0	4	2	0	2	0	1	0	1	0	1	0	0	0	0	0
	Black	14	0	14	8	1	3	2	2	0	1	2	0	2	1	0	0	0
Grand Total		**18**	**0**	**18**	**10**	**1**	**5**	**2**	**3**	**0**	**2**	**2**	**1**	**2**	**1**	**0**	**0**	**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	6	6	0	3	0	3	0	1	0	2	0	1	0	1	0	0	0
Undetermined Non-Violence	5	4	1	3	0	1	1	1	0	0	1	0	1	0	0	0	0
Undetermined Violence	7	5	2	4	1	1	1	1	0	0	1	0	1	0	0	0	0
Total	**18**	**15**	**3**	**10**	**1**	**5**	**2**	**3**	**0**	**2**	**2**	**1**	**2**	**1**	**0**	**0**	**0**

MODE - AGE GROUPS

TABLE 73

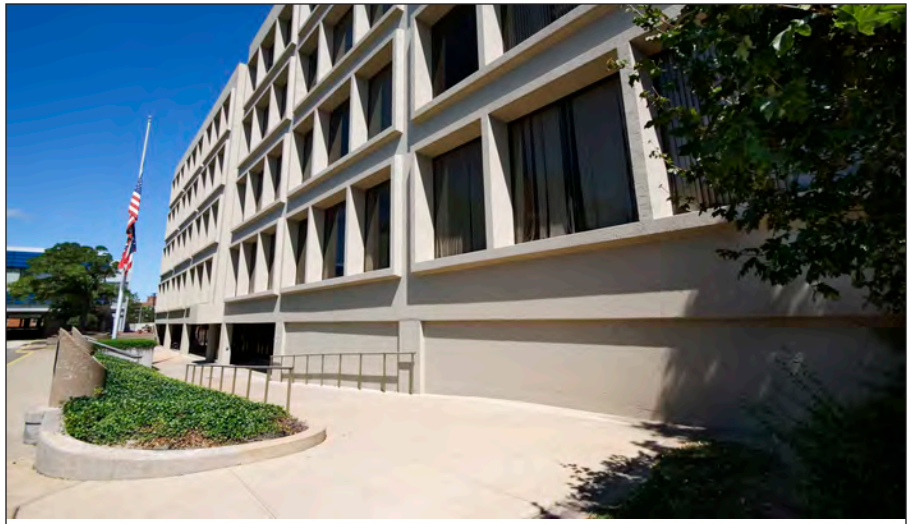
Mode	Under 1 Year		1-4		5-9		10-14		15-19		20-24		25-29		30-34		35-39		40-44		45-49		50-54		55-59		60-64		65-69		70-74		75-79		80 and Over		Total		Grand Total
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
Undetermined Cause	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	0	1	0	0	0	0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

Photograph by G. Wilson

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

Office of the Director of Operations

- 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.
- Epidemiology – Works with various public health agencies to interpret and disseminate trends from the Medical Examiner's Office.
- 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.
- Health & Wellness – Provides opportunities for on-site medical services, coordinates off-site medical needs, maintains fitness center.
- 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.
- Safety & Security – Runs building safety committee, engages outside partners and vendors to provide training and enhance security measures both inside the building and the entire facility campus.

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 turnaround 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.

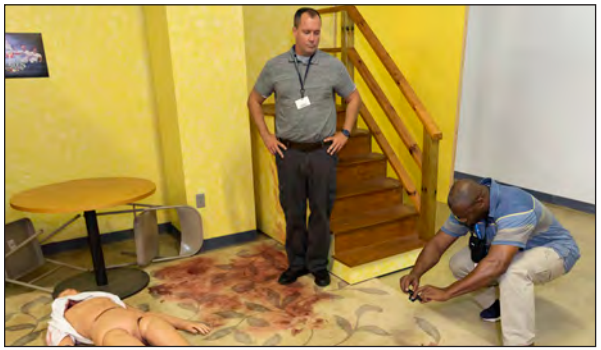
2021 Accomplishments

- Continued full operations of the office and forensic lab through COVID-19 pandemic.
- Provided surveillance data to Board of Health about reported COVID-19 deaths to the Office.
- Firearms lab added to National Correlations Center (ATF).
- Provided drug chemistry services for the State of Ohio.
- Office and Labs continue to maintain full accreditations.
- Out of County autopsies performed exceed 200 for tenth consecutive year (2011 – 174; 2012 – 224; 2013 – 202; 2014 – 217; 2015 – 240; 2016- 317; 2017- 434; 2018- 434; 2019 - 418; 2020 - 444) and over 400 for 5th time - projected to exceed 500 for 1st time ever (already 458 in 2021).
- Sexual Assault kit testing on-going with over 4,000 cases submitted since start in May 2012.
- Firearms lab marks 3,000 and 4,000 leads from submissions to NIBIN.
- Over 750 trained by CCMEO via emote Death Investigation training courses.

2021 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.



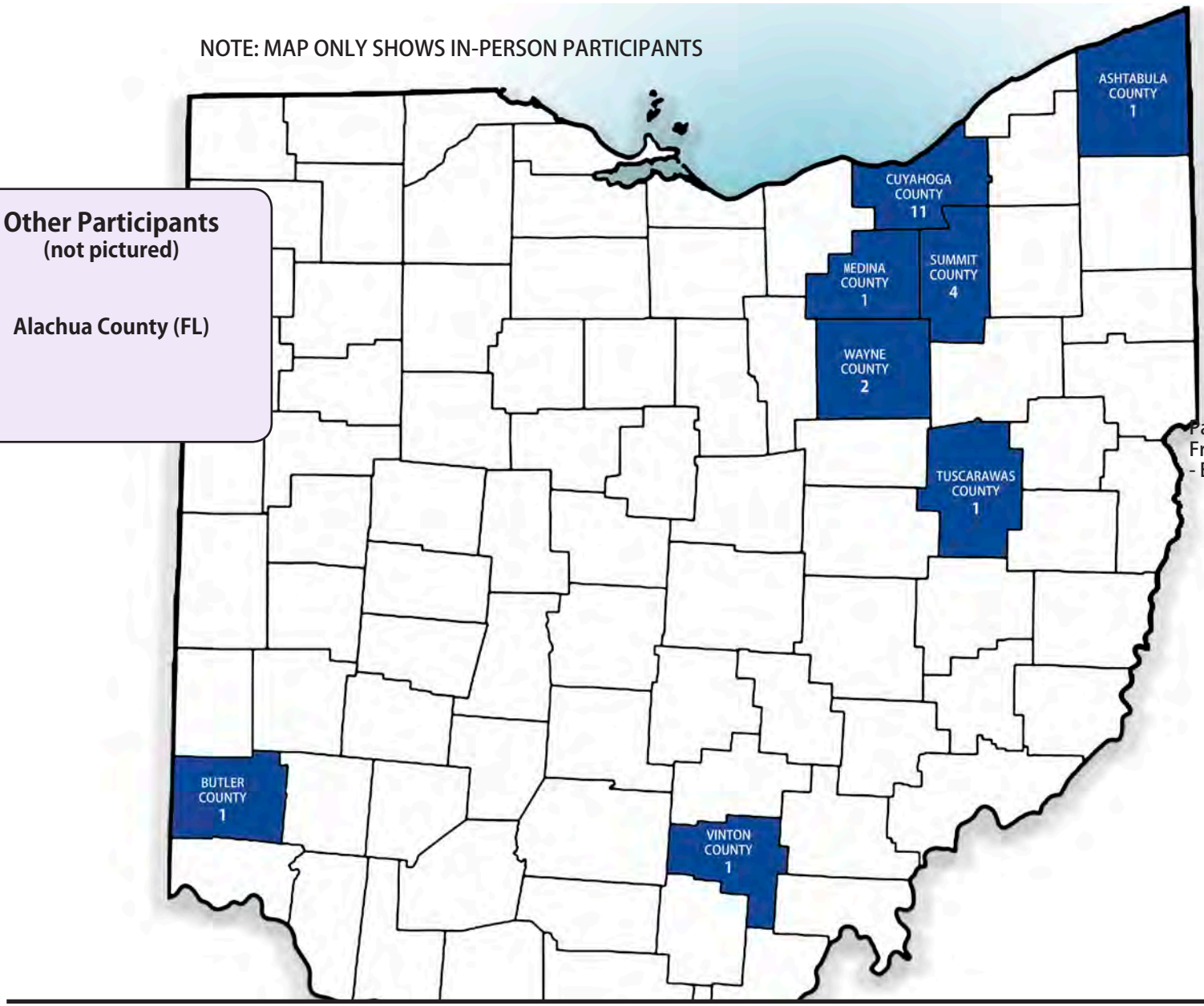
After attending this course, participants are able to...

- 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 2021, 100 (virtual & in-person) medical, law enforcement, and legal professionals attended training at the Cuyahoga County Medical Examiner's Office.

2021 DISTRIBUTION OF MEDICOLEGAL DEATH SCENE INVESTIGATION TRAINING PARTICIPANTS BY COUNTY*

NOTE: MAP ONLY SHOWS IN-PERSON PARTICIPANTS



Other Participants
(not pictured)

Alachua County (FL)

Page 188 – Table 72 – 2021 Deaths From Undetermined Manner (Mode - Ethanol Incidence)

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.

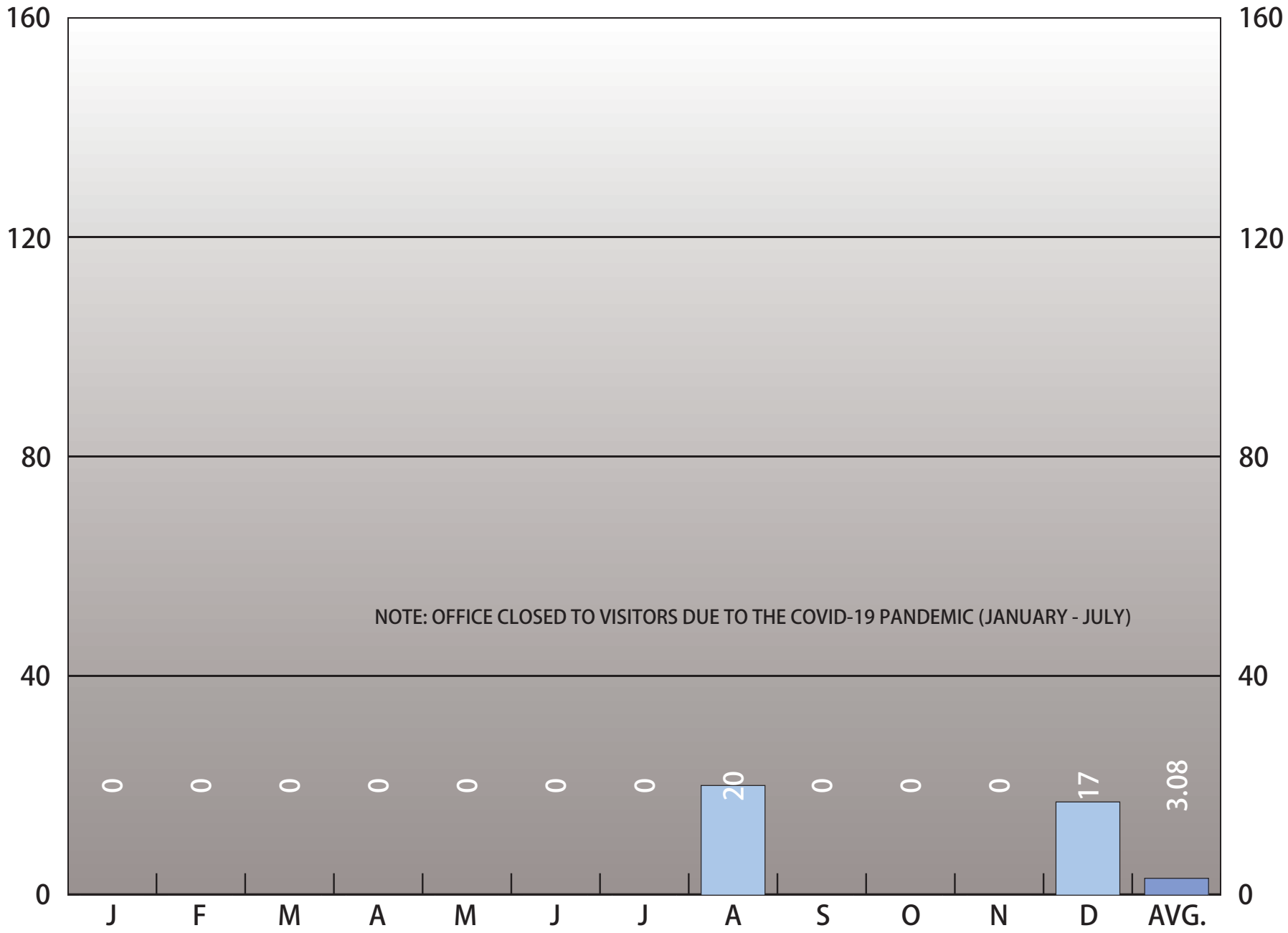
The Cuyahoga County Medical Examiner's Student Shadow Program program consists of small classes of 12 participants for a day-long concentrated program. There are separate shadow experiences for high school or college-level students and the programs are only available to Juniors and Seniors.

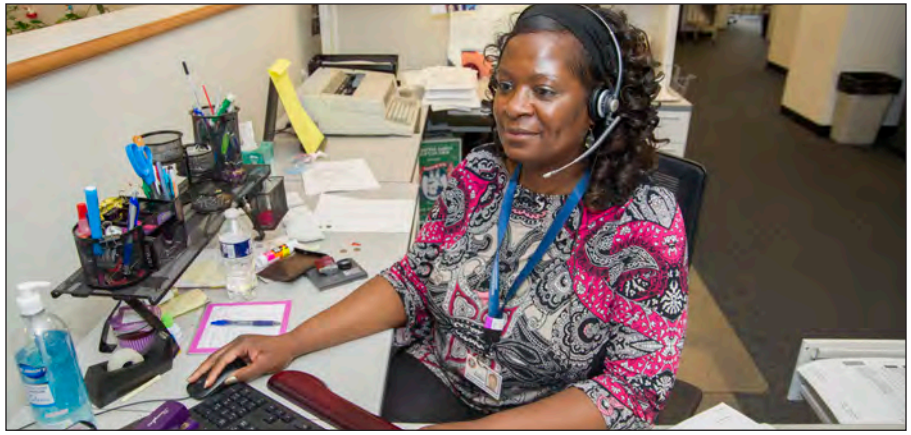
In 2019, the office established The Cuyahoga County Medical Examiner's Office Citizens Academy, in an effort to educate residents on the functions and duties of the office/laboratory. This is the first Medical Examiner's/Coroner's Office Citizen Academy to be established nationwide.

The 10-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 2020, 37 guests participated in educational tours and training at the Cuyahoga County Medical Examiner's Office. Visitors were from the following organizations; Cuyahoga County Prosecutor's Office and Hawken High School.

2021 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 2020 the Medical Examiner's Office provided records for 4,709 requests.** That's more than 90 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

2021 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.

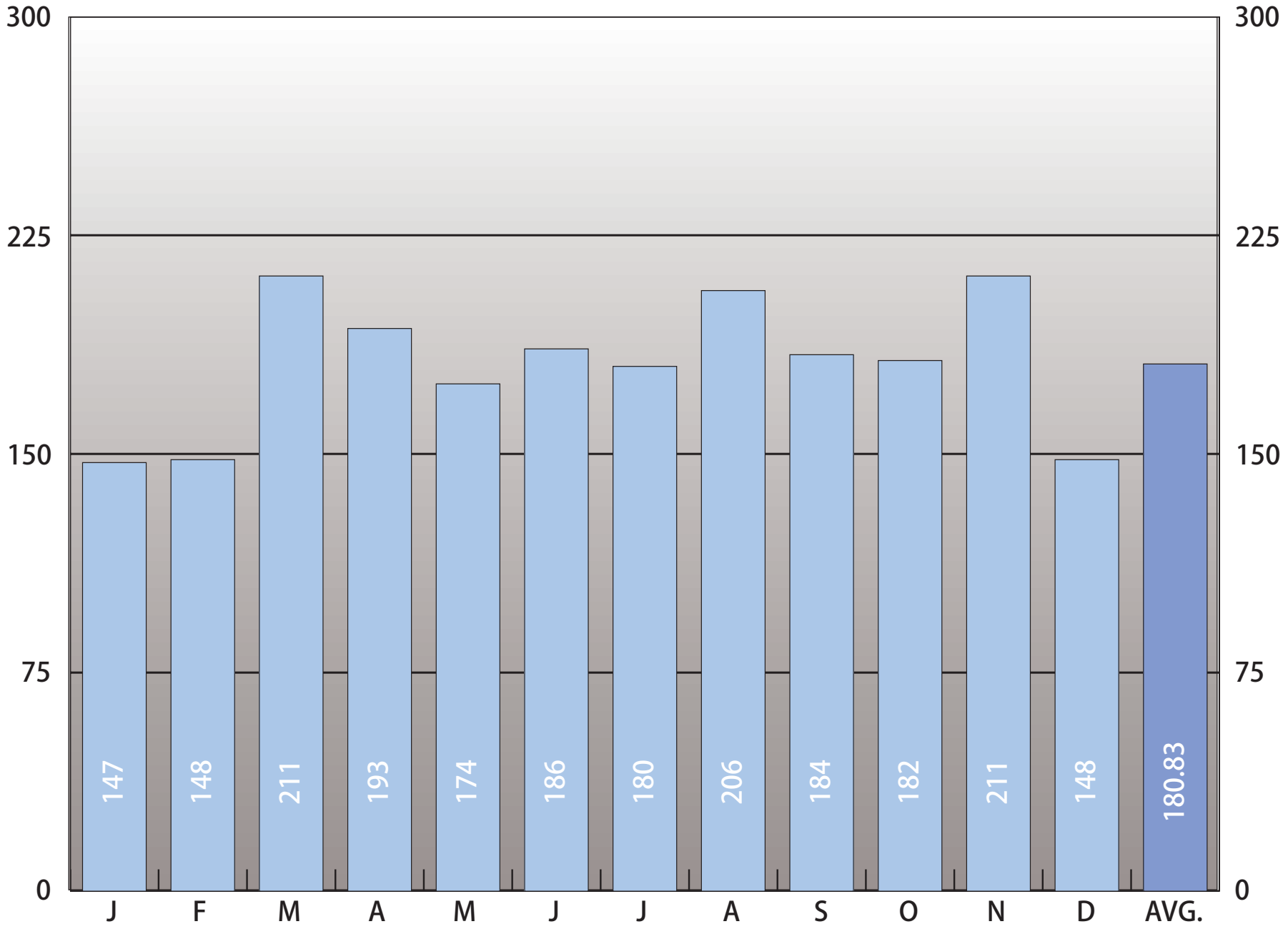
The slides produced are used primarily as a diagnostic tool by the Forensic Pathologist to aid in determining cause and manner of death. Generally, histologic slides are viewed in combination with all evidence collected to make a ruling. However, there are some diagnoses, such as myocarditis, made only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

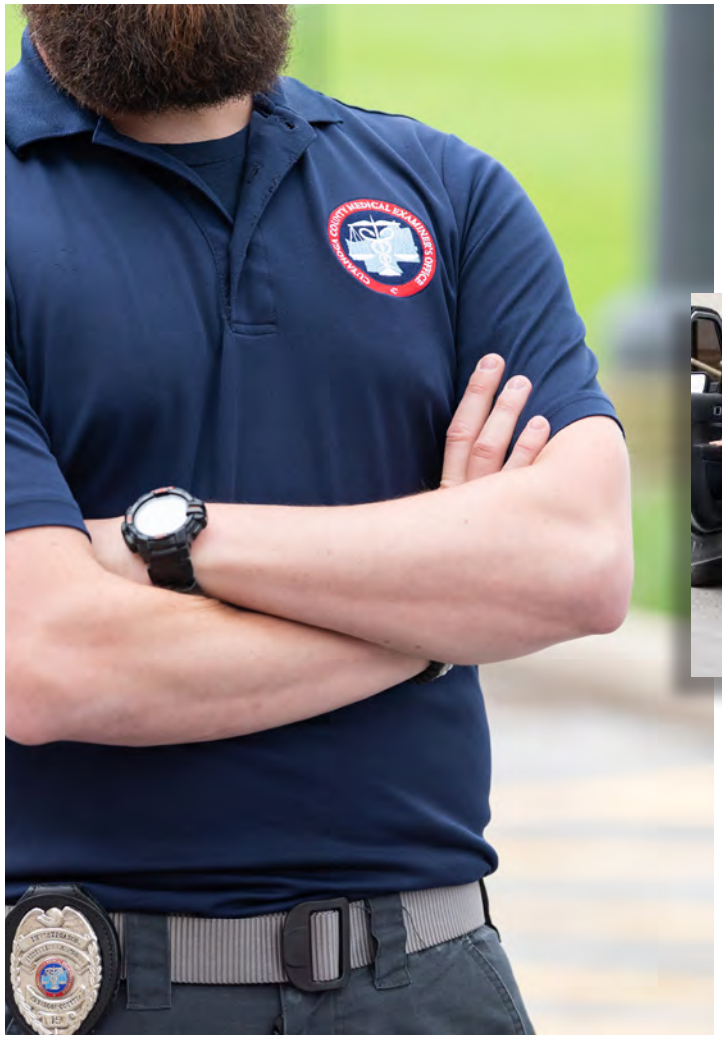
Histology slides also serve as an investigative tool helping to solve cold cases when no other DNA evidence is available. Oral, vaginal and rectal (OVR) swabs are taken in cases of suspected homicide and sexual assault. Slides are made after the swabs are rubbed on glass slides and stained for the Pathologist to view. Rape, assault, and abuse are all areas in which OVR smears are a part of physical evidence that can help prove the guilt or innocence of a defendant. In certain cases, OVR slides can be used to establish paternity. 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.

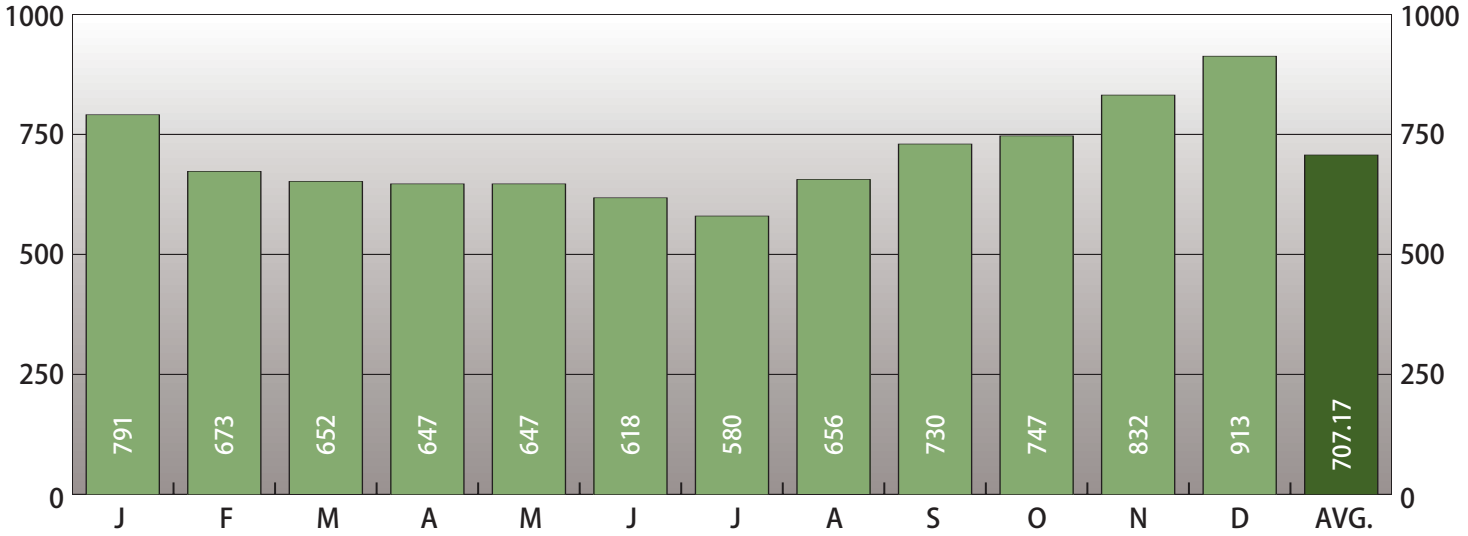
TOTAL NUMBER OF SPECIMENS COMPLETED BY MONTH FOR THE YEAR 2021



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.



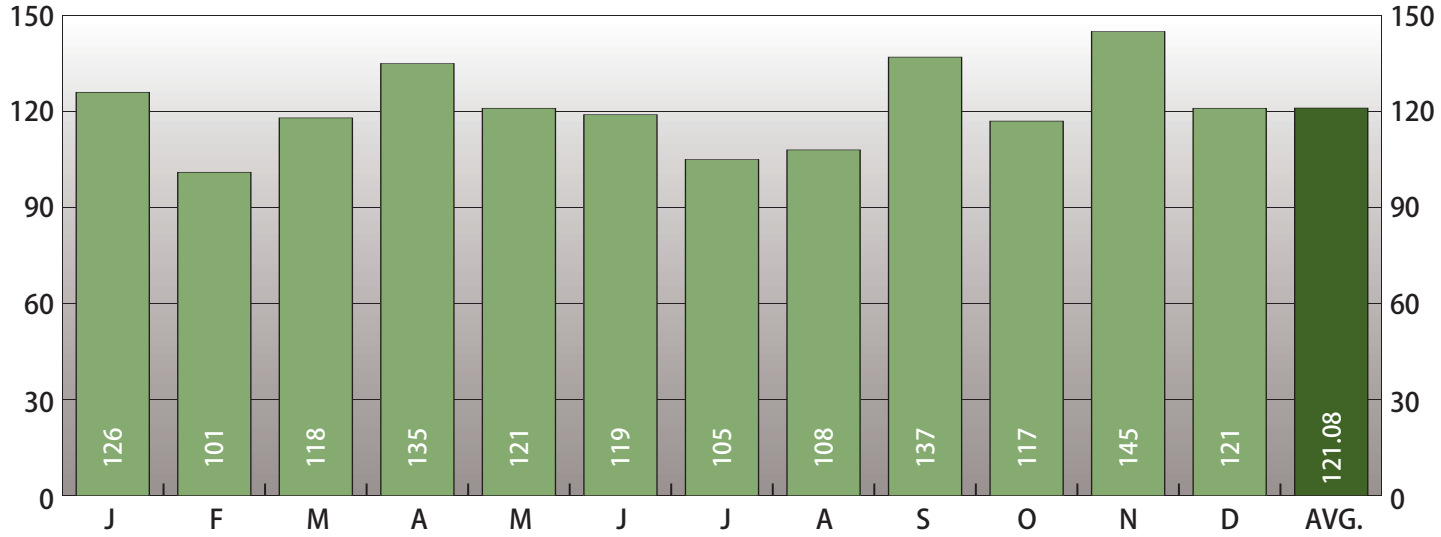
TOTAL NUMBER OF HANDLED CASES BY MONTH FOR THE YEAR 2021



2021
TOTAL CASES
8,486

2021 INVESTIGATIVE UNIT REPORT

TOTAL NUMBER OF SCENE INVESTIGATIONS BY MONTH FOR THE YEAR 2021



2021
TOTAL SCENES
1,453

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.

Photograph by G. Wilson

2021 PATHOLOGY DEPARTMENT REPORT

The Department of Pathology is staffed by 8 full time physicians who are Board Certified Forensic Pathologists and 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.

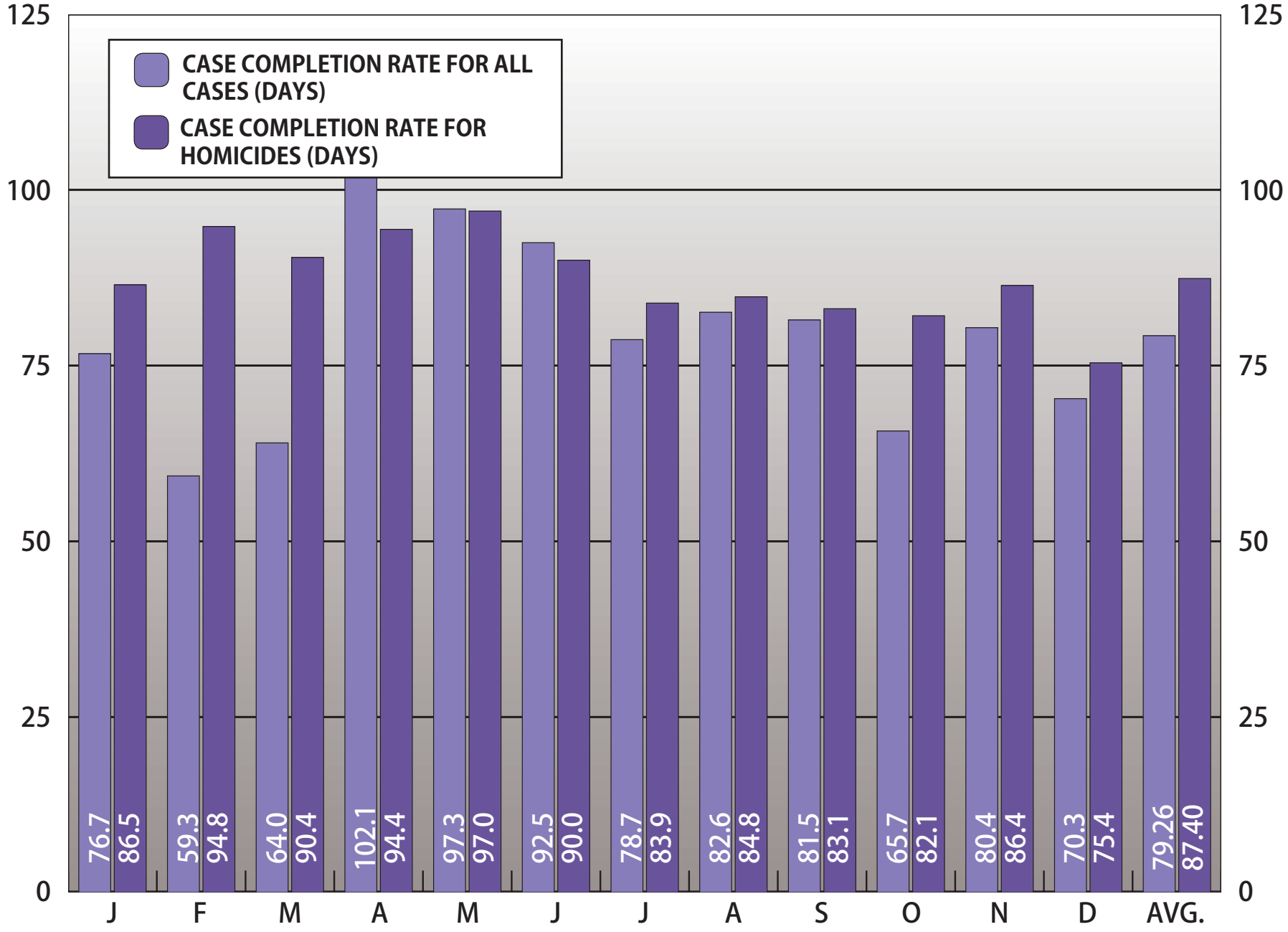
Pathology is a medical specialty that concerns the diagnosis of disease through examination of body tissue and fluids. There are two main branches of pathology – anatomic and clinical. Anatomic pathology involves examination of body tissues removed from the body. Surgical pathology and cytology are the 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. Many 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.

2021 PATHOLOGY CASE COMPLETION RATES



2021 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.

2,737 radiographs were made in 2021 of inside cases.
1,136 radiographs were made in 2021 of outside cases.

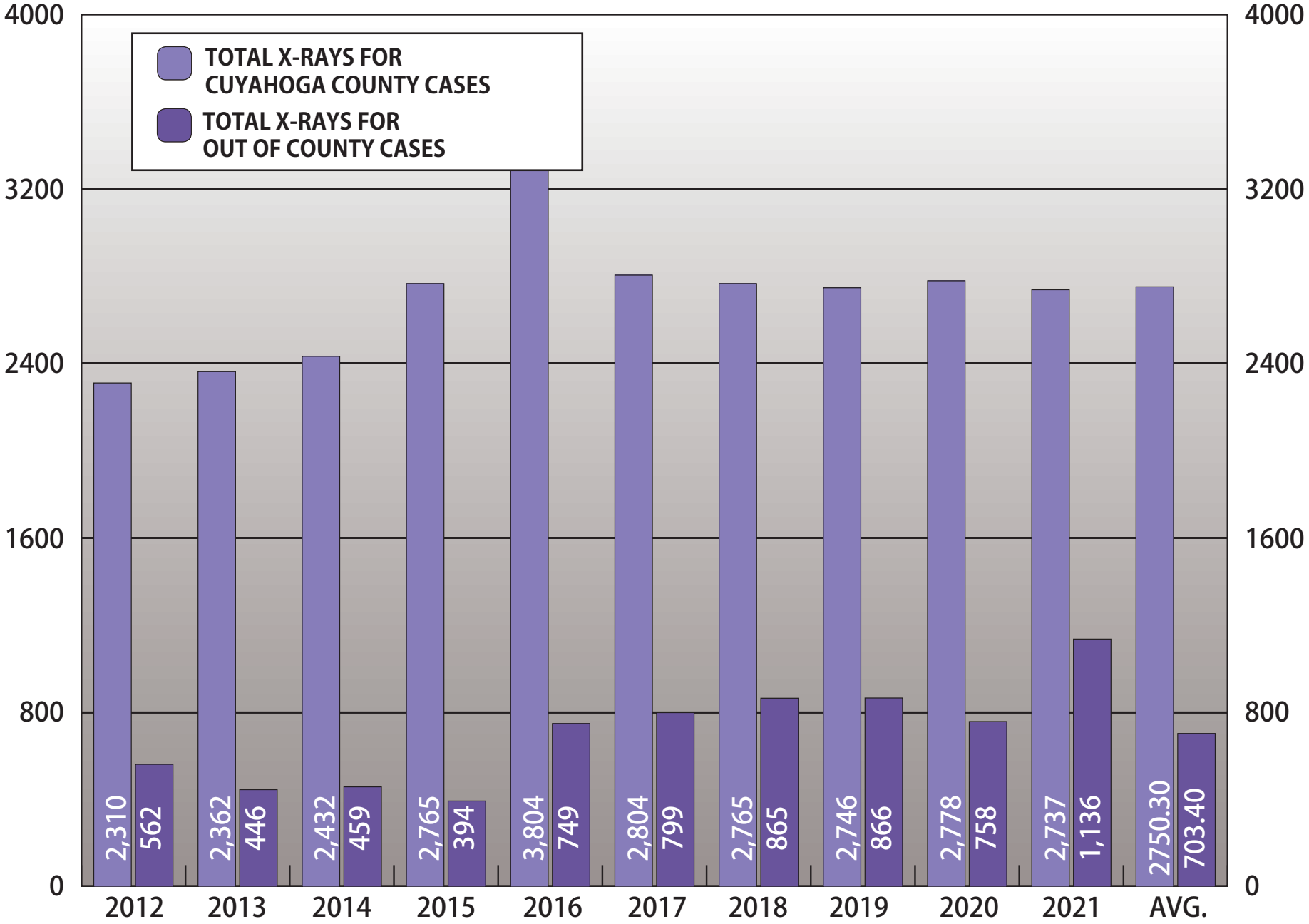
547 inside cases required x-ray procedures in 2021.
243 outside cases were x-rayed in 2021.

The average number of images obtained per x-rayed case was 4.26.

36.4% of all autopsied cases required some form of radiologic procedure.

Approximately 432 of the cases requiring x-rays were a result of gun shot/shooting injury

X-RAYS FOR A PERIOD OF TEN YEARS



2021 PHOTOGRAPHY UNIT REPORT

Since the inception of the Photography Unit in 1951 (one of the oldest in the U.S.), the primary purpose of the department is 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.

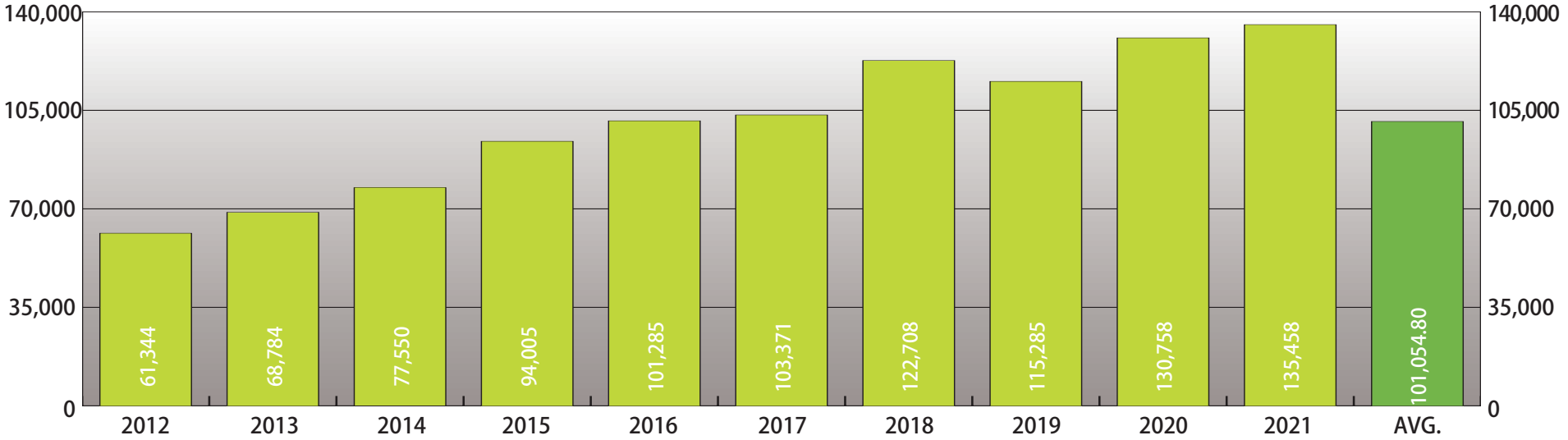
Photography, as part of a case report, provides visual support to the written notes and observations of the pathologist during viewing or autopsy, the forensic scientist's examination of clothing or evidence, and the findings of other staff members. It is a teaching aid in lectures and a visual aid in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

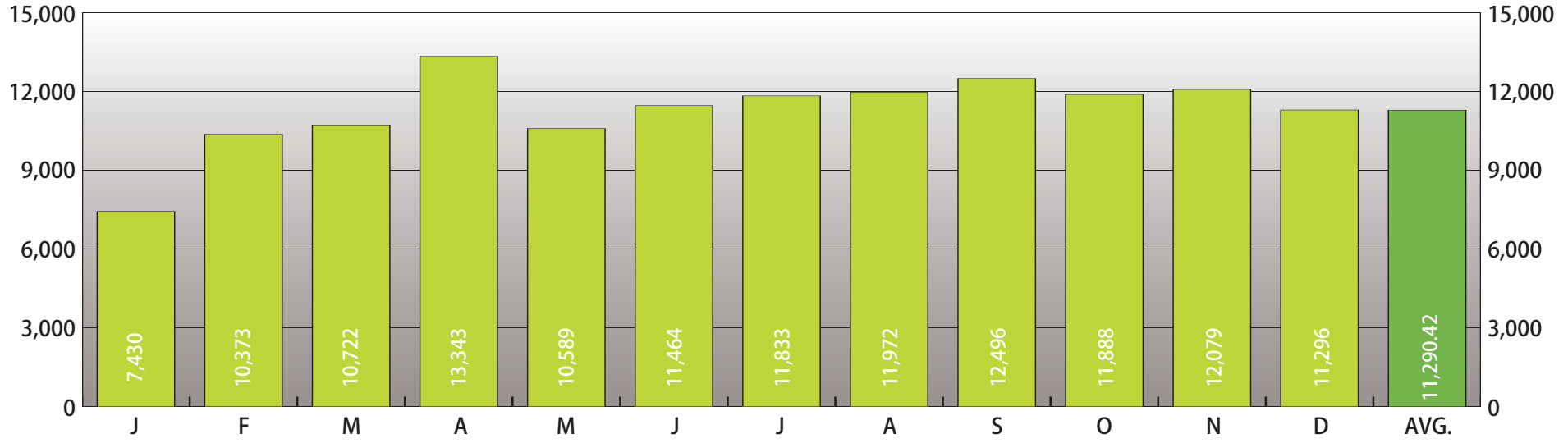
As the demand for products and services offered by the Photography Unit increases, the dedicated staff continues to improve themselves with targeted training and instruction. Through sustained learning, forensic photographers are exposed to new skills, techniques, and emerging technologies. This emphasis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

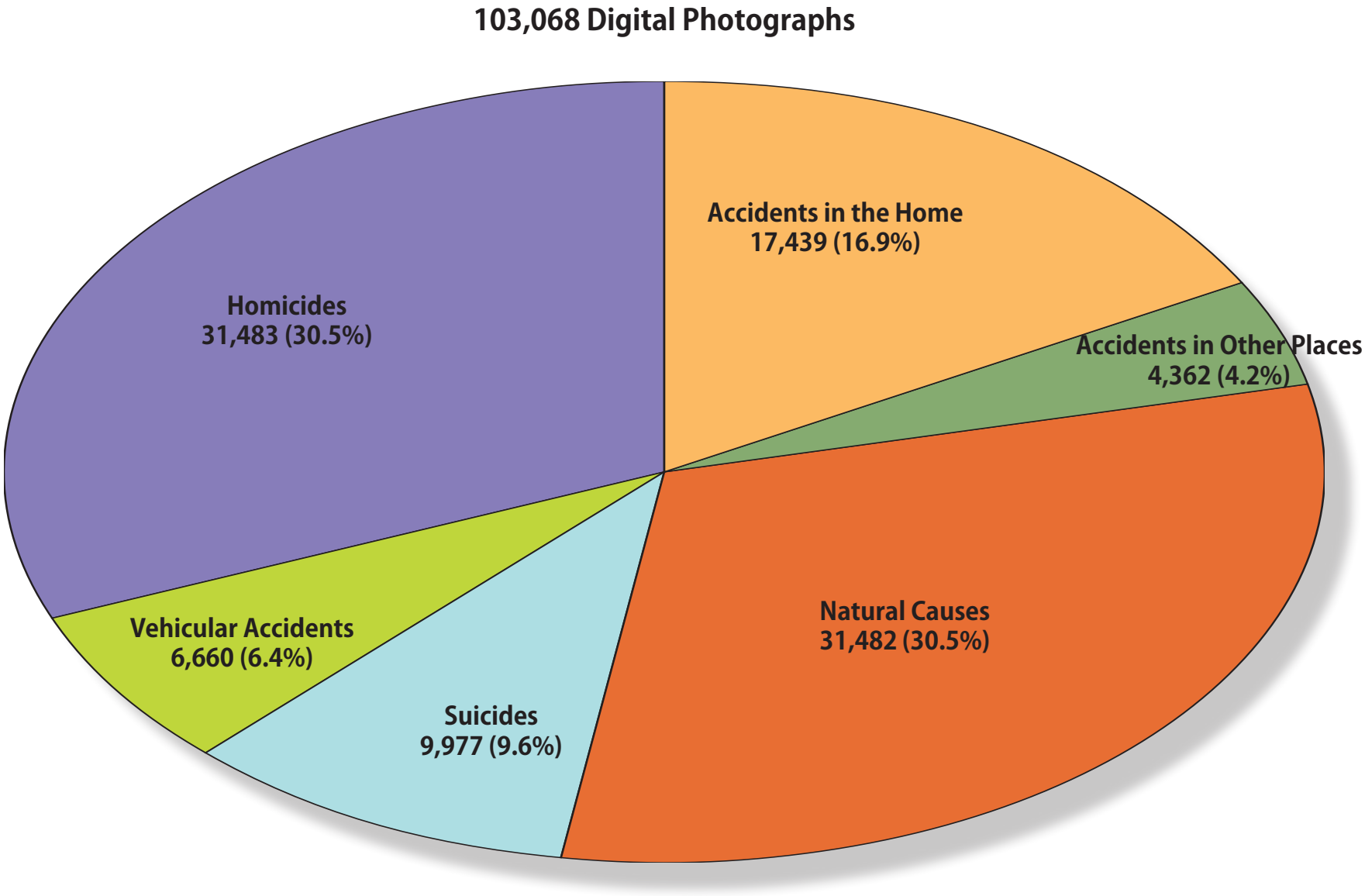


2021 PHOTOGRAPHY UNIT REPORT

TOTAL NUMBER OF RECORDED IMAGES BY MONTH FOR THE YEAR 2021

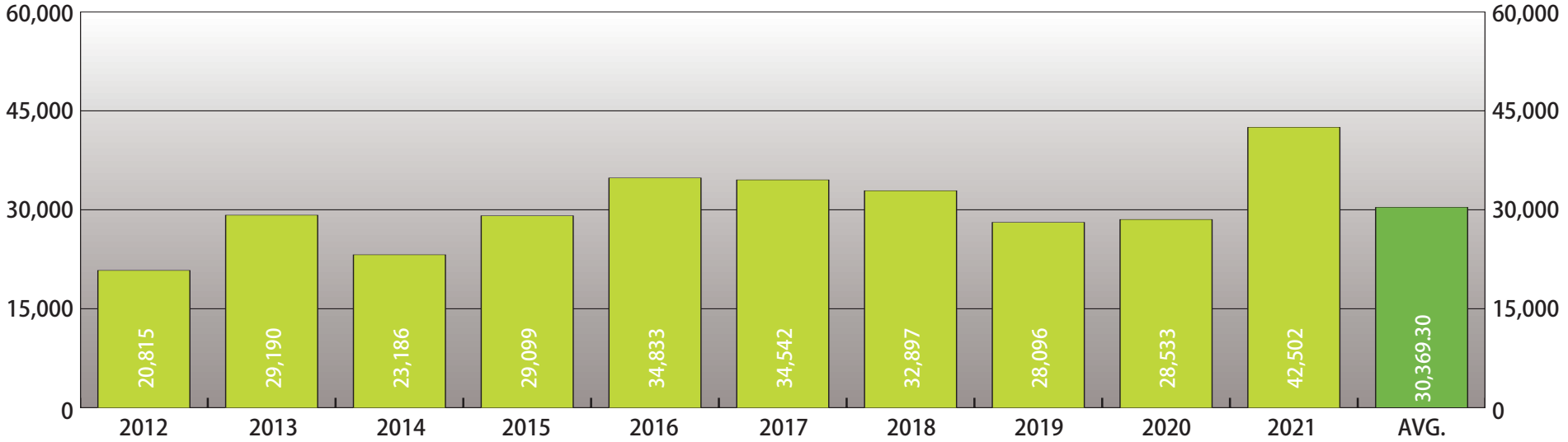


RECORDED IMAGES BY MANNER OF DEATH*



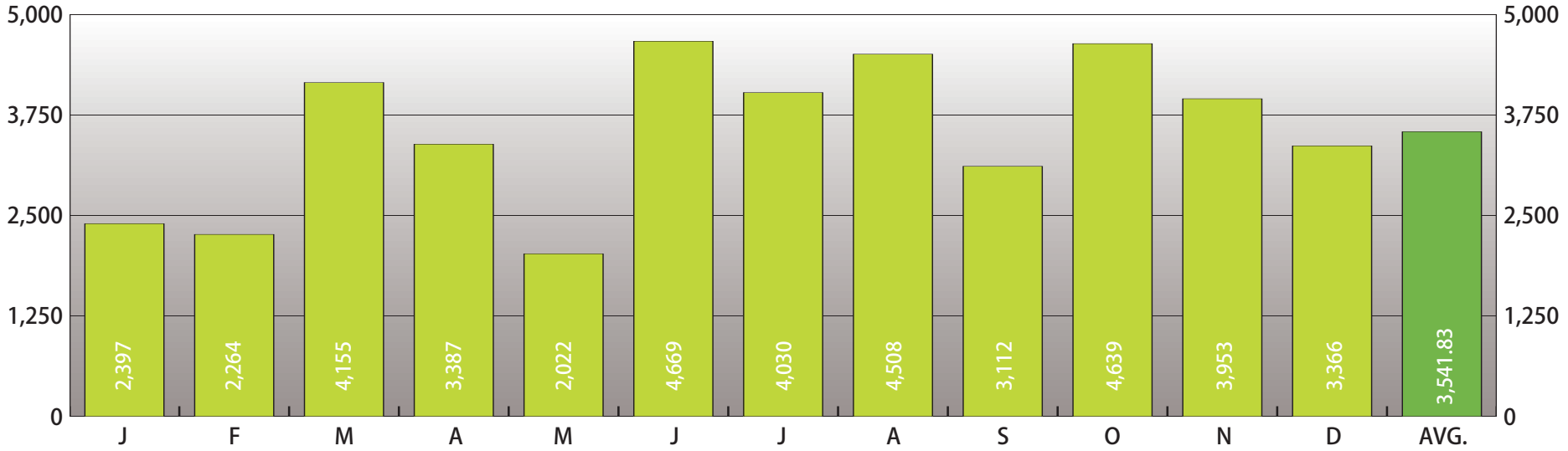
*Not included on this chart: Accidents While at Work (436), No Manner Issued (263), and Undetermined Causes (966).

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



2021 PHOTOGRAPHY UNIT REPORT

TOTAL NUMBER OF RELEASED IMAGES (PRINTED AND DIGITAL) BY MONTH FOR THE YEAR 2021

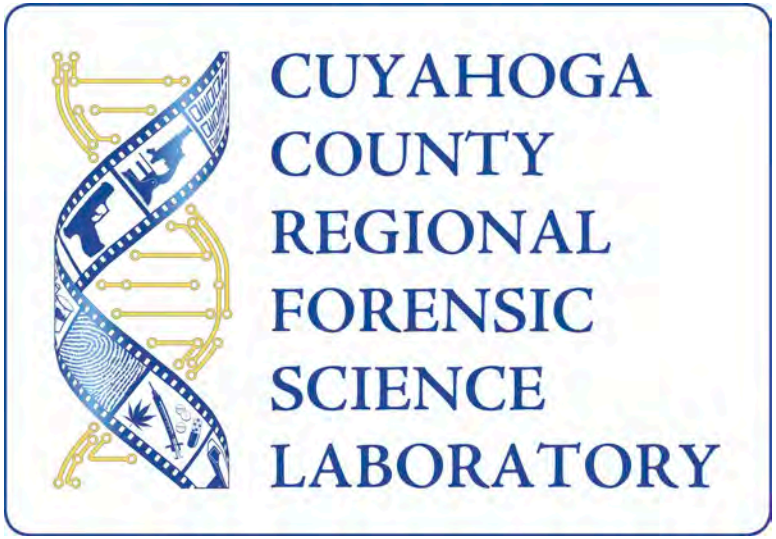


While in the planning for over a decade, "The Lab" has been in operation for only a brief time. However, it is built upon the foundation of one of the oldest and longest continuously running coroner labs in the nation. Now under a new government, Cuyahoga County appoints a professional forensic pathologist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



Photograph by G. Wilson

2021 DRUG CHEMISTRY SECTION REPORT

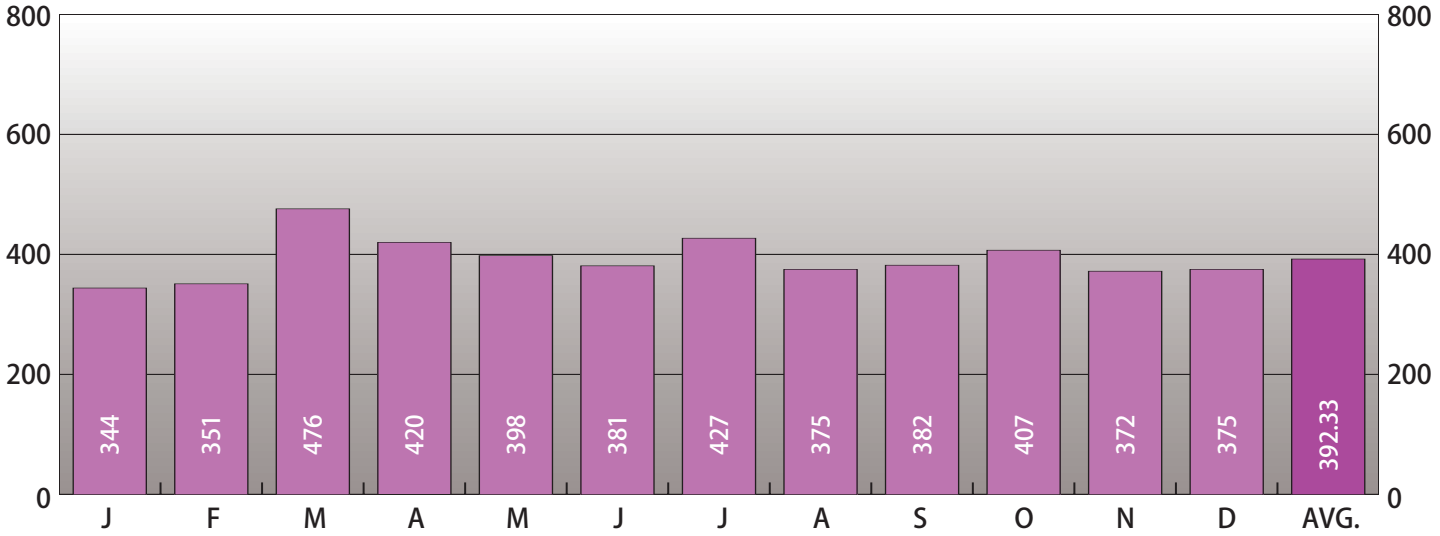
The Drug Chemistry Section started in 2008 as plans for a regional crime lab began to take shape. The Coroner's Drug Chemistry Section became more of a reality when an agreement was reached with the Cuyahoga County Sheriff for the Coroner's office to be the sole provider of controlled substance testing 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. Since that time, the Cuyahoga County Regional Forensic Science Laboratory has been created and all agencies within Cuyahoga County can submit drug evidence to the lab free of charge. We also provide services to multiple federal agencies.

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 Laboratory 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 6.1 days to complete a case in 2020. 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.

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 can test for all controlled substances except for the quantitation of marijuana. Most samples submitted routinely contain mixtures of compounds. Previously a sample would contain only one drug. Now it is very common for a sample to contain 3 to 6 different drugs. The future will undoubtably show changes in the drug market, similar to the changes we have seen over the last 10 years, and the Drug Chemistry Section will be ready for it.

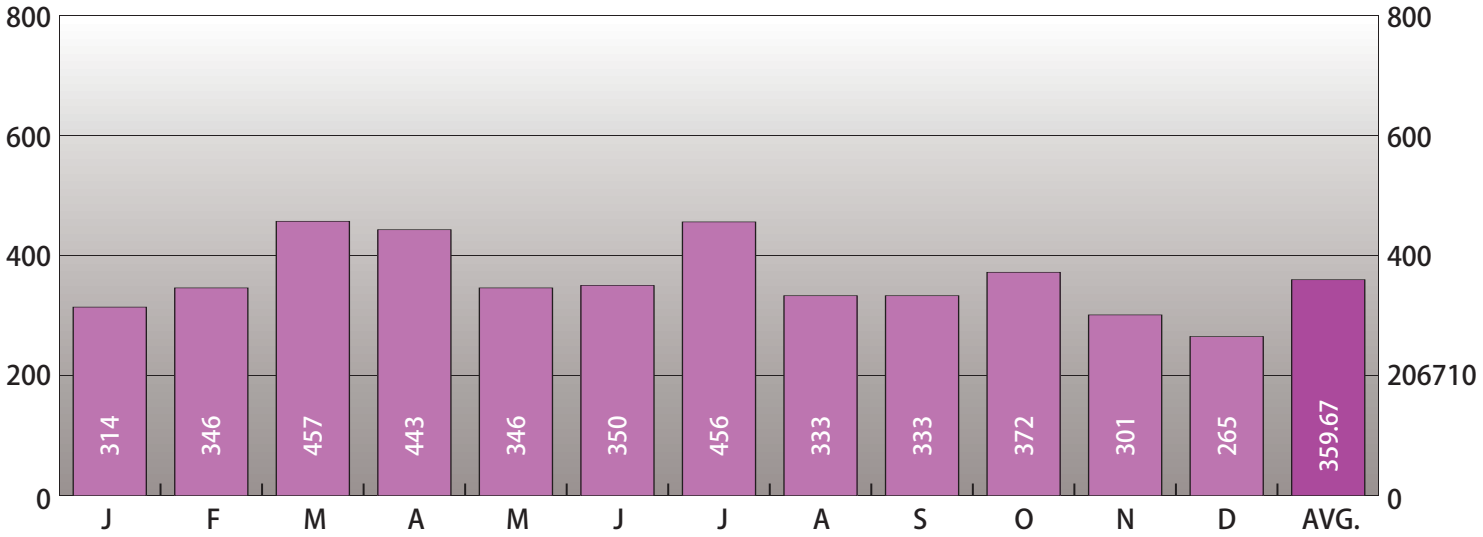
CASES SUBMITTED BY MONTH FOR THE YEAR 2021



2021
TOTAL CASES
4,708

2021 DRUG CHEMISTRY SECTION REPORT

CASES COMPLETED BY MONTH FOR THE YEAR 2021



2021 CASELOAD BY SUBMITTING AGENCY

TABLE 74

Submitting Agency	Cases	Items	Submitting Agency	Cases	Items	Submitting Agency	Cases	Items
CPD-4th District	402	828	Beachwood Police Department	23	40	Olmsted Township Police Department	4	8
CPD Narcotics Unit	396	801	Westshore Enforcement Bureau	22	50	Bay Village Police Department	3	5
Cuyahoga County Sheriff Office	355	705	Bedford Police Department	20	39	Moreland Hills Police Department	3	11
CPD-2nd District	301	700	Fairview Park Police Department	20	34	Southwest General Police Department	3	4
CPD Gang Impact Unit	298	598	Shaker Heights Police Department	19	32	U.S. Pretrial Services and Probation Office	3	5
CPD-5th District	216	351	SPAN Drug Enforcement Unit - SDEU	19	100	Bedford Heights Police Department	2	4
CPD-3rd District	211	580	Homeland Security Investigations	18	58	Broadview Heights Police Department	2	5
CPD-1st District	164	506	Brooklyn Heights Police Department	17	38	Federal Bureau of Investigation	2	3
Parma Police Department	158	344	Chester Township Police Department	16	26	Pepper Pike Police Department	2	3
Cuyahoga County Medical Examiners Office	155	175	Brooklyn Police Department	15	23	University Heights Police Department	2	2
Westlake Police Department	137	280	CPD Homicide Unit	15	26	University Hospitals Police Department	2	2
Euclid Police Department	117	273	Lyndhurst Police Department	15	32	Brecksville Police Department	1	1
Lakewood Police Department	117	311	Richmond Heights Police Department	14	17	Case Western Reserve University PD	1	1
North Royalton Police Department	114	144	Cleveland Clinic Police Department	13	24	Chagrin Falls Police Department	1	3
North Olmsted Police Department	112	248	Garfield Heights Police Department	13	19	Cleveland State University Police	1	5
East Cleveland Police Department	97	173	Bratenahl Village Police Department	12	13	CPD Environment Crimes Task Force	1	7
CMHA Police Department	93	171	University Circle Police Department	12	19	CPD Sex Crimes Unit	1	7
Cleveland Heights Police Department	81	329	ATF Alcohol Tobacco and Firearms	11	49	Gates Mills Police Department	1	3
Middleburg Heights Police Department	56	111	Newburgh Heights Police Department	11	16	Portage County Drug Task Force	1	3
RTA Transit Police	55	74	Seven Hills Police Department	10	11	Rocky River Police Department	1	3
Berea Police Department	52	94	Linndale Police Department	9	10	South Euclid Police Department	1	1
US Postal Inspection Service	49	121	Mayfield Heights Police Department	9	11	U.S. Marshal Service	1	1
Cleveland MetroPark Ranger Department	46	72	Olmsted Falls Police Department	9	16	Walton Hills Police Department	1	3
Strongsville Police Department	44	77	Highland Heights Police Department	8	12			
CPD NICE Unit	41	116	Independence Police Department	8	12			
DEA Cleveland	33	317	Parma Heights Police Department	8	18			
Brookpark Police Department	32	53	Mayfield Village Police Department	7	9			
Southeast Area Law Enforcement - SEALE	25	91	Orange Village Police Department	6	11			
Oakwood Village Police Department	24	38	Cuyahoga Heights Police Department	4	9			

TABLE 75

2021 CONTROLLED SUBSTANCE RESULT FREQUENCY*

Controlled Substance	Total	Controlled Substance	Total	Controlled Substance	Total
Cocaine	4412	Lysergic Acid Diethylamide	69	Lidocaine	12
Methamphetamine	4110	Etizolam	57	Methylphenidate	12
Fentanyl	2965	Clonazepam	53	Stanozolol	12
4-ANPP	2090	Insufficient Sample to Confirm Analyte	51	Hydrocodone	11
No Controlled Substance or Other Significant Compound	1480	MDMA	47	Trazodone	11
Heroin	936	N-butyl Pentylone	42	Lisdexamphetamine	10
THC	739	Monoacetylmorphine	41	ADB-FUBIATA	9
Fluorofentanyl	672	Hashish Oil	38	N,N-Dimethylamphetamine	9
No Analysis Performed (Non-Scheduled Medication)	663	Ketamine	37	Testosterone Decanoate	9
No Identification Performed (Weight Only)	570	Flualprazolam	36	2-CB	8
Eutylone	493	Buprenorphine	32	3-Hydroxy-PCP	8
Tramadol	425	Tenocyclidine	30	Methadone	8
Acetylfentanyl	285	Benzylfentanyl	29	Tapentadol	8
Caffeine	215	Bromazolam	29	Testosterone Isocaproate	8
ADB BUTINACA	181	Diazepam	29	Testosterone Propionate	8
Cannabis Derivative Product	178	Hydrocodone and Acetaminophen	29	Carfentanil	7
Oxycodone	177	Sildenafil	27	Etonitazepyne	7
Phencyclidine (PCP)	169	Gabapentin	26	Lorazepam	7
Marihuana	138	Bupropion	25	Nandrolone Decanoate	7
Amphetamine	135	Flubromazolam	23	Testosterone Phenylproprionate	7
Alprazolam	119	Modafinil/Armodafinil	23	3,4-Methylenedioxy-N-benzylcathinone	6
Acetaminophen	115	N,N-Dimethyltryptamine (DMT)	22	Aspirin	6
Isotonitazene	109	Promethazine	22	Dextromethorphan	6
Clonazolam	108	Quinine	22	Lamotrigine	6
Oxycodone and Acetaminophen	104	Mitragynine (Kratom)	20	Methandrostenolone	6
Buprenorphine and Naloxone	100	Melatonin	19	N-Ethylpentylone	6
Diphenhydramine	87	Metonitazine	18	Carisoprodol	5
Nicotine	86	Naloxone	18	Testosterone Cypionate	5
Psilocyn	85	Morphine	14	Testosterone Enanthate	5
MDMB-4en-PINACA	83	3,4-Methylenedioxy-PV8	12	Trenbolone Acetate	5

2021 CONTROLLED SUBSTANCE RESULT FREQUENCY* (continued)

TABLE 75

Controlled Substance	Total	Controlled Substance	Total	Controlled Substance	Total
CBD	4	Pregabalin	2	Naproxen	1
MDA	4	Tadalafil	2	NM2201	1
MMMP	4	Zolpidem	2	N-Methyl-Norfentanyl	1
Valerylfentanyl	4	1,4-Butanediol	1	Nordiazepam	1
4-Anilinopiperdine	3	2-Fluoro Deschloroketamine	1	Oxymorphone	1
4-Fluoro-MDMB Butinaca	3	4-Cyano-Cumyl-Butinaca	1	Phenibut	1
Chlorofentanyl	3	4-Fluoro-MDMB-Butica	1	Phentermine	1
Clobazam	3	4-Methylmethcathinone	1	Promethazine and Dextromethorphan	1
Codeine and Acetaminophen	3	5-MeO-DBT	1	Trenbolone Enanthate	1
Doxepin	3	Acrylfentanyl	1		
Hydrocodone Oral Solution	3	Adinazolam	1		
Hydromorphone	3	Boldenone Propionate	1		
Propoxyphene and Acetaminophen	3	Buspirone	1		
Quetiapine	3	Citalopram/Escitalopram	1		
Testosterone	3	Codeine	1		
5-Fluoro-MDMB-PICA	2	Codeine Syrup	1		
Benzphetamine	2	Diclofenac	1		
Boldenone Undecylenate	2	Dihydrocodeine	1		
BZO-POXIZID	2	Diindolylmethane	1		
Delta-8-THC	2	Drostanolone Enanthate	1		
Despropionyl Fluorofentanyl	2	Ephedrine/Pseudoephedrine Residue	1		
Drostanolone Propionate	2	Etodesnitazene	1		
Flunitrazepam	2	Etonitazene	1		
FluoroIsoButyrylFentanyl Residue	2	Flubromazepam	1		
Hashish	2	Fluoro-Furanyl Fentanyl	1		
N,N-Dimethylpentylone	2	FUB144	1		
Nandrolone Phenylpropionate	2	Gamma Hydroxybutyrate (GHB)	1		
N-Isopropylbenzylamine	2	Ibuprofen	1		
Oxandrolone	2	Mannitol	1		
Phendimetrazine	2	Nandrolone	1		

TABLE 76

2021 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	0.7			Amphetamine	22.54		995	Cocaine Base	4,807.79		
2-CB	14.01			Aspirin	5.37		73	Cocaine Hydrochloride	92,465.32		
2-Fluoro Deschloroketamine Residue		1		Benzphetamine Residue		2		Cocaine Residue		1,652	
3,4-Methylenedioxy-N-benzylcathinone	49.68			Benzylfentanyl Residue		1		Cocaine	13,187.84		
3,4-Methylenedioxy-PV8 Residue		2		Benzylfentanyl	280.81			Codeine and Acetaminophen			11
3,4-Methylenedioxy-PV8	13.73			Boldenone Propionate	7.17			Codeine Residue	143.63		
3-Hydroxy-PCP Residue		4		Boldenone Undecylenate	45.11			Codeine Syrup			
3-Hydroxy-PCP	2.51			Bromazolam Residue		2		Delta-8-THC Residue		2	
4-Anilinopiperdine	4.33			Bromazolam	103.33			Despropionyl Fluorofentanyl Residue		1	
4-ANPP Residue		335		Buprenorphine and Naloxone	0.3		1,021.50	Despropionyl Fluorofentanyl	0.91		
4-ANPP	42,668.92			Buprenorphine Residue		5		Dextromethorphan	635.95		
4-Cyano-Cumyl-Butinaca Residue		1		Buprenorphine	4.56		28.5	Diazepam	5.21		324.75
4-Fluoro-MDMB Butinaca Residue		3		Bupropion Residue		20		Diclofenac Residue		1	
4-Fluoro-MDMB-Butica	5.84			Bupropion	0.26		75	Dihydrocodeine			70
4-Methylmethcathinone	4.09			Buspirone Residue		1		Diindolylmethane	0.24		
5-Fluoro-MDMB-PICA Residue		2		BZO-POXIZID	4.27			Diphenhydramine Residue		8	
5-MeO-DBT	1.92			Caffeine Residue		65		Diphenhydramine	1,180.69		33
Acetaminophen Residue		28		Caffeine	805.61			Doxepin	9.35		
Acetaminophen	59.97		3	Cannabis Derivative Product - No Further Testing to be Performed		178		Drostanolone Enanthate	18.75		
Acetylfentanyl Residue		47		Carfentanil Residue		2		Drostanolone Propionate	5.51		
Acetylfentanyl	5,756.46			Carfentanil	3.54			Ephedrine/Pseudoephedrine Residue			
Acrylfentanyl	207.52			Carisoprodol	4.35		2	Etizolam Residue		4	
ADB BUTINACA Residue		140		CBD	41.27			Etizolam	207.27		
ADB BUTINACA	221.84			Chlorofentanyl Residue		1		Etodesnitazene Residue		1	
ADB-FUBIATA Residue		6		Chlorofentanyl	0.58			Etonitazene	3.42		
ADB-FUBIATA	239.04			Citalopram/Escitalopram			18	Etonitazepyne	2.73		
Adinazolam	1.92			Clobazam			2.5	Eutylone Residue		8	
Alprazolam Residue		3		Clonazepam	34.88		779.75	Eutylone	900.71		
Alprazolam	51.5		929	Clonazolam	355.66			Fentanyl Residue		773	
Amphetamine Residue		9		Cocaine Base Residue		20		Fentanyl	48,412.06		

2021 CONTROLLED SUBSTANCE AMOUNTS REPORTED (continued)

TABLE 76

Controlled Substance	Grams	Items	Unit Dose	Controlled Substance	Grams	Items	Unit Dose	Controlled Substance	Grams	Items	Unit Dose
Flualprazolam Residue		3		Lidocaine Residue		3		Morphine	0.18		219.5
Flualprazolam	421.7			Lidocaine	569.97			N,N-Dimethylamphetamine Residue		8	
Flubromazepam	1.44			Lisdexamphetamine			28	N,N-Dimethylamphetamine	0.17		
Flubromazolam	22.81			Lorazepam	0.1			N,N-Dimethylpentylone	1.01		
Flunitrazepam	0.25			Lorazepam			48	N,N-Dimethyltryptamine (DMT) residue		4	
Fluorofentanyl Residue		118		Lysergic Acid Diethylamide (LSD) Residue		1		N,N-Dimethyltryptamine (DMT)	34.28		
Fluorofentanyl	11,323.13			Lysergic Acid Diethylamide (LSD)	21.75		1,827	Naloxone Residue		1	
Fluoro-Furanyl Fentanyl	1.03			Mannitol	0.66			Naloxone	2.44		
FluoroIsoButyrylFentanyl Residue		2		Marihuana Residue		1		Nandrolone Decanoate	179.76		
FUB144	1.03			Marihuana	6,136.31			Nandrolone Phenylpropionate	18.07		
Gabapentin Residue		8		MDA	85.68			Nandrolone	19.59		
Gabapentin	669.47		57	MDMA Residue		14		Naproxen	13.34		
Gamma Hydroxybutyrate (GHB)	3.48			MDMA	277.9		10	N-butyl Pentylone Residue		3	
Hashish Oil	55.64			MDMB-4en-PINACA Residue		54		N-butyl Pentylone	85.41		
Hashish	23.23			MDMB-4en-PINACA	182.19			N-Ethylpentylone	21.45		
Heroin Residue		232		Melatonin	66.59		26	Nicotine Residue		14	
Heroin	5,766.39			Methadone Residue		3		Nicotine	174.22		7.5
Hydrocodone and Acetaminophen			207.25	Methadone	0.11		20	N-Isopropylbenzylamine	66.11		
Hydrocodone Oral Solution	398.81			Methamphetamine Residue		425		NM2201	0.24		
Hydrocodone Residue		5		Methamphetamine	31,840.98			N-Methyl-Norfentanyl	0.26		
Hydrocodone	4.77			Methandrostenolone	63.93			No Analysis Performed	24,123.96	724	131.25
Hydromorphone			32	Methylphenidate	4.93		102	No Analysis Performed (Non-Scheduled Medication)			8,444.34
Ibuprofen			6	Metonitazine Residue		1		No Controlled Substance or Other Significant Compound (Residue)		737	
Insufficient Sample		51		Metonitazine	109.13			No Controlled Substance or Other Significant Compound	27,828.69		2,769
Isotonitazene Residue		26		Mitragynine (Kratom)	930.47			No Identification Performed (Weight Only)	189,137.54		
Isotonitazene	1,239.35			MMMP	2.4			Nordiazepam	0.47		
Ketamine Residue		12		Modafinil/Armodafinil Residue		2		Not Suitable For Analysis		4	
Ketamine	66.69			Modafinil/Armodafinil	510.21		62	Oxandrolone	59.01		
Lamotrigine	0.8			Monoacetylmorphine Residue		24		Oxycodone and Acetaminophen			1,509
Lamotrigine			8.5	Monoacetylmorphine	59.93			Oxycodone Residue		36	

TABLE 76

2021 CONTROLLED SUBSTANCE AMOUNTS REPORTED

Controlled Substance	Grams	Items	Unit Dose	Controlled Substance	Grams	Items	Unit Dose
Oxycodone	2.11		3,445.25	THC Residue		699	
Oxymorphone	0.24			THC	818.20		
Phencyclidine (PCP) Residue		43		Tramadol Residue		82	
Phencyclidine (PCP)	4,092.47		35.5	Tramadol	4,825.90		594.5
Phendimetrazine			79	Trazodone	19.86		466
Phenibut Residue		1		Trenbolone Acetate	99.87		
Phentermine			12.5	Trenbolone Enanthate	9.57		
Pregabalin			4	Valerylfentanyl	20.01		
Promethazine and Dextromethorphan	171.73			Zolpidem			5
Promethazine Residue		3					
Promethazine	13,495.66		2				
Propoxyphene and Acetaminophen			175				
Psilocyn Residue		1					
Psilocyn	17,496.78						
Quetiapine	5.82						
Quinine Residue		3					
Quinine	553.70						
Sildenafil	36.61						
Stanozolol	143.35						
Tadalafi	26.55						
Tapentadol			5,900				
Tenocyclidine Residue		3					
Tenocyclidine	64.50		6				
Testosterone Cypionate	25.13						
Testosterone Decanoate	87.49						
Testosterone Enanthate	83.04						
Testosterone Isocaproate	83.14						
Testosterone Phenylproprionate	66.67						
Testosterone Propionate	173.32						
Testosterone	10.53						

CANAL BASIN PARK, CLEVELAND

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

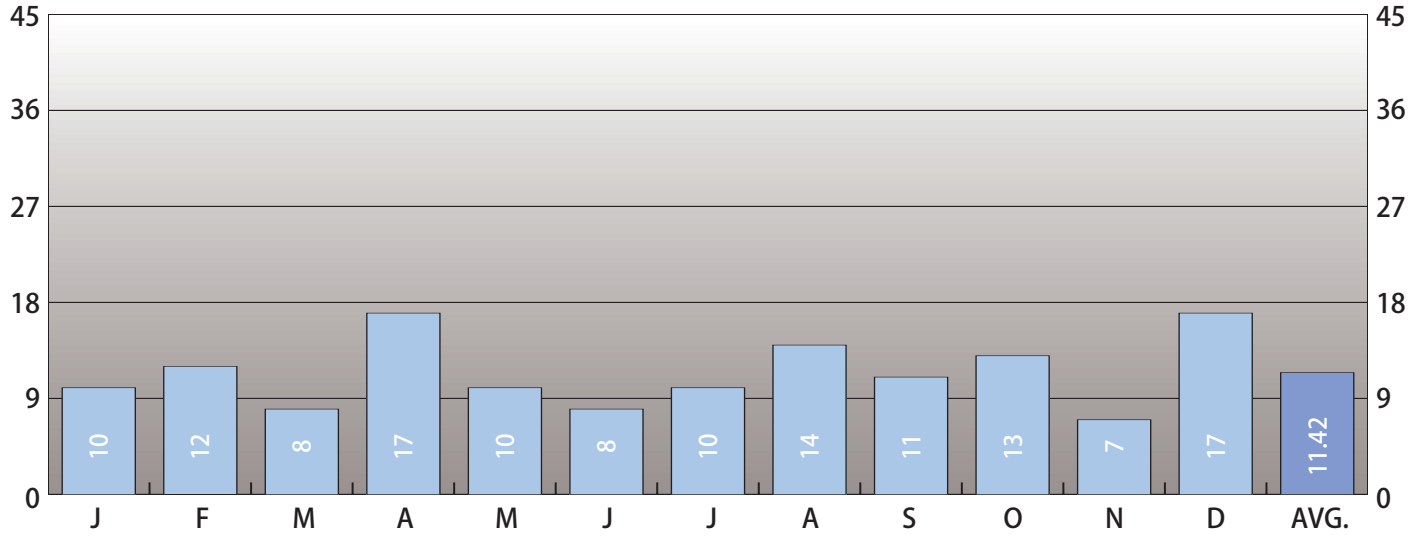
Comparison—the observation of two or more impressions to determine the existence of discrepancies, dissimilarities or similarities

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.

939 decedents were fingerprinted in 2021.
212 tentative/unknown decedents were fingerprinted in 2021.
186 tentative/unknown decedents were identified by fingerprints in 2021.

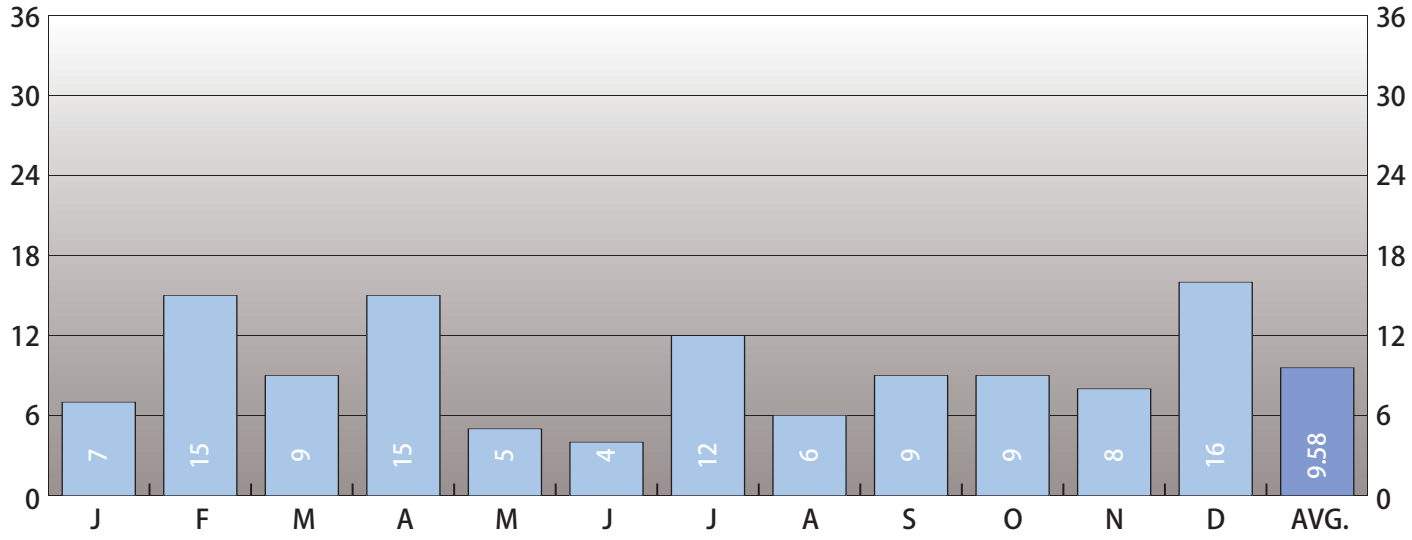
CASES SUBMITTED BY MONTH FOR THE YEAR 2021



2021
TOTAL CASES
137

2021 FINGERPRINTS UNIT REPORT

CASES COMPLETED BY MONTH FOR THE YEAR 2021



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.

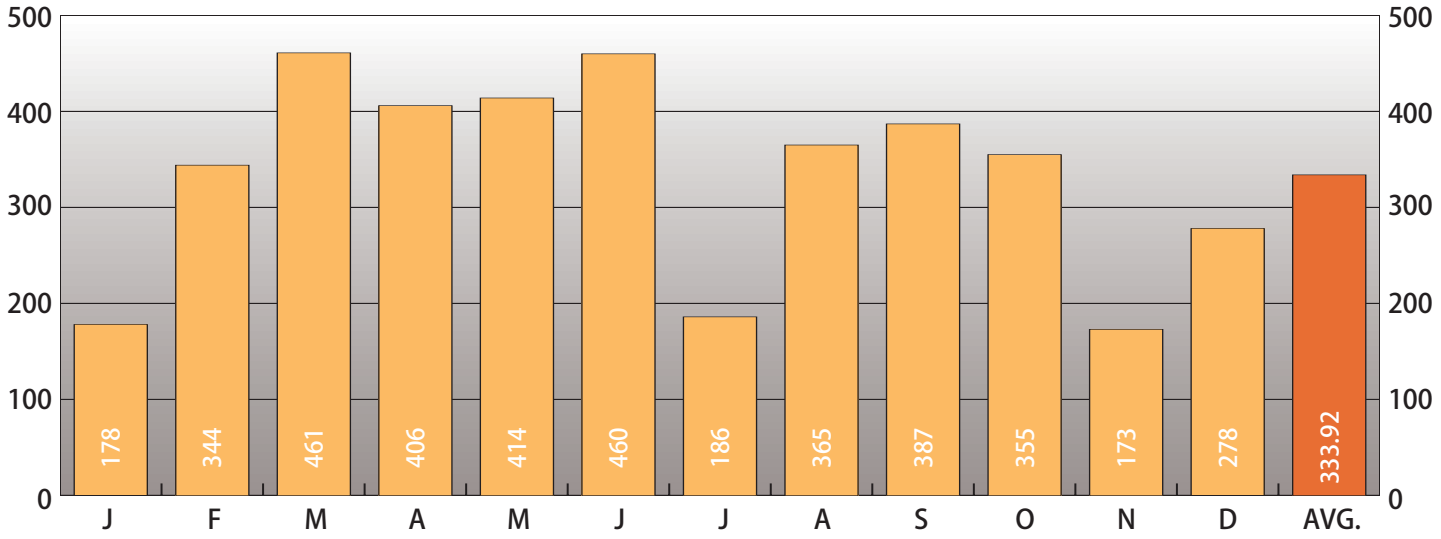
Forensic Firearms Identification deals primarily with the examination and comparison of fired ammunition components with known firearms. Evidence collected from crime scenes is examined and microscopically compared with test samples collected from test fired firearms in the laboratory. This process determines 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.

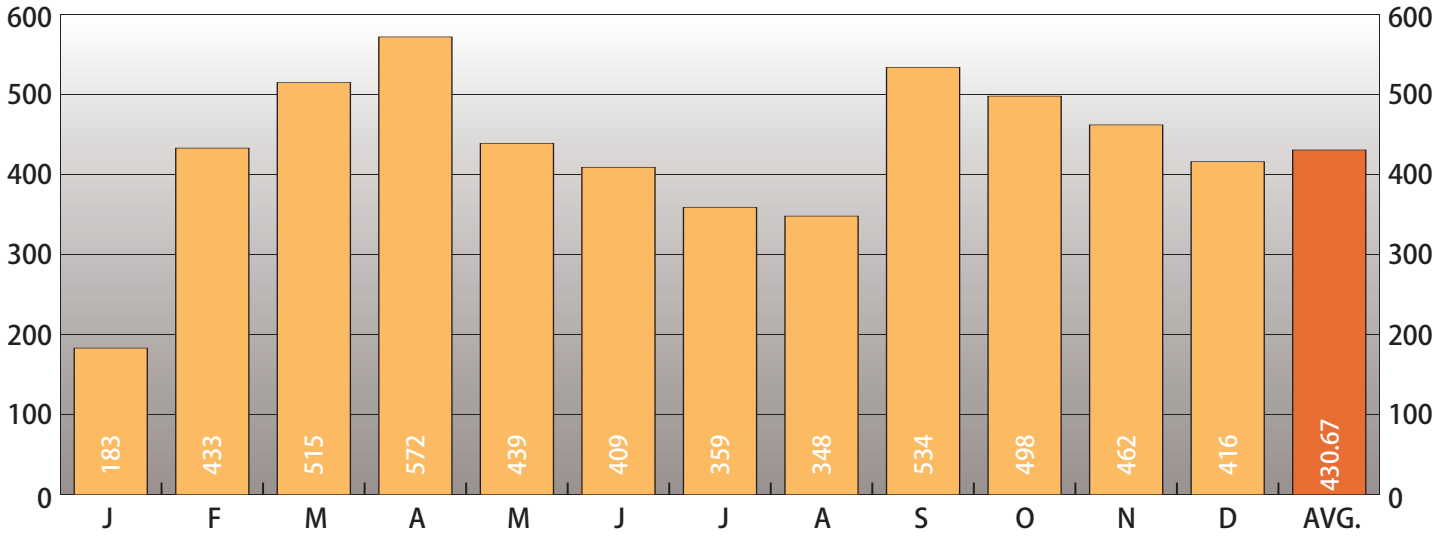
CASES SUBMITTED (NIBIN REQUESTS) BY MONTH FOR THE YEAR 2021



2021
TOTAL CASES
4,007

2021 FIREARMS & TOOLMARKS UNIT REPORT

CASES COMPLETED (NIBIN ENTRIES) BY MONTH FOR THE YEAR 2021



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.

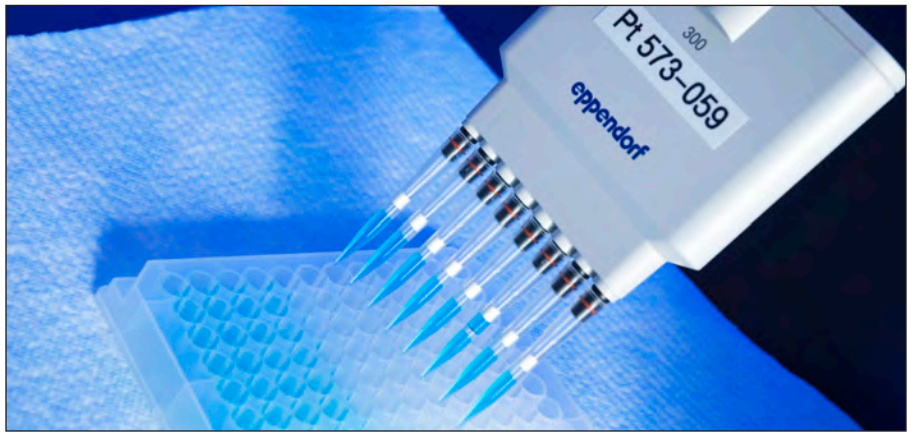
The Casework element involves performing scientific analysis of biological samples recovered from crime scenes. DNA collection and analysis give the criminal justice field a powerful tool for convicting the guilty and exonerating the innocent.

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.

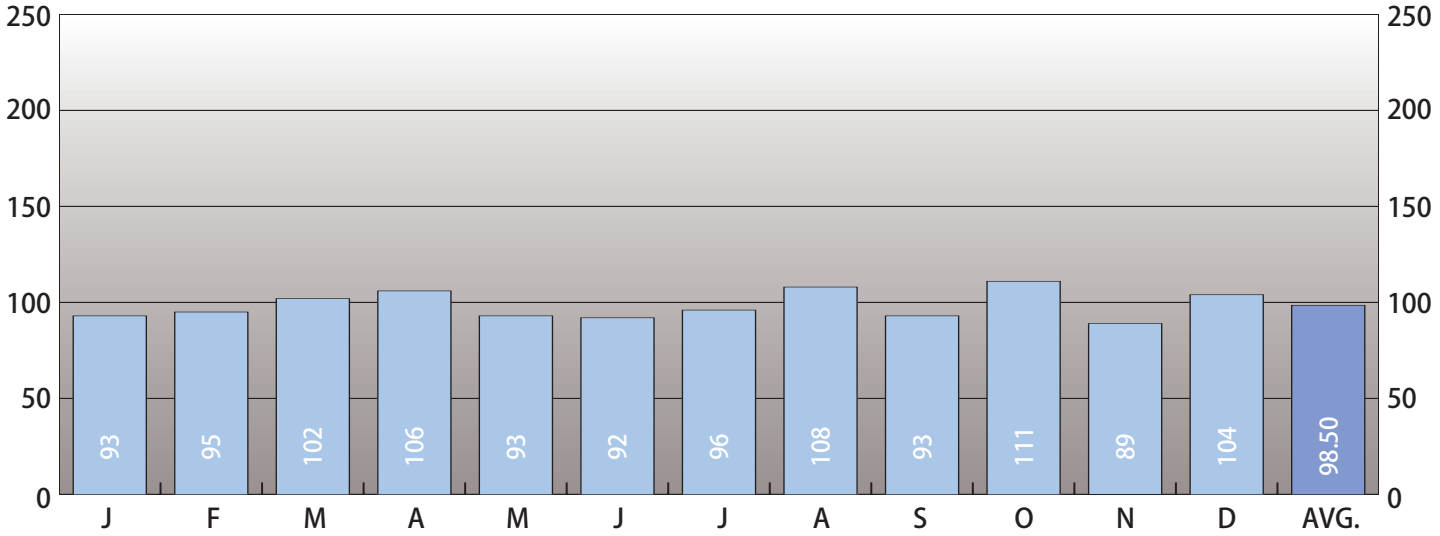
"Touch DNA" refers to the DNA that is left behind from skin cells when a person touches or comes into contact with an item. By using Touch DNA techniques, the Forensic DNA Unit can work on the evidence from breaking and entering cases and examine guns and other weapons for possible DNA.

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 and database system to interpret DNA mixtures using statistical modeling and comparing across various cases.

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.



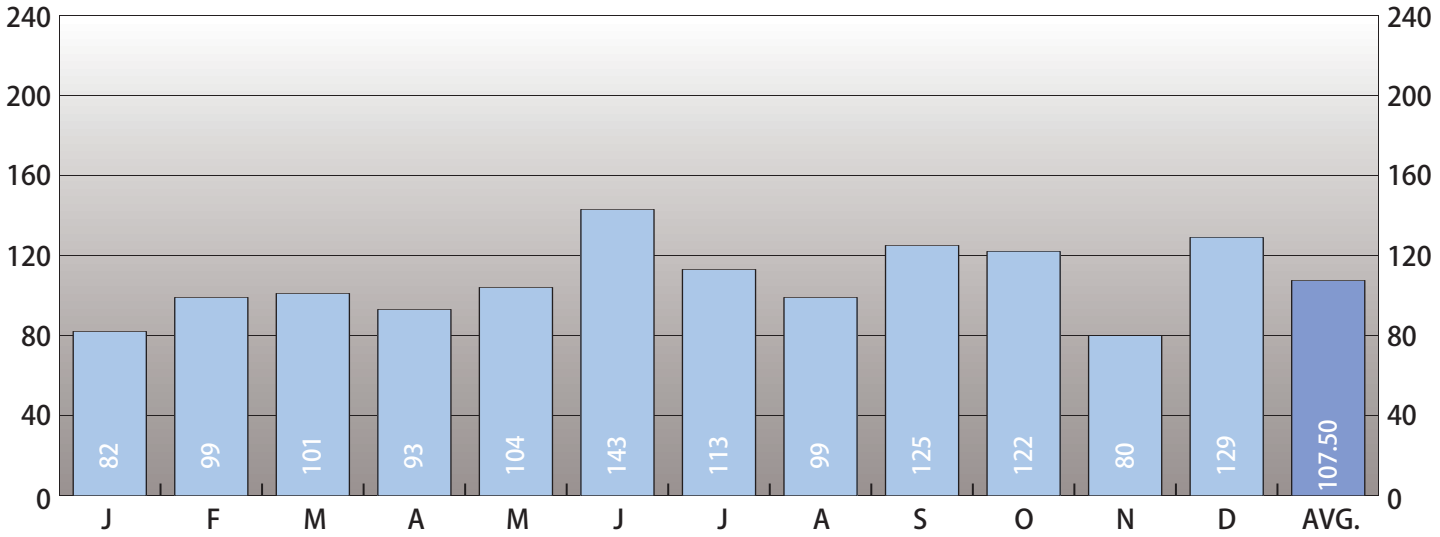
CASES SUBMITTED BY MONTH FOR THE YEAR 2021



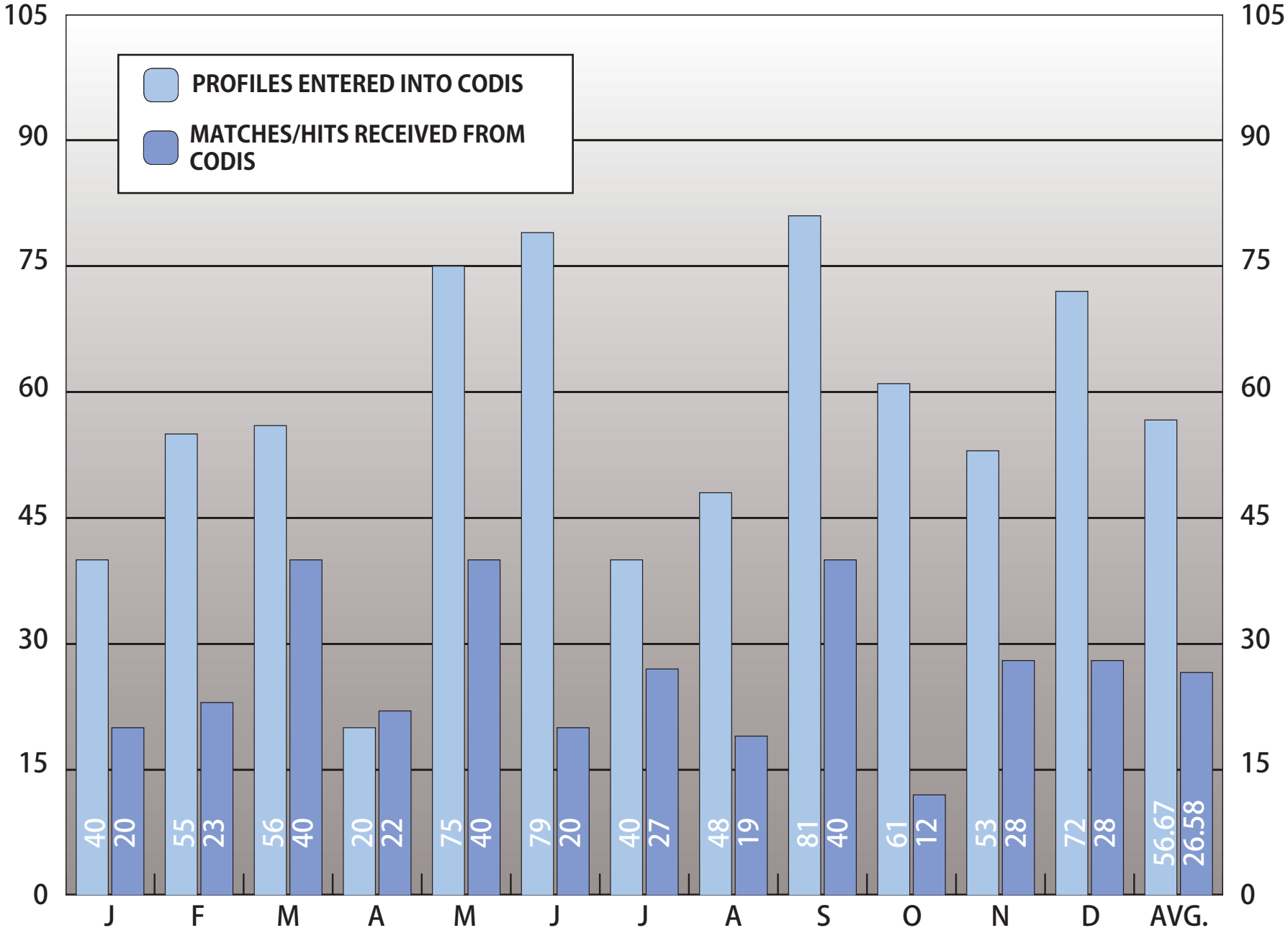
2021
TOTAL CASES
1,082

2021 FORENSIC DNA UNIT REPORT

CASES COMPLETED BY MONTH FOR THE YEAR 2021



2021 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.

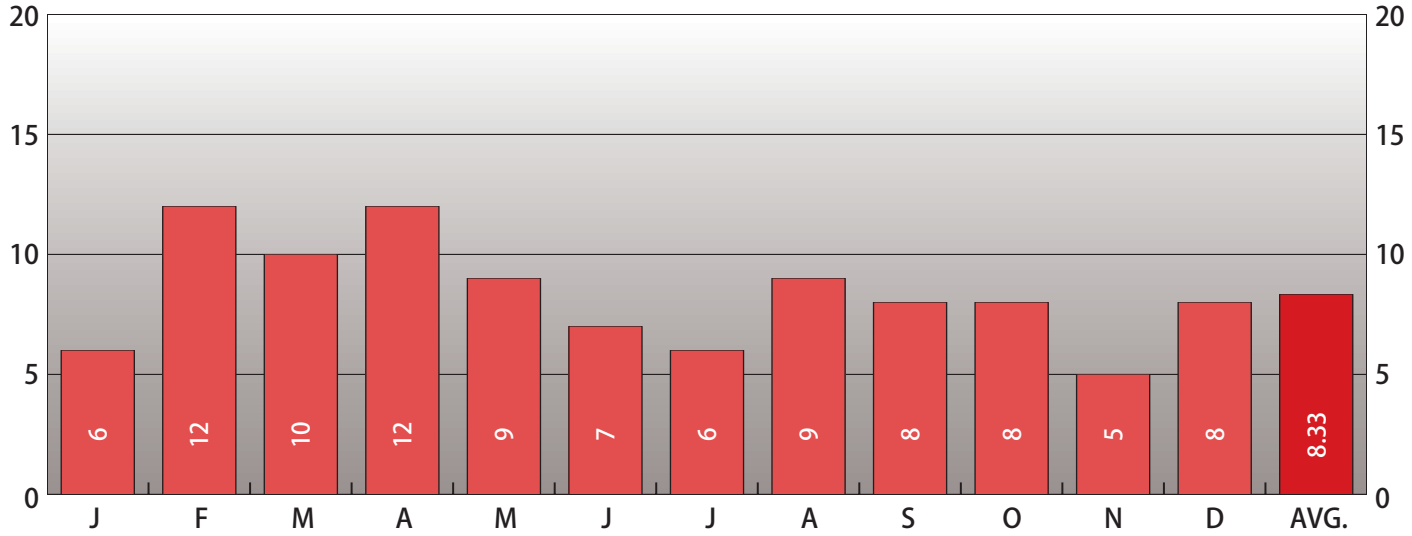
The Parentage & ID unit offers following types of DNA tests:

- 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

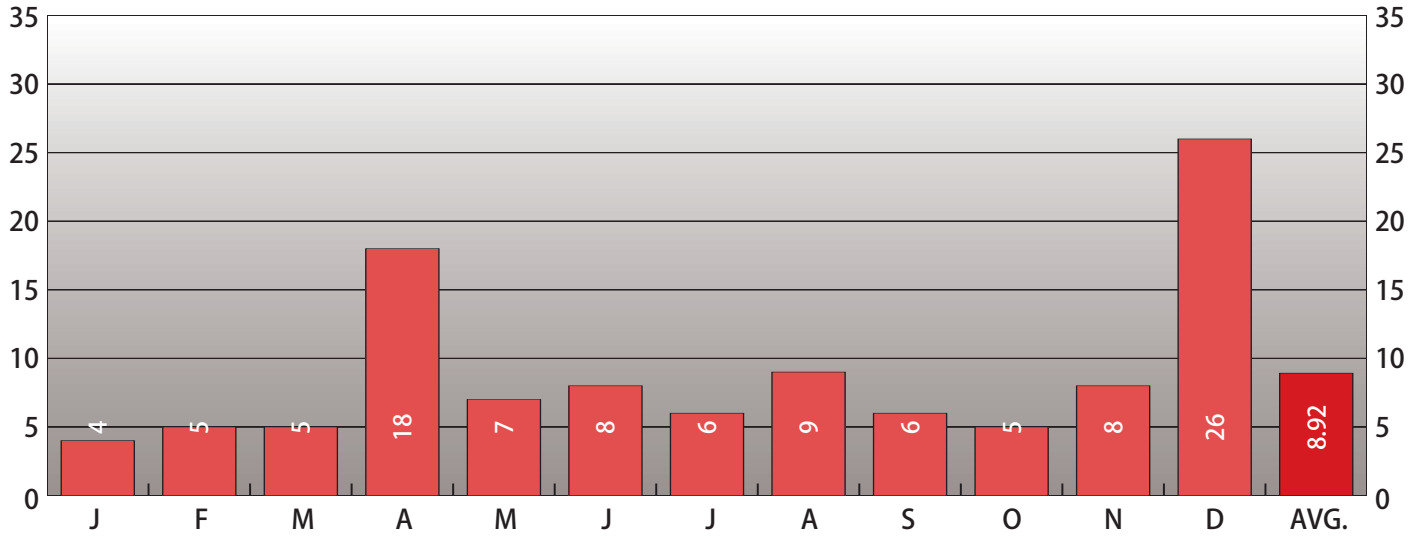
CASES SUBMITTED BY MONTH FOR THE YEAR 2021



2021
TOTAL CASES
100

2021 PARENTAGE AND IDENTIFICATION DEPARTMENT REPORT

CASES COMPLETED BY MONTH FOR THE YEAR 2021



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.

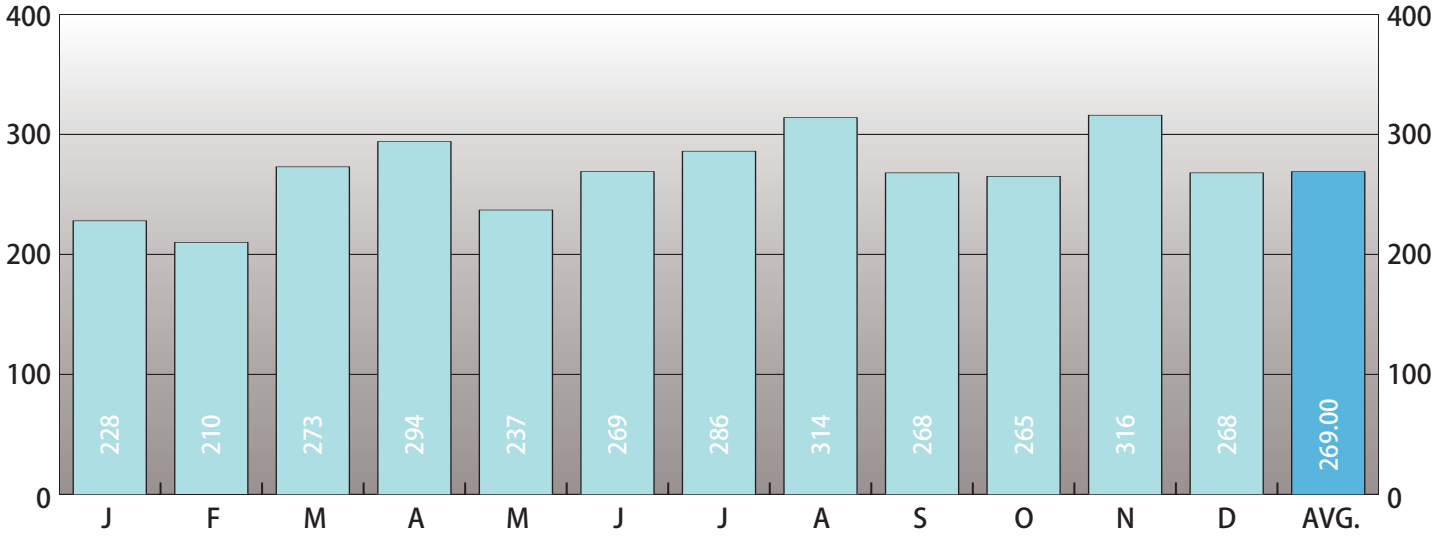
Postmortem toxicology is performed to assist pathologists, coroners or medical examiners determine whether drugs, alcohol or chemicals played a role in causing the death of an individual. The Toxicologist identifies and quantifies the drugs present in postmortem fluids and tissues and provides interpretation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

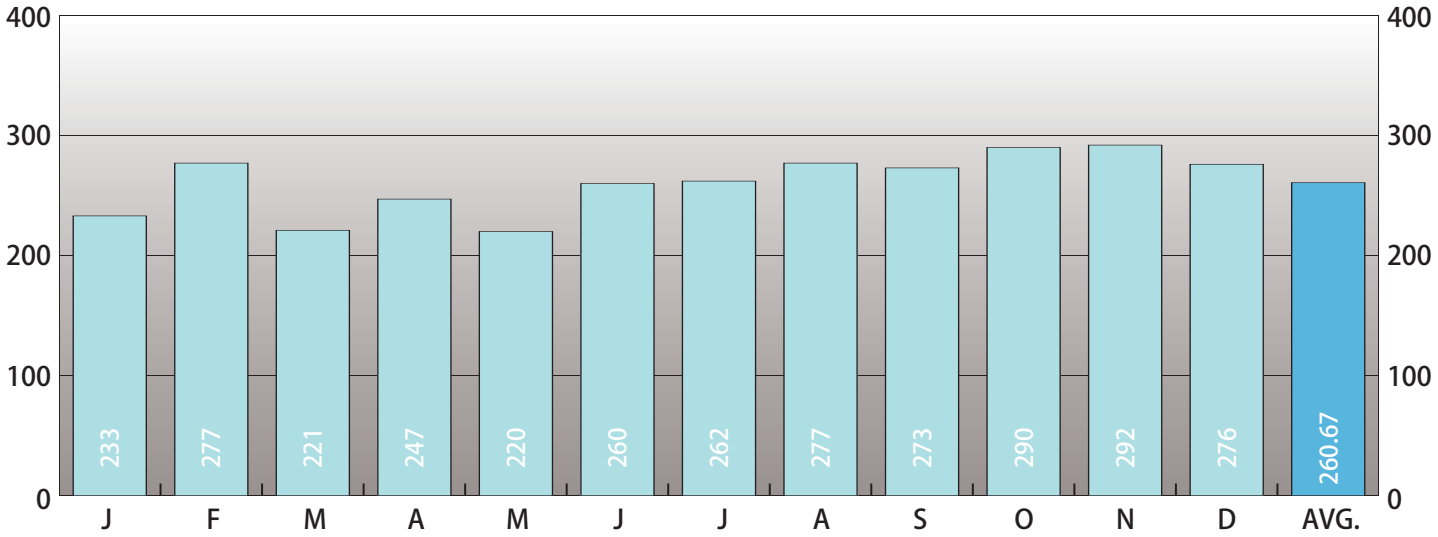
CASES SUBMITTED BY MONTH FOR THE YEAR 2021



2021
TOTAL CASES
3,228

2021 TOXICOLOGY LABORATORY REPORT

CASES COMPLETED BY MONTH FOR THE YEAR 2021



CUYAHOGA COUNTY HEADQUARTERS

Photograph by G. Wilson

TABLE 77 INCIDENCE OF POISONING (%) IN TESTED INDIVIDUALS

	Cuyahoga County Medical Examiner's Office Cases			
	Number of Decedents		Number of Fatal Posionings	
Autopsied Cases*	1,614	51.85%	549	83.56%
Non-Autopsied Cases	1,499	48.15%	108	16.44%
Total	**3,113**	**100.00%**	**657**	**100.00%**

***Includes 12 hospital autopsies.**
NOTE: Fatal Poisonings do not include Coroner's Amended cases.

INCIDENCE AND FREQUENCY OF POSITIVE FINDINGS*

TABLE 78

	Cuyahoga County Medical Examiner's Laboratory Cases		
	Fatal Poisonings		
Compounds	Number Positive	Compounds with an incidence ≤ 10	Number Positive
Fentanyl	477	Dextromethorphan	10
Cocaine	267	Methadone	9
Ethanol	203	Citalopram/Escitalopram	8
Fluorofentanyl	156	Lorazepam	7
Gabapentin	94	Benzodiazepines	6
Methamphetamine	89	Carfentanil	6
Diphenhydramine	71	Acetaminophen	5
Acetyl Fentanyl	59	Bupropion	5
Alprazolam	37	Cyclobenzaprine	5
Heroin	37	Doxepin	5
Isotonitazene	33	Mitragynine	5
Clonazepam	29	Zolpidem	5
Amphetamine	23	Codeine	4
Carbon Monoxide	23	Lamotrigine	4
Oxycodone	22	Mirtazapine	4
Metonitazene	19	Chlorpheniramine	3
Morphine	17	Flualprazolam	3
Trazodone	17	Nortriptyline	3
Diazepam	16	Pregabalin	3
Fluoxetine	16	Valeryl Fentanyl	3
Xylazine	15	Benzyl Fentanyl	2
Tramadol	14	Bromazolam	2
Amitriptyline	13	Buprenorphine	2
Phencyclidine	13	Difluoroethane	2
Etizolam	12	Doxylamine	2
Hydrocodone	11	Fentanyl Analogues	2
Venlafaxine	11	Ketamine	2
Dextromethorphan	10	Phenobarbital	2
Sertraline	10	Traizolam	2
Methadone	9	2-Methyl-AP-237	1
Citalopram/Escitalopram	8	Butalbital	1
Lorazepam	7	Carbamazepine	1
Benzodiazepines	6	Carisoprodol	1
Carfentanil	6	Caustic Chemical	1
Acetaminophen	5	Duloxetine	1
Bupropion	5	Etodesnitazene	1
Cyclobenzaprine	5	Haloperidol	1
Doxepin	5	Insulin	1
Mitragynine	5	Lidocaine	1
Zolpidem	5	Olanzapine	1

TABLE 78 INCIDENCE AND FREQUENCY OF POSITIVE FINDINGS* (continued)

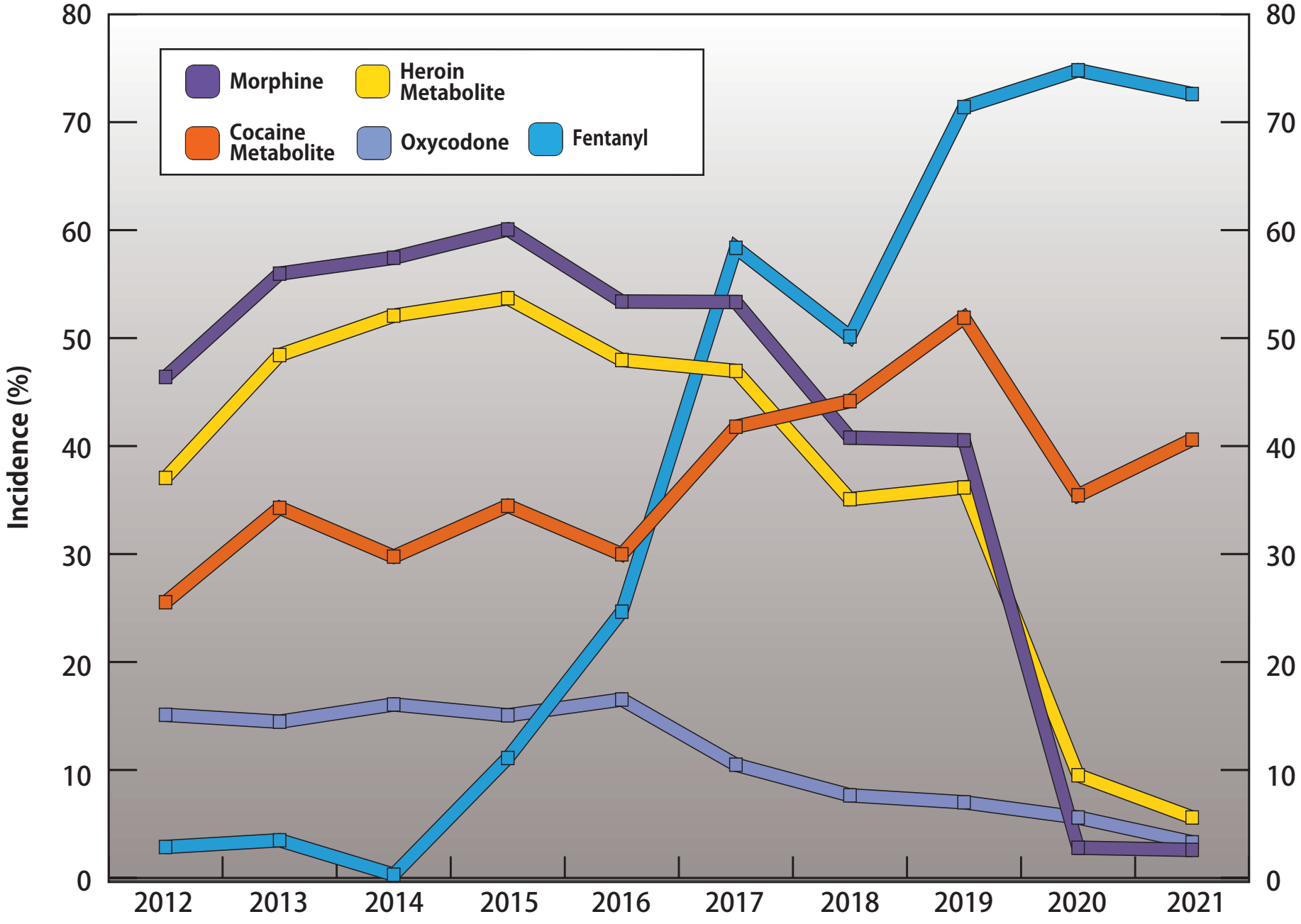
	Cuyahoga County Medical Examiner's Laboratory Cases		
	Fatal Poisonings		
Compounds	Number Positive	Compounds with an incidence ≤ 10	Number Positive
Codeine	4	Opiates	1
Lamotrigine	4	Oxazepam	1
Mirtazapine	4	Pentazocine	1
Chlorpheniramine	3	Phenylpropanolamine	1
Flualprazolam	3	Quetiapine	1
Nortriptyline	3	Salicylate	1
Pregabalin	3	Sodium Nitrite	1
Valeryl Fentanyl	3	Tenocyclidine	1
Benzyl Fentanyl	2	Trihexyphenidyl	1
Bromazolam	2	Unspecified drug(s)	1
Buprenorphine	2	Zopiclone	1
Difluoroethane	2		
Doxylamine	2		
Fentanyl Analogues	2		
Ketamine	2		
Phenobarbital	2		
Traizolam	2		
2-Methyl-AP-237	1		
Butalbital	1		
Carbamazepine	1		
Carisoprodol	1		
Caustic Chemical	1		
Duloxetine	1		
Etodesnitazene	1		
Haloperidol	1		
Insulin	1		
Lidocaine	1		
Olanzapine	1		
Opiates	1		
Oxazepam	1		
Pentazocine	1		
Phenylpropanolamine	1		
Quetiapine	1		
Salicylate	1		
Sodium Nitrite	1		
Tenocyclidine	1		
Trihexyphenidyl	1		
Unspecified drug(s)	1		
Zopiclone	1		

Photograph by G. Wilson

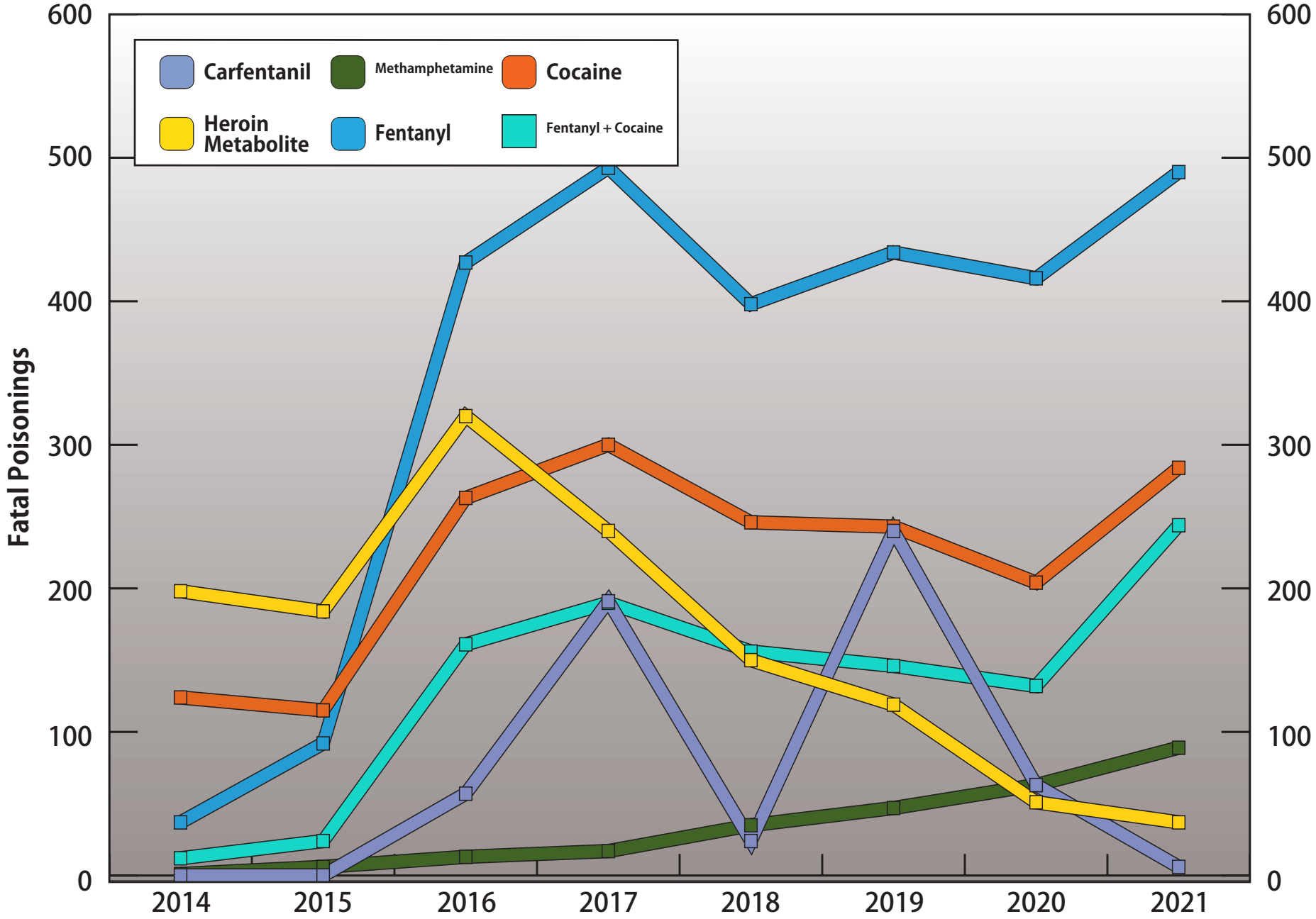
CULTURAL GARDENS, CLEVELAND

Photograph by C. Butler

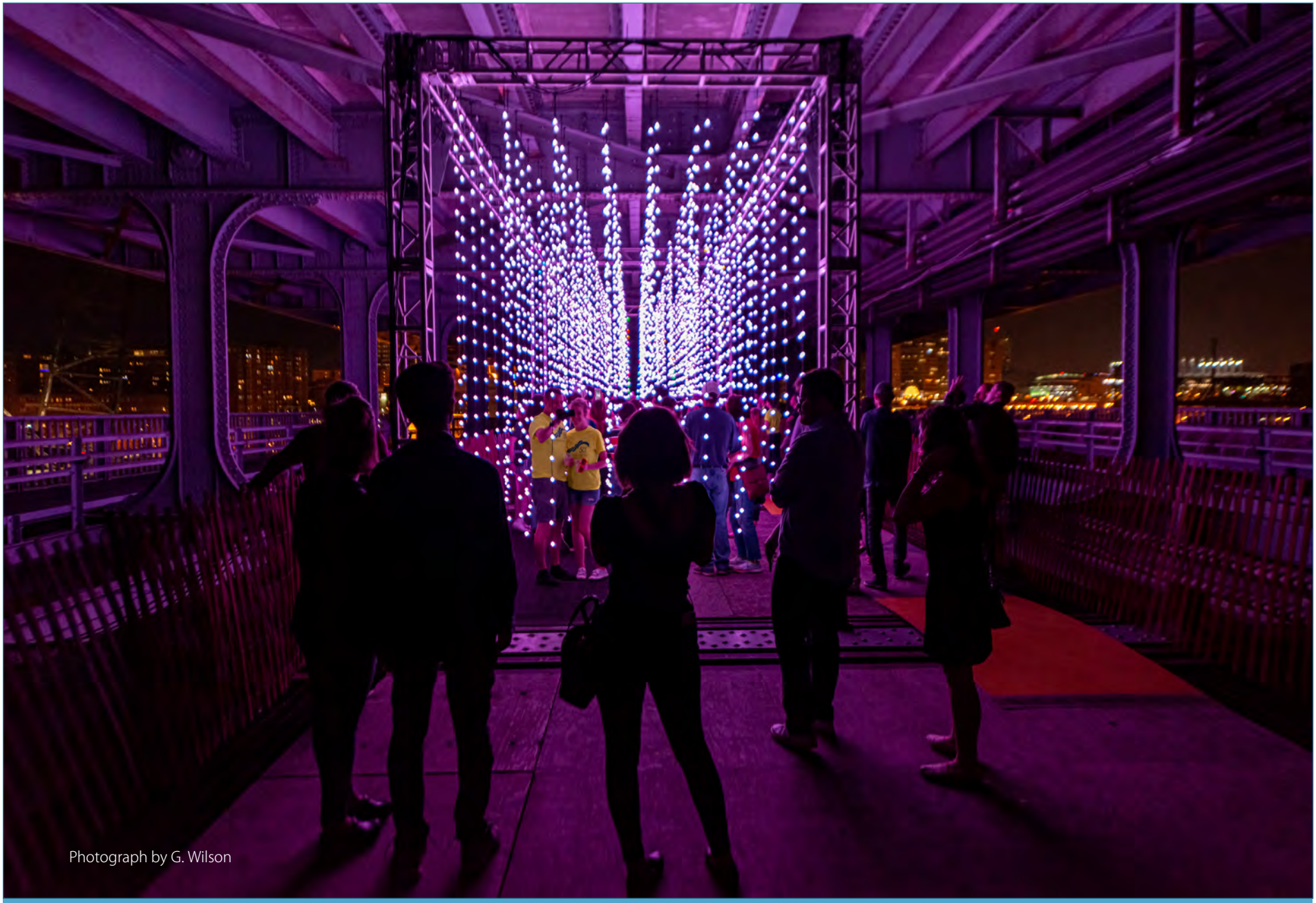
INCIDENCE OF POSITIVE FINDINGS FROM POISONING FATALITIES



MOST COMMON SUBSTANCES INVOLVED IN FATAL POISONINGS



SQUIDSOUP DETROIT SUPERIOR BRIDGE TOUR, CLEVELAND



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

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; Oxymorphon

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, AP-238, 2MAP-237, Methoxyacetyl fentanyl, Acetyl fentanyl, Beta-hydroxy fentanyl, Benzyl fentanyl, THF 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, Thiophene fentanyl, Isovaleryl fentanyl; plus Metonitazene, Brorphine, Isotonitazene, Protonitazene

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

PROFICIENCY STUDIES

TABLE 79

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 2021 the Cuyahoga County Medical Examiner's Office Toxicology Laboratory participated in 8 proficiency surveys.

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

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

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

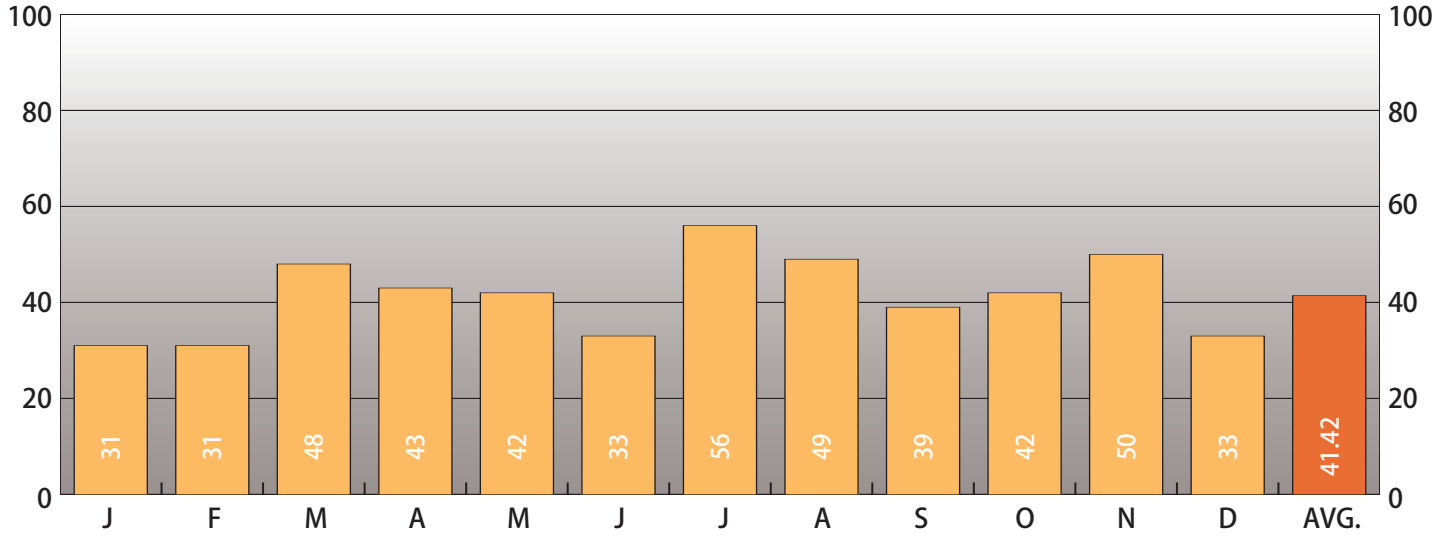
The Trace Evidence Unit currently employs four Forensic Scientists. The responsibilities of the Trace Evidence Unit include the examination and sample collection from the hands and bodies of victims of violent death as well as the examination of clothing items received with the victims. A clothing examination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

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

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

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

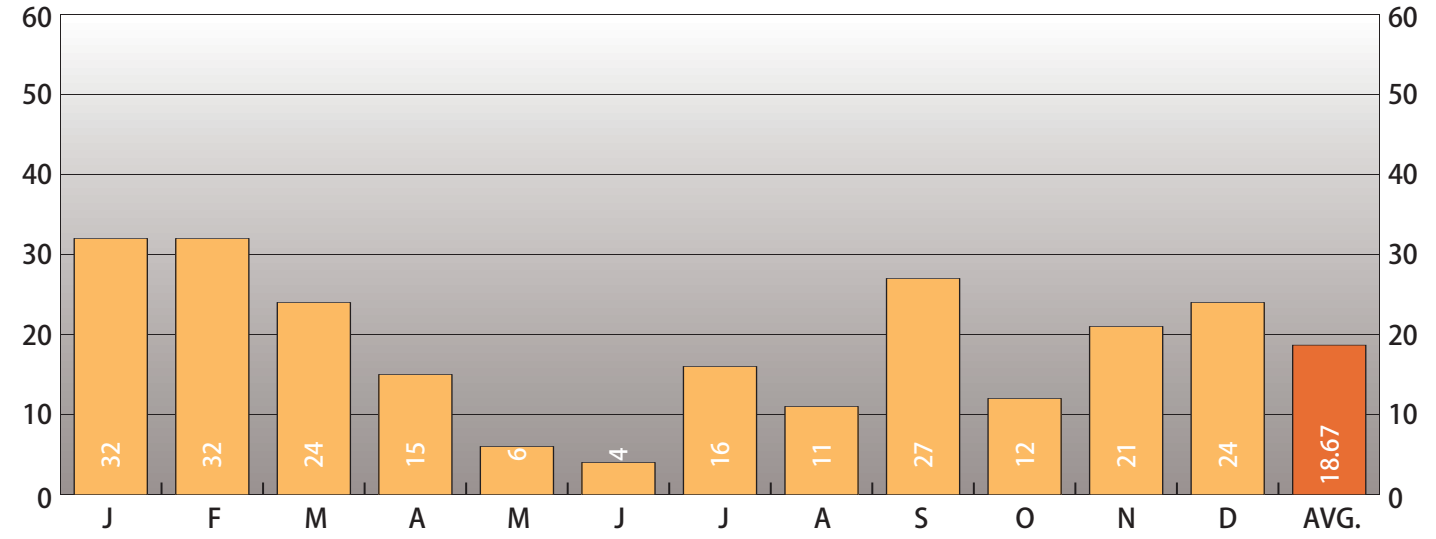
CASES SUBMITTED BY MONTH FOR THE YEAR 2021



2021
TOTAL CASES
497

2021 TRACE EVIDENCE UNIT REPORT

CASES COMPLETED BY MONTH FOR THE YEAR 2021



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.

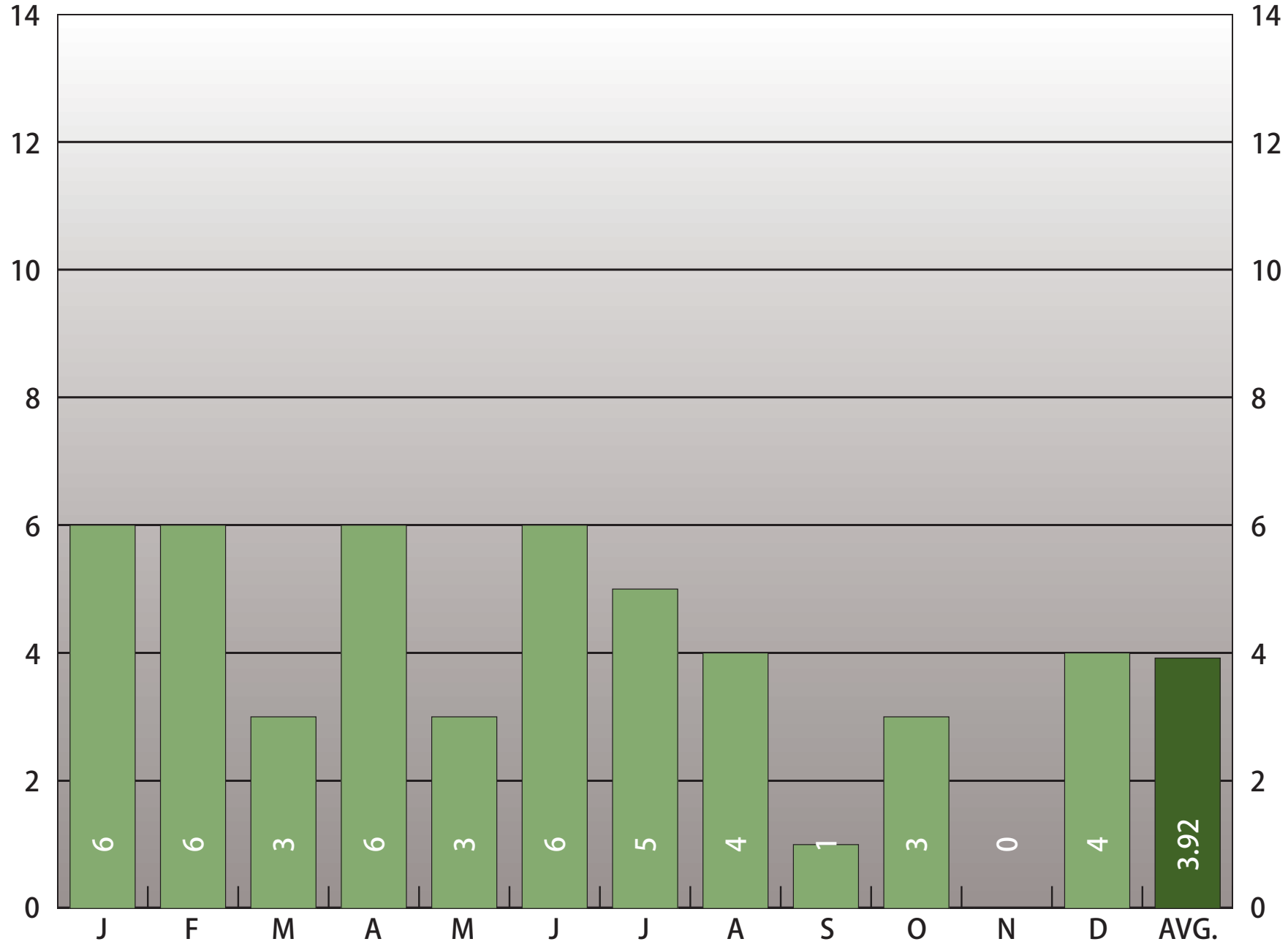
Lifebanc and the Cuyahoga County Medical Examiner's Office (CCMEO) have worked collaboratively for many years to create a "one of a kind" program not seen anywhere in the entire United States. Lifebanc has a full-time staff member housed at CCMEO to serve as a conduit of communication and information 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 2021



Photograph by C. Butler

CLEVELAND POLICE WEEK PARADE

Photograph by G. Wilson

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

February: "Firearm Injuries". Pathology Resident Lecture Series, MetroHealth Medical Center Department of Pathology , Cleveland, Ohio.
"Scientific Evidence". Cleveland-Marshall School of Law, Cleveland, Ohio.

March: "Natural Deaths, Time of Death and Identification". Medicolegal Death Investigation Course (Basic 3-day), Cleveland, Ohio.
"Death Investigation". State Unintentional Drug Overdose Reporting System (SUDORS) Workgroup Monthly Meeting, Virtual.

April: "Case Reviews". Association of State and Territorial Health Officers ECHO Project on Overdose Investigation (ECHO-OD-FIT), Virtual.

May: "Gabapentin Associated Fatalities". Northeast Ohio Hospitals Opioid Consortium, Virtual.
"Case Reviews". Association of State and Territorial Health Officers ECHO Project on Overdose Investigation (ECHO-OD-FIT), Virtual.

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

July: "The Opioid Crisis- Evolution and Current Status". Case Western Reserve School of Medicine, Cleveland, Ohio.
"Case Exercises and Serial Killers in Ohio". 47th Annual New England Seminar in Forensic Sciences, Colby College, Waterville, Maine.

August: "Firearm Trends in Cleveland Over a 30-Year Perio". Metrohealth and University Hospital Educational Conference, Cleveland, Ohio.

September: "Looking Deeper into the Opioid Epidemic". Case Western Reserve University School of Medicine Opioid Elective, Cleveland, Ohio.
Subsequent Demonstration Autopsy for Medical Students Taking the Elective (3), Cuyahoga County Medical Examiner's Office.
"The Medical Examiner's Office". Cuyahoga County Medical Examiner's Office Citizens Academy, Cleveland, Ohio.

October: "Report on the Improvement of Opioid Overdose Data Reporting". National Association of Medical Examiners Annual Meeting, West Palm Beach, Florida.
"Increasing Prevalence of Gabapentin in Fatal Drug Overdoses and The Public Health Role of Medical Examiner's Offices during COVID-19 and Other Mass Fatality Events". National Association of Medical Examiners Annual Meeting, West Palm Beach, Florida.
"Homicide by Unspecified Means and Use of Deadly Force - A Forensic Autopsy Perspective". Ohio State Coroners Annual Meeting, Dublin, Ohio.

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

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: "Pediatric Sudden Unexpected Death due to Undiagnosed Mediastinal T-cell Lymphoblastic lymphoma: A Series of Three Cases". Virtual.

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

October: "A Summary of Time Spent During One Hundred Consecutive Courtroom Testimonies". National Association of Medical Examiner, West Palm Beach, Florida.

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

November: "Forensic Pathology as a Career". Mayfield High School, Mayfield, Ohio.
"Forensic Pathology as a Career". CWRU Pre-Medical Group, Cleveland, Ohio.

Elizabeth Mooney, D.O., Deputy Medical Examiner

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

August: "Intro to Forensic Pathology". Medical Examiner's Citizens Academy, Cleveland, Ohio.

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

Joseph Stopak, Manager of Investigation and Morgue Operations

April: Medicolegal Death Investigation Course (Basic 3-day), Independence, Ohio.
State Fire/Tri-C Fire Academy Lecture, Cleveland, Ohio.

August: "Imperial Avenue, Recovery of Human Remains". Kent State University, Kent, Ohio.
"Imperial Avenue, Recovery of Human Remains". Medical Examiner's Citizens Academy, Cleveland, Ohio.

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

Luigino Apollonio PhD, Chief Toxicologist

February: "Interpretation Strategies for Supratherapeutic Drug Concentrations". National Association of Medical Examiners Annual Meeting, Virtual.

August: "Intro to Toxicology". Medical Examiner's Citizens Academy, Cleveland, Ohio.

Szabolcs Sofalvi, Toxicology Quality Assurance Officer

February: "Forensic Cases Involving New NPS Opioids". 73rd American Academy of Forensic Sciences Annual Meeting, Virtual.

September: "Targeted UHPLC-MS/MS Screening/Confirmation Methods for Fentanyl and its Analogues, Opioids (Isotonitazene, Brorphine, Metonitazene), Designer Benzodiazepines and Z-Drugs". 103rd American Association of Oral & Maxillofacial Surgeons Annual Meeting, Nashville, Tennessee.

Manreet Bhullar,MPH, Forensic Epidemiologist

February:
"Gabapentin Trends in Overdose Deaths". Northeast Ohio Hospital Opioid Consortium Quarterly Meeting, Virtual.
"Overdose Fatalities in Cuyahga County (Ohio) during the COVID-19 Pandemic". Public Health, Prevention and Community Interventions, Intersecting Pandemics: The Opioid Epidemic and COVID-19, Cleveland, Ohio.

April:
"Overdose Fatalities in Cuyahga County (Ohio) during the COVID-19 Pandemic". Public Health, Prevention and Community Interventions, Intersecting Pandemics: The Opioid Epidemic and COVID-19, Cleveland, Ohio.
Community Health Research and Policy Session: Public Health Careers Panel. Case Western Reserve University, Cleveland, Ohio.
"The Opioid Overdose Crisis in Cuyahoga County, Ohio and It's Effects on Stimulants Overdose Deaths". Rx Drug Abuse & Heroin Summit, Nashville, Tennessee.

June:
"Stay-at-Home Orders and Drug Overdose in Cuyahoga County, Ohio During the COVID-19 Pandemic". CDC's Overdose Data 2 Action Recipients Conference, Virtual.
"Gabapentin on the Rise: A 5-year Retrospective Study in Cuyahoga County, OH". Midwest Association for Toxicology and Therapeutic Drug Monitoring Conference, Virtual.

October:
"Increasing Prevalence of Gabapentin in Fatal Drug Overdoses and The Public Health Role of Medical Examiner's Offices during COVID-19 and Other Mass Fatality Events". National Association of Medical Examiners Annual Meeting, West Palm Beach, Florida.


Photograph by E. Lavins

Fraizier, L., Nolt, K., **Bhullar, M**., et al. (2021). "An Equitable Response to the Ongoing Opioid Crisis." Updated Policy Statement, American Public Health AssSAGE Journals. Volume 135. Issue 4, May 2020.

Bhullar, M., Gilson, T., Boggs, P., (2021). "Letter to Editor: Fentanyl-related subtance scheduling as an effective drug control strategy." Journal of Forensic Scienses. Volume 67. Issue 2, December 2021.

Davis, G. G., Cadwallader, A. B., Fligner, C. L., **Gilson, T. P.,** Hall, E. R., Harshbarger, K. E., Kronstrand, R., Mallak, C. T., McLemore, J. L., Middleberg, R. A., Middleton, O. L., Nelson, L. S., Rogalska, A., Tonsfeldt, E., Walterscheid, J. P., Winecker, R. E. (2020): "Position Paper: Recommendations for the Investigation, Diagnosis, and Certification of Deaths Related to Opioids ad Other Drugs." American Journal of Forensic Medicine & Pathology, Volume 41, Issue 3, September 2020, Pages 152–159.

Sofalvi, S., Schueler, H. E. (2021): "Development and validation of an LC–MS-MS Method for the Detection of 40 Benzodiazepines and Three Z-drugs in Blood and Urine by Solid-Phase Extraction." Journal of Analytical Toxicology, Volume 44, Issue 7, September 2020, Pages 708–717.

- 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 2021 Medical Examiner's Statistical Report has been prepared, collectively by:

Jason Bielinski	Photographs
Chad Butler	Photographs
Paul Ferrer	Photographs
Christopher Harris	Graphic Design, Photographs, Project Coordination, and Cover
Amy Koons	Photographs
Eric Lavins	Toxicology Data
Hugh Shannon	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

Guardians of Traffic

The cover image is a picture of the Guardians of Traffic - a sculpture located on the Hope Memorial Bridge in Cleveland, Ohio. The bridge symbolizes the spirit of progress in transportation. Each Guardian holds a different vehicle in its hands: a hay wagon, covered wagon, stagecoach, passenger car, dump truck, concrete mixer, and two other trucks.

Additionally, Cleveland's Major League Baseball team officially changed their name from the Cleveland Indians to the Cleveland Guardians.