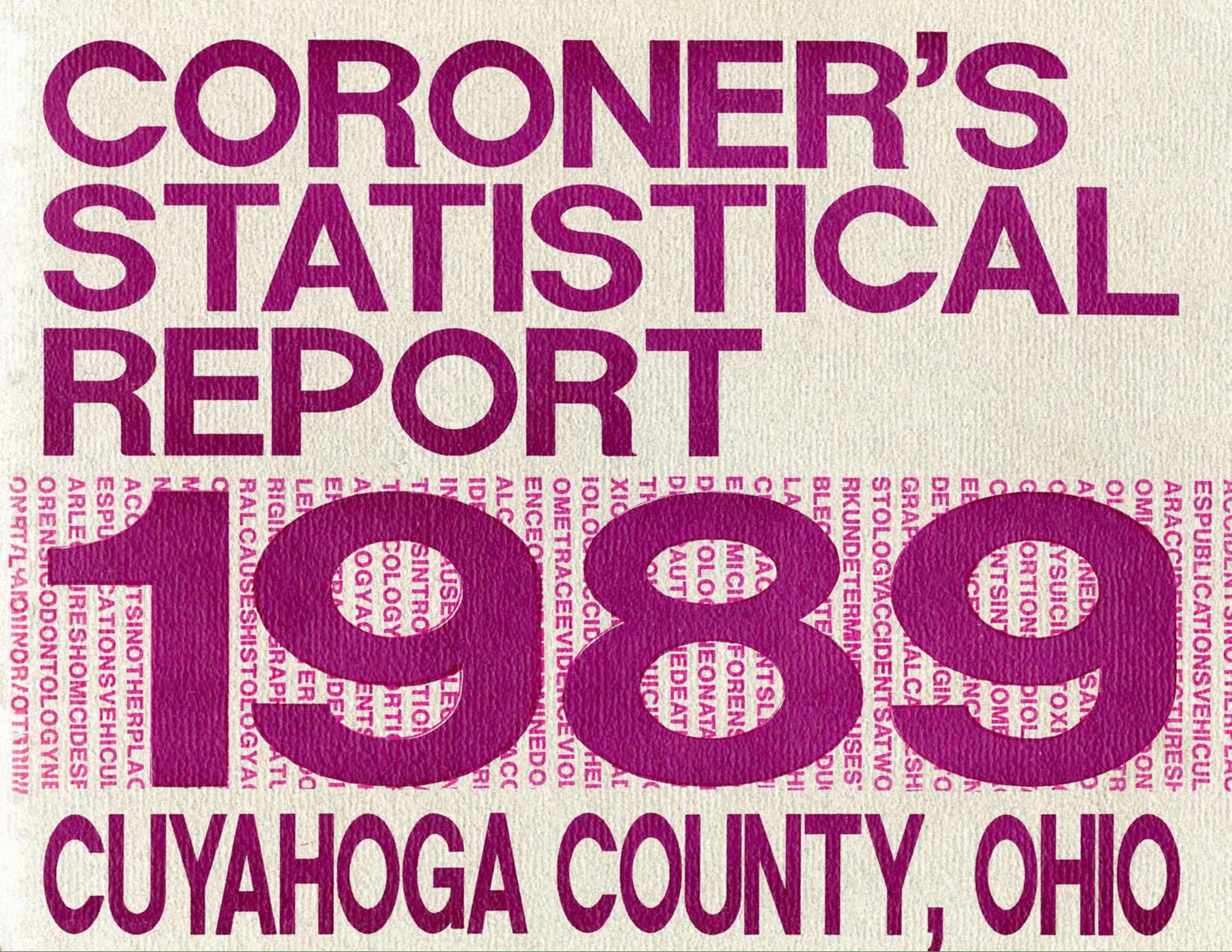
CORONER'S STATISTICAL REPORT



CUYAHOGA COUNTY, OHIO

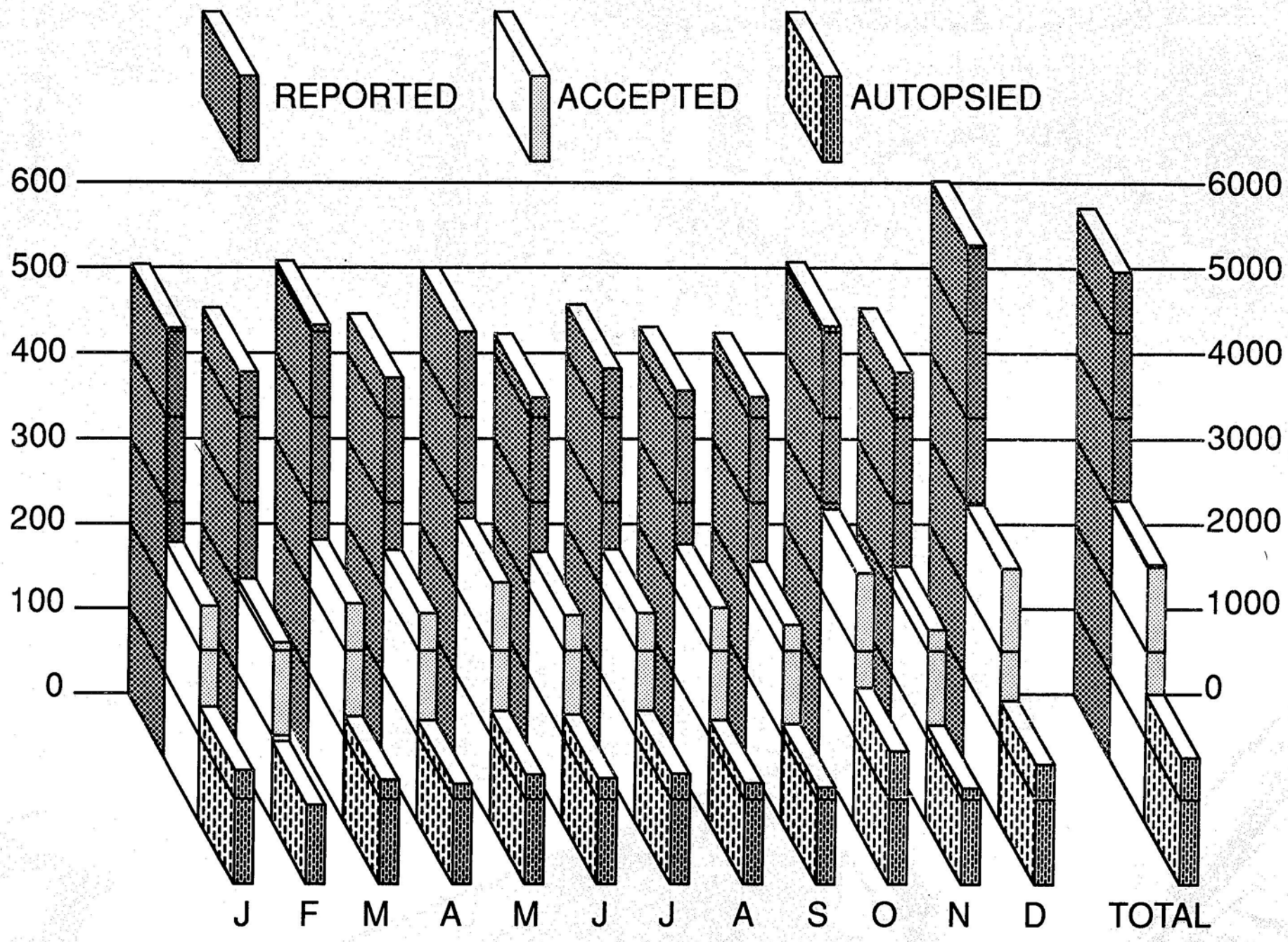
CUYAHOGA COUNTY
CORONER'S STATISTICAL REPORT

1989

ELIZABETH K. BALRAJ, M.D.
CORONER

SAMUEL R. GERBER BUILDING
2121 ADELBERT RD., CLEVELAND, OHIO 44106

1989 - NUMBER OF CASES



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MAPS

PHOTOGRAPHS

Coding is classified in Volume 1 and 2 - Ninth Revision of the International Classification of Diseases, World Health Organization.

LETTER OF TRANSMITTAL

Elizabeth K. Balraj, M.D.
Coroner

The Fifty-first annual report of the Cuyahoga County Coroner's Office has been prepared in accordance with our tradition of service towards our community and progress. During this year the expertise of molecular biology (DNA fingerprinting) and computer science were utilized in the investigation of violent and suspected violent deaths in addition to the time-honored scientific methods. As we ponder the events of the year nineteen eighty-nine, we take great pride and satisfaction in the contribution made by each member of this office in order to provide for the safety and welfare of our community. Because of their efforts, among other things, it has been possible to produce the first computer-aided coroner's statistical report. Mindful of all of their diligent and loyal service to this office and to our community this year's annual report is dedicated to each and every member of the Cuyahoga County Coroner's Office.

Samuel R. Gerber Building, 2121 Adelbert Road, Cleveland, Ohio 216/721-5610

ABOUT THIS BOOK

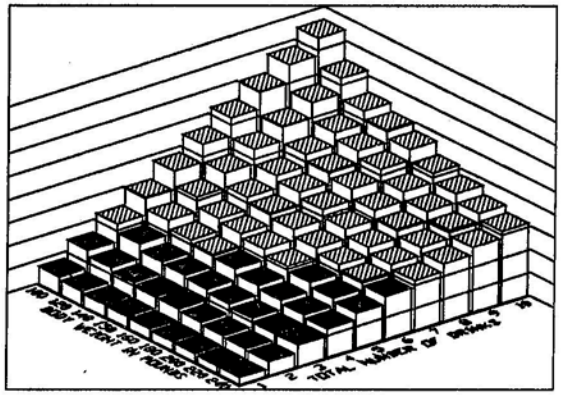
This year's Coroner's Statistical Report is the fifty-first produced by this office. It contains almost all of the maps, charts, graphs, illustrations, and tables found in previous editions and retains the decades-old tabular format to facilitate consistent long-term study. The similarities between the previous fifty reports and this one end at this point.

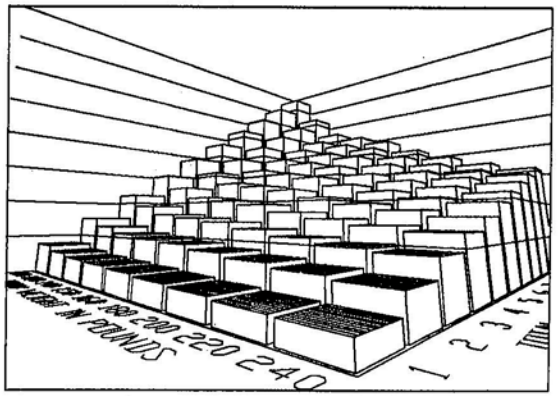
The most visible change is the new graphic layout of this statistical report. The design changes are intended to improve data location and readability. Categories as to the manner of death, table numbers and page numbers are all located on the outside of the page so that information can be found at a glance. Additionally, the tables have all been redrawn. The new tables have a minimum of horizontal lines and instead make use of shading screens so that it is easier to follow columns of numbers across a page. In many cases, the physical dimensions of the type and the tables have been increased to improve legibility.

The ability to make all of these changes within a year is exclusively due to the recent purchase of the photography department's WYSE pc 286-based computer system (*top photograph*). The system's hardware components are the above-mentioned WYSE pc 286 computer with an 80 megabyte hard drive and two floppy drives, a NEC/ MULTISYNC xl color monitor, a CalComp digitizing tablet, a Texas Instruments OmniLaser 2106 printer, an Irwin tape back-up, and a variety of boards necessary to operate the hardware and software. The software installed on the system includes MS-DOS, Lumena (computer graphics), WordPerfect (word processing), AutoCAD (computer aided design and drafting), and, most important for this application, PageMaker (desktop publishing).

Previous methodology for producing the Statistical Report included tabulation of raw data, rapidiograph-drawn vertical lines on every table, typing data, horizontally drawn lines, proof reading, photostatic reduction of every table, cutting and paste-up, addition of titles and footnotes on each page, hand drawing and inking of every new graph and illustration, proof reading, addition of page numbers, cutting camera-ready pages to their correct dimensions and final proof reading.

By using PageMaker, the process is considerably different. After the raw data is generated, each page is composed on the monitor. Once the page is completed, it can be printed out as camera-ready. The work is then proof read, corrections made and it is then ready for the printer. Illustrations from previous editions were simply electronically scanned and inserted. All of the graphs and charts are generated in AutoCAD and electronically transfered to PageMaker through the use of AutoCAD's ADI plotter. The benefit of using AutoCAD rather than a business graphic product is that there are few if any limits to what can be drawn. Additionally, once a three-dimensional entity is created in AutoCAD, it can be rotated and examined from any position. An example is the graph shown below (*bottom, left and page 88*). By using AutoCAD's perspective





mode the drawing can take on an entirely different view in seconds (*bottom, right*). While this year's book took many months to prepare, future editions will largely involve editing and will be completed in considerably less time.

Aside from the Statistical Report applications of the system, the photo department can use AutoCAD for crime scene reconstructions, studies of blood flight characteristics, electronic unwrapping of impressions from surfaces, and corrections in scale due to photographic foreshortening. Within a short period of time, the department's system will also be able to electronically enhance photographs and examine objects with the recently purchased Pulnix CCD camera, ELECTROHOME 13" high resolution video monitor and VISION*plus*-AT imaging software.

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 Coroner's Verdict as to the manner of death. Thus, the following categories are used:

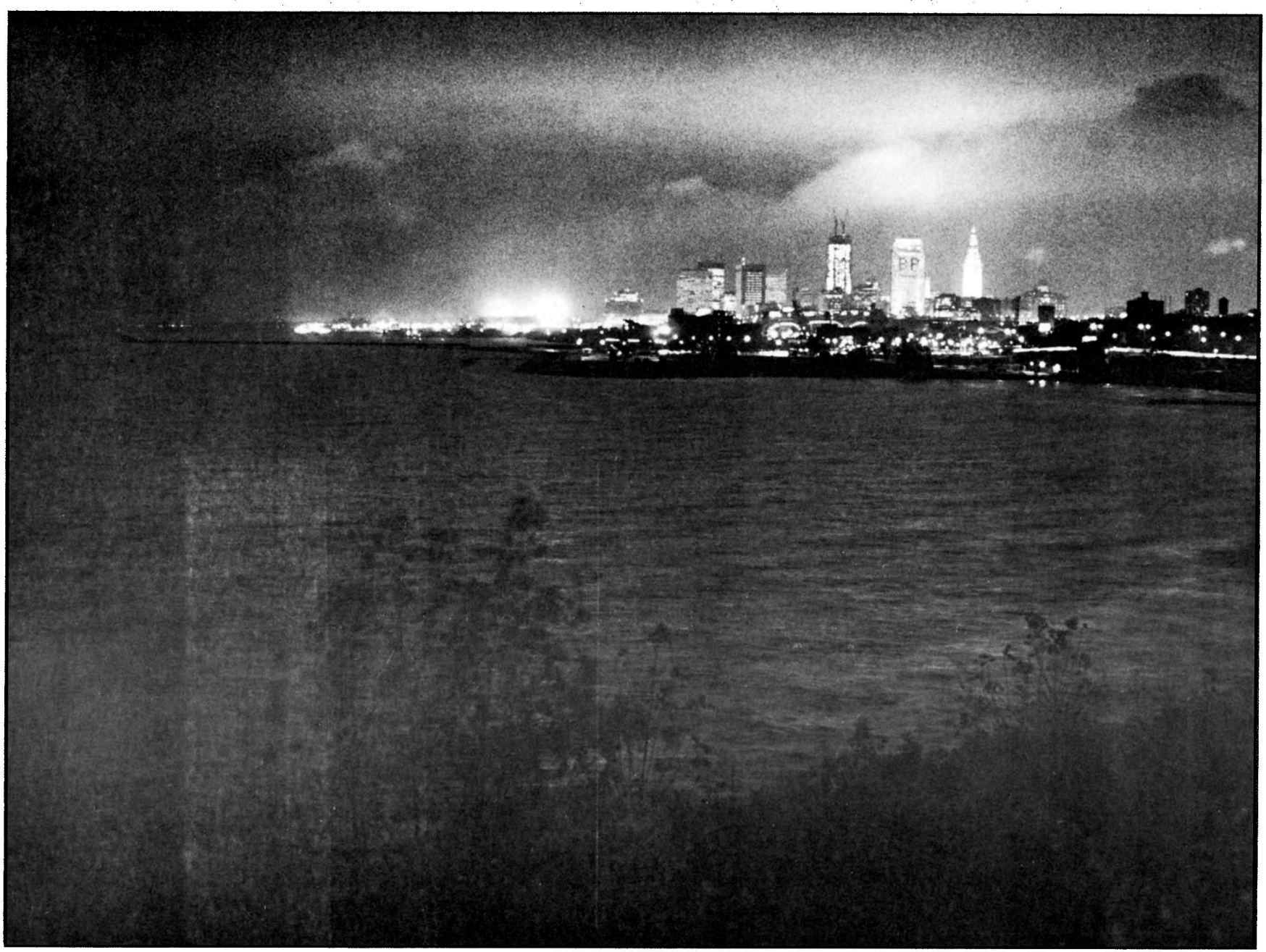
ACCIDENTS IN THE HOME
ACCIDENTS WHILE AT WORK
VEHICULAR ACCIDENTS
ACCIDENTS IN OTHER PLACES
HOMICIDES
SUICIDES
VIOLENCE OF UNDETERMINED ORIGIN
NATURAL CAUSES
ABORTIONS
NEONATAL AND INTRA-UTERINE DEATHS
CAUSE AND ORIGIN UNDETERMINED

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

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

CUYAHOGA COUNTY

DOWNTOWN CLEVELAND SKYLINE



WHAT IS A CORONER'S CASE?

SECTIONS 313.11 AND 313.12
REVISED CODE OF STATE OF OHIO

"... any person (who) dies as a result of

. **CRIMINAL** or other

. **VIOLENT** means, or by

. **CASUALTY**, or by

. **SUICIDE**, or

. **SUDDENLY** when in apparent health, or in any

. **SUSPICIOUS** or **UNUSUAL** manner ..."

THE CORONER SHALL KEEP A COMPLETE RECORD AS REQUIRED BY THE REVISED CODE OF THE STATE OF OHIO

AVAILABILITY OF PUBLIC RECORD

Section 149.43 (A) As used in this section:

(1) "Public record" means any record that is required to be kept by any governmental unit, including, but not limited to, state, county, city, village, township, and school district units, except medical records, records pertaining to adoption, probation, and parole proceedings, trial preparation records, confidential law enforcement investigatory records, and records the release of which is prohibited by state or federal law.

(2) "Confidential law enforcement investigatory record" means any record that pertains to a law enforcement matter of a criminal, quasi-criminal, civil, or administrative nature, but only to the extent that the release of the record would create a high probability of disclosure of any of the following:

(a) The identity of a suspect who has not been charged with the offense to which the record pertains, or of an information source or witness to whom confidentiality has been reasonably promised;

(b) Information provided by an information source of witness to whom confidentiality has been reasonably promised, which information would reasonably tend to disclose his identity;

(c) Specific confidential investigatory techniques or procedures or specific investigatory work product;

(d) Information that would endanger the life or physical safety of law enforcement personnel, a crime victim, a witness, or confidential information source.

(3) "Medical record" means any document or combination of documents, except births, deaths, and the fact of admission to or discharge from a hospital, that pertains to the medical history, diagnosis, prognosis or medical condition of a patient and that is generated and maintained in the process of medical treatment.

(4) "Trial preparation record" means any record that contains information that is specifically compiled in reasonable anticipation of, or in defense of, a civil or criminal action or proceeding, including the independent thought processes and personal trial preparation of an attorney.

(B) All public records shall be promptly prepared and made available to any member of the general public at all reasonable times for inspection. Upon request, a person

responsible for public records shall make copies available at cost, within a reasonable period of time. In order to facilitate broader access to public records, governmental units shall maintain public records in such a manner that they can be made available for inspection in accordance with this division.

(C) Chapter 1347. of the Revised Code does not limit the provisions of this section.

Section 313.09. The coroner shall keep a complete record of and shall fill in the cause of death on the death certificate, in all cases coming under his jurisdiction. All records shall be kept in the office of the coroner, but, if no such office is maintained, then such records shall be kept in the office of the clerk of the court of common pleas.
Such records shall be properly indexed, and shall state the name, if known, of every deceased person as described in section 313.12 of the Revised Code, the place where the body was found, date of death, cause of death, and all other available information. The report of the coroner and the detailed findings of the autopsy shall be attached to the report of each case. The coroner shall promptly deliver, to the prosecuting attorney of the county in which such death occurred, copies of all necessary records relating to every death in which, in the judgment of the coroner or prosecuting attorney, further investigation is advisable. The sheriff of the county, the police of the city, the constable of the township, or marshal of the village in which the death occurred may be requested to furnish more information or make further investigation when requested by the coroner or his deputy. The prosecuting attorney may obtain copies of records and such other information as is necessary from the office of the coroner. All records of the coroner are the property of the county.

RECORDS TO BE PUBLIC;
CERTIFIED COPIES AS EVIDENCE

Section 313.10 (2855-11). The records of the coroner, made by himself or by anyone acting under his direction or supervision are public records, and such records, or transcripts, or photostatic copies thereof, certified by the coroner, shall be received as evidence in any criminal or civil court in this state, as to the facts contained in such records.

All records in the coroner's office shall be open to inspection by the public, and any person may receive a copy of any such record or part thereof upon demand in writing, accompanied by payment of the transcript fee, at the rate of fifteen cents per hundred words, or a minimum fee of one dollar.

WHO REPORTS THE DEATH TO THE CORONER'S OFFICE?

AS REQUIRED BY THE
REVISED CODE OF THE STATE OF OHIO.

Section 313.11. (A) No person shall, without an order from the coroner, purposely remove or disturb the body of any person who has died in the manner described in section 313.12 of the Revised Code, or purposely and without such an order disturb the clothing or any article upon or near such a body or any of the possesions which the coroner has a duty to store under Section 313.14 of the Revised Code.

(B) It is an affirmative defense to a charge under this section that the offender attempted in good faith to rescue or administer life-preserving assistance to the deceased person, even though it is established he was dead at the time of the attempted rescue or assistance.

(C) Whoever violates this section is guilty of unlawfully disturbing a body, a misdemeanor of the fourth degree.

Section 313.12. When any person dies as a result of criminal or other violent means, or by casualty, or by suicide, or suddenly when in apparent health, or in any suspicious or unusual manner, the physician called in attendance, or any member of an ambulance service, emergency squad, or law enforcement agency who obtains knowledge thereof arising from his duties, shall immediately notify the office of the coroner of the known facts concerning the time, place, manner, and circumstances of such death, and any other information which is required pursuant to sections 313.01 to 313.22 of the Revised Code. In such cases, if a request is made for cremation, the funeral director called in attendance shall immediately notify the coroner.

WHAT AUTHORITY DOES THE CORONER HAVE IN REGARD TO THE BODY?

AS REQUIRED BY THE
REVISED CODE OF THE STATE OF OHIO

Section 313.13. The coroner or deputy coroner may go to the dead body and take charge of it. If, in the opinion of the coroner, or, in his absence, in the opinion of the deputy, an autopsy is necessary, such autopsy shall be performed by the coroner, deputy coroner, or pathologists. A detailed description of the observations written during the progress of such autopsy or as soon after such autopsy as reasonably possible, and the conclusions drawn therefrom shall be filed in the office of the coroner.

If he takes charge of and decides to perform, or performs, an autopsy on a dead body under this section, the coroner, or in his absence, the deputy coroner, may, under division (E) of section 2108.02 of the Revised Code, waive his paramount right to any donated part of the dead body.

Section 313.14. The coroner shall notify any known relatives of a deceased person who meets death in the manner described by section 313.12 of the Revised Code by letter or otherwise. The next of kin, other relatives, or friends of the deceased person, in the order named, shall have prior right as to disposition of the body of such deceased person. If relatives of the deceased are unknown, the coroner shall make a diligent effort to ascertain the next of kin, other relatives, or friends of the deceased person. The coroner shall take charge and possession of all moneys, clothing, and other valuable personal effects of such deceased person, found in connection with or pertaining to such body, and shall store such possessions in the county coroner's office or such other suitable place as is provided for such storage by the board of county commissioners. If the coroner considers it advisable, he may, after taking adequate precautions for the security of such possessions, store the possessions where he finds them until other storage space becomes available. After using such of the clothing as is necessary in the burial of the body, in case the cost of the burial is paid by the county, the coroner shall sell at public auction the valuable personal effects of such deceased persons, found in connection with or pertaining to the unclaimed body, except firearms, which shall be disposed of as provided by section 313.141 of the Revised Code, and he shall make a verified inventory of such effects. Such effects shall be sold within eighteen months after the burial, or after delivery of such body in accordance with section 1713.34 of the Revised Code. All

moneys derived from such sale shall be deposited in the county treasury. A notice of such sale shall be given in one newspaper of general circulation in the county, for five days in succession, and the sale shall be held immediately thereafter. The cost of such advertisement and notices shall be paid by the board upon submission of a verified statement therefor, certified to the coroner.

This section does not invalidate section 1713.34 of the Revised Code.

SECTION 313.141. FIREARMS

Section 313.141. If firearms are included in the valuable personal effects of a deceased person who met death in the manner described by section 313.12 of the Revised Code, the coroner shall deliver the firearms to the chief of police of the municipal corporation within which the body is found, or to the sheriff of the county if the body is not found within a municipal corporation. The firearms shall be used for law enforcement purposes only or they shall be destroyed. Upon delivery of the firearms to the chief of police or the sheriff, the law enforcement officer to whom the delivery is made shall give the coroner a receipt for the firearms that states the date of delivery and an accurate description of the firearms.

Section 313.15. All dead bodies in the custody of the coroner shall be held until such time as the coroner, after consultation with the prosecuting attorney, or with the police department of a municipal corporation, if the death occurred in a municipal corporation, or with the sheriff, has decided that it is no longer necessary to hold such body to enable him to decide on a diagnosis giving a reasonable and true cause of death, or to decide that such a body is no longer necessary to assist any such officials in his duties.

Section 313.16. In counties where no coroner's laboratory has been established, the coroner may request a coroner of a county in which such a laboratory is established to perform necessary laboratory examinations, the cost of which shall be no greater than the actual value of the services of technicians and the materials used in performing such examination. Money derived from the fees paid for these examinations shall be kept in a special fund, for the use of the coroner's laboratory, from which fund replacements can be made. Such funds shall be used to purchase necessary supplies and equipment for the laboratory.

WHAT AUTHORITY DOES THE CORONER HAVE IN REGARD TO INVESTIGATION INTO THE CIRCUMSTANCES OF THE DEATH?

AS REQUIRED BY THE
REVISED CODE OF THE STATE OF OHIO.

Section 313.17. The coroner or deputy coroner may issue subpoenas for such witnesses as are necessary, administer to such witnesses the usual oath, and proceed to inquire how the deceased came to his death, whether by violence to self or from any other persons, by whom, whether as principals or accessories before or after the fact, and all circumstances relating thereto. The testimony of such witnesses shall be reduced to writing and subscribed to by them, and with the findings and recognizances mentioned in this section, shall be kept on file in the coroner's office, unless the county fails to provide such an office, in which event all such records, findings and recognizances shall be kept on file in the office of the clerk of the court of

common pleas. The coroner may cause such witnesses to enter into recognizance, in such sum as is proper, for their appearance at the succeeding term of the court of common pleas, to give testimony concerning the matter. He may require any such witnesses to give security for their attendance, and, if any of them fails to comply with his requirements he shall commit such person to the county jail until discharged by due course of law. In case of the failure of any person to comply with such subpoena, or on the refusal of a witness to testify to any matter regarding which he may lawfully be interrogated, the probate judge, or a judge of the court of common pleas, on application of the coroner, shall compel obedience to such subpoena by attachment proceedings as for contempt. A report shall be made from the personal observation by the coroner or his deputy of the corpse, from the statements of relatives or other persons having any knowledge of the facts, and from such other sources of information as are available, or from the autopsy.

Section 313.20. The coroner may issue any writ required by sections 313.01 to 313.22 of the Revised Code, to any constable of the county in which a body is found as described in section 313.12 of the Revised Code, or if the emergency so requires, to any discreet person of the county, and such person is entitled to receive for the services rendered the same fees as elected constables. Every constable, or other person so appointed, who fails to execute any warrant directed to him, shall forfeit and pay twenty-five dollars, which amount shall be recovered upon the complaint of the coroner, before any court having jurisdiction thereof. All such forfeitures shall be for the use of the county.

USE OF LABORATORY FOR EMERGENCY OR LAW ENFORCEMENT PURPOSES

Section 313.21 (A) The coroner may use or may allow the use of the coroner's laboratory and facilities for tests in an emergency involving suspected toxic substances or for law enforcement-related testing, and may direct his assistants and other personnel to perform such testing in addition to testing performed in execution (sic) of their duties as set forth in section 313.01 to 313.22 of the Revised Code. Nothing in this division shall permit such testing except in compliance with state and federal certificate of need and quality assurance requirements for medical laboratories.

(B) The coroner shall keep a complete record of all chemical tests and other tests performed each fiscal year pursuant to division (A) of this section, the public agency, hospital, or person for whom the test was performed, and the cost incurred for each test. This record shall be kept in the office of the coroner.

SECTIONS OF THE CODE PERTAINING TO RELEASE OF INFORMATION

PERSONAL INFORMATION SYSTEMS

EXEMPTIONS

Section 1347.04. (A) Any state or local agency or part of an agency that performs as its principal function any activity relating to the enforcement of the criminal laws, including police efforts to prevent, control, or reduce crime or to apprehend criminals, the criminal courts, prosecutors, or any agency that is a correction, probation, pardon, or parole authority is exempt from the provisions of this chapter except from the provisions of section 1347.03 of the

Revised Code. A part of an agency that does not perform, as its principal function, an activity relating to the enforcement of criminal laws is not exempt under this section.

(B) The provisions of Chapter 1347. of the Revised Code shall not be construed to prohibit the release of public records, or the disclosure of personal information in public records, as defined in section 149.43 of the Revised Code, or to authorize a public body to hold an executive session for the discussion of personal information if the executive session is not authorized under division (G) of section 121.22 of the Revised Code.

The disclosure to members of the general public record, as defined in section 149.43 of the Revised Code, is not an improper use of personal information under this chapter.

(C) After the initial filing of notice required by section 1347.03 of the Revised Code, the department of administrative services and the Ohio privacy board may, by rule adopted pursuant to Chapter 119. of the Revised Code, exempt any personal information system from the provisions of Chapter 1347. of the Revised Code for a period of five years, if either of the following applies:

(1) The system maintains a small amount of personal information of such a nature that personal privacy would not be endangered if the use of that information was not regulated or controlled by this chapter.

(2) The system is comprised of investigatory material compiled for law enforcement purposes by agencies not described in division (A) of this section.

RIGHTS OF SUBJECTS, OR
POSSIBLE SUBJECTS, TO INSPECTION

Section 1347.08. (A) Every state or local agency that maintains a personal information system, upon the request and the proper identification of any person who is the subject of personal information in the system, shall:

(1) Inform the person of the existence of any personal information in the system of which he is the subject;

(2) Except as provided in divisions (C) and (F)(2) of this section, permit the person, his legal guardian, or an attorney who presents a signed written authorization made by the person, to inspect all personal information in the system of which he is the subject;

(3) Inform the person about the types of uses made of any such personal information, including the identity of any users usually granted access to the system.

(B) Any person who wishes to exercise a right provided by this section may be accompanied by another individual of his choice.

(C) An agency, upon request, shall disclose medical, psychiatric, or psychological information to a person who is the subject of the information or to his legal guardian, unless a physician, psychiatrist, or psychologist determines for the agency that the disclosure of the information is likely to have an adverse effect on the person, in whichcase the information shall be released to a physician, psychiatrist, or psychologist designated by the person or by his legal guardian.

(D) A person may request to inspect any personal information of which he is the subject and that is maintained by an agency only once in every calendar year, unless rules of the department of administrative services or the Ohio privacy board adopted pursuant to section 1347.06 of the Revised Code permit more frequent inspection.

(E) Each agency may establish reasonable fees to be charged a person who requests to copy personal information maintained by the agency.

(F)(1) This section regulates access to personal infor-

mation maintained in a personal information system by persons who are the subject of the information, but does not limit the authority of any person, including a person who is the subject of personal information maintained in a personal information system, to inspect or have copied, pursuant to section 149.43 of the Revised Code, a public record as defined in that section.

(2) This section does not provide a person who is the subject of personal information maintained in a personal information system, his legal guardian, or an attorney authorized by the person, with a right to inspect or copy, or require an agency that maintains a personal information system to permit the inspection or copying of a confidential law enforcement investigatory record or trial preparation record, as those terms are defined in divisions (A)(2) and (4) of section 149.43 of the Revised Code.

(G) This section does not apply to the papers, records and books pertaining to an adoption, which under section 3107.17 of the Revised Code are subject to inspection only upon consent of the court.

GIFT OF BODY OR PART:
RIGHTS OF NEXT OF KIN TO DONATE

Section 2108.02. (A) Any individual of sound mind and eighteen years of age or more may give all or any part of his body for any purpose specified in section 2108.03 of the Revised Code the gift to take effect upon his death.

(B) Any of the following persons, in the order of priority stated, when persons in prior classes are not available at the time of death, and in the absence of actual notice of contrary indications by the decedent or actual notice of opposition by a member of the same or a prior class, may give any part of the decedent's body for any purpose specified in section 2108.03 of the Revised Code:

(1) The spouse;

(2) An adult son or daughter;

(3) Either parent;

(4) An adult brother or sister;

(5) A guardian of the person of the decedent at the time of his death;

(6) Any other person authorized or under obligation to dispose of the body.

(C) The donee shall not accept the gift if he has actual notice of contrary indications by the decedent or that a gift by a member of a class is opposed by a member of the same or a prior class. The persons authorized in division (B) of this section may make the gift after or immediately before death.

(D) A gift of all or part of a body authorizes any examination necessary to assure medical acceptability of the gift for the purpose intended.

(E) The rights of the donee created by the gift are paramount to the rights of others except that a coroner, or in his absence, a deputy coroner, who has, under section 313.13 of the Revised Code, taken charge of the decedent's dead body and decided that an autopsy is necessary, has a right to the dead body and any part that is paramount to the rights of the donee. The coroner, or in his absence, the deputy coroner, may waive this paramount right and permit the donee to take a donated part if the donated part is or will be unnecessary for successful completion of the autopsy or for evidence. If the coroner or deputy coroner does not waive his paramount right and later determines, while performing the autopsy, that the donated part is or will be unnecessary for successful completion of the autopsy or for evidence, he may thereupon waive his paramount right and permit the donee to take the donated part, either during

the autopsy or after it is completed.

2108.30. Determination that death has occurred; immunity of physician.

An individual is dead if he has sustained either irreversible cessation of circulatory and respiratory functions or irreversible cessation of all functions of the brain, including the brain stem, as determined in accordance with accepted medical standards. If the respiratory and circulatory functions of a person are being artificially sustained, under accepted medical standards a determination that death has occurred is made by a physician by observing and conducting a test to determine that the irreversible cessation of all functions of the brain has occurred.

A physician who makes a determination of death in accordance with that section and accepted medical standards is not liable for damages in any civil action or subject to prosecution in any criminal proceeding for his acts or the acts of others based on that determination.

Any person who acts in good faith in reliance on a determination of death made by a physician in accordance with this section and accepted medical standards is not liable for damages in any civil action or subject to prosecution in any criminal proceedings for his actions.

REMOVAL OF DONOR EYES
FOR CORNEAL TRANSPLANTS

Section 2108.60. (A) As used in this section:

(1) "Cornea" or "corneas" includes corneal tissue.

(2) "Eye bank" means a nonprofit corporation that is organized under the laws of this state, the purposes of which include obtaining, storing, and distributing corneas to be used for corneal transplants or other medical or medical research purposes, and that is exempt from federal taxation under subsection 501 (c) of the Internal Revenue Code.

(3) "Eye bank official" means a person authorized by the trustees of an eye bank to make requests for corneas to be used for corneal transplants or other medical or medical research purposes.

(4) "Eye technician" means a person authorized by the medical director of an eye bank to remove the corneas of a decedent.

(5) "Internal revenue code" means the "internal revenue code of 1954," 68A STAT. 3, 26 U.S.C. 1, as amended.

(B) A county coroner who performs an autopsy pursuant to section313.13 of the Revised Code, may remove one or both corneas of the decedent, or a coroner may authorize a deputy coroner, physician or surgeon licensed pursuant to section 4731.14 of the Revised Code, embalmer authorized under section 2108.071 of the Revised Code toenucleate eyes, or eye technician to remove one or both corneas of a decedent whose body is the subject of an autopsy performed pursuant to section 313.13 of the Revised Code, if all of the following apply:

(1) The corneas are not necessary for the successful completion of the autopsy or for evidence;

(2) An eye bank official has requested the removal or corneas and certified to the coroner in writing that the corneas will be used only for corneal transplants or other medical research purposes;

(3) The removal of the corneas and gift to the eye bank do not alter a gift made by the decedent or any other person authorized under this chapter to an agency or organization other than the eye bank;

(4) The coroner at the time he removes or authorizes the removal of the corneas, has no knowledge of an

objection to the removal by any of the following:

(a) The decedent, as evidenced in a written document executed during his lifetime;

(b) The decedent's spouse;

(c) If there is no spouse, the decedent's adult children;

(d) If there is no spouse and no adult children, the decedent's parents;

(e) If there is no spouse, no adult children, and no parents, the decedent's brothers or sisters;

(f) If there is no spouse, no adult children, no parents, and no brothers or sisters, the guardian of the person of the decedent at the time of death;

(g) If there is no spouse, no adult children, no parents, no brothers or sisters, no guardian of the person of the decedent at the time of death, any other person authorized or under obligation to dispose of the body.

(C) Any person who acts in good faith under this section and without knowledge of an objection, as described in division (B)(4) of this section, to the removal of corneas is not liable in any civil or criminal action based on the removal.

PHYSICAL ABUSE AND NEGLECT OF CHILDREN (BATTERED CHILD SYNDROME)

PERSONS REQUIRED TO REPORT INJURY OR NEGLECT: PROCEDURES ON RECEIPT OF REPORT

Section 2151.421 Any attorney,physician,including a hospital intern or resident, dentist, podiatrist, practitioner of a limited branch of medicine or surgery as defined in section 4731.15 of the Revised Code, registered or licensed practical nurse, visiting nurse, or other health care professional, licensed psychologist, speech pathologist or audiologist, coroner, administrator or employee of a certified child day-care center, or adminstrator or employee of a certified child care agency or other public or private children services agency, school teacher or school authority, social worker, or person rendering spiritual treatment through prayer in accordance with the tenets of a well recognized religion, acting in his official or professional capacity, having reason to believe that a child less than eighteen years of age or any crippled or otherwise physically or mentally handicapped child under twenty-one years of age has suffered any wound, injury, disability, or condition of such a nature as to reasonably indicate abuse or neglect of the child, shall immediately report or cause reports to be made of such information to the children services board or the county department of welfare exercising the children services function, or a municipal or county peace officer in the county in which the child resides or in which the abuse or neglect is occurring or has occurred.

Anyone having reason to believe that a child less than eighteen years of age or any crippled or otherwise physically or mentally handicapped child under twenty-one years of age has suffered any wound, injury, disability, or other condition of such nature as to reasonably indicate abuse or neglect of the child may report or cause reports to be made of such information to the children services board or the county department of welfare exercising the children services function, or to a municipal or county peace officer.

The reports shall be made forthwith by telephone or in person forthwith, and shall be followed by a written report, if requested by the receiving agency or officer. The written report shall contain:

(A) The names and addresses of the child and his parents or person or persons having custody of such child, if known;

(B) The child's age and the nature and extent of the child's injuries, abuse, or neglect, including any evidence of previous injuries, abuse, or neglect;

(C) Any other information which might be helpful in establishing the cause of the injury, abuse, or neglect.

Any person who is required to report cases of child abuse or neglect may take or cause to be taken color photographs of areas of trauma visible on a child and, if medically indicated, cause to be performed radiological examination of the child.

When the attendance of the physician is pursuant to the performance of services as a member of the staff of a hospital or similar institution, he shall notify the person in charge of the institution or his designated delegate who shall make the necessary reports.

Upon the receipt of a report concerning the possible abuse or neglect of a child, the municipal or county peace officer shall refer such report to the appropriate county department of welfare or children services board.

No child upon whom a report is made shall be removed from his parents, step parents, guardian, or other persons having custody by a municipal or county peace officer without consultation with the children services board or the county department of welfare exercising the children services function unless, in the judgment of the reporting physician and the officer, immediate removal is considered essential to protect the child from further abuse or neglect.

The county department of welfare or children services board shall investigate, within twenty-four hours, each report referred to it under this section to determine the circumstances surrounding the injury or injuries, abuse, or neglect, the cause thereof, and the person or persons responsible. The investigation shall be made in cooperation with the law enforcement agency. The county department of welfare or children services board shall report each case to a central registry which the state department of public welfare shall maintain in order to determine whether prior reports have been made in other counties concerning the child or other principals in the case. The department or board shall submit a report of its investigation, in writing, to the law enforcement agency.

The county department of welfare or children services board shall make such recommendations to the county prosecutor or city director of law as it deems necessary to protect such children as are brought to its attention.

Anyone or any hospital, institution, school, health department, or agency participating in the making of the reports, or anyone participating in a judicial proceeding resulting from the reports, shall be immune from any civil or criminal liability that might otherwise be incurred or imposed as a result of such actions. Notwithstanding section 4731.22 of the Revised Code, the physician-patient privilege shall not be a ground for excluding evidence regarding a child's injuries, abuse, or neglect, or the cause thereof in any judicial proceeding resulting from a report submitted pursuant to this section.

Nothing in this section shall be construed to define as an abused or neglected child any child who is under spiritual treatment through prayer in accordance with the tenets and practice of a well recognized religion in lieu of medical treatment, and no report shall be required as to the child.

Any report made under this section is confidential, and any person who permits or encourages the unauthorized dissemination of its contents is guilty of a misdemeanor of the fourth degree.

Reports required by this section shall result in protective services and emergency supportive services being made available by the county department of welfare or children

services board on behalf of children about who (sic) the reports are made, in an effort to prevent further neglect or abuse, to enhance their welfare, and whenever possible, to preserve the family unit intact. The department of public welfare shall exercise rule-making authority under Chapter 119. of the Revised Code to aid in the implementation of this section.

There shall be placed on file with the juvenile court in each county and the department of public welfare an initial plan of cooperation jointly prepared and subscribed to by a committee consisting of the county peace officer, all chief municipal peace officers within the county, the prosecuting attorney of the county and the director of law of each city, and the children services board or county welfare department exercising the children services function as convened by the county welfare director. The plan shall set forth the normal operating procedure to be employed by all concerned officials in the execution of their respective responsibilities under this section and section 2151.41 of the Revised Code. The plan shall include a system for cross-referral of reported cases of abuse and neglect as necessary, and shall also include the name and title of the official directly responsible for making reports to the central registry.

Section 2921.22. (A) No person, knowing that a felony has been or is being committed, shall knowingly fail to report such information to law enforcement authorities.

(B) No physician, limited practitioner, nurse, or person giving aid to a sick or injured person, shall negligently fail to report to law enforcement authorities any gunshot or stab wound treated or observed by him, or any serious physical harm to persons which he knows or has reasonable cause to believe resulted from an offense of violence.

(C) No person who discovers the body or acquires the first knowledge of the death of any person shall fail to report such death immediately to any physician known by such person to be treating the deceased for a condition from which death at such time would not be unexpected, or to a law enforcement officer, ambulance service, emergency squad, or the coroner in a political subdivision in which the body is discovered, death is believed to have occurred, or knowledge concerning it is obtained.

(D) No person shall fail to provide upon request of the person to whom he has made a report required by division (C) of this section, or to any law enforcement officer who has reasonable cause to assert the authority to investigate the circumstances surrounding such death, any facts within his knowledge that may have a bearing on the investigation of such death.

(E) Division (A) or (D) of this section does not require disclosure of information, when any of the following applies:

(1) The information is privileged by reason of the relationship between attorney and client, doctor and patient, licensed psychologist or licensed school psychologist and client, priest and penitent, or husband and wife.

(2) The information would tend to incriminate a member of the actor's immediate family.

(3) Disclosure of the information would amount to revealing a news source, privileged under section 2739.04 or 2739.12 of the Revised Code.

(4) Diclosure of the information would amount to disclosure by an ordained clergyman of an organized religious body confidential communication made to him in his capacity as such by a person seeking his aid or counsel.

(5) Disclosure would amount to revealing information acquired by the actor in the course of his duties in connection with bona fide program of treatment of services

for drug dependent persons or persons in danger of drug dependence, which program is maintained or conducted by a hospital, clinic, person, agency, or organization registered pursuant to section 5122.51 of the Revised Code.

(F) No disclosure of information pursuant to this section gives rise to any liability or recrimination for a breach of privilege or confidence.

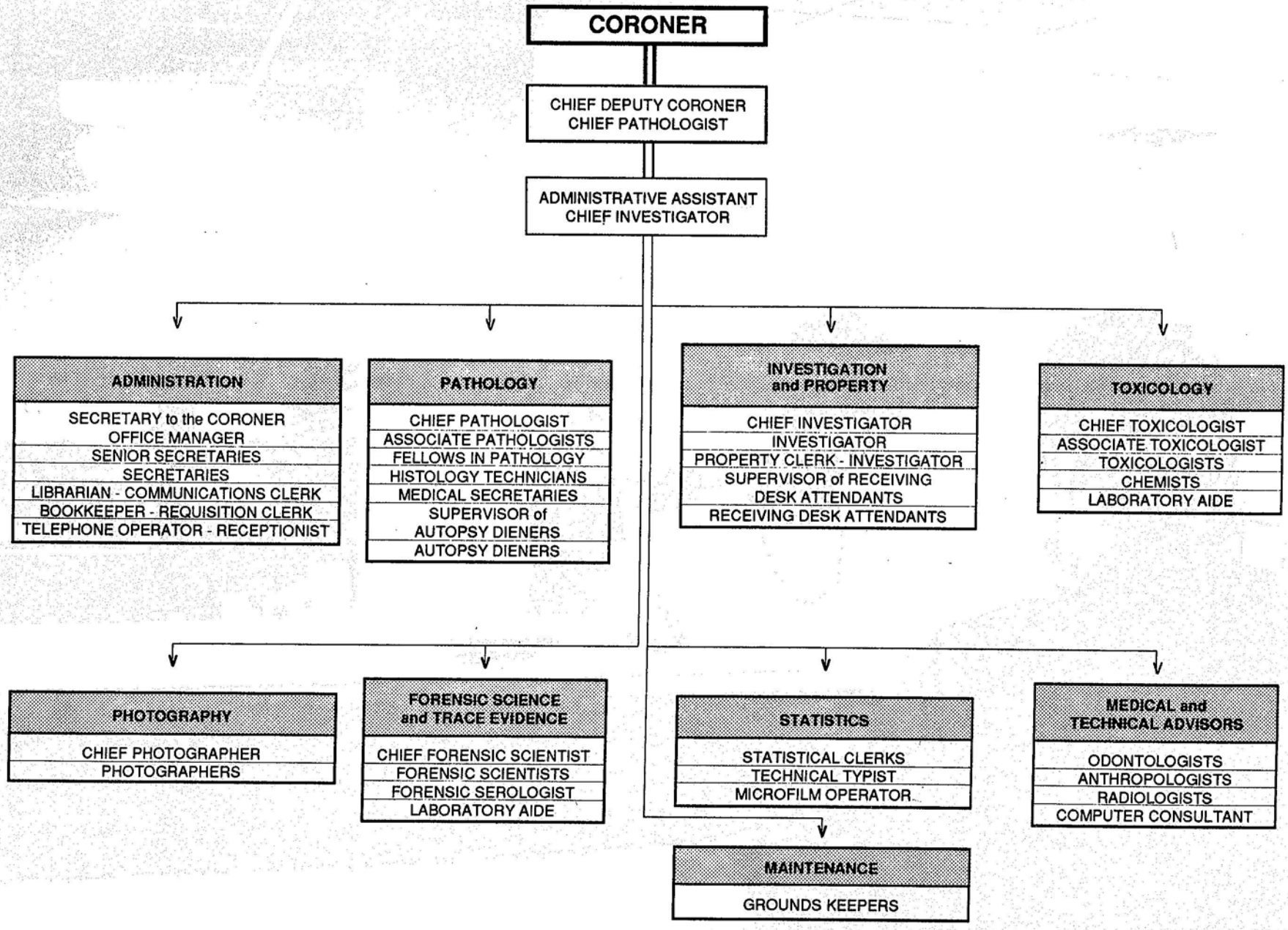
(G) Whoever violates division (A) or (B) of this section is guilty of failure to report a crime. Violation of division (A) of this section is a misdemeanor of the fourth degree. Violation of division (B) of this section is a misdemeanor of the second degree.

(H) Whoever violates division (C) or (D) of this section is guilty of failure to report knowledge of a death, a misdemeanor of the fourth degree.

WHO SIGNS THE DEATH CERTIFICATE?

Section 3705.27. The personal and statistical particulars in the certificate of death or stillbirth shall be obtained by the funeral director or other person in charge of interment or cremation from the best qualified persons or sources available. The statement of facts relating to the disposition of the body and information relative to the armed services referred to in section 3705.26 of the Revised Code shall be signed by the funeral director. The funeral director shall then present the certicate of death to the physician or coroner for certification of the cause of death. The medical certificate of death shall be made and signed by the physician who attended the deceased or by the coroner within forty-eight hours after death. The coroner may satisfy the requirement of signing a death certificate showing the cause of death as pending either by stamping it with a stamp of his signature or by signing it in his own hand, but he shall sign a certificate of death or supplementary medical certification in his own hand. If there is reason to believe that the death was caused by unlawful or suspicious means, the funeral director shall immediately notify the office of the coroner. The coroner shall make inquiry, as provided by section 313.17 of the Revised Code, and make the medical certificate of death or stillbirth required for a burial permit, except as otherwise authorized by regulation of the public health council.

THE CORONER'S STAFF



THE CORONER'S STAFF (continued)

CORONER 1

ADMINISTRATION

Administrative Assistant - Chief Investigator 1
Secretary to the Coroner - Office Manager 1
Senior Secretaries 2
Secretaries 6
Librarian - Communications Clerk 1
Bookkeeper - Requisition Clerk 1
Telephone Operator - Receptionist 1

INVESTIGATION AND PROPERTY DEPARTMENT

Investigator - Property Clerks 2
Desk Attendants 9
Grounds Keepers 3

PATHOLOGY DEPARTMENT

Chief Deputy Coroner - Chief Pathologist 1
Deputy Coroner - Pathologists 4
Histology Technicians 2
Medical Secretaries 3
Autopsy Dieners 3

MEDICAL AND TECHNICAL ADVISORS

Odontologists *2*
Anthropologist *1*
Computer Consultant *1*
Radiologist *1*

PHOTOGRAPHIC DEPARTMENT

Chief Photographer 1
Photographers 2

STATISTICAL DEPARTMENT

Statisticians 2
Technical Typist 1
Microfilm Operator 1

TOXICOLGY DEPARTMENT

Chief Toxicologist 1
Associate Toxicologist 1
Toxicologists 2
Chemists 4
Laboratory Aide (and weekend autopsy diener) 1

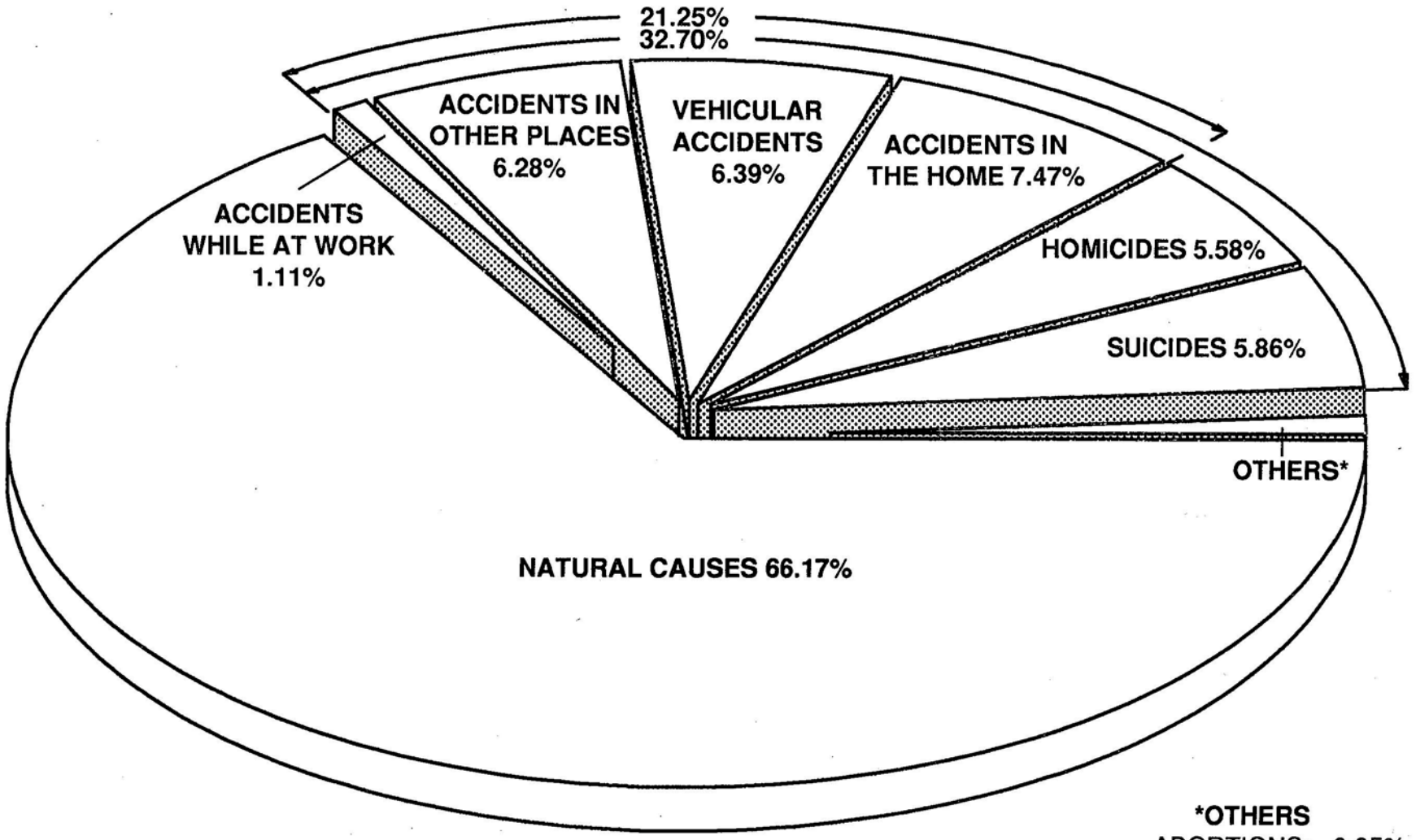
FORENSIC SCIENCE AND TRACE EVIDENCE

Chief Forensic Scientist 1
Forensic Scientists 3
Forensic Serologists 1
Laboratory Aide 1

Total Full Time Employees **62**
Total Part Time Employees ***5***
TOTAL (CORONER AND STAFF) **68**

TYPES OF CASES RECEIVED AT THE CUYAHOGA COUNTY CORONER'S OFFICE

151,194 CASES (1943 - 1989)



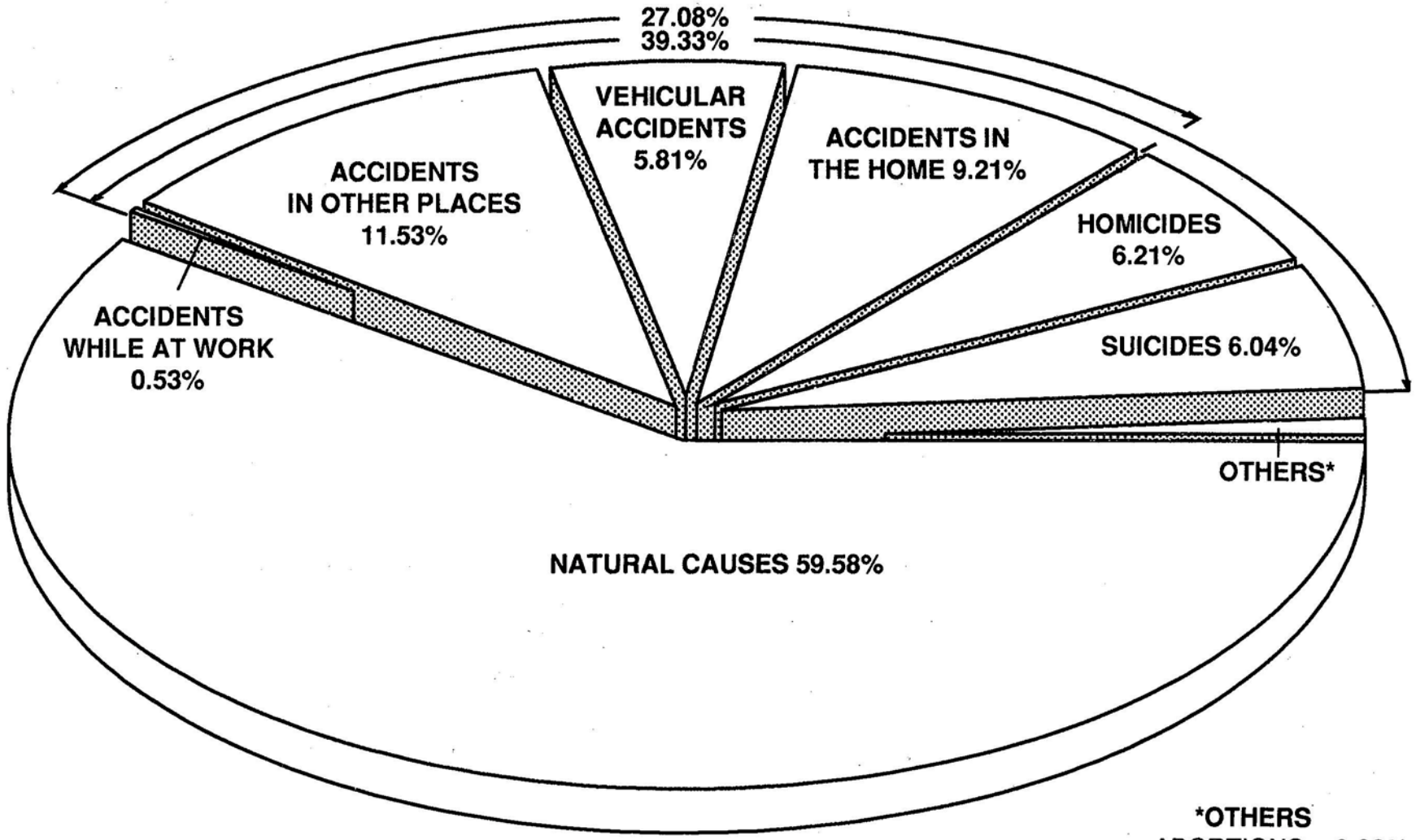
DEATHS FROM VIOLENCE: 33.23%
DEATHS FROM NATURAL CAUSES: 66.77%

***OTHERS**

ABORTIONS:	0.05%
UNDETERMINED CAUSES:	0.17%
VIOLENCE OF UNDETERMINED ORIGIN:	0.54%
NEONATAL AND INTRA-UTERINE DEATHS:	0.37%
TOTAL:	**1.13%**

TYPES OF CASES RECEIVED AT THE CUYAHOGA COUNTY CORONER'S OFFICE

3028 CASES (1989)

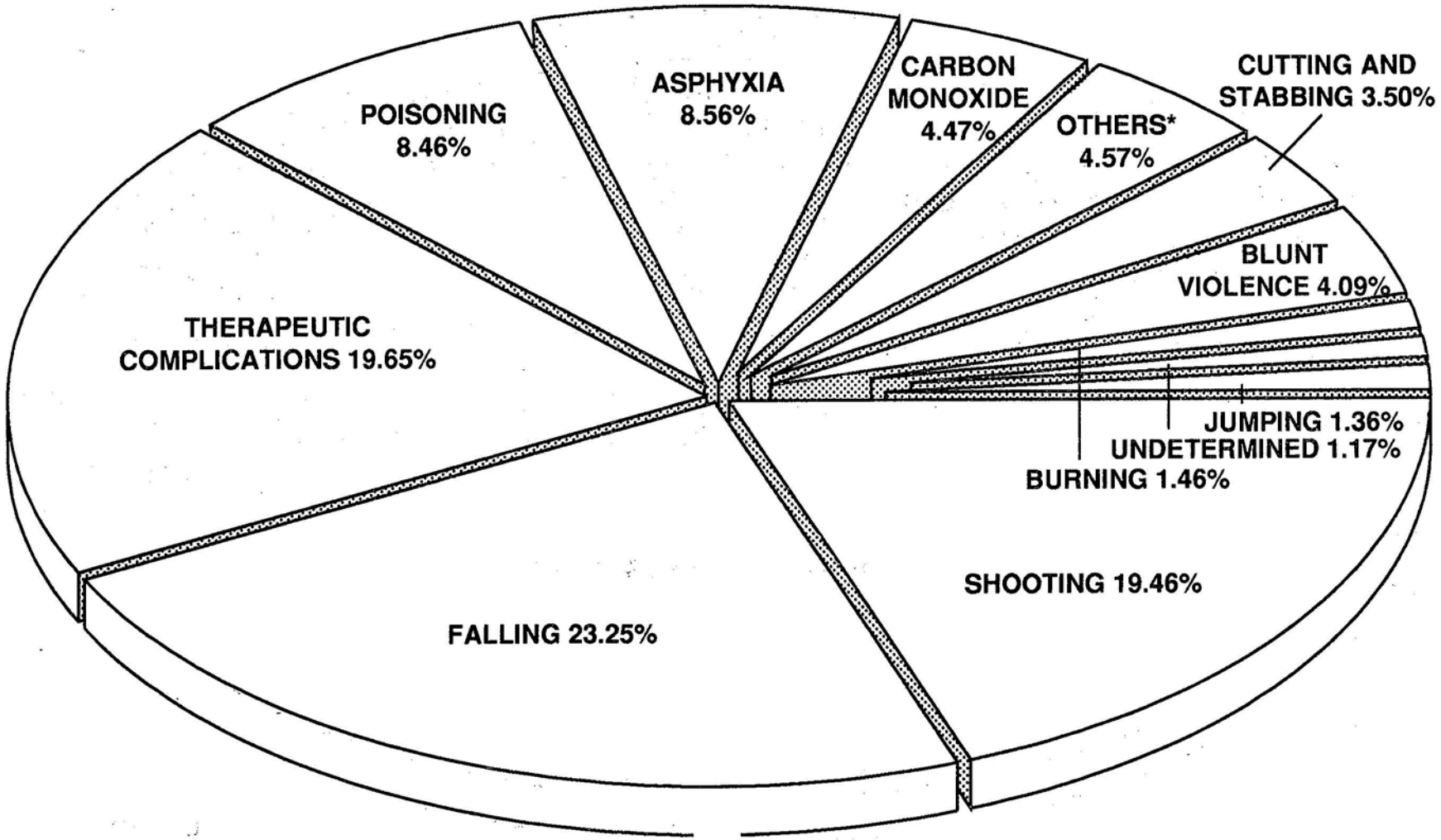


DEATHS FROM VIOLENCE: 39.76%
DEATHS FROM NATURAL CAUSES: 60.24%

***OTHERS**	
ABORTIONS:	0.00%
UNDETERMINED CAUSES:	0.26%
VIOLENCE OF UNDETERMINED ORIGIN:	0.43%
NEONATAL AND INTRA-UTERINE DEATHS:	0.40%
TOTAL:	**1.09%**

FATALITIES RESULTING FROM VIOLENCE**
MODE OF OCCURENCE 1989

1028 CASES** (1989)



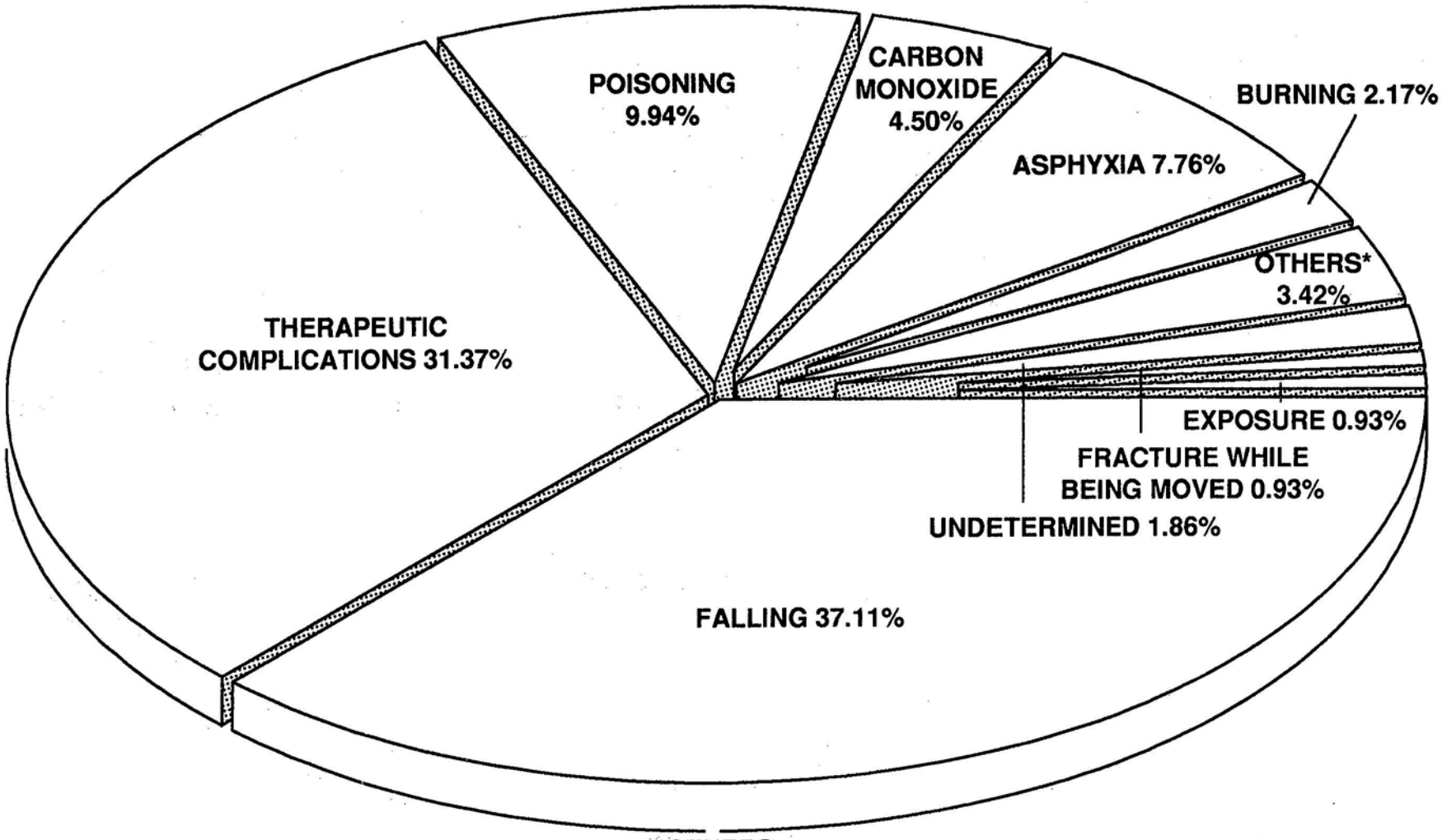
***OTHERS**

AIRPLANE ACCIDENT, CRUSHING, ELECTROCUTION, EXPLOSION, EXPOSURE, FRACTURE WHILE BEING MOVED, RUN OVER BY AUTO, STRANGULATION, STRUCK BY OBJECT, STRUCK BY TRAIN, AND OTHERS.

****EXCLUDING VEHICULAR ACCIDENTS.**

FATALITIES RESULTING FROM ACCIDENTS**
MODE OF OCCURENCE 1989

644 CASES** (1989)

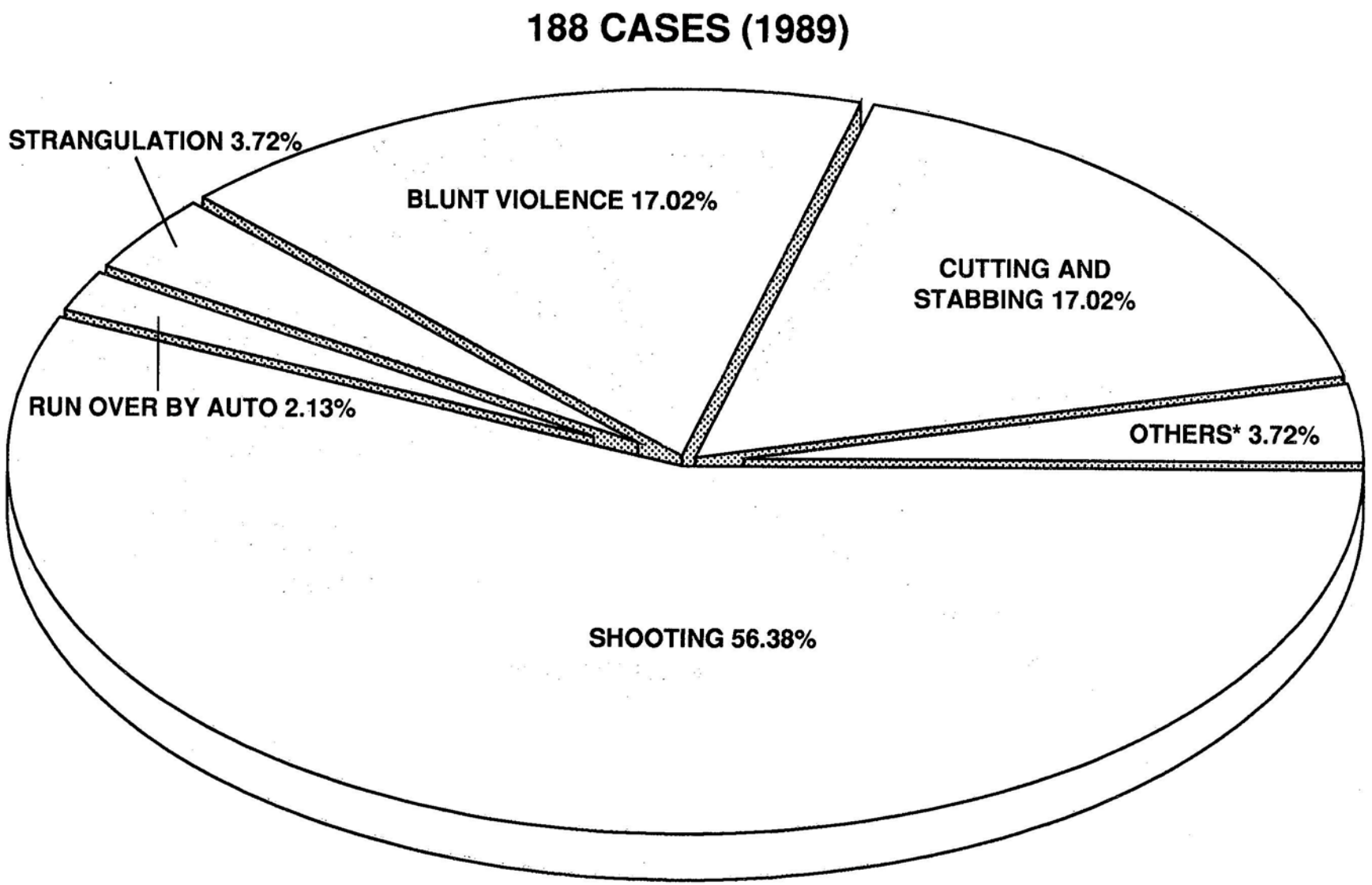


*OTHERS

AIRPLANE ACCIDENT, CORONARY EPISODE WHILE RETRIEVING FISHING POLE, CRUSHING, CUTTING AND STABBING, DROPPED AS INFANT, ELECTROCUTION, INJURED BY ROTARY OVEN, INJURED WHILE SWIMMING, JUMPING, PARACHUTE ACCIDENT, SHOOTING, STRUCK BY OBJECT, STRUCK BY TRAIN, AND STUNG BY YELLOW JACKET.

**EXCLUDING VEHICULAR ACCIDENTS.

FATALITIES RESULTING FROM HOMICIDES
MODE OF OCCURENCE 1989



***OTHERS**

CORONARY EPISODE FOLLOWING ASSAULT, EXPLOSION, DROWNING, AND THROWN FROM HEIGHT.

FATALITIES RESULTING FROM SUICIDES
MODE OF OCCURENCE 1989

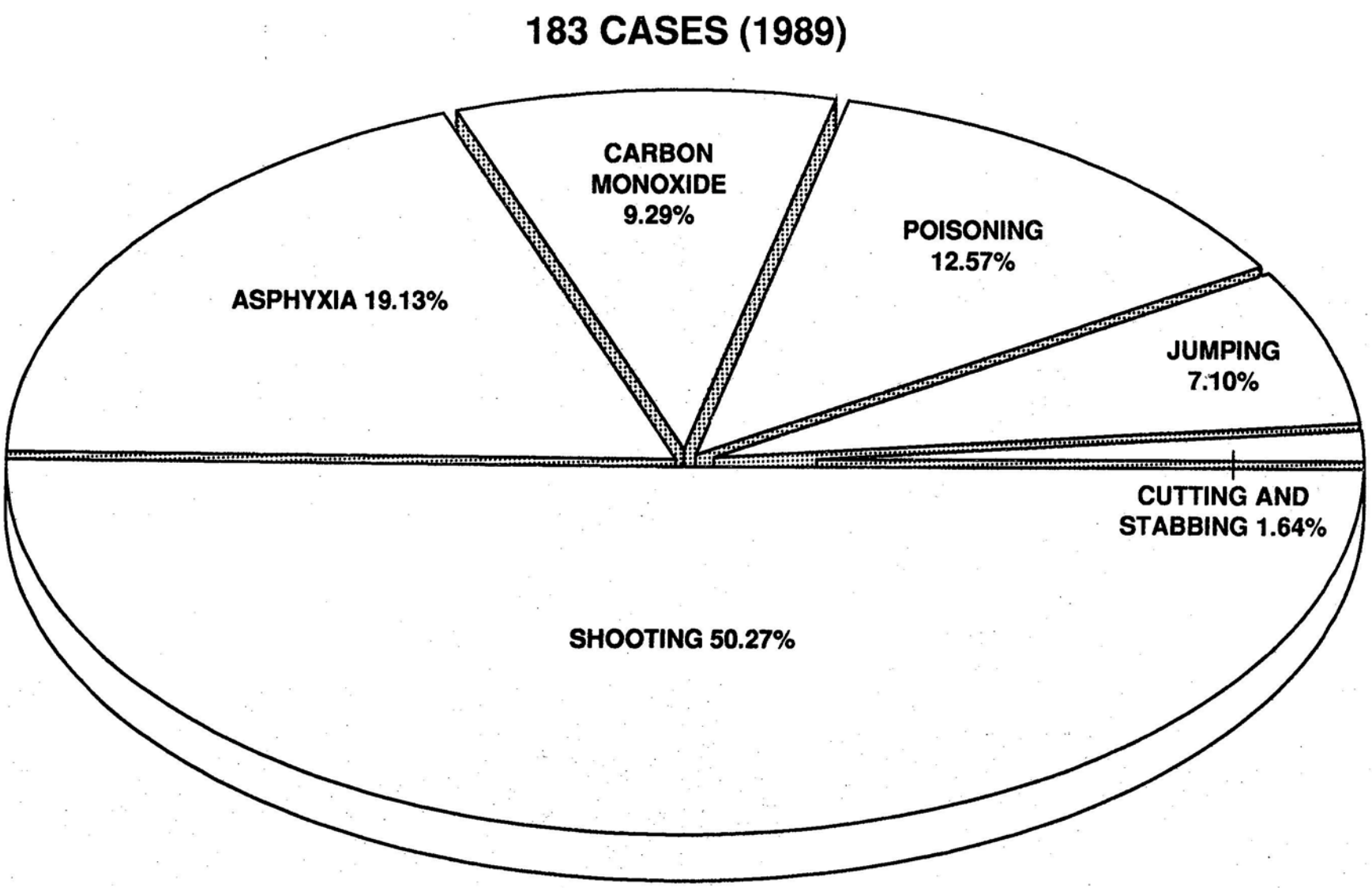


TABLE A TYPES OF FATALITIES AND MISCELLANEOUS INFORMATION / 1988 AND 1989

	1988	1989
ACCIDENTS IN THE HOME	209	279
ACCIDENTS WHILE AT WORK	25	16
VEHICULAR ACCIDENTS	177	176
ACCIDENTS IN OTHER PLACES	271	349
HOMICIDES	189	188
SUICIDES	153	183
VIOLENCE OF UNDETERMINED ORIGIN	8	13
TOTAL VIOLENT DEATHS	1032	1204
NATURAL CAUSES	1686	1804
ABORTIONS	0	0
NEONATAL AND INTRA-UTERINE DEATHS	5	12
UNDETERMINED CAUSES	14	8
CASES REPORTED - ADMITTED	2737	3028
CASES REPORTED - NOT ADMITTED	2842	2680
AUTOPSIES (HOSPITALS INCLUDED)	1499*	1601**
AUTOPSIES PERFORMED FOR OTHER COUNTIES	78	93
UNIDENTIFIED BODIES	0	2
UNIDENTIFIED FOETUSES	0	0
IDENTIFIED AND UNCLAIMED	15	28
DEATHS IN CUYAHOGA COUNTY	15,667	N.A.
PERCENTAGE OF DEATHS ADMITTED	18%	N.A.

* Includes 95 Autopsies performed at hospitals.
**Includes 104 Autopsies performed at hospitals.
N.A. - Not available at time of publication.

TYPES OF FATALITIES - SEX, RACE, AUTOPSY — TABLE B

	TOTAL	SEX		RACE		AUTOPSIED CASES*	% OF TOTAL CASES
		MALE	FEMALE	WHITE	NON-WHITE		
ACCIDENTS IN THE HOME	279	135	144	212	67	181	5.98
ACCIDENTS WHILE AT WORK	16	15	1	10	6	15	0.50
VEHICULAR ACCIDENTS	176	129	47	139	37	174	5.75
ACCIDENTS IN OTHER PLACES	349	185	164	278	71	153	5.05
HOMICIDES	188	157	31	41	147	188	6.21
SUICIDES	183	141	42	135	48	180	5.94
VIOLENCE OF UNDETERMINED ORIGIN	13	7	6	10	3	12	0.40
NATURAL CAUSES	1804	1091	713	1234	570	678	22.39
ABORTIONS	0	0	0	0	0	0	0.00
NEONATAL AND INTRA-UTERINE DEATHS	12	3	9	4	8	12	0.40
UNDETERMINED CAUSES	8	3	5	7	1	8	0.26
GRAND TOTAL	3028	1866	1162	2070	958	1601	52.87

*Includes 104 Autopsies performed at hosptials.

TABLE C TYPES OF FATALITIES - 1988 AND 1989 INCIDENCE COMPARED

	PERCENTAGE OF TOTAL CASES ADMITTED	
	1988	1989
ACCIDENTS IN THE HOME	7.64	9.21
ACCIDENTS WHILE AT WORK	0.91	0.53
VEHICULAR ACCIDENTS	6.47	5.81
ACCIDENTS IN OTHER PLACES	9.90	11.53
HOMICIDES	6.91	6.21
SUICIDES	5.59	6.04
VIOLENCE OF UNDETERMINED ORIGIN	0.29	0.43
TOTAL OF VIOLENT DEATHS	37.71	39.76
NATURAL CAUSES	61.60	59.58
ABORTIONS	0.00	0.00
NEONATAL AND INTRA-UTERINE DEATHS	0.18	0.40
UNDETERMINED CAUSES	0.51	0.26

TYPES OF FATALITIES - ALCOHOL INCIDENCE — TABLE D

	NUMBER OF CASES	NUMBER OF CASES TESTED	PERCENTAGE OF CASES TESTED	NUMBER POSITIVE OF THOSE TESTED	PERCENTAGE POSITIVE OF THOSE TESTED
ACCIDENTS IN THE HOME	279	175	62.72	38	21.71
ACCIDENTS WHILE AT WORK	16	15	93.75	0	0.00
VEHICULAR ACCIDENTS	171	148	86.55	59	39.86
ACCIDENTS IN OTHER PLACES	349	95	27.22	19	20.00
TOTAL	815	433	53.13	116	26.79
HOMICIDES	188	178	94.68	69	38.76
SUICIDES	183	173	94.54	44	25.43
VIOLENCE OF UNDETERMINED ORIGIN	13	10	76.92	4	40.00
TOTAL	1199	794	66.22	233	29.35
NATURAL CAUSES	1804	1408	78.05	129	9.16
ABORTIONS	0				
UNDETERMINED CAUSES	8	7	87.50	5	71.43

TABLE E VEHICULAR FATALITIES / DAILY ALCOHOL INCIDENCE

	MOTORCYCLIST (1)		DRIVER (2)		PASSENGER (3)		PEDESTRIAN (4)		TOTAL	
	NUMBER OF CASES		NUMBER OF CASES		NUMBER OF CASES		NUMBER OF CASES		NUMBER OF CASES	
DAY	TESTED	POSITIVE	TESTED	POSITIVE	TESTED	POSITIVE	TESTED	POSITIVE	TESTED	POSITIVE
SUNDAY	2	2	11	4	8	3	6	2	27	11
MONDAY	2	2	11	4	3	2	2		18	8
TUESDAY			8	3			7	1	15	4
WEDNESDAY	5	2	5	3	2		3		15	5
THURSDAY	2	1	8	3	2	1	4	1	16	6
FRIDAY	3		12	7	6	3	9	3	30	13
SATURDAY	3	3	10	4	8	4	6	1	27	12
TOTAL	17	10	65	28	29	13	37	8	148	59

(1) See Table 59A (2) See Table 58 and 59 (3) See Table 60 (4) See Table 61

SUMMARY CHART - CUYAHOGA COUNTY

DISTRIBUTION OF SELECTED CORONER'S CASES IN EACH MUNICIPALITY — TABLE F

CITIES	TOTAL INSIDE CASES		NATURAL CAUSES		HOME, WORK AND OTHER FATALITIES		VEHICULAR FATALITIES		HOMICIDES		SUICIDES	
	Number of Cases	Percentage of Cases	Number of Cases	Percentage of Cases	Number of Cases	Percentage of Cases	Number of Cases	Percentage of Cases	Number of Cases	Percentage of Cases	Number of Cases	Percentage of Cases
Cleveland	1616	53.37	926	57.30	355	21.97	84	5.20	152	9.41	78	4.82
Bay Village	13	0.43	8	61.54							5	38.46
Beachwood	6	0.20	2	33.33	4	66.67						
Bedford	34	1.12	26	76.47	6	17.65	1	2.94			1	2.94
Bedford Heights	12	0.40	8	66.67	2	16.67	1	8.33	1	8.33		
Berea	21	0.69	11	52.38	4	19.05	3	14.29	1	4.76	2	9.52
Brecksville	9	0.30	6	66.67	2	22.22					1	11.11
Broadview Heights	8	0.26	5	62.50	2	25.00					1	12.50
Brooklyn	13	0.43	7	53.85	2	15.38	2	15.38			1	7.69
Brook Park	11	0.36	6	54.55	4	36.66					1	9.09
Cleveland Heights	38	1.25	21	55.26	9	23.68	1	2.63	1	2.63	5	13.16
East Cleveland	135	4.46	89	65.93	21	15.56	5	3.70	12	8.89	5	3.70
Euclid	131	4.33	106	80.92	16	12.21	2	1.53	1	0.76	5	3.82
Fairfield Park	12	0.40	5	41.67	2	16.67	1	8.33			4	33.33
Garfield Heights	66	2.18	46	69.70	15	22.73	1	1.52	1	1.52	3	4.55
Highland Heights	2	0.07	1	50.00			1	50.00				
Independence	12	0.40	6	50.00			4	33.33			1	8.33
Lakewood	103	3.40	64	62.14	30	29.13	1	0.97	1	0.97	6	5.83
Lyndhurst	6	0.20	3	50.00	1	16.67					2	33.33
Maple Heights	21	0.69	7	33.33	7	33.33			3	14.29	4	19.05
Mayfield Heights	67	2.21	55	82.09	7	10.45					4	5.97
Middleburg Heights	89	2.94	77	86.52	6	6.74			1	1.12	4	4.49
North Olmsted	19	0.63	7	36.84	8	42.11	2	10.53			2	10.53
North Royalton	13	0.43	5	38.46	4	30.77	1	7.69			3	23.08
Olmsted Falls	2	0.07			2	100.00						
Parma	146	4.82	101	69.18	27	18.49	6	4.11	5	3.42	6	4.11
Parma Heights	16	0.53	12	75.00	4	25.00						
Pepper Pike	5	0.17	2	40.00	2	40.00	1	20.00				
Richmond Heights	25	0.83	22	88.00	2	8.00					1	4.00
Rocky River	24	0.79	14	58.33	6	25.00	1	4.17			3	12.50
Seven Hills	4	0.13	2	50.00			1	25.00			1	25.00
Shaker Heights	18	0.59	7	38.89	5	27.78			3	16.67	3	16.67
Solon	26	0.86	19	73.08	1	3.85	5	19.23			1	3.85
South Euclid	18	0.59	7	38.89	7	38.89	1	5.56			3	16.67
Strongsville	18	0.59	5	27.78	5	27.78	4	22.22			4	22.22
University Heights	3	0.10			3	100.00						
Warrensville Heights	70	2.31	58	82.86	7	10.00	1	1.43	2	2.86	2	2.86
Westlake	65	2.15	43	66.15	15	23.08	2	3.08	1	1.54	3	4.62

Not included in statistics are Violence of Undetermined Origin, Undetermined Causes, Out of County Deaths and Neonatal and Intra-uterine Deaths.

TABLE F (continued) DISTRIBUTION OF SELECTED CORONER'S CASES IN EACH MUNICIPALITY

VILLAGES AND TOWNSHIPS	TOTAL INSIDE CASES		NATURAL CAUSES		HOME, WORK AND OTHER FATALITIES		VEHICULAR FATALITIES		HOMICIDES		SUICIDES	
	Number of Cases	Percentage of Cases	Number of Cases	Percentage of Cases	Number of Cases	Percentage of Cases	Number of Cases	Percentage of Cases	Number of Cases	Percentage of Cases	Number of Cases	Percentage of Cases
VILLAGES:												
Bentleyville												
Bratenahl												
Brooklyn Heights												
Chagrin Falls	3	0.10	2	66.67							1	33.33
Cuyahoga Heights	3	0.10	1	33.33	2	66.67						
Gates Mills												
Glenwillow	1	0.03					1	100.00				
Hunting Valley	1	0.03	1	100.00								
Linndale												
Mayfield	1	0.03			1	100.00						
Moreland Hills	3	0.10									3	100.00
Newburg Heights												
North Randall	3	0.10	1	33.33	2	66.67						
Oakwood	3	0.10	2	66.67	1	33.33						
Orange	1	0.03	1	100.00								
Valley View	6	0.20			2	33.33	2	33.33			2	33.33
Walton Hills												
Woodmere												
TOWNSHIPS:												
Chagrin Falls												
Olmsted	9	0.30	6	66.67	2	22.22	1	11.11				
Riveredge												
Warrensville	2	0.07	1	50.00	1	50.00						
TURNPIKE IN COUNTY	1	0.03					1	100.00				

Not included in statistics are Violence of Undetermined Origin, Undetermined Causes, Out of County Deaths and Neonatal and Intra-uterine Deaths.

DEATHS IN COUNTY, DEATHS REPORTED TO CORONER / CASES RECEIVED 1943 - 1989 — TABLE G

COUNTY POPULATION 1940: 1,217,250					
	DEATHS IN COUNTY	TOTAL DEATHS REPORTED TO CORONER'S OFFICE	% OF DEATHS IN COUNTY	CASES ADMITTED TO CORONER'S OFFICE	% OF DEATHS IN COUNTY
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	22.0%	1,588	12.0%
1947:	13,946	3,120	22.4%	1,904	13.6%
1948:	13,695	3,203	23.4%	1,924	14.0%
1949:	13,837	3,849	25.2%	2,012	14.4%

COUNTY POPULATION 1950: 1,389,532					
	DEATHS IN COUNTY	TOTAL DEATHS REPORTED TO CORONER'S OFFICE	% OF DEATHS IN COUNTY	CASES ADMITTED TO CORONER'S OFFICE	% OF DEATHS IN COUNTY
1950:	13,769	3,431	24.9%	2,218	16.8%
1951:	14,156	3,496	24.7%	2,213	14.7%
1952:	14,727	3,477	23.6%	2,183	14.8%
1953:	14,696	3,646	24.5%	2,392	16.0%
1954:	14,607	3,851	26.3%	2,767	18.9%
1955:	14,751	4,085	27.8%	2,945	20.0%
1956:	15,389	4,651	30.2%	3,259	21.1%
1957:	16,063	4,634	28.8%	3,274	20.3%
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					
	DEATHS IN COUNTY	TOTAL DEATHS REPORTED TO CORONER'S OFFICE	% OF DEATHS IN COUNTY	CASES ADMITTED TO CORONER'S OFFICE	% OF DEATHS IN COUNTY
1960:	16,425	5,159	31.4%	3,513	21.4%
1961:	16,144	5,019	31.1%	3,622	22.7%
1962:	16,701	5,231	31.3%	3,883	23.3%
1963:	17,142	5,385	31.4%	4,063	23.8%
1964:	16,915	5,490	32.5%	4,037	23.9%
1965:	17,062	5,227	30.6%	4,012	23.5%
1966:	17,415	5,303	30.5%	4,136	23.7%
1967:	17,300	5,518	31.9%	4,141	23.9%
1968:	18,087	5,997	33.2%	4,455	24.6%
1969:	17,287	5,415	31.3%	4,436	25.7%

TABLE G (continued) DEATHS IN COUNTY, DEATHS REPORTED TO CORONER / CASES RECEIVED 1943 - 1989

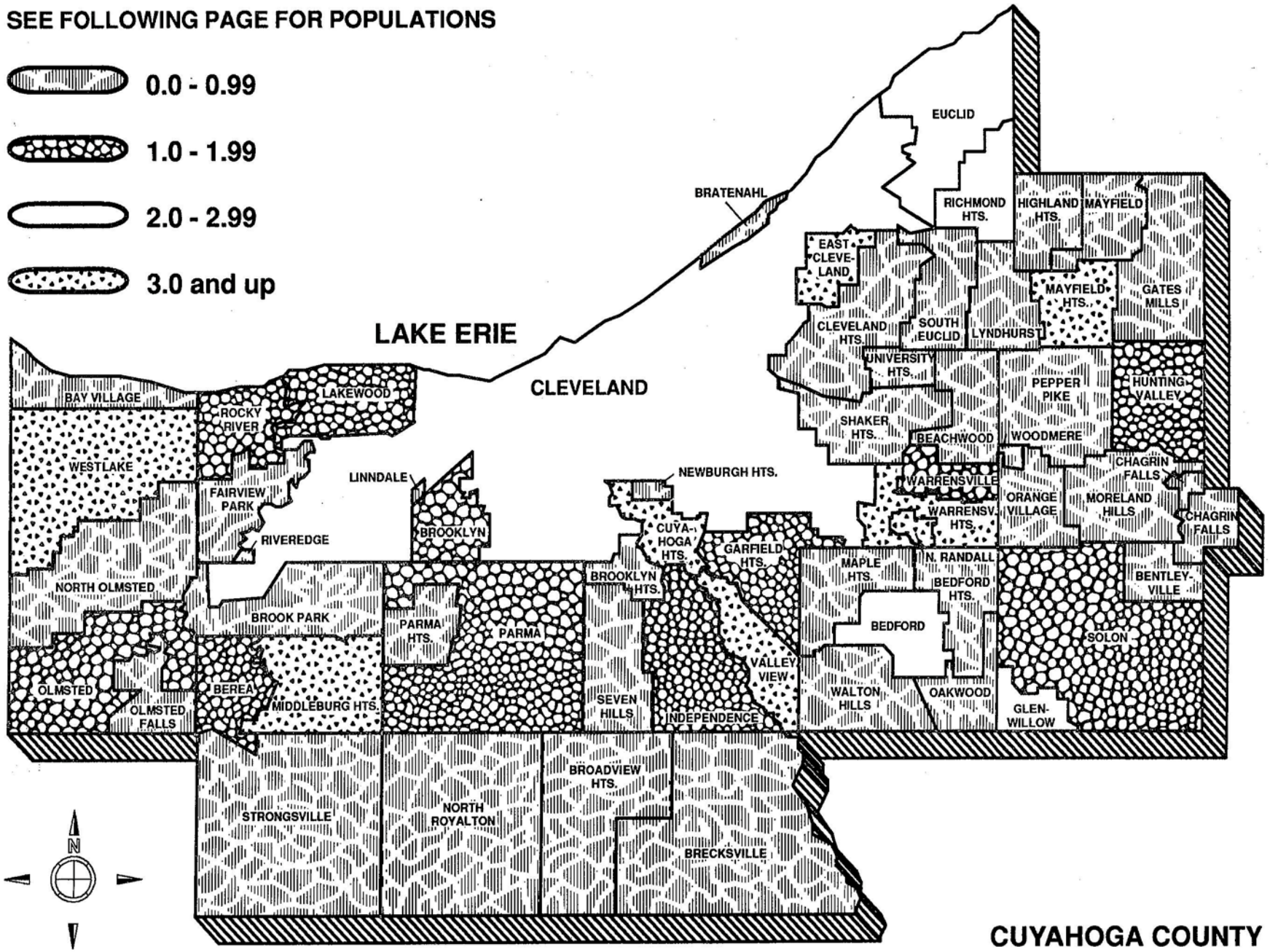
COUNTY POPULATION 1970: 1,721,300					
	DEATHS IN COUNTY	TOTAL DEATHS REPORTED TO CORONER'S OFFICE	% OF DEATHS IN COUNTY	CASES ADMITTED TO CORONER'S OFFICE	% OF DEATHS IN COUNTY
1970:	17,305	5,125	29.6%	4,314	24.9%
1971:	16,834	5,183	30.8%	4,246	25.2%
1972:	17,267	5,602	32.4%	4,384	25.4%
1973:	17,234	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	30.0%	4,185	25.9%
1978:	16,562	4,472	27.0%	3,669	22.1%
1979:	16,359	4,847	29.6%	3,782	23.1%

COUNTY POPULATION 1980: 1,498,400					
	DEATHS IN COUNTY	TOTAL DEATHS REPORTED TO CORONER'S OFFICE	% OF DEATHS IN COUNTY	CASES ADMITTED TO CORONER'S OFFICE	% 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:	N.A.	5,708	N.A.	3,028	N.A.

N.A. - Not available at time of publication.

DISTRIBUTION OF CORONER'S CASES PER 1,000 POPULATION — MAP 1

SEE FOLLOWING PAGE FOR POPULATIONS



CUYAHOGA COUNTY

TRENDS

POPULATION OF CUYAHOGA COUNTY BY CITIES, VILLAGES, AND TOWNSHIPS (1980 CENSUS)

CITIES

CLEVELAND	573,822
Bay Village	17,846
Beachwood	9,983
Bedford	15,056
Bedford Heigths	13,214
Berea	19,567
Brecksville	10,132
Broadview Heights	10,920
Brooklyn	12,342
Brook Park	26,195
Cleveland Heights	56,438
East Cleveland	36,957
Euclid	59,999
Fairview Park	19,311
Garfield Heights	34,938
Highland Heights	5,739
Independence	6,607
Lakewood	61,963
Lyndhurst	18,092
Maple Heights	29,735
Mayfield Heights	21,550
Middleburg Heights	16,218
North Olmsted	36,486
North Royalton	17,671
Olmsted Falls	5,868
Parma	92,548
Parma Heights	23,112
Pepper Pike	6,177
Richmond Heights	10,095
Rocky River	21,084
Seven Hills	13,650
Shaker Heights	32,487
Solon	14,341
South Euclid	25,713
Strongsville	28,577
University Heights	15,401
Warrensville Heights	16,565
Westlake	19,483

VILLAGES

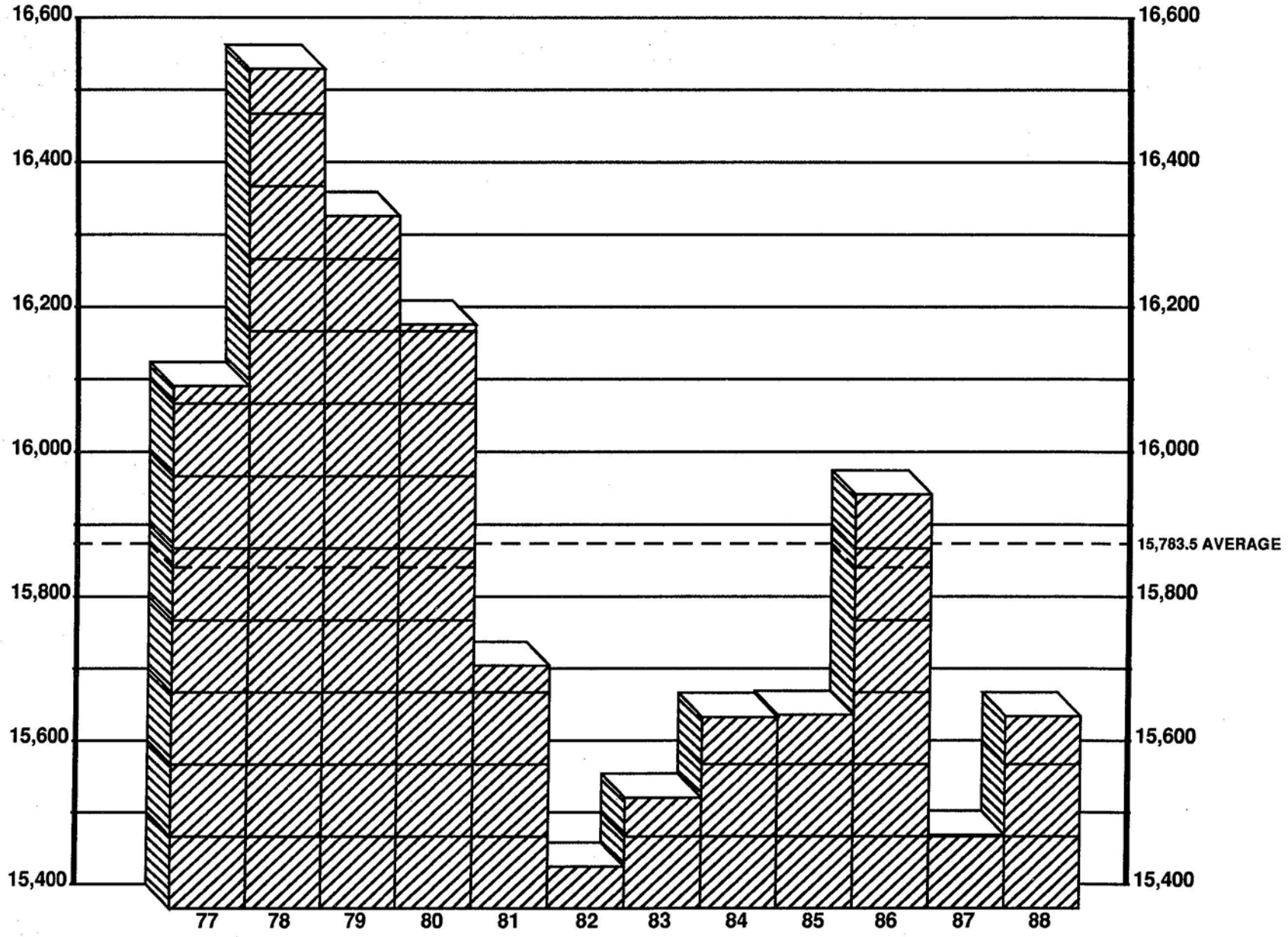
Bentleyville	381
Bratenahl	1,485
Brooklyn Heights	1,653
Chagrin Falls	4,335
Cuyahoga Heights	739
Gates Mills	2,236
Glenwillow	492
Hunting Valley	633
Linndale	129
Mayfield	3,577
Moreland Hills	3,083
Newburgh Heights	2,678
North Randall	1,054
Oakwood	3,786
Orange	2,376
Valley View	1,576
Walton Hills	2,199
Woodmere	877

TOWNSHIPS

Chagrin Falls	136
Olmsted	6,976
Riveredge	477
Warrensville	1,640

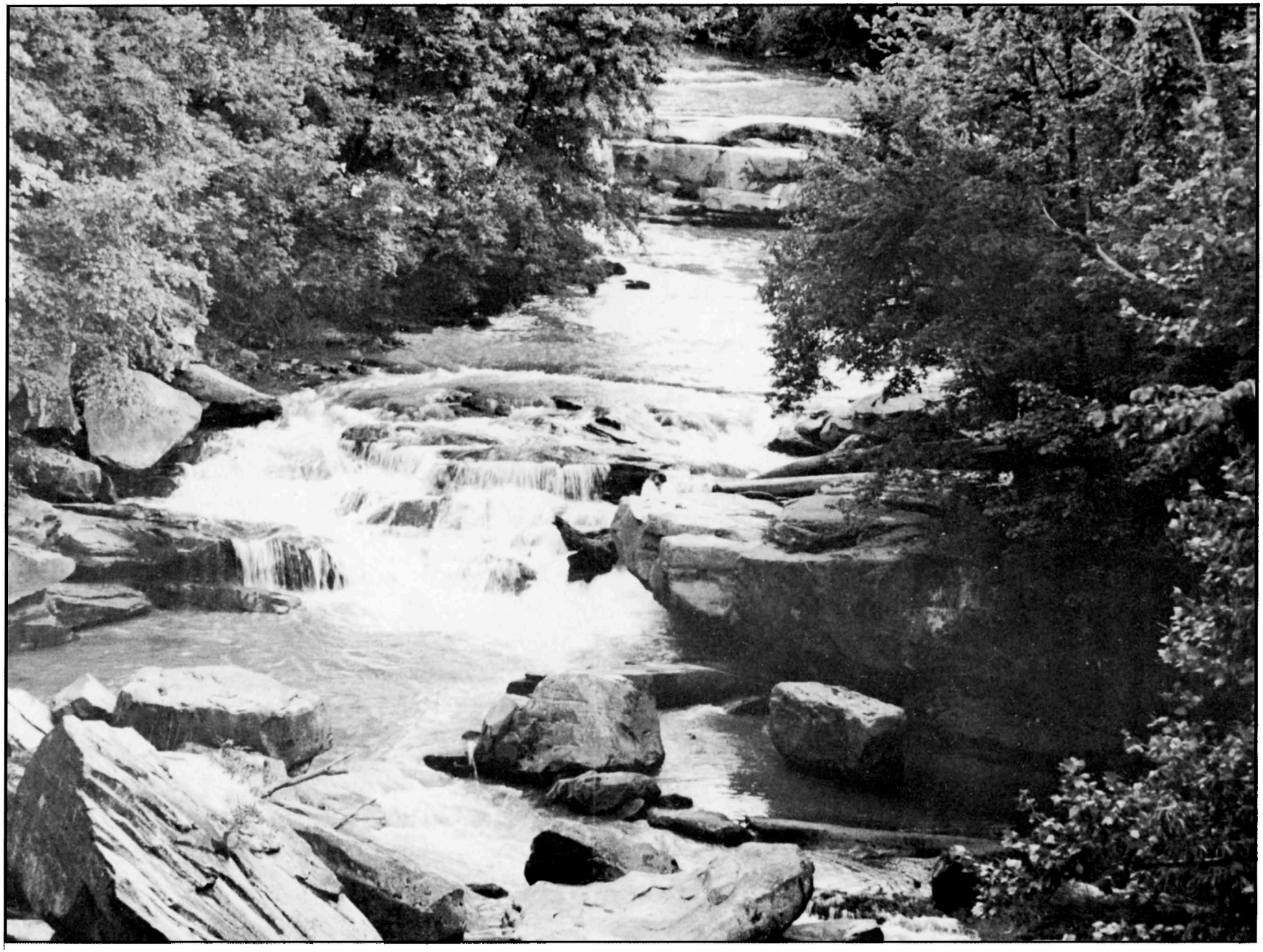
POPULATION OF CUYAHOGA COUNTY 1,498,400

TOTAL OF ALL DEATHS IN CUYAHOGA COUNTY FOR A PERIOD OF TWELVE YEARS*

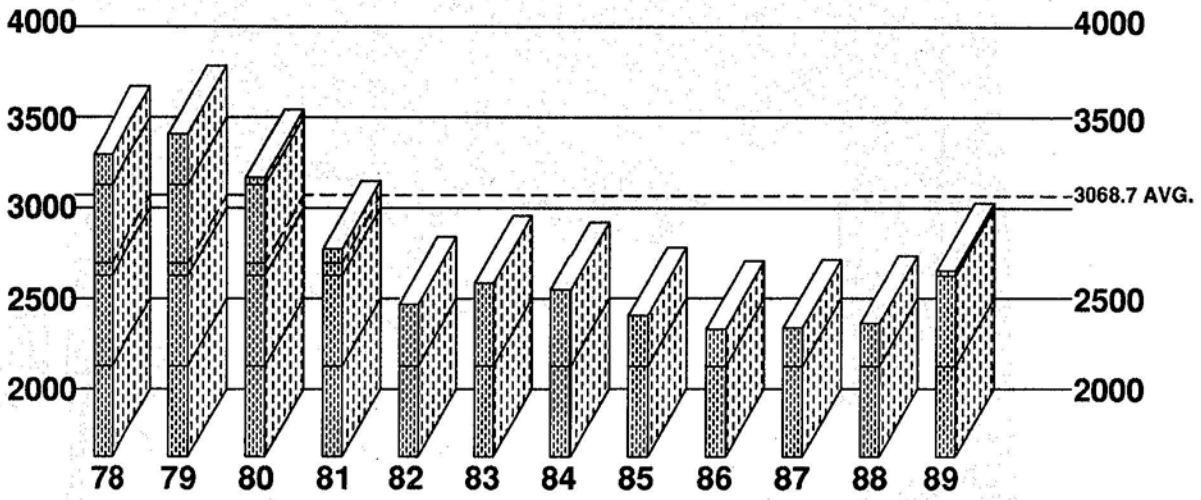


*1989 Number of deaths not available at time of publication.

BEREA FALLS (CLEVELAND METROPARKS SYSTEM)

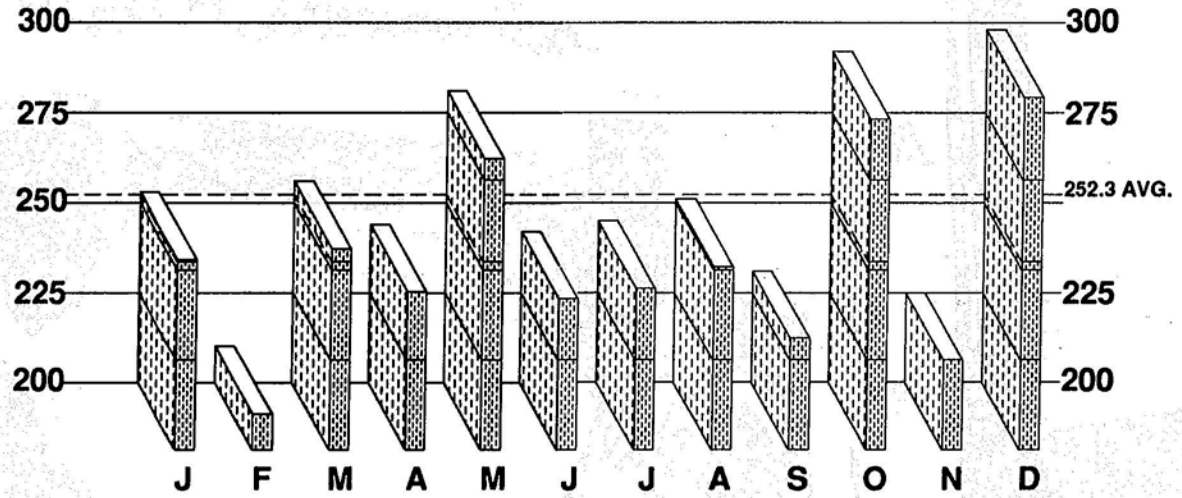


SUMMARY OF CORONER'S CASES
FOR A PERIOD OF TWELVE YEARS



1978 - 1989
TOTAL CASES
36,824

SUMMARY OF CORONER'S CASES
BY MONTH FOR THE YEAR 1989



1989
TOTAL CASES
3028

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	123	127	5	24	279
ACCIDENTS WHILE AT WORK	3	7	3	3	16
VEHICULAR ACCIDENTS*	84	48	5	39	176
ACCIDENTS IN OTHER PLACES	229	104	3	13	349
HOMICIDES	152	33		3	188
SUICIDES	78	87	6	12	183
VIOLENCE OF UNDETERMINED ORIGIN	7	6			13
TOTAL VIOLENT DEATHS	676	412	22	94	1204
NATURAL CAUSES	926	863	15		1804
NEONATAL AND INTRA-UTERINE DEATHS	9	3			12
ABORTIONS					0
UNDETERMINED CAUSES	5	3			8
TOTAL CASES REPORTED AND ADMITTED	1616	1281	37	94	3028

MISCELLANEOUS	TOTAL
CASES REPORTED - NOT ADMITTED	2680
AUTOPSIES**	1601
AUTOPSIES (performed for other counties)	93
UNIDENTIFIED BODIES	2
UNIDENTIFIED FOETUSES	0
IDENTIFIED AND UNCLAIMED BODIES	28
DEATHS IN CUYAHOGA COUNTY	N.A.

*Vehicular Accidents, Summary Tables 1, 2, 4, 6, and 8 are tabulated by date of death reflecting fatalities recieved in 1989.
**Includes 104 autopsies performed at hospitals.
REST OF COUNTY includes Turnpikes, Villages and Townships.
N.A. - Not available at time of publication.

SUMMARY OF CORONER'S CASES

TOTAL CASES BY MONTH AND TYPE OF FATALITY — TABLE 2

TYPE OF FATALITY	JAN.		FEB.		MAR.		APRIL.		MAY		JUNE		JULY		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	
ACCIDENTS IN THE HOME	15	12	8	9	9	16	12	7	14	15	8	10	9	12	9	16	10	16	17	8	5	12	19	11	135	144	279
ACCIDENTS WHILE AT WORK	2				3		1		1				2		2				2		2			1	15	1	16
VEHICULAR ACCIDENTS	10	3	8	3	7	5	6	3	9	3	10	4	16	3	8	8	13	6	20	2	13	2	9	5	129	47	176
ACCIDENTS IN OTHER PLACES	10	6	11	14	9	14	16	16	14	15	24	11	18	16	18	15	19	12	16	12	15	15	15	18	185	164	349
HOMICIDE	11		9	2	16	4	11	4	16	5	14	1	9	1	14	2	8	3	26	4	12	4	11	1	157	31	188
SUICIDE	17	2	13	3	14	5	9	6	7	4	18	6	8	4	8	3	9	1	17	4	11	2	10	2	141	42	183
VIOLENCE OF UNDETERMINED ORIGIN			2	2								1			2				1	1		2	2		7	6	13
NATURAL CAUSES	96	66	80	46	97	55	83	69	117	58	74	60	85	61	81	65	74	56	100	61	80	50	124	66	1091	713	1804
ABORTIONS																											0
NEONATAL AND INTRA-UTERINE DEATHS		2				1		1	2	1		1					1	2						1	3	9	12
UNDETERMINED CAUSES		1				1								1				1	1				2	1	3	5	8
GRAND TOTAL	161	92	131	79	155	101	138	106	180	101	148	94	147	98	142	109	134	97	200	92	138	87	192	106	1866	1162	3028

SUMMARY OF CORONER'S CASES

TABLE 3 AUTOPSIES BY MONTH AND TYPE OF FATALITY

TYPE OF FATALITY	JAN.		FEB.		MAR.		APRIL.		MAY		JUNE		JULY		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	
ACCIDENTS IN THE HOME	10	6	6	4	5	3	11	2	11	7	8	5	8	10	4	7	8	10	10	7	1	5	16	5	98	71	169
ACCIDENTS WHILE AT WORK	2				3		1		1				2		2				2		2				15		15
VEHICULAR ACCIDENTS	10	4	8	3	7	5	6	3	9	3	9	3	15	3	9	8	13	6	19	1	14	2	9	5	128	46	174
ACCIDENTS IN OTHER PLACES	2	2	5	1	2	4	2	1	6	3	6	5	10	4	5	3	6	2	8	1	7	4	4	5	63	35	98
HOMICIDE	11		8	2	17	4	11	4	16	5	14	1	9	1	14	2	7	3	25	4	14	4	11	1	157	31	188
SUICIDE	16	2	13	3	12	5	10	6	7	4	18	6	7	4	8	3	9	1	17	3	11	2	10	2	138	41	179
VIOLENCE OF UNDETERMINED ORIGIN			2	2								1			2				1	1		1	2		7	5	12
NATURAL CAUSES	41	25	24	12	36	18	29	31	44	10	28	20	38	18	28	24	31	14	30	27	31	15	46	23	406	237	643
ABORTIONS																											0
NEONATAL AND INTRA-UTERINE DEATHS		2				1		1	2	1		1					1	2							3	8	11
UNDETERMINED CAUSES		1				1								1				1	1				2	1	3	5	8
GRAND TOTAL	92	42	66	27	82	41	70	48	96	33	83	42	89	41	72	47	75	39	113	44	80	33	100	42	1018	479	1497

SUMMARY OF CORONER'S CASES

TOTAL CASES BY AGE GROUPS AND TYPE OF FATALITY — TABLE 4

TYPE OF FATALITY	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	
ACCIDENTS IN THE HOME	2	4	3	1	5		3	1	1	1	3	2	9	5	10	3	6	2	8	3	3	4	4	6	6	2	8	8	11	11	7	11	16	13	30	67	135	144	279
ACCIDENTS WHILE AT WORK									1		3		1		1		3	1					2		3				1								15	1	16
VEHICULAR ACCIDENTS			2	2	6	2	1	1	15	4	19	2	16	6	9	3	10	3	5	5	5		7	1	4	2	8	1	4	4	7	2	5	6	6	3	129	47	176
ACCIDENTS IN OTHER PLACES	5	4		2	1		2	1	5	1	8		4	4	7	3	7	2	10	4	3	5	11	1	8	4	15	12	16	24	30	24	25	12	28	61	185	164	349
HOMICIDE	4	1	3	1	2	1	2		13		21	6	23	5	26	7	27	3	10	3	6		7		4		2		3	2	2	1	1		1	1	157	31	188
SUICIDE									3	1	20	4	21	4	13		12	3	15	4	8	8	6	2	8	2	9	3	8	2	7	5	4	3	7	1	141	42	183
VIOLENCE OF UNDETERMINED ORIGIN													1	2					1		1		2	1	1						1			1		2	7	6	13
NATURAL CAUSES	31	17	7	2	3		2	2	2	2	4	4	11	5	17	10	31	18	45	22	60	31	81	39	101	37	154	69	167	61	136	116	126	102	131	176	1091	713	1804
ABORTIONS																																							0
NEONATAL AND INTRA-UTERINE DEATHS	3	9																																			3	9	12
UNDETERMINED CAUSES											2			1	1	1										1		2									3	5	8
GRAND TOTAL	45	35	15	8	17	3	10	5	40	9	80	18	86	32	84	27	96	32	94	41	88	48	120	50	135	48	196	95	210	104	190	159	177	137	185	311	1866	1162	3028

TABLE 5 AUTOPSIES BY AGE GROUPS AND TYPE OF FATALITY

TYPE OF FATALITY	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	
ACCIDENTS IN THE HOME	1	3	3	1	5		3	1	1	1	3	2	8	5	10	3	6	2	8	2	2	4	4	6	6	2	6	7	8	8	4	5	9	2	11	17	98	71	169
ACCIDENTS WHILE AT WORK									1		3		1		1		3						2		3				1								15		15
VEHICULAR ACCIDENTS			2	2	6	2	1	1	15	3	19	2	16	6	9	2	10	3	4	5	5		7	1	4	2	8	1	4	4	7	2	5	6	6	4	128	46	174
ACCIDENTS IN OTHER PLACES	2	1		1	1		2	1	3		7		4	3	7	2	6	1	8	4		2	7		3	1	1	3	1	2	3	5	2	2	6	7	63	35	98
HOMICIDE	4	1	3	1	2	1	2		13		21	6	23	5	26	7	27	3	10	3	6		7		4		2		3	2	2	1	1		1	1	157	31	188
SUICIDE									3	1	20	4	21	4	13		11	3	15	4	8	8	6	2	8	2	8	3	8	2	7	5	4	2	6	1	138	41	179
VIOLENCE OF UNDETERMINED ORIGIN													1	2					1		1		2	1	1						1			1		1	7	5	12
NATURAL CAUSES	29	17	5	2	3		2	2	2	1	4	3	11	3	12	8	27	16	37	18	48	25	42	21	32	13	33	20	48	12	26	23	22	26	23	27	406	237	643
ABORTIONS																																							0
NEONATAL AND INTRA-UTERINE DEATHS	3	8																																			3	8	11
UNDETERMINED CAUSES											2			1	1	1										1		2									3	5	8
GRAND TOTAL	39	30	13	7	17	3	10	5	38	6	79	17	85	29	79	23	90	28	83	36	70	39	77	31	61	21	58	36	73	30	50	41	43	39	53	58	1018	479	1497

SUMMARY OF CORONER'S CASES

GEOGRAPHICAL LOCATION - ALL FATALITIES SUMMARY — TABLE 6

CITIES	VIOLENT DEATHS															GRAND TOTAL
	ACCIDENTS					OTHER VIOLENCE										
	IN THE HOME	WHILE AT WORK	VEHICULAR	IN OTHER PLACES	TOTAL ACCIDENTS	HOMICIDE	SUICIDE	UNDETERMINED ORIGIN	TOTAL OTHER VIOLENCE	TOTAL ALL VIOLENCE	NATURAL CAUSES	ABORTIONS	INTRA-UTERINE AND NEONATAL	UNDETERMINED CAUSES	TOTAL	
Cleveland	123	3	84	229	439	152	78	7	237	676	926		9	5	940	1616
Bay Village							5		5	5	8				8	13
Beachwood	2			2	4					4	2				2	6
Bedford	3		1	3	7		1		1	8	26				26	34
Bedford Heights	1	1	1		3	1			1	4	8				8	12
Berea	1		3	3	7	1	2		3	10	11				11	21
Brecksville	1	1			2		1		1	3	6				6	9
Broadview Heights		2			2		1		1	3	5				5	8
Brooklyn	2		2		4		1		1	5	7			1	8	13
Brook Park	2			2	4		1		1	5	6				6	11
Cleveland Heights	5		1	4	10	1	5	1	7	17	21				21	38
East Cleveland	5		5	16	26	12	5	1	18	44	89		1	1	91	135
Euclid	11		2	5	18	1	5		6	24	106			1	170	131
Fairview Park	2		1		3		4		4	7	5				5	12
Garfield Heights	11		1	4	16	1	3		4	20	46				46	66
Highland Heights			1		1					1	1				1	2
Independence			4		4		1	1	2	6	6				6	12
Lakewood	13		1	17	31	1	6	1	8	39	64				64	103
Lyndhurst	1				1		2		2	3	3				3	6
Maple Heights	5			2	7	3	4		7	14	7				7	21
Mayfield Heights	4			3	7		4		4	11	55		1		56	67
Middleburg Heights	1	1		4	6	1	4	1	6	12	77				77	89
North Olmsted	3		2	5	10		2		2	12	7				7	19
North Royalton	1	1	1	2	5		3		3	8	5				5	13
Olmsted Falls	1	1			2					2						2
Parma	15		6	12	33	5	6		11	44	101		1		102	146
Parma Heights	2			2	4					4	12				12	16
Pepper Pike	2		1		3					3	2				2	5
Richmond Heights				2	2		1		1	3	22				22	25
Rocky River	6		1		7		3		3	10	14				14	24
Seven Hills			1		1		1		1	2	2				2	4
Shaker Heights	5				5	3	3		6	11	7				7	18
Solon			5	1	6		1		1	7	19				19	26
South Euclid	6		1	1	8		3		3	11	7				7	18
Strongsville	5		4		9		4		4	13	5				5	18
University Heights	2			1	3					3						3
Warrensville Heights	2		1	5	8	2	2		4	12	58				58	70
Westlake	7		2	8	17	1	3	1	5	22	43				43	65
GRAND TOTAL	250	10	132	333	725	185	165	13	363	1088	1789	0	12	8	1809	2897

TABLE 7 GEOGRAPHICAL LOCATION - ALL FATALITIES SUMMARY

VILLAGES AND TOWNSHIPS	VIOLENT DEATHS															GRAND TOTAL
	ACCIDENTS					OTHER VIOLENCE										
	IN THE HOME	WHILE AT WORK	VEHICULAR	IN OTHER PLACES	TOTAL ACCIDENTS	HOMICIDE	SUICIDE	UNDETERMINED ORIGIN	TOTAL OTHER VIOLENCE	TOTAL ALL VIOLENCE	NATURAL CAUSES	ABORTIONS	INTRA-UTERINE AND NEONATAL	UNDETERMINED CAUSES	TOTAL	
VILLAGES:																
Bentleyville																0
Bratenahl																0
Brooklyn Heights																0
Chagrin Falls							1		1	1	2				2	3
Cuyahoga Heights		2			2					2	1				1	3
Gates Mills																0
Glenwillow			1		1					1						1
Hunting Valley											1				1	1
Linndale																0
Mayfield	1				1						1					1
Moreland Hills							3		3	3						3
Newburgh Heights																0
North Randall	1			1	2					2	1				1	3
Oakwood				1	1					1	2				2	3
Orange											1				1	1
Valley View	1	1	2		4		2		2	6						6
Walton Hills																0
Woodmere																0
TOTAL VILLAGES	3	3	3	2	11	0	6	0	6	17	8	0	0	0	8	25
TOWNSHIPS:																
Chagrin Falls																0
Olmsted	2		1		3					3	6				6	9
Riveredge																0
Warrensville				1	1					1	1				1	2
TOTAL TOWNSHIPS	2	0	1	1	4	0	0	0	0	4	7	0	0	0	7	11

SUMMARY OF CORONER'S CASES

GEOGRAPHICAL LOCATION - ALL FATALITIES SUMMARY — TABLE 7A

TOTALS	VIOLENT DEATHS															GRAND TOTAL
	ACCIDENTS					OTHER VIOLENCE										
	IN THE HOME	WHILE AT WORK	VEHICULAR	IN OTHER PLACES	TOTAL ACCIDENTS	HOMICIDE	SUICIDE	UNDETERMINED ORIGIN	TOTAL OTHER VIOLENCE	TOTAL ALL VIOLENCE	NATURAL CAUSES	ABORTIONS	INTRA-UTERINE AND NEONATAL	UNDETERMINED CAUSES	TOTAL	
CITIES	250	10	132	333	725	185	165	13	363	1088	1789		12	8	1809	2897
VILLAGES	3	3	3	2	11	1	6		6	17	8				8	25
TOWNSHIPS	2		1	1	4					4	7				7	11
OUT OF COUNTY	24	3	39	13	79	3	12		15	94						94
TURNPIKE			1		1					1						1
GRAND TOTAL	279	16	176	349	820	188	183	13	384	1204	1804	0	12	8	1824	3028

SUMMARY OF CORONER'S CASES

TABLE 8 ACCIDENTAL FATALITIES BY MONTH

MONTH	HOME ACCIDENTS						WORK ACCIDENTS						VEHICULAR ACCIDENTS							OTHER ACCIDENTS						TOTALS						GRAND TOTAL
	CLEVELAND	OTHER CITIES	VILLAGES	TOWNSHIPS	OUT OF COUNTY	TOTAL	CLEVELAND	OTHER CITIES	VILLAGES	TOWNSHIPS	OUT OF COUNTY	TOTAL	CLEVELAND	OTHER CITIES	VILLAGES	TOWNSHIPS	TURNPIKE	OUT OF COUNTY	TOTAL	CLEVELAND	OTHER CITIES	VILLAGES	TOWNSHIPS	OUT OF COUNTY	TOTAL	CLEVELAND	OTHER CITIES	VILLAGES	TOWNSHIPS	TURNPIKE	OUT OF COUNTY	
JANUARY	9	17			1	27	1		1			2	7	3		1		2	13	10	5			1	16	27	25	1	1		4	58
FEBRUARY	11	4			2	17						0	8	2				1	11	23	2				25	42	8				3	53
MARCH	8	16			1	25		1			2	3	7	4				1	12	13	10				23	28	31				4	63
APRIL	8	9			2	19		1				1	4	3				2	9	20	11		1		32	32	24		1		4	61
MAY	16	10	1		2	29		1				1	7	2				3	12	14	11	2		2	29	37	24	3			7	71
JUNE	9	7			2	18						0	2	5	2			5	14	22	12			1	35	33	24	2			8	67
JULY	12	6			3	21			2			2	8	4				7	19	24	8			2	34	44	18	2			12	76
AUGUST	8	16			1	25		2				2	6	4				6	16	24	6			3	33	38	28				10	76
SEPTEMBER	11	13			2	26						0	10	5				4	19	22	9				31	43	27				6	76
OCTOBER	6	8	1	2	6	25		2				2	13	6				3	22	16	9			3	28	37	25	1	2		12	77
NOVEMBER	7	8			2	17	1				1	2	3	6			1	5	15	21	9				30	32	23			1	8	64
DECEMBER	16	13	1			30	1					1	9	4	1				14	20	12			1	33	46	29	2			1	78
TOTAL	123	127	3	2	24	279	3	7	3	0	3	16	84	48	3	1	1	39	176	229	104	2	1	13	349	439	286	11	4	1	79	820

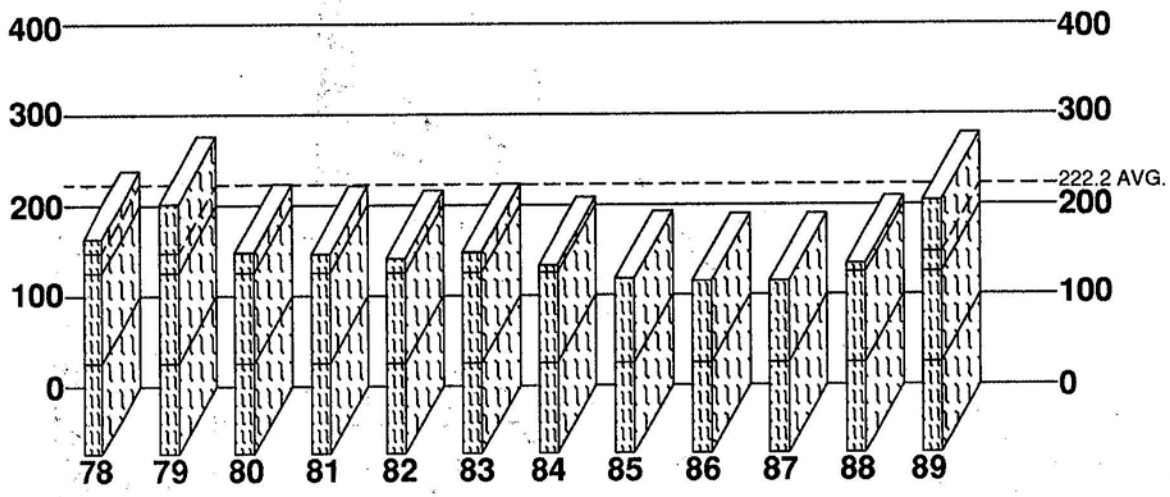
SUMMARY OF CORONER'S CASES

HOMICIDES, SUICIDES, VIOLENCE OF UNDETERMINED ORIGIN / FATALITIES BY MONTH TABLE 9

MONTH	HOMICIDES						SUICIDES						VIOLENCE OF UNDETERMINED ORIGIN						TOTAL					GRAND TOTAL
	CLEVELAND	OTHER CITIES	VILLAGES	TOWNSHIPS	OUT OF COUNTY	TOTAL	CLEVELAND	OTHER CITIES	VILLAGES	TOWNSHIPS	OUT OF COUNTY	TOTAL	CLEVELAND	OTHER CITIES	VILLAGES	TOWNSHIPS	OUT OF COUNTY	TOTAL	CLEVELAND	OTHER CITIES	VILLAGES	TOWNSHIPS	OUT OF COUNTY	
JANUARY	7	3			1	11	7	10	1		1	19							14	13		1	2	30
FEBRUARY	9	2				11	8	8				16	3	1				4	20	11				31
MARCH	18	2				20	5	12			2	19							23	14			2	39
APRIL	13	2				15	11	3			1	15							24	5			1	30
MAY	19	2				21	3	8				11							22	10				32
JUNE	13	2				15	12	11	1			24	1					1	26	13		1		40
JULY	6	4				10	5	6	1			12							11	10		1		22
AUGUST	12	3			1	16	4	6	1			11	1	1				2	17	10		1	1	29
SEPTEMBER	6	5				11	5	4			1	10							11	9			1	21
OCTOBER	25	4			1	30	8	11	1		1	21		2				2	33	17		1	2	53
NOVEMBER	14	2				16	7	2			4	13		2				2	21	6			4	31
DECEMBER	10	2				12	3	6	1		2	12	2					2	15	8		1	2	26
TOTAL	152	33			3	188	78	87	6		12	183	7	6				13	237	126		6	15	384

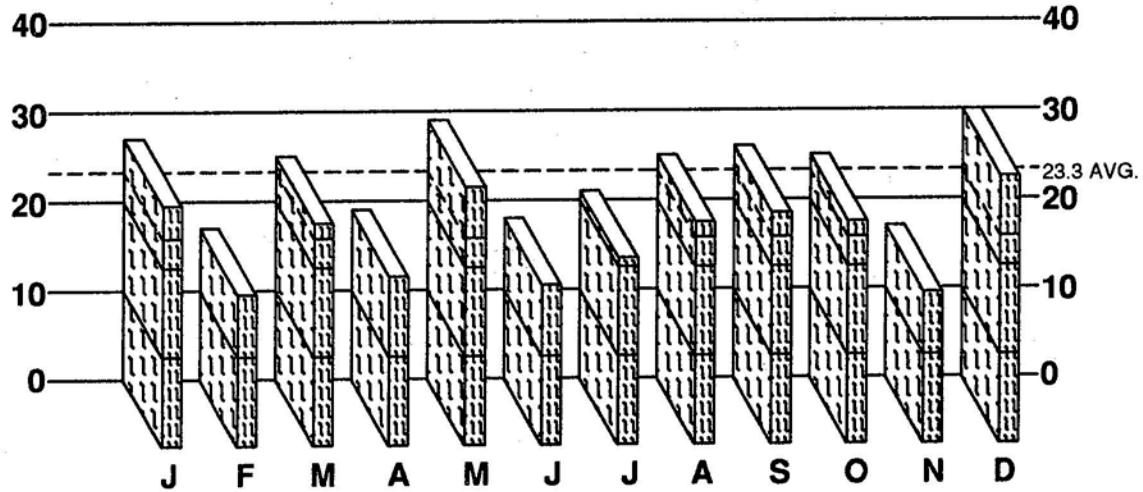
CLEVELAND LAKEFRONT STATE PARK

ACCIDENTS IN THE HOME
FOR A PERIOD OF TWELVE YEARS



		NUMBER	PERCENT
SEX	MALE	135	48
	FEMALE	144	52
RACE	WHITE	212	76
	NON-WHITE	67	24
ALCOHOL	TESTED	175	63
	POSITIVE	38	23
AUTOPSY	AUTOPSIED	169	61

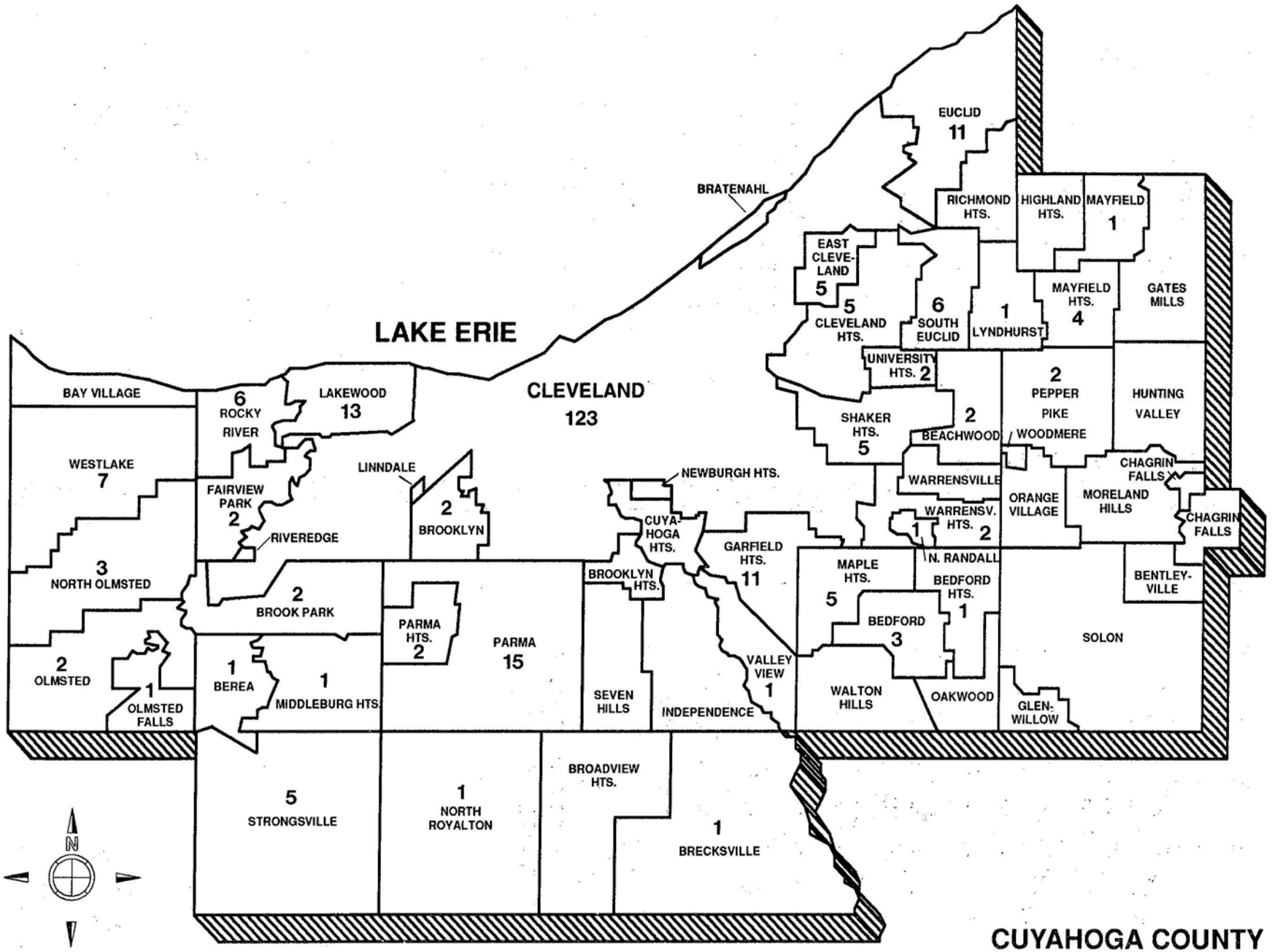
ACCIDENTS IN THE HOME
BY MONTH FOR THE YEAR 1989



1989
TOTAL CASES
279

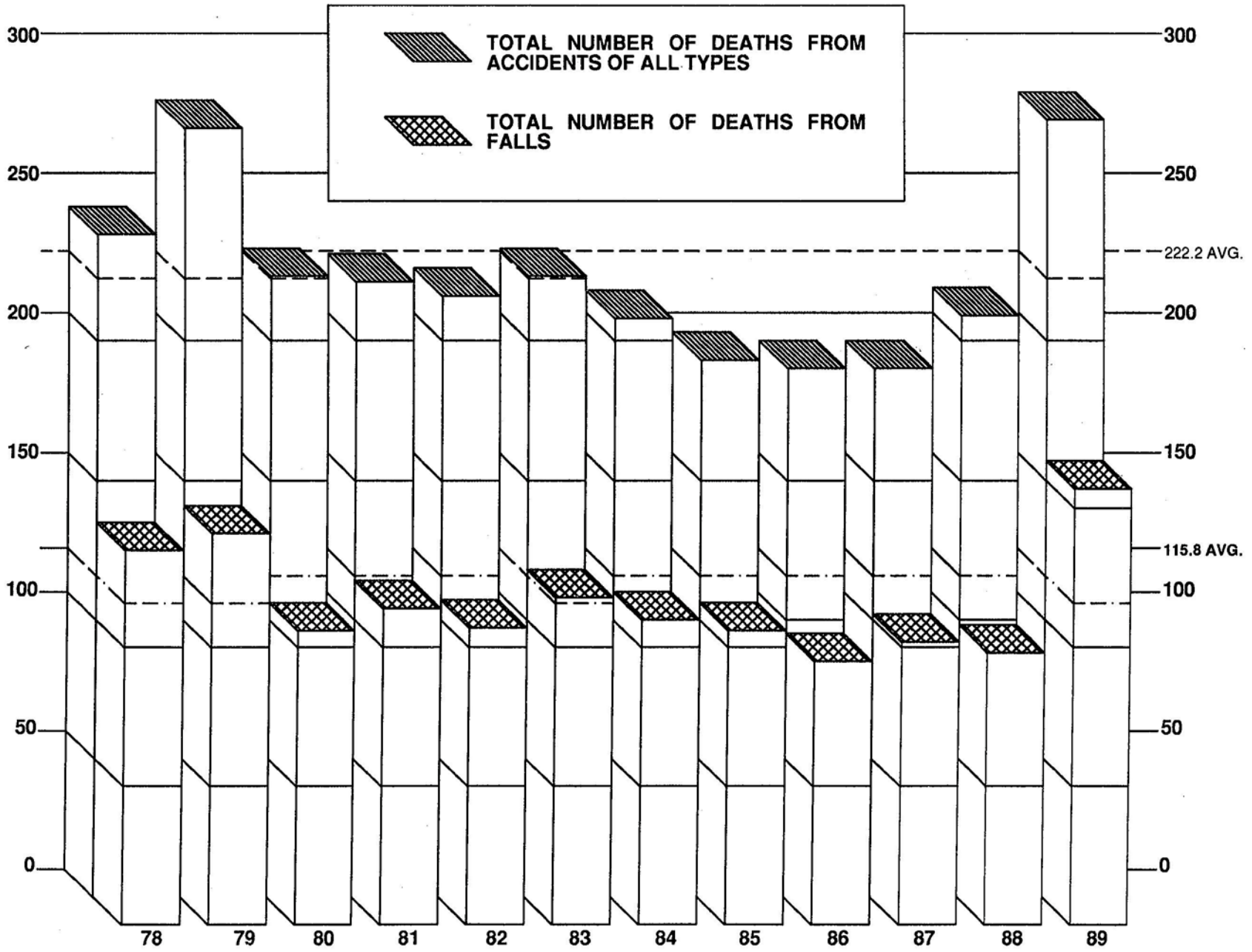
FATALITIES RESULTING FROM ACCIDENTS IN THE HOME

MAP 2 — **DISTRIBUTION OF FATALITIES FROM ACCIDENTS IN THE HOME**



FATALITIES RESULTING FROM ACCIDENTS IN THE HOME

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



FATALITIES RESULTING FROM ACCIDENTS IN THE HOME

TABLE 10 — MONTHLY ALCOHOL INCIDENCE

										NOT TESTED								TESTED						STAGES													
		Total		Cleve.		County		Out of County		Total		Surv'd Too Long		Under Age		Other		Total		Neg.		Pos.		0.01% 0.04%		0.05% 0.09%		0.10% 0.14%		0.15% 0.19%		0.20% 0.24%		0.25% 0.29%		0.30% or over	
MONTH	TOTAL	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
JANUARY	27	15	12	5	4	9	8	1		5	5	5	4				1	10	7	7	2	3	5		1	1	1		1			1	1		1	1	
FEBRUARY	17	8	9	6	5	1	3	1	1	1	5		3			1	2	7	4	3	4	4		1		1				1				1			
MARCH	25	9	16	3	5	6	10		1	4	12	3	9			1	3	5	4	3	3	2	1					1					1			1	
APRIL	19	12	7	5	3	6	3	1	1	1	5		2			1	3	11	2	6	1	5	1	2				1	1	1		1					
MAY	29	14	15	10	6	4	7		2	2	7		4			2	3	12	8	12	7		1		1											
JUNE	18	8	10	3	6	4	3	1	1	1	5	1	4				1	7	5	5	4	2	1						1	2						
JULY	21	9	12	4	8	4	2	1	2	1	2	1	2					8	10	7	10	1				1											
AUGUST	25	9	16	4	4	4	12	1		5	9	5	6				3	4	7	4	7																
SEPTEMBER	26	10	16	4	7	5	8	1	1	1	4	1	4					9	12	9	10		2										1		1		
OCTOBER	25	17	8	7	1	7	4	3	3	6	2	3	2	1		2		11	6	7	5	4	1	3	1					1							
NOVEMBER	17	5	12	3	4	2	6		2	4	7	2	7			2		1	5	1	5																
DECEMBER	30	19	11	11	5	8	6			6	4	5	4			1		13	7	9	6	4	1	2					1	1						1	
TOTAL	279	135	144	65	58	60	72	10	14	37	67	26	51	1		10	16	98	77	73	64	25	13	8	3	3	1	2	4	6		2	3	1	2	3	

FATALITIES RESULTING FROM ACCIDENTS IN THE HOME

AGE - RACE - ALCOHOL INCIDENCE — TABLE 11

					NOT TESTED								TESTED						STAGES											
			Total		Total		Surv'd Too Long		Under Age		Other		Total		Neg.		Pos.		0.01% 0.04%		0.05% 0.09%		0.10% 0.14%		0.15% 0.19%		0.20% 0.24%		0.25% 0.29%		0.30% or Over	
AGE	RACE	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
Under 1 Year	White																															
	Non-White	6	2	4	1	1		1	1				1	3	1	3																
1 - 4	White	2	1	1									1	1	1	1																
	Non-White	2	2										2		2																	
5 - 9	White	2	2										2		2																	
	Non-White	3	3										3		3																	
10 - 14	White	4	3	1									3	1	3			1		1												
	Non-White																															
15 - 19	White	2	1	1									1	1	1	1																
	Non-White																															
20 - 24	White	4	3	1	1		1						2	1	1	1	1										1					
	Non-White	1		1										1		1																
25 - 29	White	10	5	5	1		1						4	5	2	4	2	1		1	1				1							
	Non-White	4	4										4		2		2						1		1							
30 - 34	White	6	5	1									5	1	4	1	1				1											
	Non-White	7	5	2	1		1						4	2	3	1	1	1						1							1	
35 - 39	White	3	3										3				3		1						2							
	Non-White	5	3	2									3	2	3	1		1						1								
40 - 44	White	9	7	2		1		1					7	1	4	1	3		1						2							
	Non-White	2	1	1									1	1		1	1						1									
45 - 49	White	4	2	2									2	2		2	2		1		1											
	Non-White	3	1	2									1	2		1	1	1	1					1								
50 - 54	White	5	1	4									1	4	1	2		2										1		1		
	Non-White	5	3	2									3	2	3	2																
55 - 59	White	6	4	2									4	2	2	2	2		1												1	
	Non-White	2	2										2				2		1										1			
60 - 64	White	11	6	5	1	1					1	1	5	4	4	2	1	2				1					1	1				
	Non-White	5	2	3	1	1	1	1					1	2		1	1	1	1	1												
65 - 69	White	17	9	8	4	2	4	1				1	5	6	4	5	1	1	1											1		
	Non-White	5	2	3	1		1						1	3	1	2		1										1				
70 - 74	White	14	6	8	3	5	1	5			2		3	3	2	3	1														1	
	Non-White	4	1	3		1		1					1	2	1	2																
75 - 79	White	24	12	12	4	9	1	7			3	2	8	3	8	3																
	Non-White	5	4	1	2	1	2					1	2		2																	
80 - over	White	89	28	61	17	42	13	31			4	11	11	19	11	18		1						1								
	Non-White	8	2	6		3		3					2	3	2	3																
TOTAL	White	212	98	114	31	60	21	45			10	15	67	54	50	46	17	8	5	2	3	1		1	5		2	2		2	2	
	Non-White	67	37	30	6	7	5	6	1			1	31	23	23	18	8	5	3	1			2	3	1			1	1		1	
GRAND TOTAL		279	135	144	37	67	26	51	1		10	16	98	77	73	64	25	13	8	3	3	1	2	4	6		2	3	1	2	3	

FATALITIES RESULTING FROM ACCIDENTS IN THE HOME

TABLE 12 — MODE - ALCOHOL INCIDENCE

		NOT TESTED														TESTED						STAGES											
		Total		Cleve.		County		Out of County		Total		Surv'd Too Long		Under Age		Other		Total		Neg.		Pos.		0.01% 0.04%		0.05% 0.09%		0.10% 0.14%		0.15% 0.19%		0.20% 0.24%		0.25% 0.29%		0.30% or over	
MODE	TOTAL	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
ASPHYXIA	23	15	8	9	7	4	1	2		1				1				14	8	13	8	1				1									
BURNING	12	8	4	8	2		2			3	1	3	1					5	3	5			3		1		1		1						
CARBON MONOXIDE	28	14	14	9	8	5	5		1		1		1					14	13	10	10	4	3	1	1			1		2			1		1		
CUTTING AND STABBING	1	1				1												1		1																
EXPOSURE	4	2	2	2	2													2	2	1	1	1	1		1								1				
FALLING	157	66	91	19	30	40	49	7	12	32	58	22	43			10	15	34	33	28	30	6	3	2		1			2			1	1			2	
POISONING	42	25	17	16	5	9	11		1		2		2					25	15	15	12	10	3	4		1			1	4			1		1	1	
SHOOTING	2	2		2														2				2						1				1					
STRUCK BY OBJECT	2	1	1		1			1										1	1		1	1		1													
UNDETERMINED	4	1	3		1	1	2			1	3	1	3																								
OTHERS*	4		4		2		2				2		1				1		2		2																
TOTAL	279	135	144	65	58	60	72	10	14	37	67	26	51	1		10	16	98	77	73	64	25	13	8	3	3	1	2	4	6		2	3	1	2	3	

*OTHERS
DROPPED AS INFANT, AND FRACTURE WHILE BEING MOVED.

FATALITIES RESULTING FROM ACCIDENTS IN THE HOME

MODE - ALCOHOL INCIDENCE — TABLE 13

MODE	TOTAL	Total		Cleve.		County		Out of County		NOT TESTED								TESTED						STAGES											
										Total		Surv'd Too Long		Under Age		Other		Total		Neg.		Pos.		0.01% 0.04%		0.05% 0.09%		0.10% 0.14%		0.15% 0.19%		0.20% 0.24%		0.25% 0.29%		0.30% or over	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
ASPHYXIA:																																			
Aspiration of Foreign Object	1	1		1														1		1															
Compression	6	5	1	5	1					1				1				4	1	3	1	1				1									
Drowning	13	6	7	3	6	2	1	1										6	7	6	1														
Hanging	3	3				2		1										3		3															
TOTAL	23	15	8	9	7	4	1	2		1				1				14	8	13	8	1				1									
BURNING:																																			
Conflagration	10	6	4	6	2		2			1	1	1	1					5	3	5			3		1		1		1						
Incidental	1	1		1						1		1																							
Scalding	1	1		1						1		1																							
TOTAL	12	8	4	8	2		2			3	1	3	1					5	3	5			3		1		1		1						
CARBON MONOXIDE:																																			
Auto Exhaust	4	3	1	1		2			1									3	1	1	1	2		1					1						
Conflagration	23	11	12	8	7	3	5				1		1					11	11	9	8	2	3		1			1		1		1		1	
Natural Gas	1		1		1														1		1														
TOTAL	28	14	14	9	8	5	5		1		1		1					14	13	10	10	4	3	1	1			1		2		1		1	

FATALITIES RESULTING FROM ACCIDENTS IN THE HOME

TABLE 13A — MODE - ALCOHOL INCIDENCE

MODE	TOTAL	Total M	Total F	Cleve. M	Cleve. F	County M	County F	Out of County M	Out of County F	NOT TESTED Total M	NOT TESTED Total F	Surv'd Too Long M	Surv'd Too Long F	Under Age M	Under Age F	Other M	Other F	TESTED Total M	TESTED Total F	Neg. M	Neg. F	Pos. M	Pos. F	STAGES 0.01% 0.04% M	STAGES 0.01% 0.04% F	0.05% 0.09% M	0.05% 0.09% F	0.10% 0.14% M	0.10% 0.14% F	0.15% 0.19% M	0.15% 0.19% F	0.20% 0.24% M	0.20% 0.24% F	0.25% 0.29% M	0.25% 0.29% F	0.30% or over M	0.30% or over F
CUTTING AND STABBING:																																					
Window	1	1				1												1		1																	
TOTAL	1	1				1												1		1																	
EXPOSURE:																																					
Cold	4	2	2	2	2													2	2	1	1	1	1		1									1			
TOTAL	4	2	2	2	2													2	2	1	1	1	1		1									1			
SHOOTING:																																					
Self-Inflicted Handling Gun	2	2		2														2				2						1				1					
TOTAL	2	2		2														2				2						1				1					
STRUCK BY OBJECT:																																					
Tree	2	1	1		1			1										1	1		1	1		1													
TOTAL	2	1	1		1			1										1	1		1	1		1													
UNDETERMINED:																																					
Unknown	4	1	3		1	1	2			1	3	1	3																								
TOTAL	4	1	3		1	1	2			1	3	1	3																								
OTHER:																																					
Dropped as Infant	1		1		1														1		1																
Fracture While Being Moved	3		3		1		2				2		1				1		1		1																
TOTAL	4		4		2		2		2		1		1				1		2		2																

FATALITIES RESULTING FROM ACCIDENTS IN THE HOME

MODE - ALCOHOL INCIDENCE

TABLE 14

MODE	TOTAL	Total		Cleve.		County		Out of County		NOT TESTED								TESTED						STAGES													
										Total		Surv'd Too Long		Under Age		Other		Total		Neg.		Pos.		0.01% 0.04%		0.05% 0.09%		0.10% 0.14%		0.15% 0.19%		0.20% 0.24%		0.25% 0.29%		0.30% or over	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
POISONING																																					
Single Chemical Agent:																																					
Cocaine	8	5	3	5	2		1											5	3	5	3																
Desipramine	1	1				1												1		1																	
Isopropanol	2	2		2														2				2		2													
Lysol	1		1				1				1		1																								
Lighter Fluid	1		1		1						1		1																								
Morphine	1	1				1												1				1								1							
Normeperidine	1	1		1														1		1																	
Opiate	1	1		1														1				1								1							
Salicylate	3	2	1	1		1			1									2	1	2	1																
Combined Effect of Ethanol and:																																					
Amobarbitol	1	1		1														1				1		1													
Chlordiazepoxide	1		1				1												1				1										1				
Opiates	2	2		2														2				2								1						1	
Diazepan and Opiate	1	1		1														1				1								1							
Opiate and Diphenhydramine	1		1		1														1				1					1								
SUBTOTAL	25	17	8	14	4	3	3		1		2		2					17	6	9	4	8	2	3					1	4					1	1	

FATALITIES RESULTING FROM ACCIDENTS IN THE HOME

TABLE 14 (continued) — MODE - ALCOHOL INCIDENCE

MODE	TOTAL	Total M	Total F	Cleve. M	Cleve. F	County M	County F	Out of County M	Out of County F	NOT TESTED Total M	NOT TESTED Total F	Surv'd Too Long M	Surv'd Too Long F	Under Age M	Under Age F	Other M	Other F	TESTED Total M	TESTED Total F	Neg. M	Neg. F	Pos. M	Pos. F	STAGES 0.01% 0.04% M	STAGES 0.01% 0.04% F	0.05% 0.09% M	0.05% 0.09% F	0.10% 0.14% M	0.10% 0.14% F	0.15% 0.19% M	0.15% 0.19% F	0.20% 0.24% M	0.20% 0.24% F	0.25% 0.29% M	0.25% 0.29% F	0.30% or over M	0.30% or over F
POISONING (continued)																																					
Combined Effects of Ethanol and: (continued)																																					
Acetaminophen, Diazepan, Meperidine and Propoxyphene	1	1				1												1				1				1											
Propxyphene, Opiate, Benzodiazepine, and Acetaminophen	1		1				1												1				1								1						
Combined Effects of Two Chemical Agents:																																					
Cocaine and Opiate	1	1		1														1		1																	
Desipramine and Imipramine	2		2				2												2		2																
Propane and Isobutane	1	1				1												1		1																	
Propoxyphene and Meprobamate	1		1				1												1		1																
Propoxyphene and Norpropoxyphene	1	1				1												1				1		1													
Combined Effects of Three Chemical Agents:																																					
Codeine, Doxepin, and Dextromethorphan	1	1				1												1		1																	
Codeine, Propoxyphene, and Acetaminophen	1		1				1												1		1																
Diazepam, Codeine, and Cannabinoids	1	1		1														1		1																	
Doxepin, Diazepam, and Meperidine	1	1				1												1		1																	
Propoxyphene, Codeine, and Acetaminophen	2		2				2												2		2																
Combined Effects of Four Chemical Agents:																																					
Cocaine, Codeine, Opiate, and Acetaminophen	1		1	1															1		1															
Propoxyphene, Benzodiazepine, Salicylate, and Unidentified Material	1		1				1												1		1																
Combined Effects of Five Chemical Agents:																																					
Cocaine, Propoxyphene, Chlorpheniramine, Benzodiazepines, and Opiates	1	1				1												1		1																	
TOTAL	42	25	17	16	5	9	11		1		2		2					25	15	15	12	10	3	4		1			1	4			1		1	1	

FATALITIES RESULTING FROM ACCIDENTS IN THE HOME

MODE - AGE GROUPS

TABLE 15

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	
ASPHYXIA	2	2		1	1		2						1		2		2										1	1	1	2			1	1	2	1	15	8	23
BURNING			2		2		1						1	1		1											1	1	1			1					8	4	12
CARBON MONOXIDE		1	1		2			1			1	1	3						1	1		2	1	2		1	1	2	2	2			1		1	1	14	14	28
CUTTING AND STABBING															1																					1		1
EXPOSURE																								1			1					1				2	2	4
FALLING										1	1				1				1		1	1	2	1	4	1	4	2	7	6	7	9	12	12	26	58	66	91	157
POISONING		1							1			1	4	3	6	2	4	2	5	1	1	1	1	3	1		1	1		1			1			1	25	17	42
SHOOTING											1								1																		2		2
STRUCK BY OBJECT																					1										1						1	1	2
UNDETERMINED																																			1	3	1	3	4
OTHER														1						1																2		4	4
TOTAL	2	4	3	1	5		3	1	1	1	3	2	9	5	10	3	6	2	8	3	3	4	4	6	6	2	8	8	11	11	7	11	16	13	30	67	135	144	279

FATALITIES RESULTING FROM ACCIDENTS IN THE HOME

TABLE 16 — FALLS - ALCOHOL INCIDENCE

FALLS BY CODE*	Total	Total M	Total F	NOT TESTED Total M	NOT TESTED Total F	NOT TESTED Surv'd Too Long M	NOT TESTED Surv'd Too Long F	NOT TESTED Under Age M	NOT TESTED Under Age F	NOT TESTED Other M	NOT TESTED Other F	TESTED Total M	TESTED Total F	TESTED Neg. M	TESTED Neg. F	TESTED Pos. M	TESTED Pos. F	STAGES 0.01% 0.04% M	STAGES 0.01% 0.04% F	STAGES 0.05% 0.09% M	STAGES 0.05% 0.09% F	STAGES 0.10% 0.14% M	STAGES 0.10% 0.14% F	STAGES 0.15% 0.19% M	STAGES 0.15% 0.19% F	STAGES 0.20% 0.24% M	STAGES 0.20% 0.24% F	STAGES 0.25% 0.29% M	STAGES 0.25% 0.29% F	STAGES 0.30% or Over M	STAGES 0.30% or Over F
E880- From Stairs	22	9	13	4	2	3	2			1		5	11	4	9	1	2						1			1	1				
E881- From Ladder or Scaffold	7	7		2						2		5		5																	
E882- From Building or Other Structure	1	1		1		1																									
E884- From One Level to Another																															
Bed	7	1	6	1	6	1	5				1																				
Chair	2	1	1	1		1							1		1																
Commode	1	1										1		1																	
Couch	1		1										1		1																
Wheelchair	3		3		3		1				2																				
E885- On Same Level	105	42	63	22	45	15	35			7	10	20	18	16	17	4	1	2					1							2	
E888- Unspecified	8	4	4	1	2	1					2	3	2	2	2	1				1											
TOTAL	157	66	91	32	58	22	43			10	15	34	33	28	30	6	3	2		1			2			1	1			2	

*INTERNATIONAL CLASSIFICATION OF DISEASES BY WORLD HEALTH ORGANIZATION: NINTH REVISION.

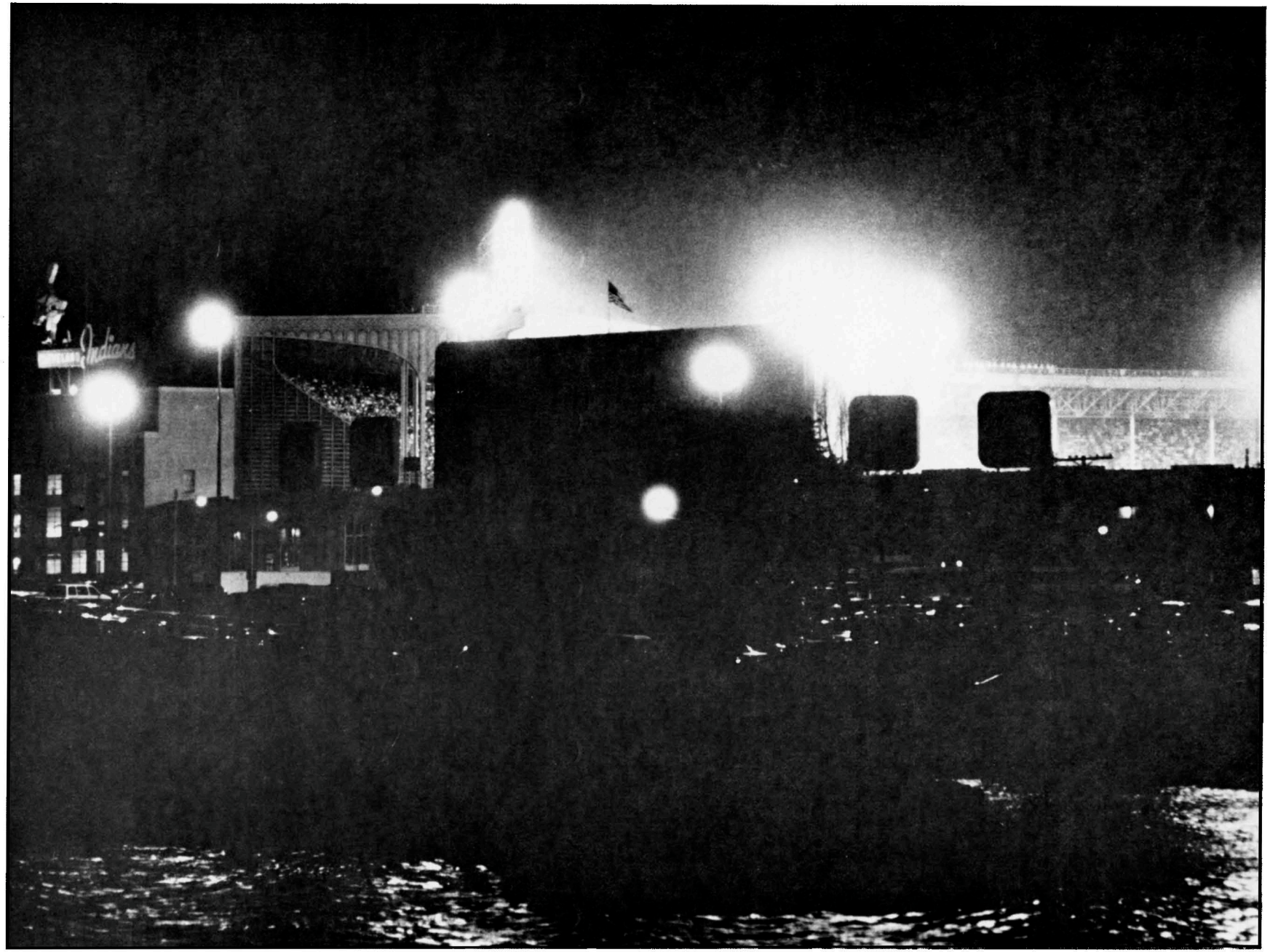
FATALITIES RESULTING FROM ACCIDENTS IN THE HOME

FALLS - AGE GROUPS — TABLE 17

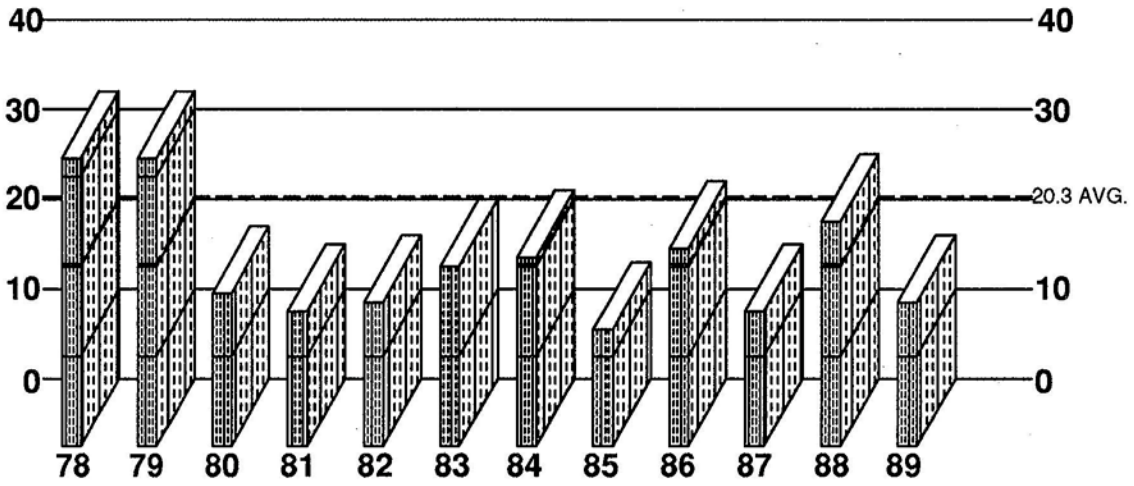
FALLS BY CODE*	Under 1 Year		1 - 4		5 - 9		10 - 14		15 - 19		20 - 24		25 - 29		30 - 34		35 - 39		40 - 44		45 - 49		50 - 54		55 - 59		60 - 64		65 - 69		70 - 74		75 - 79		80 and Over		TOTAL		GRAND TOTAL
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
E880 - From Stairs																							1				2	1	4	3	1	1		1	1	7	9	13	22
E881 - From Ladder or Scaffold																							1		2						2				2		7		7
E882 - From Building or Other Structure											1																										1		1
E884 - From One Level to Another																																							
Bed																																			1	6	1	6	7
Chair																															1					1	1	1	2
Commode																																			1		1		1
Couch																																				1		1	1
Wheelchair																										1		1		1								3	3
E885 - On Same Level																			1			1		1	2	1	2		3	1	3	7	12	10	19	42	42	63	105
E888 - Unspecified										1					1						1								1				1	2	1	4	4	8
TOTAL										1	1				1				1		1	1	2	1	4	1	4	2	7	6	7	9	12	12	26	58	66	91	157

*INTERNATIONAL CLASSIFICATION OF DISEASES BY WORLD HEALTH ORGANIZATION: NINTH REVISION

CLEVELAND STADIUM (HOME OF THE CLEVELAND BROWNS AND THE CLEVELAND INDIANS)

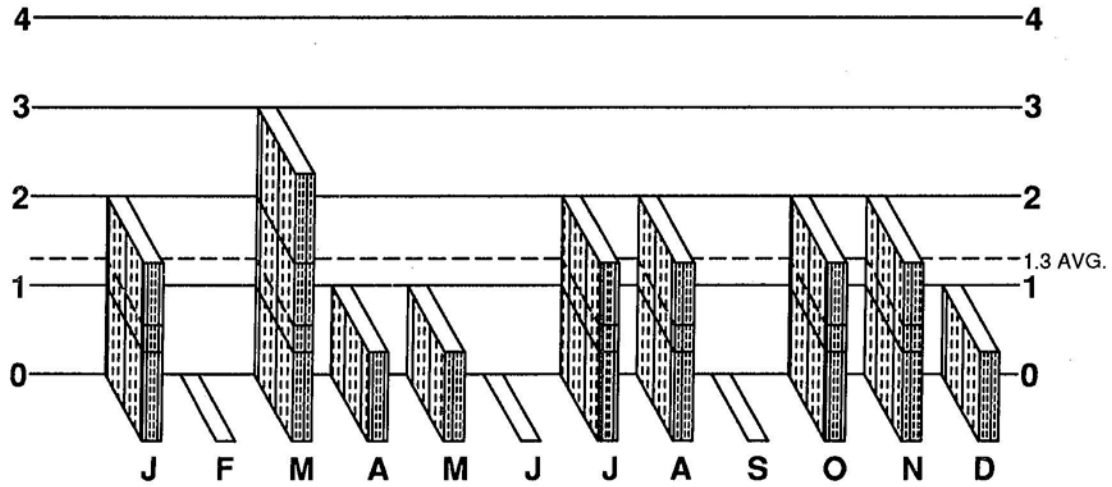


ACCIDENTS WHILE AT WORK
FOR A PERIOD OF TWELVE YEARS



		NUMBER	PERCENT
SEX	MALE	15	94
	FEMALE	1	6
RACE	WHITE	10	63
	NON-WHITE	6	37
ALCOHOL	TESTED	15	94
	POSITIVE	0	0
AUTOPSY	AUTOPSIED	15	94

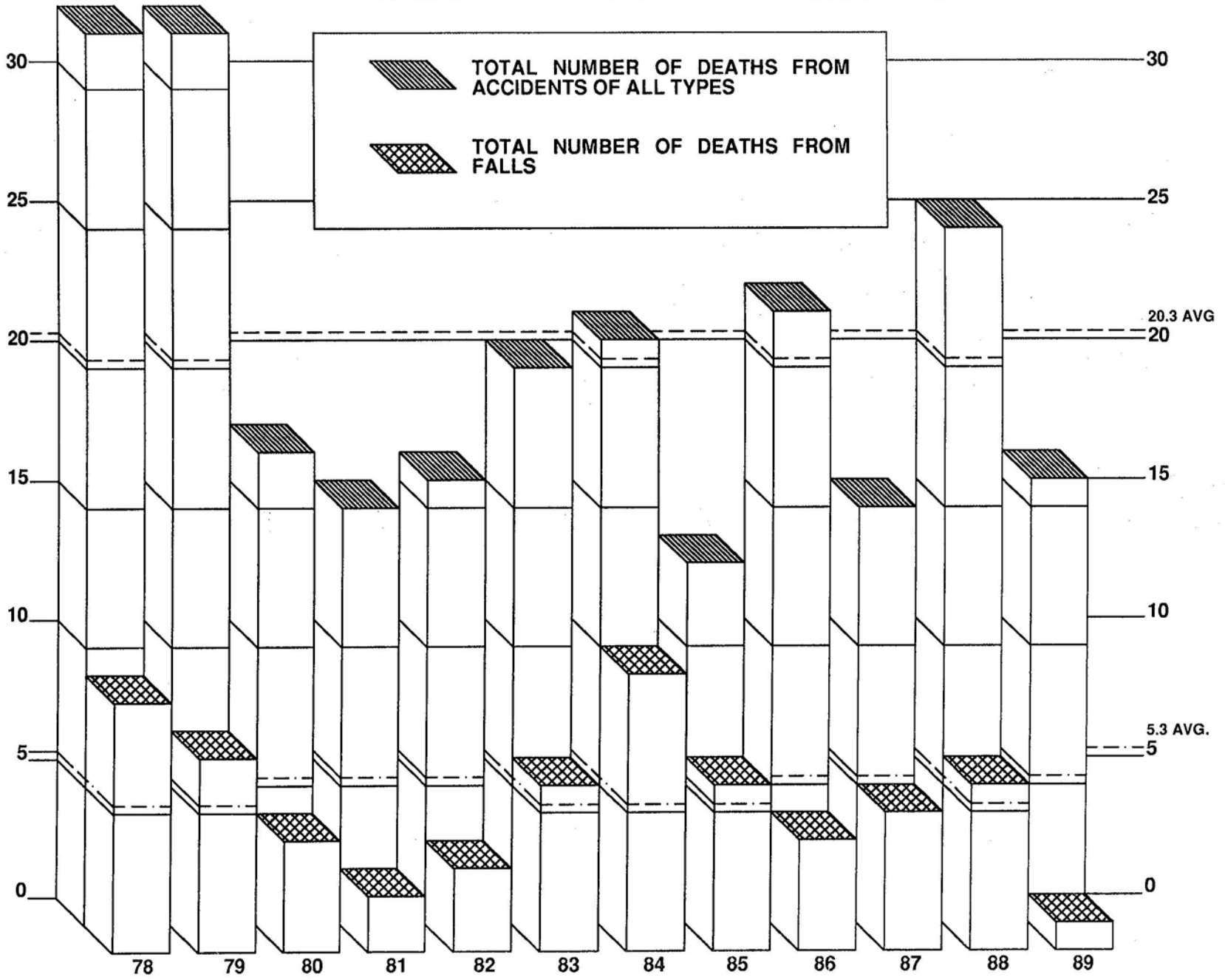
ACCIDENTS WHILE AT WORK
BY MONTH FOR THE YEAR 1989



1989
TOTAL CASES
16

FATALITIES RESULTING FROM ACCIDENTS WHILE AT WORK

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



FATALITIES RESULTING FROM ACCIDENTS WHILE AT WORK

MONTHLY ALCOHOL INCIDENCE — TABLE 18

										NOT TESTED								TESTED						STAGES											
		Total		Cleve.		County		Out of County		Total		Surv'd Too Long		Under Age		Other		Total		Neg.		Pos.		0.01% 0.04%		0.05% 0.09%		0.10% 0.14%		0.15% 0.19%		0.20% 0.24%		0.25% 0.29%		0.30% or over	
MONTH	TOTAL	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
JANUARY	2	2		1		1												2		2															
FEBRUARY																																			
MARCH	3	3				1		2										3		3															
APRIL	1	1				1												1		1															
MAY	1	1				1												1		1															
JUNE																																			
JULY	2	2				2												2		2															
AUGUST	2	2				2												2		2															
SEPTEMBER																																			
OCTOBER	2	2				2												2		2															
NOVEMBER	2	2		1				1										2		2															
DECEMBER	1		1		1						1		1																						
TOTAL	16	15	1	2	1	10		3			1		1					15		15															

FATALITIES RESULTING FROM ACCIDENTS WHILE AT WORK

TABLE 19 — AGE - RACE - ALCOHOL INCIDENCE

AGE	RACE	TOTAL	TOTAL M	TOTAL F	NOT TESTED: Total M	NOT TESTED: Total F	NOT TESTED: Surv'd Too Long M	NOT TESTED: Surv'd Too Long F	NOT TESTED: Under Age M	NOT TESTED: Under Age F	NOT TESTED: Other M	NOT TESTED: Other F	TESTED: Total M	TESTED: Total F	TESTED: Neg. M	TESTED: Neg. F	TESTED: Pos. M	TESTED: Pos. F	STAGES: 0.01% 0.04% M	STAGES: 0.01% 0.04% F	STAGES: 0.05% 0.09% M	STAGES: 0.05% 0.09% F	STAGES: 0.10% 0.14% M	STAGES: 0.10% 0.14% F	STAGES: 0.15% 0.19% M	STAGES: 0.15% 0.19% F	STAGES: 0.20% 0.24% M	STAGES: 0.20% 0.24% F	STAGES: 0.25% 0.29% M	STAGES: 0.25% 0.29% F	STAGES: 0.30% or Over M	STAGES: 0.30% or Over F
Under 1 Year	White																															
	Non-White																															
1 - 4	White																															
	Non-White																															
5 - 9	White																															
	Non-White																															
10 - 14	White																															
	Non-White																															
15 - 19	White																															
	Non-White	1	1										1		1																	
20 - 24	White	2	2										2		2																	
	Non-White	1	1										1		1																	
25 - 29	White	1	1										1		1																	
	Non-White																															
30 - 34	White	1	1										1		1																	
	Non-White																															
35 - 39	White	2	1	1		1		1					1		1																	
	Non-White	2	2										2		2																	
40 - 44	White																															
	Non-White																															
45 - 49	White																															
	Non-White																															
50 - 54	White	2	2										2		2																	
	Non-White																															
55 - 59	White	1	1										1		1																	
	Non-White	2	2										2		2																	
60 - 64	White																															
	Non-White																															
65 - 69	White	1	1										1		1																	
	Non-White																															
70 - 74	White																															
	Non-White																															
75 - 79	White																															
	Non-White																															
80 - over	White																															
	Non-White																															
TOTAL	White	10	9	1		1		1					9		9																	
	Non-White	6	6										6		6																	
GRAND TOTAL		16	15	1		1		1					15		15																	

FATALITIES RESULTING FROM ACCIDENTS WHILE AT WORK

MODE - ALCOHOL INCIDENCE

TABLE 20

MODE	TOTAL	Total		Cleve.		County		Out of County		NOT TESTED								TESTED						STAGES											
										Total		Surv'd Too Long		Under Age		Other		Total		Neg.		Pos.		0.01% 0.04%		0.05% 0.09%		0.10% 0.14%		0.15% 0.19%		0.20% 0.24%		0.25% 0.29%		0.30% or over	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
ASPHYXIA	5	4	1	1	1	2		1			1		1					4		4															
CRUSHING	4	4		1		2		1										4		4															
ELECTROCUTION	1	1				1												1		1															
FALLING	1	1				1												1		1															
POISONING	3	3				2		1										3		3															
OTHER*	2	2				2												2		2															
TOTAL	16	15	1	2	1	10		3			1		1					15		15															

*OTHER
STUNG BY YELLOW JACKETS, PARACHUTE ACCIDENT.

FATALITIES RESULTING FROM ACCIDENTS WHILE AT WORK

TABLE 21 — MODE - ALCOHOL INCIDENCE

MODE	TOTAL	Total		Cleve.		County		Out of County		NOT TESTED								TESTED						STAGES													
										Total		Surv'd Too Long		Under Age		Other		Total		Neg.		Pos.		0.01% 0.04%		0.05% 0.09%		0.10% 0.14%		0.15% 0.19%		0.20% 0.24%		0.25% 0.29%		0.30% or over	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
ASPHYXIA:																																					
Aspiration of Foreign Object	1		1		1						1		1																								
Compression	3	3		1		2												3		3																	
Drowning	1	1						1										1		1																	
TOTAL	5	4	1	1	1	2		1			1		1					4		4																	
CRUSHING:																																					
Bulldozer	1	1				1												1		1																	
Falling Boxes	1	1				1												1		1																	
Hopper	1	1						1										1		1																	
Rotary Oven	1	1		1														1		1																	
TOTAL	4	4		1		2		1										4		4																	
ELECTROCUTION:																																					
Welding Machine	1	1				1												1		1																	
TOTAL	1	1				1												1		1																	
POISONING:																																					
Methylene Chloride	1	1						1										1		1																	
Unidentified Chemical Substance	2	2				2												2		2																	
TOTAL	3	3				2		1										3		3																	
OTHER:																																					
Stung by Yellow Jackets	1	1				1												1		1																	
Parachute Accident	1	1				1												1		1																	
TOTAL	2	2				2												2		2																	

FATALITIES RESULTING FROM ACCIDENTS WHILE AT WORK

MODE - AGE GROUPS — TABLE 22

MODE	15 - 19		20 - 24		25 - 29		30 - 34		35 - 39		40 - 44		45 - 49		50 - 54		55 - 59		60 - 64		65 - 69		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	
ASPHYXIA			3							1					1								4	1	5
CRUSHING	1				1				1						1								4		4
ELECTROCUTION									1														1		1
FALLING																	1						1		1
POISONING									1								2						3		3
OTHER							1														1		2		2
TOTAL	1		3		1		1		3	1					2		3				1		15	1	16

FATALITIES RESULTING FROM ACCIDENTS WHILE AT WORK

FALLS - ALCOHOL INCIDENCE — TABLE 23

FALLS BY CODE*	Total		NOT TESTED								TESTED						STAGES													
			Total		Total		Surv'd Too Long		Under Age		Other		Total		Neg.		Pos.		0.01% 0.04%		0.05% 0.09%		0.10% 0.14%		0.15% 0.19%		0.20% 0.24%		0.25% 0.29%		0.30% or Over	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
E881- From Scaffold	1	1										1		1																
TOTAL	1	1										1		1																

*INTERNATIONAL CLASSIFICATION OF DISEASES BY WORLD HEALTH ORGANIZATION: NINTH REVISION.

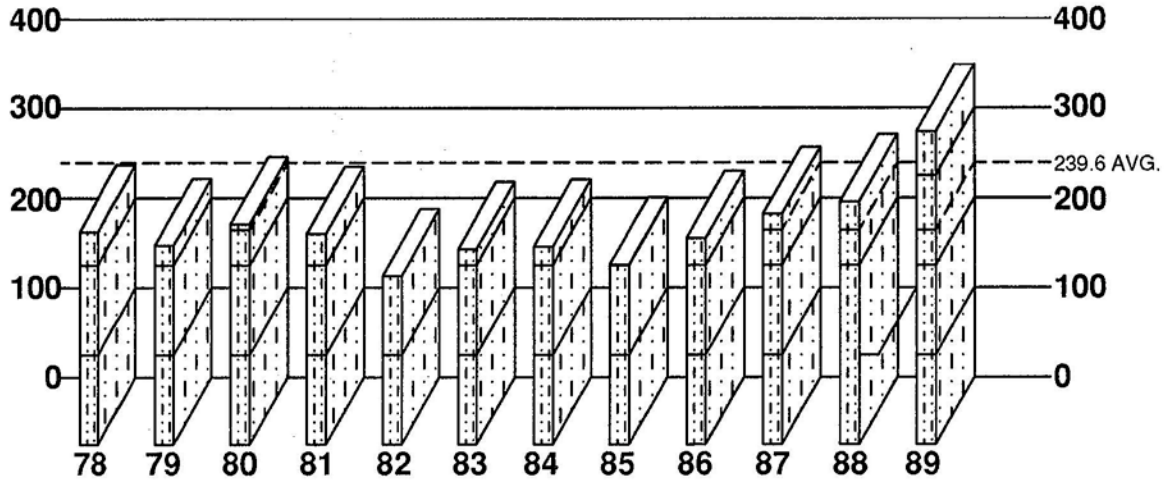
FATALITIES RESULTING FROM ACCIDENTS WHILE AT WORK

TABLE 24 — FALLS - AGE GROUPS

FALLS BY CODE*	15 - 19		20 - 24		25 - 29		30 - 34		35 - 39		40 - 44		45 - 49		50 - 54		55 - 59		60 - 64		65 - 69		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	
E881- From Scaffold																	1						1		1
TOTAL																	1						1		1

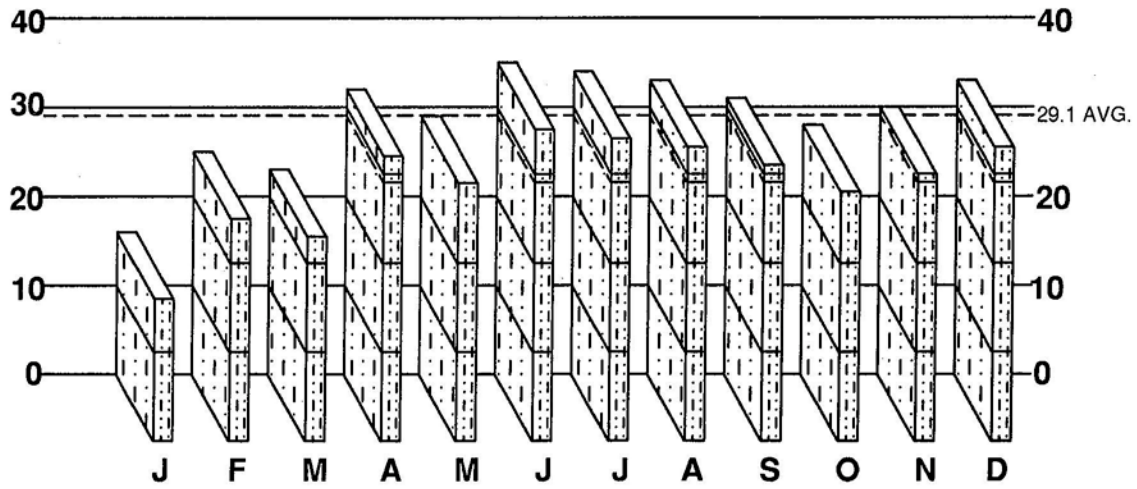
*INTERNATIONAL CLASSIFICATION OF DISEASES BY WORLD HEALTH ORGANIZATION: NINTH REVISION

ACCIDENTS IN OTHER PLACES
FOR A PERIOD OF TWELVE YEARS



		NUMBER	PERCENT
SEX	MALE	185	53
	FEMALE	164	47
RACE	WHITE	277	79
	NON-WHITE	72	21
ALCOHOL	TESTED	95	27
	POSITIVE	19	20
AUTOPSY	AUTOPSIED	98	28

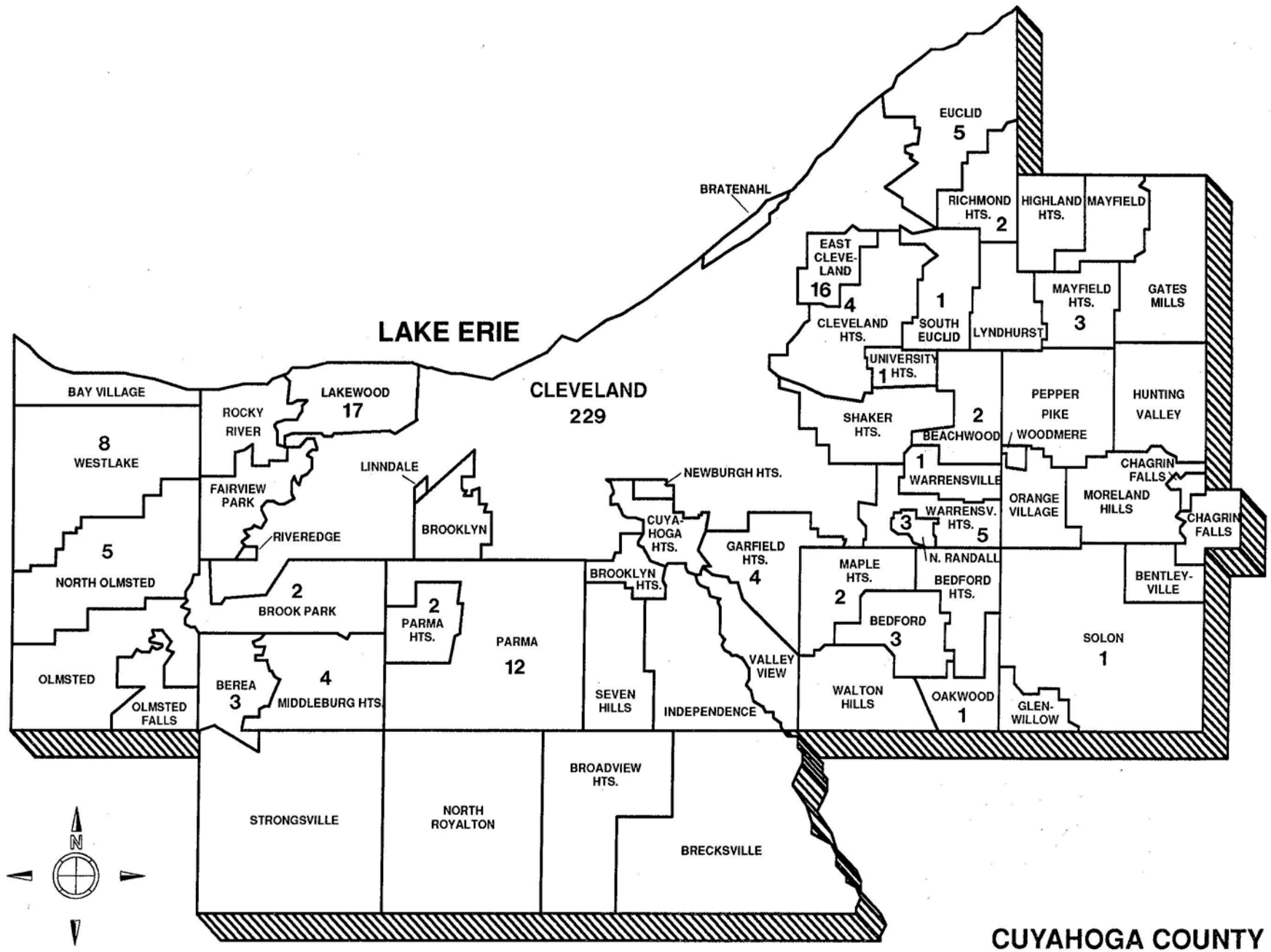
ACCIDENTS IN OTHER PLACES
BY MONTH FOR THE YEAR 1989



1989
TOTAL CASES
349

FATALITIES RESULTING FROM ACCIDENTS IN OTHER PLACES

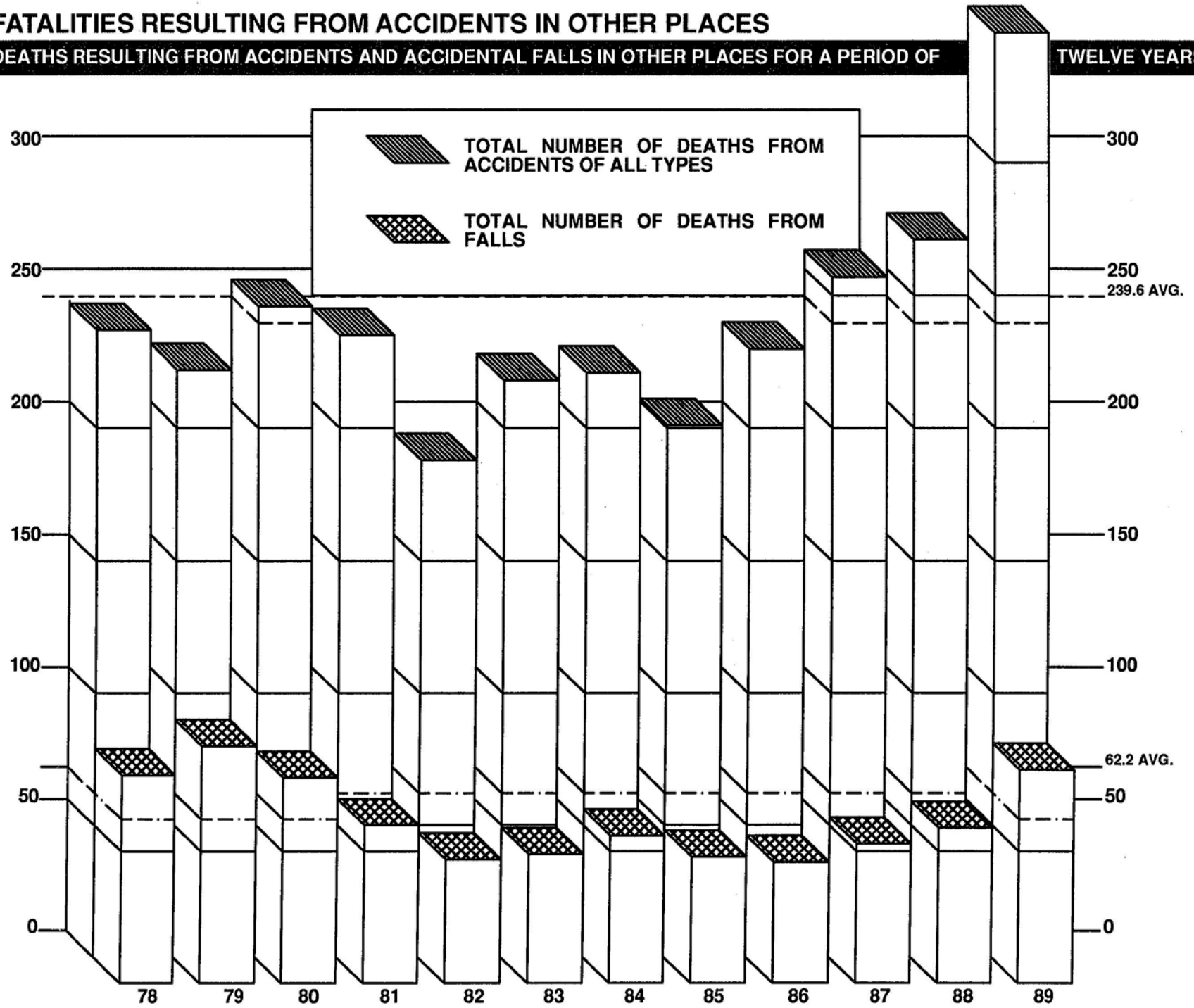
MAP 3 DISTRIBUTION OF FATALITIES FROM ACCIDENTS IN OTHER PLACES



CUYAHOGA COUNTY

FATALITIES RESULTING FROM ACCIDENTS IN OTHER PLACES

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



FATALITIES RESULTING FROM ACCIDENTS IN OTHER PLACES

TABLE 25 — MONTHLY ALCOHOL INCIDENCE

										NOT TESTED								TESTED						STAGES													
		Total		Cleve.		County		Out of County		Total		Surv'd Too Long		Under Age		Other		Total		Neg.		Pos.		0.01% 0.04%		0.05% 0.09%		0.10% 0.14%		0.15% 0.19%		0.20% 0.24%		0.25% 0.29%		0.30% or over	
MONTH	TOTAL	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
JANUARY	16	10	6	6	4	3	2	1		8	5	5	4			3	1	2	1	1	1	1		1													
FEBRUARY	25	11	14	10	13	1	1			6	14	5	7			1	7	5		3		2		1								1					
MARCH	23	9	14	5	8	4	6			7	10	3	5			4	5	2	4	2	4																
APRIL	32	16	16	10	10	6	6			14	15	8	8		1	6	6	2	1	1	1	1										1					
MAY	29	14	15	7	7	6	7	1	1	7	12	5	10			2	2	7	3	6	3	1		1													
JUNE	35	24	11	15	7	8	4	1		17	8	8	5	1		8	3	7	3	4	3	3				1										2	
JULY	34	18	16	12	12	5	3	1	1	8	14	6	11			2	3	10	2	7	2	3		1				1				1					
AUGUST	33	18	15	14	10	2	4	2	1	13	13	5	8			8	5	5	2	3	2	2				1				1							
SEPTEMBER	31	19	12	16	6	3	6			13	9	10	8	1		2	1	6	3	4	3	2		1								1					
OCTOBER	28	16	12	10	6	4	5	2	1	7	10	2	5			5	5	9	2	5	2	4				1		2						1			
NOVEMBER	30	15	15	12	9	3	6			8	12	5	7			3	5	7	3	7	3																
DECEMBER	33	15	18	11	9	4	8		1	12	12	9	10			3	2	3	6	3	6																
TOTAL	349	185	164	128	101	49	58	8	5	120	134	71	88	2	1	47	45	65	30	46	30	19		5		3		3		1		4		1		2	

FATALITIES RESULTING FROM ACCIDENTS IN OTHER PLACES

AGE - RACE - ALCOHOL INCIDENCE — TABLE 26

AGE	RACE	TOTAL	NOT TESTED										TESTED						STAGES											
			Total		Total		Surv'd Too Long		Under Age		Other		Total		Neg.		Pos.		0.01% 0.04%		0.05% 0.09%		0.10% 0.14%		0.15% 0.19%		0.20% 0.24%		0.25% 0.29%		0.30% or Over	
			M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Under 1 Year	White	5	3	2	3	2	2	2	1																						
	Non-White	4	2	2	2	2	1	1	1			1																			
1 - 4	White	2		2		1				1				1		1															
	Non-White																														
5 - 9	White	1	1										1		1																
	Non-White																														
10 - 14	White	1	1										1				1														
	Non-White	2	1	1									1	1	1	1					1										
15 - 19	White	4	3	1	1	1					1	1	2		1		1														
	Non-White	2	2		1		1						1		1								1								
20 - 24	White	7	7		1		1						6		3		3														
	Non-White	1	1										1				1						1				1			1	
25 - 29	White	6	4	2		2		2					4		2		2		1		1										
	Non-White	2		2		1		1						1		1							1								
30 - 34	White	6	4	2		1		1					4	1	2	1	2		1												
	Non-White	4	3	1									3	1	2	1	1								1						
35 - 39	White	6	4	2		2						2	4		2		2		1											1	
	Non-White	3	3										3		2		1				1										
40 - 44	White	6	5	1	1						1		4	1	4	1															
	Non-White	8	5	3	1		1						4	3	3	3	1										1		1		
45 - 49	White	7	3	4	3	3	2	2			1	1		1		1															
	Non-White	1		1										1		1															
50 - 54	White	9	8	1	4	1	3				1	1	4		3		1		1												
	Non-White	3	3										3		1		2										2				
55 - 59	White	9	7	2	3	2	1	2			2		4		3		1		1												
	Non-White	3	1	2	1	1		1			1		1	1		1															
60 - 64	White	16	8	8	8	7	6	4			2	3		1		1															
	Non-White	11	7	4	6	2	1	1			5	1	1	2	1	2															
65 - 69	White	35	16	19	15	17	9	14			6	3	1	2	1	2															
	Non-White	5		5		4		3				1		1		1															
70 - 74	White	45	28	17	26	15	13	6			13	9	2	2	2	2															
	Non-White	9	2	7	2	6	1	3			1	3		1		1															
75 - 79	White	33	25	8	21	7	15	6			6	1	4	1	4	1															
	Non-White	4		4		3		2				1		1		1															
80 - over	White	79	26	53	20	47	13	33			7	14	6	6	6	6															
	Non-White	10	2	8	1	7	1	4				3	1	1	1	1															
TOTAL	White	277	153	124	106	108	65	72	1	1	40	35	47	16	34	16	13		5		2		3		1		1				1	
	Non-White	72	32	40	14	26	6	16	1		7		18	14	12	14	6				1						3		1		1	
GRAND TOTAL		349	185	164	120	134	71	88	2	1	47	45	65	30	46	30	19		5		3		3		1		4		1		2	

FATALITIES RESULTING FROM ACCIDENTS IN OTHER PLACES

TABLE 27 — MODE - ALCOHOL INCIDENCE

MODE	TOTAL	Total		Cleve.		County		Out of County		NOT TESTED								TESTED						STAGES													
										Total		Surv'd Too Long		Under Age		Other		Total		Neg.		Pos.		0.01% 0.04%		0.05% 0.09%		0.10% 0.14%		0.15% 0.19%		0.20% 0.24%		0.25% 0.29%		0.30% or over	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
AIRPLANE ACCIDENT	1	1		1														1				1		1												
ASPHYXIA	21	16	5	11	2	5	3			2		1		1				14	5	7	5	7		1		1		2				2				1	
BURNING	2	1	1					1	1	1		1							1		1																
CARBON MONOXIDE	2	1	1		1	1												1	1	1	1															
ELECTROCUTION	1	1		1														1		1																
EXPOSURE	2	2		2														2		1		1										1				
FALLING	81	33	48	10	15	18	30	5	3	22	42	14	29			8	13	11	6	10	6	1					1									
JUMPING	1	1		1														1		1																
POISONING	19	17	2	14	2	3					1						1	17	1	9	1	8		3		2				2				1		
THERAPEUTIC COMPLICATION	202	105	97	85	78	20	19			94	82	54	54	1	1	39	27	11	15	11	15															
TRAIN ACCIDENT	4	4		1		2		1										4		3		1							1							
UNDETERMINED	8	1	7	1	2		5			1	7	1	4				3																			
OTHERS*	5	2	3	1	1		1	1	1		2		1				1	2	1	2	1																
TOTAL	349	185	164	128	101	49	58	8	5	120	134	71	88	2	1	47	45	65	30	46	30	19		5		3		3		1		4		1		2	

*CORONARY EPISODE WHILE RETRIEVING A FISHING POLE, FRACTURE WHILE BEING MOVED AND, INJURY WHILE SWIMMING

FATALITIES RESULTING FROM ACCIDENTS IN OTHER PLACES

MODE - ALCOHOL INCIDENCE — TABLE 28

MODE	TOTAL	Total		Cleve.		County		Out of County		NOT TESTED								TESTED						STAGES											
										Total		Surv'd Too Long		Under Age		Other		Total		Neg.		Pos.		0.01% 0.04%		0.05% 0.09%		0.10% 0.14%		0.15% 0.19%		0.20% 0.24%		0.25% 0.29%		0.30% or over	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
AIRPLANE ACCIDENT:																																			
Pilot	1	1		1														1				1		1											
TOTAL	1	1		1														1				1		1											
ASPHYXIA:																																			
Aspiration of Foreign Object	6	2	4	2	1		3			1		1						1	4	1	4															
Drowning	13	12	1	8	1	4												12	1	5	1	7		1		1		2			2				1	
Hanging	1	1				1												1		1															
Plastic Bag	1	1		1						1				1																					
TOTAL	21	16	5	11	2	5	3			2		1		1				14	5	7	5	7		1		1		2			2				1	
BURNING:																																			
Chemical	1	1						1		1		1																							
Scalding	1		1						1										1		1														
TOTAL	2	1	1					1	1	1		1							1		1														
CARBON MONOXIDE:																																			
Auto Exhaust	1	1				1												1		1															
Conflagration	1		1		1														1		1														
TOTAL	2	1	1		1	1												1	1	1	1														
ELECTROCUTION:																																			
Electrical Box on Tranformer Vault	1	1		1														1		1															
TOTAL	1	1		1														1		1															
EXPOSURE:																																			
Cold	2	2		2														2		1		1												1	
TOTAL	2	2		2														2		1		1												1	
JUMPING:																																			
Auto	1	1		1														1		1															
TOTAL	1	1		1														1		1															
THERAPEUTIC COMPLICATION:	202	105	97	85	78	20	19			94	82	54	54	1	1	39	27	11	15	11	15														
TOTAL	202	105	97	85	78	20	19			94	82	54	54	1	1	39	27	11	15	11	15														
TRAIN ACCIDENT:																																			
Employee	1	1		1														1		1															
Trespasser	3	3				2		1										3		2		1								1					
TOTAL	4	4		1		2		1										4		3		1								1					
UNDETERMINED:	8	1	7	1	2		5			1	7	1	4				3																		
TOTAL	8	1	7	1	2		5			1	7	1	4				3																		
OTHERS:																																			
Coronary episode while retrieving fishing pole	1	1		1														1		1															
Fracture while being moved	3		3		1		1		1		2		1				1		1		1														
Injury while swimming	1	1						1										1		1															
TOTAL	5	2	3	1	1		1	1	1		2		1				1	2	1	2	1														

FATALITIES RESULTING FROM ACCIDENTS IN OTHER PLACES

TABLE 29 — MODE - ALCOHOL INCIDENCE

POISONING	TOTAL	Total M	Total F	Cleve. M	Cleve. F	County M	County F	Out of County M	Out of County F	NOT TESTED Total M	NOT TESTED Total F	Surv'd Too Long M	Surv'd Too Long F	Under Age M	Under Age F	Other M	Other F	TESTED Total M	TESTED Total F	Neg. M	Neg. F	Pos. M	Pos. F	STAGES 0.01% 0.04% M	STAGES 0.01% 0.04% F	0.05% 0.09% M	0.05% 0.09% F	0.10% 0.14% M	0.10% 0.14% F	0.15% 0.19% M	0.15% 0.19% F	0.20% 0.24% M	0.20% 0.24% F	0.25% 0.29% M	0.25% 0.29% F	0.30% or over M	0.30% or over F
Single Chemical Agent:																																					
Chloroform	1	1		1														1				1		1													
Chronic Drug Abuse	2	1	1	1	1													1	1	1	1																
Cocaine	3	3		3														3		3																	
Morphine	1		1		1						1						1																				
Opiate	2	2		2														2		2																	
Combined Effect of Ethanol and:																																					
Cocaine	2	2		2														2				2				1						1					
Pentazocine	1	1		1														1				1		1													
Cocaine and Opiate	1	1		1														1				1										1					
Prolinin and Marijuana	1	1		1														1				1														1	
Combined Effect of Two Chemical Agents:																																					
Cocaine and Opiate	2	2				2												2		1		1		1													
Codeine and Morphine	1	1		1														1				1				1											
Combined Effects of Three Chemical Agents:																																					
Cocaine, Opiate and Phenobarbital	1	1		1														1		1																	
Combined Effects of Four Chemical Agents:																																					
Amobarbital, Secobarbital, Diazepam and Morphine	1	1				1												1		1																	
TOTAL	19	17	2	14	2	3					1						1	17	1	9	1	8		3		2						2				1	

FATALITIES RESULTING FROM ACCIDENTS IN OTHER PLACES

MODE - AGE GROUPS — TABLE 30

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	
AIRPLANE ACCIDENT																	1																		1		1
ASPHYXIA	1						2	1	1		3		1		2		1		1				1		1			1	1			1	1	1		1	16	5	21
BURNING																							1												1	1	1	2
CARBON MONOXIDE														1																	1				1	1	2
ELECTROCUTION					1																														1		1
EXPOSURE																			1				1												2		2
FALLING									1										1						1		2	2	1		4	3	5	1	18	42	33	48	81
JUMPING															1																						1		1
POISONING		1							1		2		3		2		3		3			1	3													17	2	19
THERAPEUTIC COMPLICATIONS	4	3		2					2		1			3	1	3	1	2	3	4	3	4	4	1	6	4	13	9	14	23	25	17	18	9	9	13	105	97	202
TRAIN ACCIDENT											1				1		1		1																		4		4
UNDETERMINED																															2		1		1	7	8
OTHERS										1	1												1						1			1				2	3	5
TOTAL	5	4		2	1		2	1	5	1	8		4	4	7	3	7	2	10	4	3	5	11	1	8	4	15	12	16	24	30	24	25	12	28	61	185	164	349

FATALITIES RESULTING FROM ACCIDENTS IN OTHER PLACES

TABLE 31 — FALLS - ALCOHOL INCIDENCE

FALLS BY CODE*	Total	Total		NOT TESTED								TESTED						STAGES											
				Total		Surv'd Too Long		Under Age		Other		Total		Neg.		Pos.		0.01% 0.04%		0.05% 0.09%		0.10% 0.14%		0.15% 0.19%		0.20% 0.24%		0.25% 0.29%		0.30% or Over	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
E880- From Stairs	4	3	1									3	1	2	1	1						1									
E884- From One Level to Another																															
Bed	7	2	5	1	4	1	2				2	1	1	1	1																
Chair	1	1		1						1																					
Commode	2		2		2		2																								
Examinating Table	1	1										1		1																	
Hoyer Lift	1		1		1		1																								
Wheelchair	3	1	2	1	2	1	2																								
X-ray Table	1	1		1		1																									
E885- On the Same Level	52	20	32	15	29	9	20			6	9	5	3	5	3																
E888- Unspecified	9	4	5	3	4	2	2			1	2	1	1	1	1																
TOTAL	81	33	48	22	42	14	29			8	13	11	6	10	6	1						1									

*INTERNATIONAL CLASSIFICATION OF DISEASES BY WORLD HEALTH ORGANIZATION: NINTH REVISION.

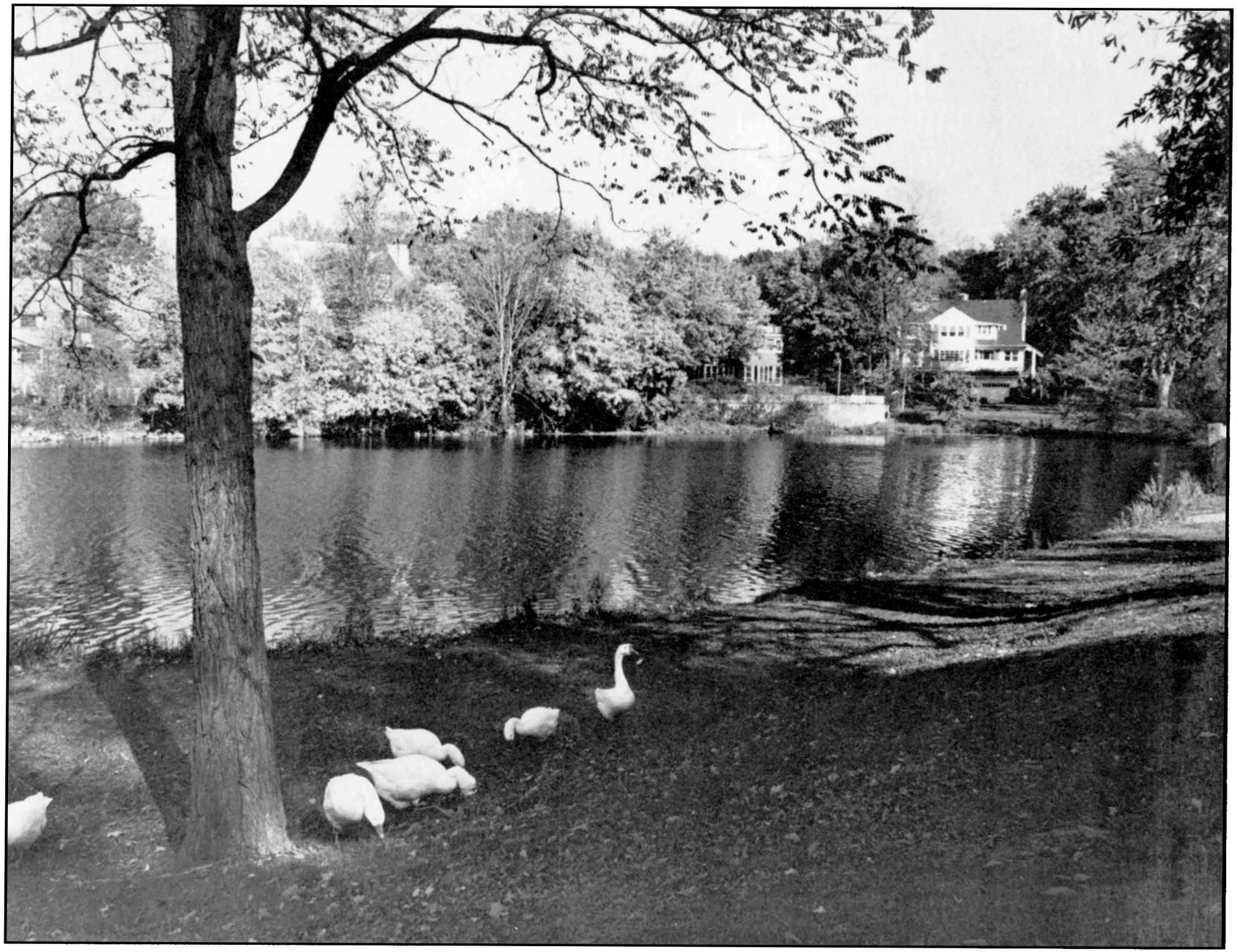
FATALITIES RESULTING FROM ACCIDENTS IN OTHER PLACES

FALLS - AGE GROUPS — TABLE 32

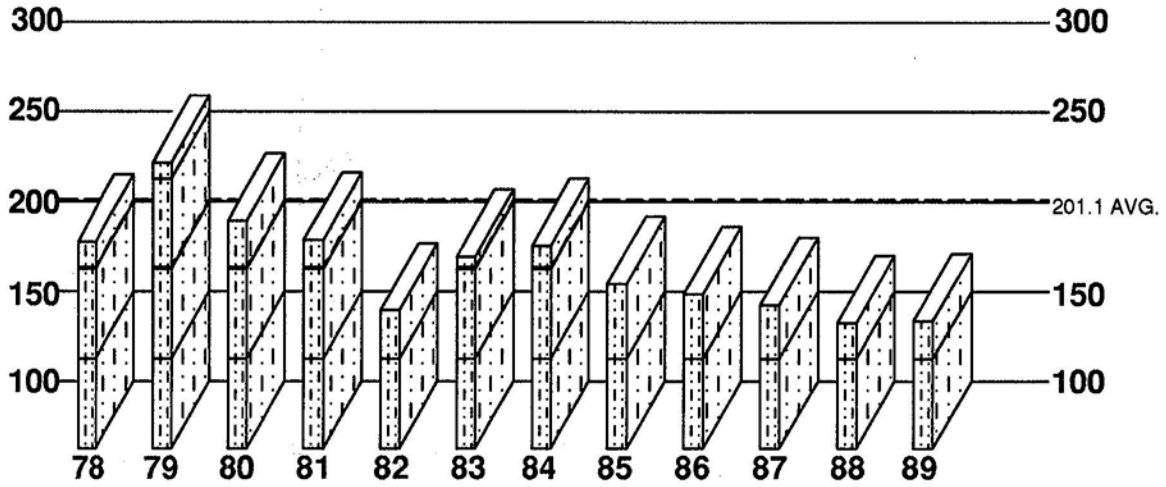
FALLS BY CODE*	Under 1 Year		1 - 4		5 - 9		10 - 14		15 - 19		20 - 24		25 - 29		30 - 34		35 - 39		40 - 44		45 - 49		50 - 54		55 - 59		60 - 64		65 - 69		70 - 74		75 - 79		80 and Over		TOTAL		GRAND TOTAL
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
E880- From Stairs									1																								2	1	3	1	4
E884- From One Level to Another																																					
Bed																																	2	5	2	5	7
Chair																													1						1		1
Commode																																		2		2	2
Examinating Table																			1																1		1
Hoyer Lift																																		1		1	1
Wheelchair																																	1	2	1	2	3
X-ray Table																																	1		1		1
E885- On Same Level																									1	2	1		2	3	4	1	12	26	20	32	52
E888- Unspecified																									1		1				1		1			5	4	5	9
TOTAL									1										1						1		2	2	1		4	3	5	1	18	42	33	48	81

*INTERNATIONAL CLASSIFICATION OF DISEASES BY WORLD HEALTH ORGANIZATION: NINTH REVISION

SHAKER LAKES IN SHAKER HEIGHTS

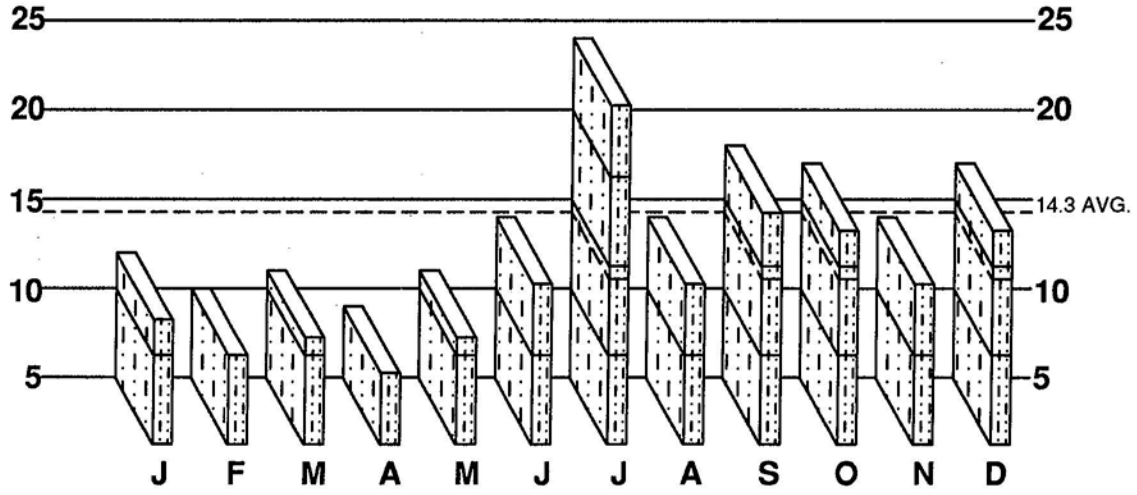


VEHICULAR ACCIDENTS
FOR A PERIOD OF TWELVE YEARS



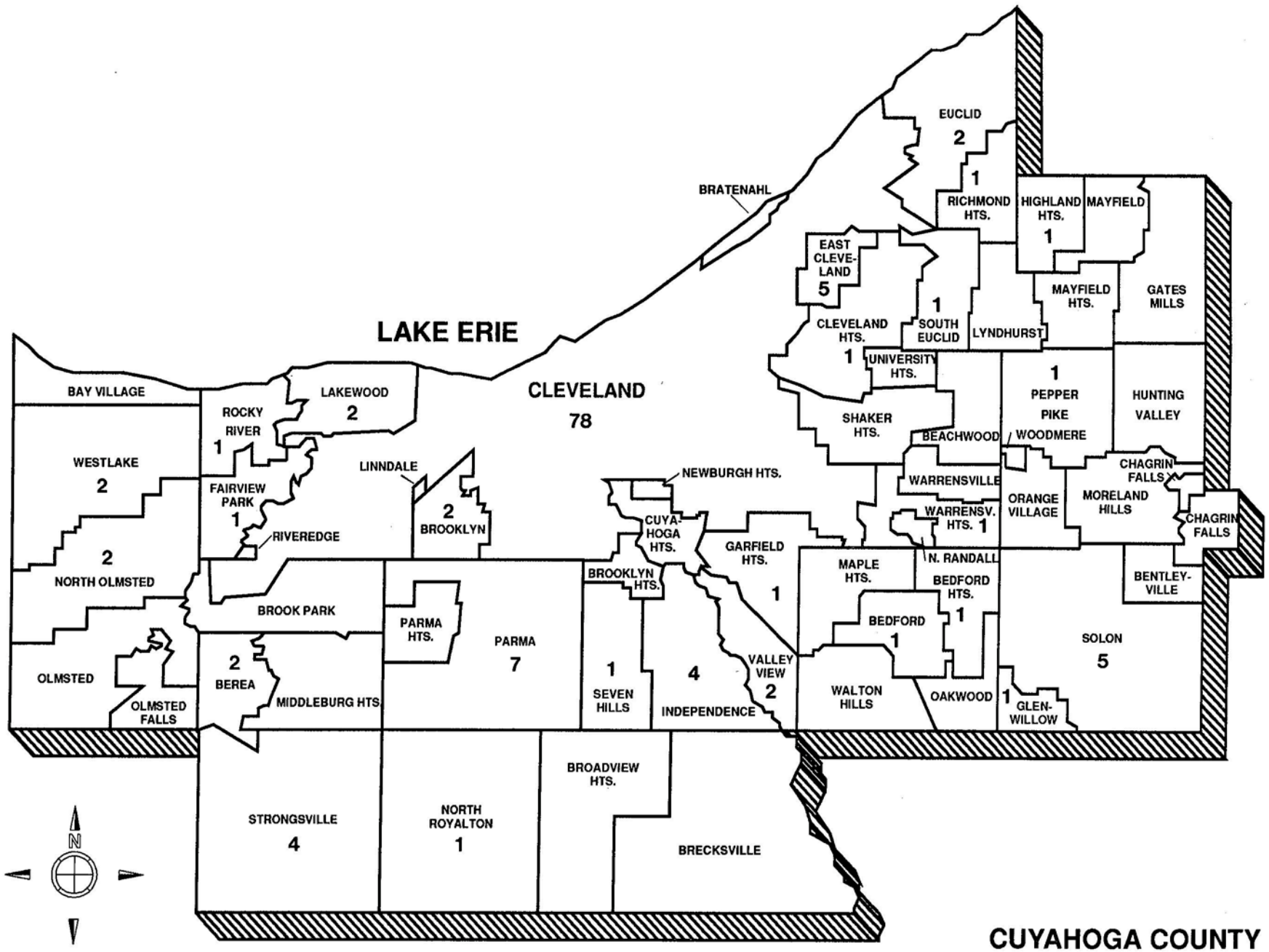
		NUMBER	PERCENT
SEX	MALE	127	74
	FEMALE	44	26
RACE	WHITE	135	79
	NON-WHITE	36	21
ALCOHOL	TESTED	148	87
	POSITIVE	59	40
AUTOPSY	AUTOPSIED	169	99

VEHICULAR ACCIDENTS
BY MONTH FOR THE YEAR 1989



1989
TOTAL CASES
171

MAP 4 DISTRIBUTION OF VEHICULAR FATALITIES



CUYAHOGA COUNTY

PHARMACOLOGICAL EFFECTS OF ALCOHOL

FRONTAL LOBE
AFFECTED BY 0.01 - 0.10% ALCOHOL
REACTION IS COLORED BY INDIVIDUAL'S PERSONALITY
REMOVAL OF INHIBITIONS
- LOSS OF SELF CONTROL
- WEAKNESS OF WILL POWER

DEVELOPMENT OF EUPHORIA
- FEELING OF WELL-BEING
- EXULTATION
- INCREASED CONFIDENCE
- EXPANSIVENESS
- GENEROSITY
- ALTERED JUDGMENT
- INCREASED GOOD FELLOWSHIP
- LOQUACIOUSNESS
- DULLING OF ATTENTION

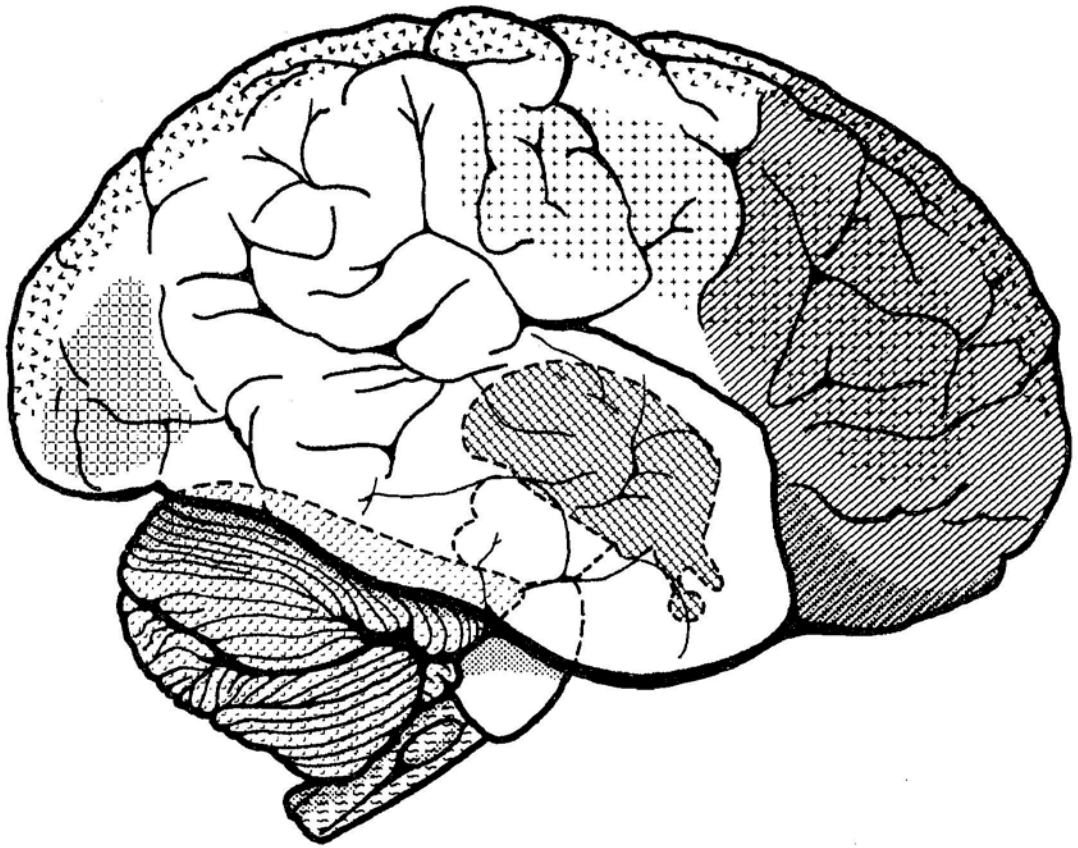
PSYCHOMOTOR AREAS (CORTEX)
AFFECTED BY 0.10 - 0.20% ALCOHOL
- APRAXIA
- AGRAPHIA
- ATAXIA
- TREMORS
- SLURRED SPEECH
- LOSS OF SKILL

SOMESTHETO-PSYCHIC AREAS (FRONTAL AND PARIETAL LOBES)
AFFECTED BY 0.10 - 0.30% ALCOHOL
DULLED OR DISTORTED SENSIBILITIES

CEREBELLUM
AFFECTED BY 0.15 - 0.35% ALCOHOL
DISTURBANCE OF EQUILIBRIUM

VISUO-PSYCHIC AREAS (OCCIPITAL LOBE)
AFFECTED BY 0.20 - 0.30% ALCOHOL
DISTURBANCE OF:
- COLOR PERCEPTION
- DIMENSIONS
- DIPLOPIA
- FORM
- MOTION
- DISTANCE

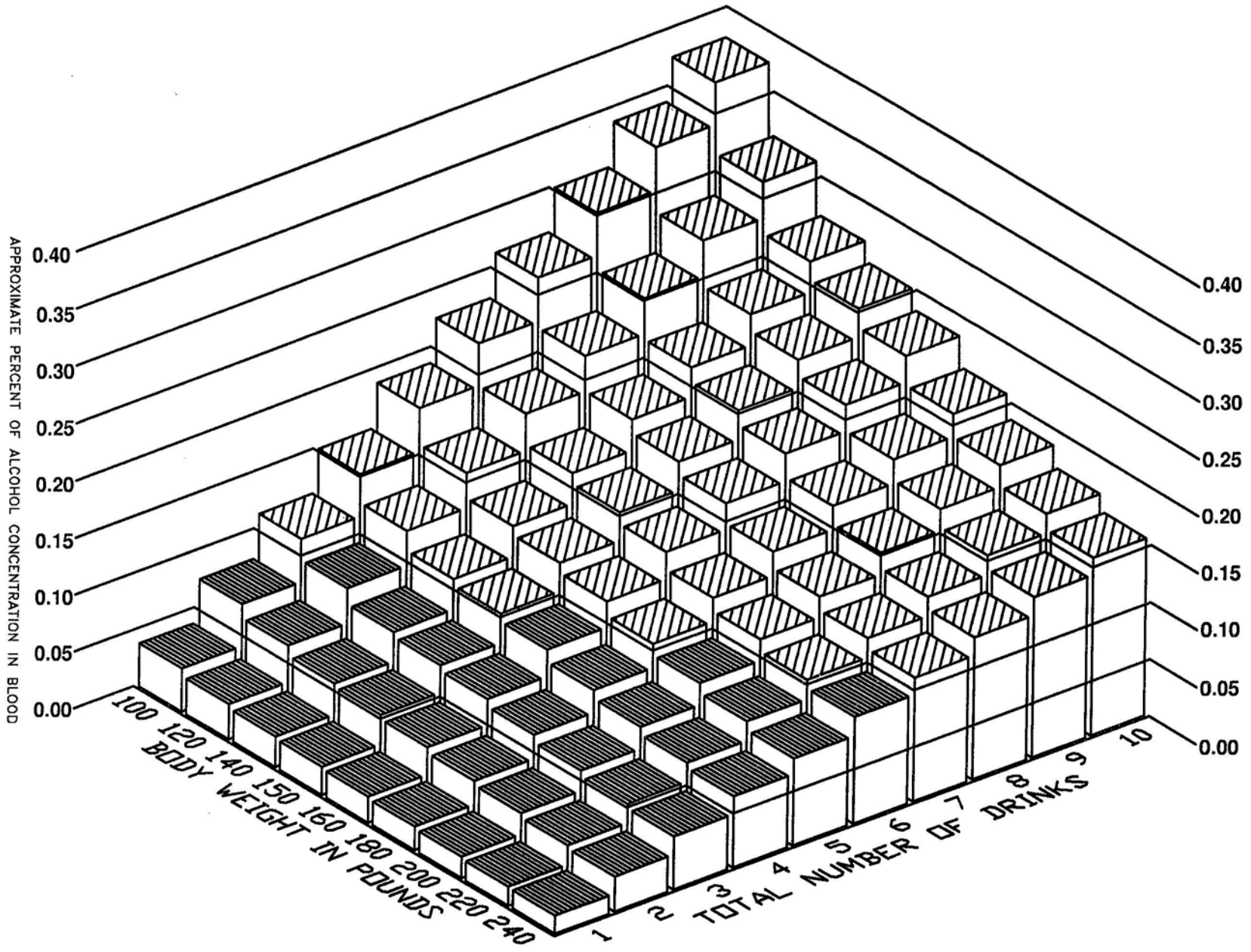
DIENCEPHALON
AFFECTED BY 0.25 - 0.40% ALCOHOL
CESSATION OF AUTOMATIC MOVEMENTS
DILATION OF SURFACE CAPILLARIES
- APATHY
- INERTIA
- TREMORS
- SWEATING
- STUPOR
- COMA



MEDULLA
AFFECTED BY 0.40 - 0.50% ALCOHOL
DEPRESSION OF RESPIRATION
PERIPHERAL COLLAPSE
SUBNORMAL TEMPERATURE
DEATH

THE ACTION OF ALCOHOL ON THE BRAIN IS FROM FIRST TO LAST LIKE THAT OF A NARCOTIC DRUG.

VEHICULAR FATALITIES
BLOOD ALCOHOL CONCENTRATION BY WEIGHT



BLOOD ALCOHOL CONCENTRATION BY WEIGHT*

APPROXIMATE PERCENT OF ALCOHOL CONCENTRATION IN BLOOD**

BODY WEIGHT IN POUNDS	1	2	3	4	5	6	7	8	9	10
100	0.038	0.075	0.113	0.150	0.188	0.225	0.263	0.300	0.338	0.375
120	0.031	0.063	0.094	0.125	0.156	0.188	0.219	0.250	0.281	0.313
140	0.027	0.054	0.080	0.107	0.134	0.161	0.188	0.214	0.241	0.268
150	0.025	0.051	0.075	0.101	0.126	0.151	0.176	0.201	0.226	0.251
160	0.023	0.047	0.070	0.094	0.117	0.141	0.164	0.188	0.211	0.254
180	0.021	0.042	0.063	0.083	0.104	0.125	0.146	0.167	0.188	0.208
200	0.019	0.038	0.056	0.075	0.094	0.113	0.131	0.150	0.165	0.188
220	0.017	0.034	0.051	0.068	0.085	0.102	0.119	0.136	0.153	0.170
240	0.016	0.031	0.047	0.063	0.078	0.094	0.109	0.125	0.141	0.156

TOTAL NUMBER OF DRINKS***

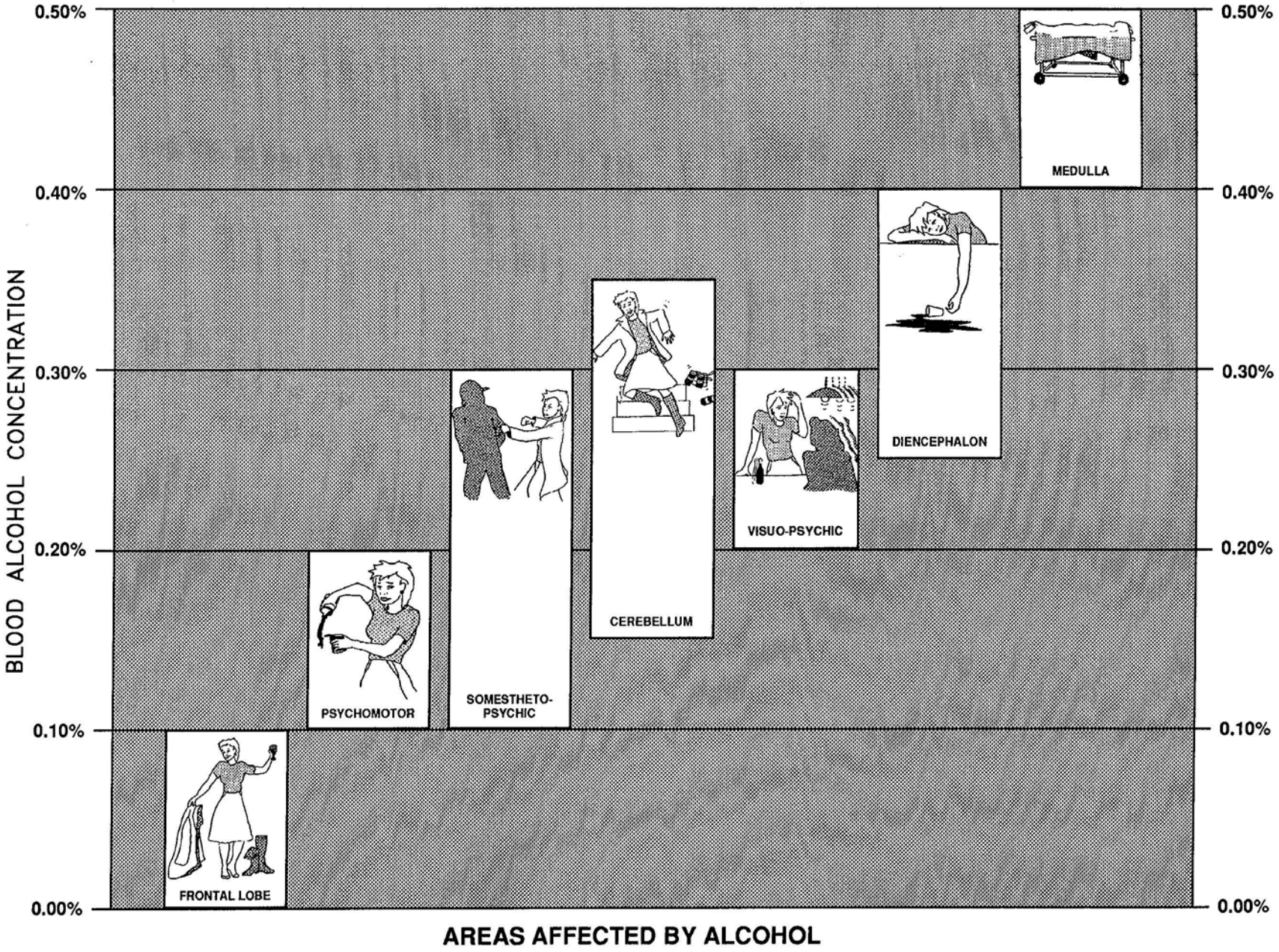
*__Please Note__: This chart represents estimated blood concentrations for the "average" individual. It is not meant to be taken as a guide to alcohol consumption.

**If these drinks were not taken within one hour deduct one drink from the total number of drinks for each hour that elapsed between the first and last drink.

***A drink is defined as one ounce of 100 proof of "hard liquor" (whiskey, vodka, gin, etc.) or twelve ounces of 4% beer or three ounces of fortified wine.

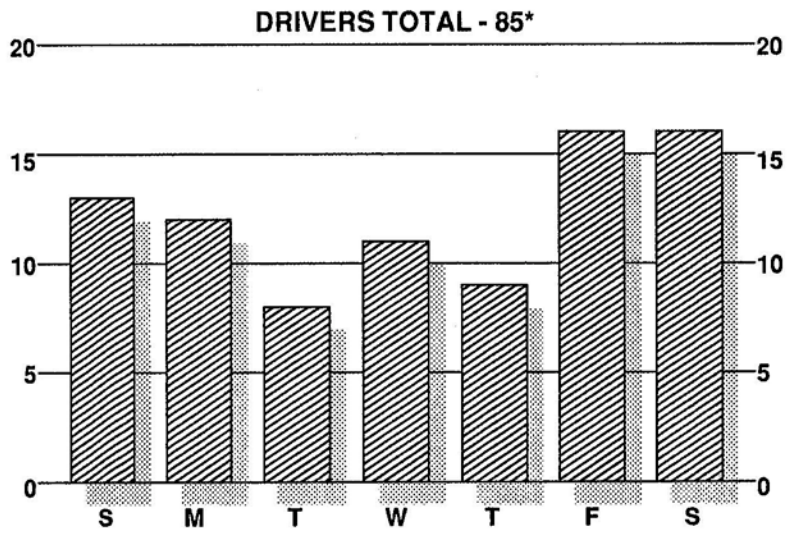
From: General Manual for Chemical Tests for Intoxification, Ohio Department of Health, Alcohol Testing, Approval and Permit Program, 1969, page 19.

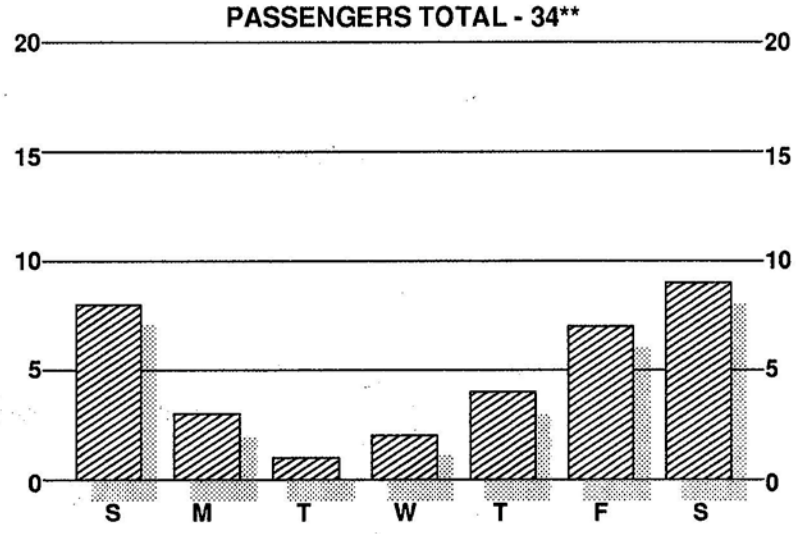
VEHICULAR FATALITIES
ALCOHOL EFFECTS ON BRAIN DEMONSTRATED PICTORIALLY

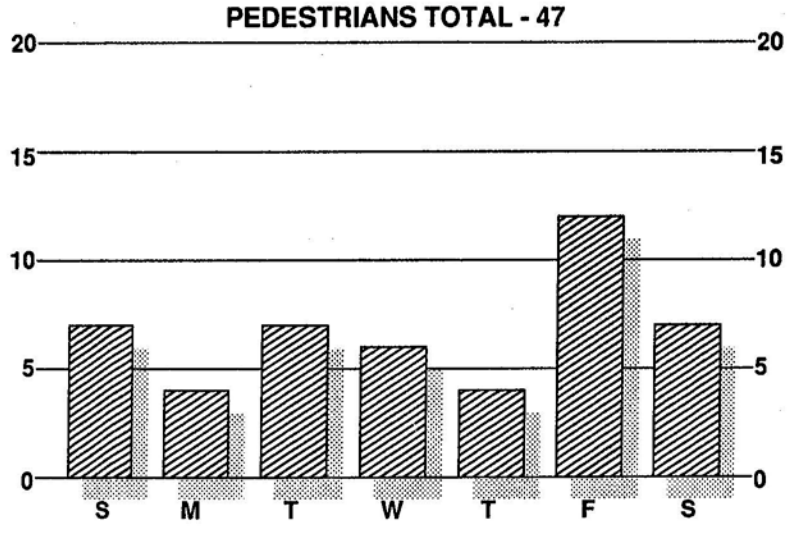


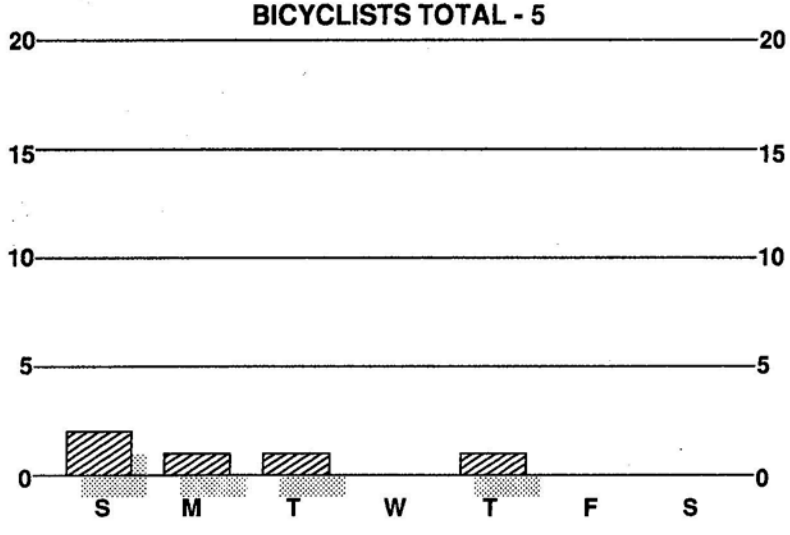
VEHICULAR FATALITIES

DAILY INCIDENCE





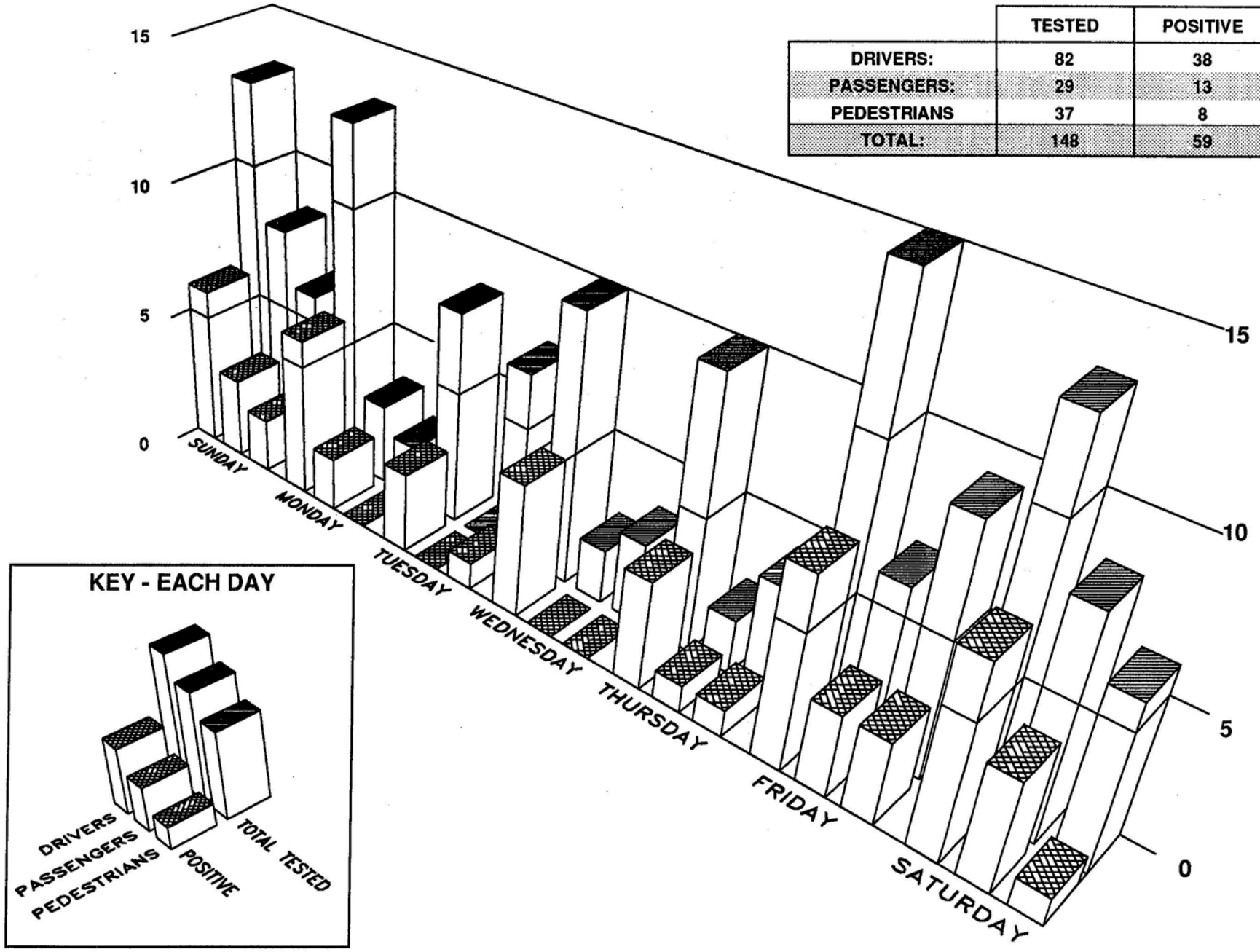




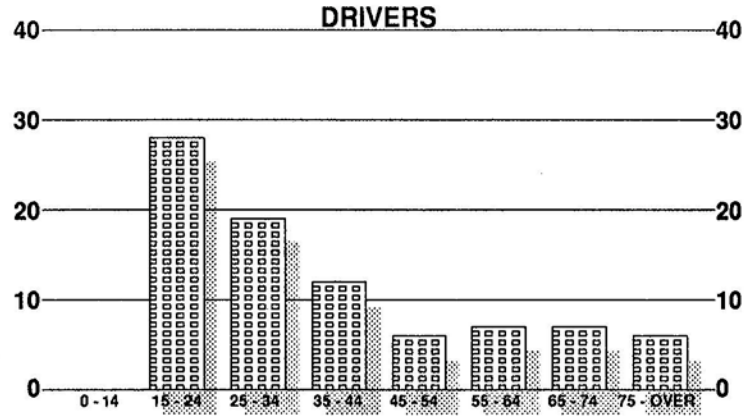
*Includes 20 Motorcyclists
**Includes 5 Motorcycle Passengers

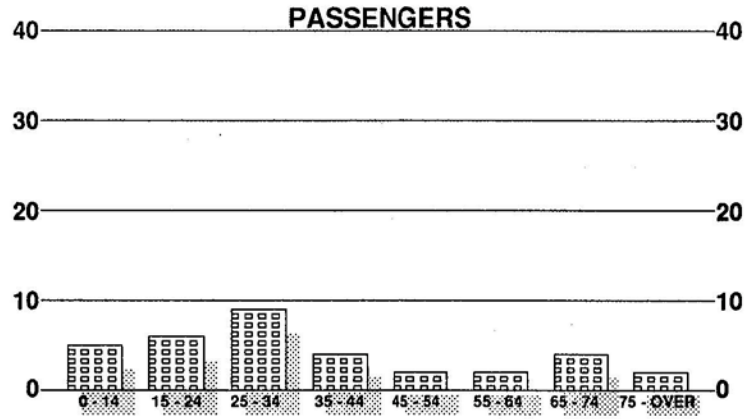
VEHICULAR FATALITIES
DAILY ALCOHOL INCIDENCE

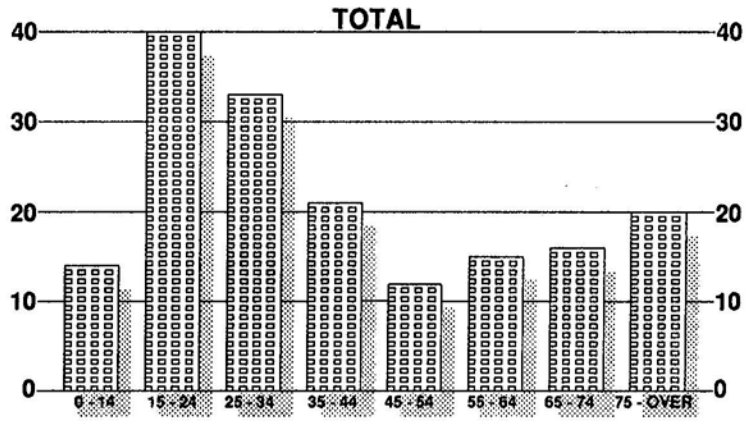
	TESTED	POSITIVE
DRIVERS:	82	38
PASSENGERS:	29	13
PEDESTRIANS	37	8
TOTAL:	148	59

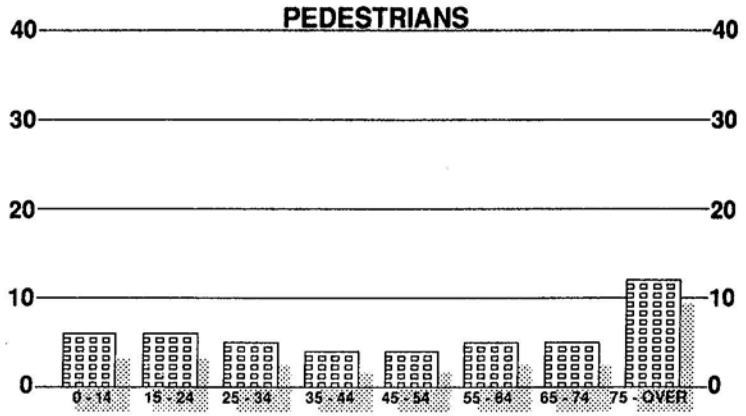


AGE GROUPS - CLASSIFICATION OF VICTIMS









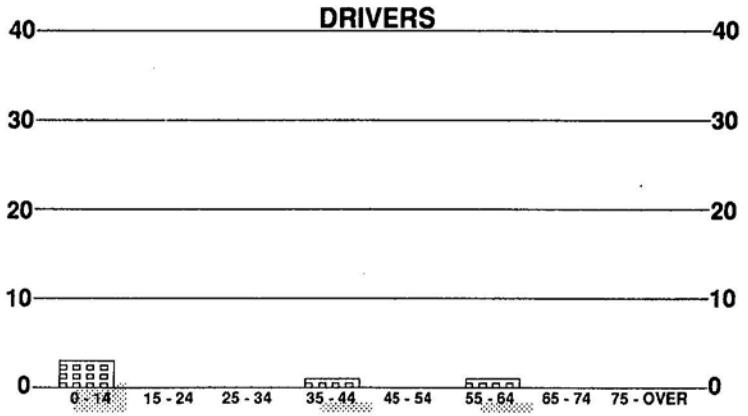


TABLE 33 CLASSIFICATION OF VICTIMS - ALCOHOL INCIDENCE

												NOT TESTED								TESTED						STAGES											
		Total		Cleve.		County		Out of County		Turn-pike		Total		Surv'd Too Long		Under Age		Other		Total		Neg.		Pos.		0.01% 0.04%		0.05% 0.09%		0.10% 0.14%		0.15% 0.19%		0.20% 0.24%		0.25% 0.29%		0.30% or over	
CLASSIFICATION	TOTAL	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
BICYCLIST	5	4	1	2		1		1	1											4	1	3	1	1		1											
DRIVER*	85	73	12	34	3	25	4	14	5			7	1	7	1					66	11	32	8	34	3	3		2	2	8		7	1	6		5		3	
PASSENGER**	34	17	17	9	6	4	5	4	6				5		4		1			17	12	10	6	7	6		1		2	1	1	3	2			2		1	
PEDESTRIAN	47	33	14	14	10	12	2	6	2	1		7	3	5	2	1	1	1		26	11	20	9	6	2					3		1		1	1	1			1
TOTAL	171	127	44	59	19	42	11	25	14	1		14	9	12	7	1	2	1		113	35	65	24	48	11	4	1	2	4	12	1	11	3	7	1	8		4	1

*INCLUDES 20 MOTORCYCLISTS
**iNCLUDES 5 MOTORCYCLE PASSENGERS

TABLE 33A DRIVERS/AGE OF VICTIMS - ALCOHOL INCIDENCE

												NOT TESTED								TESTED						STAGES											
		Total		Cleve.		County		Out of County		Turn-pike		Total		Surv'd Too Long		Under Age		Other		Total		Neg.		Pos.		0.01% 0.04%		0.05% 0.09%		0.10% 0.14%		0.15% 0.19%		0.20% 0.24%		0.25% 0.29%		0.30% or over	
AGE	TOTAL	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
15 - 19	9	7	2	3	1	1		3	1			1		1						6	2	4	1	2	1				1			2					
20 - 24	11	10	1	4		4	1	2					1		1					10		6		4						1			3				
25 - 29	8	6	2	4		2	2													6	2		1	6	1			1		1		1	1	1		2	
30 - 34	4	3	1	2	1	1														3	1			3	1				1			1				1	
35 - 39	4	3	1	1		2			1											3	1	2	1	1								1					
40 - 44	3	2	1	1				1	1			1		1						1	1		1	1												1	
45 - 49	2	2		2								1		1						1				1						1							
50 - 54	4	4		1		2		1												4		3		1										1			
55 - 59	2	2				2														2				2						1			1			
60 - 64	5	4	1	2		2			1			1		1						3	1	2	1	1												1	
65 - 69	4	3	1		1	3														3	1	3	1														
70 - 74	3	2	1	2					1											2	1	2	1														
75 - 79	3	2	1			1	1	1												2	1		1	2		2											
80 - over	3	3		1		1		1												3		3															
TOTAL	65	53	12	23	3	21	4	9	5			4	1	4	1					49	11	25	8	24	3	2		1	2	4		5	1	5		5		2	

MONTHLY ALCOHOL INCIDENCE

TABLE 34

		Total		Cleve.		County		Out of County		Turn-pike		NOT TESTED								TESTED						STAGES											
												Total		Surv'd Too Long		Under Age		Other		Total		Neg.		Pos.		0.01% 0.04%		0.05% 0.09%		0.10% 0.14%		0.15% 0.19%		0.20% 0.24%		0.25% 0.29%		0.30% or over	
MONTH	TOTAL	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
JANUARY	12	9	3	4	3	3		2												9	3	5	2	4	1					1			1	2			1
FEBRUARY	10	8	2	6	1	1	1	1												8	2	5	2	3		1					2						
MARCH	11	6	5	3	3	3	1		1			1	2		1		1	1		5	3	1	2	4	1				1		3			1			
APRIL	9	6	3	3	1	2	1	1	1			1	2	1	1		1			5	1	3		2	1				1		2						
MAY	11	8	3	4	1	2		2	2			3	1	3	1					5	2	3	2	2						2							
JUNE	14	9	5	1	1	5	2	3	2				2		2					9	3	5	2	4	1	2				1		1	1				
JULY	24	19	5	9	3	4	1	6	1			3	2	3	2					16	3	12	2	4	1		1	1		2		1					
AUGUST	14	8	6	3	1	2	2	3	3			2		1		1				6	6	5	4	1	2				1			1	1				
SEPTEMBER	18	14	4	5	2	7		2	2			1		1						13	4	9	3	4	1							1	1			3	
OCTOBER	17	16	1	11	1	3		2				1		1						15	1	4		11	1			1		3	1	1		4		2			
NOVEMBER	14	12	2	3		5		3	2	1		1		1						11	2	8	2	3										2		1	
DECEMBER	17	12	5	7	2	5	3					1		1						11	5	5	3	6	2	1			1	3				1	1	1			
TOTAL	171	127	44	59	19	42	11	25	14	1		14	9	12	7	1	2	1		113	35	65	24	48	11	4	1	2	4	12	1	11	3	7	1	8		4	1

TABLE 35 DAILY ALCOHOL INCIDENCE

		NOT TESTED										TESTED						STAGES													
		Total		Total		Surv'd Too Long		Under Age		Other		Total		Neg.		Pos.		0.01% 0.04%		0.05% 0.09%		0.10% 0.14%		0.15% 0.19%		0.20% 0.24%		0.25% 0.29%		0.30% or Over	
DAY	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
SUNDAY	30	23	7	2	1	2	1					21	6	11	5	10	1	1				3		2	1	4					
MONDAY	20	14	6	1	1	1	1					13	5	6	4	7	1			1	1	3						1		2	
TUESDAY	17	13	4	1	1	1			1			12	3	9	2	3	1					1						2			1
WEDNESDAY	19	16	3	3	1	2		1	1			13	2	8	2	5		1				2						1		1	
THURSDAY	18	13	5		2		2					13	3	8	2	5	1	1				1		2	1			1			
FRIDAY	35	24	11	3	2	3	2					21	9	12	5	9	4		1		2	1		5		2	1	1			
SATURDAY	32	24	8	4	1	3	1			1		20	7	11	4	9	3	1		1	1	1	1	2	1	1		2		1	
TOTAL	171	127	44	14	9	12	7	1	2	1		113	35	65	24	48	11	4	1	2	4	12	1	11	3	7	1	8		4	1

AGE - RACE - ALCOHOL INCIDENCE

TABLE 36

AGE	RACE	TOTAL	Total		NOT TESTED								TESTED						STAGES											
					Total		Surv'd Too Long		Under Age		Other		Total		Neg.		Pos.		0.01% 0.04%		0.05% 0.09%		0.10% 0.14%		0.15% 0.19%		0.20% 0.24%		0.25% 0.29%		0.30% or Over	
			M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Under 1 Year	White																														
	Non-White																														
1 - 4	White	2	1	1									1	1	1	1															
	Non-White	2	1	1	1	1		1			1																				
5 - 9	White	5	3	2	1	2			1	2			2		2																
	Non-White	3	3										3		3																
10 - 14	White	2	1	1									1	1	1	1															
	Non-White																														
15 - 19	White	17	13	4	2	1	2	1					11	3	9	2	2	1				1			1		1				
	Non-White	2	2										2		1		1							1							
20 - 24	White	17	15	2		1		1					15	1	7	1	8		1		1		1		2		3				
	Non-White	4	4		1		1						3		1		2						2								
25 - 29	White	19	14	5	1		1						13	5	4		9	5		1		1	4	1	3	2	1		1		
	Non-White	3	2	1									2	1		1	2				1							1			
30 - 34	White	9	8	1									8	1	2		6	1							1	1	1		3		1	
	Non-White	2	1	1									1	1	1			1				1									
35 - 39	White	10	8	2	1	1	1	1					7	1	2	1	5		1						1				1		2	
	Non-White	2	1	1									1	1			1	1							1							1
40 - 44	White	4	2	2	1	1	1	1					1	1		1	1														1	
	Non-White	5	3	2	1		1						2	2	1		1	2				1	1					1				
45 - 49	White	1	1										1		1																
	Non-White	2	2		1		1						1				1						1								
50 - 54	White	7	7										7		6		1												1		
	Non-White	2	1	1									1	1	1	1															
55 - 59	White	3	2	1									2	1	1	1	1										1				
	Non-White	4	3	1									3	1	1	1	2						1		1						
60 - 64	White	5	5		1		1						4		3		1						1								
	Non-White	3	2	1	1		1						1	1		1	1												1			
65 - 69	White	6	4	2									4	2	4	2															
	Non-White	1		1		1		1																								
70 - 74	White	8	6	2	1		1						5	2	5	2															
	Non-White	1	1										1		1																
75 - 79	White	11	5	6		1		1					5	5	2	5	3		2				1								
	Non-White																														
80 - over	White	9	6	3	1		1						5	3	5	3															
	Non-White																														
TOTAL	White	135	101	34	9	7	8	5	1	2			92	27	55	20	37	7	4	1	1	2	7	1	8	3	7		6		4	
	Non-White	36	26	10	5	2	4	2			1		21	8	10	4	11	4			1	2	5		3			1	2			1
GRAND TOTAL		171	127	44	14	9	12	7	1	2	1		113	35	65	24	48	11	4	1	2	4	12	1	11	3	7	1	8		4	1

TABLE 37 TYPE OF ACCIDENT - ALCOHOL INCIDENCE

												NOT TESTED								TESTED						STAGES											
		Total		Cleve.		County		Out of County		Turn-pike		Total		Surv'd Too Long		Under Age		Other		Total		Neg.		Pos.		0.01% 0.04%		0.05% 0.09%		0.10% 0.14%		0.15% 0.19%		0.20% 0.24%		0.25% 0.29%		0.30% or over	
TYPE	TOTAL	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
NON-TRAFFIC:																																					
Collision	3	1	2		2			1												1	2	1	1		1									1			
Non-collision	1	1						1				1		1																							
TOTAL	4	2	2		2			2				1		1						1	2	1	1		1									1			
TRAFFIC:																																					
Collision	163	121	42	59	17	39	11	22	14	1		12	9	10	7	1	2	1		109	33	63	23	46	10	4	1	2	4	11	1	11	3	6		8		4	1
Non-collision	4	4				3		1				1		1						3		1		2						1				1				
TOTAL	167	125	42	59	17	42	11	23	14	1		13	9	11	7	1	2	1		112	33	64	23	48	10	4	1	2	4	12	1	11	3	7		8		4	1
TOTALS																																					
Non-traffic	4	2	2		2			2				1		1						1	2	1	1		1									1			
Traffic	167	125	42	59	17	42	11	23	14	1		13	9	11	7	1	2	1		112	33	64	23	48	10	4	1	2	4	12	1	11	3	7		8		4	1
TOTAL	171	127	44	59	19	42	11	25	14	1		14	9	12	7	1	2	1		113	35	65	24	48	11	4	1	2	4	12	1	11	3	7	1	8		4	1

NON-TRAFFIC ALCOHOL INCIDENCE — TABLE 38

TYPE	TOTAL	Total		Cleve.		County		Out of County		Turn-pike		NOT TESTED								TESTED						STAGES											
												Total		Surv'd Too Long		Under Age		Other		Total		Neg.		Pos.		0.01% 0.04%		0.05% 0.09%		0.10% 0.14%		0.15% 0.19%		0.20% 0.24%		0.25% 0.29%		0.30% or over	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
COLLISION:																																			
Auto - Pedestrian																																			
Pedestriaan on driveway struck by auto.	2		2		2																2		1		1								1		
Truck - Pedestrian																																			
Pedestrian in parking lot struck by truck.	1	1						1												1		1														
NON-COLLISION:																																			
Motorcycle overturned in park.	1	1						1				1		1																						
TOTAL	4	2	2		2			2				1		1						1	2	1	1		1								1			

TABLE 39 TRAFFIC - COLLISION - ALCOHOL INCIDENCE

TYPE	TOTAL	Total		Cleve.		County		Out of County		Turn-pike		NOT TESTED								TESTED						STAGES													
												Total		Surv'd Too Long		Under Age		Other		Total		Neg.		Pos.		0.01% 0.04%		0.05% 0.09%		0.10% 0.14%		0.15% 0.19%		0.20% 0.24%		0.25% 0.29%		0.30% or over	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
PEDESTRIANS																																					
Bus	1	1				1														1		1															
Auto	34	26	8	11	6	11		4	2			6	3	4	2	1	1	1		20	5	15	4	5	1					3		1		1			1
Truck	9	5	4	3	2		2	1		1		1		1						4	4	3	4	1										1			
AUTO - AUTO																																					
Driver	21	18	3	9		7	2	2	1			1	1	1	1					17	2	14	1	3	1	1				1			1	1			
Passenger	12	6	6	3	2	2	1	1	3				2		2					6	4	3	3	3	1						1	1			1		
AUTO - BICYCLE																																					
Bicyclist	3	3		1		1		1												3		2		1		1											
AUTO - BUS																																					
Driver	1	1				1														1		1															
AUTO - FIXED OBJECT																																					
Driver	21	18	3	10	2	6		2	1			1		1						17	3	1	1	16	2	1			2	3		4		3		3		2	
Passenger	4	4		2		1		1												4		1		3						1		1			1		
AUTO - MOTORCYCLE																																					
Motorcyclist	6	6		3				3												6		4		2						2							
Passenger	1	1						1												1		1															
AUTO - TRUCK																																					
Driver	16	10	6	3	1	3	2	4	3			1		1						9	6	6	6	3				1						2			
Passenger	10	3	7	2	2	1	2		3				3		2		1			3	4	3	3		1				1								
MOTORCYCLE - FIXED OBJECT																																					
Motorcyclist	11	11		8		2		1				2		2						9		3		6		1		1		1		1		1			
Passenger	3	1	2	1	1		1													1	2			1	2		1		1		1					
TRUCK - BICYCLE																																					
Bicyclist	2	1	1	1					1											1	1	1	1														
TRUCK - FIXED OBJECT																																					
Driver	2	2				2														2		1		1						1							
Passenger	3	2	1	1	1			1												2	1	2			1						1						
TRUCK - MOTORCYCLE																																					
Motorcyclist	1	1				1														1				1						1							
Passenger	1		1				1														1				1						1						
TRUCK - TRUCK																																					
Driver	1	1		1																1		1															
TOTAL	163	121	42	59	17	39	11	22	14	1		12	9	10	7	1	2	1		109	33	63	23	46	10	4	1	2	4	11	1	11	3	6		8		4	1

TRAFFIC - COLLISION - ALCOHOL INCIDENCE (ALL DRIVERS) — TABLE 39A

		Total		Cleve.		County		Out of County		Turn-pike		NOT TESTED								TESTED						STAGES											
												Total		Surv'd Too Long		Under Age		Other		Total		Neg.		Pos.		0.01% 0.04%		0.05% 0.09%		0.10% 0.14%		0.15% 0.19%		0.20% 0.24%		0.25% 0.29%		0.30% or over	
TYPE	TOTAL	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
AUTO - AUTO Driver	21	18	3	9		7	2	2	1			1	1	1	1					17	2	14	1	3	1	1				1			1	1			
AUTO - BICYCLE Bicyclist	3	3		1		1		1												3		2		1		1											
AUTO - BUS Driver	1	1				1														1		1															
AUTO - FIXED OBJECT Driver	21	18	3	10	2	6		2	1			1		1						17	3	1	1	16	2	1			2	3		4		3		3		2	
AUTO - MOTORCYCLE Motorcyclist	6	6		3				3												6		4		2						2							
AUTO - TRUCK Driver	16	10	6	3	1	3	2	4	3			1		1						9	6	6	6	3				1						2			
MOTORCYCLE - FIXED OBJECT Motorcyclist	11	11		8		2		1				2		2						9		3		6		1		1		1		1				1	
TRUCK - BICYCLE Bicyclist	2	1	1	1					1											1	1	1	1														
TRUCK - FIXED OBJECT Driver	2	2				2														2		1		1						1							
TRUCK - MOTORCYCLE Motorcyclist	1	1				1														1				1						1							
TRUCK - TRUCK Driver	1	1		1																1		1															
TOTAL	85	72	13	36	3	23	4	13	6			5	1	5	1					67	12	34	9	33	3	4		2	2	7		7	1	5		5		3	

TABLE 39B TRAFFIC - COLLISION - ALCOHOL INCIDENCE (PEDESTRIANS)

												NOT TESTED								TESTED						STAGES											
		Total		Cleve.		County		Out of County		Turn-pike		Total		Surv'd Too Long		Under Age		Other		Total		Neg.		Pos.		0.01% 0.04%		0.05% 0.09%		0.10% 0.14%		0.15% 0.19%		0.20% 0.24%		0.25% 0.29%		0.30% or over	
TYPE	TOTAL	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
PEDESTRIAN:																																					
BUS	1	1				1														1		1															
AUTO	34	26	8	11	6	11		4	2			6	3	4	2	1	1	1		20	5	15	4	5	1					3		1		1			1
TRUCK	9	5	4	3	2		2	1		1		1		1						4	4	3	4	1										1			
TOTAL	44	32	12	14	8	12	2	5	2	1		7	3	5	2	1	1	1		25	9	19	8	6	1					3		1		1		1			1

TABLE 39C TRAFFIC - COLLISION - ALCOHOL INCIDENCE (PASSENGERS)

												NOT TESTED								TESTED						STAGES											
		Total		Cleve.		County		Out of County		Turn-pike		Total		Surv'd Too Long		Under Age		Other		Total		Neg.		Pos.		0.01% 0.04%		0.05% 0.09%		0.10% 0.14%		0.15% 0.19%		0.20% 0.24%		0.25% 0.29%		0.30% or over	
TYPE	TOTAL	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
PASSENGER:																																					
AUTO - AUTO	12	6	6	3	2	2	1	1	3				2		2					6	4	3	3	3	1						1	1			1		1	
AUTO - FIXED OBJECT	4	4		2		1		1												4		1		3						1		1			1			
AUTO - MOTORCYCLE	1	1						1												1		1															
AUTO - TRUCK	10	3	7	2	2	1	2		3				3		2		1			3	4	3	3		1				1									
MOTORCYCLE - FIXED OBJECT	3	1	2	1	1		1													1	2			1	2		1		1		1						
TRUCK - FIXED OBJECT	3	2	1	1	1			1												2	1	2			1								1					
TRUCK - MOTORCYCLE	1		1				1														1				1								1				
TOTAL	34	17	17	9	6	4	5	4	6				5		4		1			17	12	10	6	7	6		1		2	1	1	3	2			2		1	

TRAFFIC - NON-COLLISION - ALCOHOL INCIDENCE — TABLE 40

TYPE	TOTAL	Total		Cleve.		County		Out of County		Turn-pike		NOT TESTED								TESTED						STAGES											
												Total		Surv'd Too Long		Under Age		Other		Total		Neg.		Pos.		0.01% 0.04%		0.05% 0.09%		0.10% 0.14%		0.15% 0.19%		0.20% 0.24%		0.25% 0.29%		0.30% or over	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
OVERTURNED:																																			
Auto (Camper trailer) - Driver	1	1				1						1		1																						
RAN OFF ROADWAY:																																			
Auto - Driver	1	1				1														1				1								1			
RAN OFF ROADWAY AND OVERTURNED:																																			
Truck - Driver	2	2				1		1												2		1		1						1					
TOTAL	4	4				3		1				1		1						3		1		2						1			1			

VEHICULAR FATALITIES WHILE AT WORK

TABLE 41 TRAFFIC AND NON-TRAFFIC - MONTHLY ALCOHOL INCIDENCE

												NOT TESTED								TESTED				STAGES													
		Total		Cleve.		County		Out of County		Turn-pike		Total		Surv'd Too Long		Under Age		Other		Total		Neg.		Pos.		0.01% 0.04%		0.05% 0.09%		0.10% 0.14%		0.15% 0.19%		0.20% 0.24%		0.25% 0.29%		0.30% or over	
MONTH	TOTAL	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
MARCH	1	1				1														1		1																
NOVEMBER	1	1				1														1		1																
TOTAL	2	2				2														2		2																

TABLE 42 WEATHER CONDITIONS - ALCOHOL INCIDENCE

												NOT TESTED								TESTED				STAGES													
		Total		Cleve.		County		Out of County		Turn-pike		Total		Surv'd Too Long		Under Age		Other		Total		Neg.		Pos.		0.01% 0.04%		0.05% 0.09%		0.10% 0.14%		0.15% 0.19%		0.20% 0.24%		0.25% 0.29%		0.30% or over	
WEATHER	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
CLEAR	144	107	37	52	15	35	8	19	14	1		12	8	10	6	1	2	1		95	29	53	23	42	6	3		1	2	10		10	3	7		7		4	1
CLOUDY	1		1				1														1				1				1								
RAIN	18	13	5	6	4	6	1	1					1		1					13	4	8		5	4	1	1	1	1	2	1				1	1			
SNOW	3	2	1	1			1	1												2	1	2	1															
UNKNOWN	5	5				1		4				2		2						3		2		1							1							
TOTAL	171	127	44	59	19	42	11	25	14	1		14	9	12	7	1	2	1		113	35	65	24	48	11	4	1	2	4	12	1	11	3	7	1	8		4	1

ROAD CONDITIONS - ALCOHOL INCIDENCE — TABLE 43

												NOT TESTED								TESTED						STAGES											
		Total		Cleve.		County		Out of County		Turn-pike		Total		Surv'd Too Long		Under Age		Other		Total		Neg.		Pos.		0.01% 0.04%		0.05% 0.09%		0.10% 0.14%		0.15% 0.19%		0.20% 0.24%		0.25% 0.29%		0.30% or over	
ROAD	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
DRY	12	95	31	45	12	31	5	18	14	1		10	7	8	5	1	2	1		85	24	49	18	36	6	3		1	2	8		9	3	6		5		4	1
ICE	3	1	2		1	1	1													1	2		2	1		1												
SNOW	3	1	2	1	1		1													1	2	1			2				1					1				
WET	34	25	9	13	5	9	4	3				2	2	2	2					23	7	13	4	10	3		1	1	1	4	1	1		1		3			
UNKNOWN	5	5				1		4				2		2						3		2		1								1						
TOTAL	171	127	44	59	19	42	11	25	14	1		14	9	12	7	1	2	1		113	35	65	24	48	11	4	1	2	4	12	1	11	3	7	1	8		4	1

VEHICULAR FATALITIES

LIGHT CONDITIONS - ALCOHOL INCIDENCE — TABLE 44

												NOT TESTED								TESTED						STAGES											
		Total		Cleve.		County		Out of County		Turn-pike		Total		Surv'd Too Long		Under Age		Other		Total		Neg.		Pos.		0.01% 0.04%		0.05% 0.09%		0.10% 0.14%		0.15% 0.19%		0.20% 0.24%		0.25% 0.29%		0.30% or over	
LIGHT	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
DAWN	3	1	2	1	1		1													1	2	1	2														
DAY	66	43	23	17	7	14	6	12	10			4	6	3	4	1	2			39	17	32	15	7	2	2		1	1	1		1	1	1		1			
DUSK	4	3	1	1		1		1	1											3	1	3	1														
NIGHT WITH STREET LIGHTS	81	64	17	38	11	22	4	4	2			5	3	4	4			1		59	14	20	5	39	9	2	1	1	3	10	1	9	2	6	1	7		4	1
NIGHT WITHOUT STREET LIGHTS	13	12	1	2		4		5	1	1		3		3						9	1	8	1	1						1								
UNKNOWN	4	4				1		3				2		2						2		1		1								1						
TOTAL	171	127	44	59	19	42	11	25	14	1		14	9	12	7	1	2	1		113	35	65	24	48	11	4	1	2	4	12	1	11	3	7	1	8		4	1

TABLE 45 CLASSIFICATION OF VICTIMS - AGE GROUPS

CLASSIFICATION	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	
BICYCLIST					2		1										1								1										4	1	5
DRIVER									7	2	10	1	6	2	3	1	3	1	2	1	2		4		2		4	1	3	1	2	1	2	1	3		53	12	65
CYCLIST DRIVER									2		6		6		1		3		2																20		20
PASSENGER					2	1		1	2	2	1		2	1	2	1	1	1		2			1	1	1	1			1	1	2			1		1	15	14	29
PEDESTRIAN			1	2	2	1			4		1	1	2		3		1	1	1	1	1		3		2		3			1	3	1	3	4	3	2	33	14	47
PASSENGER ON MOTORCYCLE			1								1			3																						2	3	5
TOTAL			2	2	6	2	1	1	15	4	19	2	16	6	9	2	9	3	5	4	3		8	1	5	2	7	1	4	3	7	2	5	6	6	3	127	44	171

TABLE 46 MONTH AND AGE GROUPS

MONTH	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	
JANUARY					1		1				2		1		2			1					1									2	1		9	3	12
FEBRUARY					1				1		2				1		1							1	1					1			1			8	2	10
MARCH			1			1			2			1		1	1		1	1									1			1						6	5	11
APRIL						1					1	1	3			1			1		1															6	3	9
MAY									1	1			2						1		1						1				1	1		1	1		8	3	11
JUNE									3	1	1		2	1						1			1		1	1						1	1				9	5	14
JULY			1	2	1				1		6		1	1				1	1						2		1		2	1			1		2		19	5	24
AUGUST					2			1		1			2	1			2									1		1			1		1			1	8	6	14
SEPTEMBER					1				2	1	2		1			1	3		1	1			2				1		1						1	14	4	18
OCTOBER									3		3		2	1	2		1		1		1		1				1				1						16	1	17
NOVEMBER									2		1		2		2								1				1		1		1	1			1	1	12	2	14
DECEMBER											1			1	1		1			2			2		1		1			1	2		2	1	1		12	5	17
TOTAL			2	2	6	2	1	1	15	4	19	2	16	6	9	2	9	3	5	4	3		8	1	5	2	7	1	4	3	7	2	5	6	6	3	127	44	171

AUTOPSIES - VEHICULAR FATALITIES

MONTH AND AGE GROUPS — TABLE 47

MONTH	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	
JANUARY					1		1				2		1		2			1					1						1				1	2	1	10	4	14
FEBRUARY					1				1		2				1		1							1	1					1			2			8	3	11
MARCH			1			1			2			1		1	1		1	1			1						1				1					7	5	12
APRIL						1					1	1	2			1			1		1						1									6	3	9
MAY									1	1			3								2						1				1	1		1	1		9	3	12
JUNE									3		1		2	1									1		1	1							1	1			9	3	12
JULY			1	1	1				1		4		1	1					1	1					1		1		2				1		1		15	3	18
AUGUST				1	2					1	2		2	1			1	1							1	1		1		1			1			1	9	8	17
SEPTEMBER					1			1	1	1	2		1			1	2		1	2			2						1		1				1	1	13	6	19
OCTOBER									4		3		2	1	2		3		1		1		1				1				1						19	1	20
NOVEMBER									2		1		2		2		1						1				2		1		1	1			1	1	14	2	16
DECEMBER											1			1	1		1			2			1				1			1	2		2	1			9	5	14
TOTAL			2	2	6	2	1	1	15	3	19	2	16	6	9	2	10	3	4	5	5		7	1	4	2	8	1	4	4	7	2	5	6	6	4	128	46	174

TABLE 48

MAJOR INJURY AND SURVIVAL INTERVAL

D.O.A. - Dead on arrival.
*Includes 20 motorcyclists
**Includes 5 motorcycle passengers

MAJOR INJURY	BICYCLIST						DRIVER*						PASSENGER**						PEDESTRIAN						TOTAL					
	TOTAL	D.O.A. AT HOSPITAL	LESS THAN 12 HOURS	12 – 24 HOURS	1 – 7 DAYS	8 DAYS OR MORE	TOTAL	D.O.A. AT HOSPITAL	LESS THAN 12 HOURS	12 – 24 HOURS	1 – 7 DAYS	8 DAYS OR MORE	TOTAL	D.O.A. AT HOSPITAL	LESS THAN 12 HOURS	12 – 24 HOURS	1 – 7 DAYS	8 DAYS OR MORE	TOTAL	D.O.A. AT HOSPITAL	LESS THAN 12 HOURS	12 – 24 HOURS	1 – 7 DAYS	8 DAYS OR MORE	TOTAL	D.O.A. AT HOSPITAL	LESS THAN 12 HOURS	12 – 24 HOURS	1 – 7 DAYS	8 DAYS OR MORE
To Brain:																														
With Fracture of Skull only							14	6	4		2	2	3	1	2				4		2		2		21	7	8		4	2
With Fracture of Skull and Body Fractures																			3		2			1	3		2			1
Without Fracture of Skull	1		1				9		3		3	3	1		1				1					1	12		5		3	4
TOTAL	1		1				23	6	7		5	5	4	1	3				8		4		2	2	36	7	15		7	7
To Spinal Cord:																														
With Fracture of Vertebra																														
TOTAL																														
To Chest:																														
With Fracture of Thoracic Cage																														
Without Fracture of Thoracic Cage																														
TOTAL																														
To Extremities:																														
TOTAL							1					1	1				1								2				1	1
Multiple Injuries:																														
To Head and Trunk	2		2				19	5	12			2	5	3			1	1	8	2	5			1	34	10	19		1	4
To Head, Trunk and Extremities	2		2				21	8	11		1	1	16	6	9		1		26	5	13		6	2	65	19	35		8	3
To Trunk							18	5	12			1	6	2	4				2		2				26	7	18			1
To Trunk and Extremities							2	2					2					2	3		1			2	7	2	1			4
TOTAL	4		4				60	20	35		1	4	29	11	13		2	3	39	7	21		6	5	132	38	73		9	12
Miscellaneous Injuries:																														
TOTAL							1	1																	1	1				
GRAND TOTAL	5		5				85	27	42		6	10	34	12	16		3	3	47	7	25		8	7	171	46	88		17	20

MAJOR INJURY signifies most severe injury to which death is attributed and is not to be construed as the only injury.
MULTIPLE INJURY signifies those cases in which injury to chest and abdomen or to trunk and extremities was so severe that no one injury could be assigned as the cause of death
MISCELLANEOUS INJURY signifies burns, carbon monoxide intoxification, drowning and traumatic asphyxia.

VEHICULAR FATALITIES

MAJOR INJURY AND SURVIVAL INTERVAL - AGE GROUPS (BICYCLIST - DRIVER - PASSENGER - PEDESTRIAN) TABLE 49

AGE	BRAIN TOTAL	BRAIN D.O.A. AT HOSPITAL	BRAIN LESS THAN 12 HOURS	BRAIN 12 – 24 HOURS	BRAIN 1 – 7 DAYS	BRAIN 8 DAYS OR MORE	SPINAL CORD TOTAL	SPINAL CORD D.O.A. AT HOSPITAL	SPINAL CORD LESS THAN 12 HOURS	SPINAL CORD 12 – 24 HOURS	SPINAL CORD 1 – 7 DAYS	SPINAL CORD 8 DAYS OR MORE	CHEST TOTAL	CHEST D.O.A. AT HOSPITAL	CHEST LESS THAN 12 HOURS	CHEST 12 – 24 HOURS	CHEST 1 – 7 DAYS	CHEST 8 DAYS OR MORE	ABDOMEN TOTAL	ABDOMEN D.O.A. AT HOSPITAL	ABDOMEN LESS THAN 12 HOURS	ABDOMEN 12 – 24 HOURS	ABDOMEN 1 – 7 DAYS	ABDOMEN 8 DAYS OR MORE
UNDER 1 YEAR																								
1 - 4	1				1																			
5 - 9	2		2																					
10 - 14																								
15 - 19	5		3		1	1																		
20 - 24	10	3	3		2	2																		
25 - 29	2	1	1																					
30 - 34	4	1	2		1																			
35 - 39	2	1				1																		
40 - 44	2	1	1																					
45 - 49																								
50 - 54	1		1																					
55 - 59																								
60 - 64	3		1		1	1																		
65 - 69																								
70 - 74	1				1																			
75 - 79	2		1			1																		
80 - OVER	1					1																		
TOTAL	36	7	15		7	7																		

AGE	EXTREMITIES TOTAL	EXTREMITIES D.O.A. AT HOSPITAL	EXTREMITIES LESS THAN 12 HOURS	EXTREMITIES 12 – 24 HOURS	EXTREMITIES 1 – 7 DAYS	EXTREMITIES 8 DAYS OR MORE	MULTIPLE INJURIES TOTAL	MULTIPLE INJURIES D.O.A. AT HOSPITAL	MULTIPLE INJURIES LESS THAN 12 HOURS	MULTIPLE INJURIES 12 – 24 HOURS	MULTIPLE INJURIES 1 – 7 DAYS	MULTIPLE INJURIES 8 DAYS OR MORE	MISCELLANEOUS TOTAL	MISCELLANEOUS D.O.A. AT HOSPITAL	MISCELLANEOUS LESS THAN 12 HOURS	MISCELLANEOUS 12 – 24 HOURS	MISCELLANEOUS 1 – 7 DAYS	MISCELLANEOUS 8 DAYS OR MORE	TOTAL TOTAL	TOTAL D.O.A. AT HOSPITAL	TOTAL LESS THAN 12 HOURS	TOTAL 12 – 24 HOURS	TOTAL 1 – 7 DAYS	TOTAL 8 DAYS OR MORE
UNDER 1 YEAR																								
1 - 4							3		2		1								4		2		2	
5 - 9							6	2	4										8	2	6			
10 - 14							2		1		1								2		1		1	
15 - 19							13	4	7		2		1	1					19	5	10		3	1
20 - 24							11	5	4		1	1							21	8	7		3	3
25 - 29							20	10	8		1	1							22	11	9		1	1
30 - 34							7	6	1										11	7	3		1	
35 - 39							10	3	6			1							12	4	6			2
40 - 44							7	2	1		1	3							9	3	2		1	3
45 - 49							3		2			1							3		2			1
50 - 54							8	2	6										9	2	7			
55 - 59							7	1	6										7	1	6			
60 - 64	1					1	4		3			1							8		4		1	3
65 - 69							7	3	3			1							7	3	3			1
70 - 74	1				1		7		5		1	1							9		5		3	1
75 - 79							9		7		1	1							11		8		1	2
80 - OVER							8		7			1							9		7			2
TOTAL	2				1	1	132	38	73		9	12	1	1					171	46	88		17	20

VEHICULAR FATALITIES

TABLE 50 MAJOR INJURY AND SURVIVAL INTERVAL - AGE GROUPS (DRIVERS)

AGE	BRAIN						SPINAL CORD						CHEST						ABDOMEN					
	TOTAL	D.O.A. AT HOSPITAL	LESS THAN 12 HOURS	12 – 24 HOURS	1 – 7 DAYS	8 DAYS OR MORE	TOTAL	D.O.A. AT HOSPITAL	LESS THAN 12 HOURS	12 – 24 HOURS	1 – 7 DAYS	8 DAYS OR MORE	TOTAL	D.O.A. AT HOSPITAL	LESS THAN 12 HOURS	12 – 24 HOURS	1 – 7 DAYS	8 DAYS OR MORE	TOTAL	D.O.A. AT HOSPITAL	LESS THAN 12 HOURS	12 – 24 HOURS	1 – 7 DAYS	8 DAYS OR MORE
UNDER 1 YEAR																								
1 - 4																								
5 - 9																								
10 - 14																								
15 - 19	3		2		1																			
20 - 24	10	3	3		2	2																		
25 - 29	1		1																					
30 - 34	1	1																						
35 - 39	2	1				1																		
40 - 44	2	1	1																					
45 - 49																								
50 - 54																								
55 - 59																								
60 - 64	2				1	1																		
65 - 69																								
70 - 74	1				1																			
75 - 79																								
80 - OVER	1					1																		
TOTAL	23	6	7		5	5																		

AGE	EXTREMITIES						MULTIPLE INJURIES						MISCELLANEOUS						TOTAL					
	TOTAL	D.O.A. AT HOSPITAL	LESS THAN 12 HOURS	12 – 24 HOURS	1 – 7 DAYS	8 DAYS OR MORE	TOTAL	D.O.A. AT HOSPITAL	LESS THAN 12 HOURS	12 – 24 HOURS	1 – 7 DAYS	8 DAYS OR MORE	TOTAL	D.O.A. AT HOSPITAL	LESS THAN 12 HOURS	12 – 24 HOURS	1 – 7 DAYS	8 DAYS OR MORE	TOTAL	D.O.A. AT HOSPITAL	LESS THAN 12 HOURS	12 – 24 HOURS	1 – 7 DAYS	8 DAYS OR MORE
UNDER 1 YEAR																								
1 - 4																								
5 - 9																								
10 - 14																								
15 - 19							7	1	6				1	1					11	2	8		1	
20 - 24							7	3	2		1	1							17	6	5		3	3
25 - 29							13	7	6										14	7	7			
30 - 34							4	3	1										5	4	1			
35 - 39							5	1	4										7	2	4			1
40 - 44							3		1			2							5	1	2			2
45 - 49							2		1			1							2		1			1
50 - 54							4	1	3										4	1	3			
55 - 59							2	1	1										2	1	1			
60 - 64	1					1	2		2										5		2		1	2
65 - 69							4	3	1										4	3	1			
70 - 74							2		2										3		2		1	
75 - 79							3		3										3		3			
80 - OVER							2		2										3		2			1
TOTAL	1					1	60	20	35		1	4	1	1					85	27	42		6	10

VEHICULAR FATALITIES

MAJOR INJURY AND SURVIVAL INTERVAL - AGE GROUPS (PASSENGER) TABLE 51

AGE	BRAIN						SPINAL CORD						CHEST						ABDOMEN					
	TOTAL	D.O.A. AT HOSPITAL	LESS THAN 12 HOURS	12 - 24 HOURS	1 - 7 DAYS	8 DAYS OR MORE	TOTAL	D.O.A. AT HOSPITAL	LESS THAN 12 HOURS	12 - 24 HOURS	1 - 7 DAYS	8 DAYS OR MORE	TOTAL	D.O.A. AT HOSPITAL	LESS THAN 12 HOURS	12 - 24 HOURS	1 - 7 DAYS	8 DAYS OR MORE	TOTAL	D.O.A. AT HOSPITAL	LESS THAN 12 HOURS	12 - 24 HOURS	1 - 7 DAYS	8 DAYS OR MORE
UNDER 1 YEAR																								
1 - 4																								
5 - 9																								
10 - 14																								
15 - 19	1		1																					
20 - 24																								
25 - 29	1	1																						
30 - 34	1		1																					
35 - 39																								
40 - 44																								
45 - 49																								
50 - 54	1		1																					
55 - 59																								
60 - 64																								
65 - 69																								
70 - 74																								
75 - 79																								
80 - OVER																								
TOTAL	4	1	3																					

AGE	EXTREMITIES						MULTIPLE INJURIES						MISCELLANEOUS						TOTAL					
	TOTAL	D.O.A. AT HOSPITAL	LESS THAN 12 HOURS	12 - 24 HOURS	1 - 7 DAYS	8 DAYS OR MORE	TOTAL	D.O.A. AT HOSPITAL	LESS THAN 12 HOURS	12 - 24 HOURS	1 - 7 DAYS	8 DAYS OR MORE	TOTAL	D.O.A. AT HOSPITAL	LESS THAN 12 HOURS	12 - 24 HOURS	1 - 7 DAYS	8 DAYS OR MORE	TOTAL	D.O.A. AT HOSPITAL	LESS THAN 12 HOURS	12 - 24 HOURS	1 - 7 DAYS	8 DAYS OR MORE
UNDER 1 YEAR																								
1 - 4							1		1										1		1			
5 - 9							3	2	1										3	2	1			
10 - 14							1				1								1				1	
15 - 19							3	1	1		1								4	1	2		1	
20 - 24							2	2											2	2				
25 - 29							5	3	2										6	4	2			
30 - 34							2	2											3	2	1			
35 - 39							2		1			1							2		1			1
40 - 44							2	1				1							2	1				1
45 - 49																								
50 - 54							1		1										2		2			
55 - 59							2		2										2		2			
60 - 64																								
65 - 69							2		1			1							2		1			1
70 - 74	1				1		1		1										2		1		1	
75 - 79							1		1										1		1			
80 - OVER							1		1										1		1			
TOTAL	1				1		29	11	13		2	3							34	12	16		3	3

VEHICULAR FATALITIES

TABLE 52 MAJOR INJURY AND SURVIVAL INTERVAL - AGE GROUPS (PEDESTRIAN)

AGE	BRAIN						SPINAL CORD						CHEST						ABDOMEN					
	TOTAL	D.O.A. AT HOSPITAL	LESS THAN 12 HOURS	12 – 24 HOURS	1 – 7 DAYS	8 DAYS OR MORE	TOTAL	D.O.A. AT HOSPITAL	LESS THAN 12 HOURS	12 – 24 HOURS	1 – 7 DAYS	8 DAYS OR MORE	TOTAL	D.O.A. AT HOSPITAL	LESS THAN 12 HOURS	12 – 24 HOURS	1 – 7 DAYS	8 DAYS OR MORE	TOTAL	D.O.A. AT HOSPITAL	LESS THAN 12 HOURS	12 – 24 HOURS	1 – 7 DAYS	8 DAYS OR MORE
UNDER 1 YEAR																								
1 - 4	1				1																			
5 - 9	1		1																					
10 - 14																								
15 - 19	1					1																		
20 - 24																								
25 - 29																								
30 - 34	2		1		1																			
35 - 39																								
40 - 44																								
45 - 49																								
50 - 54																								
55 - 59																								
60 - 64	1		1																					
65 - 69																								
70 - 74																								
75 - 79	2		1			1																		
80 - OVER																								
TOTAL	8		4		2	2																		

AGE	EXTREMITIES						MULTIPLE INJURIES						MISCELLANEOUS						TOTAL					
	TOTAL	D.O.A. AT HOSPITAL	LESS THAN 12 HOURS	12 – 24 HOURS	1 – 7 DAYS	8 DAYS OR MORE	TOTAL	D.O.A. AT HOSPITAL	LESS THAN 12 HOURS	12 – 24 HOURS	1 – 7 DAYS	8 DAYS OR MORE	TOTAL	D.O.A. AT HOSPITAL	LESS THAN 12 HOURS	12 – 24 HOURS	1 – 7 DAYS	8 DAYS OR MORE	TOTAL	D.O.A. AT HOSPITAL	LESS THAN 12 HOURS	12 – 24 HOURS	1 – 7 DAYS	8 DAYS OR MORE
UNDER 1 YEAR																								
1 - 4							2		1		1								3		1		2	
5 - 9							2		2										3		3			
10 - 14																								
15 - 19							3	2			1								4	2			1	1
20 - 24							2		2										2		2			
25 - 29							2				1	1							2				1	1
30 - 34							1	1											3	1	1		1	
35 - 39							2	2											2	2				
40 - 44							2	1			1								2	1			1	
45 - 49							1		1										1		1			
50 - 54							3	1	2										3	1	2			
55 - 59							2		2										2		2			
60 - 64							2		1			1							3		2			1
65 - 69							1		1										1		1			
70 - 74							4		2		1	1							4		2		1	1
75 - 79							5		3		1	1							7		4		1	2
80 - OVER							5		4			1							5		4			1
TOTAL							39	7	21		6	5							47	7	25		8	7

MAJOR INJURY AND SURVIVAL INTERVAL - AGE GROUPS (BICYCLIST) TABLE 53

AGE	BRAIN						SPINAL CORD					
	TOTAL	D.O.A. AT HOSPITAL	LESS THAN 12 HOURS	12 – 24 HOURS	1 – 7 DAYS	8 DAYS OR MORE	TOTAL	D.O.A. AT HOSPITAL	LESS THAN 12 HOURS	12 – 24 HOURS	1 – 7 DAYS	8 DAYS OR MORE
UNDER 1 YEAR												
1 - 4												
5 - 9	1		1									
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 - OVER												
TOTAL	1		1									

AGE	CHEST						ABDOMEN					
	TOTAL	D.O.A. AT HOSPITAL	LESS THAN 12 HOURS	12 – 24 HOURS	1 – 7 DAYS	8 DAYS OR MORE	TOTAL	D.O.A. AT HOSPITAL	LESS THAN 12 HOURS	12 – 24 HOURS	1 – 7 DAYS	8 DAYS OR MORE
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 - OVER												
TOTAL												

AGE	EXTREMITIES						MULTIPLE INJURIES					
	TOTAL	D.O.A. AT HOSPITAL	LESS THAN 12 HOURS	12 – 24 HOURS	1 – 7 DAYS	8 DAYS OR MORE	TOTAL	D.O.A. AT HOSPITAL	LESS THAN 12 HOURS	12 – 24 HOURS	1 – 7 DAYS	8 DAYS OR MORE
UNDER 1 YEAR												
1 - 4												
5 - 9							1		1			
10 - 14							1		1			
15 - 19												
20 - 24												
25 - 29												
30 - 34												
35 - 39							1		1			
40 - 44												
45 - 49												
50 - 54												
55 - 59							1		1			
60 - 64												
65 - 69												
70 - 74												
75 - 79												
80 - OVER												
TOTAL							4		4			

AGE	MISCELLANEOUS						TOTAL					
	TOTAL	D.O.A. AT HOSPITAL	LESS THAN 12 HOURS	12 – 24 HOURS	1 – 7 DAYS	8 DAYS OR MORE	TOTAL	D.O.A. AT HOSPITAL	LESS THAN 12 HOURS	12 – 24 HOURS	1 – 7 DAYS	8 DAYS OR MORE
UNDER 1 YEAR												
1 - 4												
5 - 9							2		2			
10 - 14							1		1			
15 - 19												
20 - 24												
25 - 29												
30 - 34												
35 - 39							1		1			
40 - 44												
45 - 49												
50 - 54												
55 - 59							1		1			
60 - 64												
65 - 69												
70 - 74												
75 - 79												
80 - OVER												
TOTAL							5		5			

TABLE 54 GEOGRAPHICAL LOCATION - TYPE OF ACCIDENT - CLASSIFICATION OF VICTIMS

CITIES	AUTO														BUS		MTC.		TRUCK				NON-COLLISION		TOTALS								GRAND TOTAL
	AUTO		BICYCLE		BUS		FIXED OBJECT		MOTORCYCLE		PEDESTRIAN		TRUCK		PEDESTRIAN		FIXED OBJECT		FIXED OBJECT		PEDESTRIAN		TRUCK		AUTO		MOTORCYCLE		DRIVER		PASSENGER		PEDESTRIAN		BICYCLIST		
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
CLEVELAND																																			
Bicyclist			2																														2		2
Driver	9						10	2					3	1									1						23	3							26
Motorcyclist									3								8												11							11
Passenger	3	2					2						2	2			1	1	1	1											9	6				15
Pedestrian											11	8									3	2											14	10		24
BEDFORD																																			
Driver							1																						1							1
BEDFORD HEIGHTS																																			
Passenger		1																													1				1
BEREA																																			
Motorcyclist																											1		1						1
Pedestrian											1																						1		1
BROOKLYN																																			
Driver		1																							1				1	1					2
CLEVELAND HEIGHTS																																			
Pedestrian															1																		1		1
EAST CLEVELAND																																			
Driver													2																2							2
Passenger	1																														1				1
Pedestrian											2																						2		2
EUCLID																																			
Driver	1																												1						1
Motorcyclist																	1												1						1
FAIRVIEW PARK																																			
Bicyclist			1																														1		1
GARFIELD HEIGHTS																																			
Pedestrian											1																						1		1
HIGHLAND HEIGHTS																																			
Driver							1																						1							1
INDEPENDENCE																																			
Driver							1																						2							2
Passenger																	1														1				1
Pedestrian																					1												1		1
LAKEWOOD																																			
Driver							1																						1							1
Pedestrian											1																						1		1

GEOGRAPHICAL LOCATION - TYPE OF ACCIDENT - CLASSIFICATION OF VICTIMS — TABLE 54 (continued)

CITIES	AUTO														BUS		MTC.		TRUCK						NON-COLLISION				TOTALS								GRAND TOTAL
	AUTO		BICYCLE		BUS		FIXED OBJECT		MOTORCYCLE		PEDESTRIAN		TRUCK		PEDESTRIAN		FIXED OBJECT		FIXED OBJECT		PEDESTRIAN		TRUCK		AUTO		MOTORCYCLE		DRIVER		PASSENGER		PEDESTRIAN		BICYCLIST		
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
NORTH ROYALTON																																					
Driver																			1										1								1
NORTH OLMSTED																																					
Driver	1																												1								1
Pedestrian											1																						1				1
PARMA																																					
Driver	2	1																											2	1							3
Pedestrian											3										1												3	1			4
PEPPER PIKE																																					
Motorcyclist																	1												1								1
RICHMOND HEIGHTS																																					
Driver																									1				1								1
ROCKY RIVER																																					
Driver	1																												1								1
SEVEN HILLS																																					
Pedestrian											1																						1				1
SOLON																																					
Driver	2				1									1															3	1							4
Passenger	1																														1						1
SOUTH EUCLID																																					
Driver							1																						1								1
STRONGSVILLE																																					
Driver																			1										1								1
Passenger													1	1																	1	1					2
Pedestrian											1																						1				1
WARRENSVILLE HTS.																																					
Driver														1																1							1
WESTLAKE																																					
Driver							1																						1								1
Passenger							1																								1						1
TOTAL	21	5	3		1		19	2	3		22	8	9		1		11	2	3	1	3	4	1		2		1		58	7	13	9	26	12	3		128

TABLE 55 GEOGRAPHICAL LOCATION - TYPE OF ACCIDENT - CLASSIFICATION OF VICTIMS

VILLAGES, TOWNSHIPS AND TURNPIKE	TRUCK						TOTAL						GRAND TOTAL
	AUTO		MOTORCYCLE		PEDESTRIAN		DRIVER		PASSENGER		PEDESTRIAN		
	M	F	M	F	M	F	M	F	M	F	M	F	
GLENWILLOW													
Passenger		1								1			1
VALLEY VIEW													
Motorcyclist			1				1						1
Passenger				1						1			1
TURNPIKE													
Pedestrian					1						1		1
TOTAL		1	1	1	1	1	1			2	1		4

GEOGRAPHICAL LOCATION - TYPE OF ACCIDENT - CLASSIFICATION OF VICTIMS — TABLE 56

OUT OF COUNTY	AUTO												MTC.		TRUCK				NON-COLLISION				TOTAL						GRAND TOTAL
	AUTO		BICYCLE		FIXED OBJECT		MOTORCYCLE		PEDESTRIAN		TRUCK		FIXED OBJECT		BICYCLE		PEDESTRIAN		MOTORCYCLE		TRUCK		DRIVER		PASSENGER		PEDESTRIAN		
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
Bicycle			1												1								1	1					2
Driver	2	1			2	1					4	3									1		9	5					14
Motorcycle							3						1						1				5						5
Passenger	1	3			2							3													3	6			9
Passenger on Motorcycle							1																		1				1
Pedestrian									4	2							2										6	2	8
TOTAL	3	4	1		4	1	4		4	2	4	6	1			1	2		1		1		15	6	4	6	6	2	39

TABLE 57 HOURLY - DAILY - ALCOHOL INCIDENCE (ALL CASES)

HOURS OF THE DAY	SUNDAY			MONDAY			TUESDAY			WEDNESDAY			THURSDAY			FRIDAY			SATURDAY			TOTALS			GRAND TOTAL
	TOTAL	TESTED	POSITIVE	TOTAL	TESTED	POSITIVE	TOTAL	TESTED	POSITIVE	TOTAL	TESTED	POSITIVE	TOTAL	TESTED	POSITIVE	TOTAL	TESTED	POSITIVE	TOTAL	TESTED	POSITIVE	TOTAL	TESTED	POSITIVE	
	M F	M F	M F	M F	M F	M F	M F	M F	M F	M F	M F	M F	M F	M F	M F	M F	M F	M F	M F	M F	M F	M F	M F	M F	
12 AM	1	1								1	1	1	1 1	1 1	1	1 1	1	1	2 1	2 1		6 3	6 2	2 1	9
1 AM	3	2	1	1	1	1				1	1		1			2	2		1	1	1	8 1	7	3	9
2 AM	3	3	3	1	1		2	1		1	1	1	1	1		4 2	3 2	2 2	1 1	1 1	1	13 3	11 3	6 3	16
3 AM	1	1	1				2	2	2	1	1	1				2	2	2	2 1	2 1	2 1	8 1	8 1	8 1	9
4 AM	1 1	1	1	2	2	2										1	1	1	2	1	1	6 1	5	5	7
5 AM																1	1		1	1		2	2		2
6 AM							1	1	1										1			2	1	1	2
7 AM	1	1	1							1										1		2 1	1	1	3
8 AM	1	1		1	1		2 1	2 1		1	1					2	1					3 5	3 4		8
9 AM				1	1											1	1		1	1		3	3		3
10 AM							2	2											2	1		4	3		4
11 AM													1	1		1	1	1	3 1	3 1		4 2	4 2	1	6
TOTAL AM	11 1	10	7	5 1	5 1	3	9 1	8 1	3	5 1	4 1	3	3 2	3 1	1	12 6	11 4	6 3	16 5	13 4	4 2	61 17	54 12	26 6	78
12 PM	1	1											2	2	1	1	1					2 2	2 2	1	4
1 PM				1 1	1 1											1 1	1 1		1	1	1	3 2	3 2	1	5
2 PM	4	3								2	2		1	1								7	6		7
3 PM	2 1	2 1		2 1	1 1	1	1	1					1 2	1 1	1	1			2	2	1	9 4	7 3	3	13
4 PM	2	2	1	2	1		1	1		2	1					1	1					3 5	2 4	1	8
5 PM	1	1	1										1 1	1 1	1	1	1					3 1	3 1	2	4
6 PM				1	1	1	1 1	1		3	2		1	1		1	1		1	1	1	8 1	7	2	9
7 PM				1	1	1				1 1	1 1		1	1								3 1	3 1	1	4
8 PM	1	1		1	1					3 1	3	2	2	2	2	1	1		1			9 1	6	4	10
9 PM	2 1	2 1					1	1					1	1		1 1	1 1		1	1	1	5 3	5 3	1	8
10 PM	1	1		1	1		1 1	1 1	1							3	2	2	2	2	1	5 4	4 4	2 2	9
11 PM	2	2	2	2 1	2 1	1 1										3 1	3 1	1 1	2 1	2 1	1	9 3	9 3	5 2	12
TOTAL PM	12 6	11 6	3 1	9 5	8 4	4 1	4 3	4 2	1	11 2	9 1	2	10 3	10 2	5	12 5	10 5	3 1	8 3	7 3	5 1	66 27	59 23	22 5	93
GRAND TOTAL	23 7	21 6	10 1	14 6	13 5	7 1	13 4	12 3	3 1	16 3	13 2	5	13 5	13 3	5 1	24 11	21 9	9 4	24 8	20 7	9 3	127 44	113 35	48 11	171

HOURLY - DAILY - ALCOHOL INCIDENCE (BICYCLIST) — TABLE 58

HOURS OF THE DAY	SUNDAY						MONDAY						TUESDAY						WEDNESDAY						THURSDAY						FRIDAY						SATURDAY						TOTALS						GRAND TOTAL
	TOTAL		TESTED		POSITIVE		TOTAL		TESTED		POSITIVE		TOTAL		TESTED		POSITIVE		TOTAL		TESTED		POSITIVE		TOTAL		TESTED		POSITIVE		TOTAL		TESTED		POSITIVE		TOTAL		TESTED		POSITIVE		TOTAL		TESTED		POSITIVE		
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
12 AM																																																
1 AM																																																
2 AM																																																
3 AM																																																
4 AM																																																
5 AM																																																
6 AM																																																
7 AM																																																
8 AM																																																
9 AM							1		1																																1		1				1	
10 AM																																																
11 AM																																																
TOTAL AM							1		1																																1		1				1	
12 PM																																																
1 PM																																																
2 PM																																																
3 PM	2		2																																						2		2				2	
4 PM																																																
5 PM																									1		1		1														1		1		1		1	
6 PM																																																
7 PM																																																
8 PM																																																
9 PM													1		1																												1		1				1	
10 PM																																																
11 PM																																																
TOTAL PM	2		2										1		1										1		1		1														3	1	3	1	1		4	
GRAND TOTAL	2		2				1		1				1		1										1		1		1														4	1	4	1	1		5	

TABLE 59 HOURLY - DAILY - ALCOHOL INCIDENCE (DRIVER)

HOURS OF THE DAY	SUNDAY			MONDAY			TUESDAY			WEDNESDAY			THURSDAY			FRIDAY			SATURDAY			TOTALS			GRAND TOTAL
	TOTAL	TESTED	POSITIVE	TOTAL	TESTED	POSITIVE	TOTAL	TESTED	POSITIVE	TOTAL	TESTED	POSITIVE	TOTAL	TESTED	POSITIVE	TOTAL	TESTED	POSITIVE	TOTAL	TESTED	POSITIVE	TOTAL	TESTED	POSITIVE	
	M F	M F	M F	M F	M F	M F	M F	M F	M F	M F	M F	M F	M F	M F	M F	M F	M F	M F	M F	M F	M F	M F	M F	M F	
12 AM	1	1											1	1		1	1	1	1	1		4	4	1	4
1 AM	1	1														1	1		1	1	1	3	3	1	3
2 AM	1	1	1	1	1		2	1		1	1	1				1 1	1 1	1 1				6 1	5 1	3 1	7
3 AM							2	2	2	1	1	1				2	2	2				5	5	5	5
4 AM	1															1	1	1				1 1	1	1	2
5 AM																1	1		1	1		2	2		2
6 AM							1	1	1													1	1	1	1
7 AM	1	1	1							1												2	1	1	2
8 AM	1	1		1	1		1	1								1	1					2 2	2 2		4
9 AM																			1	1		1	1		1
10 AM							2	2											1			3	2		3
11 AM													1	1					1 1	1 1		2 1	2 1		3
TOTAL AM	5 1	5	2	1 1	1 1		8	7	3	3	2	2	2	2		7 2	7 2	5 1	6 1	5 1	1	32 5	29 4	13 1	37
12 PM																									
1 PM				1	1											1	1					2	2		2
2 PM	1	1								2	2											3	3		3
3 PM				1 1	1 1	1							1 1	1 1	1				2	2	1	4 2	4 2	3	6
4 PM	1	1	1	1	1																		2	2	2
5 PM	1	1	1										1	1								1 1	1 1	1	2
6 PM				1	1	1							1	1								2	2	1	2
7 PM				1	1	1																1	1	1	1
8 PM										1	1	1	1	1	1							2	2	2	2
9 PM																			1	1	1	1	1	1	1
10 PM	1	1														2	1	1	1	1	1	2 2	1 2	1 1	4
11 PM				2	2	1										1	1					3	3	1	3
TOTAL PM	2 2	2 2	1 1	6 2	6 2	4				3	3	1	3 2	3 2	2	4	3	1	3 1	3 1	2 1	21 7	20 7	11 2	28
GRAND TOTAL	7 3	7 2	3 1	7 3	7 3	4	8	7	3	6	5	3	5 2	5 2	2	11 2	10 2	6 1	9 2	8 2	3 1	53 12	49 11	24 3	65

HOURLY - DAILY - ALCOHOL INCIDENCE (DRIVER-MOTORCYCLIST) TABLE 59A

HOURS OF THE DAY	SUNDAY			MONDAY			TUESDAY			WEDNESDAY			THURSDAY			FRIDAY			SATURDAY			TOTALS			GRAND TOTAL
	TOTAL	TESTED	POSITIVE	TOTAL	TESTED	POSITIVE	TOTAL	TESTED	POSITIVE	TOTAL	TESTED	POSITIVE	TOTAL	TESTED	POSITIVE	TOTAL	TESTED	POSITIVE	TOTAL	TESTED	POSITIVE	TOTAL	TESTED	POSITIVE	
	M F	M F	M F	M F	M F	M F	M F	M F	M F	M F	M F	M F	M F	M F	M F	M F	M F	M F	M F	M F	M F	M F	M F	M F	
12 AM										1	1	1										1	1	1	1
1 AM																									
2 AM	1	1	1													1	1					2	2	1	2
3 AM																									
4 AM				2	2	2													2	1	1	4	3	3	4
5 AM																									
6 AM																			1			1			1
7 AM																									
8 AM																									
9 AM																									
10 AM																									
11 AM																									
TOTAL AM	1	1	1	2	2	2				1	1	1				1	1		3	1	1	8	6	5	8
12 PM													1	1	1							1	1	1	1
1 PM																									
2 PM	1																					1			1
3 PM																									
4 PM																									
5 PM																1	1					1	1		1
6 PM										2	2								1	1	1	3	3	1	3
7 PM										1	1											1	1		1
8 PM										1	1	1										1	1	1	1
9 PM													1	1		1	1					2	2		2
10 PM																									
11 PM	1	1	1																1	1	1	2	2	2	2
TOTAL PM	2	1	1							4	4	1	2	2	1	2	2		2	2	2	12	11	5	12
GRAND TOTAL	3	2	2	2	2	2				5	5	2	2	2	1	3	3		5	3	3	20	17	10	20

TABLE 60 HOURLY - DAILY - ALCOHOL INCIDENCE (PASSENGER)

HOURS OF THE DAY	SUNDAY						MONDAY						TUESDAY						WEDNESDAY						THURSDAY						FRIDAY						SATURDAY						TOTALS						GRAND TOTAL
	TOTAL		TESTED		POSITIVE		TOTAL		TESTED		POSITIVE		TOTAL		TESTED		POSITIVE		TOTAL		TESTED		POSITIVE		TOTAL		TESTED		POSITIVE		TOTAL		TESTED		POSITIVE		TOTAL		TESTED		POSITIVE		TOTAL		TESTED		POSITIVE		
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
12 AM																									1		1		1			1					1		1				1	2	1	1		1	3
1 AM	1		1		1		1		1		1														1																		2	1	2		2		3
2 AM	1		1		1																								1	1	1	1	1	1	1	1	1	1		1	3	2	3	2	2	2	5
3 AM	1		1		1																														1	1	1	1	1	1	2	1	2	1	2	1	3
4 AM																																															
5 AM																																															
6 AM																																															
7 AM																																				1						1						1
8 AM																																															
9 AM																																															
10 AM																																					1		1				1		1				1
11 AM																														1		1		1								1		1		1		1
TOTAL AM	3		3		3		1		1		1														2		1		1		1	3	1	2	1	2	4	3	4	2	1	2	9	8	9	5	6	5	17
12 PM																														1		1										1		1				1
1 PM																																					1		1		1		1		1		1		1
2 PM	1		1																						1		1																2		2				2
3 PM		1		1																					1																			2		1			2
4 PM		1		1															1		1																						1	1	1	1			2
5 PM																																																
6 PM													1																		1		1										1	1	1				2
7 PM																			1		1																							1		1				1
8 PM																																																
9 PM	1	1	1	1																																							1	1	1	1			2
10 PM							1		1																																		1		1				1
11 PM								1		1		1																		1		1						1		1			1	2	1	2		1	3
TOTAL PM	2	3	2	3			1	1	1	1		1		1					1	1	1	1			1	1	1				2	1	2	1			1	1	1	1	1		8	9	8	7	1	1	17
GRAND TOTAL	5	3	5	3	3		2	1	2	1	1	1		1					1	1	1	1			1	3	1	1		1	3	4	3	3	1	2	5	4	5	3	2	2	17	17	17	12	7	6	34

HOURLY - DAILY - ALCOHOL INCIDENCE (PEDESTRIAN) — TABLE 61

HOURS OF THE DAY	SUNDAY			MONDAY			TUESDAY			WEDNESDAY			THURSDAY			FRIDAY			SATURDAY			TOTALS			GRAND TOTAL
	TOTAL	TESTED	POSITIVE	TOTAL	TESTED	POSITIVE	TOTAL	TESTED	POSITIVE	TOTAL	TESTED	POSITIVE	TOTAL	TESTED	POSITIVE	TOTAL	TESTED	POSITIVE	TOTAL	TESTED	POSITIVE	TOTAL	TESTED	POSITIVE	
	M F	M F	M F	M F	M F	M F	M F	M F	M F	M F	M F	M F	M F	M F	M F	M F	M F	M F	M F	M F	M F	M F	M F	M F	
12 AM																			1	1			1	1	1
1 AM	1									1	1					1	1					3	2		3
2 AM													1	1		1						2	1		2
3 AM																			1	1	1	1	1	1	1
4 AM	1	1	1																			1	1	1	1
5 AM																									
6 AM																									
7 AM																									
8 AM							1 1	1 1		1	1					1						1 3	1 2		4
9 AM																1	1					1	1		1
10 AM																									
11 AM																			2	2		2	2		2
TOTAL AM	2	1	1				1 1	1 1		1 1	1 1		1	1		3 1	2		3 1	3 1	1	11 4	9 3	2	15
12 PM	1	1											1	1								1 1	1 1		2
1 PM				1	1											1	1						2	2	2
2 PM	1	1																				1	1		1
3 PM				1			1	1								1						3	1		3
4 PM				1			1	1		1						1	1					2 2	1 1		4
5 PM																									
6 PM							1	1		1												2	1		2
7 PM													1	1								1	1		1
8 PM	1	1		1	1					1 1	1		1	1	1	1	1		1			6	5	1	7
9 PM	1	1														1	1					1 1	1 1		2
10 PM							1 1	1 1	1							1	1	1	1	1		2 2	2 2	1 1	4
11 PM	1	1	1													1 1	1 1	1 1	1	1		3 1	3 1	2 1	4
TOTAL PM	4 1	4 1	1	2 2	1 1		4 1	4 1	1	2 1	1		3	3	1	4 4	3 4	2 1	2 1	1 1		22 10	17 8	4 2	32
GRAND TOTAL	6 1	5 1	2	2 2	1 1		5 2	5 2	1	4 2	2 1		4	4	1	7 5	5 4	2 1	5 2	4 2	1	33 14	26 11	6 2	47

TABLE 62 HOURLY AND DAILY INCIDENCE ARRANGED ACCORDING TO DRIVER, PASSENGER, PEDESTRIAN

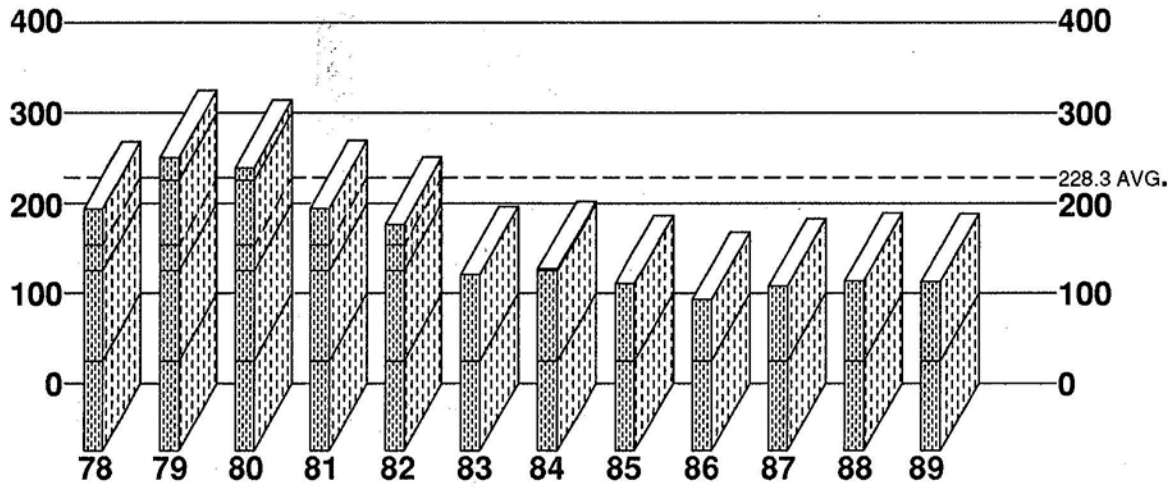
HOURS OF THE DAY	SUNDAY						MONDAY						TUESDAY						WEDNESDAY						THURSDAY						FRIDAY						SATURDAY						TOTALS						GRAND TOTAL
	DRIVER		PASSENGER		PEDESTRIAN		DRIVER		PASSENGER		PEDESTRIAN		DRIVER		PASSENGER		PEDESTRIAN		DRIVER		PASSENGER		PEDESTRIAN		DRIVER		PASSENGER		PEDESTRIAN		DRIVER		PASSENGER		PEDESTRIAN		DRIVER		PASSENGER		PEDESTRIAN		DRIVER		PASSENGER		PEDESTRIAN		
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	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 AM	1																		1						1			1			1						1		1			1	5		1	2		1	9
1 AM	1		1		1				1													1				1					1										3		2	1	3		9
2 AM	2		1				1						2						1								1		2	1	1	1	1				1	1			8	1	3	2	2		16
3 AM			1										2						1										2								1	1	1		5		2	1	1		9
4 AM		1			1		2																						1						2					5	1			1		7
5 AM																													1						1						2						2
6 AM													1																						1						2						2
7 AM	1																		1																		1				2			1			3
8 AM	1							1					1				1	1					1							1				1							2	2			1	3	8
9 AM							1																												1						2				1		3
10 AM													2																						1		1				3		1				4
11 AM																									1										1	1			2		2	1		1	2		6
TOTAL AM	6	1	3		2		4	1	1				8				1	1	4				1	1	2			2	1		8	2	1	3	3	1	9	1	4	3	3	1	41	5	9	8	11	4	78
12 PM						1																			1				1												1			1	1	1	4
1 PM							1					1																	1				1				1			2		1			2	5
2 PM	2		1		1														2								1														4		2		1		7
3 PM	2			1			1	1			1						1								1	1		1				1			2						6	2		2	3		13
4 PM		1		1				1				1					1				1		1										1								2	1	1	2	2	8
5 PM	1																								1	1			1												3	1					4
6 PM							1								1	1			2				1		1						1				1						5		1	1	2		9
7 PM							1												1		1							1												2			1	1		4
8 PM					1						1								2				1	1	1			1												3				6	1	10
9 PM			1	1	1								1												1				1						1	1				3	1	1	1	1	1	8
10 PM		1							1								1	1											2				1			1			1	2	2	1		2	2	9
11 PM	1				1		2			1																			1		1				1	1		1	1	5		1	2	3	1	12
TOTAL PM	6	2	2	3	4	1	6	2	1	1	2	2		1		1	4	1	7		1	1	3	1	6	2	1	1	3		6		2	1	4	4	5	1	1	1	2	1	36	8	6	9	22	10	93
GRAND TOTAL	12	3	5	3	6	1	10	3	2	1	2	2	8	1		1	5	2	11		1	1	4	2	8	2	1	3	4		14	2	3	4	7	5	14	2	5	4	5	2	77	13	17	17	33	14	171

HOURLY AND DAILY INCIDENCE ARRANGED ACCORDING TO PRE-SCHOOL, SCHOOL AND ADULT AGE GROUPS — TABLE 63

HOURS OF THE DAY	SUNDAY						MONDAY						TUESDAY						WEDNESDAY						THURSDAY						FRIDAY						SATURDAY						TOTALS						GRAND TOTAL
	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		
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	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 AM					1																		1						1	1		1	1				1		1	1			1	1	5	2	9
1 AM			1		2						1												1								1		2				1						2		6	1	9
2 AM					3						1				1		1						1								4	2			1	1					1		12	3	16
3 AM					1												2						1								2				2	1							8	1	9
4 AM					1	1					2																				1				2								6	1	7
5 AM																															1				1								2		2
6 AM																	1																		1								2		2
7 AM					1																		1														1						2	1	3
8 AM					1						1						2	1					1										2										3	5	8
9 AM									1																						1				1						1		2		3
10 AM																	2																		1						1		3		4
11 AM																							1										1		1		2	1			1		3	2	6
TOTAL AM			1		10	1			1		4	1			1		8	1					5	1					3	2			1		12	5			4		12	5			7	1	54	16	78
12 PM						1																					1						1								1	1	1	1	4
1 PM								1			1																				1	1			1			1				3	1	5
2 PM			1		3																		2						1												1		6		7
3 PM			2			1					2	1					1												1	2			1				2				2		7	4	13
4 PM				1		1		1				1					1				2													1						1	2	1	1	3	8
5 PM					1																								1	1			1								3	1	4
6 PM											1				1	1					1		2						1				1				1				1	1	7		9
7 PM											1												1	1					1												3	1	4
8 PM					1						1										1		3						2				1				1				1	1	7		10
9 PM			1		1	1											1												1				1	1							1		4	3	8
10 PM				1			1										1	1																	3				2	1			1	4	3	9
11 PM					2						2	1																	1		2	1					2	1			1		8	3	12
TOTAL PM			4	2	8	4	1	2			8	3			1	4	2				3	1	8	1			1		9	3			2	1	10	4	1				7	3	2	2	10	5	54	20	93
GRAND TOTAL			5	2	18	5	1	2	1		12	4			1	1	12	3			3	1	13	2			1		12	5			2	2	22	9	1		4		19	8	2	2	17	6	108	36	171

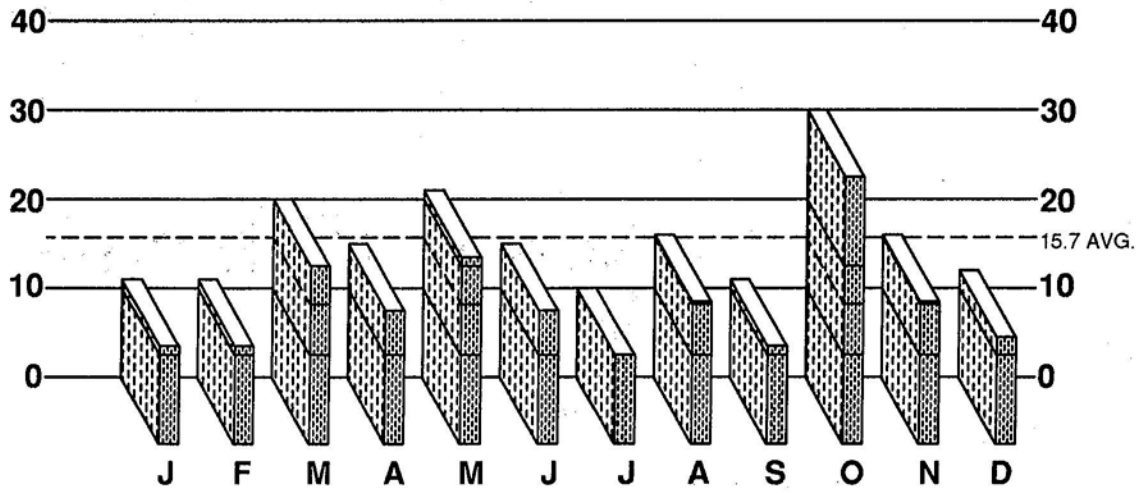
A FARM NEAR STRONGSVILLE

HOMICIDES
FOR A PERIOD OF TWELVE YEARS



		NUMBER	PERCENT
SEX	MALE	157	84
	FEMALE	31	16
RACE	WHITE	41	22
	NON-WHITE	147	78
ALCOHOL	TESTED	178	95
	POSITIVE	69	39
AUTOPSY	AUTOPSIED	188	100

HOMICIDES
BY MONTH FOR THE YEAR 1989



1989
TOTAL CASES
188

TABLE 65 AGE - RACE - ALCOHOL INCIDENCE

AGE	RACE	TOTAL	Total		NOT TESTED								TESTED						STAGES											
					Total		Surv'd Too Long		Under Age		Other		Total		Neg.		Pos.		0.01% 0.04%		0.05% 0.09%		0.10% 0.14%		0.15% 0.19%		0.20% 0.24%		0.25% 0.29%		0.30% or Over	
			M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Under 1 Year	White	2	2										2		2																
	Non-White	3	2	1									2	1	2	1															
1 - 4	White																														
	Non-White	4	3	1									3	1	3	1															
5 - 9	White																														
	Non-White	3	2	1	1				1				1	1	1	1															
10 - 14	White	1	1										1		1																
	Non-White	1	1										1				1														
15 - 19	White	4	4										4		1		3		1		1										
	Non-White	9	9										9		7		2		1		2										
20 - 24	White	4	3	1									3	1	2	1	1								1						
	Non-White	23	18	5	2	1	2	1					16	4	9	4	7		1		1										
25 - 29	White	3	2	1	1		1						1	1		1	1					3										
	Non-White	25	21	4									21	4	10	2	11	2	1		1										
30 - 34	White	7	5	2	1		1						4	2	2	2	2				7		1	1	2			1			
	Non-White	26	21	5									21	5	9	1	12	4		1					1		1				
35 - 39	White	6	5	1		1		1					5		3		2				1	1	5		1	1	3		2	1		
	Non-White	24	22	2	1						1		21	2	12	2	9								1						1	
40 - 44	White	3	2	1									2	1	2			1			2		4				3				
	Non-White	10	8	2		1		1					8	1	5		3	1	1											1	
45 - 49	White	2	2										2		2								1	1	1						
	Non-White	4	4										4		1		3		2												
50 - 54	White	3	3										3		2		1						1								
	Non-White	4	4										4		4												1				
55 - 59	White																														
	Non-White	4	4		1		1						3		2		1														
60 - 64	White	1	1										1				1										1				
	Non-White	1	1										1		1								1								
65 - 69	White	1		1										1		1															
	Non-White	4	3	1									3	1	2	1	1														
70 - 74	White	2	1	1									1	1	1	1									1						
	Non-White	1	1										1		1																
75 - 79	White																														
	Non-White	1	1										1		1																
80 - over	White	2	1	1									1	1	1	1															
	Non-White																														
TOTAL	White	41	32	9	2	1	2	1					30	8	19	7	11	1	1		4		1		2		2			1	1	
	Non-White	147	125	22	5	2	3	2	1		1		120	20	70	13	50	7	6	1	14	1	15	2	6	1	7	1	2	1		
GRAND TOTAL		188	157	31	7	3	5	3	1		1		150	28	89	20	61	8	7	1	18	1	16	2	8	1	9	1	2	2	1	

MODE - ALCOHOL INCIDENCE — TABLE 66

MODE	TOTAL	Total		Cleve.		County		Out of County		NOT TESTED								TESTED						STAGES											
										Total		Surv'd Too Long		Under Age		Other		Total		Neg.		Pos.		0.01% 0.04%		0.05% 0.09%		0.10% 0.14%		0.15% 0.19%		0.20% 0.24%		0.25% 0.29%		0.30% or over	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
ASPHYXIA	2	2				2												2		2															
ASSAULT	33	24	9	20	5	2	4	2		4	2	3	2	1				20	7	16	5	4	2			1	1	1		1	1				1	
SHOOTING	106	96	10	84	7	11	3	1		2	1	2	1					94	9	59	6	35	3	5	1	10		10		6		3	1	1	1		
STABBING	32	29	3	25	3	4				1						1		28	3	9	2	19	1	1		6		5	1	1		5		1			
STRANGULATION	8	1	7	1	4		3											1	7		6	1	1						1			1				
STRUCK BY AUTO	4	4		2		2												4		2		2		1		1										
OTHERS*	3	1	2		1	1	1											2	2	1	1		1											1		
TOTAL	188	157	31	132	20	22	11	3		7	3	5	3	1		1		150	28	89	20	61	8	7	1	18	1	16	2	8	1	9	1	2	2	1	

*BOMB BLAST AND THROWN FROM HEIGHT.

HOMICIDES

MODE - AGE GROUPS — TABLE 67

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	
ASPHYXIA	1		1																																2		2
ASSAULT	3	1	2	1	2						2	1	2		2	3	3	1	2		1		1		1				1	1			1		1	1	24	9	33
SHOOTING							2		12		15	2	15	2	16	3	15	1	6	1	4		5		2		1		2		1	1					96	10	106
STABBING						1			1		2		6	1	7		7		1		1		1		1		1			1	1						29	3	32
STRANGULATION												2		2	1	1		1		1																	1	7	8
STRUCK BY AUTO											2						2																				4		4
OTHERS												1							1	1																	1	2	3
TOTAL	4	1	3	1	2	1	2		13		21	6	23	5	26	7	27	3	10	3	6		7		4		2		3	2	2	1	1		1	1	157	31	188

TABLE 68 PLACE OF OCCURENCE - CIRCUMSTANCES - ASSAILANTS / VICTIMS - ALCOHOL INCIDENCE

ASSAILANTS	TOTAL	Total		Cleve.		County		Out of County		NOT TESTED								TESTED						STAGES													
										Total		Surv'd Too Long		Under Age		Other		Total		Neg.		Pos.		0.01% 0.04%		0.05% 0.09%		0.10% 0.14%		0.15% 0.19%		0.20% 0.24%		0.25% 0.29%		0.30% or over	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
HOME CIRCUMSTANCES:																																					
During or following the commission or attempted commission of a felony																																					
Police	1	1		1														1				1								1							
Son	1	1		1														1				1								1							
Stranger	1	1		1														1				1						1									
PUBLIC CIRCUMSTANCES:																																					
Other Acquaintance	1	1		1														1		1																	
TOTAL	4	4		4														4		1		3								1		2					

HOMICIDES (NON-JUSTIFIABLE)

PLACE OF OCCURENCE - CIRCUMSTANCES - ASSAILANTS / VICTIMS - ALCOHOL INCIDENCE — TABLE 69

										NOT TESTED								TESTED						STAGES											
		Total		Cleve.		County		Out of County		Total		Surv'd Too Long		Under Age		Other		Total		Neg.		Pos.		0.01% 0.04%		0.05% 0.09%		0.10% 0.14%		0.15% 0.19%		0.20% 0.24%		0.25% 0.29%		0.30% or over	
ASSAILANTS	TOTAL	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
HOME CIRCUMSTANCES:																																			
During or following an argument																																			
Acquaintance	11	10	1	10	1														10	3	1	7	1	1		1		3	1	2					
Spouse	4	4		4														4		2		2				1						1			
Stepbrother	1	1		1														1				1						1							
During or following the commission or attempted commission of a felony																																			
Stranger	1	1		1														1				1				1									
Unknown Acquaintance	4	3	1	2		1	1											3	1	1	1	2				1		1							
Unknown	19	16	3	11	2	5	1											16	3	14	3	2						2							
Other Acquaintance	29	25	4	22	1	1	3	2		2	1	1	1	1				23	3	11	2	12	1	2		3		3	1	2		1		1			
Relatives																																			
Brother	2	1	1	1			1											1	1		1	1				1									
Brother-in-law	1	1				1												1		1															
Cousin	1	1		1														1		1															
Father	2	2		2														2		2															
Mother	6	4	2	2	2	2												4	2	3	2	1				1									
Son	1	1		1						1		1																							
Spouse	6	2	4	2	2		2											2	4	1	2	1	2		1						1	1			
Stepfather	1	1				1												1		1															
TOTAL	89	73	16	60	8	11	8	2		3	1	2	1	1				70	15	40	11	30	4	3	1	9		10	2	4		2	1	2			

TABLE 69A PLACE OF OCCURENCE - CIRCUMSTANCES - ASSAILANTS - VICTIMS - ALCOHOL INCIDENCE

										NOT TESTED								TESTED						STAGES													
		Total		Cleve.		County		Out of County		Total		Surv'd Too Long		Under Age		Other		Total		Neg.		Pos.		0.01% 0.04%		0.05% 0.09%		0.10% 0.14%		0.15% 0.19%		0.20% 0.24%		0.25% 0.29%		0.30% or over	
ASSAILANTS	TOTAL	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
PUBLIC CIRCUMSTANCES:																																			
During or following an argument																																			
Acquaintance	10	10		6		4												10		3		7		1		2		1				3			
Security Guard	1	1				1												1		1															
Stranger	4	4		4														4		3		1						1							
Unknown Circumstances																																			
Unknown	35	29	6	25	5	3	1	1		2		2						27	6	22	3	5	3			1	1	4			1				1		
Other Circumstances																																			
Acquaintance	32	26	6	23	4	3	2			2		1				1		24	6	13	5	11	1	1		5				2		2			1	1	
Relatives																																			
Brother-in-law	1	1		1														1				1		1												
Husband	1		1		1						1		1																							
Stepfather	1		1		1														1		1															
Security Guard	1	1		1														1				1				1										
Stranger	7	6	1	6	1						1		1					6		4		2		1						1						
Unknown	2	2		2														2		2															
TOTAL	95	80	15	68	12	11	3	1		4	2	3	2			1		76	13	48	9	28	4	4		9	1	6		3	1	5			2	1	

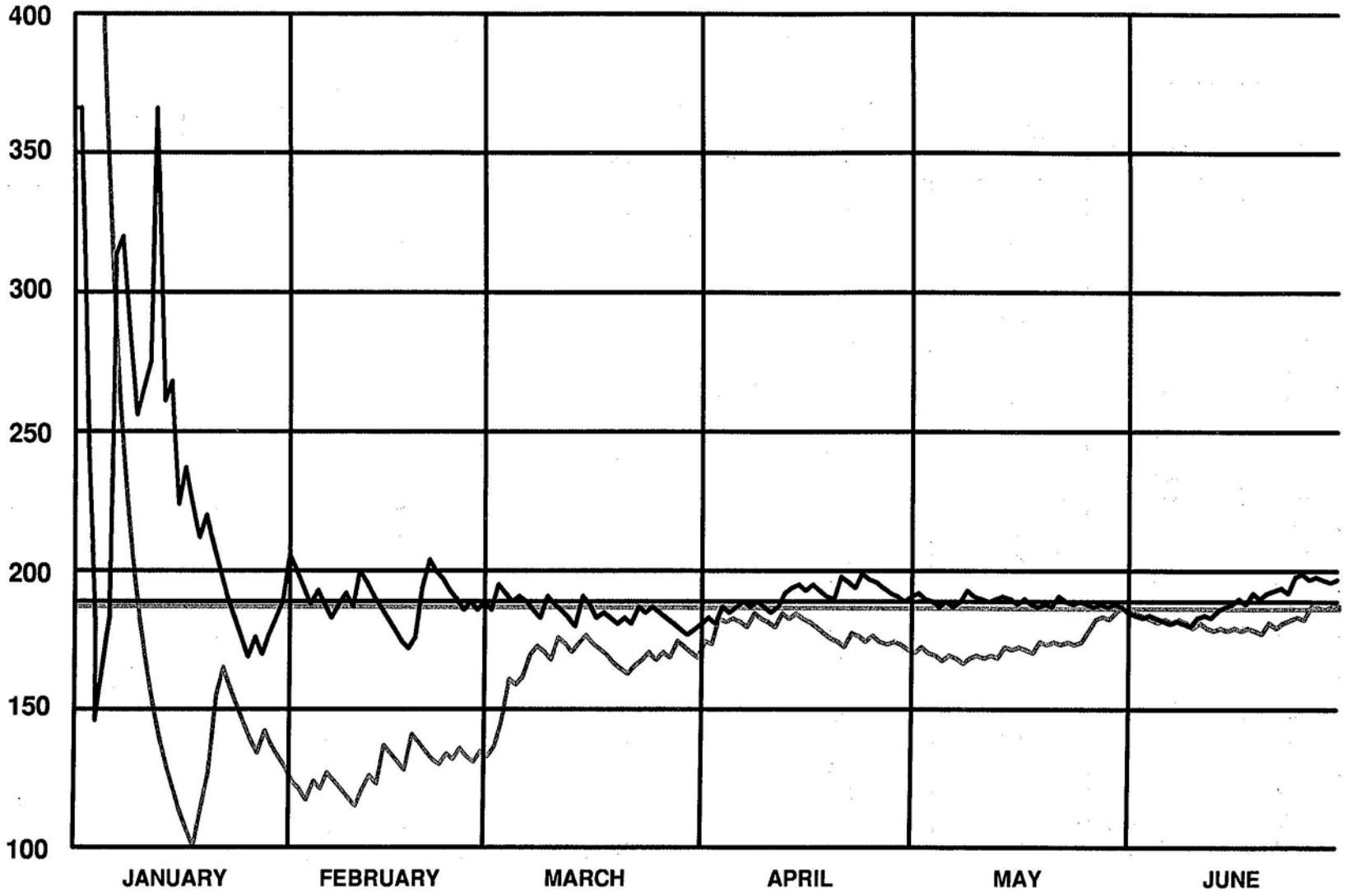
HOMICIDES IN CUYAHOGA COUNTY 1965 - 1989 — TABLE 69B

(INCLUDES CULPABLE AND JUSTIFIABLE HOMICIDES)

YEAR	TOTAL HOMICIDES	FIREARMS	FIREARM PERCENTAGE OF TOTAL	BLUNT VIOLENCE (MANUAL, PEDAL AND INSTRUMENTAL ASSAULT)	EDGED AND POINTED WEAPONS	STRANGULATION (MANUAL AND LIGATURE)	ALL OTHERS*
1965	129	86	66.67	17	21	3	2
1966	166	111	66.87	15	35	3	2
1967	185	117	63.24	15	34	5	14
1968	210	167	79.52	16	26	1	
1969	317	254	80.13	29	29	1	4
1970	310	242	78.06	23	34	6	5
1971	324	265	81.79	24	28	4	3
1972	363	287	79.06	33	23	16	4
1973	327	271	82.87	24	20	10	2
1974	362	301	83.14	19	28	11	3
1975	351	274	78.06	29	30	7	11
1976	305	238	78.03	23	29	8	7
1977	300	233	77.67	27	31	6	3
1978	268	211	78.73	17	26	12	2
1979	325	236	72.62	32	37	5	15
1980	314	233	74.20	32	29	6	14
1981	269	208	77.32	25	21	8	7
1982	251	168	66,93	32	36	4	11
1983	196	126	64.29	22	32	8	8
1984	202	121	59.90	34	33	10	4
1985	188	117	62.23	19	32	10	10
1986	169	114	67.46	21	22	4	8
1987	183	102	55.74	25	30	5	21
1988	189	108	57.14	24	27	13	17
1989	188	106	56.38	33	32	8	9

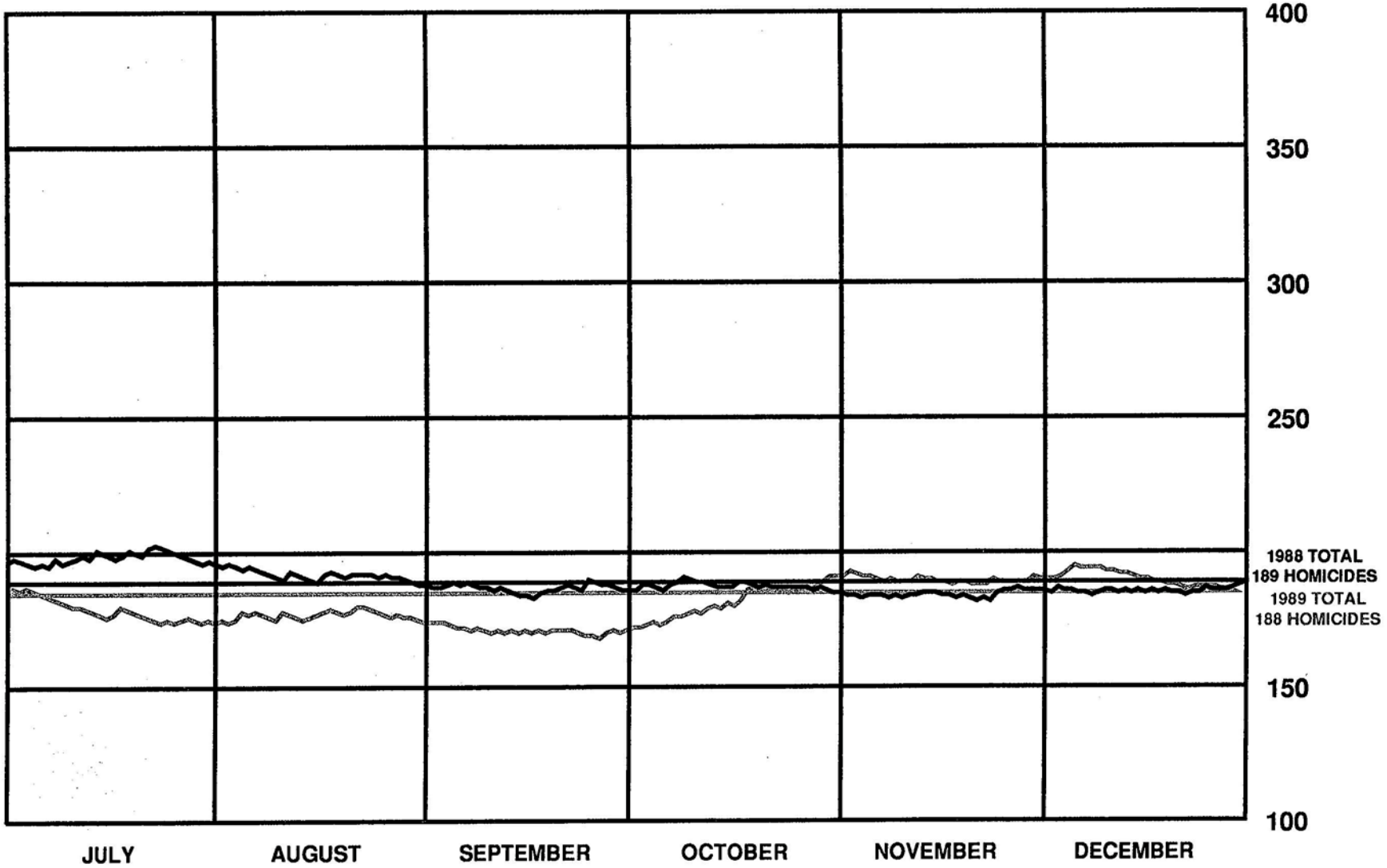
*Arson, Automobile Crash, Burning, Carbon Monoxide, Dragged by Auto, Drowning, Explosion, Exposure, Heat Stroke, Hit by Concrete Block, Jumped from Window when threatened, Multiple Modes, Neglect, Obstruction of Airway by Foreign Object, Poisoning, Pushed in front of Bus, Run over by Auto and Stress.

MOVING PROJECTED ANNUAL HOMICIDE TOTAL

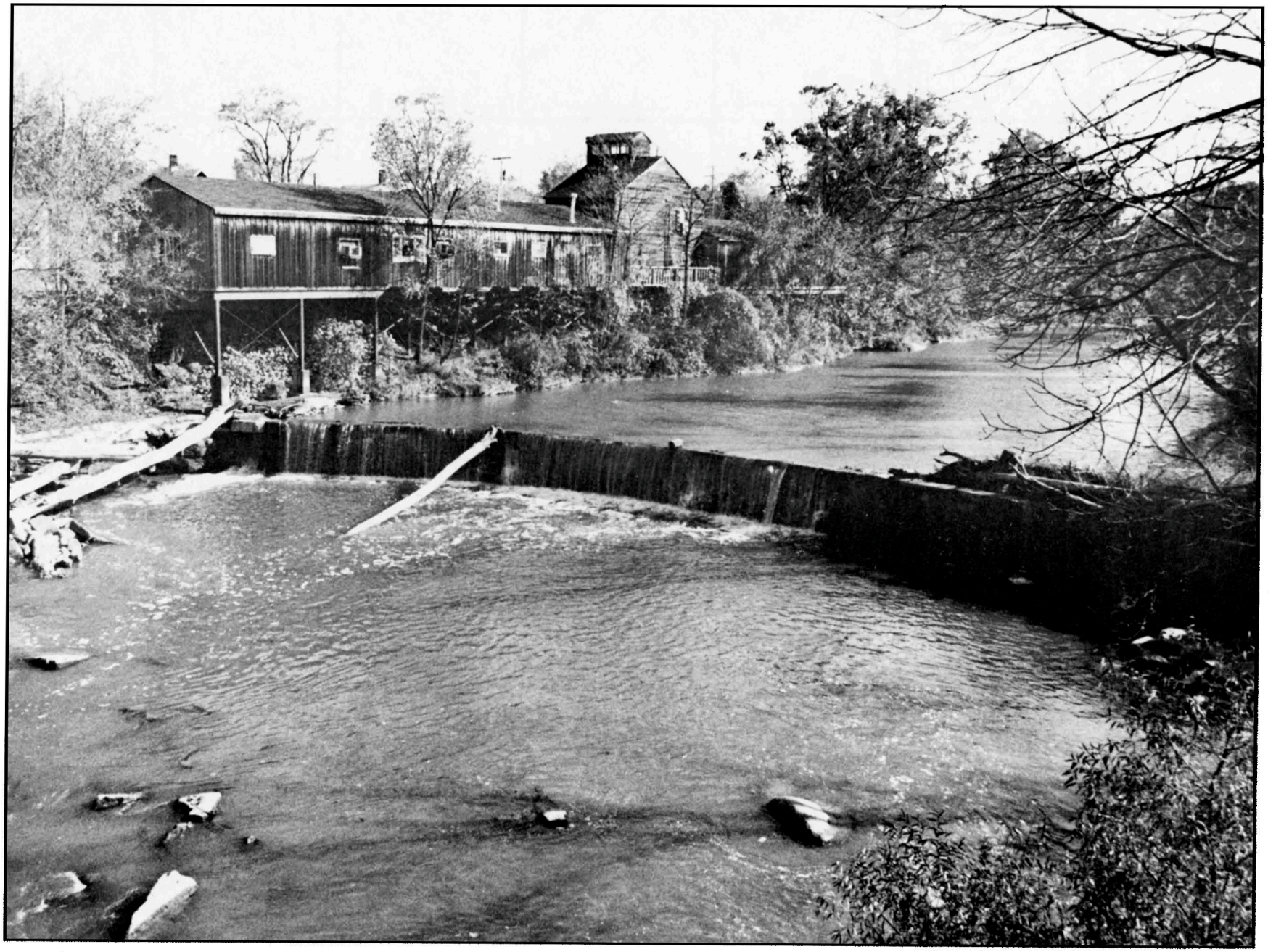


In order to establish the direction of the annual numerical trends in homicidal deaths in our jurisdictional area, in 1984 we initiated a daily, graphic, *moving projected total* of culpable and justifiable demises of this type. The formula for determining the projected annual total (PAT), i.e., the total number of homicides which would occur during the entire calendar year if the daily rate up to that time were to continue unchanged is PAT = 365H/D where H is the number of homicides received at our establishment since the year started, and D is the number of days which have elapsed since the calendar year started. (PAT is rounded off to the nearest whole number, and the constant 366 is used in place of 365 in calculating PAT in leap years.) The date when death

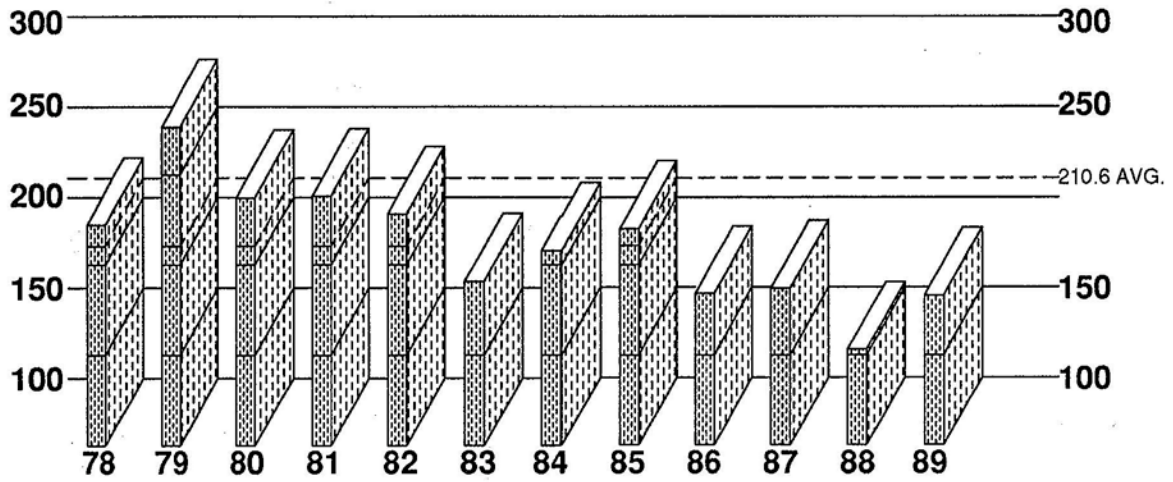
MOVING PROJECTED ANNUAL HOMICIDE TOTAL (continued)



was pronounced, **not** necessarily the same day as when the lethal incident occured or when death actually took place, is utilized to establish D. Thus, if ten homicide victims were to have been pronounced dead in Cuyahoga County from January first until midnight of February 5, 36 days will have elapsed since the year began, and accordingly the PAT at that time is determined as follows: PAT equals 365 times 10 divided by 36 which equals 101.36 equals 101, the number of homicides that will have been pronounced dead during the entire calendar year should the same rate prevail.

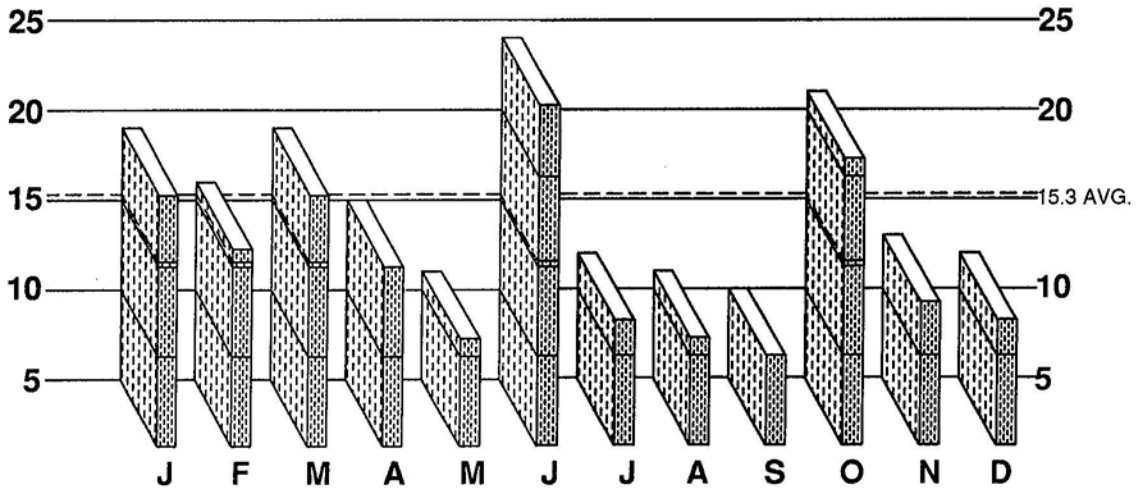


SUICIDES
FOR A PERIOD OF TWELVE YEARS



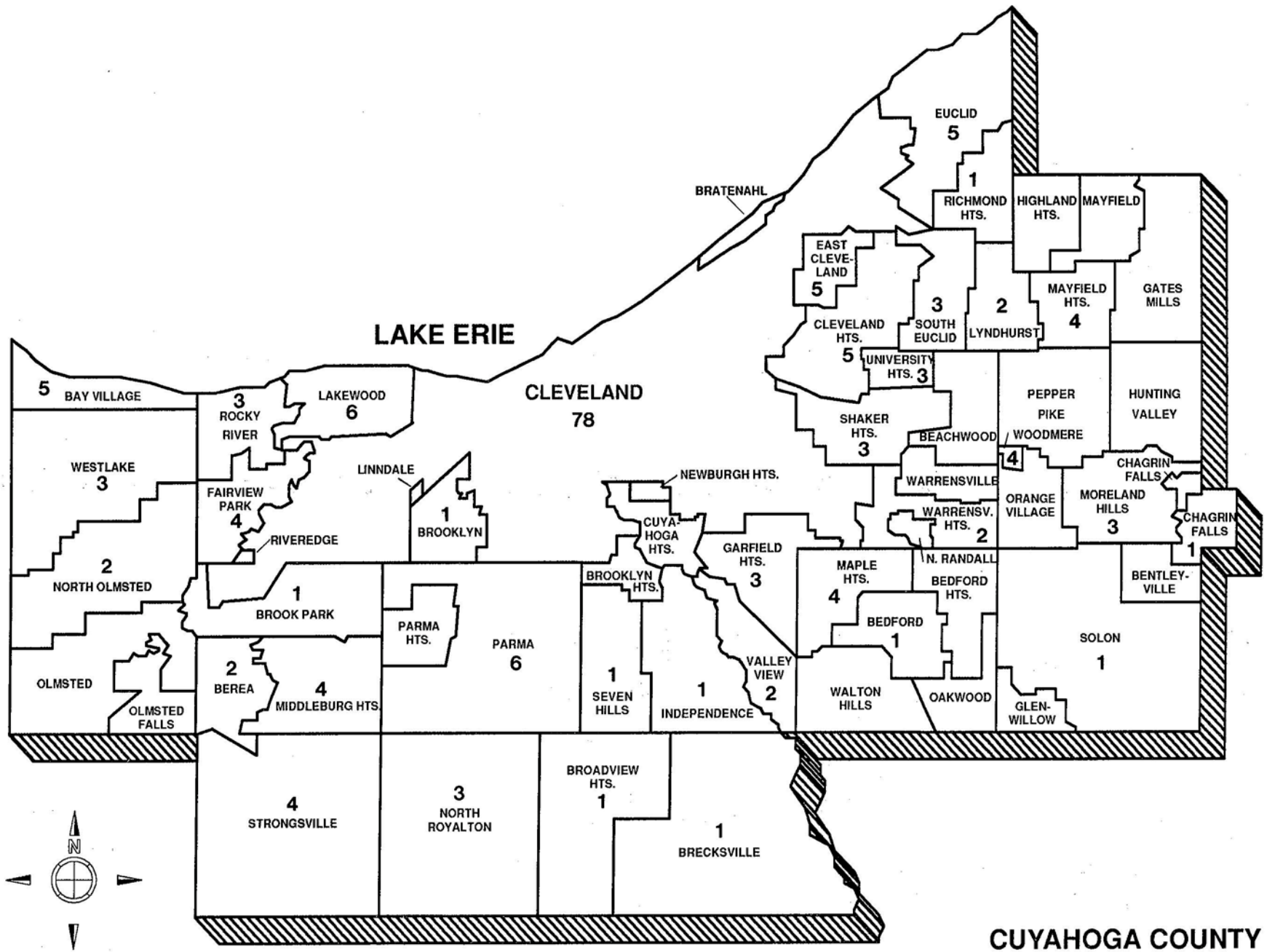
		NUMBER	PERCENT
SEX	MALE	141	77
	FEMALE	42	23
RACE	WHITE	135	74
	NON-WHITE	48	26
ALCOHOL	TESTED	173	95
	POSITIVE	44	25
AUTOPSY	AUTOPSIED	179	98

SUICIDES
BY MONTH FOR THE YEAR 1989



1989
TOTAL CASES
183

MAP 6 SUICIDE DISTRICTION



CUYAHOGA COUNTY

MONTHLY ALCOHOL INCIDENCE — TABLE 70

										NOT TESTED								TESTED						STAGES													
		Total		Cleve.		County		Out of County		Total		Surv'd Too Long		Under Age		Other		Total		Neg.		Pos.		0.01% 0.04%		0.05% 0.09%		0.10% 0.14%		0.15% 0.19%		0.20% 0.24%		0.25% 0.29%		0.30% or over	
MONTH	TOTAL	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
JANUARY	19	17	2	7		9	2	1		3		2				1		14	2	10	2	4				2		1						1			
FEBRUARY	16	13	3	7	1	6	2				1		1					13	2	8	2	5						2		2						1	
MARCH	19	14	5	4	1	10	2		2	1	1					1	1	13	4	12	3	1	1						1		1						
APRIL	15	9	6	6	5	3			1									9	6	6	4	3	2	1	1					2			1				
MAY	11	7	4	3		4	4											7	4	6	4	1						1									
JUNE	24	18	6	11	1	7	5											18	6	14	6	4						1			1		1		1		
JULY	12	8	4	4	1	4	3			2		2						6	4	4	3	2	1					1		1				1			
AUGUST	11	8	3	4		4	3											8	3	6	2	2	1	1						1	1					
SEPTEMBER	10	9	1	4	1	4		1										9	1	6	1	3				1				1		1					
OCTOBER	21	17	4	4	4	12		1										17	4	12	3	5	1	3			1					1		1			
NOVEMBER	13	11	2	5	2	2		4		2		2						9	2	6	2	3		1		1		1									
DECEMBER	12	10	2	3		5	2	2										10	2	6	1	4	1			1	1			1				1		1	
TOTAL	183	141	42	62	16	70	23	9	3	8	2	6	1			2	1	133	40	96	33	37	7	6	1	5	2	7	1	8	1	4	1	4	1	3	

TABLE 71 AGE - RACE - ALCOHOL INCIDENCE

AGE	RACE	TOTAL	Total		NOT TESTED								TESTED						STAGES											
					Total		Surv'd Too Long		Under Age		Other		Total		Neg.		Pos.		0.01% 0.04%		0.05% 0.09%		0.10% 0.14%		0.15% 0.19%		0.20% 0.24%		0.25% 0.29%		0.30% or Over	
			M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Under 1 Year	White																														
	Non-White																														
1 - 4	White																														
	Non-White																														
5 - 9	White																														
	Non-White																														
10 - 14	White																														
	Non-White																														
15 - 19	White	3	3										3		3																
	Non-White	1		1										1		1															
20 - 24	White	19	17	2		1		1					17	1	10	1	7		2				2		1		2					
	Non-White	5	3	2									3	2	2	2	1		1													
25 - 29	White	21	18	3	2		2						16	3	10	3	6				1		2		1		1				1	
	Non-White	4	3	1									3	1	3	1																
30 - 34	White	7	7		1		1						6		5		1												1			
	Non-White	6	6										6		5		1								1							
35 - 39	White	8	6	2									6	2	3	2	3								1				1		1	
	Non-White	7	6	1	1		1						5	1	3	1	2				1		1									
40 - 44	White	13	10	3	1	1					1	1	9	2	5	1	4	1	1	1					1				1		1	
	Non-White	6	5	1									5	1	3	1	2						1		1							
45 - 49	White	12	4	8									4	8	2	5	2	3				2			2			1				
	Non-White	4	4										4		2		2				1		1									
50 - 54	White	5	4	1									4	1	3		1	1									1					
	Non-White	3	2	1									2	1	2	1																
55 - 59	White	5	5										5		4		1							1					1			
	Non-White	5	3	2									3	2	2	1	1	1	1							1						
60 - 64	White	9	7	2	1						1		6	2	6	1		1			1											
	Non-White	3	2	1									2	1	1	1	1															
65 - 69	White	9	7	2									7	2	7	2																
	Non-White	1	1										1		1																	
70 - 74	White	11	6	5	1		1						5	5	4	5	1		1													
	Non-White	1	1										1		1																	
75 - 79	White	6	3	3									3	3	3	3																
	Non-White	1	1										1		1																	
80 - over	White	7	6	1	1		1						5	1	4	1	1				1											
	Non-White	1	1										1		1																	
TOTAL	White	135	103	32	7	2	5	1			2	1	96	30	69	24	27	6	4	1	2	2	4		6	1	4	1	4	1	3	
	Non-White	48	38	10	1		1						37	10	27	9	10	1	2		3		3	1	2							
GRAND TOTAL		183	141	42	8	2	6	1			2	1	133	40	96	33	37	7	6	1	5	2	7	1	8	1	4	1	4	1	3	

MODE - ALCOHOL INCIDENCE

TABLE 72

MODE	TOTAL	Total		Cleve.		County		Out of County		NOT TESTED						TESTED						STAGES											
										Total		Surv'd Too Long		Under Age		Other		Total		Neg.		Pos.		0.01% 0.04%		0.05% 0.09%		0.10% 0.14%		0.15% 0.19%		0.20% 0.24%		0.25% 0.29%		0.30% or over	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
ASPHYXIA	35	26	9	13	1	12	7	1	1	2	2	2	1				1	24	7	19	7	5		1		1		1		1		1					
CUTTING AND STABBING	3	3				2		1		3		1				2																			
CARBON MONOXIDE	17	11	6	3	1	8	5											11	6	8	4	3	2	1				2			1				1		
JUMPING	13	11	2	4	1	7	1			1		1						10	2	7	1	3	1					1	1	1				1			
POISONING	23	10	13	5	5	5	7		1									10	13	8	12	2	1			1	1			1							
SHOOTING	92	80	12	37	8	36	3	7	1	2		2						78	12	54	9	24	3	4	1	3	1	3		5		3	1	3		3	
TOTAL	183	141	42	62	16	70	23	9	3	8	2	6	1			2	1	133	40	96	33	37	7	6	1	5	2	7	1	8	1	4	1	4	1	3	

TABLE 73 MODE - ALCOHOL INCIDENCE

MODE	TOTAL	Total		Cleve.		County		Out of County		NOT TESTED								TESTED						STAGES													
										Total		Surv'd Too Long		Under Age		Other		Total		Neg.		Pos.		0.01% 0.04%		0.05% 0.09%		0.10% 0.14%		0.15% 0.19%		0.20% 0.24%		0.25% 0.29%		0.30% or over	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
ASPHYXIA:																																					
Drowning	7	6	1	5		1			1		1						1	6		3		3		1		1				1							
Hanging	24	19	5	8	1	10	4	1		2	1	2	1					17	4	15	4	2						1				1					
Plastic Bag	4	1	3			1	3											1	3	1	3																
TOTAL	35	26	9	13	1	12	7	1	1	2	2	2	1				1	24	7	19	7	5		1		1		1		1		1					
CARBON MONOXIDE:																																					
Auto Exhaust	17	11	6	3	1	8	5											11	6	8	4	3	2	1				2			1				1		
TOTAL	17	11	6	3	1	8	5											11	6	8	4	3	2	1				2			1				1		
JUMPING:																																					
Balcony	1	1				1												1		1																	
Bridge	9	7	2	3	1	4	1											7	2	5	1	2	1						1	1				1			
Cliff	1	1				1				1		1																									
Window	2	2		1		1												2		1		1						1									
TOTAL	13	11	2	4	1	7	1			1		1						10	2	7	1	3	1					1	1	1				1			

POISONING - ALCOHOL INCIDENCE

TABLE 74

POISONING	TOTAL	Total		Cleve.		County		Out of County		NOT TESTED						TESTED						STAGES													
										Total		Surv'd Too Long		Under Age		Other		Total		Neg.		Pos.		0.01% 0.04%		0.05% 0.09%		0.10% 0.14%		0.15% 0.19%		0.20% 0.24%		0.25% 0.29%		0.30% or over	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Single Chemical Agent:																																			
Amitriptyline	1	1		1														1		1															
Desipramine	1	1		1														1		1															
Doxepin	2	1	1	1	1													1	1	1	1														
Imipramine	1	1				1												1		1															
Insulin	1		1		1														1		1														
Nortriptyline	1		1				1												1		1														
Salicylate	2	2				2												2		2															
Toilet Bowl Cleaner	1		1						1										1		1														
Combined Effect of Ethanol and:																																			
Codeine, Morphine and Lorazepam	1		1				1												1				1												
Propoxyphene, Benzodiazepines and Acetaminophen	1	1		1															1			1			1									
Salicylate, Propoxyphene and Propranol	1	1				1												1				1						1							
Combined Effect of Other Drugs:																																			
Amitriptyline and Chlordiazepoxide	1		1		1														1		1														
Amobarbital and Secobarbital	1	1				1												1		1															
Codeine and Acetaminophen	1		1				1												1		1														
Desipramine and Imapramine	1		1				1												1		1														
Meperidine and Chlordiazepoxide	1		1				1												1		1														
Mesoridazine and Chlordiazepoxide	1		1				1												1		1														
Salicylate and Opiates	1		1				1												1		1														
Amitriptyline, Nortriptyline and Propoxyphene	1		1				1												1		1														
Toluene, Desipramine and Diazepam	1		1		1														1		1														
Cocaine, Diazepam, Propoxyphene and Amitriptyline	1	1		1														1		1															
TOTAL	23	10	13	5	5	5	7		1									10	13	8	12	2	1			1	1			1						

TABLE 75 MODE - AGE GROUPS

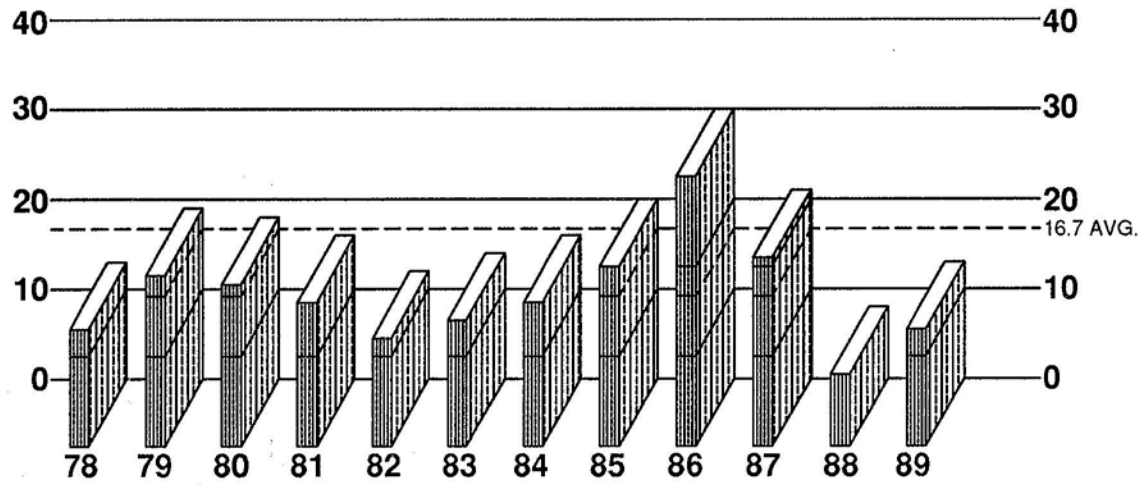
MODE	Under 1 Year		1 - 4		5 - 9		10 - 14		15 - 19		20 - 24		25 - 29		30 - 34		35 - 39		40 - 44		45 - 49		50 - 54		55 - 59		60 - 64		65 - 69		70 - 74		75 - 79		80 and Over		TOTAL		GRAND TOTAL
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
ASPHYXIA									1		7	1	3		3		2	1	2	1		1	1		2		1		2		1	3	1	1		1	26	9	35
CUTTING AND STABBING																			1								1				1						3		3
CARBON MONOXIDE										1	1		1		1			1	1			1		1	2			1	1		2	1	1		1		11	6	17
JUMPING									1				3	1	1		1		2		2					1								1		11	2	13
POISONING											1	2		1	1		3		2	1	1	3	1					1	1	2		1		2		10	13	23
SHOOTING									1		11	1	14	2	7		6	1	7	2	5	3	4	1	4	1	7	1	4		3		2		5		80	12	92
TOTAL									3	1	20	4	21	4	13		12	3	15	4	8	8	6	2	8	2	9	3	8	2	7	5	4	3	7	1	141	42	183

MODE, GEOGRAPHICAL LOCATION AND MARITAL STATUS — TABLE 76

MODE	CLEVELAND												COUNTY												OUT OF COUNTY												TOTAL		GRAND TOTAL
	MARRIED		SINGLE		WIDOWED		DIVORCED		UNKNOWN		TOTAL		MARRIED		SINGLE		WIDOWED		DIVORCED		UNKNOWN		TOTAL		MARRIED		SINGLE		WIDOWED		DIVORCED		UNKNOWN		TOTAL				
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
ASPHYXIA	4	1	7				2				13	1	3	4	5	1	2	1	2	1			12	7			1			1					1	1	26	9	35
CUTTING AND STABBING													2										2							1					1		3		3
CARBON MONOXIDE	1		1		1			1			3	1	3	3	3	2	1		1				8	5													11	6	17
JUMPING	2		2							1	4	1	2		4	1			1				7	1													11	2	13
POISONING	1	1	2	1		2	2	1			5	5	2			1	1	4	2	2			5	7						1						1	10	13	23
SHOOTING	11	2	13	4	6	1	6	1	1		37	8	17	1	14	2	2		3				36	3	4		1		1		1	1			7	1	80	12	92
TOTAL	19	4	25	5	7	3	10	3	1	1	62	16	29	8	26	7	6	5	9	3			70	23	4		2		1	2	1	1	1		9	3	141	42	183

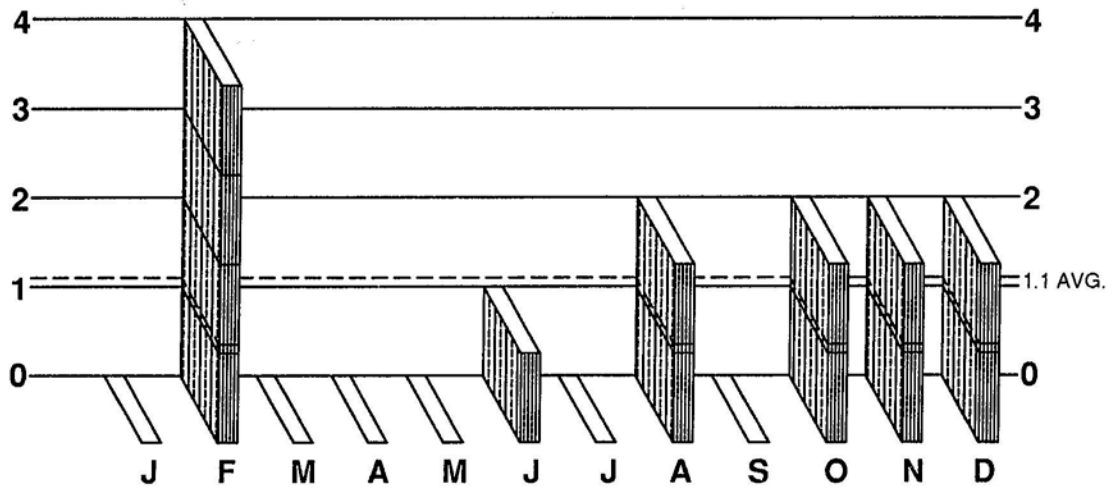
HUNTINGTON RESERVATION (CLEVELAND METROPARKS SYSTEM).

VIOLENCE OF UNDETERMINED ORIGIN
FOR A PERIOD OF TWELVE YEARS



		NUMBER	PERCENT
SEX	MALE	7	54
	FEMALE	6	46
RACE	WHITE	10	77
	NON-WHITE	3	23
ALCOHOL	TESTED	10	77
	POSITIVE	4	40
AUTOPSY	AUTOPSIED	12	92

VIOLENCE OF UNDETERMINED ORIGIN
BY MONTH FOR THE YEAR 1989



1989
TOTAL CASES
13

FATALITIES FROM VIOLENCE OF UNDETERMINED ORIGIN

TABLE 77 MONTHLY ALCOHOL INCIDENCE

										NOT TESTED								TESTED						STAGES											
		Total		Cleve.		County		Out of County		Total		Surv'd Too Long		Under Age		Other		Total		Neg.		Pos.		0.01% 0.04%		0.05% 0.09%		0.10% 0.14%		0.15% 0.19%		0.20% 0.24%		0.25% 0.29%		0.30% or over	
MONTH	TOTAL	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
JANUARY																																			
FEBRUARY	4	2	2	2	1		1											2	2	1	1	1	1									1	1		
MARCH																																			
APRIL																																			
MAY																																			
JUNE	1		1		1														1		1														
JULY																																			
AUGUST	2	2		1		1				1		1						1		1															
SEPTEMBER																																			
OCTOBER	2	1	1			1	1				1		1					1		1															
NOVEMBER	2		2				2				1		1						1				1										1		
DECEMBER	2	2		2														2		1		1												1	
TOTAL	13	7	6	5	2	2	4			1	2	1	2					6	4	4	2	2	2											1	

FATALITIES FROM VIOLENCE OF UNDETERMINED ORIGIN

CAUSE OF DEATH - ALCOHOL INCIDENCE

TABLE 78

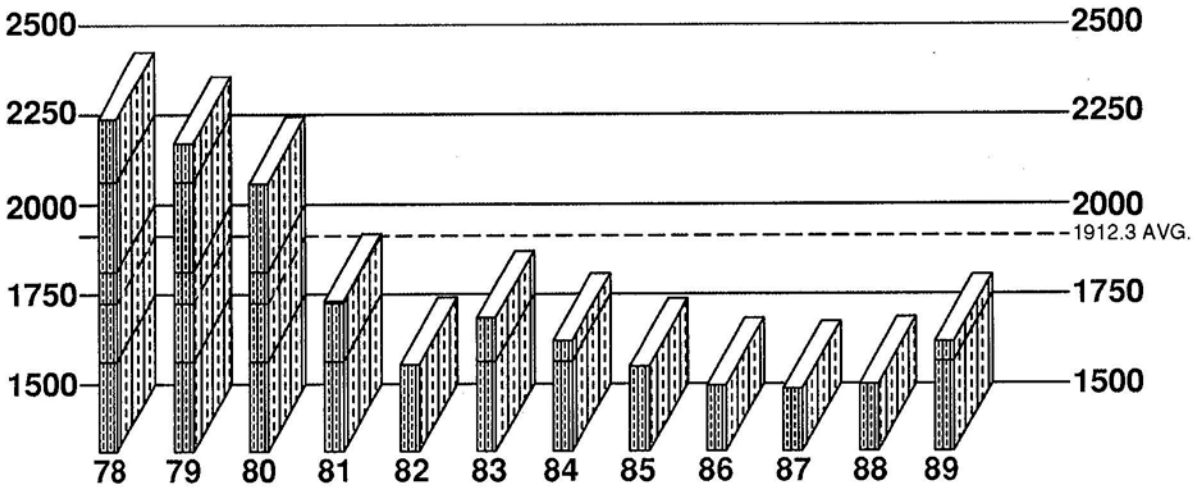
										NOT TESTED								TESTED						STAGES											
		Total		Cleve.		County		Out of County		Total		Surv'd Too Long		Under Age		Other		Total		Neg.		Pos.		0.01% 0.04%		0.05% 0.09%		0.10% 0.14%		0.15% 0.19%		0.20% 0.24%		0.25% 0.29%		0.30% or over	
CAUSE OF DEATH	TOTAL	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
BURNING	1		1		1														1		1														
DROWNING	1	1		1														1		1																
INJURY TO HEAD	5	3	2	2		1	2				1		1					3	1	2		1	1										1	1		
INJURY TO BODY	4	3	1	2		1	1			1	1	1	1					2		1		1												1		
UNDTERMINED	2		2		1		1												2		1		1										1		
TOTAL	13	7	6	5	2	2	4			1	2	1	2					6	4	4	2	2	2											1	2	1	

FATALITIES FROM VIOLENCE OF UNDETERMINED ORIGIN

TABLE 79 — AGE - RACE - ALCOHOL INCIDENCE

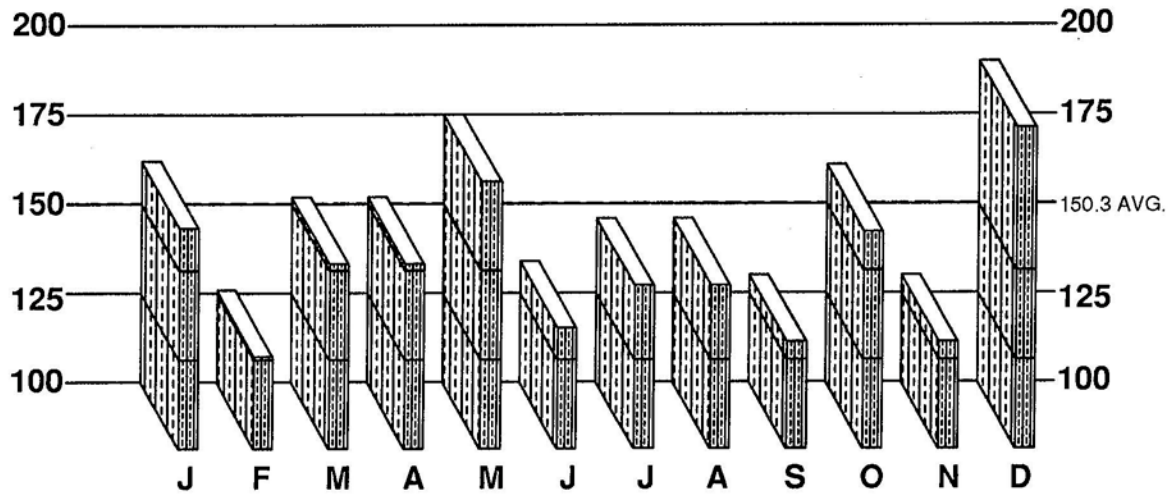
AGE	RACE	TOTAL	NOT TESTED								TESTED						STAGES											
			Total		Total		Surv'd Too Long		Under Age		Other		Total		Neg.		Pos.		0.01% 0.04%		0.05% 0.09%		0.10% 0.14%		0.15% 0.19%		0.20% 0.24%		0.25% 0.29%		0.30% or Over	
			M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Under 1 Year	White																													
	Non-White																													
1 - 4	White																													
	Non-White																													
5 - 9	White																													
	Non-White																													
10 - 14	White																													
	Non-White																													
15 - 19	White																													
	Non-White																													
20 - 24	White																													
	Non-White																													
25 - 29	White	1	1										1		1															
	Non-White	2		2										2		1		1										1		
30 - 34	White																													
	Non-White																													
35 - 39	White																													
	Non-White																													
40 - 44	White	1	1										1				1											1		
	Non-White																													
45 - 49	White	1	1		1		1																							
	Non-White																													
50 - 54	White	2	1	1									1	1	1			1										1		
	Non-White	1	1										1																1	
55 - 59	White	1	1										1		1															
	Non-White																													
60 - 64	White																													
	Non-White																													
65 - 69	White																													
	Non-White																													
70 - 74	White	1	1										1		1															
	Non-White																													
75 - 79	White	1		1										1		1														
	Non-White																													
80 - over	White	2		2		2		2																						
	Non-White																													
TOTAL	White	10	6	4	1	2	1	2					5	2	4	1	1	1										1	1	
	Non-White	3	1	2									1	2		1	1	1										1	1	
GRAND TOTAL		13	7	6	1	2	1	2					6	4	4	2	2	2										1	2	1	

NATURAL CAUSES
FOR A PERIOD OF TWELVE YEARS



		NUMBER	PERCENT
SEX	MALE	1091	60
	FEMALE	713	40
RACE	WHITE	1234	68
	NON-WHITE	570	32
ALCOHOL	TESTED	1408	78
	POSITIVE	129	9
AUTOPSY	AUTOPSIED	643	36

NATURAL CAUSES
BY MONTH FOR THE YEAR 1989



1989
TOTAL CASES
1804

TABLE 80 MONTHLY ALCOHOL INCIDENCE

				NOT TESTED								TESTED						STAGES											
		Total		Total		Surv'd Too Long		Under Age		Other		Total		Neg.		Pos.		0.01% 0.04%		0.05% 0.09%		0.10% 0.14%		0.15% 0.19%		0.20% 0.24%		0.25% 0.29%		0.30% or Over	
MONTH	Total	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
JANUARY	162	96	66	13	10	1	2			12	8	83	56	73	53	10	3	3	1	2		1	1	1		3	1				
FEBRUARY	126	80	46	9	7	1	2			8	5	71	39	69	39	2		1		1											
MARCH	152	97	55	15	13	2	1	1		12	12	82	42	73	39	9	3	4	1	2	1	1	1	1		1					
APRIL	152	83	69	12	14		1			12	13	71	55	62	51	9	4	2	1	5		1	1		1					1	1
MAY	175	117	58	31	21	3	2			28	19	86	37	75	34	11	3	1	1	3	1	1	1	2		1		1		2	
JUNE	134	74	60	18	19	3	2	1		14	17	56	41	49	38	7	3	2	1		2					2		3			
JULY	146	85	61	5	11				2	5	9	80	50	67	50	13		3		7		1						2			
AUGUST	146	81	65	8	14					8	14	73	51	68	49	5	2	2	2	2						1					
SEPTEMBER	130	74	56	14	10	3	4	1		10	6	60	46	55	42	5	4	1		1	3		1	2				1			
OCTOBER	161	100	61	33	23		1	1		32	22	67	38	55	36	12	2	3	1	3		2		3						1	1
NOVEMBER	130	80	50	30	21		1			30	20	50	29	46	27	4	2	1	1	1	1					2					
DECEMBER	190	124	66	28	17	3	1			25	16	96	49	82	47	14	2	10	1	2				2					1		
TOTAL	1804	1091	713	216	180	16	17	5	2	196	161	875	533	774	505	101	28	33	10	29	8	7	5	11	1	10	1	7	1	4	2

DEATHS FROM NATURAL CAUSES

INTERNATIONAL CODE OF CAUSES OF DEATH LISTED BY MONTH — TABLE 81

CLASSIFICATION OF DISEASES BY CODE*	JAN.		FEB.		MAR.		APRIL.		MAY		JUNE		JULY		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	
Infective and Parasitic Diseases	1							1				1							1						2	2	4
Neoplasms	2	4		1	7	1	6	3	7	3		2	1	2	3	2	3	3	3	6	2	1	3	1	37	31	68
Allergic, Endocrine System, Metabolic, and Nutritional Diseases		2	1		1		1					2	1	1	1		1		1	2	1				8	7	15
Diseases of the Blood and Blood-forming Organs														1												1	1
Mental, Psychoneurotic, and Personality Disorders**								1			2		1					1	1	1					4	3	7
Diseases of the Nervous System and Sense Organs				1						1	2				1		1					1	2	1	6	4	10
Diseases of the Circulatory System	79	56	71	42	81	47	71	58	94	49	61	52	73	54	67	58	62	46	85	46	68	44	112	61	924	613	1537
Diseases of the Respiratory System	4	2	2		2	3	1		8	2	3		4		1	1			4	1	1	2	3	1	33	12	45
Diseases of the Digestive System	7	1	1	2	2	3	2	1	4	1	2	1	3		1	2	3	1	2	1	3	1	1		31	14	45
Deseases of the Genito-urinary System																1	1			1					1	2	3
Deliveries and Complications of Pregnancy, Childbirth and the Puerperium																								1		1	1
Diseases of the Skin and Cellular Tissue														1												1	1
Diseases of the Bone and Organs of Movement																											0
Congenital Malformations					1						1	1							1						3	1	4
Certain Diseases of Early Infancy																											0
Symptoms, Senility and Ill-defined Conditions***	3	1	5		3	1	2	5	4	2	3	1	2	2	7	1	3	5	2	1	5	1	3	1	42	21	63
TOTAL	96	66	80	46	97	55	83	69	117	58	74	60	85	61	81	65	74	56	100	61	80	50	124	66	1091	713	1804

*International Classification of Diseases by World Health Organization. Ninth Revision.

**In Mental, Psychoneurotic and Personality Disorders 7 were due to alcoholism. (Alcoholism with associated physical disease totaled 8.)

***Sudden Infant Death Syndrome totaled 45.

AUTOPSIES - DEATHS FROM NATURAL CAUSES

TABLE 82 INTERNATIONAL CODE OF CAUSES OF DEATH LISTED BY MONTH

CLASSIFICATION OF DISEASES BY CODE*	JAN.		FEB.		MAR.		APRIL.		MAY		JUNE		JULY		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	
Infective and Parasitic Diseases			1					1				1													1	2	3
Neoplasms	2	2		1	4		2	2	1				1	1			2	2	1	3			2		15	11	26
Allergic, Endocrine System, Metabolic, and Nutritional Diseases		2	1				1					1		1			1			2	1				4	6	10
Diseases of the Blood and Blood-forming Organs														1												1	1
Mental, Psychoneurotic, and Personality Disorders**								1			2		1					1	1	1					4	3	7
Diseases of the Nervous System and Sense Organs				1						1	2				1									1	3	3	6
Diseases of the Circulatory System	31	17	16	8	26	13	21	21	31	6	17	15	28	13	19	21	21	8	24	15	23	11	36	20	293	168	461
Diseases of the Respiratory System	2	2	1		3	3	1		6	1	1		3		1				1	1		2	4	1	23	10	33
Diseases of the Digestive System	3	1		2		2	2	1	3		1	1	3		1	1	3	1	1		2	1	1		20	10	30
Deseases of the Genito-urinary System																1	1			1					1	2	3
Deliveries and Complications of Pregnancy, Childbirth and the Puerperium																											0
Diseases of the Skin and Cellular Tissue																											0
Diseases of the Bone and Organs of Movement																											0
Congenital Malformations											1	1							1						2	1	3
Certain Diseases of Early Infancy																											0
Symptoms, Senility and Ill-defined Conditions***	3	1	5		3		2	5	3	2	4	1	2	2	6		3	2	1	4	5	1	3	1	40	20	60
TOTAL	41	25	24	12	36	18	29	31	44	10	28	20	38	18	28	24	31	14	30	27	31	15	46	23	406	237	643

*International Classification of Diseases by World Health Organization. Ninth Revision.
**In Mental, Psychoneurotic and Personality Disorders 7 were due to alcoholism. (Alcoholism with associated physical disease totaled 8.)
***Sudden Infant Death Syndrome totaled 45.

DEATHS FROM NATURAL CAUSES

MONTHS AND AGE GROUPS — TABLE 83

AGE	JAN.		FEB.		MAR.		APRIL.		MAY		JUNE		JULY		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	2	1	3		4		2	4	3	2	3	1	2	1	5		2	5	2	1	2	1	1	1	31	17	48
1 - 4										1	1			1			1		1		2		2		7	2	9
5 - 9					1				1						1										3		3
10 - 14					1	1										1							1		2	2	4
15 - 19			1	1											1							1			2	2	4
20 - 24		1								1	2			1		1			1				1		4	4	8
25 - 29	2				1	1	1		2	1	1		1			1	2			1		1	1		11	5	16
30 - 34	1	2	2			1		2	2	1	1		2	1	2		2		2	2	1		2	1	17	10	27
35 - 39	5	2	1	1	2	2	3	2			1		3	3	2	3	3	2	2	1	2	1	7	1	31	18	49
40 - 44	6	1	3	4	6	5	2	1	8	2		1	5	1			2	2	2	3	5	1	6	1	45	22	67
45 - 49	7	5	3		2	3	5	4	6		4	3	4	2	5	2	2	1	8	2	2	4	12	5	60	31	91
50 - 54	5	4	5	1	6	3	5	8	7	2	4	3	9		8	5	7	4	12	2	5	4	8	3	81	39	120
55 - 59	11	5	7	1	10	2	5	8	11	2	8	2	7	2	9	3	6	2	13	4	6	1	8	5	101	37	138
60 - 64	19	8	8	5	15	5	17	7	16	8	9	8	10	6	8	4	16	1	11	3	9	6	16	8	154	69	223
65 - 69	14	5	12	6	15	4	14	4	13	8	8	7	11	6	15	7	10	1	19	5	16	4	20	4	167	61	228
70 - 74	7	15	13	10	15	4	12	13	16	4	10	12	13	11	10	14	5	15	8	8	15	2	12	8	136	116	252
75 - 79	6	5	12	5	6	11	12	4	17	7	13	10	13	9	6	11	8	10	12	7	7	11	14	12	126	102	228
80 - Over	11	12	10	12	13	13	5	12	15	19	9	13	5	17	9	13	8	13	7	22	8	13	13	17	113	176	289
TOTAL	96	66	80	46	97	55	83	69	117	58	74	60	85	61	81	65	74	56	100	61	80	50	124	66	1091	713	1804

AUTOPSIES - DEATHS FROM NATURAL CAUSES

TABLE 84 — MONTHS AND AGE GROUPS

AGE	JAN.		FEB.		MAR.		APRIL.		MAY		JUNE		JULY		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	2	1	2		4		1	4	2	2	4	1	2	1	5		2	2	2	4	2	1	1	1	29	17	46
1 - 4										1	1			1							2		2		5	2	7
5 - 9					1				1						1										3		3
10 - 14					1	1										1							1		2	2	4
15 - 19			1	1											1										2	1	3
20 - 24		1								1	2			1					1				1		4	3	7
25 - 29	2				1	1	1		2		1		1				2			1		1	1		11	3	14
30 - 34	1	2	2					2	1		1	1	1	1	2		1		2	2			1		12	8	20
35 - 39	4	1	1		2	2	3	2					4	3	2	3	3	2	2	1	2	1	4	1	27	16	43
40 - 44	5	1	1	4	5	3	2	1	6			2	4	1			2	1	1	3	5	1	6	1	37	18	55
45 - 49	4	5	4		1	2	4	4	5		3	3	3	1	3	1	2	1	6	1	2	3	11	4	48	25	73
50 - 54		1	2	1	5	2	3	6	6		2	2	6		2	2	6	2	6	1	3	2	1	2	42	21	63
55 - 59	6	1	2		2		1	4	5		1		3		2		2	1	2	3	4	1	2	3	32	13	45
60 - 64	4	2	3	1	1		5	1	1	3	3	3	1	2	1	2	4		2	2	3	1	5	3	33	20	53
65 - 69	6	1	2	1	4	1	6		4	3		1	7	1	4	2	3		1	1	6		5	1	48	12	60
70 - 74	2	6	1	1	4	1	1	3	8		1	3	4	2	1	3		1	2	2	1		1	1	26	23	49
75 - 79				2	1	3	1	1	2		6	2	2	1	2	7	2	3	3	2	1	1	2	4	22	26	48
80 - Over	5	3	3	1	4	2	1	3	1		3	2		3	2	3	2	1		4		3	2	2	23	27	50
TOTAL	41	25	24	12	36	18	29	31	44	10	28	20	38	18	28	24	31	14	30	27	31	15	46	23	406	237	643

DEATHS FROM NATURAL CAUSES

INTERNATIONAL CODE OF CAUSES OF DEATH LISTED BY AGE GROUPS — TABLE 85

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	
Infective and Parasitic Diseases																					1		1				1			1					2	2	4
Neoplasms			1										1	1			1	2	1	1	1	2	3	3	2		7	4	4	5	4	7	5	4	7	2	37	31	68
Allergic, Endocrine System, Metabolic and Nutritional Diseases			1									1				1	1			1	2		1		2			1	1	1					2	8	7	15
Diseases of the Blood and Blood-forming Organs																		1																			1	1
Mental, Psychoneurotic and Personality Disorders**													1		2			1	1	1		1															4	3	7
Diseases of the Nervous System and Sense Organs			1							2	1				1		1							1					1			2				6	4	10
Diseases of the Circulatory System	1			1			2		1			1	1	3	11	6	18	10	35	13	51	26	71	33	96	35	142	61	149	54	130	108	116	95	100	167	924	613	1537
Diseases of the Respiratory System	3		1	1	2			1			1	1	5	1	2		1	1	2	1		2		1		1	3		4		1		3		5	2	33	12	45
Diseases of the Digestive System											1		2			1	5	1	6	4	2		5	1	1		1	1	6		1			3	1	3	31	14	45
Diseases of the Genito-urinary System																		1			1							1									1	2	3
Deliveries and Complications of Pregnancy, Childbirth and the Puerperium																1																					1	1
Diseases of the Skin and Cellular Tissue																												1									1	1
Diseases of the Bones and Organs of Movement																																						
Congenital Malformations	2										1									1																	3	1	4
Certain Diseases of Early Infancy																																						
Symptoms, Senility and Ill-defined conditions***	25	17	3		1			1	1			1	1		1	1	4	1			2		1						3								42	21	63
TOTAL	31	17	7	2	3		2	2	2	2	4	4	11	5	17	10	31	18	45	22	60	31	81	39	101	37	154	69	167	61	136	116	126	102	113	176	1091	713	1804

*International Classification of Diseases by World Health Organization. Ninth Revision.

**In Mental, Psychoneurotic and Personality Disorders 7 were due to alcoholism. (Alcoholism with associated physical disease totaled 8.)

***Sudden Infant Death Syndrome totaled 45.

TABLE 86 INTERNATIONAL CODE OF CAUSES OF DEATH LISTED BY AGE GROUPS

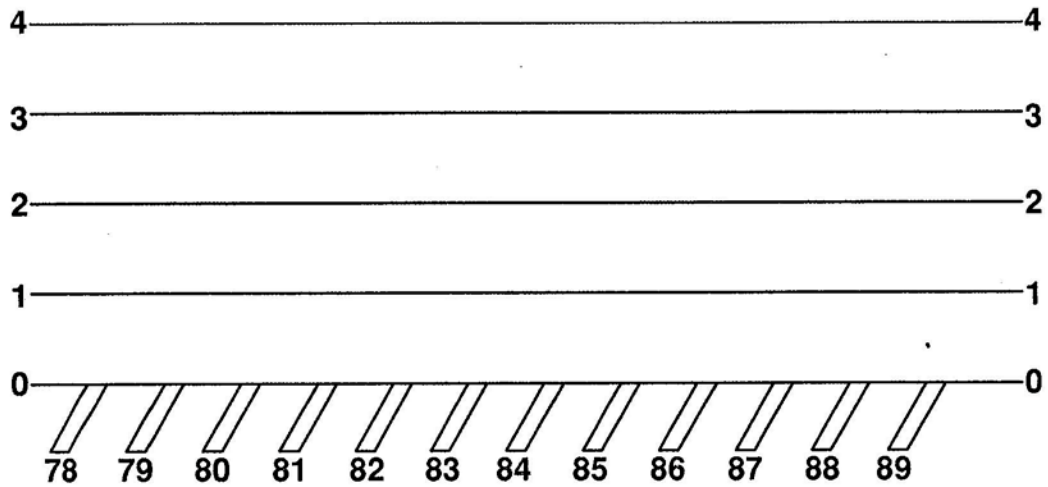
CLASSIFICATION OF DISEASES BY CODE*	Under 1 Year		1 - 4		5 - 9		10 - 14		15 - 19		20 - 24		25 - 29		30 - 34		35 - 39		40 - 44		45 - 49		50 - 54		55 - 59		60 - 64		65 - 69		70 - 74		75 - 79		80 and Over		TOTAL		GRAND TOTAL
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
Infective and Parasitic Diseases																					1			1						1					1	2	3
Neoplasms			1										1				1	1	1			1	2	3			2	1	2		1	4	1	1	3		15	11	26
Allergic, Endocrine System, Metabolic and Nutritional Diseases			1									1				1	1			1	1		1											2	4	6	10
Diseases of the Blood and Blood-forming Organs																		1																		1	1
Mental, Psychoneurotic and Personality Disorders**													1		2			1	1	1		1														4	3	7
Diseases of the Nervous System and Sense Organs										1	1													1				1			2					3	3	6
Diseases of the Circulatory System				1			2		1			1	1	2	8	6	15	9	29	10	42	21	35	16	32	11	29	18	39	10	24	18	18	23	18	22	293	168	461
Diseases of the Respiratory System	3			1	2			1			1		5	1	2		1	1	2	1		2		1		1	2		2		1		1		1	1	23	10	33
Diseases of the Digestive System											1		2			1	5	1	4	4	1		3						3					2	1	2	20	10	30
Diseases of the Genito-urinary System																		1			1							1								1	2	3
Deliveries and Complications of Pregnancy, Childbirth and the Puerperium																																							
Diseases of the Skin and Cellular Tissue																																							
Diseases of the Bones and Organs of Movement																																							
Congenital Malformations	1										1									1																2	1	3
Certain Diseases of Early Infancy																																							
Symptoms, Senility and Ill-defined conditions***	25	17	3		1			1	1			1	1				4	1			2		1						2							40	20	60
TOTAL	29	17	5	2	3		2	2	2	1	4	3	11	3	12	8	27	16	37	18	48	25	42	21	32	13	33	20	48	12	26	23	22	26	23	27	406	237	643

*International Classification of Diseases by World Health Organization. Ninth Revision.

**In Mental, Psychoneurotic and Personality Disorders 7 were due to alcoholism. (Alcoholism with associated physical disease totaled 8.)

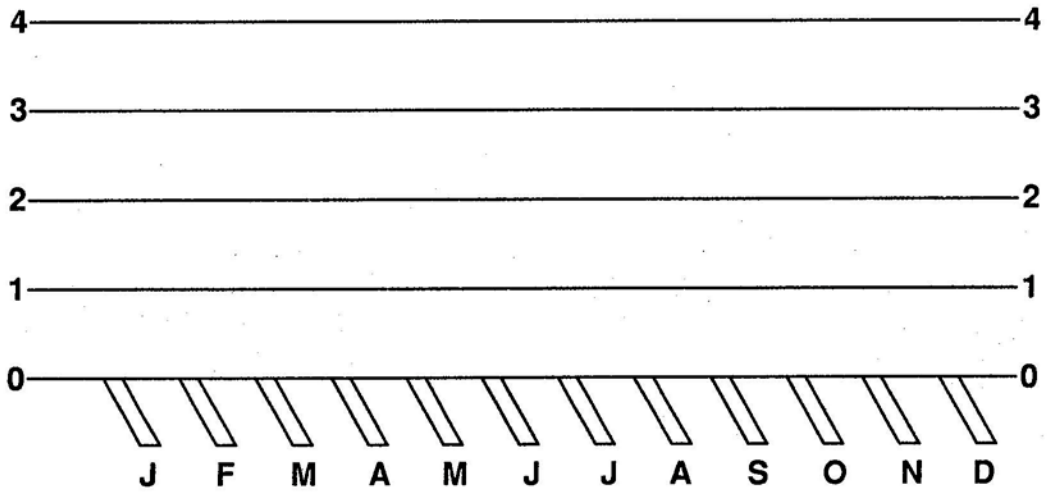
***Sudden Infant Death Syndrome totaled 45.

ABORTIONS
FOR A PERIOD OF TWELVE YEARS



		NUMBER	PERCENT
SEX	MALE	0	0
	FEMALE	0	0
RACE	WHITE	0	0
	NON-WHITE	0	0
ALCOHOL	TESTED	0	0
	POSITIVE	0	0
AUTOPSY	AUTOPSIED	0	0

ABORTIONS
BY MONTH FOR THE YEAR 1989



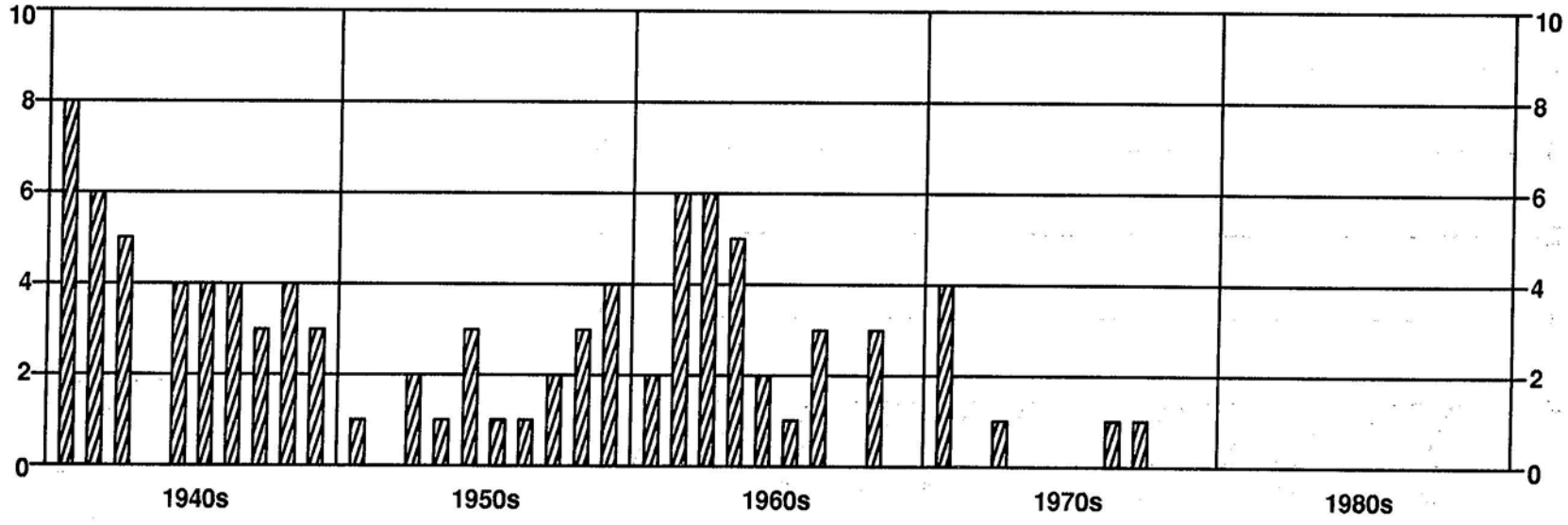
1989
TOTAL CASES
0

TABLE 87

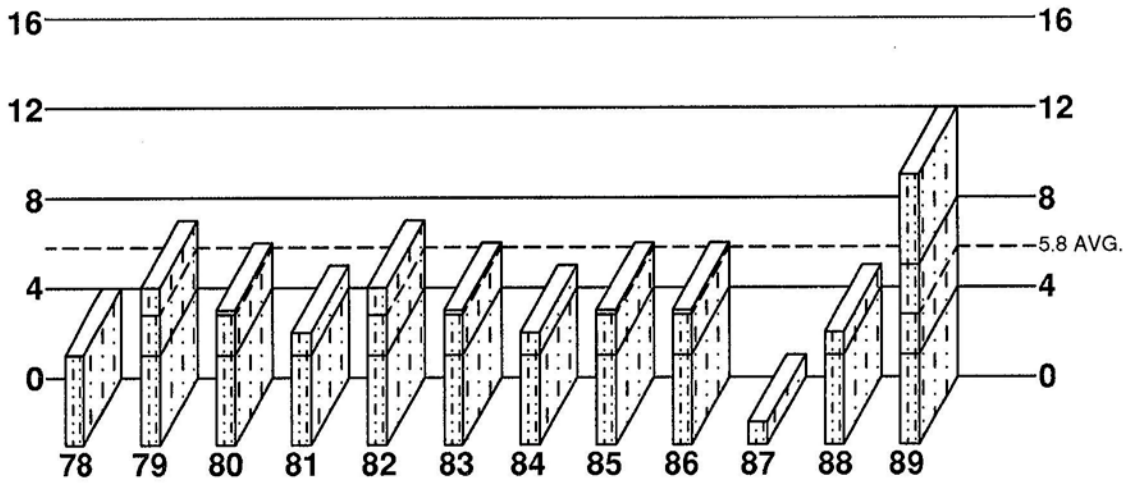
ABORTION FATALITIES

NO FATALITIES RECORDED IN THIS CATEGORY IN 1989

ABORTION FATALITIES FOR A PERIOD OF FIFTY YEARS / 1940 - 1989

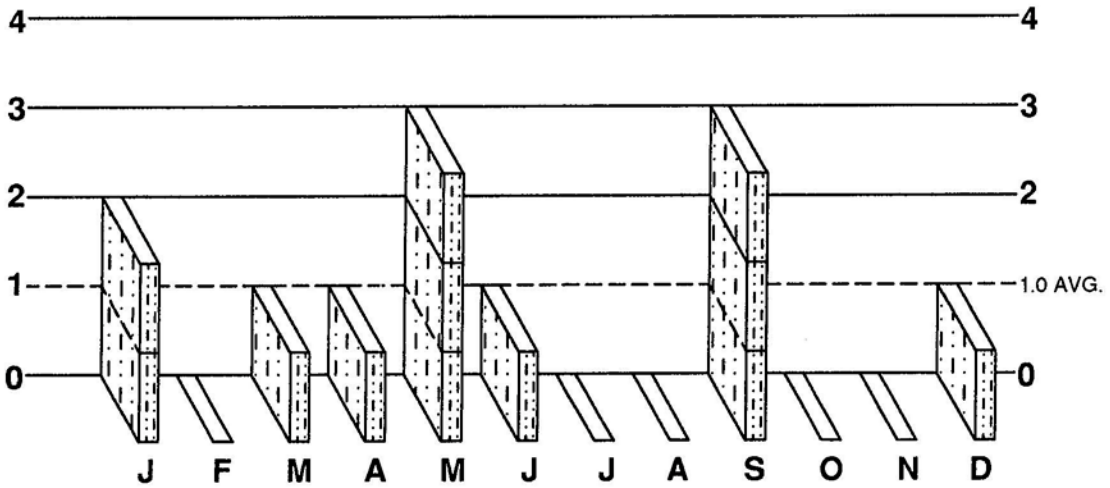


NEONATAL AND INTRA-UTERINE DEATHS
FOR A PERIOD OF TWELVE YEARS



		NUMBER	PERCENT
SEX	MALE	3	25
	FEMALE	9	75
RACE	WHITE	4	33
	NON-WHITE	8	67
ALCOHOL	TESTED	9	75
	POSITIVE	1	11
AUTOPSY	AUTOPSIED	11	92

NEONATAL AND INTRA-UTERINE DEATHS
BY MONTH FOR THE YEAR 1989



1989
TOTAL CASES
12

TABLE 88 NEONATAL AND INTRA-UTERINE DEATHS* BY MONTH AND AGE GROUPS

	GROUP I				GROUP II				GROUP III				GROUP IV					
	LIVE BIRTH		FOETAL DEATH		LIVE BIRTH		FOETAL DEATH		LIVE BIRTH		FOETAL DEATH		LIVE BIRTH		FOETAL DEATH		TOTAL	
MONTH	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
JANUARY				1								1						2
FEBRUARY																		
MARCH												1						1
APRIL						1												1
MAY					1						1	1					2	1
JUNE										1								1
JULY																		
AUGUST																		
SEPTEMBER							1			1		1					1	2
OCTOBER																		
NOVEMBER										1								1
DECEMBER																		
TOTAL				1	1	1	1			3	1	4					3	9

*International Classification of Diseases by World Health Organization: Ninth Revision.

This category includes stillbirths (foetal deaths) and deaths due to natural causes in the early neonatal period (live births).

GROUP I - Less than 20 completed weeks of gestation.

GROUP II - 20 completed weeks of gestation but less than 28.

GROUP III - 28 completed weeks of gestation and over.

GROUP IV - Gestation period not classifiable in GROUP I, II, and III.

AUTOPSIES - NEONATAL AND INTRA-UTERINE DEATHS* BY MONTH AND AGE GROUPS — TABLE 89

	GROUP I				GROUP II				GROUP III				GROUP IV					
	LIVE BIRTH		FOETAL DEATH		LIVE BIRTH		FOETAL DEATH		LIVE BIRTH		FOETAL DEATH		LIVE BIRTH		FOETAL DEATH		TOTAL	
MONTH	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
JANUARY				1								1						2
FEBRUARY																		
MARCH												1						1
APRIL						1												1
MAY					1						1	1					2	1
JUNE										1								1
JULY																		
AUGUST																		
SEPTEMBER							1			1		1					1	2
OCTOBER																		
NOVEMBER																		
DECEMBER																		
TOTAL				1	1	1	1			2	1	4					3	8

*International Classification of Diseases by World Health Organization: Ninth Revision.

This category includes stillbirths (foetal deaths) and deaths due to natural causes in the early neonatal period (live births).

GROUP I - Less than 20 completed weeks of gestation.

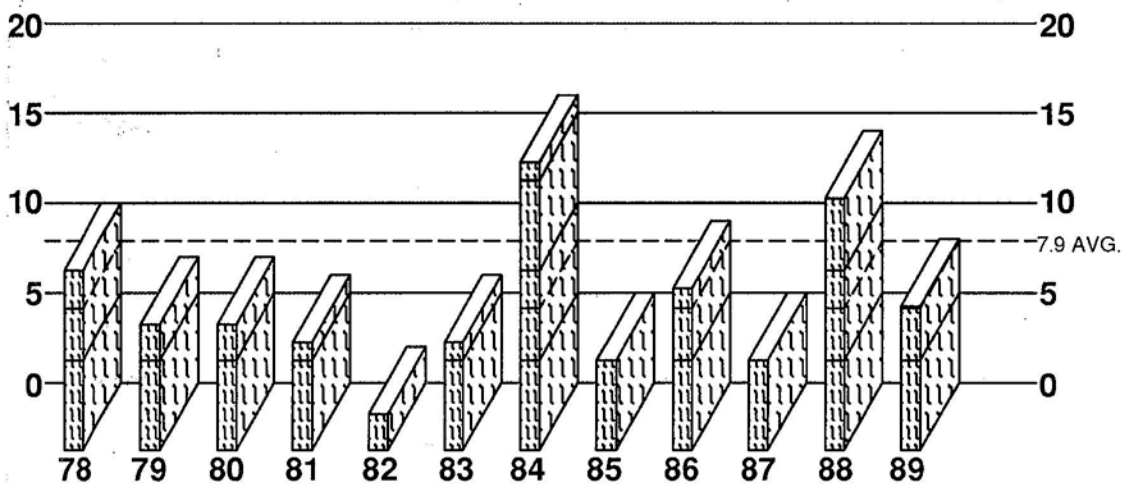
GROUP II - 20 completed weeks of gestation but less than 28.

GROUP III - 28 completed weeks of gestation and over.

GROUP IV - Gestation period not classifiable in GROUP I, II, and III.

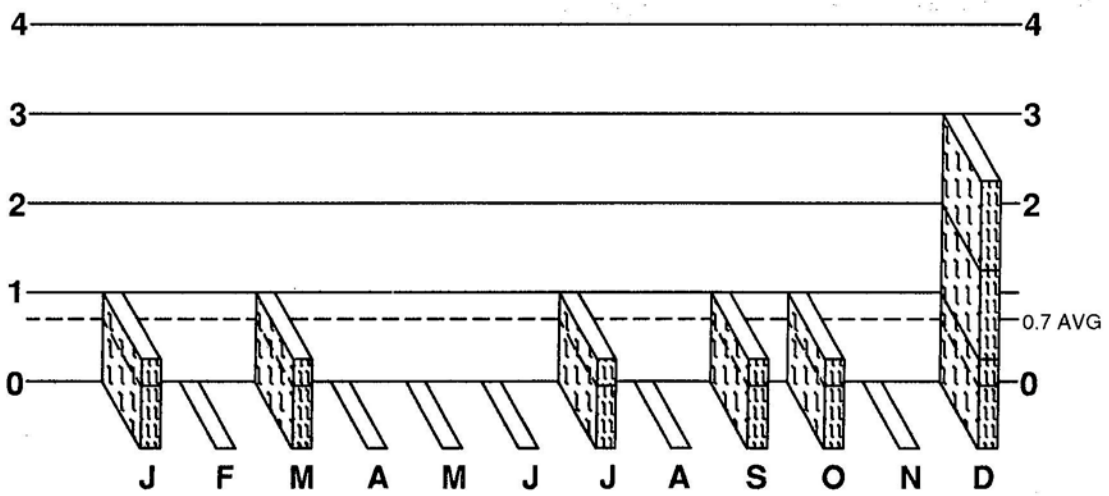
LAKE ISAAC WILDLIFE SANCTUARY (CLEVELAND METROPARKS SYSTEM)

UNDETERMINED CAUSES
FOR A PERIOD OF TWELVE YEARS



		NUMBER	PERCENT
SEX	MALE	3	38
	FEMALE	5	62
RACE	WHITE	7	88
	NON-WHITE	1	12
ALCOHOL	TESTED	7	88
	POSITIVE	5	71
AUTOPSY	AUTOPSIED	8	100

UNDETERMINED CAUSES
BY MONTH FOR THE YEAR 1989



1989
TOTAL CASES
8

TABLE 90 DEATHS FROM UNDETERMINED CAUSES

COLOR	SEX	AGE	MARITAL STATUS	DATE OF DEATH	OCCUPATION	WHERE DEATH OCCURED	CASE NUMBER
W	F	29	Married	1 - 13 - 89	Housewife	Cleveland	202742
W	F	64	Single	3 - 15 - 89	Secretary	Brooklyn	203214
W	F	34	Divorced	7 - 12 - 89	Waitress	Cleveland	204217
W	F	61	Single	9 - 8 - 89	Charwoman	Cleveland	204676
W	M	21	Single	10 - 16 - 89	Plater/Aircraft Industry	Cleveland	204977
B	M	31	Single	12 - 2 - 89	Office Worker	East Cleveland	205363
W	F	57	Divorced	12 - 22 - 89	Homemaker	Euclid	205556
W	M	21	Single	12 - 23 - 89	Student	Cleveland	205573

8 cases were autopsied but no cause of death could be assigned.

Advanced postmortem decomposition in 1 case.

Toxicology examination and alcohol determination conducted on 7 cases.

Alcohol determination resulted in 5 positive cases and 2 negative cases.

INCIDENCE OF POISONINGS (%) IN TESTED INDIVIDUALS

TABLE 91

	CUYAHOGA COUNTY CORONER'S OFFICE CASES			
	NUMBER OF DECEDENTS		NUMBER OF FATAL POISONINGS	
AUTOPSIED	1601	(52.9%)	131	(98.5%)
NON-AUTOPSIED	1427	(47.1%)	2	(1.5%)
TOTAL	3028	(100.0%)	133	(100.0%)

NO SAMPLES*	564	(18.6%)	3	(2.3%)

*No specimens submitted for toxicological analysis.
81.5% of Coroner's Cases were tested for toxicological analysis.

SAMPLES RECEIVED FROM OUTSIDE REFERRING AGENCIES		
SOURCE	NUMBER	
OTHER HOSPITALS AND FORENSIC AGENCIES	39	(10.6%)
DECEDENTS FROM OTHER CORONER'S JURISDICTION	93	(25.4%)
PROFICIENCY CASES	75	(20.4%)
POLICE CASES	160	(43.6%)
TOTAL	367	(100.0%)

TABLE 91A INCIDENCE AND FREQUENCY OF POSITIVE FINDINGS

SUBSTANCES	CUYAHOGA COUNTY CORONER'S LABORATORY CASES[1]					
	POSITIVE CASES			FATAL POISONINGS		
	INCIDENCE	% TOTAL CASES	% TOTAL CASES WITH SAMPLES RECEIVED	INCIDENCE	% TOTAL CASES	% TOTAL CASES WITH SAMPLES RECEIVED
Acetaminophen	64	2.11	2.60	10	7.52	7.69
Barbiturates (Total)	(88)	2.91	3.57	(7)	5.26	5.38
Amobarbital	3	0.10	0.12	3	2.26	2.31
Butabarbital	1	0.03	0.04			
Pentabarbital	4	0.13	0.16			
Phenobarbital	28	0.92	1.14	2	1.50	1.54
Secobarbital	2	0.07	0.08	2	1.50	1.54
Benzodiazepine (Total)	(92)	3.04	3.73	(27)	20.30	20.80
Chlordiazepoxide	7	0.23	0.28	5	3.76	3.85
Diazepam	29	0.96	1.18	7	5.16	5.38
n-Desmethylchlordiazepoxide	2	0.07	0.08	1	0.75	0.77
n-Desmethyldiazepam	46	1.52	1.87	10	7.52	7.69
Demoxepam	3	0.10	0.12	2	1.50	1.54
Lorazepam	1	0.03	0.04	1	0.75	0.77
Oxazepam						
Temazepam						
Benztropine	2	0.07	0.08			
Brompheniramine	1	0.03	0.04			
Caffeine	4	0.13	0.16			
Carbon Monoxide[2]	49	1.62	1.98	44	33.10	33.60
Carbamazepine[2]	7	0.23	0.28			
Carbinoxamine						
Chlorpheniramine	10	0.33	0.41	1	0.75	0.77
Chlorpropamide	3	0.10	0.12			
Cocaine	85	2.81	3.45	19	14.30	14.60
Cocaine Metabolite	90	2.97	3.65	19	14.30	14.60
Corrosives	2	0.02	0.08	2	1.54	1.54
Cyclobenzaprine						
Dextromethorphan	7	0.23	0.28	1	0.75	0.77
Diphenhydramine	20	0.66	0.82	1	0.75	0.77
Disopyramide	4	0.13	0.16			
Doxylamine	1	0.03	0.04			
Ibuprofen						
Ketamine	8	0.26	0.32			
Lidocaine	285	9.41	11.60	16	12.00	12.30
Meperidine	18	0.59	0.73	4	3.01	3.08
Meprobamate	3	0.10	0.12	1	0.75	0.77
Methadone	2	0.07	0.08			

TOXICOLOGY LABORATORY REPORT

INCIDENCE AND FREQUENCY OF POSITIVE FINDINGS — TABLE 91A (continued)

	CUYAHOGA COUNTY CORONER'S LABORATORY CASES[1]					
	POSITIVE CASES			FATAL POISONINGS		
SUBSTANCES	INCIDENCE	% TOTAL CASES	% TOTAL CASES WITH SAMPLES RECEIVED	INCIDENCE	% TOTAL CASES	% TOTAL CASES WITH SAMPLES RECEIVED
Normeperidine	6	0.20	0.24	4	3.01	3.08
Norpropoxyphene	46	1.52	1.87	12	9.02	9.23
Opiates (Total)	(94)	3.10	3.81	(34)	25.60	26.20
Codeine	33	1.09	1.34	12	9.02	9.23
Hydromorphone	2	0.07	0.08	1	0.75	0.77
Morphine	59	1.95	2.39	21	15.80	16.20
Oxycodone						
Orphenadrine	1	0.03	0.04			
Pentazocine	3	0.10	0.12	1	0.75	0.77
Phencyclidine	2	0.07	0.08			
Phenothiazines (Total)	(20)	0.66	0.81	(2)	1.50	1.54
Chlorpromazine	7	0.23	0.28			
Mesoridazine	1	0.03	0.04	1	0.75	0.77
Pyrilamine	1	0.03	0.04			
Thioridazine	4	0.13	0.16			
Others	8	0.26	0.32	1	0.75	0.77
Phenytoin	64	2.11	2.60	3	2.26	2.31
Placidyl						
Propoxyphene	49	1.62	1.99	13	9.77	10.00
Propranolol	1	0.03	0.04	1	0.75	0.77
Primidone	4	0.13	0.16	1	0.75	0.77
Quinidine	2	0.07	0.08			
Quinine	18	0.59	0.73	2	1.50	1.54
Tricyclic Antidepressants (Total)	(50)	1.65	2.03	(33)	24.80	25.40
Amitryptyline	17	0.56	0.69	5	3.76	3.85
Amoxapine	1	0.03	0.04			
Desipramine	10	0.33	0.41	7	5.26	5.38
Doxepin	5	0.17	0.20	4	3.01	3.08
Imipramine	5	0.17	0.20	4	3.01	3.08
Nordoxepin	3	0.10	0.12	2	1.50	1.54
Nortriptyline	8	0.26	0.32	4	3.01	3.08
Trimipramine	1	0.03	0.04			
Salicylate	15	0.50	0.61	7	5.26	5.38
Sympathomimetics (Total)	(56)	1.85	2.27	(8)	6.02	6.15
beta-Phenethylamine[2]	24	0.79	0.97	3	2.26	2.31
Ephedrine	15	0.50	0.61	4	3.01	3.08
Mephentermine	1	0.03	0.04			
Phentermine						

TABLE 91A (continued) INCIDENCE AND FREQUENCY OF POSITIVE FINDINGS

SUBSTANCES	CUYAHOGA COUNTY CORONER'S LABORATORY CASES[1]					
	POSITIVE CASES			FATAL POISONINGS		
	INCIDENCE	% TOTAL CASES	% TOTAL CASES WITH SAMPLES RECEIVED	INCIDENCE	% TOTAL CASES	% TOTAL CASES WITH SAMPLES RECEIVED
Sympathomimetics (continued)						
Phenylpropanolamine	10	0.33	0.41	1	0.75	0.77
Δ^9 - Tetrahydrocannabinol 11 - nor - Δ^9 - Tetrahydrocannabinol - 9 - Carboxylic Acid	6	0.20	0.24	2	1.50	1.54
Theophylline[2]	3	0.10	0.12			
Tripelennamine	1	0.03	0.04	1	0.75	0.77
Volatiles (Total)	(502)	16.60	20.40	(45)	33.80	34.60
Acetone	22	0.73	0.89	1	0.75	0.77
Chloroform	1	0.03	0.04	1	0.75	0.77
Ethanol	470	15.50	19.10	38	28.60	29.20
Hydrocarbons	1	0.03	0.04	1	0.75	0.77
Isopropanol	5	0.17	0.20	2	1.50	1.54
Methanol						
Methylene Chloride	1	0.03	0.04			
Toluene	2	0.07	0.08	1	0.75	0.77
Trichloroethanol						
TOTAL						

1. All autopsied decedents from whom specimens were submitted and 30% of the remaining unautopsied decedents preceding spot tests were completely evaluated (as defined by 2 - 10 on Table 92). Specimens from the remaining decedents were tested primarily for ethyl alcohol and its analogues and spot tests when urine was submitted.
2. Evaluation for this agent only carried out by special request.

TOXICOLOGY LABORATORY REPORT

INCIDENCE OF ANALYTES IN POSITIVE CASES* — TABLE 91B

CUYAHOGA COUNTY CORONER'S LABORATORY CASES											
1985				1986				1987			
ALL CASES (%)		FATAL POISONINGS (%)		ALL CASES (%)		FATAL POISONINGS (%)		ALL CASES (%)		FATAL POISONINGS (%)	
Ethanol	15.42	Carbon Monoxide	44.00	Ethanol	14.10	Benzodiazepines	41.36	Ethanol	15.46	Carbon Monoxide	41.91
Lidocaine	6.54	Benzodiazepines	36.80	Lidocaine	5.99	Carbon Monoxide	35.34	Lidocaine	8.12	Ethanol	29.41
Acetaminophen	5.86	Ethanol	31.20	Acetaminophen	5.29	Ethanol	31.58	Acetaminophen	3.80	Benzodiazepines	27.21
Benzodiazepines	4.74	Tricyclic Antidepressants	26.40	Benzodiazepines	5.25	Tricyclic Antidepressants	27.07	Benzodiazepines	3.36	Tricyclic Antidepressants	26.40
Salicylate	2.70	Opiates	16.80	Salicylate	3.07	Propoxyphene Norpropoxyphene	22.20	Cocaine/ Cocaine Metabolite	3.32	Propoxyphene/ Norpropoxyphene	22.79
Opiates	2.52	Acetaminophen	15.20	Opiates	2.89	Opiates	19.58	Opiates	3.21	Opiates	21.32
Carbon Monoxide	2.19	Propoxyphene/ Norpropoxyphene	12.00	Cocaine/ Cocaine Metabolite	2.37	Acetaminophen	18.05	Carbon Monoxide	2.47	Cocaine/ Cocaine Metabolite	15.44
				Tricyclic Antidepressants	2.37			Tricyclic Antidepressants	2.47		
Sympathomimetics	2.16	Barbiturates	10.40	Carbon Monoxide	2.29	Cocaine/ Cocaine Metabolite	15.79	Prpoxyphene/ Norpropoxypyene	2.21	Acetaminophen	14.71
Tricyclic Antidepressants	2.08	Sympathomimetics	9.60	Propoxyphene/ Norpropoxyphene	1.81	Sympathomimetics	9.42	Salicylate	1.77	Lidocaine	8.82
		Lidocaine	9.60	Sympathomimetics	1.81						
Meperidine/ Normeperidine	1.98	Cocaine/ Cocaine Metabolite	7.20	Meperidine/ Normeperidine	1.44	Salicylate	7.52	Barbiturates	1.33	Barbiturates	5.15

*A *"Positive Case"* is one wherein an exogenous chemical substance was detected from Table 91A. They are based upon total cases submitted in each category.

TABLE 91B (continued) INCIDENCE OF ANALYTES IN POSITIVE CASES*

CUYAHOGA COUNTY CORONER'S LABORATORY CASES

1988				1989			
ALL CASES (%)		FATAL POISONINGS (%)		ALL CASES (%)		FATAL POISONINGS (%)	
Ethanol	16.11	Ethanol	45.99	Ethanol	15.50	Carbon Monoxide	33.10
Lidocaine	9.17	Carbon Monoxide	38.69	Lidocaine	9.41	Cocaine/ Cocaine Metabolite	28.60
						Ethanol	28.60
Cocaine/ Cocaine Metabolite	5.30	Cocaine/ Cocaine Metabolite	37.23	Cocaine/ Cocaine Metabolite	5.78	Opiates	25.60
Benzodiazepines	4.09	Benzodiazepines	35.04	Propoxyphene/ Norpropoxyphene	3.14	Tricyclic Antidepressants	24.80
Opiates	3.76	Opiates	29.93	Opiates	3.10	Benzodiazepines	20.30
Tricyclic Antidepressants	2.78	Tricyclic Antidepressants	21.90	Benzodiazepines	3.04	Propoxyphene/ Norpropoxyphene	18.80
Propoxyphene/ Norpropoxyphene	2.37	Propoxyphene/ Norpropoxyphene	18.25	Barbiturates	2.91	Lidocaine	12.00
Carbon Monoxide	2.30	Lidocaine	12.41	Acetaminophen	2.11	Acetaminophen	7.52
				Phenytoin	2.11		
Acetaminophen	1.94	Phenothiazines	6.57	Sympathomimetics	1.85	Meperidine/ Normeperidine	6.02
						Sympathomimetics	6.02
Phenytoin	1.50	Acetaminophen	5.84	Tricyclic Antidepressants	1.65	Barbiturates	5.26
						Salicylate	5.26

*A *"Positive Case"* is one wherein an exogenous chemical substance was detected from Table 91A. They are based upon total cases submitted in each category.

TOXICOLOGY LABORATORY REPORT

NUMBER OF TESTS PERFORMED — TABLE 92

DRUG GROUP	CUYAHOGA COUNTY CORONER'S LABORATORY CASES TESTS[13]	OUTSIDE REFERRING AGENCIES TESTS[13]	TOTALS
Antiepileptic drugs[1]	6,700	734	7,434
Barbiturates[2]	10,050	2,524	12,574
Benzodiazepines[3]	23,408	2,748	26,156
Carbon Monoxide	226	12	238
Spot tests[4]	2,820	270	3,090
Cocaine metabolite[5]	2,105	344	2,449
Neutral drugs[6]	21,775	2,353	24,128
Opiates[7]	19,645	2,374	22,019
Organic bases[8]	101,641	12,280	113,921
Phencyclidine	2,311	352	2,663
Salicylate	3,348	322	3,670
Sympathomimetics[9]	20,307	2,606	22,913
Volatiles[10]	40,936	4,063	44,999
Xanthenes[11]	5,334	594	5,928
Cannabinoids[12]	335	137	472
TOTAL	260,941	31,713	292,654

TOXICOLOGY LABORATORY REPORT
AGENTS INCLUDED IN DRUG GROUPS ON TABLE 92

1) **Antiepileptic Drugs** ..... Primidone, Phenytoin, Carbamazepine and Phenobarbital.

2) **Barbiturates** ..... Amobarbital, Butabarbital, Butalbital, Pentabarbital and Secobarbital.

3) **Benzodiazepines** ..... Chlordiazepoxide, Diazepam, Flurazepam, n-Desalkylflurazepam, n-Desmethylchlordiazepoxide, n-Desmethyldiazepam, Demoxapam, and Oxazepam.

4) **Spot Tests** ..... Ethchlorvynol, Acetaminophen, Salicylate, Glucose and Ketone bodies, Imipramine and Phenothiazines.

5) **Cocaine Metabolite** ..... Benzoylecgonine.

6) **Neutral Drugs** ..... Gluthethimide, Meprobamate, Methaqualone, Methyprylon, Chlorpropamide and Tolbutamide.

7) **Opiates** ..... Codeine, Hydrocodone, Hydromorphone, Morphine and Oxycodone.

8) **Organic Bases** ..... Amitriptyline, Amoxapine, Brompheniramine, Chlorpheniramine, Chlorpromazine, Cocaine, Cogentin, Cyclizine, Desipramine, Dextromethorphan, Diphenhydramine, Doxepin, Doxylamine, Disopyramide, Imipramine, Ketamine, Lidocaine, Loxapine, Meperidine, Methapyrilene, Methadone Metabolite, Nordoxepin, Nortriptyline, Norpropoxyphene, Normeperidine, Orphenadrine, Pentazocine, Phencyclidine, Phenyltoloxamine, Pheniramine, Promethazine, Propoxyphene, Protriptyline, Pyrilamine, Propranolol, Quinine, Quinidine, Trimpramine and Tripelennamine.

9) **Sypathomimetics** ..... Amphetamine, Methamphetamine, Ephedrine, Phenmetrazine, Phendimetrazine, Phentermine, Mephentermine and Phenylpropanolamine.

10) **Volatiles** ..... Acetone, Ethyl Alcohol, Isopropanol and Methanol.

11) **Xanthenes** ..... Acetaminophen, Caffeine, and Theophylline.

12) **Cannabinoids** ..... 11-nor-Δ^9-Tetrahydrocannabinol-9-Carboxylic Acid, Δ^9-Tetrahydrocannabinol and 11-Hydroxy-Δ^9-Tetrahydrocannabinol.

13) Number of tests performed for total analytes from a given group.

TOXICOLOGY LABORATORY REPORT

PROFICIENCY STUDIES

TABLE 92A

AGENCY	SURVEY TYPE	NUMBER OF SURVEYS	NUMBER OF SAMPLES			NUMBER OF SUBSTANCES FOUND
			BLOOD	URINE	OTHER	
College of American Pathologists (CAP)	Alcohol Toxicology	8	24		8	32
College of American Patholigists (CAP)	Urine Toxicology	4		12		37
Programa DeControl DeCalidad (Spain)	Urine Toxicology Drugs of Abuse	5		30		59
Department of Transportation (Federal)	Alcohol	2	8			8
Pennsylvania Department of Health	Drugs of Abuse	4		16		25
Wisconsin State Laboratory of Hygiene	Alcohol	11	25	4		29
TOTAL		34	57	62	8	190

In 1989 the Cuyahoga County Coroner's Office Toxicology Laboratory participated in 34 proficiency surveys. The performance of the laboratory was rated satisfactory by the agencies conducting the surveys.

TABLE 93 SUBSTANCES INVOLVED IN FATAL POISONINGS

SUBSTANCES	ACCIDENTS	SUICIDE	V.U.O.	TOTAL
Single Chemical Agent:				
Amitriptyline		1		1
Chloroform	1			1
Chronic Drug Abuse	1			1
Cocaine	11			11
Desipramine	1	1		2
Doxepin		2		2
Imipramine		1		1
Insulin		1		1
Isopropyl Alcohol	2			2
Lemon Fresh Lysol Disinfectant	1			1
Lighter Fluid (hydrocarbon)	1			1
Methylene Chloride	1			1
Morphine	2			2
Normeperidine	1			1
Nortriptyline		1		1
Opiate	3			3
Salicylate	3	2		5
Toilet Bowl Cleaner		1		1
Unidentified Chemical Substance				
TOTAL	30	10		40
Combined Effect of Ethanol and:				
Amobarbital	1			1
Chlordiazepoxide	1			1
Cocaine	2			2
Opiate	2			2
Pentazocine	1			1
Cocaine and Opiate	1			1
Diazepam and Opiate	1			1
Opiates and Diphenhydramine	1			1
Prolixin and Marijuana	1			1
Codeine, Morphine and Lorazepam		1		1
Propoxyphene, Benzodiazepines and Acetaminophen		1		1
Salicylate, Propoxyphene and Propanolol		1		1
Acetaminophen, Diazepam, Meperidine and Propoxyphene	1			1
Propoxyphene, Opiate, Benzodiazepine and Acetaminophen	1			1
TOTAL	13	3		16

SUBSTANCES INVOLVED IN FATAL POISONINGS — TABLE 93 (continued)

SUBSTANCES	ACCIDENTS	SUICIDE	V.U.O.	TOTAL
Combined Effect of Two Chemical Agents:				
Amitriptyline and Chlordiazepoxide		1		1
Amobarbital and Secobarbital		1		1
Cocaine and Opiate	3			3
Codeine and Acetaminophen		1		1
Codeine and Morphine	1			1
Desipramine and Imipramine	2	1		3
Meperidine and Chlordiazepoxide		1		1
Mesoridazine and Chlordiazepoxide		1		1
Propane and Isobutane (aerosol propellant)	1			1
Propoxyphene and Mepromatae	1			1
Propoxyphene and Norpropoxyphene	1			1
Salicylate and Opiates		1		1
TOTAL	9	7		16
Combined Effect of Three Chemical Agents:				
Amitriptyline, Nortriptyline and Propoxyphene		1		1
Cocaine, Opiates and Phenobarbital	1			1
Cocaine, Doxepin and Dextromethorphan	1			1
Codeine, Propoxyphene and Acetaminophen	1			1
Diazepam, Codeine and Cannabinoids	1			1
Dexopin, Diazepam and Meperidine	1			1
Propoxyphene, Codeine and Acetaminophen	2			2
Toluene, Desipramine and Diazepam		1		1
TOTAL	7	2		9
Combined Effect of Four Chemical Agents:				
Amobarbital, Secobarbital, Diazepam and Morphine	1			1
Cocaine, Codeine, Opiate and Acetaminophen	1			1
Cocaine, Diazepam, Propoxyphene and Amitriptyline		1		1
Propoxyphene, Benzodiazepine, Salicylate and Unidentified Material	1			1
TOTAL	3	1		4
Combined Effect of Five Chemical Agents:				
Cocaine, Propoxyphene, Chlorpheniramine, Benzodiazepines and Opiates	1			1
TOTAL	1			1
GRAND TOTAL	63	23		86

TOXICOLOGY LABORATORY REPORT

TABLE 93A* POISONING FATALITIES 1978 - 1989

YEAR	ACCIDENTS						HOMICIDE		SUICIDE		MANNER UNDETERMINED		TOTAL	
	HOME		WORK		OTHER PLACES									
	CO	OTHERS	CO	OTHERS	CO	OTHERS	CO	OTHERS	CO	OTHERS	CO	OTHERS	CO	OTHERS
1978	39	17			5	4			39	30		6	83	57
1979	38	31	1	1	3	5	1		38	44	2	4	83	85
1980	35	24			2	12	10		42	35	1	2	90	73
1981	30	38			1	5	3		33	41	5		72	84
1982	33	28	1		1	6	4	1	28	35			67	70
1983	24	26			4	3	3		26	28	1	1	58	58
1984	24	37	1		4	4			26	25	3	2	58	68
1985	21	27	2			7	3		32	29		4	58	67
1986	24	34				11	3		26	27	1	7	54	79
1987	24	34			1	12	9		24	22	4	6	62	74
1988	28	42	2		2	24	2		24	12		1	58	79
1989	28	42		3	2	18			17	23			47	86
TOTAL	348	380	7	4	25	111	38	1	355	351	17	33	790	880
TOTALS	728		11		136		39		706		50		1670	

*This table appeared as TABLE 93B in previous editions of the Coroner's Statistical Report. CARBON MONOXIDE FATALITIES (formally Table 93A) has been eliminated from this years edition.

INCIDENCE OF POLYPHARMACY (FINDINGS FROM 133 POISONING FATALITIES)

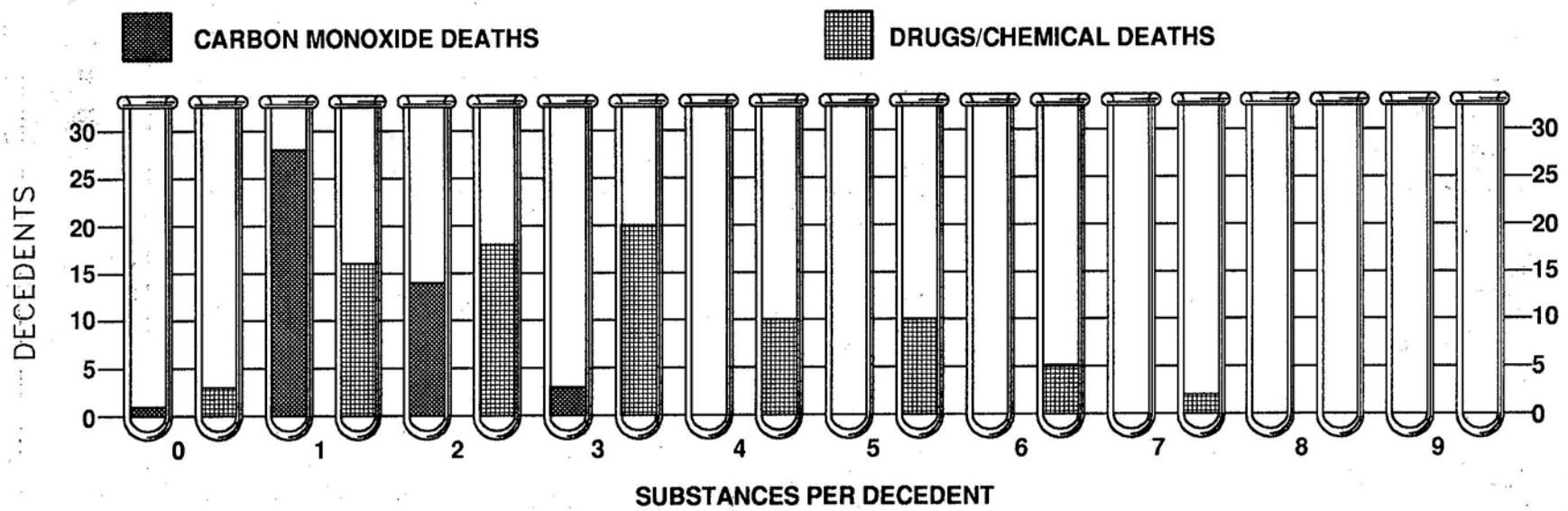


TABLE 93B** RELATIVE LETHALITY INDEX (RLI) 1983 - 1989

DRUG/GROUP	1983	1984	1985	1986	1987	1988	1989
Acetaminophen	11	11	12	17	19	15	16
Barbiturates (Total)	25	30	30	27	19	0	8
Phenobarbital	10	19	0	11	10	0	7
Benzodiazepines (Total)	26	27	35	39	41	43	29
Diazepam	25	28	29	33	41	40	24
n-desmethyldiazepam	24	23	28	38	42	45	22
n-desalkylflurazepam	26	17	*	*	*	*	*
Carbon Monoxide	100	90	90	76	85	84	90
Chlorpheniramine	0	36	15	25	*	9	10
Chlorpropamide	0	8	0	*	*	0	*
Cocaine	0	28	17	48	24	36	22
Cocaine Metabolite	40	31	22	26	22	34	21
Dextromethorphan	*	*	*	17	*	9	*
Diphenhydramine	16	21	31	37	5	21	5
Doxylamine	20	20	*	17	*	*	*
Ethanol	9	10	9	11	10	14	8
Lidocaine	7	2	6	5	5	7	7
Meperidine	15	26	14	4	0	10	22
Methadone	*	33	*	*	*	*	*
Methadone Metabolite	*	27	*	*	*	*	*
Normeperidine	18	35	15	0	*	*	*
Norpropoxyphene	41	29	27	65	52	37	26
Opiates (Total)	22	23	30	35	33	40	36
Codeine	15	21	18	29	27	45	36
Morphine	13	27	39	34	38	37	36

RELATIVE LETHALITY INDEX (RLI) 1983 - 1989 — TABLE 93B (continued)

DRUG/GROUP	1983	1984	1985	1986	1987	1988	1989
Phenothiazines (Total)	23	23	13	35	19	38	5
Phenytoin	8	4	8	7	18	2	5
Propoxyphene	50	32	50	56	52	40	27
Quindine	*	5	0	12	*	*	*
Quinine	*	18	8	*	10	36	11
Tricyclic Antidepressant (Total)	45	42	57	56	52	39	66
Amitriptyline	42	39	*	73	40	33	29
Desipramine	70	*	*	*	8	*	70
Doxepine	*	*	*	60	*	54	*
Imipramine	40	*	*	*	*	*	*
Nordoxepine	*	*	*	50	*	60	*
Nortriptyline	45	44	58	64	48	25	*
Salicylate	8	13	11	12	15	*	47
Sympathomimetics (Total)	10	8	20	25	6	27	14
Ephedrine	10	*	25	20	8	23	27
Phenylpropanolamine	12	10	18	28	0	40	10
Theophylline	9	*	6	0	*	*	*
Tripelennamine	31	*	*	*	*	*	*

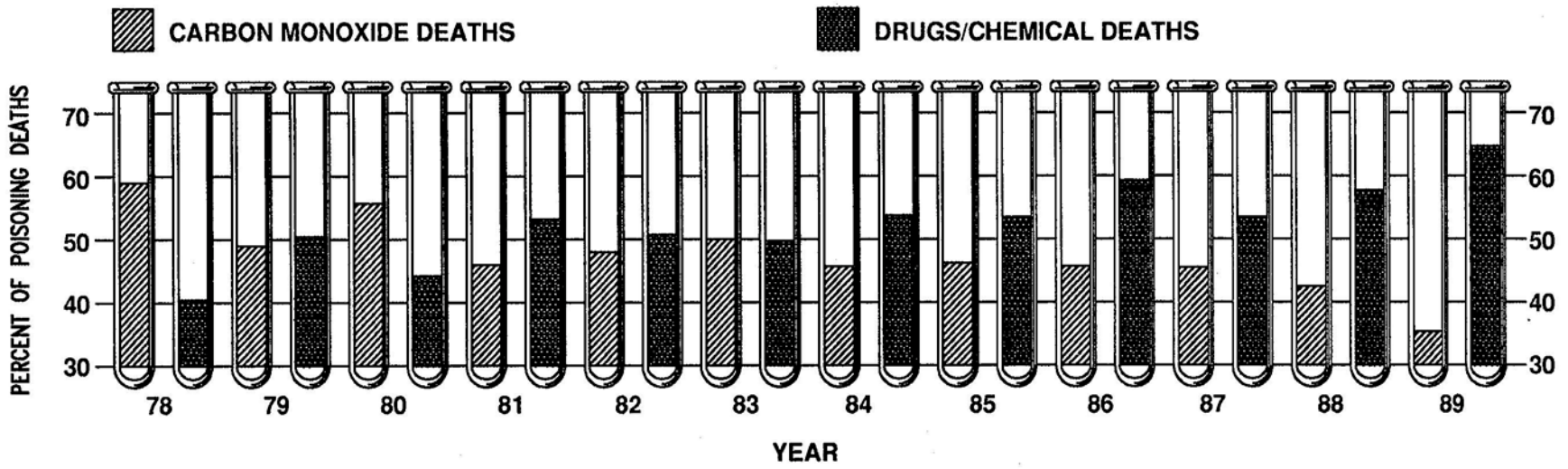
RLI - Number of times analyte/group found in poisoning death divided by total number of times analyte/group found times one hundred, taken to the nearest whole number.

NOTE: These calculations and comparisons are based upon ten or more findings per total population.

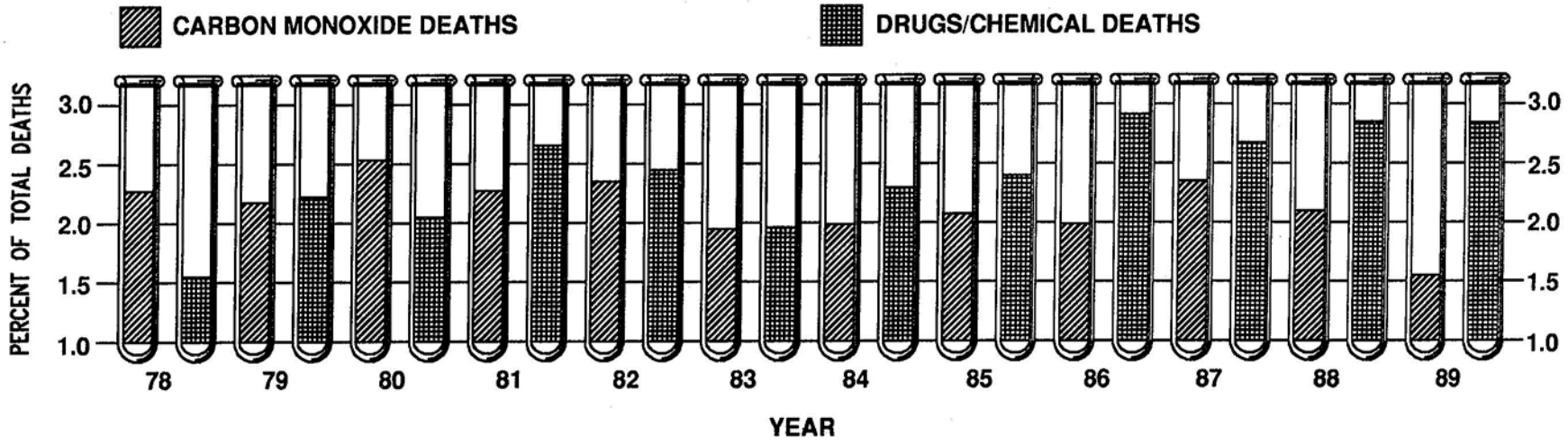
* Less than ten findings per total population.

**This table appeared as TABLE 93C in previous editions of the Coroner's Statistical Report.

TOXICOLOGY LABORATORY REPORT
TRENDS IN FATAL POISONINGS



TOXICOLOGY LABORATORY REPORT
TRENDS IN FATAL POISONINGS



EFFECT OF COCAINE ON THE REUPTAKE OF NEUROTRANSMITTERS

PRESYNAPTIC NEURON

MESSAGE SENDING NERVE CELL

POSTSYNAPTIC NEURON

MESSAGE RECEIVING NERVE CELL

VESICLES

NEUROTRANSMITTER STORAGE UNIT

NEUROTRANSMITTERS

IN PARTICULAR:
- DOPAMINE
- SERATONIN
- NOREPINEPHRINE

RECEPTOR SITE

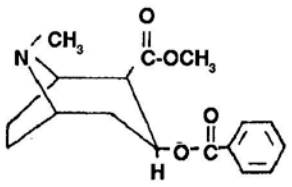
ELECTRICAL IMPULSE

NERVE STIMULATION

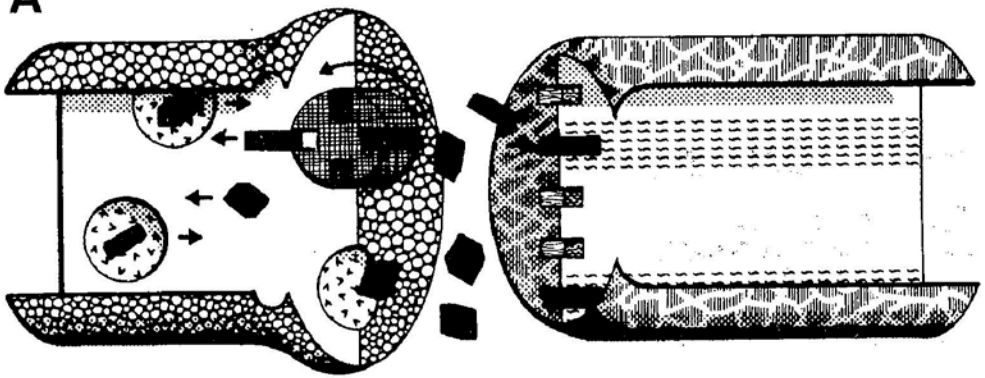
REUPTAKE PUMP

NEUROTRANSMITTER RETRIEVAL AND TRANSPORT MECHANISM

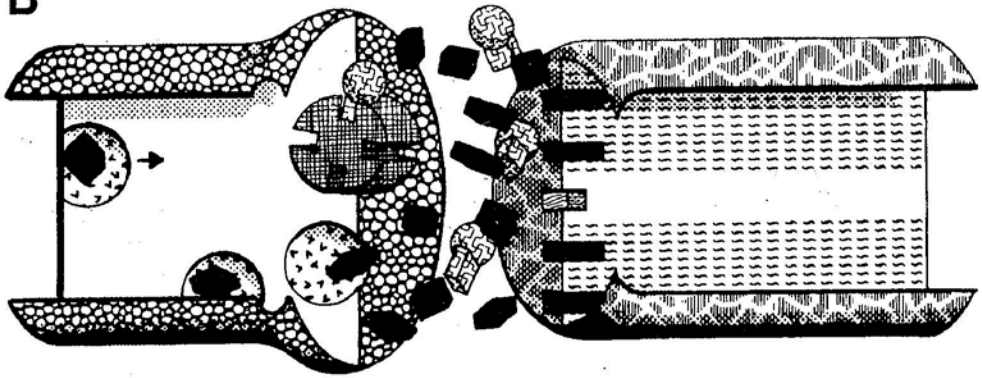
COCAINE MOLECULE



A



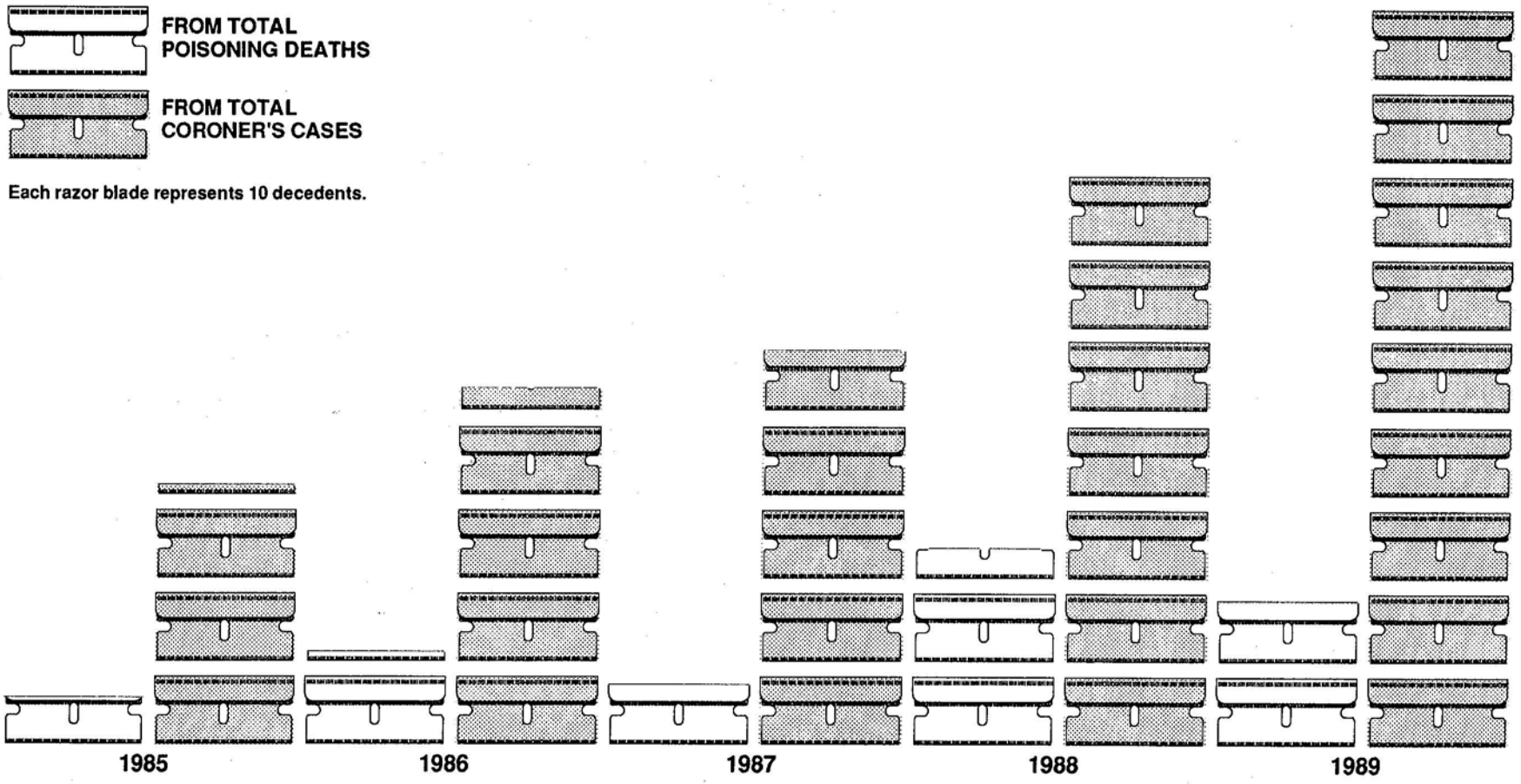
B



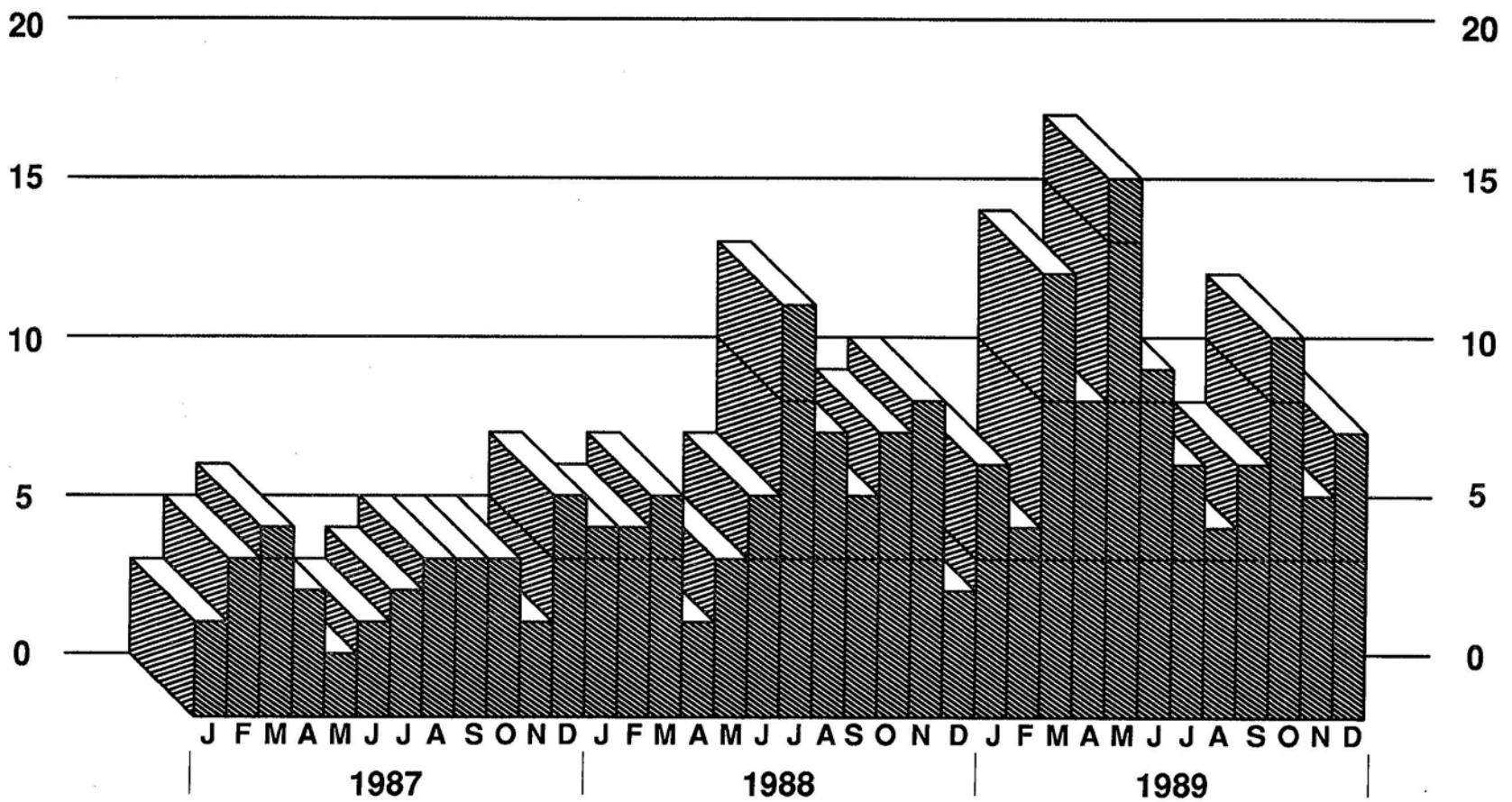
Among the many effects of cocaine are those that involve the blockage of the reuptake of neurotransmitters in various nerve tracks within the brain. Under normal circumstance **(A)**, a message is sent along a nerve track by the action of the release of neurotransmitters from vesicles within the presynaptic neuron into the space (synaptic cleft) between two nerve cells. The neurotransmitter(s) diffuses across the gap and acts on a specific receptor site on the postsynaptic neuron. When this occurs, the message is passed along the nerve track by activating this cell to release its chemical messengers to the next cell, and so on down the line. The activity at the receptor site is normally terminated by the retrieval of the neurotransmitter(s) through a reuptake pump by the cell which had originally released the chemical messengers. This terminates the stimulation of the receiving cell, and the passing of the original message is completed. When cocaine is present **(B)**, the drug serves to block the reuptake mechanism of the nerve cell; hence, the neurotransmitter remains in the synaptic cleft and continues to stimulate the next cell in line. This increased activity leads to, in the case of dopamine or limbic "reward" pathways, the perceived "rush" feelings that are associated with abuse of cocaine. With the sympathetic nervous system this leads to increases in heart rate and blood pressure.

TOXICOLOGY LABORATORY REPORT

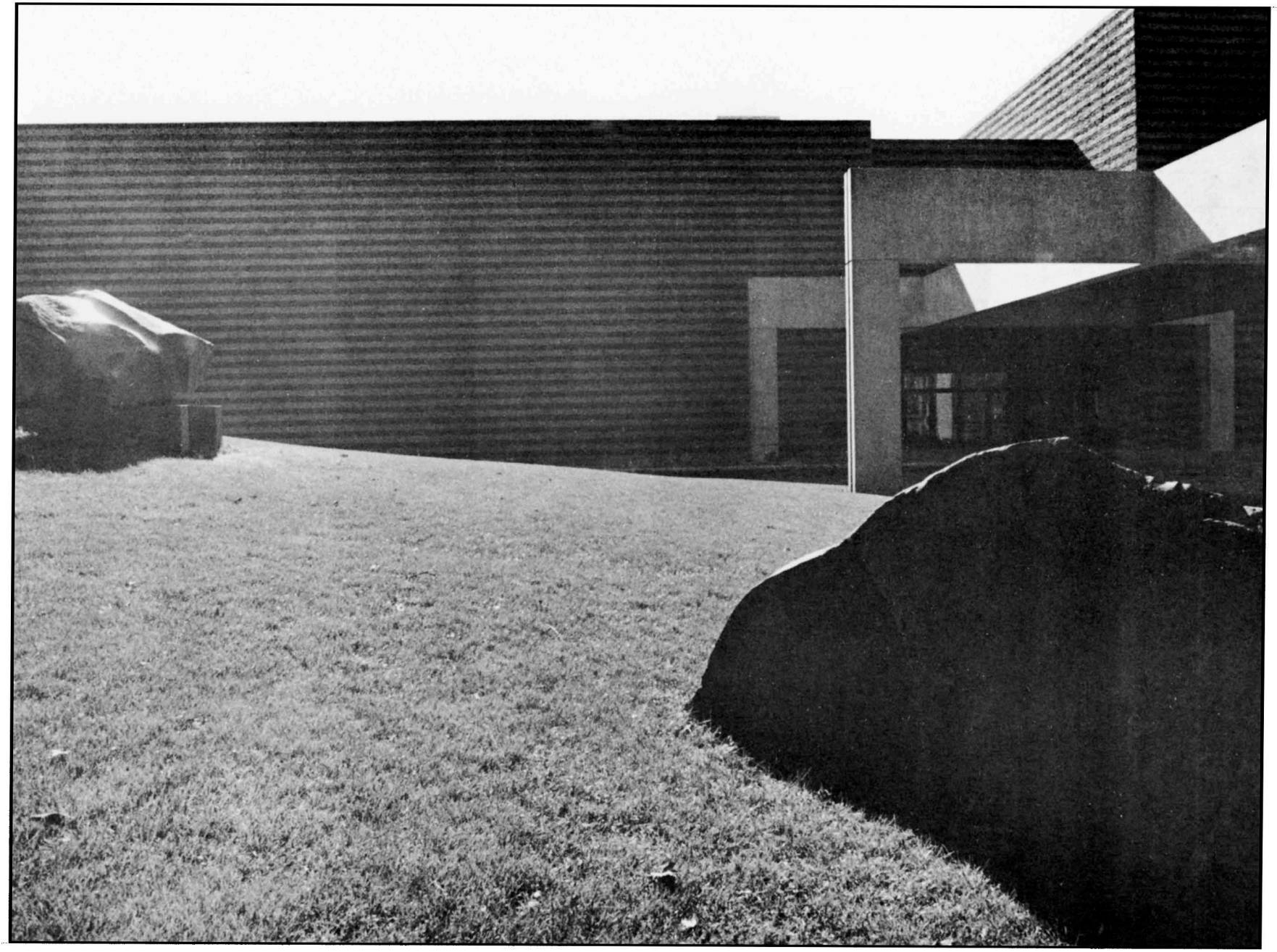
TREND IN COCAINE METABOLITE INCIDENCE 1985 - 1989



TREND IN MONTHLY COCAINE CASE INCIDENCE 1987 - 1989



CLEVELAND MUSEUM OF ART IN UNIVERSITY CIRCLE



TRACE EVIDENCE LABORATORY

SUMMARY

CASES	NUMBER OF CASES	PERCENT OF TOTAL CASES	SPECIMENS*	AVERAGE SPECIMENS PER CASE	TESTS*	AVERAGE TESTS PER CASE
CORONER'S	876	28.9%	7877	9.0	12,634	14.4
OUT OF COUNTY	61	65.6%	316	5.2	371	6.1
NONFATAL	20	-	633	31.7	836	41.8
TOTAL	**957**	**30.0%****	**8826**	**9.2**	**13,841**	**14.5**

* Includes specimens from bodies and evidence.
**Does not include nonfatal cases.

SUMMARY OF COURT APPEARANCES

41 appearances in 38 cases (34 Cuyahoga County coroner's cases, 2 out of county cases, and 2 nonfatal cases).

Time away from office for court appearances: 178 hours and 10 minutes.
Actual time spent testifying at court: 20 hours and 23 minutes.

TRACE EVIDENCE LABORATORY

TABLE 94 — NUMBER OF SPECIMENS RECEIVED

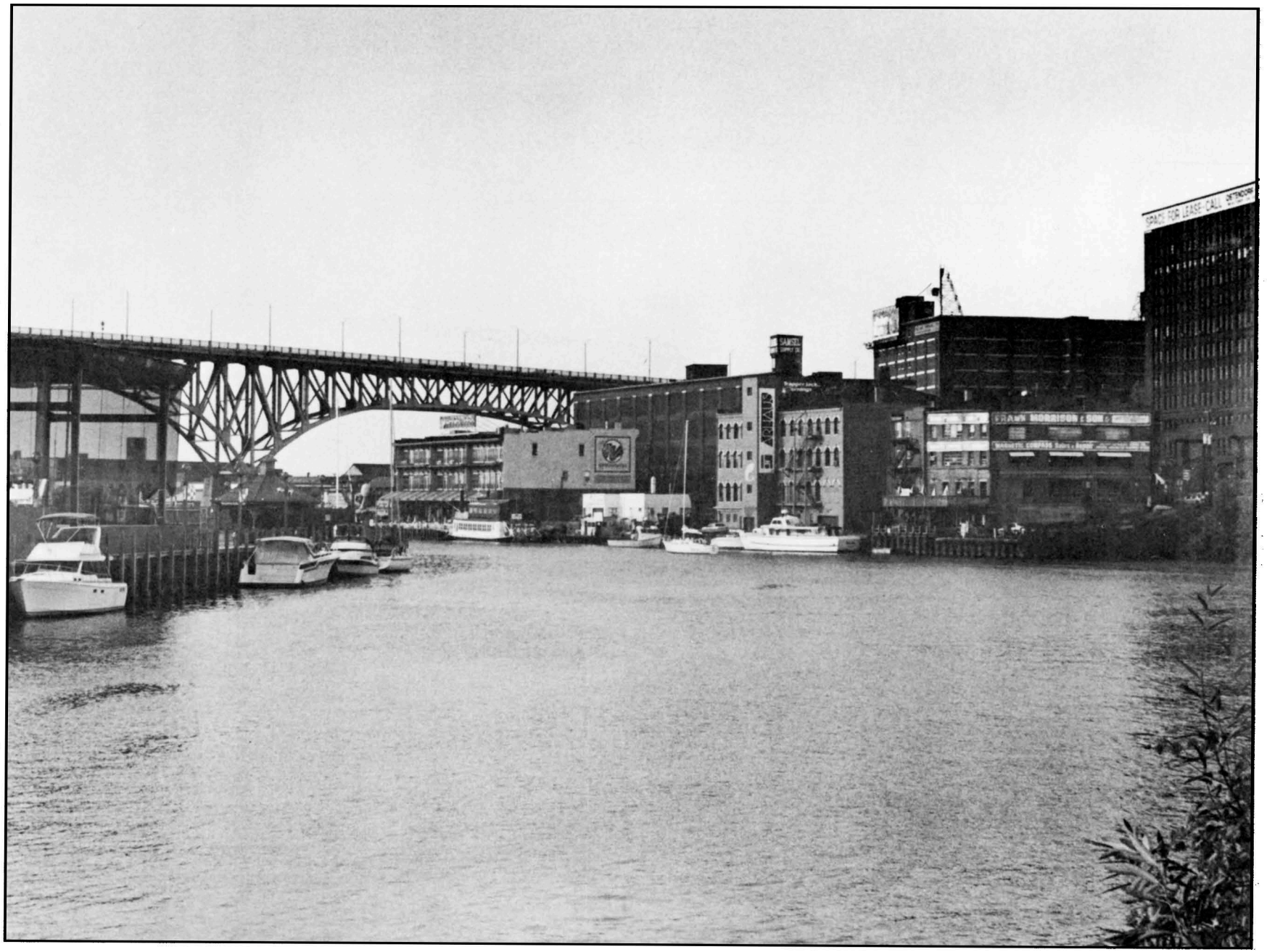
CASES	TOTAL NUMBER OF CASES	SPECIMENS RECEIVED FOR SEROLOGICAL TESTING	SPECIMENS RECEIVED FOR ANALYSIS AND IDENTIFICATION	TOTAL
SPECIMENS FROM BODIES				
CORONER'S CASES	876	1497	3850	5347
OUT OF COUNTY	61	97	164	261
NONFATAL	20	531	102	633
TOTAL	**957**	**2125**	**4116**	**6241**
EVIDENCE				
RE: CORONER'S CASES	110	1360	88	1448
RE: OUT OF COUNTY	5	19	1	20
SCENE VISIT RE: CORONER'S CASES	8	1078	4	1082
SCENE VISIT RE: OUT OF COUNTY	1	34	1	35
TOTAL	**124**	**2491**	**94**	**2585**
GRAND TOTAL	***1081***	***4616***	***4210***	***8826***

TRACE EVIDENCE LABORATORY

NUMBER OF TESTS PERFORMED — TABLE 94A

CASES	TOTAL NUMBER OF CASES	SEROLOGICAL TESTING ON SPECIMENS RECEIVED	ANALYSES AND IDENTIFICATION OF SPECIMENS RECEIVED	TOTAL
SPECIMENS FROM BODIES				
CORONER'S CASES	876	2606	3853	6459
OUT OF COUNTY	61	150	164	314
NONFATAL	20	692	144	836
TOTAL	**957**	**3448**	**4161**	**7609**
EVIDENCE				
RE: CORONER'S CASES	110	3635	99	3734
RE: OUT OF COUNTY	5	20	1	21
SCENE VISIT RE: CORONER'S CASES	8	2437	4	2441
SCENE VISIT RE: OUT OF COUNTY	1	35	1	36
TOTAL	**124**	**6127**	**105**	**6232**
GRAND TOTAL	***1081***	***9575***	***4266***	***13,841***

THE FLATS ON THE BANKS OF THE CUYAHOGA RIVER



HISTOLOGY REPORT — TABLE 95

	CUYAHOGA COUNTY CORONER'S OFFICE	OTHER SOURCES	TOTAL
TISSUE SPECIMENS RECEIVED FROM:			
AUTOPSIES	1497	93	1590
BIOPSIES, ETC.	4		4
TOTAL	1501	93	1594
SECTIONS PREPARED	29,713	1785	31,498
BLOCKS PREPARED	18,580	1126	19,706
TOTAL	48,293	2911	51,204
SLIDES PREPARED AND STAINED:			
ROUTINE HEMATOXLIN - EOSIN	18,992	1152	20,144
TEACHING SLIDES	30	4	34
SPECIAL STAINS FOR DEMONSTRATION OF:			
ACID FAST BACTERIA	17		17
AMYLOID	19	1	20
SENILE PLAQUES	3		3
IRON	17		17
MUCIN	2		2
P.A.S.	36	1	37
SPIROCHETES	1		1
FAT	15		15
GRAM STAIN	7		7
PENTACHROME	5		5
TOTAL	19,144	1158	20,302

PHOTOGRAPHY DEPARTMENT REPORT

The primary purpose of forensic photography at the Coroner's Office is to provide a credible, accurate 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 are routinely photographed. Afterwards, any processing or printing is done within the confines of this office. This is discreet, maintains the uninterupted chain of possession of evidence, and facilitates the availability of negatives, prints, and slides.

Photography is, as part of a case report, the visual addendum to the written notes and observations of the pathologist, the forensic scientist, and 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, saying things that words cannot, and be an investigative tool in itself. Besides recording what can be seen with the human eye, it can, through a variety of special techniques, go beyond that. Infrared, ultraviolet, high-contrast, tone-line, transparent overlays, and photomicroraphy can make the small large, the invisible visible, or otherwise enhance all or some aspect of the photographed subject.

The photo department at this office also has the responsibility and the resources to produce graphics (including this report) and three-dimensional constructs. Charts, graphs, and illustrations are utilized in court for teaching or publication purposes as succinct, effective ways of visually organizing and presenting large quantities of facts and figures. For the same purposes, crime scene reconstructions or other scale models can make a scientific or technical point or investigative process more accessible to jurors, students, or law enforcement personnel in a way that verbal description cannot.

The addition of computer equipment has augmented the talents and capabilities, both human and mechanical, present within this department. The investigative potential includes electronic image enhancement for evidence, and computer aided design for answering spatial relation questions encountered in scene and accident reconstruction. Graphic assignments are completed more quickly and efficiently with the aid of desktop publishing and graphics software. The incorporation of computer technology within the photo department will better serve the citizens of Cuyahoga County.

IDENTIFICATION PICTURES*	3,118
PICTURES OF BODIES AND EVIDENCE	17,491
5" X 7" COLOR PRINTS PRODUCED	14,373
COLOR SLIDES ADDED TO THE FILE	750
BLACK AND WHITE PRINTS PRODUCED	133
POLAROID PRINTS	70
TYPE SLIDES	136
CHARTS AND GRAPHS PRODUCED	63
ILLUSTRATIONS	9
SCALE MODELS	0
AutoCAD®** SCENE AND EVIDENCE ANALYSIS	2

*Includes 93 Out of County Cases
**Computer-aided Design software

FORENSIC ODONTOLOGY REPORT

EXAMINATIONS	CUYAHOGA COUNTY CORONER'S CASES	OTHER CORONER'S CASES	TOTAL
Number of cases examined	23	5	28
Dental charting	18	4	22
Intra-oral X-rays	18	4	22
Comparison with antemortem dental records	16	2	18
Extractions for age estimations	6	0	6
Bite mark analysis	5	1	6
Full denture analysis	0	0	0
Single tooth analysis	0	0	0

The utilization of radiographic investigation in the coroner's office can be grouped under the following general broad headings:

1. Foreign body identification and localization.

2. Documentation of the type and extent of traumatic injuries.

3. The identification of congenital anomalies affecting the skeleton.

4. Demonstration of underlying diseases which may or may not be related to the cause of death.

5. Investigative uses in conjunction with studying specific details.

6. Identification of persons in mass catastrophies or a single unknown victim.

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

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

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

The Cuyahoga County Coroner's Office utilized radiographs in identifying many of the victims of the East Ohio Gas Company disaster in 1944. 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.

The immediate availability of diognostic radiographic equipment in the coroner's office offers the forensic pathologist an invaluable tool which aids in performing the autopsy, saving time, as well as accurately documenting pathologic changes.

One thousand fifty (1,050) radiographs were made in 1989.

NUMBER OF CASES:	9
REMAINS NOT HUMAN:	2
HUMAN REMAINS	
POSITIVE IDENTIFICATION:	6
DEMOGRAPHIC PROFILES:	7
CASES FOR OTHER COUNTIES:	2
FACIAL RECONSTRUCTIONS:	1

LECTURES GIVEN BY THE STAFF

ELIZABETH K. BALRAJ, M.D., CORONER

FEBRUARY: CLEVELAND HEIGHTS POLICE ACADEMY, BASIC SCHOOL, "FUNCTIONS OF THE CUYAHOGA COUNTY CORONER'S OFFICE."

MARCH: CASE WESTERN RESERVE UNIVERSITY, SCHOOL OF LAW, "FORENSIC PATHOLOGY."

APRIL: CASE WESTERN RESERVE SCHOOL OF MEDICINE, PHASE 1 AND 2, "BEHAVIORAL ASPECTS OF INJURY CAUSATION."

CLEVELAND CLINIC FOUNDATION, MEDICAL TECHNOLOGISTS, "FORENSIC PATHOLOGY."

MAY: EMBALMERS ASSOCIATION OF CUYAHOGA COUNTY, "PRACTICAL ASPECTS OF FORENSIC PATHOLOGY."

JULY: MERIDIA HILLCREST PARAMEDICS AND EMT ADVISORY COUNCIL, "DEATH IN THE FIELD."

CLEVELAND HEIGHTS POLICE ACADEMY, BASIC SCHOOL, "FUNCTIONS OF THE CUYAHOGA COUNTY CORONER'S OFFICE."

CASE WESTERN RESERVE UNIVERSITY, 1989, HEALTH SCIENCES SUMMER SYMPOSIUM, "THE ROLE OF COUNTY CORONER."

AUGUST: CASE WESTERN RESERVE UNIVERSITY, CENTER FOR CRIMINAL JUSTICE, BASIC POLICE SCHOOL, "FUNCTIONS OF THE CUYAHOGA COUNTY CORONER'S OFFICE."

INSTITUTE OF PATHOLOGY, UNIVERSITY HOSPITALS OF CLEVELAND, LECTURES FOR PATHOLOGY RESIDENTS, "INTRODUCTION TO FORENSICS."

SEPTEMBER: METRO HEALTH MEDICAL CENTER, DEPARTMENT OF PATHOLOGY, "CUYAHOGA COUNTY CORONER'S OFFICE."

OCTOBER: SOLON UNITED METHODIST CHURCH, MEN'S ORGANIZATION, "CUYAHOGA COUNTY CORONER - ROLES AND FUNCTIONS."

CASE WESTERN RESERVE UNIVERSITY, SCHOOL OF LAW, LAW MEDICINE CENTER, "MEDICINE AND MAN," LECTURES SERIES, FORENSIC PATHOLOGY.

DECEMBER: CASE WESTERN RESERVE UNIVERSITY, CENTER FOR CRIMINAL JUSTICE, BASIC POLICE SCHOOL, "FUNCTIONS OF THE CUYAHOGA COUNTY CORONER'S OFFICE."

LECTURES GIVEN BY THE STAFF (continued)

ROBERT C. CHALLENER, M.D., CHIEF DEPUTY CORONER

FEBRUARY: CLEVELAND HEIGHTS POLICE ACADEMY

MARCH: CUYAHOGA COMMUNITY COLLEGE, "USE OF RADIOGRAPHY IN FORENSIC MEDICINE."

CASE PRESENTATIONS. "MECHANICAL ASPHYXIA."

JULY: MERIDIA SUBURBAN HOSPITAL FOR EMS, "BALLISTICS."

CLEVELAND HEIGHTS POLICE ACADEMY

SEPTEMBER: CASE PRESENTATIONS, "AIR EMBOLISM."

OCTOBER: CASE PRESENTATIONS, "MOTOR VEHICLE ACCIDENT INVESTIGATION."

DECEMBER: CLEVELAND POLICE ACADEMY, "MULTIPLE DEMONSTRATION AUTOPSIES FOR MEDICAL STUDENTS, POLICE OFFICERS AND EMS PERSONNEL."

CLEVELAND HEIGHTS POLICE ACADEMY

CARLOS SANTOSCOY, M.D., DEPUTY CORONER

MARCH: CUYAHOGA COMMUNITY COLLEGE, NINTH ANNUAL BILINGUAL/MULTICULTURAL CAREER DAY.

MAY: WESTLAKE HIGH SCHOOL, 12TH GRADE CONTEMPORARY THOUGHT AND ISSUES CLASS, "DEATH AND DYING."

SEPTEMBER: THE OHIO COLLEGE OF LIMITED MEDICAL PRACTICE, SCHOOL OF MASSOTHERAPY, "AUTOPSY AND FOLLOW UP LECTURE."

OCTOBER: JOURNAL CLUB

STANLEY SELIGMAN, M.D, DEPUTY CORONER

OCTOBER: INSTITUTE OF PATHOLOGY, UNIVERSITY HOSPITALS OF CLEVELAND, LECTURES FOR PATHOLOGY RESIDENTS, "ELECTRICAL AND OTHER BURNS."

NOVEMBER: JOURNAL CLUB.

LECTURES GIVEN BY THE STAFF (continued)

P.S.S. MURTHY, M.D., DEPUTY CORONER

SEPTEMBER: CASE PRESENTATIONS, "ALCOHOL."

INSTITUTE OF PATHOLOGY, UNIVERSITY HOSPITALS OF CLEVELAND, LECTURES FOR PATHOLOGY RESIDENTS, "STAB WOUNDS."

KALIL JIRAKI, M.D., DEPUTY CORONER

SEPTEMBER: CASE PRESENTATIONS, "BALLISTICS."

NOVEMBER: INSTITUTE OF PATHOLOGY, UNIVERSITY HOSPITALS OF CLEVELAND, LECTURES FOR PATHOLOGY RESIDENTS, "GUNSHOT WOUNDS."

BRADFORD HEPLER, PH.D., ASSOCIATE TOXICOLOGIST

FEBRUARY/MARCH: CLEVELAND STATE UNIVERSITY ANALYTICAL TOXICOLOGY I: "ANALYSIS IN FORENSIC TOXICOLOGY"(SIX)

JAMES WENTZEL, PHOTOGRAPHER

RESEARCH PROJECT, "TONE LINE BITE MARK PHOTOGRAPHY." FUNDED BY THE NATIONAL INSTITUE OF JUSTICE.

RONALD ABRAMS, INVESTIGATOR, PROPERTY CLERK

APRIL: PARMA HIGH SCHOOL, SENIORS, HEALTH, SCIENCE DEPARTMENT

NOVEMBER: PARMA HIGH SCHOOL, SENIORS, HEALTH, SCIENCE DEPARTMENT

MARY E. COWAN, SENIOR FORENSIC SCIENTIST, B.S. DEGREE

FEBRUARY: CLEVELAND HEIGHTS POLICE ACADEMY, BASIC SCHOOL. "ROLE OF TRACE EVIDENCE IN CORONER'S INVESTIGATIONS."

MARCH: HEALTH CAREER EXPLORERES, LAKEWOOD HOSPITAL, "THE CORONER'S OFFICE."

CASE WESTERN RESERVE UNIVERSITY, CENTER FOR CRIMINAL JUSTICE, BASIC POLICE COURSE. "TRACE EVIDENCE."

CASE WESTERN RESERVE UNIVERSITY, CENTER FOR CRIMINAL JUSTICE, BASIC POLICE COURSE. "COLLECTION AND SUBMISSION OF PHYSICAL EVIDENCE."

CASE WESTERN RESERVE UNIVERSITY, LAW STUDENTS, "SCIENTIFIC EVIDENCE."

MAY: CUYAHOGA COMMUNITY COLLEGE, BASIC POLICE COURSE, "ROLE OF TRACE EVIDENCE IN CORONER'S INVESTIGATIONS."

JUNE: CASE WESTERN RESERVE UNIVERSITY, CENTER FOR CRIMINAL JUSTICE, HOMICIDE SEMINAR, "TRACE EVIDENCE IN HOMICIDE INVESTIGATIONS."

CASE WESTERN RESERVE UNIVERSITY, CENTER FOR CRIMINAL JUSTICE, BASIC POLICE COURSE. "TRACE EVIDENCE."

CASE WESTERN RESERVE UNIVERSITY, CENTER FOR CRIMINAL JUSTICE, BASIC POLICE COURSE. "COLLECTION AND SUBMISSION OF PHYSICAL EVIDENCE."

JULY: CLEVELAND HEIGHTS POLICE ACADEMY, BASIC SCHOOL. "ROLE OF TRACE EVIDENCE IN CORONER'S INVESTIGATIONS."

AUGUST: CLEVELAND POLICE ACADEMY, BASIC SCHOOL. "ROLE OF TRACE EVIDENCE IN CORONER'S INVESTIGATIONS."

SEPTEMBER: BALDWIN WALLACE COLLEGE CHEMISTRY DEPARTMENT SEMINAR, "TRACE EVIDENCE."

NOVEMBER: CASE WESTERN RESERVE UNIVERSITY, CENTER FOR CRIMINAL JUSTICE, BASIC POLICE SCHOOL. "TRACE EVIDENCE."

CASE WESTERN RESERVE UNIVERSITY, CENTER FOR CRIMINAL JUSTICE, BASIC POLICE SCHOOL. "COLLECTION AND SUBMISSION OF PHYSICAL EVIDENCE."

DECEMBER: CLEVELAND HEIGHTS POLICE ACADEMY, BASIC SCHOOL. "ROLE OF TRACE EVIDENCE IN CORONER'S INVESTIGATIONS."

CLEVELAND POLICE ACADEMY, BASIC SCHOOL. "ROLE OF TRACE EVIDENCE IN CORONER'S INVESTIGATIONS."

CLEVELAND CLINIC. LABORATORY MEDICINE, IMMUNOLOGY LABORATORY IN SERVICE PROGRAM, "TRACE EVIDENCE IN CORONER'S INVESTIGATIONS."

LECTURES GIVEN BY THE STAFF (continued)

SHARON ROSENBERG, FORENSIC SCIENTIST, BS DEGREE

MARCH: OLMSTED FALLS TOWNSHIP SCHOOLS, "TRACE EVIDENCE."

CASE WESTERN RESERVE UNIVERSITY, CENTER FOR CRIMINAL JUSTICE, BASIC POLICE SCHOOL.

APRIL: DEFENSE ATTORNEYS, "TRACE EVIDENCE."

JUNE: CASE WESTERN RESERVE UNIVERSITY, CENTER FOR CRIMINAL JUSTICE, BASIC POLICE SCHOOL.

SEPTEMBER: DEFENSE ATTORNEYS, "TRACE EVIDENCE."

OCTOBER: EXPLORER SCOUTS, SHERIFF'S DEPARTMENT.

NOVEMBER: CASE WESTERN RESERVE UNIVERSITY, CENTER FOR CRIMINAL JUSTICE, BASIC POLICE SCHOOL.

LINDA LUKE, FORENSIC SEROLOGIST, BS DEGREE

MARCH: CASE WESTERN RESERVE UNIVERSITY, CENTER FOR CRIMINAL JUSTICE, BASIC POLICE SCHOOL.

FAIRVIEW HIGH SCHOOL/STUDENT

APRIL: DEFENSE ATTORNEYS, "DNA."

MAY: VISITOR, JENNY KEIL, BAY HIGH SCHOOL.

JUVENILE DIVISION, "SEROLOGY."

CASE WESTERN RESERVE UNIVERSITY, "DNA," PROSECUTORS.

SONYA ANDERSON, SCHOOL OF MEDICAL TECHNOLOGY (SEROLOGY)

JUNE: CASE WESTERN RESERVE UNIVERSITY, CENTER FOR CRIMINAL JUSTICE, BASIC POLICE SCHOOL.

HOMICIDE UNIT, "DNA."

JULY: PROSECUTORS, FBI, "DNA," CASE WESTERN RESERVE UNIVERSITY.

PROSECUTORS, FBI, DEFENSE ATTORNEYS, COLUMBUS.

LECTURES GIVEN BY THE STAFF (continued)

AUGUST: METROPLOITAN BLOOD BANK STUDENTS.

SEPTEMBER: DEFENSE ATTORNEYS, "SEROLOGY."

NOVEMBER: CASE WESTERN RESERVE UNIVERSITY, CENTER FOR CRIMINAL JUSTICE, BASIC POLICE SCHOOL.

CHRIS TOOMA JIAN, BRUSH HIGH SCHOOL, FORENSIC PROGRAM - SHADOW.

DECEMBER: CLEVELAND CLINIC, "FORENSIC SEROLOGY."

ELIZABETH ROBINSON, D.D.S., FORENSIC ODONTOLOGIST

FEBRUARY: NIJ MEETING, LAS VEGAS, "TONE LINE BITE MARK PHOTOGRAPHY."

EIGHT WEEK COURSE IN FORENSIC DENTISTRY FOR DENTAL STUDENTS.

C. OWEN LOVEJOY, PH.D., ANTHROPOLOGIST

APRIL: "HUMAN ORIGINS: ISSUES AND DISCOVERIES." KEYNOTE ADDRESS, SEMINAR ON EVOLUTION AND EDUCATION, CLEVELAND MUSEUM OF NATURAL HISTORY, CLEVELAND, OHIO

"THE EVOLUTION OF HUMAN WALKING." KEYNOTE ADDRESS, REGIONAL CONVENTION, BETA BETA BETA BIOLOGICAL HONOR SOCIETY, BOWLING GREEN, OHIO.

MAY: "HUMAN ORIGINS: THE VIEW IN 1989." RAYMOND A. DART MEMORIAL LECTURE SERIES, C.E. SMITH MUSEUM, CALIFORNIA STATE UNIVERSITY AT HAYWARD, HAYWARD, CALIFORNIA.

"MODELING HUMAN ORIGINS: WHAT ARE THE RULES?" SPRING LECTURE SERIES, INSTITUTE OF HUMAN ORIGINS, BERKELEY, CALIFORNIA.

OCTOBER: "HUMAN ANCESTORS: NEW DISCOVERIES, NEW INTERPRETATIONS." UNIVERSITY OF CALIFORNIA AT BERKELEY EXTENSION, BERKELEY, CALIFORNIA.

"EAST AFRICA: CRADLE OF MANKIND." WAYNE COLLEGE CONTEMPORARY ISSUES FORUM. WAYNE COLLEGE, ORVILLE, OHIO.

"THE ORIGIN OF MAN." OPENING LECTURE OF THE EIGHTH SOUTHERN BIOMEDICAL ENGINEERING CONFERENCE, RICHMOND, VIRGINIA.

NOVEMBER: INSTITUTE OF PATHOLOGY, UNIVERSITY HOSPITALS OF CLEVELAND, LECTURES FOR PATHOLOGY RESIDENT "AGE DETERMINATIONS."

INSTITUTE OF PATHOLOGY, UNIVERSITY HOSPITALS OF CLEVELAND, LECTURES FOR PATHOLOGY RESIDENTS, "SEX DETERMINATIONS."

ABSTRACT: RATE AND PATTERN IN HOMINOID DENTAL MATURATION (WITH S.W.SIMPSON AND R.S. MEINDL.) AMERICAL JOURNAL OF PHYSICAL ANTHROPOLOGY, VOL. 78, NO.2, P. 303, FEBRUARY, 1989.

THE UTILITY OF THE AURICULAR SURFACE AGING TECHNIQUE (WITH M.E. BEDFORD AND K.F. RUSSELL.) AMERICAN JOURNAL OF PHYSICAL ANTHROPOLOGY, VOL. 78, NO. 2, P. 191, FEBRUARY, 1989.

BENJAMIN KAUFMAN, M.D., RADIOLOGIST

OCTOBER: CASE PRESENTATIONS: "INTERPRETATION OF PLAIN," AND "FILMS."

VISITING RESIDENTS:

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AL PERKINS, M.D., CCF
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MARTA STRINDBERG
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ENRIQUE COATES, M.D.
JIN PARK, M.D.
RICHARD PRAYSON, M.D., CCF

PUBLICATIONS BY MEMBERS AND ASSOCIATES OF THE STAFF

CECHNER, R.L., HEPLER, B.R. AND SUTHEIMER, C.A. "EXPERT SYSTEMS IN THE FORENSIC TOXICOLOGY LABORATORY." *DIAGNOSTICS AND CLINICAL TESTING*. 27: 42-45, MAY 1989.

CECHNER, R.L., HEPLER, B.R. AND SUTHEIMER, C.A. "IMPROVING INFORMATION MANAGEMENT IN A METROPOLITAN CORONER'S OFFICE: DESIGN AND IMPLEMENTATION OF A COST EFFECTIVE MINICOMPUTER SYSTEM FOR THE TOXICOLOGY LABORATORY," AMERICAN ACADEMY OF FORENSIC SCIENCES, MEETING ABSTRACT, FEB. 1989.

HEPLER. B.R., SEBROSKY, G.F., LAVINS, E.S. AND SUTHEIMER, C.A. "COMBINED DUAL COLUMN MEGABORE ANALYSIS OF THE ORGANIC BASES AND SYMPATHOMIMETIC AMINES," AMERICAN ACADEMY OF FORENSIC SCIENCES, MEETING ABSTRACT, FEB. 1989

HEPLER, B.R., CECHNER, R.L. AND SUTHEIMER, C.A. "INFORMATION MANAGEMENT IN FORENSIC TOXICOLOGY." *THERAPEUTIC DRUG MONITORING CLINICAL TOXICOLOGY NEWSLETTER* AACC, 4(1), 1-4, JAN. 1989.

KAUFMAN, B., TOMSAK, R.L., KAUFMAN, B.A., ARAFAH, B., BELLON, E.M., SELMAN, W.R. AND MODIC, M.T. "HERNIATION OF THE SUPRASELLAR VISUAL SYSTEM AND THIRD VENTRICLE INTO EMPTY SEELAS: MORPHOLOGICAL AND CLINICAL CONSIDERATIONS," AJNR 10: 65-76, JANUARY, FEBRUARY 1989.

KIDA, M., ABRAMOWSKY, C.R. AND **SANTOSCOY, C**. "CRYPTOCOCCOSIS OF THE PLACENTA IN A WOMAN WITH ACQUIRED IMMUNODEFICIENCY SYNDROME," *HUMAN PATHOLOGY*, VOLUME 20, NO.9, SEPTEMBER 1989

LATIMER, B. AND **LOVEJOY, C.OWEN.** THE CALCANEUS OF AUSTRALOPITHECUS AFARENSIS AND ITS IMPLICATIONS FOR THE EVOLUTION OF BIPEDALISM. *AMERICAN JOURNAL OF PHYSICAL ANTHROPOLOGY*, VOL. 78, NO.3, PP. 369-386, MARCH, 1989.

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ROSS, J.S., **KAUFMAN B.** "CERVICOMEDULLARY AND CRANIOVERTABRAL JUNCTION." CHAPTER 5 IN: *MAGNETIC RESONANCE IMAGING OF THE SPINE*. MODIC, M.T., ROSS, J.S. AND MASARYK (EDS.) YEARBOOK PUBLISHERS, 1989.

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