



1999

Coroner's Statistical Report



**CUYAHOGA COUNTY
CORONER'S STATISTICAL REPORT**

1999

**ELIZABETH K. BALRAJ, M.D.
CORONER**

**SAMUEL R. GERBER BUILDING
11001 CEDAR AVENUE, CLEVELAND, OHIO 44106**

NUMBER OF CASES

1999 NUMBER OF CORONER'S CASES

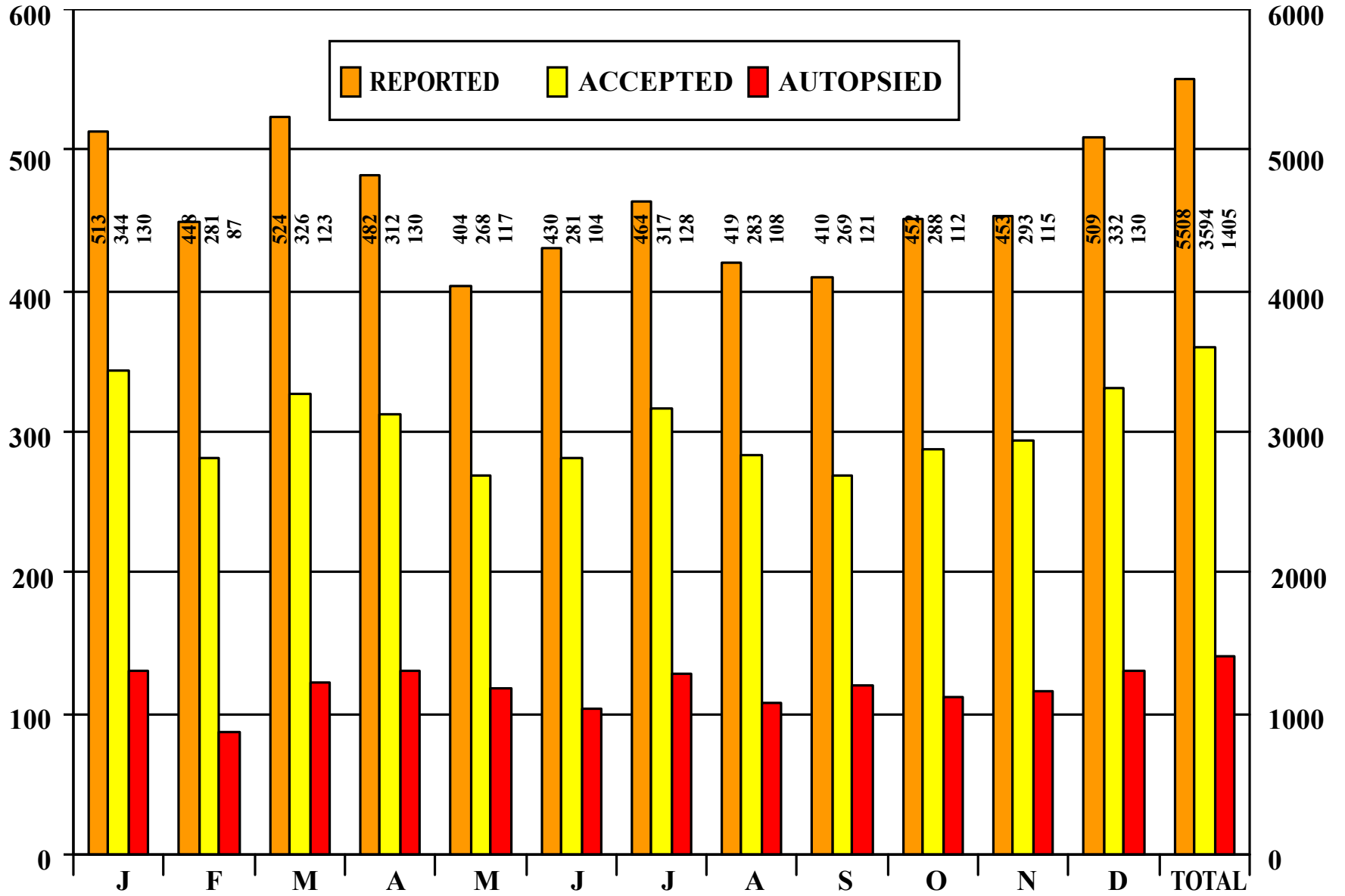


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Coding is classified in Volume 1 and 2 - Ninth Revision of the International Classification of Diseases, World Health Organization.



Elizabeth K. Balraj, M.D.
Coroner

The Sixty First Annual Report of the Cuyahoga County Coroner's Office has been prepared in accordance with our tradition of service to our community. The year Nineteen Ninety-Nine is a landmark year in the history of the Cuyahoga County Coroner's Office because it marks the year the office moved from 2121 Adelbert Road, to a state-of-the-art facility located at 11001 Cedar Avenue, in Cleveland, Ohio. The move took place on June Fifth, 1999. The new office is owned entirely by the county. It is a six story building made up of approximately 141,359 sq. ft. It has ample parking space in an enclosed parking garage. The building stands on three point three three acres of land. It includes a garage with capacity to hold 205 cars.

During the past fifty years, forensic medicine has advanced tremendously. Computer science, DNA technology, and Digital photography and imaging are some of the areas in which progress has taken place. It is with great pride that we participate in these advances. We have utilized these sciences in investigating many deaths due to violence and suspected violence. Having the know how and the ability to use these modern day techniques assists not only investigations of Cuyahoga County Coroner's cases, but also aids other agencies such as law enforcement officials, prosecutor's office, probation department, medical institutions, and other Coroner's offices. These agencies are located in Cuyahoga County, in northeast Ohio, and in other parts of the state. Implementation of these modern investigative tools took vision, enthusiasm, hard work, perseverance, persistence, patience, and dedication on the part of many members of the Cuyahoga County Coroner's Office staff. All of these arduous tasks were accomplished by the current members of the Cuyahoga County Coroner's Office.

Furthermore, what we have learned from these death investigations lends itself to multi-disciplining agency review of some deaths such as deaths involving children, and those involving domestic violence. The purpose of these in depth studies is to help in addressing and implementation of systems, issues, and other corrective measures where necessary. The ultimate goal of these concerted efforts is to prevent these types of deaths from happening in the future.

All of these have been accomplished by the commitment, hard work and dedication of the individuals in various departments of the Coroner's office. Hence, the Year 1999 Annual Report is dedicated to all the current members of the Cuyahoga County Coroner's Office staff, in appreciation and recognition of their exemplary service to our community.

CORONER'S OFFICE

MAIN LOBBY



GENERAL OFFICE AND MEDICAL SECRETARIES

CORONER'S OFFICE

The floor plan shows a curved office layout with several rooms and stations:

- 415**: A workstation area with a computer monitor and keyboard.
- 416**: A LOBBY area with a sofa, chairs, and a potted plant.
- 466**: A workstation area with a computer monitor and keyboard.
- MEC SHA 40**: A workstation area with a computer monitor and keyboard.
- PNUEM. TUBE STATION**: A station for pneumothorax tubes.
- PR**: Two private rooms.
- II C R**: A room at the top of the plan.

Photographs of the office interior are overlaid on the floor plan, showing a reception desk, a woman working at a computer, and a lounge area.

CORONER'S OFFICE

CORONER'S OFFICE AND FACILITIES



ADMINISTRATIVE OFFICES

CORONER'S OFFICE



CORONER'S OFFICE





GEN. OFF.
COMP. RM.

451



STORAGE

452



SAFE

CORONER'S OFFICE

DECOMPOSED VEHICLE BAY
R&P 001
078

CESSED
R. SCA

SH

06

STAIR D

RECEIVING AREA 075

RECEIVING DESK 052

RECEIVING OFFICE 051
1G FILES, BY OTHERS

050

JAN

CART WASHING 048

BODY STORAGE 049

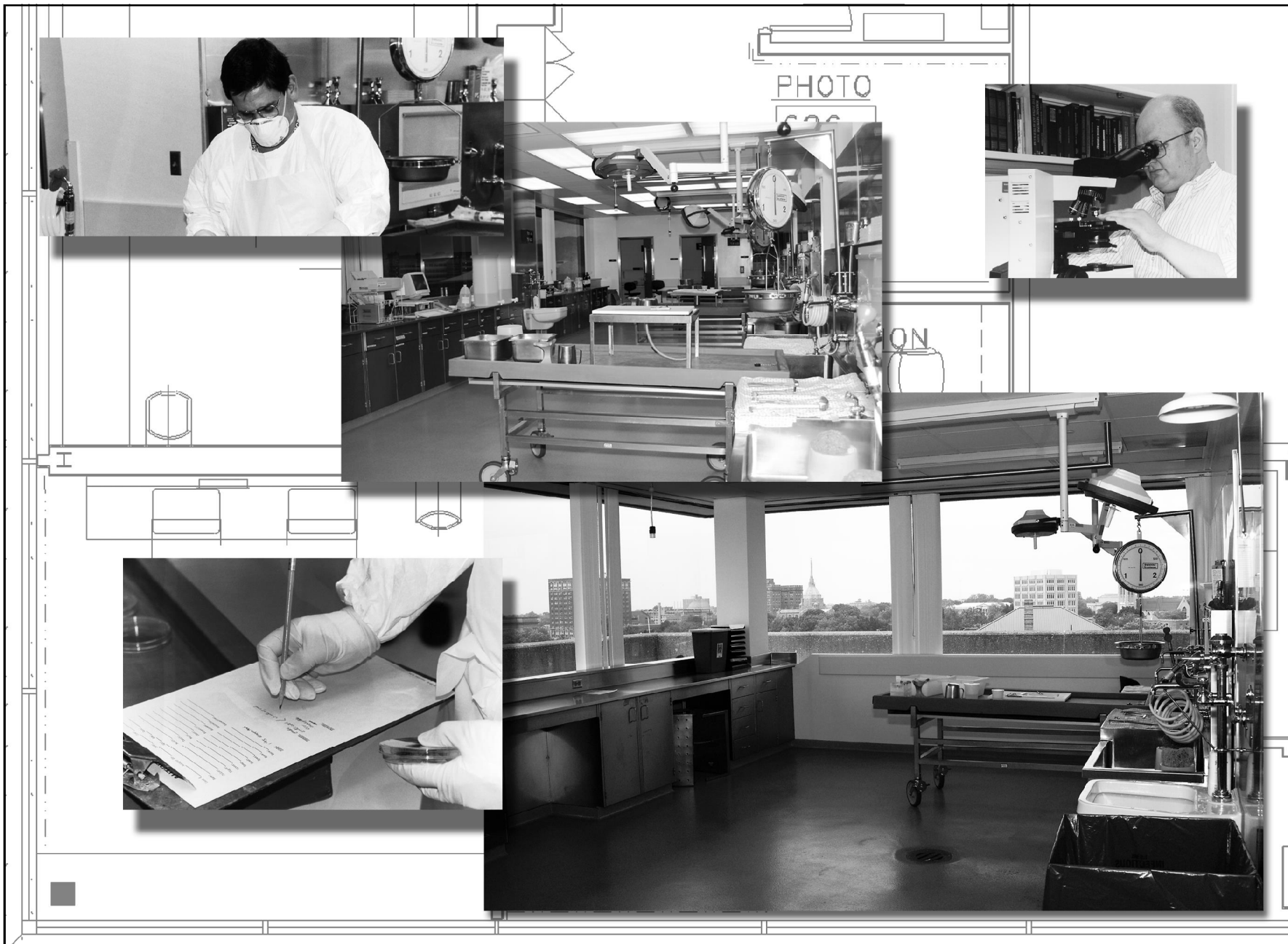
RECESSED FLR. SCALE

1G FILE FINGERPRINT BY OTHERS 047

CLOTHES STOR. 045

AUTOPSY ROOM AND PATHOLOGY

CORONER'S OFFICE





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-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.



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...ö

**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 recordö 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 medial 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 recordö 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 recordö 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 medial condition of a patient and that is generated and maintained in the process of medial treatment.

(4) §Trial preparation recordö 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 evi-

dence 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 possessions 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

WHAT IS A CORONER'S CASE? (continued)

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, of 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 set 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 therefore, 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 recognizance's 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 recognizance's 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

WHAT IS A CORONER'S CASE? (continued)

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 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 of 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 revisions 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) (S) 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 medial, psychiatric, or psychological information to a person who is the subject of the information or to his legal guardian, unless a psychiatrist, or psychologist determines for the agency that the disclosure of the information is likely to have an adverse effect on the person, in

which case 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, including the identity of any users usually granted access to the system.

(F) (1) This section regulates access to personal information 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 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, 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.

WHAT IS A CORONER'S CASE? (continued)

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 au-

topsy is necessary, has 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 distribution corneas to be used for corneal transplants or other medical or medial 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 medial or medial 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.C.S. 1, as amended.

(B) A county coroner who performs an autopsy pursuant section 313.13 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 to enucleate 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 of corneas and certified to the coroner in writing that the corneas will be used only for corneal transplants or other medial 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 organizing 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

WHAT IS A CORONER'S CASE? (continued)

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 daycare center, or administrator 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 wel-

fare 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 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 of 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 implementations 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 officially 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

WHAT IS A CORONER'S CASE? (continued)

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) Disclosure of the information would amount of 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.

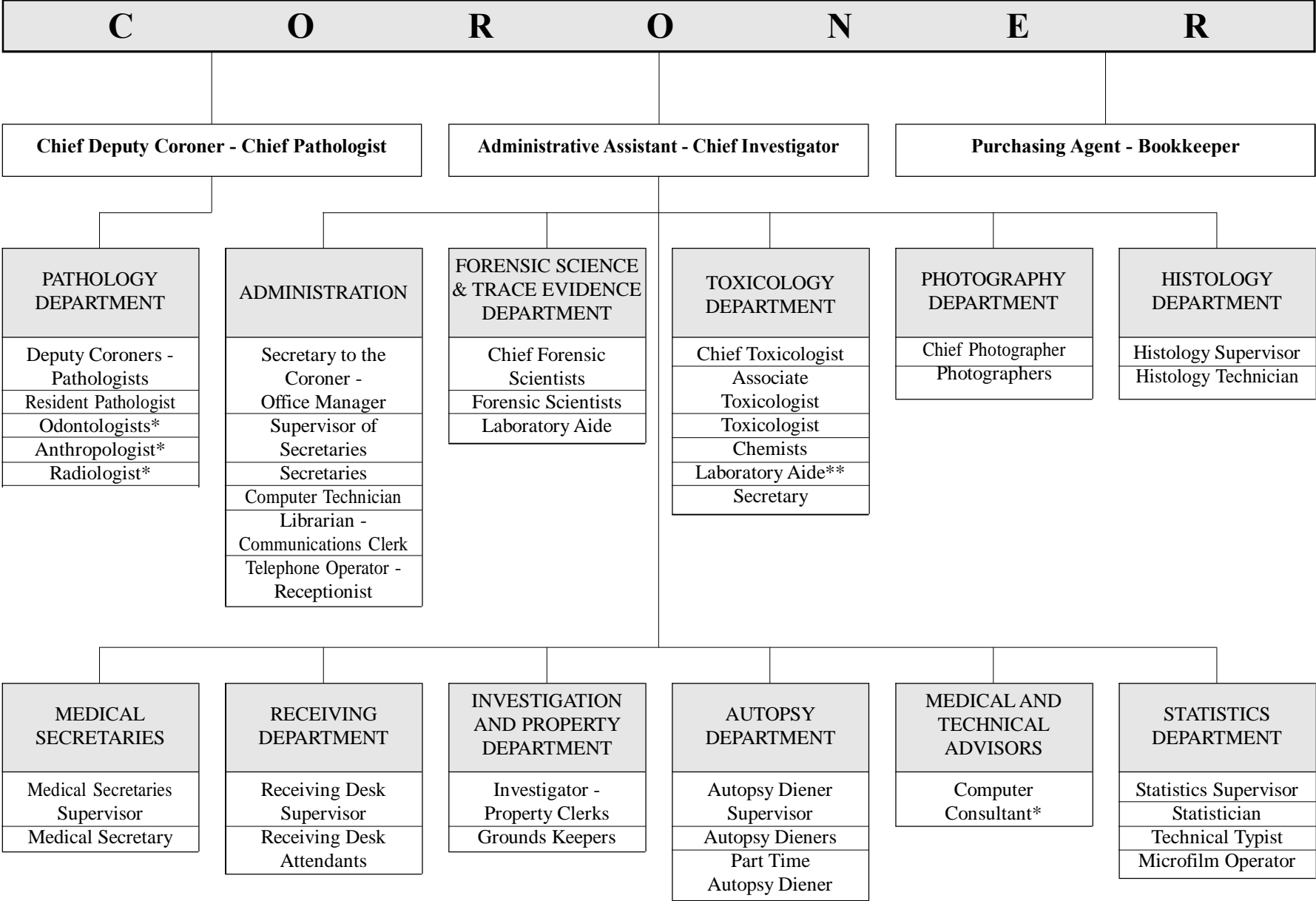
(F) No disclosure of information pursuant to this section gives rise to any liability or recrimination for a breach of privilege or confidence.

(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 certificate 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 a 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.



*Part Time Employee
 **Weekend Autopsy Diener

THE 1999 CORONER'S STAFF (continued)

CORONER..... 1

PATHOLOGY DEPARTMENT

Chief Deputy Coroner - Chief Pathologist 1
 Deputy Coroners - Pathologists 7
 Resident Pathologist 1
Odontologists 2
Anthropologist 1
Radiologist 1

ADMINISTRATION

Administrative Assistant - Chief Investigator 1
 Purchasing Agent - Bookkeeper 1
 Secretary to the Coroner - Office Manager 1
 Supervisor of Secretaries 1
 Secretaries 8
 Technical Typist 1
 Computer Technician 2
 Librarian - Communications Clerk 1
 Telephone Operator - Receptionist 1

FORENSIC SCIENCE & TRACE EVIDENCE DEPARTMENT

Chief Forensic Scientist 1
 Forensic Scientists 5
 Forensic Serologist 1
 Laboratory Aide 2

TOXICOLOGY DEPARTMENT

Chief Toxicologist 1
 Lab Manager 1
 Associate Toxicologists 2
 Chemists 5
 Secretary 1
 Laboratory Aide (weekend autopsy diener) 1

PHOTOGRAPHY DEPARTMENT

Chief Photographer 1
 Photographers 2

HISTOLOGY DEPARTMENT

Histology Supervisor 1
 Histology Technician 1

MEDICAL SECRETARIES

Medical Secretary Supervisor 1
 Medical Secretary 2

RECEIVING DEPARTMENT

Receiving Desk Supervisor 1
 Receiving Desk Attendants 8

INVESTIGATION AND PROPERTY DEPARTMENT

Investigators - Property Clerks 2
 Grounds Keepers 2

AUTOPSY DEPARTMENT

Autopsy Diener Supervisor 1
 Autopsy Dieners 2

MEDICAL AND TECHNICAL ADVISORS

Computer Consultant 1

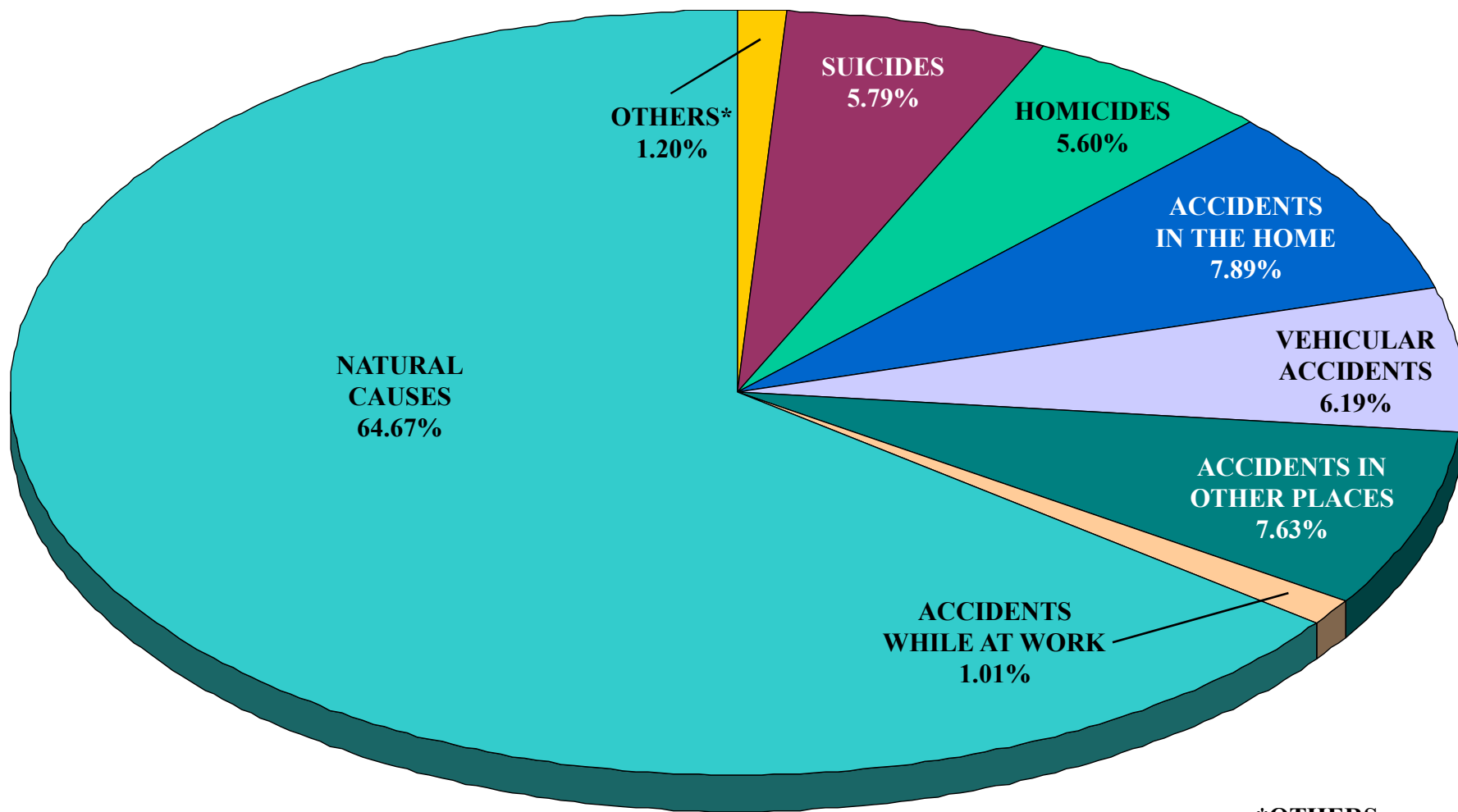
STATISTICS DEPARTMENT

Statistics Supervisor 1
 Statistician 1
 Technical Typist 1
 Microfilm Operator 1

Total Full Time Employees 75
Total Part Time Employees 5
TOTAL (CORONER AND STAFF) 80

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

181,782 CASES (1943 - 1999)

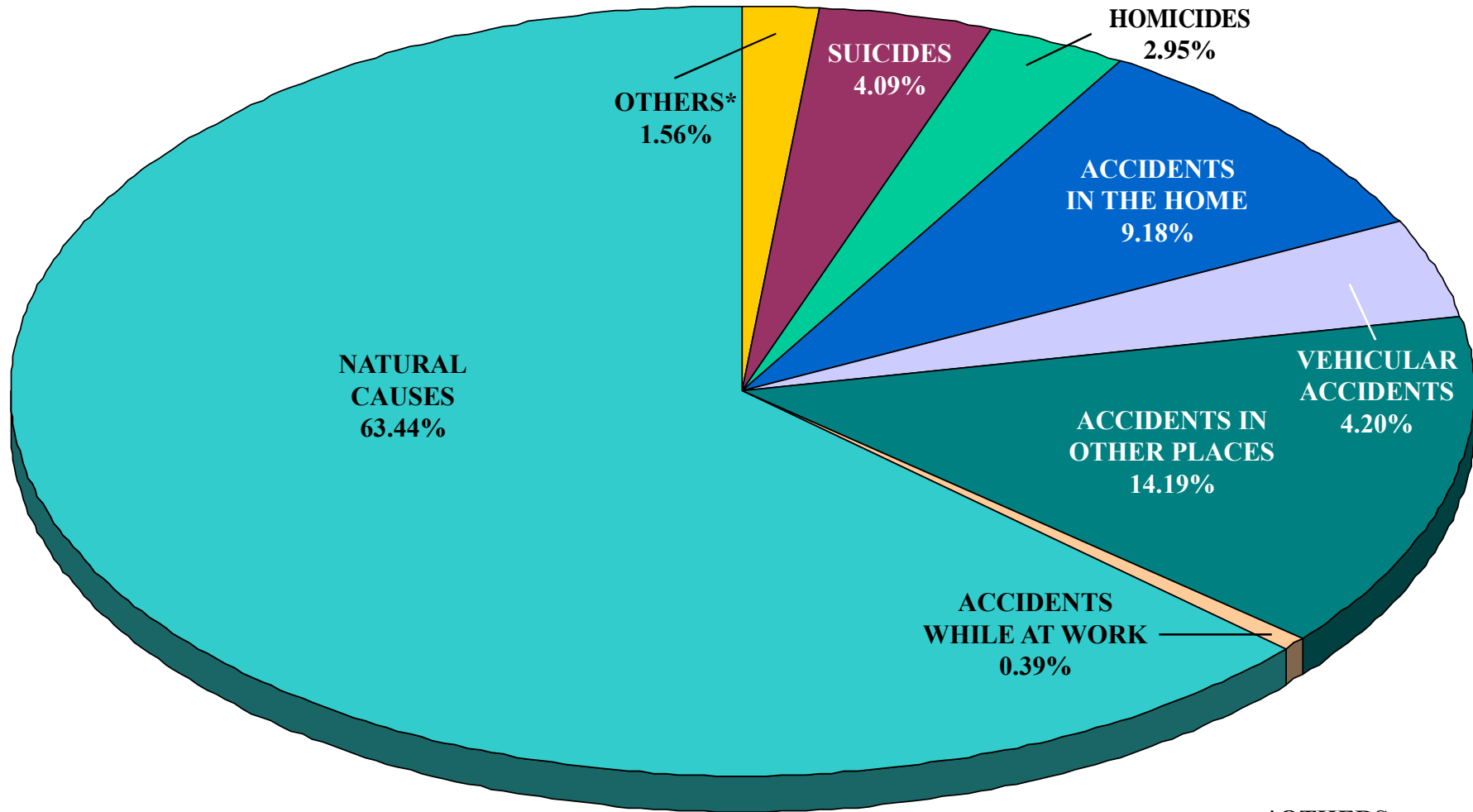


DEATHS FROM ACCIDENTS: 22.73%
 HOMICIDES, SUICIDES AND DEATHS FROM ACCIDENTS: 34.12%
 DEATHS FROM VIOLENCE: 34.67%
 DEATHS FROM NATURAL CAUSES: 65.33%

***OTHERS**
 ABORTIONS: 0.04%
 UNDETERMINED CAUSES: 0.18%
 VIOLENCE OF UNDETERMINED ORIGIN: 0.55%
 NEONATAL AND INTRA-UTERINE DEATHS: 0.43%
TOTAL: 1.20%

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

3,594 CASES (1999)



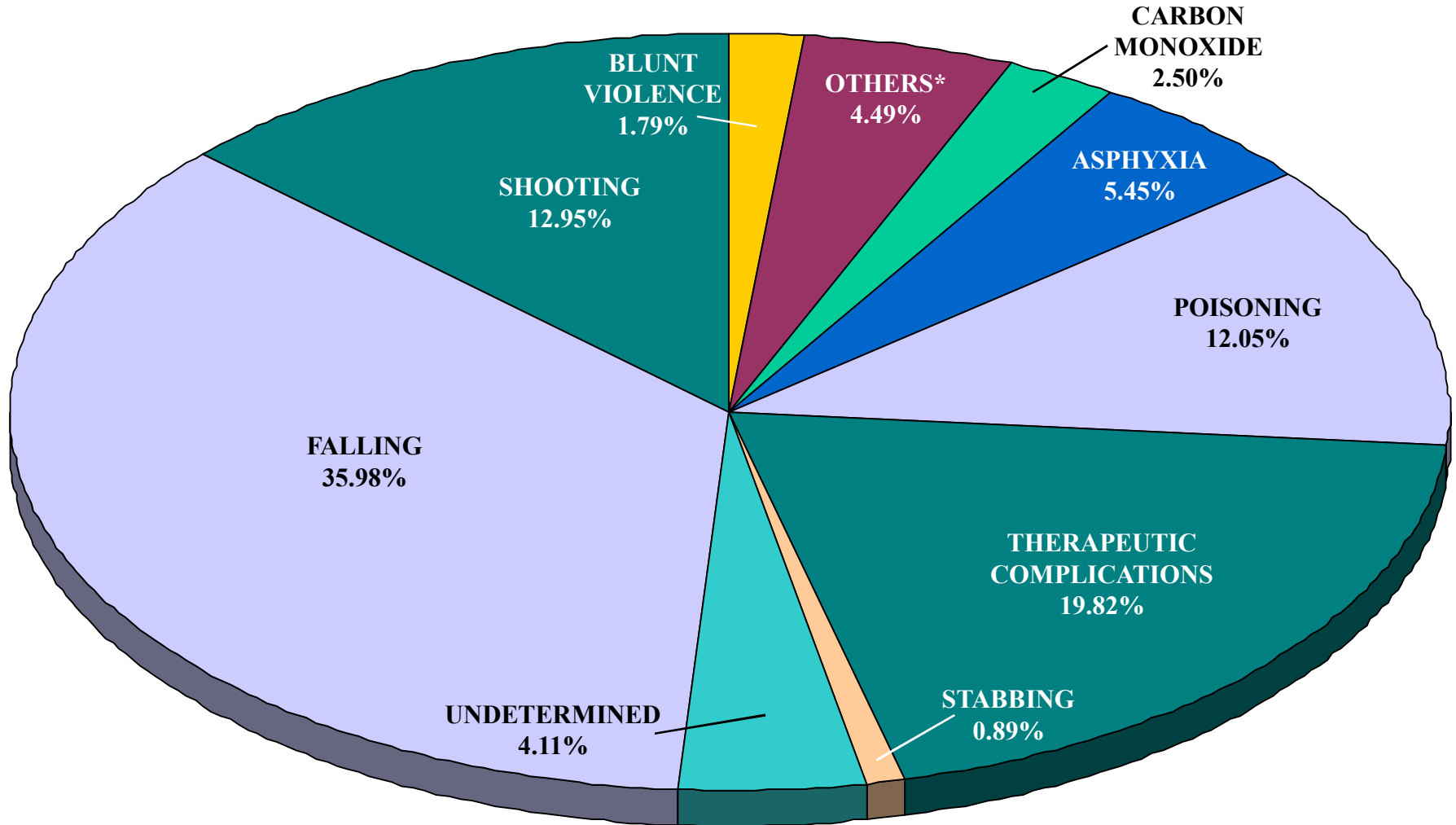
DEATHS FROM ACCIDENTS: 27.96%
 HOMICIDES, SUICIDES AND DEATHS FROM ACCIDENTS: 35.00%
 DEATHS FROM VIOLENCE: 35.36%
 DEATHS FROM NATURAL CAUSES: 64.64%

***OTHERS**
 ABORTIONS: 0.00%
 UNDETERMINED CAUSES: 0.50%
 VIOLENCE OF UNDETERMINED ORIGIN: 0.36%
 NEONATAL AND INTRA-UTERINE DEATHS: 0.70%
TOTAL: 1.56%

FATALITIES RESULTING FROM VIOLENCE**

MODE OF OCCURRENCE 1999

1,120** CASES (1999)



***OTHERS**

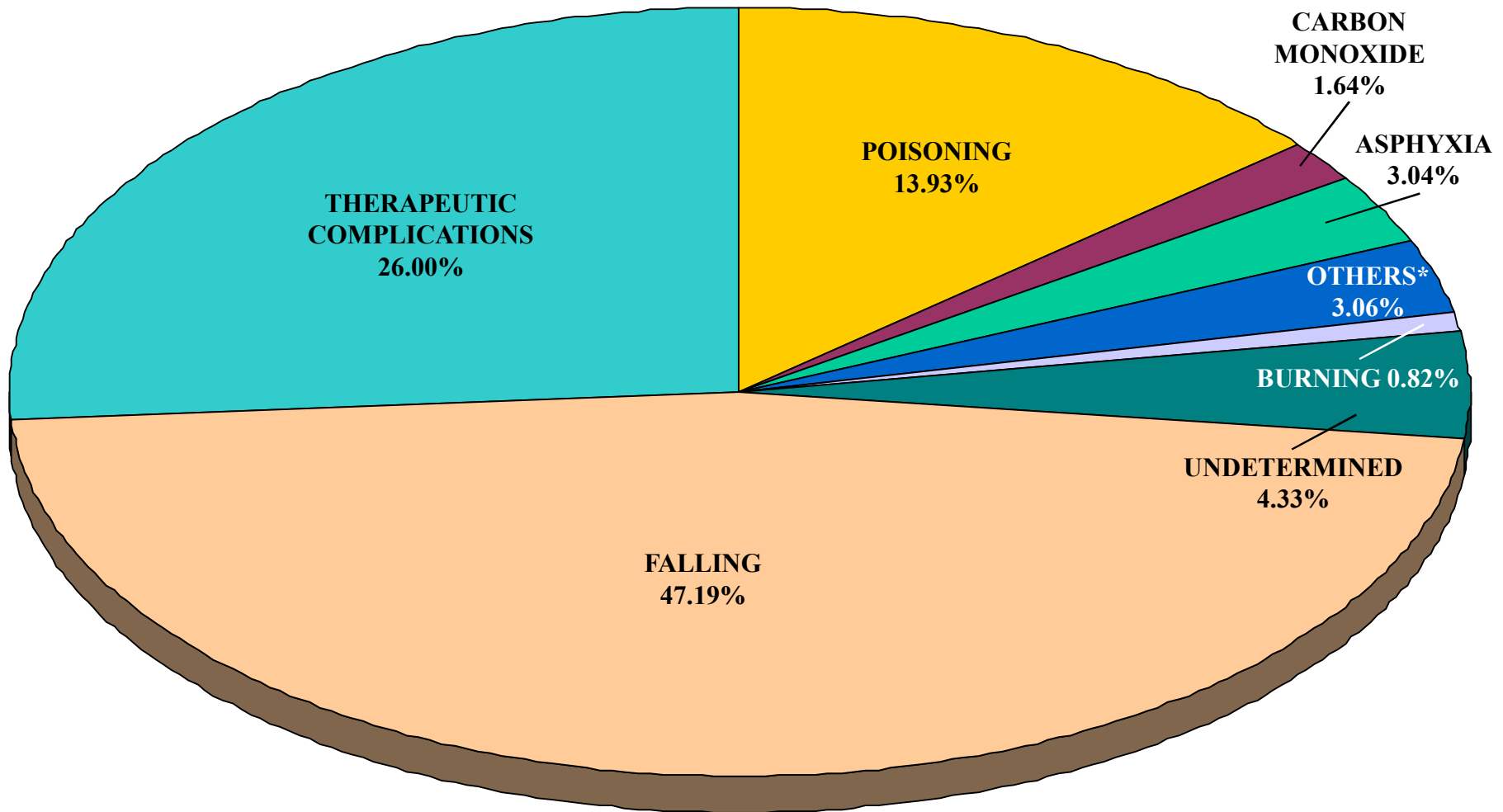
AIRPLANE, BURNING, CRUSHING, ELECTROCUTION, EXPLOSION, EXPOSURE, JUMPING, STRANGULATION, STRUCK BY OBJECT, TRAIN ACCIDENT, AND OTHERS.

****EXCLUDING VEHICULAR ACCIDENTS.**

FATALITIES RESULTING FROM ACCIDENTS**

MODE OF OCCURRENCE 1999

510 CASES (1999)



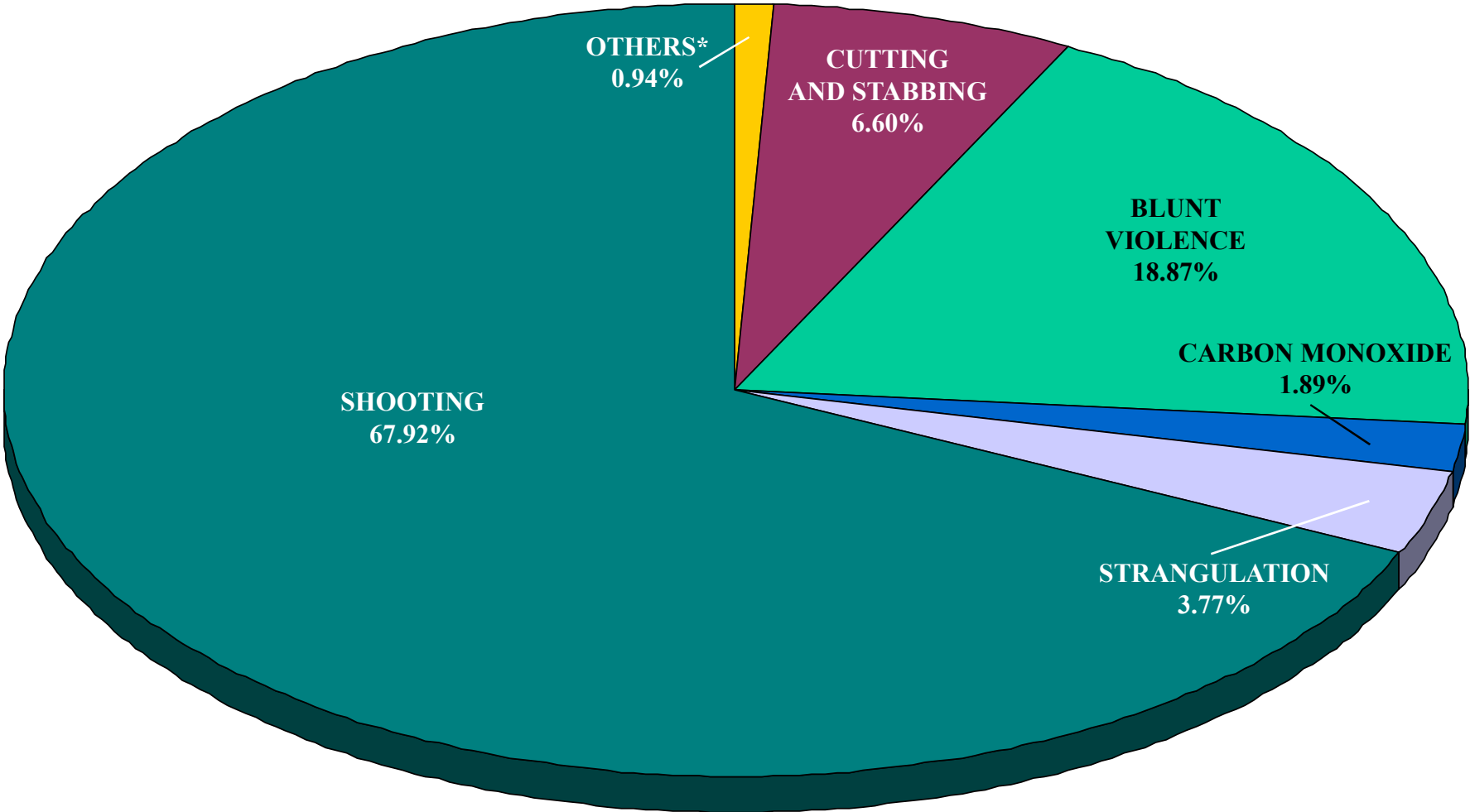
*OTHERS

AIRPLANE, ALLERGIC REACTION TO SHELLFISH, COT TIPPED OVER, CRUSHING, DURING PHYSICAL THERAPY, ELECTROCUTION, EXPLOSION, EXPOSURE, FRACTURE WHILE BEING MOVED, HEAVY EQUIPMENT ROLLOVER, INJURED WHILE MOVING DRESSER, JUMPING, SHOOTING, STABBING, STRANGULATION, STRUCK BY OBJECT, TRAIN ACCIDENT, AND OTHERS.

**EXCLUDING VEHICULAR ACCIDENTS.

**FATALITIES RESULTING FROM HOMICIDES
MODE OF OCCURRENCE 1999**

106 CASES (1999)

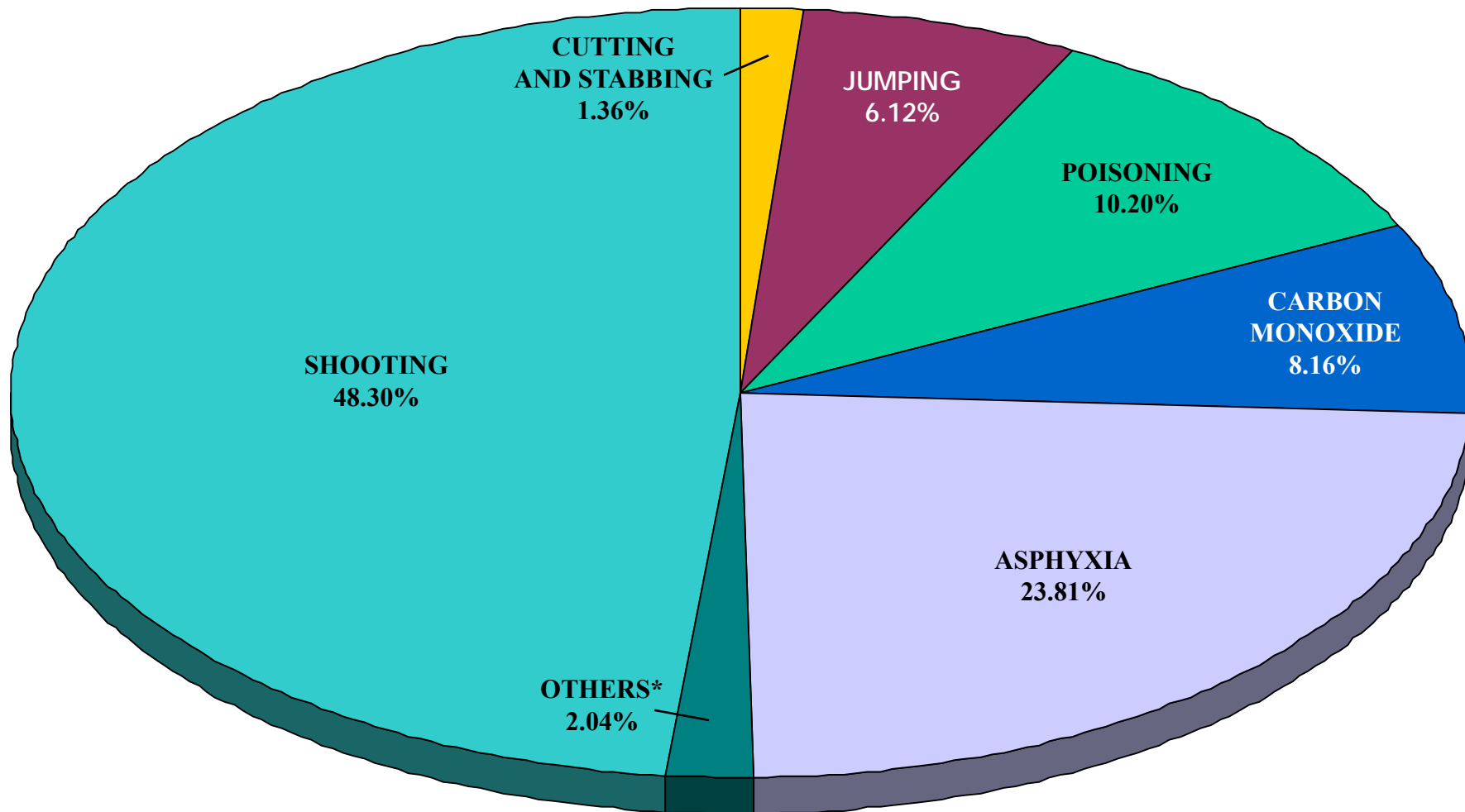


***OTHERS**
STRESS DUE TO PHYSICAL ALTERCATION.

FATALITIES RESULTING FROM SUICIDES

MODE OF OCCURRENCE 1999

147 CASES (1999)



***OTHERS**

ELECTROCUTION AND PLACED SELF IN FRONT OF TRAIN.

TABLE A

TYPES OF FATALITIES AND MISCELLANEOUS INFORMATION/1998 AND 1999

	1998	1999
ACCIDENTS IN THE HOME	307	330
ACCIDENTS WHILE AT WORK	16	14
VEHICULAR ACCIDENTS	154	151
ACCIDENTS IN OTHER PLACES	465	510
HOMICIDES	123	106
SUICIDES	148	147
VIOLENCE OF UNDETERMINED ORIGIN	22	13
TOTAL VIOLENT DEATHS	1235	1271
NATURAL CAUSES	1827	2280
ABORTIONS	0	0
NEONATAL AND INTRA-UTERINE DEATHS	18	25
UNDETERMINED CAUSES	16	18
CASES REPORTED - ADMITTED	3096	3594
CASES REPORTED - NOT ADMITTED	2271	1914
AUTOPSIES (HOSPITALS INCLUDED)	1482*	1490**
AUTOPSIES PERFORMED FOR OTHER COUNTIES	102	94
UNIDENTIFIED BODIES	3	1
UNIDENTIFIED FOETUSES	0	0
IDENTIFIED, UNCLAIMED, AND DONATED	53	24
DEATHS IN CUYAHOGA COUNTY	14,919	N.A.
PERCENTAGE OF DEATHS ADMITTED	20.75%	N.A.

*Includes 73 Autopsies performed at hospitals.

**Includes 85 Autopsies performed at hospitals.

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

1999 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	330	154	176	268	62	154	4.28
ACCIDENTS WHILE AT WORK	14	14	0	11	3	12	0.33
VEHICULAR ACCIDENTS	151	110	41	120	31	146	4.06
ACCIDENTS IN OTHER PLACES	510	266	244	405	105	171	4.76
HOMICIDES	106	76	30	30	76	106	2.95
SUICIDES	147	111	36	117	30	141	3.92
VIOLENCE OF UNDETERMINED ORIGIN	13	8	5	4	9	13	0.36
NATURAL CAUSES	2280	1308	972	1529	751	704	19.59
ABORTIONS	0	0	0	0	0	0	0.00
NEONATAL AND INTRA-UTERINE DEATHS	25	10	15	5	20	25	0.70
UNDETERMINED CAUSES	18	7	11	8	10	18	0.50
GRAND TOTAL	3594	2064	1530	2497	1097	1490	41.46

*Includes 85 Autopsies performed at hospitals.

TABLE C

TYPES OF FATALITIES - 1998 AND 1999 INCIDENCE COMPARED

	PERCENTAGE OF TOTAL CASES ADMITTED	
	1998	1999
ACCIDENTS IN THE HOME	9.92	9.18
ACCIDENTS WHILE AT WORK	0.52	0.39
VEHICULAR ACCIDENTS	4.97	4.20
ACCIDENTS IN OTHER PLACES	15.02	14.19
HOMICIDES	3.97	2.95
SUICIDES	4.78	4.09
VIOLENCE OF UNDETERMINED ORIGIN	0.71	0.36
TOTAL OF VIOLENT DEATHS	39.89	35.36
NATURAL CAUSES	59.01	63.44
ABORTIONS	0.00	0.00
NEONATAL AND INTRA-UTERINE DEATHS	0.58	0.70
UNDETERMINED CAUSES	0.52	0.50

1999 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	330	192	58.18	31	16.15
ACCIDENTS WHILE AT WORK	14	12	85.71	0	0.00
VEHICULAR ACCIDENTS	151	144	95.36	34	23.61
ACCIDENTS IN OTHER PLACES	510	201	39.41	26	12.94
TOTAL	1005	549	54.63	91	16.58
HOMICIDES	106	106	100.00	34	32.08
SUICIDES	147	144	97.96	38	26.39
VIOLENCE OF UNDETERMINED ORIGIN	13	9	69.23	2	22.22
TOTAL	1271	808	63.57	165	20.42
NATURAL CAUSES	2280	1991	87.32	158	7.94
ABORTIONS	0	0	0.00	0	0.00
NEONATAL AND INTRA-UTERINE	25	17	68.00	0	0.00
UNDETERMINED CAUSES	18	18	100.00	2	11.11

TABLE E**1999 VEHICULAR FATALITIES/DAILY ALCOHOL INCIDENCE**

DAY	MOTORCYCLIST (1)		DRIVER (2)		PASSENGER (3)		PEDESTRIAN (4)		TOTAL	
	NUMBER OF CASES		NUMBER OF CASES		NUMBER OF CASES		NUMBER OF CASES		NUMBER OF CASES	
	TESTED	POSITIVE	TESTED	POSITIVE	TESTED	POSITIVE	TESTED	POSITIVE	TESTED	POSITIVE
SUNDAY	5	2	4	3	5	2	2	1	16	8
MONDAY	1		11	1	6	2	5		23	3
TUESDAY	1		9	2	7	2	3	2	20	6
WEDNESDAY	2		7	2	2	2	2		13	4
THURSDAY	1	1	8	1	4				13	2
FRIDAY	3		12	3	7		8	1	30	4
SATURDAY	5	1	8	2	4		4	3	21	6
TOTAL	18	4	59	14	35	8	24	7	136	33

(1) See Table 59A

(2) See Table 58 and 59

(3) See Table 60

(4) See Table 61

1999 SUMMARY CHART - CUYAHOGA COUNTY

DISTRIBUTION OF SELECTED CORONER'S CASES IN EACH MUNICIPALITY

TABLE F

	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	1719	47.82	1075	62.54	407	23.68	54	3.14	81	4.71	62	3.61
Bay Village	14	0.39	7	50.00	6	42.86					1	7.14
Beachwood	26	0.72	13	50.00	13	50.00						
Bedford	57	1.59	44	77.19	9	15.79					2	3.51
Bedford Heights	12	0.33	8	66.67	3	25.00					1	8.33
Berea	33	0.92	12	36.36	17	51.52	1	3.03			3	9.09
Brecksville	7	0.19	4	57.14	2	28.57					1	14.29
Broadview Heights	17	0.47	6	35.29	4	23.53	4	23.53			3	17.65
Brooklyn	11	0.31	4	36.36	3	27.27	1	9.09			2	18.18
Brook Park	25	0.70	11	44.00	9	36.00	4	16.00			1	4.00
Cleveland Heights	39	1.08	28	71.79	6	15.38			3	7.60	2	5.13
East Cleveland	105	2.92	78	74.29	14	13.33	3	2.86	5	4.76	4	3.81
Euclid	138	3.84	97	70.29	23	16.67	5	3.62	2	1.45	7	5.07
Fairview Park	14	0.39	9	64.29	4	28.57	1	7.14				
Garfield Heights	85	2.36	72	84.71	6	7.06	1	1.18			4	4.71
Highland Heights	8	0.22	2	25.00	5	62.50					1	12.50
Independence	11	0.31	5	45.45	3	27.27	1	9.09			2	18.18
Lakewood	106	2.95	70	66.04	29	27.36	4	3.77	2	1.89	1	0.94
Lyndhurst	24	0.67	13	54.17	8	33.33	2	8.33			1	4.17
Maple Heights	30	0.83	18	60.00	9	30.00	1	3.33	1	3.33	1	3.33
Mayfield Heights	112	3.12	86	76.79	23	20.54	1	0.89			1	0.89
Middleburg Heights	113	3.14	93	82.30	15	13.27	1	0.88			3	2.65
North Olmsted	21	0.58	11	52.38	8	38.10	2	9.52				
North Royalton	24	0.67	15	62.50	6	25.00					3	12.50
Olmsted Falls	1	0.03			1	100.00						
Parma	215	5.98	156	72.56	44	20.47	4	1.86			10	4.65
Parma Heights	43	1.20	21	48.84	18	41.86	1	2.33	1	2.33	2	4.65
Pepper Pike	7	0.19	1	14.29	3	42.86	3	42.86				
Richmond Heights	32	0.89	27	84.37	3	9.37					2	6.25
Rocky River	28	0.78	17	60.17	9	32.14	1	3.57			1	3.57
Seven Hills	9	0.25	5	55.56	3	33.33					1	11.11
Shaker Heights	18	0.50	10	55.56	2	11.11	2	11.11	1	5.56	3	16.67
Solon	42	1.17	32	76.19	6	14.29	3	7.14	1	2.38		
South Euclid	26	0.72	16	61.54	6	23.08					4	15.38
Strongsville	26	0.72	8	30.77	12	46.15	4	15.38			2	7.69
University Heights	6	0.17	6	100.00								
Warrensville Heights	105	2.92	94	89.52	7	6.67	1	0.95	1	0.95	1	0.95
Westlake	109	3.03	78	71.56	24	22.02	3	2.75			3	2.75

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

1999 SUMMARY CHART - CUYAHOGA COUNTY

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
<u>VILLAGES:</u>												
Bentleyville	0	0.00										
Bratenahl	1	0.03			1	100.00						
Brooklyn Heights	4	0.11	3	75.00	1	25.00						
Chagrin Falls	5	0.14	2	40.00	3	60.00						
Cuyahoga Heights	2	0.06			1	50.00	1	50.00				
Gates Mills	2	0.06	2	100.00								
Glenwillow	0	0.00										
Highland Hills	2	0.06	2	100.00								
Hunting Valley	0	0.00										
Linndale	2	0.06	1	50.00							1	50.00
Mayfield	4	0.11	2	50.00	1	25.00	1	25.00				
Moreland Hills	1	0.03					1	100.00				
Newburg Heights	2	0.06	1	50.00	1	50.00						
North Randall	3	0.08	3	100.00								
Oakwood	7	0.19	2	28.57	4	57.14						
Orange	2	0.06	1	50.00							1	50.00
Valley View	4	0.11					3	75.00	1	25.00		
Walton Hills	1	0.03	1	100.00								
Woodmere	2	0.06	2	100.00								
<u>TOWNSHIPS:</u>												
Chagrin Falls	0	0.00										
Olmsted	14	0.39	6	42.86	6	42.86					2	14.29
Riveredge	0	0.00										
<u>Turnpike in County</u>	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.

TRENDS

DEATHS IN COUNTY, DEATHS REPORTED TO CORONER/CASES RECEIVED 1940 - 1999 **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
1940:	11,193	N.A.	1,184	10.6%
1941:	12,582	N.A.	1,392	11.1%
1942:	12,868	N.A.	1,385	10.8%
1943:	13,931	2,739	1,434	10.3%
1944:	13,234	2,544	1,420	10.7%
1945:	13,104	2,624	1,478	11.3%
1946:	13,049	2,890	1,588	12.0%
1947:	13,946	3,120	1,904	13.6%
1948:	13,695	3,203	1,924	14.0%
1949:	13,837	3,849	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	2,218	16.8%
1951:	14,156	3,496	2,213	14.7%
1952:	14,727	3,477	2,183	14.8%
1953:	14,896	3,646	2,392	16.0%
1954:	14,607	3,851	2,767	18.9%
1955:	14,751	4,085	2,945	20.0%
1956:	15,389	4,651	3,259	21.1%
1957:	16,063	4,634	3,274	20.3%
1958:	15,919	4,963	3,602	22.6%
1959:	16,088	4,328	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	3,513	21.4%
1961:	16,144	5,019	3,622	22.7%
1962:	16,701	5,231	3,883	23.3%
1963:	17,142	5,385	4,083	23.8%
1964:	16,915	5,490	4,037	23.9%
1965:	17,062	5,227	4,012	23.5%
1966:	17,415	5,303	4,136	23.7%
1967:	17,300	5,518	4,141	23.9%
1968:	18,087	5,997	4,455	24.6%
1969:	17,287	5,415	4,436	25.7%

TABLE G (cont.)

DEATHS IN COUNTY, DEATHS REPORTED TO CORONER/CASES RECEIVED 1940 - 1999

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	25.2%
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	23.2%

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:	15,407	5,708	37.1%	3,028	19.7%

COUNTY POPULATION 1990: 1,412,140					
DEATHS IN COUNTY	TOTAL DEATHS REPORTED TO CORONER'S OFFICE	% OF DEATHS IN COUNTY	CASES ADMITTED TO CORONER'S OFFICE	% OF DEATHS IN COUNTY	
1990:	15,400	5,929	38.5%	3,079	20.0%
1991:	15,245	5,977	39.2%	3,118	20.5%
1992:	14,899	5,665	38.0%	2,903	19.5%
1993:	15,458	5,717	37.0%	3,121	20.2%
1994:	15,518	5,808	37.4%	3,008	19.4%
1995:	15,738	5,878	37.3%	3,157	20.1%
1996:	15,176	5,583	37.8%	2,768	18.2%
1997:	15,209	5,575	36.7%	2,744	18.0%
1998:	14,919	5,367	36.0%	3,096	20.8%
1999:	N.A.	5,508	N.A.	3594	N.A.

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

TYPES OF FATALITIES SUMMARY 1940 - 1999

TABLE H

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

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

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

*Vehicular fatalities are included in Accident totals.

TABLE H (continued)

TYPES OF FATALITIES SUMMARY 1940 - 1999

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

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

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

*Vehicular fatalities are included in Accident totals.

TRENDS

1999 CORONER'S TRAUMA CASES LIFE-FLIGHTED FROM OTHER COUNTIES

TABLE I

COUNTY	SEX		MANNER					LOCATION OF DEATH		GRAND TOTAL
	M	F	VEHICULAR	HOMICIDE	SUICIDE	ACCIDENT	NATURAL	CLEVELAND	REST OF COUNTY	
Ashland	1					1		1		1
Ashtabula	5		1		1	3		5		5
Erie	6	3	3	2	1	3		9		9
Geauga	3	3	4			2		3	3	6
Holmes	1	1	1			1		2		2
Huron	1		1					1		1
Lake	6	1	2	1	1	3		7		7
Lorain	15	5	10	3	1	6		15	5	20
Mahoning	1						1	1		1
Medina	3	1	2		1	1		4		4
Portage	2	2	2			2		4		4
Richland	1		1					1		1
Stark	1	1	2					2		2
Summit	1					1		1		1
Trumbull	1		1					1		1
Wayne	3		2		1			3		3
TOTAL	51	17	32	6	6	23	1	60	8	68

TRENDS

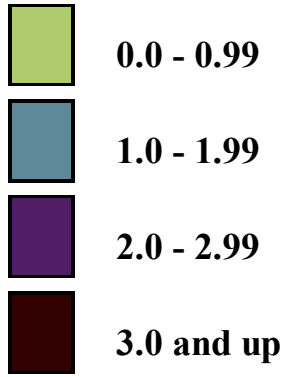


TABLE J**1999 AUTOPSIES PERFORMED FOR OTHER COUNTIES**

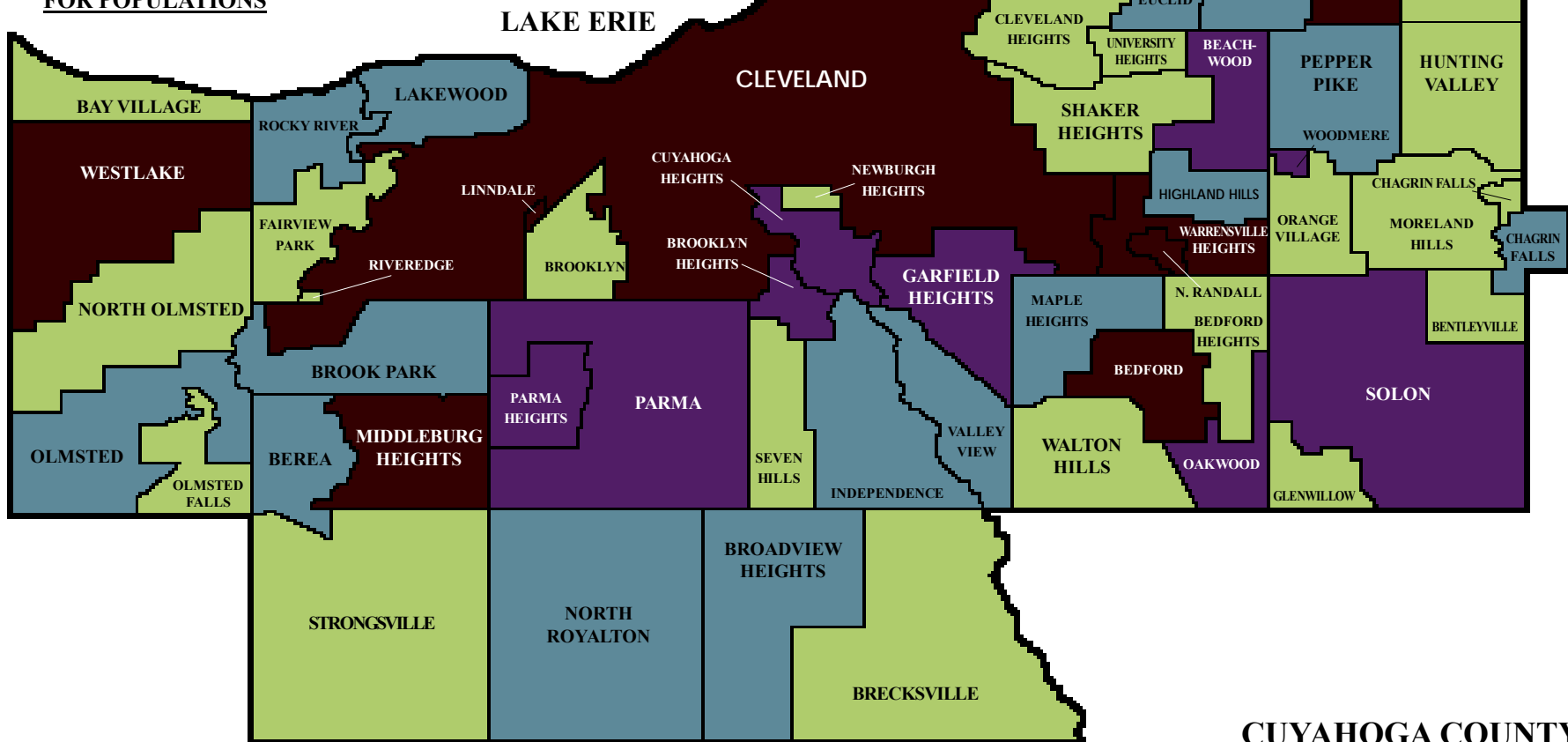
COUNTY	SEX		MANNER						GRAND TOTAL
	M	F	VEHICULAR	HOMICIDE	SUICIDE	ACCIDENT	NATURAL	UNDETERMINED	
Ashland	10	4	3		2	4	5		14
Ashtabula	19	17	7		3	11	15		36
Geauga	19	12	6		2	3	19	1	31
Harrison		1					1		1
Huron	1					1			1
Lake	4	2			1	2	3		6
Medina	2	2		2		2			4
Out of State	1						1		1
TOTAL	56	38	16	2	8	23	44	1	94

1999 DISTRIBUTION OF CORONER'S CASES PER 1,000 POPULATION

MAP 1



SEE FOLLOWING PAGE
FOR POPULATIONS



CUYAHOGA COUNTY

POPULATION OF CUYAHOGA COUNTY BY CITIES, VILLAGES, AND TOWNSHIPS (1990 CENSUS)

CITIES

CLEVELAND	505,616
Bay Village	17,000
Beachwood	10,677
Bedford	14,822
Bedford Heights	12,131
Berea	19,051
Brecksville	11,818
Broadview Heights	12,219
Brooklyn	11,706
Brook Park	22,865
Cleveland Heights	54,052
East Cleveland	33,096
Euclid	54,875
Fairview Park	18,028
Garfield Heights	31,739
Highland Heights	6,249
Independence	6,500
Lakewood	59,718
Lyndhurst	15,982
Maple Heights	27,089
Mayfield Heights	19,847
Middleburg Heights	14,702
North Olmsted	34,204
North Royalton	23,197
Olmsted Falls	6,741
Parma	87,876
Parma Heights	21,448
Pepper Pike	6,185
Richmond Heights	9,611
Rocky River	20,410
Seven Hills	12,339
Shaker Heights	30,831

Solon	18,548
South Euclid	23,866
Strongsville	35,308
University Heights	14,790
Warrensville Heights	15,745
Westlake	27,018

VILLAGES

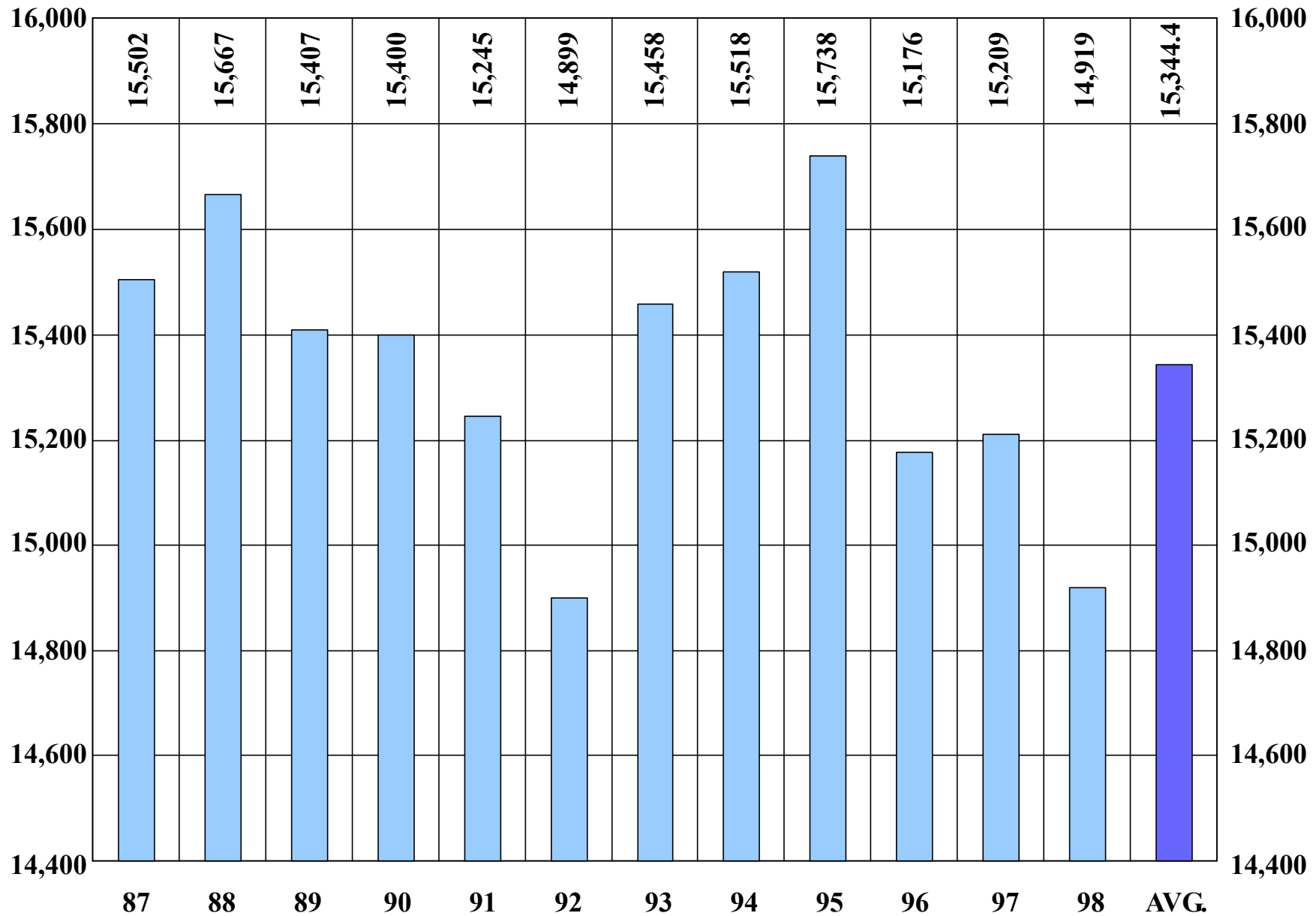
Bentleyville	674
Bratenahl	1,356
Brooklyn Heights	1,450
Chagrin Falls	4,146
Cuyahoga Heights	682
Gates Mills	2,508
Glenwillow	455
Highland Hills	1,934
Hunting Valley	648
Linndale	159
Mayfield	3,462
Moreland Hills	3,354
Newburgh Heights	2,310
North Randall	977
Oakwood	3,392
Orange	2,810
Valley View	2,137
Walton Hills	2,371
Woodmere	834

TOWNSHIPS

Chagrin Falls	202
Olmsted	8,330
Riveredge	0

POPULATION OF CUYAHOGA COUNTY 1,412,140

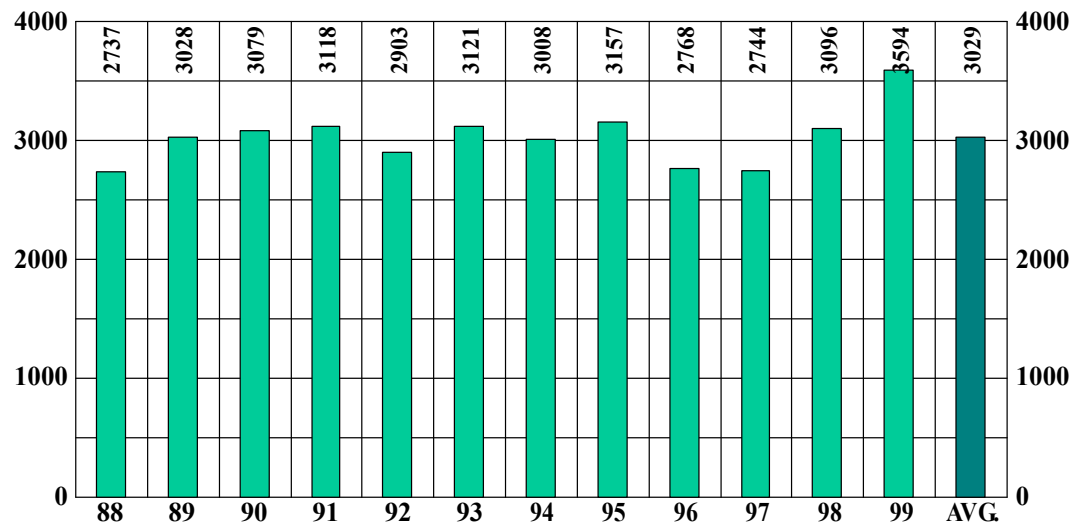
TOTAL OF ALL DEATHS IN CUYAHOGA COUNTY FOR A PERIOD OF TWELVE YEARS*



*1999 Number of deaths not available at time of publication.

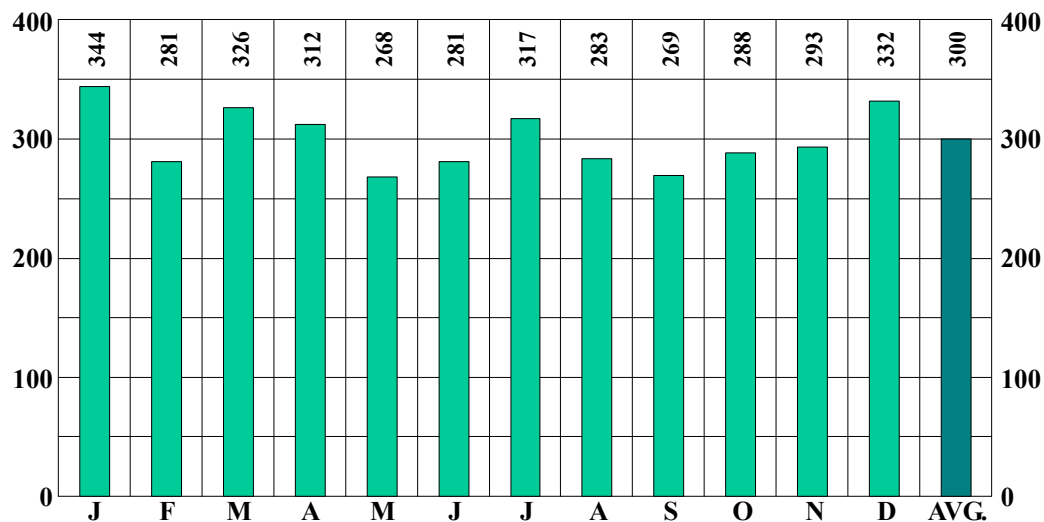


SUMMARY OF CORONER'S CASES FOR A PERIOD OF TWELVE YEARS



1988- 1999
TOTAL CASES
36,353

SUMMARY OF CORONER'S CASES BY MONTH FOR THE YEAR 1999



1999
TOTAL CASES
3,594

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

TYPE OF FATALITY	COUNTY			OUT OF COUNTY	TOTAL	MISCELLANEOUS	TOTAL
	CLEVELAND	OTHER CITIES	REST OF COUNTY				
ACCIDENTS IN THE HOME	106	167	11	46	330	CASES REPORTED - NOT ADMITTED	1914
ACCIDENTS WHILE AT WORK	5	5	1	3	14	AUTOPSIES**	1490**
VEHICULAR ACCIDENTS*	54	54	7	36	151	AUTOPSIES (performed for other counties)	94
ACCIDENTS IN OTHER PLACES	296	191	6	17	510	UNIDENTIFIED BODIES	1
HOMICIDES	81	17	1	7	106	UNIDENTIFIED FOETUSES	0
SUICIDES	62	73	4	8	147	IDENTIFIED, UNCLAIMED, AND DONATED BODIES	24
VIOLENCE OF UNDETERMINED ORIGIN	9	4			13	DEATHS IN CUYAHOGA COUNTY	N.A.
TOTAL VIOLENT DEATHS	613	511	30	117	1271		
NATURAL CAUSES	1075	1177	28		2280		
NEONATAL AND INTRA-UTERINE DEATHS	23	2			25		
ABORTIONS					0		
UNDETERMINED CAUSES	8	9	1		18		
TOTAL CASES REPORTED AND ADMITTED	1719	1699	59	117	3594		

*Vehicular Accidents, Summary Tables 1, 2, 4, 6, and 8 are tabulated by date of death reflecting fatalities received in 1999.

**Includes 85 autopsies performed at hospitals.

REST OF COUNTRY includes Turnpikes, Villages and Townships.

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

1999 SUMMARY OF CORONER'S CASES

TOTAL CASES BY MONTH AND TYPE OF FATALITY

TABLE 2

TYPE OF FATALITY	JAN.		FEB.		MARCH		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	16	20	13	18	14	17	12	8	10	13	8	14	25	13	8	11	11	15	12	12	16	13	9	22	154	176	330
ACCIDENTS WHILE AT WORK	2						1		1		2		2		2				2		1		1		14		14
VEHICULAR ACCIDENTS	6	3	6	3	6	4	8	3	11	3	13	2	9	4	17	4	7		8	4	5	5	14	6	110	41	151
ACCIDENTS IN OTHER PLACES	18	20	23	21	25	25	31	19	21	20	22	20	27	22	26	15	18	20	18	19	23	21	14	22	266	244	510
HOMICIDE	10	4	1	1	3	3	5	3	4	2	4	4	7	1	4	3	17	1	7	3	7	3	7	2	76	30	106
SUICIDE	9	3	9	1	13	4	10	4	13	4	8	1	5	3	8	2	10	4	9	2	4	3	13	5	111	36	147
VIOLENCE OF UNDETERMINED ORIGIN	2		1	2			3					1		1					1				1	1	8	5	13
NATURAL CAUSES	145	84	105	75	115	88	115	86	92	70	97	82	119	76	107	73	88	75	97	89	107	84	121	90	1308	972	2280
ABORTIONS																											0
NEONATAL AND INTRA-UTERINE DEATHS		1	1		3	2	1	1		2		1	2	1	1	2		1	2	3			1		10	15	25
UNDETERMINED CAUSES		1	1		3	1		2	2			2						2				1	1	2	7	11	18
GRAND TOTAL	208	136	160	121	182	144	186	126	154	114	154	127	196	121	173	110	151	118	156	132	163	130	181	151	2064	1530	3594

SUMMARY

1999 SUMMARY OF CORONER'S CASES

TABLE 3

AUTOPSIES BY MONTH AND TYPE OF FATALITY

TYPE OF FATALITY	JAN.		FEB.		MARCH		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	11	4	6	4	9	7	9	3	7	5	3	2	13	6	6	3	8	9	6	4	11	5	6	4	95	56	151
ACCIDENTS WHILE AT WORK	2								1		1		3				1		2		1		1		12		12
VEHICULAR ACCIDENTS	6	3	6	3	6	4	8	3	11	3	12	2	9	4	17	4	7		8	1	5	6	14	4	109	37	146
ACCIDENTS IN OTHER PLACES	5	4	7	2	8	3	11	5	11	4	12	1	7	3	8	3	7	5	4	2	10	1	5	3	95	36	131
HOMICIDE	10	4	1	1	2	3	6	2	4	3	4	4	7	1	4	3	17	1	7	3	7	3	7	2	76	30	106
SUICIDE	9	3	9	1	11	4	10	4	12	4	9	1	5	3	8	2	10	4	8	1	3	3	12	5	106	35	141
VIOLENCE OF UNDETERMINED ORIGIN	2		1	2			3					1	1					1					1	1	8	5	13
NATURAL CAUSES	44	21	24	19	37	20	40	22	30	19	28	22	43	21	27	20	24	25	33	30	32	27	37	25	399	271	670
ABORTIONS																											0
NEONATAL AND INTRA-UTERINE DEATHS		1			3	2	1	1		1			2		1	2		1	1	1					8	9	17
UNDETERMINED CAUSES		1	1		3	1		2	2			2					2					1	1	2	7	11	18
GRAND TOTAL	89	41	55	32	79	44	88	42	78	39	69	35	89	39	71	37	74	47	70	42	69	46	84	46	915	490	1405

SUMMARY

1999 SUMMARY OF CORONER'S CASES

TOTAL CASES BY AGE GROUP 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	M	F		
ACCIDENTS IN THE HOME	1	2	1	2		1			3		1		5	2	7	4	9	4	10	4	19	10	7	6	6	3	5	4	8	7	5	11	24	33	43	83	154	176	330	
ACCIDENTS WHILE AT WORK												2		1			2		2		3		1						1					2		14		14		
VEHICULAR ACCIDENTS		1	1		3	1	2	2	13	5	9	2	11	5	13		6	2	7		11		4	4	7	1	8	3	1	1	3	4	4	1	7	9	110	41	151	
ACCIDENTS IN OTHER PLACES	3	3		1	2		1		3		6	1	3	4	4	1	16	7	17	5	20	6	15	11	10	8	17	11	26	17	24	25	32	27	67	117	266	244	510	
HOMICIDE		2		3			1	14	1	14	6	12	3	8	3	5	3	4	1	6	1	1		5	1	1		1	1	1	4	3		1	76	30	106			
SUICIDE								4	2	13	2	9	3	10	5	14	3	14	5	7	2	8	3	7	4	4		4	2	5		5	2	7	3	111	36	147		
VIOLENCE OF UNDETERMINED ORIGIN		1	1										1		1	2	1	1	1				1	1					1	1							8	5	13	
NATURAL CAUSES	20	9	3	3	1		1	1	3	1	5	3	9	8	19	12	44	16	47	41	65	45	110	46	125	55	138	55	140	69	164	120	192	132	222	356	1308	972	2280	
ABORTIONS																																								0
NEONATAL AND INTRA-UTERINE DEATHS	9	15	1																																			10	15	25
UNDETERMINED CAUSES	5	7	1												1	1			3																			7	11	18
GRAND TOTAL	38	40	8	9	6	2	4	4	40	9	48	14	51	25	63	26	96	37	102	60	131	64	148	70	162	73	173	73	180	96	204	161	262	198	348	569	2064	1530	3594	

SUMMARY

1999 SUMMARY OF CORONER'S CASES

TABLE 5

AUTOPSIES BY AGE GROUP 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	M	F		
ACCIDENTS IN THE HOME	1	2	1	2		1			3		1		5	2	7	4	8	4	10	4	18	10	6	1	2	1	4	2	4	1	2	5	8	7	15	10	95	56	151	
ACCIDENTS WHILE AT WORK												2		1				2		2		3												2		12		12		
VEHICULAR ACCIDENTS		1	1		3	1	2	2	13	5	9	2	11	5	13		6	2	7		11		4	4	7	1	8	3	1		3	3	4	1	6	7	109	37	146	
ACCIDENTS IN OTHER PLACES	2	1			1				3		6		3	3	2	1	12	3	12	3	13	3	7	5	4	1	8	1	3		5	4	5	3	9	8	95	36	131	
HOMICIDE		2		3				1	14	1	14	6	12	3	8	3	5	3	4	1	6	1	1		5	1	1		1	1	4	3		1	76	30	106			
SUICIDE									4	2	13	2	9	3	9	5	11	3	14	5	7	2	7	3	7	4	4		4	2	5		5	2	7	2	106	35	141	
VIOLENCE OF UNDETERMINED ORIGIN		1	1												1		1	2	1	1	1				1	1				1		1					8	5	13	
NATURAL CAUSES	19	9	3	1	1			1	3	1	5	2	5	8	16	10	32	14	34	27	47	35	51	24	46	16	43	12	25	21	18	23	30	22	21	45	399	271	670	
ABORTIONS																																								0
NEONATAL AND INTRA-UTERINE DEATHS	7	9	1																																			8	9	17
UNDETERMINED CAUSES	5	7	1												1	1			3																		7	11	18	
GRAND TOTAL	34	32	8	6	5	2	2	4	40	9	48	12	47	24	57	24	76	31	84	44	105	51	79	37	72	25	68	18	38	24	35	36	57	38	60	73	915	490	1405	

SUMMARY

1999 SUMMARY OF CORONER'S CASES

GEOGRAPHICAL LOCATION - ALL FATALITIES SUMMARY

TABLE 6

CITIES	VIOLENT DEATHS										NATURAL CAUSES	ABORTIONS	INTRA-UTERINE AND NEONATAL UNDETERMINED CAUSES	TOTAL	GRAND TOTAL		
	ACCIDENTS					OTHER VIOLENCE											
	ACCIDENTS IN THE HOME	ACCIDENTS WHILE AT WORK	VEHICULAR ACCIDENT	ACCIDENTS IN OTHER PLACES	TOTAL ACCIDENTS	HOMICIDE	SUICIDE	UNDETERMINED ORIGIN	TOTAL OTHER VIOLENCE	TOTAL ALL VIOLENCE							
Cleveland	106	5	54	296	461	81	62	9	152	613	1075		23	8	1106	1719	
Bay Village	5			1	6		1		1	7	7				7	14	
Beachwood	2			11	13					13	13				13	26	
Bedford	4	1		4	9		2		2	11	44		2		46	57	
Bedford Heights	3				3		1		1	4	8				8	12	
Berea	8		1	9	18		3		3	21	12				12	33	
Brecksville	2				2		1		1	3	4				4	7	
Broadview Heights	2		4	2	8		3		3	11	6				6	17	
Brooklyn	1		1	2	4		2	1	3	7	4				4	11	
Brook Park	2	1	4	6	13		1		1	14	11				11	25	
Cleveland Heights	4			2	6	3	2		5	11	28				28	39	
East Cleveland	9		3	5	17	5	4		9	26	78			1	79	105	
Euclid	16		5	7	28	2	7	2	11	39	97			2	99	138	
Fairview Park	2		1	2	5					5	9				9	14	
Garfield Heights	1	1	1	4	7		4	1	5	12	72			1	73	85	
Highland Heights	4			1	5		1		1	6	2				2	8	
Independence	2		1	1	4		2		2	6	5				5	11	
Lakewood	16		4	13	33	2	1		3	36	70				70	106	
Lyndhurst	4		2	4	10		1		1	11	13				13	24	
Maple Heights	5		1	4	10	1	1		2	12	18				18	30	
Mayfield Heights	2		1	21	24		1		1	25	86			1	87	112	
Middleburg Heights	1		1	14	16		3		3	19	93			1	94	113	
North Olmsted	3		2	5	10					10	11				11	21	
North Royalton	3			3	6		3		3	9	15				15	24	
Olmsted Falls	1				1					1						1	1
Parma	17		4	27	48		10		10	58	156			1	157	215	
Parma Heights	11	1	1	6	19	1	2		3	22	21				21	43	
Pepper Pike	2		3	1	6					6	1				1	7	
Richmond Heights				3	3		2		2	5	27				27	32	
Rocky River	6		1	3	10		1		1	11	17				17	28	
Seven Hills	3				3		1		1	4	5				5	9	
Shaker Heights	2		2		4	1	3		4	8	10				10	18	
Solon	2	1	3	3	9	1			1	10	32				32	42	
South Euclid	4			2	6		4		4	10	16				16	26	
Strongsville	7		4	5	16		2		2	18	8				8	26	
University Heights											6				6	6	
Warrensville Heights	4		1	3	8	1	1		2	10	94			1	95	105	
Westlake	7		3	17	27		3		3	30	78			1	79	109	
GRAND TOTAL	273	10	108	487	878	98	135	13	246	1124	2252	0	25	17	2294	3418	

SUMMARY

TABLE 7

GEOGRAPHICAL LOCATION - ALL FATALITIES SUMMARY

VILLAGES AND TOWNSHIPS	VIOLENT DEATHS										NATURAL CAUSES	ABORTIONS	INTRA-UTERINE AND NEONATAL	UNDETERMINED CAUSES	TOTAL	GRAND TOTAL	
	ACCIDENTS					OTHER VIOLENCE											
	ACCIDENTS IN THE HOME	ACCIDENTS WHILE AT WORK	VEHICULAR ACCIDENTS	ACCIDENTS IN OTHER PLACES	TOTAL ACCIDENTS	HOMICIDE	SUICIDE	UNDETERMINED ORIGIN	TOTAL OTHER VIOLENCE	TOTAL ALL VIOLENCE							
<u>VILLAGES:</u>																	
Bentleyville																	0
Bratenahl		1			1					1						1	
Brooklyn Heights	1				1					1	3				3	4	
Chagrin Falls	2			1	3					3	2				2	5	
Cuyahoga Heights	1		1		2					2						2	
Gates Mills											2				2	2	
Glenwillow																0	
Highland Hills											2				2	2	
Hunting Valley																0	
Linndale							1		1	1	1				1	2	
Mayfield	1		1		2					2	2				2	4	
Moreland Hills			1		1					1						1	
Newburgh Heights	1				1					1	1				1	2	
North Randall											3				3	3	
Oakwood	3			1	4					4	2		1		3	7	
Orange							1		1	1	1				1	2	
Valley View			3		3	1			1	4						4	
Walton Hills											1				1	1	
Woodmere											2				2	2	
TOTAL VILLAGES	9	1	6	2	18	1	2		3	21	22				1	23	44
<u>TOWNSHIPS:</u>																	
Chagrin Falls																	0
Olmsted	2			4	6		2		2	8	6				6	14	
TOTAL TOWNSHIPS	2			4	6		2		2	8	6				6	14	
TOTAL TURNPIKES			1		1					1						1	

SUMMARY

1999 SUMMARY OF CORONER'S CASES

GEOGRAPHICAL LOCATION - ALL FATALITIES SUMMARY

TABLE 7A

	VIOLENT DEATHS										NATURAL CAUSES	ABORTIONS	INTRA-UTERINE AND NEONATAL UNDETERMINED CAUSES	TOTAL	GRAND TOTAL	
	ACCIDENTS					OTHER VIOLENCE										
	ACCIDENTS IN THE HOME	ACCIDENTS WHILE AT WORK	VEHICULAR ACCIDENTS	ACCIDENTS IN OTHER PLACES	TOTAL ACCIDENTS	HOMICIDE	SUICIDE	UNDETERMINED ORIGIN	TOTAL OTHER VIOLENCE	TOTAL ALL VIOLENCE						
TOTALS																
CITIES	273	10	108	487	878	98	135	13	246	1124	2252		25	17	2294	3418
VILLAGES	9	1	6	2	18	1	2		3	21	22			1	23	44
TOWNSHIPS	2			4	6		2		2	8	6				6	14
OUT OF COUNTY	46	3	36	17	102	7	8		15	117						117
TURNPIKE			1		1					1						1
GRAND TOTAL	330	14	151	510	1005	106	147	13	266	1271	2280		25	18	2323	3594

SUMMARY

1999 SUMMARY OF CORONER'S CASES

TABLE 8

ACCIDENT 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	12	17	1		6	36	1	1			2	3	3	1				2	9	24	13		1		38	40	34	2	1		8	85
FEBRUARY	13	16			2	31						2	5	1				1	9	22	22				44	37	43	1		3	84	
MARCH	10	18	2		1	31						4	3			1	2	10	26	23	1			50	40	44	3		1	3	91	
APRIL	6	10			4	20		1			1	6	3					2	11	36	10		1	3	50	48	24		1	9	82	
MAY	9	9			5	23	1				1	5	2					7	14	26	14		1	41	41	25			13	79		
JUNE	8	9			5	22	2				2	4	4	2				5	15	24	16			2	42	38	29	2		12	81	
JULY	14	20	1		3	38			1	1	2	5	4	1				3	13	24	23			2	49	43	47	3		9	102	
AUGUST	5	6	3		5	19		1		1	2	7	11					3	21	20	18			3	41	32	36	3		12	83	
SEPTEMBER	6	16		1	3	26						2	2	1				2	7	25	10		1	2	38	33	28	1	2	7	71	
OCTOBER	5	15			4	24	1			1	2	4	4					4	12	22	13			2	37	32	32			11	75	
NOVEMBER	9	16		1	3	29		1			1	5	3					2	10	24	19		1		44	38	39		2	5	84	
DECEMBER	9	15	2		5	31		1			1	7	10					3	20	23	10	1		2	36	39	36	3		10	88	
TOTAL	106	167	9	2	46	330	5	5	1		3	14	54	54	6		1	36	151	296	191	2	4	17	510	461	417	18	6	1	102	1005

SUMMARY

1999 SUMMARY OF CORONER'S CASES

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

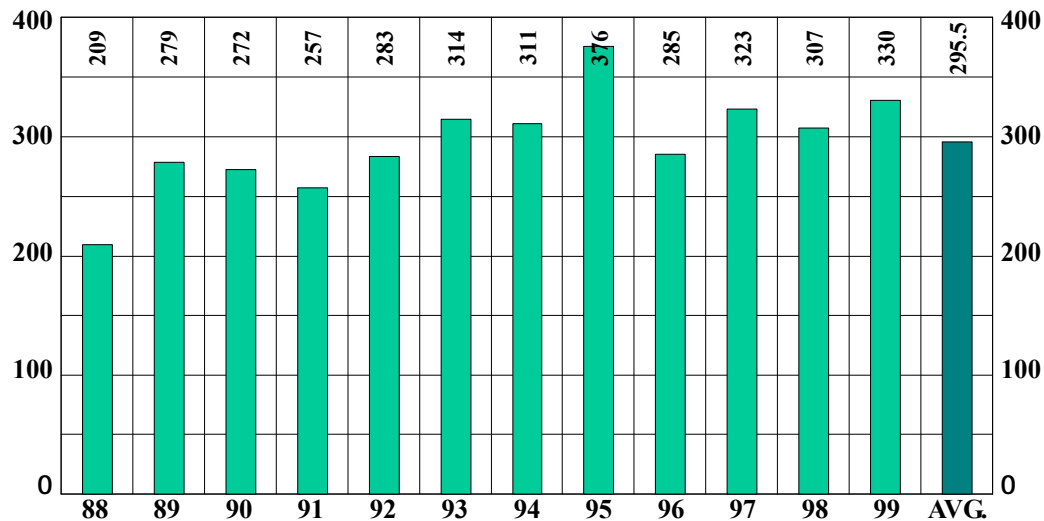
SUMMARY

MONTH	HOMICIDES					SUICIDES					VIOLENCE OF UNDETERMINED ORIGIN					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					
JANUARY	9	3	1		1	14	6	5			1	12	2					2	17	8	1		2	28
FEBRUARY	2					2	8	2				10	3					3	13	2				15
MARCH	3	3				6	4	10			3	17							7	13			3	23
APRIL	6	2				8	10	2		1	1	14	2	1				3	18	5		1	1	25
MAY	4				2	6	7	8			2	17							11	8			4	23
JUNE	7	1				8	5	4				9		1				1	12	6				18
JULY	7	1				8	1	6	1			8		1				1	8	8	1			17
AUGUST	6				1	7	5	4		1		10							11	4		1	1	17
SEPTEMBER	16	1			1	18	5	9				14							21	10			1	32
OCTOBER	7	3				10	4	5	1		1	11	1					1	12	8	1		1	22
NOVEMBER	8	2				10	2	5				7							10	7				17
DECEMBER	6	1			2	9	5	13				18	1	1				2	12	15			2	29
TOTAL	81	17	1		7	106	62	73	2	2	8	147	9	4				13	152	94	3	2	15	266



ACCIDENTS IN THE HOME

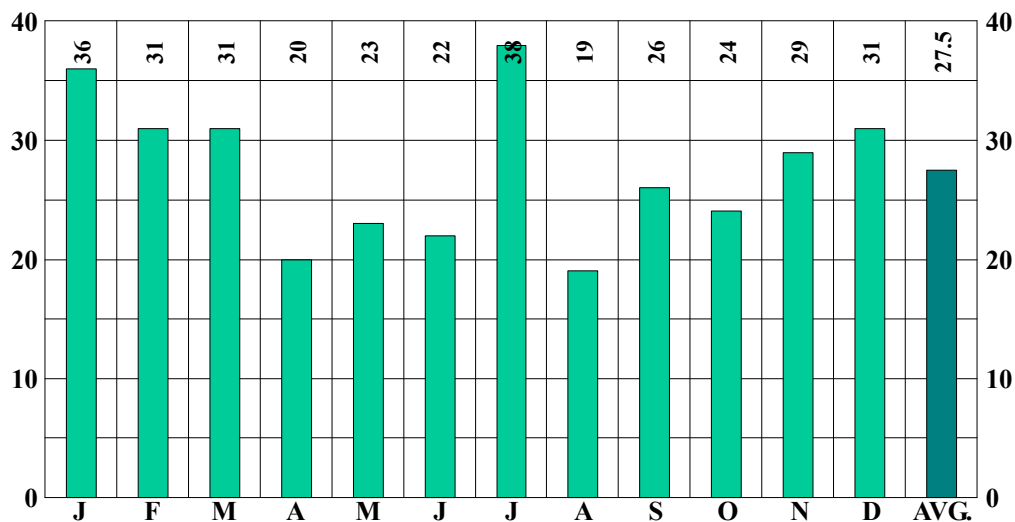
FOR A PERIOD OF TWELVE YEARS



		NUMBER	PERCENT
SEX	MALE	154	47
	FEMALE	176	53
RACE	WHITE	268	81
	NON-WHITE	62	19
ALCOHOL	TESTED	192	58
	POSITIVE	31	16
AUTOPSY	AUTOPSIED	151	46

ACCIDENTS IN THE HOME

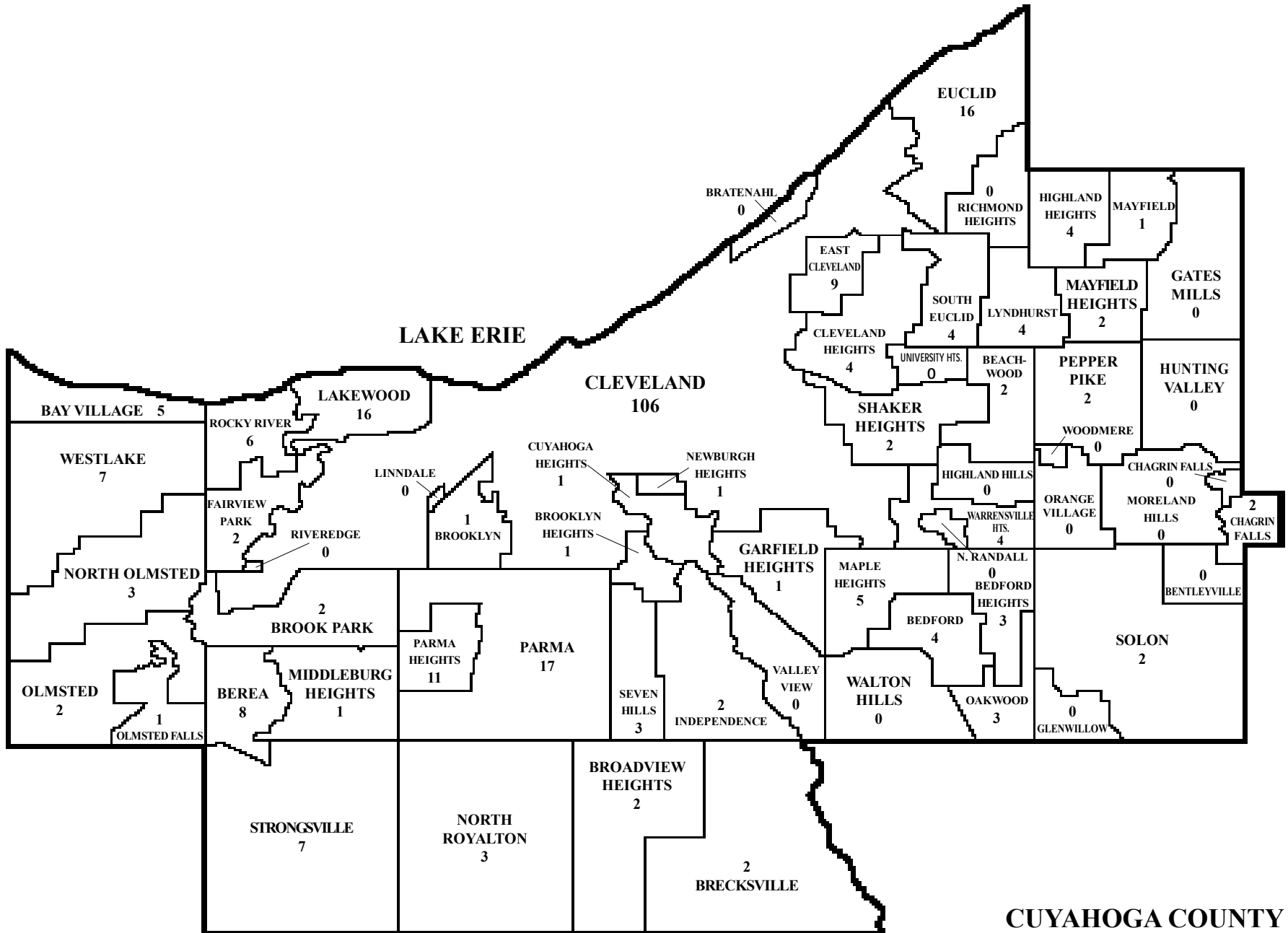
BY MONTH FOR THE YEAR 1999



1999
TOTAL CASES
330

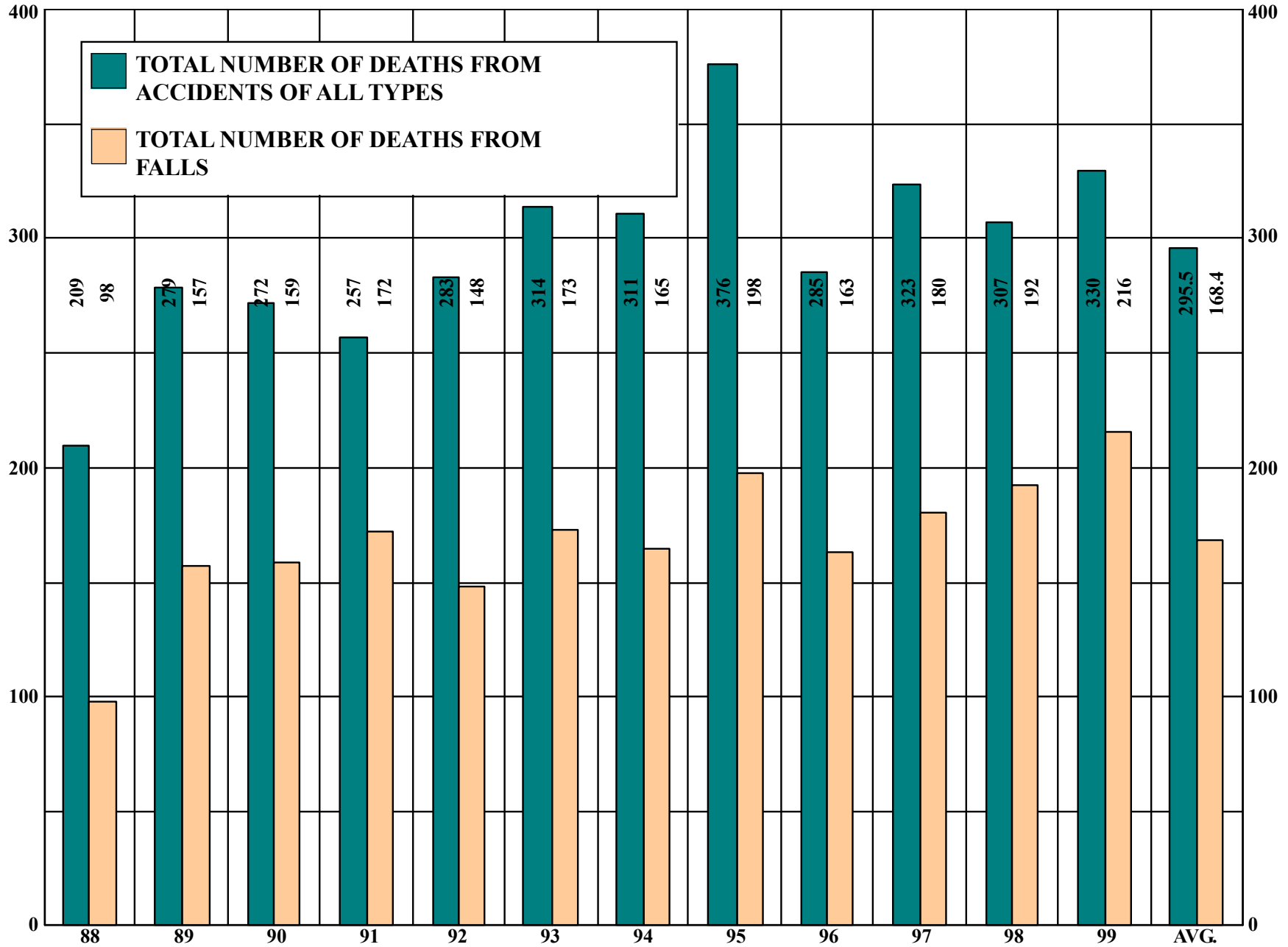
1999 FATALITIES RESULTING FROM ACCIDENTS IN THE HOME DISTRIBUTION OF FATALITIES FROM ACCIDENTS IN THE HOME

MAP 2



FATALITIES RESULTING FROM ACCIDENTS IN THE HOME

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



ACCIDENTS IN THE HOME

1999 FATALITIES RESULTING FROM ACCIDENTS IN THE HOME

TABLE 10

MONTHLY ALCOHOL INCIDENCE

MONTH	TOTAL	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									
		M	F	M	F	M	F	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	36	16	20	6	6	5	13	5	1	4	13	4	13					12	7	11	7	1		1													
FEBRUARY	31	13	18	5	8	7	9	1	1	6	13	5	13		1			7	5	5	5	2				2											
MARCH	31	14	17	5	5	9	11		1	3	7	3	7					11	10	10	9	1	1	1					1								
APRIL	20	12	8	4	2	5	5	3	1	1	4	1	4					11	4	8	3	3	1	1	1				1		1						
MAY	23	10	13	4	5	3	6	3	2	2	5	2	5					8	8	8	8																
JUNE	22	8	14	2	6	3	6	3	2	4	10	4	10					4	4	3	4	1						1									
JULY	38	25	13	8	6	15	6	2	1	8	7	8	5		2			17	6	8	4	9	2	2			2	3	1		1	1	1				
AUGUST	19	8	11	2	3	3	6	3	2	2	7	2	7					6	4	5	4	1			1												
SEPTEMBER	26	11	15	2	4	8	9	1	2	3	3	3	3					8	12	7	10	1	2	1			1			1							
OCTOBER	24	12	12	3	2	7	8	2	2	1	7	1	7					11	5	11	4		1					1									
NOVEMBER	29	16	13	6	3	7	10	3		4	8	4	8					12	5	9	5	3					1				2						
DECEMBER	31	9	22	2	7	6	11	1	4	2	14	2	11		3			7	8	6	7	1	1				1			1							
TOTAL	330	154	176	49	57	78	100	27	19	40	98	39	93		1	5		114	78	91	70	23	8	5	1	2	1	5		4	1	2	2	2	2	3	1

1999 FATALITIES RESULTING FROM ACCIDENTS IN THE HOME

AGE - RACE - ALCOHOL INCIDENCE

TABLE 11

AGE	RACE	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
Under 1 Year	White																													
	Non-White	3	1	2																										
1 - 4	White	2		2																										
	Non-White	1	1																											
5 - 9	White	1		1																										
	Non-White																													
10 - 14	White																													
	Non-White																													
15 - 19	White	1	1																											
	Non-White	2	2																											
20 - 24	White	1	1																											
	Non-White																													
25 - 29	White	5	3	2																										
	Non-White	2	2																											
30 - 34	White	10	7	3																										
	Non-White	1	1	1																										
35 - 39	White	9	6	3																										
	Non-White	4	3	1																										
40 - 44	White	7	4	3																										
	Non-White	7	6	1																										
45 - 49	White	14	10	4																										
	Non-White	15	9	6																										
50 - 54	White	7	3	4		2		2																						
	Non-White	6	4	2		1		1																						
55 - 59	White	6	5	1	2		2																							
	Non-White	3	1	2																										
60 - 64	White	7	3	4		1		1																						
	Non-White	2	2																											
65 - 69	White	14	7	7	2	6	2	4																						
	Non-White	1	1		1		1																							
70 - 74	White	16	5	11	1	6	1	6																						
	Non-White																													
75 - 79	White	49	18	31	9	20	9	19																						
	Non-White	8	6	2	1		1																							
80 - over	White	119	40	79	23	59	22	57																						
	Non-White	7	3	4	1	3	1	3																						
TOTAL	White	268	113	155	37	94	36	89																						
	Non-White	62	41	21	3	4	3	4																						
GRAND TOTAL		330	154	176	40	98	39	93																						

ACCIDENTS IN THE HOME

1999 FATALITIES RESULTING FROM ACCIDENTS IN THE HOME

TABLE 12

MODE - ALCOHOL INCIDENCE

MODE	TOTAL	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	
		M	F	M	F	M	F	M	F	M	F	M	F	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	9	6	3	3	1	3	2											6	3	4	2	2	1	1												1	1
BURNING	6	3	3	1		2	2	1		1		1						3	2	2	2	1														1	
CARBON MONOXIDE	14	6	8	3	6	3	2											6	8	5	7	1	1					1		1							
CRUSHING	1	1		1														1		1																	
ELECTROCUTION	1	1					1											1		1																	
EXPLOSION	1	1					1		1	1		1																									
EXPOSURE	1	1					1											1		1																	
FALLING	216	79	137	16	33	43	87	20	17	36	97	35	92			1	5	43	40	41	37	2	3	1	1		1							1	1		
POISONING	68	45	23	23	16	20	6	2	1									45	23	31	20	14	3	3		2		3		2	1	2	1	2			1
SHOOTING	1	1			1													1		1																	
STABBING	1	1			1													1		1																	
STRANGULATION	0																																				
STRUCK BY OBJECT	3	2	1			2	1											2	1		1	2						1		1							
UNDETERMINED	7	6	1	1	1	5				2		2						4	1	3	1	1						1									
OTHERS*	1	1		1						1		1																									
TOTAL	330	154	176	49	57	78	100	27	19	40	98	39	93			1	5	114	78	91	70	23	8	5	1	2	1	5	4	1	2	2	2	2	3	1	

*Injured while moving a dresser.

1999 FATALITIES RESULTING FROM ACCIDENTS IN THE HOME

MODE - ALCOHOL INCIDENCE

TABLE 13

MODE	TOTAL					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				
		M	F	M	F	M	F	M	F	M	F	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	4	3	1	2		1	1							3	1	3	1																							
Compression	1	1				1								1						1		1																		
Drowning	2	1	1	1			1							1	1					1	1												1	1						
Hanging	1	1				1								1		1																								
Overlying	1		1			1									1		1																							
TOTAL	9	6	3	3	1	3	2							6	3	4	2	2	1	1														1	1					
BURNING:																																								
Conflagration	4	2	2	1			1	1	1		1		1		2	1	1	1	1																					
Incidental Fire	2	1	1				1	1						1	1	1	1																							
Unknown	0																																							
Scalding	0																																							
TOTAL	6	3	3	1			2	2	1		1		1	3	2	2	2	1																						
CARBON MONOXIDE:																																								
Auto Exhaust	4	3	1			3	1							3	1	2		1	1								1													
Conflagration	10	3	7	3	6	1								3	7	3	7																							
Natural Gas	0																																							
TOTAL	14	6	8	3	6	3	2							6	8	5	7	1	1									1												

ACCIDENTS IN THE HOME

1999 FATALITIES RESULTING FROM ACCIDENTS IN THE HOME

TABLE 13 (continued)

MODE - ALCOHOL INCIDENCE

MODE	TOTAL	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	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M
CRUSHING:																												
Vehicle	1	1		1												1	1											
TOTAL	1	1		1												1	1											
ELECTRUCION:																												
Lightning	1	1					1									1	1											
TOTAL	1	1					1									1	1											
EXPLOSION:																												
Tractor	1	1					1	1	1																			
TOTAL	1	1					1	1	1																			
EXPOSURE:																												
Cold	1	1					1									1	1											
TOTAL	1	1					1									1	1											
SHOOTING:																												
Self-inflicted	1	1				1										1	1											
TOTAL	1	1				1										1	1											
STABBING:																												
Glass	1	1				1										1	1											
TOTAL	1	1				1										1	1											
STRUCK BY OBJECT:																												
Tree	3	2	1			2	1									2	1		1	2			1	1				
TOTAL	3	2	1			2	1									2	1		1	2			1	1				
OTHER:																												
Moving Dresser	1	1		1					1	1																		
TOTAL	1	1		1					1	1																		

1999 FATALITIES RESULTING FROM ACCIDENTS IN THE HOME

MODE - ALCOHOL INCIDENCE

TABLE 14

MODE	TOTAL	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	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
<u>POISONING*:</u>																															
<i>Single Chemical Agent:</i>																															
Cocaine	15	9	6	5	4	3	2	1																							
Doxepin	1	1	1		1																										
Drug Abuse	1	1				1																									
Heroin	6	4	2	3	2	1																									
Morphine	1	1				1																									
Oxycodone	1	1		1																											
Phencyclidine	2	2		1		1																									
Valproic Acid	1	1						1																							
TOTAL	28	18	10	10	7	7	2	1	1																						
<i>Combined Effect of Ethanol and:</i>																															
Chloroethan	1	1		1																											
Cocaine	5	4	1	3	1	1																									
Diazepam	1	1		1																											
Heroin	3	3		1		1		1																							
Opiates	1		1				1																								
Oxycodone	1	1				1																									
Cocaine and Heroin	1	1		1																											
Cocaine and Opiate	2	2		2																											
Fluoxetine and Diazepam	1		1				1																								
Oxycodone and Diazepam	1	1				1																									
Acetaminophen, Hydrocodone and Meperidine	1		1		1																										
Cocaine, Heroin and Diazepam	1		1		1																										
TOTAL	19	14	5	9	3	4	2	1																							

*Drugs mentioned in cause of death.

1999 FATALITIES RESULTING FROM ACCIDENTS IN THE HOME

TABLE 14 (continued)

MODE - ALCOHOL INCIDENCE

MODE	TOTAL	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			
		M	F	M	F	M	F	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* (continued):																															
<i>Combined Effect of Two Chemical Agents</i>																															
Cocaine and Codeine	1		1		1																										
Cocaine and Marijuana	1		1		1																										
Cocaine and Opiate	2		2		2																										
Codeine and Propoxyphene	1	1				1																									
Heroin and Codeine	1	1				1																									
Heroin and Diazepam	2	2				2																									
Heroin and Nortriptyline	1	1				1													1												
Hydrocodone and Diazepam	1	1		1																											
Hydrocodone and Olanzapine	1	1				1																									
TOTAL	11	7	4	1	4	6																									
<i>Combined Effect of Three or More Chemical Agents</i>																															
Butalbital, Hydrocodone and Diazepam	1		1		1																										
Cocaine, Heroin and Diazepam	1	1		1																											
Cocaine, Morphine and Olanzapine	1	1				1																									
Heroin, Codeine and Amitriptyline	1	1		1																											
Heroin, Nortriptyline and Doxylamine	1		1		1																										
Oxycodone, Diazepam and Alprazolam	1	1		1																											
Cocaine, Morphine, Codeine and Pentazocine	1	1				1																									
Hydrocodone, Opiate, Diazepam and Acetaminophen	1	1				1																									
Carisoprodol, Diazepam, Hydrocodone, Chlorpromazine and Propoxyphene	1		1				1																								
Doxepin, Barbiturate, Benzodiazepine, Acetaminophen and Salicylate	1		1				1																								
TOTAL	10	6	4	3	2	3	2																								
GRAND TOTAL	68	45	23	23	16	20	6	2	1																						

1999 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		1											1								2		1	1							1	1	1		6	3	9		
BURNING													1																					2	3	3	6		
CARBON MONOXIDE			1	1		1							1	1					1	1										2		1	3	6	8	14			
CRUSHING																					1															1	1		
ELECTROCUTION																								1												1	1		
EXPLOSION																													1							1	1		
EXPOSURE																						1														1	1		
FALLING													1	1	1						2	3	4	2	2	3	4	5	6	4	11	20	31	38	78	79	137	216	
POISONING	1	1		1				2		1		2	1	4	3	8	4	10	3	13	8	3	1		1										45	23	68		
SHOOTING							1																													1	1		
STABBING																										1										1	1		
STRANGULATION																																					0		
STRUCK BY OBJECT													2									1														2	1	3	
UNDETERMINED																							1	1			1	1					1	2	6	1	7		
OTHERS																																		1		1	1		
TOTAL	1	2	1	2		1		3		1		5	2	7	4	9	4	10	4	19	10	7	6	6	3	5	4	8	7	5	11	24	33	43	83	154	176	330	

ACCIDENTS IN THE HOME

1999 FATALITIES RESULTING FROM ACCIDENTS IN THE HOME

TABLE 16

FALLS - ALCOHOL INCIDENCE

FALLS BY CODE*	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	
E880 - From Stairs	38	16	22	4	10	4	10					12	12	12	11		1	1								
E881 - From Ladder	5	5		1					1			4		4												
E882 - From Building or Other Structure	1	1										1				1									1	
E884 - From One Level to Another																										
<i>Bathtub</i>	4	2	2	2	1	2	1						1		1											
<i>Bed</i>	6	3	3	3	2	3	2						1				1							1		
<i>Cane</i>	1		1		1		1																			
<i>Chair</i>	3	1	2		2		1			1		1		1												
<i>Walker</i>	11	5	6	3	5	3	5					2	1	2	1											
E885 - On Same Level	144	43	101	21	76	21	72			4		22	25	21	24	1	1	1			1					
E888 - Unspecified	3	3		2		2						1		1												
TOTAL	216	79	137	36	97	35	92			1	5	43	40	41	37	2	3	1	1		1				1	1

*International classification of diseases by World Health Organization: Ninth Revision.

1999 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										1	1	1	2	3	2		2	1	8	7	7	16	22	38							
E881 - From Ladder																																						5		5						
E882 - From Building or Other Structure																																						1		1						
E884 - From One Level to Another																																														
<i>Bathtub</i>																																										4				
<i>Bed</i>																																										6				
<i>Cane</i>																																										1				
<i>Chair</i>																																										3				
<i>Walker</i>																																										11				
E885 - On Same Level																	1																											144		
E888 - Unspecified																		1																										3		
TOTAL																1	1	1									2			3	4	2	2	3	4	5	6	4	11	20	31	38	78	79	137	216

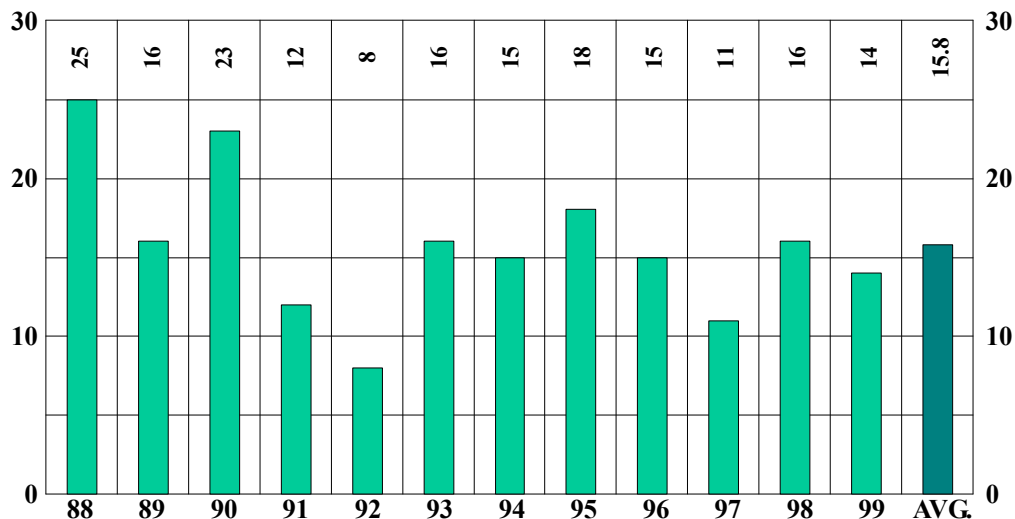
*International classification of diseases by World Health Organization: Ninth Revision.

ACCIDENTS IN THE HOME



ACCIDENTS WHILE AT WORK

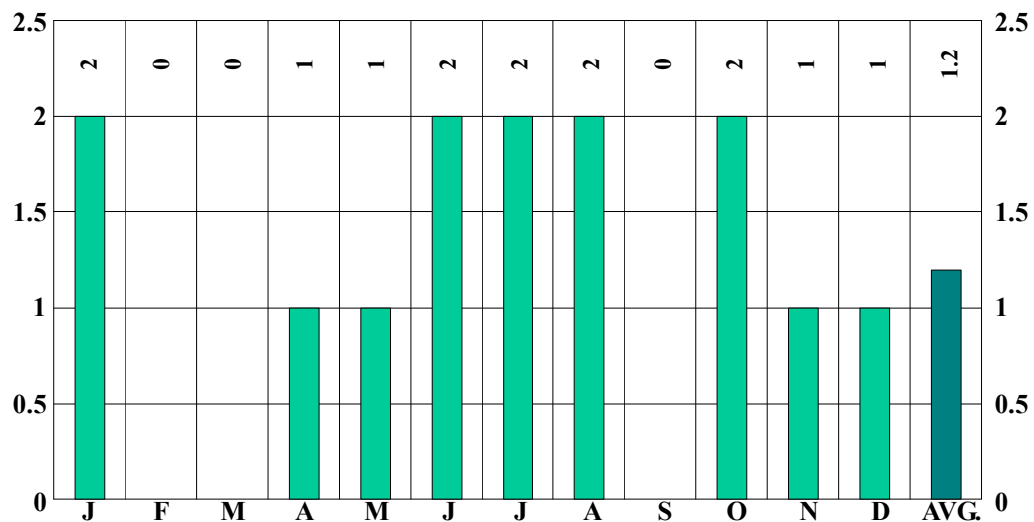
FOR A PERIOD OF TWELVE YEARS



		NUMBER	PERCENT
SEX	MALE	14	100
	FEMALE	0	0
RACE	WHITE	11	79
	NON-WHITE	3	21
ALCOHOL	TESTED	12	86
	POSITIVE	0	0
AUTOPSY	AUTOPSIED	12	86

ACCIDENTS WHILE AT WORK

BY MONTH FOR THE YEAR 1999

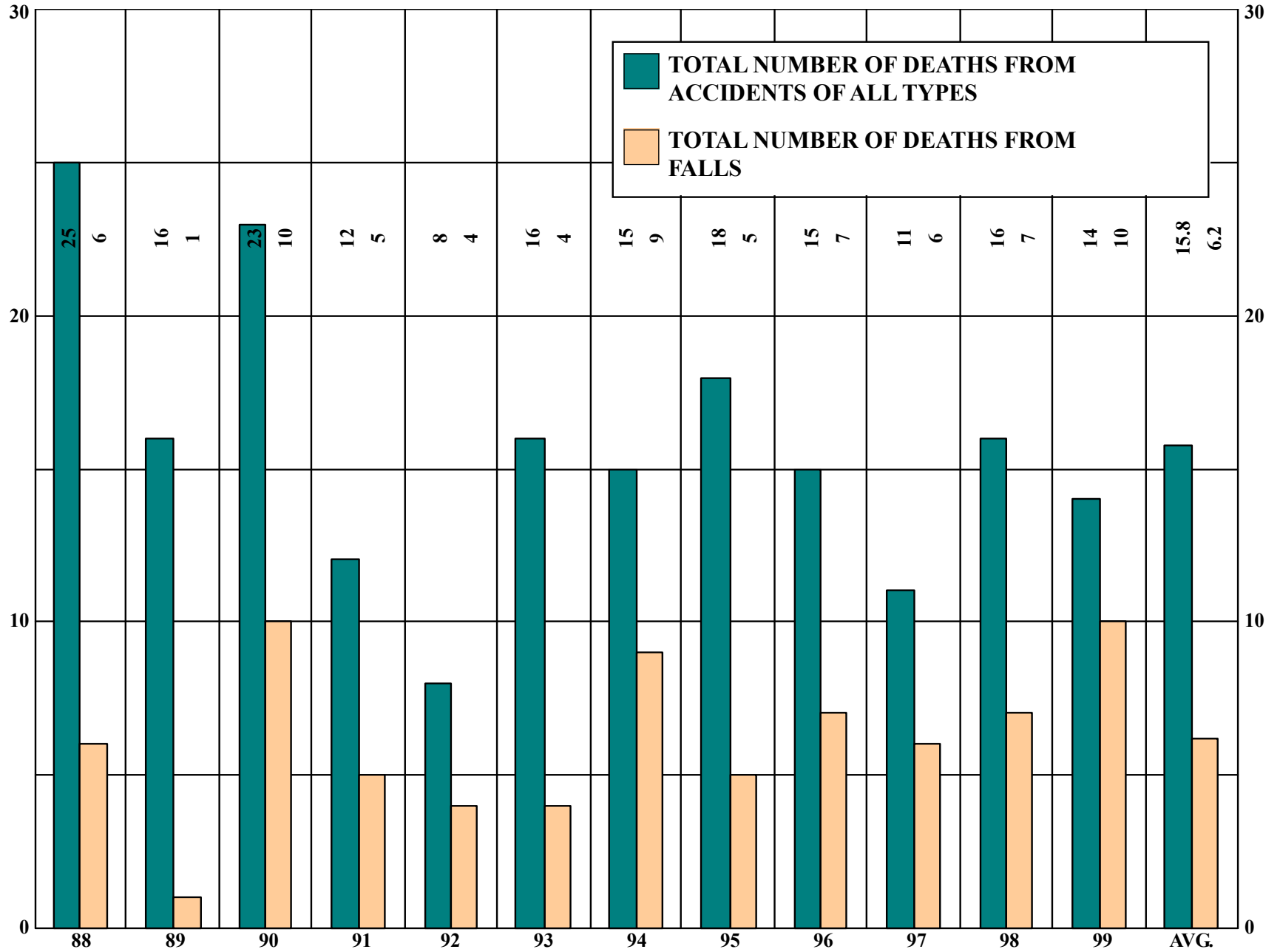


1999
TOTAL CASES
14

ACCIDENTS WHILE AT WORK

FATALITIES RESULTING FROM ACCIDENTS WHILE AT WORK

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



1999 FATALITIES RESULTING FROM ACCIDENTS WHILE AT WORK

MONTHLY ALCOHOL INCIDENCE

TABLE 18

MONTH	TOTAL	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	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M
JANUARY	2	2		1		1																						
FEBRUARY																												
MARCH																												
APRIL	1	1				1			1		1																	
MAY	1	1		1												1		1										
JUNE	2	2		2												2		2										
JULY	2	2				1		1								2		2										
AUGUST	2	2				1		1		1		1				1		1										
SEPTEMBER																												
OCTOBER	2	2		1				1								2		2										
NOVEMBER	1	1				1										1		1										
DECEMBER	1	1				1										1		1										
TOTAL	14	14		5		6		3		2		2				12		12										

ACCIDENTS WHILE AT WORK

1999 FATALITIES RESULTING FROM ACCIDENTS WHILE AT WORK

TABLE 19

AGE - RACE - ALCOHOL INCIDENCE

AGE	RACE	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
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	1	1								1	1										
30 - 34	White	1	1								1	1										
	Non-White																					
35 - 39	White																					
	Non-White																					
40 - 44	White	2	2								2	2										
	Non-White																					
45 - 49	White	1	1								1	1										
	Non-White	1	1								1	1										
50 - 54	White	2	2								2	2										
	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																					
	Non-White																					
80 - over	White	2	2								2	2										
	Non-White																					
TOTAL	White	11	11			2	2				9	9										
	Non-White	3	3								3	3										
GRAND TOTAL		14	14			2	2				12	12										

1999 FATALITIES RESULTING FROM ACCIDENTS WHILE AT WORK

MODE - ALCOHOL INCIDENCE

TABLE 20

MODE	TOTAL	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		
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
CRUSHING	2	2		2										2	2										
FALLING	10	10		3		5		2		2		2		8	8										
STRUCK BY OBJECT	2	2				1		1						2	2										
TOTAL	14	14		5		6		3		2		2		12	12										

1999 FATALITIES RESULTING FROM ACCIDENTS WHILE AT WORK

TABLE 21

MODE - ALCOHOL INCIDENCE

MODE	TOTAL	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			
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F		
<u>CRUSHING:</u>																																							
Pulled into Machine	1	1		1																																			
Steel Structure	1	1		1																																			
TOTAL	2	2		2																																			
<u>STRUCK BY OBJECT:</u>																																							
Fork Lift	1	1				1																																	
Rebar	1	1						1																															
TOTAL	2	2				1		1																															

1999 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 - 69		70-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		
CRUSHING													1									1		2		2
FALLING					2		1				1		1		2		1					2		10		10
STRUCK BY OBJECT										1				1									2		2	
TOTAL					2		1			2		2		3		1						3		14		14

FATALITIES RESULTING FROM ACCIDENTS WHILE AT WORK

FALLS - ALCOHOL INCIDENCE

TABLE 23

FALLS BY CODE*	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			
E881 -From Ladder or Scaffolding	2	2											2	2												
E882 -From Building or Other Structure	2	2											2	2												
E883 -Into Hole	2	2											2	2												
E885 -On Same Level	4	4			2	2							2	2												
TOTAL	10	10			2	2							8	8												

*International classification of diseases by World Health Organization: Ninth Revision.

1999 FATALITIES RESULTING FROM ACCIDENTS WHILE AT WORK

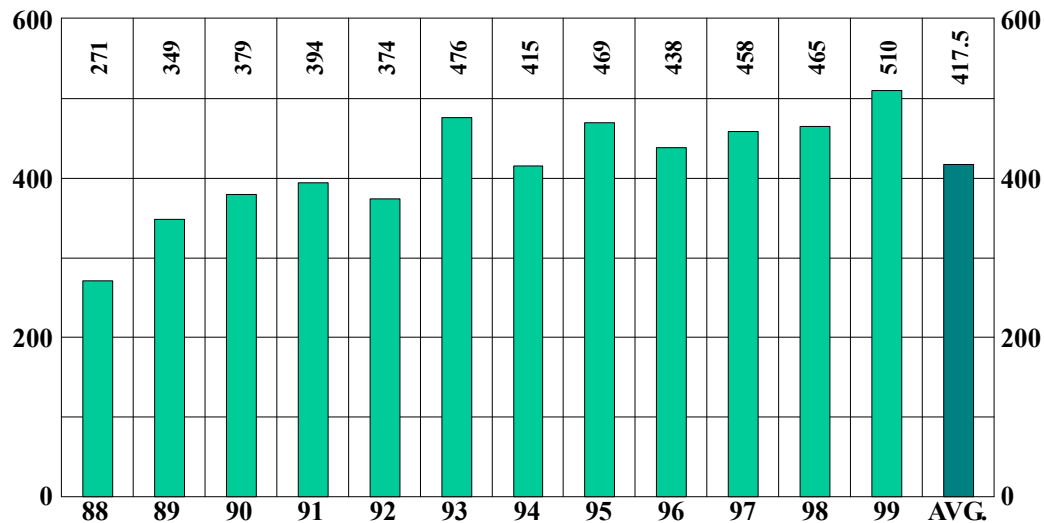
TABLE 24

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 - 69		70-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		
E881 - From Ladder or Scaffolding							1								1									2		2
E882 - From Building or Other Structure					1						1													2		2
E883 - Into Hole					1																1			2		2
E995 - On Same Level												1		1		1					1			4		4
TOTAL					2		1				1		1		2		1				2			10		10

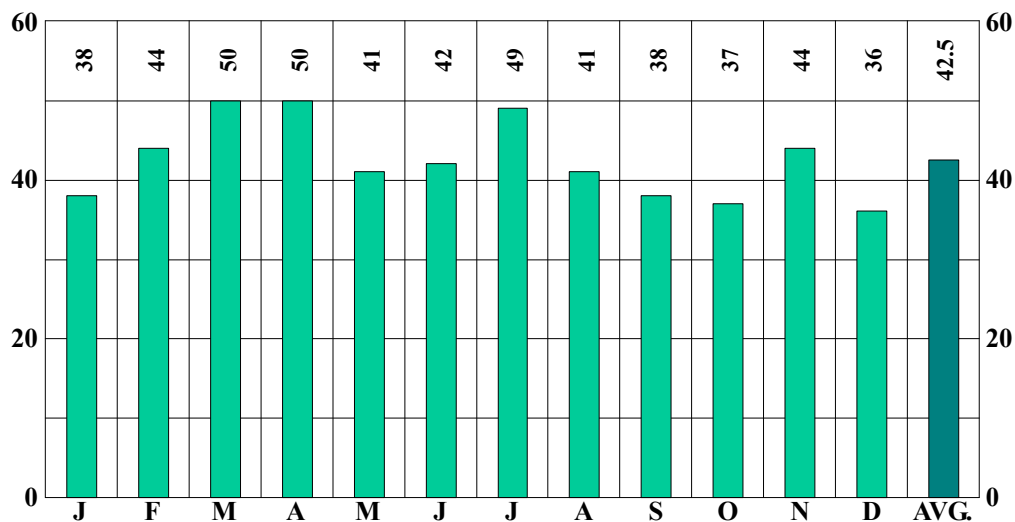
*International classification of diseases by World Health Organization: Ninth Revision.

**ACCIDENTS IN OTHER PLACES
FOR A PERIOD OF TWELVE YEARS**



		NUMBER	PERCENT
SEX	MALE	266	52
	FEMALE	244	48
RACE	WHITE	405	79
	NON-WHITE	105	21
ALCOHOL	TESTED	201	39
	POSITIVE	26	13
AUTOPSY	AUTOPSIED	131	26

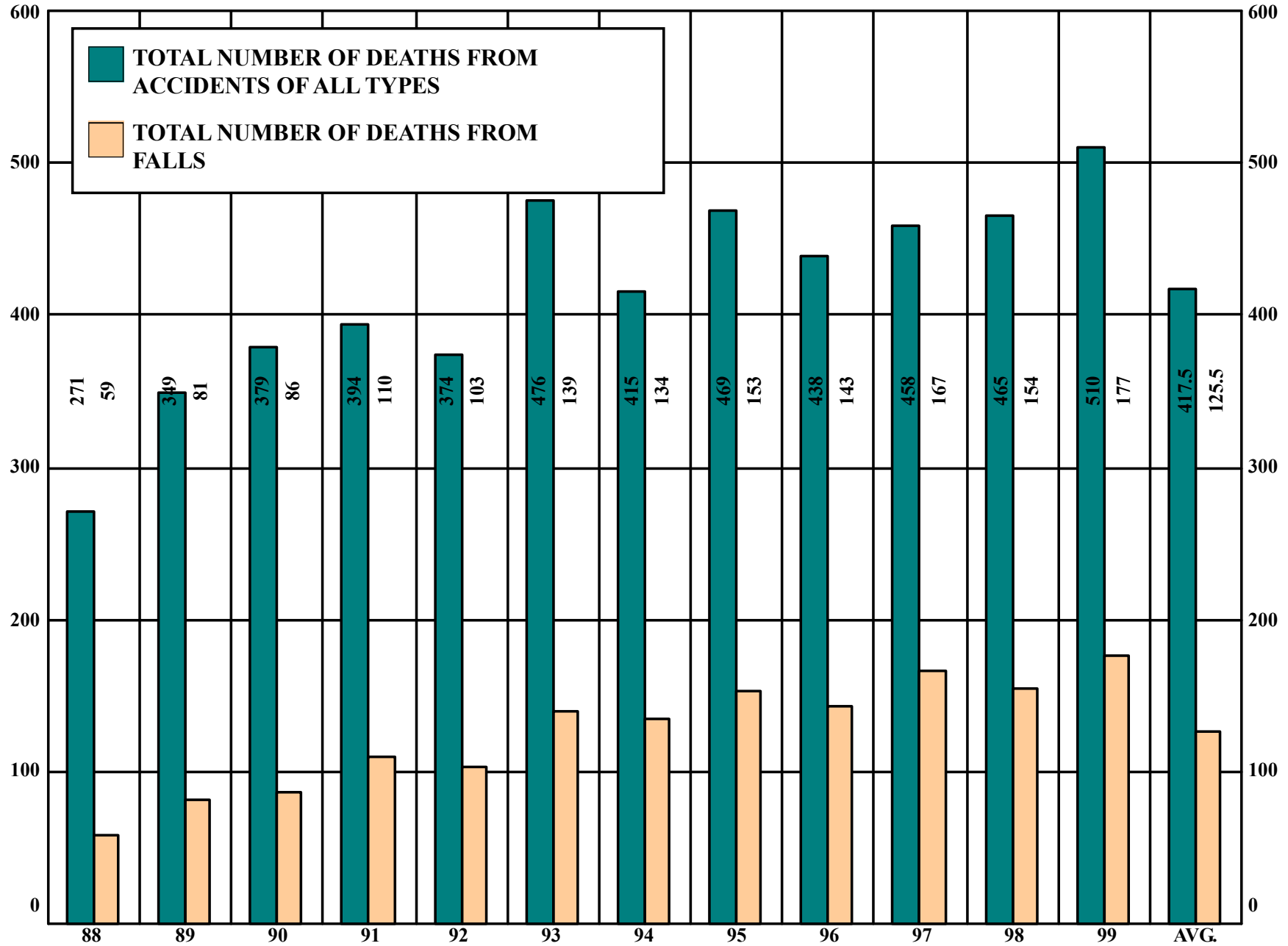
**ACCIDENTS IN OTHER PLACES
BY MONTH FOR THE YEAR 1999**



1999
TOTAL CASES
510

FATALITIES RESULTING FROM ACCIDENTS IN OTHER PLACES

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



ACCIDENTS IN OTHER PLACES⁶¹

1999 FATALITIES RESULTING FROM ACCIDENTS IN OTHER PLACES

TABLE 25

MONTHLY ALCOHOL INCIDENCE

MONTH	TOTAL	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			
		M	F	M	F	M	F	M	F	M	F	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	38	18	20	13	11	5	9			10	15	6	10			4	5	8	5	8	4		1					1											
FEBRUARY	44	23	21	12	10	11	11			13	16	10	11			3	5	10	5	9	5	1		1															
MARCH	50	25	25	14	12	11	13			15	17	13	13			2	4	10	8	7	8	3			2		1												
APRIL	50	31	19	26	10	3	8	2	1	18	9	15	8		1	3		13	10	10	10	3		2		1													
MAY	41	21	20	15	11	5	9	1		11	12	8	9			3	3	10	8	7	6	3	2			1	1	1			1	1							
JUNE	42	22	20	13	11	7	9	2		6	17	5	15			1	2	16	3	14	3	2		1											1				
JULY	49	27	22	12	12	13	10	2		20	16	18	14		1	2	1	7	6	6	6	1												1					
AUGUST	41	26	15	14	6	10	8	2	1	12	11	10	10			2	1	14	4	11	4	3		1					2										
SEPTEMBER	38	18	20	12	13	5	6	1	1	9	10	6	6			3	4	9	10	7	9	2	1			1	1				1								
OCTOBER	37	18	19	11	11	5	8	2		12	13	8	12			4	1	6	6	5	6	1							1										
NOVEMBER	44	23	21	13	11	10	10			11	14	9	11			2	3	12	7	11	7	1							1										
DECEMBER	36	14	22	11	12	1	10	2		7	15	5	9			2	6	7	7	6	6	1	1						1	1									
TOTAL	510	266	244	166	130	86	111	14	3	144	165	113	128		2	31	35	122	79	101	74	21	5	5		5	2	2	1	5	2	2		1			1		

1999 FATALITIES RESULTING FROM ACCIDENTS IN OTHER PLACES

AGE - RACE - ALCOHOL INCIDENCE

TABLE 26

AGE	RACE	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	1	1	1					1			1																			
	Non-White	4	2	2		2		1		1				2		2																
1 - 4	White	1		1		1						1																				
	Non-White																															
5 - 9	White	1	1		1					1																						
	Non-White	1	1										1	1																		
10 - 14	White	1	1										1	1																		
	Non-White																															
15 - 19	White	2	2										2	2																		
	Non-White	1	1										1	1																		
20 - 24	White	7	6	1		1		1					6	4		2						1	1									
	Non-White																															
25 - 29	White	4	1	3		1		1					1	2		1	1	1	1						1							
	Non-White	3	2	1									2	1	1	1	1			1												
30 - 34	White	1	1										1	1																		
	Non-White	4	3	1	1					1			2	1	2	1																
35 - 39	White	16	13	3	2					2			11	3	4	2	7	1	2			1		3	1			1				
	Non-White	7	3	4	2	2	2				2		1	2		2	1			1									1			
40 - 44	White	13	10	3	5	2	2	2		3			5	1	4	1	1															
	Non-White	9	7	2									7	2	5	2	2			1				1								
45 - 49	White	13	10	3	4		2			2			6	3	5	2	1	1						1			1					
	Non-White	13	10	3	1	1				1	1		9	2	9	2																
50 - 54	White	17	9	8	3	6	2	6		1			6	2	5	2	1							1								
	Non-White	9	6	3	1		1						5	3	4	2	1	1				1	1									
55 - 59	White	13	6	7	5	4	5	3			1		1	3	1	3																
	Non-White	5	4	1		1	1						4	2		2			2													
60 - 64	White	22	12	10	9	9	6	6			3	3	3	1	3	1																
	Non-White	6	5	1		1				1			5		5																	
65 - 69	White	34	22	12	14	8	10	5			4	3	8	4	7	4	1															
	Non-White	9	4	5	2	5	2	4				1	2		2					1												
70 - 74	White	39	21	18	15	11	12	5			3	6	6	7	6	7																
	Non-White	10	3	7	2	4	2	3				1	1	3	1	3																
75 - 79	White	51	27	24	22	16	21	15			1	1	5	8	5	8																
	Non-White	8	5	3	4	2	4	1				1	1	1	1	1																
80 - over	White	168	61	107	46	80	39	67			7	13	15	27	15	27																
	Non-White	16	6	10	4	8	3	7			1	1	2	2	2	2																
TOTAL	White	405	204	201	127	139	99	111			28	28	77	62	63	58	14	4	3					4	2	2		1	1			
	Non-White	105	62	43	17	26	14	17			2	3	7	45	17	38	16	7	1	2				1	1	1						
GRAND TOTAL		510	266	244	144	165	113	128			2	31	35	122	79	101	74	21	5	5				5	2	2	1	5	2	2	1	1

ACCIDENTS IN OTHER PLACES 93

1999 FATALITIES RESULTING FROM ACCIDENTS IN OTHER PLACES

TABLE 27

MODE - ALCOHOL INCIDENCE

MODE	TOTAL	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	
		M	F	M	F	M	F	M	F	M	F	M	F	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	1	1						1										1	1																		
ASPHYXIA	17	13	4	9	1	3	3	1		1	1							12	4	8	4	4	1	2									1				
BURNING	1	1						1										1	1																		
FALLING	177	79	98	29	29	43	66	7	3	52	71	50	67			2	4	27	27	24	27	3			1	1							1				
POISONING	51	39	12	32	11	7	1			2	1	1	1			1		37	11	27	7	10	4	4		2	1	1	4	1			1				
RAILROAD ACCIDENT	4	3	1		1	2		1										3	1	2		1	1		1								1				
STRANGULATION	1	1				1												1				1															
STRUCK BY OBJECT	1		1				1				1	1																									
THERAPEUTIC COMPLICATION	222	121	101	91	80	30	21			87	72	60	44		2	27	26	34	29	34	29																
UNDETERMINED	30	5	25	4	7		18	1		2	18	1	13			1	5	3	7	2	7	1													1		
OTHER*	5	3	2	1	1		1	2			2	2						3	2		1			1													
TOTAL	510	266	244	166	130	86	111	14	3	144	165	113	128		2	31	35	122	79	101	74	21	5	5		5	2	2	1	5	2	2		1	1		

* Injury while being moved, Heavy equipment rollover, Cot tipped over, Allergic reaction to shellfish and Injury during physical therapy.

1999 FATALITIES RESULTING FROM ACCIDENTS IN OTHER PLACES

MODE - ALCOHOL INCIDENCE

TABLE 28

MODE	TOTAL	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
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M
<u>AIRPLANE:</u>																										
Pilot	1	1					1									1	1									
TOTAL	1	1					1									1	1									
<u>ASPHYXIA:</u>																										
Aspiration of Foreign Body	9	6	3	4	1	2	2			1	1					5	3	5	3							
Drowning	8	7	1	5		1	1	1								7	1	3	1	4			1			
TOTAL	17	13	4	9	1	3	3	1		1	1					12	4	8	4	4					1	
<u>BURNING:</u>																										
Lighter fluid on camp fire	1	1						1								1	1									
TOTAL	1	1						1								1	1									
<u>RAILROAD ACCIDENT:</u>																										
Employee	1	1				1										1	1									
Trespasser	3	2	1		1	1		1								2	1	1		1	1			1		
TOTAL	4	3	1		1	2		1								3	1	2		1	1			1		
<u>STRANGULATION:</u>																										
Chain link fence	1	1				1										1						1				
TOTAL	1	1				1										1						1				
<u>STRUCK BY OBJECT:</u>																										
Automatic doors	1		1				1				1	1														
TOTAL	1		1				1				1	1														
<u>OTHER:</u>																										
Allergic reaction to seafood	1	1		1												1				1						
Being moved	1		1				1				1	1														
Cot turned over	1	1						1								1	1									
Heavy Equipment rollover	1	1						1								1	1									
Physical therapy	1		1		1						1	1														
TOTAL	5	3	2	1	1		1	2			2	2				3	2	1						1		

1999 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																																						1		1		1		
ASPHYXIA									2		1		1						1		1							2	1	1		1	1	2		1	1	13	4	17				
BURNING																																								1		1		
FALLING									1		2								3	1									2	1	1		2	2	5	7	15	8	45	78	79	98	177	
POISONING	2	1									1		1	3	4	1	8	2	6	1	9	2	4	2	3		1													39	12	51		
RAILROAD ACCIDENT																			1	1		2																			3	1	4	
STRANGULATION											1																															1		1
STRUCK BY OBJECT																																										1		1
THERAPEUTIC COMPLICATION	1	2			1	2		1				1						3	3	8	3	8	2	8	8	5	7	12	10	23	15	17	16	14	17	19	16	121	101	222				
UNDETERMINED										1			1				1			1	1											1		2	2	20	5	25	30					
OTHER												1							1					1			1														1	3	2	5
TOTAL	3	3		1	2		1		3		6	1	3	4	4	1	16	7	17	5	20	6	15	11	10	8	17	11	26	17	24	25	32	27	67	117	266	244	510					

ACCIDENTS IN OTHER PLACES⁹⁷

1999 FATALITIES RESULTING FROM ACCIDENTS IN OTHER PLACE

TABLE 31

FALLS - ALCOHOL INCIDENCE

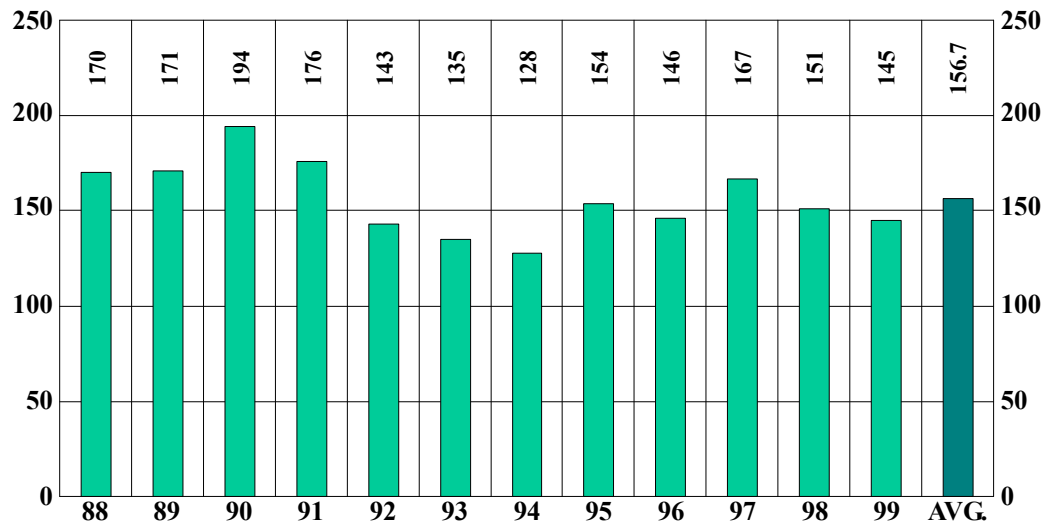
FALLS BY CODE*	TOTAL	NOT TESTED										TESTED						STAGES									
		Total		Surv'd Too Long		Under Age		Other		Total		Neg.		Pos.		0.01% 0.04%	0.05% 0.09%	0.10% 0.14%	0.15% 0.19%	0.20% 0.24%	0.25% 0.29%	0.30% or over					
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
E880 - From Stairs	4	2	2	1	1	1	1					1	1	1	1												
E882 - From Building or Other Structure	3	3									3		3														
E884 - From One Level to Another																											
<i>Bathtub</i>	1	1									1		1														
<i>Bed</i>	4	2	2	1	1	1	1					1	1	1	1												
<i>Bicycle</i>	2	2									2		1		1							1					
<i>Cane</i>	1		1		1		1																				
<i>Stool</i>	1	1		1		1																					
<i>Table</i>	1		1										1		1												
<i>Walker</i>	7	2	5	2	5	2	5																				
<i>Wheelchair</i>	9	3	6	3	5	3	4			1		1		1													
E885 -On Same Level	140	59	81	43	58	41	55			2	3	16	23	14	23	2			1		1						
E888 -Unspecified	4	4		1		1						3		3													
TOTAL	177	79	98	52	71	50	67			2	4	27	27	24	27	3			1		1					1	

*International classification of diseases by World Health Organization: Ninth Revision.



VEHICULAR FATALITIES

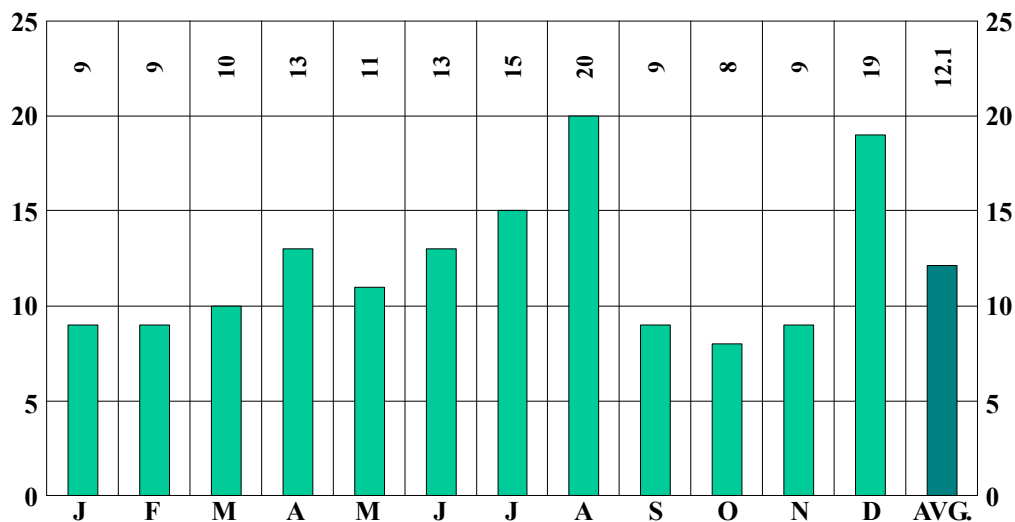
FOR A PERIOD OF TWELVE YEARS



		NUMBER	PERCENT
SEX	MALE	106	73
	FEMALE	39	27
RACE	WHITE	115	79
	NON-WHITE	30	21
ALCOHOL	TESTED	136	94
	POSITIVE	33	24
AUTOPSY	AUTOPSIED	141	97

VEHICULAR FATALITIES

BY MONTH FOR THE YEAR 1999



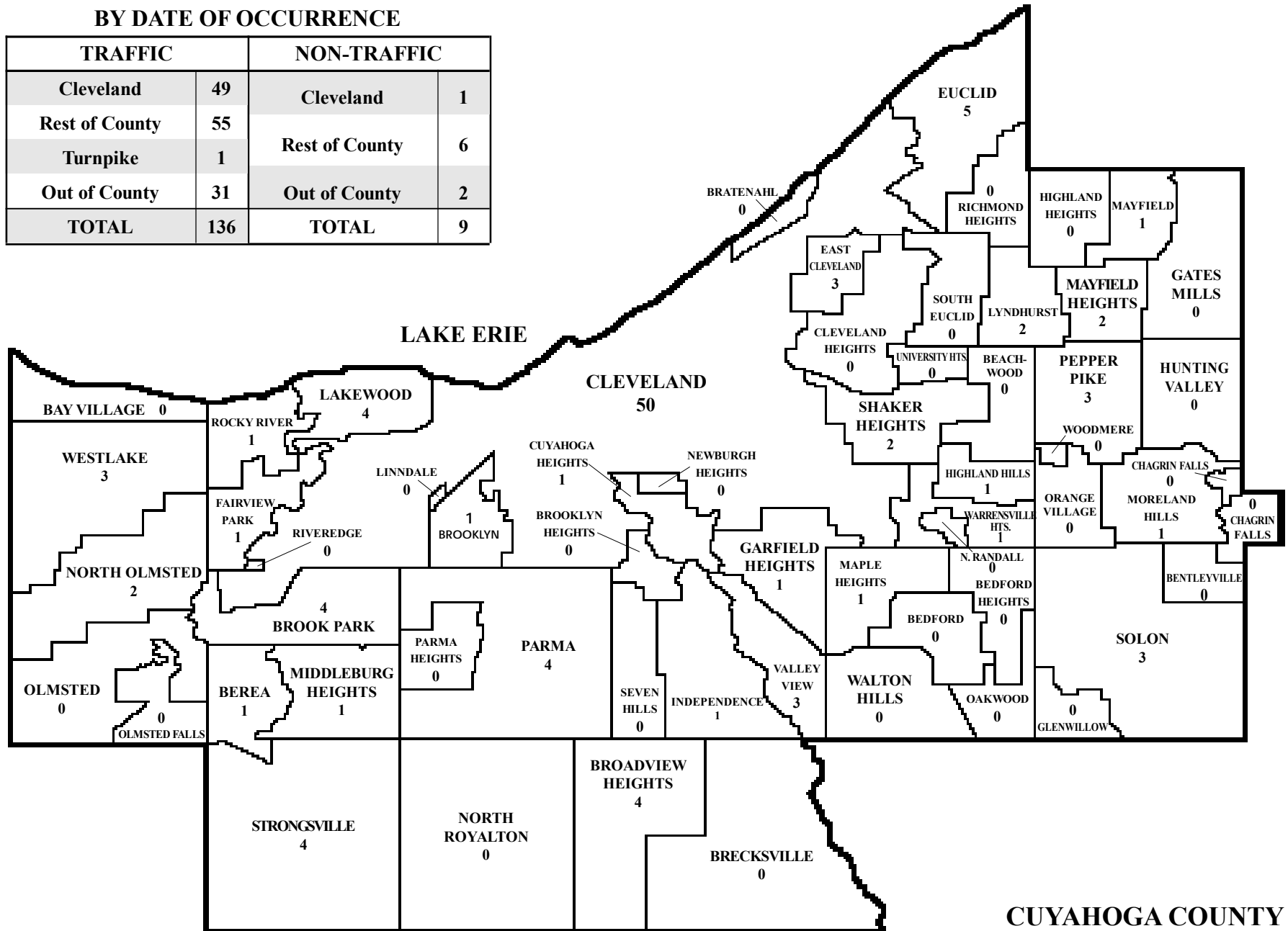
1999
TOTAL CASES
145

MAP 4

DISTRIBUTION OF VEHICULAR FATALITIES

BY DATE OF OCCURRENCE

TRAFFIC		NON-TRAFFIC	
Cleveland	49	Cleveland	1
Rest of County	55	Rest of County	6
Turnpike	1		
Out of County	31	Out of County	2
TOTAL	136	TOTAL	9



VEHICULAR FATALITIES

PHARMACOLOGICAL EFFECTS OF ALCOHOL

VEHICULAR FATALITIES



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
ALTERED JUDGEMENT
INCREASED GOOD FELLOWSHIP
LOQUACIOUSNESS
DULLING OF ATTENTION



PSYCHOMOTOR AREAS (CORTEX)

AFFECTED BY 0.10 - 0.20% ALCOHOL
APRAXIA TREMORS
AGRAPHIA SLURRED SPEECH
ATAXIA 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 FORM
DIMENSIONS MOTION
DIPLOPIA DISTANCE



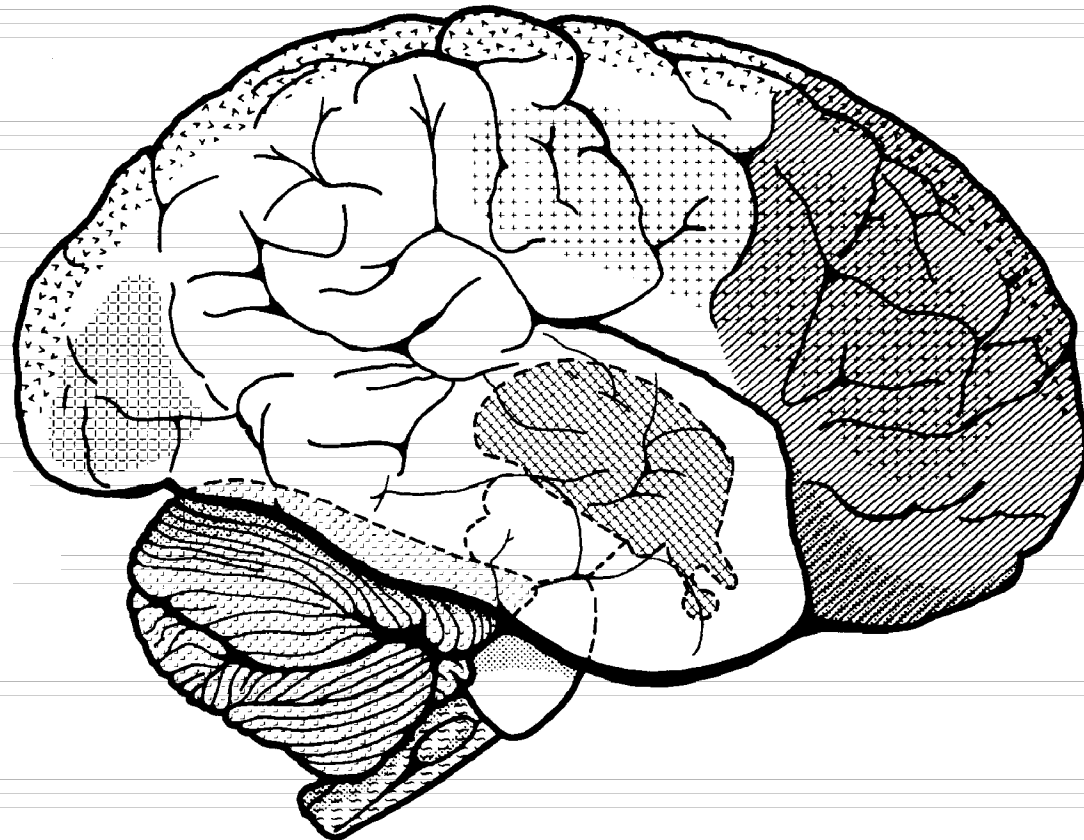
DIENCEPHALON

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



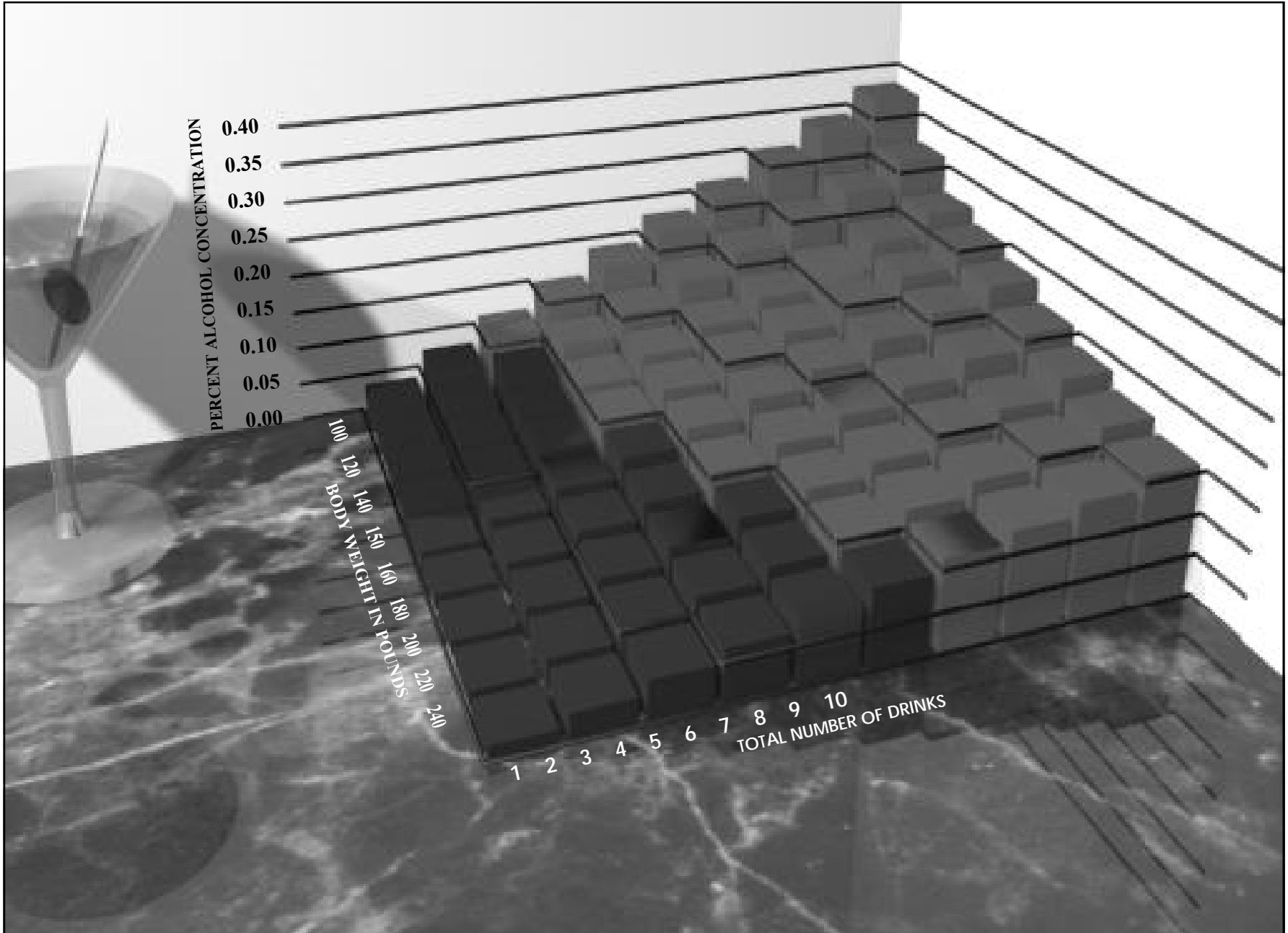
MEDULLA

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.

BLOOD ALCOHOL CONCENTRATION BY WEIGHT



VEHICULAR FATALITIES

BLOOD ALCOHOL CONCENTRATION BY WEIGHT*

APPROXIMATE PERCENT OF ALCOHOL CONCENTRATION IN BLOOD**

BODY WEIGHT IN POUNDS	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	0.222
	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
		1	2	3	4	5	6	7	8	9	10

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.

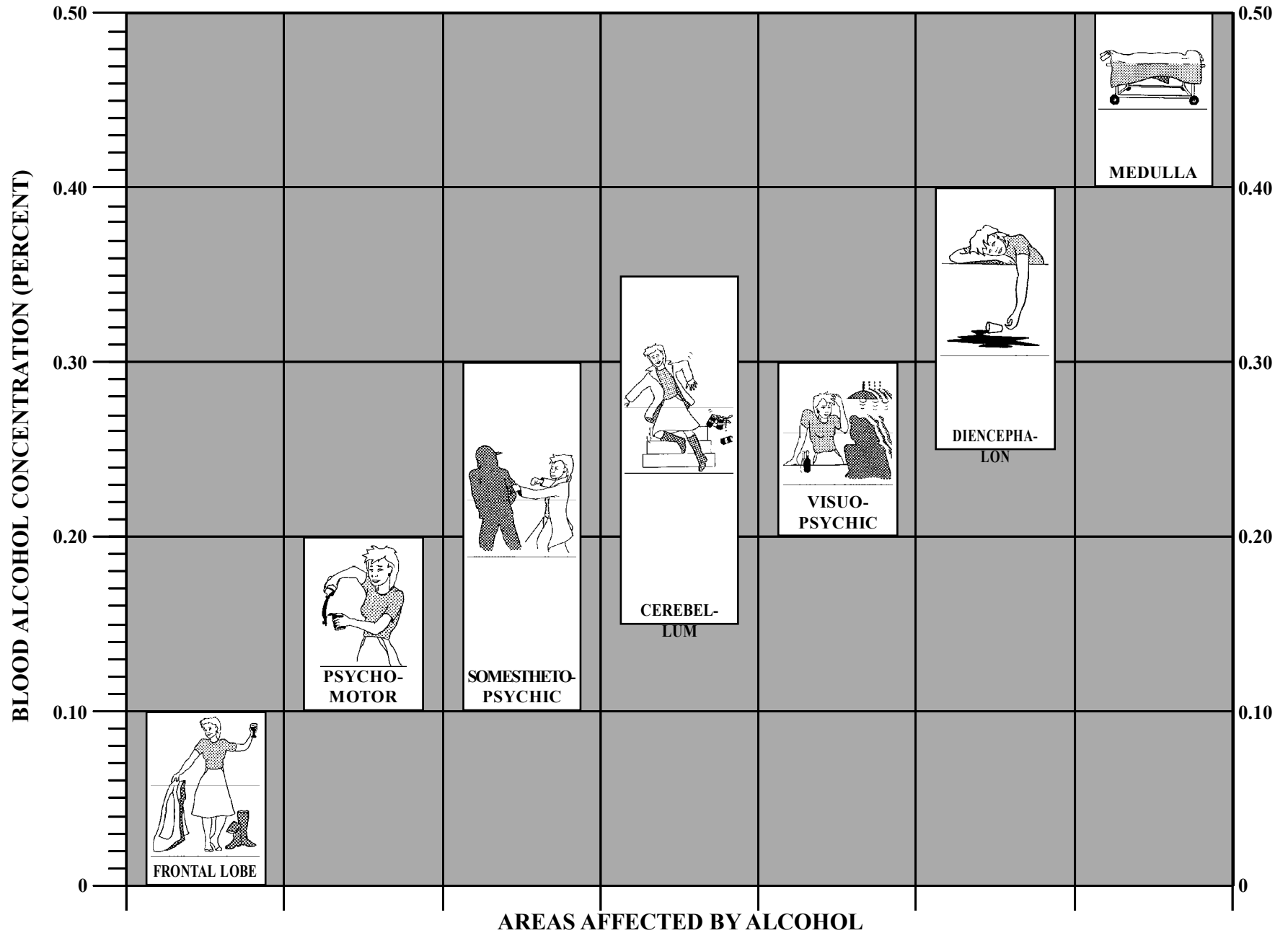
***A drink is defined as one ounce of 100 proof of "hard liquor" (whiskey, vodka, gin, etc.) or twelve ounces of 4% beer or three ounces of fortified wine.

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

VEHICULAR FATALITIES

VEHICULAR FATALITIES

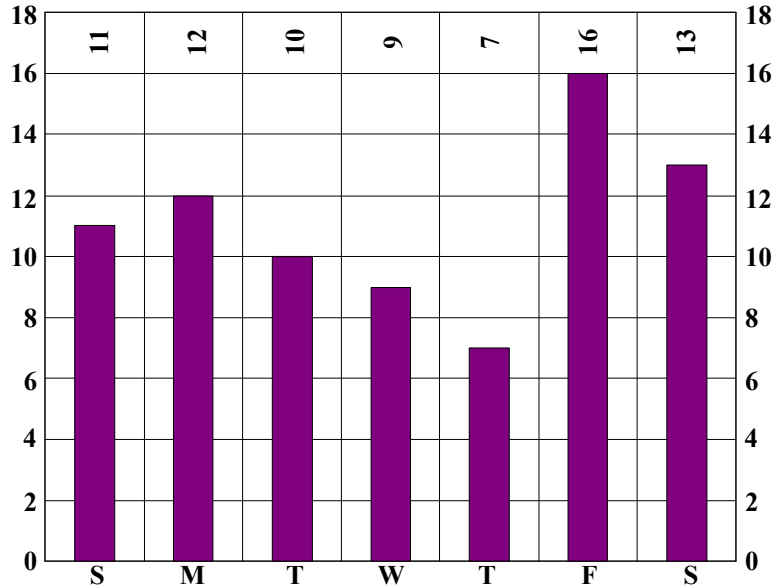
ALCOHOL EFFECTS ON BRAIN DEMONSTRATED PICTORIALLY



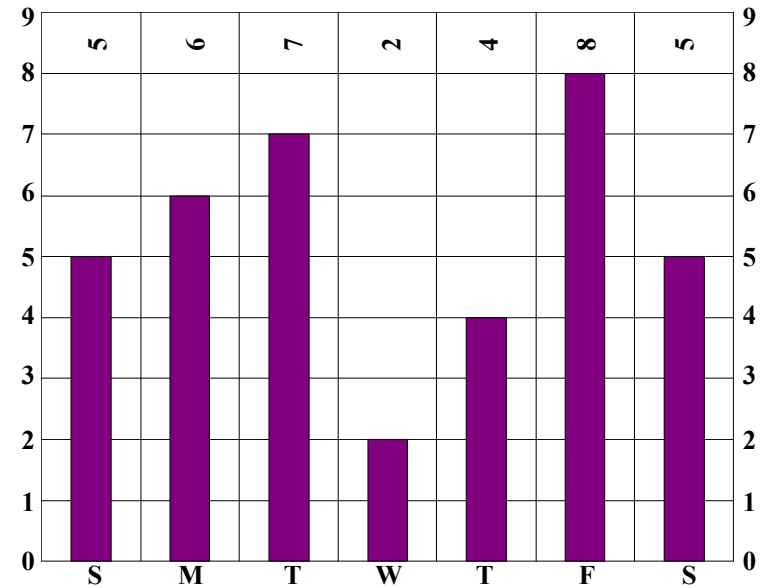
1999 VEHICULAR FATALITIES

DAILY INCIDENCE

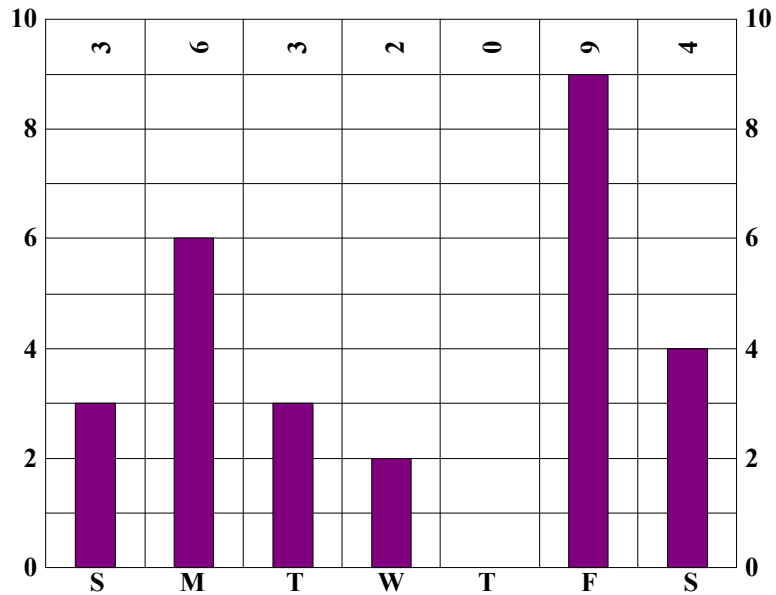
DRIVERS TOTAL - 78*



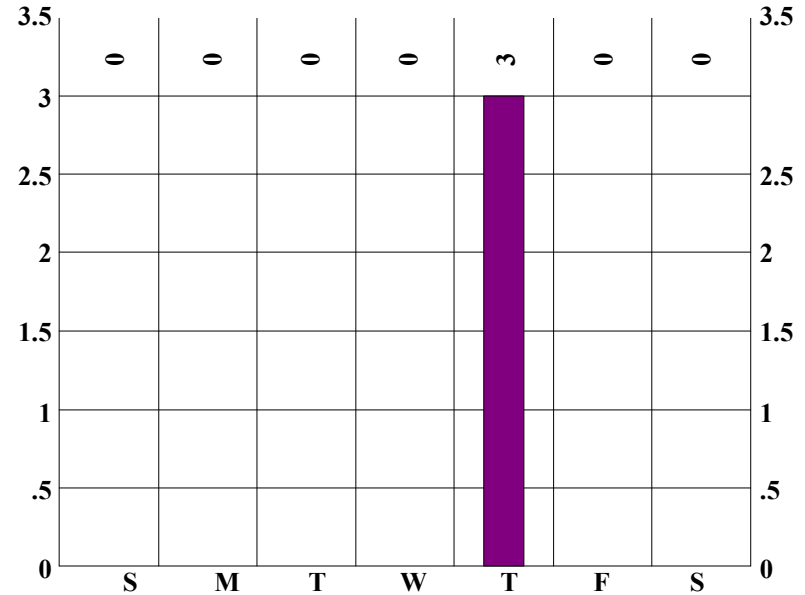
PASSENGERS TOTAL - 37



PEDESTIANS TOTAL - 27



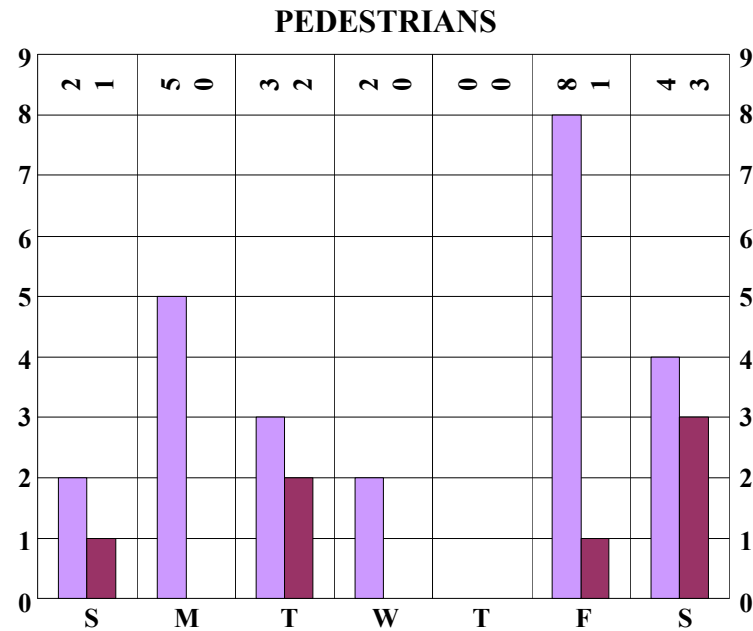
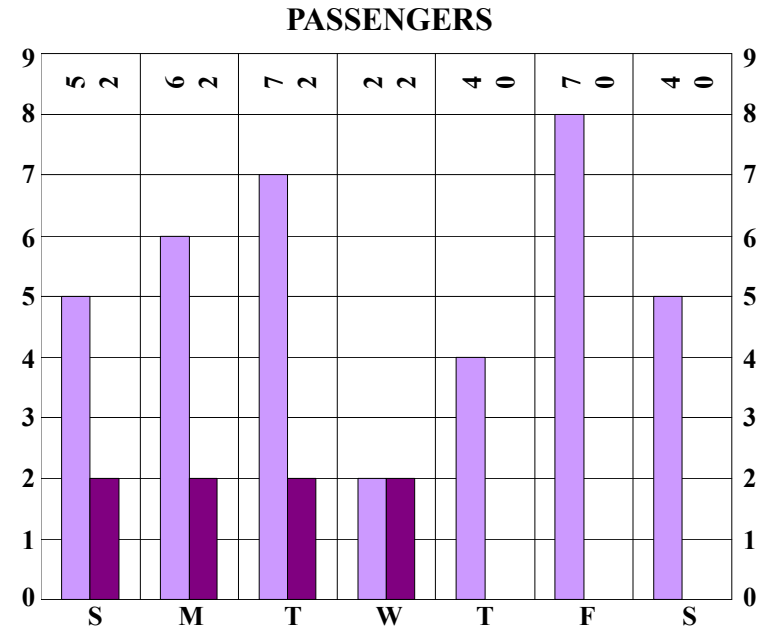
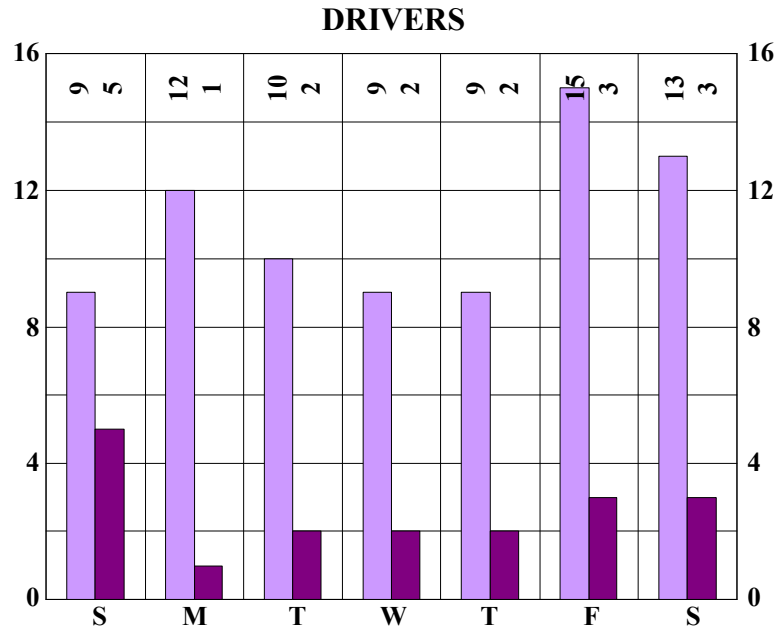
BICYCLISTS TOTAL - 3



*Includes 19 Motorcyclists.

VEHICULAR FATALITIES

1999 VEHICULAR FATALITIES DAILY ALCOHOL INCIDENCE



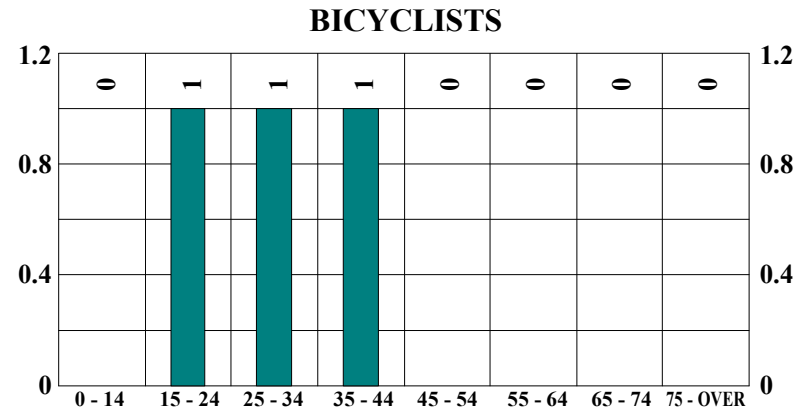
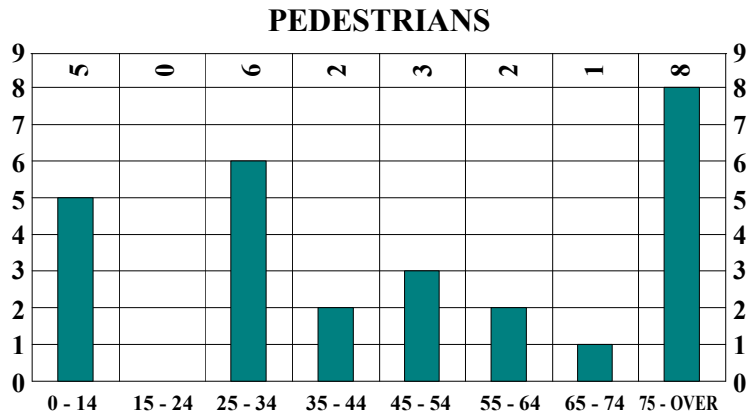
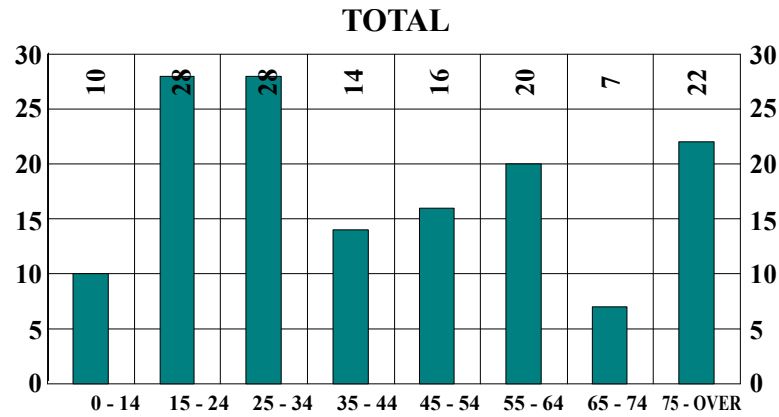
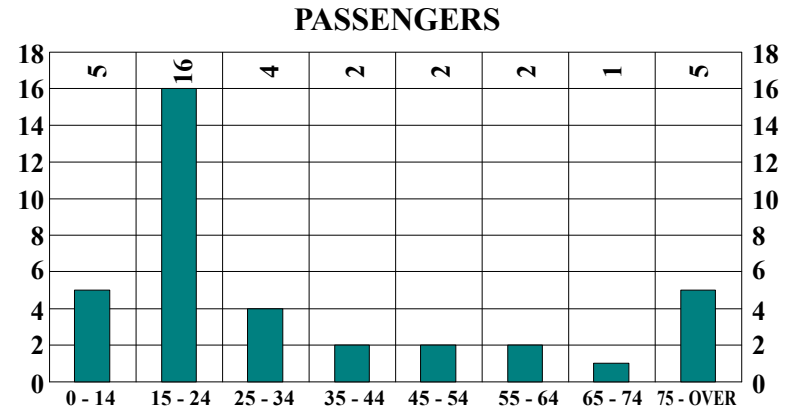
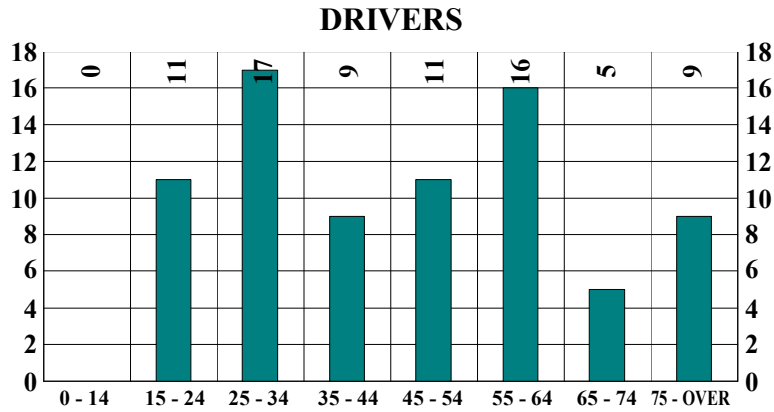
TOTAL TESTED
 TESTED POSITIVE

	TESTED	POSITIVE
DRIVERS:	77	18
PASSENGERS:	35	8
PEDESTRIANS:	24	7
TOTAL	136	33

1999 VEHICULAR FATALITIES

AGE GROUPS - CLASSIFICATION OF VICTIMS

VEHICULAR FATALITIES



1999 VEHICULAR FATALITIES

TABLE 33
CLASSIFICATION OF VICTIMS - ALCOHOL INCIDENCE

CLASSIFICATION	TOTAL											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	
		M	F	M	F	M	F	M	F	M	F	M	F	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	3	3		2		1														3		3																	
DRIVER*	78	63	15	25	4	25	7	12	4	1		3	1	3	1				60	14	43	13	17	1	2		1		6		2		6			1			
PASSENGER	37	23	14	6	4	8	7	9	3			1	1	1			1		22	13	15	12	7	1	1				1	1	4		1						
PEDESTRIAN	27	17	10	5	4	8	5	4	1			2	1	2	1				15	9	11	6	4	3	2				1		1	1	1	1		1			
TOTAL	145	106	39	38	12	42	19	25	8	1		6	3	6	2		1		100	36	72	31	28	5	3	2	1		8	1	7	1	8		1	1			

*Includes 19 Motorecyclists.

VEHICULAR FATALITIES

TABLE 33A
DRIVERS/AGE OF VICTIMS - ALCOHOL INCIDENCE

AGE	TOTAL											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		
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F			
10 - 14																																								
15 - 19	5	5				3		2											5		4		1															1		
20 - 24	4	3	1	1		1		1	1										3	1	1	1	2							1		1								
25 - 29	3	1	2	1			2												1	2	1	1		1												1				
30 - 34	4	4		2		2													4		1		3																	
35 - 39	4	3	1		1	1		2											3	1	1	1	2						1											
40 - 44	2	2		1				1											2		1		1															1		
45 - 49	4	4		3		1													4		3		1															1		
50 - 54	5	4	1	3					1	1									4	1	2	1	2		1													1		
55 - 59	6	5	1	1		2	1	2											5	1	5	1																		
60 - 64	8	6	2	3		2	1	1	1			1		1					5	2	5	2																		
65 - 69	1	1		1															1					1															1	
70 - 74	4	2	2			2	1		1				1		1				2	1	2	1																		
75 - 79	2	1	1		1	1													1	1	1	1																		
80 - over	7	3	4		2	2	2	1				1		1					2	4	2	4																		
TOTAL	59	44	15	16	4	17	7	10	4	1		2	1	2	1			42	14	29	13	13	1	1		1		1		4		1		6			1			

1999 VEHICULAR FATALITIES

TABLE 35

DAILY ALCOHOL INCIDENCE

DAY	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								
SUNDAY	19	14	5	1	2	1	2					13	3	6	2	7	1	2	1			1		4									
MONDAY	24	16	8	1		1						15	8	13	7	2	1	1												1		1	
TUESDAY	20	13	7									13	7	8	6	5	1					1	1	1					2		1		
WEDNESDAY	13	12	1									12	1	8	1	4						2		1					1				
THURSDAY	14	9	5	1		1						8	5	6	5	2						1							1				
FRIDAY	33	26	7	3		3						23	7	20	6	3	1					1						1	2				
SATURDAY	22	16	6		1					1		16	5	11	4	5	1		1	1		2		1				1					
TOTAL	145	106	39	6	3	6	2			1		100	36	72	31	28	5	3	2	1		8	1	7	1	8		1	1				

1999 VEHICULAR FATALITIES

AGE - RACE - ALCOHOL INCIDENCE

TABLE 36

AGE	RACE	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
Under 1 Year	White	1		1								1		1																
	Non-White																													
1 - 4	White	1	1									1	1																	
	Non-White																													
5 - 9	White	4	3	1								3	1	3	1															
	Non-White																													
10 - 14	White	1	1									1	1																	
	Non-White	3	1	2		1			1			1	1	1	1															
15 - 19	White	14	11	3								11	3	10	3	1														1
	Non-White	3	1	2								1	2	1	2															
20 - 24	White	7	6	1								6	1		1	6				2		3		1						
	Non-White	4	3	1								3	1	3						1										
25 - 29	White	10	6	4								6	4	3	2	3	2		1		1		2					1		
	Non-White	6	5	1	1		1					4	1	4			1						1							
30 - 34	White	8	8									8		4		4			1		1			2						
	Non-White	4	4									4	3		1							1								
35 - 39	White	5	4	1								4	1	1	1	3				3										
	Non-White	2	1	1								1	1	1	1															
40 - 44	White	6	6									6	3		3		1			1				1						
	Non-White	1	1									1	1																	
45 - 49	White	8	8									8	5		3							1		1		1				
	Non-White	1	1									1	1																	
50 - 54	White	7	4	3								4	3	2	3	2		1						1						
	Non-White																													
55 - 59	White	8	8		1		1					7		6		1		1												
	Non-White	1		1								1		1																
60 - 64	White	9	7	2	1		1					6	2	6	2															
	Non-White	2	2									2		2																
65 - 69	White	2	1	1								1	1		1	1									1					
	Non-White																													
70 - 74	White	4	2	2		1		1				2	1	2	1															
	Non-White	1		1									1		1															
75 - 79	White	6	4	2	1		1					3	2	3	2															
	Non-White	1	1									1		1																
80 - over	White	14	6	8	2	1	2	1				4	7	4	6		1													
	Non-White	1		1								1		1																
TOTAL	White	115	86	29	5	2	5	2				81	27	54	24	27	3	3	2	1		8		6		8		1	1	
	Non-White	30	20	10	1	1	1		1			19	9	18	7	1	2						1	1	1					
GRAND TOTAL			145	106	39	6	3	6	2	1		100	36	72	31	28	5	3	2	1		8	1	7	1	8		1	1	

VEHICULAR FATALITIES

1999 VEHICULAR FATALITIES

NON-TRAFFIC ALCOHOL INCIDENCE

TABLE 38

TYPE	TOTAL	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	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M
AUTO-AUTO Passenger	1	1				1																								
AUTO ACCIDENT Passenger	1	1						1																						
AUTO-PEDESTRIAN	4	2	2	1		1	2																							
BICYCLE-PEDESTRIAN	1		1				1																							
SNOWMOBILE-FIXED OBJECT Driver	1	1				1																								
TRUCK-PEDESTRIAN	1	1						1																						
TOTAL	9	6	3	1		3	3	2																						

VEHICULAR FATALITIES

1999 VEHICULAR FATALITIES

TRAFFIC - COLLISION - ALCOHOL INCIDENCE (ALL DRIVERS)

TABLE 39A

TYPE	TOTAL	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	
		M	F	M	F	M	F	M	F	M	F	M	F	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	14	11	3	5	1	4		2	2			1	1							10	3	10	3																
AUTO - BICYCLE Bicyclist	2	2		2																2	2																		
AUTO - BUS Driver	1	1		1																1																1			
AUTO-FIXED OBJECT Driver	22	16	6	5	3	7	2	4	1			1	1							16	5	10	5	6				3						3					
AUTO - MOTORCYCLE Motorcyclist	8	8		5		2		1				1	1							7	5	2		1												1			
AUTO-TRUCK Driver	11	5	6	2		2	5	1	1											5	6	5	5		1											1			
MOTORCYCLE-FIXED OBJECT Motorcyclist	4	4		2		2														4	2	2						2											
MOTORCYCLE-MOTORCYCLE Motorcyclist	1	1						1												1	1																		
TRUCK-BICYCLE Bicyclist	1	1				1														1	1																		
TRUCK-BUGGY Driver	1	1						1				1	1																										
TRUCK-BUS Driver	1	1				1														1																	1		
TRUCK-FIXED OBJECT Driver	5	5		2		1		2												5	3	2		1													1		
TRUCK-MOTORCYCLE Motorcycle	3	3		1		2														3	3																		
TRUCK-TRUCK Driver	3	3		1		1														3	1	2															1		
TOTAL	77	62	15	26	4	23	7	12	4	1		3	1	3	1				59	14	43	13	16	1	2		1		5		2		6		1				

VEHICULAR FATALITIES

1999 VEHICULAR FATALITIES

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

TYPE	TOTAL											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	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M
PEDESTRIAN:																										
AUTO	12	9	3	4	2	3	1	2																		
MOTORCYCLE	2	2				2																				
TRUCK	7	3	4		2	2	1	1	1																	
TOTAL	21	14	7	4	4	7	2	3	1																	

VEHICULAR FATALITIES

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

TYPE	TOTAL											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	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M
PASSENGER:																										
AUTO - AUTO	9	3	6	2	2	1	3		1																	
AUTO - FIXED OBJECT	11	8	3	2		4	1	2	2																	
AUTO - TRUCK	11	7	4	2	2		2	5																		
BUS-FIXED OBJECT	1		1				1																			
TRUCK-FIXED OBJECT	1	1				1																				
TOTAL	33	19	14	6	4	6	7	7	3																	

1999 VEHICULAR FATALITIES WHILE AT WORK

TABLE 41 TRAFFIC AND NON-TRAFFIC - MONTHLY ALCOHOL INCIDENCE

MONTH	TOTAL											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
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M
NONE																												

VEHICULAR FATALITIES

TABLE 42 WEATHER CONDITIONS - ALCOHOL INCIDENCE

WEATHER	TOTAL											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											
		M	F	M	F	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	119	91	28	34	10	35	11	21	7	1		3	1	3	1			88	27	63	23	25	4	3	2	1		6		6	1	8		1	1				
CLOUDY	1	1						1										1											1										
FOG	1	1						1										1		1																			
RAIN	14	8	6	3	2	5	3		1			2		2				6	6	5	5	1	1																
SNOW	7	4	3	1		2	3	1					1			1		4	2	3	2	1							1										
UNKNOWN	3	1	2					2	1			1	1	1	1				1		1																		
TOTAL	145	106	39	38	12	42	19	25	8	1		6	3	6	2		1	100	36	72	31	28	5	3	2	1		8	1	7	1	8		1	1				

1999 VEHICULAR FATALITIES

ROAD CONDITIONS - ALCOHOL INCIDENCE

TABLE 43

ROAD	TOTAL											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	
		M	F	M	F	M	F	M	F	M	F	M	F	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	112	87	25	33	9	32	10	21	6	1		3	1	3	1				84	24	60	21	24	3	3	2	1		6		5	1	8		1				
ICE	2	2				1		1											2		2																		
SNOW	5	4	1	1		2	1	1											4	1	2	1	2						2										
WET	23	12	11	4	3	7	6	1	2			2	1	2			1		10	10	8	8	2	2						1	2					1			
UNKNOWN	3	1	2				2	1				1	1	1	1					1		1																	
TOTAL	145	106	39	38	12	42	19	25	8	1		6	3	6	2		1		100	36	72	31	28	5	3	2	1		8	1	7	1	8		1	1			

VEHICULAR FATALITIES

LIGHT CONDITIONS - ALCOHOL INCIDENCE

TABLE 44

LIGHT	TOTAL											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		
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F			
DAY	81	56	25	20	6	22	12	14	7			5	2	5	1		1		51	23	44	22	7	1	3				1		1	1	2							
DAWN	4	3	1	1		1	1	1											3	1	2	1	1									1								
DUSK	4	3	1	2		1	1					1		1					3		2		1							1										
NIGHT WITH STREET LIGHTS	44	34	10	15	6	16	4	3											34	10	19	6	15	4		2	1		5	1	3		5		1	1				
NIGHT WITHOUT STREET LIGHTS	10	9	1			2		6	1	1									9	1	5	1	4						2		1		1							
UNKNOWN	2	1	1				1	1				1		1						1		1																		
TOTAL	145	106	39	38	12	42	19	25	8	1		6	3	6	2		1		100	36	72	31	28	5	3	2	1		8	1	7	1	8		1	1				

VEHICULAR FATALITIES

1999 VEHICULAR FATALITIES

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										1				1					1																		3		3
DRIVER								5	3	1	1	2	4	3	1	2		4	4	1	5	1	6	2	1		2	2	1	1	3	4	44	15	59				
MOTORCYCLE DRIVER							1	1		6		4	1	2	2			1	1																	19		19	
PASSENGER		1			2		1	1	6	5	4	1	3	1			2		1	1		1	1					1	1		1	3	23	14	37				
PEDESTRIAN			1		1	1	1	1					1	2	3		1	1		2		1	1		1			1		3	1	2	2	17	10	27			
TOTAL		1	1		3	1	2	2	12	5	9	2	11	5	12		5	2	7		9		4	3	8	1	9	2	1	1	2	3	5	2	6	9	106	39	145

VEHICULAR FATALITIES

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			1	1					1				1							1	1	2				7	2	9	
FEBRUARY							1		1				1	1			1						1	1	1				1							5	4	9	
MARCH										1					1			1		1	2	1		1										1	1	7	3	10	
APRIL					1		1		1	2	1		1			1	1		2				1												1		9	4	13
MAY							1				2	1	1		2		1		1				1			1			1								8	3	11
JUNE								3		2		1		1		2							1		1		1						2				13		13
JULY								1				1	1	2		1	1		2		1	1	2		1						1				1	1	11	4	15
AUGUST		1					1		3				4		2			2	2				1		1	1					1				1	16	4	20	
SEPTEMBER				1						1					1				1	1								1			1	1				1	7	2	9
OCTOBER										1			1	1									2						1						1	1	5	3	8
NOVEMBER								2	1			1														2			1						2	5	4	9	
DECEMBER					1		1		2	1			3	1	1		1							1	1			1			1	1		2	1	13	6	19	
TOTAL		1	1		3	1	2	2	12	5	9	2	11	5	12		5	2	7		9		4	3	8	1	9	2	1	1	2	3	5	2	6	9	106	39	145

AUTOPSIES - 1999 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			1	1					1							1				1	1					5	3	8
FEBRUARY								1						1	1			1							1	1	1			1	1					6	3	9	
MARCH										1	1						1							1	1	1	1					1	1	6	3	9			
APRIL					1		1			1	1		1				1				3				1							1		8	3	11			
MAY									1	1	2	1	1		2		1		2						1		1							10	3	13			
JUNE							1	3		2			1		2									1	1	1					1		11	2	13				
JULY									1				2	1	2			1	1			2		1						1				9	3	12			
AUGUST		1				1			3				4	2			1		2					2	2				1			2		17	4	21			
SEPTEMBER			1								1				1				1		1							1			1				7		7		
OCTOBER											1				1				1						2				1				1		6	1	7		
NOVEMBER									1	1		1		1											2								3	3	6	9			
DECEMBER					1		1		3	1			3	1	1										1	1	2		1	1	1	1	2		17	5	22		
TOTAL		1	1		3	1	2	2	12	5	9	2	11	5	12		5	2	7		9		4	3	8	1	9	2	1	1	2	2	5	2	5	7	105	36	141

VEHICULAR FATALITIES

TABLE 48

MAJOR INJURY AND SURVIVAL INTERVAL

D.O.A. - Dead on arrival.
*Includes 19 motorcyclists.

	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				
MAJOR INJURY																													
To Brain:																													
With Fracture of Skull Only						10	5	4	1	6	1	2	2	1	2	1				1	18	2	7	6	3				
With Fracture of Skull and Body Fractures																													
Without Fracture of Skull																													
TOTAL						10	5	4	1	6	1	2	2	1	2	1				1	18	2	7	6	3				
To Spinal Cord:																													
With Fracture of Vertebra																					1					1			
TOTAL						1				1																			
To Chest																													
With Fracture of Thoracic Cage																													
Without Fracture of Thoracic Cage																													
TOTAL																													
To Extremities:																													
TOTAL										1				1	1					1	2					2			
Multiple Injuries:																													
To Head and Trunk ²		2			9	2	4	1	1	1	4	2	1	1	2		1		1	17	4	8	2	1	2				
To Head, Trunk and Extremities	1	1				52	17	18	1	8	8	23	8	6	1	5	3	20	6	9	3	2	96	32	33	2	16	13	
To Trunk						5	2	1	1	1	3	1	2				1			1	9	3	3	1		2			
To Trunk and Extremities															1			1			1			1					
TOTAL	3	1	2			66	21	23	3	9	10	30	11	9	2	5	3	24	6	10	1	3	4	123	39	44	6	17	17
Miscellaneous Injuries																													
TOTAL						1	1														1		1						
GRAND TOTAL	3	1	2			78	21	29	3	13	12	37	12	11	2	7	5	27	7	10	1	3	6	145	41	52	6	23	23

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, intoxication, drowning and traumatic asphyxia.

1999 VEHICULAR FATALITIES

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

AGE	BRAIN				SPINAL CORD			CHEST			ABDOMEN			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	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		1								1		1		
1 - 4																1	1									1	1			
5 - 9	2	1	1													2	1	1							4	2	2			
10 - 14	1				1											3	1	1	1						4	1	1	1	1	
15 - 19	1	1														16	5	4	1	5	1				17	5	5	1	5	1
20 - 24																11	4	4	1	2					11	4	4	1	2	
25 - 29																16	7	7	1		1				16	7	7	1		1
30 - 34	2	1	1													9	3	4		2	1	1			12	4	6		2	
35 - 39																7	6	1							7	6	1			
40 - 44	1				1											6	2	2		1	1				7	2	2		2	1
45 - 49	2		2													7	1	2	1	2	1				9	1	4	1	2	1
50 - 54	1				1											6	3	2			1				7	3	2		1	1
55 - 59	2	1			1											7	1	3		1	2				9	2	3		2	2
60 - 64	1		1			1										9	1	1	1	3	3				11	1	2	1	3	4
65 - 69																2	1	1							2	1	1			
70 - 74	1				1											4	1	2			1				5	1	2			2
75 - 79	2				1	1										5		2		1	2				7		2		2	3
80 - OVER	2	1	1												2	11	3	6			2				15	3	7		1	4
TOTAL	18	2	7	6	3	1				1					2	123	39	44	6	17	17	1	1		145	41	52	6	23	23

VEHICULAR FATALITIES

1999 VEHICULAR FATALITIES

MAJOR INJURY AND SURVIVAL INTERVAL - AGE GROUPS (PASSENGER)

TABLE 51

AGE	BRAIN				SPINAL CORD			CHEST			ABDOMEN			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	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		1									1		1			
1 - 4																																
5 - 9	2		1		1																						2		1		1	
10 - 14																2	1			1							2	1			1	
15 - 19																11	3	3	1	3	1						11	3	3	1	3	1
20 - 24																5	2	3									5	2	3			
25 - 29																4	3				1						4	3			1	
30 - 34																																
35 - 39																																
40 - 44	1				1											1					1					2				1	1	
45 - 49																1				1						1				1		
50 - 54																1		1								1		1				
55 - 59	1	1																								1	1					
60 - 64																1	1									1	1					
65 - 69																																
70 - 74																1		1								1		1				
75 - 79	1				1																					1					1	
80 - OVER	1	1													1	2	1	1								4	1	2			1	
TOTAL	6	1	2		2	1									1	30	11	9	2	5	3					37	12	11	2	7	5	

VEHICULAR FATALITIES

1999 VEHICULAR FATALITIES

MAJOR INJURY AND SURVIVAL INTERVAL - AGE GROUPS (BICYCLIST)

TABLE 53

AGE	BRAIN				SPINAL CORD			CHEST			ABDOMEN			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	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																																			

VEHICULAR FATALITIES

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

	AUTO														MTC ¹				TRUCK						TOTALS																									
	AUTO		BICYCLE		BUS		FIXED OBJECT		MOTORCYCLE		PEDESTRIAN		TRUCK		FIXED OBJECT		NON-COLLISION		PEDESTRIAN		TRUCK		FIXED OBJECT		PEDESTRIAN		TRUCK		OTHERS			DRIVER		PASSENGER		PEDESTRIAN														
																																						M	F	M	F	M	F	M	F	M	F	M	F	M
CITIES	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	GRAND TOTAL													
CLEVELAND																																																		
Bicyclist			2																																			2												
Driver	5	1	1				5	3					2										2															16	4	20										
Motorcyclist									5					2		1																						9		9										
Passenger	2	2					2																																6	4	10									
Pedestrian											5	2																												5	4	9								
BEREA																																																		
Driver																																									1	1	1							
BROADVIEW HEIGHTS																																																		
Driver							1																																			1	1	1						
Passenger							1									1																											2	1	3					
BROOK PARK																																																		
Driver													1																															1	1	1				
Passenger																																													1	1	1			
Motorcyclist																																														2	2	2		
BROOKLYN																																																		
Motorcyclist																																															1	1	1	
EAST CLEVELAND																																																		
Bicyclist																																																		
Driver																																																		
Passenger																																																		
EUCLID																																																		
Driver	1						1																																											
Motorcyclist																																																		
Pedestrian																																																		
FAIRVIEW PARK																																																		
Motorcyclist																																																		
GARFIELD HEIGHTS																																																		
Pedestrian																																																		
HIGHLAND HEIGHTS																																																		
Driver																																																		
INDEPENDENCE																																																		
Passenger																																																		
SUBTOTAL	8	3	3				10	5	6		6	2	5	3	4		3		2		2		3				2	2																						

1999 VEHICULAR FATALITIES

GEOGRAPHICAL LOCATION - TYPE OF ACCIDENT - CLASSIFICATION OF VICTIMS

TABLE 54 (continued)

CITIES	AUTO						MTC ¹				TRUCK			OTHERS		TOTALS			GRAND TOTAL									
	AUTO		BICYCLE		BUS		FIXED OBJECT		MOTORCYCLE		PEDESTRIAN		TRUCK		FIXED OBJECT		PEDESTRIAN			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
LAKEWOOD																												
Driver							1																					
Motorcycle																												
Passenger		1																										
Pedestrian																												
LYNDHURST																												
Driver							1																					
Passenger	1																											
MAPLE HEIGHTS																												
Driver																												
MAYFIELD HEIGHTS																												
Driver	1																											
Passenger	1																											
MIDDLEBURG HEIGHTS																												
Passenger																												
NORTH OLMSTED																												
Driver							1																					
PARMA																												
Passenger							1																					
Pedestrian																												
PEPPER PIKE																												
Driver																												
Pedestrian																												
ROCKY RIVER																												
Driver							1																					
SHAKER HEIGHTS																												
Driver																												
SOLON																												
Driver																												
Pedestrian																												
STRONGSVILLE																												
Driver																												
Passenger																												
Pedestrian																												
WARRENSVILLE HEIGHTS																												
Passenger																												
WESTLAKE																												
Driver	1																											
Passenger		1																										
Pedestrian																												
SUB TOTAL	4	3					7	1																				
TOTAL	12	6	3				17	6	6																			

VEHICULAR FATALITIES

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

VILLAGES, TOWNSHIPS AND TURNPIKE	AUTO								TRUCK						TOTALS				GRAND TOTAL
	AUTO		FIXED OBJECT		MOTORCYCLE		PEDESTRIAN		MOTORCYCLE		PEDESTRIAN		TRUCK		DRIVER		PEDESTRIAN		
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
VILLAGES:																			
CUYAHOGA HEIGHTS																			
Pedestrian											1						1		
MAYFIELD																			
Driver			1												1				
MORELAND HILLS																			
Pedestrian								1									1		
VALLEY VIEW																			
Driver	1													1					
Motorcycle					1				1						2				
TURNPIKE																			
Driver													1		1				
TOTAL	1		1		1			1	1		1		1		5		1	1	

1999 VEHICULAR FATALITIES

GEOGRAPHICAL LOCATION - TYPE OF ACCIDENT - CLASSIFICATION OF VICTIMS

TABLE 56

OUT OF COUNTY	AUTO						TRUCK			MTC	TOTALS				GRAND TOTAL											
	AUTO		FIXED OBJECT		MOTORCYCLE		NON-COLLISION		PEDESTRIAN		TRUCK		BUGGY	FIXED OBJECT		PEDESTRIAN	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
Bicyclist																										0
Driver	2	2	4	1								1	1	1	2				10	4						14
Motorecyclist					1												1		2							2
Passenger		1	2	2			2				5									9	3					12
Pedestrian	2														2	1						4	1			5
TOTAL	4	3	6	3	1		2				6	1	1	2	2	1	1		12	4	9	3	4	1		33

VEHICULAR FATALITIES

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

HOURS OF THE DAY	SUNDAY			MONDAY			TUESDAY			WEDNESDAY			THURSDAY			FRIDAY			SATURDAY			TOTALS			GRAND TOTAL																						
	TOTAL		TESTED	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																	
12 AM								1	1			1	1	1			4	4		1	1	1	1	7	1	7	1	1	8																		
1 AM								2	1	2	1	2	1			1	1	1						4	1	4	1	3	1	5																	
2 AM		1		1		1		2		2		2					1	1	1	3	3	2		6	1	6	1	5	1	7																	
3 AM	1		1		1			2	1	2	1	1	1							1	1	1		6	1	6	1	5	1	7																	
4 AM																				1	1	1		1		1		1		1																	
5 AM	1		1		1															1	1	1		2		2		2		2																	
6 AM	1		1		1												2	1	2	1				3	1	3	1	1		4																	
7 AM							1	1			1	1					2	1	2	1	1			4	1	4	1	1		5																	
8 AM							1	1						1	1	1	1							2	1	2	1			3																	
9 AM	1		1				2	2		1				1	1					1	1			6		5		1		6																	
10 AM							2	1	1	1							2	1						5	1	3	1			6																	
11 AM							1	1	1	1							1	1						3	3	3	3			6																	
TOTAL AM	4	1	4	1	3	1	9	3	8	3	2	1	8	3	8	3	4	1	4	2	1	2	2	14	2	12	2	2	8	1	8	1	5	49	11	46	11	20	3	60							
12 PM	1						1	1									1	1						3	1	2	1				4																
1 PM	1		1				1	1	1	1			1	1						1	1			4	2	4	2				6																
2 PM	1		1				1	1	1	1			1	1			1	2	1	2				3	6	3	6				9																
3 PM	1	1	1		1		1	1					1	1			2	2			2	1		6	5	6	3	1			11																
4 PM	1	1	1	1				1	1				3	3			2	1	2	1				7	4	7	4	1			11																
5 PM	1		1		1			2	2		1						3	1	3	1	1	1		7	1	7	1	3	1		8																
6 PM	1	1	1		1												1		1					2	3	1	2	1	1		5																
7 PM							1	1									1	1						2	1	2	1				3																
8 PM	2		2										1	1			1	1			4	4		8		8					8																
9 PM	1	1	1	1	1		1	1				1	1	1		1	1							6	2	6	2	2			8																
10 PM							2	2	2	2				1	1			2	1	1	1			6	3	5	3				9																
11 PM								2	2															3		3						3															
TOTAL PM	10	4	9	2	4		7	5	7	5			5	4	5	4	1	8	1	8	1	1	7	4	6	4	1	12	5	11	5	1	1	8	5	8	4	1	57	28	54	25	8	2	85		
GRAND TOTAL	14	5	13	3	7	1	16	8	15	8	2	1	13	7	13	7	5	1	12	1	12	1	4	9	5	8	5	2	26	7	23	7	3	1	16	6	16	5	5	1	106	39	100	36	28	5	145

1999 VEHICULAR FATALITIES

HOURLY - DAILY - ALCOHOL INCIDENCE (BICYCLIST)

TABLE 58

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

VEHICULAR FATALITIES

TABLE 59
HOURLY - DAILY - ALCOHOL INCIDENCE (DRIVER)

HOURS OF THE DAY	SUNDAY			MONDAY			TUESDAY			WEDNESDAY			THURSDAY			FRIDAY			SATURDAY			TOTALS			GRAND TOTAL															
	TOTAL		TESTED	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											
12 AM												1	1	1										3	3	1		3												
1 AM									1	1	1													1	1	1		1												
2 AM																1	1	1		2	2	1		3	3	2		3												
3 AM					1	1	1	1	1			1	1	1										2	1	2	1	1	1	3										
4 AM																																								
5 AM	1																			1	1	1		2	2	2		2												
6 AM	1																			2	2			3	3	1		3												
7 AM																2	2	1						2	2	1		2												
8 AM					1	1									1	1								1	1	1	1		2											
9 AM					1	1						1	1							1	1			3	3			3												
10 AM					1	1			1	1						1	1							2	1	2	1		3											
11 AM					1	1				2	2													3	3			3												
TOTAL AM	2		2		3	3	3	3	1	2	2	2	2	1	3	3	2		1	1			80	8	2	4	4	2	22	6	22	6	9	1	28					
12 PM					1	1																			1	1			1											
1 PM					1	1				1	1		1	1											1	2	1	2		3										
2 PM					1	1				1	1			1	1					1	1				1	3	1	3		4										
3 PM	1	1	1		1	1						1	1			1	1				1	1		4	3	4	2	1		7										
4 PM												1	1			1	1	1						2	1	2	1	1		3										
5 PM									1	1	1					1	1	1						2	2	2			2											
6 PM														1											1					1										
7 PM																																								
8 PM	1		1																	2	2				3	3				3										
9 PM									1	1					1	1					1	1			3	3				3										
10 PM					1	1										2	1								3	2				3										
11 PM									1	1															1	1				1										
TOTAL PM	2	1	2		4	1	4	1		3	2	3	2	1	3	1	3	1		3	2	2	2	1	5	4	1	2	2	2	2	2	2	2	21	9	19	8	4	31
GRAND TOTAL	4	1	4		7	4	7	4	1	5	4	5	4	2	6	1	6	1	2	3	3	2	3	1	13	12	3	6	2	6	2	2	44	15	42	14	13	1	59	

1999 VEHICULAR FATALITIES

HOURLY - DAILY - ALCOHOL INCIDENCE (DRIVER-MOTORCYCLIST)

TABLE 59A

HOURS OF THE DAY	SUNDAY			MONDAY			TUESDAY			WEDNESDAY			THURSDAY			FRIDAY			SATURDAY			TOTALS			GRAND TOTAL		
	TOTAL		TESTED	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			
12 AM																											
1 AM													1	1	1							1	1	1	1		
2 AM																											
3 AM																											
4 AM																		1	1	1		1	1	1	1		
5 AM																											
6 AM																											
7 AM																											
8 AM																											
9 AM																											
10 AM																											
11 AM								1	1													1	1	1			
TOTAL AM								1	1					1	1	1				1	1	1	3	3	2	3	
12 PM	1																					1			1		
1 PM	1		1																1	1		2	2		2		
2 PM	1		1																			1	1		1		
3 PM																											
4 PM															2	2						2	2		2		
5 PM	1		1	1											1	1			1	1		3	3	1	3		
6 PM																											
7 PM																			1	1		1	1		1		
8 PM	1		1							1	1								1	1		3	3		3		
9 PM	1		1	1			1	1														2	2	1	2		
10 PM										1	1											1	1		1		
11 PM																											
TOTAL PM	6		5	2			1	1					2	2				3	3		4	4		16	15	2	16
GRAND TOTAL	6		5	2			1	1				2	2				3	3		5	5	1	19	18	4	19	

VEHICULAR FATALITIES

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																		
	M	F	M	F	M	F	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							2		2			1		1			3	1	3	1			4									
1 AM								1	1	1	1	1	1														1	1	1	1	1	1	2									
2 AM																																										
3 AM	1				1		1						1		1		1										3		3		3		3									
4 AM																																										
5 AM																																										
6 AM																																										
7 AM										1		1																1		1			1									
8 AM																																										
9 AM	1				1		1																				2		2		1		2									
10 AM																	1										1						1									
11 AM					1		1																			1		1					1									
TOTAL AM	2				2		1			3	1	3	1	1	1	1					3		2			1	1		12	2	11	2	5	1	14							
12 PM																						1		1				1		1			1									
1 PM																																										
2 PM						1		1							1	1	1	1			1		1				1	3	1	3			4									
3 PM																1		1				1					2		1				2									
4 PM			1		1						1		1				1		1								3		3				3									
5 PM										1		1					1		1							2		2					2									
6 PM	1			1		1																				1		1		1			1									
7 PM																	1		1							1		1					1									
8 PM																					1		1				1		1				1									
9 PM			1		1								1		1		1									1	1	1	1	1			2									
10 PM					1	1	1	1							1		1									2	2	2	2				4									
11 PM										1		1										1		1			2		2				2									
TOTAL PM	1	2	1	2	1			2	1	2	1			1	1	1				2	2	2	2		2	3	2	3		2	2	2	1	11	12	11	11	2	23			
GRAND TOTAL	3	2	3	2	2			4	2	4	2	2		5	2	5	2	1	1	2		2	2	2		5	3	4	3		2	3	2	2		23	14	22	13	7	1	37

1999 VEHICULAR FATALITIES

HOURLY - DAILY - ALCOHOL INCIDENCE (PEDESTRIAN)

TABLE 61

HOURS OF THE DAY	SUNDAY			MONDAY			TUESDAY			WEDNESDAY			THURSDAY			FRIDAY			SATURDAY			TOTALS			GRAND TOTAL											
	TOTAL		TESTED	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												
12 AM																			1	1			1	1			1									
1 AM																											1									
2 AM			1		1																1	1	1			3	1	3	1	3	1	4				
3 AM																					1	1	1			1	1			1		1				
4 AM																																				
5 AM																																				
6 AM																																		1		
7 AM								1		1																								2		
8 AM																																				
9 AM																																			1	
10 AM								2		1																									2	
11 AM																																			1	
TOTAL AM			1		1			1	3	2																									14	
12 PM																																				
1 PM																																				1
2 PM																																				
3 PM																																				1
4 PM			1		1																															3
5 PM																																				1
6 PM																																				3
7 PM																																				1
8 PM																																				1
9 PM																																				1
10 PM																																				1
11 PM																																				
TOTAL PM			1	1	1				1	2	1	2																								13
GRAND TOTAL			1	2	1	1		1	4	2	3	2																								27

VEHICULAR FATALITIES

TABLE 62 HOURLY AND DAILY INCIDENCE ARRANGED ACCORDING TO DRIVER, PASSENGER AND 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														
	M	F	M	F	M	F	M	F	M	F	M	F	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					2	2			1	1	3	3	1	1					8													
1 AM							1	1	1					1									2	1	1	1					5													
2 AM					1						2						1			2		1	3			3	1			7														
3 AM			1				1	1	1				1		1							1	2	1	3	1				7														
4 AM																				1			1							1														
5 AM	1																			1			2							2														
6 AM	1																2				1		3				1			4														
7 AM									1		1						2				1		2		1	1	1	1		5														
8 AM						1								1	1							2	1							3														
9 AM			1			1		1					1							1	1		3		2	1				6														
10 AM						1		2		1							1	1				2	1	1	2					6														
11 AM						1	1			1	2								1			1	3	1	1					6														
TOTAL AM	2		2			1	3	3	3	3	2	3	1	2	3	1			2	1			8	3	3	2	5		1	3	26	6	12	2	11	3	60							
12 PM	1						1												1			3			1					4														
1 PM	1						1		1					1						1			3	2			1			6														
2 PM	1						1		1					1		1	1	1			1		2	3	1	3				9														
3 PM	1	1					1							1	1		1			1	1		5	3		2	1			11														
4 PM				1	1							1			2		1				1		4	1		3	3			11														
5 PM	1								1		1						2		1		1	1	5		2			1		8														
6 PM			1			1											1				1		1	1				3		5														
7 PM									1										1		1		1				1			3														
8 PM	2													1						1	3	1	6		1	1			8															
9 PM	1			1					1				1				1						5		1	1		1		8														
10 PM						1		1	1					1				1				2		2	2		1			9														
11 PM									1		1										1		1							3														
TOTAL PM	8	1	1	2	1	1	5	1	1	2	1	2	3	2	2	1	1	5	1	1	2	8	2	3	2	2	6	2	2	2	1	40	9	11	12	6	7	85						
GRAND TOTAL	10	1	3	2	1	2	8	4	4	2	4	2	6	4	5	2	2	1	8	1	2	2	7	3	2	2	16	5	3	5	4	11	2	2	3	3	1	66	15	23	14	17	10	145

1999 VEHICULAR FATALITIES

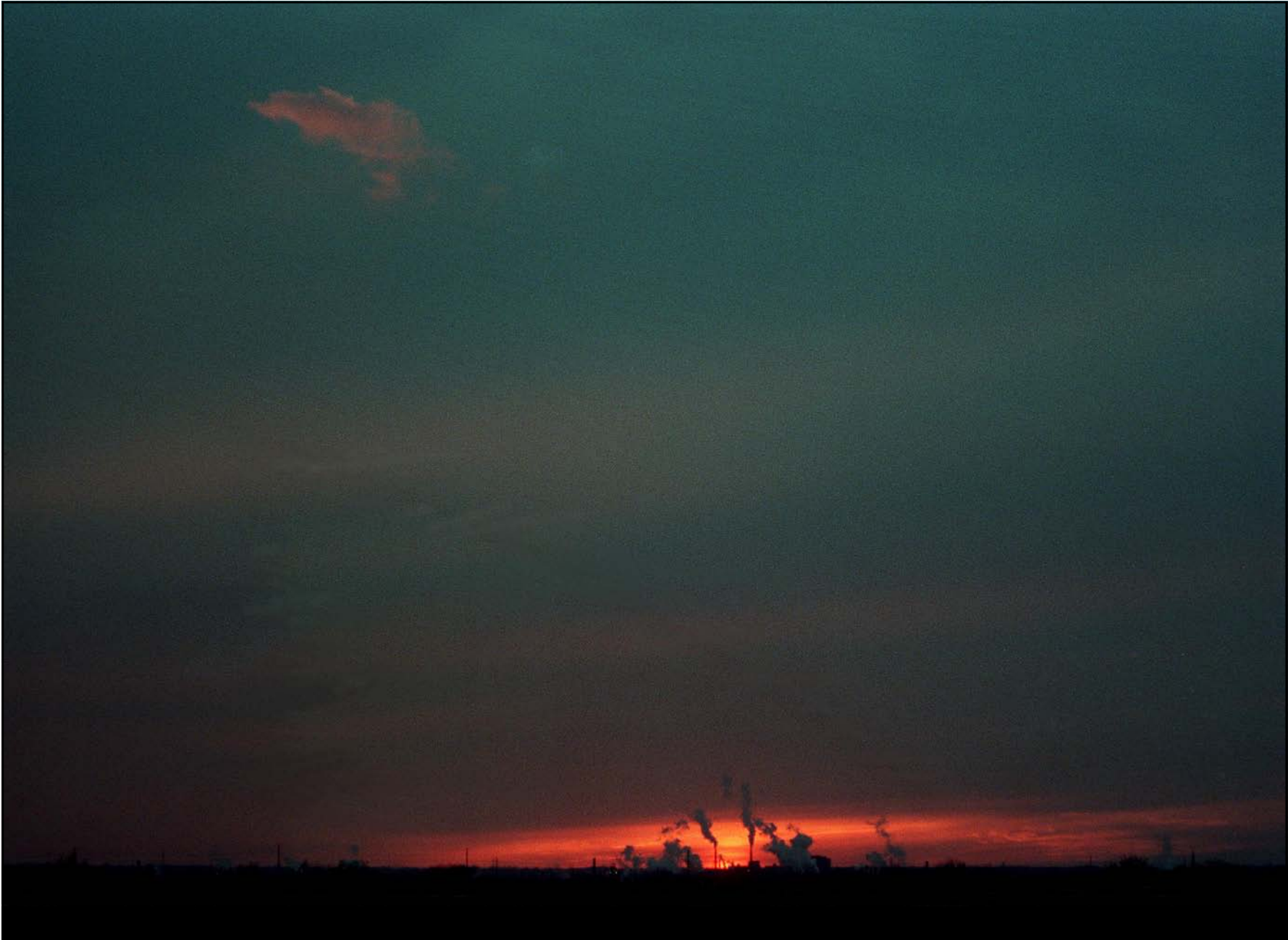
HOURLY AND DAILY INCIDENCE ARRANGED ACCORDING TO PRE-SCHOOL, SCHOOL AND AGE GROUPS

TABLE 63

HOURS OF THE DAY	SUNDAY			MONDAY			TUESDAY			WEDNESDAY			THURSDAY			FRIDAY			SATURDAY			TOTALS			GRAND TOTAL																		
	PRE-SCHOOL		SCHOOL	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										
12 AM									1								3	1			1	1			4	1	3		8														
1 AM										2	1					1											4	1		5													
2 AM										2												3					6	1		7													
3 AM											1											1					6	1		7													
4 AM																						1					1			1													
5 AM																						1					2			2													
6 AM																						1					3	1		4													
7 AM											1						1	1							1		3	1		5													
8 AM															1	1									1		2	1		3													
9 AM																									1		5			6													
10 AM																								1		4	1		6														
11 AM																									1		2	3		6													
TOTAL AM			1	3	1	1	1	7	3		1	7	3			4		2	1		4	10	2		1	8	7	1	41	10	60												
12 PM																											1	3		4													
1 PM																												4	2		6												
2 PM																											1	1	2	5	9												
3 PM																											1	1	5	4	11												
4 PM																											1	1	6	3	11												
5 PM																											1	6	1		8												
6 PM																												2	3		5												
7 PM																												1	1	1	3												
8 PM																												1	7		8												
9 PM																												1	6	1	8												
10 PM																												1	2	5	1	9											
11 PM																													2		3												
TOTAL PM			1	1	1	9	2						5	4		1	7	1								1	8	7	49	20	85												
GRAND TOTAL			1	2	1	12	3	1	1	3	14	5		1	12	7		1	11	1						9	5	8	1	18	6		2	3	14	3	1	1	15	8	90	30	145

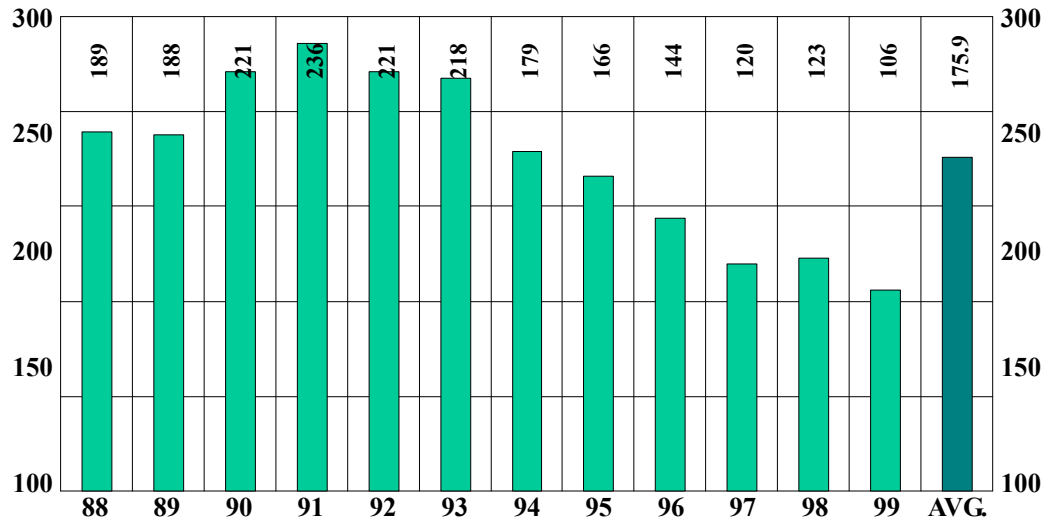
NOTE: PRE-SCHOOL - Under 5 years, SCHOOL - 5 to 18 years, ADULT - 19 years and older.

VEHICULAR FATALITIES



HOMICIDES

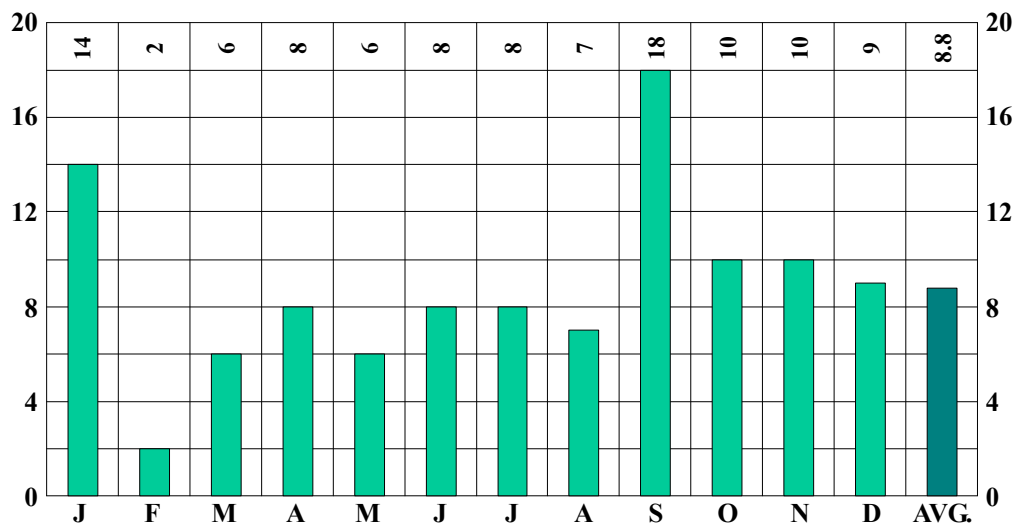
FOR A PERIOD OF TWELVE YEARS



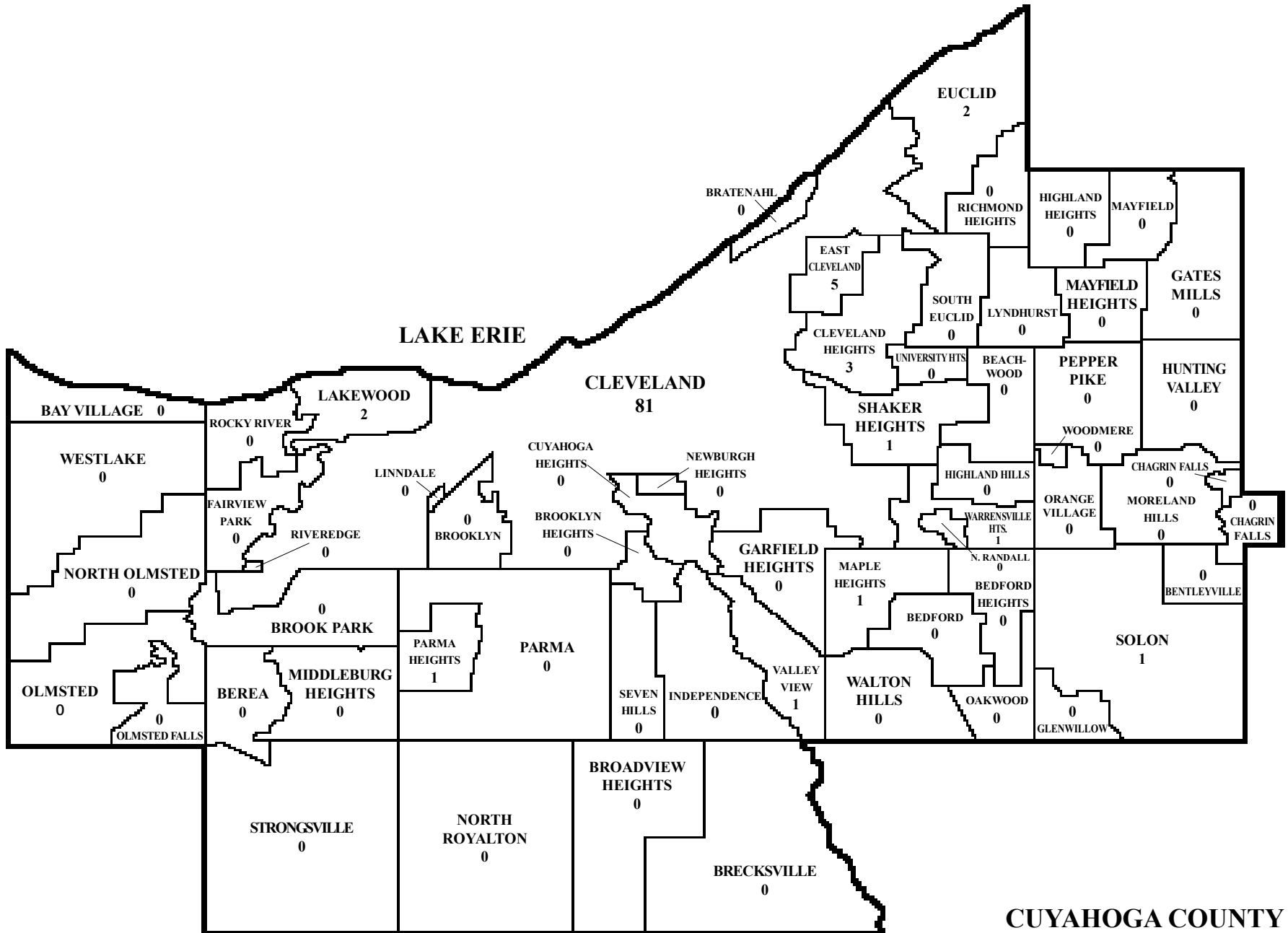
		NUMBER	PERCENT
SEX	MALE	76	72
	FEMALE	30	28
RACE	WHITE	30	28
	NON-WHITE	76	72
ALCOHOL	TESTED	106	100
	POSITIVE	34	32
AUTOPSY	AUTOPSIED	106	100

HOMICIDES

BY MONTH FOR THE YEAR 1999



1999
TOTAL CASES
106



HOMICIDES

1999 HOMICIDES

MONTHLY ALCOHOL INCIDENCE

TABLE 64

MONTH	TOTAL	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	
		M	F	M	F	M	F	M	F	M	F	M	F	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	14	10	4	8	1	2	2		1									10	4	8	3	2	1			1		1			1						
FEBRUARY	2	1	1	1	1													1	1	1	1																
MARCH	6	3	3	2	1	1	2											3	3	3	3																
APRIL	8	5	3	4	2	1	1											5	3	5	3																
MAY	6	4	2	3	1			1	1									4	2	2	2	2		1					1								
JUNE	8	4	4	4	3		1											4	4	1	4	3		2										1			
JULY	8	7	1	6	1	1												7	1	2		5	1	1		1		1		1		1		1			
AUGUST	7	4	3	3	3			1										4	3	3	2	1	1								1						
SEPTEMBER	18	17	1	15	1	1		1										17	1	10	1	7		1		2		2			1					1	
OCTOBER	10	7	3	5	2	2	1											7	3	5	1	2	2	1				2					1				
NOVEMBER	10	7	3	5	3	2												7	3	4	3	3		1			1		1								
DECEMBER	9	7	2	5	1	1		1	1									7	2	3	2	4		1		2					1						
TOTAL	106	76	30	61	20	11	7	4	3								76	30	47	25	29	5	8		6		6	3	3	1	2	1	3		1		

HOMICIDES

TABLE 65

AGE - RACE - ALCOHOL INCIDENCE

AGE	RACE	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
Under 1 Year	White	2		2								2	2													
	Non-White																									
1 - 4	White	1		1								1	1													
	Non-White	2		2								2	2													
5 - 9	White																									
	Non-White																									
10 - 14	White																									
	Non-White	1		1								1	1													
15 - 19	White	1	1									1	1													
	Non-White	14	13	1								13	11	1	2	1	1									
20 - 24	White	7	3	4								3	4	1	3	2	1			1		1	1			
	Non-White	13	11	2								11	2	8	2	3		2	1							
25 - 29	White	2	2									2	1	1					1							
	Non-White	13	10	3								10	3	8	2	2	1		1	1						
30 - 34	White	2	2									2		2				2								
	Non-White	9	6	3								6	3	2	2	4	1	2	1		1	1				
35 - 39	White	2	2									2	1	1					1							
	Non-White	6	5	1								5	1	3	1	2			1				1			
40 - 44	White	1	1									1		1				1								
	Non-White	4	3	1								3	1	1	1	2	2	1								
45 - 49	White	1	1									1		1										1		
	Non-White	6	5	1								5	1	4	1	1			1							
50 - 54	White																									
	Non-White	1	1									1		1			1									
55 - 59	White	4	3	1								3	1	1	2	1		1				1	1			
	Non-White	2	2									2	1	1					1							
60 - 64	White																									
	Non-White	1	1									1	1													
65 - 69	White																									
	Non-White	1	1									1		1										1		
70 - 74	White	2	1	1								1	1	1	1											
	Non-White																									
75 - 79	White	4	3	1								3	1	2	1	1				1						
	Non-White	36	1	2								1	2	1	2											
80 - over	White	1		1								1	1													
	Non-White																									
TOTAL	White	30	17	13								17	13	7	10	10	3		2	2	2	2		2	1	2
	Non-White	76	59	17								59	17	40	15	19	2	8	4	4	1	1	1		1	1
GRAND TOTAL		106	76	30								76	30	47	25	29	5	8	6	6	3	3	1	2	1	3

HOMICIDES

1999 HOMICIDES

MODE - ALCOHOL INCIDENCE

TABLE 66

MODE	TOTAL	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																		
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F																
ASSAULT	20	6	14	3	8	2	3	1	3									6	14	2	13	4	1					1								1							
CARBON MONOXIDE	2		2		2														2		2																						
SHOOTING	72	62	10	52	6	7	4	3										62	10	40	8	22	2	8		5		5	1	2	1	2											
STABBING	7	6	1	5	1	1												6	1	4	1	2				1																	
STRANGULATION	4	1	3		3	1												1	3		1	1	2					1	2														
OTHERS*	1	1		1														1		1																							
TOTAL	106	76	30	61	20	11	7	4	3									76	30	47	25	29	5	8		6		6	3	3	1	2	1	3		1							

*Stress during physical altercation

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				
ASSAULT		2								1	1		1				2		1	3	1				1										1	6	14	20		
CARBON MONOXIDE																																					2	2	2	
SHOOTING								1	14	1	13	3	11	1	7	3	4		4		2		1		3		1										62	10	72	
STABBING											1	1		1		1								2														6	1	7
STRANGULATION											1		1				1				1																	1	3	4
OTHER																																						1	1	1
TOTAL		2						1	14	1	14	6	12	3	8	3	5	3	4	1	6	1	1		5	1	1		1		1	1	1	4	3		1	76	30	106

HOMICIDES

1999 HOMICIDES (JUSTIFIABLE - DURING LEGAL INTERVENTION)

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

ASSAILANTS	TOTAL	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
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M
HOME CIRCUMSTANCES:																														
During or following an argument																														
<i>Police</i>	1	1					1																							
During or following the commission or attempted commission of a felony																														
<i>Police</i>	0																													
PUBLIC CIRCUMSTANCES:																														
During or following the commission or attempted commission of a felony																														
<i>Police</i>	2	2	2																											
TOTAL	3	3	2				1																							

HOMICIDES

1999 HOMICIDES (NON-JUSTIFIABLE)

PLACE OF OCCURRENCE - CIRCUMSTANCES - ASSAILANTS / VICTIMS - ALCOHOL INCIDENCE TABLE 69

ASSAILANTS	TOTAL	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				
		M	F	M	F	M	F	M	F	M	F	M	F	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																																								
<i>Acquaintance</i>	19	13	6	12	3	1	2		1																															
Relative																																								
<i>Brother</i>	1	1		1																																				
<i>Brother-in-law</i>	1	1		1																																				
<i>Father</i>	2	1	1	1				1																																
<i>Mother</i>	2			2		2																																		
<i>Parents</i>	1			1																																				
<i>Son</i>	1	1						1																																
<i>Spouse</i>	5			5		3		1		1																														
During or following the commission or attempted commission of a felony																																								
<i>Acquaintance</i>	3	2	1	1	1	1																																		
<i>Stranger</i>	2	1	1	1	1	1																																		
<i>Unknown</i>	1			1		1																																		
Unknown Home Circumstances																																								
<i>Acquaintance</i>	2	1	1			1			1																															
<i>Unknown</i>	2	2		2																																				
Other Home Circumstances																																								
<i>Acquaintance</i>	2	1	1			1			1																															
TOTAL	44	24	20	19	13	3	4	2	3																															

HOMICIDES

1999 HOMICIDES (NON-JUSTIFIABLE)

TABLE 69A PLACE OF OCCURRENCE - CIRCUMSTANCES - ASSAILANTS / VICTIMS - ALCOHOL INCIDENCE

ASSAILANTS	TOTAL	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	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M
<u>PUBLIC CIRCUMSTANCES:</u>																												
During or following an argument																												
<i>Acquaintance</i>	19	15	4	12	2	3	2																					
<i>Relative</i>																												
<i>Cousin</i>	1		1		1																							
<i>Spouse</i>	1		1				1																					
<i>Stranger</i>	2	2		2																								
<i>Unknown</i>	2	2		2																								
During or following the commission or attempted commission of a felony																												
<i>Acquaintance</i>	6	6		5		1																						
<i>Stranger</i>	4	3	1	3	1																							
<i>Unknown</i>	5	5		4		1																						
Unknown Public Circumstances																												
<i>Unknown</i>	19	16	3	12	3	3		1																				
TOTAL	59	49	10	40	7	8	3	1																				

HOMICIDES

1999 HOMICIDES

HOMICIDES IN CUYAHOGA COUNTY 1975 - 1999

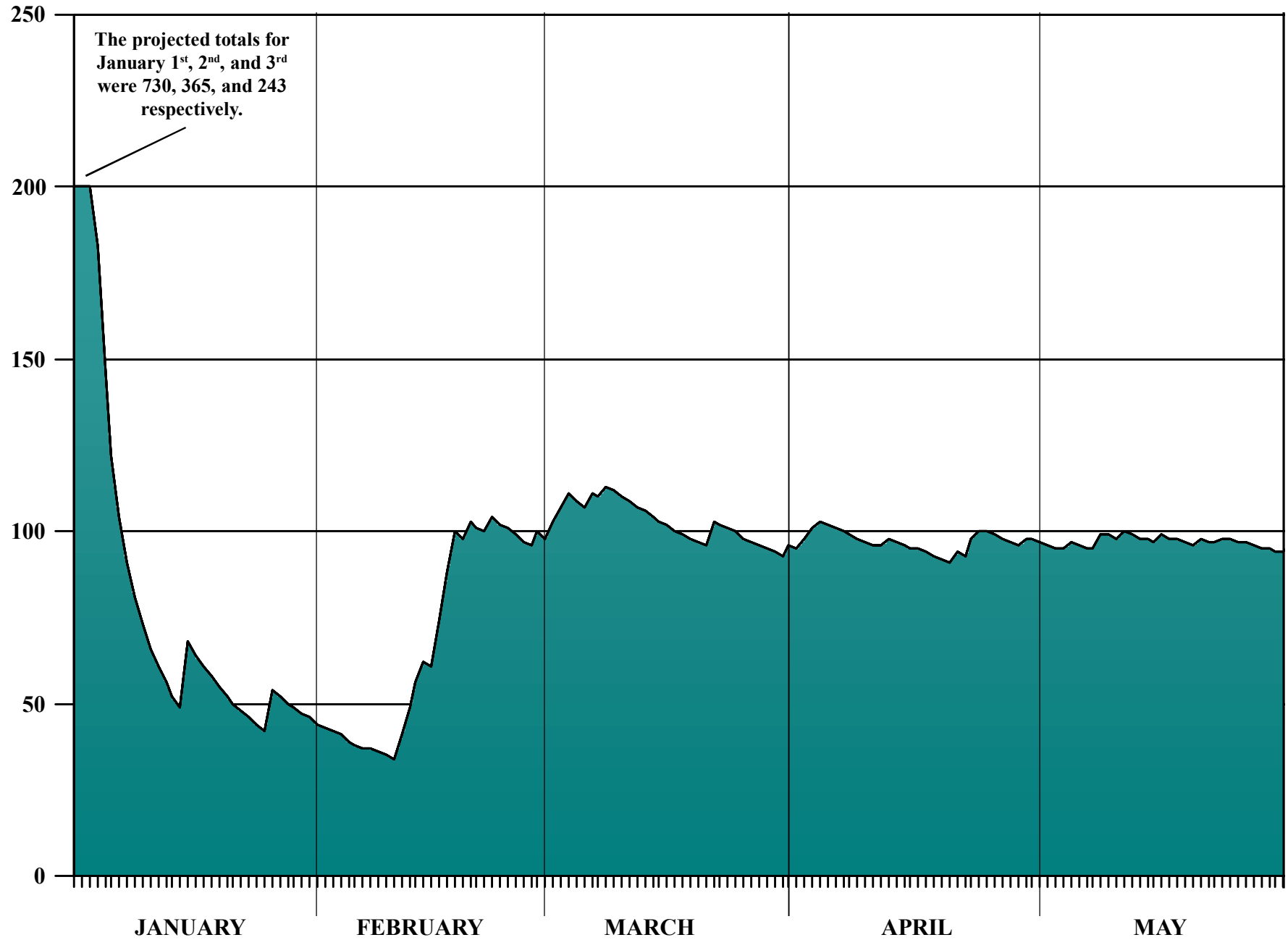
TABLE 69B

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*
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	106	57.14	24	27	13	17
1989	188	106	56.38	33	32	8	9
1990	221	147	66.52	28	28	5	13
1991	236	164	69.49	30	27	9	6
1992	221	143	64.71	34	25	4	15
1993	218	153	70.18	18	33	9	5
1994	179	135	75.42	9	15	15	5
1995	166	108	65.06	21	23	5	9
1996	144	93	64.58	22	15	5	9
1997	120	70	58.33	24	11	7	8
1998	123	76	61.71	23	7	5	12
1999	106	72	67.92	20	7	4	3

*Arson, Asphyxia by: Plastic Bag, Gag and Smothering, 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, Stress and Undetermined.

HOMICIDES

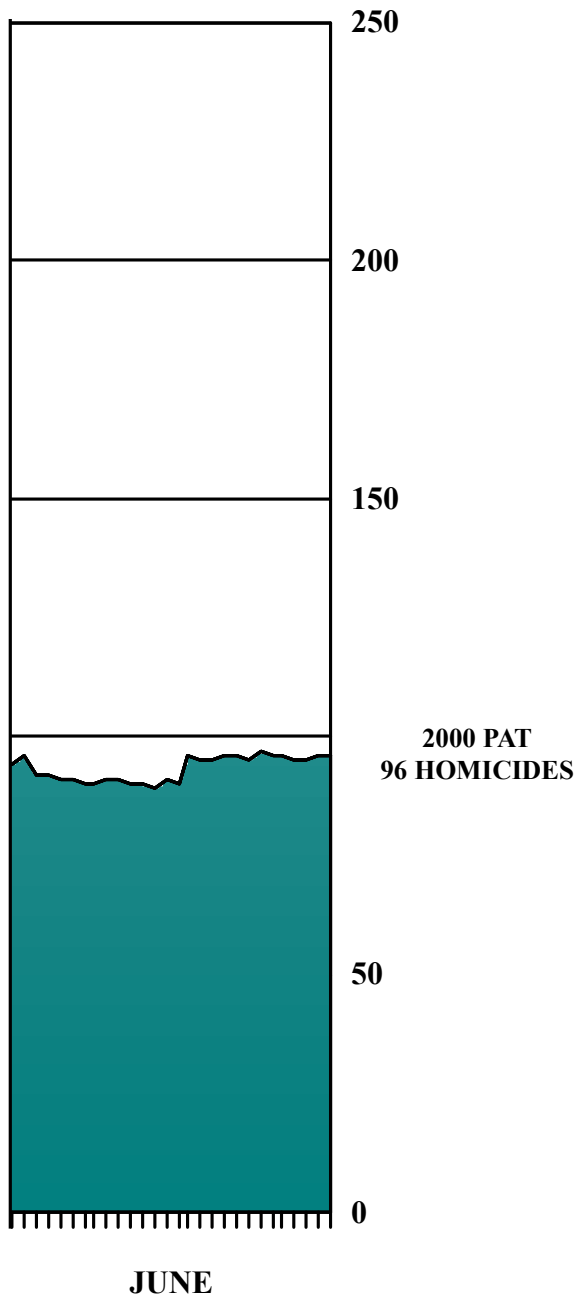
2000 MOVING PROJECTED ANNUAL HOMICIDE TOTAL



HOMICIDES

HOMICIDES

2000 MOVING PROJECTED ANNUAL HOMICIDE TOTAL (continued)



In order to establish the direction of the annual numerical trends in homicidal deaths in 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. (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 the death was pronounced, **not** necessarily the same day as when the lethal incident occurred or when the death actually took place, is used to establish D.

Thus, if ten homicide victims were to have been pronounced dead in Cuyahoga County from January 1 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 (rounded off to 101). The number of homicides that will have been pronounced dead during the entire calendar year should the same rate prevail is 101.

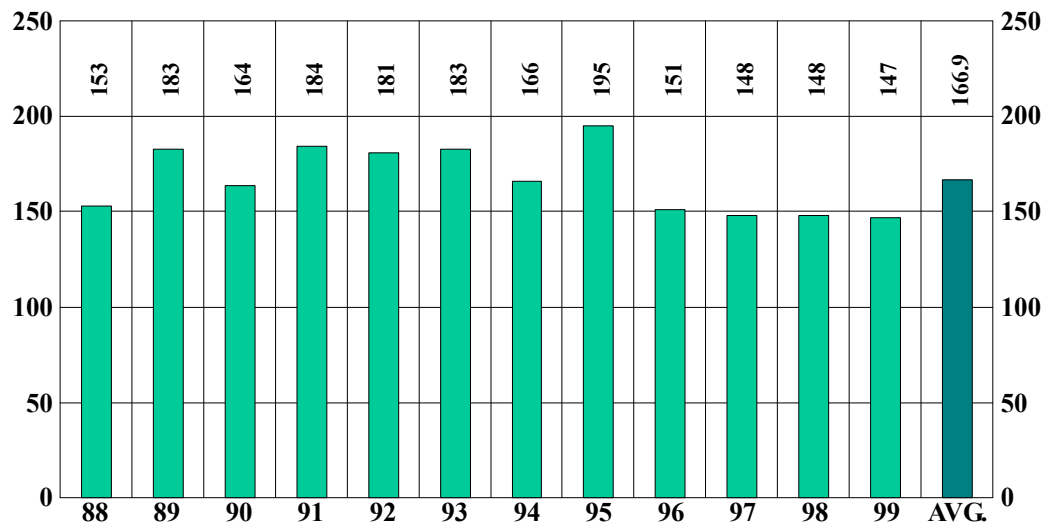
In the 1998 Coroner's Statistical Report (pp. 144 - 145), the projected annual homicide total for 1999 was plotted through June 30, 1999. The number of homicides for the entire 1999 calendar year was projected to be **91**. The actual number of homicides occurring in 1999 was **106**.

HOMICIDES



SUICIDES

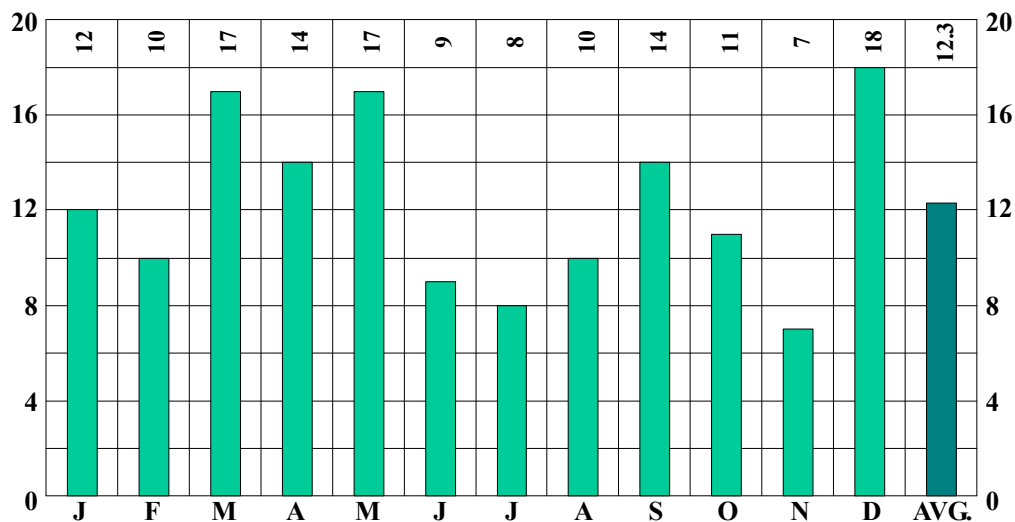
FOR A PERIOD OF TWELVE YEARS



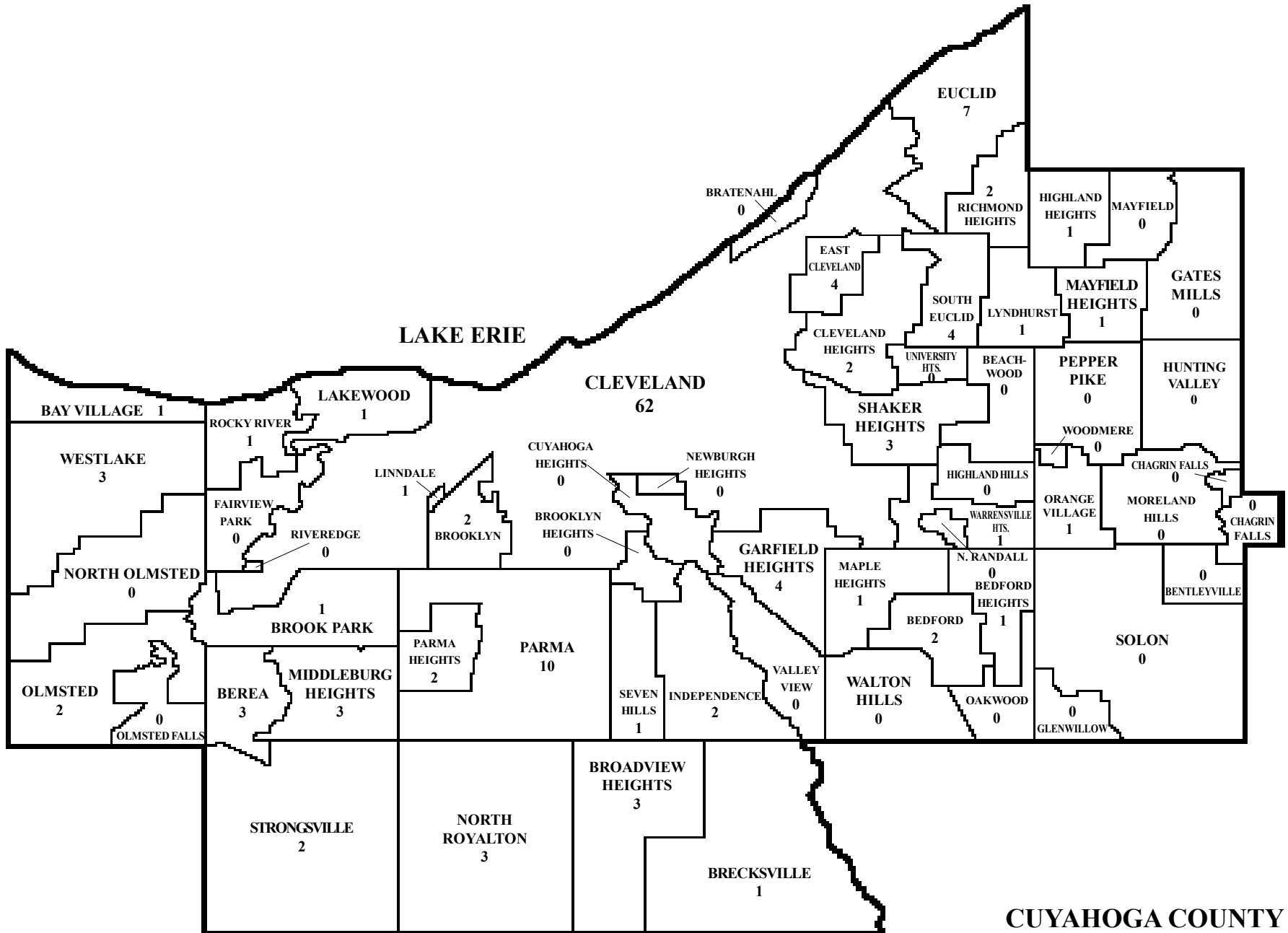
		NUMBER	PERCENT
SEX	MALE	111	76
	FEMALE	36	24
RACE	WHITE	117	80
	NON-WHITE	30	20
ALCOHOL	TESTED	144	98
	POSITIVE	38	26
AUTOPSY	AUTOPSIED	141	96

SUICIDES

BY MONTH FOR THE YEAR 1999



1999
TOTAL CASES
147



SUICIDES

TABLE 71

AGE - RACE - ALCOHOL INCIDENCE

AGE	RACE	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					
Under 1 Year	White																																
	Non-White																																
1 - 4	White																																
	Non-White																																
5 - 9	White																																
	Non-White																																
10 - 14	White																																
	Non-White																																
15 - 19	White	4	3	1											3	1	2	1	1														
	Non-White	2	1	1											1	1																	
20 - 24	White	7	6	1											6	1	5	1	1														
	Non-White	8	7	1											7	1	6	1	1														
25 - 29	White	11	8	3	1		1								7	3	4	2	3	1													
	Non-White	1	1												1	1																	
30 - 34	White	10	6	4											6	4	6	1		3													
	Non-White	5	4	1											4	1	1	1	3														
35 - 39	White	14	12	2											12	2	10	1	2	1													
	Non-White	3	2	1											2	1	1		1	1													
40 - 44	White	15	11	4		1		1							11	3	8	3	3														
	Non-White	4	3	1											3	1	2	1	1														
45 - 49	White	9	7	2											7	2	4	2	3														
	Non-White																																
50 - 54	White	11	8	3											8	3	4	2	4	1													
	Non-White																																
55 - 59	White	10	7	3											7	3	6	3	1														
	Non-White	1	1	1											1	1																	
60 - 64	White	3	3												3		2		1														
	Non-White	1	1												1				1														
65 - 69	White	5	4	1											4	1	1	1	3														
	Non-White	1	1	1											1	1	1																
70 - 74	White	3	3												3		3																
	Non-White	2	2												2		2																
75 - 79	White	6	4	2											4	2	4	2															
	Non-White	1	1												1	1																	
80 - over	White	9	6	3		1		1							6	2	6	2															
	Non-White	1	1												1	1																	
TOTAL	White	117	88	29	1	2	1	2							87	27	65	21	22	6	1		3	1	2	2	4	1	10	1	2	1	
	Non-White	30	23	7											23	7	15	5	8	2	2	1	3		2			1		1			
GRAND TOTAL		147	111	36	1	2	1	2							110	34	80	26	30	8	3	1	6	1	4	2	4	2	10	1	3	1	

SUICIDES

1999 SUICIDES

MODE - ALCOHOL INCIDENCE

TABLE 72

MODE	TOTAL	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										
		M	F	M	F	M	F	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	27	8	16	2	10	5	1	1														1		3			1	1	2		1	1							
CARBON MONOXIDE	12	8	4			8	4			1		1															1	1	1	2										
ELECTROCUTION	1	1		1																																				
JUMPING	9	6	3	6			2		1		1		1																	1										
POISONING	15	5	10	3	4	2	5		1		1		1												1				1											
RAILROAD	2	2		1		1																							1											
SHOOTING	71	61	10	23	5	35	4	3	1														2		3	1	3		2	1	5		1							
STABBING	2	1	1	1			1																1																	
TOTAL	147	111	36	51	11	56	21	4	4	1	2	1	2										110	34	80	26	30	8	3	1	6	1	4	2	4	2	10	1	3	1

SUICIDES

TABLE 73

MODE - ALCOHOL INCIDENCE

MODE	TOTAL	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		
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
<u>ASPHYXIA:</u>																																
Drowning	0																															
Hanging	33	25	8	16	2	8	5	1	1									25	8	18	6	7	2	1	2			1	1	2	1	1
Plastic Bag	2	2				2												2		1		1			1							
TOTAL	35	27	8	16	2	10	5	1	1									27	8	19	6	8	2	1	3			1	1	2	1	1
<u>CARBON MONOXIDE:</u>																																
Auto Exhaust	11	7	4			7	4			1	1							6	4	4	2	2	2					1		1	2	
Incendary Fire	1	1				1												1				1						1				
TOTAL	12	8	4			8	4			1	1							7	4	4	2	3	2					1	1	1	2	
<u>JUMPING:</u>																																
Bridge	4	4		4														4		3		1										1
Stairway	1		1					1		1	1		1																			
Window	4	2	2	2			2											2	2	2	2											
TOTAL	9	6	3	6			2	1		1	1		1					6	2	5	2	1									1	

SUICIDES

1999 SUICIDES

POISONING - ALCOHOL INCIDENCE

TABLE 74

SUICIDES

POISONING	TOTAL	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	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M
<i>Single Chemical Agent:</i>																												
Acetaminophen	1		1					1								1		1										
Carisoprodol	1		1				1			1		1																
Fluoxetine	1		1		1											1		1										
Hydrocodone	1		1				1									1		1										
Olanzapine	2	1	1	1	1										1	1	1	1										
Toilet Bowl Cleaner	1		1				1									1		1										
Tramadol	1		1				1									1		1										
<i>Combined Effect of Ethanol and:</i>																												
Cocaine, Diazepam and Olanzapine	1	1				1										1			1									
Amitriptyline, Doxepin, Fluoxetine and Chlorpheniramine	1		1				1									1			1							1		
<i>Combined Effect of Two or More Chemical Agents:</i>																												
Amitriptyline and Fluoxetine	1		1		1											1		1										
Barbiturate and Tricyclic anti-depressant	1	1		1												1		1										
Carisoprodol and Diazepam	1	1	1			1										1		1										
Phenobarbital and Phenytoin	1	1		1												1		1										
Desipramine, Imipramine, Clozapine and Venlafaxine	1		1		1											1		1										
TOTAL	15	5	10	3	4	2	5	1							1	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			
ASPHXIA									2	1	4		2	3	3	1	6		4		1	1	1	1	2				1	1			1				27	8	35
CARBON MONOXIDE										1		1			1		1	1	1	1			1				1				1		1	1			8	4	12
ELECTROCUTION										1																											1		1
JUMPING										2		2							2	1																2	6	3	9
POISONING										1	1			1	1	1	1	1	2		1		2		1			1							1	5	10	15	
RAILROAD													1						1																		2		2
SHOOTING									2	1	4	1	3		5	2	7	1	5	1	5		6		5	2	3	2	1	4		4	1	6		61	10	71	
STABBING														1										1													1	1	2
TOTAL									4	2	13	2	9	3	10	5	14	3	14	5	7	2	8	3	7	4	4		4	2	5		5	2	7	3	111	36	147

SUICIDES

1999 SUICIDES

MODE, GEOGRAPHICAL LOCATION AND MARITAL STATUS

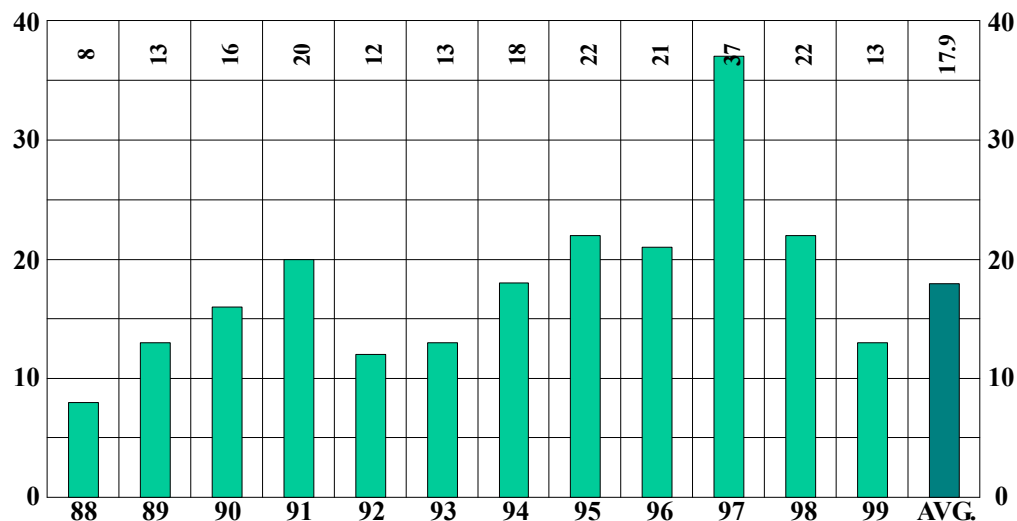
TABLE 76

MODE	CLEVELAND						COUNTY						OUT OF COUNTY						TOTAL		GRAND TOTAL																	
	MARRIED		SINGLE		WIDOWED		DIVORCED		UNKNOWN		TOTAL		MARRIED		SINGLE		WIDOWED					DIVORCED		UNKNOWN		TOTAL												
	M	F	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	1	6	1			5					16	2	2	2	6	2			2	1			10	5	1	1					1	1	27	8	35		
CARBON MONOXIDE														5	2	2	2			1														8	4	12		
ELECTROCUTION				1								1																							1		1	
JUMPING	2			4								6				2									2		1								1	6	3	9
POISONING			2	3	2							3	4	1	1	1	1	1		1		2			2	5			1						1	5	10	15
RAILROAD				1								1				1									1											2		2
SHOOTING	6	2	9	2	1		7	1				23	5	14		7	3	5	1	9				35	4	1	2		1					3	1	61	10	71
STABBING							1					1								1															1	1	2	
TOTAL	13	5	24	5	1		13	1				51	11	22	5	17	10	5	2	12	4			56	21	3	3	1	1					4	4	111	36	147

SUICIDES

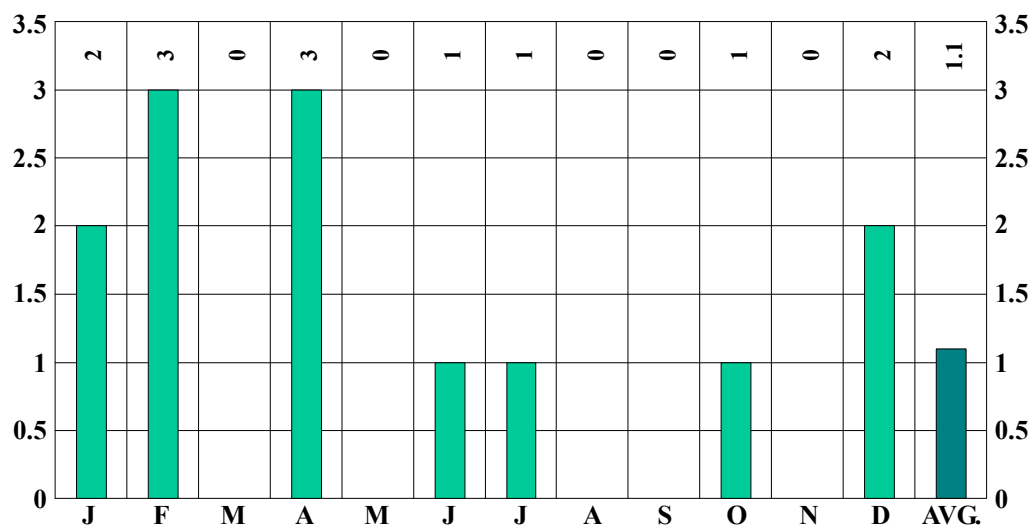


VIOLENCE OF UNDETERMINED ORIGIN FOR A PERIOD OF TWELVE YEARS



		NUMBER	PERCENT
SEX	MALE	8	62
	FEMALE	5	38
RACE	WHITE	4	31
	NON-WHITE	9	69
ALCOHOL	TESTED	9	69
	POSITIVE	2	22
AUTOPSY	AUTOPSIED	13	100

VIOLENCE OF UNDETERMINED ORIGIN BY MONTH FOR THE YEAR 1999



1999
TOTAL CASES
13

1999 FATALITIES FROM VIOLENCE OF UNDETERMINED ORIGIN

CAUSE OF DEATH - ALCOHOL INCIDENCE

TABLE 78

CAUSE OF DEATH	TOTAL					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	
		M	F	M	F	M	F	M	F	M	F	M	F	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*	1		1		1																																
SHOOTING	1	1				1										1																					
INJURY TO BODY	2	2		2															2		2																
UNDETERMINED	9	5	4	5	1		3									1	1																				
TOTAL	13	8	5	7	2	1	3									2	1																				

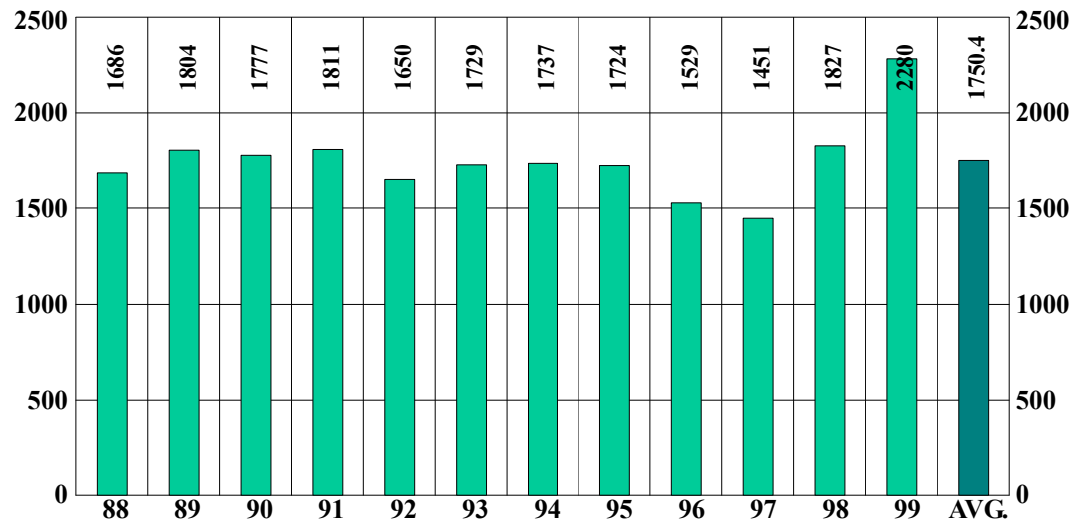
*Fluoxetine

UNDETERMINED VIOLENCE

NATURAL CAUSES

NATURAL CAUSES

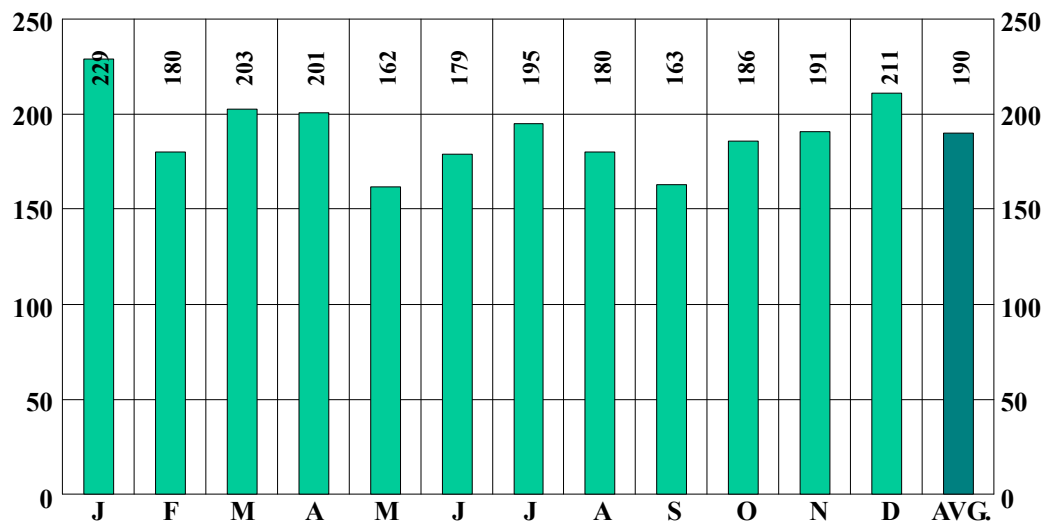
FOR A PERIOD OF TWELVE YEARS



		NUMBER	PERCENT
SEX	MALE	1308	57
	FEMALE	972	43
RACE	WHITE	1529	67
	NON-WHITE	751	33
ALCOHOL	TESTED	1991	87
	POSITIVE	158	8
AUTOPSY	AUTOPSIED	670	29

NATURAL CAUSES

BY MONTH FOR THE YEAR 1999



1999
TOTAL CASES
2,280

1999 DEATHS FROM NATURAL CAUSES

INTERNATIONAL CODE OF CAUSES OF DEATH LISTED BY MONTH

TABLE 81

CLASSIFICATION OF DISEASES BY CODE*	JAN.		FEB.		MARCH		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	1	2		1	1																9
Neoplasms	6	4	2	4	5	4	4	1	2	4	3	3	4	2	3	1	1	3	2	5	1	2	4	5	37	38	75
Allergic, Endocrine System, Metabolic and Nutritional Diseases	2		1	1		1	1		1	1	2	1	1	1	3		1	1	1	1	1		2		16	7	23
Diseases of the Blood and Blood-forming Organs																							1		1	1	
Mental, Psychoneurotic and Personality Disorders**	1	1		1			4		1		1	1					2		2	1	2	1			13	5	18
Diseases of the Nervous System and Sense Organs	2		2	1	1		2	1	1	1		1	1										1		10	4	14
Diseases of the Circulatory System	122	76	92	60	94	77	96	78	81	56	85	72	105	68	97	67	77	63	86	75	89	72	106	78	1130	842	1972
Diseases of the Respiratory System	2		3	3	8	3	2		2	3	1	1	2		1	2	1	1	2	1	3	3	2	1	29	18	47
Diseases of the Digestive System	5	2	2	1	3	1	2	1	1		2	2	3	1	1	1	1	3	2	3	2	1	2	2	26	18	44
Diseases of the Genito-urinary System	1		1	1			1	1		1			1	1			2	1			5		1		12	5	17
Deliveries and Complications of Pregnancy, Childbirth and the Puerperium								1				1					1									3	3
Diseases of the Skin and Cellular Tissue																					1		1			2	2
Diseases of the Bones and Organs of Movement			1			1				1									1						1	3	4
Congenital Malformations		1		2	2					1	1						1					2	1		5	6	11
Certain Diseases of Early Infancy	1												1	1				2	1	1			1		4	4	8
Symptoms, Senility and Ill-defined Conditions***	2				2		3	1	2	2			2	2	1	2	2		1	1	4	2	2	1	21	11	32
TOTAL	145	84	105	75	115	88	115	86	92	70	97	82	119	76	107	73	88	75	97	89	107	84	121	90	1308	972	2280

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

**In Mental, Psychoneurotic and Personality Disorders 17 were due to Alcoholism. (Alcoholism with associated physical disease totaled 7)

***Sudden Infant Death Syndrome totaled 11.

NATURAL CAUSES

1999 AUTOPSIES - DEATHS FROM NATURAL CAUSES

TABLE 82
INTERNATIONAL CODE OF CAUSES OF DEATH LISTED BY MONTH

CLASSIFICATION OF DISEASES BY CODE*	JAN.		FEB.		MARCH		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	1		1	1														4	3	7
Neoplasms	2		1	1	2		3	1			1	1	1	2	1	1		3		2		1	2		13	12	25
Allergic, Endocrine System, Metabolic and Nutritional Diseases	2			1		1	1	1	1		1		1	1	3		1	1	1	1			3		14	5	19
Diseases of the Blood and Blood-forming Organs																							1		1		1
Mental, Psychoneurotic and Personality Disorders**	1			1			3		2		1	1					1		2	1	2	1			12	4	16
Diseases of the Nervous System and Sense Organs	2						2	1	1				1										1		7	1	8
Diseases of the Circulatory System	31	18	20	10	25	17	26	16	22	14	22	17	33	14	20	16	18	15	26	21	21	20	23	21	287	199	486
Diseases of the Respiratory System	1		2	1	5	2	1		2	2	1	1	2		1	1	1	1		1		1	2	1	18	11	29
Diseases of the Digestive System	2	2		1	1			1			1	1	2	1	1		1	1	1	1	1		2		12	8	20
Diseases of the Genito-urinary System				1														1			4			1	4	3	7
Deliveries and Complications of Pregnancy, Childbirth and the Puerperium								1				1						1							3		3
Diseases of the Skin and Cellular Tissue																						1			1		1
Diseases of the Bones and Organs of Movement																				1					1		1
Congenital Malformations		1		2	2				1								1				1	1			4	5	9
Certain Diseases of Early Infancy	1											1	1					2	1	1			1		4	4	8
Symptoms, Senility and Ill-defined Conditions***	1				2		3	1	2	1			2	2	1	2	1		2	1	4	2	2	1	20	10	30
TOTAL	44	21	24	19	37	20	40	22	30	19	28	22	43	21	27	20	24	25	33	30	32	27	37	25	399	271	670

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

**In Mental, Psychoneurotic and Personality Disorders 15 were due to Alcoholism. (Alcoholism with associated physical disease totaled 5)

***Sudden Infant Death Syndrome totaled 11.

1999 DEATHS FROM NATURAL CAUSES

MONTHS AND AGE GROUPS

TABLE 83

AGE	JAN.		FEB.		MARCH		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	1	3	2	1		3	2	1		1	2	1	1	3		3		20	9	29
1 - 4			1			1											1				1	1	1		3	3	6
5 - 9					1																				1		1
10 - 14			1																		1				1	1	2
15 - 19					1		1	1									1								3	1	4
20 - 24			1	1	1		2		1								1		1						5	3	8
25 - 29	2		1	1			1		2		1	1									1	3	1	3	9	8	17
30 - 34	3	1		1	1	1	4	1		2	1		1	1	2		2	2	3	2	1	1	1		19	12	31
35 - 39	7	2	1	2	4	2	3	1	1		4	1	3	2	3		4	1	5		4	3	5	2	44	16	60
40 - 44	7	3	4	3	6	4	2	5	4	3	5		4	3	3	3	3	4	2	6	4	5	3	2	47	41	88
45 - 49	7	1	5	4	10	2	2	8	6		2	8	7	3	5	3	2	3	7	5	4	4	8	4	65	45	110
50 - 54	11	6	5	1	9	4	4	2	4	3	10	4	13	2	11	4	7	3	13	5	15	4	8	8	110	46	156
55 - 59	15	7	9	5	6	5	13	1	7	6	10	5	16	7	6	5	14	3	5	4	10	6	14	1	125	55	180
60 - 64	14	6	15	4	11	4	10	7	13	3	11	4	13	3	7	5	7	3	9	9	15	2	13	5	138	55	193
65 - 69	13	4	15	4	13	8	22	5	11	5	10	5	8	7	17	7	4	7	9	5	7	6	11	6	140	69	209
70 - 74	16	11	15	8	14	8	13	13	9	8	14	13	18	10	15	9	11	8	16	8	8	15	15	9	164	120	284
75 - 79	22	9	15	11	21	11	17	9	15	14	15	11	13	8	15	7	12	16	12	11	16	5	19	20	192	132	324
80 - over	26	33	17	30	17	38	19	32	16	24	14	30	19	28	22	30	19	22	15	32	19	28	19	29	222	356	578
TOTAL	145	84	105	75	115	88	115	86	92	70	97	82	119	76	107	73	88	75	97	89	107	84	121	90	1308	972	2280

NATURAL CAUSES

1999 AUTOPSIES - DEATHS FROM NATURAL CAUSES

TABLE 84

MONTHS AND AGE GROUPS

AGE	JAN.		FEB.		MARCH		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	1	3	2			3	2	1		1	2	1	1	3		3		19	9	28
1 - 4			1													1							1	1	3	1	4
5 - 9					1																				1		1
10 - 14																					1				1		1
15 - 19					1		1	1								1									3	1	4
20 - 24			1		1		2		1								1		1						5	2	7
25 - 29	1			1			1		1			1									1	3	1	3	5	8	13
30 - 34	2	1		1	1	1	3	1		1		1	1	2		2	2	3	2			2		16	10	26	
35 - 39	7	1	1	2	2	2	2	1	2		3	1	1	2	1	3	1	4		3	3	3	1	32	14	46	
40 - 44	5	2	2	2	4	4	2	2	3	1	4		4	2	3	2	2	2	2	4	3	4		2	34	27	61
45 - 49	5	1	3	3	8	2	1	8	4		1	5	7	2	5	2	2	2	6	5	1	2	4	3	47	35	82
50 - 54	5	4	2		4	2	3		1	3	7	1	6	2	5	1	3	1	6	3	4	2	5	5	51	24	75
55 - 59	4	2	2			3	6		5	2	1	1	8	2	1		4	2	3	1	5	3	7		46	16	62
60 - 64	4		3	1	4	1	5	3	5	1	6		1		1	3	3	1	3	1	4	1	4		43	12	55
65 - 69	3		4	3	1	2	6	1	2	1	2	1	3	2	2	3		2	1	3	1	1		2	25	21	46
70 - 74		1	1	3	4		3	3	1	2	1	4	3		3	1			4		4	2	1	18	23	41	
75 - 79	4	3	2	1	6	1	1		2	2	2	3	2	3	1	2	1	3	3	1	3	1	3	2	30	22	52
80 - over	2	5	2	2		2	2	1		4	1	5	4	3	2	6	1	6	1	4	4	2	2	5	21	45	66
TOTAL	44	21	24	19	37	20	40	22	30	19	28	22	43	21	27	20	24	25	33	30	32	27	37	25	399	271	670

1999 DEATHS FROM NATURAL CAUSES

INTERNATIONAL CODE OF CAUSES OF DEATH LISTED BY AGE GROUPS

TABLE 85

NATURAL CAUSES

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		1	1			1																	4	5	9			
Neoplasms														1	1			1	3	4	3	3	1	5	2	7	4	5	3	7	2	3	5	2	13	37	38	75			
Allergic, Endocrine System, Metabolic and Nutritional Diseases	1							1					3	1	1	2					2	2	2		1		1				1	2	1			16	7	23			
Diseases of the Blood and Blood-forming Organs																																					1	1			
Mental, Psychoneurotic and Personality Disorders**															3	1	3		3	2	1	1	1			2						1				13	5	18			
Diseases of the Nervous System and Sense Organs	1					1		1		1					4		1								1				2	1		1				10	4	14			
Diseases of the Circulatory System	1	1	1					1	4		4	2	10	6	30	11	34	31	48	30	90	40	112	50	120	46	130	60	150	113	180	119	215	333	1130	842	1972				
Diseases of the Respiratory System	1						1					2			2	1	3		4	3	6	1	2		2	1	1	3	1	2	4	3	2	2	29	18	47				
Diseases of the Digestive System													2		1	2	4		2	3	3	1	3	2	3	2	3		4	1		1	1	6	26	18	44				
Diseases of the Genito-urinary System														1	1	1			2	1		1	1	2	1	2		1			2			1	12	5	17				
Deliveries and Complications of Pregnancy, Childbirth and the Puerperium											1		1		1																						3	3			
Diseases of the Skin and Cellular Tissue																											1										2	2			
Diseases of the Bones and Organs of Movement																																					1	3	4		
Congenital Malformations	2	2	1	1	1		1		1						1						1															5	6	11			
Certain Diseases of Early Infancy	4	4																																			4	4	8		
Symptoms, Senility and Ill-defined Conditions***	10	1								1		2	2	1		1	1																				1	1	21	11	32
TOTAL	20	9	3	3	1		1	1	3	1	5	3	9	8	19	12	44	16	47	41	65	45	110	46	125	55	138	55	140	69	164	120	192	132	222	356	1308	972	2280		

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

**In Mental, Psychoneurotic and Personality Disorders 17 were due to Alcoholism. (Alcoholism with associated physical disease totaled 7.)

***Sudden Infant Death Syndrome totaled 11.

1999 AUTOPSIES - DEATHS FROM NATURAL CAUSES

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	M	F		
Infective and Parasitic Diseases		1	1										1		1	1																						4	3	7
Neoplasms														1	1				2	2	2	2		1		6		3	1	1	1	1		1		13	12	25		
Allergic, Endocrine System, Metabolic and Nutritional Diseases	1								1				2		1	1	2				1	2	2		1		1				1	1	1			14	5	19		
Diseases of the Blood and Blood-forming Organs																																						1	1	
Mental, Psychoneurotic and Personality Disorders**															3	1	3		3	1	1	1				2						1				12	4	16		
Diseases of the Nervous System and Sense Organs	1								1							3		1											2								7	1	8	
Diseases of the Circulatory System	1	1	1					1		4		2	2	9	5	21	10	25	21	35	23	36	22	41	14	30	9	24	14	14	20	26	18	17	40	287	199	486		
Diseases of the Respiratory System	1							1				2			1	1	3		4	2	4		1				2		1	1	1	2	2		18	11	29			
Diseases of the Digestive System															1		1	1		1	2	2		2	2	2	2	1		1				1	1	12	8	20		
Diseases of the Genito-urinary System																1			2			1	1			2										4	3	7		
Deliveries and Complications of Pregnancy, Childbirth and the Puerperium										1		1		1																								3	3	
Diseases of the Skin and Cellular Tissue																									1													1	1	
Diseases of the Bones and Organs of Movement																					1																	1	1	
Congenital Malformations	1	2	1					1		1						1						1															4	5	9	
Certain Diseases of Early Infancy	4	4																																				4	4	8
Symptoms, Senility and Ill-defined Conditions***	10	1									1		2	2		1	1				3	2	4													1	1	20	10	30
TOTAL	19	9	3	1	1			1	3	1	5	2	5	8	16	10	32	14	34	27	47	35	51	24	46	16	43	12	25	21	18	23	30	22	21	45	399	271	670	

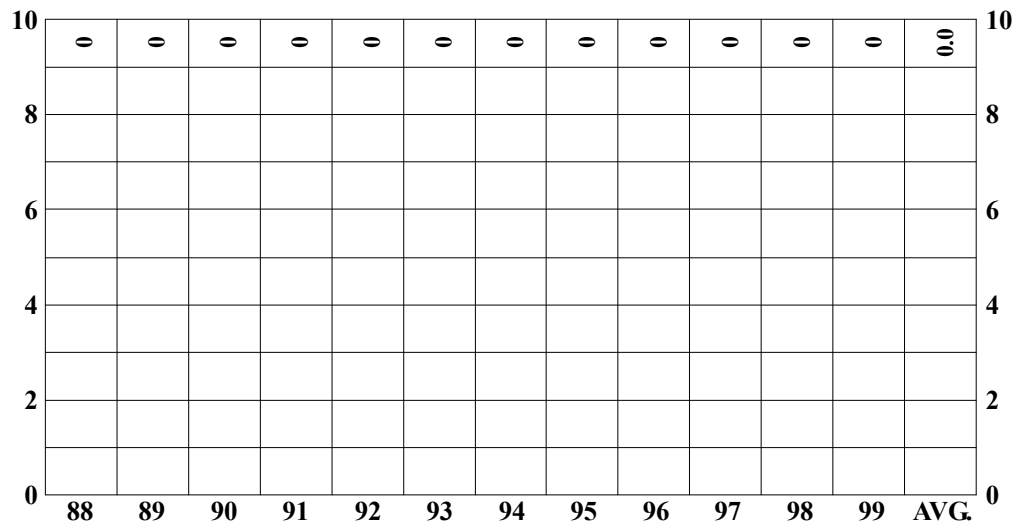
*International Classification of Diseases by World Health Organization. Ninth Revision.

**In Mental, Psychoneurotic and Personality Disorders 15 were due to Alcoholism. (Alcoholism with associated physical disease totaled 5)

***Sudden Infant Death Syndrome totaled 11.

ABORTION FATALITIES

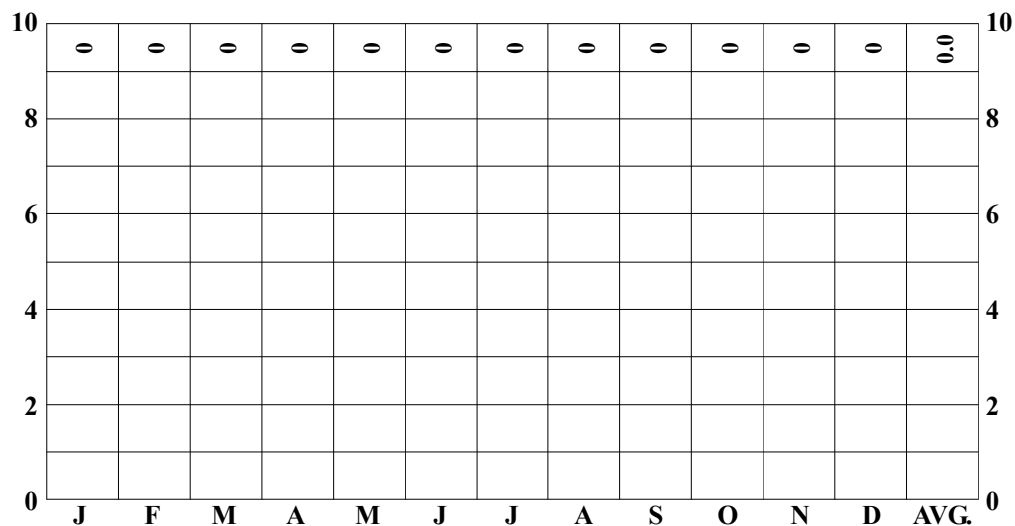
FOR A PERIOD OF TWELVE YEARS



		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

ABORTION FATALITIES

BY MONTH FOR THE YEAR 1999



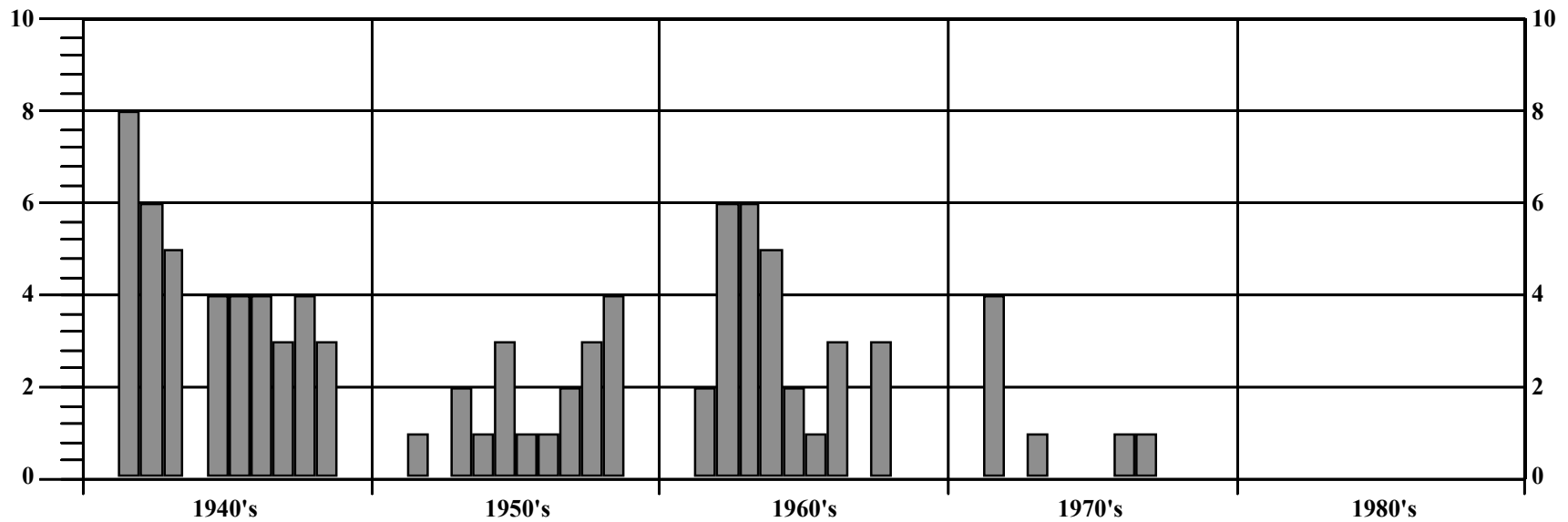
1999
TOTAL CASES
0

TABLE 87

ABORTION FATALITIES
ABORTION FATALITIES

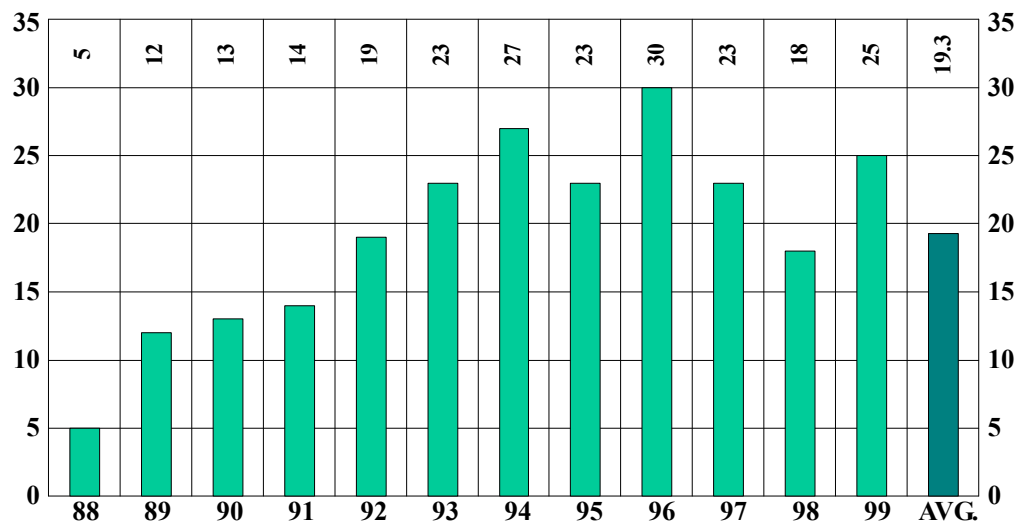
NO FATALITIES RECORDED IN THIS CATEGORY IN 1999

ABORTION FATALITIES
ABORTION FATALITIES FOR A PERIOD OF FIFTY YEARS (1940 - 1989)



NEONATAL AND INTRA-UTERINE DEATHS

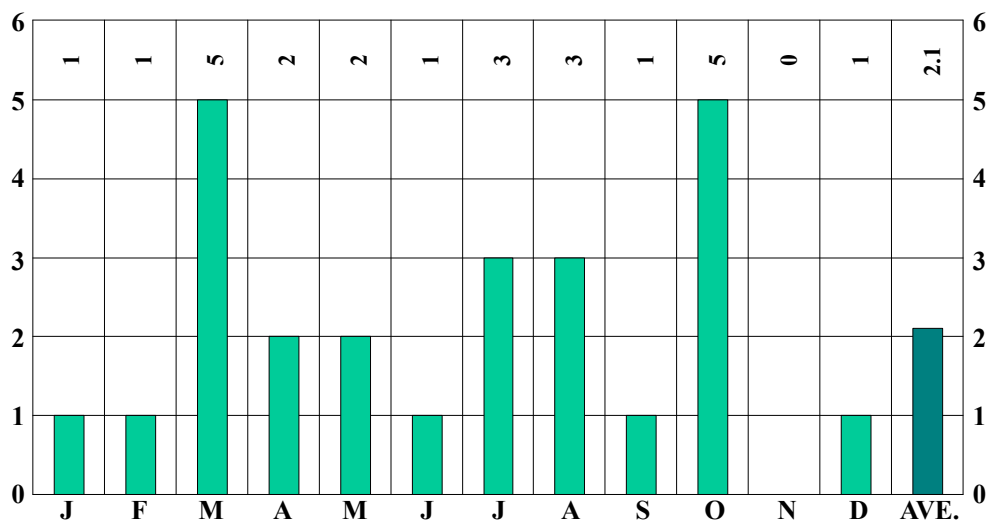
FOR A PERIOD OF TWELVE YEARS



		NUMBER	PERCENT
SEX	MALE	10	40
	FEMALE	15	60
RACE	WHITE	5	20
	NON-WHITE	20	80
ALCOHOL	TESTED	17	68
	POSITIVE	0	0
AUTOPSY	AUTOPSIED	13	52

NEONATAL AND INTRA-UTERINE DEATHS

BY MONTH FOR THE YEAR 1999



1999
TOTAL CASES
25

1999 NEONATAL AND INTRA-UTERINE DEATHS

TABLE 88

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

MONTH	GROUP I				GROUP II				GROUP III				GROUP IV				TOTAL	
	LIVE BIRTH		FOETAL DEATH		LIVE BIRTH		FOETAL DEATH		LIVE BIRTH		FOETAL DEATH		LIVE BIRTH		FOETAL DEATH		M	F
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
JANUARY												1						1
FEBRUARY									1		1							2
MARCH						1	1		1			1						2
APRIL					1			1										1
MAY						1						1						2
JUNE												1						1
JULY					1						1			1				2
AUGUST				1		1	1											1
SEPTEMBER							1	1										1
OCTOBER					1	1		2										1
NOVEMBER																		
DECEMBER								1										1
TOTAL				1	3	4	3	5	2		2	4		1			10	15

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

This category includes stillbirths (Foetal deaths) and deaths due to Natural Causes in early Neonatal period (live births).

GROUP I - Less than 20 completed weeks of gestation.

GROUP III - 28 completed weeks of gestation and over.

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

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

AUTOPSIES - 1999 NEONATAL AND INTRA-UTERINE DEATHS

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

TABLE 89

MONTH	GROUP I				GROUP II				GROUP III				GROUP IV				TOTAL	
	LIVE BIRTH		FOETAL DEATH		LIVE BIRTH		FOETAL DEATH		LIVE BIRTH		FOETAL DEATH		LIVE BIRTH		FOETAL DEATH		M	F
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
JANUARY												1						1
FEBRUARY											1						1	
MARCH						1	1		1			1					2	2
APRIL					1			1									1	1
MAY						1												1
JUNE																		
JULY					1						1						2	
AUGUST				1		1	1										1	2
SEPTEMBER							1	1									1	1
OCTOBER								1										1
NOVEMBER																		
DECEMBER																		
TOTAL				1	2	3	3	3	1		2	2					8	9

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

This category includes stillbirths (Foetal deaths) and deaths due to Natural Causes in early Neonatal period (live births).

GROUP I - Less than 20 completed weeks of gestation.

GROUP III - 28 completed weeks of gestation and over.

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

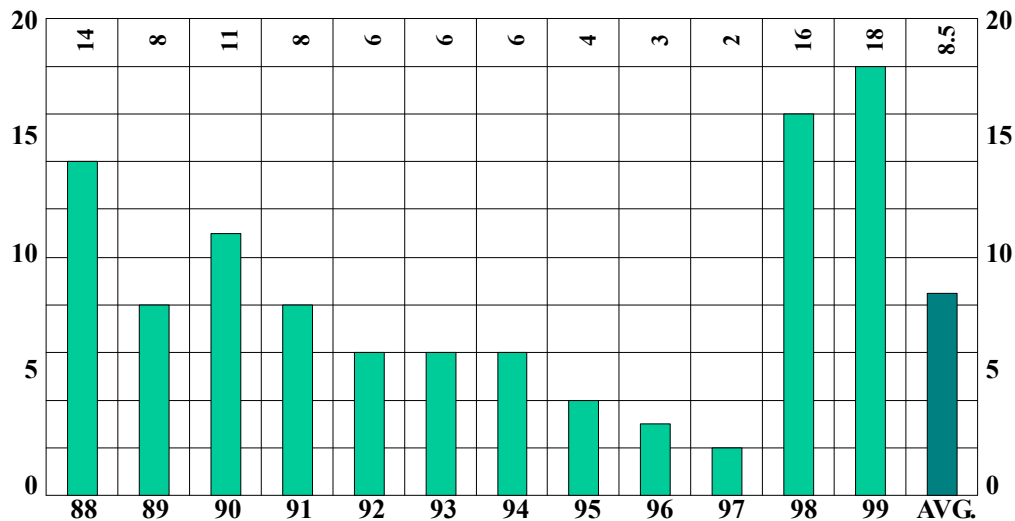
GROUP IV - Gestation period not classifiable in GROUP I, II, and III.

NEONATAL



UNDETERMINED CAUSES

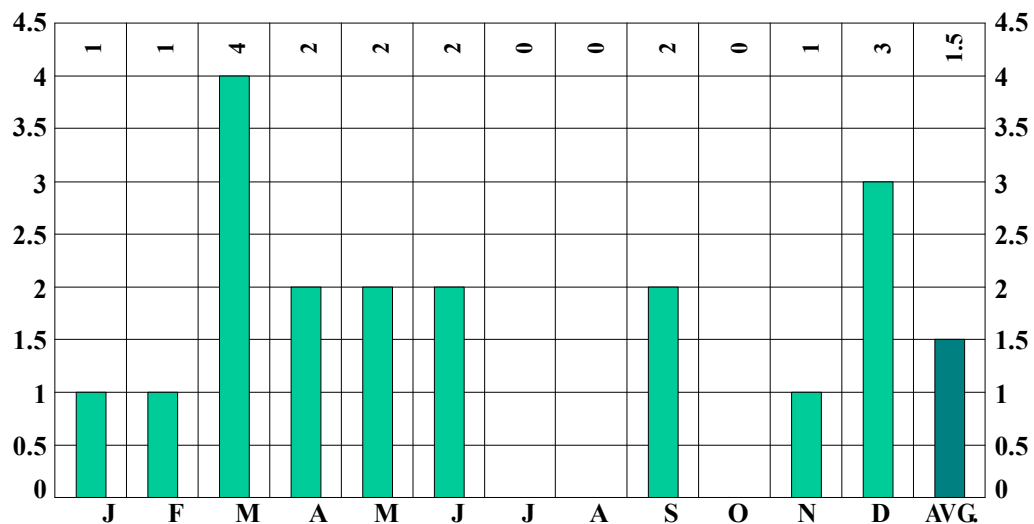
FOR A PERIOD OF TWELVE YEARS



		NUMBER	PERCENT
SEX	MALE	7	39
	FEMALE	11	61
RACE	WHITE	8	44
	NON-WHITE	10	56
ALCOHOL	TESTED	18	100
	POSITIVE	2	11
AUTOPSY	AUTOPSIED	18	100

UNDETERMINED CAUSES

BY MONTH FOR THE YEAR 1999



1999
TOTAL CASES
18

TABLE 90

DEATHS FROM UNDETERMINED CAUSES

COLOR	SEX	AGE	MARITAL STATUS	DATE OF DEATH	OCCUPATION	WHERE DEATH OCCURRED	CASE NUMBER
Black	Female	0	Single	01/08/99	Infant	Cleveland	232742
Black	Male	0	Single	02/25/99	Infant	Cleveland	233238
Black	Male	0	Single	03/14/99	Infant	Cleveland	233422
White	Male	0	Single	03/16/99	Infant	Cleveland	233449
White	Female	0	Single	03/17/00	Infant	Cleveland	233459
Black	Male	1	Single	03/23/99	Infant	East Cleveland	233519
Black	Female	42	Single	04/12/99	Maintenance	Euclid	233729
Black	Female	0	Single	04/25/99	Infant	Cleveland	233852
Black	Male	0	Single	05/08/99	Infant	Cleveland	233985
White	Male	37	Single	05/23/99	Salesman	Mayfield Hts	234103
White	Female	30	Single	06/15/99	Student	Garfield Hts	234310
Black	Female	0	Single	06/23/99	Infant	Cleveland	234383
Black	Female	0	Single	09/07/99	Infant	Warrensville Heights	235111
Black	Female	43	Married	09/10/99	Farmer	Oakwood	235137
White	Female	0	Single	11/13/99	Infant	Parma	235750
White	Male	0	Single	12/06/99	Infant	Middleburg Heights	235969
White	Female	0	Single	12/22/99	Infant	Westlake	236128
White	Female	42	Married	12/25/99	Homemaker	Euclid	236146

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

Advanced postmortem decomposition in 1 case.

Toxicology examination and alcohol determination conducted on 18 cases.

Alcohol determination resulted in 2 positive and 16 negative cases.

UNDETERMINED

1999 TOXICOLOGY LABORATORY REPORT

INCIDENCE OF POISONING (%) IN TESTED INDIVIDUALS

TABLE 91

	CUYAHOGA COUNTY CORONER'S OFFICE CASES			
	NUMBER OF DECEDENTS		NUMBER OF FATAL POISONINGS	
AUTOPSIED	1490*	(41.46%)	152	(93.25%)
NON-AUTOPSIED	2104	(58.54%)	11	(6.75%)
TOTAL	3594	(100.00%)	163	(100.00%)
NO SAMPLES**	760	(21.15%)	5	(3.07%)

*Includes 85 hospital autopsies.

**No specimens submitted for toxicological analysis.

SAMPLES RECEIVED FROM OUTSIDE REFERRING AGENCIES		
SOURCE	NUMBER	
CUYAHOGA COUNTY COURT OF COMMON PLEAS, DEPT. OF PROBATION CASES	429	(50.18%)
CASES FROM OTHER HOSPITALS AND FORENSIC AGENCIES	0	(0.00%)
DECEDENTS FROM OTHER CORONER'S JURISDICTIONS	193	(22.57%)
PROFICIENCY SURVEYS	25	(2.92%)
LAW ENFORCEMENT AGENCY CASES	208	(24.33%)
TOTAL	855	(100.00%)

TABLE 91A

INCIDENCE AND FREQUENCY OF POSITIVE FINDINGS*

							CUYAHOGA COUNTY CORONER'S LABORATORY CASES						
							POSITIVE CASES				FATAL POISONINGS		
SUBSTANCES		NUMBER POSITIVE		TOTAL CASES TESTED		% TOTAL CASES TESTED		NUMBER POSITIVE		TOTAL POISONING FATALITIES TESTED		% TOTAL POISONING FATALITIES TESTED	
Table 91a: Incidence and frequency of positive findings. (PDP-11 & toxlabpc)													
		Positive cases		Fatal Poisonings									
Acetaminophen													
Acetaminophen	19	1520	1.25%	3	156	1.92%							
Acid Neutrals													
Phenytoin													
Phenytoin	78	1579	4.94%	4	157	2.70%							
Phenobarbital													
Phenobarbital	20	1579	1.27%	3	157	2.03%							
Carbamazepine													
Carbamazepine	10	1579	0.63%	1	157	0.68%							
Ibuprofen													
Ibuprofen	5	1579	0.32%	1	157	0.68%							
Pentobarbital													
Pentobarbital	8	1579	0.51%	1	157	0.68%							
Butalbital													
Butalbital	1	1579	0.06%	0	157	0.00%							
Carisoprodol													
Carisoprodol	3	1579	0.19%	2	157	1.35%							
Chlorpropamide													
Chlorpropamide	1	1579	0.06%	0	157	0.00%							
Meprobamate													
Meprobamate	5	1579	0.32%	3	157	2.03%							
Naproxen													
Naproxen	4	1579	0.25%	1	157	0.68%							
Bases													
Lidocaine													
Lidocaine	237	1589	14.92%	24	157	15.29%							
Diphenhydramine													
Diphenhydramine	79	1589	4.97%	13	157	8.28%							
Meperidine													
Meperidine	40	1589	2.52%	6	157	3.82%							
Norpropoxyphene													
Norpropoxyphene	41	1589	2.58%	2	157	1.27%							
Amitriptyline													
Amitriptyline	17	1589	1.07%	4	157	2.55%							
Dextromethorphan													
Dextromethorphan	25	1589	1.57%	5	157	3.18%							
Nortriptyline													
Nortriptyline	19	1589	1.20%	7	157	4.46%							

TOXICOLOGY

1999 TOXICOLOGY LABORATORY REPORT

INCIDENCE AND FREQUENCY OF POSITIVE FINDINGS*

TABLE 91A (continued)

CUYAHOGA COUNTY CORONER'S LABORATORY CASES							
SUBSTANCES	POSITIVE CASES			FATAL POISONINGS			
	NUMBER POSITIVE	TOTAL CASES TESTED	% TOTAL CASES TESTED	NUMBER POSITIVE	TOTAL POISONING FATALITIES TESTED	% TOTAL POISONING FATALITIES TESTED	
Fluoxetine	17	1589	1.07%	6	157	3.82%	
Tramadol	17	1589	1.07%	3	157	1.91%	
Diltiazem	17	1589	1.07%	0	157	0.00%	
Norsertaline	21	1589	1.32%	1	157	0.64%	
Sertraline	25	1589	1.57%	1	157	0.64%	
Citalopram	17	1589	1.07%	3	157	1.91%	
Normeperidine	11	1589	0.69%	2	157	1.27%	
Hydroxyzine	2	1589	0.13%	1	157	0.64%	
Desipramine	5	1589	0.31%	3	157	1.91%	
Imipramine	4	1589	0.25%	2	157	1.27%	
Trazodone	7	1589	0.44%	1	157	0.64%	
Venlafaxine	13	1589	0.82%	4	157	2.55%	
Mirtazapine	5	1589	0.31%	0	157	0.00%	
Promethazine	3	1589	0.19%	0	157	0.00%	
Brompheniramine	4	1589	0.25%	0	157	0.00%	
Fentanyl	2	1589	0.13%	0	157	0.00%	
Amantadine	1	1589	0.06%	0	157	0.00%	
Chlorpheniramine	10	1589	0.63%	1	157	0.64%	
Propranolol	3	1589	0.19%	2	157	1.27%	
Metoprolol	7	1589	0.44%	0	157	0.00%	
Bases							
Cyclobenzaprine	6	1589	0.38%	2	157	1.27%	
Bupivacaine	1	1589	0.06%	0	157	0.00%	
Clozapine	6	1589	0.38%	1	157	0.64%	
Norvenlafaxine	6	1589	0.38%	1	157	0.64%	

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TABLE 91A (continued)

INCIDENCE AND FREQUENCY OF POSITIVE FINDINGS*

SUBSTANCES		CUYAHOGA COUNTY CORONER'S LABORATORY CASES						
		POSITIVE CASES					FATAL POISONINGS	
		NUMBER POSITIVE	TOTAL CASES TESTED	% TOTAL CASES TESTED	NUMBER POSITIVE	TOTAL POISONING FATALITIES TESTED	% TOTAL POISONING FATALITIES TESTED	
Bupropion hydrochloride	5	1589	0.31%	0	157	0.00%		
Pyrilamine	2	1589	0.06%	0	157	0.00%		
Loxapine	1	1589	0.06%	0	157	0.00%		
Fluvoxamine	1	1589	0.06%	0	157	0.00%		
Chlorpromazine	4	1589	0.25%	1	157	0.64%		
Ketamine	1	1589	0.06%	1	157	0.64%		
Doxylamine	11	1589	0.69%	2	157	1.27%		
Orphenadrine	1	1589	0.06%	0	157	0.00%		
Olanzapine	13	1589	0.82%	4	157	2.55%		
Nordoxepin	3	1589	0.19%	1	157	0.64%		
Pentazocine	1	1589	0.06%	1	157	0.64%		
Verapamil	9	1589	0.57%	1	157	0.64%		
Doxepin	6	1589	0.38%	3	157	1.91%		
Paroxetine	1	1589	0.06%	0	157	0.00%		
Propoxyphene	36	1589	2.27%	5	157	3.18%		
Methadone	3	1589	0.19%	2	157	1.27%		
Phencyclidine	14	772	1.81%	2	107	1.87%		
Quinidine	1	722	0.14%	0	96	0.00%		
Benzodiazepines								
Diethylmethyl diazepam		45	1516	2.97%	14	157	8.92%	
Diazepam		36	1516	2.37%	11	157	7.01%	
Chlordiazepoxide	2	1516	0.13%	1	157	0.64%		
Alprazolam	4	1516	0.26%	2	157	1.27%		
Temazepam	2	1516	0.13%	0	157	0.00%		
Lorazepam	8	1516	0.53%	0	157	0.00%		
Midazolam	1	1516	0.07%	0	157	0.00%		

*To compare data from year to year one must use the Toxicology Laboratory Report legends, since the analytical approach (i.e. the components of the group) changes slightly from year to year.
 **Evaluation for this group or agent (in italics) only performed by request.

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1999 TOXICOLOGY LABORATORY REPORT

INCIDENCE OF ANALYTES IN POSITIVE CASES 1994 - 1999¹

TABLE 91B

CUYAHOGA COUNTY CORONER'S LABORATORY CASES											
1994				1995				1996			
ALL CASES (%)		FATAL POISONINGS (%)		ALL CASES (%)		FATAL POISONINGS (%)		ALL CASES (%)		FATAL POISONINGS (%)	
<i>Carbon Monoxide</i> ²	32.06	<i>Carbon Monoxide</i> ²	82.22	<i>Carbon Monoxide</i> ²	33.54	<i>Carbon Monoxide</i> ²	73.85	<i>Carbon Monoxide</i> ²	22.90	<i>Carbon Monoxide</i> ²	85.71
Ethanol	24.22	Ethanol	49.42	Ethanol	24.06	Ethanol	42.79	Ethanol	17.42	Morphine	34.75
Lidocaine ³	17.61	Morphine	31.39	Lidocaine ³	17.56	Morphine	34.85	Lidocaine ³	16.38	Ethanol	34.03
Cocaine/ Cocaine Metabolite	10.24	Cocaine/ Cocaine Metabolite	23.68	Morphine	10.10	Cocaine/ Cocaine Metabolite	25.00	Caffeine	11.32	Cocaine/ Cocaine Metabolite	30.71
Morphine	7.89	Diazepam/ Desmethyl Diazepam	18.82	Cocaine/ Cocaine Metabolite	9.68	6-Monoacetyl Morphine	18.69	Cocaine/ Cocaine Metabolite	10.57	6-Monoacetyl Morphine	17.02
THCA	5.56	Propoxyphene/ Norpropoxyphene	12.79	Cannabinoids	6.50	Benzodiazepines	13.57	Morphine	8.41	Lidocaine ³	14.08
Phenytoin	3.62	Codeine	11.62	Phenytoin	3.90	Propoxyphene/ Norpropoxyphene	13.00	Cannabinoids	7.74	Propoxyphene/ Norpropoxyphene	13.38
Propoxyphene/ Norpropoxyphene	3.36	Lidocaine ³	11.04	Propoxyphene/ Norpropoxyphene	3.49	Lidocaine ³	12.50	Phenytoin	5.14	Benzodiazepines	12.68
Diazepam/ Desmethyl Diazepam	3.05	Acetaminophen	8.18	Benzodiazepines	3.29	Codeine	11.11	Propoxyphene/ Norpropoxyphene	3.42	Caffeine	11.11
Codeine	2.82	Diphenhydramine	7.55	Diphenhydramine	3.03	Tricyclic Antidepressants	8.00	Diphenhydramine	3.13	Codeine	10.64

¹A "Positive Case" is one wherein a chemical substance was detected from Table 91A. Percentages are based on the total number of cases tested in each category. ²Evaluation for this group or agent (*in italics*) only carried out by special request. ³Therapy.

1999 TOXICOLOGY LABORATORY REPORT

TABLE 91B (continued)

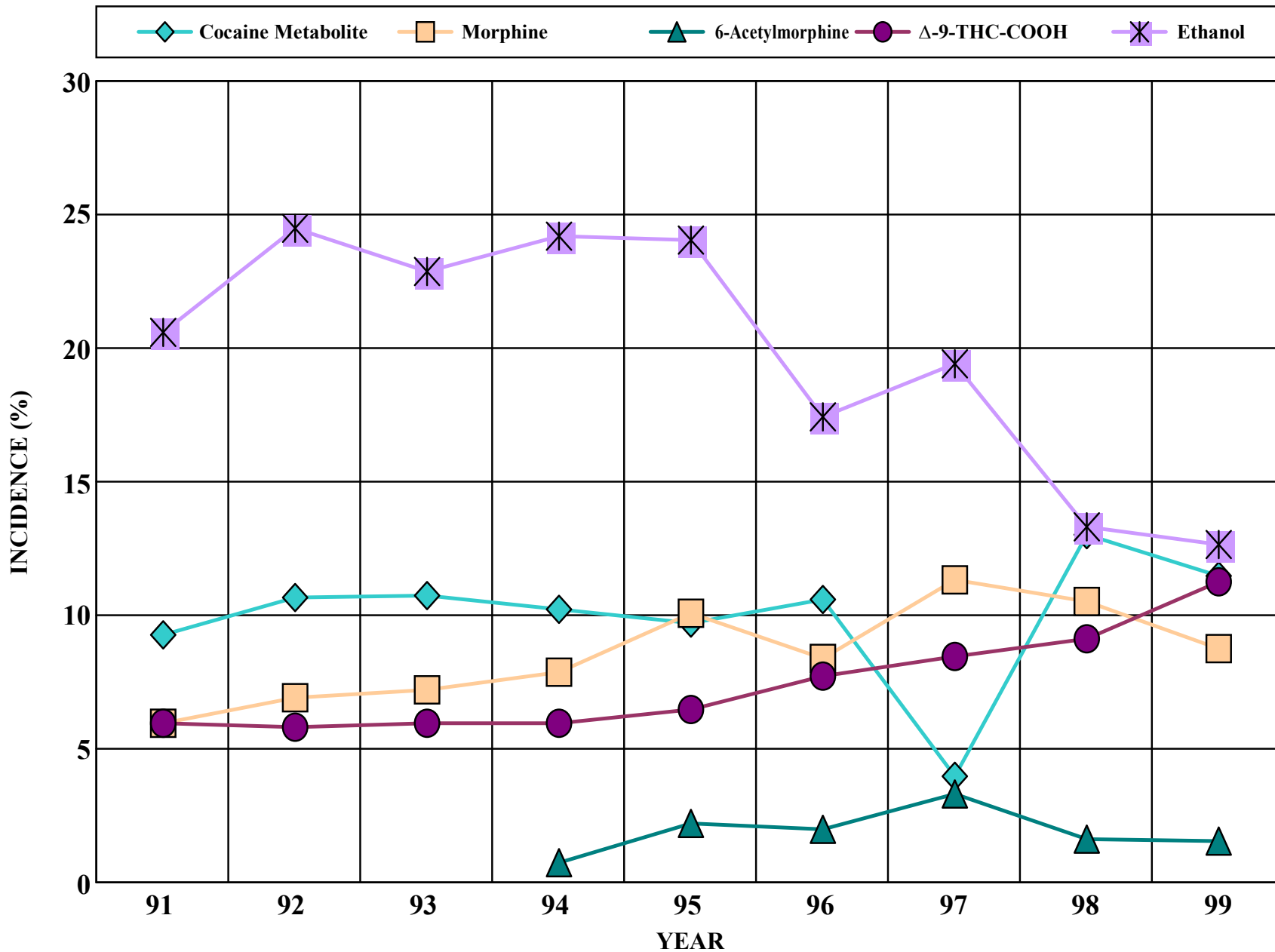
INCIDENCE OF ANALYTES IN POSITIVE CASES 1994 - 1999¹

CUYAHOGA COUNTY CORONER'S LABORATORY CASES											
1997				1998				1999			
ALL CASES (%)		FATAL POISONINGS (%)		ALL CASES (%)		FATAL POISONINGS (%)		ALL CASES (%)		FATAL POISONINGS (%)	
<i>Carbon Monoxide</i> ²	30.00	<i>Carbon Monoxide</i> ²	58.54	Caffeine	38.10	<i>Carbon Monoxide</i> ²	80.65	<i>Carbon Monoxide</i> ²	37.65	<i>Carbon Monoxide</i> ²	90.32
Ethanol	19.40	Morphine	46.53	<i>Carbon Monoxide</i> ²	30.21	Caffeine	60.00	Caffeine	22.86	Cocaine MB (BE)	46.30
Lidocaine ³	14.08	Ethanol	45.83	Lidocaine ³	15.37	Ethanol	35.33	Lidocaine ³	14.92	Cocaine	35.03
Morphine	11.34	6-Acetylmorphine	29.86	Ethanol	13.31	Morphine	33.78	Ethanol	12.63	Ethanol	28.75
Caffeine	10.77	Cocaine	23.61	Cannabinoids	11.73	Cocaine	29.45	Cannabinoids	12.14	Morphine	27.39
Cannabinoids	9.86	Theophylline	18.18	Cocaine	6.16	Lidocaine ³	17.12	Cocaine MB (BE)	11.49	Cannabinoids	25.00
Theophylline	6.15	Codeine	15.28	<i>Theophylline</i> ²	4.76	6-Acetylmorphine	15.54	Morphine	8.76	Caffeine	20.00
Cocaine	5.56	Cannabinoids	12.62	Phenytoin	4.62	Codeine	14.19	Cocaine	5.60	Lidocaine ³	15.29
										Cocaethylene	15.29
Phenytoin	4.75	Desmethyl Diazepam	10.49	Codeine	3.29	Cannabinoids	11.09	Diphenhydramine	4.97	6Acetylmorphone	14.01
6-Acetylmorphine	3.10	Lidocaine ³	10.42	Propoxyphene	2.91	Desmethyl Diazepam	9.46	Phenytoin	4.94	Codeine	12.10

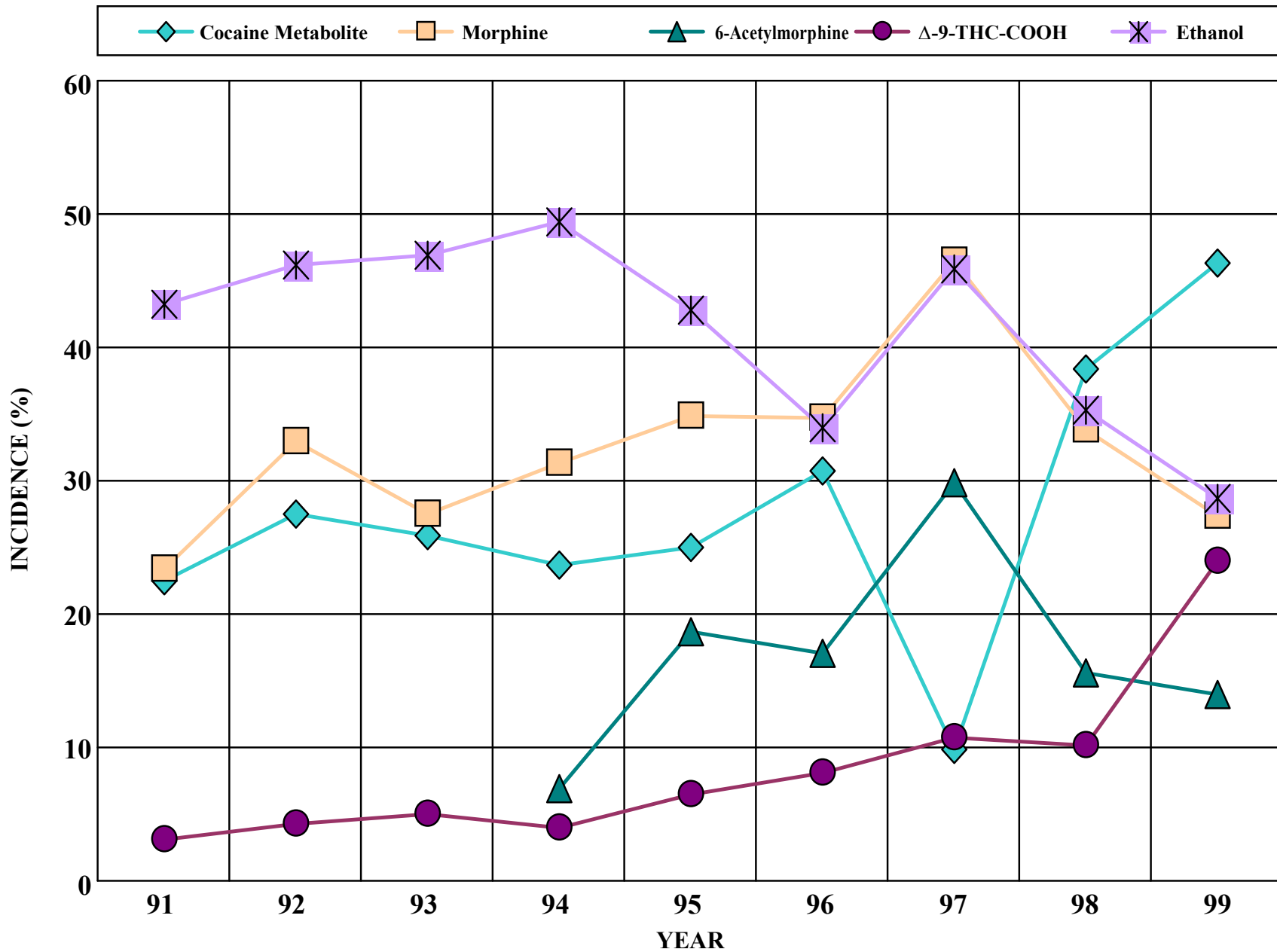
¹A "Positive Case" is one wherein a chemical substance was detected from Table 91A. Percentages are based on the total number of cases tested in each category. ²Testing for this group or agent (*in italics*) only performed by request. ³Therapy.

1999 TOXICOLOGY LABORATORY REPORT

INCIDENCE OF POSITIVE FINDINGS FROM ALL CUYAHOGA COUNTY CORONER'S CASES



INCIDENCE OF POSITIVE FINDINGS FROM POISONING FATALITIES



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1999 TOXICOLOGY LABORATORY REPORT

TESTING FREQUENCY BY DRUG GROUP*

TABLE 92

DRUG GROUP	CUYAHOGA COUNTY CORONER'S LABORATORY CASES TESTED	OUTSIDE REFERRING AGENCIES' CASES TESTED	TOTALS
Acetaminophen ¹	1540	186	1726
Acid/Neutrals ²	1642	149	1791
Bases ³	2069	383	2452
Benzodiazepines ⁴	1684	279	1963
Cannabinoids ⁵	880	216	1096
Carbon Monoxide ⁶	86	14	100
Chloral Hydrate ⁷	0	0	0
Cocaine Metabolite ⁸	1618	296	1914
Cyanide ⁹	4	0	4
Ethychlovynol ¹⁰	1532	185	1717
Glucose and Ketone Bodies ¹¹	890	116	1006
Glycols ¹²	0	0	0
Heavy Metals ¹³	3	0	3
Opiates ¹⁴	1801	279	2080
Quinine and Quinidine ¹⁵	2069	149	2218
Salicylate ¹⁶	1533	186	1719
Sympathomimetic Amines ¹⁷	2096	389	2485
Volatiles ¹⁸	2834	380	3214
Xanthines ¹⁹	35	6	41

*Number of tests performed for total analytes from a given group in single or multiple biological matrices.
¹ thru ¹⁹ Compounds in each specific drug group are listed on the next page (p. 186).

AGENTS INCLUDED IN DRUG GROUPS ON TABLE 92

- 1) ACETAMINOPHEN: Acetaminophen
- 2) ACID/NEUTRALS: Amobarbital, Butabarbital, Butalbital, Caffeine, Carbamazepine, Carisoprodol, Chlorpropamide, Desmethy Mephenytoin, Glutethimide, Guaifenesin, Ibuprofen, Mephenytoin, Mephobarbital, Meprobamate, Methaqualone, Methyprylon, Naproxen, Pentobarbital, Pentoxifylline, Phenobarbital, Phenytoin, Primidone, Secobarbital, Tolbutamide
- 3) BASES: Amantadine, Amitriptyline, Amoxapine, Atropine, Benztropine, Brompheniramine, Bupivacaine, Bupropion, Bupropion erythro mb, Bupropion morpho mb, Bupropion threo mb, Buspirone, Caffeine, Carbinoxamine, Chlorpheniramine, Chlorpromazine, Cimetidine, Citalopram, Clomipramine, Clozapine, Cocaethylene, Cocaine, Codeine, Cotinine, Cyclizine, Cyclobenzaprine, Desipramine, Desmethyl Clomipramine, Desmethyl Clozapine, Desmethyl Sertraline, Desmethyl Venlafaxine, Dextromethorphan, Diphenhydramine, Disopyramide, Diltiazem, Doxepin, Doxylamine, Fluoxetine, Fluoxetine/Norfluoxetine, Fluvoxamine, Haloperidol, Hydroxyzine, Hydroxyzine mb, Imipramine, Ketamine, Lidocaine, Lidocaine mb (MEGX), Loxapine, Maprotiline, Meclizine, Meperidine, Mesoridazine, Methadone, Methadone primary mb (EDDP), Methadone secondary mb (EMDP), Methapyriline, Methylphenidate, Metoprolol, Mexiletine, Mirtazapine, Nefazodone, Nicotine, Nordoxepin, Norfluoxetine, Normeperidine, Norpropoxyphene, Nortriptyline, Norverapamil, Olanzapine, Orphenadrine, Oxycodone, Paroxetine, Pentazocine, Perphenazine, Phencyclidine, Pheniramine, Phentoloxamine, Procaine, Procaïnamide, Promethazine, Propoxyphene, Propranolol, Protriptyline, Pyrilamine, Quinidine, Quinine, Ritalinic Acid, Sertraline, Thioridazine, Tramadol, Trazodone, Trimipramine, Tripeleminamine, Venlafaxine, Verapamil, Zolpidem
- 4) BENZODIAZEPINES: Alpha-OH Alprazolam, Alprazolam, Chlordiazepoxide, Clonazepam, Demoxepam, Desalkylflurazepam, Desmethylchlordiazepoxide, Diazepam, 7-amino Flunitrazepam, Flunitrazepam, Flurazepam, Hydroxyethyl Flurazepam, Lorazepam, Medazepam, Midazolam, Nitrazepam, Nordiazepam, Oxazepam, Prazepam, Temazepam, Triazolam
- 5) CANNABINOIDS: delta-9-THC, 11-Hydroxy-delta-9-THC, delta-9-THC-9-COOH
- 6) CARBON MONOXIDE*: Carbon Monoxide, Methemoglobin, Hemoglobin
- 7) CHLORAL HYDRATE*: Chloral Hydrate, Trichloroethanol
- 8) COCAINE METABOLITE: Anhydroecgonine methyl ester, Benzoyllecgonine, Cocaine, Cocaethylene, Ecgonine ethyl ester*, Ecgonine methyl ester
- 9) CYANIDE*: Cyanide
- 10) ETHCHLORVYNOL: Ethchlorvynol
- 11) GLUCOSE AND KETONE BODIES: Glucose, Acetoacetic Acid
- 12) GLYCOLS*: Ethylene Glycol, Propylene Glycol
- 13) HEAVY METALS*: Antimony, Arsenic, Bismuth, Mercury
- 14) OPIATES: 6-Acetylmorphine, Codeine, Dihydrocodeine*, Heroin*, Hydrocodone, Hydromorphone, Morphine, Norcodeine*, Normorphine*, Oxycodone
- 15) PHENCYCLIDINE: Phencyclidine
- 16) PHENOTHIAZINES: Mesoridazine, Thioridazine
- 17) PHENOTHIAZINE METABOLITES: Phenothiazine Metabolites
- 18) QUININE AND QUINIDINE: Quinine, Quinidine
- 19) SALICYLATE: Salicylate
- 20) SYMPATHOMIMETIC AMINES: Amphetamine, Fenfluramine, Diethylpropion, Ephedrine, Mephentermine, Methylene dioxymphetamine, Methylene dioxymethamphetamine, Methamphetamine, Phendimetrazine, beta-Phenethylamine, Phenmetrazine, Phentermine, Phenylephrine, Phenylpropanolamine, Pseudoephedrine, Tranylcypromine

*Testing for this group or agent (*in italics*) only performed by request.

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PROFICIENCY STUDIES

TABLE 92A

AGENCY	SURVEY TYPE	NUMBER OF SURVEYS	NUMBER OF SAMPLES		
			BLOOD	URINE	OTHERS
Pennsylvania Department of Health	Blood/Serum Drug Analysis	3	30	0	0
Department of Transportation (Federal)	Alcohol	2	8	0	0
Federal Aviation Administration (Federal)	Postmortem Toxicology	4	2	0	2
Wisconsin State Laboratory of Hygiene	Alcohol	5	20	5	0
College of American Pathologists	Urine Toxicology	3	0	15	0
College of American Pathologists	Blood Volatiles	3	15	0	0
College of American Pathologists	Forensic Toxicology	2	6	2	0
TOTAL		22	81	22	2

In 1999 the Cuyahoga County Coroner's Office Toxicology Laboratory participated in 22 proficiency surveys.

TABLE 93

SUBSTANCES INVOLVED IN FATAL POISONINGS

SUBSTANCES	HOME	OTHER	SUICIDE	V.U.O.	TOTAL
<u>Single Chemical Agent</u>					
Acetaminophen			1		1
Carisopropadol			1		1
Cocaine	15	17			32
Doxepin	1				1
Drug abuse	1	16			17
Fentanyl		1			1
Fluoxetine			1	1	2
Heroin	6	3			9
Hydrocodone			1		1
Methadone		1			1
Morphine	1				1
Olanzapine			2		2
Oxycodone	1				1
Phencyclidine	2				2
Toilet bowel cleaner			1		1
Tramadol			1		1
Valproic Acid	1				1
TOTAL	28	38	8	1	75
<u>Combined Effect of Ethanol and:</u>					
Chloroethan	1				1
Cocaine	5	3			8
Diazepam	1				1
Heroin	3	1			4
Methadone		1			1
Opiates	1	2			3
Oxycodone	1				1
Cocaine and Heroin	1				1
Cocaine and Opiate	2				2
Cocaine, and Diazepam		1			1
Fluoxetine and Diazepam	1				1
Oxycodone and Diazepam	1				1
Acetaminophen, Hydrocodone, Meperidine	1				1
Cocaine, Diazepam, and Olanzapine			1		1
Cocaine, Heroin and Diazepam	1				1
Amitriptyline, Doxepin, Fluoxetine and Chlorpheniramine			1		1
Morphine, Amitriptyline, Nortriptyline, Cocaethylene and Cocaine		1			1
TOTAL	19	9	2		30

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SUBSTANCES INVOLVED IN FATAL POISONINGS

TABLE 93 (continued)

SUBSTANCES	HOME	OTHER	SUICIDE	V.U.O.	TOTAL
<u>Effect of Two Chemical Agents:</u>					
Amitriptyline and Fluoxetine			1		1
Barbiturate and Tricyclic anti-depressant			1		1
Carisoprodol and Diazepam			1		1
Cocaine and Codeine	1				1
Cocaine and Cyclobenzaprine		1			1
Cocaine and Marijuana	1				1
Cocaine and Opiate	2				2
Codeine and Propoxyphene	1				1
Heroin and Codeine	1				1
Heroin and Diazepam	2				2
Heroin and Nortriptyline	1				1
Hydrocodone and Diazepam	1				1
Hydrocodone and Olanzapine	1				1
Phenobarbital and Phenytoin			1		1
TOTAL	11	1	4		16
<u>Effect of Three or More Chemical Agents:</u>					
Butalbital, Hydrocodone and Diazepam	1				1
Cocaine, Heroin, and Diazepam	1				1
Cocaine, Morphine, and Olanzapine	1				1
Gamma hydroxybutyric acid (GHB), Meprobamate and Diazepam		1			1
Heroin, Codeine and Amitriptyline	1				1
Heroin, Nortriptyline and Doxylamine	1				1
Oxycodone, Diazepam and Alprazolam	1				1
Cocaine, Heroin, Ketamine, and Methamphetamine		1			1
Cocaine, Morphine, Codeine and Pentazocine	1				1
Cocaine, Opiate, Cyclobenzaprine and Tramadol		1			1
Desipramine, Imipramine, Clozapine and Venlafaxine			1		1
Hydrocodone, Opiate, Diazepam, and Acetaminophen	1				1
Carisoprodol, Diazepam, Hydrocodone, Chlorpromazine and Propoxyphene	1				1
Doxepin, Barbiturate, Benzodiazepine, Acetaminophen and Salicylate	1				1
TOTAL	10	3	1		14
GRAND TOTAL	68	51	15	1	135

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TABLE 93A

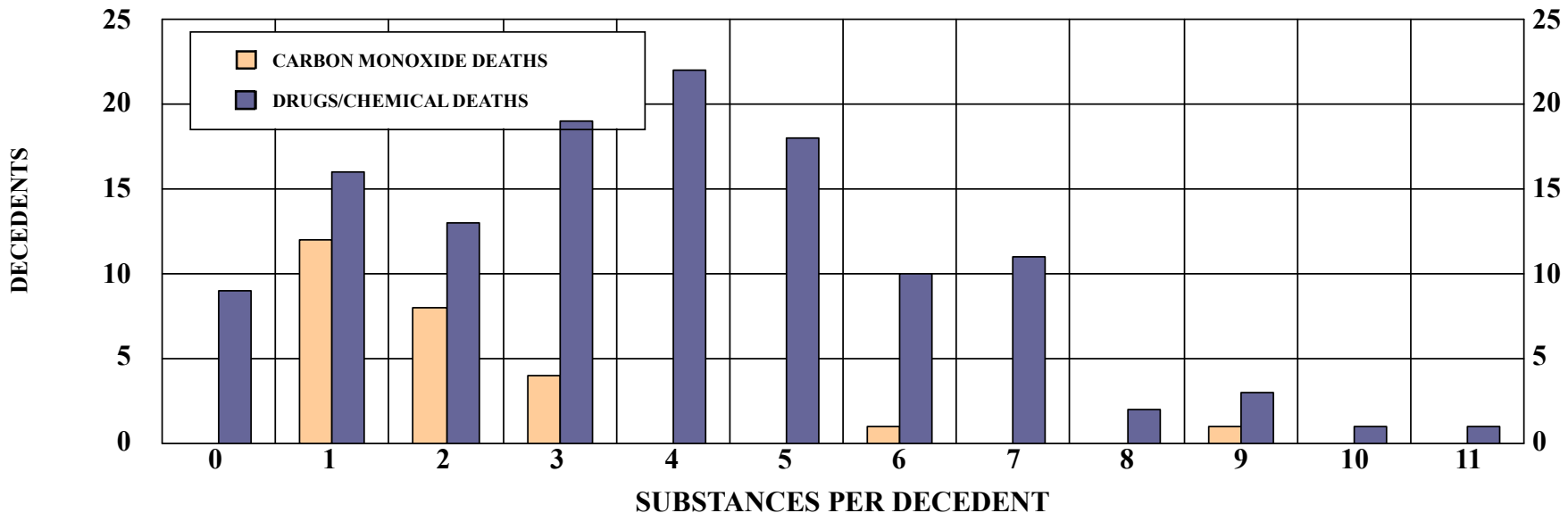
POISONING FATALITIES BY MANNER 1988 - 1999

YEAR	ACCIDENTS						HOMICIDE		SUICIDE		MANNER UNDETERMINED		TOTAL	
	HOME		WORK		OTHER PLACES		CO	OTHERS	CO	OTHERS	CO	OTHERS	CO	OTHERS
1988	28	42	2		2	24	2		24	12		1	58	79
1989	28	42		3	2	18			17	23			47	86
1990	25	27				27	2		17	14	2		46	68
1991	26	22			1	30		1	15	20	1	3	43	76
1992	33	62	1			17	1	1	27	23		2	62	105
1993	30	55	1	1	1	30	1		15	16		1	48	103
1994	28	75		1	1	33			13	21	1	3	43	133
1995	25	95	2			46	3		20	18		2	50	161
1996	6	67			1	45	1		17	8		1	25	121
1997	8	78			1	33	2		13	12	1	1	25	124
1998	9	61			2	42			13	21		1	24	125
1999	14	68				51	2		12	15		1	28	135
TOTAL	260	694	6	5	11	396	14	2	203	203	5	16	499	1316
GRAND TOTAL	954		11		407		16		406		21		1815	

CO = Carbon Monoxide
 OTHERS = Other Poisoning Substances

1999 TOXICOLOGY LABORATORY REPORT

INCIDENCE OF POLYPHARMACY (FINDINGS FROM 163 POISONING FATALITIES)



TOXICOLOGY

TABLE 93B

RELATIVE INCIDENT INDEX (RII) 1990 - 1999

DRUG/GROUP	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Acetaminophen	20	36	*	*	40	*	37	*	*	*
Barbiturates (Total)	4	N.A.	N.A.	N.A.	N.A.	N.A.	*	*	*	*
Phenobarbital	5	16	0	*	*	*	*	*	*	*
Benzodiazepines (Total)	23	N.A.	N.A.	N.A.	N.A.	N.A.	41	29	40	29
Diazepam	24	33	10	45	55	46	44	48	38	30
n-desmethyldiazepam	20	29	11	40	63	47	45	42	40	31
<i>Carbon Monoxide**</i>	90	95	79	96	88	90	80	67	86	87
Chlopheniramine	*	39	*	*	*	*	*	*	*	*
Cocaine	22	20	28	34	42	43	43	43	47	61
Cocaine Metabolite (Benzoylcegonine)	13	19	17	32	36	41	41	33	45	55
Dextromethorphan	17	0	*	*	*	*	*	*	*	*
Diphenhydramine	15	38	15	*	28	25	*	*	*	16
Ethanol	6	10	46	12	15	14	31	16	16	12
Lidocaine	4	8	12	5	6	8	9	8	11	10
Meperidine	4	8	*	*	*	*	*	*	*	*
Methadone	*	37	*	*	*	*	*	*	*	*
Norpropoxyphene	41	41	13	31	45	41	40	29	*	*
Opiates (Total)	19	N.A.	N.A.	N.A.	N.A.	N.A.	47	44	42	36
Codeine	22	12	14	32	42	50	38	50	42	33
Morphine	19	27	33	34	40	39	42	42	31	31
6-Monoacetyl Morphine	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	89	98	95	91
Phenytoin	8	5	*	*	*	*	*	*	*	*
Propoxyphene	23	36	20	29	38	34	40	27	*	*
Quinine	8	20	*	*	0	*	*	*	*	*

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TOXICOLOGY LABORATORY REPORT

RELATIVE INCIDENT INDEX (RII) 1990 - 1999

TABLE 93B (continued)

DRUG/GROUP	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Antidepressants (Listed Below)	46	N.A.	N.A.	N.A.	N.A.	N.A.	26	38***	41***	36***
Amitriptyline	54	37	8	*	29	36	*	*	*	*
Desipramine	*	55	*	*	*	*	*	*	*	*
Doxepin	*	62	*	*	*	*	*	*	*	*
Nordoxepin	*	*	*	*	*	*	*	*	*	*
Nortriptyline	45	37	*	*	37	48	*	*	*	*
Phenothiazines (Total)	13	N.A.	N.A.	N.A.	N.A.	N.A.	*	*	*	*
Salicylate	20	*	0	*	*	0	*	*	*	*
Sympathomimetic Amines (Total)	3	N.A.	N.A.	N.A.	N.A.	N.A.	18	13	24	*
Ephedrine/Pseudoephedrine	0	9	*	*	*	*	*	*	*	*
Phenylpropanolamine	10	5	*	*	*	*	*	*	*	*

RII - 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.

N.A. - Not available due to changes in software sorting and counting techniques.

NOTE: These calculations and comparisons are based upon ten or more findings of analyte/group in poisoning deaths.

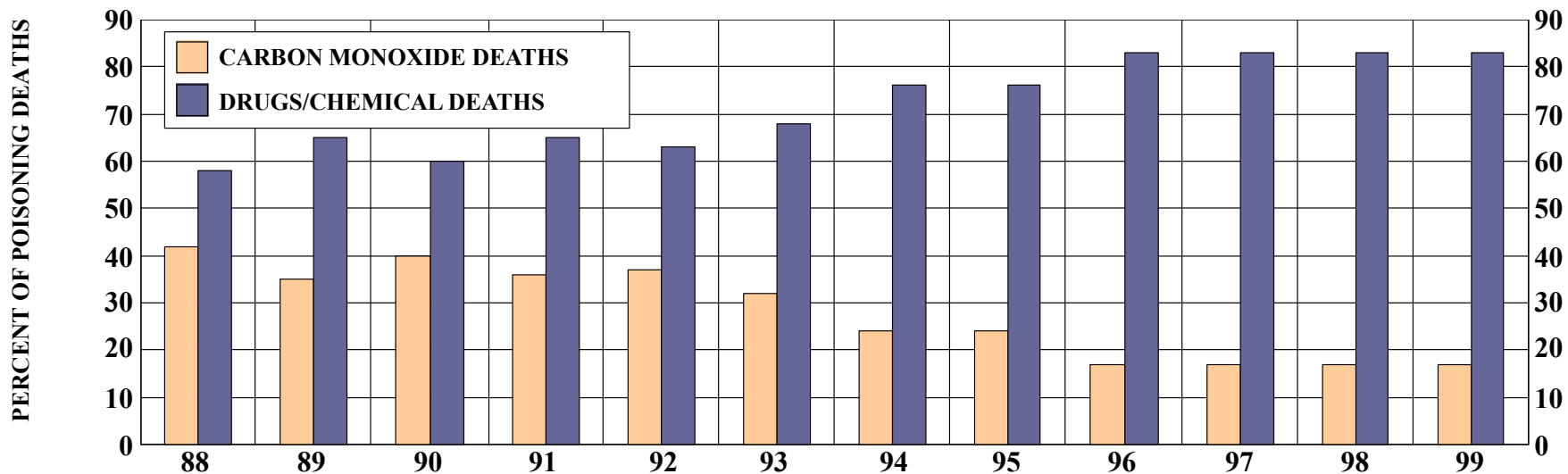
*Analyte/group found less than 10 times in poisoning deaths.

**Testing for this group or agent (*in italics*) performed by request.

***Antidepressants listed as Bases in "Agents Included in Drug Groups" (p. 186).

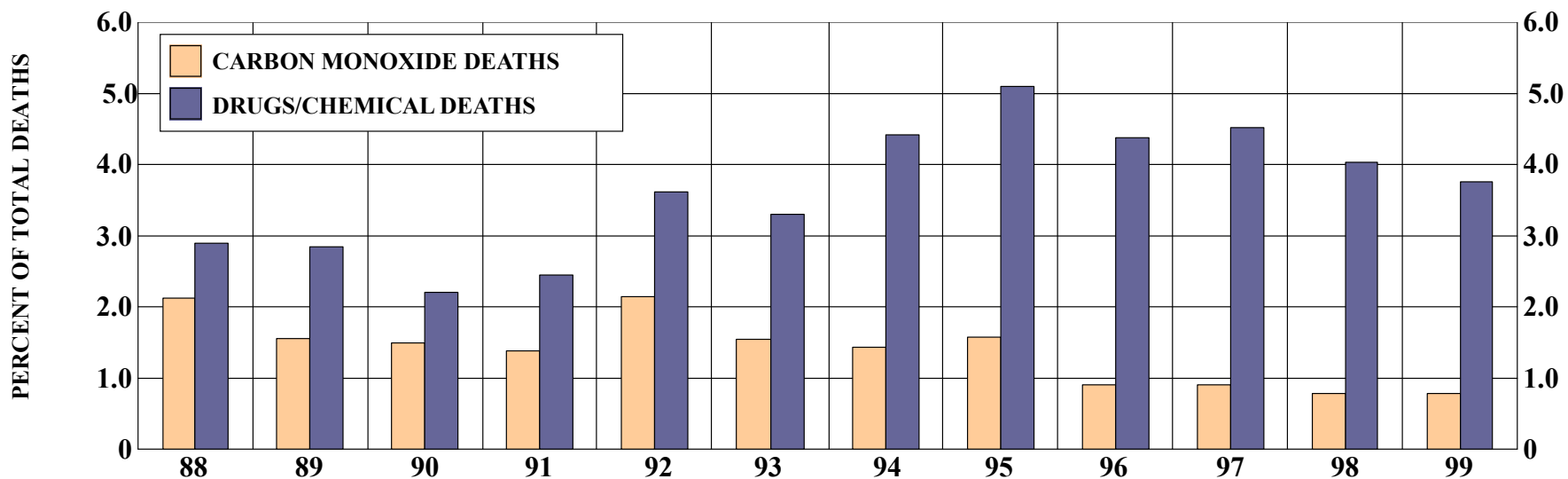
1999 TOXICOLOGY LABORATORY REPORT

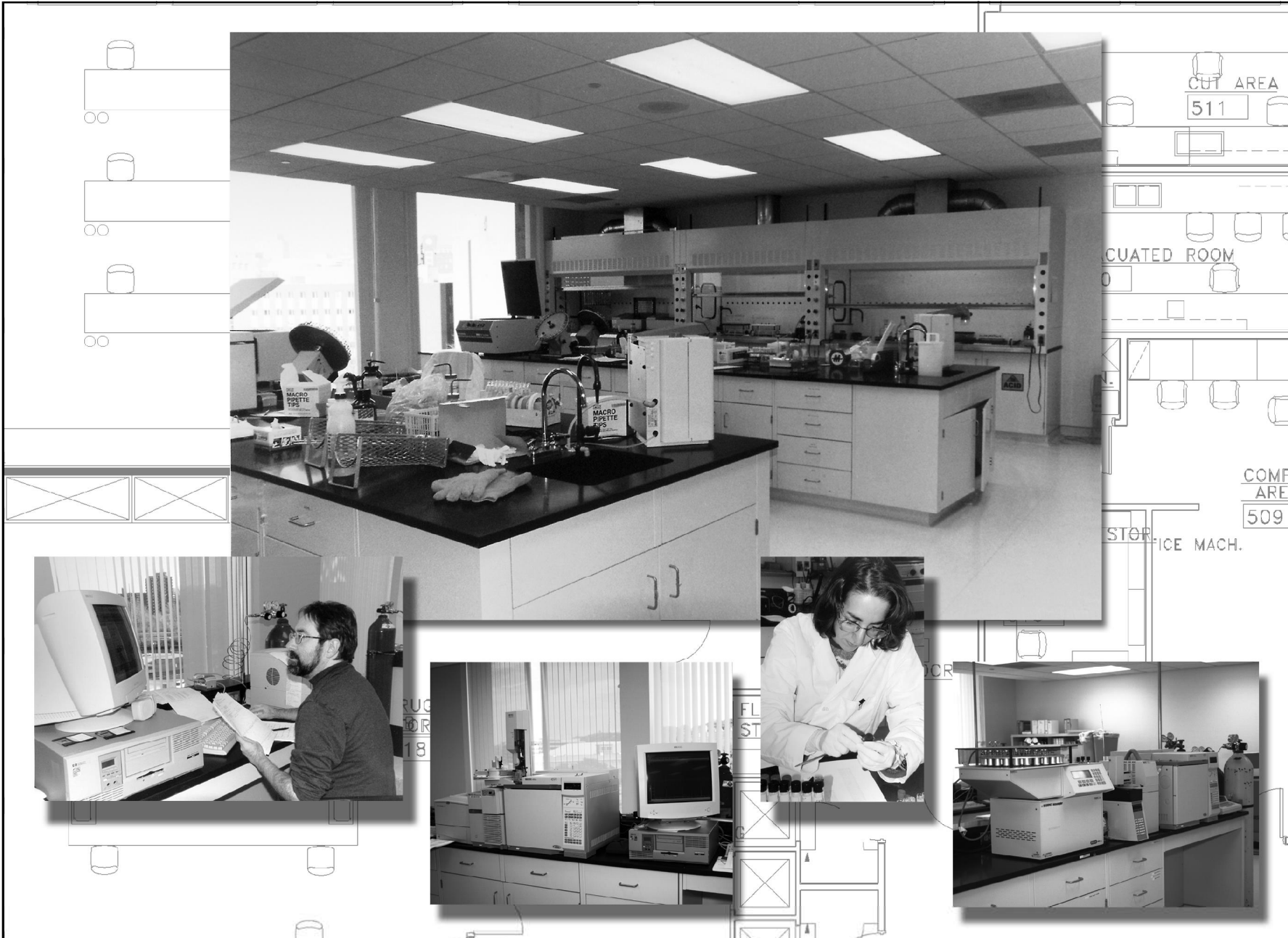
TRENDS IN FATAL POISONINGS



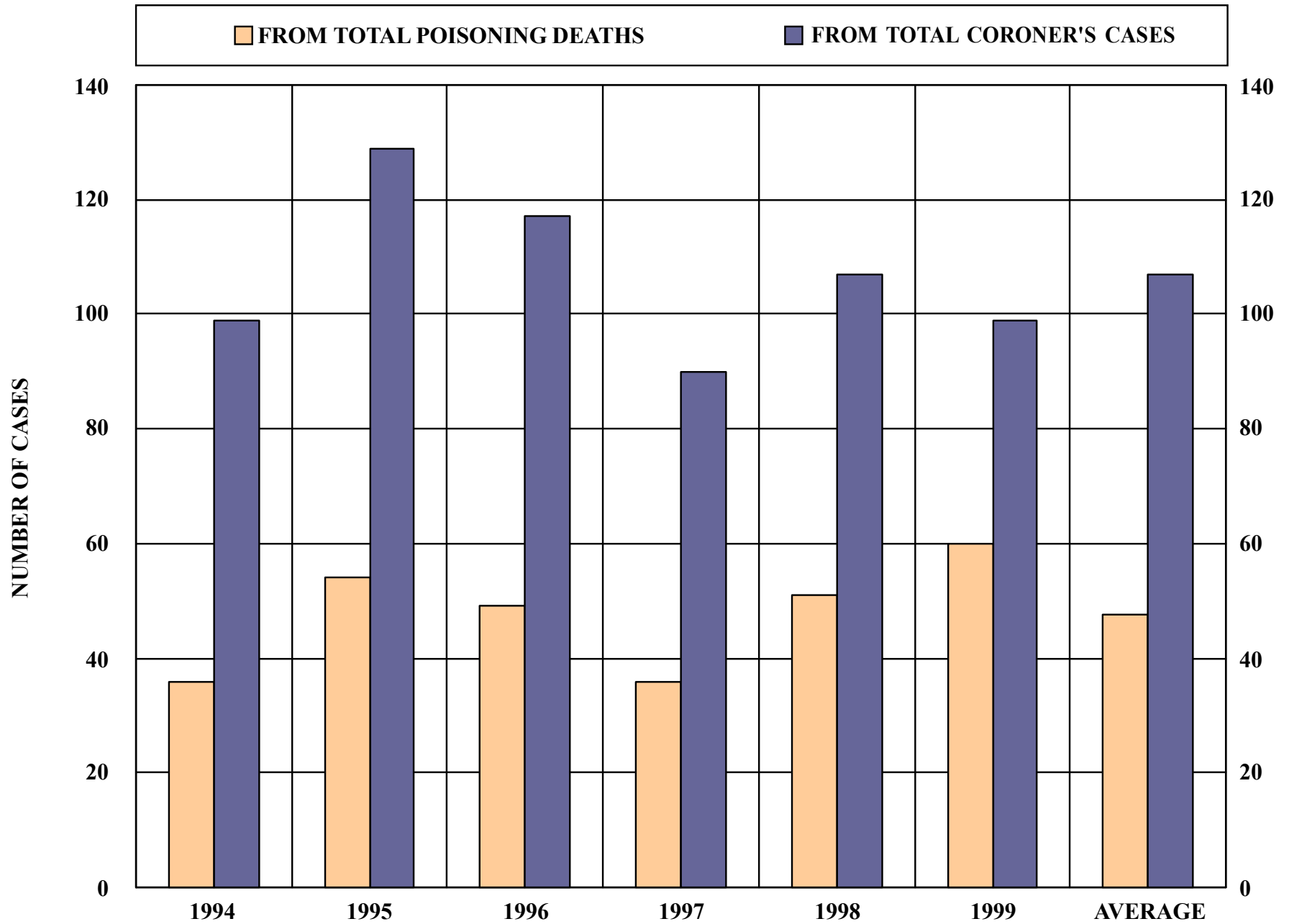
1999 TOXICOLOGY LABORATORY REPORT

TRENDS IN FATAL POISONING



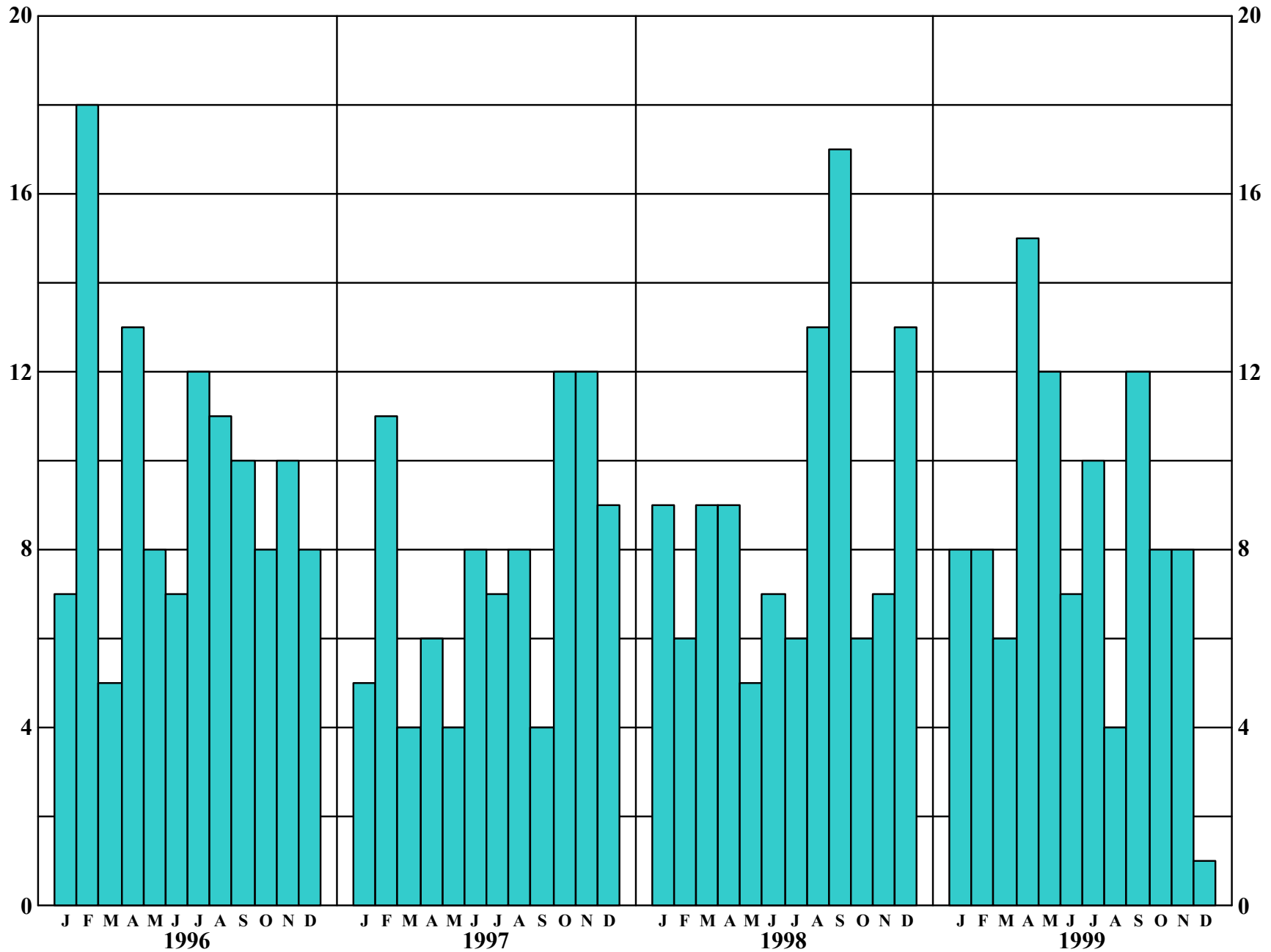


TREND IN COCAINE METABOLITE INCIDENCE 1994 - 1999

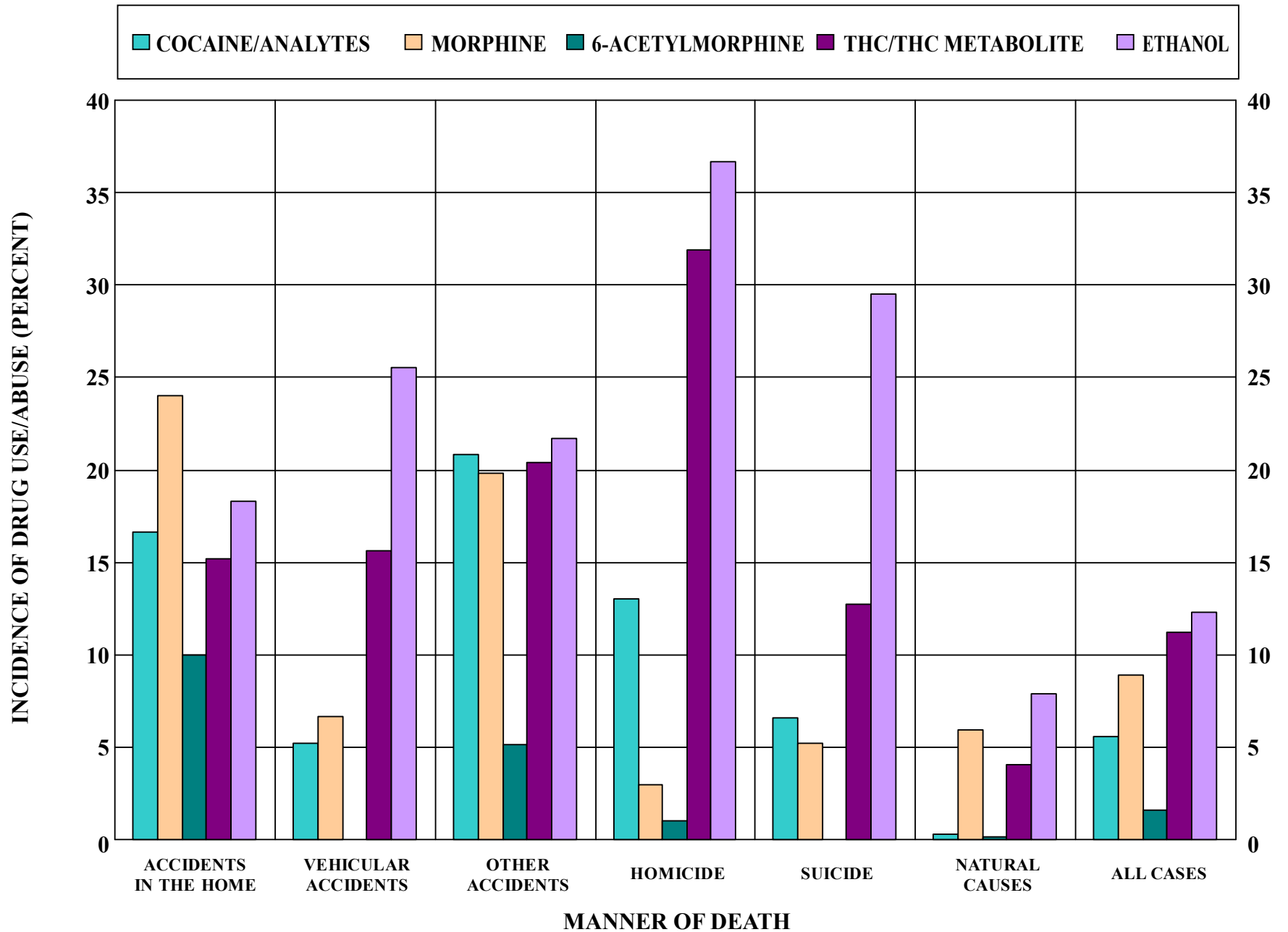


TOXICOLOGY LABORATORY REPORT

TREND IN MONTHLY COCAINE CASE INCIDENCE 1996 - 1999



TOXICOLOGY



*Through December 15, 1999.

1999 TRACE EVIDENCE LABORATORY REPORT

SUMMARY

CASES	NUMBER OF CASES	PERCENT OF TOTAL CASES	SPECIMENS*	AVERAGE SPECIMENS PER CASE	TESTS***	AVERAGE TESTS PER CASE
CORONER'S	798	22.2	5,830	7.4	-	-
OUT OF COUNTY	71	75.5	2,589	36.4	-	-
NONFATAL	39	-	4,493	115.2	-	-
OUT OF COUNTY FATAL	4	-	782	195.5	-	-
TOTAL	912	23.7**	13,694	15.0	29,302	32.1

*Includes specimens from bodies and evidence.

**Does not include nonfatal cases.

***Ongoing changes in counting techniques prevent this category from being counted in 1999.

TRACE EVIDENCE LABORATORY REPORT

SUMMARY OF COURT APPEARANCES

In 1999, Trace Evidence personnel made 38 court appearances in 38 cases (34 Cuyahoga County Coroner's cases, 2 nonfatal cases, and 2 out of county fatal cases).

Time away from office for court appearances: 135 hours and 21 minutes.

Actual time testifying at court: 32 hours and 52 minutes.

TABLE 94

NUMBER OF SPECIMENS RECEIVED

CASES	TOTAL NUMBER OF CASES	SPECIMENS RECEIVED FOR SEROLOGICAL TESTING	OTHER SPECIMENS RECEIVED FOR ANALYSIS AND IDENTIFICATION	TOTAL
-------	-----------------------	--	--	-------

SPECIMENS FROM BODIES

CORONER'S CASES	798	827	555	1,382
OUT OF COUNTY	71	343	273	616
NONFATAL	39	608	460	1,068
OUT OF COUNTY FATAL	4	127	60	187
TOTAL	912	1,905	1,348	3,253

EVIDENCE FROM CASES LISTED ABOVE

TOTAL	205	5,002	5,439	10,441
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TOTAL SPECIMENS AND EVIDENCE FROM CASES LISTED ABOVE

GRAND TOTAL	912	6,907	6,787	13,694
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1999 TRACE EVIDENCE LABORATORY REPORT

NUMBER OF TESTS PERFORMED

TABLE 94A

CASES	TOTAL NUMBER OF CASES	SEROLOGICAL TESTING ON SPECIMENS RECEIVED	ANALYSIS AND IDENTIFICATION OF SPECIMENS RECEIVED	TOTAL
--------------	--------------------------------------	--	--	--------------

TESTS ON SPECIMENS FROM BODIES

CORONER'S CASES	798	904	408	1,312
OUT OF COUNTY	71	1,047	416	1,463
NONFATAL	39	2,022	431	2,453
OUT OF COUNTY FATAL	4	566	106	672
TOTAL	912	4,539	1,361	5,900

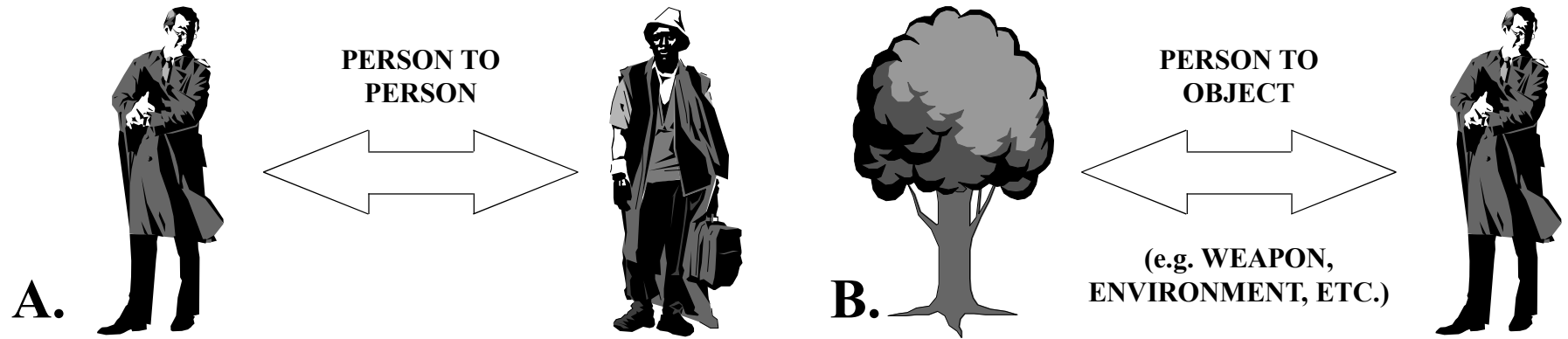
TESTS ON EVIDENCE FROM CASES LISTED ABOVE

TOTAL	205	15,795	7,607	23,402
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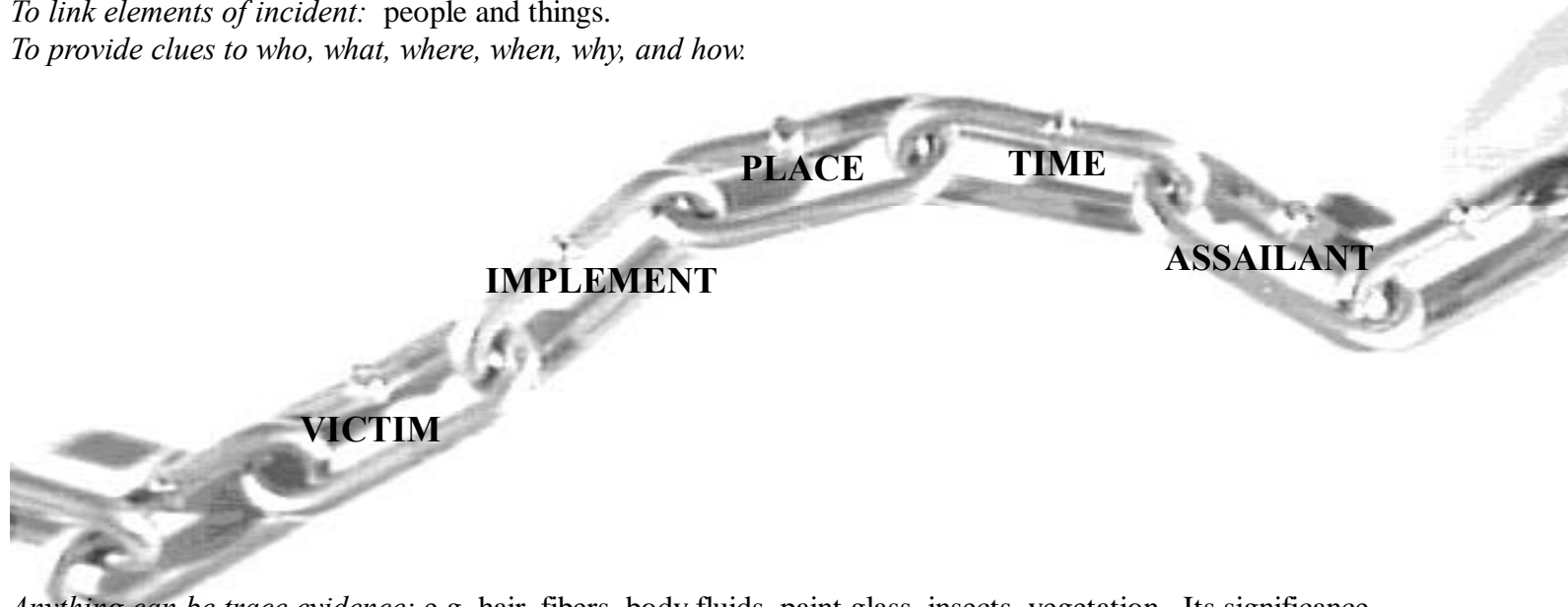
TOTAL TESTS ON SPECIMENS AND EVIDENCE FROM CASES LISTED ABOVE

GRAND TOTAL	912	20,334	8,968	29,302
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- I. **LOCARD'S PRINCIPLE:** *Contact produces a transfer and exchange of body fluids, hair, fibers, etc.*
 - A. *Exchange of body fluids, hair, fibers, etc.*
 - B. *Transfer of body fluids, hair, fibers, etc.; of components of objects, contaminants, and imprints.*



- II. **OBJECTIVE:**
 - A. *To link elements of incident: people and things.*
 - B. *To provide clues to who, what, where, when, why, and how.*

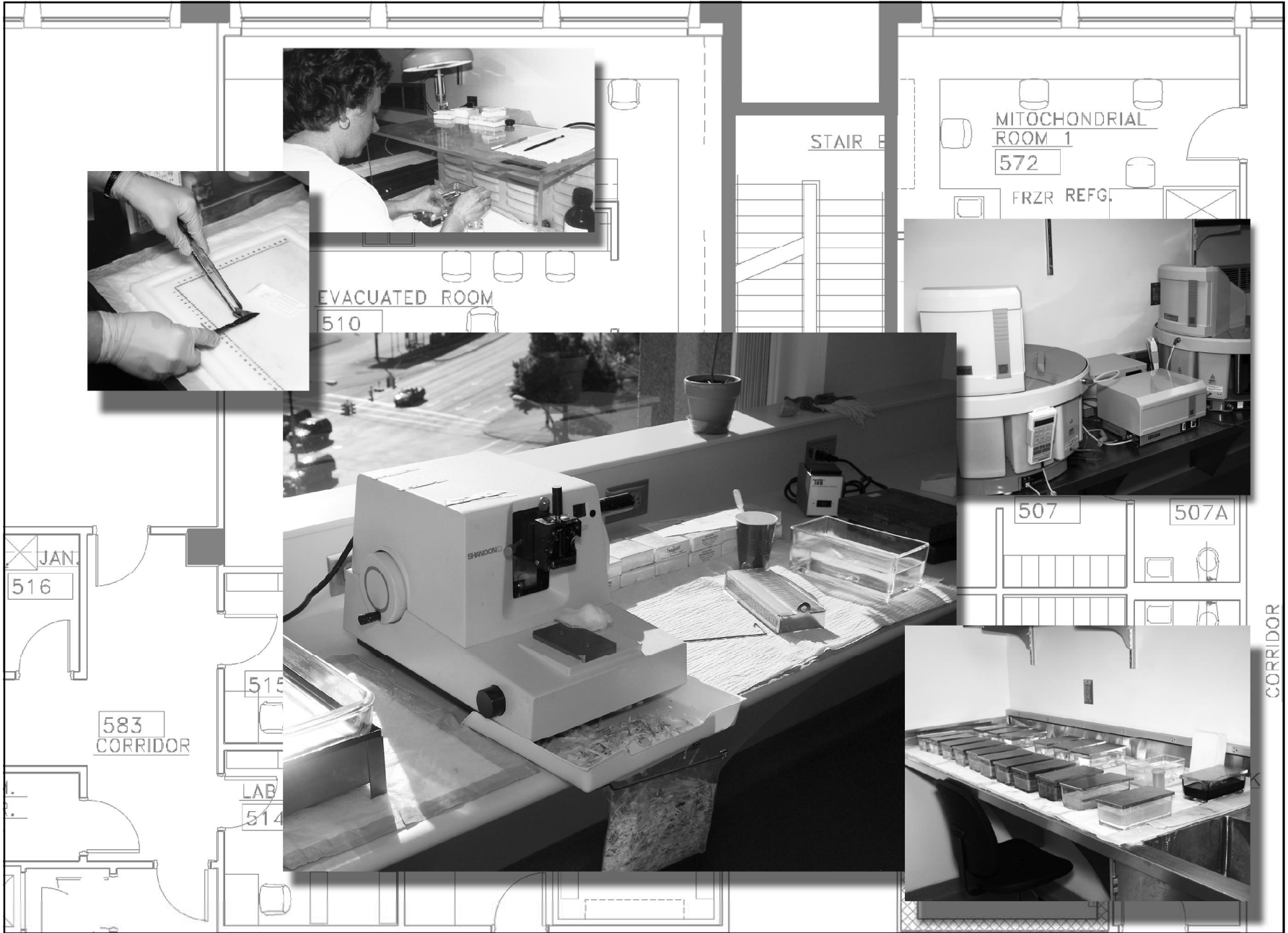


C. *Anything can be trace evidence; e.g. hair, fibers, body fluids, paint glass, insects, vegetation. Its significance is dependent on its individual characteristics.*

TRACE EVIDENCE DEPARTMENT

CORONER'S OFFICE





	CUYAHOGA COUNTY CORONER'S OFFICE	OTHER SOURCES*	TOTAL
<u>TISSUE SPECIMENS RECEIVED FROM:</u>			
AUTOPSIES	1405	94	1499
BIOPSIES, SPECIMENS, ETC.			
TOTAL	1405	94	1499
BLOCKS PREPARED	25,766	1688	27,454
SECTIONS PREPARED	41,273	2769	44,042
TOTAL	67,039	4457	71,496
<u>SLIDES PREPARED AND STAINED:</u>			
ROUTINE HEMATOXLIN - EOSIN	26,350	2000	28,350
<u>SPECIAL STAINS FOR THE DEMONSTRATION OF:</u>			
ACID FAST BACTERIA	43	2	45
AMYLOID			
BILE PIGMENT			
BROWN AND BRENN			
ELASTIC	2		2
FONTANA			
IRON	176	20	196
METHENAMINE SILVER	63	5	68
MOVAT			
MUCIN			
P.A.S.	3	9	12
PENTACHROME	7	2	9
WARTHIN-STARRY			
SIMPLE SILVER	49		49
OTHER	6		6
TOTAL	26,699	2038	28,737

* Outside autopsies done for other counties and additional cuts and stains for other cases prior to 1999.

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 uninterrupted 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 photomicrography 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 for 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*	3,688
PICTURES OF BODIES, EVIDENCE AND SCENES	20,204
5" X 7" COLOR PRINTS PRODUCED	30,288
COLOR SLIDES ADDED TO THE FILE	222
BLACK AND WHITE PRINTS	437
POLAROID PRINTS	33
COMPUTER-GENERATED TYPE SLIDES PRODUCED	396
CHARTS AND GRAPHS PRODUCED	84
COMPUTER GRAPHICS	27
CAD** SCENE AND/OR EVIDENCE ANALYSIS	2
DIGITAL PHOTOGRAPHS PRODUCED	1,228
DIGITIZED (SCANNED) ANALOG IMAGES	1,019
SCALE MODELS	0

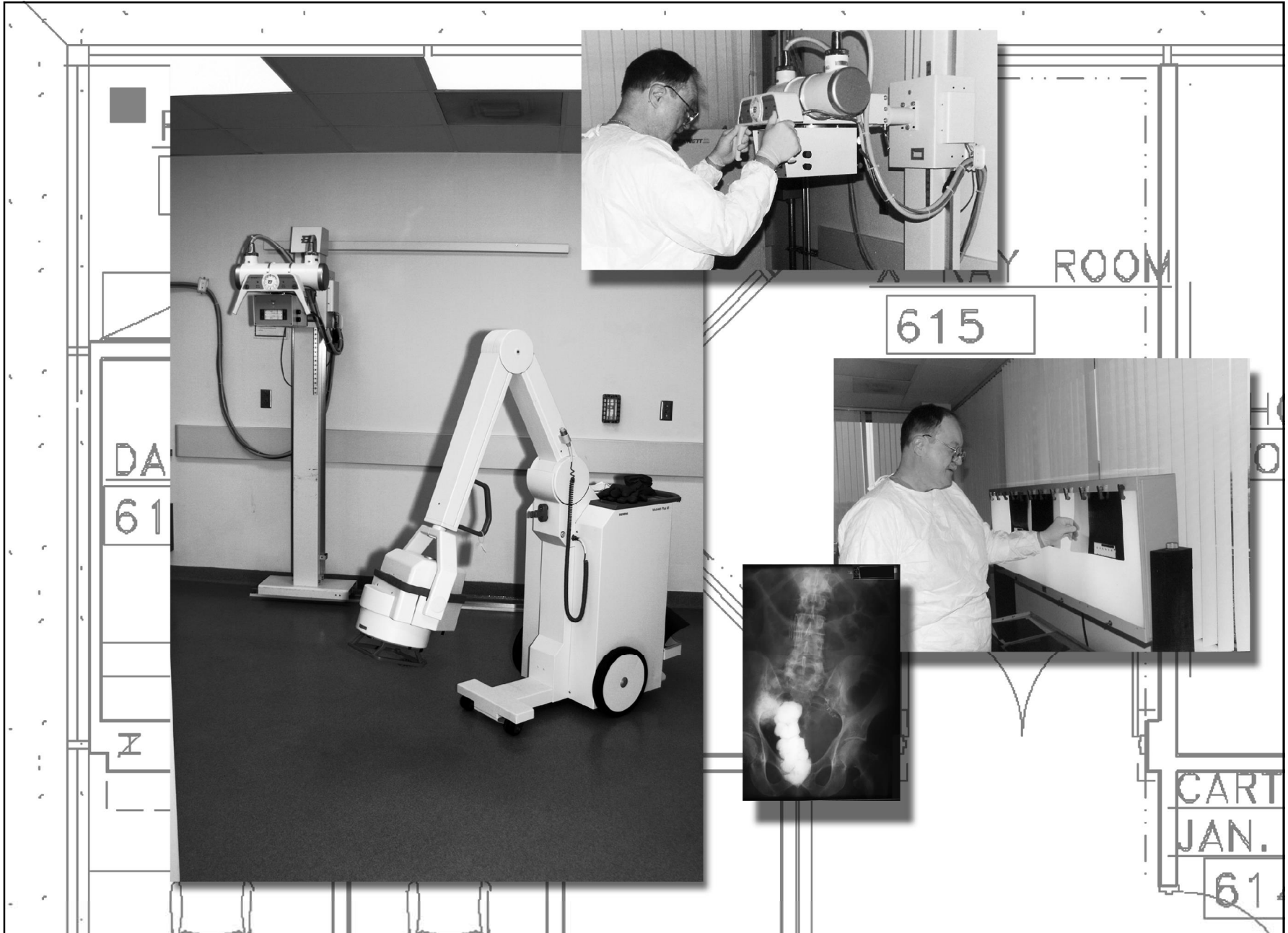
*Includes 94 out of county cases.

**Computer-aided design software

PHOTOGRAPHY DEPARTMENT

CORONER'S OFFICE





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 diagnostic 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.

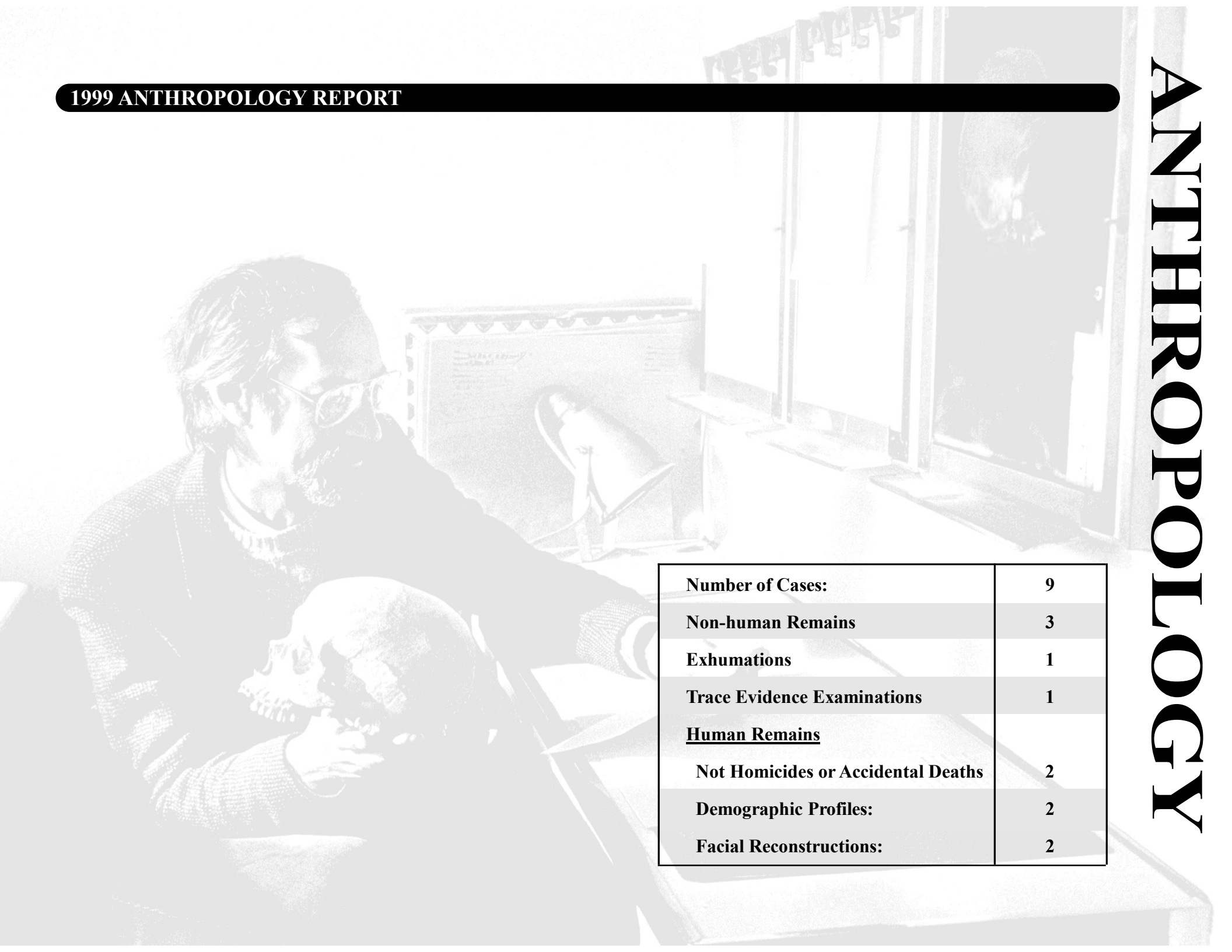
Two thousand fifty-six (2056) radiographs were made in 1999 of inside cases.

Eighty-eight (88) radiographs were made in 1999 of outside cases.

ODONTOLOGY

1999 FORENSIC ODONTOLOGY REPORT

EXAMINATIONS	CUYAHOGA COUNTY CORONER'S CASES	OTHER CORONERS CASES	TOTAL
NUMBER OF CASES EXAMINED	26	4	30
DENTAL CHARTING	20	4	24
INTRA-ORAL X-RAYS	22	4	26
COMPARISON WITH ANTEMORTEM DENTAL RECORDS	20	4	24
EXTRACTIONS FOR AGE ESTIMATIONS	4	0	4
BITE MARK ANALYSIS	1	0	1
FULL DENTURE ANALYSIS	0	0	0
SINGLE TOOTH ANALYSIS	1	0	1

A man with a beard and glasses is shown in a laboratory setting, holding a human skull. In the background, there is a whiteboard with a diagram of a human skull, a desk with a lamp, and a window with a skull hanging on the wall.

Number of Cases:	9
Non-human Remains	3
Exhumations	1
Trace Evidence Examinations	1
<u>Human Remains</u>	
Not Homicides or Accidental Deaths	2
Demographic Profiles:	2
Facial Reconstructions:	2

1999 LECTURES GIVEN BY MEMBERS OF THE STAFF

Elizabeth K. Balraj, M.D., Coroner

- January** Cleveland Police Academy, "Duties and Functions of Cuyahoga County Coroner." (two lectures)
Mothers Against Drunk Driving, "Acute and Chronic Effects of Ethanol."
- February** Park Synagogue East Sisterhood Program, "Dead Men Do Tell Tales."
- April** Twinsburg High School Seniors, "Scientific Evidence Vs The Coroner."
Former Special Agents of FBI, Monthly Meeting, "Cuyahoga County Coroner's Office, Past and Present."
- May** Mt. Sinai Medical Center, Internal Medicine Grandrounds, "Coroner's Investigation and Reportable Deaths."
- July** Turner Construction Company, Engineers, "Tour of the New Coroner's Office and Introduction to Duties and Functions of the Coroner."
- August** Junior Medical Camp from Health Museum, "Duties and Functions of the Cuyahoga County Coroner."
- September** Case Western Reserve University School of Law, "Scientific Evidence."
NSL - Analytical Services, "Role of Toxicology and Trace Evidence Examination in Coroner's Investigation."
- October** True Sisters Inc., "Duties and Functions of the Cuyahoga County Coroner."
New Dimension Pictures, "Filming of Investigation, Body Found in Incinerator for Television Production."
North East Ohio Coroners Regional Meeting, "Setting up Child Death Review Program, An Overview."
- November** Metro Life Flight, "Preservation of Evidence."
Cleveland Police Academy, "Duties and Functions of Cuyahoga County Coroner."
University Hospital Police and Fire Chiefs and ER Directors of Bedford, Ohio, "First Responders at Scene of Sudden and/or Suspicious Deaths, Responsibilities and Jurisdiction."
- December** Cleveland Police Academy, "Duties and Functions of Cuyahoga County Coroner."

1999 LECTURES GIVEN BY MEMBERS OF THE STAFF (continued)

William Z. Bligh-Glover M.D.

Alexander Disease, A continuing education teaching case distributed by the College of American Pathologists/Neuropathology Committee, Northfield, IL

Perinatal Anoxia, A continuing education teaching case distributed by the College of American Pathologists/Neuropathology Committee, Northfield, IL

Purulent Meningitis, A continuing education teaching case distributed by the College of American Pathologists/Neuropathology Committee, Northfield, IL

General Pathology, Seventeen hours of introductory pathology lectures to Sophomores at the Case Western Reserve School of Dentistry including introduction to pathology, environmental pathology, genetics, hematopathology, gastrointestinal pathology, renal pathology, and pathology of the organs of special sense. 1998-99

Neuropathology, 10 hours of laboratory precepting and full-class reviews of the slides for second year medical students at Case Western Reserve University. 1999

Biologic Basis of Disease, 10 hours of general pathology laboratory precepting of first year medical students at Case Western Reserve University. 1999

Hanging Lecture to the Cuyahoga County Coroner's Office staff, 1999

Alcoholic Neuropathology Lecture to the Cuyahoga County Coroner's Office staff, 1999

Alcoholic Neuropathology Lecture to residents and senior staff Institute of Pathology, Case Western Reserve University, 1999

Joseph A. Felo, D.O., Deputy Coroner

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

March Ohio College of Podiatric Medicine, "Gastrointestinal Disease, part I."

Ohio College of Podiatric Medicine, "Gastrointestinal Disease, part II."

MetroHealth Medical Center Pathology Department, "Forensic Pathology Photographic Review."

Case Western Reserve University, School of Medicine, Pulmonary pathology laboratory teacher (5 labs)

1999 LECTURES GIVEN BY MEMBERS OF THE STAFF (continued)

Joseph A. Felo, D.O., Deputy Coroner(continued)

October Case Western Reserve University Biomedical Engineering Department, "Forensic Pathology and the Forensic Pathologist."

November Twinsburg High School, "Introduction to the Forensic Sciences."

January to December

Cuyahoga County Coroner's Office Demonstration Autopsy (7 autopsies)

Carlos Santoscoy Jr., M.D., Deputy Coroner

March Case Western Reserve University, Medical School, Pulmonary Committee

January to December

Cuyahoga County Coroner's Office Demonstration Autopsy

Stanley Seligman, M.D., Deputy Coroner

January - December

Paramedics, "Sudden Deaths."(6 lectures)

Stela Miron, M.D., Deputy Coroner

February Forensic Science Conference at Cuyahoga County Coroner's Office, "Trauma and Pregnancy."

April Forensic Science Conference at Cuyahoga County Coroner's Office, "Fatal Chlorine Poisoning."

Fourth Annual University Hospital Health System's Emergency Symposium, "Forensic Medicine Issues in Managing of Pediatric Cases: From the Scene to the Court House."

June Forensic Science Conference at Cuyahoga County Coroner's Office, "Neurofibromatosis: Case Presentation."

November Forensic Science Conference at Cuyahoga County Coroner's Office, "Fatal Reaction to Control Media."

January to December

Cuyahoga County Coroner's Office Demonstration Autopsy

1999 LECTURES GIVEN BY MEMBERS OF THE STAFF (continued)

Frank Miller, M.D., Deputy Coroner

January - March

Case Western Reserve University, Laboratory Instructor, Biologic Basis of Disease I.

February Annual Meeting of American Academy of Forensic Sciences, Orlando, Florida, Moderator, Best Resident Paper Competition, part I.

October University Hospitals of Cleveland, Clinical Pathology, "Human Identification by DNA methods."

January to December

Cuyahoga County Coroner's Office Demonstration Autopsy (four)

Linda M. Luke, B.S., Trace Evidence Chief Forensic Serologist, DNA Technical Manager Supervisor, DNA Section

January Cleveland Police Academy, "Trace Evidence/DNA".

February Southwest General Hospital "Trace Evidence Collection".

March Oberlin College Part I and II "Trace Evidence/DNA".

Garfield High School - "Trace Evidence".

April Kent State University - "Trace Evidence".

Dave Meyer College - "Trace Evidence".

Richmond Heights - "Trace Evidence".

June Health Museum Students - "Trace Evidence".

Detectives, Patrolmen and Evidence Technicians from the following municipalities were trained in an intensive, hands-on, mock crime scene format:

Olmsted Falls, Brooklyn Heights - "Crime Scene Seminar Workshop".

July Cleveland Lake Front State Park Dive & Rescue Recovery - "Trace Evidence".

Detectives, Patrolmen and Evidence Technicians from the following municipalities were trained in an intensive, hands-on, mock crime scene format:

Westlake, Bay Village, Lakewood, Brooklyn, Seven Hills - "Crime Scene Seminar Workshop".

1999 LECTURES GIVEN BY MEMBERS OF THE STAFF (continued)

Linda M. Luke, B.S., Trace Evidence Chief Forensic Serologist, DNA Technical Manager Supervisor, DNA Section (continued)

- August** Detectives, Patrolmen and Evidence Technicians from the following municipalities were trained in an intensive, hands-on, mock crime scene format:
- North Randall, Warrensville Heights, Highland Hills, Gates Mills, Beachwood, Highland Heights - öCrime Scene Seminar Workshopö.
- September** Detectives, Patrolmen and Evidence Technicians from the following municipalities were trained in an intensive, hands-on, mock crime scene format:
- Brook Park, Fairview Park, Bedford, Glenwillow, Shaker Heights, - öCrime Scene Seminar Workshopö.
- Case Western Law students - öTrace Evidence/DNAö.
- October** Detectives, Patrolmen and Evidence Technicians from the following municipalities were trained in an intensive, hands-on, mock crime scene format:
- Garfield Heights - öCrime Scene Seminar Workshopö.
- November** Detectives, Patrolmen and Evidence Technicians from the following municipalities were trained in an intensive, hands-on, mock crime scene format:
- ODNR Watercraft - öCrime Scene Seminar Workshopö.
- The Cleveland Police Academy - Part I öTrace Evidenceö.
- December** The Cleveland Police Academy - Part II öTrace Evidenceö.

Julie A. Heinig Ph.D., Trace Evidence

- October** Society of Applied Spectroscopy Conference, Cleveland, Ohio, "Forensic science techniques and DNA analysis."

1999 LECTURES GIVEN BY MEMBERS OF THE STAFF (continued)

Sandra A. Caramela-Miller, Ph.D., Developmental and Cognitive Psychologist, Gerontologist, Trace Evidence Department

Project Director and Instructor - Forensic Training Program, Project Director and Research Investigator - Trace Evidence Research Study

August American Psychological Association Annual Convention, Boston, Massachusetts, "Health and Personality in Older Community-Dwelling and Continuing Care Retirement Community (CCRC) Residents."

October Sigma Phi Omega Society, Rockynol Retirement Community, Akron, Ohio, "Older Adults' Preferences for Features and Services in Housing during Later Life: Comparisons of Community Dwelling and Continuing Care Retirement Community (CCRC) Residents."

November The Gerontological Society of America Fifty-Second Annual Scientific Meeting, San Francisco, California, "Importance of a Safe and Secure Community and Personality in Older Adults."

The Gerontological Society of America Fifty-Second Annual Scientific Meeting, San Francisco, California, "Transportation and Personality in Later Life."

Outside Professional Appointments:

Graduate Faculty, Adjunct Instructor at the College of Education, Department of Educational Foundations, The University of Akron.
Adjunct Fellow, The Institute for Life-Span Development and Gerontology, The University of Akron.

Nichole Pawlowski, Trace Evidence

September Detectives, Patrolmen and Evidence Technicians from the following municipalities were trained in an intensive, hands-on, mock crime scene format: Brook Park, Fairview Park and Cleveland Law Enforcement. "Crime Scene Seminar Workshop."

October Detectives, Patrolmen and Evidence Technicians from the following municipalities were trained in an intensive, hands-on, mock crime scene format: South Russell, Chester, Bentleyville and Moreland Hills. "Crime Scene Seminar Workshop."

Detectives, Patrolmen and Evidence Technicians from the following municipalities were trained in an intensive, hands-on, mock crime scene format: Bedford, Maple Heights, Glenwillow, Walton Hills and Cleveland Metroparks Law Enforcement. "Crime Scene Seminar Workshop."

November Detectives, Patrolmen and Evidence Technicians from the following municipalities were trained in an intensive, hands-on, mock crime scene format: South Euclid. "Crime Scene Seminar Workshop."

Ronald L. Cechner, Ph.D. Computer Department Consultant

January Department of Anesthesiology University Hospital Cleveland, Case Western Reserve University. "Uptake, distribution, and toxicity of Inhaled Volatile Anesthetics I and II."

School of Dentistry Case Western Reserve University, "Local Anesthetics in Dentistry."

1999 LECTURES GIVEN BY MEMBERS OF THE STAFF (continued)

Toxicology Department

January: Jenkins, A.J.: Forensic Toxicology-Interaction with law enforcement. Cleveland Police Department, Academy Class of 1999, Cleveland OH, Sessions 1 and 2, January 11 and 14, 1999.

February: Jenkins, A.J., Lavins, E., Miron, S., and Challener, R.: Unusual distribution of morphine in biological matrices after drug delivery with an infusion system. American Academy of Forensic Sciences 51st Annual Meeting, February 15-20, 1999, Orlando, FL.

Wogoman H.M., Sebrosky, G., and Jenkins, A.J.: Evaluation of the Stomacher® Model Mark II and a commercial laboratory blender in producing homogenous tissue samples for post mortem drug analysis. American Academy of Forensic Sciences 51st Annual Meeting, February 15-20, 1999, Orlando, FL.

July: Jenkins, A.J.: Forensic Toxicology. Cleveland Lakefront State Park Dive Rescue and Evidence Recovery Team, July 19, 1999.

September: Jenkins, A.J. and Sebrosky, G. : Amantadine Intoxication: Disposition of amantadine in a fatal overdose and review of the literature. 37th International Association of Forensic Toxicologists Triennial Meeting, September 5-9, 1999, Cracow, Poland.

October: Engelhart, D.A., and Jenkins, A.J.: Q.E.D.® saliva alcohol testing in post mortem cases. Society of Forensic Toxicologists Annual Meeting, October 9-14, 1999, San Juan, Puerto Rico.

Smith, M.L., Paul, B.D., Summers, J., Moore, K.A., Jenkins, A.J., Darwin, W.D., Cone, E.J., Nichols, D., and Armitage, E.K.: Evaluation of six screening methods for opiates in urine. Society of Forensic Toxicologists Annual Meeting, October 9-14, 1999, San Juan, Puerto Rico.

November: Jenkins, A.J.: Forensic Toxicology. Clinical Pathology Conference Series. Department of Pathology, School of Medicine, Case Western Reserve University, Cleveland, OH, November 11, 1999.

December: Jenkins, A.J.: Forensic Toxicology. In Fall 1999 Seminar Program, Department of Chemistry, John Carroll University, University Heights, OH, December 8, 1999.

1999 INTERNS

January-April: Cynthia Homer, John Carroll University, University Heights, OH [INTERNSHIP].

February: Kara Zone, Polaris Career Center, Middleberg Heights, OH [SHADOWING EXPERIENCE].

October: Erica Wilson, MD, Case Western Reserve University School of Medicine Pathology Resident Program, Cleveland, OH [ELECTIVE].

1999 LECTURES GIVEN BY MEMBERS OF THE STAFF (continued)

Toxicology Department(Continued)

- November** Jenkins, A.J.: Forensic Toxicology. Clinical Pathology Conference Series. Department of Pathology, School of Medicine, Case Western Reserve University, Cleveland, OH, November 11, 1999.
- December** Jenkins, A.J.: Forensic Toxicology. In Fall 1999 Seminar Program, Department of Chemistry, John Carroll University, University Heights, OH, December 8, 1999.

C. Owen Lovejoy, M.D. Anthropology Consultant

- April** "Interpreting the hominid postcranial skeleton: ontogeny and phylogeny" Leica Lecture; The Linnean Society of London and the Centre for Ecology and Evolution of University College, London.
- Recent paradigm shifts in the study of the musculoskeletal system. Departments of Biology and Anthropology. Indiana University, Bloomington, Sept., 1999.

Kathy Spinos, Purchasing

- July** Cleveland Science Summer Camp, "Overview of the Coroner's Office."
- September** Analytical Services, Inc., "Overview of the Coroner's Office."

James Wentzel, Forensic Photographer

- February** "The State of Ohio vs. Lamont Clark and other Computer Reconstructions". Slide presentation and lecture regarding expert testimony for Evidence Class at the University of Akron Law School; Akron, Ohio.
- May** "Forensic Photography". Slide presentation and lecture to members of the Watterø Science Seminar at Lakewood High School, Lakewood, Ohio.
- June** "Crime and Accident Scene Documentation". Detectives, Patrolman and Evidence Technicians from Olmsted Falls and Brooklyn Heights were trained in an intensive, hands-on, mock crime scene format.
- July** "Crime and Accident Scene Documentation". Detectives, Patrolman and Evidence Technicians from Westlake, Bay Village, Lakewood, Brooklyn, and Seven Hills were trained in an intensive, hands-on, mock crime scene format.
- August** "Crime and Accident Scene Documentation". Detectives, Patrolman and Evidence Technicians from North Randall, Warrensville Heights, Highland Hills, Gates Mills, Beachwood, and Highland Heights were trained in an intensive, hands-on, mock crime scene format.
- "Forensic Photography". Lecture and workshop for officers of University Hospital Protective Services, University Hospitals; Cleveland, Ohio.

1999 LECTURES GIVEN BY MEMBERS OF THE STAFF (continued)

James Wentzel, Forensic Photographer

- September** "Crime and Accident Scene Documentation." Detectives, Patrolman and Evidence Technicians from Parma Heights and Broadview Heights were trained in an intensive, hands-on, mock crime scene format.
- October** "Crime and Accident Scene Documentation." Detectives, Patrolman and Evidence Technicians from Garfield Heights were trained in an intensive, hands-on, mock crime scene format.

1999 Forensic Photography Intern

- Oct. - Dec.** Christine Sashko, Cuyahoga Community College (Western Campus), Parma, OH [INTERNSHIP].

1999 PUBLICATIONS BY MEMBERS AND ASSOCIATES OF THE STAFF

Cole, Stephen D., **Balraj, Elizabeth K.**, and Bell, Michael: Sudden Death Due to Ventricular Septal Defect. *Pediatric and Developmental Pathology* 2, 327-332 (1999) (1999 Society for Pathology)

Bligh-Glover, William, Kolli, Tamara N., Kulnane, Laura Shapiro, Dilley, Ginny E., Friedman, Lee, **Balraj, Elizabeth K.**, Rajkowska, Garzyna and Stockmeier, Craig A.: The Serotonin Transporter in the Midbrain of Suicide Victims With Major Depression, *Biological Psychiatry* Accepted 12/13/99

Heinig, J.A., Keeley, F.W., Kawauchi, H. and Youson, J.H.: "Expression of proopiomelanotropin and proopiomelanotropin during the life cycle of the sea lamprey. (*Petromyzon marinus*). " *J. Exp. Zool.*, 283: 95-101, 1999

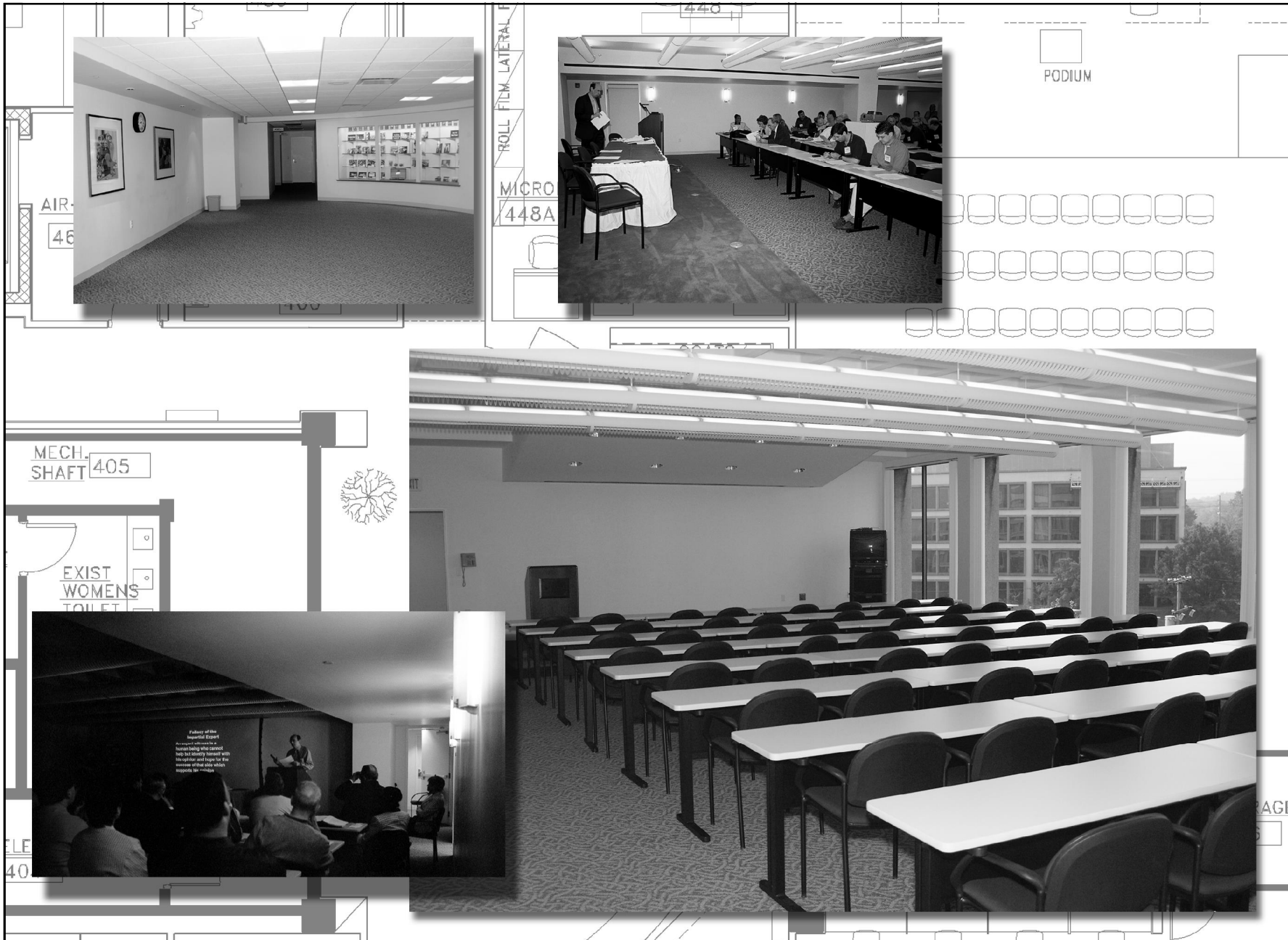
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Levine, B., **Jenkins, A.J.**, Chute, D., and Smialek, J.E.: Perphenazine distribution in a postmortem case. *J. Anal. Toxicol.* 23 (2): 127-129 (1999).

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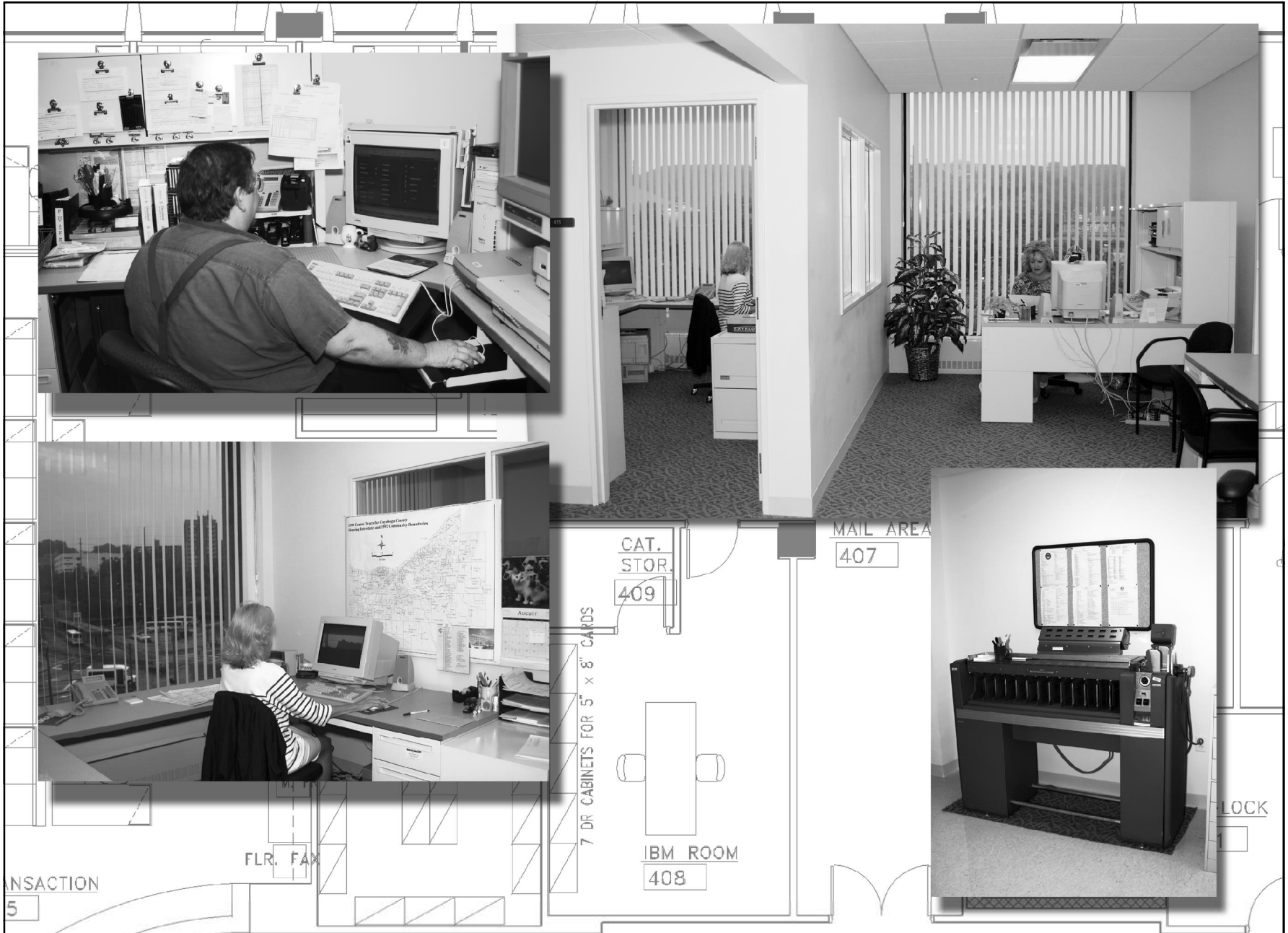
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1999 PUBLICATIONS BY MEMBERS AND ASSOCIATES OF THE STAFF (continued)

- Jenkins, A.J.**, Levine, B., Titus, J. and Smialek, J.E.: The interpretation of cocaine and benzoylecgonine concentrations in postmortem cases. *Forensic Sci. Int.* 101: 17-25 (1999).
- Goldberger, B.A., and **Jenkins, A.J.**: Drug Toxicology. In Sourcebook on Substance Abuse Etiology Epidemiology Assessment and Treatment. P.J. Ott, R.E. Tartar and R.T. Ammerman, eds. 1999 Allyn & Bacon Needham Heights MA.
- Jenkins A.J.**: Forensic Drug Testing. In *Principles of Forensic Toxicology*. B. Levine, ed. 1999 AACC Press Inc. Washington DC.
- Jenkins A.J.**: Hallucinogens. In *Principles of Forensic Toxicology*. B. Levine, ed. 1999 AACC Press Inc. Washington DC.
- Walker, R.A. and **Lovejoy, C.O.**: A survey of remodeling in the vertebrate skeleton, part II, *Am. J. Phys. Anthro.*, Supp 28: 272, 1999
- Rosenman, B.A., **Lovejoy, C.O.** and Spurlock, L.B.: A reconstruction of the Sts 14 pelvis, and the obstetrics of Australopithecus. *Am. J. Phys. Anthro.*, Supp 28: 235, 1999
- York, H.P., **Lovejoy, C.O.** and Meindl R.S.: Age changes in the auricular surface of the sacroiliac joint in *Macaca mulatta*. *Am. J. Phys. Anthro.*, Supp 28: 283, 1999
- Reno, P.L., **Lovejoy, C.O.**, Kern, K.F., Simpson, S.W. and Meindl, R.S.: Estimation of sexual dimorphism in fossil species including *Australopithecus afarensis*: A new technique and tests of its accuracy using extant hominoids. *Am. J. Phys. Anthro.*, Supp 28: 272, 1999
- Aswaf, B., White, T., **Lovejoy, C.O.**, Latimer, B., Simpson, S. and Suwa, G.: *Australopithecus garhi*: A new species of early hominid from Ethiopia, *Science* 284: 629-635, 1999
- Asfaw, B.T., T.D. White, **C.O. Lovejoy**, B. Latimer, S. Simpson, and G. Suwa. 1999 Cladistics and early hominid phylogeny: Response to Strait and Grine. *Science* 285: 1209-1210.
- Lovejoy, C.O.**, Martin J. Cohn, and Tim D. White. 1999 Morphological analysis of the mammalian postcranium: A developmental perspective. *Proc. Nat. Acad. Sci.* 96: 13247-13252.
- Lovejoy, C.O.**, Martin J. Cohn, and Tim D. White. N.D. 1999 The evolution of mammalian morphology: A developmental perspective. In: Development, Growth and Evolution, edited by M.J. Cohn and P. O'Higgins. *Academic Press*, pp. 41-55.



2000 CORONER'S STAFF



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**THE 1999 CORONER'S STATISTICAL REPORT
HAS BEEN PREPARED BY:**

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BARBARA HARRELL	Statistical Data and Proof Reading
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CHRISTINE SASHKO	Photographs
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JAMES WENTZEL	Desktop Publishing, Graphic Design, Photographs, Illustrations and Cover
DONALD W. WHITECOTTON	Statistical Data

On the Cover: The University Circle neighborhood of Cleveland, Ohio as photographed from the sixth floor of the new Office of the Cuyahoga County Coroner. The construction in the upper right corner of the front cover photograph is taking place at the site of the Cuyahoga County Coroner's old facility. The front and back covers, when viewed together, are a single panorama photograph created by using a Kodak DCS 460 color digital camera and Apple's QuickTime VR Authoring Studio software.



University Circle, Cleveland

