



**Coroner's Statistical Report
Cuyahoga County, Ohio**

1997

**CUYAHOGA COUNTY
CORONER'S STATISTICAL REPORT**

1997

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

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

NUMBER OF CASES

1997 NUMBER OF CORONER'S CASES

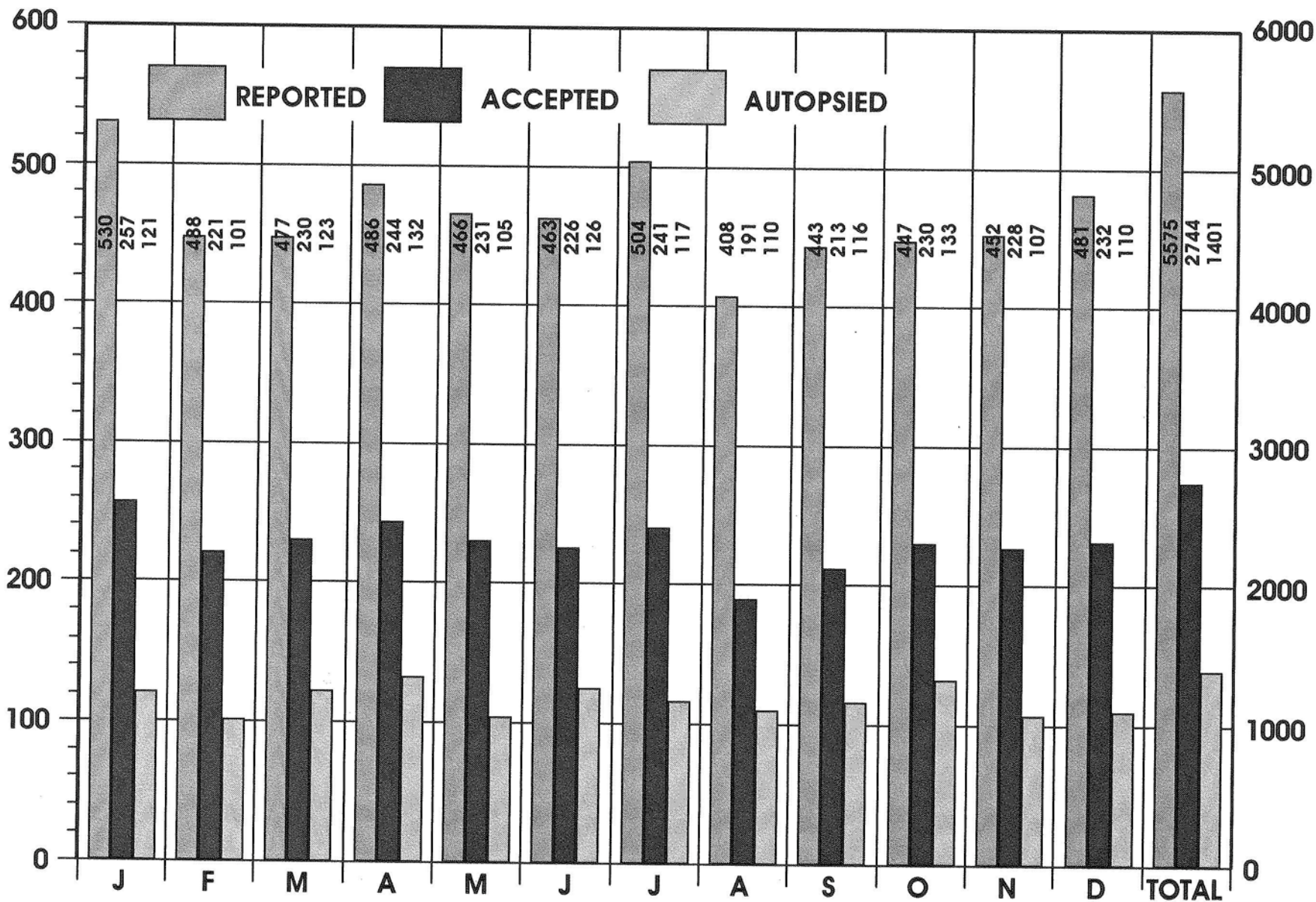


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Coding is classified in Volume 1 and 2 - Ninth Revision of the International Classification of Diseases, World Health Organization.



Elizabeth K. Balraj, M.D.
Coroner

The Fifty-ninth Annual Report of the Cuyahoga County Coroner's Office has been prepared in accordance with our tradition of service to our Community. All Sudden Deaths, Suspicious Deaths and Deaths due to Violence that occurred in 1997 were investigated. Investigation of all deaths that fit these categories are important. Special attention however should be drawn to the investigation of deaths of children who without a doubt form an extremely important segment of our society. The results of these investigations afford the opportunity to explore and identify the reasons for these tragedies. More importantly they aid in implementing policies and procedures which will attempt to prevent future child deaths and ensure the safety of the youngest members of our society. In recognition of the tremendous efforts made in the investigation of deaths of children, this year's Annual Report is dedicated to all those who are involved in safeguarding the health and welfare of all children in our community.



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..."

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

AVAILABILITY OF PUBLIC RECORD

Section 149.43(A) As used in this section:

(1) "Public record" means any record that is required to be kept by any governmental unit, including, but not limited to, state, county, city, village, township, and school district units, except 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

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

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

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

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

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

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

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

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

WHAT IS A CORONER'S CASE? (continued)

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 cop-

ies of records and such other information as is necessary from the office of the coroner. All records of the coroner are the property of the county.

RECORDS TO BE PUBLIC; CERTIFIED COPIES AS EVIDENCE

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

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

WHO REPORTS THE DEATH TO THE CORONER'S OFFICE?

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

Section 313.11 (A) No person shall, without an order from the coroner, purposely remove or disturb the body of any person who has died in the manner described in section 313.12 of the Revised Code, or purposely and without such an order disturb the clothing or any article upon or near such a body or any of the posses-

WHAT IS A CORONER'S CASE? (continued)

sions which the coroner has a duty to store under Section 313.14 of the Revised Code.

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

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

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

WHAT IS A CORONER'S CASE? (continued)

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 IS A CORONER'S CASE? (continued)

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 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 per-

form 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

WHAT IS A CORONER'S CASE? (continued)

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.

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

Section 2108.02. (A) Any individual of sound mind and eighteen years of age or more may give all or

any part of his body for any purpose specified in section 2108.03 of the Revised Code the gift to take effect upon his death.

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

- (1) The spouse;
- (2) An adult son or daughter;
- (3) Either parent;
- (4) An adult brother or sister;
- (5) A guardian of the person of the decedent at the time of his death;

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

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

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

(E) The rights of the donee created by the gift are paramount to the rights of others except that a coroner, or in his absence, a deputy coroner, who has, under section 313.13 of the Revised Code, taken charge of the decedent's dead body and decided that an autopsy is necessary, has 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 coronary 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

WHAT IS A CORONER'S CASE? (continued)

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 Re-

vised 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 per-

son of the decedent at the time of death, any other person authorized or under obligation to dispose of the body.

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

**PHYSICAL ABUSE AND NEGLECT OF CHILDREN
(BATTERED CHILD SYNDROME)**

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

Section 2151.421 Any attorney, physician, including a hospital intern or resident, dentist, podiatrist, practitioner of a limited branch of medicine or surgery as defined in section 4731.15 of the Revised Code, registered or licensed practical nurse, visiting nurse, or other health care professional, licensed psychologist, speech pathologist or audiologist, coroner, administrator or employee of a certified child 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 rea-

sonably 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 radio-

WHAT IS A CORONER'S CASE? (continued)

logical examination of the child.

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

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

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

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

tion, 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

WHAT IS A CORONER'S CASE? (continued)

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 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

WHAT IS A CORONER'S CASE? (continued)

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.

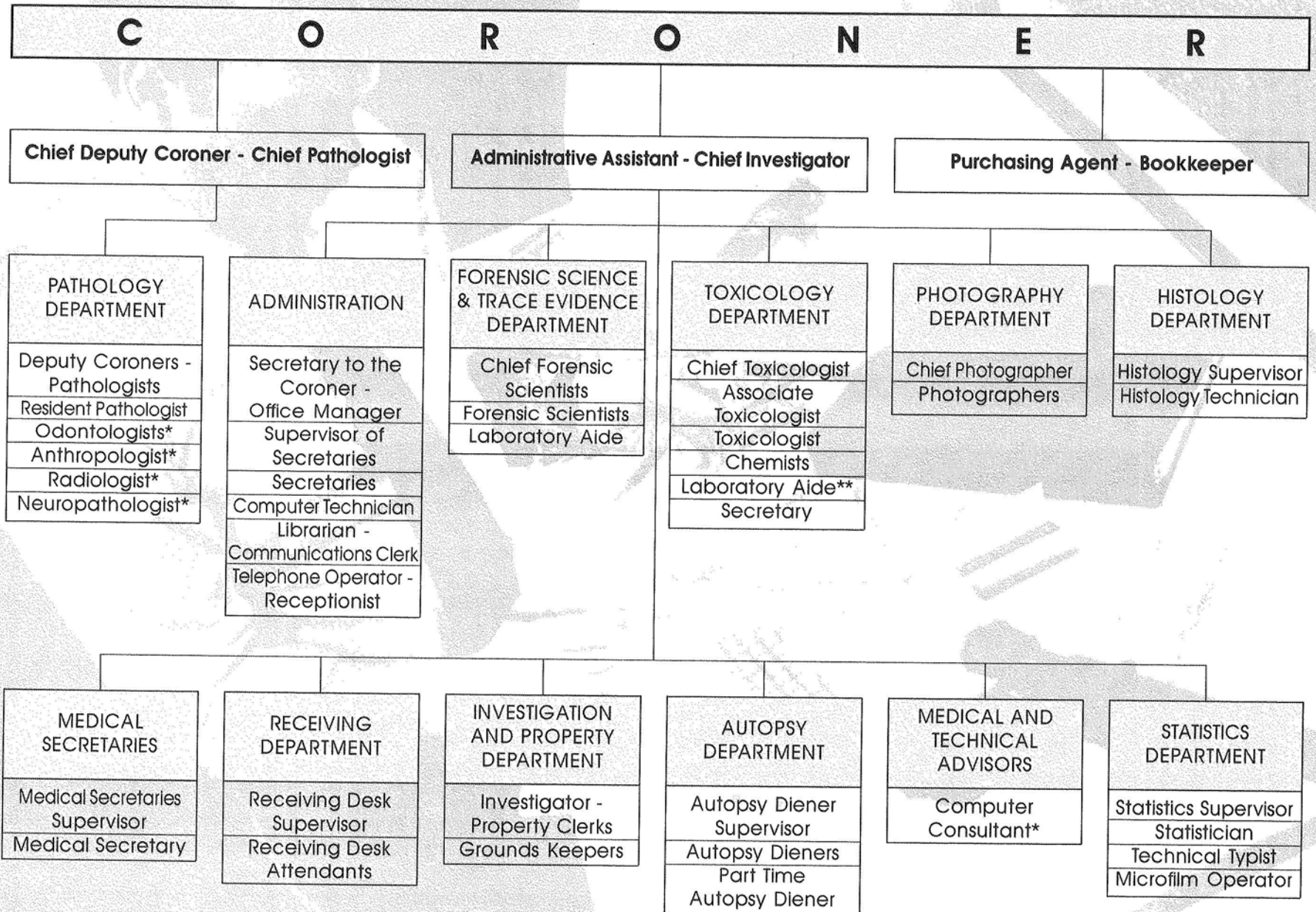
(G) Whoever violates division (A) or (B) of this section is guilty of failure to report a crime. Violation of division (A) of this section is a misdemeanor of the fourth degree. Violation of division (B) of this section is a misdemeanor of the second degree.

(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 1997 CORONER'S STAFF (continued)

CORONER 1

PATHOLOGY DEPARTMENT

Chief Deputy Coroner - Chief Pathologist 1
 Deputy Coroners - Pathologists 5
 Resident Pathologist 2
Odontologists 2
Anthropologist 1
Radiologist 1
Neuropathologist 1

ADMINISTRATION

Administrative Assistant - Chief Investigator 1
 Purchasing Agent - Bookkeeper 1
 Secretary to the Coroner - Office Manager 1
 Supervisor of Secretaries 1
 Secretaries 6
 Computer Technician 1
 Librarian - Communications Clerk 1
 Telephone Operator - Receptionist 1

FORENSIC SCIENCE & TRACE EVIDENCE DEPARTMENT

Chief Forensic Scientists 2
 Forensic Scientist 3
 Forensic Serologist 1
 Laboratory Aide 1

TOXICOLOGY DEPARTMENT

Chief Toxicologist 1
 Associate Toxicologist 1
 Toxicologist 1
 Chemists 6
 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 1

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

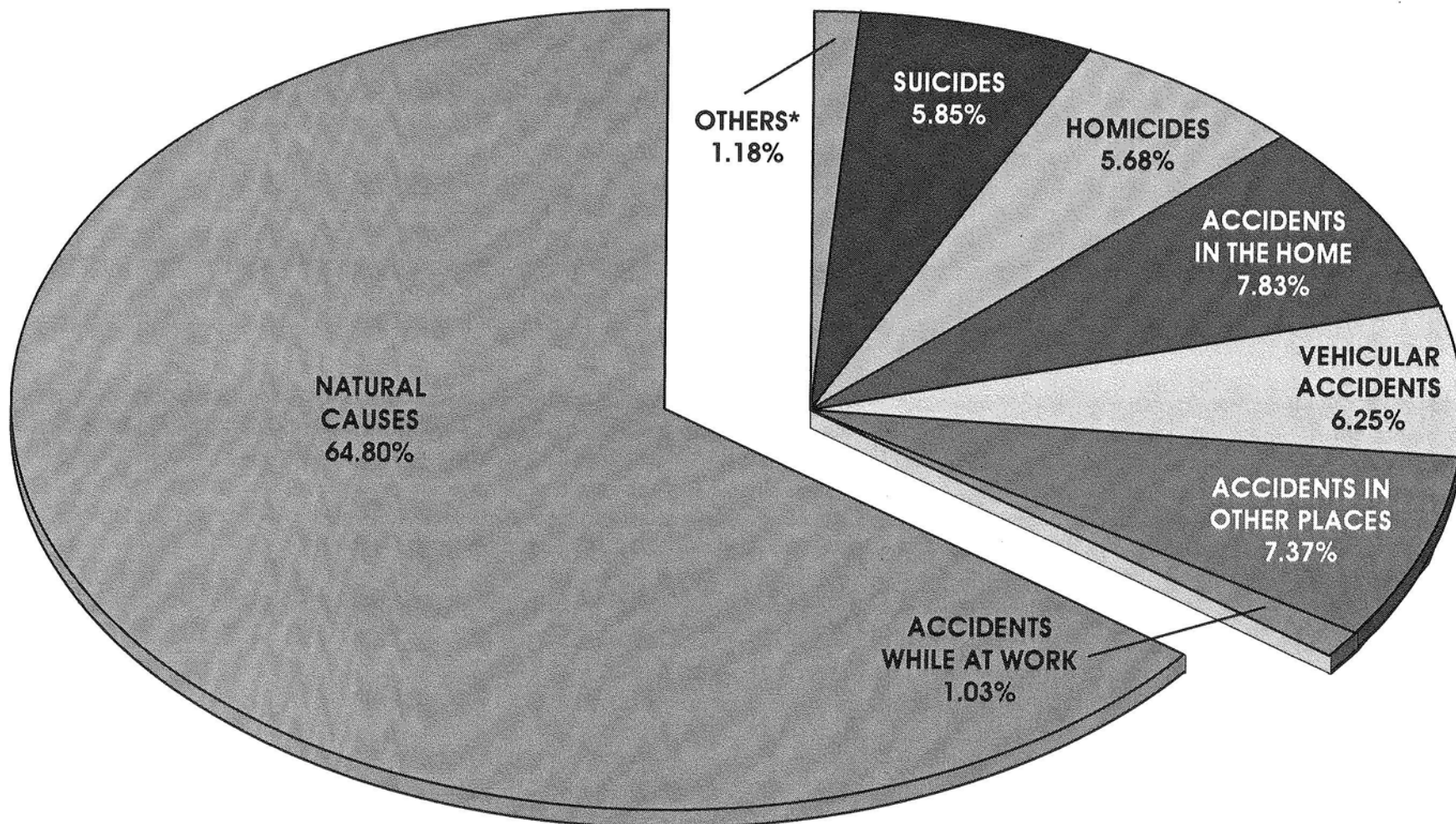
Total Full Time Employees 62

Total Part Time Employees 4

TOTAL (CORONER AND STAFF) 71

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

175,092 CASES (1943 - 1997)

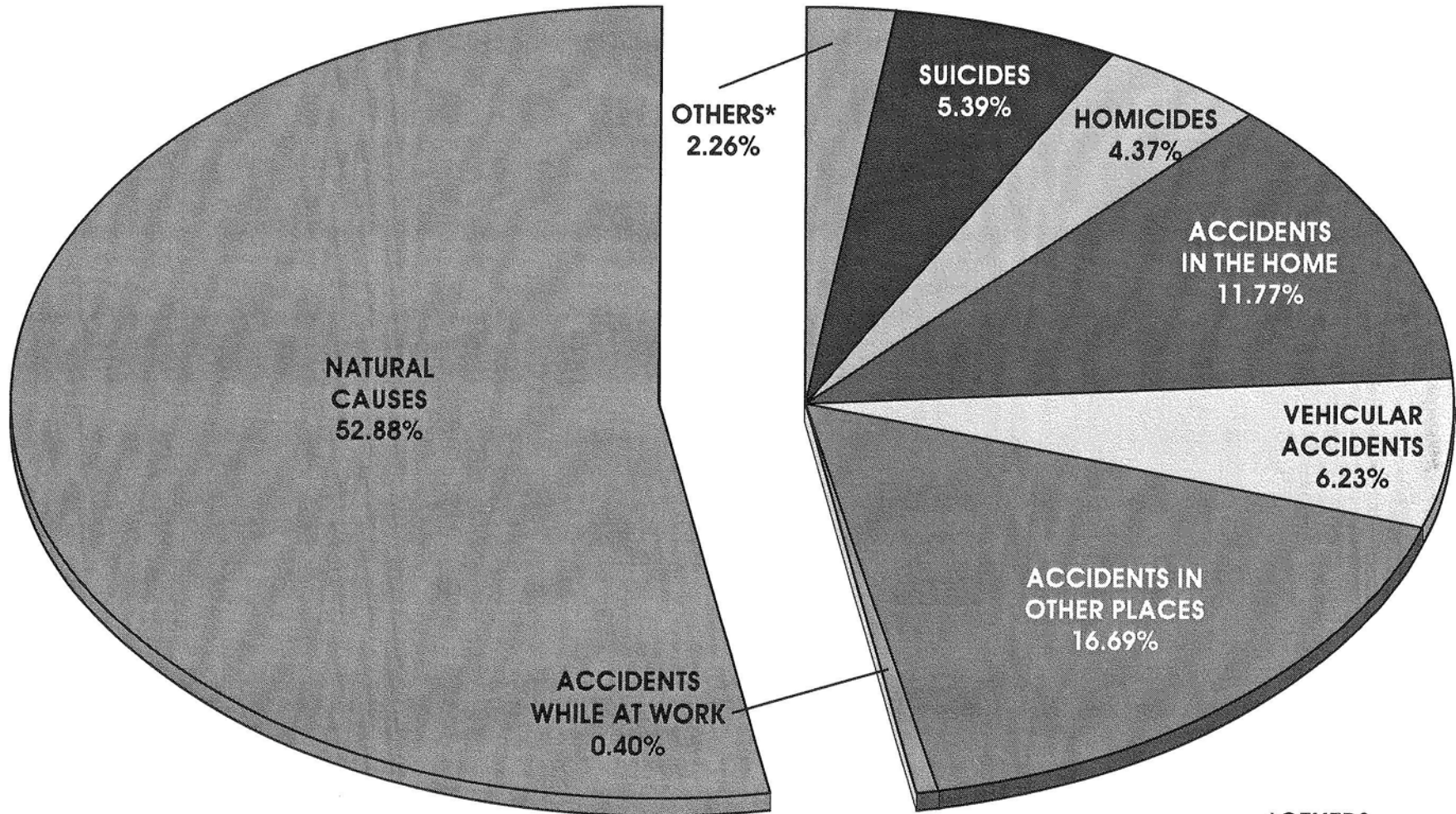


DEATHS FROM ACCIDENTS: 22.48%
 HOMICIDES, SUICIDES AND DEATHS FROM ACCIDENTS: 34.01%
 DEATHS FROM VIOLENCE: 34.56%
 DEATHS FROM NATURAL CAUSES: 65.44%

***OTHERS**
 ABORTIONS: 0.04%
 UNDETERMINED CAUSES: 0.17%
 VIOLENCE OF UNDETERMINED ORIGIN: 0.55%
 NEONATAL AND INTRA-UTERINE DEATHS: 0.42%
TOTAL: 1.18%

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

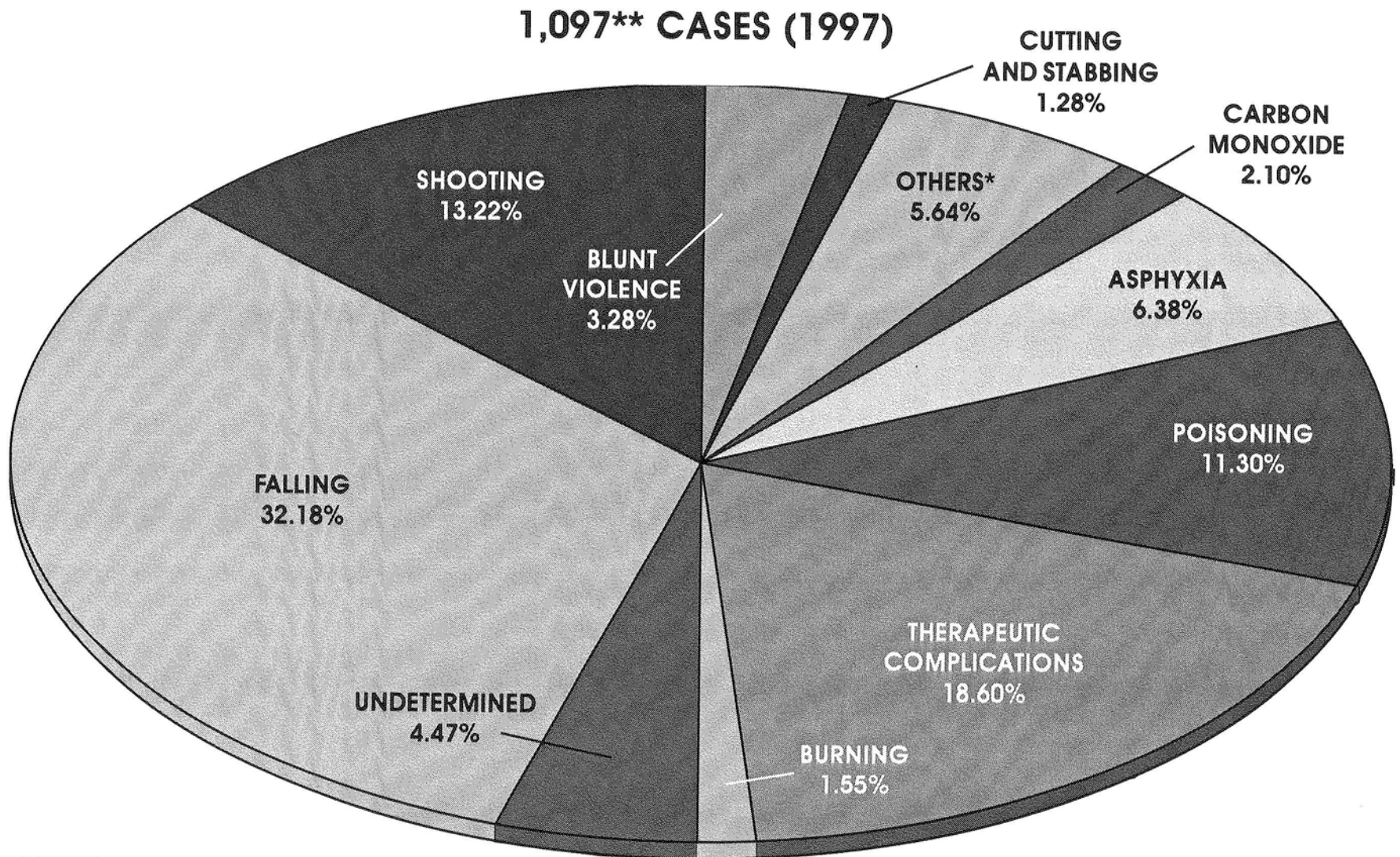
2,744 CASES (1997)



DEATHS FROM ACCIDENTS: 35.09%
 HOMICIDES, SUICIDES AND DEATHS FROM ACCIDENTS: 44.86%
 DEATHS FROM VIOLENCE: 46.21%
 DEATHS FROM NATURAL CAUSES: 53.79%

***OTHERS**
 ABORTIONS: 0.00%
 UNDETERMINED CAUSES: 0.07%
 VIOLENCE OF UNDETERMINED ORIGIN: 1.35%
 NEONATAL AND INTRA-UTERINE DEATHS: 0.84%
TOTAL: 2.26%

FATALITIES RESULTING FROM VIOLENCE
MODE OF OCCURRENCE 1997**



***OTHERS**

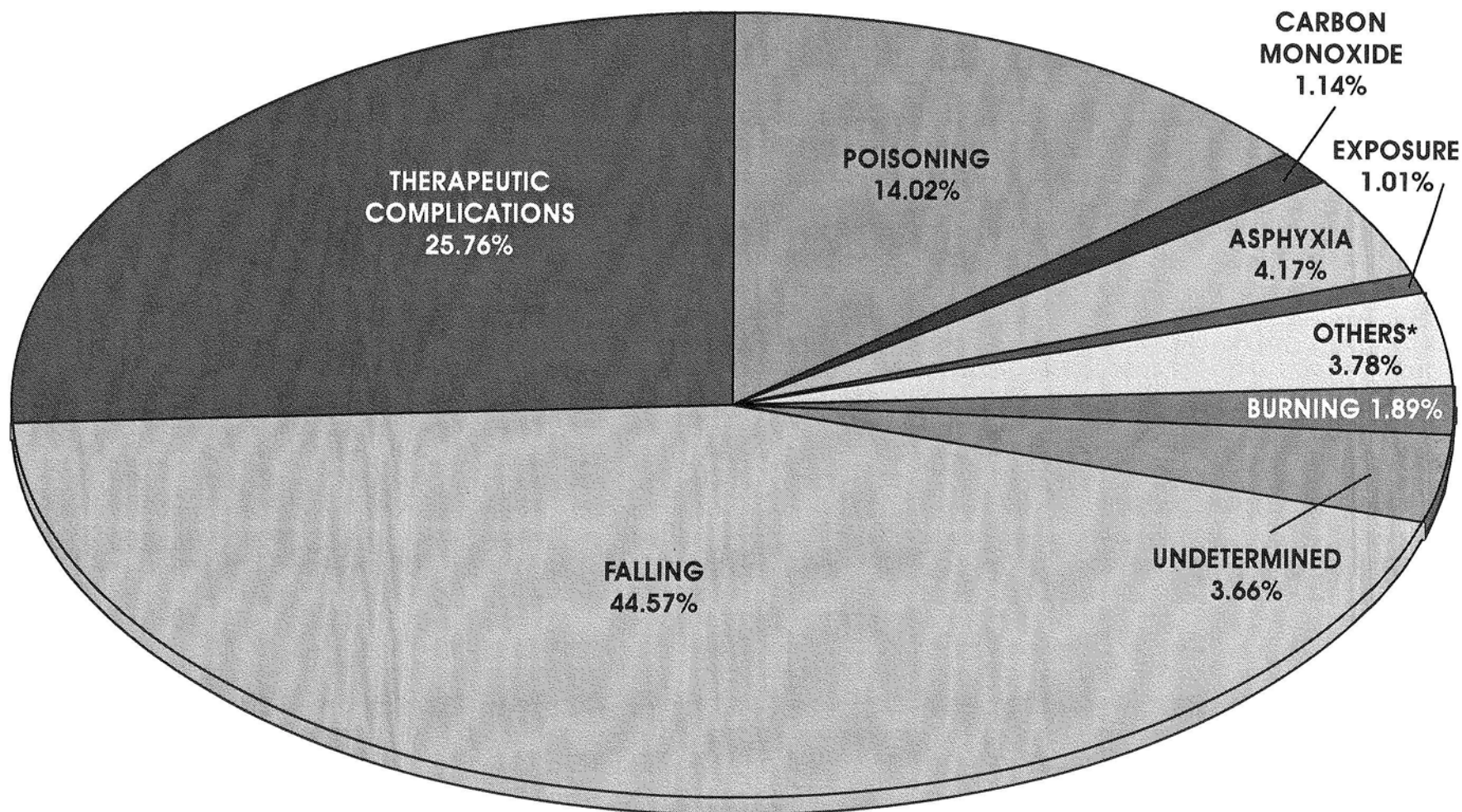
ARSON, BOATING ACCIDENT, CRUSHING, EXPLOSION, EXPOSURE, SMOTHERING, STRANGULATION, STRUCK BY OBJECT, STRUCK BY TRAIN, AND OTHERS.

****EXCLUDING VEHICULAR ACCIDENTS.**

FATALITIES RESULTING FROM ACCIDENTS**

MODE OF OCCURRENCE 1997

792 CASES (1997)



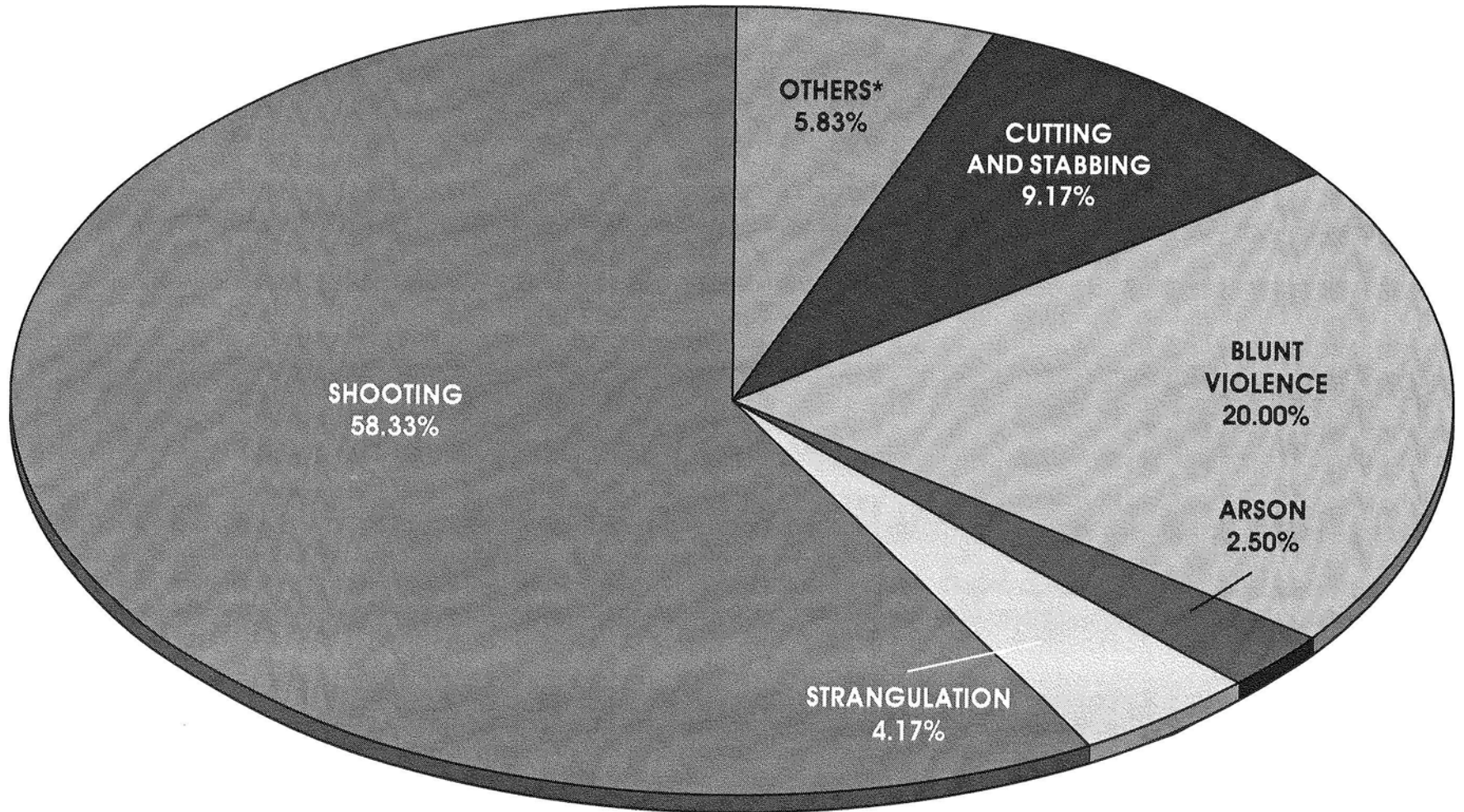
***OTHERS**

BOATING ACCIDENT, CRUSHING, EXPLOSION, SHOOTING, STABBING, STRUCK BY OBJECT, TRAIN ACCIDENT, AND OTHERS.

****EXCLUDING VEHICULAR ACCIDENTS.**

**FATALITIES RESULTING FROM HOMICIDES
MODE OF OCCURRENCE 1997**

120 CASES (1997)

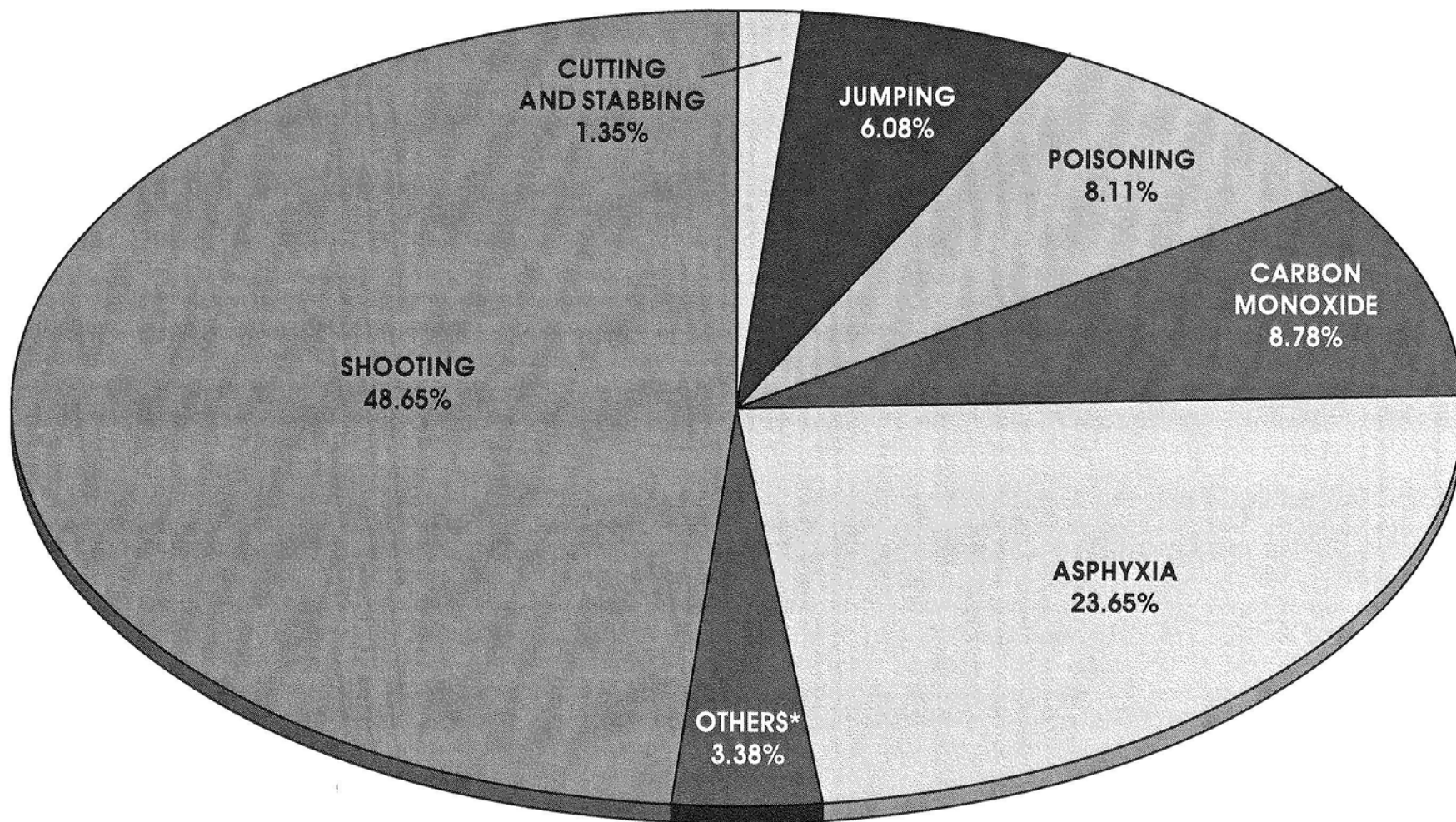


***OTHERS**
AUTO ACCIDENTS, BURNING, EXPLOSION, SMOTHERING, AND UNDETERMINED.

FATALITIES RESULTING FROM SUICIDES

MODE OF OCCURRENCE 1997

148 CASES (1997)



***OTHERS**
BURNING AND STRUCK BY TRAIN.

TABLE A

TYPES OF FATALITIES AND MISCELLANEOUS INFORMATION/1996 AND 1997

	1996	1997
ACCIDENTS IN THE HOME	285	323
ACCIDENTS WHILE AT WORK	15	11
VEHICULAR ACCIDENTS	152	171
ACCIDENTS IN OTHER PLACES	438	458
HOMICIDES	144	120
SUICIDES	151	148
VIOLENCE OF UNDETERMINED ORIGIN	21	37
TOTAL VIOLENT DEATHS	1206	1268
NATURAL CAUSES	1529	1451
ABORTIONS	0	0
NEONATAL AND INTRA-UTERINE DEATHS	30	23
UNDETERMINED CAUSES	3	2
CASES REPORTED - ADMITTED	2768	2744
CASES REPORTED - NOT ADMITTED	2815	2831
AUTOPSIES (HOSPITALS INCLUDED)	1402*	1499**
AUTOPSIES PERFORMED FOR OTHER COUNTIES	138	108
UNIDENTIFIED BODIES	0	3
UNIDENTIFIED FOETUSES	0	0
IDENTIFIED, UNCLAIMED, AND DONATED	44	27
DEATHS IN CUYAHOGA COUNTY	15,176	N.A.
PERCENTAGE OF DEATHS ADMITTED	18.24%	N.A.

*Includes 98 Autopsies performed at hospitals.

**Includes 98 Autopsies performed at hospitals.

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

1997 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	323	190	133	246	77	178	6.49
ACCIDENTS WHILE AT WORK	11	11	0	9	2	11	0.40
VEHICULAR ACCIDENTS	171	112	59	131	40	166	6.05
ACCIDENTS IN OTHER PLACES	458	238	220	373	85	179	6.52
HOMICIDES	120	93	27	32	88	120	4.37
SUICIDES	148	121	27	118	30	146	5.32
VIOLENCE OF UNDETERMINED ORIGIN	37	26	11	21	16	37	1.35
NATURAL CAUSES	1451	876	575	973	478	640	23.32
ABORTIONS	0	0	0	0	0	0	0.00
NEONATAL AND INTRA-UTERINE DEATHS	23	16	7	7	16	20	0.73
UNDETERMINED CAUSES	2	2	0	2	0	2	0.07
GRAND TOTAL	2744	1685	1059	1912	832	1499	54.63

*Includes 98 Autopsies performed at hospitals.

TABLE C

TYPES OF FATALITIES - 1996 AND 1997 INCIDENCE COMPARED

	PERCENTAGE OF TOTAL CASES ADMITTED	
	1996	1997
ACCIDENTS IN THE HOME	10.30	11.77
ACCIDENTS WHILE AT WORK	0.54	0.40
VEHICULAR ACCIDENTS	5.49	6.23
ACCIDENTS IN OTHER PLACES	15.82	16.69
HOMICIDES	5.20	4.37
SUICIDES	5.46	5.39
VIOLENCE OF UNDETERMINED ORIGIN	0.76	1.35
TOTAL OF VIOLENT DEATHS	43.57	46.21
NATURAL CAUSES	55.24	52.88
ABORTIONS	0.00	0.00
NEONATAL AND INTRA-UTERINE DEATHS	1.08	0.84
UNDETERMINED CAUSES	0.11	0.07

1997 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	323	200	61.92	56	28.00
ACCIDENTS WHILE AT WORK	11	11	100.00	0	0.00
VEHICULAR ACCIDENTS	171	160	93.57	47	29.37
ACCIDENTS IN OTHER PLACES	458	141	30.79	23	16.31
TOTAL	963	512	53.17	126	24.61
HOMICIDES	120	115	95.83	34	29.57
SUICIDES	148	145	97.97	46	31.72
VIOLENCE OF UNDETERMINED ORIGIN	37	37	100.00	8	21.62
TOTAL	1268	809	63.80	214	26.45
NATURAL CAUSES	1451	1259	86.77	127	10.09
ABORTIONS	0	0	0.00	0	0.00
NEONATAL AND INTRA-UTERINE	23	9	39.13	0	0.00
UNDETERMINED CAUSES	2	2	100.00	1	50.00

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TABLE E 1997 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	4	1	8	4	3	0	5	2	20	7
MONDAY	0	0	9	2	1	1	5	1	15	4
TUESDAY	1	0	14	7	6	3	3	0	24	10
WEDNESDAY	0	0	11	2	4	0	5	1	20	3
THURSDAY	0	0	10	4	5	0	5	1	20	5
FRIDAY	2	0	12	3	2	0	2	0	18	3
SATURDAY	3	2	18	6	12	5	6	2	39	15
TOTAL	10	3	82	28	33	9	31	7	156	47

(1) See Table 59A

(2) See Table 58 and 59

(3) See Table 60

(4) See Table 61

1997 SUMMARY CHART - CUYAHOGA COUNTY

DISTRIBUTION OF SELECTED CORONER'S CASES IN EACH MUNICIPALITY

TABLE F

CITIES	TOTAL INSIDE CASES		NATURAL CAUSES		HOME, WORK AND OTHER FATALITIES		VEHICULAR FATALITIES		HOMICIDES		SUICIDES	
	Number of Cases	Percentage of Cases	Number of Cases	Percentage of Cases	Number of Cases	Percentage of Cases	Number of Cases	Percentage of Cases	Number of Cases	Percentage of Cases	Number of Cases	Percentage of Cases
Cleveland	1380	50.29	750	54.35	383	27.75	57	4.13	84	6.09	58	4.20
Bay Village	8	0.29	4	50.00	4	50.00	0	0.00	0	0.00	0	0.00
Beachwood	23	0.84	7	30.43	14	60.87	1	4.35	0	0.00	1	4.35
Bedford	41	1.49	31	75.61	4	9.76	2	4.88	1	2.44	2	4.88
Bedford Heights	10	0.36	4	40.00	4	40.00	0	0.00	0	0.00	2	20.00
Berea	18	0.66	8	44.44	6	33.33	1	5.56	1	5.56	2	11.11
Brecksville	7	0.26	4	57.14	2	28.57	0	0.00	0	0.00	1	14.29
Broadview Heights	5	0.18	4	80.00	0	0.00	0	0.00	0	0.00	1	20.00
Brooklyn	14	0.51	2	14.29	3	21.43	5	35.71	0	0.00	3	21.43
Brook Park	24	0.87	8	33.33	9	37.50	3	12.50	0	0.00	4	16.67
Cleveland Heights	33	1.20	11	33.33	12	36.36	4	12.12	2	6.06	4	12.12
East Cleveland	88	3.21	52	59.09	18	20.45	3	3.41	14	15.91	1	1.14
Euclid	86	3.13	52	60.47	21	24.42	4	4.65	3	3.49	5	5.81
Fairview Park	16	0.58	8	50.00	5	31.25	1	6.25	0	0.00	1	6.25
Garfield Heights	64	2.33	45	70.31	15	23.44	0	0.00	2	3.12	2	3.12
Highland Heights	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Independence	8	0.29	3	37.50	1	12.50	3	37.50	0	0.00	1	12.50
Lakewood	84	3.06	47	55.95	20	23.81	2	2.38	1	1.19	11	13.10
Lyndhurst	8	0.29	4	50.00	4	50.00	0	0.00	0	0.00	0	0.00
Maple Heights	22	0.80	9	40.91	9	40.91	2	9.09	0	0.00	1	4.55
Mayfield Heights	72	2.62	43	59.72	25	34.72	0	0.00	0	0.00	4	5.56
Middleburg Heights	85	3.10	70	82.35	12	14.12	2	2.35	0	0.00	1	1.18
North Olmsted	26	0.95	10	38.46	10	38.46	2	7.69	0	0.00	4	15.38
North Royalton	17	0.62	9	52.94	3	17.65	2	11.76	0	0.00	3	17.65
Olmsted Falls	2	0.07	1	50.00	1	50.00	0	0.00	0	0.00	0	0.00
Parma	142	5.17	90	63.38	40	28.17	3	2.11	1	0.70	6	4.23
Parma Heights	23	0.84	11	47.83	7	30.43	1	4.35	1	4.35	3	13.04
Pepper Pike	2	0.07	0	0.00	0	0.00	1	50.00	0	0.00	1	50.00
Richmond Heights	21	0.77	14	66.67	5	23.81	1	4.76	0	0.00	1	4.76
Rocky River	23	0.84	10	43.48	12	52.17	1	4.35	0	0.00	0	0.00
Seven Hills	5	0.18	4	80.00	1	20.00	0	0.00	0	0.00	0	0.00
Shaker Heights	14	0.51	6	42.86	5	35.71	1	7.14	0	0.00	2	14.29
Solon	13	0.47	8	61.54	3	23.08	1	7.69	0	0.00	1	7.69
South Euclid	16	0.58	7	43.75	6	37.50	2	12.50	1	6.25	0	0.00
Strongsville	24	0.87	10	41.67	8	33.33	4	16.67	0	0.00	2	8.33
University Heights	11	0.40	6	54.55	3	27.27	1	9.09	0	0.00	1	9.09
Warrensville Heights	48	1.75	35	72.92	8	16.67	2	4.17	2	4.17	1	2.08
Westlake	70	2.55	44	62.86	24	34.29	0	0.00	2	2.86	0	0.00

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

TRENDS

1997 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	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Bratenahl	2	0.07	0	0.00	0	0.00	1	50.00	0	0.00	1	50.00
Brooklyn Heights	1	0.04	1	100.00	0	0.00	0	0.00	0	0.00	0	0.00
Chagrin Falls	2	0.07	0	0.00	2	100.00	0	0.00	0	0.00	0	0.00
Cuyahoga Heights	2	0.07	0	0.00	2	100.00	0	0.00	0	0.00	0	0.00
Gates Mills	1	0.04	1	100.00	0	0.00	0	0.00	0	0.00	0	0.00
Glenwillow	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Highland Hills	6	0.22	1	16.67	1	16.67	1	16.67	0	0.00	2	33.33
Hunting Valley	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Linndale	1	0.04	0	0.00	0	0.00	0	0.00	0	0.00	1	100.00
Mayfield	4	0.15	2	50.00	1	25.00	1	25.00	0	0.00	0	0.00
Moreland Hills	3	0.11	3	100.00	0	0.00	0	0.00	0	0.00	0	0.00
Newburg Heights	2	0.07	2	100.00	0	0.00	0	0.00	0	0.00	0	0.00
North Randall	2	0.07	1	50.00	1	50.00	0	0.00	0	0.00	0	0.00
Oakwood	3	0.11	3	100.00	0	0.00	0	0.00	0	0.00	0	0.00
Orange	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Valley View	1	0.04	0	0.00	0	0.00	1	100.00	0	0.00	0	0.00
Walton Hills	2	0.07	0	0.00	2	100.00	0	0.00	0	0.00	0	0.00
Woodmere	2	0.07	1	50.00	1	50.00	0	0.00	0	0.00	0	0.00
<u>TOWNSHIPS:</u>												
Chagrin Falls	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Olmsted	11	0.40	5	45.45	4	36.36	0	0.00	0	0.00	2	18.18
Riveredge	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Turnpike in County	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00

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

DEATHS IN COUNTY, DEATHS REPORTED TO CORONER/CASES RECEIVED 1940 - 1997

TABLE G

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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	19.7%	1,434	10.3%
1944: 13,234	2,544	19.2%	1,420	10.7%
1945: 13,104	2,624	20.0%	1,478	11.3%
1946: 13,049	2,890	22.0%	1,588	12.0%
1947: 13,946	3,120	22.4%	1,904	13.6%
1948: 13,695	3,203	23.4%	1,924	14.0%
1949: 13,837	3,849	25.2%	2,012	14.4%

COUNTY POPULATION 1950: 1,389,532				
DEATHS IN COUNTY	TOTAL DEATHS REPORTED TO CORONER'S OFFICE	% OF DEATHS IN COUNTY	CASES ADMITTED TO CORONER'S OFFICE	% OF DEATHS IN COUNTY
1950: 13,769	3,431	24.9%	2,218	16.8%
1951: 14,156	3,496	24.7%	2,213	14.7%
1952: 14,727	3,477	23.6%	2,183	14.8%
1953: 14,896	3,646	24.5%	2,392	16.0%
1954: 14,607	3,851	26.3%	2,767	18.9%
1955: 14,751	4,085	27.8%	2,945	20.0%
1956: 15,389	4,651	30.2%	3,259	21.1%
1957: 16,063	4,634	28.8%	3,274	20.3%
1958: 15,919	4,963	31.2%	3,602	22.6%
1959: 16,088	4,328	26.9%	3,626	22.5%

COUNTY POPULATION 1960: 1,647,895				
DEATHS IN COUNTY	TOTAL DEATHS REPORTED TO CORONER'S OFFICE	% OF DEATHS IN COUNTY	CASES ADMITTED TO CORONER'S OFFICE	% OF DEATHS IN COUNTY
1960: 16,425	5,159	31.4%	3,513	21.4%
1961: 16,144	5,019	31.1%	3,622	22.7%
1962: 16,701	5,231	31.3%	3,883	23.3%
1963: 17,142	5,385	31.4%	4,083	23.8%
1964: 16,915	5,490	32.5%	4,037	23.9%
1965: 17,062	5,227	30.6%	4,012	23.5%
1966: 17,415	5,303	30.5%	4,136	23.7%
1967: 17,300	5,518	31.9%	4,141	23.9%
1968: 18,087	5,997	33.2%	4,455	24.6%
1969: 17,287	5,415	31.3%	4,436	25.7%

TABLE G (cont.) DEATHS IN COUNTY, DEATHS REPORTED TO CORONER/CASES RECEIVED 1940 - 1997

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:	N.A.	5,575	N.A.	2,744	N.A.

N.A. - Not available at time of publication

TYPES OF FATALITIES SUMMARY 1940 - 1997

TABLE H

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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 - 1997

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

*Vehicular fatalities are included in Accident totals.

1997 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	V.U.O	CLEVELAND	REST OF COUNTY	
Ashland	2		2					2		2
Ashtabula	8	2	7	1	1	1		10		10
Columbiana	2					2		2		2
Coshocton										0
Crawford	1		1					1		1
Erie	2				1	1		2		2
Geauga	1	1	1		1			1	1	2
Holmes	1					1		1		1
Huron	1				1			1		1
Lake	5	6	8		1	1	1	9	2	11
Lorain	17	13	18	2	4	6		24	6	30
Medina	6	2	3		2	2	1	7	1	8
Portage	4	3	5	1		1		7		7
Stark		1	1					1		1
Summit	2	1	1			1	1	2	1	3
Trumbull		1	1					1		1
Tuscarawas		1				1		1		1
Wayne	6	3	5	1		3		9		9
TOTAL	58	34	53	5	11	20	3	81	11	92



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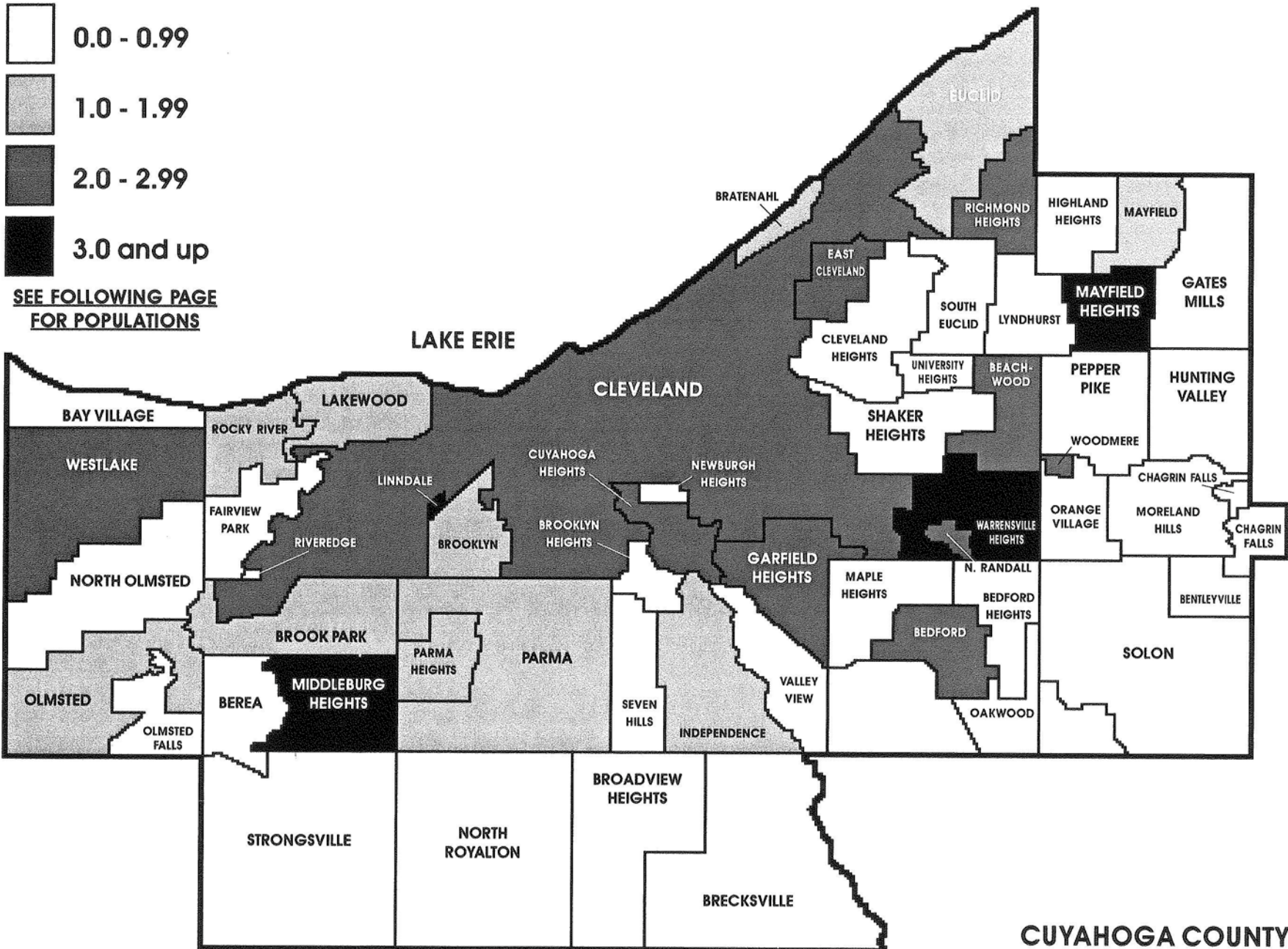
TABLE J

1997 AUTOPSIES PERFORMED FOR OTHER COUNTIES

COUNTY	SEX		MANNER						GRAND TOTAL
	M	F	VEHICULAR	HOMICIDE	SUICIDE	ACCIDENT	NATURAL	UNDETERMINED	
Ashland	12	6	4	1		3	10		18
Ashtabula	22	7	3	5	2	6	12	1	29
Franklin	1						1		1
Geauga	14	10	4	1	8	3	7	1	24
Huron	1						1		1
Lake	19	11	2	3	2	13	9	1	30
Medina	2	1		3					3
Portage	1	1		1	1				2
TOTAL	72	36	13	14	13	25	40	3	108

1997 DISTRIBUTION OF CORONER'S CASES PER 1,000 POPULATION

MAP 1



CUYAHOGA COUNTY

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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

1997 SUMMARY OF CORONER'S CASES

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

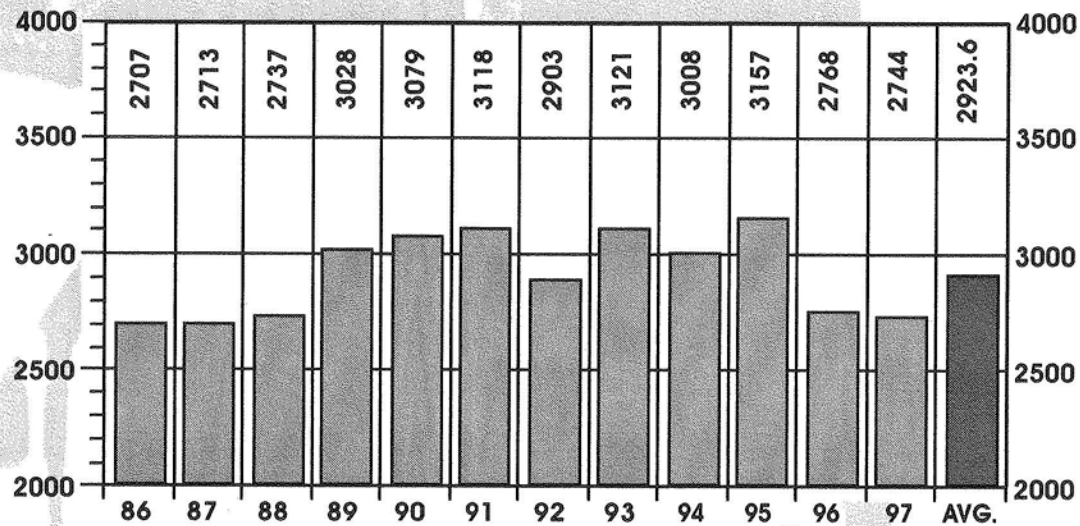
TABLE 9

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MONTH	HOMICIDES					SUICIDES					VIOLENCE OF UNDETERMINED ORIGIN					TOTAL					GRAND TOTAL			
	CLEVELAND	OTHER CITIES	VILLAGES	TOWNSHIPS	OUT OF COUNTY	TOTAL	CLEVELAND	OTHER CITIES	VILLAGES	TOWNSHIPS	OUT OF COUNTY	TOTAL	CLEVELAND	OTHER CITIES	VILLAGES	TOWNSHIPS	OUT OF COUNTY	TOTAL	CLEVELAND	OTHER CITIES		VILLAGES	TOWNSHIPS	OUT OF COUNTY
JANUARY	6	5				11	6	4				10	2					2	14	9				23
FEBRUARY	9	3			2	14	3	5				8							12	8			2	22
MARCH	7					7	6	9		1	1	17	1	1			1	3	14	10		1	2	27
APRIL	9	4				13	5	1	1			7	2	1				3	16	6	1			23
MAY	8	2				10		9	2		1	12	2					2	10	11	2		1	24
JUNE	6	4				10	5	9		1	2	17	4	2				6	15	15		1	2	33
JULY	3	2				5	6	6				12	2	1	1		1	5	11	9	1		1	22
AUGUST	4	1			2	7	8	4	1		1	14		1		1	2	12	6	1			4	23
SEPTEMBER	6	3				9	7	12			1	20	3					3	16	15			1	32
OCTOBER	6	4				10	4	3			4	11	3	1				4	13	8			4	25
NOVEMBER	9	3			1	13	4	4			2	10	2					2	15	7			3	25
DECEMBER	11					11	4	6				10	3	2				5	18	8				26
TOTAL	84	31			5	120	58	72	4	2	12	148	24	9	1		3	37	166	112	5	2	20	305

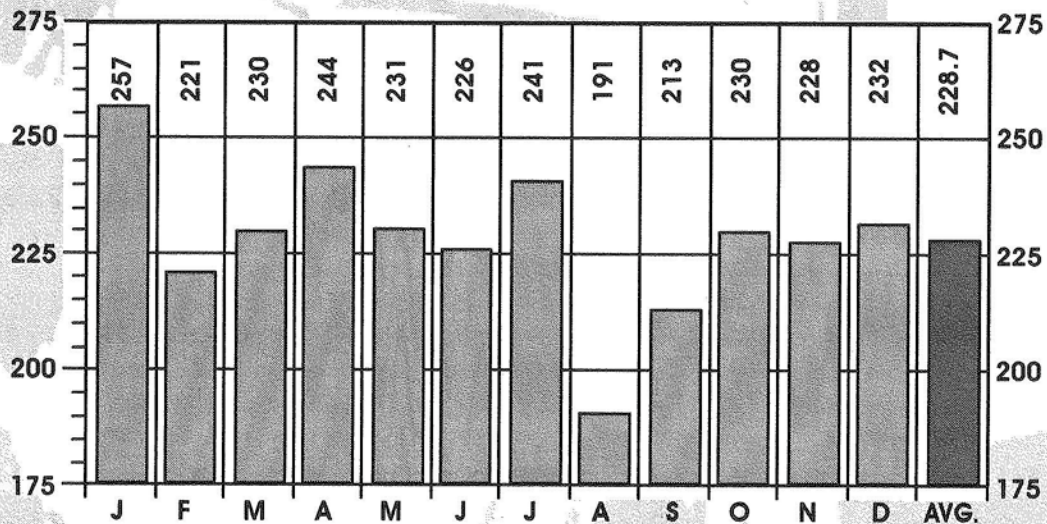


SUMMARY OF CORONER'S CASES FOR A PERIOD OF TWELVE YEARS



1986- 1997
TOTAL CASES
35,083

SUMMARY OF CORONER'S CASES BY MONTH FOR THE YEAR 1997



1997
TOTAL CASES
2,744

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

TYPE OF FATALITY	COUNTY				TOTAL	MISCELLANEOUS	
	CLEVELAND	OTHER CITIES	REST OF COUNTY	OUT OF COUNTY			TOTAL
ACCIDENTS IN THE HOME	121	155	7	40	323	CASES REPORTED - NOT ADMITTED	2831
ACCIDENTS WHILE AT WORK	5	3	2	1	11	AUTOPSIES**	1499
VEHICULAR ACCIDENTS*	57	55	4	55	171	AUTOPSIES (performed for other counties)	108
ACCIDENTS IN OTHER PLACES	257	166	5	30	458	UNIDENTIFIED BODIES	3
HOMICIDES	84	31	0	5	120	UNIDENTIFIED FOETUSES	0
SUICIDES	58	72	6	12	148	IDENTIFIED, UNCLAIMED, AND DONATED BODIES	27
VIOLENCE OF UNDETERMINED ORIGIN	24	9	1	3	37	DEATHS IN CUYAHOGA COUNTY	N.A.
TOTAL VIOLENT DEATHS	606	491	25	146	1268		
NATURAL CAUSES	750	681	20	0	1451		
NEONATAL AND INTRA-UTERINE DEATHS	23	0	0	0	23		
ABORTIONS	0	0	0	0	0		
UNDETERMINED CAUSES	1	1	0	0	2		
TOTAL CASES REPORTED AND ADMITTED	1380	1173	45	146	2744		

*Vehicular Accidents, Summary Tables 1, 2, 4, 6, and 8 are tabulated by date of death reflecting fatalities received in 1997.

**Includes 98 autopsies performed at hospitals.

REST OF COUNTRY includes Turnpikes, Villages and Townships.

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

1997 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	19	16	17	9	17	9	16	14	11	13	14	11	15	10	10	9	9	8	26	10	15	12	21	12	190	133	323
ACCIDENTS WHILE AT WORK	2				1		2				2		2				1		1						11	0	11
VEHICULAR ACCIDENTS	12	1	11	6	9	1	9	8	10	6	10	5	11	10	7	4	13	6	9	3	5	4	6	5	112	59	171
ACCIDENTS IN OTHER PLACES	37	17	21	19	18	15	16	22	28	21	16	16	19	17	18	15	12	18	13	14	24	20	16	26	238	220	458
HOMICIDE	8	3	12	2	6	1	11	2	6	4	8	2	3	2	5	2	8	1	8	2	9	4	9	2	93	27	120
SUICIDE	9	1	7	1	12	5	5	2	8	4	15	2	10	2	10	4	17	3	10	1	9	1	9	1	121	27	148
VIOLENCE OF UNDETERMINED ORIGIN	1	1			2	1	3		2		4	2	3	2	2		1	2	2	2	2		4	1	26	11	37
NATURAL CAUSES	67	61	63	50	82	49	85	48	75	42	76	40	85	48	60	43	69	42	74	51	71	51	69	50	876	575	1451
ABORTIONS																											0
NEONATAL AND INTRA-UTERINE DEATHS	1		2	1	2			1	1		1	2	1		1	1	2	1	3	1	1		1		16	7	23
UNDETERMINED CAUSES	1												1												2		2
GRAND TOTAL	157	100	133	88	149	81	147	97	141	90	146	80	150	91	113	78	132	81	146	84	136	92	135	97	1685	1059	2744

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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	12	9	11	1	11	5	11	7	9	3	11	4	8	3	9	3	4	1	16	6	10	3	14	5	126	50	176
ACCIDENTS WHILE AT WORK	2				1		2				2		2				1		1						11		11
VEHICULAR ACCIDENTS	12	1	10	6	9	1	9	7	8	6	10	4	10	10	8	4	10	6	12	3	5	4	6	5	109	57	166
ACCIDENTS IN OTHER PLACES	8	2	5	1	4	4	7	5	6	2	8	3	7	5	7	9	6	4	5		5	6	4	2	72	43	115
HOMICIDE	8	3	11	2	7	1	10	2	7	4	8	2	3	2	5	2	8	1	8	2	8	4	10	2	93	27	120
SUICIDE	10	1	6	1	13	4	5	2	7	3	15	1	8	3	12	4	16	3	11	1	9	1	9	1	121	25	146
VIOLENCE OF UNDETERMINED ORIGIN	1	1			2	1	3		1		5	2	3	2	2		1	2	2	2		4	1	26	11	37	
NATURAL CAUSES	29	21	27	18	40	20	41	20	33	16	32	17	33	17	29	14	33	17	39	23	32	17	30	17	398	217	615
ABORTIONS																											0
NEONATAL AND INTRA-UTERINE DEATHS			1	1			1				1	1			1	1	2	1	1	1	1				7	6	13
UNDETERMINED CAUSES	1												1												2		2
GRAND TOTAL	83	38	71	30	87	36	88	44	71	34	92	34	75	42	73	37	81	35	95	38	72	35	77	33	965	436	1401

1997 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	5	1	2		1		1	1	2		3	2	5	1	3	2	13	8	19	3	19	3	12	5	7	4	8	3	7	6	23	10	18	16	42	68	190	133	323	
ACCIDENTS WHILE AT WORK											1		1		1		2		2					2		2												11		11
VEHICULAR ACCIDENTS	3	1	2	1	1	1	3	2	7	5	19	3	11	2	7	5	10	5	10	3	6	5	4	1	4	4	5	1	5	3	5	3	5	8	5	6	112	59	171	
ACCIDENTS IN OTHER PLACES	5	1	2	1	1		3	2	3	1	1			8	4	3	1	10	3	20	5	7	6	11	7	16	5	19	9	20	12	27	21	32	32	50	110	238	220	458
HOMICIDE	2	4	1	1	1	1	3			12	1	13	5	13	6	12	4	12	1	9	1	7	1	3	1		1	1						2			93	27	120	
SUICIDE							2			3		7	2	10	1	16	1	12	1	19	5	9	3	10		4	2	3		4	4	7	2	7	4	8	2	121	27	148
VIOLENCE OF UNDETERMINED ORIGIN	6	5	1	1	1				1				2	1			5	1	3		2	2	3			1					2						26	11	37	
NATURAL CAUSES	19	17	1	2	1		2	2		4	9	3	3	3	17	7	30	17	47	23	78	37	79	27	89	44	92	43	97	52	114	75	103	68	95	151	876	575	1451	
ABORTIONS																																								0
NEONATAL AND INTRA-UTERINE DEATHS	16	7																																				16	7	23
UNDETERMINED CAUSES	1																																					2		2
GRAND TOTAL	57	36	9	6	6	2	14	7	28	11	53	15	53	18	59	20	94	36	129	40	129	57	122	41	122	61	130	56	134	77	177	111	167	128	202	337	1685	1059	2744	

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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	5	1	2		1		1	1	1		3	2	5	1	3	2	13	8	18	3	19	1	12	4	5	3	4	1	5	3	10	1	6	6	13	13	126	50	176	
ACCIDENTS WHILE AT WORK											1		1		1		2		2				2		2													11		11
VEHICULAR ACCIDENTS	3	1	2	1	1	1	3	2	6	4	19	3	11	2	7	5	10	5	10	3	6	5	3	1	4	4	5	1	5	3	4	3	5	8	5	5	109	57	166	
ACCIDENTS IN OTHER PLACES	1	1	1	1	1		3	1	1	1	1		4	2	1	1	8	3	17	2	3	2	4	3	5	3	6	2	1		5	2	4	6	6	13	72	43	115	
HOMICIDE	2	4	1	1	1	1	3		12	1	13	5	13	6	12	4	12	1	9	1	7	1	3	1		1	1						2			93	27	120		
SUICIDE							2		3		7	2	11	1	16	1	12	1	19	5	8	3	10		4	2	3		4	4	7	2	7	3	8	1	121	25	146	
VIOLENCE OF UNDETERMINED ORIGIN	6	5	1	1	1				1				2	1		5	1	3		2	2	3			1						2						26	11	37	
NATURAL CAUSES	19	16		2	1		1	2		4	9	3	3	2	17	7	27	14	39	19	67	28	43	13	28	14	37	16	29	14	30	19	27	21	21	23	398	217	615	
ABORTIONS																																								0
NEONATAL AND INTRA-UTERINE DEATHS	7	6																																				7	6	13
UNDETERMINED CAUSES	1																																					2		2
GRAND TOTAL	44	34	7	6	6	2	13	6	24	10	53	15	50	15	57	20	89	33	117	33	113	42	78	22	48	28	58	20	45	24	57	27	51	44	55	55	965	436	1401	

1997 SUMMARY OF CORONER'S CASES

GEOGRAPHICAL LOCATION - ALL FATALITIES SUMMARY

TABLE 6

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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 ACCIDENTS	ACCIDENTS IN OTHER PLACES	TOTAL ACCIDENTS	HOMICIDE	SUICIDE	UNDETERMINED ORIGIN	TOTAL OTHER VIOLENCE	TOTAL ALL VIOLENCE						
Cleveland	121	5	57	257	440	84	58	24	166	606	750	0	23	1	774	1380
Bay Village	3			1	4					4	4				4	8
Beachwood	3		1	11	15		1		1	16	7				7	23
Bedford	2		2	2	6	1	2	1	4	10	31				31	41
Bedford Heights	3			1	4		2		2	6	4				4	10
Berea	4		1	2	7	1	2		3	10	8				8	18
Brecksville	1			1	2		1		1	3	4				4	7
Broadview Heights							1		1	1	4				4	5
Brooklyn	2	1	5		8		3	1	4	12	2				2	14
Brook Park	5		3	4	12		4		4	16	8				8	24
Cleveland Heights	5		4	7	16	2	4		6	22	11				11	33
East Cleveland	10		3	8	21	14	1		15	36	52				52	88
Euclid	9		4	12	25	3	5	1	9	34	52				52	86
Fairview Park	5		1		6		1	1	2	8	8				8	16
Garfield Heights	7			8	15	2	2		4	19	45				45	64
Highland Heights																0
Independence	1		3		4		1		1	5	3				3	8
Lakewood	10		2	10	22	1	11	2	14	36	47			1	48	84
Lyndhurst	4				4					4	4				4	8
Maple Heights	6	1	2	2	11		1	1	2	13	9				9	22
Mayfield Heights	4			21	25		4		4	29	43				43	72
Middleburg Heights	3		2	9	14		1		1	15	70				70	85
North Olmsted	4		2	6	12		4		4	16	10				10	26
North Royalton	2		2	1	5		3		3	8	9				9	17
Olmsted Falls	1				1					1	1				1	2
Parma	21		3	19	43	1	6	2	9	52	90				90	142
Parma Heights	4		1	3	8	1	3		4	12	11				11	23
Pepper Pike			1		1		1		1	2					2	2
Richmond Heights	3		1	2	6		1		1	7	14				14	21
Rocky River	6		1	6	13					13	10				10	23
Seven Hills	1				1					1	4				4	5
Shaker Heights	3	1	1	1	6		2		2	8	6				6	14
Solon	2		1	1	4		1		1	5	8				8	13
South Euclid	4		2	2	8	1			1	9	7				7	16
Strongsville	5		4	3	12		2		2	14	10				10	24
University Heights	2		1	1	4		1		1	5	6				6	11
Warrensville Heights	2		2	6	10	2	1		3	13	35				35	48
Westlake	8			16	24	2			2	26	44				44	70
GRAND TOTAL	276	8	112	423	819	115	130	33	278	1097	1431		23	2	1456	2553

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						
VILLAGES:																
Bentleyville																0
Bratenahl			1		1		1		1	2						2
Brooklyn Heights											1				1	1
Chagrin Falls	1			1	2					2						2
Cuyahoga Heights		2			2					2						2
Gates Mills											1				1	1
Glenwillow																0
Highland Hills	1		1		2		2	1	3	5	1				1	6
Hunting Valley																0
Linndale								1		1						1
Mayfield	1		1		2					2	2				2	4
Moreland Hills											3				3	3
Newburgh Heights											2				2	2
North Randall				1	1					1	1				1	2
Oakwood											3				3	3
Orange																0
Valley View			1		1					1						1
Walton Hills				2	2					2						2
Woodmere	1				1					1	1				1	2
TOTAL VILLAGES	4	2	4	4	14		4	1	5	19	15				15	34
TOWNSHIPS:																
Chagrin Falls																0
Olmsted	3			1	4		2		2	6	5				5	11
TOTAL TOWNSHIPS	3			1	4		2		2	6	5				5	11
TOTAL TURNPIKES																0

1997 SUMMARY OF CORONER'S CASES

GEOGRAPHICAL LOCATION - ALL FATALITIES SUMMARY

TABLE 7A

	VIOLENT DEATHS															GRAND TOTAL
	ACCIDENTS					OTHER VIOLENCE					NATURAL CAUSES	ABORTIONS	INTRA-UTERINE AND NEONATAL UNDETERMINED CAUSES	TOTAL		
	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	276	8	112	423	819	115	130	33	278	1097	1431	0	23	2	1456	2553
VILLAGES	4	2	4	4	14	0	4	1	5	19	15	0	0	0	15	34
TOWNSHIPS	3	0	0	1	4	0	2	0	2	6	5	0	0	0	5	11
OUT OF COUNTY	40	1	55	30	126	5	12	3	20	146	0	0	0	0	0	146
TURNPIKE			0		0					0						0
GRAND TOTAL	323	11	171	458	963	120	148	37	305	1268	1451	0	23	2	1476	2744

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1997 SUMMARY OF CORONER'S CASES ACCIDENT FATALITIES BY MONTH

TABLE 8

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	11	19	1		4	35	1	1			2	4	4					5	13	28	24		1	1	54	44	48	1	1		10	104
FEBRUARY	9	13			4	26						7	7					3	17	29	10			1	40	45	30			8	83	
MARCH	9	12		1	4	26	1				1	1	5					4	10	21	9			3	33	32	26	1		11	70	
APRIL	10	17			3	30			2		2	3	6					8	17	22	14	1		1	38	35	37	3		12	87	
MAY	11	10	1		2	24						7	5	1				3	16	26	20			3	49	44	35	2		8	89	
JUNE	10	13			2	25	2				2	8	4					3	15	20	10			2	32	40	27			7	74	
JULY	9	12			4	25		1		1	2	7	4	1				9	21	19	11	1		5	36	35	28	2		19	84	
AUGUST	8	9			2	19						5	3					3	11	22	10			1	33	35	22			6	63	
SEPTEMBER	6	7		1	3	17	1				1	4	8	1				6	19	16	11	1		2	30	27	26	2	1	11	67	
OCTOBER	13	17	1		5	36		1			1	4	3	1				4	12	13	12			2	27	30	33	2		11	76	
NOVEMBER	10	12			5	27						3	2					4	9	23	17	1		3	44	36	31	1		12	80	
DECEMBER	15	14	1	1	2	33						4	4					3	11	18	18			6	42	37	36	1	1	11	86	
TOTAL	121	155	4	3	40	323	5	3	2	1	11	57	55	4			55	171	257	166	4	1	30	458	440	379	14	4		126	963	

1997 SUMMARY OF CORONER'S CASES

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

TABLE 9

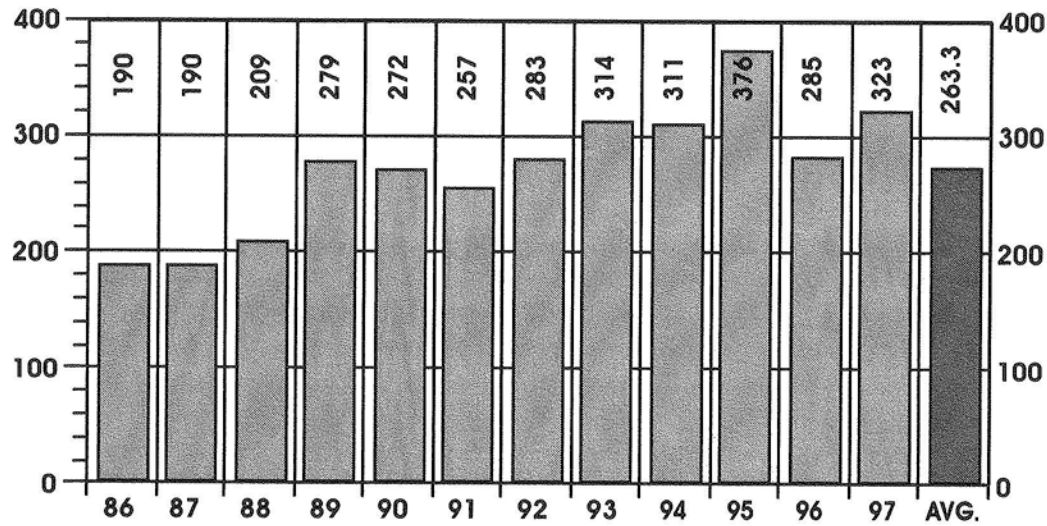
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MONTH	HOMICIDES					SUICIDES					VIOLENCE OF UNDETERMINED ORIGIN					TOTAL					GRAND TOTAL			
	CLEVELAND	OTHER CITIES	VILLAGES	TOWNSHIPS	OUT OF COUNTY	TOTAL	CLEVELAND	OTHER CITIES	VILLAGES	TOWNSHIPS	OUT OF COUNTY	TOTAL	CLEVELAND	OTHER CITIES	VILLAGES	TOWNSHIPS	OUT OF COUNTY	TOTAL	CLEVELAND	OTHER CITIES		VILLAGES	TOWNSHIPS	OUT OF COUNTY
JANUARY	6	5				11	6	4				10	2					2	14	9				23
FEBRUARY	9	3			2	14	3	5				8							12	8			2	22
MARCH	7					7	6	9		1	1	17	1	1			1	3	14	10		1	2	27
APRIL	9	4				13	5	1	1		7	2	1					3	16	6	1			23
MAY	8	2				10		9	2		1	12	2					2	10	11	2		1	24
JUNE	6	4				10	5	9		1	2	17	4	2				6	15	15		1	2	33
JULY	3	2				5	6	6				12	2	1	1		1	5	11	9	1		1	22
AUGUST	4	1			2	7	8	4	1		1	14		1			1	2	12	6	1		4	23
SEPTEMBER	6	3				9	7	12			1	20	3					3	16	15			1	32
OCTOBER	6	4				10	4	3			4	11	3	1				4	13	8			4	25
NOVEMBER	9	3			1	13	4	4			2	10	2					2	15	7			3	25
DECEMBER	11					11	4	6				10	3	2				5	18	8				26
TOTAL	84	31			5	120	58	72	4	2	12	148	24	9	1		3	37	166	112	5	2	20	305



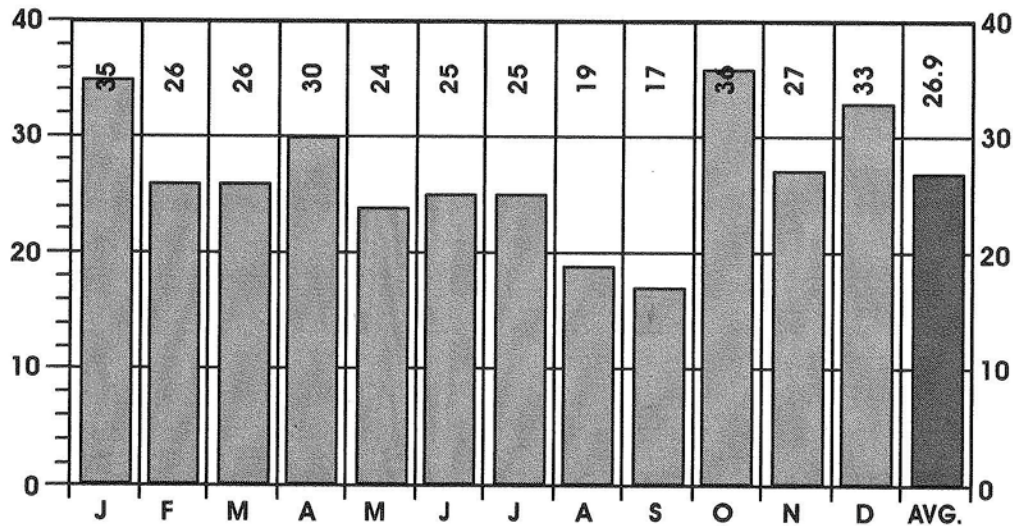
ACCIDENTS IN THE HOME

ACCIDENTS IN THE HOME FOR A PERIOD OF TWELVE YEARS



		NUMBER	PERCENT
SEX	MALE	190	59
	FEMALE	133	41
RACE	WHITE	246	76
	NON-WHITE	77	24
ALCOHOL	TESTED	200	62
	POSITIVE	56	28
AUTOPSY	AUTOPSIED	176	54

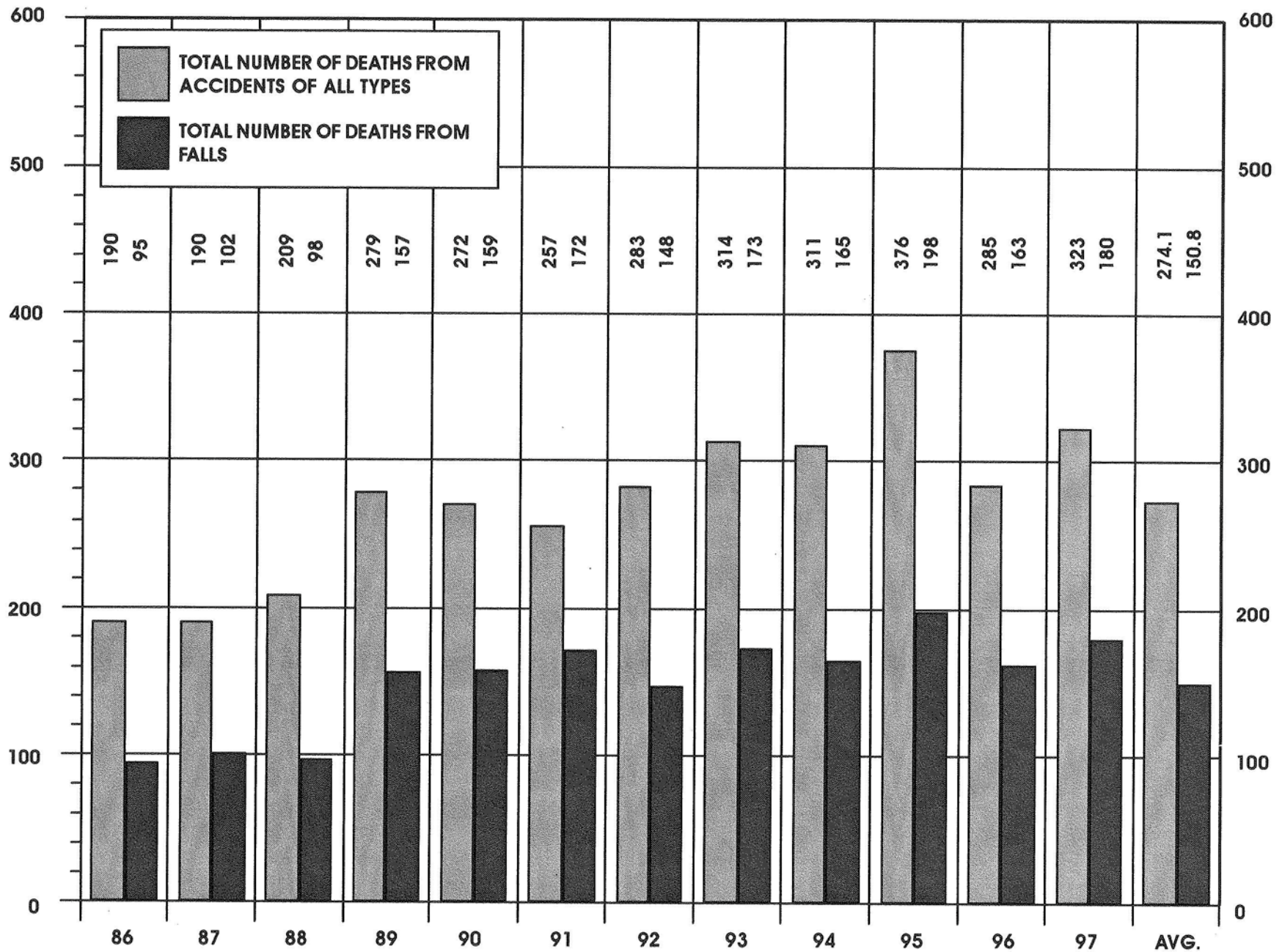
ACCIDENTS IN THE HOME BY MONTH FOR THE YEAR 1997



1997
TOTAL CASES
323

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

1997 FATALITIES RESULTING FROM ACCIDENTS IN THE HOME MONTHLY ALCOHOL INCIDENCE

TABLE 10

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	35	19	16	8	3	10	10	1	3	6	6	5	6			1		13	10	11	8	2	2					1		1	1	1							
FEBRUARY	26	17	9	7	2	8	5	2	2	6	8	6	8					11	1	7	1	4		2	1									1					
MARCH	26	17	9	8	1	6	7	3	1	6	3	6	3					11	6	8	5	3	1		1					2		1							
APRIL	30	16	14	4	6	10	7	2	1	6	7	6	6		1		10	7	6	6	4	1		1	2			2											
MAY	24	11	13	6	5	5	6		2	2	8	2	8				9	5	6	4	3	1				1	2			1									
JUNE	25	14	11	5	5	8	5	1	1	2	6	2	6				12	5	6	5	6		1			1		1		1						2			
JULY	25	15	10	7	2	5	7	3	1	4	5	4	5				11	5	8	2	3	3						1	2		1	1			1		1		
AUGUST	19	10	9	5	3	5	4		2	1	4	1	4				9	5	5	4	4	1		1		1		2	1										
SEPTEMBER	17	9	8	4	2	4	4	1	2	6	5	6	5				3	3	2	3	1					1													
OCTOBER	36	26	10	11	2	11	7	4	1	10	2	9	2		1		16	8	9	8	7		2	2	1				1		1				1				
NOVEMBER	27	15	12	7	3	4	8	4	1	4	4	4	4				11	8	9	7	2	1						1	1							1			
DECEMBER	33	21	12	11	4	9	7	1	1	6	6	6	6				15	6	9	5	6	1					2		1	1	1						2		
TOTAL	323	190	133	83	38	85	77	22	18	59	64	57	63			2	1	131	69	86	58	45	11	5	2	6	1	8	1	7	6	8	1	5		6			

1997 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	
Under 1 Year	White	1	1									1	1																
	Non-White	5	4	1								4	1	4	1														
1 - 4	White																												
	Non-White	2	2									2	2																
5 - 9	White																												
	Non-White	1	1									1	1																
10 - 14	White	1	1									1	1																
	Non-White	1		1									1	1															
15 - 19	White	2	2									2	2																
	Non-White																												
20 - 24	White	4	2	2	1		1					1	2	1	1		1												
	Non-White	1	1									1	1																
25 - 29	White	5	4	1								4	1	2	1	2		2											
	Non-White	1	1									1			1				1										
30 - 34	White	5	3	2								3	2	1	1	2	1		1	1					1				
	Non-White																												
35 - 39	White	16	9	7								9	7	2	5	7	2	1		1			3	2	2				
	Non-White	5	4	1								4	1	1	1	3								2		1			
40 - 44	White	16	13	3								13	3	5	2	8	1	1		1	1	2		2	1	1			
	Non-White	6	6		1		1					5	2		3							1	1		1				
45 - 49	White	12	10	2		1		1				10	1	6	1	4			1		2				1				
	Non-White	10	9	1								9	1	7	1	2		1								1			
50 - 54	White	7	5	2		1		1				5	1	2	1	3									1	2			
	Non-White	10	7	3								7	3	4	1	3	2		1		1	1	1	1					
55 - 59	White	7	4	3	1	1	1				1	3	2	2	2	1										1			
	Non-White	4	3	1								3	1	1	1	2							1			1			
60 - 64	White	8	6	2	2	2	2	2				4		3		1				1									
	Non-White	3	2	1	1		1					1	1		1	1									1				
65 - 69	White	6	4	2	1	1	1	1				3	1	3	1														
	Non-White	7	3	4	1	1	1	1				2	3	2	1		2							1	1				
70 - 74	White	30	21	9	10	3	9	3		1		11	6	9	6	2			1					1					
	Non-White	3	2	1								2	1	2	1														
75 - 79	White	32	17	15	12	7	11	7		1		5	8	5	7		1							1					
	Non-White	2	1	1								1	1	1	1														
80 - over	White	94	37	57	28	40	28	40				9	17	9	16		1							1					
	Non-White	16	5	11	1	7	1	7				4	4	4	4														
TOTAL	White	246	139	107	55	56	53	55		2	1	84	51	54	44	30	7	4	2	5	1	5		5	4	4	4	3	
	Non-White	77	51	26	4	8	4	8				47	18	32	14	15	4	1		1		3	1	2	2	4	1	3	
GRAND TOTAL		323	190	133	59	64	57	63		2	1	131	69	86	58	45	11	5	2	6	1	8	1	7	6	8	1	5	6

ACCIDENTS IN THE HOME

1997 FATALITIES RESULTING FROM ACCIDENTS IN THE HOME

MODE - ALCOHOL INCIDENCE

TABLE 13

ACCIDENTS IN THE HOME

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>																															
Aspiration of Foreign Object	2		2		1		1									2		2													
Compression	7	6	1	5	1	1									6	1	4	1	2									1	1		
Drowning	4	2	2			1	2	1							2	2	2	1		1						1					
Hanging	1	1				1									1		1														
Plastic Bag	1	1				1									1		1														
TOTAL	15	10	5	5	2	4	3	1							10	5	8	4	2	1								1	1	1	
<u>BURNING:</u>																															
Conflagration	10	4	6	3	1	1	3		2	1		1			3	6	2	6	1											1	
Incidental Fire	3	3		2		1									3		3														
Unknown	0																														
Scalding	1	1		1											1		1														
TOTAL	14	8	6	6	1	2	3		2	1		1			7	6	6	6	1											1	
<u>CARBON MONOXIDE:</u>																															
Auto Exhaust	0																														
Conflagration	7	5	2	3	1	2	1								5	2	2	1	3	1				1		1	1			1	
Natural Gas	1		1				1								1				1		1										
TOTAL	8	5	3	3	1	2	2								5	3	2	1	3	2				1			1	1		1	

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:																												
Tractor	1	1					1		1	1																		
TOTAL	1	1					1		1	1																		
EXPLOSION:																												
Welding	1	1					1							1	1													
TOTAL	1	1					1							1	1													
EXPOSURE:																												
Cold	6	1	5	1	1		3	1						1	5	1	4		1									
Heat	1	1		1										1	1													
TOTAL	7	2	5	2	1		3	1						2	5	2	4		1									
SHOOTING:																												
Self Inflicted	2	2		1	1									2	1	1											1	
TOTAL	2	2		1	1									2	1	1											1	
STABBING:																												
Knife	1	1		1										1	1													
TOTAL	1	1		1										1	1													
STRUCK BY OBJECT:																												
Swing	1	1			1									1	1													
TOTAL	1	1			1									1	1													
OTHERS:																												
Being Lifted	1	1			1			1	1																			
Jumped on by Sibling	1	1		1										1	1													
Scalp Laceration	1	1			1									1			1									1		
Turned in Bed	1		1	1					1	1																		
TOTAL	4	3	1	1	1	2			1	1	1	1		2	1	1										1		

1997 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		
POISONING* (continued):																															
<i>Combined Effect of Two Chemical Agents</i>																															
Amitriptyline and Hydrocodone	1	1				1									1	1															
Amitriptyline and Verapamil	1		1				1								1		1														
Amoxaioine and Loxapine	1	1				1									1	1															
Cocaine and Heroin	4	4		4											4	3	1				1										
Cocaine and Marijuana	2	2		2											2	2															
Heroin and Meprobamate	1		1		1										1		1														
Metadone and Doxepin	1		1			1									1		1														
Opiates and Diazepam	1	1		1											1	1															
Propoxyphene and Diazepam	1		1			1									1		1														
Propoxyphene and Fluoxetine	1		1		1										1		1														
Thioridazine and Trazodone	1		1		1										1		1														
TOTAL	15	9	6	7	3	2	3								9	6	8	6	1												
<i>Combined Effect of Three or More Chemical Agents:</i>																															
Amitriptyline, Propoxyphene and Acetaminophen	1		1			1									1		1														
Cocaine, Methadone and Alprazolam	1	1		1											1	1															
Heroin, Diazepam and Meprobamate	2	2		2											2	2															
Opiate, Propoxyphene and Benzodiazepine	1		1		1										1		1														
Diazepam, Alprazolam, Hydrocodone and Opiate	1		1			1									1		1														
Heroin, Meprobamate, Diazepam and Propoxyphene	1	1		1											1	1															
Heroin, Propoxyphene, Doxepin and Sertraline	1	1		1											1			1		1											
Meperidine, Propoxyphene, Trazodone and Fluoxetine	1		1			1									1		1														
Morphine, Hydromorphone, Diazepam and Meprobamate	1	1		1											1	1															
Opiates, Cocaine, Benzodiazepines and Marijuana	1	1		1				1	1																						
Imipramine, Carisoprodol, Meprobamate, Oxycodone and Benzodiazepine	1		1		1										1		1														
TOTAL	12	7	5	7	2		3		1	1				6	5	5	5	1	1												
GRAND TOTAL	78	62	16	43	8	19	7		1	1	1			61	16	31	12	30	4	4	1	4	1	6	7	2	6	1	2		

*Drugs mentioned in cause of death.

1997 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	M	F		
ASPHYXIA	3	1					1		2								1	1	1						1		1				1		1		1		10	5	15	
BURNING			1				1												1	1	1				1		1		1	1	1	1	2		8	6	14			
CARBON MONOXIDE	1										1									1							2	1							5	3	8			
CRUSHING																															1		1		1		1			
EXPLOSION												1																					1		1		1			
EXPOSURE																							1				1				2		2	2	5		7			
FALLING												1							1	2		2	1	2	2	3		6	3	4	3	18	9	15	12	37	59	90	90	180
POISONING	1										2	1	3	1	3	2	12	5	14	2	15	2	9	1	1	2	1							62	16	78				
SHOOTING											1											1													2		2			
STABBING																															1				1		1			
STRUCK BY OBJECT					1																														1		1			
UNKNOWN																									1		1	2		1			1	5	4	7	11			
OTHERS			1																1														1	1	3	1	4			
TOTAL	5	1	2		1		1	1	2		3	2	5	1	3	2	13	8	19	3	19	3	12	5	7	4	8	3	7	6	23	10	18	16	42	68	190	133	323	

ACCIDENTS IN THE HOME

1997 FATALITIES RESULTING FROM ACCIDENTS IN THE HOME FALLS - ALCOHOL INCIDENCE

TABLE 16

FALLS BY CODE*	TOTAL	NOT TESTED										TESTED						STAGES											
		Total		Total		Surv'd Too Long		Under Age		Other		Total		Neg.		Pos.		0.01% 0.04%	0.05% 0.09%	0.10% 0.14%	0.15% 0.19%	0.20% 0.24%	0.25% 0.29%	0.30% or over					
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F		
E880 -From Stairs	28	18	10	6	4	5	4			1		12	6	8	5	4	1	1		1				1					
E881 -From Ladder	2	2											2	2															
E882 -From Building or Other Structure	1		1										1	1															
E883 -Into Hole	1	1		1		1																							
E884 -From One Level to Another																													
<i>Bed</i>	9	3	6	2	4	2	4					1	2	1	2														
<i>Cane</i>	1	1		1		1																							
<i>Chair</i>	4	4		4		4																							
<i>Walker</i>	4		4		3		3					1		1															
<i>Tractor</i>	3	3		2		2						1		1															
E885 - On Same Level	119	53	66	39	45	38	45			1		14	21	14	19		2							1		1			
E888 - Unspecified	8	5	3		2		2					5	1	3	1	2				1							1		
TOTAL	180	90	90	55	58	53	58			2		35	32	29	29	6	3	1		2		1		2		1	1		

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

1997 FATALITIES RESULTING FROM ACCIDENTS IN THE HOME

FALLS - AGE GROUPS

TABLE 17

FALLS BY CODE*	Under 1 Year		1-4		5-9		10-14		15-19		20-24		25-29		30-34		35-39		40-44		45-49		50-54		55-59		60-64		65-69		70-74		75-79		80 and Over		TOTAL		GRAND TOTAL
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F			
E880 - From Stairs													1										2			2	2	2	2	3	1	6	7	18	10	28			
E881 - From Ladder																																		1		2		2	
E882 - From Building or Other Structure																											1										1		1
E883 - Into Hole																			1																	1		1	
E884 - From One Level to Another																																							
<i>Bed</i>																																			1	3	3	6	9
<i>Cane</i>																																			1		1		1
<i>Chair</i>																											1								2		1		4
<i>Walker</i>																																				4		4	
<i>Tractor</i>																																				1		3	
E885 - On Same Level																																							
E888 - Unspecified																																							
TOTAL													1					1	2		2	1	2	2	3		6	3	4	3	18	9	15	12	37	59	90	90	180

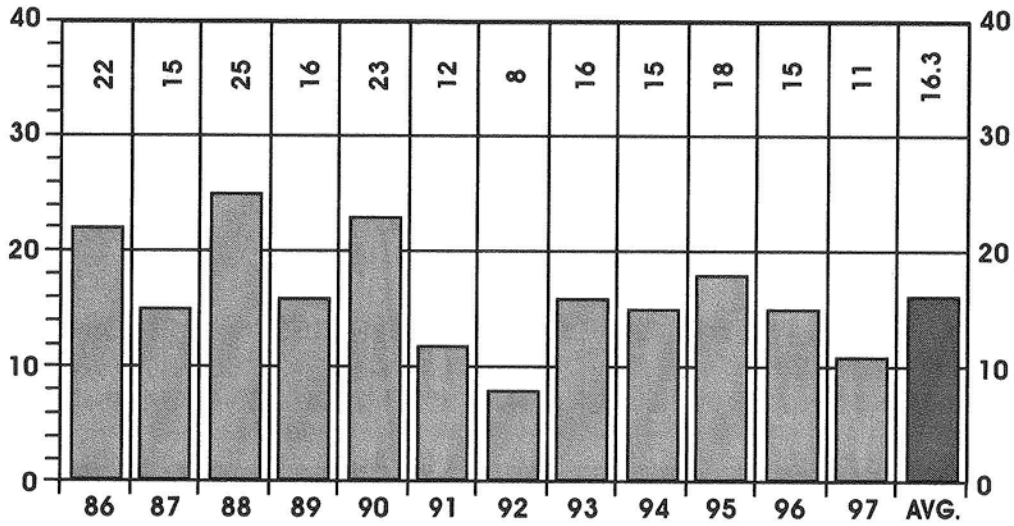
*International classification of diseases by World Health Organization: Ninth Revision.

ACCIDENTS IN THE HOME



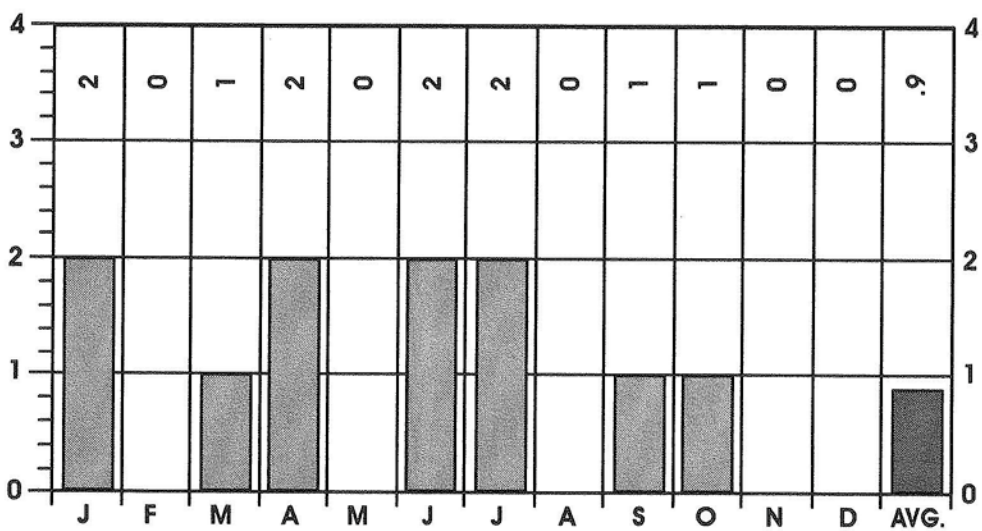
ACCIDENTS WHILE AT WORK

ACCIDENTS WHILE AT WORK FOR A PERIOD OF TWELVE YEARS



		NUMBER	PERCENT
SEX	MALE	11	100
	FEMALE	0	0
RACE	WHITE	9	82
	NON-WHITE	2	18
ALCOHOL	TESTED	11	100
	POSITIVE	0	0
AUTOPSY	AUTOPSIED	11	100

ACCIDENTS WHILE AT WORK BY MONTH FOR THE YEAR 1997

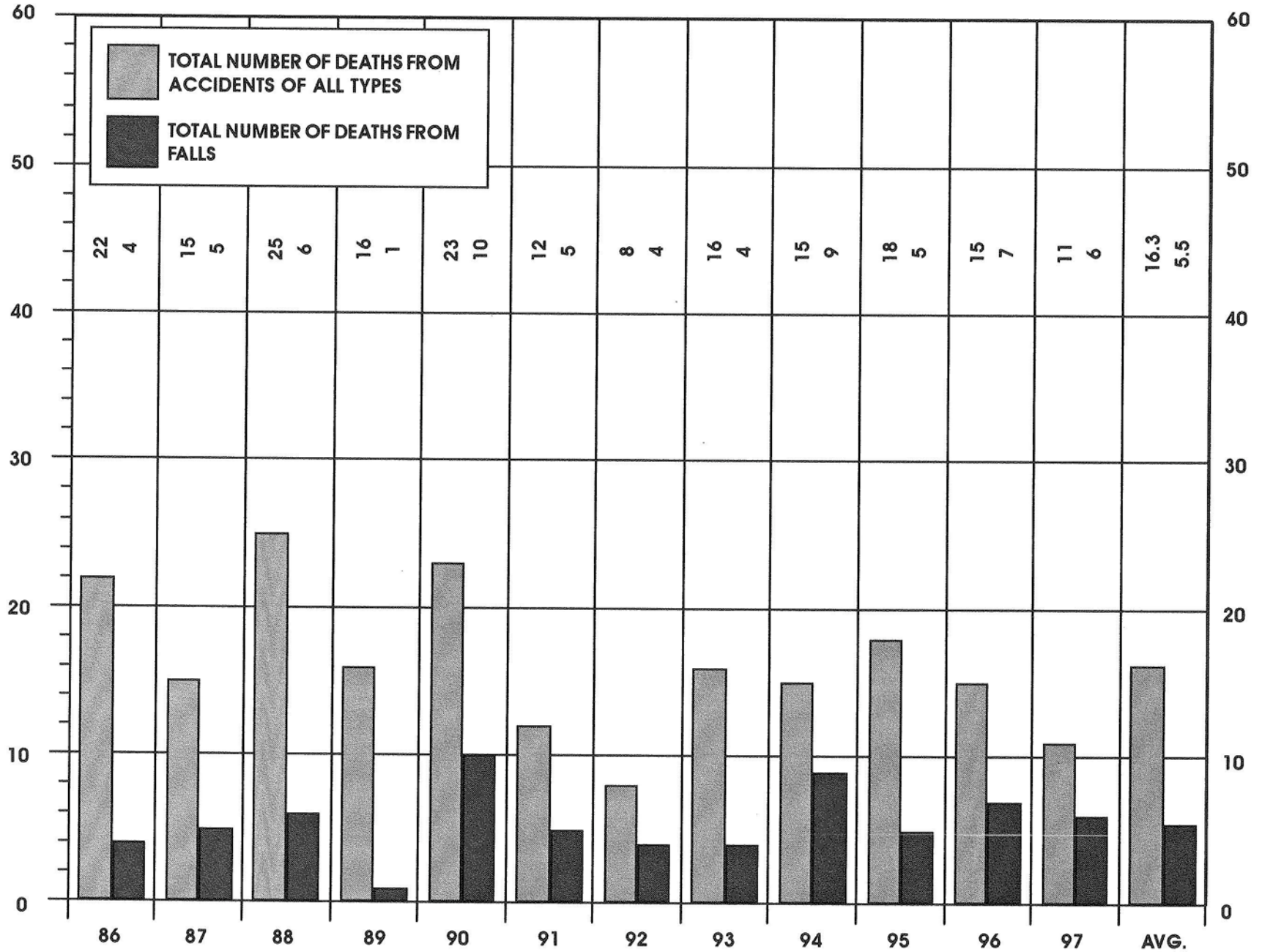


1997
TOTAL CASES
11

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



1997 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	F	M	F	M	F	M	F				
JANUARY	2	2		1		1												2		2																			
FEBRUARY																																							
MARCH	1	1		1														1		1																			
APRIL	2	2				2												2		2																			
MAY																																							
JUNE	2	2		2														2		2																			
JULY	2	2				1		1										2		2																			
AUGUST																																							
SEPTEMBER	1	1		1														1		1																			
OCTOBER	1	1				1												1		1																			
NOVEMBER																																							
DECEMBER																																							
TOTAL	11	11		5		5		1									11		11																				

ACCIDENTS WHILE AT WORK

1997 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	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	1	1																											
	Non-White																													
25 - 29	White	1	1																											
	Non-White																													
30 - 34	White	1	1																											
	Non-White																													
35 - 39	White	1	1																											
	Non-White	1	1																											
40 - 44	White	2	2																											
	Non-White																													
45 - 49	White																													
	Non-White																													
50 - 54	White																													
	Non-White																													
55 - 59	White	1	1																											
	Non-White	1	1																											
60 - 64	White	2	2																											
	Non-White																													
65 - 69	White																													
	Non-White																													
70 - 74	White																													
	Non-White																													
75 - 79	White																													
	Non-White																													
80 - over	White																													
	Non-White																													
TOTAL	White	9	9																											
	Non-White	2	2																											
GRAND TOTAL		11	11																											

1997 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	M	F	M	F	M	F	M	F	M	F	M	F
ASPHYXIA	1	1		1														1		1																	
CRUSHING	3	3		1		2												3		3																	
FALLING	6	6		3		2		1										6		6																	
STRUCK BY OBJECT	1	1				1												1		1																	
TOTAL	11	11		5		5		1										11		11																	

ACCIDENTS WHILE AT WORK

1997 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
ASPHYXIA:																														
Entangled in pulley	1	1		1												1		1												
TOTAL	1	1		1												1		1												
CRUSHING:																														
Front end loader	1	1				1										1		1												
In-loader	1	1		1												1		1												
Trailer frame	1	1				1										1		1												
TOTAL	3	3		1		2										3		3												
STRUCK BY OBJECT:																														
Steel frame	1	1				1										1		1												
TOTAL	1	1				1										1		1												

1997 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 - 74		TOTAL		GRAND TOTAL
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
ASPHYXIA									1														1		1
CRUSHING			1								1					1							3		3
FALLING					1		1		1		1							2					6		6
STRUCK BY OBJECT																1							1		1
TOTAL			1		1		1		2		2					2		2					11		11

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	4	4									4	4												
E882 -From Building or Other Structure	1	1									1	1												
E884 -From One Level to Another <i>Crane</i>	1	1									1	1												
TOTAL	6	6									6	6												

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

1997 FATALITIES RESULTING FROM ACCIDENTS WHILE AT WORK

TABLE 24

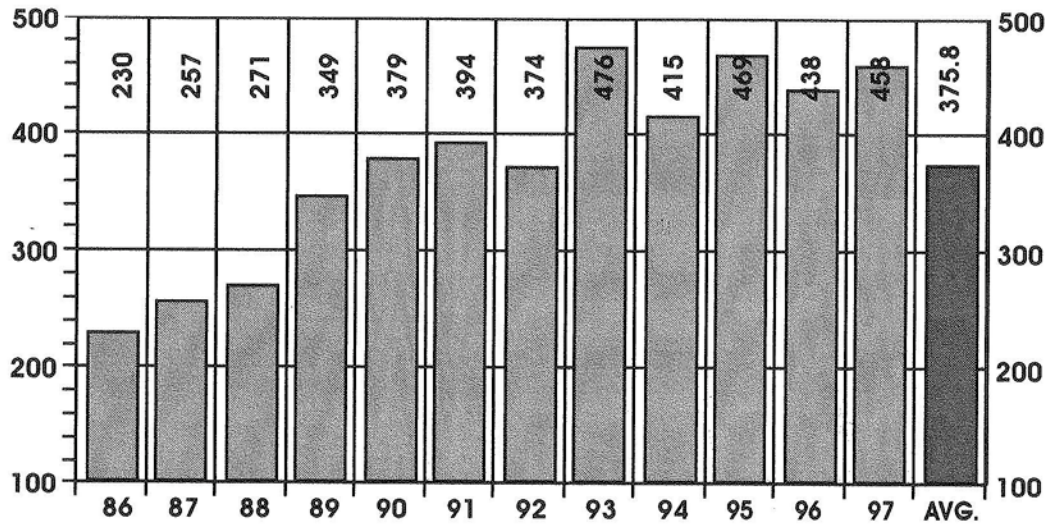
FALLS - AGE GROUPS

FALLS BY CODE*	15 - 19		20 - 24		25 - 29		30 - 34		35 - 39		40 - 44		45 - 49		50 - 54		55 - 59		60 - 69		70 - 74		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					4		4
E882 - From Building or Other Structure									1															1		1
E885 - From One Level to Another Crane											1													1		1
TOTAL					1		1		1		1								2					6		6

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

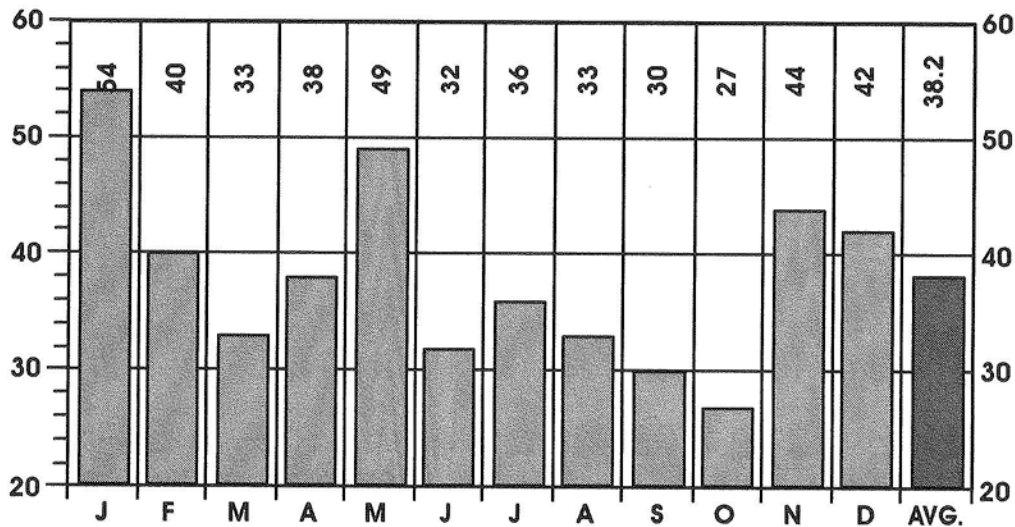
ACCIDENTS IN OTHER PLACES

ACCIDENTS IN OTHER PLACES FOR A PERIOD OF TWELVE YEARS



		NUMBER	PERCENT
SEX	MALE	238	52
	FEMALE	220	48
RACE	WHITE	373	81
	NON-WHITE	85	19
ALCOHOL	TESTED	141	31
	POSITIVE	23	16
AUTOPSY	AUTOPSIED	115	25

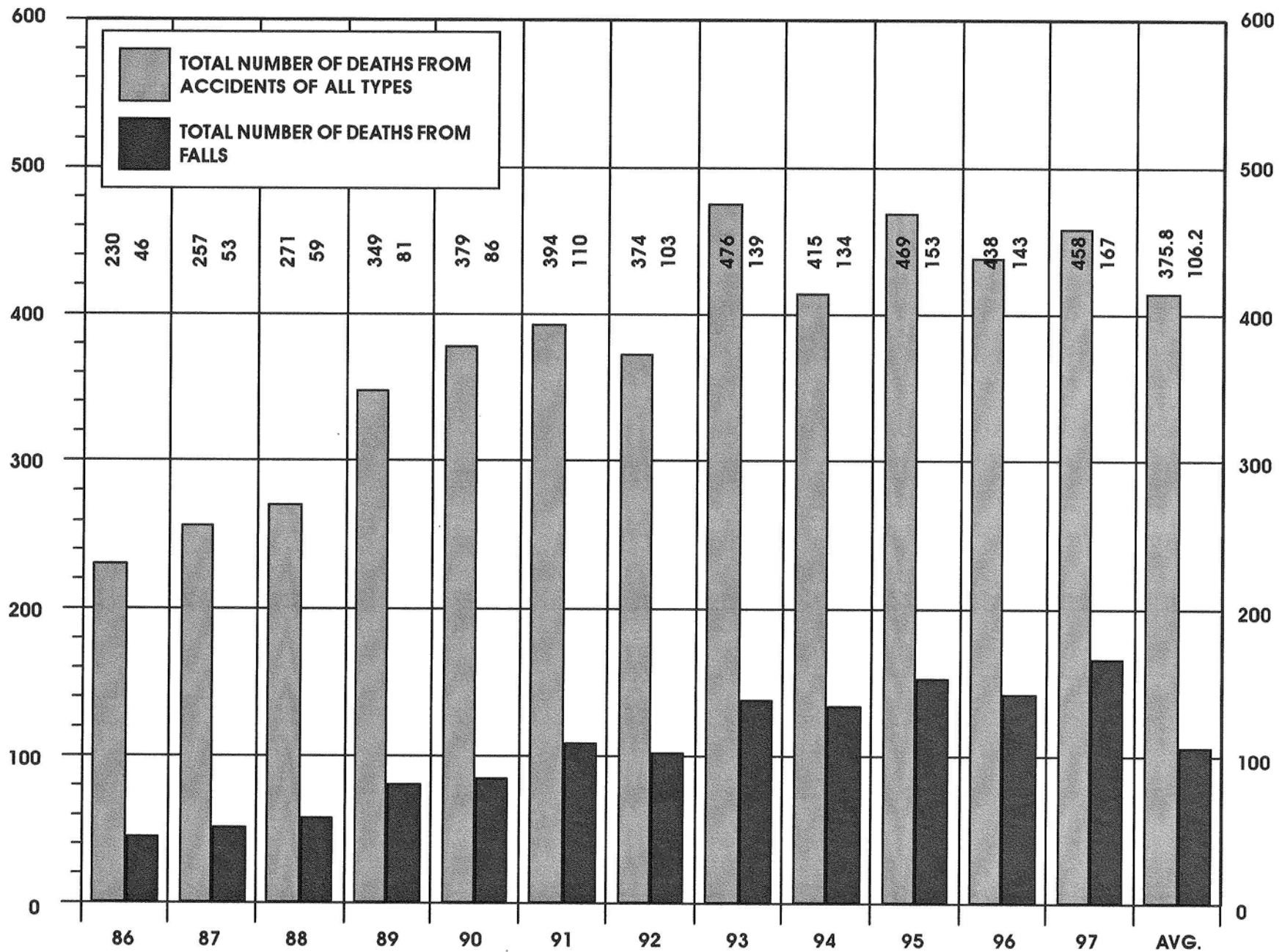
ACCIDENTS IN OTHER PLACES BY MONTH FOR THE YEAR 1997



1997
TOTAL CASES
458

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 PLACES

1997 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	5	4	1	3	1	2		1	1					1	1																
	Non-White	1	1																													
1 - 4	White	1	1											1	1																	
	Non-White	2	1	1										1	1	1	1															
5 - 9	White																															
	Non-White	1	1											1	1																	
10 - 14	White	5	3	2										3	2	3	2															
	Non-White																															
15 - 19	White	3	3		1		1							2	2																	
	Non-White	1		1											1	1																
20 - 24	White																															
	Non-White	1	1											1	1																	
25 - 29	White	8	4	4		2		1			1	4	2	2	2	2		1								1						
	Non-White	4	4		2		2					2		1		1					1											
30 - 34	White	2	2		1		1					1		1																		
	Non-White	2	1	1	1		1						1		1																	
35 - 39	White	10	7	3								7	3	4	2	3	1	2		1						1						
	Non-White	3	3		1		1					2		1		1		1														
40 - 44	White	15	13	2	3	2	2	2		1	10	6		4				1														
	Non-White	10	7	3		1		1			7	2	4	2	3						1									1		
45 - 49	White	6	3	3	2	2	2	1			1	1	1	1	1																	
	Non-White	7	4	3	1					1	3	3	2	3	1															1		
50 - 54	White	15	8	7	6	4	5	4		1	2	3	2	3																		
	Non-White	3	3		2		1			1	1		1																			
55 - 59	White	15	12	3	8	2	3	1		5	1	4	1	4	1																	
	Non-White	6	4	2	2	1	2	1			2	1	1	1	1										1							
60 - 64	White	21	14	7	10	6	8	3		2	3	4	1	4	1																	
	Non-White	7	5	2	3	1	3			1	2	1	1	1	1															1		
65 - 69	White	28	18	10	15	10	7	9		8	1	3		2		1	1															
	Non-White	4	2	2	2	1				2	1		1		1																	
70 - 74	White	36	19	17	16	14	10	14		6		3	3	3	3																	
	Non-White	12	8	4	4	4	3	2		1	2	4		4																		
75 - 79	White	55	28	27	19	22	13	18		6	4	9	5	9	4		1	1														
	Non-White	9	4	5	4	3	3	3		1		2		2																		
80 - over	White	148	43	105	36	90	27	85		9	5	7	15	6	14	1	1	1														1
	Non-White	12	7	5	5	3	4	3		1		2	2	2	1		1		1													
TOTAL	White	373	182	191	120	155	81	138	1	1	38	16	62	36	51	33	11	3	5	1	2											1
	Non-White	85	56	29	28	14	20	10	1		7	4	28	15	20	14	8	1	1	1												
GRAND TOTAL		458	238	220	148	169	101	148	2	1	45	20	90	51	71	47	19	4	6	2	2					7	1	1	2	1	1	

ACCIDENTS IN OTHER PLACES

1997 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		
ASPHYXIA	17	13	4	6	2	4	2	3										13	4	10	4	3	1				1							1			
BOATING	2	1	1	1	1						1					1	1					1	1														
BURNING	1		1				1				1		1																								
CARBON MONOXIDE	1	1		1														1		1																	
EXPOSURE	1		1				1											1		1																	
FALLING	167	61	106	17	30	31	67	13	9	38	85	35	81			3	4	23	21	22	20	1	1										1			1	
POISONING	33	27	6	21	5	6	1			2	1	2	1					25	5	15	4	10	1	1		1		6		1	1	1					
RAILROAD ACCIDENT	3	2	1	1		1				1	1		1					1	1		1	1				1											
STRUCK BY OBJECT	1	1						1										1				1		1													
THERAPEUTIC COMPLICATION	204	121	83	94	61	27	22			103	68	60	53	2	1	41	14	18	15	18	14		1		1												
UNDETERMINED	18	6	12	4	8	1	3	1	1	3	9	3	9					3	3	3	2		1		1												
OTHER*	10	5	5	4	1		4	1		1	4		3			1	1	4	1	2	1	2		2													
TOTAL	458	238	220	149	108	70	101	19	11	148	169	101	148	2	1	45	20	90	51	71	47	19	4	6	2	2		7		1	1	2		1	1		

* Aspiration of activated charcoal, Dove into pool, Fatal reaction to lidocaine, Perinatal head injury, Transfusion of contaminated autologous lymphocytes and Injury while being moved.

1997 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	F	M	F	M	F	M	F	M	F	M	F		
ASPHYXIA:																																							
Aspiration of Foreign Object	1		1																																				
Drowning	16	13	3	6	2	4	1	3																															
TOTAL	17	13	4	6	2	4	2	3																															
BOATING:																																							
Occupant	2	1	1	1	1																																		
TOTAL	2	1	1	1	1																																		
BURNING:																																							
Scalding	1		1																																				
TOTAL	1		1																																				
CARBON MONOXIDE:																																							
Incidental Fire	1	1		1																																			
TOTAL	1	1		1																																			
EXPOSURE:																																							
Heat	1		1																																				
TOTAL	1		1																																				
RAILROAD ACCIDENT:																																							
Passenger	1	1				1																																	
Trespasser	2	1	1	1																																			
TOTAL	3	2	1	1																																			
STRUCK BY OBJECT:																																							
Tree	1	1																																					
TOTAL	1	1																																					
OTHER:																																							
Aspiration of activated charcoal	1	1		1																																			
Dove into pool	1	1																																					
Injury while being moved	5	1	4	1																																			
Perinatal head injury	1	1		1																																			
Reaction of lidocaine	1		1		1																																		
Transfusion of contaminated lymphocytes	1	1		1																																			
TOTAL	10	5	5	4	1				4	1																													

ACCIDENTS IN OTHER PLACES

1997 FATALITIES RESULTING FROM ACCIDENTS IN OTHER PLACES

TABLE 29

MODE - ALCOHOL INCIDENCE

MODE	TOTAL	Total		Cleve.		County		Out of County		NOT TESTED						TESTED			STAGES											
		M	F	M	F	M	F	M	F	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	
POISONING:																														
<i>Single Chemical Agent:</i>																														
Butalbital	1	1				1										1														
Chronic drug abuse	4	3	1	3	1					2	1	2	1			1														
Cocaine	5	4	1	4	1											4	1	4	1											
Fluoxetine	1		1					1								1		1												
Heroin	3	3		3												3		2	1						1					
Potassium chloride	1	1		1												1		1												
Total	15	12	3	11	2	1	1			2	1	2	1			10	2	9	2	1										
<i>Ethanol and:</i>																														
Cocaine	1	1		1												1				1										
Heroin	2	2		1		1										2			2						1					
Opiate	2	2		1		1										2			2		1									
Cocaine and Cannabinoid	1		1		1											1		1												
Cocaine and Heroin	2	1	1	1	1											1	1		1	1					1					
Amitrptyline, Cocaine and Marijuana	1	1		1												1			1			1								
Carisoprodol, Diazepam and Morphine	1	1		1												1			1				1							
Cocaine, Cyclobenzaprine and Theophylline	1	1		1												1			1						1					
Total	11	9	2	7	2	2										9	2	1	9	1	1	1	1	1	5	1	1	1		
<i>Combined Effect of Two or More Chemical Agents:</i>																														
Cocaine and Opiate	2	2		1		1										2		2												
Opiate and Methadone	1	1		1												1		1												
Butalbital, Diazepam and Opiate	1	1		1												1		1												
Chloral hydrate, Nitrous oxide and Lidocaine	1	1				1										1		1												
Heroin, Cocaine and Sertraline	1		1		1													1		1										
Opiates, Propoxyphene and Meprobamate	1	1				1										1		1												
Total	7	6	1	3	1	3										6	1	6	1											
GRAND TOTAL	33	27	6	21	5	6	1			2	1	2	1			25	5	15	4	10	1	1	1	6	1	1	1			

1997 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	M	F		
ASPHYXIA				1			2	1	2	1	1		2			2		2						1						1					1	13	4	17		
BOATING ACCIDENT													1	1																						1	1	2		
BURNING																																				1		1	1	
CARBON MONOXIDE						1																															1		1	
EXPOSURE																																					1		1	
FALLING				1			1							1		1		1		1	1	1	2	2	3			2	7	3	12	13	32	83	61	106	167			
POISONING				1									2		2	1	5	2	11	3	3		1		1				1								27	6	33	
RAILROAD ACCIDENT																			1					1						1							2	1	3	
STRUCK BY OBJECT																																					1		1	
THERAPEUTIC COMPLICATION	5	1							1				3	2	1			1	3	2	4	5	9	4	11	3	15	9	18	10	17	18	19	16	15	12	121	83	204	
UNDETERMINED																1		1						1				1		1					2	2	9	6	12	18
OTHER							1								1		1							1		1									1	4	5	5	10	
TOTAL	5	1	2	1	1		3	2	3	1	1		8	4	3	1	10	3	20	5	7	6	11	7	16	5	19	9	20	12	27	21	32	32	50	110	238	220	458	

ACCIDENTS IN OTHER PLACES

CUYAHOGA COUNTY

RR

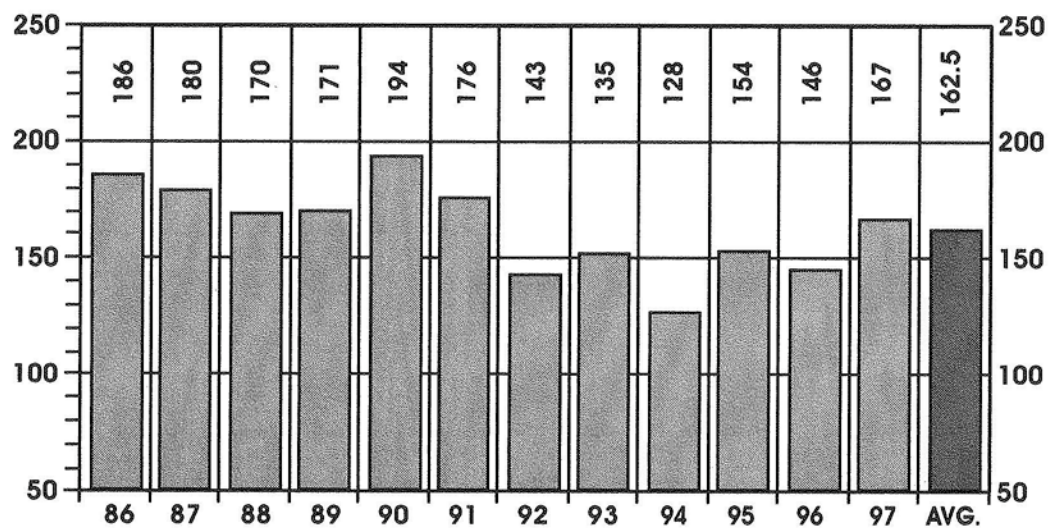
GATES MILLS



VEHICULAR FATALITIES

VEHICULAR FATALITIES

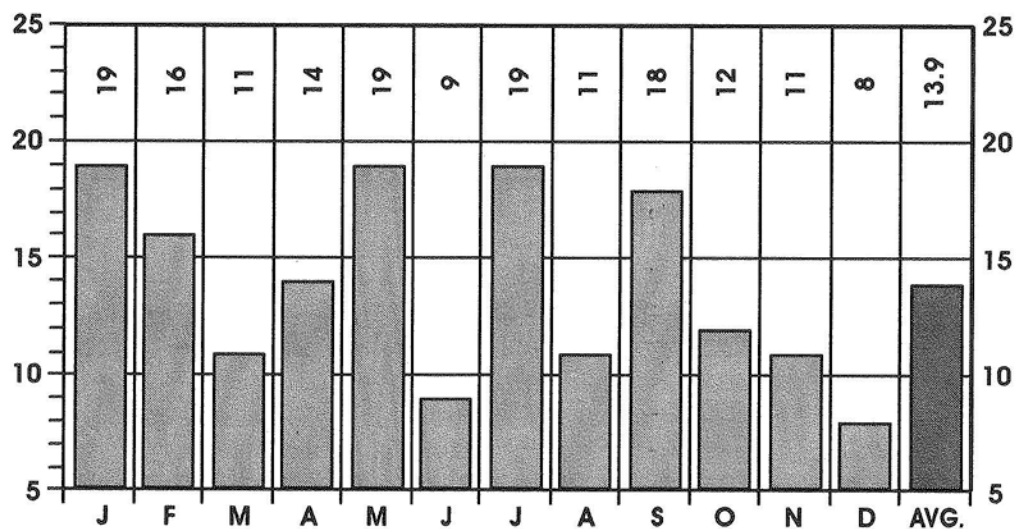
FOR A PERIOD OF TWELVE YEARS



		NUMBER	PERCENT
SEX	MALE	108	65
	FEMALE	59	35
RACE	WHITE	128	77
	NON-WHITE	39	23
ALCOHOL	TESTED	156	93
	POSITIVE	47	30
AUTOPSY	AUTOPSIED	162	97

VEHICULAR FATALITIES

BY MONTH FOR THE YEAR 1997



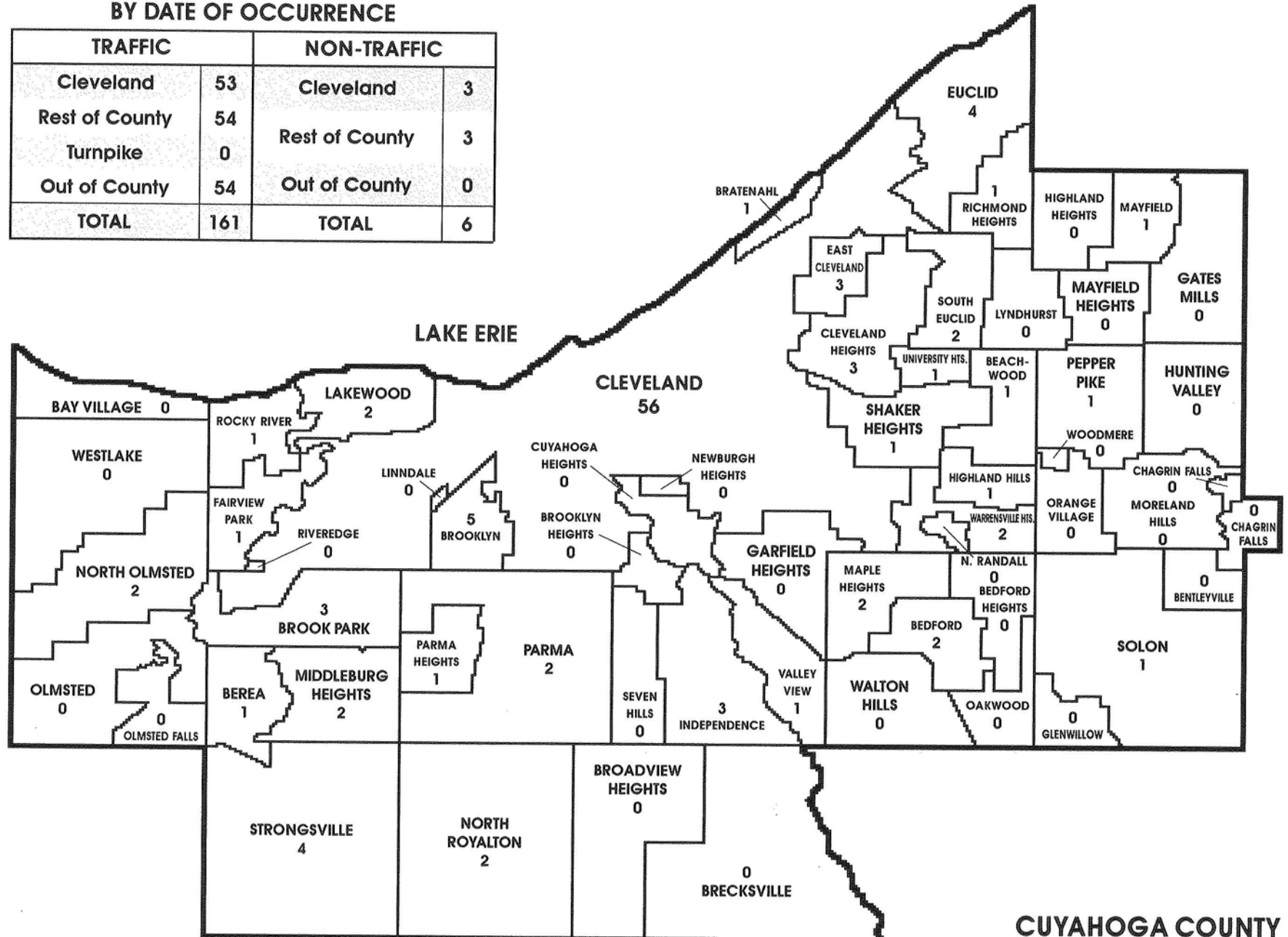
1997
TOTAL CASES
167

MAP 4

DISTRIBUTION OF VEHICULAR FATALITIES

BY DATE OF OCCURRENCE

TRAFFIC		NON-TRAFFIC	
Cleveland	53	Cleveland	3
Rest of County	54	Rest of County	3
Turnpike	0	Out of County	0
Out of County	54	Out of County	0
TOTAL	161	TOTAL	6



VEHICULAR FATALITIES

PHARMACOLOGICAL EFFECTS OF ALCOHOL



FRONTAL LOBE

AFFECTED BY 0.01 - 0.10% ALCOHOL
REACTION IS COLORED BY INDIVIDUAL'S
PERSONALITY

- REMOVAL OF INHIBITIONS
- LOSS OF SELF CONTROL
- WEAKNESS OF WILL POWER
- DEVELOPMENT OF EUPHORIA
- FEELING OF WELL-BEING
- EXULTATION
- INCREASED CONFIDENCE
- EXPANSIVENESS
- ALTERED JUDGEMENT
- INCREASED GOOD FELLOWSHIP
- LOQUACIOUSNESS
- DULLING OF ATTENTION



PSYCHOMOTOR AREAS

(CORTEX)

AFFECTED BY 0.10 - 0.20% ALCOHOL

- APRAXIA
- AGRAPHIA
- ATAXIA
- TREMORS
- SLURRED SPEECH
- LOSS OF SKILL



SOMESTHETO-PSYCHIC AREAS

(FRONTAL AND PARIETAL LOBES)

AFFECTED BY 0.10 - 0.30% ALCOHOL
DULLED OR DISTORTED SENSIBILITIES



CEREBELLUM

AFFECTED BY 0.15 - 0.35% ALCOHOL
DISTURBANCE OF EQUILIBRIUM



VISUO-PSYCHIC AREAS

(OCCIPITAL LOBE)

AFFECTED BY 0.20 - 0.30% ALCOHOL
DISTURBANCE OF:

- COLOR PERCEPTION
- DIMENSIONS
- DIPLOPIA
- FORM MOTION DISTANCE



DIENCEPHALON

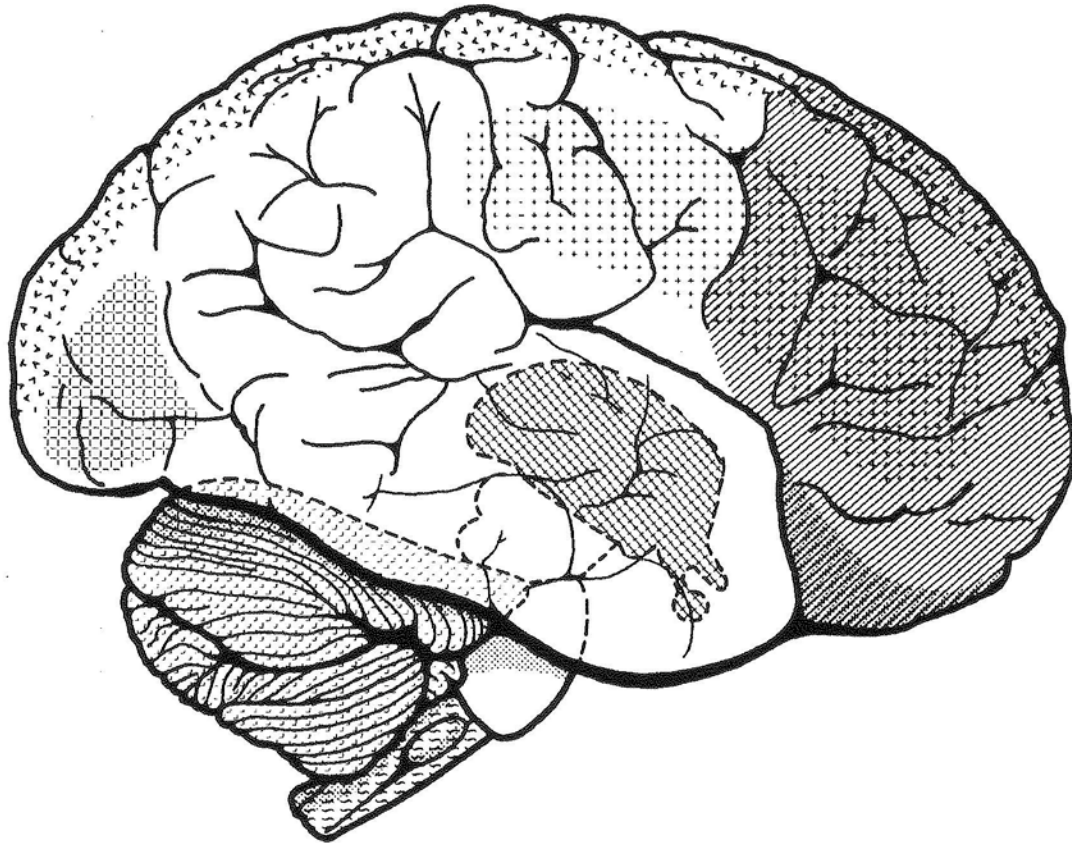
AFFECTED BY 0.25 - 0.40% ALCOHOL
CESSATION OF AUTOMATIC MOVEMENTS
DILATION OF SURFACE CAPILLARIES

- APATHY
- INERTIA
- TREMORS
- SWEATING
- STUPOR
- COMA



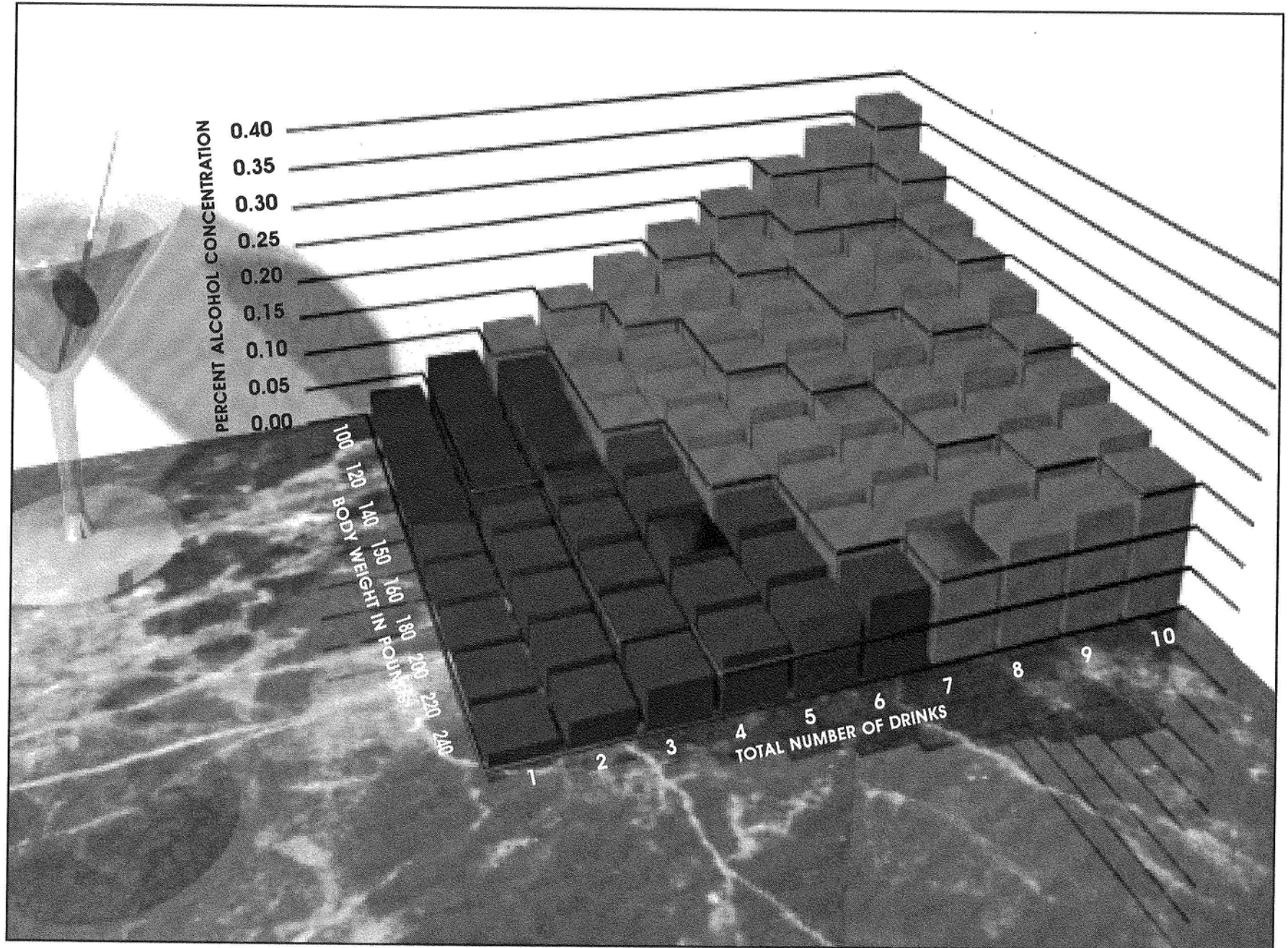
MEDULLA

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



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

VEHICULAR FATALITIES



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

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.

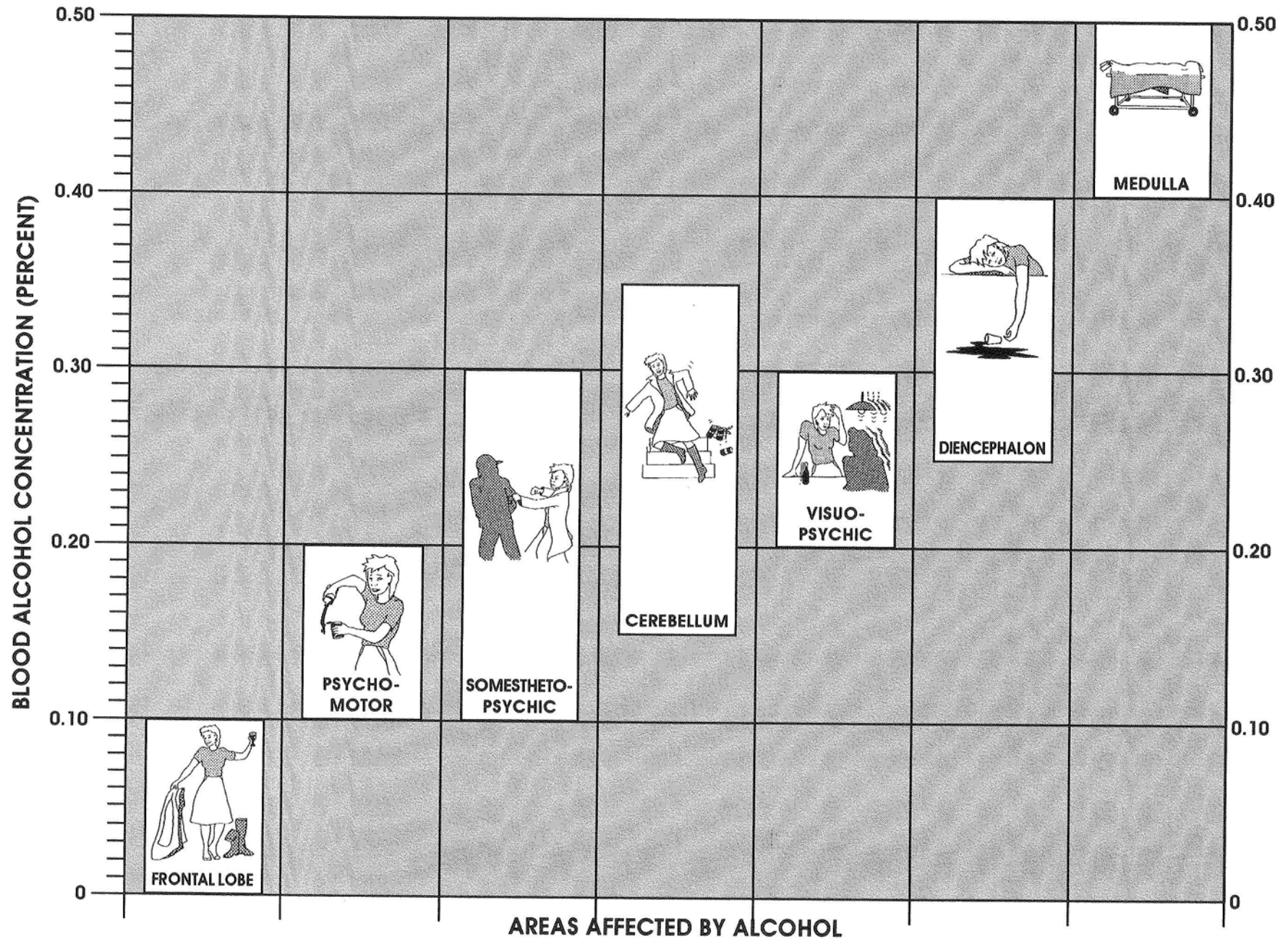
**If these drinks were not taken within one hour deduct one drink from the total number of drinks for each hour that elapsed between the first and last drink.

***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.

VEHICULAR FATALITIES

VEHICULAR FATALITIES

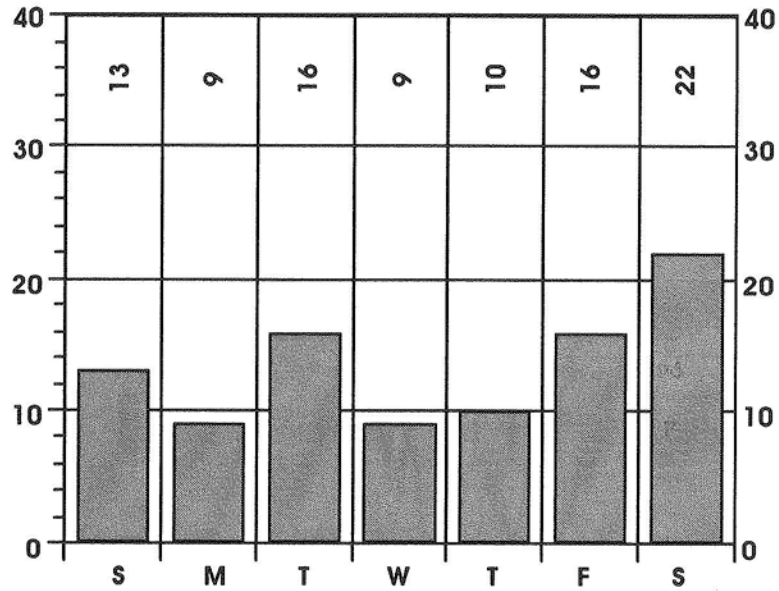
ALCOHOL EFFECTS ON BRAIN DEMONSTRATED PICTORIALLY



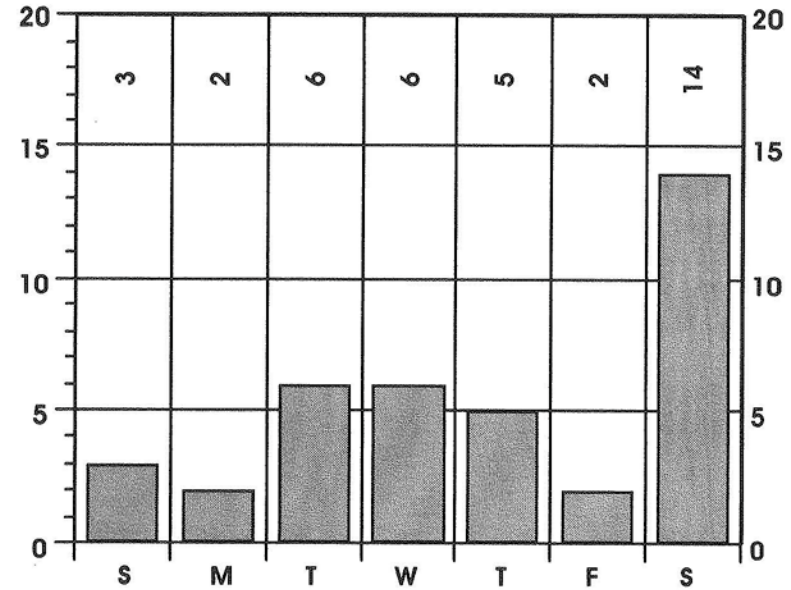
1997 VEHICULAR FATALITIES

DAILY INCIDENCE

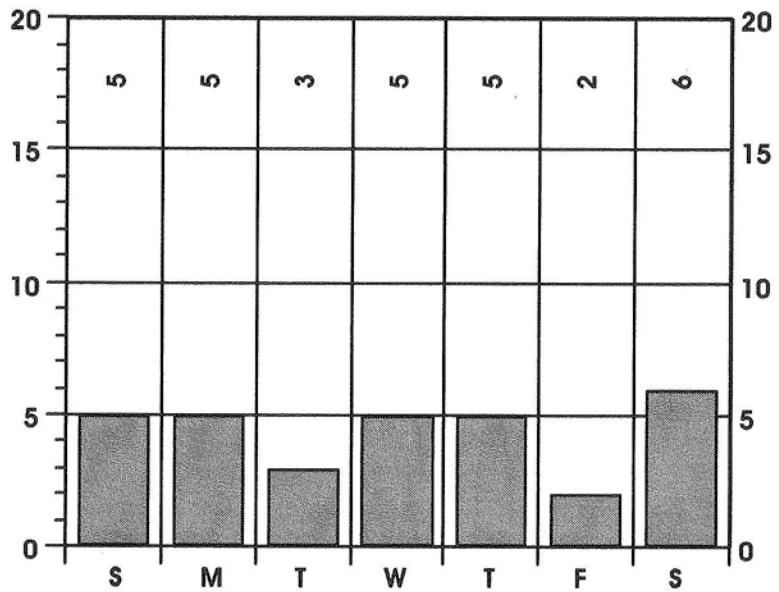
DRIVERS TOTAL - 95*



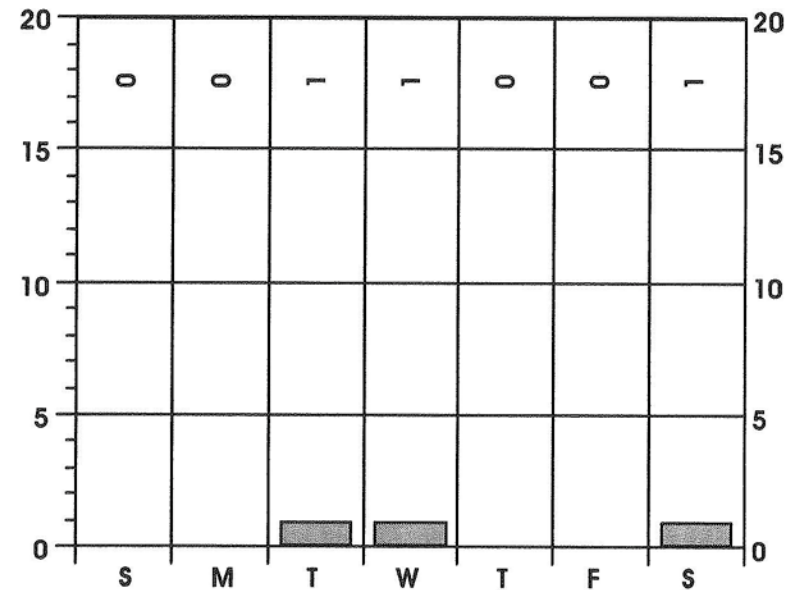
PASSENGERS TOTAL - 38



PEDESTIANS TOTAL - 31



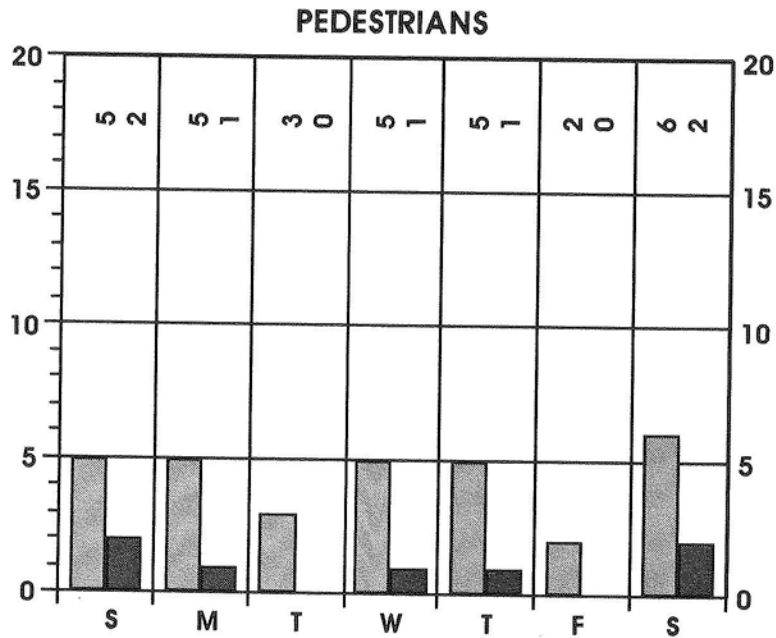
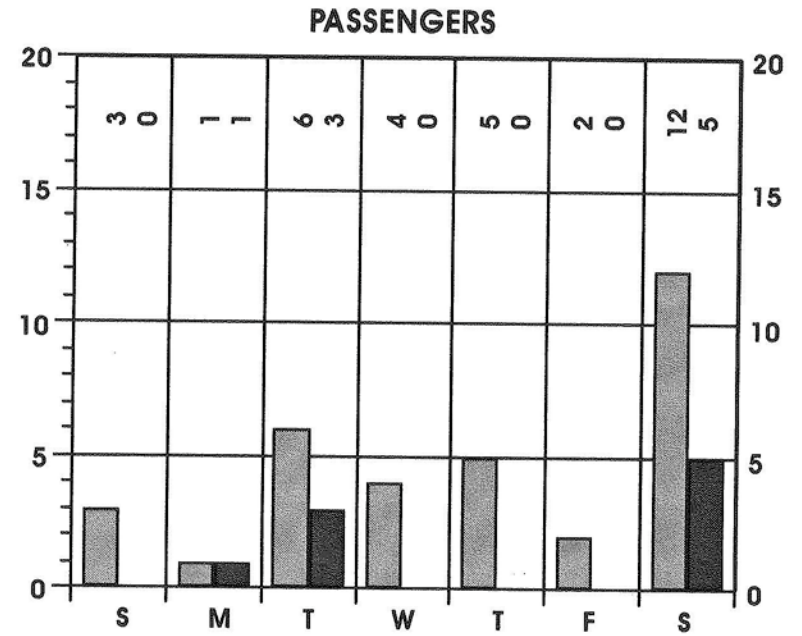
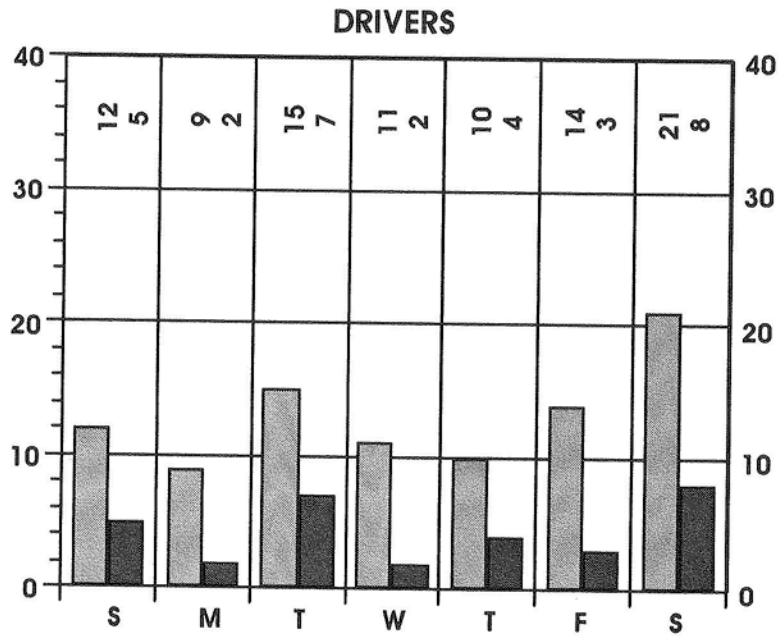
BICYCLISTS TOTAL - 3



*Includes 10 Motorcyclists.

VEHICULAR FATALITIES

1997 VEHICULAR FATALITIES DAILY ALCOHOL INCIDENCE



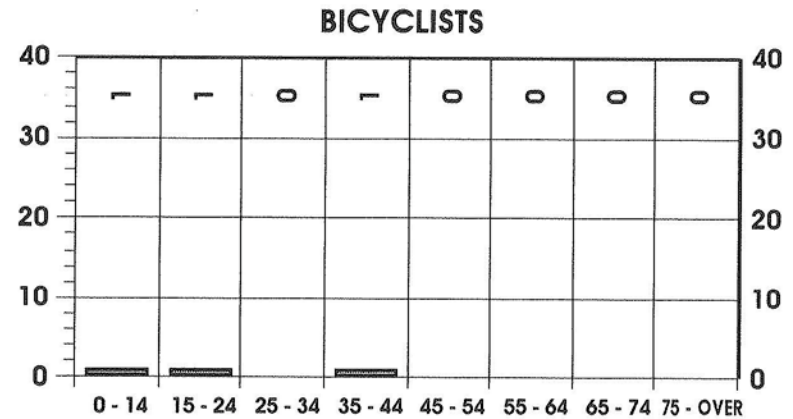
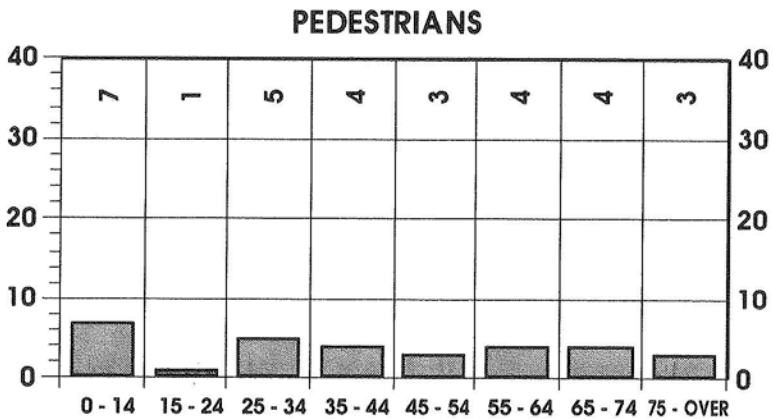
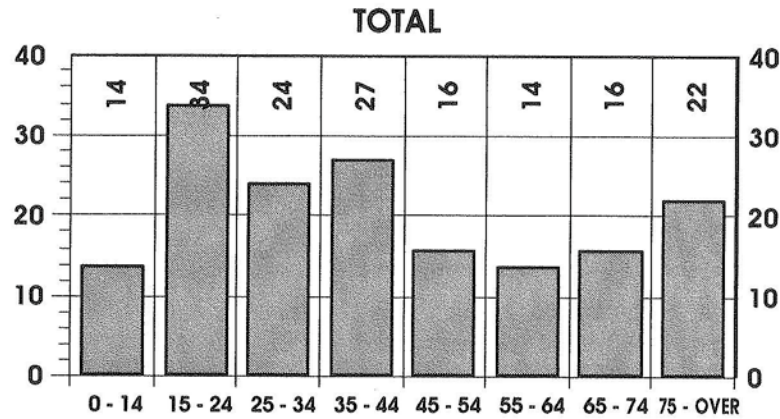
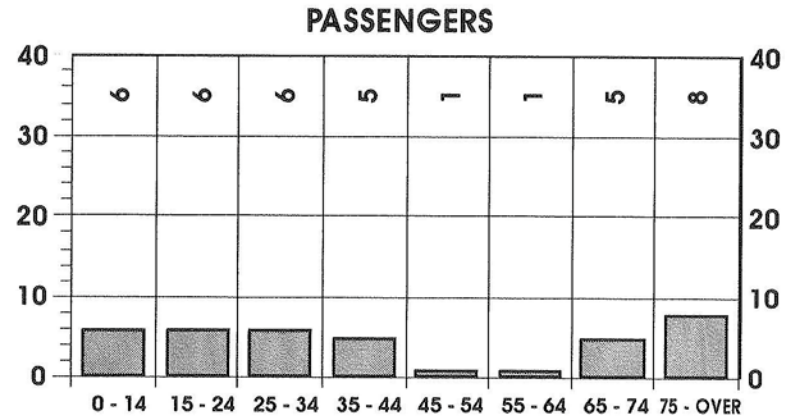
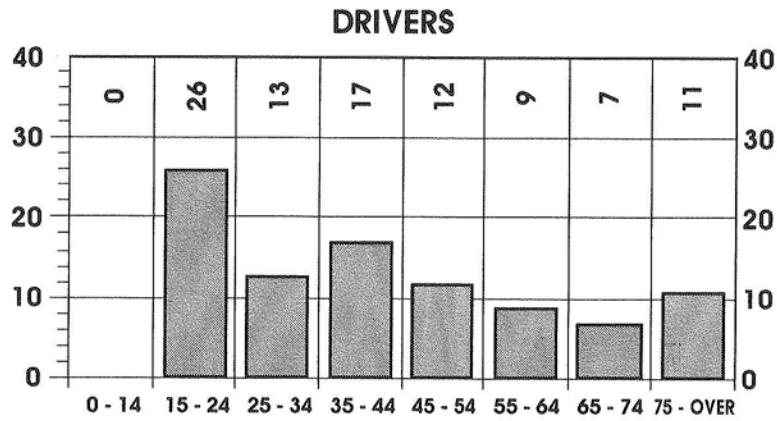
TOTAL TESTED
 TESTED POSITIVE

	TESTED	POSITIVE
DRIVERS:	92	31
PASSENGERS:	33	9
PEDESTRIANS:	31	7
TOTAL	156	47

1997 VEHICULAR FATALITIES

AGE GROUPS - CLASSIFICATION OF VICTIMS

VEHICULAR FATALITIES



1997 VEHICULAR FATALITIES

MONTHLY ALCOHOL INCIDENCE

TABLE 34

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	F							
JANUARY	19	18	1	6	1	7		5				4	4					14	1	10	1	4		2						1				1		
FEBRUARY	16	10	6	3	3	4	2	3	1									10	6	6	5	4	1		2		2	1								
MARCH	11	6	5	1	1	3	1	2	3									6	5	4	4	2	1					1		1	1					
APRIL	14	8	6	1		3	3	4	3									8	6	7	6	1						1								
MAY	19	12	7	6	4	3	2	3	1			1	1					11	7	8	6	3	1	1		1							1			
JUNE	9	5	4	3	1	1	2	1	1				1					5	3	3	3	2						2								
JULY	19	11	8	3	4	3	1	5	3									11	8	6	7	5	1	1			1	2	1		1					
AUGUST	11	7	4	3	2	1	2	3										7	4	3	2	4	2	1	1	1		2		1						
SEPTEMBER	18	12	6	3		8	2	1	4			2	2					10	6	3	6	7						2		3		1		1		
OCTOBER	12	8	4	4		2	2	2	2			1	1					7	4	5	4	2						2								
NOVEMBER	11	7	4	2	2	2		3	2			2	2					5	4	4	3	1	1						1	1						
DECEMBER	8	4	4	2	1	2	1		2									4	4	1	2	3	2				1	1		2				1		
TOTAL	167	108	59	37	19	39	18	32	22			10	1	10	1			98	58	60	49	38	9	5	1	4	2	7	2	11	2	7	1	1	1	3

VEHICULAR FATALITIES

1997 VEHICULAR FATALITIES DAILY ALCOHOL INCIDENCE

TABLE 35

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	M	F	M	F	M	F
SUNDAY	21	13	8	1	1							12	8	7	6	5	2			1	1	1	1	2				1			
MONDAY	16	11	5	1	1							10	5	7	4	3	1					1	1	1						1	
TUESDAY	26	18	8	2	2							16	8	7	7	9	1	1	1	1	1	1		5						1	
WEDNESDAY	22	14	8	1	1	1	1					13	7	10	7	3		1						1						1	
THURSDAY	20	10	10									10	10	6	9	4	1	2	1			1	1								
FRIDAY	19	12	7	1	1							11	7	9	6	2	1							1	1			1			
SATURDAY	43	30	13	4	4							26	13	14	10	12	3	1		2	1	5	2	3		1					
TOTAL	167	108	59	10	1	10	1					98	58	60	49	38	9	5	1	4	2	7	2	11	2	7	1	1	1	3	

1997 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				
Under 1 Year	White	3	2	1	1		1						1	1	1	1																
	Non-White	1	1										1		1																	
1 - 4	White																															
	Non-White	3	2	1									2	1	2	1																
5 - 9	White	1			1									1		1																
	Non-White	1	1										1		1																	
10 - 14	White	2	1	1									1	1		1	1		1													
	Non-White	3	2	1									2	1	2	1																
15 - 19	White	10	5	5									5	5	4	5	1				1											
	Non-White	2	2										2		2																	
20 - 24	White	17	15	2									15	2	6	1	9	1	2				3	2	1	1		1				
	Non-White	5	4	1									4	1	1	1	3							2				1				
25 - 29	White	9	7	2									7	2	3		4	2	1				1				1					
	Non-White	3	3		1		1						2				2		1		1		2									
30 - 34	White	9	7	2									7	2	2	2	5				1		2	1								
	Non-White	3		3									3		2		1		1		1		1									
35 - 39	White	10	7	3	1		1						6	3	1	3	5						3	2								
	Non-White	5	3	2									3	2	2	1	1	1					1	1								
40 - 44	White	10	7	3									7	3	6	3	1										1					
	Non-White	2	2										2		1		1										1					
45 - 49	White	8	4	4									4	4	4	2		2														
	Non-White	3	2	1	1		1						1	1			1	1							1							
50 - 54	White	3	2	1									2	1	1	1	1															
	Non-White	2	2		1		1						1		1								1									
55 - 59	White	6	3	3									3	3	2	3	1						1									
	Non-White	2	1	1									1	1	1	1																
60 - 64	White	5	4	1									4	1	2	1	2															
	Non-White	1	1										1		1								2									
65 - 69	White	8	5	3	1		1						4	3	4	3																
	Non-White																															
70 - 74	White	7	5	2	1		1						4	2	4	1		1					1									
	Non-White	1		1									1		1																	
75 - 79	White	10	3	7	2		2						1	7	1	7																
	Non-White	2	1	1									1	1	1	1																
80 - over	White	10	4	6	1	1	1	1					3	5	3	5																
	Non-White																															
TOTAL	White	128	81	47	7	1	7	1					74	46	44	40	30	6	4			3	2	7	1	9	1	5	1	1	1	1
	Non-White	39	27	12	3		3						24	12	16	9	8	3	1	1	1			1	2	1	2				2	
GRAND TOTAL		167	108	59	10	1	10	1					98	58	60	49	38	9	5	1	4	2	7	2	11	2	7	1	1	1	3	

VEHICULAR FATALITIES

1997 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
AUTO-AUTO Passenger	1		1		1																							
AUTO-FIXED OBJECT Driver	1	1				1																						
AUTO-PEDESTRIAN	1	1			1																							
AUTO - STROLLER Pedestrian	1	1				1																						
BICYCLE-TRUCK Bicyclist	1	1			1																							
TRUCK-FIXED OBJECT Driver	1	1				1																						
TOTAL	6	5	1	2	1	3																						

VEHICULAR FATALITIES

VEHICULAR FATALITIES

1997 VEHICULAR FATALITIES

TABLE 39

TRAFFIC - COLLISION - ALCOHOL INCIDENCE

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
PEDESTRIAN																														
Auto	22	10	12	4	6	3	4	3	2																					
Bus	1	1				1																								
Truck	6	2	4			2	3		1																					
AUTO - AUTO																														
Driver	29	18	11	6	4	8	3	4	4	2	2																			
Passenger	16	5	11	3	4	1	2	1	5	1	1	1	1																	
AUTO - BICYCLE																														
Bicyclist	2	1	1			1	1																							
AUTO - BUS																														
Driver	1	1		1																										
AUTO - FIXED OBJECT																														
Driver	29	26	3	12	1	7	2	7		1	1																			
Passenger	11	6	5		2	5	1	1	2	1	1																			
AUTO - MOTORCYCLE																														
Motorcyclist	3	3		1		1		1																						
AUTO - TRUCK																														
Driver	15	10	5	4	1	4		2	4	1	1																			
Passenger	9	6	3	1		1	1	4	2	2	2																			
GOLF CART - TRUCK																														
Driver	1	1						1																						
MOTORCYCLE - FIXED OBJECT																														
Motorcyclist	5	5		3				2																						
TRUCK - FIXED OBJECT																														
Driver	4	3	1			1		2	1	2	2																			
TRUCK - TRUCK																														
Driver	3	3				1		2																						
TOTAL	157	101	56	35	18	36	17	30	21	10	1	10	1																	

1997 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						
AUTO - AUTO Driver	29	18	11	6	4	8	3	4	4			2	2					16	11	10	9	6	2			1	1	2	1	2	1				
AUTO - BICYCLE Bicyclist	2	1	1			1	1											1	1	1	1														
AUTO - BUS Driver	1	1		1														1				1													
AUTO - FIXED OBJECT Driver	29	26	3	12	1	7	2	7				1	1					25	3	13	2	12	1	2		1		2		3	1	2			2
AUTO - MOTORCYCLE Motorcyclist	3	3		1		1		1										3		2		1				1									
AUTO - TRUCK Driver	15	10	5	4	1	4		2	4			1	1					9	5	5	5	4				1				1		1			1
GOLF CART - TRUCK Driver	1	1						1										1		1															
MOTORCYCLE - FIXED OBJECT Motorcyclist	5	5		3				2										5		3		2				1				1					
TRUCK - FIXED OBJECT Driver	4	3	1			1		2	1			2	2					1	1			1	1							1					
TRUCK - TRUCK Driver	3	3				1		2										3		3															
TOTAL	92	71	21	27	6	23	6	21	9			6	6					65	21	38	18	27	3	2		3	1	4		7	2	7	1	3	

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	F	M	F				
PEDESTRIAN:																																	
AUTO	22	10	12	4	6	3	4	3	2									10	12	8	9	2	3		1			2		1		1	
BUS	1	1				1												1		1													
TRUCK	6	2	4			2	3		1									2	4	1	4	1		1									
TOTAL	29	13	16	4	6	6	7	3	3								13	16	10	13	3	3	1	1			2		1		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	F	M	F			
PASSENGER:																																
AUTO - AUTO	16	5	11	3	4	1	2	1	5									4	10	1	9	3	1			2	1	1				
AUTO - FIXED OBJECT	11	6	5		2	5	1	1	2									5	5	3	3	2	2	1		1		1	1			
AUTO - TRUCK	9	6	3	1		1	1	4	2									4	3	3	3	1		1								
TOTAL	36	17	19	4	6	7	4	6	9								13	18	7	15	6	3	2				1	2	2	2		

1997 VEHICULAR FATALITIES

TRAFFIC - NON-COLLISION - ALCOHOL INCIDENCE

TABLE 40

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 ACCIDENT																														
Driver	1	1					1										1			1										
Passenger	1		1														1				1									
MOTORCYCLE ACCIDENT																														
Motorcyclist	2	2				1		1									2		2											
TOTAL	4	3	1			1		2	1							3	1	2		1	1				1					

VEHICULAR FATALITIES

6 P. 7

1997 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			
DRY	113	71	42	27	12	22	13	22	17			5	1	5	1							66	41	35	36	31	5	4	1	3	1	6	1	9	7	1	1	1	1			
ICE	2	1	1			1			1			1	1									1	1																			
SNOW	4	3	1	2	1			1														3	1	3	1																	
WET	45	31	14	7	5	15	5	9	4			4	4									27	14	22	10	5	4	1			1	1	1	2	2							1
UNKNOWN	3	2	1	1	1	1																2	1	1	2			1										1				
TOTAL	167	108	59	37	19	39	18	32	22			10	1	10	1							98	58	60	49	38	9	5	1	4	2	7	2	11	2	7	1	1	1	3		

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									
DAY	67	39	28	11	4	16	11	12	13			6	1	6	1							33	27	28	27	5				2		1	1							1						
DAWN	1		1					1														1	1																							
DUSK	5	3	2		2	2		1														3	2	2	2	1					1															
NIGHT WITH STREET LIGHTS	76	50	26	23	13	18	7	9	6			2	2									48	26	24	17	24	9	4	1	1	2	4	2	8	2	5	1			1	2					
NIGHT WITHOUT STREET LIGHTS	15	13	2	1		2		10	2			2	2									11	2	6	2	5	1			1	2		1													
UNKNOWN	3	3		2		1																3				3			1					1												1
TOTAL	167	108	59	37	19	39	18	32	22			10	1	10	1							98	58	60	49	38	9	5	1	4	2	7	2	11	2	7	1	1	1	3						

VEHICULAR FATALITIES

1997 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 DRIVER						1			1									1																			2	1	3
MOTORCYCLE DRIVER PASSENGER									4	2	13	2	7	1	3		7	1	6	2	6	2	3	1	1	2	4	1	4	1	2		2	3	2	3	64	21	85
PEDESTRIAN	2	1			1		2		2	1	2	1	1		1	4	1	4			1		1						2	1	2	1	4	2	1	17	21	38	
MOTORCYCLE PASSENGER	1		2	1		1		2		1			1	1	2	1	2		1	1		2	1	1	2	1	1		2	1		1		2	15	16	31		
TOTAL	3	1	2	1	1	1	3	2	7	5	19	3	10	2	7	5	10	5	9	3	6	5	4	1	4	4	5	1	5	3	5	3	4	8	4	6	108	59	167

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					2	1	1		1		1						1		1	1		3	3		2	1			18	1	19		
FEBRUARY									1	3					1		1		1				1		1	2	1	2	1		2				10	6	16		
MARCH											1	1			1				1	1			1	1			2					1	1		6	5	11		
APRIL						1		1		2					1		1	1		1			1				1				1	2			1	8	6	14	
MAY	1		1			1	1		1	1	2	1	1		1	1	2	1					1			1				1					12	7	19		
JUNE	1			1			1	1	1											1			1				1							1	5	4	9		
JULY			1				1	1	3	1	1	1	2				1	1			1			1	2		1	1							11	8	19		
AUGUST									1	3		1	1			2			2			1									1					7	4	11	
SEPTEMBER	1						1	1	5		2				2		1	2				1								1		1			12	6	18		
OCTOBER						1	1		1				1		3						1			1						1	1	1			8	4	12		
NOVEMBER							1			1					1	1	1				3							1	1							7	4	11	
DECEMBER		1			1						1	1				2			1			1														4	4	8	
TOTAL	3	1	2	1	1	1	3	2	7	5	19	3	10	2	7	5	10	5	9	3	6	5	4	1	4	4	5	1	5	3	5	3	4	8	4	6	108	59	167

AUTOPSIES - 1997 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	M	F	
JANUARY						1				2	1	1	1	1					1	1	1			1	1							1	1	12	1	13			
FEBRUARY									1	3					1			1					1		1	2	1		1	1	1	2			10	6	16		
MARCH												1	1	1					1					1	1				1	1			1		8	1	9		
APRIL						1	1		1	2				1	1	1	1						1				1	1		2	1		1		9	7	16		
MAY				1		1	1		1	2	1	1		1			2										1	1							7	6	13		
JUNE	2			1				1	1					1	1				1	1						2				1				1		10	4	14	
JULY				1				1	1	3	1		1	2			1	1			1			1	2		1	1				1		1	10	10	20		
AUGUST										1	4		1	1				2				1							1	1					8	4	12		
SEPTEMBER	1								1	4	1			2		1	1					1									1		1		8	6	14		
OCTOBER						1	2		2	2	1	1			3	1			1				1								1	1			12	3	15		
NOVEMBER							1			1						1	1	1		2								1			1				5	4	9		
DECEMBER		1				1							1	1			2				1	1	1					1						1	6	5	11		
TOTAL	3	1	2	1	1	1	3	2	6	4	19	3	10	2	7	5	10	5	9	3	6	5	3	1	4	4	5	1	5	3	4	3	4	8	4	5	105	57	162

VEHICULAR FATALITIES

TABLE 48

MAJOR INJURY AND SURVIVAL INTERVAL

D.O.A. - Dead on arrival.
*Includes 10 motorcyclists.

MAJOR INJURY	BICYCLIST				DRIVER*				PASSENGER				PEDESTRIAN				TOTAL							
	TOTAL	D.O.A. AT HOSPITAL LESS THAN 12 HOURS	12 - 24 HOURS	1 - 7 DAYS 8 DAYS OR MORE	TOTAL	D.O.A. AT HOSPITAL LESS THAN 12 HOURS	12 - 24 HOURS	1 - 7 DAYS 8 DAYS OR MORE	TOTAL	D.O.A. AT HOSPITAL LESS THAN 12 HOURS	12 - 24 HOURS	1 - 7 DAYS 8 DAYS OR MORE	TOTAL	D.O.A. AT HOSPITAL LESS THAN 12 HOURS	12 - 24 HOURS	1 - 7 DAYS 8 DAYS OR MORE	TOTAL	D.O.A. AT HOSPITAL LESS THAN 12 HOURS	12 - 24 HOURS	1 - 7 DAYS 8 DAYS OR MORE				
To Brain:																								
With Fracture of Skull Only	1		1		13	2	2	5	4	5	4		1	4	4		23	2	10	6	5			
With Fracture of Skull and Body Fractures																								
Without Fracture of Skull																								
TOTAL	1		1		13	2	2	5	4	5	4		1	4	4		23	2	10	6	5			
To Spinal Cord:																								
With Fracture of Vertebra																								
TOTAL																	0							
To Chest																								
With Fracture of Thoracic Cage																								
Without Fracture of Thoracic Cage																								
TOTAL																	0							
To Extremities:																								
TOTAL				2				2	1			1	1			1	4				4			
Multiple Injuries:																								
To Head and Trunk					20	4	13	2	1	6	2	4		2	2		28	6	19	2	1			
To Head, Trunk and Extremities	2	2			52	15	24	5	8	20	3	14	2	1	21	4	12	5	95	24	50	12	9	
To Trunk					5	1	3		1	3	1			2	3	1	2		11	2	6		3	
To Trunk and Extremities					2		2			1				1				3		2			1	
TOTAL	2	2			79	20	42	7	10	30	5	19	2	4	26	5	16	5	137	32	77	14	14	
Miscellaneous Injuries																								
TOTAL					1	1				2			2					3	1			2		
GRAND TOTAL	3	2		1	95	23	44	12	16	38	5	23	4	6	31	5	20	5	1	167	35	87	22	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.

1997 VEHICULAR FATALITIES

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

VEHICULAR FATALITIES

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
UNDER 1 YEAR	1	1													1	1			2			2	4	2		2			
1 - 4															3	2	1					3	2		1				
5 - 9															2	1	1					2	1	1					
10 - 14															5	2	2	1				5	2	2		1			
15 - 19	4	3	1												8	2	5	1				12	2	8		2			
20 - 24	4	1	2		1										17	6	10		1	1	1	22	8	12				2	
25 - 29	3	2	1												9	4	4		1			12	4	6		1	1		
30 - 34	2	2													10	2	8					12	2	10					
35 - 39	2	1			1										13	3	9		1			15	4	9			2		
40 - 44	2		2												10	5	4	1				12	5	4		3			
45 - 49	2		1	1											9	2	5	2				11	2	5		3	1		
50 - 54															5	1	2	1	1			5	1	2		1	1		
55 - 59	1		1												7	1	5	1				8	1	5		2			
60 - 64															6	1	5					6	1	5					
65 - 69															8	2	2	4				8	2	2		4			
70 - 74															8	2	3	1	2			8	2	3		1	2		
75 - 79	1			1						1			1	10	4	2	4					12	4	2		6			
80 - OVER	1		1								3				3	6	5	1				10	5	1		4			
TOTAL	23	2	10	6	5					4				4	137	32	77	14	14	3	1	2	167	35	87	0	22	23	

VEHICULAR FATALITIES

1997 VEHICULAR FATALITIES

TABLE 50

MAJOR INJURY AND SURVIVAL INTERVAL - AGE GROUPS (DRIVERS)

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		
UNDER 1 YEAR																											
1 - 4																											
5 - 9																											
10 - 14																											
15 - 19																7	2	4		1				7	2	4	1
20 - 24	4	1	2		1										14	5	8			1	1	1		19	7	10	2
25 - 29	1			1											8	4	3			1				9	4	3	1
30 - 34															4		4							4		4	
35 - 39	2	1			1										6	2	3			1				8	3	3	2
40 - 44	2			2											7	4	2		1					9	4	2	3
45 - 49	2			1	1										6	1	4		1					8	1	4	2
50 - 54															4	1	2			1				4	1	2	1
55 - 59	1			1											3	2		1						4	2		2
60 - 64															5		5							5		5	
65 - 69															5	1		1	3					5	1		3
70 - 74															2	1				1				2	1		1
75 - 79	1				1						1			1	4	1		1	2				6	1		4	
80 - OVER											1			1	4	3		1					5	3		1	
TOTAL	13	2	2	5	4						2			2	79	20	42		7	10	1	1		95	23	44	12

1997 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	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														2			3	1		2				
1 - 4																										
5 - 9													1	1					1	1						
10 - 14													2	1	1				2	1	1					
15 - 19	2	2											1	1				3	3							
20 - 24													3	1	2				3	1	2					
25 - 29	1	1																1	1							
30 - 34													5	1	4				5	1	4					
35 - 39													5	5					5	5						
40 - 44																										
45 - 49													1	1					1	1						
50 - 54																										
55 - 59													1	1					1	1						
60 - 64																										
65 - 69													2	1		1			2	1			1			
70 - 74													3	1	1	1			3	1	1	1	1			
75 - 79													5	2	1	2			5	2	1	2	2			
80 - OVER	1		1									1	1	1				3	1			2				
TOTAL	5	4	1								1		1	30	5	19	2	4	2		2	38	5	23	4	6

VEHICULAR FATALITIES

VEHICULAR FATALITIES

1997 VEHICULAR FATALITIES

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

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	
UNDER 1 YEAR																										
1 - 4																										
5 - 9																										
10 - 14																										
15 - 19	1	1																								
20 - 24																										
25 - 29	1	1																								
30 - 34	2	2																								
35 - 39																										
40 - 44																										
45 - 49																										
50 - 54																										
55 - 59																										
60 - 64																										
65 - 69																										
70 - 74																										
75 - 79																										
80 - OVER										1				1	1	1										
TOTAL	4	4								1				1	26	5	16	5								

VEHICULAR FATALITIES

1997 VEHICULAR FATALITIES

TABLE 54

GEOGRAPHICAL LOCATION - TYPE OF ACCIDENT - CLASSIFICATION OF VICTIMS

MTC¹ - Motorcycle

CITIES	AUTO														BUS		MTC ¹		TRUCK			TOTALS			GRAND TOTAL			
	AUTO		BICYCLE		BUS		FIXED OBJECT		MOTORCYCLE		PEDESTRIAN		TRUCK		BICYCLE	PEDESTRIAN	FIXED OBJECT	NON-COLLISION	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	
CLEVELAND																												
Bicyclist			1																									
Driver	6	4			1			12	1					4	1							1						
Motorcyclist									1										3				23	6				
Passenger	3	5							2	1												4		4	7			
Pedestrian											5	6													5	6		
BEACHWOOD																												
Bicyclist				1																			1					
BEDFORD																												
Driver													1									1						
Pedestrian																										1		
BEREA																												
Bicyclist														1									1					
BROOK PARK																												
Driver								1							1								2					
Passenger								1																	1			
BROOKLYN																												
Driver	2							2															4					
Pedestrian													1													1		
CLEVELAND HEIGHTS																												
Driver									1														1					
Pedestrian											1	1														1		
EAST CLEVELAND																												
Pedestrian											2	1														1		
EUCLID																												
Driver	2																						3					
Passenger	1																								1			
FAIRVIEW PARK																												
Driver																												
INDEPENDENCE																												
Driver									1														1					
Passenger									2																			
LAKEWOOD																												
Driver		1																										
SUBTOTAL	14	10	1	1	1			19	5	1		8	9	8	1	1			3			1		1				
																							41	10	8	7	8	10
																											84	

1997 VEHICULAR FATALITIES

GEOGRAPHICAL LOCATION - TYPE OF ACCIDENT - CLASSIFICATION OF VICTIMS

TABLE 54 (continued)

CITIES	AUTO												BUS		MTC ¹		TRUCK			TOTALS			GRAND TOTAL				
	AUTO		BICYCLE		BUS		FIXED OBJECT		MOTORCYCLE		PEDESTRIAN		TRUCK		BICYCLE	PEDESTRIAN	FIXED OBJECT	NON-COLLISION	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
MAPLE HEIGHTS Passenger		1																									1
MAPLE HEIGHTS Pedestrian																											1
MIDDLEBURG HEIGHTS Driver																											1
NORTH OLMDSTED Passenger																											1
NORTH OLMDSTED Pedestrian																											1
NORTH ROYALTON Driver	1																										1
NORTH ROYALTON Passenger																											1
PARMA Passenger		1																									1
PARMA Pedestrian																											1
PARMA HEIGHTS Driver	1																										1
PEPPER PIKE Driver		1																									1
RICHMOND HEIGHTS Driver																											1
ROCKY RIVER Driver																											1
SHAKER HEIGHTS Passenger																											1
SOLOM Motorcyclist																											1
SOUTH EUCLID Driver																											1
SOUTH EUCLID Motorcyclist																											1
STRONGSVILLE Driver																											1
STRONGSVILLE Passenger																											1
STRONGSVILLE Pedestrian																											1
UNIVERSITY HEIGHTS Pedestrian																											1
WARRENSVILLE HEIGHTS Driver	1																										1
WARRENSVILLE HEIGHTS Pedestrian																											1
SUB TOTAL	2	4						5	2	1		1	1	2	1												25
TOTAL	16	14	1	1	1			24	7	2		9	10	10	2	1											109

VEHICULAR FATALITIES

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

VILLAGES, TOWNSHIPS AND TURNPIKE	AUTO		TRUCK				TOTALS						GRAND TOTAL			
	AUTO		FIXED OBJECT		PEDESTRIAN		DRIVER		PASSENGER		PEDESTRIAN			BICYCLIST		
	M	F	M	F	M	F	M	F	M	F	M	F		M	F	
VILLAGES:																
BRATENAHL																
Pedestrian							1						1			1
HIGHLAND HILLS																
Driver	1								1							1
MAYFIELD																
Driver	1								1							1
VALLEY VIEW																
Driver					1				1							1
TOTAL	2				1		1		3				1			4

1997 VEHICULAR FATALITIES

GEOGRAPHICAL LOCATION - TYPE OF ACCIDENT - CLASSIFICATION OF VICTIMS

TABLE 56

MTC¹ - Motorcycle
N.C.² - Non-Collision

OUT OF COUNTY	AUTO					MTC ¹		TRUCK					N.C. ²		TOTALS					GRAND TOTAL											
	AUTO		FIXED OBJECT		MOTORCYCLE		PEDESTRIAN		TRUCK		FIXED OBJECT		GOLF CART		PEDESTRIAN		TRUCK		AUTO		MOTORCYCLE		DRIVER		PASSENGER		PEDESTRIAN		BICYCLIST		
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M		F	M	F	M	F	M	F	M	F	M	F
Bicyclist																														0	
Driver	4	4	7					2	4			2	1	1			2		1				15	9					28		
Motorcyclist					1					2										1		4							4		
Passenger	1	5	1	2				4	2										1					6	10				16		
Pedestrian							3	2							1												3	3	6		
TOTAL	5	9	8	2	1		3	2	6	6	2	2	1	1			1	2	1	1	1	19	9	6	10	3	3	54			

VEHICULAR FATALITIES

1997 VEHICULAR FATALITIES

HOURLY - DAILY - ALCOHOL INCIDENCE (BICYCLIST)

TABLE 58

VEHICULAR FATALITIES

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

VEHICULAR FATALITIES

1997 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	POSITIVE		TOTAL		TESTED	POSITIVE	TOTAL		TESTED	POSITIVE	TOTAL		TESTED	POSITIVE	TOTAL		TESTED	POSITIVE	TOTAL		TESTED	POSITIVE	TOTAL		TESTED	POSITIVE																						
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F		M	F	M	F	M	F	M	F																
12 AM									3	3	2				2	2	2	1	1	1	1	1			7	7	5			7																					
1 AM									1					1	1	1				3	2	1			6	4	2			6																					
2 AM	1		1		1									2	2	1				1	1	1			4	2	4	2	2	1	6																				
3 AM	3		3		2				2	2	1								1	1	1			1	7	2	7	2	4	1	9																				
4 AM														1	1	1				2	2	1			3	3	2			3																					
5 AM																			1	1				1	1					1																					
6 AM																																																			
7 AM			1		1				2	2	2				1	1			1	1	1				4	1	4	1	3	1	5																				
8 AM									1	1					1	1				2	1				3	2	2	2			5																				
9 AM															1	1				1	1				2	2					2																				
10 AM							2	2											1	1	1	1			3	2	3	2			5																				
11 AM														1	1	1	1							1	1	1	1				2																				
TOTAL AM	4	1	4	1	3	1	4	4	1				7	2	6	2	5			5	1	5	1	2	6	6	3	4	4	4	2	1	11	2	9	2	2	1	41	10	38	10	18	3	51						
12 PM																				1	1	1			1	1	1					1																			
1 PM			1		1															1	1				2	2	2	2				4																			
2 PM																																																			
3 PM	1		1				1	1						2	1										3	1	2	1				4																			
4 PM																			1	1					1	1						1																			
5 PM	1						1	1											1	1					1	2		2				3																			
6 PM	1		1																1	1	1	1			3	1	3	1				4																			
7 PM																			2	2	1				1	1	1					5																			
8 PM																																																			
9 PM							1	1	1	1	1														1	1	1	1	1				2																		
10 PM																				1	1	1	1			3	2	2	2	1			5																		
11 PM							1	1												1	1				4	1	4	1	2				5																		
TOTAL PM	3	1	2	1			2	3	2	3	1			5	1	4	1	2		2	2	2		3	2	2	2				5	1	5	1	3	23	11	20	11	7	34										
GRAND TOTAL	7	2	6	2	3	1	6	3	6	3	2			12	3	10	3	7		7	3	7	3	2	9	1	9	1	4				7	6	6	6	2	1	16	3	14	3	5	1	64	21	58	21	25	3	85

VEHICULAR FATALITIES

1997 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	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							1	1	1	1	1	1	1	2																
1 AM																																													
2 AM																				1	1	1	1	1	1	1	1	1	1																
3 AM		1		1																2	1	2	1	2	1	2	2	2	2	1	4														
4 AM		1		1					1	1															1	1	1	1		2															
5 AM																																													
6 AM														1	1											1	1			1															
7 AM									1	1	1		1	1											1	1	1	1	1	2															
8 AM									1	1															1	1	1	1		1															
9 AM																1	1								1	1				1															
10 AM																				1	1	1	1		1	1	1	1		2															
11 AM																									1					1															
TOTAL AM		2		2					1					1	1	1	1		1	1				4	3	4	3	3	2	9	8	8	8	4	2	17									
12 PM																			1	1					1	1	1			2															
1 PM														2	2				1	1				1	1		1	3	1	3		4													
2 PM														1											1					1															
3 PM																																													
4 PM																									1	1		1	1		1														
5 PM																								1			1				1														
6 PM														1												1				1															
7 PM																																													
8 PM																1	1										1	1			1														
9 PM														1	1											2	1	2	1	1	3														
10 PM		1		1										1	2	1	2	1	1					1	1		2	3	2	3	1	1	5												
11 PM																									2	2		2	2		2														
TOTAL PM		1		1					1	1	1		2	3	1	2		3	3		1	1		4	3	2	3		8	13	5	12	2	1	21										
GRAND TOTAL		3		3					2	1	1		3	3	3	3	2	1	2	4	1	3		1	4	1	4		1	1	1	1	8	6	6	6	3	2	17	21	13	20	6	3	38

1997 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	
1 AM																											
2 AM																											
3 AM		1		1		1													1	1	1	1	1	1	1	1	
4 AM																											
5 AM																											
6 AM																											
7 AM																											
8 AM														2	2									2	2		
9 AM													1	1	1	1							1	1	1	1	
10 AM		1		1																			1	1			
11 AM						1	1																1	1			
TOTAL AM	2		2		1	1	1					1	1	1	1				1	1	1	3	6	3	6	1	2
12 PM																											
1 PM						1	1												1	1	1	2	2	1		2	
2 PM						1	1												1	1	1	2	1	2	1		
3 PM														1	1								1	1		1	
4 PM									1	1									1	1		2	2			2	
5 PM						1	1															1	1			1	
6 PM	1		1		1				1	1												1	1	1	1	1	
7 PM								1	1							2	2					3	3			3	
8 PM										1	1								1	1		1	1	1	1	2	
9 PM		1		1						1	1	1		1	1							1	2	1	2	1	
10 PM																											
11 PM	1		1			1	1	1					1	1								2	1	2	1	1	
TOTAL PM	2	1	2	1	1	2	2	2	2	1	1	2	1	2		2	2		2	2		2	3	2	3	1	
GRAND TOTAL	2	3	2	3	1	1	3	2	3	2	1	1	2	1	2		4	1	4	1	1	5	5	1	2	2	

VEHICULAR FATALITIES

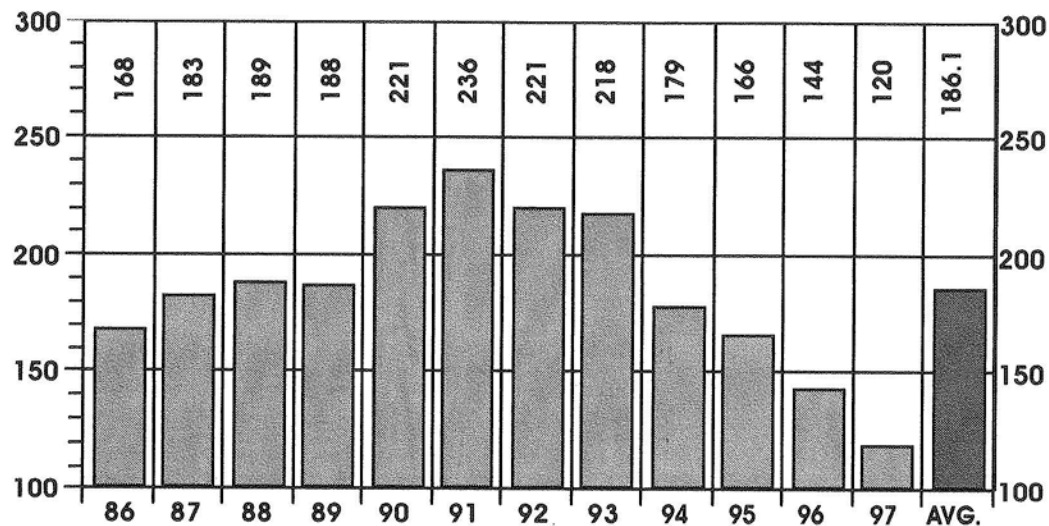
KENT HALE SMITH HALL SCIENCE AND ENGINEERING BUILDING, CASE WESTERN RESERVE UNIVERSITY



HOMICIDES

HOMICIDES

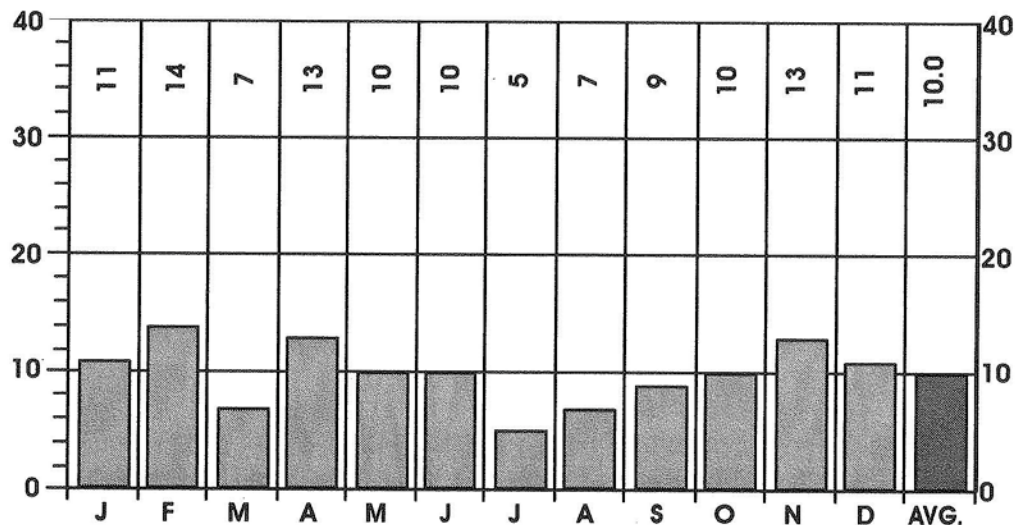
FOR A PERIOD OF TWELVE YEARS



		NUMBER	PERCENT
SEX	MALE	93	78
	FEMALE	27	22
RACE	WHITE	32	27
	NON-WHITE	88	73
ALCOHOL	TESTED	115	96
	POSITIVE	34	30
AUTOPSY	AUTOPSIED	120	100

HOMICIDES

BY MONTH FOR THE YEAR 1997



1997
TOTAL CASES
120

HOMICIDES

1997 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	M	F	M	F
Under 1 Year	White	2		2																										
	Non-White	4	2	2									2	2	2	2														
1 - 4	White																													
	Non-White	2	1	1	1					1				1	1															
5 - 9	White																													
	Non-White	2	1	1		1		1					1	1																
10 - 14	White	3	3																											
	Non-White																													
15 - 19	White	2	2																											
	Non-White	11	10	1									2	1	1	3	1													
20 - 24	White	3	2	1																										
	Non-White	15	11	4	1		1						2	1	1	1	1			1					1					
25 - 29	White	2	2																											
	Non-White	17	11	6									2	2	2	1	1	1	2						1					
30 - 34	White	7	6	1																										
	Non-White	9	6	3									6	1	5	1	1			1	1									
35 - 39	White	3	3																											
	Non-White	10	9	1									3	1	7	1	2		1		1			1						
40 - 44	White	2	2																											
	Non-White	8	7	1	2		2						2	1	3	1	2		1		1					1		1		
45 - 49	White	3	3																											
	Non-White	5	4	1									3	2		1	1		1											
50 - 54	White	1	1																											
	Non-White	3	2	1									4	1	2		2	1	1											
55 - 59	White	1		1																										
	Non-White																													
60 - 64	White																													
	Non-White	1	1										1	1																
65 - 69	White																													
	Non-White	1	1																											
70 - 74	White	1	1																											
	Non-White																													
75 - 79	White																													
	Non-White																													
80 - over	White	2	2																											
	Non-White																													
TOTAL	White	32	27	5									27	5	15	3	12	2	3											
	Non-White	88	66	22	4	1	3	1	1				62	21	46	17	16	4	5	1	6			4	1	2		1	1	
GRAND TOTAL		120	93	27	4	1	3	1	1				89	26	61	20	28	6	8	1	9	1	6	1	1	2	1	1	2	

1997 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	M
ARSON	3	3		3																								
ASSAULT	24	18	6	10	1	8	2		3	2		2																1
BURNING	1	1		1																								
EXPLOSION	1	1				1																						
SHOOTING	70	60	10	46	8	12	2	2		1		1																1
SMOTHERING	2	1	1	1			1			1				1														
STABBING	11	9	2	7	2	2																						1
STRANGULATION	5	1	4	1	2		2																					1
UNDETERMINED	1	1					1																					
OTHERS*	2		2		2							1		1														
TOTAL	120	93	27	68	16	23	8	2	3	4	1	3	1	1														1

*Auto Accident

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												
	ARSON					1		2																																		3		3				
ASSAULT	2	2		1					1				1	3			2	3		5		1																			18	6	24					
BURNING		1																																								1		1				
EXPLOSION																																											1		1			
SHOOTING							1		8		12	2	8	6	11		8	1	3		5		2	1				1		1												60	10	70				
SMOTHERING		1	1																																									1		2		
STABBING									3		1		1		1		1		1		1		1			1																	9	2	11			
STRANGULATION									1		1		1		1		1		1		1		1																					1		5		
UNDETERMINED											1		1																																1		1	
OTHER						1																																								2		2
TOTAL	2	4	1	1	1	1	3	12	1	13	5	13	6	12	4	12	1	9	1	7	1	3	1			1	1			1	1												2	93	27	120		

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HOMICIDES

1997 HOMICIDES (JUSTIFIABLE - DURING LEGAL INTERVENTION)

TABLE 68

PLACE OF OCCURENCE - 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	F
HOME CIRCUMSTANCES:																															
During or following the commission or attempted commission of a felony																															
<i>Police</i>	1	1				1										1	1														
PUBLIC CIRCUMSTANCES:																															
During or following the commission or attempted commission of a felony																															
<i>Police</i>	4	4		4											4	1	3				1	1	1								
TOTAL	5	5		4		1									5	2	3				1	1	1								

HOMICIDES

1997 HOMICIDES (NON-JUSTIFIABLE)

TABLE 69A PLACE OF OCCURENCE - 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
PUBLIC CIRCUMSTANCES:																													
During or following an argument																													
<i>Acquaintance</i>	11	8	3	7	2	1	1									8	3	5	1	3	2	1	1				1	1	1
Relative																													
<i>Brother</i>	1		1				1									1		1											
<i>Stranger</i>	1	1														1													
<i>Unknown</i>	3	3		1		2										3		1											
<i>More than one</i>	3	3		2		1										3		3											
During or following the commission or attempted commission of a felony																													
<i>More than One</i>	3	3		3												3		2											
Unknown Public Circumstances																													
<i>Unknown</i>	18	14	4	11	4	3		1	1							13	4	7	2	6	2	1		1		3	1	1	1
Other Public Circumstances																													
<i>Acquaintance</i>	9	9		8		1		1	1							8		7			1				1				
<i>Stranger</i>	3	2	1	2	1				1	1						2						2			1				
<i>Unknown</i>	1	1		1												1									1				
<i>More than One</i>	7	7		6		1										7		5			2				1		1		
TOTAL	60	51	9	41	7	9	2	1	2	1	2	1				49	8	31	4	18	4	5	1	6	4	1	2	1	2

1997 HOMICIDES

HOMICIDES IN CUYAHOGA COUNTY 1973 - 1997

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*
1973	327	271	82.87	24	20	10	2
1974	362	301	83.14	19	28	11	3
1975	351	274	78.06	29	30	7	11
1976	305	238	78.03	23	29	8	7
1977	300	233	77.67	27	31	6	3
1978	268	211	78.73	17	26	12	2
1979	325	236	72.62	32	37	5	15
1980	314	233	74.20	32	29	6	14
1981	269	208	77.32	25	21	8	7
1982	251	168	66.93	32	36	4	11
1983	196	126	64.29	22	32	8	8
1984	202	121	59.90	34	33	10	4
1985	188	117	62.23	19	32	10	10
1986	169	114	67.46	21	22	4	8
1987	183	102	55.74	25	30	5	21
1988	189	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

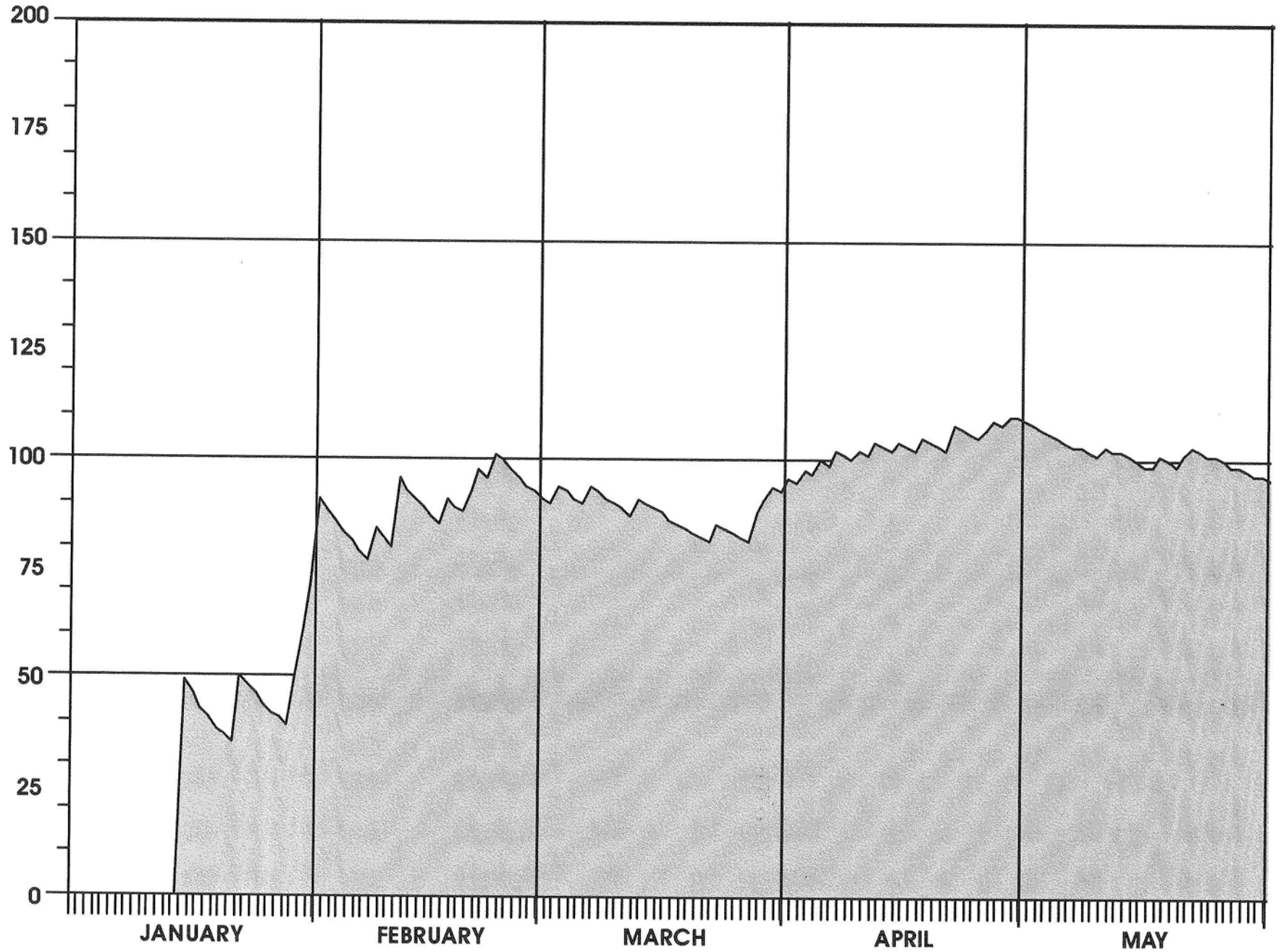
*Arson, Asphyxia by Plastic Bag, Automobile Crash, Burning, Carbon Monoxide, Dragged by Auto, Drowning, Explosion, Exposure, Heat Stroke, Hit by Concrete Block, Jumped from Window when Threatened, Multiple Modes, Neglect, Obstruction of Airway by Foreign Object, Poisoning, Pushed in Front of Bus, Run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

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HOMICIDES

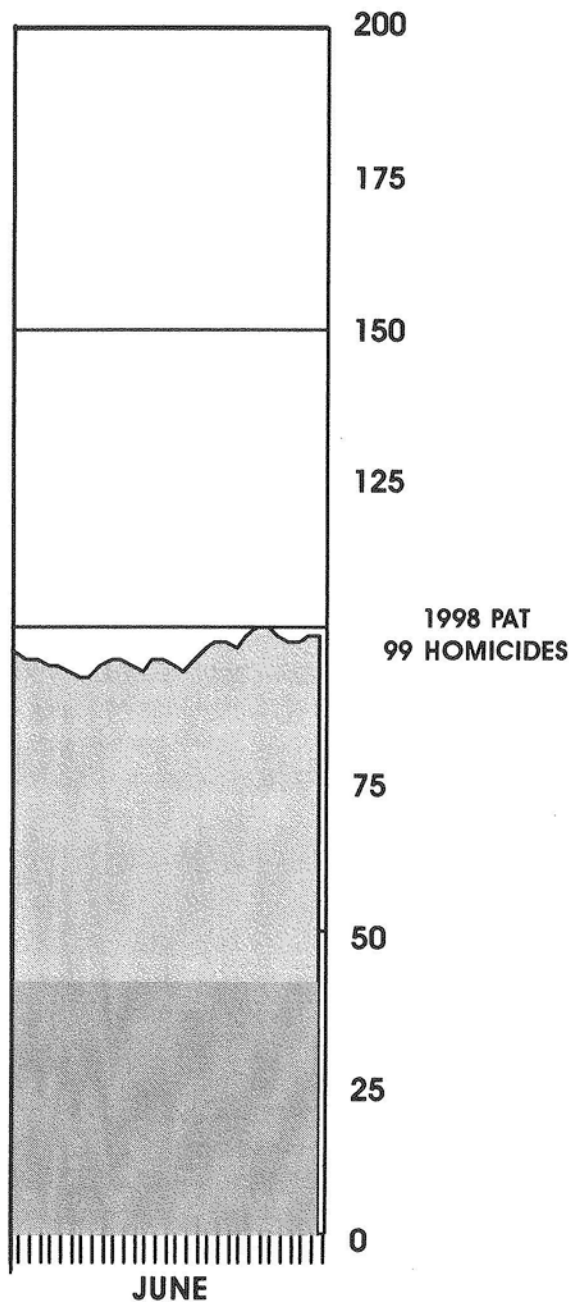
HOMICIDES

1998 MOVING PROJECTED ANNUAL HOMICIDE TOTAL



HOMICIDES

1998 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.

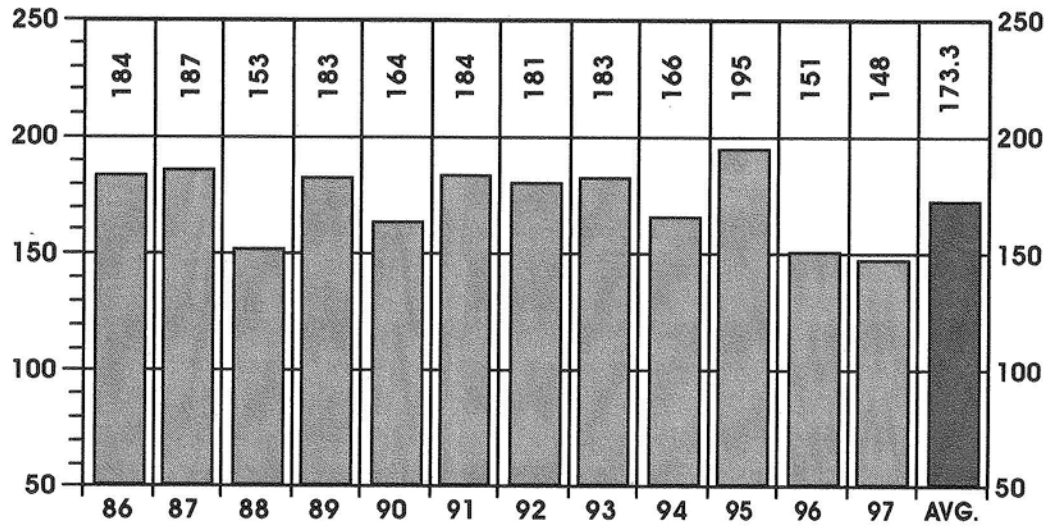
Thus, if ten homicide victims were to have been pronounced dead in Cuyahoga County from January 1 until midnight of February 5, 36 days will have elapsed since the year began, and accordingly the PAT at that time is determined as follows: PAT equals 365 times 10 divided by 36 which equals 101.36 (rounded 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 1996 Coroner's Statistical Report (pp. 140 - 141), the projected annual homicide total for 1996 was plotted through June 30, 1997. The number of homicides for the entire 1996 calendar year was projected to be **129**. The actual number of homicides occurring in 1997 was **120**.



SUICIDES

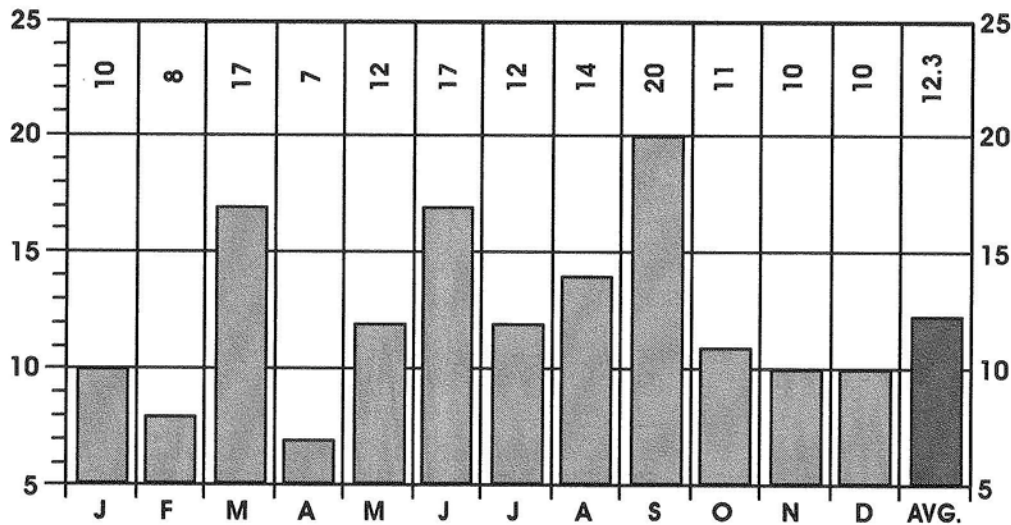
FOR A PERIOD OF TWELVE YEARS



		NUMBER	PERCENT
SEX	MALE	121	82
	FEMALE	27	18
RACE	WHITE	118	80
	NON-WHITE	30	20
ALCOHOL	TESTED	145	98
	POSITIVE	46	32
AUTOPSY	AUTOPSIED	146	99

SUICIDES

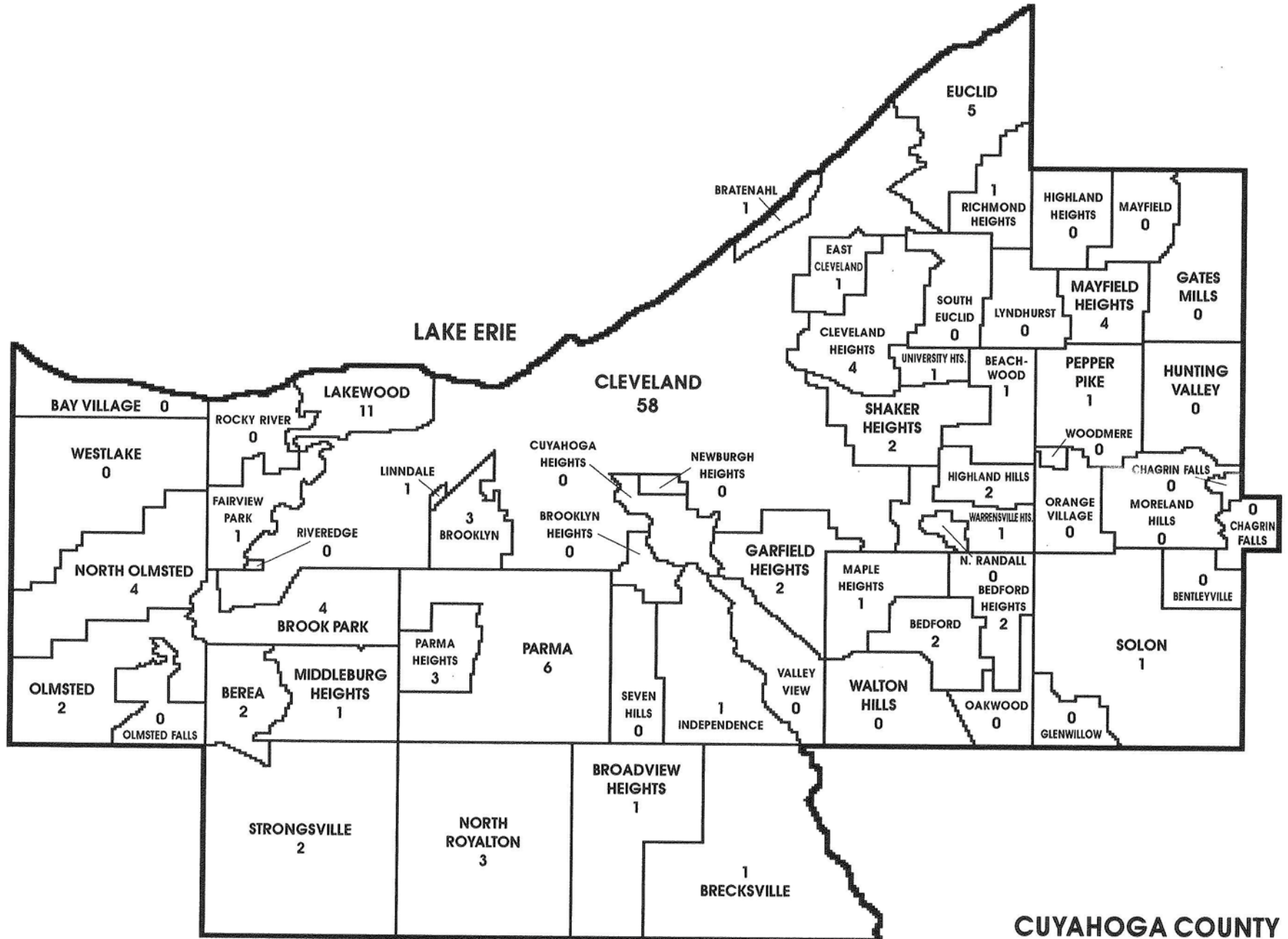
BY MONTH FOR THE YEAR 1997



1997
TOTAL CASES
148

MAP 6

1997 SUICIDES
SUICIDE DISTRIBUTION



CUYAHOGA COUNTY

1997 SUICIDES

MODE - ALCOHOL INCIDENCE

TABLE 72

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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	30	5	14	2	15	3	1																							
BURNING	1		1					1																							
CARBON MONOXIDE	13	7	6	1	1	6	5																								
JUMPING	9	8	1	5		3	1																								
POISONING	12	6	6	5	2	1	3		1		1																				
SHOOTING	72	66	6	20	5	37	1	9		2		1			1																
STABBING	2	1	1	1			1																								
STRUCK BY TRAIN	4	3	1	2		1	1																								
TOTAL	148	121	27	48	10	63	15	10	2	2	1	1	1		1																

TABLE 73

MODE - ALCOHOL INCIDENCE

MODE	TOTAL	NOT TESTED								TESTED						STAGES													
		Total		Cleve.		County		Out of County		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		
ASPHYXIA:																													
Drowning	2	1	1		1	1									1	1	1	1											
Hanging	30	27	3	14	1	12	2	1						27	3	16	1	11	2	3	1	3		2		1	1	1	1
Plastic Bag	3	2	1			2	1							2	1	1	1	1		1									
TOTAL	35	30	5	14	2	15	3	1						30	5	18	3	12	2	4	1	3		2		1	1	1	1
BURNING																													
Set Self on Fire	1		1					1						1		1													
TOTAL	1		1					1						1		1													
CARBON MONOXIDE:																													
Auto Exhaust	13	7	6	1	1	6	5							7	6	6	5	1	1									1	1
TOTAL	13	7	6	1	1	6	5							7	6	6	5	1	1									1	1
JUMPING:																													
Balcony	3	3		1		2								3		2		1											1
Bridge	4	4		3		1								4		3		1				1							
Window	2	1	1	1			1							1	1	1	1												
TOTAL	9	8	1	5		3	1							8	1	6	1	2				1							1

1997 SUICIDES

POISONING - ALCOHOL INCIDENCE

TABLE 74

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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	F	M	F
Single Chemical Agent:																															
Bupropion	1		1				1									1		1													
Caustic Alkali Substance	1	1		1											1		1														
Cyanide	1	1		1											1			1		1											
Flurazepam	1		1				1			1		1																			
Loxapine	1		1		1										1		1														
Combined Effect of																															
Ethanol and:																															
Carisoprodol and																															
Hydromorphone	1	1				1									1			1											1		
Combined Effect of																															
Two Chemical Agents:																															
Acetaminophen and																															
Propoxyphene	1	1		1											1		1														
Propoxyphene and																															
Diazepam	1	1		1											1		1														
Theophylline and Verapamil	1	1		1											1		1														
Verapamil and Imipramine	1		1					1							1		1														
Combined Effect of																															
Three Chemical Agents:																															
Guaifenesin, Diphenhydramine																															
and Chlorpheniramine	1		1				1								1		1														
Hydrocodone, Doxepine																															
and Carbamazepine	1		1		1										1		1														
TOTAL	12	6	6	5	2	1	3	1	1	1				6	5	4	5	2	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						1		1		2	1	5		4		3		5	2	1	1	1		1						2		1	1	3		30	5	35	
BURNING													1																								1		1
CARBON MONOXIDE																2		1		1		1			1	1		1	1		1		2		1	7	6	13	
JUMPING											1					2		2		1												1	2		8	1	9		
POISONING												1		2	1	1	1	1	1	1		1	1				1						1		6	6	12		
SHOOTING						1		2		4	1	4		10		3		9		6	1	7		3	1	2		3	2	5	1	4		3	66	6	72		
STABBING																			1														1			1	1	2	
STRUCK BY TRAIN																1		1	1													1			3	1	4		
TOTAL						2		3		7	2	10	1	16	1	12	1	19	5	9	3	10		4	2	3		4	4	7	2	7	4	8	2	121	27	148	

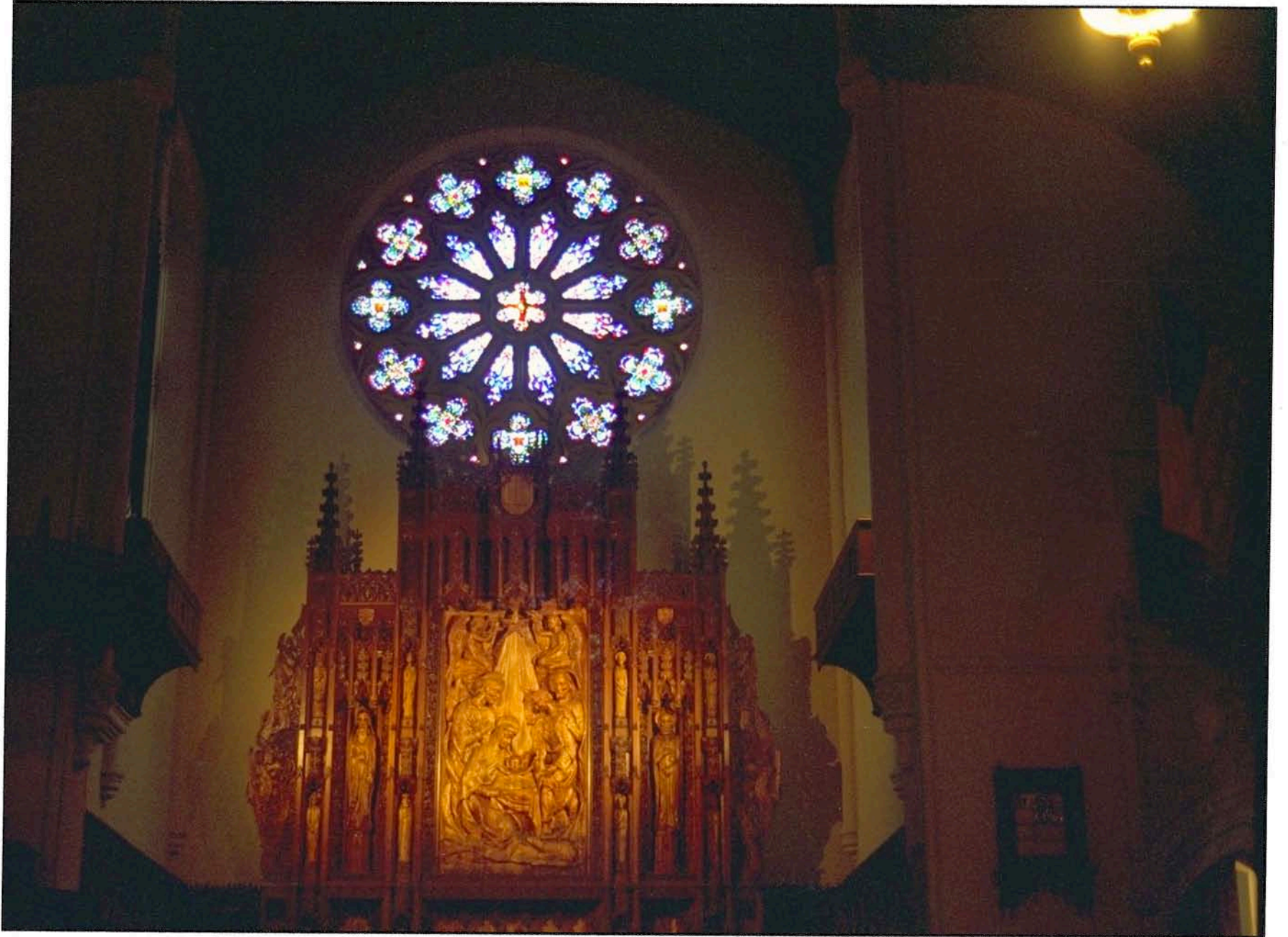
1997 SUICIDES

MODE, GEOGRAPHICAL LOCATION AND MARITAL STATUS

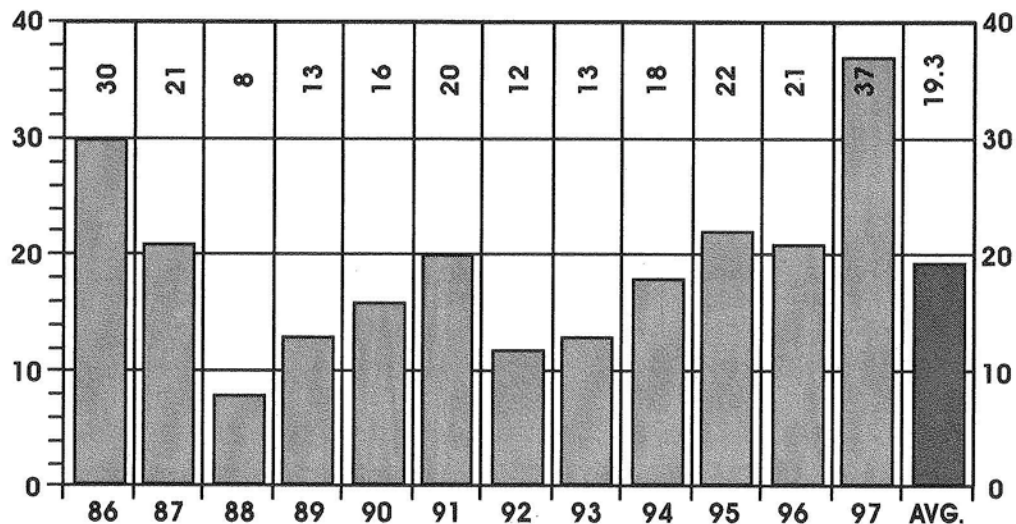
TABLE 76

MODE	CLEVELAND										COUNTY										OUT OF COUNTY										GRAND TOTAL					
	MARRIED		SINGLE		WIDOWED		DIVORCED		UNKNOWN		TOTAL		MARRIED		SINGLE		WIDOWED		DIVORCED		UNKNOWN		TOTAL		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								
ASPHYXIA	2		8				3	2	1			14	2	5	1	6	1	3		1	1			15	3			1				1	30	5	35	
BURNING																																1	1	1		
CARBON MONOXIDE							1	1				1	1	6			4		1					6	5							7	6	13		
JUMPING			3		1		1					5			1	2			1					3	1							8	1	9		
POISONING	1	1	4			1						5	2				1	1	2				1	3			1				1	6	6	12		
SHOOTING	6	2	8	1		2	6					20	5	11		11	1	5		10			37	1	6		2		1			9	66	6	72	
STABBING	1											1							1				1									1	1	2		
STRUCK BY TRAIN			1				1					2		1	1								1	1								3	1	4		
TOTAL	10	3	24	1	1	3	12	3	1		48	10	23	3	19	2	8	5	13	5		63	15	6	1	3		1	1			10	2	121	27	148

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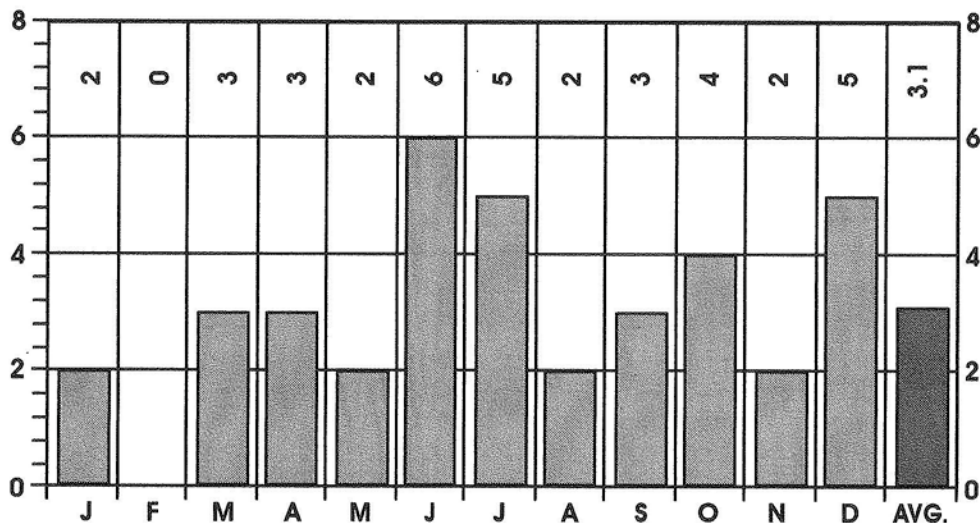


VIOLENCE OF UNDETERMINED ORIGIN FOR A PERIOD OF TWELVE YEARS



		NUMBER	PERCENT
SEX	MALE	26	70
	FEMALE	11	30
RACE	WHITE	21	57
	NON-WHITE	16	43
ALCOHOL	TESTED	37	100
	POSITIVE	8	22
AUTOPSY	AUTOPSIED	37	100

VIOLENCE OF UNDETERMINED ORIGIN BY MONTH FOR THE YEAR 1997



1997
TOTAL CASES
37

1997 FATALITIES FROM VIOLENCE OF UNDETERMINED ORIGIN

TABLE 77

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
JANUARY	2	1	1	1	1																									
FEBRUARY	0																													
MARCH	3	2	1	1		1			1													1								
APRIL	3	3		2		1																1								
MAY	2	2		2																										
JUNE	6	4	2	3	1	1	1																							
JULY	5	3	2	1	1	1	1	1																			1			
AUGUST	2	2				1		1															1							
SEPTEMBER	3	1	2	1	2																									
OCTOBER	4	2	2	2	1			1																						
NOVEMBER	2	2		2																										
DECEMBER	5	4	1	2	1	2																								
TOTAL	37	26	11	17	7	7	3	2	1																					

1997 FATALITIES FROM VIOLENCE OF UNDETERMINED ORIGIN

CAUSE OF DEATH - ALCOHOL INCIDENCE

TABLE 78

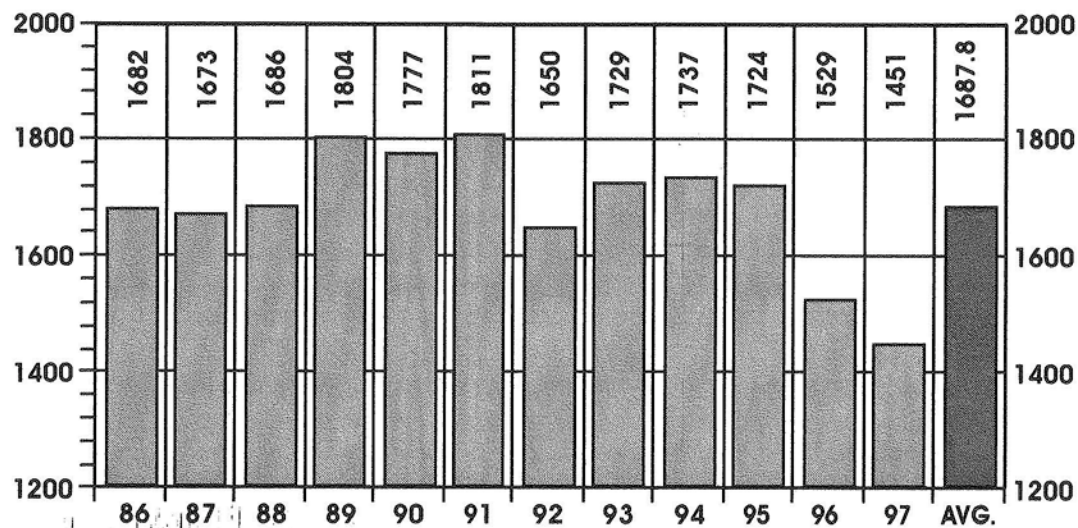
CAUSE OF DEATH	TOTAL	NOT TESTED												TESTED						STAGES											
		Total		Cleve.		County		Out of County		Total		Surv'd Too Long	Under Age		Other		Total		Neg.	Pos.	0.01% 0.04%	0.05% 0.09%	0.10% 0.14%	0.15% 0.19%	0.20% 0.24%	0.25% 0.29%	0.30% or over				
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
DROWNING	2	2		2													2			2	1	1									
CARBON MONOXIDE	1	1						1									1	1													
EXPOSURE	1	1		1													1	1													
POISONING	1	1		1													1	1													
SHOOTING	1	1				1											1	1													
INJURY TO BODY	12	8	4	6	2	1	1	1	1								8	4	8	4											
UNDETERMINED	19	12	7	7	5	5	2										12	7	6	7	6	2	1	1	2						
TOTAL	37	26	11	17	7	7	3	2	1								26	11	18	11	8	3	2	1	2						

UNDETERMINED VIOLENCE

NATURAL CAUSES

NATURAL CAUSES

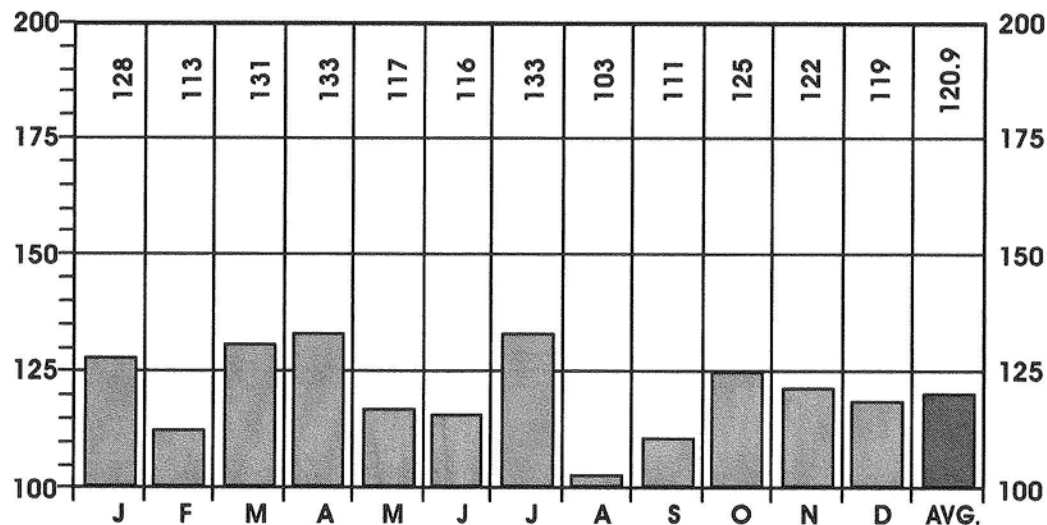
FOR A PERIOD OF TWELVE YEARS



		NUMBER	PERCENT
SEX	MALE	876	60
	FEMALE	575	40
RACE	WHITE	973	67
	NON-WHITE	478	33
ALCOHOL	TESTED	1259	87
	POSITIVE	127	10
AUTOPSY	AUTOPSIED	615	42

NATURAL CAUSES

BY MONTH FOR THE YEAR 1997



1997
TOTAL CASES
1,451

1997 DEATHS FROM NATURAL CAUSES MONTHLY ALCOHOL INCIDENCE

TABLE 80

MONTH	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					
JANUARY	128	67	61	7	11	2	2			5	9	60	50	52	48	8	2	1	1	5		1	1			1						
FEBRUARY	113	63	50	5	12	2	4			3	8	58	38	51	33	7	5	3	2	1	2	1				1		1	1			
MARCH	131	82	49	8	6	3				5	6	74	43	66	42	8	1	2		2	1	1		1		2						
APRIL	133	85	48	10	8	3	3	1		6	5	75	40	69	39	6	1	4				2			1							
MAY	117	75	42	5	10	1	4			4	6	70	32	63	31	7	1	4		3	1											
JUNE	116	76	40	9	6	3	2			6	4	67	34	58	31	9	3	5	3			3		1								
JULY	133	85	48	18	11	12	4			6	7	67	37	63	31	4	6	1	3	1	1	2					2					
AUGUST	103	60	43	4	10		3			4	7	56	33	46	28	10	5	5	3	1	1	1		2		1					1	
SEPTEMBER	111	69	42	11	7	1				10	7	58	35	55	34	3	1			1	1						1	1				
OCTOBER	125	74	51	5	3	1				4	3	69	48	61	42	8	6	6	5		1	1		1								
NOVEMBER	122	71	51	7	7	2	1			5	6	64	44	56	43	8	1	4			1	3							1			
DECEMBER	119	69	50	7	5	1	1			6	4	62	45	51	39	11	6	9	3	1	1			2	1							
TOTAL	1451	876	575	96	96	31	24	1		64	72	780	479	691	441	89	38	44	20	15	9	16	3	6	1	5	2	2	2	1	1	

1997 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	2							1									1								2	2	4
Neoplasms	1	1			5	1	2	2	2	1	2		3		1	1	2	1	1	2	2		1	19	12	31	
Allergic, Endocrine System, Metabolic and Nutritional Diseases				1		1	2		1	1		1	2			2	1	1			4		1	8	10	18	
Diseases of the Blood and Blood-forming Organs				1									2		1										4	4	
Mental, Psychoneurotic and Personality Disorders**																				2				2		2	
Diseases of the Nervous System and Sense Organs	1	1	1	1		1					1										1			4	3	7	
Diseases of the Circulatory System	58	51	56	42	66	43	72	39	69	38	62	32	72	37	55	36	59	32	66	44	57	42	62	42	754	478	1232
Diseases of the Respiratory System		4	3	3	4	1	4	3	1	2	5	2	2	3	1		1	4	2	3		1	1	2	24	28	52
Diseases of the Digestive System	2	1	2		4	2	3	2			5		3	1	1	1	2	1	3	1	8	1	1	2	34	12	46
Diseases of the Genito-urinary System		1		1			1								1	1					1			3	3	6	
Deliveries and Complications of Pregnancy, Childbirth and the Puerperium				1							1				1						1	1		2	3	5	
Diseases of the Skin and Cellular Tissue		1																							1	1	
Diseases of the Bones and Organs of Movement	1																							1		1	
Congenital Malformations					2						1	1	1	1	1									4	3	7	
Certain Diseases of Early Infancy									1		1												1	1	2	3	
Symptoms, Senility and Ill-defined Conditions***	2	1		1	1		2		1		2	3	4	1	2	3	1	1	2	1		3	1	18	14	32	
TOTAL	67	61	63	50	82	49	85	48	75	42	76	40	85	48	60	43	69	42	74	51	71	51	69	50	876	575	1451

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

**In Mental, Psychoneurotic and Personality Disorders 2 were due to Alcoholism. (Alcoholism with associated physical disease totaled 19)

***Sudden Infant Death Syndrome totaled 19.

NATURAL CAUSES

1997 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	2							1									1												
Neoplasms					3	1	2	1		1	2		1				1	1				2	1				2	2	4
Allergic, Endocrine System, Metabolic and Nutritional Diseases				1		1	1		1	1		1			1	1	1					3		1			5	9	14
Diseases of the Blood and Blood-forming Organs				1										1		1											3	3	
Mental, Psychoneurotic and Personality Disorders**																						2					2	2	
Diseases of the Nervous System and Sense Organs	1		1	1		1					1													1		4	2	6	
Diseases of the Circulatory System	20	15	21	11	27	13	31	12	28	12	22	11	26	10	26	10	26	10	33	17	22	10	23	10	305	141	446		
Diseases of the Respiratory System	1	4	3	3	4	1	3	3	1	2	3	1	1			3	2	3			1	1	2	19	23	42			
Diseases of the Digestive System	2	1	1		3	2	2	2	1		3		2			2	1	2	1	4	1	1	2	23	10	33			
Diseases of the Genito-urinary System				1			1								1						1				2	2	4		
Deliveries and Complications of Pregnancy, Childbirth and the Puerperium			1								1											1	1		2	2	4		
Diseases of the Skin and Cellular Tissue																											0		
Diseases of the Bones and Organs of Movement	1																									1	1		
Congenital Malformations					2						1	1		1	1	1										4	3	7	
Certain Diseases of Early Infancy									1				1										1		1	2	3		
Symptoms, Senility and Ill-defined Conditions***	2	1			1	1	2		1		2	3	4	1	2	2	1	1	2	1		3	1	17	14	31			
TOTAL	29	21	27	18	40	20	41	20	33	16	32	17	33	17	29	14	33	17	39	23	32	17	30	17	398	217	615		

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

**In Mental, Psychoneurotic and Personality Disorders 2 were due to Alcoholism. (Alcoholism with associated physical disease totaled 17)

***Sudden Infant Death Syndrome totaled 19.

1997 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	2	3	1	4		1		1			4	1	2	1	2	1	1	1	2	1		3	3	19	17	36
1 - 4				1								1	1												1	2	3
5 - 9																			1						1		1
10 - 14						1	1			1					1										2	2	4
15 - 19		1						1													1		1		4		4
20 - 24			1			1	1	2	1		1		2				2		1						9	3	12
25 - 29		1							1	1	1								1	1					3	3	6
30 - 34	2	1	2	2	1		3				1		2		2		1	1	1	2		1	2		17	7	24
35 - 39	2	1	2		6	1	3	2		2	2		2	1	1	4	6	2	1	4	3		2		30	17	47
40 - 44	5	4	1		5	4	4	4	4	1	6	1	3	3	4	2	3	1	3	3	5		4		47	23	70
45 - 49	4	5	4	1	8	4	6	2	11	2	8	2	7	4	5	2	7	6	6	3	8	4	4	2	78	37	115
50 - 54	4	5	3	4	11	3	3	1	5	3	5	1	9	3	4	1	6	1	14	1	9	3	6	1	79	27	106
55 - 59	5	3	4	4	8	3	7	1	11	3	8	6	13	5	8	3	6	3	6	2	7	7	6	4	89	44	133
60 - 64	5	2	8	2	7	3	12	8	8	2	11	1	10	1	6	3	9	5	5	7	8	3	3	6	92	43	135
65 - 69	10	5	9	5	7	6	12	5	12	2	3	6	2	5	8	3	12	4	5	5	4	2	13	4	97	52	149
70 - 74	11	6	10	7	11	7	10	6	10	3	13	9	8	4	7	6	7	5	8	7	6	7	13	8	114	75	189
75 - 79	8	11	12	5	6	1	15	4	7	5	8	3	14	8	7	3	5	8	9	4	9	7	3	9	103	68	171
80 - over	9	14	4	18	8	15	7	12	4	17	9	6	11	12	6	14	4	5	12	10	11	16	10	12	95	151	246
TOTAL	67	61	63	50	82	49	85	48	75	42	76	40	85	48	60	43	69	42	74	51	71	51	69	50	876	575	1451

NATURAL CAUSES

NATURAL CAUSES

1997 AUTOPSIES - DEATHS FROM NATURAL CAUSES MONTHS AND AGE GROUPS

TABLE 84

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	2	3	1	4		1		1			3	1	3	1	1	1	1	1	2	1		3	3	19	16	35	
1 - 4				1								1														2	2	
5 - 9																		1								1	1	
10 - 14						1				1					1											1	2	3
15 - 19		1						1													1		1			4	4	
20 - 24			1			1	1	2	1		1		2				2		1							9	3	12
25 - 29									1	1	1								1	1						3	2	5
30 - 34	2	1	2	2	1		3				1		2		2		1	1	1	2		1	2			17	7	24
35 - 39	2	1	2		5		3	2		2	2		2		1	4	6	1	1	4	2		1			27	14	41
40 - 44	5	4	1		4	2	4	3	4		5	1	2	3	3	2	3	1	1	3	3		4			39	19	58
45 - 49	4	2	3	1	6	4	5	2	10	2	7	2	5	4	5	1	7	3	6	2	6	3	3	2	67	28	95	
50 - 54	2	3	1	1	7	2	2	1		2	1		4	1	1		1		10		7	2	7	1	43	13	56	
55 - 59			3	1	2	1	5		3	2	1	2	3	1	1	1	3	1	2	1	3	4	2			28	14	42
60 - 64	3		2		3	2	7	3	2		5		5	1	4		2	2	2	4	2	1		3	37	16	53	
65 - 69	3	4	3	3	1	1	4		2		2	1			3		5	1	2	1	1	1	3	2	29	14	43	
70 - 74	2		3	1	4	3	1	3	5	1	2	3			5	2	1	1	3	2	2	2	2	1	30	19	49	
75 - 79	3	2	2	4	2	1	2	1	2	1	3	3	4		2	2	1	3	3	1	2	1	1	2	27	21	48	
80 - over	1	1	1	3	1	2	3	2	2	4	1	1	3	4		1		2	4		3	1	2	2	21	23	44	
TOTAL	29	21	27	18	40	20	41	20	33	16	32	17	33	17	29	14	33	17	39	23	32	17	30	17	398	217	615	

1997 DEATHS FROM NATURAL CAUSES

INTERNATIONAL CODE OF CAUSES OF DEATH LISTED BY AGE GROUPS

TABLE 85

CLASSIFICATION OF DISEASES BY CODE*	Under 1 Year		1-4		5-9		10-14		15-19		20-24		25-29		30-34		35-39		40-44		45-49		50-54		55-59		60-64		65-69		70-74		75-79		80 and Over		TOTAL		GRAND TOTAL		
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F			
Infective and Parasitic Diseases																1																					1	2	2	4	
Neoplasms																	2	1	1		2		1	1	2		1	1	2	2	4	5	3	1	1	2	19	12	31		
Allergic, Endocrine System, Metabolic and Nutritional Diseases																1	1		1		3	3	1	2		1				2				2	1	8	10	18			
Diseases of the Blood and Blood-forming Organs			1																1								1		1									4	4		
Mental, Psychoneurotic and Personality Disorders**																			1																			2	2		
Diseases of the Nervous System and Sense Organs																			1																				4	3	7
Diseases of the Circulatory System							1		2	5	2	2	1	13	5	18	9	32	16	61	28	72	19	84	40	84	39	94	46	104	65	95	61	90	144	754	478	1232			
Diseases of the Respiratory System	3	1	1		1	1	1	1	2		1	1	1		2	3		2	1	2		3	1	1	3	1	1	3	2	4	2	3	2	2	24	28	52				
Diseases of the Digestive System			1								1					7	1	8	1	8	3	5		2	2	1	1		1	1	1		1	1	34	12	46				
Diseases of the Genito-urinary System													1		1	2						1						1								3	3	6			
Deliveries and Complications of Pregnancy, Childbirth and the Puerperium	2	2						1																													2	3	5		
Diseases of the Skin and Cellular Tissue													1																									1	1		
Diseases of the Bones and Organs of Movement																						1																1	1		
Congenital Malformations	3			1												1	1	1																			4	3	7		
Certain Diseases of Early Infancy	1	2																																			1	2	3		
Symptoms, Senility and Ill-defined Conditions***	10	10				1			2				1		1				2	1			1												1	18	14	32			
TOTAL	19	17	1	2	1		2	2	4	9	3	3	3	17	7	30	17	47	23	78	37	79	27	89	44	92	43	97	52	114	75	103	68	95	151	876	575	1451			

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

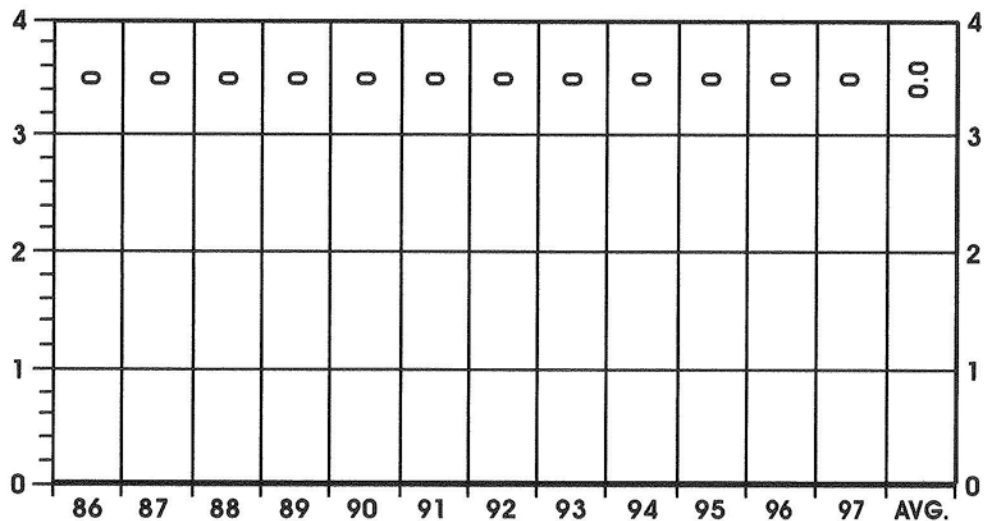
**In Mental, Psychoneurotic and Personality Disorders 2 were due to Alcoholism. (Alcoholism with associated physical disease totaled 19)

***Sudden Infant Death Syndrome totaled 10.

NATURAL CAUSES

ABORTION FATALITIES

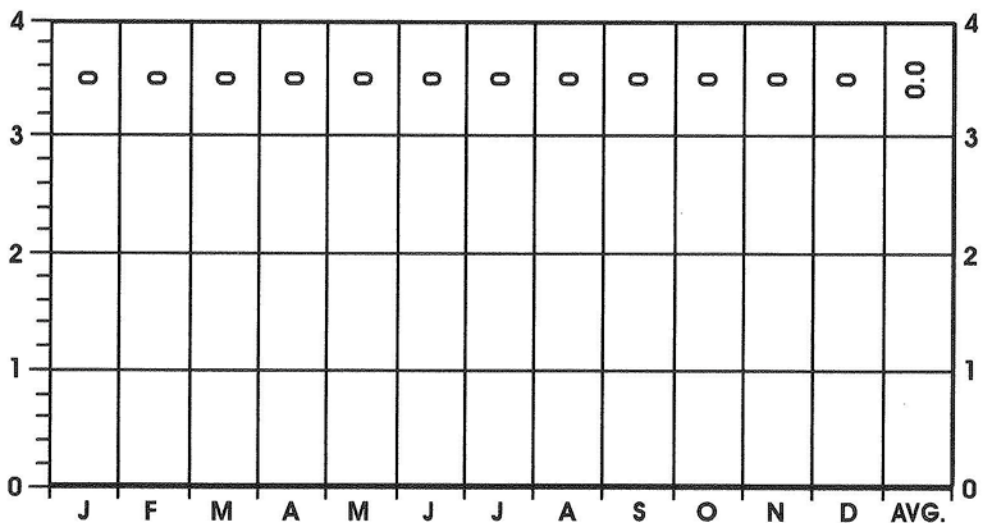
FOR A PERIOD OF TWELVE YEARS



		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 1997



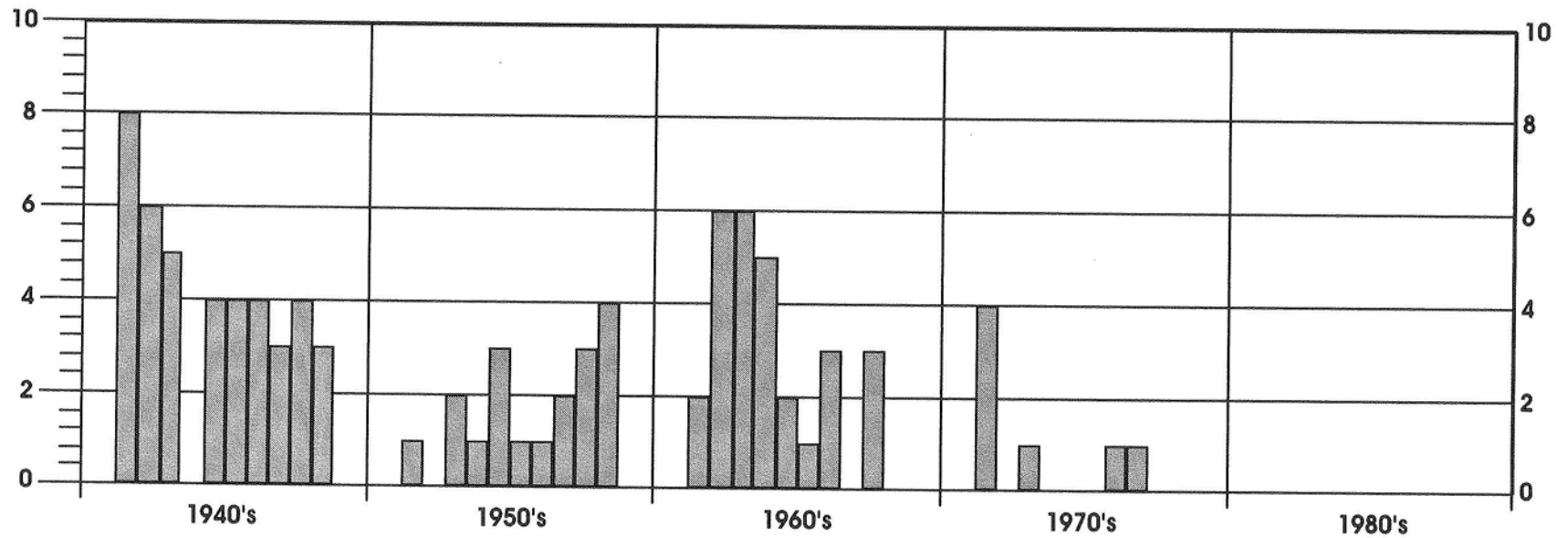
1997
TOTAL CASES
0

ABORTION FATALITIES ABORTION FATALITIES

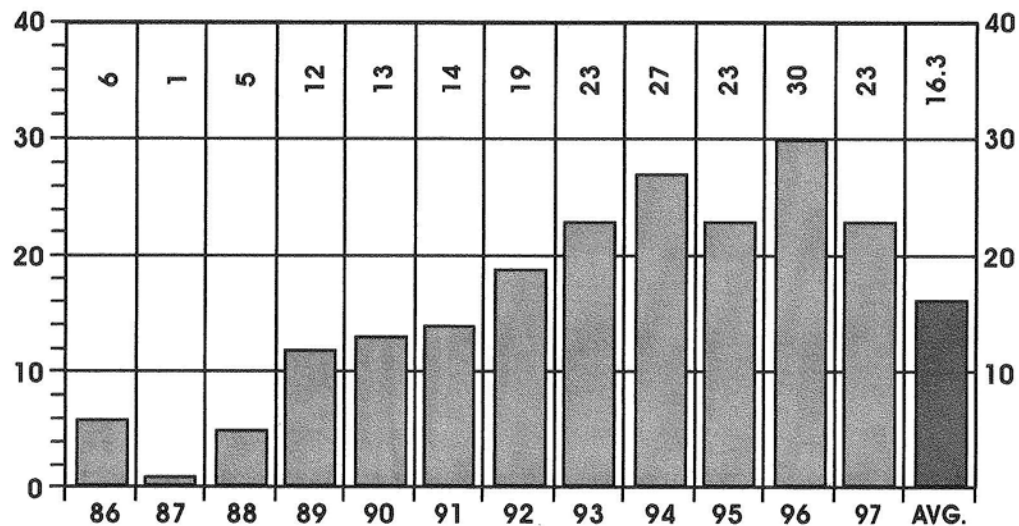
NO FATALITIES RECORDED IN THIS CATEGORY IN 1997

ABORTION FATALITIES

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

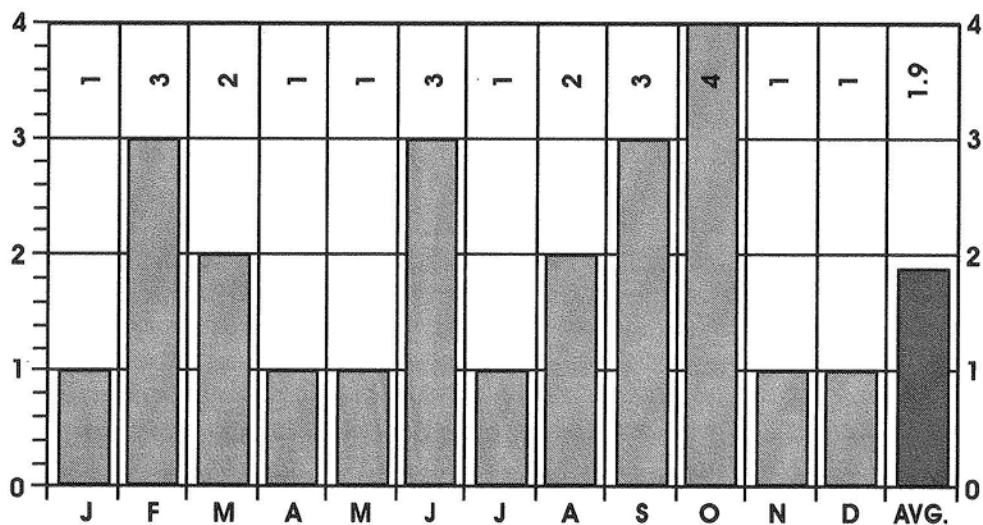


NEONATAL AND INTRA-UTERINE DEATHS FOR A PERIOD OF TWELVE YEARS



		NUMBER	PERCENT
SEX	MALE	16	70
	FEMALE	7	30
RACE	WHITE	7	30
	NON-WHITE	16	70
ALCOHOL	TESTED	9	39
	POSITIVE	0	0
AUTOPSY	AUTOPSIED	13	57

NEONATAL AND INTRA-UTERINE DEATHS BY MONTH FOR THE YEAR 1997



1997
TOTAL CASES
23

1997 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	1					2	1
MARCH					2												2	
APRIL						1												1
MAY					1												1	
JUNE					1			1				1					1	2
JULY							1										1	
AUGUST					1			1									1	1
SEPTEMBER						1					2						2	1
OCTOBER	1				1		1	1									3	1
NOVEMBER			1														1	
DECEMBER					1												1	
TOTAL	1		1		7	2	3	3			4	2					16	7

*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 - 1997 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	LIVE BIRTH	FOETAL DEATH	LIVE BIRTH	FOETAL DEATH	LIVE BIRTH	FOETAL DEATH	M	F		
JANUARY																		
FEBRUARY											1	1					1 1	
MARCH																		
APRIL						1											1	
MAY																		
JUNE					1							1					1 1	
JULY																		
AUGUST					1			1									1 1	
SEPTEMBER						1					2						2 1	
OCTOBER							1	1									1 1	
NOVEMBER			1														1	
DECEMBER																		
TOTAL			1		2	2	1	2			3	2					7 6	

*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.

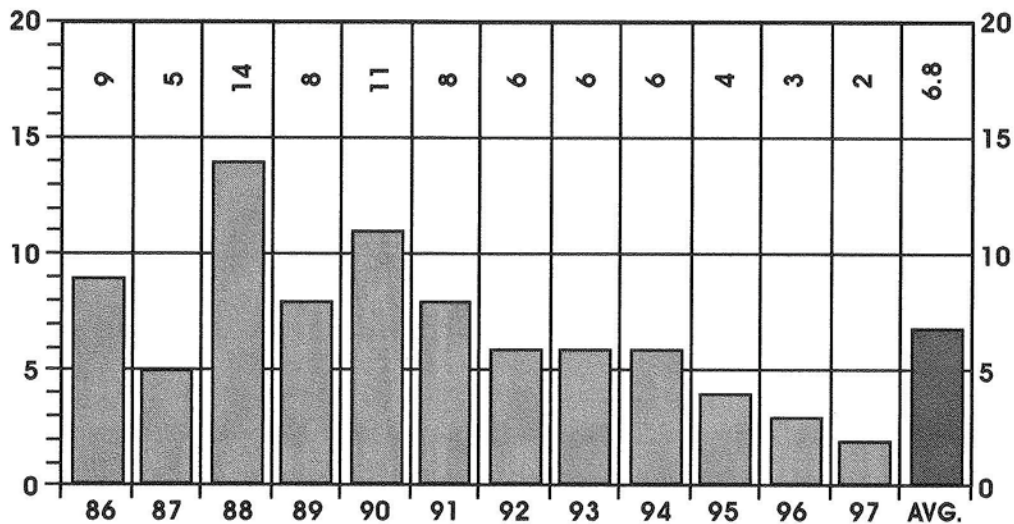
GROUP III - 28 completed weeks of gestation and over.

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

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

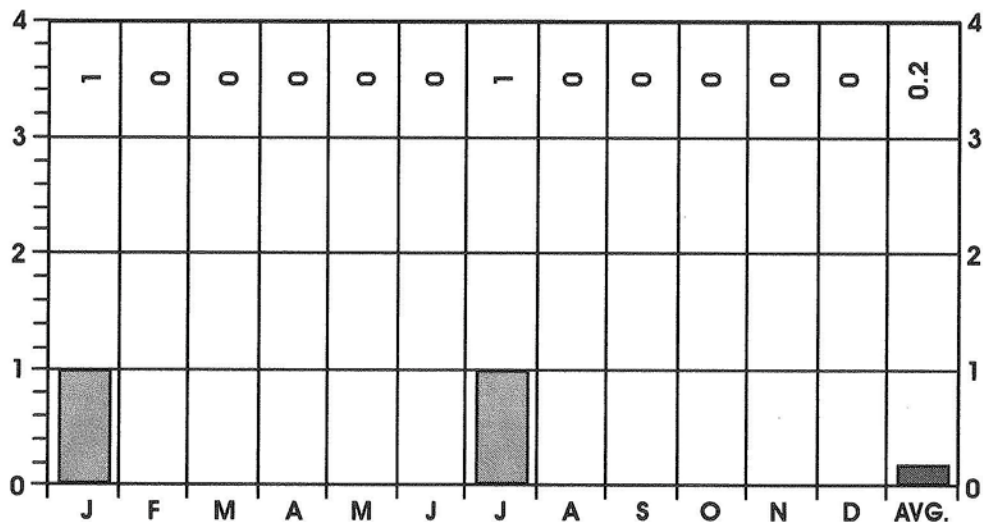


UNDETERMINED CAUSES FOR A PERIOD OF TWELVE YEARS



		NUMBER	PERCENT
SEX	MALE	2	100
	FEMALE	0	0
RACE	WHITE	2	100
	NON-WHITE	0	0
ALCOHOL	TESTED	2	100
	POSITIVE	1	50
AUTOPSY	AUTOPSIED	2	100

UNDETERMINED CAUSES BY MONTH FOR THE YEAR 1997



1997
TOTAL CASES
2

TABLE 90

COLOR	SEX	AGE	MARITAL STATUS	DATE OF DEATH	OCCUPATION	WHERE DEATH OCCURRED	CASE NUMBER
White	Male	00	Single	01/19/97	Infant	Cleveland	226968
White	Male	49	Single	07/21/97	Cook	Lakewood	228359

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

Advanced postmortem decomposition in 1 case.

Toxicology examination and alcohol determination conducted on 2 cases.

Alcohol determination resulted in 1 positive and 1 negative case.

1997 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	1499*	(54.63%)	144**	(96.64%)
NON-AUTOPSIED	1245	(45.37%)	5	(3.36%)
TOTAL	2744	(100.00%)	149	(100.00%)
NO SAMPLES***	665	(24.23%)	5	(3.36%)

*Includes 98 hospital autopsies.

**Includes 2 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	166	(30.80%)
CASES FROM OTHER HOSPITALS AND FORENSIC AGENCIES	8	(1.48%)
DECEDENTS FROM OTHER CORONER'S JURISDICTIONS	157	(29.13%)
PROFICIENCY SURVEYS	12	(2.23%)
LAW ENFORCEMENT AGENCY CASES	196	(36.36%)
TOTAL	539	(100.00%)

TABLE 91A

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
ACETAMINOPHEN:						
Acetaminophen	30	1389	2.16	6	142	4.23
ACID/NEUTRALS:						
Phenytoin	67	1410	4.75	2	144	1.39
Phenobarbital	19	1410	1.35	1	144	0.69
Primidone	1	1410	0.07	0	144	0
Guaifenesin	1	1410	0.07	1	144	0.69
Carbamazepine	8	1410	0.57	1	144	0.69
Butalbital	4	1410	0.28	2	144	1.39
Pentobarbital	2	1410	0.14	0	144	0
Meprobamate	13	1410	0.92	8	144	5.56
Carisoprodol	7	1410	0.50	3	144	2.08
Ibuprofen	8	1410	0.57	1	144	0.69
Chlorpropamide	1	1410	0.07	0	144	0
Naproxen	3	1410	0.21	0	144	0
Valproic Acid	1	1410	0.07	0	144	0
BASES						
Lidocaine	200	1420	14.08	15	144	10.42
Diphenhydramine	38	1420	2.68	3	144	2.08
Norpropoxyphene	41	1420	2.89	12	144	8.33
Meperidine	19	1420	1.34	3	144	2.08
Nortriptyline	26	1420	1.83	7	144	4.86
Dextromethorphan	17	1420	1.20	3	144	2.08
Amitriptyline	26	1420	1.83	7	144	4.86
Loxapine	3	1420	0.21	2	144	1.39
Ketamine	1	1420	0.07	0	144	0
Bupropion Erythro NH ₂ OH	5	1420	0.35	2	144	1.39
Imipramine	5	1420	0.35	4	144	2.78
Paroxetine	1	1420	0.07	1	144	0.69
Verapamil	7	1420	0.49	3	144	2.08
Normeperidine	7	1420	0.49	2	144	1.39
Venlafaxine	3	1420	0.21	2	144	1.39
Cyclobenzaprine	5	1420	0.35	2	144	1.39
Diltiazem	10	1420	0.70	0	144	0
Propranolol	2	1420	0.14	0	144	0
Promethazine	1	1420	0.07	0	144	0
Ticlopidine	2	1420	0.14	0	144	0
Brompheniramine	4	1420	0.28	2	144	1.39
Chlorpromazine	5	1420	0.35	1	144	0.69
Methyl Phenidate	1	1420	0.07	0	144	0
Desipramine	4	1420	0.28	3	144	2.08
Amoxapine	4	1420	0.28	2	144	1.39

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INCIDENCE AND FREQUENCY OF POSITIVE FINDINGS*

TABLE 91A (continued)

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
Fluoxetine	10	1420	0.70	3	144	2.08
Nordoxepin	5	1420	0.35	3	144	2.08
Hydroxyzine	3	1420	0.21	1	144	0.69
Doxepin	8	1420	0.56	4	144	2.78
Olanzapine	4	1420	0.28	0	144	0
Trazodone	5	1420	0.35	4	144	2.78
Norsertaline	3	1420	0.21	0	144	0
Chlorpheniramine	11	1420	0.77	6	144	4.17
Buspirone	1	1420	0.07	1	144	0.69
Tramadol	7	1420	0.49	1	144	0.69
Clozapine	2	1420	0.14	2	144	1.38
Benztropine	2	1420	0.14	0	144	0
Sertraline	14	1420	0.99	5	144	3.47
Norvenlafaxine	1	1420	0.07	0	144	0
Doxylamine	13	1420	0.92	5	144	3.47
Flecainide	2	1420	0.14	0	144	0
BENZODIAZOPINES						
Dm Diazepam	36	1396	2.58	15	143	10.49
Diazepam	29	1396	2.08	14	143	9.79
Oxazepam	3	1396	0.21	1	143	0.70
Temazepam	1	1396	0.07	0	143	0
Lorazepam	10	1396	0.72	0	143	0
Demoxepam	1	1396	0.07	0	143	0
Alprazolam	3	1396	0.21	3	143	2.1
Dm Chlordiazepoxide	2	1396	0.14	0	143	0
Chlordiazepoxide	1	1396	0.07	0	143	0
CANNABINOIDS						
Total Δ-9-THC-9-OOH	65	771	8.43	11	103	10.68
Δ-9-THC	10	771	1.30	2	103	1.94
11-Hydroxy-THC	1	771	0.13	0	103	0
COCAINE						
Cocaine	79	1420	5.56	34	144	23.61
COCAINE METABOLITES						
Benzoyllecgonine	36	903	3.99	12	121	9.92
Ecgonine Methylster	12	1420	0.85	3	144	2.08
Cocæthylene	9	1420	0.63	4	144	2.78
CARBON MONOXIDE						
Carbon Monoxide	36	120	30.0	24	41	58.54
CHLORAL HYDRATE						
Trichloroethanol	1	1	100.0	1	1	100.00

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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
CYANIDE						
Cyanide	2	5	40.0	2	3	66.60
GLUCOSE						
Glucose Spot	107	766	13.97	7	103	6.8
Ketone Body Spot	99	766	12.92	9	103	8.74
METHADONE AND METABOLITES						
Methadone	6	1420	0.42	4	144	2.78
OPIATES						
Morphine	161	1420	11.34	67	144	46.53
6-Acetylmorphine	44	1420	3.10	43	144	29.86
Codeine	44	1420	3.10	22	144	15.28
Hydrocodone	17	1420	1.2	9	144	6.25
Hydromorphone	5	1420	0.35	5	144	3.47
Oxycodone	3	1420	0.21	1	144	0.69
PHENOTHIAZINES						
Thioridazine	4	1420	0.28	1	144	0.69
PHENOTHIAZINE METABOLITES						
Phenothiazine Mibs.	3	778	0.39	0	116	0
PHENCYCLADINE						
Phencyclidine	3	896	0.33	0	118	0
PROPOXYPHENE AND METABOLITES						
Propoxyphene	41	1420	2.89	11	144	7.64
QUININE/QUINIDINE						
Quinine	10	778	1.29	1	116	0.86
SYMPATHOMIMETIC AMINES						
β-Phenethylamine	40	1409	2.84	3	143	2.1
Phenylpropanolamine	21	1409	1.49	4	143	2.8
Ephedrine/Pseudoephedrine	15	1409	1.06	3	143	2.1
Phentermine	1	1409	0.07	0	143	0
SALICYLATE						
Salicylate	5	1389	0.36	2	142	1.41
VOLATILES						
Ethanol	405	2088	19.4	66	144	45.83
Acetone	46	2088	2.20	1	144	0.69
Isopropanol	7	2088	0.34	0	144	0
Formaldehyde	10	2088	0.48	0	144	0
XANTHINE						
Caffeine	7	65	10.77	1	11	9.09
Theophylline	4	65	6.15	2	11	18.18

*To compare data from year to year one must use the Toxicology Laboratory Report legends, since the analytical approach (i.e. the components of the groups) changes slightly from year to year.

**Evaluation for this group or agent (*in italics*) only carried out by special request.

1997 TOXICOLOGY LABORATORY REPORT

INCIDENCE OF ANALYTES IN POSITIVE CASES 1992 - 1997¹

TABLE 91B

CUYAHOGA COUNTY CORONER'S LABORATORY CASES							
1992		1993				1994	
ALL CASES (%)	FATAL POISONINGS (%)	ALL CASES (%)	FATAL POISONINGS (%)	ALL CASES (%)	FATAL POISONINGS (%)	ALL CASES (%)	FATAL POISONINGS (%)
<i>Carbon Monoxide</i> ² 39.45	<i>Carbon Monoxide</i> ² 79.41	<i>Carbon Monoxide</i> ² 45.05	<i>Carbon Monoxide</i> ² 92.31	<i>Carbon Monoxide</i> ² 32.06	<i>Carbon Monoxide</i> ² 82.22		
Ethanol 24.48	Ethanol 46.25	Ethanol 22.85	Ethanol 46.98	Ethanol 24.22	Ethanol 49.42		
Lidocaine ³ 15.11	Morphine 32.90	Lidocaine ³ 17.48	Morphine 27.52	Lidocaine ³ 17.61	Morphine 31.39		
Cocaine/ Cocaine Metabolite 10.65	Cocaine/ Cocaine Metabolite 27.56	Cocaine/ Cocaine Metabolite 10.75	Cocaine/ Cocaine Metabolite 25.81	Cocaine/ Cocaine Metabolite 10.24	Cocaine/ Cocaine Metabolite 23.68		
Morphine 6.91	Diphenhydramine 15.38	Morphine 7.24	Diazepam/ Desmethyl Diazepam 15.07	Morphine 7.89	Diazepam/ Desmethyl Diazepam 18.82		
THCA 5.83	Codeine 14.19	THCA 5.98	Lidocaine ³ 10.14	THCA 5.56	Propoxyphene/ Norpropoxyphene 12.79		
Diphenhydramine 3.94	Propoxyphene/ Norpropoxyphene 13.46	Phenytoin 4.66	Propoxyphene/ Norpropoxyphene 9.46	Phenytoin 3.62	Codeine 11.62		
Propoxyphene/ Norpropoxyphene 3.41	Lidocaine ³ 12.17	<i>Theophylline</i> ² 3.85	Codeine 8.72	Propoxyphene/ Norpropoxyphene 3.36	Lidocaine ³ 11.04		
Codeine 3.29	Diazepam/ Desmethyl Diazepam 9.86	Diazepam/ Desmethyl Diazepam 3.34	Amitriptyline/ Nortriptyline 5.41	Diazepam/ Desmethyl Diazepam 3.05	Acetaminophen 8.18		
<i>Theophylline</i> ² 2.63	<i>Theophylline</i> ² 9.09	Propoxyphene/ Norpropoxyphene 2.90	THCA 5.05	Codeine 2.82	Diphenhydramine 7.55		
	Salicylate 5.26						

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.

TABLE 91B (continued)

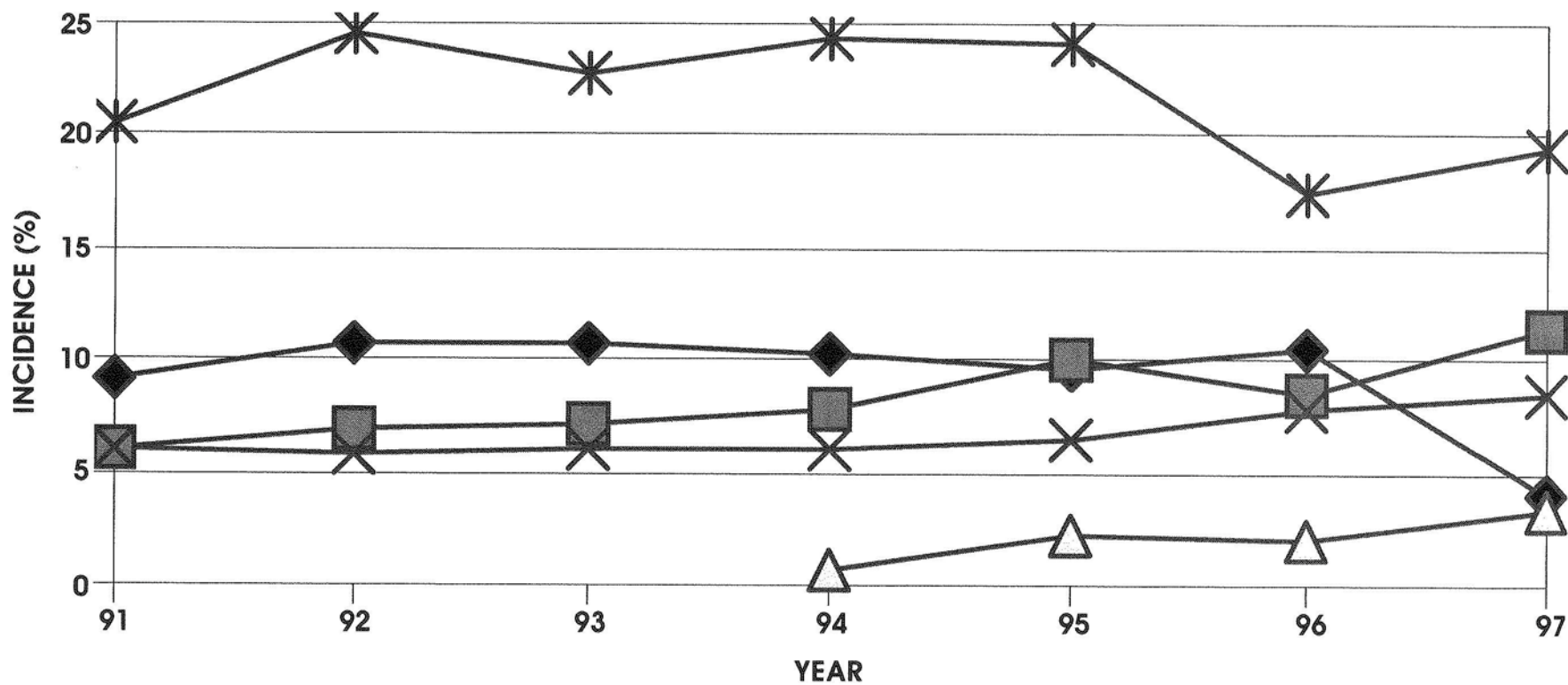
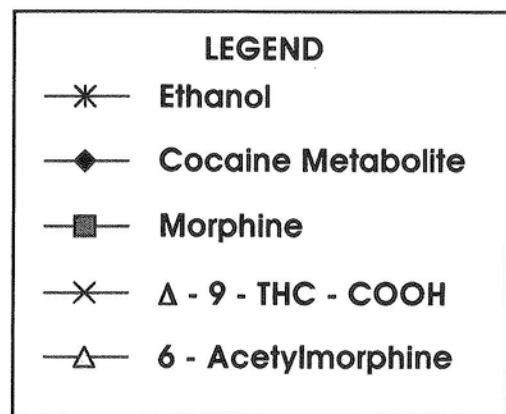
INCIDENCE OF ANALYTES IN POSITIVE CASES 1992 - 1997¹

CUYAHOGA COUNTY CORONER'S LABORATORY CASES						
1995		1996		1997		
ALL CASES (%)	FATAL POISONINGS (%)	ALL CASES (%)	FATAL POISONINGS (%)	ALL CASES (%)	FATAL POISONINGS (%)	
<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	<i>Carbon Monoxide</i> ² 30.00	<i>Carbon Monoxide</i> ² 58.54	
Ethanol 24.06	Ethanol 42.79	Ethanol 17.42	Morphine 34.75	Ethanol 19.40	Morphine 46.53	
Lidocaine ³ 17.56	Morphine 34.85	Lidocaine ³ 16.38	Ethanol 34.03	Lidocaine ³ 14.08	Ethanol 45.83	
Morphine 10.10	Cocaine/ Cocaine Metabolite 25.00	Caffeine 11.32	Cocaine/ Cocaine Metabolite 30.71	Morphine 11.34	6-Acetylmorphine 29.86	
Cocaine/ Cocaine Metabolite 9.68	6-Monoacetyl Morphine 18.69	Cocaine/ Cocaine Metabolite 10.57	6-Monoacetyl Morphine 17.02	Caffeine 10.77	Cocaine 23.61	
Cannabinoids 6.50	Benzodiazepines 13.57	Morphine 8.41	Lidocaine ³ 14.08	Cannabinoids 9.86	Theophylline 18.18	
Phenytoin 3.90	Propoxyphene/ Norpropoxyphene 13.00	Cannabinoids 7.74	Propoxyphene/ Norpropoxyphene 13.38	Theophylline 6.15	Codeine 15.28	
Propoxyphene/ Norpropoxyphene 3.49	Lidocaine ³ 12.50	Phenytoin 5.14	Benzodiazepines 12.68	Cocaine 5.56	Cannabinoids 12.62	
Benzodiazepines 3.29	Codeine 11.11	Propoxyphene/ Norpropoxyphene 3.42	Caffeine 11.11	Phenytoin 4.75	Desmethyl Diazepam 10.49	
Diphenhydramine 3.03	Tricyclic Antidepressants 8.00	Diphenhydramine 3.13	Codeine 10.64	6-Acetylmorphine 3.10	Lidocaine ³ 10.42	

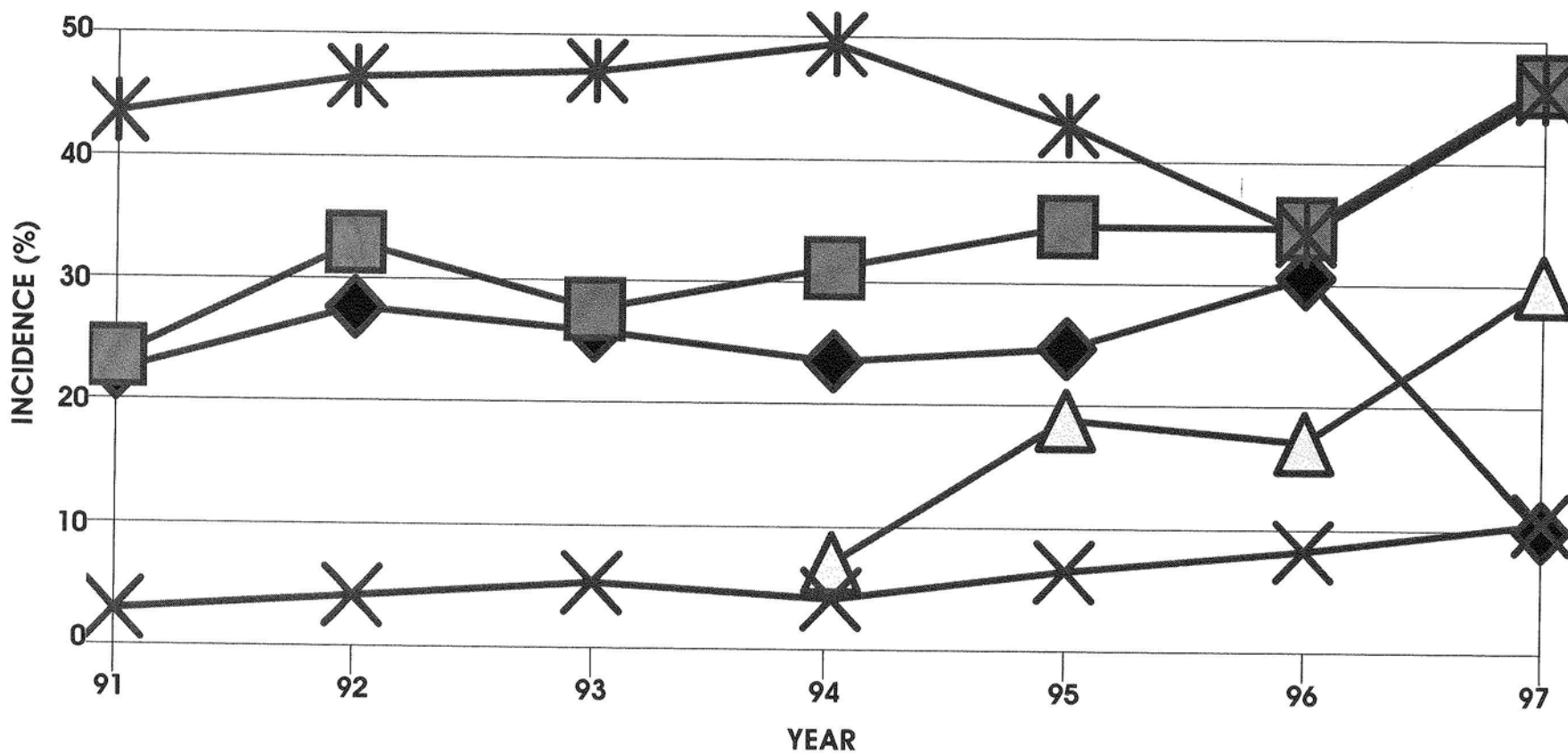
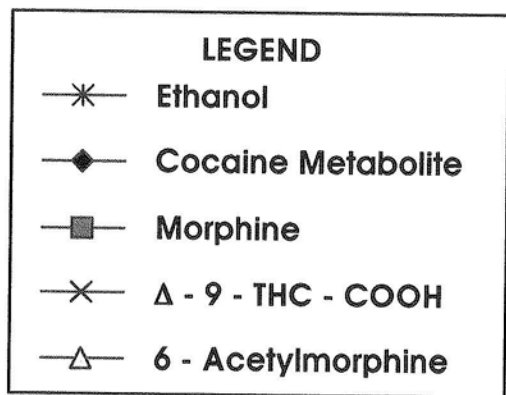
¹A "Positive Case" is one wherein a chemical substance was detected from Table 91A. Percentages are based on the total number of cases tested in each category. ²Evaluation for this group or agent (in italics) only carried out by special request. ³Therapy

1997 TOXICOLOGY LABORATORY REPORT

INCIDENCE OF POSITIVE FINDINGS FROM ALL CORONER'S CASES



INCIDENCE OF POSITIVE FINDINGS FROM POISONING FATALITIES



1997 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	1439	212	1625
Acid/Neutrals ²	1419	222	1641
Bases ³	2327	372	2699
Benzodiazepines ⁴	1422	183	1605
Cannabinoids ⁵	903	152	1055
Carbon Monoxide ⁶	120	22	142
Chloral Hydrate ⁷	1	0	1
Cocaine Metabolite ⁸	1922	345	2337
Cyanide ⁹	5	0	5
Ethychlovynol ¹⁰	1416	211	1627
Glucose and Ketone Bodies ¹¹	814	110	924
Glycols ¹²	0	0	0
Heavy Metals ¹³	0	0	0
Opiates ¹⁴	1701	285	1986
Phencyclidine ¹⁵	2327	372	2699
Phenothiazines ¹⁶	2327	372	2699
Phenothiazine Metabolites ¹⁷	1210	180	1390
Quinine and Quinidine ¹⁸	2327	372	2699
Salicylate ¹⁹	1414	213	1627
Sympathomimetic Amines ²⁰	55	29	91
Volatiles ²¹	2085	355	2440
Xanthines ²²	66	11	77

*Number of tests performed for total analytes from a given group in single or multiple biological matrices.

- 1) **ACETAMINOPHEN:** Acetaminophen
- 2) **ACID/NEUTRALS:** Amobarbital, Butabarbital, Butalbital, Caffeine, Carbamazepine, Carisoprodol, Chlorpropamide, Desmethyl Mephenytoin, Glutethimide, Guaifenesin, Ibuprofen, Mephenytoin, Mephobarbital, Meprobamate, Methaqualone, Methypylon, Naproxen, Pentobarbital, Pentoxifylline, Phenobarbital, Phenytoin, Primidone, Secobarbital, Tolbutamide
- 3) **BASES:** Amantadine, Amitriptyline, Amoxapine, Benztropine, Brompheniramine, Bupivacaine, Bupropion and Metabolites, Caffeine, Carbinoxamine, Chlorpheniramine, Chlorpromazine, Cimetidine, Clomipramine, Clozapine, Cocaethylene, Codeine, Cocaine, Cyclizine, Cyclobenzaprine, Desipramine, Desmethyl Clomipramine, Desmethyl Clozapine, Desmethyl Venlafaxine, Dextromethorphan, Diltiazem, Diphenhydramine, Disopyramide, Doxepin, Doxylamine, Fentanyl, Fluoxetine, Fluphenazine, Haloperidol, Hydroxyzine, Imipramine, Ketamine, Lidocaine, Loxapine, Maprotiline, Meclizine, Meperidine, Mesoridazine, Methadone, Methadone Mtb., Methapyrilene, Methylphenidate, Metoprolol, Mexiletine, Nordoxepin, Norfluoxetine, Normeperidine, Norpropoxyphene, Norsertaline, Nortriptyline, Norverapamil, Olanzapine, Orphenadrine, Oxycodone, Papaverine, Paroxetine, Pentazocine, Phencyclidine, Pheniramine, Phenothiazine Mtb., Phenyltoloxamine, Promethazine, Propoxyphene, Propranolol, Protriptyline, Pylramine, Quinidine, Quinine, Sertraline, Thioridazine, Ticlopidine, Tramadol, Trazodone, Trimipramine, Tripelennamine, Triprolidine, Venlafaxine, Verapamil.
- 4) **BENZODIAZEPINES:** Alprazolam, Chlordiazepoxide, Clonazepam, Demoxepam, Desalkyl Flurazepam, Desmethyl Chlordiazepoxide, Desmethyl Diazepam, Diazepam, Flurazepam, Hydroxyethyl Flurazepam, Lorazepam, Midazolam, Nitrazepam, Oxazepam, Prazepam, Temazepam, Triazolam
- 5) **CANNABINOIDS:** Δ -9-THC, 11-Hydroxy- Δ -9-THC, Δ -9-THC-9-COOH
- 6) **CARBON MONOXIDE*:** *Carbon Monoxide*
- 7) **CHLORAL HYDRATE*:** *Chloral Hydrate, Trichloroethanol*
- 8) **COCAINE METABOLITE:** Benzoylcegonine, Cocaethylene, Ecgonine Methylenelester
- 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:** Codeine, Hydrocodone, Hydromorphone, 6-Acetyl Morphine, Morphine, 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, Diethylpropion, Mephentermine, Methylene Dioxamphetamine, Methylene

*Evaluation for this group or agent (*in italics*) only carried out by special request.

1997 TOXICOLOGY LABORATORY REPORT

AGENTS INCLUDED IN DRUG GROUPS ON TABLE 92 (continued)

- Dioxymethamphetamine, Methamphetamine, Phendimetrazine, β -Phenethylamine, Phenmetrazine, Phentermine, Phenylephrine, Phenylpropanolamine, Pseudoephedrine/Ephedrine, Tranlylcypromine
- 21) VOLATILES: Acetone, Acetonitrile, Benzene, Butane, Chloroform, Ethanol, Formaldehyde, Isopropanol, Methanol, Methylene Chloride, Propane, Toluene
- 22) XANTHINES*:..... *Caffeine, Pentoxifylline, Theophylline*

*Evaluation for this group or agent (*in italics*) only carried out by special request.

1997 TOXICOLOGY LABORATORY REPORT

PROFICIENCY STUDIES

TABLE 92A

AGENCY	SURVEY TYPE	NUMBER OF SURVEYS	NUMBER OF SAMPLES		
			BLOOD	URINE	OTHERS
Department of Transportation (Federal)	Alcohol	2	8	0	0
Federal Aviation Administration (Federal)	Postmortem Toxicology	3	1	3	0
Wisconsin State Laboratory of Hygiene	Alcohol	5	28	6	0
College of American Pathologists	Postmortem Toxicology	1	0	5	0
College of American Pathologists	Alcohol	1	5	0	0
TOTAL		12	42	14	0

In 1997 the Cuyahoga County Coroner's Office Toxicology Laboratory participated in 12 proficiency surveys. The performance of the laboratory was rated satisfactory by the agencies conducting the surveys.

TABLE 93

SUBSTANCES INVOLVED IN FATAL POISONINGS

SUBSTANCES	HOME	OTHER	SUICIDE	V.U.O.	TOTAL
Single Chemical Agent					
Acetaminophen	1				1
Amitriptyline	1				1
Bupropion			1		1
Butalbital		1			1
Caustic Alkali Substance			1		1
Chronic Drug Abuse		4			4
Cocaine	5	5			10
Coumadin	1				1
Cyanide			1		1
Ethanol	1				1
Fluxetine		1			1
Flurazepam			1		1
Heroin	8	3			11
Hydromorphone	1				1
Loxapine			1		1
Opiates	1				1
Potassium Chloride		1			1
Sertraline	1				1
TOTAL	20	15	5	0	40
Combined Effect of Ethanol and:					
Benzodiazepine	1				1
Cocaine	2	1			3
Heroin	11	2			13
Opiate	1	2			3
Tramadol	1				1
Carisoprodol and Hydromorphone			1		1
Chlorpheniramine and Cyclobenzaprine	1				1
Cocaine and Cannabinoid		1			1
Cocaine and Heroin	5	2			7
Cocaine and Marijuana	1				1
Codeine and Opiates	1				1
Diazepam and Opiate	1				1
Amitriptyline, Chlorpheniramine and Dextromethorphan	1				1
Amitriptyline, Cocaine and Marijuana		1			1
Carisoprodol, Diazepam and Morphine		1			1
Cocaine, Cyclobenzaprine and Theophylline		1			1
Heroin, Codeine and Cocaine	1				1
Heroin, Hydrocodone and Despramine	1				1
Hydrocodone, Morphine and Diazepam	1				1
Opiates, Cocaine and Doxepin	1				1
Hydrocodone, Methadone, Imipramine, Chlorpromazine, Dextromethorphan, Doxylamine and Chlorpheniramine	1				1
TOTAL	31	11	1	0	43

1997 TOXICOLOGY LABORATORY REPORT

SUBSTANCES INVOLVED IN FATAL POISONINGS

TABLE 93 (continued)

SUBSTANCES	HOME	OTHER	SUICIDE	V.U.O.	TOTAL
Effect of Two Chemical Agents					
Acetaminophen and Propoxyphene			1		1
Amitriptyline and Hydrocodone	1				1
Amitriptyline and Verapamil	1				1
Amoxicillin and Loxapine	1				1
Cocaine and Heroin	4				4
Cocaine and Marijuana	2				2
Cocaine and Opiate		2			2
Heroin and Meprobamate	1				1
Metadone and Doxepin	1				1
Opiate and Methadone		1			1
Opiates and Diazepam	1				1
Propoxyphene and Diazepam	1		1		2
Propoxyphene and Fluoxetine	1				1
Theophylline and Verapamil			1		1
Thioridazine and Trazodone	1				1
Verapamil and Imipramine			1		1
TOTAL	15	3	4	0	22
Effect of Three or More Chemical Agents:					
Amitriptyline, Propoxyphene and Acetaminophen	1				1
Butalbital, Diazepam and Opiate		1			1
Chloral Hydrate, Nitrous Oxide and Lidocaine		1			1
Cocaine, Methadone and Alprazolam	1				1
Cocaine, Clozapine, and Venlafaxine				1	1
Guaifenesin, Diphenhydramine and Chlorpheniramine			1		1
Heroin, Cocaine and Sertraline		1			1
Heroin, Diazepam and Meprobamate	2				2
Hydrocodone, Doxepine and Carbamazepine			1		1
Opiates, Propoxyphene and Meprobamate		1			1
Opiate, Propoxyphene and Benzodiazepam	1				1
Diazepam, Alprazolam, Hydrocodone and Opiate	1				1
Heroin, Meprobamate, Diazepam and Propoxyphene	1				1
Heroin, Propoxyphene, Diazepam and Sertraline	1				1
Meperidine, Propoxyphene, Trazodone and Floxetine	1				1
Morphine, Hydromorphone, Diazepam and Meprobamate	1				1
Opiates, Cocaine, Benzodiazepines and Marijuana	1				1
Imipramine, Carisoprodol, Meprobamate, Oxycodone and Benzodiazepine	1				1
TOTAL	12	4	2	1	19
GRAND TOTAL	78	33	12	1	124

TOXICOLOGY LABORATORY REPORT POISONING FATALITIES 1986 - 1997

TABLE 93A

YEAR	ACCIDENTS						HOMICIDE		SUICIDE		MANNER UNDETERMINED		TOTAL	
	HOME		WORK		OTHER PLACES		CO	OTHERS	CO	OTHERS	CO	OTHERS	CO	OTHERS
	CO	OTHERS	CO	OTHERS	CO	OTHERS								
1986	24	34				11	3		26	27	1	7	54	79
1987	24	34			1	12	9		24	22	4	6	62	74
1988	28	42	2		2	24	2		24	12		1	58	79
1989	28	42		3	2	18			17	23			47	86
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	0	1	1	33	0	0	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
TOTAL	285	633	6	5	10	326	24	2	228	216	10	27	563	1209
GRAND TOTAL	918		11		336		26		444		37		1772	

1997 TOXICOLOGY LABORATORY REPORT

INCIDENCE OF POLYPHARMACY (FINDINGS FROM 149 POISONING FATALITIES)

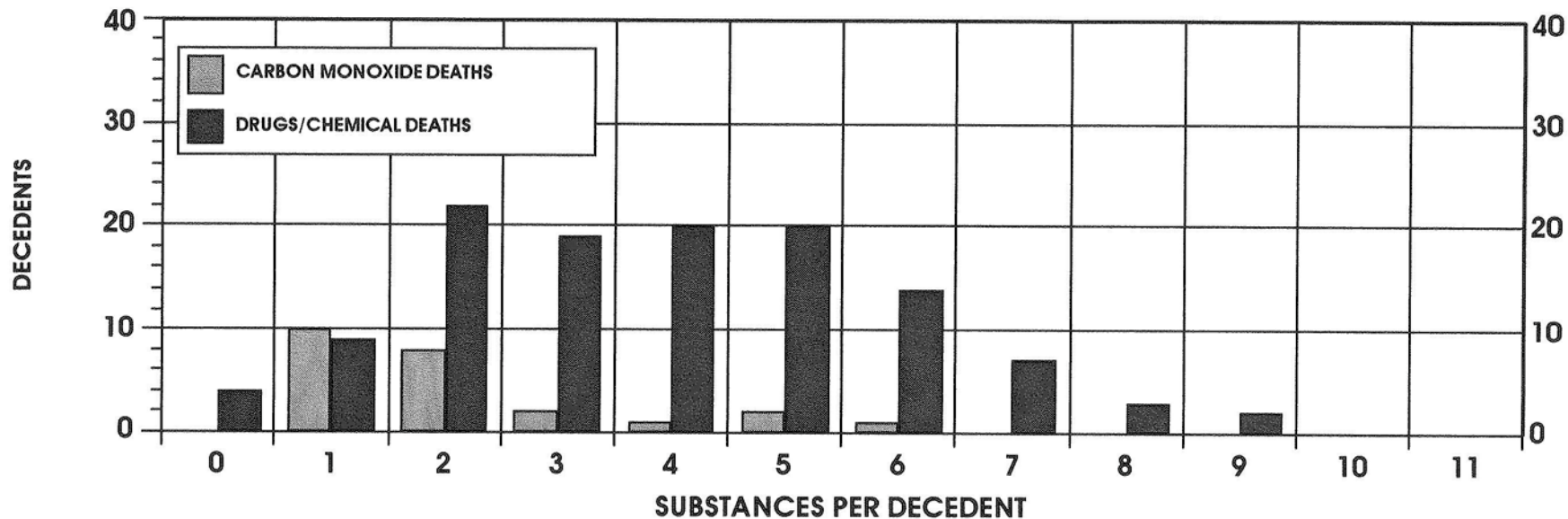


TABLE 93B

RELATIVE INCIDENT INDEX (RII) 1988 - 1997

DRUG/GROUP	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
Acetaminophen	15	16	20	36	*	*	40	*	37	*
Barbiturates (Total)	0	8	4	N.A.	N.A.	N.A.	N.A.	N.A.	*	*
Phenobarbital	0	7	5	16	0	*	*	*	*	*
Benzodiazepines (Total)	43	29	23	N.A.	N.A.	N.A.	N.A.	N.A.	41	29
Diazepam	40	24	24	33	10	45	55	46	44	48
n-desmethyldiazepam	45	22	20	29	11	40	63	47	45	42
<i>Carbon Monoxide**</i>	84	90	90	95	79	96	88	90	80	67
Chlopheniramine	9	10	*	39	*	*	*	*	*	*
Cocaine	36	22	22	20	28	34	42	43	43	43
Cocaine Metabolite	34	21	13	19	17	32	36	41	41	33
Dextromethorphan	9	*	17	0	*	*	*	*	*	*
Diphenhydramine	21	5	15	38	15	*	28	25	*	*
Ethanol	14	8	6	10	46	12	15	14	31	16
Lidocaine	7	7	4	8	12	5	6	8	9	8
Meperidine	10	22	4	8	*	*	*	*	*	*
Methadone	*	*	*	37	*	*	*	*	*	*
Norpropoxyphene	37	26	41	41	13	31	45	41	40	29
Opiates (Total)	40	36	19	N.A.	N.A.	N.A.	N.A.	N.A.	47	44
Codeine	45	36	22	12	14	32	42	50	38	50
Morphine	37	36	19	27	33	34	40	39	42	42
6-Monoacetyl Morphine	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	89	98
Phenothiazines (Total)	38	5	13	N.A.	N.A.	N.A.	N.A.	N.A.	*	*
Phenytoin	2	5	8	5	*	*	*	*	*	*
Propoxyphene	40	27	23	36	20	29	38	34	40	27

TOXICOLOGY LABORATORY REPORT

RELATIVE INCIDENT INDEX (RII) 1988 - 1997

TABLE 93B (continued)

DRUG/GROUP	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
Quinine	36	11	8	20	*	*	0	*	*	*
Antidepressants (Total)	39	66	46	N.A.	N.A.	N.A.	N.A.	N.A.	26	38***
Amitriptyline	33	29	54	37	8	*	29	36	*	*
Desipramine	*	70	*	55	*	*	*	*	*	*
Doxepine	54	*	*	62	*	*	*	*	*	*
Nordoxepine	60	*	*	*	*	*	*	*	*	*
Nortriptyline	25	*	45	37	*	*	37	48	*	*
Salicylate	*	47	20	*	0	*	*	0	*	*
Sympathomimetics (Total)	27	14	3	N.A.	N.A.	N.A.	N.A.	N.A.	18	13
Ephedrine	23	27	0	9	*	*	*	*	*	*
Phenylpropanolamine	40	10	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.

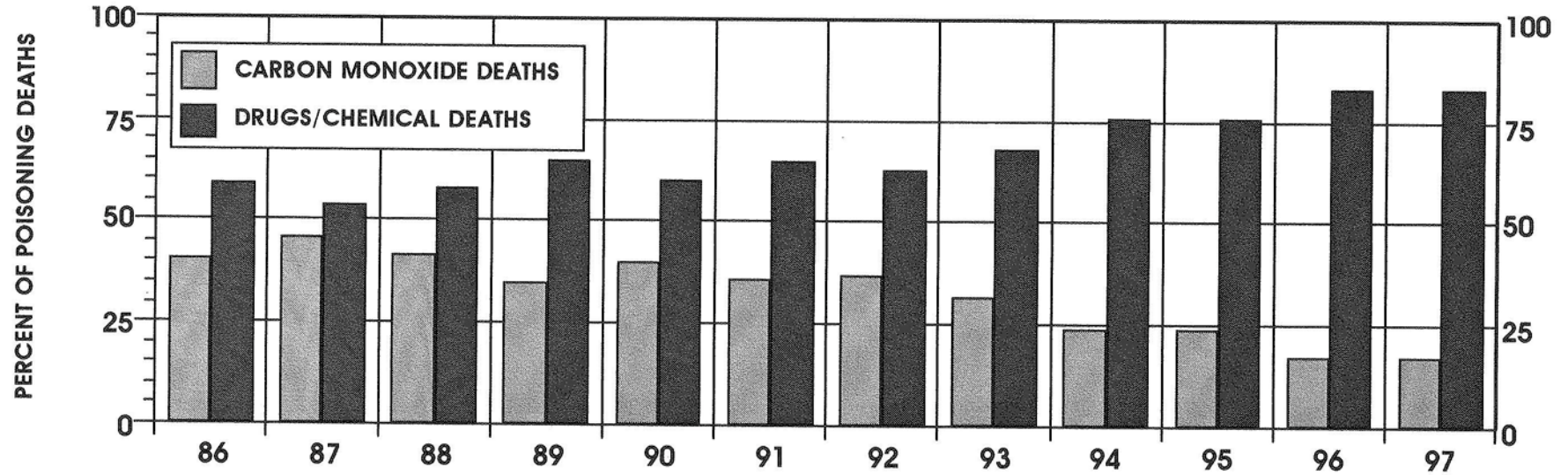
NOTE: These calculations and comparisons are based upon ten or more findings of analyte/group in poisoning deaths.

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

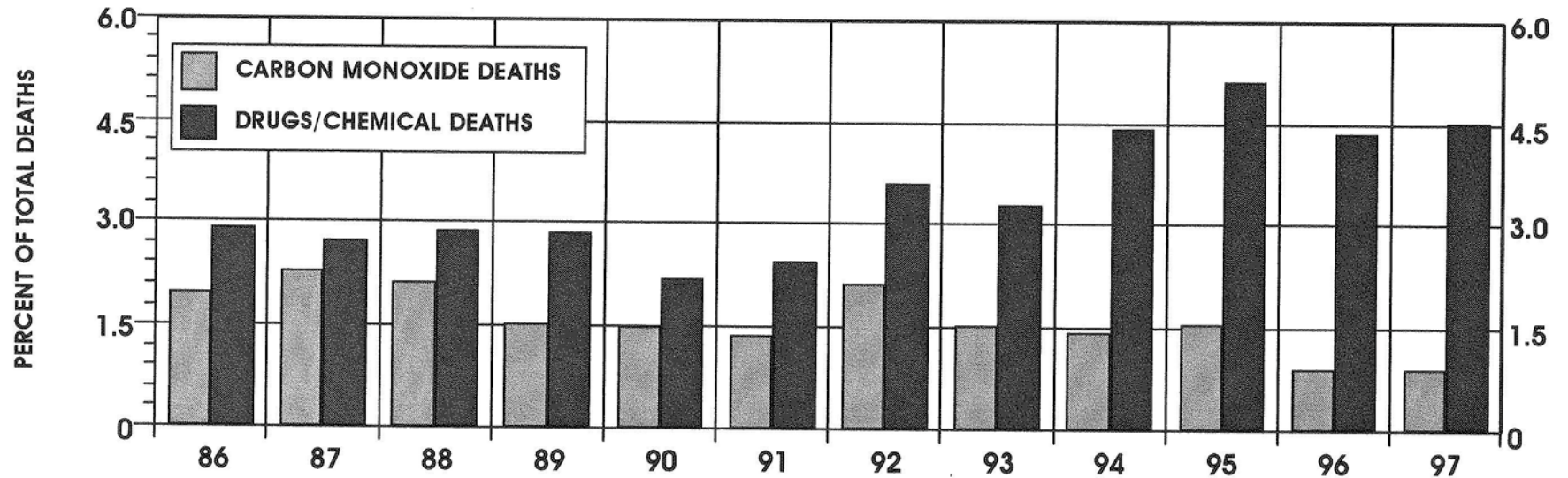
**Evaluation for this group or agent (*in italics*) carried out by special request.

***Antidepressants listed as Bases in "Agents Included in Drug Groups" (p. 180).

TOXICOLOGY LABORATORY REPORT TRENDS IN FATAL POISONINGS



TOXICOLOGY LABORATORY REPORT TRENDS IN FATAL POISONING



TOXICOLOGY LABORATORY REPORT

EFFECT OF COCAINE ON THE REUPTAKE OF NEUROTRANSMITTERS

 **PRESYNAPTIC NEURON**
MESSAGE SENDING NERVE CELL

 **POSTSYNAPTIC NEURON**
MESSAGE RECEIVING NERVE CELL

 **VESICLES**
NEUROTRANSMITTER STORAGE UNIT

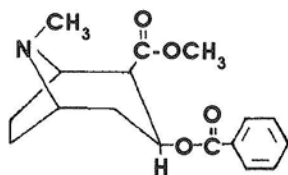
 **NEUROTRANSMITTERS**
IN PARTICULAR:
DOPAMINE
SERATONIN
NOREPINEPHRINE

 **RECEPTOR SITE**

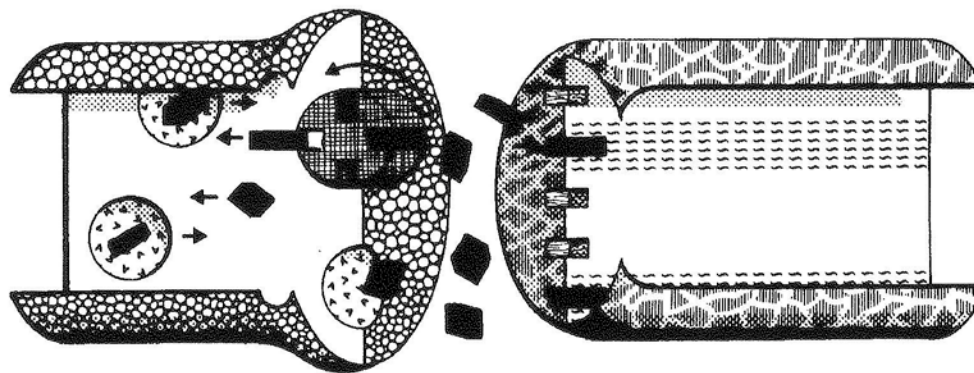
 **ELECTRICAL IMPULSE**
NERVE STIMULATION

 **REUPTAKE PUMP**
NEUROTRANSMITTER RETRIEVAL
AND TRANSPORT MECHANISM

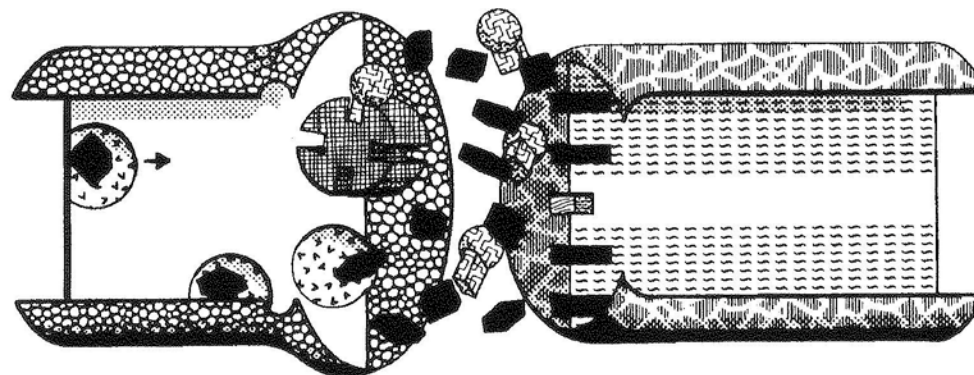
 **COCAINE MOLECULE**



A.



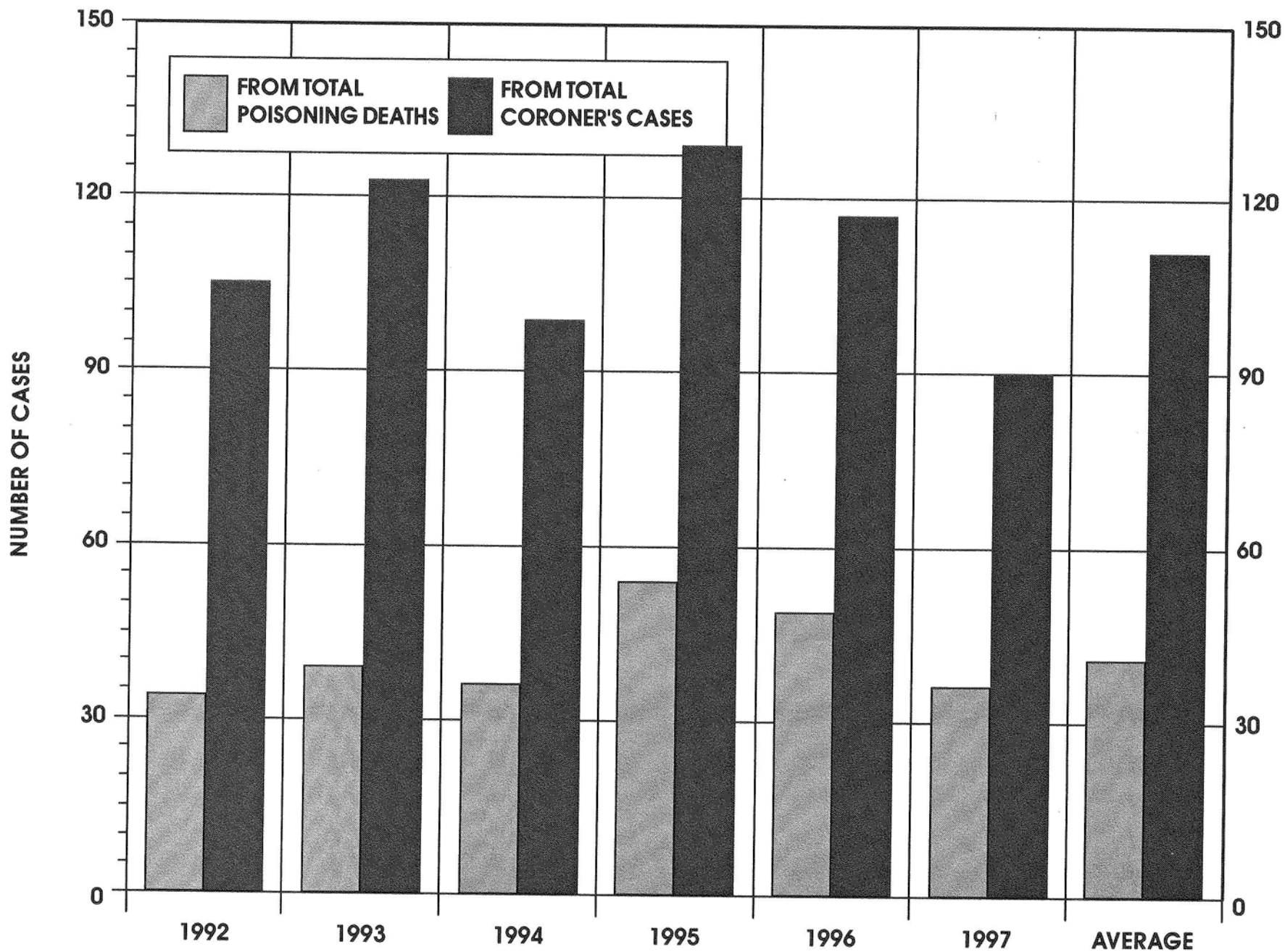
B.



Among the many effects of cocaine are those that involve the blockage of the reuptake of neurotransmitters in various nerve tracks within the brain. Under normal circumstances **(A)**, a message is sent along a nerve track by the action of the release of neurotransmitters from vesicles within the presynaptic neuron into the space (synaptic cleft) between two nerve cells. The neurotransmitter(s) diffuses across the gap and acts on a specific receptor site on the postsynaptic neuron. When this occurs, the message is passed along the nerve track by activating this cell to release its chemical messengers to the next cell, and so on down the line. The activity at the receptor site is normally terminated by the retrieval of the neurotransmitter(s) through a reuptake pump by the cell which had originally released the chemical messengers. This terminates the stimulation of the receiving cell, and the passing of the original message is completed.

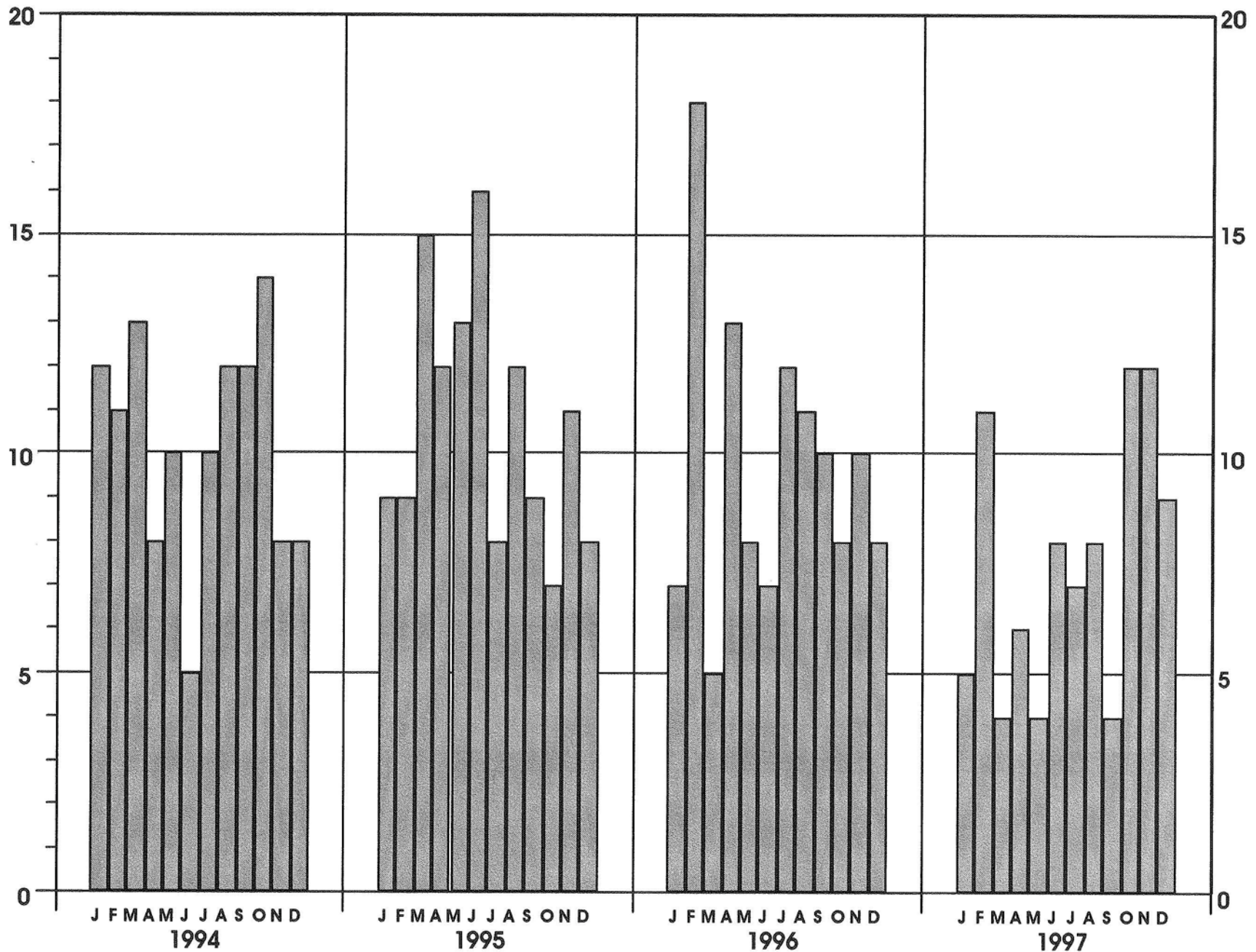
When cocaine is present **(B)**, the drug serves to block the reuptake mechanism of the nerve cell; hence, the neurotransmitter remains in the synaptic cleft and continues to stimulate the next cell in line. This increased activity leads to, in the case of dopamine or limbic "reward" pathways, the perceived "rush" feelings that are associated with the abuse of cocaine. With the sympathetic nervous system this leads to increase in heart rate and blood pressure.

TREND IN COCAINE METABOLITE INCIDENCE 1992 - 1997

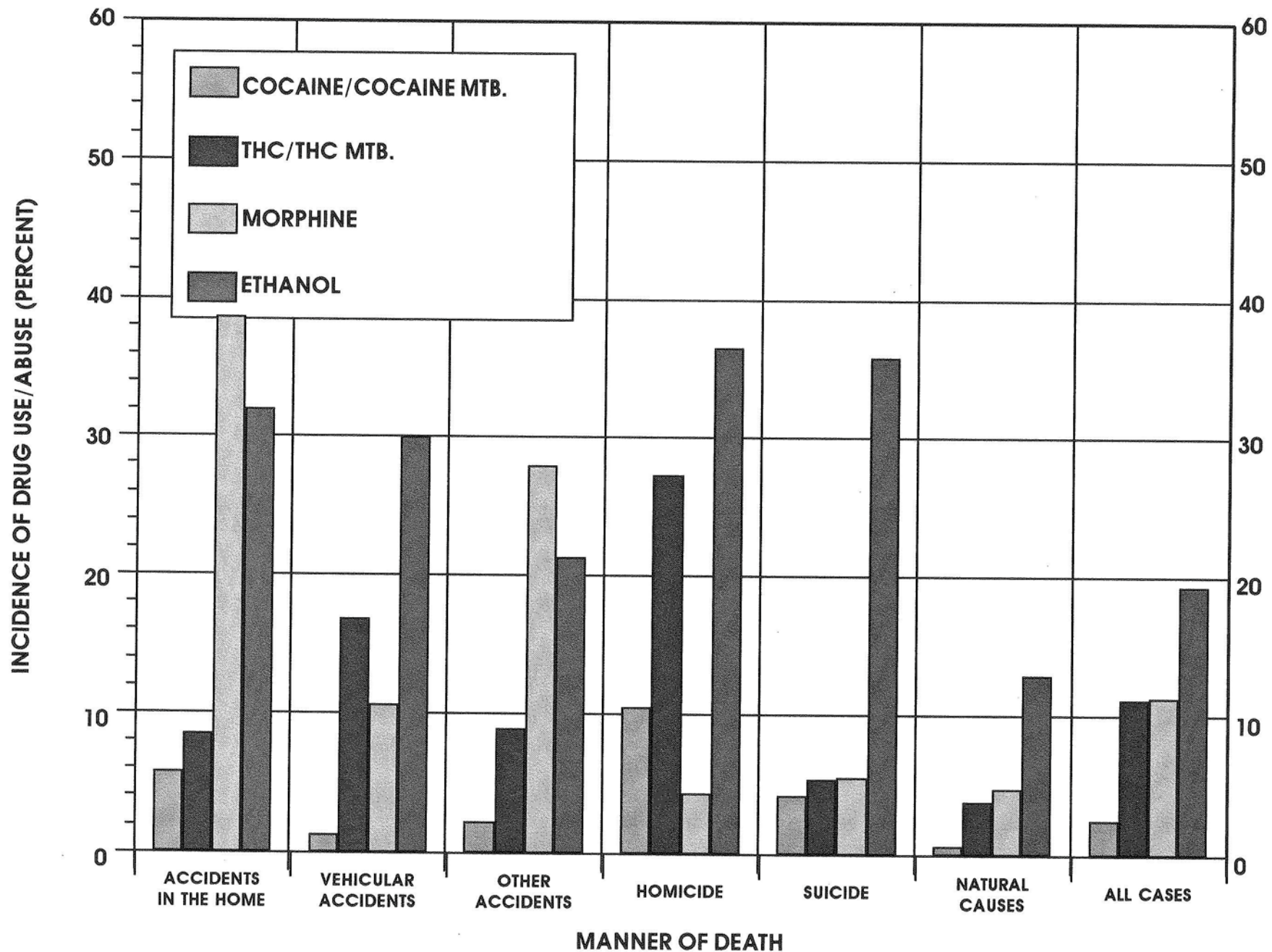


TOXICOLOGY LABORATORY REPORT

TREND IN MONTHLY COCAINE CASE INCIDENCE 1994 - 1997



TOXICOLOGY LABORATORY REPORT 1997 DRUG USE/ABUSE BY MANNER OF DEATH



1997 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	697	25.4	10,713	15.4	7,458	10.7
OUT OF COUNTY	64	59.3	1,944	30.4	871	13.6
NONFATAL	53	-	2,335	44.1	644	12.2
OUT OF COUNTY NONFATAL	20	-	996	49.8	321	16.1
TOTAL	834	26.7**	15,988	19.2	9,294	11.1

*Includes specimens from bodies and evidence.

**Does not include nonfatal cases.

TRACE EVIDENCE LABORATORY REPORT

SUMMARY OF COURT APPEARANCES

In 1997, Trace Evidence personnel made 45 court appearances in 45 cases (29 Cuyahoga County Coroner's cases, 7 out of county cases and 9 nonfatal cases).

Time away from office for court appearances: 205 hours and 0 minutes.

Actual time testifying at court: 28 hours and 40 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	697	3760	1881	5641
OUT OF COUNTY	64	348	114	462
NONFATAL	53	1898	295	2193
OUT OF COUNTY NONFATAL	20	882	76	958
TOTAL	834	6888	2366	9254

EVIDENCE

RE: CORONER'S CASES	99	3690	868	4558
RE: OUT OF COUNTY	24	1267	151	1418
SCENE VISIT RE: CORONER'S CASES	20	447	67	514
SCENE VISIT RE: OUT OF COUNTY	2	48	16	64
SCENE VISIT RE: NONFATAL	2	121	21	142
SCENE VISIT RE: OUT OF COUNTY NONFATAL	2	26	12	38
TOTAL	149	5599	1135	6734

GRAND TOTAL	983	12,487	3501	15,988
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1997 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
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TESTS ON SPECIMENS FROM BODIES

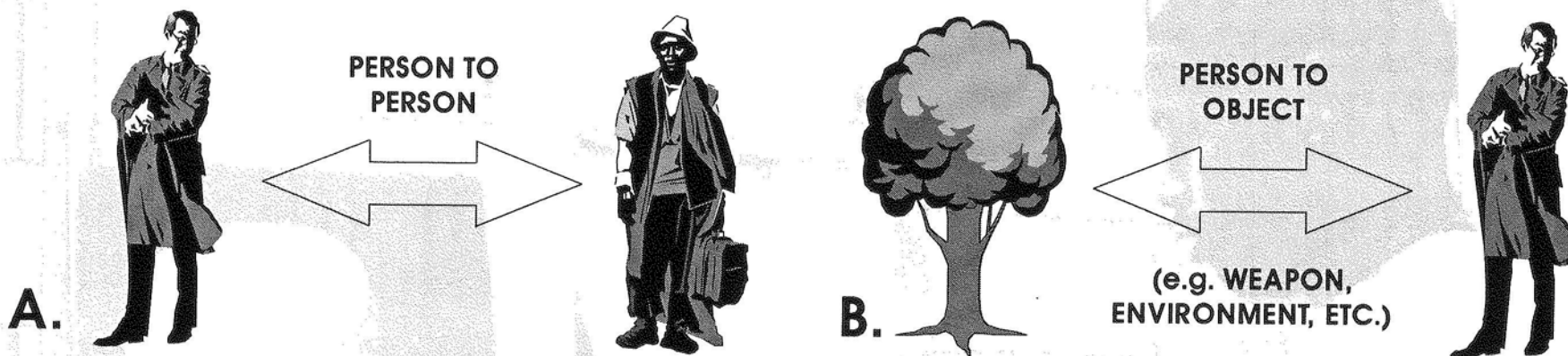
CORONER'S CASES	697	1492	3951	5443
OUT OF COUNTY	64	196	279	475
NONFATAL	53	473	132	605
OUT OF COUNTY NONFATAL	20	246	30	276
TOTAL	834	2407	4392	6799

TESTS ON EVIDENCE

RE: CORONER'S CASES	99	1295	543	1838
RE: OUT OF COUNTY	24	265	96	361
SCENE VISIT RE: CORONER'S CASES	20	121	56	177
SCENE VISIT RE: OUT OF COUNTY	2	29	6	35
SCENE VISIT RE: NONFATAL	2	30	9	39
SCENE VISIT RE: OUT OF COUNTY NONFATAL	2	32	13	45
TOTAL	149	1772	723	2495

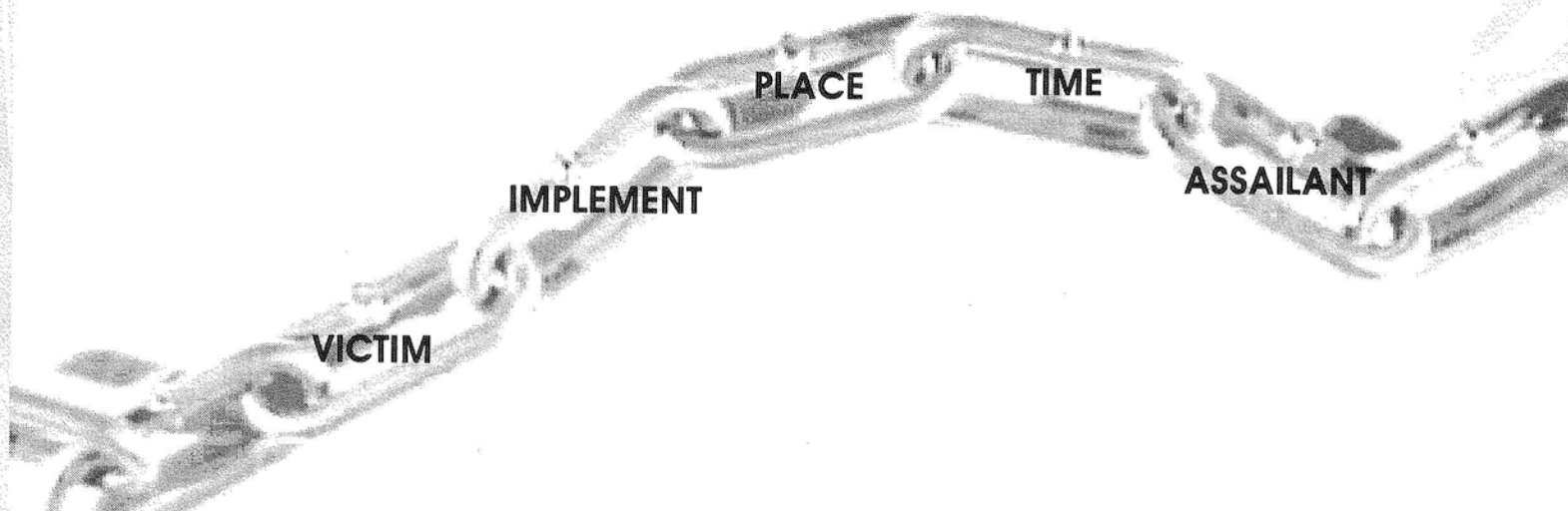
GRAND TOTAL	983	4179	5115	9294
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- I. **LOCARD'S PRINCIPLE:** *Contact produces a transfer and exchange of body fluids, hair, fibers, etc.*
- A. *Exchange of body fluids, hair, fibers, etc.*
 - B. *Transfer of body fluids, hair, fibers, etc.; of components 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.*

	CUYAHOGA COUNTY CORONER'S OFFICE	OTHER SOURCES*	TOTAL
TISSUE SPECIMENS RECEIVED FROM:			
AUTOPSIES	1,401	108	1,509
BIOPSIES, SPECIMENS, ETC.	36		36
TOTAL	1,437	108	1,545
BLOCKS PREPARED	25,202	1,759	26,961
SECTIONS PREPARED	39,811	2,849	42,660
TOTAL	65,013	4,608	69,621
SLIDES PREPARED AND STAINED:			
ROUTINE HEMATOXLIN - EOSIN	25,655	2,102	27,757
SPECIAL STAINS FOR THE DEMONSTRATION OF:			
ACID FAST BACTERIA	13		13
AMYLOID	15		15
BROWN AND BRENN	22		22
ELASTIC	4		4
FONTANA	1		1
IRON	218	10	228
METHENAMINE SILVER	39		39
MUCIN	17		17
P.A.S.	2		2
PLATELET STAIN	3		3
STEINER STAIN	3		3
WARTHIN-STARRY	1		1
SIMPLE SILVER	14		14
OTHER			
TOTAL	26,007	2,112	28,119

* Outside autopsies done for other counties and additional cuts and stains for other cases prior to 1997.

1997 PHOTOGRAPHY DEPARTMENT REPORT

The primary purpose of forensic photography at the Coroner's Office is to provide a credible, accurate visual record of medical/legal evidence. Scenes of death or bodily injury, associated evidence, wounds, organ specimens, and recognizable features of identification on a body are available for examination for only a short time. Therefore, all these subjects are routinely photographed. Afterwards, any processing or printing is done within the confines of this office. This is discreet, maintains the 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*	2,852
PICTURES OF BODIES, EVIDENCE AND SCENES	19,890
5" X 7" COLOR PRINTS PRODUCED	23,856
COLOR SLIDES ADDED TO THE FILE	360
BLACK AND WHITE PRINTS	121
POLAROID PRINTS	75
COMPUTER-GENERATED TYPE SLIDES PRODUCED	249
CHARTS AND GRAPHS PRODUCED	86
COMPUTER GRAPHICS	23
CAD** SCENE AND/OR EVIDENCE ANALYSIS	1
DIGITIZED OR COMPUTER ENHANCED IMAGES	524
SCALE MODELS	0

*Includes 108 out of county cases.

**Computer-aided design software

1997 FORENSIC ODONTOLOGY REPORT

EXAMINATIONS	CUYAHOGA COUNTY CORONER'S CASES	OTHER CORONERS CASES	TOTAL
NUMBER OF CASES EXAMINED	31	12	43
DENTAL CHARTING	27	8	35
INTRA-ORAL X-RAYS	24	9	33
COMPARISON WITH ANTEMORTEM DENTAL RECORDS	16	8	24
EXTRACTIONS FOR AGE ESTIMATIONS	3	1	4
BITE MARK ANALYSIS	5	2	7
FULL DENTURE ANALYSIS	3	0	3
SINGLE TOOTH ANALYSIS	0	0	0

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

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

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

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

Radiology plays an important role in establishing a record of either the normal or abnormal features of the part of the body in question. The use of X-rays to dis-

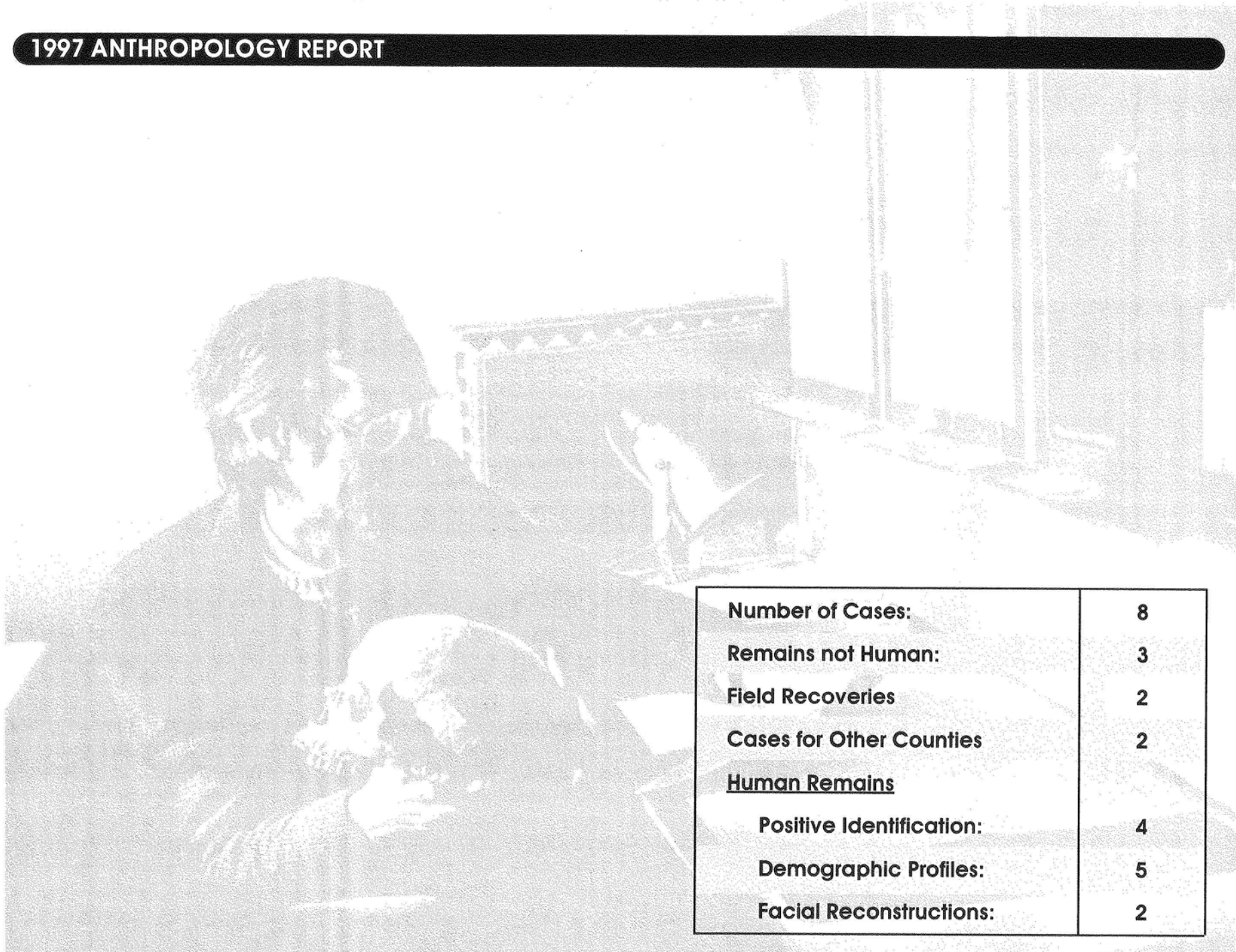
cern multiple pre-existing injuries of specific type and recognizable pattern in a child, living or dead, is now well known in establishing "*The Battered Child Syndrome*".

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.

One thousand three hundred fifty seven (1357) radiographs were made in 1997 of inside cases.

Ninety eight (98) radiographs were made in 1997 of outside cases.



Number of Cases:	8
Remains not Human:	3
Field Recoveries	2
Cases for Other Counties	2
<u>Human Remains</u>	
Positive Identification:	4
Demographic Profiles:	5
Facial Reconstructions:	2

1997 LECTURES GIVEN BY MEMBERS OF THE STAFF

Elizabeth K. Balraj, M.D., Coroner

- January:** Solon Women's Club, "Duties and Functions of Cuyahoga County Coroner."
- February:** American Academy of Forensic Sciences, Annual Meeting, "Unusual Forms of Child Abuse"
American Academy of Forensic Sciences, Annual Meeting, "Pathology/Biology Section Award Presentation to Samuel R. Gerber, M.D. (Posthumous)."
- March:** Fairmount Temple, Sisterhood, "Dead Men Do Tell Tales."
Cleveland Women's Connection, "Coroner's Role in Death Investigation."
Northeast Ohio Municipal Court Clerk's Association, "Coroner's Investigation."
Operating Room Nurses, University Hospitals of Cleveland, Ohio, Education Seminar, "Preserving Evidence."
- April:** University Hospitals of Cleveland, Ohio, Pathology Residents, "Child Abuse."
Brooklyn Democratic Club, "Duties and Functions of Cuyahoga County Coroner."
National Black Police Association, "Coroner's Investigation."
- May:** Asian Pacific American Heritage Month, Defense Finance Center, at Federal Building, Key note Speaker, "Asian Pacific American United, One Mission, One Voice."
Cleveland Police Academy, "Duties and Functions of Cuyahoga County Coroner."
- August:** Christian Medical Collage, Vellore, India, Alumni, Reunion, Scientific Program, "Forensic Medicine in U.S.A."
Ramachandra Medical College, Chennai, India, "Forensic Medicine in U.S.A."
- December:** Cleveland Police Academy, "Duties and Functions of Cuyahoga County Coroner."

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

- January:** Resident Lecture, Institute of Pathology, University Hospitals of Cleveland, "Sharp Force Injury."
- March:** Case Western Reserve Medical School, Pulmonary Committee. Meridia Paramedics and Remington College Students, "Demonstration Autopsies." (Six classes)

1997 LECTURES GIVEN BY MEMBERS OF THE STAFF (continued)

Stela Miron, M.D., Deputy Coroner

- February:** University Hospitals of Cleveland, Pathology Residents, "Sudden Death."
Feb. - Dec.: Demonstration Autopsies (Ten classes)
March: Case Western Reserve University, Appointment - Instructor, Department of Pathology
November: Attended the meeting of Pediatric Forensic Issues in Orlando, Florida

Joseph Felo, M.D., Deputy Coroner

- Ohio College of Podiatric Medicine, "Male Genitourinary Pathology."
Ohio College of Podiatric Medicine, "Gastrointestinal Pathology."

Amanda J. Jenkins, Ph.D., Chief Toxicologist

- July:** "Postmortem Forensic Toxicology" and "Analysis of Unusual Biological Fluids," In Introduction to Forensic Toxicology Workshop, American Association for Clinical Chemistry Annual Meeting, in Atlanta, Georgia.
September: "Forensic Toxicology," In Scientific Evidence Course, Case Western Reserve University Law School, Cleveland, Ohio.
October: Attended Annual Meeting of Society of Forensic Toxicologists, Inc., Snowbird, Utah.
December: "Forensic Toxicology," Cleveland Police Academy, (Two classes)

INTERNS:

- December:** Carlos Marshall, Forensic Chemistry Senior, Ohio University, Athens, Ohio.

David Engelhart, Ph.D., Chemist, Postdoctoral Fellow

- May:** Cleveland Police Academy, "Forensic Toxicology." (Two classes)
July: Cuyahoga County Sheriff, Basic Class, "The Role of the Coroner's Office Toxicology Laboratory in Forensic Investigation." (Two classes)

1997 LECTURES GIVEN BY MEMBERS OF THE STAFF (continued)

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

- March:** Memorial Junior High School, "Trace Evidence".
- April:** National Black Police Association, "DNA".
Mentor Police Department, "Gunshot Residue, Trace Evidence, DNA New Testing, Current Requirements".
O I O - Ohio Identification Officers Association, Gunshot Residue, Trace, "DNA".
- May:** University Hospital - Pathology Department, "Trace Evidence".
- July:** Detectives, Patrolmen and Evidence Technicians from the following municipalities were trained in an intensive, hands-on, mock crime scene format: Avon Lake, Fairview Park, Beachwood, Bay Village, Norfolk Southern Railroad, Lyndhurst, Mayfield Heights, Westlake, Rocky River, Olmsted Township, Westlake EMS, North Olmsted, Olmsted Falls, Lakewood, Richmond Heights, Mayfield Village and Highland Heights - "Crime Scene Seminar Workshop".
- August:** Detectives, Patrolmen and Evidence Technicians from the following municipalities were trained in an intensive, hands-on, mock crime scene format: Berea, Avon, Westlake, Rocky River and Strongsville - Crime Scene Seminar Workshop".
- September:** Case Western Reserve University Law Students - "Trace Evidence & DNA".
Detectives, Patrolmen and Evidence Technicians from the following municipalities were trained in an intensive, hands-on, mock crime scene format: Brooklyn Heights, Independence, U.S. National Parks, Avon, Olmsted, North Royalton, Strongsville, Brecksville, Mentor, Rocky River, Pepper Pike and Cleveland Metroparks Rangers - "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: Solon, Maple Heights, South Russell, Woodmere, Chagrin Falls, Hunting Valley, Seven Hills, National Park Service, Sagamore Hills, Brooklyn Heights, Independence, Moreland Hills, Beachwood, Orange, Parma and Brecksville - "Crime Scene Seminar Workshop".
- December:** Kent State University Students - "Trace Evidence."

Training/Workshop: (Attended)

"Basic Principles of DNA Typing Course" - FBI Academy, Quantico, Virginia. Assistant Director Donald W. Thompson, U.S. Department of Justice, Federal Bureau of Investigation. September 27th to October 3rd, 1997.

"Forensic DNA Typing Methods - Chemiluminescence RFLP Workshop" - Cuyahoga County Coroner's Office, Cleveland, Ohio. Course Instructor Dr. Mohammad Tahir, Marion County Forensic Laboratory, Indianapolis, IN. November 8th to 13th,

1997 LECTURES GIVEN BY MEMBERS OF THE STAFF (continued)

1997. Workshop included extraction of DNA from forensic specimens including bloodstains and vaginal swabs and subsequent Analytical Agarose Electrophoresis and Probing.

"RFLP Sizing Training Course" - Bio-Image, Inc. Ann Arbor, MI. One day training for RFLP Sizing Software at Cuyahoga County Coroner's Office, Cleveland, OH. December 3, 1997. Included training on Gelprint Plus PC & Camera, Umax Powerlook II Scanner and Intelligent Quantifier 1-D for Window 95.

Membership: Ohio Identification Officers Association, Member, 1997.

Recognition/Awards: "Physical Evidence Collection and Documentation in Crime Scene Investigations".

Forensic Training Program Federal Award Grant# 96-DG-G03-7455, through the Byrne Memorial Law Enforcement Assistance Program.

Electronic Imaging Research on Bitemarks and Fibers Award Grant# 94-DG-G02-7462, through the Byrne Memorial Law Enforcement Assistance Program.

Ohio Statewide Consortium DNA Grant through the National Institute of Justice. Forensic DNA Laboratory Improvement Program - Phase 2. Coordinated through Bureau of Criminal Investigation - State of Ohio.

Sharon Rosenberg, Forensic Scientist, Trace Evidence, BS Degree

January: Dr. Barbara Davis, D.V.M., shadowing

February: Bay Village High School Mentoring Program, "Trace Evidence."

March: EMT'S from Broadview Heights, "Trace Evidence."

Cuyahoga Community College, "Trace Evidence."

Fairview High School - shadowing

April: Lakeland Community College, "Trace Evidence." (Two lectures)

Beaumont High School - Shadowing

Lorain County Community College, "Trace Evidence."

May: Cleveland Police Academy, "Trace Evidence." (Two lectures)

1997 LECTURES GIVEN BY MEMBERS OF THE STAFF (continued)

Cuyahoga Community College, "Trace Evidence."

Laura Owens, shadowing

Magnificat High School, shadowing, students for two weeks, Senior Project

Elizabeth Lansky, Trace Evidence, BS and BA Degree

April: Crime Scene Training Class, Strongsville, Ohio

July: Cuyahoga County Sheriff's Department

October: Crime Scene Training Class, Strongsville, Ohio

Crime Scene Training Class, Maple Heights, Ohio

December: Cleveland Police Academy (Two lectures)

Ronald Cechner, Ph.D., Computer Consultant

Full time teaching at Case Western Reserve University Medical School and Undergraduate School

Ronald Abrams, Administrative Assistant

January: Career Day at Ford Middle School, Middleburg Heights, Ohio. "Duties and Functions of the Cuyahoga County Coroner's Office."

Career Day at Roehm Middle School, Middleburg Heights, Ohio. "Duties and Functions of the Cuyahoga County Coroner's Office."

February: Cleveland Police Academy, with Trace Evidence at the Cuyahoga County Coroner's Office. "Duties and Functions of the Cuyahoga County Coroner's Office."

March: East Cleveland Community Center, "Duties and Functions of the Cuyahoga County Coroner's Office."

May: Parma Senior High School, "Duties and Functions of the Cuyahoga County Coroner's Office." (Two classes)

Brooklyn High School, "Duties and Functions of the Cuyahoga County Coroner's Office."

Steven Hawe Elementary School, "Duties and Functions of the Cuyahoga County Coroner's Office."

1997 LECTURES GIVEN BY MEMBERS OF THE STAFF

Buhrer Elementary School, "Duties and Functions of the Cuyahoga County Coroner's Office."

St. Lukes Drug Program, "Duties and Functions of the Cuyahoga County Coroner's Office."

October: Cuyahoga Metropolitan Housing Authority, "Duties and Functions of the Cuyahoga County Coroner's Office."

Polorais Education Center, "Duties and Functions of the Cuyahoga County Coroner's Office."

Jim Wentzel, Photographer

April: Computer Imaging and Computer-Generated Reconstruction. Annual meeting of National Black Police Association, Cleveland, Ohio., Slide Presentation.

May: Computer Imaging and Computer-Generated Reconstruction. Visiting class from Lorain County Community College. Computer demonstration and slide presentation.

July: Crime and/or Accident Scene Documentation. Detectives, Patrolman and Evidence Technicians from the following municipalities were trained in an intensive, hands-on, mock crime scene format: Avon Lake, Fairview Park, Beachwood, Bay Village, Norfolk Southern Railroad, Lyndhurst, Mayfield Heights, Westlake, Rocky River, Olmsted Township, Westlake EMS, North Olmsted, Olmsted Falls, Lakewood, Richmond Heights, Mayfield Village and Highland Heights.

August: Crime and/or Accident Scene Documentation. Detectives, Patrolman and Evidence Technicians from the following municipalities were trained in an intensive, hands-on, mock crime scene format: Berea, Avon, Westlake, Rocky River and Strongsville.

September: Crime and/or Accident Scene Documentation. Detectives, Patrolman and Evidence Technicians from the following municipalities were trained in an intensive, hands-on, mock crime scene format: Brooklyn Heights, Independence, U.S. National Parks, Avon, Olmsted Township, North Royalton, Strongsville, Brecksville, Mentor, Rocky River, Pepper Pike and Cleveland Metroparks Rangers.

1997 PUBLICATIONS BY MEMBERS AND ASSOCIATES OF THE STAFF

Balraj, E.K., Luke, L.M. and Caramela-Miller, S.A. "Application of DNA Analysis to Forensic Cases: The Obvious and Subtle Physical Evidence." *Update, Ohio State Coroners Association*, Vol.11: pp. 4-6, 1997

Balraj, E.K., Luke, L.M., Wentzel, J.T. and Caramela-Miller, S.A. "Evidence Collection Training Manual for Law Enforcement." 65 pages, 1997

Engelhart, D.E., Lavins, E.S., Seligman, S.F. and Sutheimer, C.A. "Diltiazem and pentoxifylline determination in postmortem specimens." *J. Anal. Toxicol.* 21: 576-579, 1997

Jenkins, A.J., and Goldberger, B.A. "Identification of unique cocaine metabolites and smoking by-products in postmortem blood and urine specimens." *J. Forensic Sci.* 42(5): 824-827, 1997

Lovejoy, C.O., Meindl, R.S., Tague, R.G. and Latimer, B.M. "1995 The senescent biology of the hominoid pelvis: Its bearing on the pubic symphysis and auricular surface as age-at-death indicators in the human skeleton." *Rivista de Anthropologia Roma*, 73: 31-49, 1997.

Lovejoy, C.O. and Latimer, B. "1997 Evolutionary aspects of the human lumbosacral spine and their bearing on the function of the intervertebral and sacroiliac joints." *Movement, the Pelvis, and Low Back Pain*. Edited by A. Vleeming, V. Mooney, T. Dorman and C. Snijders. Churchill-Livingston, pp. 213-225.

Lovejoy, C.O., Meindl, R.S., Tague, R.G. and Latimer, B.M. "1997 The Comparative Senescent Biology of the Human Pelvis and its Implications for the Use of Age-at-death Indicators in the Human Skeleton." *Integrating Anthropological Demography: Multidisciplinary Approaches to Prehistoric Population*. R. Paine, ed Center for Archaeological Investigation at Southern Illinois Univ: Carbondale, IL., pp. 43-63

Lovejoy, C.O., Reno, P.L. and McCollum, M.A. "Anthropoid Radial Neck Length and its Implication for Hominid Locomotor Behavior." *Am. J. Anthro., Suppl.* 24: 197, 1997.

Lovejoy, C.O., and Tague, R.G. "AL288-1 - Lucy or Lucifer: Interpretations of australopithecine obstetrics and reproductive biology." *Am. J. Phys. Anthro., Suppl.* 24: 225, 1997

Lovejoy, C.O., Meindl, R.S., Tague, R.G. and Latimer, B.M. "The senescent biology of the pelvis and its implications for age determination." *Am. J. Phys. Anthro., Suppl.* 24: 158, 1997

Lovejoy, C.O., Duren, D.L. "The ontogeny of the femoral neck-shaft angle in normal and myelodysplastic children." *Am. J. Phys. Anthro., Suppl.* 24: 104-105, 1997

Sayre, L.M., **Engelhart, D.A.**, Nadkarni, D.V., Babu, M.K.M., Flammang, A.M. and McCoy, G.D. "The role of iminium-enamine species in the toxication and detoxication of cyclic tertiary amines. Pharmacokinetics, Metabolism and Pharmaceutics of Drugs of Abuse." *NIDA Research Monograph* 173: 106-127, 1997

CHAGRIN FALLS



CUYAHOGA COUNTY

**THE 1997 CORONER'S STATISTICAL REPORT
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