

**Los Angeles County
Department of
Medical Examiner-Coroner**

**2017
Annual Report**



Los Angeles County Board of Supervisors



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PUBLICATIONS

Jean J, Rogers C, Churg-Strauss Syndrome (Eosinophilic Granuloma with Polyangiitis), ASCP Forensic Pathology Check Sample 17-3

Mofid, MM, Teitelbaum S, Suissa D, Ramirez-Montañana A, Astarita DC, Mendieta C, Singer R. Report on Mortality from Gluteal Fat Grafting: Recommendations from the ASERF Task Force. *Aesthet Surg J* 2017: 1-11.

Su, KC, Nguyen, L, Rogers, C. Deaths in Unlicensed Alcohol Rehabilitation Facilities. *J Forensic Sci* 2017;62(1):103-106.

PRESENTATIONS

Harris, R., Kotkin, M., Didier, M., Hardy, W., Flaucher, D., Bodota, A., Roberts, K. Performance of the Illumina ForenSeq™ Signature DNA Prep kit and MiSeq FGx versus the Promega PowerPlex Fusion 5C kit and ABI 310 GA for the DNA Analysis of Human Remains. California Association of Criminalists Conference, San Francisco, CA, May 2017.

Filigenzi, M., Miller, C., Javed-Ghaffar, R., Poppenga, R. Detection of Uncommon Cardiac Glycosides by LC-MS in a Human Poisoning Case presented at American Association of Veterinary Laboratory Diagnosticians, San Diego, CA, October 2017.

Rogers C, Benjamin E, Stewart R, Noguchi TT, Demetriades D, Sathyavagiswaran L. The Forensic Pathologist and the Trauma Surgeon. Paper presented at National Association of Medical Examiners, Scottsdale, Arizona, October 2017.

Xing W., Souccar S. Death Due to Chikungunya - Forensic Case Report. Poster presented at National Association of Medical Examiners, Scottsdale, Arizona, October 2017.

FORENSIC MEDICINE DIVISION

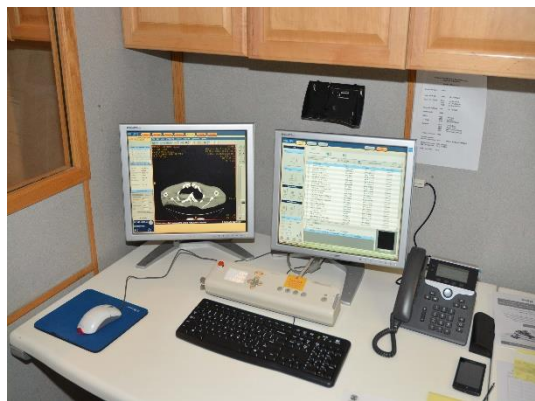
The Forensic Medicine Division's full-time permanent staff consists of board-certified forensic pathologists who are responsible for the professional medical investigation and determination of the cause and manner of each death handled by the Department.

The physicians are experts in the evaluation of sudden, unexpected, natural deaths and unnatural deaths such as deaths from firearms, sharp and blunt force trauma, etc. Physicians are frequently called to court to testify on cause of death and their medical findings and interpretations, particularly in homicide cases.

In addition, the division has consultants in forensic neuropathology, odontology, anthropology, anesthesiology, pediatrics, surgery, ophthalmologic pathology, pulmonary pathology, cardiac pathology, emergency medicine, psychiatry, psychology and radiology to assist the deputy medical examiners in evaluating their cases.

CT SCANNER

Through generous donations and support from the 3rd Supervisory District and the Jewish religious community, the Medical Division was able to add a computed tomography (CT) scanner to the department in September 2016. The purpose was to improve accuracy of diagnoses, improve turnaround time by conducting virtual autopsies, and minimize the operational cost for the County of Los Angeles. In addition to these applications, the CT scanner is utilized for cases where there is religious objection to autopsy.



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MEDICAL EDUCATION

The Department is approved by the Institute for Medical Quality, a subsidiary of the California Medical Association, as a provider of Continuing Medical Education activities.

HEALTH & SAFETY/RISK MANAGEMENT

The Department has implemented an aggressive health & safety committee and risk management program, which has significantly reduced work-related injuries.

ICAN

The Department participates in the Interagency Council for Child Abuse and Neglect (ICAN). This Department is the host of the monthly Child Death Review Committee of ICAN.

IDENTIFICATION OF UNIDENTIFIED BODIES (SB 90)

The Department participates in a State-mandated program to examine dental records and collect appropriate specimens for the identification of John and Jane Does.

MEDICAL EXAMINER-CORONER ALERT PROJECT (MECAP)

The Department of Medical Examiner-Coroner reports to the Consumer Product Safety Commission on all deaths directly related to unsafe consumer products.

RESIDENCY PROGRAM

The Medical Division of the Department of Medical Examiner-Coroner has an Accreditation Council for Graduate Medical Education-approved forensic pathology residency program designed to train deputy medical examiners and prepare them for board certification while performing medical investigations under appropriate supervision.

SCUBA PROGRAM

The Department staff participates in the Los Angeles County Interagency Scuba Committee to investigate and develop programs to prevent future scuba diving fatalities.

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TISSUE HARVESTING/ORGAN TRANSPLANTATION

This program provides corneas and other tissue to all in need in our community through coordinated efforts with various tissue banks and hospitals. After family consent is obtained, our medical staff provides review of organ and tissue procurement in Medical Examiner-Coroner cases.

In addition, the program makes tissue available to low-income and indigent patients at County hospital at no cost to the patients or hospitals.

UNIVERSITY HOSPITAL PATHOLOGY RESIDENT TRAINING PROGRAM

The department offers the opportunity for pathology residents from local university-affiliated hospital (USC, UCLA, Cedars-Sinai, and others) to train in our office with costs paid by the hospitals. This program fosters positive relationships with the university hospitals' pathology department and improves the standard of practice of forensic medicine in general, as these pathology residents will be practicing in the community when they finish training.

FORENSIC SCIENCES LABORATORIES DIVISION

The Forensic Sciences Laboratories Division is responsible for the identification, collection, preservation, and analysis of physical and medical evidence associated with Medical Examiner-Coroner cases.

The mission is to conduct a comprehensive scientific investigation into the cause and manner of any death within the Medical Examiner-Coroner jurisdiction. This is accomplished through the chemical and instrumental analysis of physical and medical evidence.

The goal is to provide our medical examiners, families of decedents, outside investigating agencies, and the judicial system with timely, accurate, and advanced forensic analyses; and to provide expert interpretation of these analyses.

The Forensic Sciences Laboratories are fully accredited in Controlled Substances, Trace Evidence, Toxicology and Firearm/Toolmarks by the prestigious American Society of Crime Laboratory Directors-Laboratory Accreditation Board (ASCLD/LAB-International).

The forensic blood alcohol testing program is licensed by the State of California (Title 17).

CRIMINALISTICS

Our teams of specially trained forensic scientists are on call twenty-four hours a day to respond to crime scenes for the proper documentation, collection and preservation of physical evidence.

HISTOLOGY

This laboratory facilitates the preparation of gross tissue specimens for microscopic examination by the medical staff. This includes hematoxylin and eosin stains, special stains, and immunohistochemical stains.

Through the microscopic examination of tissue, forensic pathologists can determine the age and degree of injury, diagnose disease including cancers, evaluate cellular variation in tissue, and identify the presence of bacteria, medical disorders, and toxins such as asbestos.

TOXICOLOGY

Using advanced instrumentation and methods, the toxicology laboratory conducts chemical and instrumental analysis on postmortem specimens to determine the extent to which drugs may have contributed to a death.

The laboratory's experienced forensic toxicologists offer expert drug interpretation that assist the medical examiners in answering questions such as, what drug was taken? How much and when was the drug taken? Did the drug contribute to the cause and/or manner of death? Was the drug use consistent with therapeutic administration, or was it abuse? If the death is due to a drug overdose, was it intentional or accidental?

SCANNING ELECTRON MICROSCOPY LAB

Our scanning electron microscope (SEM) laboratory conducts gunshot residue (GSR) analyses and toolmark evaluations. Using a SEM equipped with an energy dispersive x-ray detector, GSR analysis is used to determine whether an individual may have fired a weapon.

Our laboratory also performs GSR analyses for many law enforcement agencies throughout California. Toolmark analysis involves the evaluation of trauma to biological material, especially bone and cartilage, as to the type of instrument that might have produced the trauma. This not only helps our pathologists understand the circumstances of a death, but also aids the law enforcement agency in their criminal investigation.

EVIDENCE CONTROL

Our evidence personnel are responsible for maintaining the integrity and chain of custody for all of the evidence collected from Medical Examiner-Coroner cases. All of the physical evidence collected by Department investigators, criminalists, pathologists, forensic technicians, and forensic attendants is documented and maintained by the evidence control unit.

OPERATIONS DIVISION

This Division is responsible for the 24-hour-a-day, 7-day-a-week operations of many direct services provided by the Department. The Division oversees Investigations and Decedent Services Unit. In addition, the Division is responsible for public information office functions, fleet management, emergency and disaster planning, homeland security grants, and other ancillary programs such as regional offices and the Youthful Drunk Driver Visitation Program (YDDVP).

INVESTIGATIONS

The Investigations Division responds to the scenes of death throughout Los Angeles County twenty-four hours a day, 7 days a week.

It is the responsibility of the Coroner Investigator to function as the eyes and ears of the Deputy Medical Examiner, ensure that State law is followed in respect to Medical Examiner-Coroner cases, and be the advocate for the deceased person.

Coroner Investigators are responsible for preparation of investigative reports for use in the determination of cause and manner of death, along with identifying the deceased and notifying their next of kin.

Testimony in court and depositions on Medical Examiner-Coroner cases also is an important part of the investigator's duties. Due to the diverse case load in Los Angeles County, the Coroner Investigator is in the important position of seeing every death that occurs under other than natural circumstances and is often the first to identify trends such as serial deaths and consumer product safety issues.

The Department of Medical Examiner-Coroner is a California Peace Officer Standards and Training (POST) certified agency. Under State law (Penal Code 830.35), all Coroner Investigators are sworn peace officers. The Coroner Investigators must meet the same stringent hiring standards as any other California law enforcement agency.

The Division offers specialized POST certified training including the 40-hour annual Skeletal Recovery course, which is attended by law enforcement, coroner investigators, criminalists, military and others from around the country.

Investigative capabilities have been extended to offices in the Antelope Valley and San Fernando. Regional offices provide a more rapid Medical Examiner-Coroner response to the scene of death, which results in rapid mitigation of traffic and other public conveyance obstructions.

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SPECIAL OPERATIONS, DISASTER PREPAREDNESS AND RESPONSE

The Department of Medical Examiner-Coroner has fielded a specialized response unit comprised of Coroner staff including investigators, criminalists, technicians, doctors and consultants in anthropology and entomology.

The SORT team responds to cases requiring specialized recovery and scene processing techniques, such as those required in aircraft crashes, buried bodies, scattered human remains and fires, and also assists law enforcement agencies in general searches for scattered human remains or possible burial sites. They are the primary responders for mutual aid requests and multiple fatality incidents.

Disaster preparedness and response is a key Departmental responsibility as one of the lead County agencies in major disasters and significant smaller incidents that involve multiple fatalities. The Department also serves as the Region 1 Coroner Mutual Aid Coordinator for the State of California. Our role requires plan development and regular training on the operation of an Emergency Operations Center (EOC) and field response, as well as participating in multi-agency emergency exercises.

As a result of grant funding, the Department has been able to purchase disaster equipment to include multiple decedent storage and transportation vehicles, a command post and mobile autopsy vehicle. We continue to strive to update and keep current with our training and equipment needs.

YOUTHFUL DRUNK DRIVER VISITATION PROGRAM (YDDVP)

Since 1989 the Department of Medical Examiner-Coroner has conducted the YDDVP program, which a judicial offer can consider as an alternative sentencing option. The program is designed to present the consequences of certain behavior to the participants in a manner that is both impactful and educational. The program is currently offered weekly and includes classes presented completely in Spanish.

DECEDENT SERVICES UNIT

Personnel assigned to this unit are responsible for the transportation, processing, storage, and release of bodies that are under the jurisdiction of the Medical Examiner-Coroner. Bodies may be recovered from any death scene, in almost any environment imaginable, including those in public view, private homes, and hospitals. Decedent processing includes obtaining the height and weight of bodies, the collection, documentation, and safekeeping of personal effects, and the collection of both physical and medical evidence, fingerprinting

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of decedents using LIVE-SCAN technology and placement of identification tags on the body.

Bodies are maintained in refrigerated crypts while awaiting examination and release to mortuaries or for County cremation. Additionally, staff members are accountable for all human remains and specimens stored in the crypt areas.

ADMINISTRATIVE SERVICES DIVISION

The Administrative Services Bureau is responsible for all departmental financial operations, departmental budget preparation, fiscal reports, personnel, payroll, procurement, accounting, revenue collection, marketing, volunteer services, contracts and grants, public records request processing, information technology, workfare programs, facilities management, and other related functions.

FISCAL SERVICES

The Accounting section is responsible for all financial transactions performed by the Department of Medical Examiner-Coroner. All Auditor-Controller guidelines are followed as well as any departmental guidelines governing monetary issues. The section also monitors all departmental accounts, such as salary and benefits, overtime expenditures, services and supplies, and budget.

PROCUREMENT

Procurement is responsible for processing all requests for goods and services for the Department, warehouse and facilities management. Procurement staff works closely with fiscal staff to provide real-time information on services and supplies expenditures, fixed assets and inventory control, playing an important budgetary support role. They also provide guidance to end-users in the development of specifications and scopes of work.

HUMAN RESOURCES

Human Resources is responsible for personnel issues that are inherent in County government such as benefits, processing examinations, filling vacant positions, litigation, workers compensation, volunteer services, payroll, community support programs such as job fairs, and budgetary support.

CONTRACTS AND GRANTS

The Department administers contracts and agreements for various functions, such as tissue recovery, regional offices lease agreements, cremation services, neuropathology and forensic pathologist physician services. Contracts/Grants staff monitor existing contracts and grants, ensuring all provisions are adhered to. Staff also studies Department operations in the continuing evaluation of the appropriateness of contracting for other functions.

FORENSIC DATA INFORMATION SYSTEMS

The mission of Forensic Data Information Systems (FDIS) is to enhance and support the Department's long-range goals, mission-critical business goals, and objectives through the administration, project management, and expansion of information technology-related applications and services, including the appropriate delivery of services to agencies referred through appropriate 24/7 e-government technologies.

The FDIS also is responsible for network, database and application administration, preparation of statistics and general client support. The FDIS is responsible to ensure that the Department is in alignment with the County-wide strategic planning effort to conduct County business electronically and maintain compliance with the technological directives as stipulated by the County's Chief Information Officer. The FDIS manages the information technology efforts of subcontracts in the implementation and support of new technologies such as e-commerce content management and voice over internet protocol (VoIP).

PUBLIC SERVICES DIVISION

This Division is responsible for Medical Examiner-Coroner case file management, revenue collection (document sales, decedent billing, etc.), and interaction with the public both telephonically and at the front lobby reception area. In addition to providing information and copies of autopsy reports, Public Services staff offers many services to the public. These services include preparation of “Proof of Death” letters to verify that a death is being investigated by the Medical Examiner-Coroner, and “Port of Entry” letters to confirm that at decedent had no communicable disease, necessary for the decedent’s admission into a foreign country after death.

RECORDS SECTION

The Medical Examiner-Coroner is mandated by the California Government Code to retain all files permanently; therefore, the Department maintains 100+ years of records that are accessed on a regular basis at the request of the public, law enforcement and other government agencies. This Section is responsible for maintaining and securing Medical Examiner-Coroner records. In addition, this section handles a large volume of calls and is tasked with handling requests for records, reports and proof of death letters. Older records are maintained off site, on microfilm or microfiche, and must be transferred on to paper in order to be released. Some of our older records date back to the 19th century and are handwritten in ledgers.

DEATH CERTIFICATION

The Section is responsible for the completion and daily issuance of the death certificates to mortuaries.

MEDICAL/CLERICAL SECTION

This Section is responsible for reporting SIDS (Sudden Infant Death Syndrome) cases to the State and local health agencies for follow-up by those agencies.

The section also provides clerical support to the Deputy Medical Examiners.

MEDICAL TRANSCRIBING

The Transcriber is responsible for the transcription of the autopsy report protocols, microscopic slide reports, neuropathology reports, suicide recordings, case review reports, supplemental reports, etc. An outside contractor is utilized for routine transcriptions.

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PERSONAL PROPERTY SECTION

Personal property of all decedents is kept in the Personal Property Section and maintained in a vault until release to the decedent's next of kin. The Department has three Personal Property Custodians who collect, inventory, safeguard and release decedent's personal property to the legal next of kin. The Custodians are also responsible for disposal of all unclaimed personal effects.

SUBPOENA DESK

The desk is responsible for processing all criminal and civil subpoenas, distribution (DocuPeak) of all subpoenas issued to staff on Medical Examiner-Coroner related business, processes subpoenas requesting documents, collection of witness fees. The desk is also responsible for the scheduling of all Deputy medical Examiners for court appearances, depositions and appointments with law enforcement, Deputy District Attorneys, Public Defender staff, and members of the public.

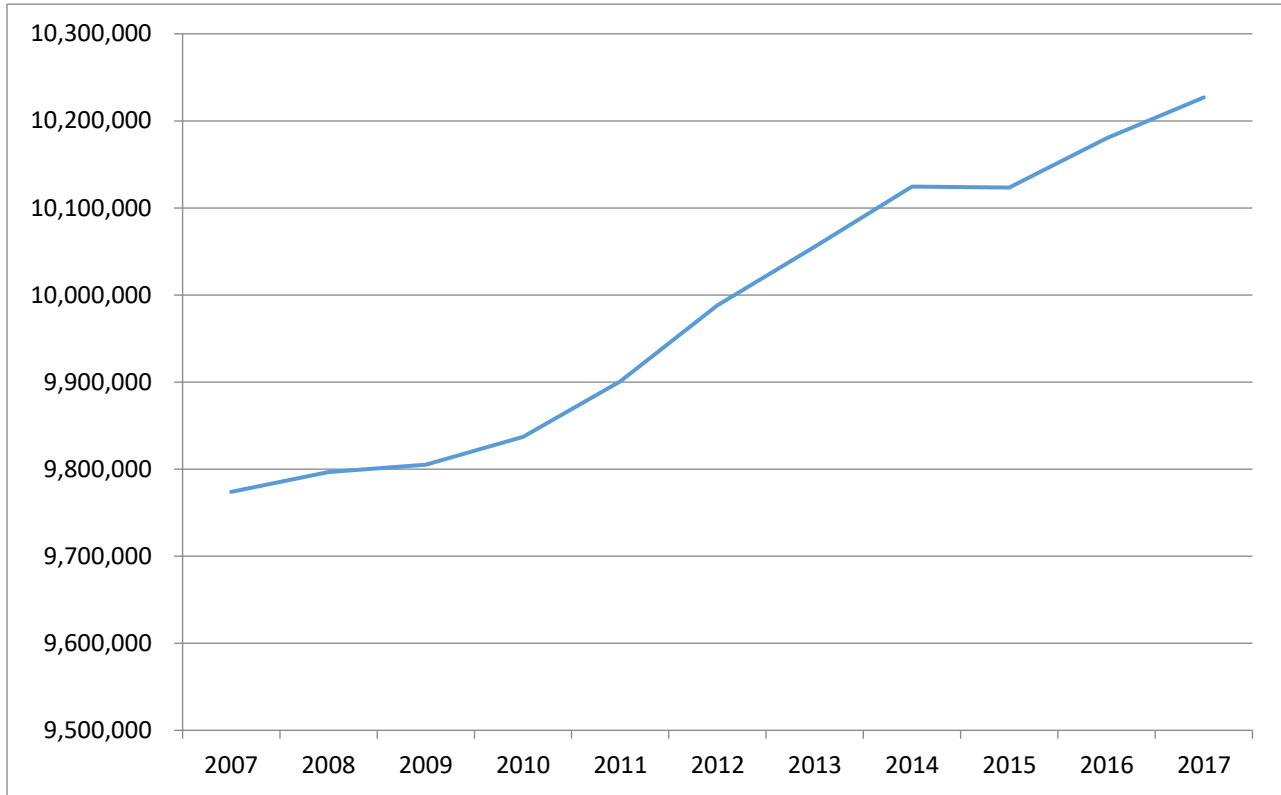
BILLING SECTION

This section is responsible for billing and collecting transportation and handling (T&H) fees from the legal Next of Kin (NOK). California Government Code (Sections 27472 and 54985) and Los Angeles County Code (2.22.100) authorizes the Medical Examiner-Coroner to charge and collect from the person entitled to control the disposition of the remains the actual expense incurred by the coroner in removing the body from the place of death and keeping the body until its release to the person responsible for its interment. These same codes allow the Medical Examiner-Coroner to waive the fees if the person entitled to control the disposition of the remains claims and proves to be indigent. Full or make partial payments can be made via mail, online or in person.

GIFT SHOP

"Skeletons in the Closet" has been operating since September 1993. The purpose of the store is to promote how fragile life is and create awareness and responsibility toward one's actions. Souvenir items, such as beach towels, t-shirts, baseball caps, key chains and more are offered for sale in the store and online.

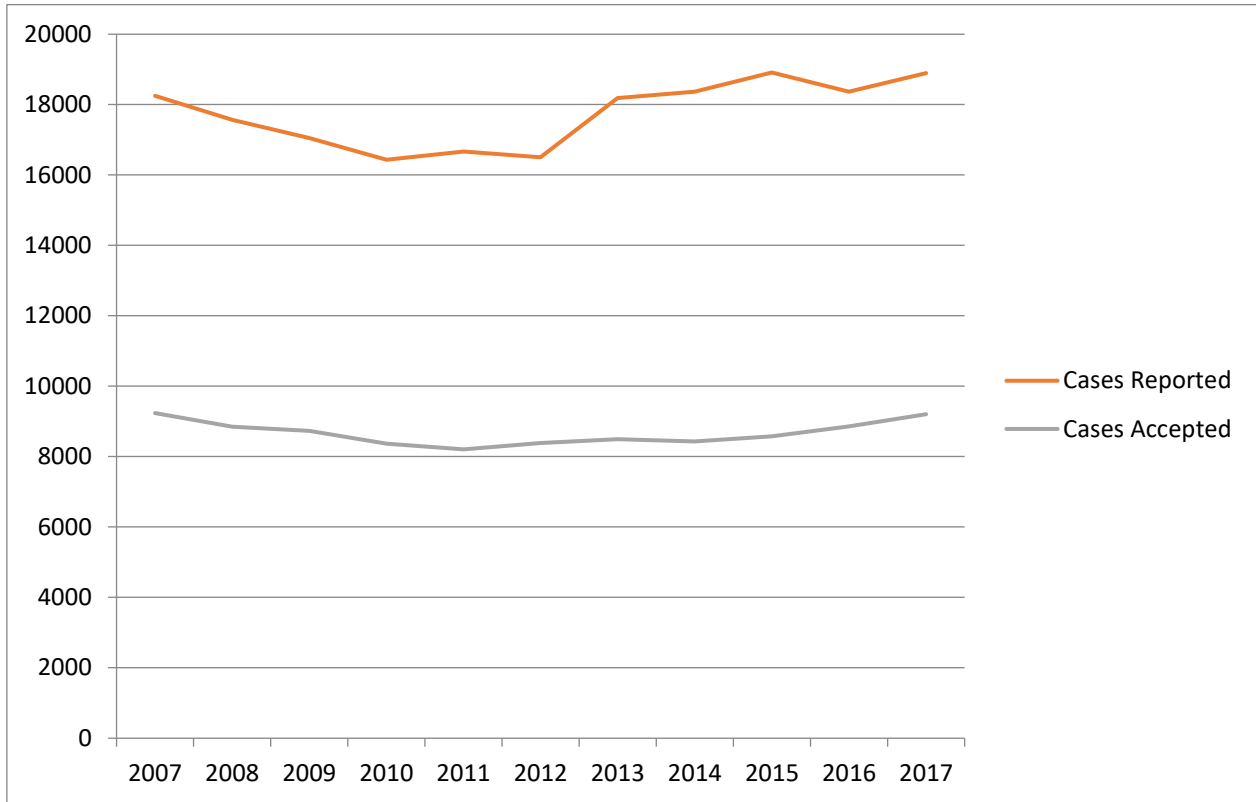
Population of Los Angeles County, 2007-2017



Year	Population
2007	9,773,894
2008	9,796,812
2009	9,805,233
2010	9,837,011
2011	9,900,858
2012	9,988,287
2013	10,055,477
2014	10,124,684
2015	10,123,248
2016	10,180,069
2017	10,226,920

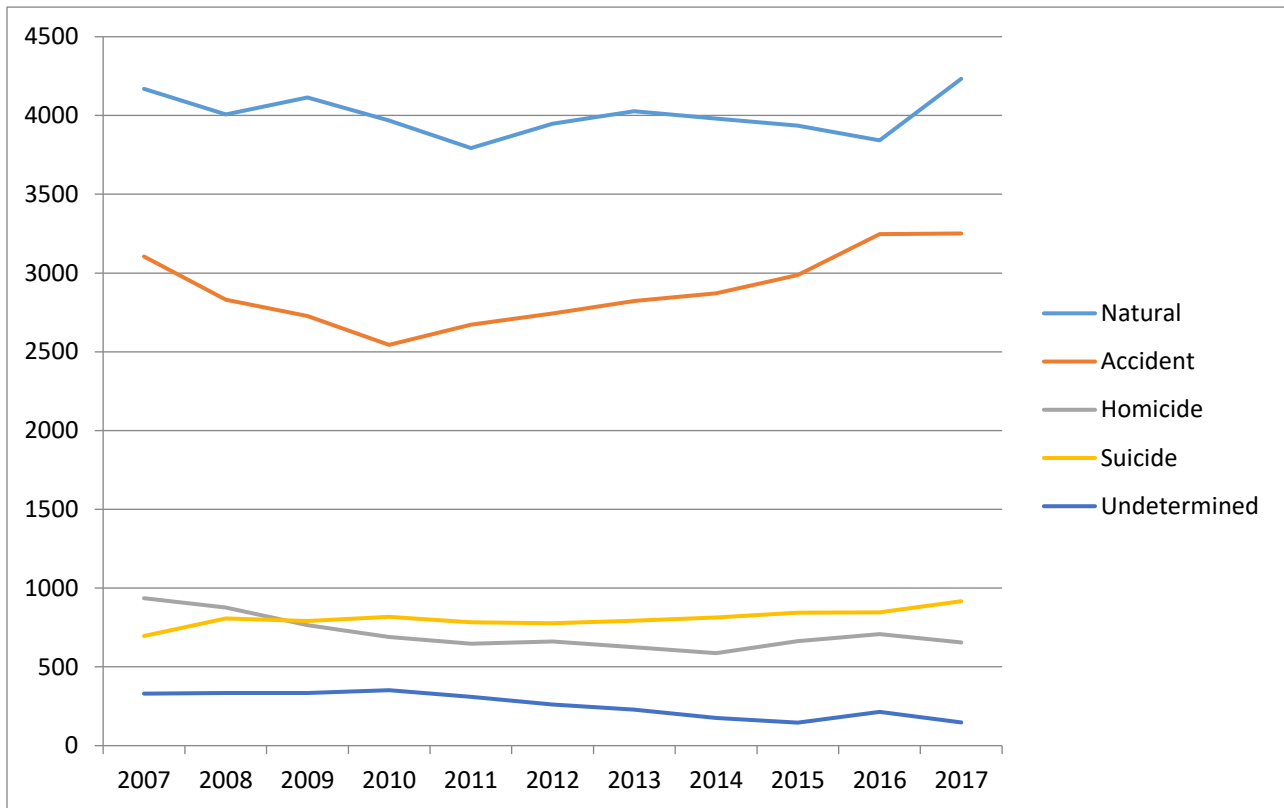
Sources: State of California, Department of Finance

Number of Reported and Accepted Cases per Year, 2007-2017



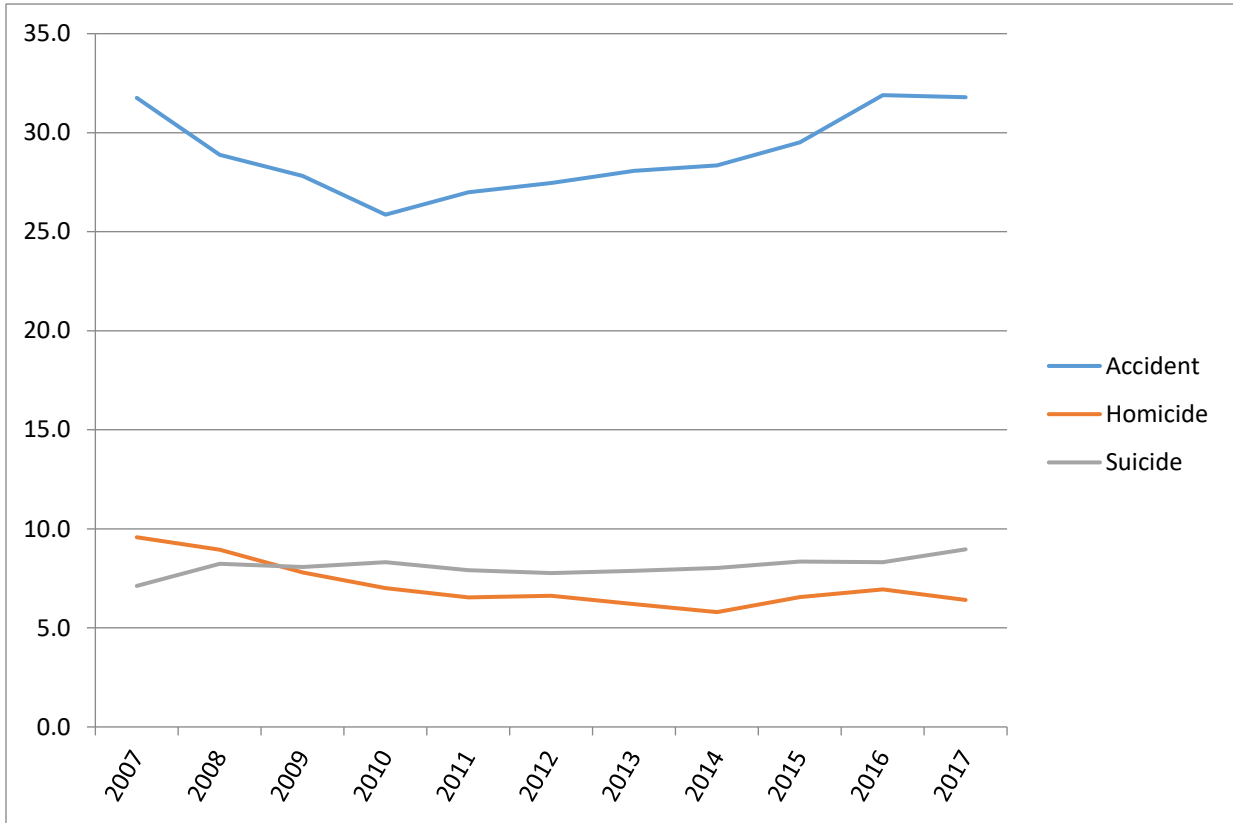
Year	Cases Reported	Cases Accepted
2007	18,254	9,237
2008	17,572	8,854
2009	17,053	8,734
2010	16,434	8,371
2011	16,668	8,207
2012	16,508	8,390
2013	18,187	8,495
2014	18,365	8,428
2015	18,913	8,578
2016	18,367	8,856
2017	18,892	9,204

Final Manner of Medical Examiner-Coroner Cases, 2007-2017



Year	Natural	Accident	Homicide	Suicide	Undetermined
2007	4,170	3,104	936	696	331
2008	4,007	2,830	876	807	334
2009	4,115	2,728	765	791	335
2010	3,968	2,544	689	818	352
2011	3,793	2,673	647	784	310
2012	3,947	2,743	662	776	262
2013	4,027	2,823	624	793	228
2014	3,981	2,871	587	813	176
2015	3,936	2,987	664	845	146
2016	3,842	3,247	707	846	214
2017	4,233	3,251	656	917	147

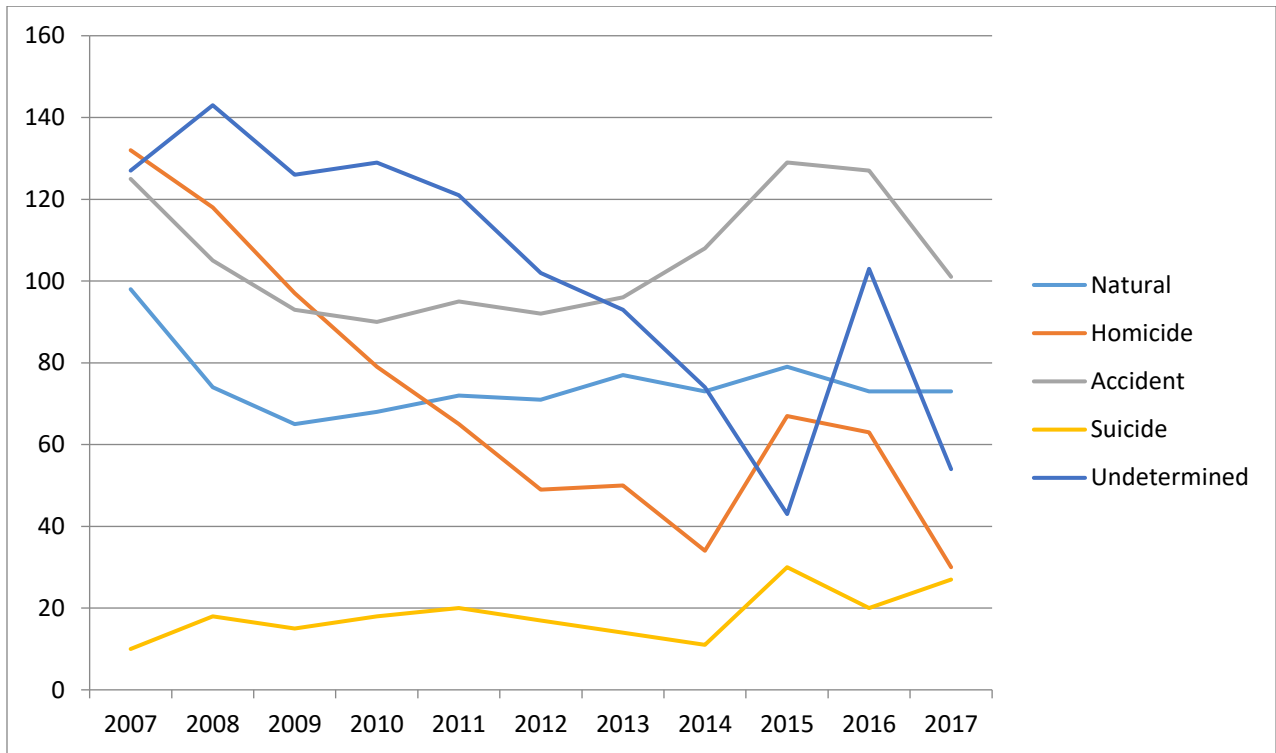
Death Rates* per 100,000 Population, 2007-2017



*crude rates

Year	Accident	Homicide	Suicide
2007	31.8	9.6	7.1
2008	28.9	8.9	8.2
2009	27.8	7.8	8.1
2010	25.9	7.0	8.3
2011	27.0	6.5	7.9
2012	27.5	6.6	7.8
2013	28.1	6.2	7.9
2014	28.4	5.8	8.0
2015	29.5	6.6	8.3
2016	31.9	6.9	8.3
2017	31.8	6.4	9.0

Manner for Child Deaths (Ages under 18), 2007-2017

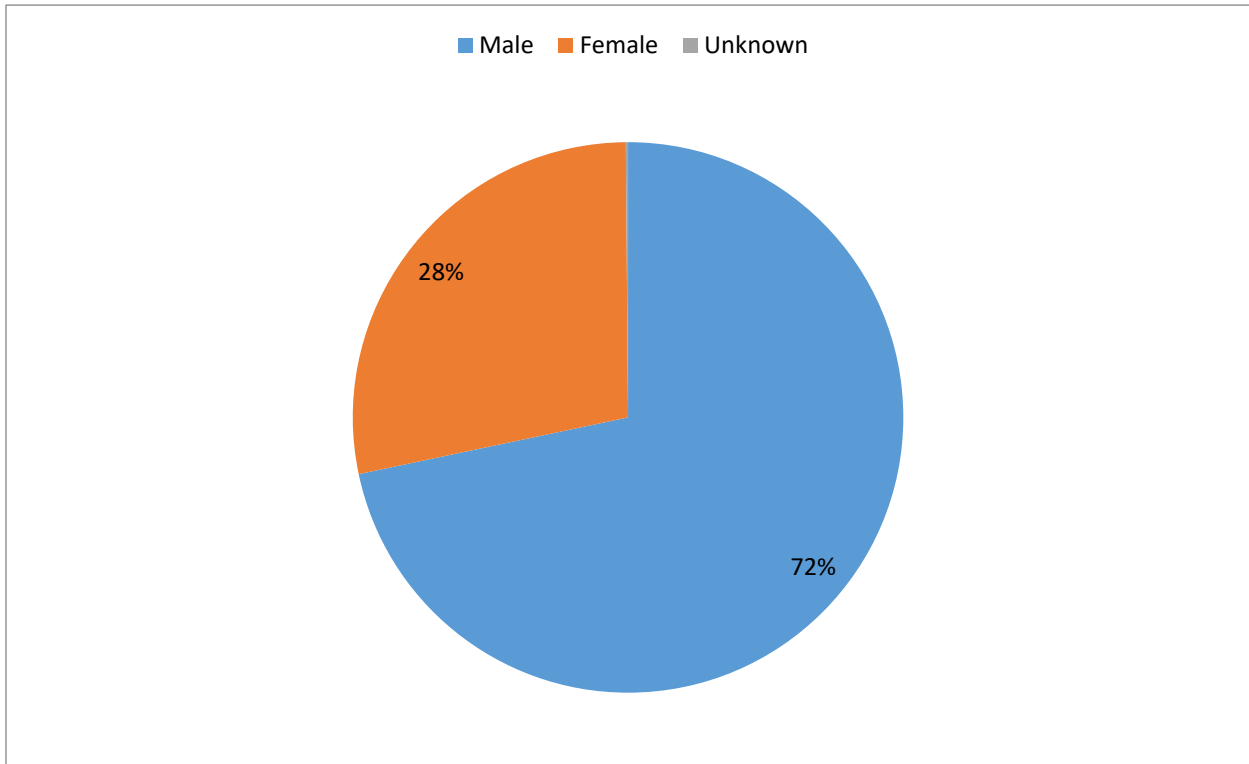


Year	Natural	Homicide	Accident	Suicide	Undetermined
2007	98	132	125	10	127
2008	74	118	105	18	143
2009	65	97	93	15	126
2010	68	79	90	18	129
2011	72	65	95	20	121
2012	71	49	92	17	102
2013	77	50	96	14	93
2014	73	34	108	11	74
2015	79	67	129	30	43
2016	73	63	127	20	103
2017	73	30	101	27	54

Statistics Required by National Association of Medical Examiners

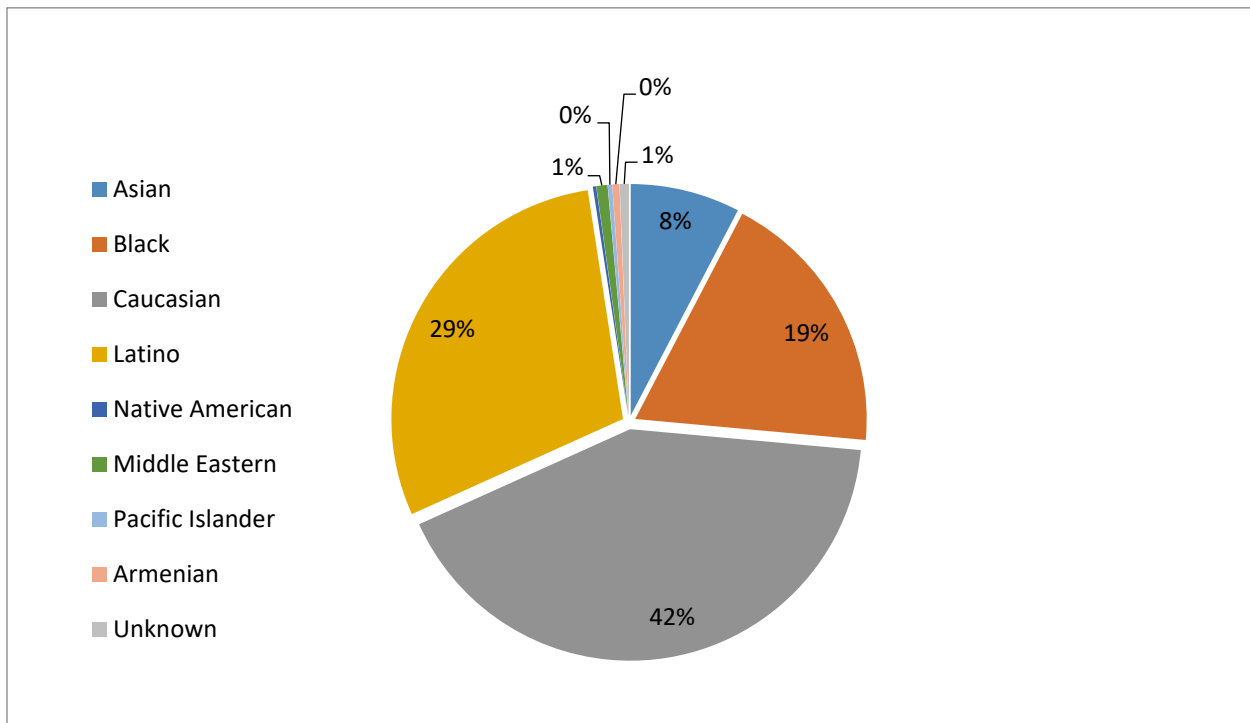
Number of deaths reported:	18,892
Number of cases accepted:	9,204
Number of cases by manner of death:	
Accident:	4,233
Homicide:	656
Natural:	3,251
Suicide:	917
Undetermined:	147
Scene visits:	4,039
Number of bodies transported:	6,469
External examinations:	
By physician:	3,138
By investigator:	2,792
Partial autopsies:	221
Complete autopsies:	3,263
Hospital autopsies under ME jurisdiction:	7
Cases where toxicology was performed:	4,432
Bodies unidentified after examination:	18
Organ and tissue donations:	
Total organ donors:	159
Total tissue donors:	779
Unclaimed bodies:	655
Exhumations:	0

Medical Examiner-Coroner Cases by Gender



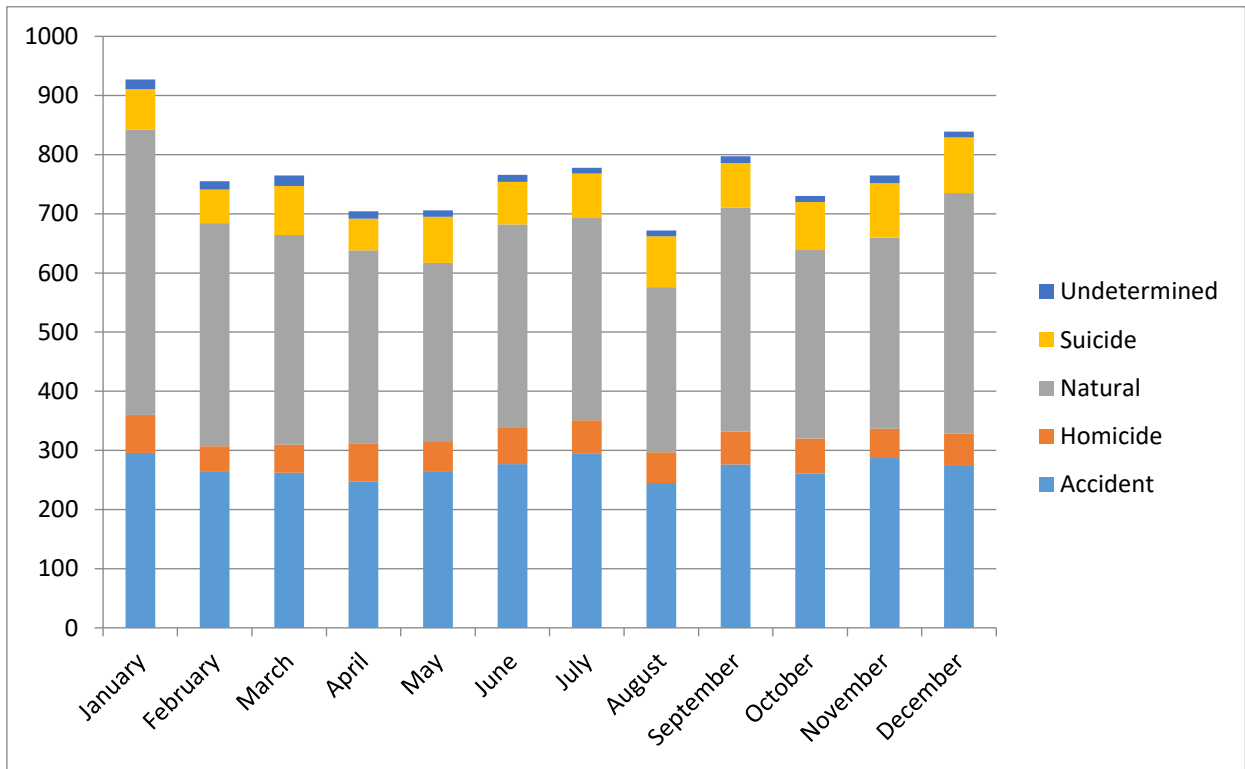
Gender	Number of Cases
Male	6,599
Female	2,593
Unknown	12
Total	9,204

Medical Examiner-Coroner Cases by Race



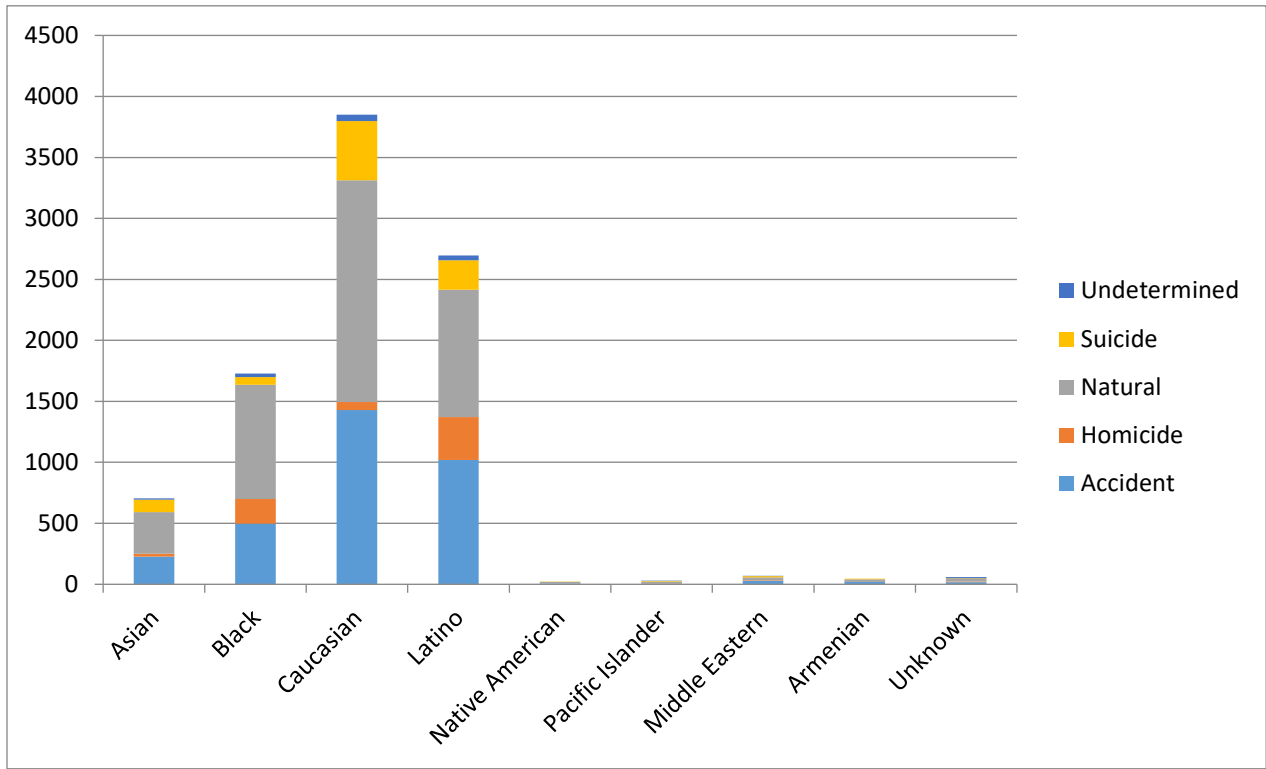
Race	Number of Cases
Asian	705
Black	1,729
Caucasian	3,849
Latino	2,697
Native American	21
Middle Eastern	71
Pacific Islander	28
Armenian	45
Unknown	59
Total	9,204

Manner of Death by Month



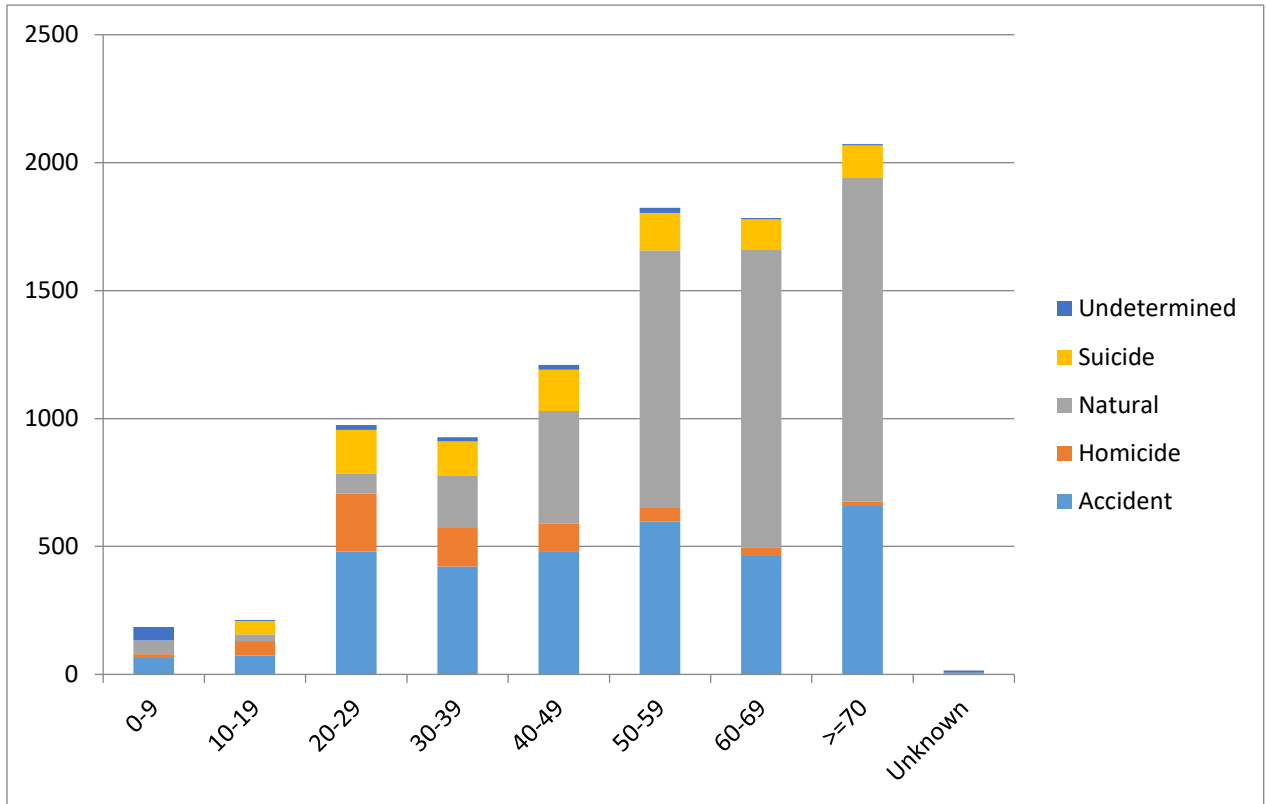
Month	Accident	Homicide	Natural	Suicide	Undetermined
January	296	64	482	69	16
February	265	42	377	57	14
March	262	48	354	83	18
April	247	65	326	54	12
May	265	49	303	78	11
June	277	61	344	72	12
July	295	56	342	75	10
August	245	52	279	86	10
September	276	56	378	76	11
October	261	59	319	81	10
November	287	50	323	92	13
December	275	54	406	94	10
Total	3,251	656	4,233	917	147

Race/Ethnicity Distribution for Each Manner



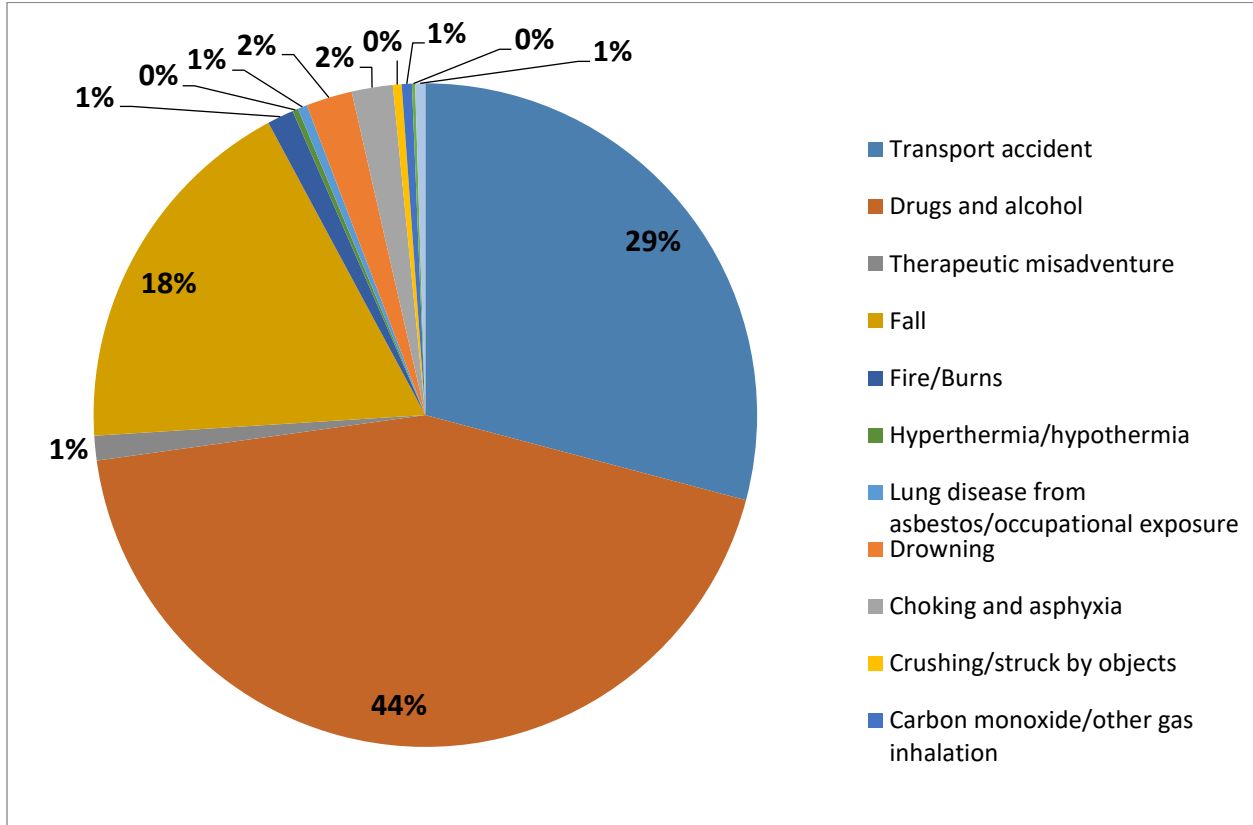
Race	Accident	Homicide	Natural	Suicide	Undetermined
Asian	226	24	342	103	10
Black	498	202	936	62	31
Caucasian	1428	67	1818	485	51
Latino	1020	351	1044	241	41
Native American	7	0	12	2	0
Pacific Islander	7	2	14	4	1
Middle Eastern	28	4	25	11	3
Armenian	19	1	21	4	0
Unknown	18	5	21	5	10
Total	3,251	656	4,233	917	147

Medical Examiner-Coroner Cases by Age and Manner



	0-9	10-19	20-29	30-39	40-49	50-59	60-69	>=70	Unknown
Accident	68	74	481	422	482	598	463	662	1
Homicide	11	56	226	154	107	53	34	14	1
Natural	54	26	79	200	440	1,006	1,161	1,264	3
Suicide	0	53	170	135	162	147	120	128	2
Undetermined	52	4	19	16	19	19	5	5	8
Total	185	213	975	927	1,210	1,823	1,783	2,073	15

Accidental Deaths

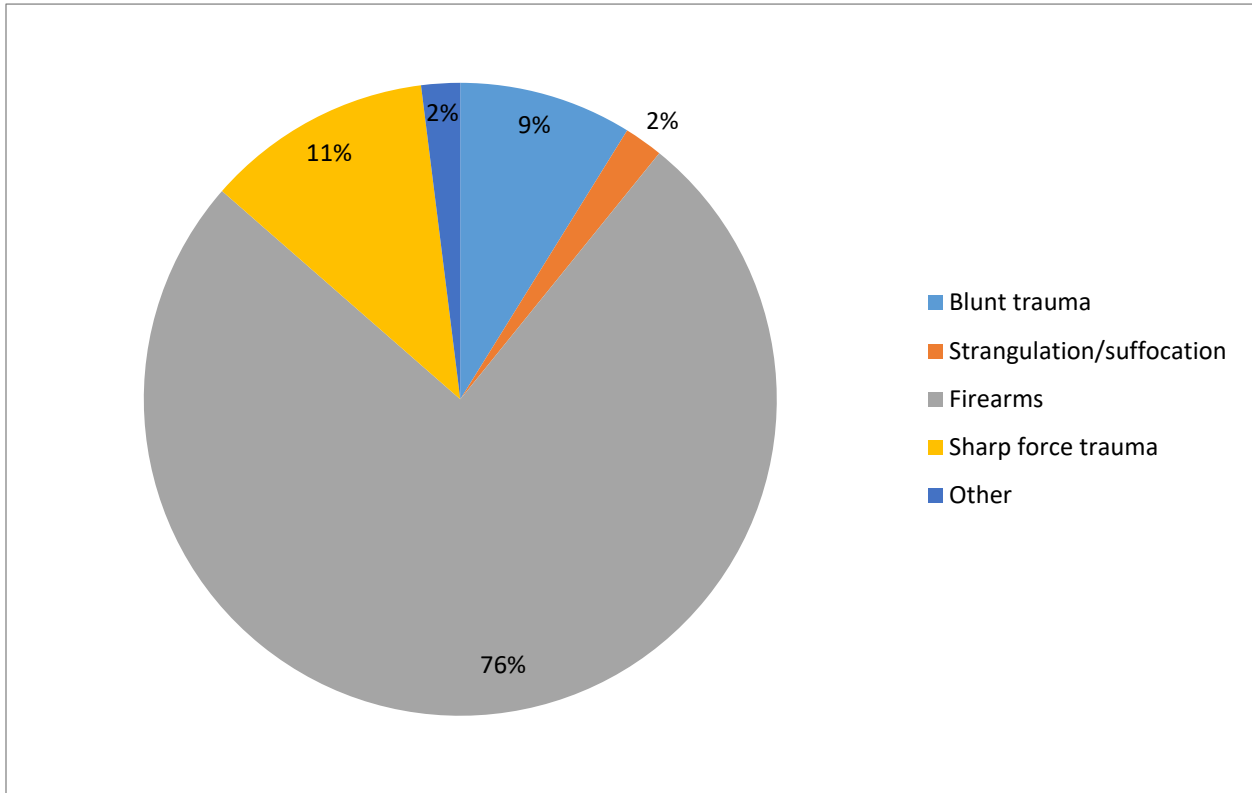


Type of Accident	Count	Percentage
Transport accident	947	29%
Drugs and alcohol	1,420	44%
Therapeutic misadventure	39	1%
Fall	590	18%
Fire/burns	42	1%
Hyperthermia/hypothermia	9	0.3%
Lung disease from asbestos/occupational exposure	15	0.5%
Drowning	73	2%
Choking and asphyxia	65	2%
Crushing/struck by objects	14	0.4%
Carbon monoxide/other gas inhalation	16	0.5%
Electrocution	5	0.2%
Other	16	0.5%
Total	3,251	

Transportation Accidents

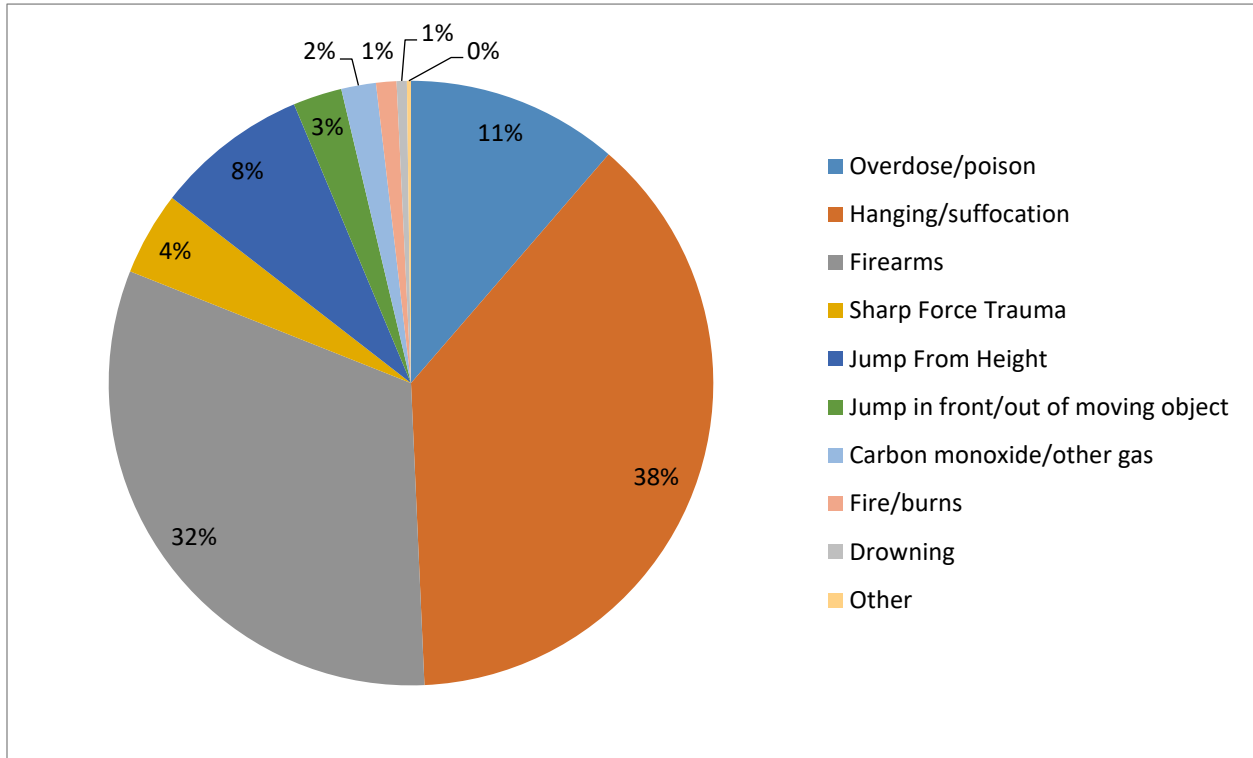
Pedestrians	364
Pedal cyclists	48
Motorcycle riders	147
Vehicle occupants	375
Water transport accident	1
Other transport accidents	12
Total transport accidents	947

Homicidal Deaths



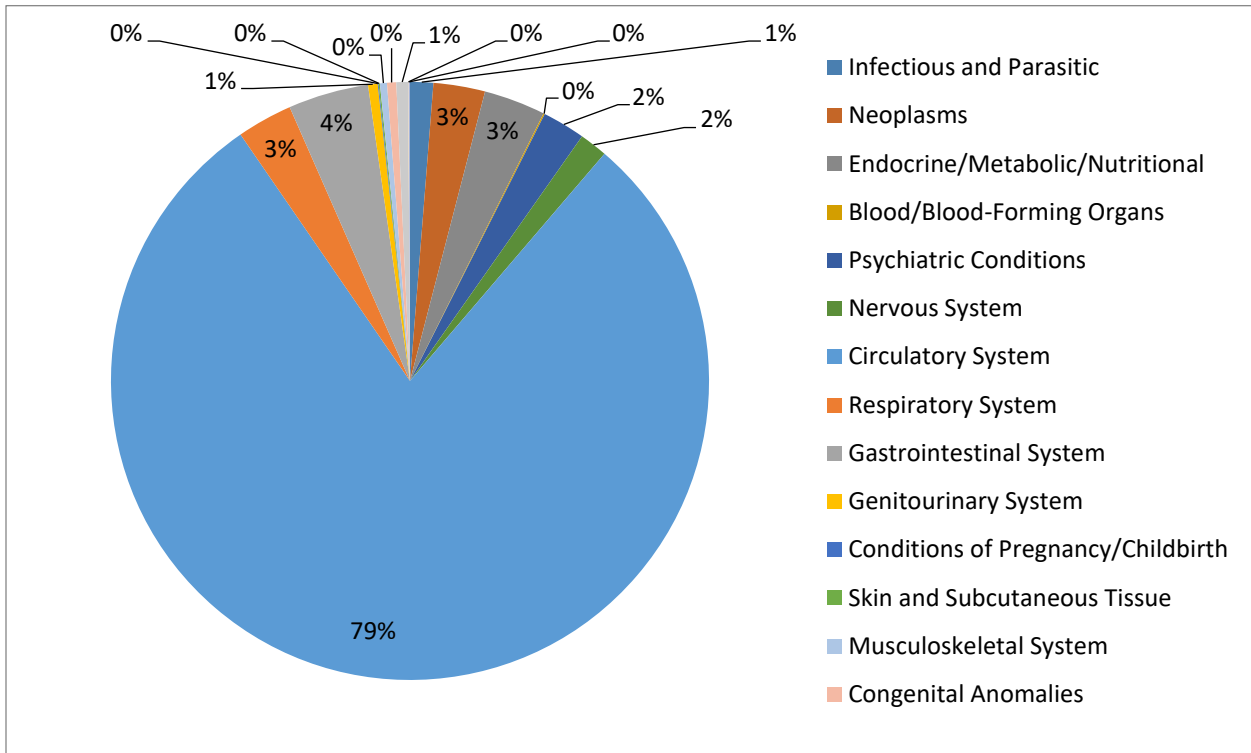
Type of Homicide	Count	Percentage
Blunt trauma	58	9%
Strangulation/suffocation	13	2%
Firearms	496	76%
Sharp force trauma	76	11%
Other	13	2%
Total homicides	656	

Suicidal Deaths



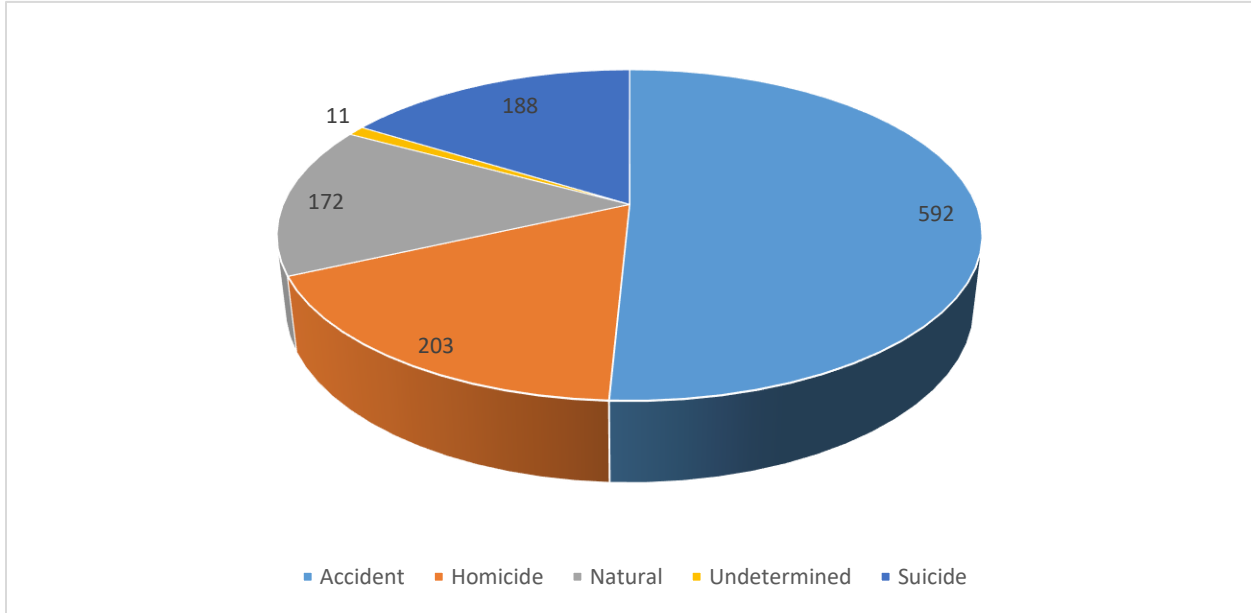
Type of Suicide	Count	Percentage
Overdose/poison	104	11%
Hanging/suffocation	348	38%
Firearms	291	32%
Sharp force trauma	41	4%
Jump from height	75	8%
Jump in front/out of moving object	24	3%
Carbon monoxide/other gas	17	2%
Fire/burns	10	1%
Drowning	5	1%
Other	2	0.2%
Total suicides	917	

Natural Deaths

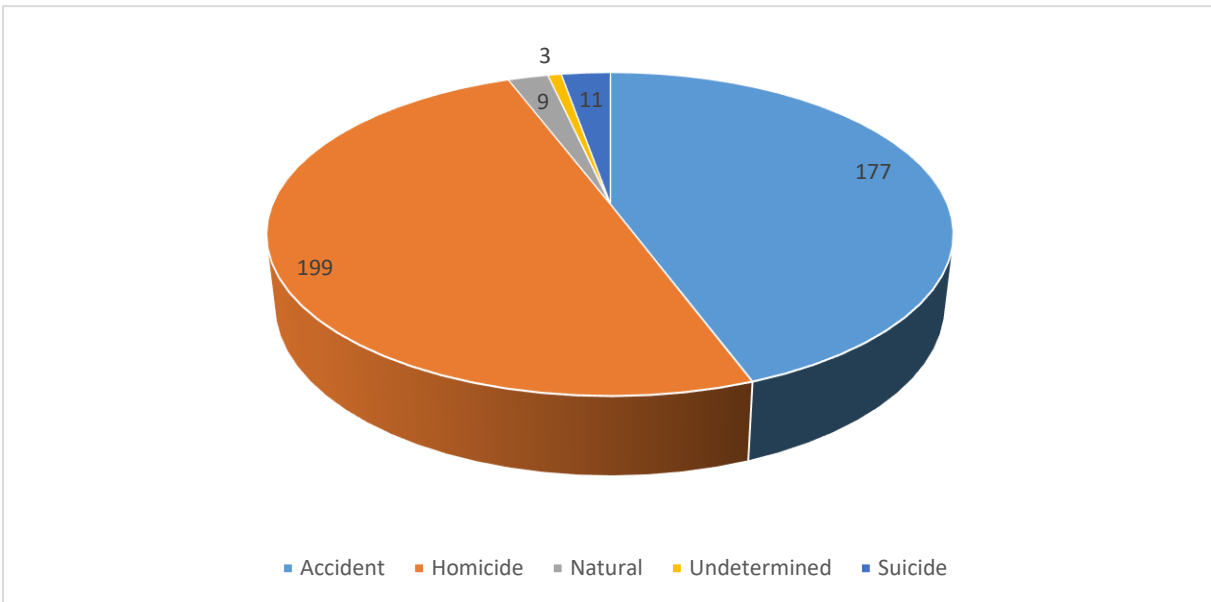


Type of Natural	Count	Percentage
Infectious and parasitic	53	1%
Neoplasms	118	3%
Endocrine/metabolic/nutritional	141	3%
Blood/blood-forming organs	3	0.1%
Psychiatric conditions	98	2%
Nervous system	64	2%
Circulatory system	3350	79%
Respiratory system	127	3%
Gastrointestinal system	184	4%
Genitourinary system	22	1%
Conditions of pregnancy/childbirth	2	0.0%
Skin and subcutaneous tissue	3	0.1%
Musculoskeletal system	16	0.4%
Congenital anomalies	21	0.5%
Perinatal conditions	27	1%
Anaphylaxis	1	0.0%
Other	3	0.1%
Total	4233	

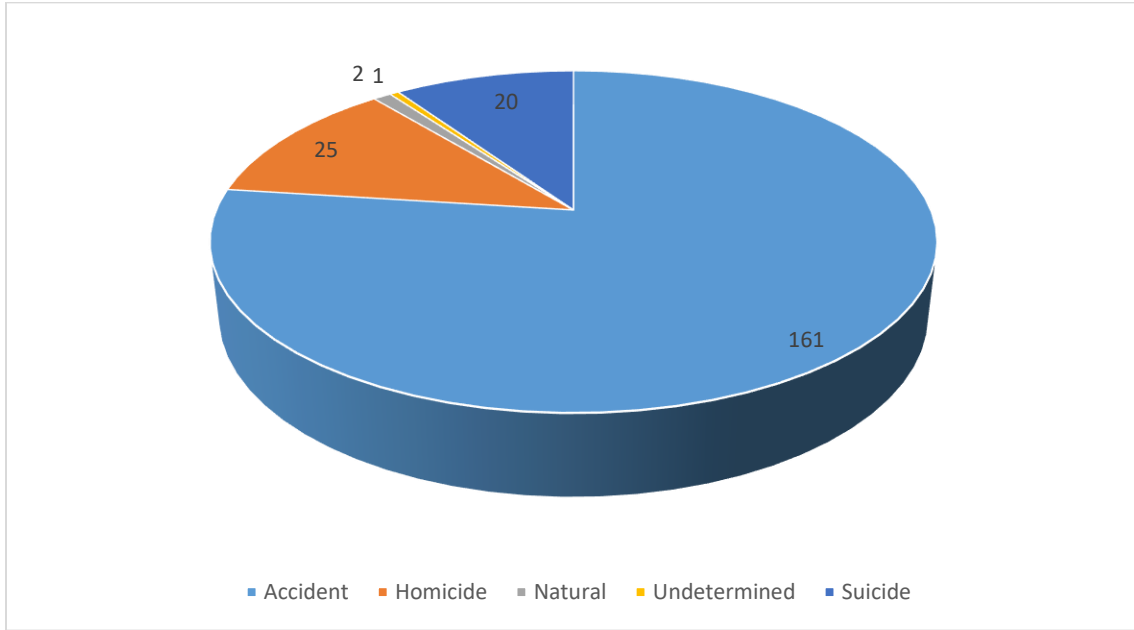
Alcohol Detected by Manner Total Cases: 1,166



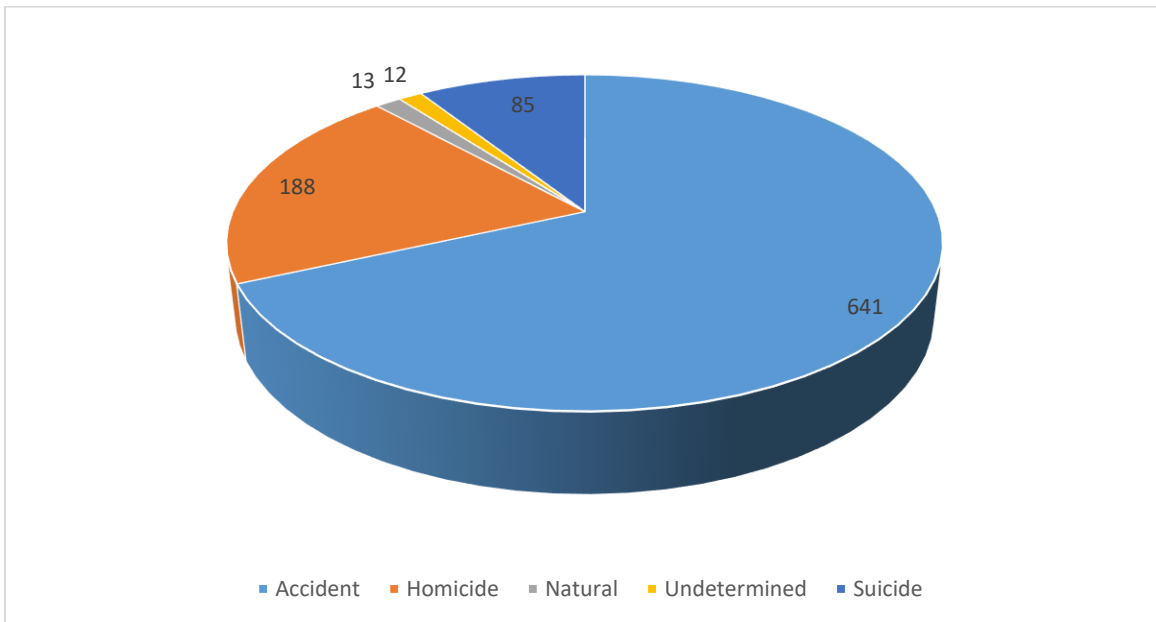
Marijuana Detected by Manner Total Cases: 399



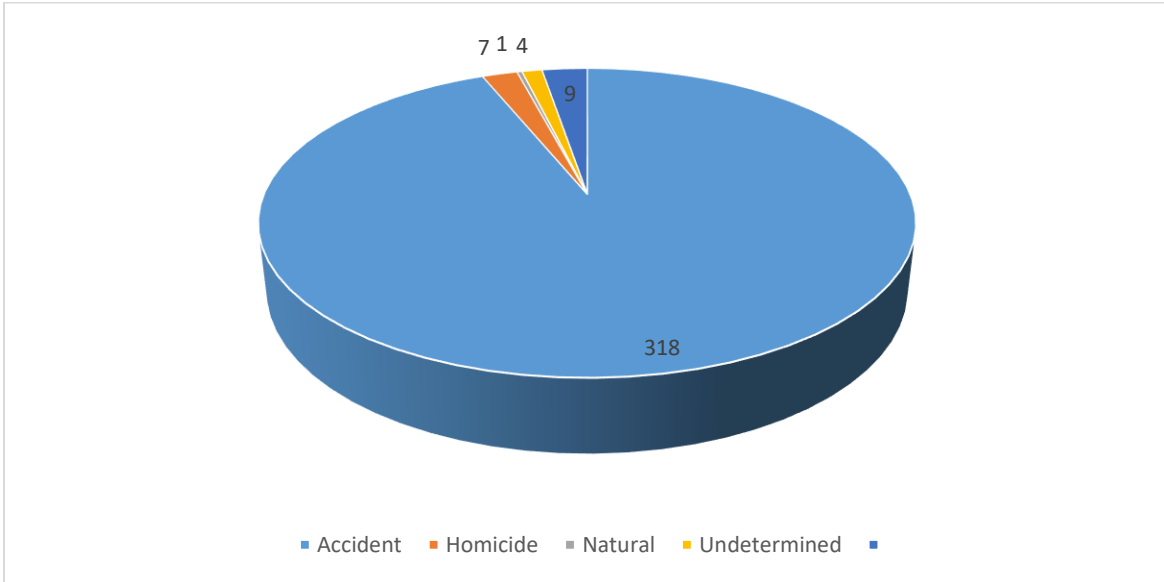
Cocaine Detected by Manner Total Cases: 209



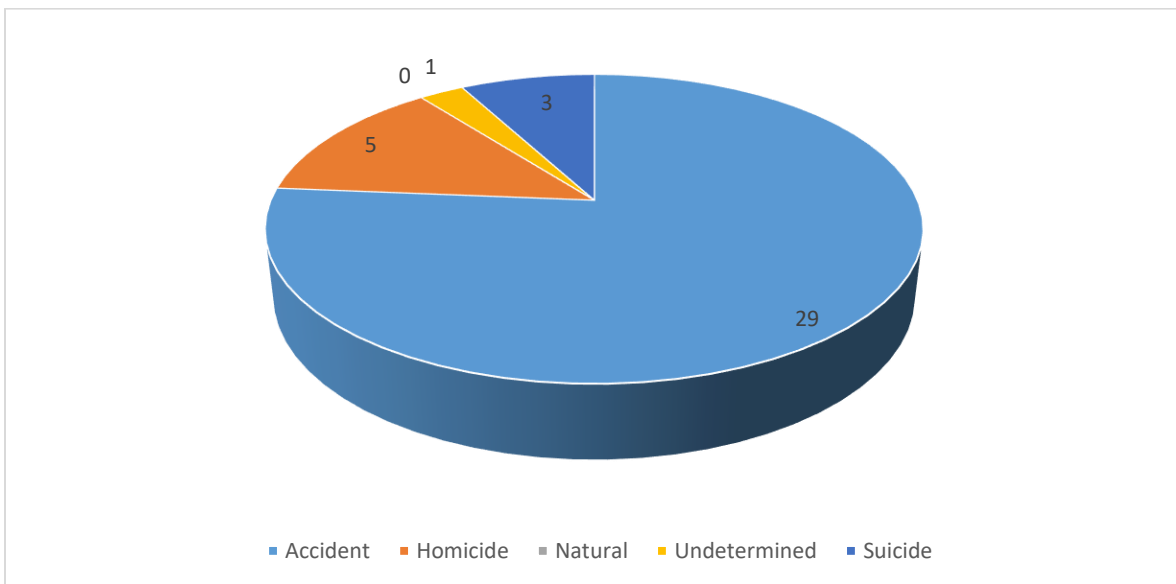
Methamphetamine Detected by Manner Total Cases: 939



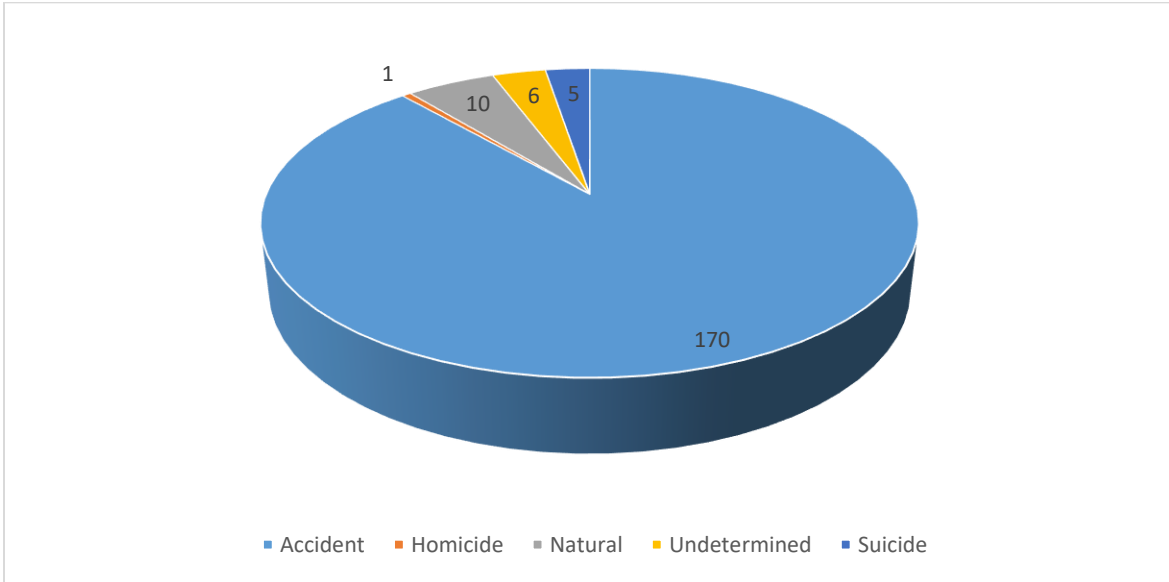
Heroin Detected by Manner Total Cases: 339



Phencyclidine Detected by Manner Total Cases: 38



Fentanyl Detected by Manner
Total Cases: 192



Sympathomimetic Amines (i.e. Ecstasy, Molly)
Detected by Manner
Total Cases: 183

