2018 ANNUAL REPORT

BOULDER COUNTY CORONER’S OFFICE

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To the Citizens of Boulder County,

It is my pleasure to present the 2018 annual report for the Boulder County Coroner's Office. This report highlights statistical information from the office over the calendar year and should serve as a valuable resource to understand our obligation to Boulder County. Our case load, total scene responses, and total autopsies for 2018 remained consistent with the dramatic increase observed first in the year 2013. Providing the citizens of Boulder County with the highest quality service continues to be the priority of this office. In putting this report together, we did not see a much fluctuation in cases; therefore, we did not note any emerging trends or changes to share for this year.

A year ago, we implemented our new case management system. After a year of usage, we can say this was a huge benefit to the office. One of the benefits worth noting here is the mobility aspects this program created. This has proven to be a very valuable asset for our staff working in the field. They can now complete their work more efficiently, even while on scenes outside of the office.

In addition, work is also underway with scanning years of paper case files and uploading them into the system for the office goal of more secure and permanent retention. As a result, in 2018, we formed a Historical Committee. The goal of this committee was to review, organize, and electronically preserve all legacy data in the Coroner’s Office. The goal is to eventually have all records electronic up to present time. In addition to the electronic preservation, this Committee is reviewing ways to identify and share information of historical significance with the county. All very exciting things for the office and Boulder County. This year, volunteer committee members worked on scanning cases from 1950-1960. Staff committee members worked on scanning cases from present back to 2015, the work is ongoing. The great progress observed this year really aided in the overall goal of this of the project.

Furthermore, in 2018, great strides were made to work on identifying our three John Does and one Baby Doe case. Two of the John Doe cases were exhumed from their respective burial sites for additional testing. Updated X-rays were completed on both cases. 3D facial reconstructions were completed on two of the cases. Cases were sent to the University of South Florida for updated anthropology reports, isotope testing, facial approximations, and cleaned up identification photographs. DNA profiles have been uploaded into CODIS (The Combined DNA Index System) for all three John Doe cases and the profiles are constantly searching in the CODIS system for matches. For one case that had clothing intact, the clothing was sent to U.S. Customs and Border Protection for pollen testing for more location information. For this case, we also ran additional toxicology testing and sent fingerprints through the Colorado Bureau of Investigation. We do not have them identified as of now; however, you can see we made great strides in ensuring we have exhausted every means possible and we remain hopeful.

I am happy to share all of these great accomplishments, and am honored and proud to have had the opportunity to serve the citizens of Boulder County for another great year.

Boulder County Coroner,

Emma R. Hall
Coroner
TABLE OF CONTENTS

Introduction ........................................................................................................................................................................................................... 6

Mission Statement ........................................................................................................................................................................................................... 6

Function of the Office ........................................................................................................................................................................................................... 6

Boulder County Coroner Badge ........................................................................................................................................................................................................... 7

Staff ..................................................................................................................................................................................................................... 8

Facilities ......................................................................................................................................................................................................... 11

Description of Reportable Cases ........................................................................................................................................................................................................... 13

Yearly Trends........................................................................................................................................................................................................... 14

Percentages of Boulder County Deaths Reported to the Coroner ........................................................................................................................................................................................................... 14

Autopsies by Year ........................................................................................................................................................................................................... 15

Coroner Response and Autopsy Totals ........................................................................................................................................................................................................... 16

2018 Trends ........................................................................................................................................................................................................... 17

Cases by Month ........................................................................................................................................................................................................... 17

Disposition of Cases ........................................................................................................................................................................................................... 17

Transfer of Jurisdiction ........................................................................................................................................................................................................... 18

Coroner Responses by Month ........................................................................................................................................................................................................... 19

Coroner Responses by Location of Death ........................................................................................................................................................................................................... 20

Emergency Department Calls by Month ........................................................................................................................................................................................................... 21

Hospice Cases by Month ........................................................................................................................................................................................................... 21

Manner of Death ........................................................................................................................................................................................................... 22

Manner of Death By Number and Percentage ........................................................................................................................................................................................................... 22

Coroner Response by Manner ........................................................................................................................................................................................................... 23

Autopsies by Manner of Death ........................................................................................................................................................................................................... 23

Natural Deaths ........................................................................................................................................................................................................... 24

Natural Deaths by Month ........................................................................................................................................................................................................... 24

Natural Deaths by Age and Gender ........................................................................................................................................................................................................... 24

Suicides ........................................................................................................................................................................................................... 25

Suicides by Year ........................................................................................................................................................................................................... 25
Child Deaths by Cause of Natural Deaths

Sudden Unexplained Infant Death (SUID) and Sudden Infant Death Syndrome (SIDS)

10 year Child Death Study

Unsafe Sleep Findings in 10 Year Child Death Study

Transient/Homeless Deaths

Transient Deaths by Year

Transient Deaths per Municipality

Transient Deaths by Manner of Death 2011-2018

Transient Deaths by Manner of Death 2018

Type of Accidental/Undetermined Transient Deaths 2011-2018

Type of Accidental/Undetermined Transient Deaths 2018

Law Enforcement

Investigations with Law Enforcement Agencies

Boulder Police Department

Boulder County Sheriff's Office

Boulder County Shoot Team

Colorado State Patrol

Erie Police Department

Lafayette Police Department

Longmont Police Department

Louisville Police Department

Nederland Police Department

Rocky Mountain National Park

University of Colorado Police Department

Ward Marshal

Unidentified Remains

Unidentified Black Male

Unidentified Caucasian Male

Unidentified Caucasian Female Infant
MISSION STATEMENT

The mission of the Boulder County Coroner’s Office is to conduct thorough and fair investigations into deaths falling under its jurisdiction with professionalism and integrity to determine the manner and cause of death in a timely manner. The core values of the office are integrity, excellence and compassion; the office is committed to maintaining the integrity of the investigations it conducts by setting high standards of accountability and preserving confidentiality, the office is committed to serving with excellence by establishing and preserving community trust through professional conduct, the office is committed to providing compassion, dignity and respect for the deceased and their families.

FUNCTION OF THE OFFICE

The Office of the Boulder County Coroner is a creation of the Colorado Constitution and the Colorado Revised Statutes §30-10-601 through 621. Under those statutes the Coroner is required to make all proper inquiry regarding the cause and manner of death of any person under his/her jurisdiction.

The cause of death may be defined as the disease or injury that resulted in the death of an individual. Examples of causes of death may include: “heart disease,” “pneumonia,” “gunshot wound,” or “blunt force trauma”. The manner of death is a medico-legal term that describes the circumstances of an individual’s death, and is an opinion based on the “preponderance of evidence”. When a natural disease process (such as heart disease or diabetes) causes death, the manner of death typically would be classified as Natural. The manner of death is classified as Accident when the death is the result of a hostile environment, and the event is not expected, foreseen, or intended. The manner of death is classified as Suicide when the person acts with the intent of causing his or her own death. When the death is the result of the killing of one human being by another, the manner of death is classified as Homicide. Homicide is a medico-legal term and should not be confused with such terms as “murder” or “manslaughter” which are used by the criminal justice system to describe the degree of criminal intent in a particular homicide. When there is insufficient evidence to determine the cause and/or manner of death, both the cause and manner of death may be classified as Undetermined. In other instances, the cause of death may be readily apparent, but the evidence that indicates manner of death may be equivocal, thereby leading to a manner of death of Undetermined. The manner of death is classified primarily to aid survivors in understanding the events surrounding an individual’s death and for statistical purposes.
**BOULDER COUNTY CORONER BADGE**

**Badge Symbolism:** The Boulder County Coroner badge is displayed to symbolize the authority to act under public trust and the duty to serve. The oval shaped badge dates back to medieval times and the laurel wreath is made of connected branches and leaves of the bay laurel, it is used as a symbol of honor.

**Sun Rays:** In the background of the badge there are twenty-two distinctive sun rays. The thirteen upper rays are a reminder of the responsibilities and the qualities the office holds in the search for the truth. The office has a responsibility to investigate deaths for the deceased, their families and community as a whole. The office serves with professionalism, integrity, excellence, compassion, accountability, confidentiality, dignity and respect. All of these qualities are also represented in the Coroner’s mission statement. The lower nine rays represent the cities within Boulder County: Lyons, Longmont, Louisville, Boulder, Superior, Lafayette, Erie, Nederland and Ward.

**Banners:**
- All banners are black in color.
- The deputy's rank is proudly denoted on a banner at the top of the badge.
- A second banner near the top of the badge prominently displays BOULDER COUNTY.
- A third banner near the bottom of the badge prominently displays CORONER.
- The bottom banner personalizes each badge with a badge number assigned by the Coroner.

**Crown:** In Middle English, the word “coroner” referred to an officer of the crown, derived from the French couronne and Latin corona, meaning "crown". The crown is represented at the base of the badge with 5 points demonstrating the branches of death investigation every coroner and deputy serves to investigate: Natural, Accident, Suicide, Homicide and Undetermined. The year 1877 is inscribed into the crown to represent the year the first Coroner took office in Boulder County, Seth D. Bowker, who served from 1877-1881.

**Center Piece:** The centerpiece of the badge is an image of Boulder Creek for which the county was named after; in the background are the Boulder Flatirons which are a popular icon of the Boulder area. There is an American flag atop the flatirons. On the left side of the center piece is the Colorado state symbol and on the right side is a medical legal symbol.

**Rank Designation:**
- **Deputy:** Silver Borders on each rocker/banner, silver lettering.
- **Chief Deputy:** Gold border on each rocker/banner, gold lettering.
- **Coroner:** Copper border on each rocker/banner, and copper lettering.
The 2018 staff of the Boulder County Coroner’s Office consisted of the following:

**Elected Coroner: Emma R. Hall.** Ms. Hall is a Boulder County native who grew up in Lyons on Hall Ranch. She comes from a pioneer family that has lived in the county since the 1870s. Ms. Hall is responsible for the day to day administration of the office as well as the daily management of cases. She is ultimately responsible for the determinations of cause and manner of death for the cases in which the office takes jurisdiction. Ms. Hall is a graduate of Niwot High School and Metropolitan State College of Denver, with a degree in Criminalistics (the study of evidence). Her background includes experience and training in death investigation, autopsies and forensic pathology, crime scene investigation, evidence analysis, elder abuse, child death investigation, blood stain pattern analysis, forensic anthropology, mass fatalities and emergency management, aquatic death and homicidal drowning. Ms. Hall is a registered Medicolegal Death Investigator with The American Board of Medicolegal Death Investigators. Ms. Hall is additionally a Certified Death Investigator with the Colorado Coroner’s Association as well as a member of the Colorado Coroner’s Association. She co-chairs the Elder Abuse Fatality Review Team with District Attorney. Ms. Hall attends a number of meetings throughout the county and state to include Boulder County Elected Official/Department Head meetings, mass fatality planning meetings, fire and flood planning meetings, Boulder County Child Fatality Review Team meetings, Boulder County Law Enforcement Chiefs meetings, Metro Area Coroner meetings, and the Colorado Forensic Investigators meetings. Additionally, Ms. Hall serves on the Board of the Colorado Coroner’s Association and as the President of the Criminal Justice/Forensics Advisory Board at Arapahoe Ridge High School in Boulder. Ms. Hall’s true passion in the field is being able to provide answers to as many questions as possible to the family in each investigation and to help the family in their healing process.

**Chief Deputy Coroner: Dustin Bueno.** Mr. Bueno is responsible for the day to day administration of the office and the management of the investigations and pathology staff. Mr. Bueno has over 15 years of combined experience working in, and managing, the field of medico-legal death investigation and private investigations. Mr. Bueno was previously at the Adams County Coroner’s Office where he held positions as a Deputy Coroner, a Supervisor and a Chief Deputy; as a supervisor and field training officer he created a death investigation training program and wrote numerous office policies and procedures still in use today. He has managed and participated in the conception and implementation of two, state of the art, Coroner Facilities in Colorado. Mr. Bueno is experienced in assisting with autopsy procedures and has extensive training in toxicology, radiography, latent fingerprint collection and identification, and photography to name a few. Mr. Bueno has produced numerous educational presentations for law enforcement and the community, and he has taught on numerous career related topics as well as trained many Deputy Coroner’s currently employed across the state of Colorado. Mr. Bueno and his wife are both Colorado natives with three wonderful children. He loves the outdoors and anything involving the Rocky Mountains.
Board Certified Forensic Pathologist:  Daniel C. Lingamfelter, D.O., Forensic Pathologist. Dr. Daniel Lingamfelter is a 2004 graduate of University of North Texas Health Science Center. His post graduate training consisted of an Anatomic and Clinical Pathology Residency at the University of Missouri-Kansas City, and a Forensic Pathology Fellowship at the University of Texas Southwest Medical Center. Dr. Lingamfelter is board certified by the American Board of Pathology in Forensic Pathology, Anatomic and Clinical Pathology and has taught at the University of Missouri School of Medicine and at Texas Christian University. Dr. Lingamfelter has published many journal articles and has given many presentations throughout the nation and Canada.

Board Certified Forensic Pathologist:  Meredith Frank, M.D., Forensic Pathologist. Dr. Frank obtained her medical doctorate at the University of Texas in San Antonio and completed her residency training at the University of Colorado Denver. She then completed a Forensic Pathology fellowship at the Southwest Institute of Forensic Sciences in Dallas, Texas. Dr. Frank is board certified by the American Board of Pathology in Anatomic and Clinical Pathology and Forensic Pathology. Since 2010, she has served as a Medical Examiner in Dallas TX, Anchorage AK, and Denver, CO. Dr. Frank serves as Director and Faculty for the Forensic Pathology Fellowship Program at the University of Colorado Denver School of Medicine. She holds a status of Fellow with the American Academy of Forensic Sciences and is a Member of the National Association of Medical Examiners.

Investigations Supervisor:  Brandon Dixon. Mr. Dixon grew up in the Golden area and attended college at the University of Colorado at Denver. He graduated with a degree in history and has worked in the investigative field ever since. Mr. Dixon spent five years working in the private sector doing financial and insurance based investigative work prior to joining the coroner’s office in 2012. Mr. Dixon is responsible for operational oversight of the investigations department, as well as, handling various day-to-day operations of the office and general managerial duties.

Lead Death Investigator:  Laurissa Lampi. Mrs. Lampi has a Bachelor's Degree and Master's Degree in Criminal Justice with a minor in Forensic Science. During her studies, she interned for the Bexar County Medical Examiner's Office. After completion of her undergraduate studies, she worked for the Texas Department of Family and Protective Services. She served six years in the United States Air Force as an Arabic Linguist and has two Associate's Degrees in Arabic and Cryptologic Language Analysis. Mrs. Lampi handles a portion of the caseload, as well as handling various day-to-day operations of the office.

Lead Death Investigator:  Jordan Steiner. Mr. Steiner has a Bachelor's Degree in Anthropology and a minor in Mathematics from the University of Colorado, Boulder. Following college, he attended the Red Rocks Community College Law Enforcement Academy where he graduated with academic and arrest control honors. Mr. Steiner handles a portion of the caseload, as well as handling various day-to-day operations of the office.

Deputy Coroner:  Cari Lehl. Mrs. Lehl has a Bachelor's Degree and Master's Degree in Forensic Science and a minor in psychology. During her studies, she interned with the Weld County Coroner's Office, the Arapahoe County Coroner's Office, the Miami-Dade Medical Examiner's Office, and the Denver Police Department. Mrs. Lehl handles a portion of the caseload, leads the Child Fatality Prevention and Review Team meetings, as well as handling various day-to-day operations of the office.

Deputy Coroner:  Tahlia Cristobal. Ms. Cristobal has a Bachelor's Degree in Biology and a Minor in Criminalistics from Metropolitan State University of Denver. She started her forensic education at a young age and went through a Forensic Science vocational school while in high school. While in college, Ms. Cristobal completed an internship with the Boulder County Coroner's Office. This experience then led to her full time employment with Boulder County as a Deputy Coroner. Ms. Cristobal handles a portion of the caseload, as well as handling various day-to-day operations of the office.

Deputy Coroner:  Thomas Meyers. Mr. Meyers has a Bachelor's Degree in Biomedical/Forensic Photography from Barry University in Miami Shores, Florida. Following school, he completed a six-month internship with the Forensic Imaging Bureau of the Miami-Dade County Medical Examiner Department before being hired as an
autopsy technician and investigator by the District Twenty Medical Examiner’s Office in Naples, Florida. Mr. Meyers handles a portion of the caseload along with various day-to-day operations of the office.

**Pathology Supervisor:** Katie Becker. Ms. Becker grew up in the Thornton area and attended college at Colorado State University. She graduated with a Bachelor’s Degree in Sociology with an emphasis in Criminal Justice. Following her graduation Ms. Becker started with the Coroner’s office as a part time Pathology Technician. This experience then led to her full-time employment as the Pathology Supervisor, where she is responsible for the operational oversight of the pathology department. In addition, Ms. Becker assists with autopsies and is responsible for the day-to-day operations of the morgue. Ms. Becker is also the office representative for the North Central Region Mass Fatality Committee.

**Pathology Assistant:** Kayci Vigil. Ms. Vigil has Bachelor’s Degrees in Anthropology and Sociology with emphases in Biology and Criminal Justice from Colorado State University. While in college, Ms. Vigil completed an internship with the Boulder County Coroner’s Office. This experience then led to her full-time employment with Boulder County as a Pathology Technician. Ms. Vigil assists with autopsies, as well as handling various day-to-day operations of the morgue.

**Administrative Supervisor:** Noelle Mockler. Ms. Mockler has a Master’s Degree in Forensic Psychology from Marymount University in Arlington, VA and Bachelor’s Degree in Criminal Justice and Criminology from Metropolitan State University. After completion of her graduate degree, she worked primarily in the human service field in the DC area for approximately 5 years before moving back to Colorado. Noelle is the Assistant to the Coroner as well as the operational oversight of the administrative department

**Administrative Technician:** Kristina Mahoney. Ms. Mahoney is the Administrative Specialist for the Boulder County Coroner’s Office. She joined the coroner’s office in April of 2018 after previously working as a law enforcement-based victim advocate. She is responsible for administrative and accounting duties as well as working closely with families and mortuaries. Originally from Nebraska, Ms. Mahoney has lived in Colorado since 2014 and has an Associate’s Degree in Human Services from Southeast Community College in Lincoln.

**Historical Committee Volunteer:** Kathleen Cassaday. Ms. Cassaday has a bachelor’s degree in Anthropology and Psychology from the University of Colorado, Boulder. In 1984 she began a career with the City of Boulder. In 1987 Ms. Cassaday accepted a position with the Boulder Public Library and worked in various positions until becoming a specialist in Interlibrary Loan and Reference Services. She retired in 2013. In 2014 Ms. Cassaday began volunteering in the Community Protection Division of the District Attorney’s office. Coroner Hall approached Ms. Cassaday in 2018 to help initiate the Coroner Historical Committee. The Committee’s mandate is organizing and digitizing archival records of past Coroner’s offices.

**Historical Committee Volunteer:** Chris Arnaud. Mrs. Arnaud retired from the Boulder County Coroner’s Office in 2012 but is now serving as a volunteer on the Historical Committee. For five years she was responsible for administrative and accounting duties at the Boulder County Coroner’s Office. Mrs. Arnaud also has over 20 years combined experience as a legal secretary and recruiter in a major San Francisco law firm and as an administrative assistant in the development department of the Catholic Youth Organization in San Rafael, CA.
FACILITIES

Groundbreaking for the Boulder County Coroner Facility located at 5610 Flatiron Parkway occurred in March of 2014. The facility was completed in the spring of 2015. The office is designed to welcome and assist those coming to the Boulder County Coroner’s Office. The staff is available to law enforcement personnel, community partners and family members, from 8:00 A.M. to 4:30 P.M. (Closed for lunch from 12 P.M. to 1 P.M.). After hours coroner’s office staff is available 24/7 through Boulder County Dispatch.

The building is a stand-alone facility which includes a 1060 square foot autopsy suite featuring state-of-the-art amenities to allow for the most safe work environment possible for the staff and for public health in general. The suite includes two full function stainless steel autopsy tables in addition to a 202 square foot isolation room with an independent reverse flow air system. The morgue features a remote controlled body lift system, surgical lamps, natural light for energy conservation, pan/tilt/zoom (PTZ) and fixed security cameras with medical detail zoom capabilities and remote communication with conference rooms, and a walk in freezer and refrigerator capable of storing up to 30 bodies each.
FUNDING

The funding for the coroner's office comes from the general fund. The general fund is the common use fund where the majority of the county's core services are funded. The coroner's office has an appropriation which is split between personnel and operating expenditures. The majority of the revenues that go into the general fund include property tax, motor vehicle fees, recording fees, other fees and charges for service, interest on investments, and intergovernmental revenues. Additional information is available through the Boulder County Budget Office.

EXPENDITURES

The 2018 expenditures for the Boulder County Coroner's Office was $1,245,716. This is 0.29% of the total adopted 2018 Boulder County budget of $426,900,000.

BCCO 2018 EXPENDITURES

- Personnel, 67%
- Autopsy & Associated Costs, 27%
- All Other Operating Costs, 6%
DESCRIPTION OF REPORTABLE CASES

In accordance with Colorado Revised Statute §30-10-606, the following deaths are reportable to the Boulder County Coroner’s Office:

- If the death is or may be unnatural as a result of external influences, violence or injury;
- Death due to the influence of or the result of intoxication by alcohol, drugs or poison;
- Death as a result of an accident, including at the workplace;
- Death of an infant or child is unexpected or unexplained;
- Death where no physician is in attendance or when, though in attendance, the physician is unable to certify the cause of death;
- Death that occurs within twenty-four hours of admission to a hospital;
- Death from a disease which may be hazardous or contagious or which may constitute a threat to the health of the general public;
- Death occurs from the action of a peace officer or while in custody of law enforcement officials or while incarcerated in a public institution;
- Death was sudden and happened to a person who was in apparent good health;
- When a body is unidentifiable, decomposed, charred or skeletonized;
- Circumstances that the coroner otherwise determines may warrant further inquiry to determine cause and manner of death or further law enforcement investigation.

It should be emphasized that, although a particular death may be “reportable” to the coroner’s office; an autopsy may not be necessary depending upon the circumstances.
YEARLY TRENDS

PERCENTAGES OF BOULDER COUNTY DEATHS REPORTED TO THE CORONER

Per the US Census, the 2018 estimated population of Boulder County was 326,078. A death certificate is filed with the Boulder County Public Health Department for each death that occurs in Boulder County. The Public Health Department keeps track of the total number of deaths that occur in Boulder County. A portion of the deaths that occur in Boulder County are reported to the Boulder County Coroner's Office. The chart below shows a yearly total of all deaths that occurred in Boulder County and a yearly total of all deaths reported to the Boulder County Coroner.
AUTOPSIES BY YEAR

In approximately thirteen percent of the deaths that were investigated by the Boulder County Coroner’s Office in 2018, an autopsy or skeletal examination was performed to aid in the determination of the cause and manner of death, to document disease, to identify injury patterns, or to recover evidence. Included in almost all autopsies are toxicology tests that may be helpful in determining the cause and manner of death. Toxicology testing and histology review is performed on various specimens collected at autopsy. Several laboratories are used for drug testing. Screening tests include alcohol, illicit drugs, commonly abused prescription and non-prescription drugs, and other substances as needed.

In 2011, House Bill 11-1258 was passed. The bill states that the coroner shall perform forensic autopsies with the most recent version of the “Forensic Autopsy Performance Standards” adopted by the National Association of Medical Examiners (NAME). And that all forensic autopsies must be performed by a board-certified forensic pathologist.

The “Forensic Autopsy Performance Standards” listed by NAME are as follows:

Medicolegal death investigation officers are appointed or elected to safeguard the public interest. Deaths by criminal violence, deaths of infants and children, and deaths in the custody of law enforcement agencies or governmental institutions can arouse public interest, raise questions, or engender mistrust of authority. Further, there are specific types of circumstances in which a forensic autopsy provides the best opportunity for competent investigation, including those needing identification of the deceased and cases involving bodies of water, charred or skeletonized bodies, intoxicants or poisonings, electrocutions, and fatal workplace injuries. Performing autopsies protects the public interest and provides the information necessary to address legal, public health, and public safety issues in each case. For categories other than those listed below, the decision to perform an autopsy involves professional discretion or is dictated by local guidelines. For the categories listed below, the public interest is so compelling that one must always assume that questions will arise that require information obtainable only by forensic autopsy.

A forensic pathologist shall perform a forensic autopsy when:

- The death is known or suspected to have been caused by apparent criminal violence.
- The death is unexpected and unexplained in an infant or child.
- The death is associated with police action.
- The death is apparently non-natural and in custody of a local, state, or federal institution.
- The death is due to acute workplace injury.
- The death is caused by apparent electrocution.
- The death is by apparent intoxication by alcohol, drugs, or poison, unless a significant interval has passed, and the medical findings and absence of trauma are well documented.
- The death is caused by unwitnessed or suspected drowning.
- The body is unidentified, and the autopsy may aid in identification.
- The body is skeletonized.
- The forensic pathologist deems a forensic autopsy is necessary to determine cause or manner of death, or document injuries/disease, or collect evidence.
- The deceased is involved in a motor vehicle incident and an autopsy is necessary to document injuries and/or determine the cause of death.
Note: *The Boulder County Coroner's Office performed 250 autopsies (including one skeletal examination) in 2018, additionally there was one 2018 case in which the autopsy was performed in 2019.

**CORONER RESPONSE AND AUTOPSY TOTALS**

The Boulder County Coroner's Office makes a physical response to a low percentage of its total case load and performs an autopsy on an even lower percentage of its total case load. The chart below shows the annual trend lines for both the responses and the autopsies.

**Note:** *There were 251 cases in 2018 that required autopsies; one of the autopsies was performed in 2019.*
2018 TRENDS

CASES BY MONTH

CASES REPORTED TO BCCO BY MONTH - 2018
TOTAL CASES REPORTED IN 2018: 1974*

Note: *The total number of cases reported includes 121 cases that were transferred to other coroners. See Transfer of Jurisdiction section of this report for further explanation.

DISPOSITION OF CASES

Deaths that fall under the jurisdiction of the coroner are handled in one of four ways. Most commonly, if the death is due to natural disease and if a private physician who has treated the decedent is able to certify the cause of death, the coroner may allow the private physician to sign the death certificate. Or the coroner may assume jurisdiction over the death and conduct an investigation and an autopsy to determine cause and manner of death and then issue a death certificate. Or the coroner may assume jurisdiction of a death and conduct an investigation, but not perform an autopsy. Or, even though a death may have occurred in the county, a “transfer of jurisdiction” may occur to the coroner of the county where the initiating event causing death occurred or where the decedent was transported from (i.e. by ambulance) prior to death. The transfer of jurisdiction is allowed according to Colorado Revised Statute §30.10.606.

DISPOSITION OF CASES
TOTAL BCCO DEATHS REPORTED IN 2018: 1974
TRANSFER OF JURISDICTION

Occasionally, deaths that occur in Boulder County are due to an “initiating event” that occurred in another county. For example, an individual may die in a hospital from injuries that they sustained in an incident that occurred in another county, or an individual may collapse at their residence (in another county), be transported to a hospital in Boulder County, and subsequently die in that hospital. In these cases, the Boulder County Coroner will transfer jurisdiction (subsequent investigation and certification) to the coroner of the county in which the “initiating event” occurred.

In 2018, the jurisdictions of 121 cases were transferred to other coroners in surrounding counties. Sixty-nine cases were natural deaths, seven were traffic incidents, twenty-six were non-traffic accidents, nine were suicides, two were undetermined, seven were homicide and one was a fetal demise. Sixty-three of the cases were transferred to Adams/Broomfield County, twenty-six were transferred to Weld County, thirty were transferred to Jefferson County, and two were transferred to Larimer County.

Forty-seven of the transferred cases were deaths that occurred in an emergency department. Thirty-nine of them occurred at Good Samaritan Medical Center (GSMC), one occurred at Longmont United Hospital, and seven occurred at Longs Peak Hospital in Longmont.

In 65% of the cases (79 total) that were transferred to other coroners, the decedents were transported to Exempla Good Samaritan Medical Center from areas outside of Boulder County (this includes the 39 GSMC ED deaths).

For statistical purposes, in the sections to follow, transferred cases will not be counted among the deaths investigated by Boulder County, unless otherwise noted.
The Boulder County Coroner’s Office is called to action by either receiving a phone report of a death or by receiving a notification and response request from law enforcement. When a death is reported to the office by phone it is typically being reported by a hospice agency, a care center or a hospital. The coroner’s office will make a determination if a response is necessary; if not, a phone report is taken and the office may follow up with attaining additional medical records and conducting further interviews as needed. A response is made by the coroner’s office to the care center or hospital if further information is needed at the time of death.

Most responses made by the coroner's office are to death scenes where law enforcement was notified and requested the coroner’s office. Law enforcement has jurisdiction over the scene, while the coroner’s office has jurisdiction over the body, therefore, both agencies work together to accomplish their individual responsibilities. The coroner’s office is responsible for determining manner and cause of death, identifying the decedent and notifying the next of kin. Law enforcement’s responsibility is to determine and document any crime that may have occurred or the lack thereof.

In 2018, 365 scene responses were made which was 19% of all the deaths reported to the Boulder County Coroner’s Office.
BCCO all-terrain response vehicle, equipped for mountain responses.
EMERGENCY DEPARTMENT CALLS BY MONTH

Deaths that occur in an emergency department are required to be reported to the coroner’s office. Hospitals in Boulder County include Boulder Community Hospital Foothills, Longmont United Hospital, Good Samaritan Medical Center, Avista Adventist Hospital, and Longs Peak Hospital.

Note: *The total number of cases reported include 47 cases that were transferred to other coroners. See Transfer of Jurisdiction of this report for further explanation.

HOSPICE CASES BY MONTH

Deaths occurring under hospice care in Boulder County are reported to the Boulder County Coroner’s Office. There are several hospice organizations operating throughout Boulder County. Of the 1151 hospice cases, reported to the Boulder County Coroner’s Office, 1111 (97%) were natural deaths, 37 (3%) were accidental deaths, and 3 were suicides (<1%). Of the 1151 hospice cases, 7 of them included an autopsy.

Note: *This total excludes the 8 hospice cases that were transferred to other coroners.
One of the main responsibilities of the coroner’s office is to determine the manner of death. The manner of death is a classification of death based on the circumstances surrounding the cause of death and how that cause came to be. There are five manners of death: Natural, Suicide, Accident, Homicide and Undetermined. The manner of death is one of the items that must be reported on the death certificate. The manner of death was added to the US Standard Certificate of Death in 1910; it was added by public health officials as a way to code and classify cause of death information for statistical purposes. It should be noted that the medicolegal definition of Homicide means death caused by another, and is not based on intent. A ruling of Homicide does not indicate or imply criminal intent.¹

### MANNER OF DEATH BY NUMBER AND PERCENTAGE

A large majority of the cases investigated by any medical examiner or coroner’s office are natural deaths. In Boulder County that figure was 1601 cases, or 86.4% in 2018. Included within these natural deaths were 1111 hospice cases.

**Note:** *The 121 cases transferred to other coroners are not included in this total.

**Note:** Statistical information may not coincide with information available from the Colorado Health Department. The State Health Department tracks death statistics by the county of residence, not by the county where the injury or death occurred.
**Note:** The apparent absence of a scene investigation in some suicides, motor vehicle, and other accident cases may be due to the extended survival of the victim in a hospital, or because the victim was transported by emergency personnel to a hospital outside the county and subsequently died away from the scene.

**Autopsies by Manner of Death**

In addition to following the “Forensic Autopsy Performance Standards” adopted by the National Association of Medical Examiners (NAME), the Coroner weighs many factors in order to determine whether an autopsy should be performed. Autopsies are performed in all homicides, most infant deaths, most deaths of individuals without an established medical history, deaths involving possible criminal action, most motor vehicle accident deaths, and most suicides.
NATURAL DEATHS

NATURAL DEATHS BY MONTH

Natural deaths comprise the majority of all deaths nationwide and holds true for the cases handled by the Boulder County Coroner’s Office.

Note: *This total does not include the 69 natural deaths transferred to other coroners.

NATURAL DEATHS BY AGE AND GENDER

BCCO NATURAL DEATHS -2018
BY AGE AND GENDER
SUICIDES

Suicide is defined as the intentional act of killing oneself. Nationally, men are three to five times more likely to commit suicide than women, but women attempt suicide more frequently than men. The most common method of committing suicide is with firearms, followed by hanging, suffocation, and ingestion of poisons. In 2018 in Boulder County, the most common method used was a firearm, followed by hanging and then by prescription medication.

SUICIDES BY YEAR

![BCCO Suicides by Year 2009-2018](image)

**Note:** There were a total of 73 suicides reported to the Boulder County Coroner’s Office in 2018. The Boulder County Coroner’s Office investigated 64 of those cases and transferred jurisdiction of nine cases to other coroners.

SUICIDES BY MONTH

![BCCO Suicides by Month 2018: 64](image)

**Note:** Eleven of the suicides were non-Boulder County residents.
SUICIDES BY MARITAL STATUS AND GENDER

BCCO SUICIDES BY MARITAL STATUS AND GENDER
TOTAL 2018 SUICIDES: 64

SUICIDES BY AGE AND GENDER

BCCO SUICIDES BY AGE AND GENDER
TOTAL 2018 SUICIDES: 64
**SUICIDES BY METHOD**

**SUICIDES BY GENDER AND METHOD**

**BCCO SUICIDES BY METHOD - 2018: 64**

**BCCO SUICIDES BY GENDER AND METHOD - 2018: 64**

Male (51)  Female (13)
Note: In 2018, a total of 200 accidental deaths were reported to the Boulder County Coroner, thirty-three of those cases were transferred to other coroners.
For the purpose of this report, deaths of occupants of a motor vehicle, motorcycle, bicycle-vehicle incidents, or all-terrain vehicle, and vehicle-pedestrian incidents, are considered to be traffic incident deaths.

The Boulder County Coroner’s Office investigated twenty-seven deaths resulting from traffic incidents in 2018, all of which occurred in Boulder County. Of the twenty-seven cases, eighteen of the victims were male and nine were female. Their ages ranged from eighteen to eighty-three years of age. Seventeen people died due to injuries or complications from injuries sustained in motor vehicle incidents (including automobiles, pickup trucks, SUVs and vans), three people died in motorcycle incidents, four people died as a pedestrian struck by a motor vehicle, two people that died were bicyclists involved in a collision. Among the seventeen vehicle fatalities, sixteen were drivers and one was a passenger. Nine of the drivers were wearing seatbelts. Of the motorcycle deaths, all three were drivers, two of which were wearing a helmet.

Note: There were a total of thirty-three traffic incident deaths reported to the Boulder County Coroner’s Office in 2018. The Boulder County Coroner’s Office investigated 26 of these cases; the other seven cases were transferred to another coroner’s jurisdiction.
Note: The graph displays the information based on the time of incident, not the death.
In Colorado in 2018, a driver is presumed to be Driving While Ability Impaired (DWAI) when a blood alcohol or breath concentration (BAC) is between .050% and .079%. Prior to July 1, 2004, the blood alcohol concentration threshold was .10% to be considered Driving Under the Influence (DUI). As of July 1, 2004, a driver is presumed to be Driving Under the Influence when the BAC is 0.080% or higher. The legal drinking age is 21.
Note: There were a total of 167 non-traffic accidents reported to the Boulder County Coroner’s Office in 2018. The Boulder County Coroner’s Office investigated 141 of those cases and transferred jurisdiction of 26 cases to other coroners.
NON-TRAFFIC ACCIDENTAL DEATHS BY TYPE OF EVENT

BCCO ACCIDENTS (NON-TRAFFIC) BY TYPE OF EVENT
2018 - TOTAL: 141

LEGEND:

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<td>B</td>
<td>Fall/Recreational</td>
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<tr>
<td>C</td>
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Note:  In 2018, six of the victims of homicide were male, and one was female. Two of the victims died of firearm wounds (2 were officer involved shootings), two victims died of sharp force/stabbing injuries and two died from asphyxia and one died from complications of quadriplegia following a physical event. There were a total of fourteen homicides reported to the Boulder County Coroner’s Office in 2018. The Boulder County Coroner's Office investigated seven of these cases; there were seven cases that were transferred to another coroner’s jurisdiction.
DEATHS OF UNDETERMINED MANNER

Occasionally, medical examiners and coroners encounter cases that, despite a complete autopsy, comprehensive toxicology tests, and a thorough scene investigation, no cause of death can be determined. Medical examiners and coroners also encounter cases where the cause of death is quite apparent; but the evidence supporting the manner of death is equivocal or insufficient to make a determination. The determination of manner of death is an opinion based on the “preponderance of evidence”. An example might be a case in which the cause of death is a drug overdose, but, from the information available, it is not certain whether the manner of death is accident or suicide. Therefore, the manner of death may be certified as undetermined.

UNDETERMINED MANNER BY YEAR

![Graph showing undetermined manner of death by year: 2009-2018](image)

Note: There were a total of 9 cases reported to the Boulder County Coroner’s Office in 2018 that were ruled with an undetermined manner of death; two of the cases transferred to another coroner’s office were ruled undetermined in 2018.

While the office ruled undetermined for the manner of death in these 7 cases in 2018, 1 of the cases listed an undetermined cause of death as well because a specific cause of death could not be interpreted.
DRUG DEATHS

DRUG DEATHS BY YEAR 2011-2018

BCCO DRUG DEATHS PER YEAR 2011-2018

DRUG DEATHS BY MANNER 2011-2018

BCCO DRUG DEATHS PER YEAR BY MANNER 2011-2018
DRUGS OF ABUSE: MULTI DRUG DEATHS

Many drug abuse deaths are listed with multi drug intoxication for the cause of death; this is due to the complications that come from interpreting the use of more than one drug at a time, their individual levels and the combined effects of the varying levels. The chart below indicates the drugs that were found in the 21 multi drug deaths the county had in 2018.
DRUGS OF ABUSE BY OPIATES

Opioid is used to designate all substances, both natural and synthetic, that bind to opioid receptors in the brain. The psychoactive compounds found in the opium plant include morphine and codeine. Heroin is one of several semi-synthetic opioids derived from the morphine. Examples of opioids include Heroin, Morphine, Merpidine, Codeine, Tramadol, Oxycodone, Hydrocodone, Hydromorphone, and Fentanyl.

Note: * Mitragynine is an alkaloid found in the plant Kratom which originates from Asia. The leaves of the plant are consumed for their stimulant and analgesic effects and these effects are attributed to mitragynine. Mitragynine interacts with opioid receptors in the brain and can cause similar effects to those of more well-known pharmaceutical opioids. However, mitragynine has reportedly been known to act as a stimulant as well depending upon dosage. At this time the substance is being researched and investigated by the DEA along with the greater medical community to better understand its potential uses, classification, and any concerns it may pose to the general public.

In addition to the opiate only deaths there were an additional 14 cases where the death was a result of opiates mixed with additional substances. The chart below breaks these cases down between catagories of different types of substances and manners of death.

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<th>Undetermined</th>
<th>Suicide</th>
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</tr>
<tr>
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<tr>
<td>Opiates and 3 or more Substances</td>
<td>2</td>
<td></td>
<td>1</td>
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</table>
Stimulants (also known as psychostimulants) is a broad term that covers many drugs including those that increase activity of the body, drugs that are pleasurable and invigorating, and drugs that have sympathomimetic effects. Due to their characteristic "up" feeling, stimulants are also occasionally referred to as "uppers". Stimulants are widely used throughout the world as prescription medicines as well as without a prescription (either legally or illicitly) as performance-enhancing or recreational drugs. Examples of stimulants include Cocaine, Amphetamine, Methylene-3,4 dixooy-Methamphetamine (MDMA), Methamphetamine, ecstasy, bath salts, Focalin, Adderall and Ritalin.

Note: In addition to the 13 stimulant only deaths listed in the chart above, there were an additional 16 cases where stimulants resulted in multi drug deaths which are shown on the Multi Drugs Death chart.
DRUGS OF ABUSE: OTHER CATEGORIES

These drugs represent a wide variety of substances abused in Boulder County. Some can be purchased at liquor stores, some require prescriptions from a medical doctor and some are manufactured or purchased elsewhere.

1, 1-Difluoroethane (DFE) is a colorless and essentially odorless gas that is used as a non-ozone depleting propellant. It is most commonly found in dust-off cans and electronics cleaners. It may also be found as a refrigerant and chemical intermediate. Inhalation may result in a feeling of light-headedness and disorientation; however in higher concentrations, abuse may lead to cardiac dysrhythmias and sudden death. Two deaths were attributed to 1,1-DFE this year and were both ruled as accident.

Pentobarbital is a barbiturate that slows the activity of your brain and nervous system. The drug is primarily used as a sedative or hypnotic agent. Pentobarbital can be used as a short-term sedative to treat insomnia or put someone to sleep before surgery. One death was attributed to pentobarbital this year and it was ruled a suicide.

Pseudoephedrine is a decongestant commonly used to treat allergies and the common cold. It is often found in over-the-counter and prescription cold remedies. The drug can stand alone or be used in combination with antihistamines, antitussives, expectorants, and/or analgesics. One death was attributed to pseudoephedrine this year and it was ruled an accident.

Phenobarbital is a barbiturate that is most commonly used to control seizures. It has a long-term effect and can be used to induce coma. At high levels, drowsiness, slurring of speech, respiratory depression, and death may occur. One death was attributed to phenobarbital this year and it was ruled a suicide.
DROWNINGS

Drowning as a cause of death is a diagnosis of exclusion, diagnosis of exclusion is described as a diagnosis of a medical condition that is reached by eliminating all other possible diagnoses. If an individual is found in water and all other possible causes of death have been excluded, one may be able to conclude the cause of death is drowning. Presumed drowning cases require complete autopsies, in order to exclude all other causes of death.

In 2018, there were four total drowning cases. All four cases were ruled as accidents for the manner of death. Two of the drownings occurred in residential bathtubs, one of which was in combination with cocaine and over-the-counter medications, the other of which was in combination with cardiomegaly. The other two drownings occurred outdoors in various places (pond, creek), one of which occurred during fishing activity with a history of seizure disorder.

Note: Four of the drowning deaths from 2013 were from the September flood.
CHILD DEATHS

In 2013 Senate Bill 13-255 passed mandating that starting January 1st, 2015 each county form a local Child Fatality Review and Prevention Team (CFRPT). Moving the reviews to local teams from the state team would create a broader scope, with the state mandating which cases would be reviewed (birth – 17) that involve unintentional injury, violence, motor vehicle incident, child abuse/neglect, sudden unexpected infant death, suicide or undetermined cases. The teams provide the state with individual case findings to develop a community approach to issues surrounding child deaths. They review manner and cause of death and evaluate the means by which the fatality might have been prevented. The teams report case findings to public/private agencies that have responsibilities for children and make prevention recommendations to reduce the number of child fatalities.

Each team must consist of the following:

- County department(s) of public health
- Local law enforcement agencies
- District attorney's office
- School districts
- County department(s) of human services
- Coroner’s office
- County attorney’s office

Additional agencies that may be included are: hospitals or other emergency medical services, social services, mental health professionals, pediatricians, child advocacy centers, and victim advocates.

In 2014, the office worked closely with the Public Health Department to bring the agencies together so that the team could start reviewing the 2014 child deaths starting in January of 2015. Public Health asked the Coroner’s Office to become the coordinator for the team; currently Boulder County is the only county in Colorado to participate in this way as the coordinator. In 2018, the team reviewed five 2017 child death cases.

In Boulder County, a total of nineteen child deaths (<18 years of age) were investigated by the Coroner’s Office in 2018. Three additional child death cases were transferred to other coroners. Any of the nineteen 2018 child death cases selected for review by the state will be reviewed in 2019 by the Boulder County Child Fatality Review and Prevention Team.

**Note:** Statistical information may not coincide with information available from the Colorado Health Department. The State Health Department tracks death statistics by the county of residence, not by the county in which the injury or death occurred.

BCCO Conference room where CFRPT meetings are held.
**CHILD DEATHS BY MANNER OF DEATH**

- **Accident:** The accidental death was due to complications from asphyxia by suspension (age 12).
- **Suicide:** The suicide deaths were a result of: shotgun wound of the trunk (age 17) and hanging (age 17).
- **Undetermined:** One undetermined case was ruled a Sudden Unexplained Infant Death while in the setting of a hospital (age 11 months), and the second one was delivery of a newborn which was ruled undetermined for the cause of death.

**CHILD DEATHS BY CAUSE OF NATURAL DEATHS**

- **BCCO NATURAL CHILD DEATHS BY CAUSE - 2018**
- **TOTAL NATURAL CHILD DEATHS: 14**
SUDDEN UNEXPLAINED INFANT DEATH (SUID) AND SUDDEN INFANT DEATH SYNDROME (SIDS)

The Center for Disease Control and Prevention (CDC) defines sudden unexplained infant death (SUID) as deaths in infants less than 1 year of age that occur suddenly and unexpectedly, and whose cause of death are not immediately obvious prior to investigation. The CDC defines sudden infant death syndrome (SIDS) as the sudden death of an infant less than 1 year of age whose cause of death cannot be explained after a thorough investigation is conducted, including a complete autopsy, examination of the death scene, and review of the clinical history. While the CDC has separate definitions for these two terms, the classification of the manner of death and written description of the cause of death in these types of cases do vary throughout the nation.

SIDS is a diagnosis of exclusion, diagnosis of exclusion is described as a diagnosis of a medical condition that is reached by eliminating all other diagnoses. Therefore, to determine the cause of death is SIDS, a coroner or medical examiner must conduct a thorough case investigation which includes examination of the death scene, including the sleeping environment and bedding, a review of the medical history, perform a complete autopsy and further testing. These cases are a collaborative effort with law enforcement and at times the District Attorney’s Office. Once a thorough investigation is conducted and no other possible cause of death is determined only then may a determination of SIDS be made. Many times, when a thorough case investigation is conducted, an explanation is found such as natural disease or disorder, positional asphyxia, suffocation, hyper or hypothermia, neglect, homicide, etc. Other times, there may be signs of potential issues but no clear and obvious reason for death, most often the finding of an unsafe sleep environment is found. At times, there may be no indication of potential issues and the cause of death is truly unknown.

The American Academy of Pediatrics (AAP) started its “Back to Sleep” campaign in 1992 informing the public of its recommendation that infants be placed for sleep in a non-prone position on their back, in an effort to prevent SIDS deaths. The CDC makes ongoing efforts to prevent SUID and SIDS deaths and on October 17, 2011 they published a new statement on SIDS, which stated that there has been a major decrease in the incidence of SIDS since 1992, however, the decline has plateaued in recent years. In the 2011 statement, AAP reported that since their previous statement on SIDS in 2005 they have seen an increase in SUID deaths occurring during sleep. Therefore, the AAP expanded its recommendations to focus on safe sleep environments that can reduce the risk of all sleep-related infant deaths including SIDS. Their recommendations include: supine positioning, use of a firm sleep surface, breastfeeding, room-sharing without bed-sharing, routine immunization, consideration of a pacifier, and avoidance of soft bedding, overheating, and exposure to tobacco smoke, alcohol, and illicit drugs.
Ongoing efforts to encourage safe sleep environments are also being made by the CDC and the National Institute of Child Health and Human Development (NICHD). The NICHD among other literature has published brochures advertising safe sleep. Many of these resources can be found on the CDC’s website [www.cdc.gov](http://www.cdc.gov). An example is provided below.

### 10 YEAR CHILD DEATH STUDY

The cases that were included in this study were children under the age of 1 year that died in their sleep. There were a total of 19 cases included in this study.
UNSAFE SLEEP FINDINGS IN 10 YEAR CHILD DEATH STUDY

The graph below shows the findings, by occurrence, in three types of unsafe sleep categories: position, bedding, and co-sleeping. Of the nineteen cases included in this 10 year child death study, there were 16 cases that had at least one finding of an unsafe sleep environment, many of them had more than one finding. The non-recommended position the infant was placed in most often was on the stomach.

Of the 19 cases, the investigating law enforcement jurisdictions were as follows: Boulder County Sheriff’s Office – 1, Boulder PD – 2, Lafayette PD – 2, Longmont – 10, and Louisville – 4. There were 8 females and 11 males. The ages were as follows: the youngest case was less than 1 month at 13 days, there were 7 cases from 1-3 months, 7 cases from 3-6 months and 4 cases from 6-9 months (the oldest was 9 months). The ethnicities of the children were as follows: Caucasian – 15, African American – 2, Hispanic – 1 and Indian – 1.

Based on the cases included in this 10 year child death study, Boulder County is a prime location for additional support and promotion of safe sleep environments for infants. As these cases continue to be reviewed by the local Boulder County Child Fatality and Prevention Team, more recommendations will be made to the state on preventing these types of child fatalities.

In the 8 cases where co-sleeping was a finding, the toxicology levels are unknown of the individual whom the infant was co-sleeping with; however, in 4 of the 8 cases there was suspicion or self-reporting of use of alcohol, drugs, prescription drugs or a combination thereof.
TRANSIENT/HOMELESS DEATHS

The Boulder County Coroner’s Office started to notice an increase in the amount of transient/homeless deaths in the city of Boulder mid-year 2014. Due to the increase, a mid-year detailed report was created to offer information to city and county leaders as well as the public on these types of deaths. While the office did its’ best to track these kinds of deaths to ensure the best possible information, it should be noted that not all deaths that occur in Boulder County are reported to the Coroner’s Office. An example of this would be if a person dies at a nursing home or a person who dies more than 24 hours after being admitted to a hospital, the death may not be reported if the person dies of natural causes. Also, not all transients that die are reported as having lived on the streets at the time of their death. For example, a nurse reporting the death of a person who dies under hospice care or in a care facility may not necessarily know that the person was homeless at a point prior to their admission. Therefore, the total number of transient deaths on file at the coroner’s office may vary from numbers on file with other organizations. That being said, the following covers a few statistics on what information is available.

TRANSIENT DEATHS BY YEAR

![Graph showing transient deaths 2011-2018]

TRANSIENT DEATHS PER MUNICIPALITY

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<td>20</td>
<td>17</td>
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Note: Of the transient/homeless deaths tracked from 2011 to 2018, 101 were male and 20 were female, one case was a fetal demise of a transient female. Ages of the decedents over the years ranged from 22 to 86.

*One case from 2014 was a fetal demise; therefore, no manner of death was assigned.

Note: Of the transient/homeless deaths tracked in 2018, 10 were male and 4 were female. Ages of the decedents in 2018 ranged from 30-75.
TYPE OF ACCIDENTAL/UNDETERMINED TRANSIENT DEATHS 2011-2018

- Alcohol and Hypothermia (4)
- Blunt Trauma (10)
- Drowning (3)
- Drugs and/or Alcohol (27)
- Hypothermia (4)
- Hypothermia, Drowning, Alcohol and Blunt Trauma (1)
- Undetermined (1)

TYPE OF ACCIDENTAL/UNDETERMINED TRANSIENT DEATHS 2018

- Alcohol and Hypothermia (0)
- Blunt Trauma (1)
- Drowning (0)
- Drugs and/or Alcohol (4)
- Hypothermia (1)
- Hypothermia, Drowning, Alcohol and Blunt Trauma (0)
- Undetermined (0)
The Boulder County Coroner’s Office works with the law enforcement agencies that cover jurisdiction in Boulder County. The charts in this section show the number of cases investigated with these agencies. Please note that the number of investigations listed may differ from those in the “Coroner Response” section of this report because the coroner’s office also works with law enforcement on cases in which people die in the hospital as a delayed result of non-natural circumstances (i.e. auto incidents).

**INVESTIGATIONS WITH LAW ENFORCEMENT AGENCIES**

![BCCO Investigations with Law Enforcement Agencies - 2018 Total: 376](image)

**Note:** The jurisdiction of the Boulder County Sheriff’s Department includes unincorporated areas of Boulder County and the towns of Superior and Lyons.
BCCO INVESTIGATIONS WITH BOULDER PD- 2018
TOTAL INVESTIGATIONS: 102

BCCO INVESTIGATIONS WITH BCSO- 2018
TOTAL INVESTIGATIONS: 89
BOULDER COUNTY SHOOT TEAM

BCCO INVESTIGATIONS WITH
BC SHOOT TEAM - 2018
TOTAL INVESTIGATIONS: 3

COLORADO STATE PATROL

BCCO INVESTIGATIONS WITH CSP - 2018
TOTAL INVESTIGATIONS: 13
BCCO INVESTIGATIONS WITH NEDERLAND PD - 2018
TOTAL INVESTIGATIONS: 2

BCCO INVESTIGATIONS WITH RMNP - 2018
TOTAL INVESTIGATIONS: 2
UNIDENTIFIED REMAINS

Boulder County Coroner’s Office has investigated the deaths of the following individuals whose identities remain unknown.

UNIDENTIFIED BLACK MALE

**Discovered**: October 10, 1993

**NamUs Case Number**: UP516

**Ancestry**: African Descent

**Approximate Age**: 25-35

**Height**: 5'7"

**Weight**: 165-175 lbs.

**Eye Color**: Brown

**Hair**: short curly black hair with bi-frontal balding.

**Scars/Tattoos**: On left eyebrow, obliquely oriented, well healed 17mm scar.

**Clothing**: Black socks; Short black sweat pants, brand name “Pro Spirit,” overlaying a pair of long white sweat pants, brand name “Jerzees”; a white windbreaker-type shell with a hood and blue trimmed with zippers half way up front, brand name “Windcrest”; ankle length black hiking-type boots; and a blue mesh baseball cap with a New York Mets logo. Napkin with the logo “Dujour’s Casual Café” was also found in his pocket.

**Dental**: Teeth in excellent repair with no dental work.

A well-nourished male of African descent was found near the base of the second Flatiron in Boulder, CO. Forensic Anthropology and Dentistry suggest he might have been a recent immigrant to America from North Africa. No obvious injury was found. An autopsy did not reveal cause of death. Some clothing and personal effects were found near him, but no camping gear or identification was present. He had a pair of thick rimmed red prescription glasses.
**UNIDENTIFIED CAUCASIAN MALE**

**Discovered:** November 21, 1993

**NamUs Case Number:** UP517  
**Ancestry:** Caucasian  
**Approximate Age:** 25-32  
**Height:** 5'3" – 5'6"  
**Weight:** 150-165 lbs.  
**Eye Color:** Unknown  
**Hair:** Shoulder-length coarse straight dark blond to light brown hair  
**Scars/Tattoos:** None  
**Clothing:** T-shirt, blue denim jeans, white socks and white athletic-type shoes.  
**Dental:** Teeth in extremely poor repair with dental work.

The remains of a mostly skeletonized Caucasian male were found on the North Slope of Gregory Canyon in Boulder County, CO. An autopsy did not reveal a cause of death, but the man may have been suffering from Chronic Iron Deficiency Anemia.
UNIDENTIFIED CAUCASIAN FEMALE INFANT

**Discovered:** October 12, 2001

**NamUs Case Number:** Not applicable  
**Approximate Age:** 30-34 weeks gestation  
**Height/Measurements:** Crown-rump length: 27 cm; Heel-toe length: 6.3 cm  
**Weight:** 1670 gm  
**Eye Color:** Blue  
**Hair:** Fine blond hair

A Caucasian female infant was found wrapped and placed in a box behind a grocery store in Louisville. Manner and cause of death are undetermined pending additional information, the investigation is ongoing. On November 15, 2001, the decedent was buried at the Sacred Heart of Mary Catholic Cemetery and is sometimes referred to as “Baby Mary Louise” or “Baby M” by the local community.

UNIDENTIFIED MALE SKELETAL REMAINS

**Reported:** November 8, 2013

**NamUs Case Number:** UP12154  
**Ancestry:** European descent and/or African ancestry  
**Approximate Age:** 32.59 +/- 5 years  
**Height:** 5’ 7.2” +/- 3.3 inches  
**Weight:** N/A  
**Eye Color:** Unknown  
**Hair:** Unknown  
**Scars/Tattoos:** Unknown  
**Clothing:** Unknown  
**Dental:** Maxillary left second premolar and mandibular left second premolar missing post mortem. The right mandibular third molar and both maxillary third molars appear to have never formed. Linear striations indicating possible biological stress during childhood when the adult teeth were forming.

These are skeletal human remains that were turned over to the Boulder County Coroner’s Office from the Longmont VFW. The remains were reported to be that of a Native American Female, however an osteological analysis completed by Metropolitan State University of Denver-Human Identification Laboratory has concluded that the remains are that of an adult male approximately 32.59 +/- 5 years at the time of death and that the ancestry analysis indicates that the individual is not of Native American descent, although analysis is not able to definitively identify the ancestry. Analysis suggests that the remains are likely archaeological, although there is no definitive answer as to how long ago the individual died.

The interpretation from the Osteological Report states the following:

“The skeletal remains are consistent with a young adult male with antemortem trauma indicating interpersonal violence at some time in the life of the individual. The discoloration of the skeletal remains and root markings on the bones along with the lack of modern medical intervention for fracture repair and absence of evidence of modern dental work suggest the specimen is likely archaeological. The porotic hyperostosis, which was active at death, and linear enamel hypoplasias indicate biological stress during childhood when the adult teeth were forming. The ancestry analysis indicates the individual is not of Native American descent, though an unambiguous ancestry cannot be identified. Additionally, the postmortem breakage of several teeth, postmortem damage to several bones, and the
missing elements (ribs and small bones) are consistent with the story told by the VFW “Last Man Standing Club” that the remains were dug up by one of their members many years ago.”

Given that the specimen is likely archeological, it is not probable the identity will be determined, however until such time that an identification or additional information on where the remains originated from, the remains will be kept by the coroner’s office.

UNIDENTIFIED CAUCASIAN OR MIXED RACE MALE REMAINS

**Discovered:** October 2, 2017

**NamUs Case Number:** UP17188

**Ancestry:** Indeterminate

**Approximate Age:** 30-60

**Height:** Unknown

**Weight:** Unknown

**Eye Color:** Unknown

**Hair:** Unknown

**Scars/Tattoos:** Unknown

**Clothing:** None found with remains

**Dental:** Teeth in fair repair with dental work and antemortem extractions.

The human skull of a male was found in the area of Mudd Lake in Boulder County, CO. An anthropological examination did not reveal a cause of death. The human mandible of a male was later found in the same general area. The mandible and skull were compared to each other and were found to be from the same decedent.

The interpretation from the Anthropological Report states the following:

“**Biological profile:** likely male, indeterminate ancestry, broadly estimated at 30-60 years, indeterminate stature. Healed antemortem fractures are noted (left nasal bone, left maxillary frontal process).”
REFERENCES


3 Published online October 17, 2011 Pediatrics Vol. 128 No. 5 November 1, 2011 pp e1341-e1367 (doi: 10.1542/peds.2011-2285).