

Data Dictionary

The database is comprised of three types of data: Census, Health, and Circumstances of Death. Below you will find definitions for each field as well as the list of possible choices for each field (normative answer list) and applicable vocabulary/data standards.

CENSUS	HEALTH	CIRCUMSTANCES OF DEATH
Sex	Cancer	Primary cause of death
Birth year	Congenital and genetic disorders	Contributing cause of death
Death year	Chromosomal abnormalities	Manner of death
Zip code	Dental health as an adult	Identification method
Age in years	Dental health as a child	Death city
Age in months	Scoliosis	Death county/tribal land
Gender	History of broken bones	Cadaver condition
Number of pregnancies	Facial trauma	Cadaver length
Number of live births	Plastic surgery	Cadaver weight
Marital status	Surgery	CT scan settings
Living weight	Implants	Time delay after death
Living height	Radiation therapy	Name of person entering data
Investigator determined Race	Medical diagnoses	Next of Kin Participated in Survey
Next of Kin determined Race	Notes on medical diagnoses	Next of Kin consented to Data Use
Tribal affiliation	Medications	
Investigator determined Ethnicity	Diagnoses at Autopsy	
Next of Kin determined Ethnicity	Substance usage	
Hispanic identification	Quit date of substance	
Birth weight	Years of substance usage	
Birth weight category	Tobacco type	
Birthplace	Tobacco usage	
Birth country	Drinking status	
Birth city	Dietary pattern	
Birth state	Occupations	
Years in the US	Duration of occupations	
Ancestor birthplace	Activities	
Ancestor birth city	Strenuous lifting	
Ancestor birth state	Educational level	
Ancestor birth country	Socio-economic status as a child	
	Socio-economic status as an adult	
	Carcinogens	
	Body Mass Index	
	Bone density	
	Subcutaneous Adipose Area	
	Visceral Adipose Area	
	Total Adipose Area	
	Ratio of Visceral and Subcutaneous Fat Area	
	Abdominal Muscle Mass Area	
	Liver Volume	
	Spleen Volume	
	Kidney Volume	
	Aortic Calcification Score	

Standards used:

LOINC: International standard for identifying health measurements and observations.

<https://LOINC.org/>

SNOMED CT: International standard for health terms. <http://www.snomed.org/>

NCI: NCI Thesaurus (NCIt) provides reference terminology for many NCI and other systems. It covers vocabulary for clinical care, translational and basic research, and public information and administrative activities. <https://NCIt.NCI.nih.gov/NCItbrowser/>

AI software used for body composition values is described in:

Pickhardt PJ. Value-added Opportunistic CT Screening: State of the Art. Radiology. 2022 May;303(2):241-254. doi: 10.1148/radiol.211561. Epub 2022 Mar 15. Erratum in: Radiology. 2022 Jun;303(3):E41. doi: 10.1148/radiol.229010. PMID: 35289661; PMCID: PMC9083232.

Pickhardt PJ, Graffy PM, Zea R, Lee SJ, Liu J, Sandfort V, Summers RM. Automated CT biomarkers for opportunistic prediction of future cardiovascular events and mortality in an asymptomatic screening population: a retrospective cohort study. Lancet Digit Health. 2020 Apr;2(4):e192-e200. doi: 10.1016/S2589-7500(20)30025-X. Epub 2020 Mar 2. PMID: 32864598; PMCID: PMC7454161.

Values calculated that are outside the range of human variation are not included in NMDID.

Format of Data Dictionary

Variable Name

Cardinality between variable and de-identified decedent (options: one to one, one to many)

Definition

Data source

Answer List (if the answer is in a number format “X” is used as a placeholder, if free text then “ABC” is used as a placeholder)

CENSUS VARIABLES

Sex

Modified LOINC code 76689-9

One to one

Biological sex of the decedent. Sex assigned at birth.

Medical examiner database

Normative Answer List:

Male

Female

Intersex

Unknown

Birth Date- year only

LOINC code: 80904-6

One to one

The year that the decedent was born

Medical examiner database

XXXX

Death date- year only

Modified SNOMED CT code: 399753006

One to one

The year that the decedent died

Medical examiner database

XXXX

Current Zip Code

Modified LOINC 45401-7

One to one

First three digits of the zip code of decedent's address at the time of death

Medical examiner database

XXX

Age in years at death

LOINC 39016-1

One to one

The age of the decedent in years

Medical examiner database

XXX

Age in months at death

Modified LOINC 39016-1

One to one

The number of full months that a decedent was alive

Medical examiner database

XXXXX

Gender

Modified LOINC code 76691-5

One to one

Gender identity of decedent at the time of death

Next of kin interview

Normative Answer List:

Identifies as male

Identifies as female

Identifies as non-binary

Other

Unknown

Number of pregnancies

LOINC code: 11996-6

One to one

Number of pregnancies, women only

Next of kin interview

XX

Number of live births

LOINC code: 11636-8

One to one

Number of live births, women only

Next of kin interview

XX

Marital Status

LOINC code: 85431-5

One to one

The marital status of the decedent at the time of death

Medical examiner database and next of kin interview

Normative Answer List:

Married- spouse in household

Married- spouse not in household

Living as married

Widowed

Divorced

Separated

Never married

Don't know

Living height

LOINC Code: 3137-7

One to one

Height of the decedent in cm

Next of kin interview
XXXX

Living weight

LOINC code: 3141-9

One to one

Weight of the decedent in kg

Next of kin interview

XXXX

Investigator determined Race

Modified LOINC code 80977-2 to include Hispanic and Unknown

One to many

The race of the individual according to the medical examiner investigator

Medical examiner database

Normative Answer List:

Native American

Asian Indian

Black or African-American

Chinese

Filipino

Guamanian or Chamorro

Japanese

Korean

Native Hawaiian

Other

Other Asian

Other Pacific Islander

Samoan

Vietnamese

White

Hispanic

Unknown

Next of Kin determined Race

Modified LOINC code 80977-2 to include Hispanic and Unknown

One to many

The race of the individual according to the next of kin

Next of kin interviews

Normative Answer List:

Native American

Asian Indian

Black or African-American

Chinese

Filipino

Guamanian or Chamorro
Japanese
Korean
Native Hawaiian
Other
Other Asian
Other Pacific Islander
Samoan
Vietnamese
White
Hispanic
Unknown

Tribal affiliation

Federally recognized tribes in New Mexico- Bureau of Indian Affairs

One to many

The tribal affiliation of Native American decedents

Medical examiner database and next of kin interview

Normative Answer List:

Pueblo of Acoma
Pueblo of Cochiti
Pueblo of Isleta
Pueblo of Jemez
Pueblo of Laguna
Pueblo of Nambe
Pueblo of Ohkay Owingeh
Pueblo of Picuris
Pueblo of Pojoaque
Pueblo of Sandia
Pueblo of San Felipe
Pueblo of San Ildefonso
Pueblo of Santa Ana
Pueblo of Santa Clara
Pueblo of Santo Domingo
Pueblo of Taos
Pueblo of Tesuque
Pueblo of Zuni
Pueblo of Zia
Apache
Fort Still Apache Tribe
Jicarilla Apache Nation
Mescalero Apache Tribe
Navajo Nation

Investigator determined Ethnicity

Modified LOINC code 69490-1 modified to include Middle Eastern

One to many

The ethnicity of the decedent according to the medical examiner investigator

Medical examiner database

Normative Answer List:

Hispanic or Latino

Middle Eastern

Not Hispanic, Latino or Middle Eastern

Unknown

Next of Kin determined Ethnicity

Modified LOINC code 69490-1 modified to include Middle Eastern

One to many

The ethnicity of the decedent according to the next of kin

Next of kin interview

Normative Answer List:

Hispanic or Latino

Middle Eastern

Not Hispanic, Latino or Middle Eastern

Unknown

Subgroup of Hispanic

From Hunley KL, Edgar HJH, Healy M, Mosley C, Cabana G, West F. 2017. Social Identity in New Mexicans of Spanish-Speaking Descent Highlights Limitations of Using Standardized Ethnic Terminology in Research. Hum Biol 89(3):217-228.

One to many

The subgroup of "Hispanic" with which next of kin estimate decedents would have grouped themselves

Next of kin interview

Normative Answer List:

Hispanic

Latino

Spanish

Nuevomexicano/New Mexican

Chicano

Mexican American

Mexican

Birth weight

LOINC code: 56056-5

One to one

Weight of the decedent at birth in kg

Next of kin interview

XX

Birth weight categories

No defined standard

One to one

Category of birth weight for the decedent

Next of kin interview

SNOMED CT codes for Normative Answer List

Normative Answer List:

Small. 276610007

Average. 276613009

Large. 276613009

Birthplace of decedent

Modified LOINC Code: 63490-7 (temp code)

One to one

City, State and Country of the decedent's birthplace

Medical examiner database and next of kin interview

Normative Answer List:

In the United States, list City and State

In Mexico, List City and State

Outside of the United States and Mexico, List City and Country

Number of years in the US if born elsewhere

LOINC code: 63585-4

One to one

Number of years living in the United States if born outside of the US

Next of kin interview

XX

Mother's Birthplace

Modified LOINC Code: 63515-1 (temp code)

One to one

Place of birth of the decedent's mother

Next of kin interview

Normative Answer List:

In the United States, list City and State

In Mexico, List City and State

Outside of the United States and Mexico, List City and Country

Father's Birthplace

Modified LOINC Code: 63492-3 (temp code)

One to one

Place of birth of decedent's father

Next of kin interview

Normative Answer List:

In the United States, list City and State

In Mexico, List City and State

Outside of the United States and Mexico, List City and Country

Mother's Mother Birthplace

Modified LOINC Code: 63493-1 (temp code)

One to one

Place of birth of maternal grandmother

Next of kin interview

Normative Answer List:

In the United States, list City and State

In Mexico, List City and State

Outside of the United States and Mexico, List City and Country

Mother's Father Birthplace

Modified LOINC Code: 63494-9 (temp code)

One to one

Place of birth of maternal grandfather

Next of kin interview

Normative Answer List:

In the United States, list City and State

In Mexico, List City and State

Outside of the United States and Mexico, List City and Country

Father's Mother Birthplace

Modified LOINC Code: 63495-6 (temp code)

One to one

Place of birth of paternal grandmother

Next of kin interview

Normative Answer List:

In the United States, list City and State

In Mexico, List City and State

Outside of the United States and Mexico, List City and Country

Father's Father Birthplace

Modified LOINC Code: 63496-4 (temp code)

One to one

Place of birth of paternal grandfather

Next of kin interview

Normative Answer List:

In the United States, list City and State

In Mexico, List City and State

Outside of the United States and Mexico, List City and Country

HEALTH VARIABLES

For the health variables if the familial field is listed as "no," it was the decedent associated with the condition. If the familial field is listed as "yes," then there is a family history of the condition.

Cancer

SNOMED CT code: 363346000

One to many

Cancer diagnoses of the decedent or family

Medical examiner database and next of kin interview

SNOMED and NCI codes below for Normative Answer List (Modified list from Cancer.org)

Normative Answer List:

Acute Lymphoblastic Leukemia (ALL). 91857003

Acute Myeloid Leukemia (AML). 91861009

Adolescents, Cancer in

Adrenocortical Carcinoma. 2227007

AIDS-Related Cancers. NCI code: C4046

AIDS-Related Lymphoma (Lymphoma). NCI code: C3471

Anal Cancer. 363490009

Appendix Cancer. 363411007

Astrocytomas, Childhood (Brain Cancer). 38713004

Atypical Teratoid/Rhabdoid Tumor, Childhood (Brain Cancer). NCI code: C68634

Atypical Teratoid/Rhabdoid Tumor, Childhood, Central Nervous System (Brain Cancer). NCI code: C68634

Basal Cell Carcinoma of the Skin. 275265005

Bile Duct Cancer. 363416002

Bladder Cancer. 399326009

Blood cancer. 129154003

Bone Cancer (includes Ewing Sarcoma and Osteosarcoma and Malignant Fibrous Histiocytoma). 428281000

Brain Tumors. 126952004

Breast Cancer. 254837009

Bronchial Tumors, Childhood. 126705004

Burkitt Lymphoma. 118617000

Cancer, other type

Cancer, unknown type. CCPSS code: 0053761

Carcinoid Tumor (Gastrointestinal). 189607006

Carcinoma of Unknown Primary. 255052006

Cardiac (Heart) Tumors, Childhood

Central Nervous System cancers

Cervical Cancer. 363354003

Childhood Adrenocortical Carcinoma.

Childhood Bladder Cancer

Childhood Breast Cancer

Childhood Cancer of Unknown Primary

Childhood Carcinoid Tumors

Childhood Carcinoma of Unknown Primary

Childhood Central Nervous System Germ Cell Tumors (Brain Cancer)

Childhood Cervical Cancer

Childhood Colorectal Cancer

Childhood Esophageal Cancer. NCI code: C118812

Childhood Extracranial Germ Cell Tumors

Childhood Gastric (Stomach) Cancer

Childhood Gastrointestinal Stromal Tumors

Childhood Head and Neck Cancers
Childhood Intraocular Melanoma
Childhood Intraocular Melanoma
Childhood Intraocular Melanoma
Childhood Laryngeal Cancer and Papillomatosis
Childhood Lung Cancer
Childhood Melanoma
Childhood Mesothelioma
Childhood Nasopharyngeal Cancer
Childhood Oral Cavity Cancer
Childhood Ovarian Cancer
Childhood Pancreatic Cancer
Childhood Paraganglioma
Childhood Pheochromocytoma
Childhood Rhabdomyosarcoma (Soft Tissue Sarcoma). NCI code: C7705
Childhood Salivary Gland Tumors
Childhood Skin Cancer
Childhood Stomach (Gastric) Cancer
Childhood Testicular Cancer
Childhood Thyroid Tumors
Childhood Vaginal Cancer
Childhood Vascular Tumors (Soft Tissue Sarcoma).
Cholangiocarcinoma. 70179006
Chordoma, Childhood. 50007008
Chronic Lymphocytic Leukemia (CLL). 92814006
Chronic Myelogenous Leukemia (CML). 92818009
Chronic Myeloproliferative Neoplasms
Colorectal Cancer. 781382000
Craniopharyngioma, Childhood (Brain Cancer). NCI code: C7816
Cutaneous T-Cell Lymphoma. 400122007
Ductal Carcinoma In Situ (DCIS). 399935008
Embryonal Tumors, Central Nervous System, Childhood (Brain Cancer). NCI code: C3264
Embryonal Tumors, Childhood (Brain Cancer). NCI code: C3264
Endometrial Cancer (Uterine Cancer). 254878006
Ependymoma, Childhood (Brain Cancer). NCI code: C8578
Esophageal Cancer. 372138000
Esthesioneuroblastoma. 68614005
Ewing Sarcoma (Bone Cancer). 76909002
Ewing Sarcoma (Bone Cancer). 76909002
Extracranial Germ Cell Tumor, Childhood. NCI code: C68627
Extragonadal Germ Cell Tumor. NCI code: C3918
Extragonadal Germ Cell Tumors. NCI code: C3918
Eye cancers. 363461003

Fallopian Tube Cancer. 363444001
Fibrous Histiocytoma of Bone, Malignant, and Osteosarcoma. 307576001
Gallbladder Cancer. 363353009
Gastric (Stomach) Cancer. 363349007
Gastrointestinal Carcinoid Tumor. 428701004
Gastrointestinal Stromal Tumors (GIST) (Soft Tissue Sarcoma). 420120006
Germ Cell Tumor, Childhood (Brain Cancer)
Germ Cell Tumors. 402878003
Gestational Trophoblastic Disease. 609519004
Hairy Cell Leukemia. 118613001
Head and Neck Cancer. 255056009
Heart Tumors, Childhood
Hepatocellular (Liver) Cancer. 93870000
Histiocytosis, Langerhans Cell. 65399007
Hodgkin Lymphoma. 14537002
Hypopharyngeal Cancer (Head and Neck Cancer). 363399006
Hypopharyngeal Cancer. 363399006
Intraocular Melanoma. NCI code: C7712
Intraocular Melanoma. NCI code: C7712
Islet Cell Tumors, Pancreatic Neuroendocrine Tumors. 128878003
Kaposi Sarcoma (Soft Tissue Sarcoma). 109385007
Kaposi Sarcoma (Soft Tissue Sarcoma). 109385007
Kaposi Sarcoma (Soft Tissue Sarcoma). 49937004
Kidney (Renal Cell) Cancer. 363518003
Langerhans Cell Histiocytosis. 65399007
Laryngeal Cancer (Head and Neck Cancer). 363429002
Leukemia. 93143009
Lip and Oral Cavity Cancer (Head and Neck Cancer). NCI code: C9315
Liver Cancer. NCI code: C7711
Lung Cancer (Non-Small Cell and Small Cell). 363358000
Lymphoma. 118600007
Male Breast Cancer. 372096000
Malignant Fibrous Histiocytoma of Bone and Osteosarcoma
Melanoma, Intraocular (Eye). NCI code: C7712
Melanoma. 2092003
Merkel Cell Carcinoma (Skin Cancer). 253001006
Mesothelioma, Malignant. 62064005
Metastatic Cancer. NCI code: C19151
Metastatic Squamous Neck Cancer with Occult Primary (Head and Neck Cancer). NCI code: C7713
Midline Tract Carcinoma Involving NUT Gene
Mouth Cancer (Head and Neck Cancer). 363505006
Multiple Endocrine Neoplasia Syndromes. 46724008
Multiple Myeloma/Plasma Cell Neoplasms. 109989006

Mycosis Fungoides (Lymphoma). 118618005
Myelodysplastic Syndromes, Myelodysplastic/Myeloproliferative Neoplasms. 109995007
Myelogenous Leukemia, Chronic (CML). 92818009
Myeloid Leukemia, Acute (AML). 91861009
Myeloproliferative Neoplasms, Chronic. 115248004
Nasal Cavity and Paranasal Sinus Cancer (Head and Neck Cancer). NCI code: C54293
Nasopharyngeal Cancer (Head and Neck Cancer). 187692001
Nasopharyngeal Cancer. 187692001
Neuroblastoma. 432328008
No known cancers
Non-Hodgkin Lymphoma. 118601006
Non-Small Cell Lung Cancer. 254637007
Oral Cancer, Lip and Oral Cavity Cancer and Oropharyngeal Cancer (Head and Neck Cancer)
Oropharyngeal Cancer. 363392002
Osteosarcoma and Malignant Fibrous Histiocytoma of Bone
Osteosarcoma (Bone Cancer). 21708004
Ovarian Cancer. 123843001
Ovarian Germ Cell Tumors
Pancreatic Cancer. 372142002
Pancreatic Neuroendocrine Tumors (Islet Cell Tumors). 237596009
Papillomatosis. 82049002
Paraganglioma. 302833002
Paranasal Sinus and Nasal Cavity Cancer (Head and Neck Cancer). NCI code: C54293
Parathyroid Cancer. 363481002
Penile Cancer. 363516004
Pharyngeal Cancer (Head and Neck Cancer). NCI code: C9466
Pheochromocytoma. 399343007
Pituitary Tumor. 127024001
Plasma Cell Neoplasm/Multiple Myeloma. 55921005
Pleuropulmonary Blastoma. 707670009
Pregnancy and Breast Cancer: CHV code:0000027395
Primary Central Nervous System (CNS) Lymphoma. 307649006
Primary CNS Lymphoma (Lymphoma). 307649006
Primary CNS Lymphoma. 307649006
Primary Peritoneal Cancer. 363492001
Prostate Cancer. 399068003
Rectal Cancer. 363351006
Recurrent Cancer. 452241000124100
Renal Cell (Kidney) Cancer. 702391001
Retinoblastoma. 19906005
Retinoblastoma. 370967009
Rhabdomyosarcoma, Childhood (Soft Tissue Sarcoma). NCI code: C7705
Salivary Gland Cancer (Head and Neck Cancer). 255072001

Sarcoma. 424413001
Sézary Syndrome (Lymphoma). 118611004
Skin Cancer. 372130007
Small Cell Lung Cancer. 254632001
Small Intestine Cancer. 363509000
Soft Tissue Sarcoma.
Squamous Cell Carcinoma of the Skin. 254651007
Squamous Neck Cancer with Occult Primary, Metastatic (Head and Neck Cancer): NCI code: C7713
Stomach (Gastric) Cancer. 363349007
T-Cell Lymphoma, Cutaneous. 400122007
Testicular Cancer. 363449006
Testicular Cancer. 363449006
Throat Cancer (Head and Neck Cancer): NCI code: C35506
Thymoma and Thymic Carcinoma. 128717008
Thyroid Cancer. 363478007
Transitional Cell Cancer of the Renal Pelvis and Ureter (Kidney (Renal Cell) Cancer): NCI code: C7716
Unknown
Unknown Primary, Carcinoma of. 255052006
Ureter and Renal Pelvis, Transitional Cell Cancer (Kidney (Renal Cell) Cancer. NCI code: C8064
Urethral Cancer. 363459007
Uterine Cancer, Endometrial. 254878006
Uterine Sarcoma. 254877001
Uterine Sarcoma. 254877001
Vaginal Cancer. 363445000
Vascular Tumors (Soft Tissue Sarcoma). NCI code: C7388
Vulvar Cancer. 363367000
Wilms Tumor and Other Childhood Kidney Tumors. NCI code: C27730

Congenital and Genetic Disorders

ICD-10 Q00-Q89

One to many

Congenital and Genetic disorders of the decedent and family

Medical examiners database and next of kin interview

Normative Answer List:

Anencephaly and similar malformations (Q00)

Anophthalmos, microphthalmos and microphthalmos (Q11)

Cleft lip (Q36)

Cleft palate (Q35)

Cleft palate with cleft lip (Q37)

Congenital absence, atresia and stenosis of large intestine (Q42)

Congenital absence, atresia and stenosis of small intestine (Q41)

Congenital deformities of feet (Q66)

Congenital deformities of hip (Q65)

Congenital hydrocephalus (Q03)
Congenital ichthyosis (Q80)
Congenital lens malformations (Q12)
Congenital malformation syndromes due to known exogenous causes, not elsewhere classified (Q86)
Congenital malformations of anterior segment of eye (Q13)
Congenital malformations of aortic and mitral valves (Q23)
Congenital malformations of breast (Q83)
Congenital malformations of cardiac chambers and connections(Q20)
Congenital malformations of cardiac septa (Q21)
Congenital malformations of ear causing impairment of hearing (Q16)
Congenital malformations of esophagus (Q39)
Congenital malformations of eyelid, lacrimal apparatus and orbit (Q10)
Congenital malformations of gallbladder, bile ducts and liver (Q44)
Congenital malformations of great arteries (Q25)
Congenital malformations of great veins (Q26)
Congenital malformations of larynx (Q31)
Congenital malformations of lung (Q33)
Congenital malformations of musculoskeletal system, not elsewhere classified (Q79)
Congenital malformations of nose (Q30)
Congenital malformations of ovaries, fallopian tubes and broad ligaments (Q50)
Congenital malformations of posterior segment of eye (Q14)
Congenital malformations of pulmonary and tricuspid valves (Q22)
Congenital malformations of spine and bony thorax (Q76)
Congenital malformations of trachea and bronchus (Q32)
Congenital malformations of uterus and cervix (Q51)
Congenital musculoskeletal deformities of head, face, spine and chest (Q67)
Congenital obstructive defects of renal pelvis and congenital malformations of ureter (Q62)
Cystic kidney disease (Q61)
Encephalocele (Q01)
Epidermolysis bullosa (Q81)
Hypospadias (Q54)
Indeterminate sex and pseudohermaphroditism (Q56)
Microcephaly (Q02)
No known congenital abnormalities
Osteochondrodysplasia with defects of growth of tubular bones and spine (Q77)
Other congenital malformations of brain (Q04)
Other congenital malformations of circulatory system (Q28)
Other congenital malformations of digestive system (Q45)
Other congenital malformations of ear (Q17)
Other congenital malformations of eye (Q15)
Other congenital malformations of face and neck (Q18)
Other congenital malformations of female genitalia (Q52)
Other congenital malformations of heart (Q24)

Other congenital malformations of integument (Q84)
Other congenital malformations of intestine (Q43)
Other congenital malformations of kidney (Q63)
Other congenital malformations of limb(s) (Q74)
Other congenital malformations of male genital organs (Q55)
Other congenital malformations of nervous system (Q07)
Other congenital malformations of peripheral vascular system (Q27)
Other congenital malformations of respiratory system (Q34)
Other congenital malformations of skin (Q82)
Other congenital malformations of skull and face bones (Q75)
Other congenital malformations of spinal cord (Q06)
Other congenital malformations of tongue, mouth and pharynx (Q38)
Other congenital malformations of upper alimentary tract (Q40)
Other congenital malformations of urinary system (Q64)
Other congenital malformations, not elsewhere classified (Q89)
Other congenital musculoskeletal deformities (Q68)
Other osteochondrodysplasias (Q78)
Other specified congenital malformation syndromes affecting multiple systems (Q87)
Phakomatoses, not elsewhere classified (Q85)
Polydactyly (Q69)
Reduction defects of lower limb (Q72)
Reduction defects of unspecified limb (Q73)
Reduction defects of upper limb (Q71)
Renal agenesis and other reduction defects of kidney (Q60)
Spina bifida (Q05)
Syndactyly (Q70)
Undescended and ectopic testicle (Q53)
Unknown

Chromosomal abnormalities

ICD-10 Q90-99

One to many

Chromosomal abnormalities of the decedent or family

Medical examiners database and next of kin interview

Normative Answer List:

Down syndrome (Q90)

Trisomy 18 and Trisomy 13 (Q91)

Other trisomies and partial trisomies of the autosomes, not elsewhere classified (Q92)

Monosomies and deletions from the autosomes, not elsewhere classified (Q93)

Balanced rearrangements and structural markers, not elsewhere classified (Q95)

Turner's syndrome (Q96)

Other sex chromosome abnormalities, female phenotype, not elsewhere classified (Q97)

Other sex chromosome abnormalities, male phenotype, not elsewhere classified (Q98)

Other chromosome abnormalities, not elsewhere classified (Q99)
No known chromosomal abnormalities
Unknown

Dental health as an adult

No defined standard
One to many
Oral health of the decedent as an adult
Medical examiners database and next of kin interview
SNOMED CT codes for Normative Answer List below

Normative Answer List:

Dental cavities. 80967001
Dental trauma. 397869004
Dental abscess. 299709002
Periodontal disease. 2556008
Tooth loss. 25540007
Oral cancer. 363505006
Fungal, bacterial, or viral infection
Healthy
Unknown
None

Dental health as a Child

No defined standard
One to many
Oral health of the decedent as a child
Next of kin interview
SNOMED CT codes for Normative Answer List below

Normative Answer List:

Dental cavities. 80967001
Dental trauma. 397869004
Dental abscess. 299709002
Periodontal disease. 2556008
Tooth loss. 25540007
Oral cancer. 363505006
Fungal, bacterial, or viral infection
Healthy
Unknown
None

Scoliosis

SNOMED CT code: 298382003
One to one
Presence or absence of scoliosis in the decedent
Medical examiners database and next of kin interview

Normative Answer List:

Present

Absent

Unknown

History of Broken Bones

SNOMED CT code: 125605004

One to many

Location of any broken bones during the decedent's lifetime

Medical examiners database and next of kin interview

SNOMED CT codes for Normative Answers below

Normative Answer List:

Arm. 182245002

Wrist/hand. 8205005/ 85562004

Leg. 61685007

Ankle/foot. 344001/ 56459004

Ribs. 113197003

Neck. 45048000

Spine-not neck. 421060004

Pelvis. 12921003

Head. 69536005

None

Unknown

Facial Trauma

No defined standard

One to many

Facial trauma that the decedent underwent at any time in their lifetime

Medical examiners database and next of kin interview

Normative Answer List:

Trauma to upper face- hairline to glabella

Trauma to middle face-glabella to anterior nasal spine

Trauma to lower face- anterior nasal spine and below

trauma to face, area unknown

None

Unknown

Plastic surgery

SNOMED CT code: 286553006

One to many

Any plastic or cosmetic surgery that the decedent had in their lifetime

Medical examiners database and next of kin interview

SNOMED CT codes for Normative Answers below

Normative Answer List:

Cosmetic surgery-Tummy tuck. 177250006

Cosmetic surgery-Liposuction. 302441008
Cosmetic surgery-Face surgery. 1417002
Cosmetic surgery-Breast surgery. 392090004
Plastic surgery- Hand surgery. 112746006
Plastic surgery- Reconstructive surgery. 122465003
Plastic surgery- Trauma surgery. 310166001
Plastic surgery-Disorders
Plastic surgery-Congenital defect repair
Plastic or cosmetic surgery, type unknown
None
Unknown

Surgical History

SNOMED CT code: 161615003

One to many

History of surgery to broad regions of the body; scapula is included with arms

Medical examiners database and next of kin interview

SNOMED CT codes of findings below

Normative Answer List:

Arms. 182245002

Legs. 61685007

Head. 69536005

Neck. 45048000

Thorax. 51185008

Genitals. 71934003

No known surgeries

Unknown

Implanted device

SNOMED CT code: 14789005

One to many

Any device implanted in the decedent

Medical examiners database and next of kin interview

SNOMED CT, and NCI codes for normative answers are below

Normative Answer List:

Pacemaker. 14106009

Dental implant

Prosthesis. 53350007

Nail. 773092001

Pin. 77444004

Plate

Wire. 35593004

Stent. 65818007

Shunt. 257351008

Valve
Gastric band. 470413006
Lens
Clips. 386010000
Rod
Chain. 46666003
Cochlear implant. 43252007
Microchip implant.
Birth control. NCI: C92891
Glass eyeball. 2478003
Implant, type unknown
No implant
Unknown

History of radiation

SNOMED CT code: 161633009

One to one

Whether or not the decedent underwent radiation therapy in their lifetime

Next of kin interview

Normative Answer List:

Yes

No

Unknown

Diagnosis (non-cancer)

Modified SNOMED CT code: 439401001

One to many

Medical Diagnoses that the decedent suffered from during their lifetime

Medical examiners database and next of kin interview

SNOMED CT codes for Normative Answers below

Normative Answer List:

Arthritis. 3723001

Asthma. 195967001

Autism spectrum. 408856003

Autoimmune diseases. 85828009

Chronic heart failure. 48447003

Cirrhosis of the liver. 19943007

COPD. 13645005

Coronary artery disease. 443502000

Dementia. 52448006

Diabetes type I. 46635009

Diabetes Type II. 44054006

Epilepsy. 84757009

Hepatitis C. 50711007

HIV/AIDS. 19030005

Hyperlipidemia. 55822004
Hypertension. 38341003
Insect borne disease. 28509004
Mental illness. 74732009
Myocardial Infarction. 22298006
Osteoporosis. 64859006
Staphylococcus aureus. 406602003
Stroke. 230690007
Non-epileptic seizures.
Schizophrenia. 191526005
Unknown
None
Other

Diagnosis at Autopsy

No standard
One to many
Any diagnosis made during the autopsy.
Medical examiner database
ABC

Medications

RX Norm CUI for main ingredient(s).
One to many
Any medications that the decedent was taking at the time of death or found within their residence
Medical examiners database and next of kin interview
See: <https://www.nlm.nih.gov/research/umls/rxnorm/index.html>

Drug/substance use

Modified from ICD-10 F10-F19
One to many
Any drugs or substances that the decedent was taking or had taken during their lifetime.
Medical examiners database and next of kin interview

Normative Answer List:

Opioids
Cannabinoids
Sedative hypnotics/depressants
Cocaine
Other Stimulants
Hallucinogens
Volatile solvents/inhalants
Other psychoactive substances
Drug user, type unknown
Unknown if used drugs
Did not use illegal drugs

Former opioids drug user
Former cannabinoids drug user
Former sedative hypnotics/depressants drug user
Former cocaine drug user
Former other stimulants drug user
Former hallucinogens drug user
Former volatile solvents/inhalants drug user
Former other psychoactive substances drug user
Former drug user, type unknown
None
Unknown

Substance Quit date

No defined standard
One to many
Date that the decedent quit taking the drug
Next of kin interview
XX/XX/XXXX

Substance Usage duration

No defined standard
One to many
Number of years that the decedent took said substance
Next of kin interview
XX

Tobacco Type

Modified LOINC code: 82769-1
One to many
The type of tobacco products used
Medical examiners database and next of kin interview
SNOMED CT codes given below for Normative Answers

Normative Answer List:

smoke tobacco. 102407002
chew tobacco. 81911001
tobacco user, type unknown. 110483000
Never used tobacco. 702979003
Unknown if ever used tobacco. 160614008

Tobacco usage

LOINC code 72166-2
One to many
How often the decedent smoked at the time of death
Medical examiners database and next of kin interview
SNOMED CT Codes and definitions given below for normative answers

Normative Answer List:

Current every day smoker. 449868002	smoked at least 100 cigs in life and every day smoker
Current some day smoker. 428041000124106	smoked at least 100 cigs in life and some days' smoker
Former smoker. 8517006	
Never smoker. 266919005	
Smoker, current status unknown. 77176002	
Unknown if ever smoked. 266927001	
Heavy tobacco smoker. 428071000124103	>10 per day
Light tobacco smoker. 428061000124105	<10 per day

Drinking status

SNOMED CT: 365967005

One to many

How often the decedent drank on a regular basis

Medical examiners database and next of kin interview

Normative answers modified from National Institute on Alcohol Abuse and Alcoholism (NIAAA)

Normative Answer List:

Never drank

Low risk

High risk

Previous High risk

Drinker, current status unknown

Unknown if ever drank

Dietary Pattern

SNOMED CT code: 41829006.

One to many

What type of diet the decedent had for most of their life

Next of kin interview

SNOMED CT codes for Normative Answers below

Normative Answer List:

Vegan. 281015005

Vegetarian. 765021002

Weight reduction. 359649009

Overeating.

Normal. 36823005

Eating disorder. 72366004

Convenience food

Unknown

Current and Previous Occupations

ISCO-88 sub major level.

One to many

Occupations held by the decedent in their lifetime

Medical examiners database and next of kin interview

Normative Answer List:

Administrative and Commercial Managers
Agricultural, Forestry and Fishery Laborers
Armed Forces Occupations, Other Ranks
Assemblers
Building and Related Trades Workers (excluding Electricians)
Business and Administration Associate Professionals
Business and Administration Professionals
Chief Executives, Senior Officials and Legislators
Cleaners and Helpers
Commissioned Armed Forces Officers
Customer Services Clerks
Drivers and Mobile Plant Operators
Electrical and Electronic Trades Workers
Food Preparation Assistants
Food Processing, Woodworking, Garment and Other Craft and Related Trades Workers
General and Keyboard Clerks
Handicraft and Printing Workers
Health Associate Professionals
Health Professionals
Hospitality, Retail and Other Services Managers
Information and Communications Technicians
Information and Communications Technology Professionals
Laborers in Mining, Construction, Manufacturing and Transport
Legal, Social and Cultural Professionals
Legal, Social, Cultural and Related Associate Professionals
Market-oriented Skilled Agricultural Workers
Market-oriented Skilled Forestry, Fishery and Hunting Workers
Metal, Machinery and Related Trades Workers
Non-commissioned Armed Forces Officers
Numerical and Material Recording Clerks
Other Clerical Support Workers
Personal Care Workers
Personal Services Workers
Production and Specialized Services Managers
Protective Services Workers
Refuse Workers and Other Elementary Workers
Sales Workers
Science and Engineering Associate Professionals
Science and Engineering Professionals
Stationary Plant and Machine Operators
Street and Related Sales and Services Workers
Subsistence Farmers, Fishers, Hunters and Gatherers

Teaching Professionals

Duration of occupation

LOINC code: 74163-7

One to many

Number of years that the decedent was working in the occupation

Next of kin interview

XX

Repetitive activities

ICD-10 activity codes: Y93

One to many

Activities that the decedent performed on a regular basis during their life

Next of kin interview

Normative Answer List:

aerobic and step exercise Y93.A3

American flag or touch football Y93.62

American tackle football Y93.61

BASE jumping Y93.33

Baseball Y93.64

Basketball Y93.67

bike riding Y93.55

Bowling Y93.54

Boxing Y93.71

building and construction Y93.H3

bungee jumping Y93.34

Calisthenics Y93.A2

caregiving, bathing Y93.F1

caregiving, lifting Y93.F2

Cheerleading Y93.45

circuit training Y93.A4

computer keyboarding Y93.C1

cooking and baking Y93.G3

cross country skiing Y93.24

dancing Y93.41

digging, shoveling and raking Y93.H1

drum and other percussion instrument playing Y93.J2

exercise machines primarily for cardiorespiratory conditioning Y93.A1

exercise machines primarily for muscle strengthening Y93.B1

food preparation and clean up Y93.G1

free weights Y93.B3

Frisbee Y93.74

furniture building and finishing Y93.D3

gardening and landscaping Y93.H2

golf Y93.53
grass drills Y93.A6
grilling and smoking food Y93.G2
grooming and shearing an animal Y93.K3
Gymnastics Y93.43
handheld interactive electronic device Y93.C2
hang gliding Y93.35
horseback riding Y93.52
household cleaning
ice hockey Y93.22
ice skating Y93.21
jumping rope Y93.56
knitting and crocheting Y93.D1
lacrosse and field hockey Y93.65
martial arts Y93.75
milking an animal Y93.K2
mountain climbing, rock climbing and wall climbing Y93.31
none
non-running track and field events Y93.57
obstacle course Y93.A5
other Y93.9
other caregiving Y93.F9
other interior property and clothing maintenance
other involving animal care Y93.K9
other involving arts and handcrafts Y93.D9
other involving cardiorespiratory exercise Y93.A9
other involving climbing, rappelling and jumping off Y93.39
other involving computer technology and electronic devices Y93.C9
other involving cooking and grilling Y93.G9
other involving dancing and other rhythmic movements Y93.49
other involving exterior property and land maintenance, building and construction
Y93.H9
other involving external motion Y93.I9
other involving ice and snow Y93.29
other involving muscle strengthening exercises Y93.B9
other involving other sports and athletics played as a team or group Y93.69
other involving other sports and athletics played individually Y93.59
other involving water and watercraft Y93.19
other personal hygiene Y93.E8
other specified sports and athletics Y93.79
personal bathing and showering Y93.E1
physical games generally associated with school recess, summer camp and children
Y93.6A

piano playing Y93.J1
Pilates Y93.B4
push-ups, pull-ups, sit-ups Y93.B2
racquet and hand sports Y93.73
rappelling Y93.32
refereeing a sports activity Y93.81
residential relocation Y93.E6
roller coaster riding Y93.I1
roller skating (inline) and skateboarding Y93.51
rough housing and horseplay Y93.83
rowing, canoeing, kayaking, rafting and tubing Y93.16
rugby Y93.63
running Y93.02
sewing Y93.D2
sleeping Y93.84
snow (alpine) (downhill) skiing, snowboarding, sledding, tobogganing and snow tubing Y93.23
soccer Y93.66
springboard and platform diving Y93.12
string instrument playing Y93.J3
surfing, windsurfing and boogie boarding Y93.18
swimming Y93.11
trampolining Y93.44
underwater diving and snorkeling Y93.15
volleyball (beach) (court) Y93.68
walking an animal Y93.K1
walking, marching and hiking Y93.01
water aerobics and water exercise Y93.14
water polo Y93.13
water skiing and wake boarding Y93.17
winds and brass instrument playing Y93.J4
wrestling Y93.72
yoga Y93.42

History of strenuous lifting

No defined standard

One to one

Whether the decedent had a history of strenuous lifting during their lifetime

Next of kin interview

Normative Answer List:

Yes

No

Unknown

Highest Education Level

LOINC code 80913-7

One to one

Highest educational level attained by the decedent

Medical examiners database and next of kin interview

Normative Answer List:

8th grade/less

9th-12th, no diploma

High school graduate or GED
diploma

Some college credit but no degree

Associate degree

Bachelor's degree

Master's degree

Doctorate or professional degree

Unknown

Childhood Socio-economic Status

No defined standard

One to one

The socio-economic status of the decedent as a child

Next of kin interview

Normative Answer List:

Lower class

Lower middle class

Middle class

Upper middle class

Upper class

Unknown

Adult Socio-economic Status

No defined standard

One to one

The socio-economic status of the decedent as an adult

Next of kin interview

Normative Answer List:

Lower class

Lower middle
class

Middle class

Upper middle
class

Upper class

Unknown

Carcinogen Exposure

SNOMED CT: 88376000

One to many

Decedent exposure to carcinogens throughout their lifetime

Next of kin interview

List of known carcinogens from the National Toxicology Program's 14th Report on Carcinogens for the Normative Answers; SNOMED CT codes below

Normative Answer List:

1-(2-Chloroethyl)-3-(4-methylcyclohexyl)-1-nitrosourea (MeCCNU)

1,3-Butadiene

1,4-Butanediol dimethylsulfonate (also known as busulfan)

2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD); "dioxin"

2-Naphthylamine

4-Aminobiphenyl. 15833002

Aflatoxins

Alpha radiation

Analgesic mixtures containing phenacetin

Aristolochic acids

Arsenic and inorganic arsenic compounds

Asbestos

Azathioprine. 372574004

Benzene

Benzidine

Beryllium and beryllium compounds

Bis(chloromethyl) ether and technical grade chloromethyl methyl ether

Cadmium and cadmium compounds

Chlorambucil

Chromium hexavalent compounds

Coal tar pitches

Coal tars

Coke oven emissions

Cyclophosphamide

Cyclosporin A

Diethylstilbestrol (DES)

Dyes metabolized to benzidine

Epstein-Barr virus (EBV)

Erionite

Estrogens, steroidal

Ethylene oxide

Formaldehyde

Hepatitis B virus

Hepatitis C virus

Human immunodeficiency virus type 1 (HIV-1)

Human papilloma viruses: some genital-mucosal types

Human T-cell lymphotropic virus type 1 (HTLV-1)
Kaposi sarcoma-associated herpesvirus (KSHV) (also known as human herpesvirus 8, or HHV-8)
Melphalan
Merkel cell polyomavirus (MCV)
Methoxsalen with ultraviolet A therapy (PUVA)
Mineral oils (untreated and mildly treated)
Mustard gas
Neutrons
Nickel compounds
None
Oral tobacco products
o-Toluidine
Radon
Silica, crystalline (respirable size)
Solar radiation
Soots
Strong inorganic acid mists containing sulfuric acid
Sunlamps or sunbeds, exposure to
Tamoxifen
Thiotepa
Thorium dioxide
Tobacco smoke, environmental
Trichloroethylene (TCE)
Ultraviolet (UV) radiation, broad spectrum
Unknown
Vinyl chloride
Wood dust
X-radiation and gamma radiation

Body mass Index

LOINC code: 59574-4

One to one

The body mass index of the patient- weight in kilograms divided by the square of height in meters.

Determined from cadaveric weight and height. May include objects and equipment

XX

Current bone density

NCI code: C0005938

One to one

The bone density value of the decedent taken at vertebra L1 measured in Hounsfield Units

Determined from CT scan using AI tool

XX

Subcutaneous Adipose Area

No standard

One to one

Subcutaneous adipose tissue area at vertebra L3 measured in cm^2

Determined from CT scan using AI tool

XX

Visceral Adipose Area

No standard

One to one

Visceral adipose tissue area at vertebra L3 measured in cm^2

Determined from CT scan using AI tool

XX

Total Adipose Area

No standard

One to one

Subcutaneous and adipose tissue area at vertebrae L3 measured in cm^2

Determined from CT scan using AI tool

XX

Ratio of Visceral and Subcutaneous Fat Area

No standard

One to one

Ratio of visceral to subcutaneous adipose tissue (measured in cm^2) at vertebra L3

Determined from CT scan using AI tool

XX

Abdominal Muscle Mass Area

No standard

One to one

Abdominal Muscle mass area at vertebra L3 measured in cm^2

Determined from CT scan using AI tool

XX

Liver Volume

No standard

One to one

Volume of the liver measured in mL

Determined from CT scan using AI tool

XX

Spleen Volume

No standard

One to one

Volume of the spleen measured in mL

Determined from CT scan using AI tool

XX

Kidney Volume

NCI code: C84440

One to one

Volume of the kidney measured in mL

Determined from CT scan using AI tool

XX

Aortic Calcification Score

No standard

One to one

Value of calcium deposits in the aorta (from the aortic hiatus at the diaphragm to the aortic bifurcation) reported in Agatston score.

Determined from CT scan using AI tool

XX

Circumstances of Death

Primary and Contributing Cause of Death

OMI data standard

One to many

The primary and contributing cause(s) of death as determined by the medical examiner

Medical examiner database

Normative Answer List:

Acquired Immune Deficiency Syndrome (AIDS, HTLV-III, HIV, positive serology)

Adverse reaction (allergy)

Alzheimer's (senility, dementia, Organic/Chronic Brain Syndrome)

Amyotrophic lateral sclerosis

Aneurysm (cerebral hemorrhage, Berry)

Arthritis (degenerative joint disease, Lupus)

Asphyxia (suffocation, strangulation)

Aspiration (stomach contents, blood, mucus)

Aspiration (stomach, gastric, foreign objects)

Asthma

Blood disorders (anemia, Hyperviscosity Syndrome, leukopenia, Myelodysplastic Syndrome, myelofibrosis, pancytopenia)

Carbon monoxide intoxication (smoke and soot inhalation)

Carcinoma (CA, cancer, malignancy)

Cardiac arrhythmia

Cerebrovascular (CVA, stroke, anoxia, hypoxia, encephalopathy, brain death, coma, cerebral palsy, multiple sclerosis, Huntington's chorea)

Certification for record purposes only- Natural Cause of Death

Certification for record purposes only- Outside Agency

Child abuse

Chronic drug abuse

Chronic obstructive pulmonary disease (COPD)

Congenital defect (Down, Marfan's, Arnold-Chiari, Turners, Ehlers Danlos, cystic fibrosis, muscular dystrophy)

Consult Request Withdrawn

Cremains

Dehydration (hyperthermia, heat stroke)

Diabetes

Drowning

Electrocution

Emboli (thrombus, phlebitus)

Emphysema

Epilepsy (seizure disorder)

Ethanol (alcohol) intoxication

Ethanolism (chronic, alcoholism, alcoholic liver)

Exposure

Exsanguination

Gallbladder (cholecystitis, cholelithiasis)

Gastrointestinal hemorrhage (gastroenteritis, ulcers, diverticulitis)

Gunshot wound of

Hanging

Head and neck injuries (cervical, cranio-, cerebral)

Hepatic failure (liver, cirrhosis)

History of illness or injury

Hodgkin's disease

Hypertension (hypertensive cardiovascular disease)

Insanguination

Insufficient remains for determination of death (hands, feet, placenta)

Intrauterine fetal death (stillborn)

Leukemia

Malnutrition (cachexia, anorexia)

Maternal and fetal complications of birth

Medical treatment

Meningitis (Waterhouse-Friderichsen Syndrome)

Multiple injuries (fractures, lacerations to internal organs)

Multiple organ failure (multi-organ)

Narcotic abuse

Natural-specify

Non-human remains, animal or extraterrestrial

Obesity

Obstruction (blockage)

other

Pancreas

Parkinson's disease

Pathologic injuries

Plague
Pneumonia (bronchitis)
Prematurity
Presumably natural disease
Pulmonary edema
Renal failure (kidney, nephritis, uremia)
Respiratory Distress Syndrome (RDS, ARDS, IRDS, idiopathic pulmonary fibrosis, alveolar damage, insufficiency, Hanta viral)
Reye's Syndrome
Sepsis
Skeletal remains (ancient)
Skeletal/mummified remains
Spontaneous hemorrhage
Stab wound (slash, penetrating cut)
Subdural hematoma
Substance intoxication (drug, poison, alcohol, etc.)
Sudden Infant Death Syndrome (SIDS, crib death)
Thermal injuries (burns)
Tuberculosis
Undetermined after autopsy and/or toxicology
Undetermined-specify
Unnatural-specify

Manner of Death Categories

OMI data standard

One to one

The manner of death category as determined by the medical examiner

Medical examiner database

Normative Answer List:

Accident

Homicides

Natural

Other

Suicides

Undetermined

Manner of Death

OMI data standard

One to one

The manner of death as determined by the medical examiner

Medical examiner database

Normative Answer List:

"Natural" ASCVD/COPD/Seizure disorder

Accidental discharge of (handgun, rifle, shotgun, (other firearm type]

Accidental ligature strangulation (This applies to autoerotic strangulation or leaning into poseys or other restraints)

Accident-specify (To be used when none of the other categories will s--Discuss exact wording with the Medical Investigator)

Asphyxia/airway obstruction/suffocation

Assaulted with/by

Beaten by assailant(s)

Bitten/mauled/stung/kicked by (bee, dog, snake, horse, (name agent))

Blunt trauma/multiple injuries/subdural hematoma

Burned self with

Certification for record purposes only

Choked on (bolus of food, toy (identify item)) - (this is used when a foreign object is lodged in the airway)

Consult Request Withdrawn

Contacted electrical current via (outlet, telephone lines, ungrounded chain saw, (identify source of current))

Cremains

Crushed/suffocated by (car falling from jack, plastic bag over head, (identify mechanism))

Cut self with (knife, chainsaw, razor blade, (name agent))

Cyclist (explain circumstances briefly, e.g., left roadway and struck tree; overturned in roadway, etc.)

Cyclist struck by (auto, pickup, truck, minivan, (other motor vehicle)

Driver of (auto, pickup, truck, minivan, (other motor vehicle) struck by train

Driver of auto in collision with (auto, pickup, truck, minivan, ATV, motorcycle, (other motor vehicle type))

Driver of auto in collision with (tree, embankment, rock, wall, (other fixed object))

Driver of auto that left roadway (and overturned and/or became pinned underneath or in auto)

Driver of motor vehicle

Driver of motorcycle (explain circumstances briefly, e.g. left roadway and struck tree, overturned in roadway, etc.)

Driver of motorcycle in collision with (auto, pickup, truck, minivan, ATV, motorcycle, (other motor vehicle type))

Driver of pickup in collision with (tree, embankment, rock, wall, (other fixed object))

Driver of pickup in collision with (auto, pickup, truck, minivan, ATV, motorcycle, (other motor vehicle type))

Driver of pickup that left roadway (and overturned and/or became pinned underneath or in auto)

Driver of truck in collision with (auto, pickup, truck, minivan, ATV, motorcycle; (other motor vehicle type))

Driver of truck in collision with (tree, embankment, rock, wall;(other fixed object))

Driver of truck that left roadway (and overturned and/or became pinned underneath or in truck)

Driver/passenger motor vehicle

Drowned in (tub, arroyo, pool, (this includes all non-recreational water accidents)

Drowned self in

Drowned while swimming (this includes recreational swimming and rescue attempts)

Drowning

Explosion/Victim of fire

Exposure

Fall from (chair, table, mesa, cliff, (identify origin of fall) and approximate distance of fall in feet)

Fall from height/same height

Fall from standing height

Farm or Industrial machinery accident, e.g., "Crushed in bailer"; "Fell into packaging machine")

Fell/thrown from (horse, brahma bull, (specify other riding animal))

Gunshot wound

Hanged self with

Hanged/strangled

Homicide-specify

Ingested alcohol (ethanol) -Accident

Ingested alcohol- Unknown

Ingested and/or injected illicit drug(s) - ((in combination with ethanol))-Accident

Ingested and/or injected prescription medications-Accident

Ingested or injected medication -Suicide

Ingested, injected or inhaled non-prescription medication (illicit, volatiles)-Suicide

Ingested/injected medication-Unknown

Ingested/injected/inhaled drugs/poisons-Homicide

Ingested/injected/inhaled illicit drug or volatile-Unknown

Inhaled (Name' of product/Name of toxic agent), e.g., (Paint/Toluene) - (toxic substances abused to achieve intoxication)

Inhaled (Name of product; Name of toxic agent), e.g., (carbon monoxide in enclosed garage), (toxic substances inhaled accidentally)

Inhaled (via ___) /

Inhaled fumes/auto exhaust

Insufficient remains for determination of death

Jumped from

Medical treatment - (This includes deaths accidentally caused by therapy)

Motor vehicle accident, etiology unknown

Narcotic abuse

Natural

Neglect/Starvation

Non-collision motor vehicle accident, (no collision)

Non-human remains, animal or extraterrestrial

Other

Passenger in (airplane, balloon, hang glider, (other aircraft type) that crashed) - (Also parachutist)

Passenger in (auto, pickup, truck, minivan, (other motor vehicle type), struck by train

Passenger in auto in collision with (auto, pickup, truck, minivan, ATV, motorcycle, (other motor vehicle type))

Passenger in auto in collision with (tree, embankment, rock, wall, (other fixed object))

Passenger in auto that left roadway (and overturned and/or became pinned underneath or in auto)

Passenger in pickup in collision with (tree, embankment, rock, wall, (other fixed object))

Passenger in pickup in collision with (auto, pickup, truck, minivan, ATV, motorcycle, (other motor vehicle type))

Passenger in pickup that left roadway (and overturned and/or became pinned underneath or in auto)
Passenger in truck in collision with (auto, pickup, truck, minivan, ATV, motorcycle; (other motor vehicle type))
Passenger in truck in collision with (tree, embankment, rock, wall; (other fixed object))
Passenger in truck that left roadway (and overturned and/or became pinned underneath or in truck)
Passenger on motorcycle (explain circumstances briefly, e.g. left roadway and struck tree, overturned in roadway, etc.)
Passenger on motorcycle in collision with (auto, pickup, truck, minivan, ATV, motorcycle, (other motor vehicle type))
Passenger who fell from moving (auto, pickup, truck, minivan (other motor vehicle type))
Pedestrian homicide (i.e., struck with auto by assailant(s))
Pedestrian struck by (auto, pickup, truck, train, (other motor vehicle type))
Pedestrian struck by (bicycle, (other non-motor vehicle))
Pedestrian
Pilot of (airplane, balloon, hang glider, (other aircraft type) that crashed)
Poisoned
Poisoned by (name agent) - (This includes excessive consumption or improper use of product leading to poisoning not otherwise considered)
Received blow/collided with
Remained outdoors exposed to (cold, heat) - ((while intoxicated))
Scalded by (hot water, hot oil, (name agent))
Shot by assailant(s) with firearm (specify type, if known)
Shot self with firearm
Skeletal remains (ancient)
Skeletal, mummified or decomposed remains
Slashed ___ with ___
Stab/incised wounds
Stabbed by assailant(s)
Stabbed self with ____
Stillbirth, No Manner Determined
Stillborn/live birth/fetus
Strangled by assailant(s)/Suff
Struck by flying/falling (rock, tree, post, (identify moving object))
Struck by lightning
Suffocated self with
Suicide as pedestrian
Suicide-specify
Undetermined after autopsy and/or toxicology
Undetermined-specify
Victim of (car bomb, letter bomb, (type of device)) explosion
Victim of (house, car, trailer, open range, (other site)) fire
Victim of drowning
Victim of intentionally set fire

Method for Identification

OMI data standard

One to one

The method that was used to identify the decedent

Medical examiner database

Normative Answer List:

Fingerprint

Visual

ID card/driver's license

Photo

Dental

Circumstantial evidence

X-ray comparison

Medical device

DNA

Not Identified

Unknown

City of Death

No defined standard

One to one

City decedent was in at the time of death

Medical examiner database

County of Death

No defined standard

One to one

County decedent was in at the time of death

Medical examiner database

Normative Answer List:

Bernalillo

Catron

Chaves

Cibola

Colfax

Curry

De Baca

Dona Ana

Eddy

Grant

Guadalupe

Harding

Hidalgo

Lea

Lincoln

Los Alamos
Luna
McKinley
Mora
Otero
Quay
Rio Arriba
Roosevelt
Sandoval
San Juan
San Miguel
Santa Fe
Sierra
Socorro
Taos
Torrance
Union
Valencia
Apache (AZ)
Coconino (AZ)
Navajo (AZ)
Yavapai (AZ)

Cadaver Conditions

No defined standard

One to one

Location of the decedent when found and reported to authorities

Determined using Natural Language processing of text from the medical examiner's database

Normative Answer List:

Buried

Burn

Open air

Indoors

Vehicle

Water

Other

Unknown

Cadaver Length

Modified LOINC Code: 3137-7

One to one

Length of the prone decedent at death in cm

Medical examiner database

XX

Cadaver weight

Modified LOINC code: 3141-9

One to one

Weight of the decedent at death in kg. May include objects and equipment.

Medical examiner database

XX

CT scanner Protocol

OMI data standard

One to one

The scanning protocol undertaken at the OMI

Determined by CT technologist

Normative Answer List:

OMI adult protocol

OMI decomposed protocol

OMI partial protocol

OMI pediatric protocol

Unknown

Decomposition Score

OMI data standard

One to one

The level of decomposition in the decedent at the time of scan

Determined by CT technologist

Normative Answer List:

No decomposition

Mild Decomposition

Moderate decomposition

Advanced decomposition

Time delay for CT scan

No defined standard

One to one

Time in hours between death and CT scan

Medical examiner database

XX

Next of Kin Participated in Survey

One to one

Participation by next of kin in interviews. Note that UNM IRB determined that speaking to next of kin about decedents was not human subjects research, so next of kin could not provide consent.

Next of kin interviews

XX

Next of Kin consented to Data Use

One to one

Consent by next of kin to participate interviews.

Not currently in use. Planned for future use.
XX