APPENDIX VIIIA: Assigning Trauma Type

Assumption: Categorization into blunt vs. penetrating vs. thermal is for the purposes of applying the appropriate constants when examining expected outcomes using the MTOS (i.e., in calculating the probability of survival).

Blunt injuries (B)

Use this category for any trauma resulting from the application of force during *acceleration, deceleration, compression or shearing.*

The mechanisms of injury associated with blunt trauma are related to the type of *force* exerted and the subsequent *tissue response*. *Force* refers to a physical factor that changes the motion of a body at rest or a body that is already in motion. The amount of force an object or body exerts depends on the mass of the object or body and the velocity at which it is moving. The velocity of a body or an object is the primary determinant of energy release and subsequent tissue damage. The more slowly a force is applied, the more slowly energy is released, and the less is subsequent tissue deformation. Conversely, the more rapidly a force is applied, the greater are energy release and resultant tissue injury.

Common forces associated with motor vehicle crashes are deceleration and acceleration forces. *Deceleration* is a decrease in the velocity or speed of a moving object, whereas *acceleration* is an increase in the velocity or speed of a moving object. Deceleration forces create injury when a moving vehicle comes to an abrupt stop as a result of a crash. The moving object, such as a car or a body, decelerates rapidly, and the energy on impact is dissipated and absorbed by the car and the body, resulting in tissue injury. Two cars in a head-on collision are an example of deceleration force as the mechanism of tissue injury.

Acceleration forces are applied to a body or an object when a stationary or slowly moving body or object is struck by a faster moving object such as a car. The energy from the faster moving car is transferred to the slower body or object (person), creating an accelerating force. Acceleration forces occur, for example, when an automobile hits a pedestrian or a stationary car is hit from behind by a fast-moving vehicle.

Shearing and compression are other forces that may cause tissue damage. *Shearing forces* occur across a plane, with structures slipping relative to each other. Shearing forces may accompany deceleration energy because as the body and object come to an abrupt stop, internal organs may move tangentially, creating a tear. For example, tearing of the aorta may be due to shearing forces. In an abrupt deceleration motor vehicle crash, the chest may hit the steering wheel as the car comes to a sudden stop.

Examples include:
- Vehicular impact without impalement
- Blunt force trauma as in assault with a non-sharp object (e.g., fists, blunt object)
- Falls
- Blast injuries
- Extremities caught in machinery (not a saw); crush injuries, “belt” injuries
- Pinned between two objects
- Fall onto glass surface NOT resulting in deep penetrating wound
- Punch wall or glass surface NOT resulting in deep penetrating wound
- Struck by object made of glass (e.g., glass bottle, glass pitcher)

Penetrating injuries (P)
Use this category for any wound or injury caused by a sharp implement resulting in penetration of the skin and entrance into either a cavity, or for the extremities, into deeper structures such as tendons, nerves, vascular structures or deep muscle beds. Penetrating trauma requires more than one layer of suturing for closure.

Examples include:
- Gunshot wounds (including BB guns)
- Stab wounds
- Impalement
- Skill saw/other saw wounds
- Dog bites
- Nail guns
- Punch/fall through glass resulting in deep penetration
- Paint gun/high pressure liquid injection injuries

Thermal injuries (T)
Use this category for any trauma resulting from thermal or electrical injury, such as thermal burns, frostbite, scald, chemical burns, or lightning strikes.

Examples include:
- Thermal burns (e.g., fire, flames, scalds, hot liquids/grease)
- Chemical burns
- Hypothermia
- Electrocution
- Lightning strikes
- Taser injuries
- Burns to the airway

Not applicable (NA)
Injuries that do not fit into any of the above categories.

Examples include:
- Envenomations: snake bites, spider bites, etc.
- Cat bites, human bites
- Hangings, drownings, suffocations
- Smoke inhalation without burns to the airway
- Carbon monoxide poisoning

For cases with both blunt and penetrating components
For cases where both blunt and penetrating trauma occur, the registrar should pick the trauma type most likely to have the greatest impact on probability of survival (NOT the trauma type generally associated with that mechanism of injury). For example, for a case in which a skier falls, breaks a leg and then is impaled in the heart by a tree branch, the injury most likely to impact the probability of survival is the impalement (Penetrating) not the broken leg (Blunt). This case should be listed as a Penetrating injury.

Please confer with your trauma surgeons to determine which injury has the greatest impact on probability of survival. If it is still unclear whether the blunt or the penetrating injury had the greatest impact on the probability of survival, then look at the mechanism of injury. For example, if in the case described above the patient also had a severe head injury, and it's unclear whether the head injury or

the impalement had the greatest impact on probability of survival, then look at the mechanism of injury (fall) and assign the case as a Blunt injury.

INJURY TYPE = PENETRATING
E-codes assigned to this injury type according to Cales software

ECODE	EXPLANATION	PENETRATNG
E870.0	ACCID PUNCT-PERFORAT/HEMORR DURING SURGERY	Yes
E870.1	ACCID PUNCT-PERFORAT/HEMORR DUR INFUS/TRANSFUS	Yes
E870.2	ACCID PUNCT-PERFOR/HEMORR DUR DIALYSIS/PERFUSION	Yes
E870.3	ACCID PUNCT-PERFORAT/HEMORR DUR INJECT/VACCINAT	Yes
E870.4	ACCID PUNCT-PERFORAT/HEMORR DUR ENDOSCOPE EXAM	Yes
E870.5	ACCIDENT DURING FLUID/TISSUE ASPIRAT-PUNCT-CATH	Yes
E870.6	ACCID PUNCT-PERFORAT/HEMORR DURING HEART CATH	Yes
E870.7	ACCID PUNCT-PERFORAT/HEMORR DURING ENEMA ADMINIS	Yes
E870.8	ACCID PUNCT-PERFORAT/HEMORR DUR OTH MEDICAL CARE	Yes
E870.9	ACCID PUNCT-PERFORAT/HEMORR DUR UNS MEDICAL CARE	Yes
E905.0	POISION-TOXIC REACT D/T VENOMOUS SNAKES-LIZARDS	Yes
E905.1	POISIONING & TOXIC REACTION D/T VENOMOUS SPIDERS	Yes
E905.2	POISIONING & TOXIC REACTION DUE TO SCORPION	Yes
E905.3	POISIONING-TOXIC REACT D/T HORNETS-WASPS & BEES	Yes
E905.4	POISION-TOXIC REACT D/T CENTIPEDE-VENOM MILLPEDE	Yes
E905.5	POISION-TOXIC REACT D/T OTH VENOMOUS ARTHROPODS	Yes
E905.6	POISION-TOXIC REACT D/T VENOM MARINE ANIMAL-PLNT	Yes
E905.7	POISONING-TOXIC REACTIONS CAUSED BY OTH PLANTS	Yes
E905.8	POISONING-TOXIC REACTION D/T OTH ANIMALS-PLANTS	Yes
E905.9	POISONING-TOXIC REACTIONS D/T UNS ANIMAL & PLANT	Yes
E906.0	DOG BITE	Yes
E906.1	RAT BITE	Yes
E906.2	BITE OF NONVENOMOUS SNAKES & LIZARDS	Yes
E906.3	BITE OF OTH ANIMAL-EXCEPT ARTHROPOD	Yes
E906.4	BITE OF NONVENOMOUS ARTHROPOD	Yes
E914	FOREIGN BODY ACCIDENTALLY ENTERING EYE & ADNEXA	Yes
E915	FOREIGN BODY ACCIDENTALLY ENTERING OTH ORIFICE	Yes
E917.9	OTH STRIKE AGAINST/BEING STRUCK BY OBJECT/PERSON	Yes
E920.0	ACCIDENT DUE TO POWERED LAWN MOWER	Yes
E920.1	ACCIDENT DUE TO OTH POWERED HAND TOOLS	Yes
E920.2	ACCID D/T POWER HOUSEHOLD APPLIANCES-IMPLEMENTS	Yes
E920.3	ACCIDENT DUE TO KNIVES-SWORDS & DAGGERS	Yes
E920.4	ACCIDENT DUE TO OTH HAND TOOLS-IMPLEMENTS	Yes
E920.8	ACCID D/T OTH CUT-PIERCE INSTRUMENTS/OBJECTS	Yes
E920.9	ACCID D/T UNS CUTTING-PIERCING INSTRUMENT/OBJECT	Yes
E922.0	ACCIDENT CAUSED BY HANDGUN	Yes
E922.1	ACCIDENT CAUSED BY SHOTGUN (AUTOMATIC)	Yes
E922.2	ACCIDENT CAUSED BY HUNTING RIFLE	Yes
E922.3	ACCIDENT CAUSED BY MILITARY FIREARMS	Yes
E922.8	ACCIDENT CAUSED BY OTH SPEC FIREARM MISSILE	Yes
E922.9	ACCIDENT CAUSED BY UNS FIREARM MISSILE	Yes

E955.0	S&S-I INJURY BY HANDGUN	Yes
E955.1	S&S-I INJURY BY SHOTGUN	Yes
E955.2	S&S-I INJURY BY HUNTING RIFLE	Yes
E955.3	S&S-I INJURY BY MILITARY FIREARMS	Yes
E955.4	S&S-I INJURY BY OTH & UNS FIREARM	Yes
E956	S&S-I INJURY BY CUTTING & PIERCING INSTRUMENT	Yes
E965.0	ASSAULT BY HANDGUN	Yes
E965.1	ASSAULT BY SHOTGUN	Yes
E965.2	ASSAULT BY HUNTING RIFLE	Yes
E965.3	ASSAULT BY MILITARY FIREARMS	Yes
E965.4	ASSAULT BY OTH & UNS FIREARM	Yes
E966	ASSAULT BY CUTTING & PIERCING INSTRUMENT	Yes
E970	INJURY DUE TO LEGAL INTERVENTION BY FIREARMS	Yes
E974	INJURY D/T LEGAL INTERVENT-CUT-PIERCE INSTRUMENT	Yes
E985.0	INJURY BY HANDGUN-UNDETERMINED CAUSE	Yes
E985.1	INJURY BY SHOTGUN-UNDETERMINED CAUSE	Yes
E985.2	INJURY BY HUNTING RIFLE-UNDETERMINED CAUSE	Yes
E985.3	INJURY BY MILITARY FIREARMS-UNDETERMINED CAUSE	Yes
E985.4	INJURY BY OTH & UNS FIREARM-UNDETERMINED CAUSE	Yes
E986	INJURY BY CUT-PIERCE INSTRUMENTS-UNDETERM CAUSE	Yes
E991.0	INJURY D/T WAR OPERATIONS FROM RUBBER BULLETS	Yes
E991.1	INJURY DUE TO WAR OPERATIONS FROM PELLETS	Yes
E991.2	INJURY DUE TO WAR OPERATIONS FROM OTH BULLETS	Yes
E991.3	INJURY DUE TO WAR OP FROM ANTIPERSONNEL BOMB	Yes
E991.9	INJURY D/T WAR OPERATIONS FROM OTH-UNS FRAGMENTS	Yes
E906.5	BITE BY UNS ANIMAL	Yes
E920.5	ACCIDENT DUE TO HYPODERMIC NEEDLE	Yes
E922.4	ACCIDENT CAUSED BY AIR GUN	Yes
E955.6	S&S-I INJURY BY AIR GUN	Yes
E968.6	ASSAULT BY AIR GUN	Yes
E985.6	INJURY BY AIR GUN-UNDETERMINED CAUSE	Yes

INJURY TYPE = NOT APPLICABLE
E-codes assigned to this injury type according to Cales software

E-code	Description	Injury type
E803.0	RA-EXPLOSION-FIRE/BURNING-INJUR RAIL EMPLOYEE	NA
E803.1	RA-EXPLOSION-FIRE/BURNING-INJUR RAIL PASSENGER	NA
E803.2	RA-EXPLOSION-FIRE/BURNING-INJURING PEDESTRIAN	NA
E803.3	RA-EXPLOSION-FIRE/BURNING-INJURING PEDAL CYCLIST	NA
E803.8	RA-EXPLOSION-FIRE/BURNING-INJURING OTH PERSON	NA
E803.9	RA-EXPLOSION-FIRE/BURNING-INJURING UNS PERSON	NA
E837.0	EXPLOS-FIRE/BURN-INJUR OCCUPNT-SM MANUAL BOAT	NA
E837.1	EXPLOS-FIRE/BURN-INJUR OCCUPNT-SM POWERED BOAT	NA
E837.2	EXPLOSION-FIRE/BURN IN WC-INJURING CREW-OTH WC	NA
E837.3	EXPLOSION-FIRE/BURNING IN WC-INJUR OCCPNT-OTH WC	NA
E837.4	EXPLOSION-FIRE/BURNING IN WC-INJUR WATER SKIER	NA
E837.5	EXPLOSION-FIRE OR BURNING IN WC-INJURING SWIMMER	NA

E837.6	EXPLOS-FIRE/BURN IN WC-INJUR DOCKERS-WORKERS	NA
E837.8	EXPLOSION-FIRE/BURN IN WC-INJUR OTH SPEC PERSON	NA
E837.9	EXPLOSION-FIRE/BURNING IN WC-INJURING UNS PERSON	NA
E868.1	ACCIDENTAL POISONING BY OTH & UNS UTILITY GAS	NA
E868.2	ACCIDENT POISON BY MOTOR VEHICLE EXHAUST GAS	NA
E868.3	ACCID POISON-INCOMPLETE CARBON MONOXIDE COMBUST	NA
E868.8	ACCID POISONING-CARBON MONOXIDE FROM OTH SOURCES	NA
E868.9	ACCIDENTAL POISONING BY UNS CARBON MONOXIDE	NA
E869.0	ACCIDENTAL POISONING BY NITROGEN OXIDES	NA
E869.1	ACCIDENTAL POISONING BY SULFUR DIOXIDE	NA
E869.2	ACCIDENTAL POISONING BY FREON	NA
E869.3	ACCIDENTAL POISONING-LACRIMOGENIC GAS [TEAR GAS]	NA
E869.8	ACCIDENTAL POISONING BY OTH SPEC GASES & VAPORS	NA
E869.9	ACCIDENTAL POISONING BY UNS GASES & VAPORS	NA
E871.0	FOREIGN OBJ LEFT IN BODY DURING SURG PROCEDURE	NA
E871.1	FOREIGN OBJ LEFT IN BODY DUR INFUSION/TRANSFUS	NA
E871.2	FOREIGN OBJ LEFT IN BODY DUR DIALYSIS/PERFUSION	NA
E871.3	FOREIGN OBJ LEFT IN BODY DUR INJECT/VACCINATION	NA
E871.4	FOREIGN OBJ LEFT IN BODY DURING ENDOSCOPIC EXAM	NA
E871.5	FOREIGN OBJ LEFT IN BODY DUR ASPIRAT-PUNCT-CATH	NA
E871.6	FOREIGN OBJECT LEFT IN BODY DURING HEART CATH	NA
E871.7	FOREIGN OBJ LEFT IN BODY DUR-CATH/PACK REMOVAL	NA
E871.8	FOREIGN OBJ LEFT IN BODY DURING OTH SPEC PROCED	NA
E871.9	FOREIGN OBJ LEFT IN BODY DURING UNS PROCEDURE	NA
E873.9	UNS FAILURE IN DOSAGE	NA
E887	FRACTURE IN ACCIDENTAL FALL-CAUSE UNS	NA
E890.0	EXPLOSION D/T CONFLAGRATION IN PRIVATE DWELLING	NA
E890.1	PVC FUMES-COMBUST-CONFLAGRAT IN PRIVATE DWELLING	NA
E890.2	OTH SMOKE-FUMES FROM CONFLAGRATION-PRIVATE DWELL	NA
E890.3	BURNING D/T CONFLAGRATION IN PRIVATE DWELLING	NA
E890.8	OTH ACCID D/T CONFLAGRATION IN PRIVATE DWELLING	NA
E890.9	UNS ACCID D/T CONFLAGRATION IN PRIVATE DWELLING	NA
E891.0	EXPLOS D/T CONFLAGRATION IN OTH-UNS BUILD/STRUCT	NA
E891.1	PVC FUMES-COMBUSTION-CONFLAGRAT IN OTH-UNS BUILD	NA
E891.2	OTH SMOKE-FUMES D/T CONFLAG IN OTH-UNS BUILDING	NA
E891.3	BURN D/T CONFLAGRAT IN OTH-UNS BUILDING/STRUCT	NA
E891.8	OTH ACCID D/T CONFLAG-OTH-UNS BUILDING/STRUCTURE	NA
E891.9	UNS ACCID D/T CONFLAG-OTH-UNS BUILDING/STRUCTURE	NA
E892	CONFLAGRATION NOT IN BUILDING OR STRUCTURE	NA
E893.0	IGNITION-CLOTHES FROM CONTROL FIRE-PRIVATE DWELL	NA
E893.1	IGNITION-CLOTHES FROM CONTROL FIRE IN OTH BUILD	NA
E893.2	IGNITION-CLOTHES FROM CONTROL FIRE-NOT IN BUILD	NA
E893.8	ACCID IGNITION-CLOTHING FROM OTH SPEC SOURCES	NA
E893.9	ACCIDENTAL IGNITION OF CLOTHING BY UNS SOURCE	NA
E894	ACCIDENTAL IGNITION-HIGHLY INFLAMMABLE MATERIAL	NA
E895	ACCID D/T CONTROLLED FIRE IN PRIVATE DWELLING	NA
E896	ACCID D/T CONTROLLED FIRE-OTH-UNS BUILD/STRUCT	NA
E897	ACCID D/T CONTROLLED FIRE-NOT IN BUILD/STRUCTURE	NA
E898.0	ACCIDENT CAUSED BY BURNING BEDCLOTHES	NA
E898.1	ACCIDENT CAUSED BY OTH BURNING MATERIALS	NA

E899	ACCIDENT CAUSED BY UNS FIRE	NA
E900.0	EXCESSIVE HEAT DUE TO WEATHER CONDITIONS	NA
E900.1	EXCESSIVE HEAT OF MAN-MADE ORIGIN	NA
E900.9	EXCESSIVE HEAT OF UNS ORIGIN	NA
E901.0	EXCESSIVE COLD DUE TO WEATHER CONDITIONS	NA
E901.1	EXCESSIVE COLD OF MAN-MADE ORIGIN	NA
E901.8	EXCESSIVE COLD OF OTH SPEC ORIGIN	NA
E901.9	EXCESSIVE COLD OF UNS ORIGIN	NA
E902.0	RESIDING/PROLONGED VISIT AT HIGH ALTITUDE	NA
E902.1	HIGH-LOW & CHANGES IN AIR PRESSURE IN AIRCRAFT	NA
E902.2	HIGH-LOW & CHANGES IN AIR PRESSURE D/T DIVING	NA
E902.8	HIGH-LOW-CHANGES IN AIR PRESS D/T OTH SPEC CAUSE	NA
E902.9	HIGH-LOW & CHANGES IN AIR PRESSURE D/T UNS CAUSE	NA
E903	TRAVEL & MOTION	NA
E904.0	ABANDON/NEGLECTED INFANTS & HELPLESS PERSON	NA
E904.1	LACK OF FOOD	NA
E904.2	LACK OF WATER	NA
E904.3	EXPOSURE (TO WEATHER CONDITIONS)-NEC	NA
E904.9	PRIVATION-UNQUALIFIED	NA
E906.8	OTH SPEC INJURY CAUSED BY ANIMAL	NA
E906.9	UNS INJURY CAUSED BY ANIMAL	NA
E907	LIGHTNING	NA
E908	CATACLYSM, STORMS AND FLOODS RESULTING FROM STORMS	NA
E909	CATACLYSM, ERUPTIONS AND EARTH SURFACE MOVEMENTS	NA
E910.0	ACCIDENT DROWNING-SUBMERSION WHILE WATER-SKIING	NA
E910.1	ACCID DROWN-SUBMERS W DIVING EQUIP-SPORT/RECREAT	NA
E910.2	ACCID DROWN-SUBMERS-NO DIVE EQUIP-SPORT/RECREAT	NA
E910.3	ACCID DROWN-SUBMERS-SWIM/DIVE-NON RECREAT/SPORT	NA
E910.4	ACCIDENTAL DROWNING & SUBMERSION IN TUB	NA
E910.8	OTH ACCIDENTAL DROWNING OR SUBMERSION	NA
E910.9	UNS ACCIDENTAL DROWNING OR SUBMERSION	NA
E911	OBSTRUCT/SUFFOCATION D/T INHALING-INGESTING FOOD	NA
E912	OBST/SUFFOCAT D/T INHALING-INGESTING OTH OBJECT	NA
E913.0	MECHANICAL SUFFOCATION IN BED OR CRADLE	NA
E913.1	MECHANICAL SUFFOCATION BY PLASTIC BAG	NA
E913.2	MECH SUFFOCATION D/T LACK OF AIR (CLOSED PLACE)	NA
E913.3	MECH SUFFOCAT BY FALLING EARTH OR OTH SUBSTANCE	NA
E913.8	ACCIDENT MECHANICAL SUFFOCAT BY OTH SPEC MEANS	NA
E913.9	ACCIDENTAL MECHANICAL SUFFOCATION BY UNS MEANS	NA
E924.0	ACCID D/T HOT LIQUIDS & VAPORS-INCLUDING STEAM	NA
E924.1	ACCIDENT CAUSED BY CAUSTIC-CORROSIVE SUBSTANCES	NA
E924.8	ACCID D/T OTH HOT-CAUSTIC/CORROSIVES-STEAM	NA
E924.9	ACCIDENT D/T UNS HOT-CAUSTIC/CORROSIVE & STEAM	NA
E925.0	ACCIDENT CAUSED BY DOMESTIC WIRING-APPLIANCES	NA
E925.1	ACCID D/T CURRENT IN POWER PLANTS-STATION-LINES	NA
E925.2	ACCIDENT D/T WIRING-APPLIANCES-ELECTRIC MACHINES	NA
E925.8	ACCIDENT CAUSED BY OTH ELECTRIC CURRENT	NA
E925.9	ACCIDENT CAUSED BY UNS ELECTRIC CURRENT	NA
E926.0	EXPOSURE TO RADIOFREQUENCY RADIATION	NA
E926.1	EXPOSE TO INFRARED RADIATION FROM HEATERS-LAMPS	NA

E926.2	EXPOSURE TO VISIBLE & ULTRAVIOLET LIGHT SOURCES	NA
E926.3	EXPOSE-X-RAYS-OTH ELECTROMAGNET IONIZE RADIAT	NA
E926.4	EXPOSURE TO LASERS	NA
E926.5	EXPOSURE TO RADIOACTIVE ISOTOPES	NA
E926.8	EXPOSURE TO OTH SPEC RADIATION	NA
E926.9	EXPOSURE TO UNS RADIATION	NA
E927	OVEREXERTION & STRENUOUS MOVEMENTS	NA
E928.0	PROLONGED STAY IN WEIGHTLESS ENVIRONMENT	NA
E928.1	EXPOSURE TO NOISE	NA
E928.2	EXPOSURE TO VIBRATION	NA
E928.8	OTH ACCIDENT	NA
E928.9	UNS ACCIDENT	NA
E951.8	S&S-I POISONING BY OTH UTILITY GAS	NA
E952.0	S&S-I POISONING BY MOTOR VEHICLE EXHAUST GAS	NA
E952.1	S&S-I POISONING BY OTH CARBON MONOXIDE	NA
E952.8	S&S-I POISONING BY OTH SPEC GASES & VAPORS	NA
E952.9	S&S-I POISONING BY UNS GASES & VAPORS	NA
E953.1	S&S-I INJURY BY SUFFOCATION BY PLASTIC BAG	NA
E953.8	S&S-I INJURY BY OTH SPEC MEANS	NA
E953.9	S&S-I INJURY BY UNS MEANS	NA
E954	S&S-I INJURY BY SUBMERSION [DROWNING]	NA
E958.1	S&S-I INJURY BY BURNS & FIRE	NA
E958.2	S&S-I INJURY BY SCALDING	NA
E958.4	S&S-I INJURY BY ELECTROCUTION	NA
E959	LATE EFFECTS OF SELF-INFLICTED INJURY	NA
E961	ASSAULT-CORROSIVE/CAUSTIC SUBSTANCE-NOT POISON	NA
E962.0	ASSAULT BY DRUGS & MEDICINAL SUBSTANCES	NA
E962.1	ASSAULT BY OTH SOLID & LIQUID SUBSTANCES	NA
E962.2	ASSAULT BY OTH GASES & VAPORS	NA
E962.9	ASSAULT BY UNS POISONING	NA
E963	ASSAULT BY HANGING & STRANGULATION	NA
E964	ASSAULT BY SUBMERSION [DROWNING]	NA
E968.0	ASSAULT BY FIRE	NA
E968.3	ASSAULT BY HOT LIQUID	NA
E969	LATE EFFECT OF INJURY PURPOSELY INFLICTED BY OTH	NA
E972	INJURY DUE TO LEGAL INTERVENTION BY GAS	NA
E977	LATE EFFECTS OF INJURIES DUE TO LEGAL INTERVENT	NA
E983.1	SUFFOCATION BY PLASTIC BAG-UNDETERMINED CAUSE	NA
E983.8	STRANGULAT/SUFFOCAT BY OTH MEANS-UNDETERM CAUSE	NA
E983.9	STRANGULAT/SUFFOCAT BY UNS MEANS-UNDETERM CAUSE	NA
E984	SUBMERSION [DROWNING]-UNDETERMINED CAUSE	NA
E988.1	INJURY BY BURNS OR FIRE-UNDETERMINED CAUSE	NA
E988.2	INJURY BY SCALDING-UNDETERMINED CAUSE	NA
E988.3	INJURY BY EXTREMES OF COLD-UNDETERMINED CAUSE	NA
E988.4	INJURY BY ELECTROCUTION-UNDETERMINED CAUSE	NA
E988.7	INJ-CAUSTIC SUBSTANCE-NOT POISON-UNDETERM CAUSE	NA
E989	LATE EFFECT OF INJURY-UNDETERMINED CAUSE	NA
E990.0	INJURY D/T WAR OPERATIONS FROM GASOLINE BOMB	NA
E990.1	WAR, FIRE/CONFLAGRATION, OTH/UNSP	NA
E990.9	INJURY D/T WAR OPERATIONS FROM OTH & UNS SOURCE	NA

E999	LATE EFFECT OF INJURY DUE TO WAR OPERATIONS	NA
NA	NOT APPLICABLE	NA
Unk	UNKNOWN	NA
E908.0	HURRICANE	NA
E908.1	TORNADO	NA
E908.2	FLOODS	NA
E908.3	BLIZZARD (SNOW) (ICE)	NA
E908.4	DUST STORM	NA
E908.8	OTH CATACLYSMIC STORMS	NA
E908.9	UNS CATACLYSMIC STORMS-FLOODS	NA
E909.0	EARTHQUAKES	NA
E909.1	VOLCANIC ERUPTIONS	NA
E909.2	AVALANCHE-LANDSLIDE OR MUDSLIDE	NA
E909.3	COLLAPSE OF DAM OR MAN-MADE STRUCTURE	NA
E909.4	TIDALWAVE CAUSED BY EARTHQUAKE	NA
E909.8	OTH CATACLYSMIC EARTH MOVEMENTS & ERUPTIONS	NA
E909.9	UNS CATACLYSMIC EARTH MOVEMENTS & ERUPTIONS	NA
E924.2	ACCIDENT CAUSED BY HOT (BOILING) TAP WATER	NA