

Categorization of External Cause of Injury Codes used to Present Injury Morbidity by the New York State Department of Health

The Bureau of Occupational Health and Injury Prevention (BOHIP) uses the Hospital Discharge Data Set (HDDS), and the Emergency Department (ED) outpatient data in surveillance of injury morbidity. The New York State Department of Health (NYS DOH) maintains the HDDS and ED, through the Statewide Planning and Research Cooperative System (SPARCS).

External cause of injury codes (E-codes*) are recorded in the HDDS and the ED data. E-codes* capture the cause and intent of the injury. Injury is often broken into four different categories of intent: unintentional, self-inflicted, assault, and undetermined. The E-codes* that BOHIP uses to define intent are listed in table 1.

BOHIP does not include data from the late effects of unintentional injury (E929, E959, E969, E977, E989), operations of war and terrorism (E990-E999), medical misadventures (E870-E879), and adverse effects from medications (E930-E949).

Table 1. Intent of Injury. This table contains the E-code* groupings used by the New York State Department of Health to present injury morbidity.

| Intent | E-Codes Included for Hospitalization and ED Data |
|-----------------------|--|
| All Injuries | E800.0- E848, E850.0-E869.9, E880.0-E929.9, E950.0- E969 E980.0-E989 |
| Unintentional | E800.0- E848, E850.0-E869.9, E880.0-E929.9 |
| Self-Inflicted | E950.0-E959 |
| Assault | E960.0- E969 |
| Undetermined | E980.0- E989 |

Preventing unintentional injury is a major focus for the Bureau of Occupational Health and Injury Prevention. As such, the unintentional injury data is often further subdivided into additional categories by the mechanism of injury. A listing of these mechanisms and the corresponding E-Codes is found in table 2.

*E-Codes are from on the **INTERNATIONAL CLASSIFICATION OF DISEASES, 9TH REVISION CLINICAL MODIFICATION (ICD-9 CM)**.

Table 2. Mechanism of Unintentional Injury. This table contains the E-code* groupings used by the New York State Department of Health to present unintentional injury morbidity.

| Mechanism of Injury | E-Codes Included for Hospitalization and ED Data |
|---|--|
| Cut / Pierce | E920.0-E920.9 |
| Drowning / Submersion | E830.0-E830.9, E832.0-E832.9, E910.0-E910.9 |
| Fall | E880.0-E886.9, E888.0-E888.9 |
| Fire / Burn | E890.0- E899, E924.0-E924.9 |
| Fire / Flame Hot Object / Scald | E890.0- E899 E924.0-E924.9 |
| Firearm | E922.0-E922.3, E922.8-E922.9 |
| Machinery | E919.0-E919.9 |
| Motor Vehicle Traffic | E810.0-E819.9 |
| Occupant | E810.0-E810.1, E811.0-E811.1, E812.0-E812.1, E813.0-E813.1, E814.0-E814.1, E815.0-E815.1, E816.0-E816.1, E817.0-E817.1, E818.0-E818.1, E819.0-E819.1 |
| Motorcyclist | E810.2-E810.3, E811.2-E811.3, E812.2-E812.3, E813.2-E813.3, E814.2-E814.3, E815.2-E815.3, E816.2-E816.3, E817.2-E817.3, E818.2-E818.3, E819.2-E819.3 |
| Pedal Cyclist | E810.6, E811.6, E812.6, E813.6, E814.6, E815.6, E816.6, E817.6, E818.6, E819.6 |
| Pedestrian | E810.7, E811.7, E812.7, E813.7, E814.7, E815.7, E816.7, E817.7, E818.7, E819.7 |
| Occupant of Streetcar | E810.4, E811.4, E812.4, E813.4, E814.4, E815.4, E816.4, E817.4, E818.4, E819.4 |
| Rider of Animal | E810.5, E811.5, E812.5, E813.5, E814.5, E815.5, E816.5, E817.5, E818.5, E819.5 |
| Unspecified | E810.9, E811.9, E812.9, E813.9, E814.9, E815.9, E816.9, E817.9, E818.9, E819.9 |
| Other Specified | E810.8, E811.8, E812.8, E813.8, E814.8, E815.8, E816.8, E817.8, E818.8, E819.8 |
| Pedal Cyclist, Non-Traffic | E800.3, E801.3, E802.3, E803.3, E804.3, E805.3, E806.3, E807.3, E820.6, E821.6, E822.6, E823.6, E824.6, E825.6, E826.1, E826.9, E827.1, E828.1, E829.1 |
| Pedestrian, Non-Traffic | E800.2, E801.2, E802.2, E803.2, E804.2, E805.2, E806.2, E807.2, E821.7, E822.7, E823.7, E824.7, E825.7, E826.0, E827.0, E828.0, E829.0 |
| Transport, Non-Traffic | E800.0-E800.1, E800.8-E800.9, E801.0-E801.1, E801.8-E801.9, E802.0-E802.1, E802.8-E802.9, E803.0-E803.1, E803.8-E803.9, E804.0-E804.1, E804.8-E804.9, E805.0-E805.1, E805.8-E805.9, E806.0-E806.1, E806.8-E806.9, E807.0-E807.1, E807.8-E807.9, E820.0-E820.5, E820.8-E820.9, E821.0-E821.5, E821.8-E821.9, E822.0-E822.5, E822.8-E822.9, E823.0-E823.5, E823.8-E823.9, E824.0-E824.5, E824.8-E824.9, E825.0-E825.5, E825.8-E825.9, E826.2-E826.8, E827.2-E827.9, E828.2-E828.9, E829.2-E829.9, E831.0-E831.9, E833.0-E845.9 |
| Natural / Environmental | E900.0-E909.9, E928.0-E928.2 |
| Bites and Stings | E905.0-E905.6, E905.9-E906.5, E906.9 |
| Overexertion | E927.0-E927.9 |
| Poisoning | E850.0-E869.9 |
| Struck by, Against | E916 -E917.9 |
| Suffocation | E911-E913.9 |
| Other Specified and Classifiable | E846 -E848, E914-E915, E918, E921.0-E921.9, E922.4-E922.5, E923.0-E923.9, E925.0-E926.9, E928.3-E928.6, E929.0-E929.5 |
| Other Specified, Not Elsewhere Classifiable | E928.8, E929.8 |
| Unspecified | E887, E928.9, E929.9 |

*E-Codes are from on the INTERNATIONAL CLASSIFICATION OF DISEASES, 9TH REVISION CLINICAL MODIFICATION (ICD-9 CM).

Table 3. Mechanism of Self-Inflicted Injury. This table contains the E-code* groupings used by the New York State Department of Health to present self-inflicted injury morbidity.

| Mechanism of Injury | E-Codes Included for Hospitalization and ED Data |
|---|---|
| Cut / Pierce | E956 |
| Drowning / Submersion | E954 |
| Fall | E957.0-E957.9 |
| Fire / Burn | E958.1, E958.2, E958.7 |
| Fire / Flame | E958.1 |
| Hot Object / Scald | E958.2, E958.7 |
| Firearm | E955.0-E955.4 |
| Motor Vehicle Traffic | E958.5 |
| Transport, Non-Traffic | E958.6 |
| Natural / Environmental | E958.3 |
| Poisoning | E950.0-E952.9 |
| Suffocation | E953.0-E953.9 |
| Other Specified and Classifiable | E955.5, E955.6, E955.9, E958.0, E958.4 |
| Other Specified, Not Elsewhere Classifiable | E958.8, E959 |
| Unspecified | E958.9 |

Table 4. Mechanism of Assault-Related Injury. This table contains the E-code* groupings used by the New York State Department of Health to present assault-related injury morbidity.

| Mechanism of Injury | E-Codes Included for Hospitalization and ED Data |
|---|--|
| Cut / Pierce | E966 |
| Drowning / Submersion | E964 |
| Fall | E968.1 |
| Fire / Burn | E961, E968.0, E968.3 |
| Fire / Flame | E968.0 |
| Hot Object / Scald | E961, E968.3 |
| Firearm | E965.0-E965.4, |
| Motor Vehicle Traffic | E968.5 |
| Poisoning | E962.0-E962.9 |
| Struck by, Against | E960.0, E968.2 |
| Suffocation | E963 |
| Other Specified and Classifiable | E960.1, E965.5-E965.9, E967.0-E967.9, E968.4, E968.6, E968.7 |
| Other Specified, Not Elsewhere Classifiable | E968.8, E969 |
| Unspecified | E968.9 |

*E-Codes are from on the INTERNATIONAL CLASSIFICATION OF DISEASES, 9TH REVISION CLINICAL MODIFICATION (ICD-9 CM).

Table 5. Mechanism of Injury of Undetermined Intent. This table contains the E-code* groupings used by the New York State Department of Health to present injury morbidity of undetermined intent.

| Mechanism of Injury | E-Codes Included for Hospitalization and ED Data |
|---|---|
| Cut / Pierce | E986 |
| Drowning / Submersion | E984 |
| Fall | E987.0-E987.9 |
| Fire / Burn | E988.1, E988.2, E988.7 |
| Fire / Flame | E9881 |
| Hot Object / Scald | E988.2, E988.7 |
| Firearm | E985.0-E985.4 |
| Motor Vehicle Traffic | E988.5 |
| Transport, Non-Traffic | E9886 |
| Natural / Environmental | E988.3 |
| Poisoning | E980.0-E982.9 |
| Suffocation | E983.0-E983.9 |
| Other Specified and Classifiable | E985.5, E985.6, E9857 E988.0 E988.4 |
| Other Specified, Not Elsewhere Classifiable | E988.8, E989 |
| Unspecified | E988.9 |

*E-Codes are from on the **INTERNATIONAL CLASSIFICATION OF DISEASES, 9TH REVISION CLINICAL MODIFICATION (ICD-9 CM)**.