

CSTE Unintentional Child Injuries Special Emphasis Report - Spreadsheet Instructions

Step 1. Prepare your state/territory data on unintentional child injuries

Name	ICD-10-CM Codes
1. Create a dataset for nonfatal injury emergency department visits: Any one of the ICD-10-CM codes below in any diagnosis field. Only include cases if the 7th character of the code is A, B, C, or missing (reflects initial encounter, active treatment). T30-T32 do not have a 7th character.	
Anatomic injuries	S00-S99
Foreign bodies, burns, corrosions, frostbite	T07-T34
Poisoning by drugs, medicaments, and biological substances (Includes accidental, intentional self-harm, assault, and undetermined intents; Excludes adverse effects and underdosing)	T36-T50 with a 6th character of 1, 2, 3, or 4 Note: Include T36.9, T37.9, T39.9, T41.4, T42.7, T43.9, T45.9, T47.9, and T49.9 with 5th character of 1, 2, 3, or 4 (Intent information for these codes is included in the 5th character and not the 6th)
Toxic effects of substances nonmedicinal as to source	T51-T65
Other and unspecified effects of external causes	T66-T76
Certain early complications of trauma, not elsewhere classified	T79
Traumatic injuries and abuse complicating pregnancy, childbirth, and the puerperium	O9A.2-O9A.5
Periprosthetic fracture around internal prosthetic joint	M97
Transport accidents	V00-V99
Other external causes of accidental injury	W00-X58
Intentional self-harm	X71-X83
Assault	X92-Y09
Event of undetermined intent	Y21-Y33
Legal intervention, operations of war, military operations, and terrorism	Y35-Y38
2. Create a dataset for nonfatal injury hospitalizations: One of the ICD-10-CM codes below in the primary diagnosis field. Only include cases if the 7th character of the code is A, B, C, or missing (reflects initial encounter, active treatment). T30-T32 do not have a 7th character.	
Anatomic injuries	S00-S99
Foreign bodies, burns, corrosions, frostbite	T07-T34
Poisoning by drugs, medicaments, and biological substances (Includes accidental, intentional self-harm, assault, and undetermined intents; Excludes adverse effects and underdosing)	T36-T50 with a 6th character of 1, 2, 3, or 4 Note: Include T36.9, T37.9, T39.9, T41.4, T42.7, T43.9, T45.9, T47.9, and T49.9 with 5th character of 1, 2, 3, or 4

	(Intent information for these codes is included in the 5th character and not the 6th)
Toxic effects of substances nonmedicinal as to source	T51-T65
Other and unspecified effects of external causes	T66-T76
Certain early complications of trauma, not elsewhere classified	T79
Traumatic injuries and abuse complicating pregnancy, childbirth, and the puerperium	O9A.2-O9A.5
Periprosthetic fracture around internal prosthetic joint	M97

3. Create a dataset for injury fatalities: One of the ICD-10-CM codes below in the underlying cause of death field.

Injury and poisoning	V01-Y36
	Y85-Y87
	Y89
	U01-U03

4. Create a dataset for unintentional child injuries by mechanism for Figure 1 - Figure 1 in this SER allows you to show ED visit, hospitalization, and/or death rates for up to 6 mechanisms of unintentional child injuries. You can choose which ICD-10-CM codes to use below to create data subsets of unintentional child injury-related ED visits, hospitalizations, and deaths by mechanism. Depending on your state/jurisdiction, you may choose different mechanisms to showcase in this SER. Below are ICD-10-CM codes for mechanisms of injury but you are not required to use data for all of these mechanisms.

Mechanisms in purple text were prioritized by the Unintentional Child Injuries SER subgroup of CSTE members.

Mechanism of Injury	ICD-10-CM Codes for Unintentional Injury (Only include cases if the 7th character of the code is A or missing [reflects initial encounter, active treatment])	ICD-10 (Mortality) Codes for Unintentional Injury Deaths
All mechanisms of unintentional injury	T15–T19, [T36–T65, T71] (with 6th character = 1), [T36.9, T37.9, T39.9, T41.4, T42.7, T43.9, T45.9, T47.9, T49.9, T51.9, T52.9, T53.9, T54.9, T56.9, T57.9, T58.0, T58.1, T58.9, T59.9, T60.9, T61.0, T61.1, T61.9, T62.9, T63.9, T64, T65.9] (with 5th character = 1), T71.20, T71.21, T71.29, T71.9, T73, T75.0, T75.2–T75.4, V00–V99, W00–W99, X00–X58	V01–X59, Y85–Y86
Cut/pierce	W25–W29, W45, W46	W25–W29, W45, W46

Drowning/submersion	V90†, V92†, [W16] (with 6th character = 1), W16.41, W16.91, W22.041, W65–W74	W65–W74, V90, V92 (Drowning/submersion related to watercrafts moved from other transport.) † Differs from placement of comparable code in ICD–10 external cause matrix for mortality.
Fall	[V00.1–V00.8] (with 6th character = 1), W00–W15, [W16] (with 6th character = 2), W16.42, W16.92, W17, W18.1–W18.3, W19	W00–W19
Fire/burn (Total)	T54.1X1, T54.2X1, T54.3X1, T54.91, X00–X19	X00–X19
Fire/flame	X00–X08	X00–X09
Hot object/substance	T54.1X1, T54.2X1, T54.3X1, T54.91, X10–X19	X10–X19
Firearm	W32, W33, W34.00, W34.09, W34.10, W34.19	W32–W34
Machinery	W24, W30, W31	W24, W30–W31
All transportation	V01–V89, V91, V93–V99	V01–V89, V91, V93–V99
Motor vehicle–Traffic (MVT) Total	[V02–V04] (with 4th character = 1, 9), V09.2, V09.3, [V12–V14] (with 4th character = 3, 4, 5, 9), V19.4–V19.6, V19.9, [V20–V28] (with 4th character = 3, 4, 5, 9), V29.4–V29.9, [V30–V79] (with 4th character = 4, 5, 6, 7, 8, 9), [V83–V86] (with 4th character = 0, 1, 2, 3), V80.3–V80.5, V81.1, V82.1, V87.0–V87.8, V89.2	[V02–V04](.1,.9), V09.2, [V12–V14](.3–.9), V19(.4–.6), [V20–V28](.3–.9), [V29–V79](.4–.9), V80(.3–.5), V81.1, V82.1, [V83–V86](.0–.3), V87(.0–.8), V89.2
MVT–Occupant	[V30–V79] (with 4th character = 4, 5, 6, 7, 8, 9), [V83–V86] (with 4th character = 0, 1, 2, 3), V87.0–V87.8, V89.2	[V30–V79](.4–.9), [V83–V86](.0–.3), V87(.0–.8), V89.2 These are codes for the MVT–Unspecified category and Occupant category
MVT–Motorcyclist	[V20–V28] (with 4th character = 3, 4, 5, 9), V29.4–V29.9	[V20–V28](.3–.9), V29(.4–.9)
MVT–Pedal cyclist	[V12–V14] (with 4th character = 3, 4, 5, 9), V19.4–V19.6, V19.9†	[V12–V14](.3–.9), V19(.4–.6) † Differs from placement of comparable

		code in ICD–10 external cause matrix for mortality.
MVT–Pedestrian	[V02–V04] (with 4th character = 1, 9), V09.2, V09.3†	[V02–V04](.1,.9), V09.2 † Differs from placement of comparable code in ICD–10 external cause matrix for mortality.
MVT–Other	V80.3–V80.5, V81.1, V82.1	V80(.3–.5), V81.1, V82.1
Motor vehicle–Nontraffic	[V20–V29] (with 4th character = 0, 1, 2), V29.3, [V30–V79] (with 4th character = 0, 1, 2, 3), V81.0, V82.0, V84.5–V84.9, V85.5–V85.9, [V86.5–V86.7, V86.9] (with 5th character = 1, 4, 5, 6), V88.0–V88.8, V89.0	N/A
Pedal cyclist, other	V10, V11, [V12–V14] (with 4th character = 0, 1, 2), V15–V18, V19.0–V19.3, V19.8	V10–V11, [V12–V14](.0–.2), V15–V18, V19(.0–.3,.8,.9)
Pedestrian, other	V01, V02.0, V03.0, V04.0, V05, V06, V09.0, V09.1, V09.9	V01, [V02–V04](.0), V05, V06, V09(.0–.1,.3,.9)
Other land transport	V80.0–V80.2, V80.6–V80.9, V81.2–V81.9, V82.2–V82.9, V83.4–V83.9, V84.4, V85.4, V86.4, [V86.5–V86.9] (with 5th character = 2, 3, 9), V87.9, V88.9, V89.1, V89.3, V89.9	[V20–V28](.0–.2), [V29–V79](.0–.3), V80(.0–.2,.6–.9), [V81–V82](.0,.2–.9), [V83–V86](.4–.9), V87.9, V88(.0–.9), V89(.0,.1,.3,.9)
Other transport	V91, V93–V99	V91, V93–V99 (V90 and V92 are instead listed above with drowning/submersion ICD-10-CM codes)
Natural/environmental (Total)	[T63.0–T63.8] (with 6th character = 1), T63.91, T65.821, T73.0–T73.2, T73.8, T73.9, T75.0, T75.2, T75.3, W42, W53–W64, W92–W94, W99, X30–X39, X52	W42–W43, W53–W64, W92–W99, X20–X39, X51–X57
Other Bites and stings, nonvenomous	[W53, W55, W56, W58, W59, W61] (with 5th character = 1), W54.0, W57	N/A
Bites and stings, venomous	[T63.0–T63.6, T63.8] (with 6th character = 1), T63.91	N/A
Natural/environmental, other	T63.711, T63.791, T65.821, T73.0–T73.2, T73.8, T73.9, T75.0, T75.2, T75.3, W42, [W53] (with 5th character = 9), W54.1, W54.8, W55.03, W55.09, [W55.1–W56.8] (with 5th character = 2, 9), [W58, W59, W61] (with 5th character = 2, 3, 9), W60, W62, W64, W92–W94, W99, X30–X39, X52	N/A

Overexertion	T73.3, W18.4, X50	X50
Poisoning (Total)	[T36–T53, T55–T62, T65.0X–T65.81, T65.83, T65.89] (with 6th character = 1), [T36.9, T37.9, T39.9, T41.4, T42.7, T43.9, T45.9, T47.9, T49.9, T51.9, T52.9, T53.9, T56.9, T57.9, T58.0, T58.1, T58.9, T59.9, T60.9, T61.0, T61.1, T61.9, T62.9, T64, T65.9] (with 5th character = 1), T54.0X1	X40–X49
Drug	[T36–T50] (with 6th character = 1), [T36.9, T37.9, T39.9, T41.4, T42.7, T43.9, T45.9, T47.9, T49.9] (with 5th character = 1)	X40–X44
Nondrug	[T51–T53, T55–T62, T65.0X–T65.81, T65.83, T65.89] (with 6th character = 1), [T51.9, T52.9, T53.9, T56.9, T57.9, T58.0, T58.1, T58.9, T59.9, T60.9, T61.0, T61.1, T61.9, T62.9, T64, T65.9] (with 5th character = 1), T54.0X1	X45–X49
Struck by/against	V00.0, [V00.1–V00.8] (with 6th character = 2), W18.0, W20, W21, W22.01–W22.03, W22.042, W22.09, W22.1, W22.8, W50–W52	W20–W22, W50–W52
Suffocation	[T17] (with 6th character = 0), [T71] (with 6th character = 1), T71.20, T71.21, T71.29, T71.9	W75–W84
Other specified	T15, T16, T17.0, T17.1, [T17.2–T17.9] (with 6th character = 8), T18, T19, T75.4, [V00] (with 6th character = 8), W23, W34.01, W34.11, W35–W40, W49, W85–W90	W23, W35–W41, W44, W49, W85–W91, Y85
Other specified, foreign body	T15, T16, T17.0, T17.1, [T17.2–T17.9] (with 6th character = 8), T18, T19	
Other specified, classifiable	T75.4, [V00] (with 6th character = 8), W23, W34.01, W34.11, W35–W40, W49, W85–W90	
Other, not elsewhere classifiable (NEC)		X58, Y86
Unspecified	X58†	X59 † Differs from placement of comparable code in ICD–10 external cause matrix for mortality.

Step 2. Enter your data into the SER spreadsheet

Note: Please click "Enable Content" and/or "Enable Editing" if they appear at the top of your Excel file.

1. Open the "B_Populations" and "B.1_Population Weights" tabs

- 1.1 - Enter your state or territory name
- 1.2 - Enter your state or territory population data by age group
- 1.3 - Enter state or territory population data by race/ethnicity in columns. If your state uses different race/ethnicity categories, enter them into the appropriate cell
- 1.4 - Enter 2000 populations and weights in the "B.1_Population Weights" tab

2. Fill in Tabs C, D, E, F, and G for Years 1-5

Please note, you do not have to enter ED visit, hospitalizations, and/or death data if that is unavailable.

- 2.1 - Enter the number injuries in columns categorized by ED visits, hospitalizations, and deaths
- 2.2 - Enter the same data organized by race/ethnicity
- 2.3 - Enter the 2000 population values and weights to calculate age-adjusted rates per 100,000
- 2.3 - Age-adjusted rates per 100,000 will be calculated in these tabs for ED visits, hospitalizations, and deaths

3. Review Tab H_Table 1 Rates by Year

- 3.1 - Review the data that automatically filled in Tab H to ensure that the total rates across your data years are accurately captured in Table 1.

4. Tab I_Figure 1 Mechanisms

- 4.1 - This tab is intended to calculate age-adjusted rates per 100,000 for ED visits, hospitalizations, and deaths by mechanism of unintentional child injury.
- 4.2 - Enter the counts by age group for each mechanism (up to 6 mechanisms total)
- 4.3 - The Figure 1 data table will populate with age-adjusted rates per 100,000 across ED visits, hospitalizations, and deaths for each mechanism. This data will generate the graph for Figure 1.

5. Tab J_Figure 2 Age and Sex

- 5.1 - This tab is intended to show age-adjusted rates per 100,000 for ED visits, hospitalizations, or deaths by age and sex.
- 5.2 - Copy/paste age-adjusted rates per 100,000 for male and female for ED visits, hospitalizations, or deaths from Tab C, D, E, F, or G.

6. Tab K_Optional Figure 3 Race/Ethnicity Groups

Note: If race/ethnicity data is limited, then users can exclude Figure 3 and edit the race/ethnicity section in the Unintentional Child Injuries Special Emphasis Report Form to instead provide narrative information on unintentional child injuries by region.

- 6.1 - This tab is intended to show age-adjusted rates per 100,000 for ED visits, hospitalizations, or deaths by age and race/ethnicity.

6.2 - Copy/paste age-adjusted rates per 100,000 for race/ethnicity groups for ED visits, hospitalizations, and deaths from Tab C, D, E, F, or G

Step 3. Create the SER

1. Open the PDF SER form

2. Open Tab L_Report

2.1 - The PDF SER form includes fields that will be populated according to the data you have entered in the spreadsheet. Follow the instructions in the "Report" tab and populate the PDF SER form with the appropriate data. You will need to copy and paste some of the graphs and charts from the report tab into your SER - instructions for how to do this are embedded in the tab.

3. Finalize the PDF SER form

3.1 - Once you have copied and entered all the data into the form, remove the blue shading, which is on by default in the document so all the fillable fields can be easily distinguished. Turn it off within Acrobat Reader by going to Edit > Preferences > Forms > and deselecting "show border hover color for fields"