

**CDC Assault Firearm Injury v1**  
**Definition Factsheet & Technical Brief**

Created by partners in the CDC's National Center for Injury Prevention and Control to support states and jurisdictions to query visits related to an initial encounter of an assault-related firearm injury.

**New or Revised Definition:** New

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**Authored by** the NSSP Community of Practice.

**Table 1.** Inclusion and exclusion terms.

| Terms                                                                                              | Description                                                        |
|----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|
| <i>Inclusion</i>                                                                                   |                                                                    |
| <b>International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM)</b> |                                                                    |
| X93.XXXA                                                                                           | Assault by handgun discharge, initial encounter                    |
| X94.0XXA                                                                                           | Assault by shotgun, initial encounter                              |
| X94.1XXA                                                                                           | Assault by hunting rifle, initial encounter                        |
| X94.2XXA                                                                                           | Assault by machine gun, initial encounter                          |
| X94.8XXA                                                                                           | Assault by other larger firearm discharge, initial encounter       |
| X94.9XXA                                                                                           | Assault by unspecified larger firearm discharge, initial encounter |
| X95.8XXA                                                                                           | Assault by other firearm discharge, initial encounter              |
| X95.9XXA                                                                                           | Assault by unspecified firearm discharge, initial encounter        |
| <b>International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM)</b>  |                                                                    |
| E965.0                                                                                             | Assault by handgun                                                 |
| E965.1                                                                                             | Assault by shotgun                                                 |
| E965.2                                                                                             | Assault by hunting rifle                                           |
| E965.3                                                                                             | Assault by military firearms                                       |
| E965.4                                                                                             | Assault by other and unspecified firearm                           |
| <b>SNOMED Concepts</b>                                                                             |                                                                    |
| 242869008                                                                                          | Assault by firearms                                                |
| 219199009                                                                                          | Assault by handgun (event)                                         |
| 219200007                                                                                          | Assault by pistol (event)                                          |
| 219201006                                                                                          | Assault by revolver (event)                                        |
| 219204003                                                                                          | Assault by hunting rifle                                           |
| 219205002                                                                                          | Assault by military firearm (event)                                |

| Terms                                                                                           | Description                                |
|-------------------------------------------------------------------------------------------------|--------------------------------------------|
| 219203009                                                                                       | Assault by shotgun (event)                 |
| 219198001                                                                                       | Assault by firearms and explosives (event) |
| <b>Chief Complaint – Nested Together with AND: ass[au][au]lt + One Firearm Term/Group Below</b> |                                            |
| ass[au][au]lt                                                                                   |                                            |
| gsw                                                                                             |                                            |
| gunshot                                                                                         |                                            |
| gun shot                                                                                        |                                            |
| gunshout                                                                                        |                                            |
| gunshoot                                                                                        |                                            |
| buckshot                                                                                        |                                            |
| buck shot                                                                                       |                                            |
| revolver                                                                                        |                                            |
| rifle                                                                                           |                                            |
| rifle                                                                                           |                                            |
| shotgun                                                                                         |                                            |
| shot gun                                                                                        |                                            |
| firearm                                                                                         |                                            |
| fire arm                                                                                        |                                            |
| pistol                                                                                          |                                            |
| handgun                                                                                         |                                            |
| hand gun                                                                                        |                                            |
| been shot                                                                                       |                                            |
| I was shot                                                                                      |                                            |
| I got shot                                                                                      |                                            |
| <b>Chief Complaint – Nested Together with AND: ass[au][au]lt + hit/ricochet/graze + bullet</b>  |                                            |
| ass[au][au]lt                                                                                   |                                            |
| hit                                                                                             |                                            |
| ricochet                                                                                        |                                            |
| graze                                                                                           |                                            |
| bullet                                                                                          |                                            |

| Terms                                                                                       |  | Description                             |
|---------------------------------------------------------------------------------------------|--|-----------------------------------------|
| Chief Complaint – Nested Together with AND: ass[au][au]lt + gun + wound                     |  |                                         |
| ass[au][au]lt                                                                               |  |                                         |
| gun                                                                                         |  |                                         |
| wound                                                                                       |  |                                         |
| Exclusion                                                                                   |  |                                         |
| International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) |  |                                         |
| Z51.89                                                                                      |  | Encounter for other specified aftercare |
| Chief Complaint                                                                             |  |                                         |
| no gun                                                                                      |  |                                         |
| remove gun                                                                                  |  |                                         |
| heard gun                                                                                   |  |                                         |
| hearing gun                                                                                 |  |                                         |
| hit head                                                                                    |  |                                         |
| hit my head                                                                                 |  |                                         |
| kickback                                                                                    |  |                                         |
| kick back                                                                                   |  |                                         |
| kicked back                                                                                 |  |                                         |
| water gun                                                                                   |  |                                         |
| watergun                                                                                    |  |                                         |
| pelle                                                                                       |  |                                         |
| pellt                                                                                       |  |                                         |
| bb                                                                                          |  |                                         |
| bebe gun                                                                                    |  |                                         |
| bb gun                                                                                      |  |                                         |
| bbgun                                                                                       |  |                                         |
| b b gun                                                                                     |  |                                         |
| bibi gun                                                                                    |  |                                         |
| bi bi gun                                                                                   |  |                                         |
| bb pellet                                                                                   |  |                                         |
| bee bee                                                                                     |  |                                         |

| Terms           | Description |
|-----------------|-------------|
| beebe           |             |
| rubber bullet   |             |
| paint           |             |
| nerf            |             |
| nurf            |             |
| airgun          |             |
| air gun         |             |
| airsoft         |             |
| air soft        |             |
| spring          |             |
| pistol whip     |             |
| pistol whipped  |             |
| pistol whipping |             |
| nail            |             |
| nailgun         |             |
| nail gun        |             |
| staplegun       |             |
| staple gun      |             |
| stun            |             |
| ta[sz]er        |             |
| la[sz]er        |             |
| bloodshot       |             |
| blood shot      |             |
| scope           |             |
| fake            |             |
| allergy shot    |             |
| injection       |             |
| follow-up       |             |
| follow up       |             |
| followup        |             |

| Terms                                                                                                | Description |
|------------------------------------------------------------------------------------------------------|-------------|
| chronic                                                                                              |             |
| drainage                                                                                             |             |
| gswe                                                                                                 |             |
| gswo                                                                                                 |             |
| Chief Complaint                                                                                      |             |
| struck                                                                                               |             |
| hit with                                                                                             |             |
| gun                                                                                                  |             |
| pistol                                                                                               |             |
| Chief Complaint – Nested Together with AND: wound + check/care/recheck/infection/infected            |             |
| wound                                                                                                |             |
| check                                                                                                |             |
| care                                                                                                 |             |
| recheck                                                                                              |             |
| infection                                                                                            |             |
| infected                                                                                             |             |
| Chief Complaint – Nested Together with AND: gsw/gunshot/gun shot/bullet + History/Prior Timing Terms |             |
| gsw                                                                                                  |             |
| gunshot                                                                                              |             |
| gun shot                                                                                             |             |
| bullet                                                                                               |             |
| hx                                                                                                   |             |
| history                                                                                              |             |
| history of                                                                                           |             |
| ago                                                                                                  |             |
| past                                                                                                 |             |
| prior                                                                                                |             |
| previous                                                                                             |             |
| old                                                                                                  |             |

**Table 2.** ESSENCE syntax.

(, (^;/ ]X9[34]^, andnot, (^;/ ]X9[34]\_\_\_[DS]^, or, (^;/ ]X9[34].\_\_\_[DS]^),), or, (^;/ ]X95[89]^, or, (^;/ ]X95[89]^), andnot, (^;/ ]X95[89]\_\_\_[DS]^, or, (^;/ ]X95.[89]\_\_\_[DS]^),), or, (^;/ ]E965.[01234]^, or, (^;/ ]E965[01234]^, or, (^;/ ]242869008^, or, (^;/ ]219199009^, or, (^;/ ]219200007^, or, (^;/ ]219201006^, or, (^;/ ]219204003^, or, (^;/ ]219205002^, or, (^;/ ]219203009^, or, (^;/ ]219198001^), or, (^, (^ass[au][au]lt^),), AND, (^, (! gsw!, or, ^gunshot^, or, ^gun shot^, or, ^gunshout^, or, ^gunshoot^, or, ^buckshot^, or, ^buckshot^, or, ^revolver^, or, ^rifle^, or, ^rifle^, or, ^shotgun^, or, ^shot gun^, or, ^firearm^, or, ^firearm^, or, ^pistol^, or, ^handgun^, or, ^hand gun^, or, ^been shot^, or, ^I was shot^, or, ^I got shot^, or, (^, (^hit^, or, ^ricochet^, or, ^graze^),), and, (^, (^bullet^),), or, (^, (^gun^, and, ^wound^),),), ANDNOT, (^, (^no gun^, or, ^removegun^, or, ^heard gun^, or, ^hearing gun^, or, ^hit head^, or, ^hit my head^, or, ^kickback^, or, ^kick back^, or, ^kicked back^, or, ^water gun^, or, ^watergun^, or, ^pelle^, or, ^pellt^, or, ^ bb ^, or, ^bebe gun^, or, ^bb gun^, or, ^bbgun^, or, ^b b gun^, or, ^bibi gun^, or, ^bi bi gun^, or, ^bb pellet^, or, ^bee bee^, or, ^beebe^, or, ^rubberbullet^, or, ^paint^, or, ^nerf^, or, ^nurf^, or, ^airgun^, or, ^air gun^, or, ^airsoft^, or, ^air soft^, or, ^spring^, or, ^pistol whip^, or, ^pistol whipped^, or, ^pistol whipping^, or, (^, (^nail^, andnot, ^damage to nail^),), or, ^nailgun^, or, ^nailgun^, or, ^staplegun^, or, ^staple gun^, or, ^stun^, or, ^ta[sz]er^, or, ^la[sz]er^, or, (^, (^struck^, or, ^hit with^),), and, (^, (^gun^, or, ^pistol^),), or, ^bloodshot^, or, ^blood shot^, or, ^scope^, or, ^fake^, or, ^allergy shot^, or, ^injection^, or, ^follow-up^, or, ^follow up^, or, ^followup^, or, ^chronic^, or, (^, (^wound^, and, (^, (^check^, or, ^care^, or, ^recheck^, or, ^infection^, or, ^infected^),),), or, ^drainage^, or, ^gswel^, or, ^gswol^, or, (^, (^! gsw!, or, ^gunshot^, or, ^gun shot^, or, ^bullet^),), and, (^, (^hx^, or, ^history^, or, ^history of^, or, (^, (^ago^, andnot, ^minutes ago^),), or, ^past^, or, ^prior^, or, ^previous^, or, ^old^),), or, (^;/ ]Z51.89^, or, (^;/ ]Z5189^),)