

CDC Unintentional Firearm Injury v1
Definition Factsheet & Technical Brief

Description: 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 unintentional firearm injury, or one that occurred while cleaning or playing with a firearm or other incidents of an accidental firing without evidence of intentional harm.

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>		
International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM)		
W32		Accidental handgun discharge and malfunction
W33		Accidental rifle, shotgun and larger firearm discharge and malfunction
W34.00		Accidental discharge from unspecified firearms or gun
W34.09		Accidental discharge from other specified firearms
W34.10		Accidental malfunction from unspecified firearms or gun
W34.19		Accidental malfunction from other specified firearms
Y22		Handgun discharge, undetermined intent
Y23		Rifle, shotgun and larger firearm discharge, undetermined intent
Y24.8		Other firearm discharge, undetermined intent
Y24.9		Unspecified firearm discharge, undetermined intent
International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM)		
E922.0		Accident caused by handgun
E922.1		Accident caused by shotgun
E922.2		Accident caused by hunting rifle
E922.3		Accident caused by military firearms
E922.8		Accident caused by other specified firearm missile
E922.9		Accident caused by unspecified firearm missile
E985.0		Injury by handgun, undetermined whether accidentally or purposely inflicted
E985.1		Injury by shotgun, undetermined whether accidentally or purposely inflicted
E985.2		Injury by hunting rifle, undetermined whether accidentally or purposely inflicted
E985.3		Injury by military firearms, undetermined whether accidentally or purposely inflicted
E985.4		Injury by other and unspecified firearm, undetermined whether accidentally or purposely inflicted
SNOMED Concepts		

Terms	Description
218081007	Accident caused by firearm missile (event)
218086002	Accident caused by automatic shotgun (event)
218082000	Accident caused by handgun (event)
218087006	Accident caused by hunting rifle (event)
218088001	Accident caused by military firearms (event)
269796009	Shotgun accident (event)
Chief Complaint – Nested Together with AND: Unintentional/Accident Terms AND Firearm Terms	
UNINTENTIONAL	
ACCIDENT	
Chief Complaint – Firearm Terms Required with Unintentional/Accident Terms	
gsw	
gunshot	
gun shot	
gunshout	
gunshoot	
buckshot	
buck shot	
revolver	
riffle	
rifle	
shotgun	
shot gun	
firearm	
fire arm	
pistol	
handgun	
hand gun	
been shot	
I was shot	
I got shot	
Chief Complaint – Nested Together with AND: Hit/Ricochet/Graze AND Bullet	
hit	
ricochet	
graze	
bullet	

Terms	Description
Chief Complaint – Nested Together with AND: Gun AND Wound	
gun	
wound	
Exclusion	
International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM)	
W32.___[DS]	Subsequent encounter; sequela
W33.___[DS]	Subsequent encounter; sequela
W34.00_[DS]	Subsequent encounter; sequela
W34.09_[DS]	Subsequent encounter; sequela
W34.10_[DS]	Subsequent encounter; sequela
W34.19_[DS]	Subsequent encounter; sequela
Y22.___[DS]	Subsequent encounter; sequela
Y23.___[DS]	Subsequent encounter; sequela
Y24.8__[DS]	Subsequent encounter; sequela
Y24.9__[DS]	Subsequent encounter; sequela
Z51.89	Encounter for other specified aftercare
Chief Complaint – Global Firearm Term Exclusions	
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	

Terms	Description
bibi gun	
bi bi gun	
bb pellet	
bee bee	
beebee	
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	
gswel	
gswol	
Chief Complaint – Nested Exclusions: Struck/Hit With AND Gun/Pistol	
struck	
hit with	
gun	
pistol	
Chief Complaint – Nested Exclusions: Wound AND Follow-Up/Care/Infection Terms	
wound	
check	
care	
recheck	
infection	
infected	
Chief Complaint – Nested Exclusions: Prior Firearm Injury History Terms	
gsw	
gunshot	
gun shot	
bullet	
hx	
history	
history of	
ago	
past	
prior	
previous	
old	
Chief Complaint – Local Exclusions Within Global Firearm Exclusions	
damage to nail	
minutes ago	

Table 2. ESSENCE syntax.

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(, (^;/ ]W3[23]^, andnot, (^;/ ]W3[23]___[DS]^, or, (^;/ ]W3[23]___[DS]^, ), or, (^;/ ]W34[01][09]^, or, (^;/ ]W34.[01][09]^, ), andnot, (^;/ ]W34[01][09]___[DS]^, or, (^;/ ]W34.[01][09]___[DS]^, ), or, (^;/ ]Y2[2-3]^, andnot, (^;/ ]Y2[2-3]___[DS]^, or, (^;/ ]Y2[2-3]___[DS]^, ), or, (^;/ ]Y24[89]^, or, (^;/ ]Y24.[89]^, ), andnot, (^;/ ]Y24[89]___[DS]^, or, (^;/ ]Y24.[89]___[DS]^, ), or, (^;/ ]E922.[012389]^, or, (^;/ ]E922[012389]^, or, (^;/ ]E985.[01234]^, or, (^;/ ]E985[01234]^, or, (^;/ ]218081007^, or, (^;/ ]218086002^, or, (^;/ ]218082000^, or, (^;/ ]218087006^, or, (^;/ ]218088001^, or, (^;/ ]269796009^, ), or, (^, (^UNINTENTIONAL^, OR, ^ACCIDENT^, ), AND, (^! gsw!, or, ^gunshot^, or, ^gun shot^, or, ^gunshout^, or, ^gunshoot^, or, ^buckshot^, or, ^buck shot^, or, ^revolver^, or, ^rifle^, or, ^rifle^, or, ^shotgun^, or, ^shot gun^, or, ^firearm^, or, ^fire arm^, 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, ^remove gun^, 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, ^beeb^, or, ^beebe^, or, ^rubber bullet^, 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, ^nail gun^, 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^, ), )
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