



DoD Numbers for Traumatic Brain Injury Worldwide – Totals

2012

Penetrating	242
Severe	289
Moderate	1,962
Mild	26,008
Not Classifiable	2,140

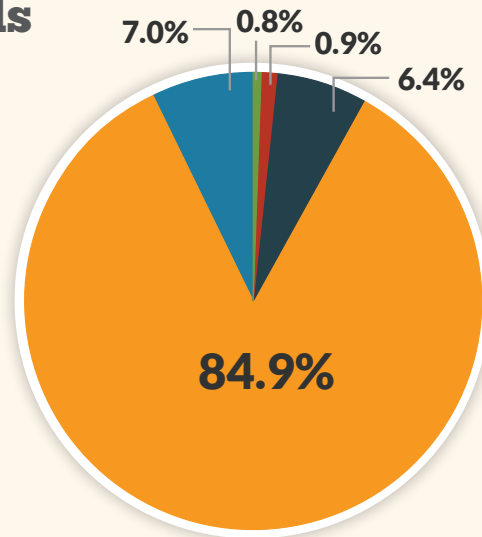
Total - All Severities 30,641

Source: Defense Medical Surveillance System (DMSS), Theater Medical Data Store (TMDS) provided by the Armed Forces Health Surveillance Center (AFHSB)

Prepared by the Defense and Veterans Brain Injury Center (DVBIC)

2012, as of Feb 17, 2017

**Percentages may not add up to 100% due to rounding*



Effective October 2015, the International Classification of Diseases was updated. With the improved information, more moderate traumatic brain injuries can be counted. Previously, some cases were categorized as “unclassifiable” severity due to more limited surveillance information. Also in 2015, the Assistant Secretary of Defense clarified the TBI case definition. A subsequent review found that some of the remaining “unclassifiable” cases were likely moderate TBI. This change also will contribute to higher counts of moderate TBI surveillance cases.

Worldwide numbers represent medical diagnoses of TBI that occurred anywhere U.S. forces are located including the continental United States since 2000.

Concussion/Mild TBI is characterized by the following: Confused or disoriented state which lasts less than 24 hours; or loss of consciousness for up to 30 minutes; or memory loss lasting less than 24 hours. Excludes penetrating TBI. A CT scan is not indicated for most patients with a Mild TBI. If obtained, it is normal.

Moderate TBI is characterized by the following: Confused or disoriented state which lasts more than 24 hours; or loss of consciousness for more than 30 minutes, but less than 24 hours; or memory loss lasting greater than 24 hours but less than seven days; or meets criteria for Mild TBI except an abnormal CT scan is present. Excludes penetrating TBI. A structural brain imaging study may be normal or abnormal.

Severe TBI is characterized by the following: Confused or disoriented state which lasts more than 24 hours; or loss of consciousness for more than 24 hours; or memory loss for more than seven days. Excludes penetrating TBI. A structural brain imaging study may be normal but usually is abnormal.

Penetrating TBI, or open head injury, is characterized by the following: A head injury in which the scalp, skull and dura mater (the outer layer of the meninges) are penetrated. Penetrating injuries can be caused by high-velocity projectiles or objects of lower velocity such as knives, or bone fragments from a skull fracture that are driven into the brain.

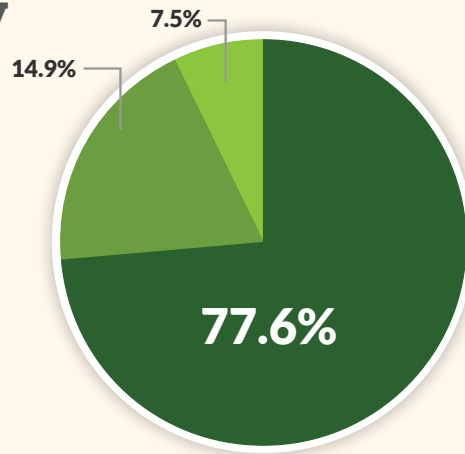


DoD Numbers for Traumatic Brain Injury Worldwide – Army

2012

Active	15,026
Guard	2,880
Reserve	1,455

Total - Army **19,361**



Source: Defense Medical Surveillance System (DMSS), Theater Medical Data Store (TMDS) provided by the Armed Forces Health Surveillance Branch (AFHSB)

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Service	Component	Severity	Diagnosed
Army	Active	Penetrating	123
		Severe	155
		Moderate	969
		Mild	12,460
		Not Classifiable	1,319
	Guard	Penetrating	20
		Severe	23
		Moderate	182
		Mild	2,437
		Not Classifiable	218
	Reserve	Penetrating	11
		Severe	20
		Moderate	82
		Mild	1,211
		Not Classifiable	131

2012, as of 17 Feb, 2017

Source: Defense Medical Surveillance System (DMSS) and Theater Medical Data Store (TMDS) provided by the Armed Forces Health Surveillance Branch (AFHSB)
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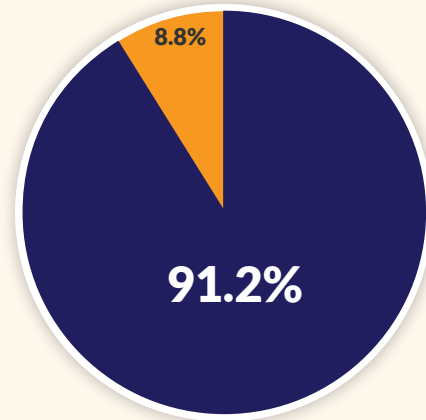


DoD Numbers for Traumatic Brain Injury Worldwide – Navy

2012

Active	3,034
Reserve	294

Total - Navy **3,328**



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2012, as of Feb 17, 2017

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Service	Component	Severity	Diagnosed
Navy	Active	Penetrating	18
		Severe	29
		Moderate	210
		Mild	2,681
		Not Classifiable	96
	Reserve	Penetrating	4
		Severe	-
		Moderate	18
		Mild	253
		Not Classifiable	19

2012, as of 17 Feb, 2017

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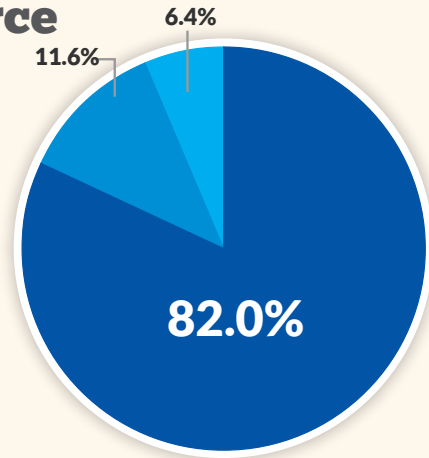


DoD Numbers for Traumatic Brain Injury Worldwide – Air Force

2012

■ Active	3,021
■ Guard	428
■ Reserve	234

Total - Air Force **3,683**



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2012, as of Feb 17, 2017

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Service	Component	Severity	Diagnosed
Air Force	Active	Penetrating	24
		Severe	16
		Moderate	187
		Mild	2,692
		Not Classifiable	102
	Guard	Penetrating	2
		Severe	4
		Moderate	29
		Mild	375
		Not Classifiable	18
	Reserve	Penetrating	2
		Severe	-
		Moderate	19
		Mild	208
		Not Classifiable	5

2012, as of 17 Feb, 2017

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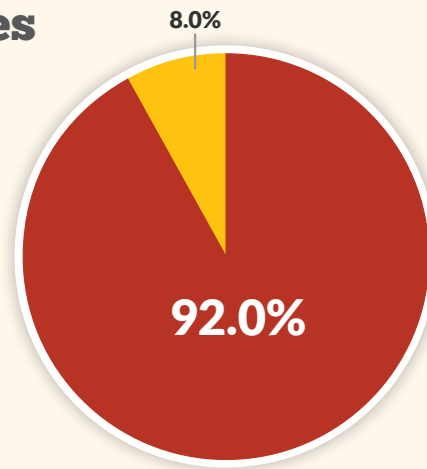


DoD Numbers for Traumatic Brain Injury Worldwide – Marines

2012

Active	3,928
Reserve	341

Total - Marines 4,269



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2012, as of Feb 17, 2017

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Service	Component	Severity	Diagnosed
Marines	Active	Penetrating	34
		Severe	41
		Moderate	242
		Mild	3,394
		Not Classifiable	217
	Reserve	Penetrating	4
		Severe	1
		Moderate	24
		Mild	297
		Not Classifiable	15

2012, as of 17 Feb, 2017

Source: Defense Medical Surveillance System (DMSS) and Theater Medical Data Store (TMDS) provided by the Armed Forces Health Surveillance Branch (AFHSB)

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