



DoD Numbers for Traumatic Brain Injury Worldwide – Totals

2011

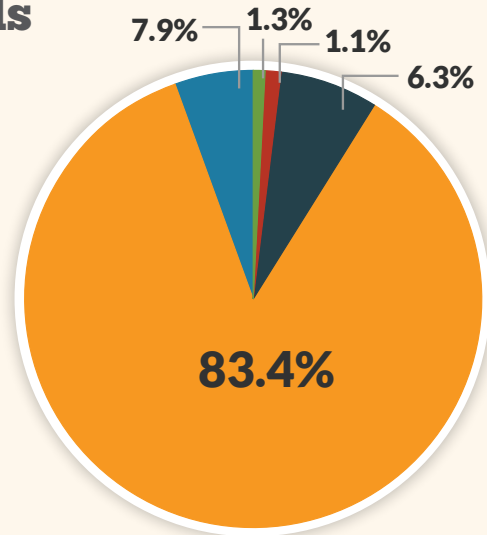
Penetrating	421
Severe	370
Moderate	2,080
Mild	27,368
Not Classifiable	2,590

Total - All Severities 32,829

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)

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



2011, as of Feb 17, 2017

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.

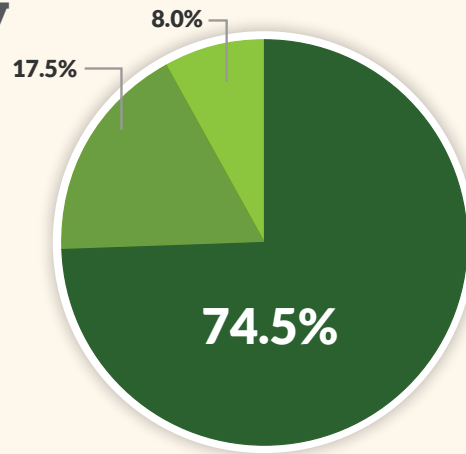


DoD Numbers for Traumatic Brain Injury Worldwide – Army

2011

Active	15,758
Guard	3,694
Reserve	1,697

Total - Army 21,149



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Service	Component	Severity	Diagnosed
Army	Active	Penetrating	241
		Severe	153
		Moderate	995
		Mild	13,093
		Not Classifiable	1,276
	Guard	Penetrating	41
		Severe	32
		Moderate	216
		Mild	2,852
		Not Classifiable	553
	Reserve	Penetrating	18
		Severe	24
		Moderate	99
		Mild	1,354
		Not Classifiable	202

2011, 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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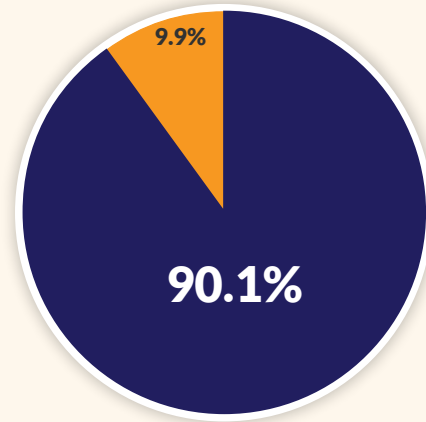


DoD Numbers for Traumatic Brain Injury Worldwide – Navy

2011

Active	2,729
Reserve	301

Total - Navy 3,030



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2011, as of Feb 17, 2017

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Service	Component	Severity	Diagnosed
Navy	Active	Penetrating	23
		Severe	23
		Moderate	174
		Mild	2,391
		Not Classifiable	118
	Reserve	Penetrating	3
		Severe	1
		Moderate	21
		Mild	259
		Not Classifiable	17

2011, as of 17 Feb, 2017

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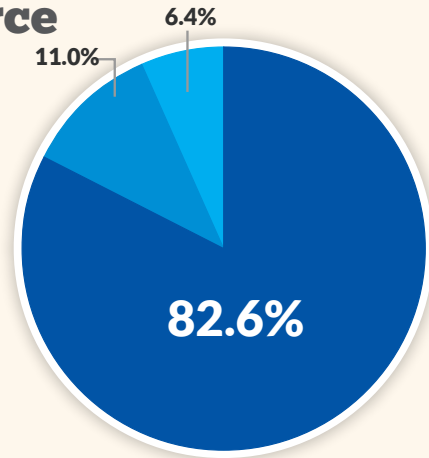


DoD Numbers for Traumatic Brain Injury Worldwide – Air Force

2011

■ Active	2,920
■ Guard	387
■ Reserve	227

Total - Air Force **3,534**



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

2011, as of Feb 17, 2017

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Service	Component	Severity	Diagnosed
Air Force	Active	Penetrating	32
		Severe	24
		Moderate	160
		Mild	2,603
		Not Classifiable	101
	Guard	Penetrating	7
		Severe	-
		Moderate	30
		Mild	337
		Not Classifiable	13
	Reserve	Penetrating	4
		Severe	2
		Moderate	11
		Mild	201
		Not Classifiable	9

2011, as of 17 Feb, 2017

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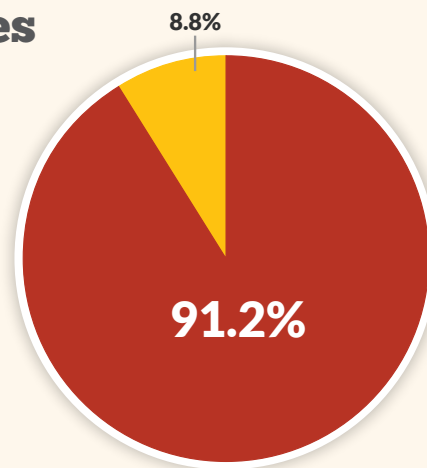


DoD Numbers for Traumatic Brain Injury Worldwide – Marines

2011

■ Active	4,665
■ Reserve	451

Total - Marines **5,116**



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

2011, as of Feb 17, 2017

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Service	Component	Severity	Diagnosed
Marines	Active	Penetrating	48
		Severe	97
		Moderate	344
		Mild	3,907
		Not Classifiable	269
	Reserve	Penetrating	4
		Severe	14
		Moderate	30
		Mild	371
		Not Classifiable	32

2011, 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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