



DoD Numbers for Traumatic Brain Injury Worldwide – Totals

2005

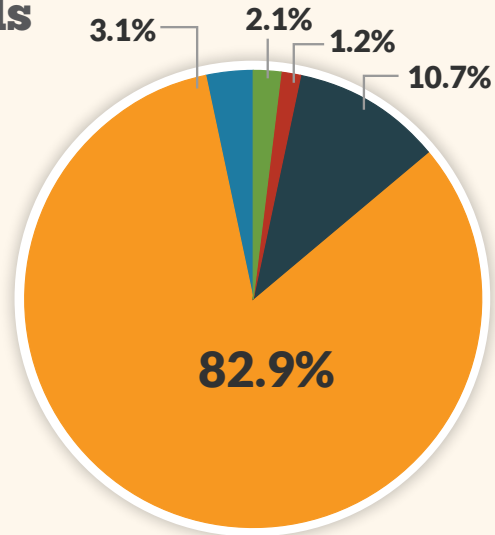
Penetrating	326
Severe	192
Moderate	1,659
Mild	12,866
Not Classifiable	485

Total - All Severities 15,528

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*



2005, 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.

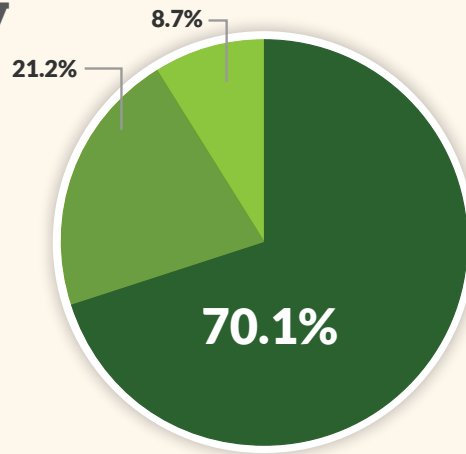


DoD Numbers for Traumatic Brain Injury Worldwide – Army

2005

Active	5,303
Guard	1,599
Reserve	658

Total - Army 7,560



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Service	Component	Severity	Diagnosed
Army	Active	Penetrating	109
		Severe	82
		Moderate	561
		Mild	4,350
		Not Classifiable	201
	Guard	Penetrating	57
		Severe	19
		Moderate	170
		Mild	1,309
		Not Classifiable	44
	Reserve	Penetrating	9
		Severe	5
		Moderate	70
		Mild	559
		Not Classifiable	15

2005, as of 17 Feb, 2017

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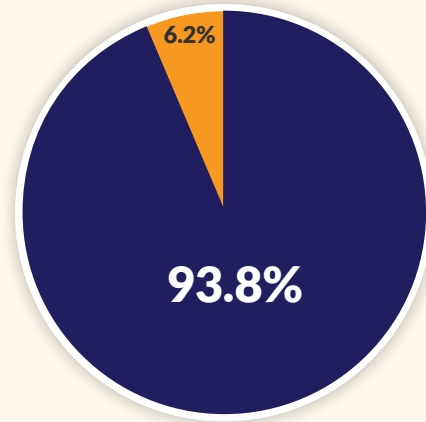


DoD Numbers for Traumatic Brain Injury Worldwide – Navy

2005

Active	2,680
Reserve	176

Total - Navy 2,856



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2005, as of Feb 17, 2017

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Service	Component	Severity	Diagnosed
Navy	Active	Penetrating	47
		Severe	29
		Moderate	331
		Mild	2,214
		Not Classifiable	59
	Reserve	Penetrating	3
		Severe	2
		Moderate	15
		Mild	153
		Not Classifiable	3

2005, as of 17 Feb, 2017

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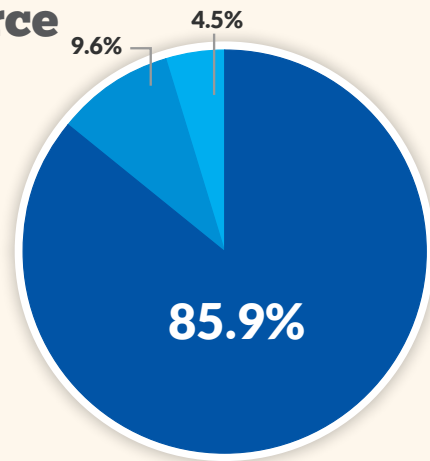


DoD Numbers for Traumatic Brain Injury Worldwide – Air Force

2005

■ Active	2,282
■ Guard	254
■ Reserve	120

Total - Air Force **2,656**



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2005, as of Feb 17, 2017

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Service	Component	Severity	Diagnosed
Air Force	Active	Penetrating	37
		Severe	23
		Moderate	199
		Mild	1,959
		Not Classifiable	64
	Guard	Penetrating	1
		Severe	1
		Moderate	23
		Mild	221
		Not Classifiable	8
	Reserve	Penetrating	-
		Severe	1
		Moderate	12
		Mild	101
		Not Classifiable	6

2005, 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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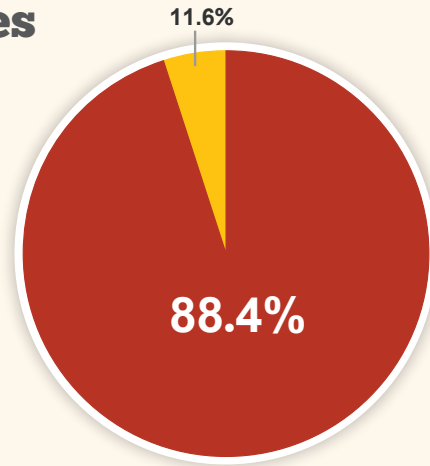


DoD Numbers for Traumatic Brain Injury Worldwide – Marines

2005

■ Active	2,172
■ Reserve	284

Total - Marines **2,456**



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2005, as of Feb 17, 2017

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Service	Component	Severity	Diagnosed
Marines	Active	Penetrating	57
		Severe	27
		Moderate	251
		Mild	1,779
		Not Classifiable	58
	Reserve	Penetrating	6
		Severe	3
		Moderate	27
		Mild	221
		Not Classifiable	27

2005, 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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