



DoD Numbers for Traumatic Brain Injury Worldwide – Totals

2015

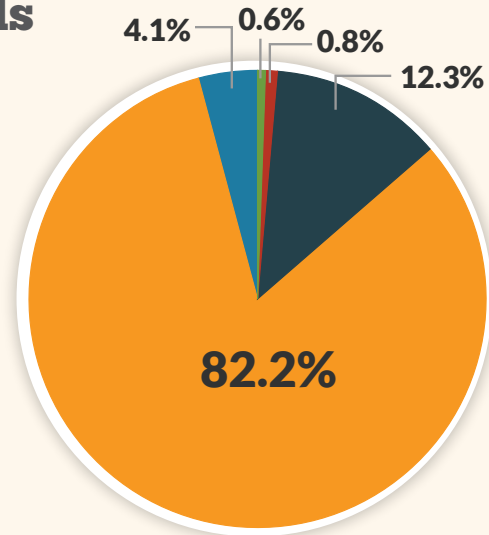
Penetrating	143
Severe	175
Moderate	2,798
Mild	18,643
Not Classifiable	928

Total - All Severities 22,687

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*



2015, 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.

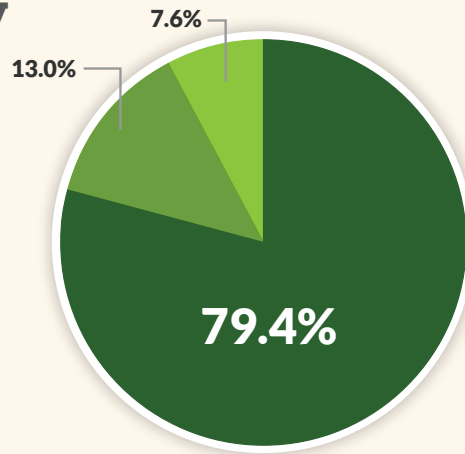


DoD Numbers for Traumatic Brain Injury Worldwide – Army

2015

Active	10,277
Guard	1,682
Reserve	983

Total - Army 12,942



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

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2015, as of Feb 17, 2017

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Service	Component	Severity	Diagnosed
Army	Active	Penetrating	64
		Severe	79
		Moderate	1,205
		Mild	8,364
		Not Classifiable	565
	Guard	Penetrating	11
		Severe	11
		Moderate	151
		Mild	1,454
		Not Classifiable	55
	Reserve	Penetrating	5
		Severe	7
		Moderate	88
		Mild	829
		Not Classifiable	54

2015, as of 17 Feb, 2017

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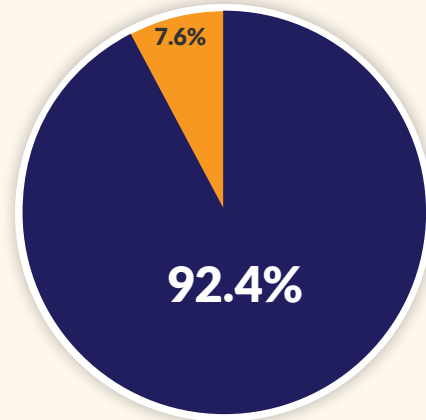


DoD Numbers for Traumatic Brain Injury Worldwide – Navy

2015

Active	3,238
Reserve	265

Total - Navy 3,503



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

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2015, as of Feb 17, 2017

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Service	Component	Severity	Diagnosed
Navy	Active	Penetrating	12
		Severe	22
		Moderate	649
		Mild	2,477
		Not Classifiable	78
	Reserve	Penetrating	1
		Severe	2
		Moderate	27
		Mild	227
		Not Classifiable	8

2015, 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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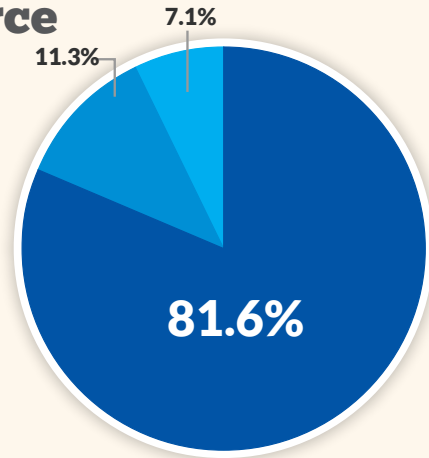


DoD Numbers for Traumatic Brain Injury Worldwide – Air Force

2015

■ Active	2,540
■ Guard	352
■ Reserve	220

Total - Air Force **3,112**



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

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2015, as of Feb 17, 2017

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Service	Component	Severity	Diagnosed
Air Force	Active	Penetrating	18
		Severe	20
		Moderate	241
		Mild	2,212
		Not Classifiable	49
	Guard	Penetrating	5
		Severe	4
		Moderate	34
		Mild	305
		Not Classifiable	4
	Reserve	Penetrating	4
		Severe	1
		Moderate	19
		Mild	190
		Not Classifiable	6

2015, 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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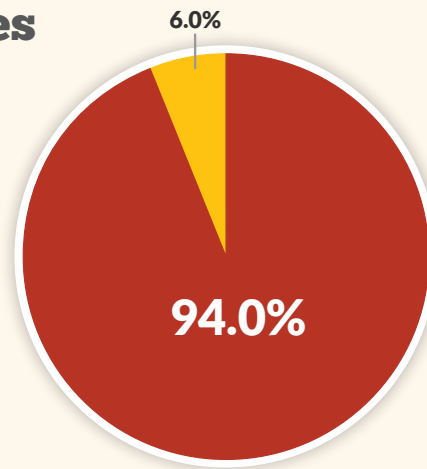


DoD Numbers for Traumatic Brain Injury Worldwide – Marines

2015

Active	2,943
Reserve	187

Total - Marines **3,130**



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

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

2015, as of Feb 17, 2017

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Service	Component	Severity	Diagnosed
Marines	Active	Penetrating	21
		Severe	26
		Moderate	362
		Mild	2,431
		Not Classifiable	103
	Reserve	Penetrating	2
		Severe	3
		Moderate	22
		Mild	154
		Not Classifiable	6

2015, 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)

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