



DoD Numbers for Traumatic Brain Injury Worldwide – Totals

2013

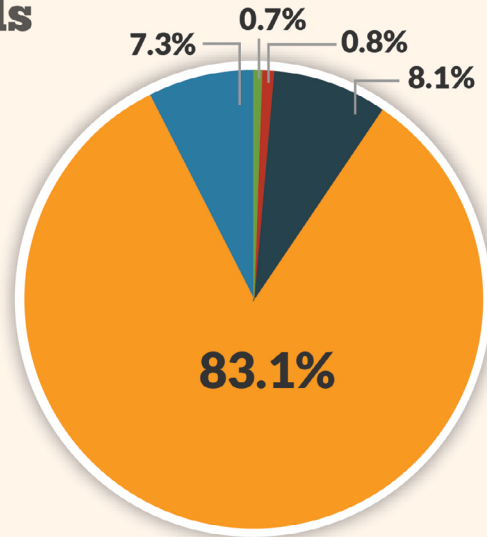
Penetrating	200
Severe	206
Moderate	2,211
Mild	22,823
Not Classifiable	2,012

Total - All Severities 27,452

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 do not add up to 100% due to rounding*



2013, as of June 21, 2018

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.

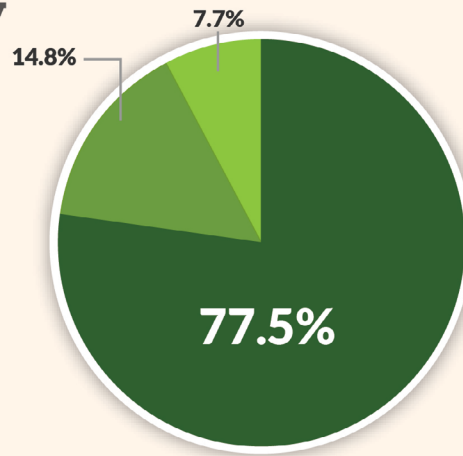


DoD Numbers for Traumatic Brain Injury Worldwide – Army

2013

Active	13,081
Guard	2,492
Reserve	1,298

Total - Army 16,871



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

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2013, as of June 21, 2018

Service	Component	Severity	Diagnosed
Army	Active	Penetrating	99
		Severe	103
		Moderate	1,130
		Mild	10,502
		Not Classifiable	1,247
	Guard	Penetrating	17
		Severe	16
		Moderate	182
		Mild	2,090
		Not Classifiable	187
	Reserve	Penetrating	6
		Severe	11
		Moderate	82
		Mild	1,048
		Not Classifiable	151

2013, as of June 21, 2018

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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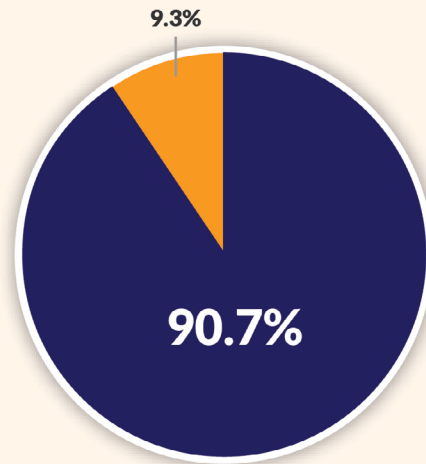


DoD Numbers for Traumatic Brain Injury Worldwide – Navy

2013

Active	3,002
Reserve	307

Total - Navy 3,309



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

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2013, as of June 21, 2018

Service	Component	Severity	Diagnosed
Navy	Active	Penetrating	24
		Severe	21
		Moderate	219
		Mild	2,637
		Not Classifiable	101
	Reserve	Penetrating	-
		Severe	1
		Moderate	28
		Mild	270
		Not Classifiable	8

2013, as of June 21, 2018

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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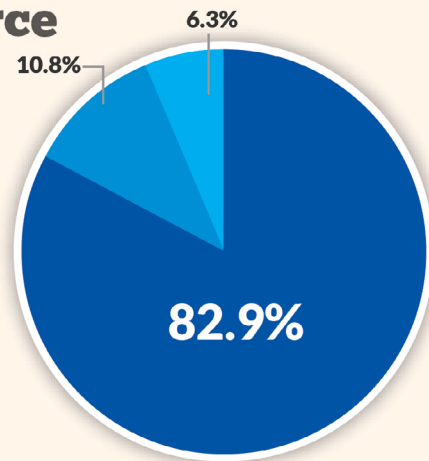


DoD Numbers for Traumatic Brain Injury Worldwide – Air Force

2013

■ Active	2,997
■ Guard	391
■ Reserve	228

Total - Air Force **3,616**



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

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2013, as of June 21, 2018

Service	Component	Severity	Diagnosed
Air Force	Active	Penetrating	21
		Severe	24
		Moderate	230
		Mild	2,620
		Not Classifiable	102
	Guard	Penetrating	3
		Severe	2
		Moderate	27
		Mild	343
		Not Classifiable	16
	Reserve	Penetrating	1
		Severe	-
		Moderate	11
		Mild	208
		Not Classifiable	8

2013, as of June 21, 2018

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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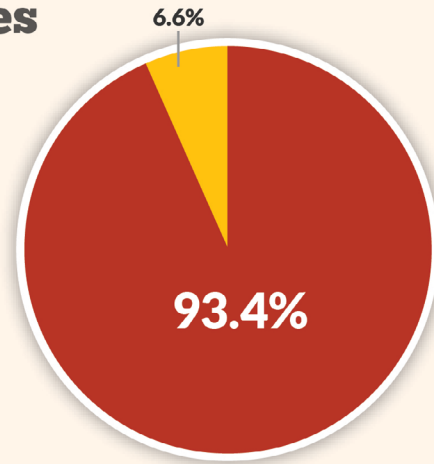


DoD Numbers for Traumatic Brain Injury Worldwide – Marines

2013

Active	3,415
Reserve	241

Total - Marines **3,656**



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)

2013, as of June 21, 2018

Service	Component	Severity	Diagnosed
Marines	Active	Penetrating	26
		Severe	27
		Moderate	282
		Mild	2,894
		Not Classifiable	186
	Reserve	Penetrating	3
		Severe	1
		Moderate	20
		Mild	211
		Not Classifiable	6

2013, as of June 21, 2018

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)