

DoD Worldwide Numbers for TBI

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DVBIC is the DoD's Office of Responsibility for tracking traumatic brain injury (TBI) data in the U.S. military. Our website provides numbers for service members diagnosed with TBI since 2000, listed in total and identified by service and injury severity. The numbers are updated each quarter.

Information posted here is collected from electronic medical records in cooperation with the [Armed Forces Health Surveillance Center](#)(link is external).

About the Data

The numbers represent medical diagnoses of TBI that occurred anywhere U.S. forces are located, including the continental U.S. The diagnosis and severity of injury were determined using ICD-9 codes. Importantly, these numbers are not all deployment-related; over 80% of TBIs are diagnosed in a non-deployed setting. Common causes of TBI include crashes in privately owned and military vehicles, falls, sports and recreation activities, and military training.



DoD Numbers for Traumatic Brain Injury Worldwide – Totals

2013

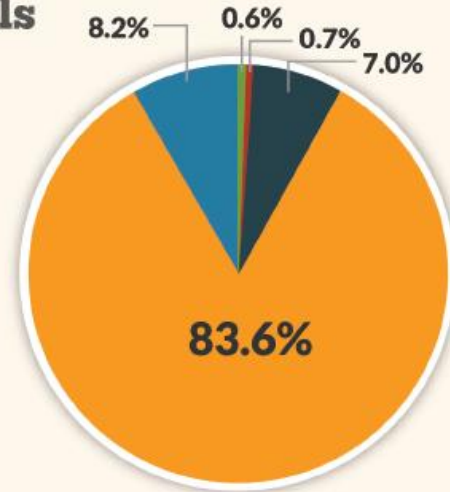
Penetrating	174
Severe	182
Moderate	1,905
Mild	22,876
Not Classifiable	2,239

Total - All Severities 27,376

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

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

Percentages do not add up to 100% due to rounding



2013 as of Dec 1, 2014

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: A confused or disoriented state which lasts less than 24 hours; loss of consciousness for up to 30 minutes; memory loss lasting less than 24 hours; and structural brain imaging (MRI or CT scan) yielding normal results.

Moderate TBI is characterized by the following: A confused or disoriented state which lasts more than 24 hours; loss of consciousness for more than 30 minutes, but less than 24 hours; memory loss lasting greater than 24 hours but less than seven days; and structural brain imaging yielding normal or abnormal results.

Severe TBI is characterized by the following: A confused or disoriented state which lasts more than 24 hours; loss of consciousness for more than 24 hours; memory loss for more than seven days; and structural brain imaging yielding normal or abnormal results.

Penetrating TBI, or open head injury, is characterized by the following: A head injury in which the dura mater, the outer layer of the meninges, is 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.

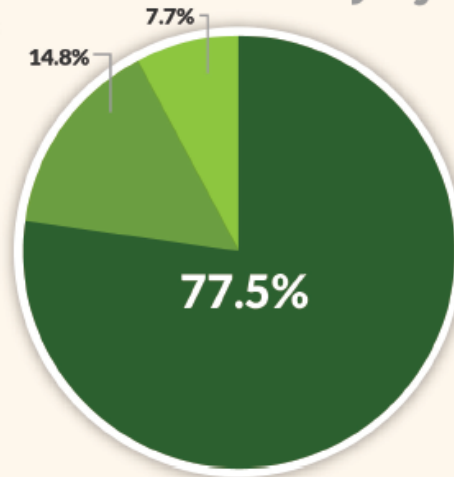


DoD Numbers for Traumatic Brain Injury Worldwide – Army

2013

Active	13,011
Guard	2,486
Reserve	1,298

Total - Army 16,795



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

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2013 as of Dec 1, 2014

Service	Component	Severity	Diagnosed
Army	Active	Penetrating	83
		Severe	95
		Moderate	937
		Mild	10,490
		Not Classifiable	1,406
	Guard	Penetrating	15
		Severe	14
		Moderate	164
		Mild	2,094
		Not Classifiable	199
	Reserve	Penetrating	5
		Severe	8
		Moderate	69
		Mild	1,052
		Not Classifiable	164

2013 as of Dec 1, 2014

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

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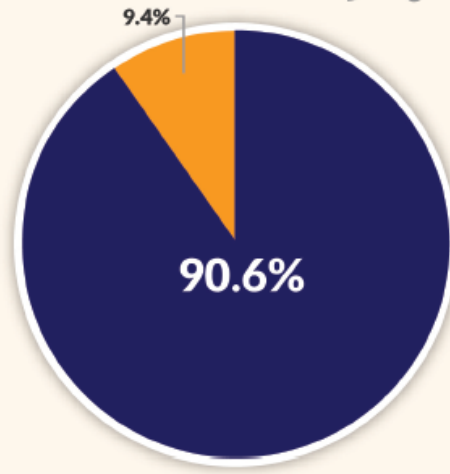


DoD Numbers for Traumatic Brain Injury Worldwide – Navy

2013

Active	2,981
Reserve	311

Total - Navy 3,292



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

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2013 as of Dec 01, 2014

Service	Component	Severity	Diagnosed
Navy	Active	Penetrating	22
		Severe	16
		Moderate	197
		Mild	2,635
		Not Classifiable	111
	Reserve	Penetrating	0
		Severe	1
		Moderate	24
		Mild	277
		Not Classifiable	9

2013 as of Dec 1, 2014

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

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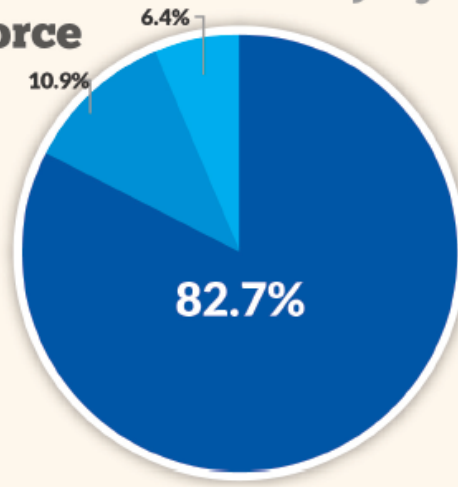


DoD Numbers for Traumatic Brain Injury Worldwide – Air Force

2013

Active	3,002
Guard	397
Reserve	231

Total - Air Force 3,630



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

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2013 as of Dec 1, 2014

Service	Component	Severity	Diagnosed
Air Force	Active	Penetrating	20
		Severe	21
		Moderate	206
		Mild	2,650
		Not Classifiable	105
	Guard	Penetrating	3
		Severe	2
		Moderate	24
		Mild	345
		Not Classifiable	23
	Reserve	Penetrating	1
		Severe	0
		Moderate	11
		Mild	210
		Not Classifiable	9

2013 as of Dec 1, 2014

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

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

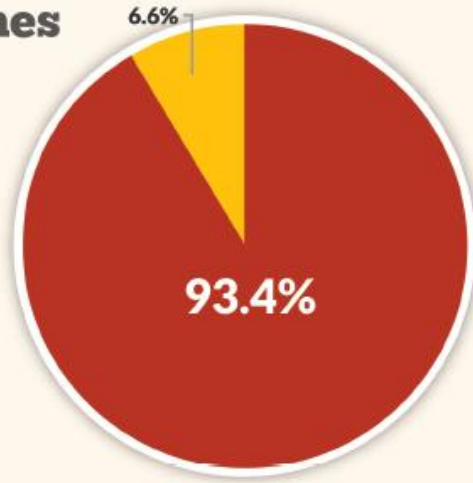


DoD Numbers for Traumatic Brain Injury Worldwide – Marines

2013

Active	3,419
Reserve	240

Total - Marines 3,659



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

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2013 as of Dec 1, 2014

Service	Component	Severity	Diagnosed
Marines	Active	Penetrating	23
		Severe	24
		Moderate	255
		Mild	2,910
		Not Classifiable	207
	Reserve	Penetrating	2
		Severe	1
		Moderate	18
		Mild	213
		Not Classifiable	6

2013 as of Dec 1, 2014

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

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