



DoD Numbers for Traumatic Brain Injury Worldwide – Totals

2016

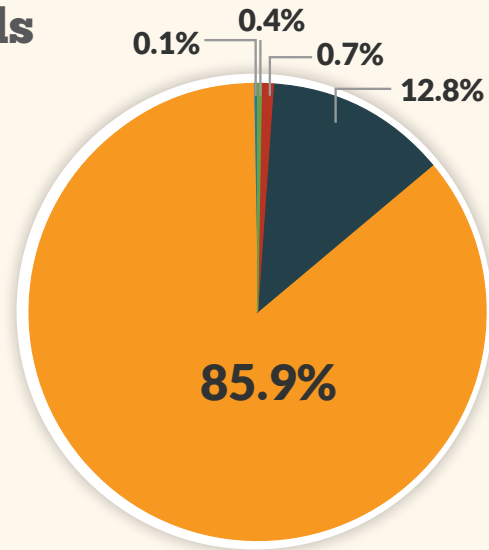
Penetrating	79
Severe	131
Moderate	2,268
Mild	15,177
Not Classifiable	17

Total - All Severities 17,672

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*



2016, 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.

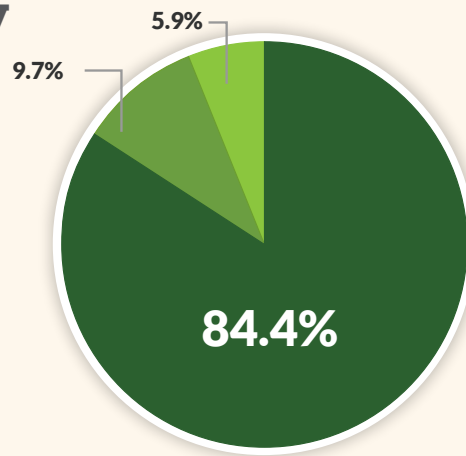


DoD Numbers for Traumatic Brain Injury Worldwide – Army

2016

Active	9,178
Guard	1,052
Reserve	639

Total - Army 10,869



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

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2016, as of Feb 17, 2017

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Service	Component	Severity	Diagnosed
Army	Active	Penetrating	34
		Severe	53
		Moderate	1,031
		Mild	8,052
		Not Classifiable	8
	Guard	Penetrating	9
		Severe	10
		Moderate	182
		Mild	848
		Not Classifiable	3
	Reserve	Penetrating	5
		Severe	8
		Moderate	100
		Mild	524
		Not Classifiable	2

2016, 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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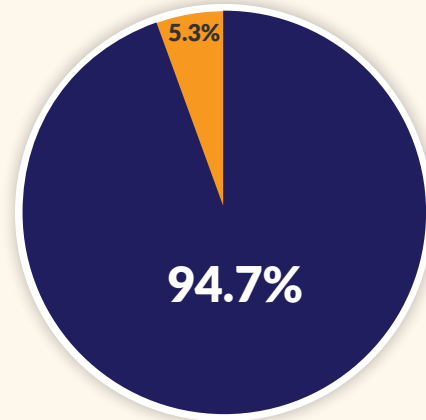


DoD Numbers for Traumatic Brain Injury Worldwide – Navy

2016

Active	2,210
Reserve	124

Total - Navy 2,334



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2016, as of Feb 17, 2017

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Service	Component	Severity	Diagnosed
Navy	Active	Penetrating	9
		Severe	15
		Moderate	327
		Mild	1,856
		Not Classifiable	3
	Reserve	Penetrating	1
		Severe	-
		Moderate	23
		Mild	100
		Not Classifiable	-

2016, 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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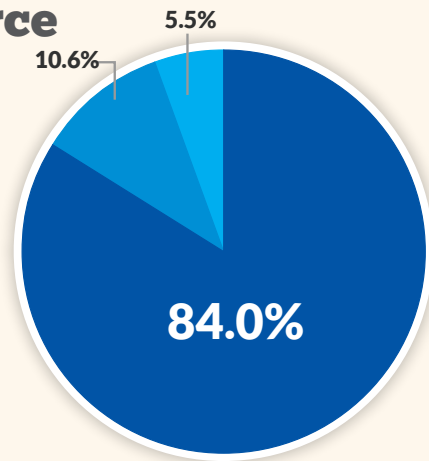


DoD Numbers for Traumatic Brain Injury Worldwide – Air Force

2016

■ Active	1,817
■ Guard	229
■ Reserve	118

Total - Air Force **2,164**



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

2016, as of Feb 17, 2017

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Service	Component	Severity	Diagnosed
Air Force	Active	Penetrating	5
		Severe	20
		Moderate	248
		Mild	1,543
		Not Classifiable	1
	Guard	Penetrating	-
		Severe	-
		Moderate	43
		Mild	186
		Not Classifiable	-
	Reserve	Penetrating	1
		Severe	2
		Moderate	24
		Mild	91
		Not Classifiable	-

2016, 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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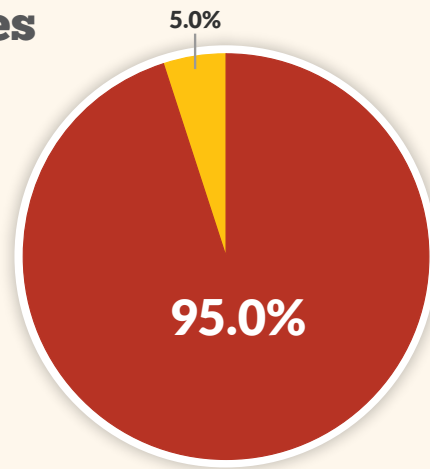


DoD Numbers for Traumatic Brain Injury Worldwide – Marines

2016

Active	2,190
Reserve	115

Total - Marines **2,305**



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

2016, as of Feb 17, 2017

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

Service	Component	Severity	Diagnosed
Marines	Active	Penetrating	15
		Severe	23
		Moderate	267
		Mild	1,885
		Not Classifiable	-
	Reserve	Penetrating	-
		Severe	-
		Moderate	23
		Mild	92
		Not Classifiable	-

2016, 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)