



DoD Numbers for Traumatic Brain Injury Worldwide – Totals

2015

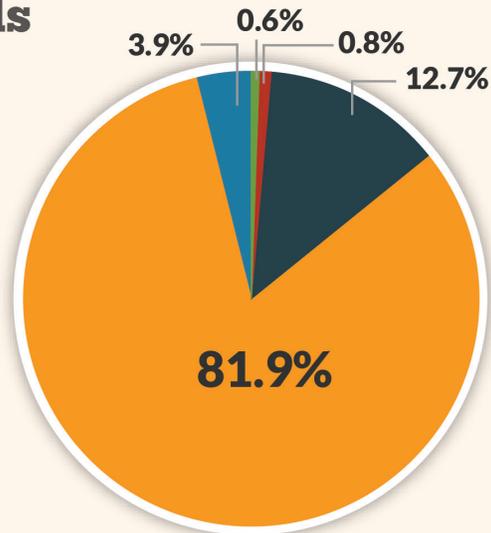
Penetrating	143
Severe	187
Moderate	2,883
Mild	18,578
Not Classifiable	881

Total - All Severities 22,672

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 do not add up to 100% due to rounding*



2015, 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.

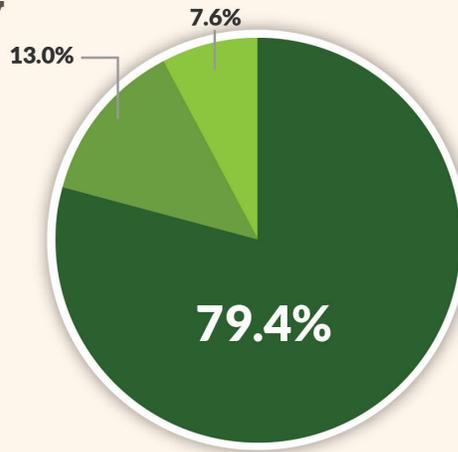


DoD Numbers for Traumatic Brain Injury Worldwide – Army

2015

Active	10,273
Guard	1,682
Reserve	987

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 June 21, 2018

Service	Component	Severity	Diagnosed
Army	Active	Penetrating	64
		Severe	83
		Moderate	1,255
		Mild	8,339
		Not Classifiable	532
	Guard	Penetrating	11
		Severe	13
		Moderate	156
		Mild	1,449
		Not Classifiable	53
	Reserve	Penetrating	5
		Severe	8
		Moderate	90
		Mild	833
		Not Classifiable	51

2015, 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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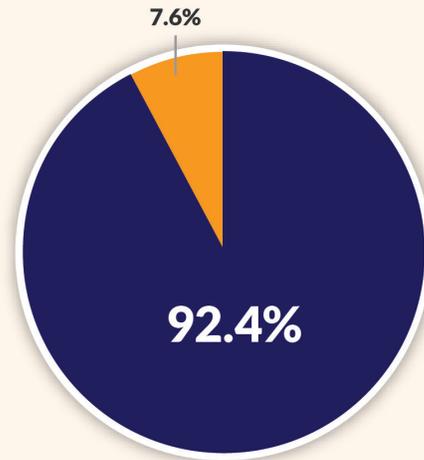


DoD Numbers for Traumatic Brain Injury Worldwide – Navy

2015

Active	3,225
Reserve	266

Total - Navy 3,491



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 June 21, 2018

Service	Component	Severity	Diagnosed
Navy	Active	Penetrating	12
		Severe	24
		Moderate	660
		Mild	2,455
		Not Classifiable	74
	Reserve	Penetrating	1
		Severe	2
		Moderate	28
		Mild	228
		Not Classifiable	7

2015, 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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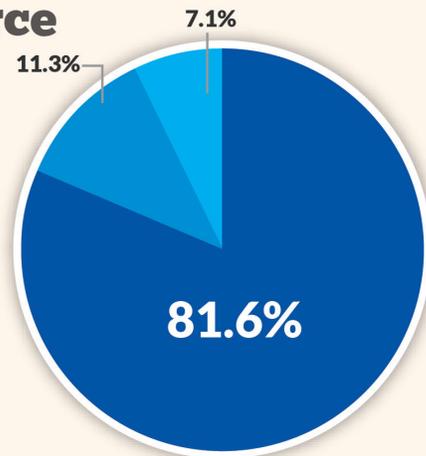


DoD Numbers for Traumatic Brain Injury Worldwide – Air Force

2015

■ Active	2,536
■ Guard	351
■ Reserve	220

Total - Air Force **3,107**



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 June 21, 2018

Service	Component	Severity	Diagnosed
Air Force	Active	Penetrating	18
		Severe	22
		Moderate	248
		Mild	2,199
		Not Classifiable	49
	Guard	Penetrating	5
		Severe	4
		Moderate	35
		Mild	303
		Not Classifiable	4
	Reserve	Penetrating	4
		Severe	1
		Moderate	19
		Mild	190
		Not Classifiable	6

2015, 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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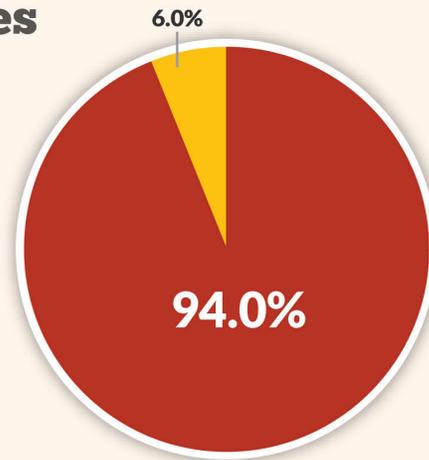


DoD Numbers for Traumatic Brain Injury Worldwide – Marines

2015

Active	2,945
Reserve	187

Total - Marines **3,132**



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 June 21, 2018

Service	Component	Severity	Diagnosed
Marines	Active	Penetrating	21
		Severe	27
		Moderate	369
		Mild	2,428
		Not Classifiable	100
	Reserve	Penetrating	2
		Severe	3
		Moderate	23
		Mild	154
		Not Classifiable	5

2015, 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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