



DoD Numbers for Traumatic Brain Injury Worldwide – Totals

2000-2016 (Q1-Q3)

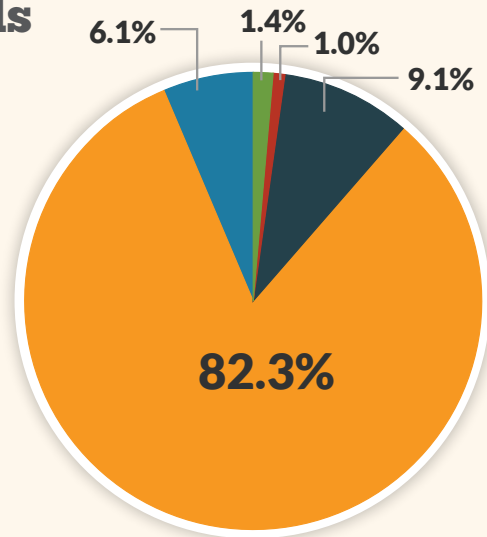
Penetrating	5,045
Severe	3,733
Moderate	32,434
Mild	294,010
Not Classifiable	21,826

Total - All Severities 357,048

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*



2000-2016 (Q1-Q3), as of Nov 10, 2016

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.

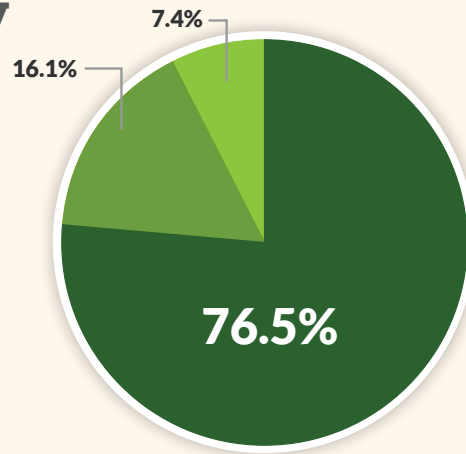


DoD Numbers for Traumatic Brain Injury Worldwide – Army

2000-2016 (Q1-Q3)

Active	159,820
Guard	33,667
Reserve	15,437

Total - Army 208,924



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2000-2016 (Q1-Q3), as of Nov 10, 2016

Service	Component	Severity	Diagnosed
Army	Active	Penetrating	2,466
		Severe	1,722
		Moderate	13,736
		Mild	129,707
		Not Classifiable	12,189
	Guard	Penetrating	479
		Severe	342
		Moderate	2,734
		Mild	27,827
		Not Classifiable	2,285
	Reserve	Penetrating	160
		Severe	166
		Moderate	1,293
		Mild	12,661
		Not Classifiable	1,157

2000-2016 (Q1-Q3), as of 10 Nov, 2016

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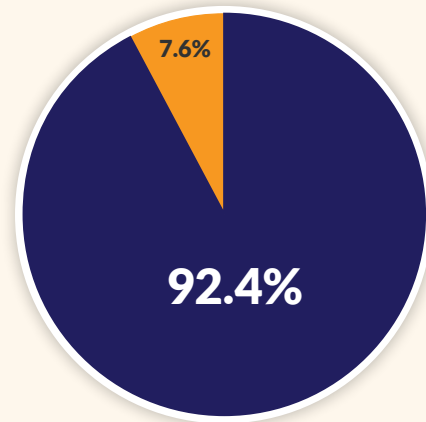


DoD Numbers for Traumatic Brain Injury Worldwide – Navy

2000-2016 (Q1-Q3)

Active	44,735
Reserve	3,669

Total - Navy 48,404



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2000-2016 (Q1-Q3) , as of Nov 10, 2016

Service	Component	Severity	Diagnosed
Navy	Active	Penetrating	575
		Severe	420
		Moderate	4,689
		Mild	36,755
		Not Classifiable	2,296
	Reserve	Penetrating	45
		Severe	29
		Moderate	343
		Mild	3,082
		Not Classifiable	170

2000-2016 (Q1-Q3), as of 10 Nov, 2016

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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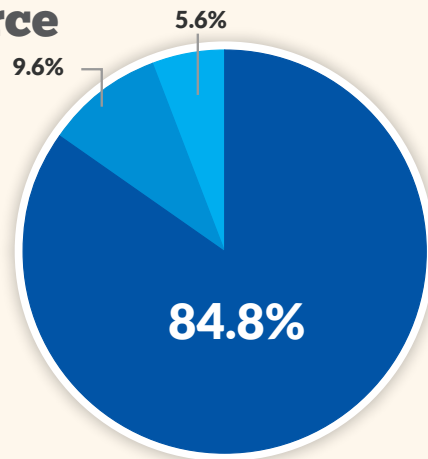


DoD Numbers for Traumatic Brain Injury Worldwide – Air Force

2000-2016 (Q1-Q3)

Active	41,243
Guard	4,650
Reserve	2,726

Total - Air Force 48,619



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)

2000-2016 (Q1-Q3), as of Nov 10, 2016

Service	Component	Severity	Diagnosed
Air Force	Active	Penetrating	480
		Severe	380
		Moderate	3,663
		Mild	35,369
		Not Classifiable	1,351
	Guard	Penetrating	51
		Severe	31
		Moderate	398
		Mild	4,014
		Not Classifiable	156
	Reserve	Penetrating	29
		Severe	23
		Moderate	235
		Mild	2,344
		Not Classifiable	95

2000-2016 (Q1-Q3), as of 10 Nov, 2016

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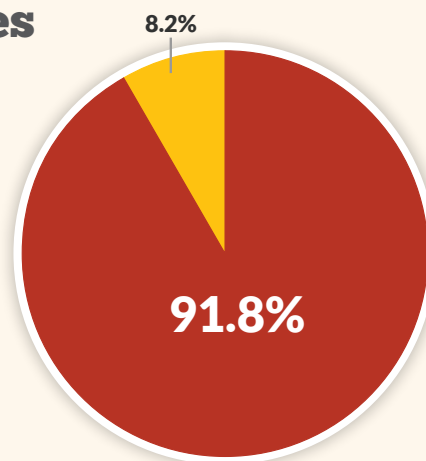


DoD Numbers for Traumatic Brain Injury Worldwide – Marines

2000-2016 (Q1-Q3)

Active	46,919
Reserve	4,182

Total - Marines **51,101**



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2000-2016 (Q1-Q3), as of Nov 10, 2016

Service	Component	Severity	Diagnosed
Marines	Active	Penetrating	695
		Severe	569
		Moderate	4,935
		Mild	38,791
		Not Classifiable	1,929
	Reserve	Penetrating	65
		Severe	51
		Moderate	408
		Mild	3,460
		Not Classifiable	198

2000-2016 (Q1-Q3), as of 10 Nov, 2016

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