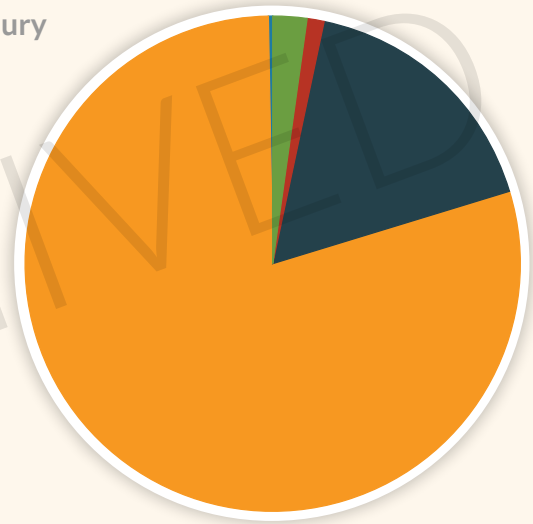
TBI Numbers By Severity – All Armed Forces

DoD Numbers for Traumatic Brain Injury

2004 Totals

Penetrating	311
Severe	146
Moderate	2,267
Mild	10,556
Not Classifiable	32
Total - All Severities	13,312



Source: Armed Forces Health Surveillance Center

Numbers for 2004, as of 20 May 2010

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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.

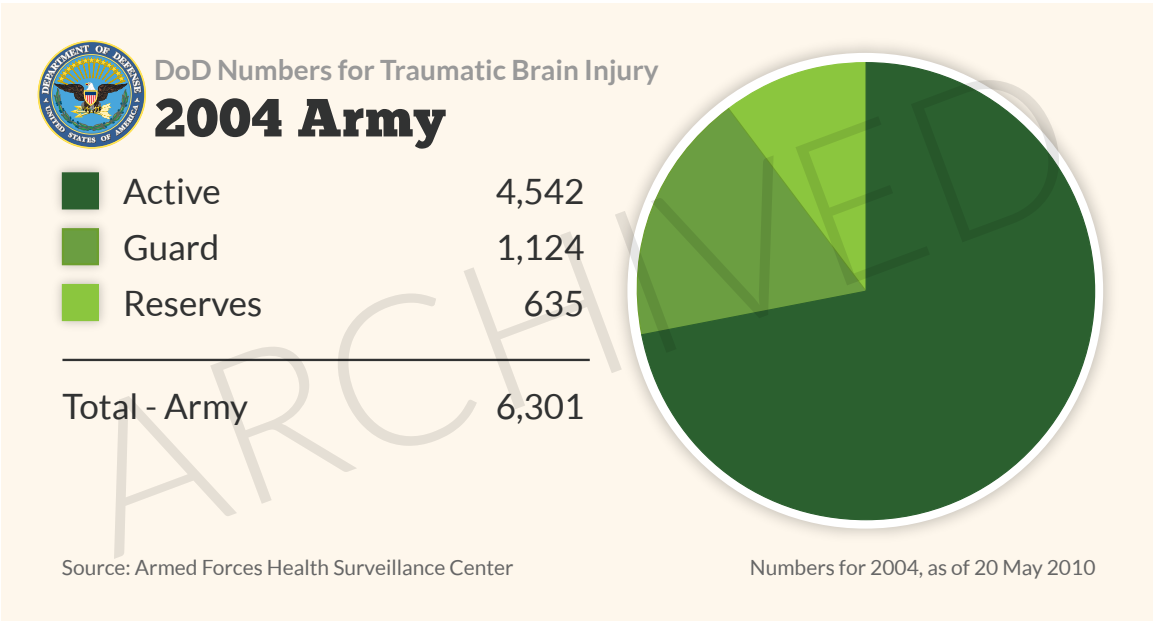
Severe TBI is characterized by the following: A confused or disoriented state which lasts more than 24 hours; loss of consciousness for more than 24 hours; memory loss for more than seven days; and structural brain imaging yielding normal or abnormal results.

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.

Numbers for 2004, as of 20 May 2010

Source: Defense Medical Surveillance System (DMSS) and Theater Medical Data Store (TMDS)
Prepared by Armed Forces Health Surveillance Center (AFHSC)

TBI Numbers By Armed Forces Branch – Army



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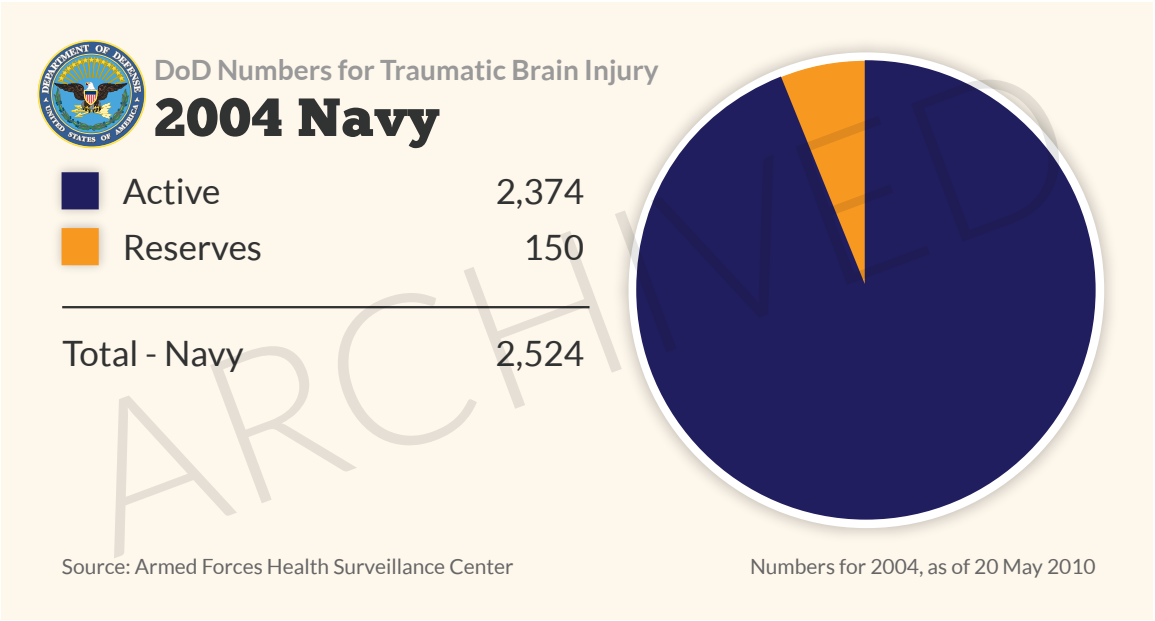
Service	Component	Severity	2004
Army	Active	Penetrating	111
		Severe	53
		Moderate	756
		Mild	3,609
		Not Classifiable	13
	Guard	Penetrating	35
		Severe	8
		Moderate	227
		Mild	853
		Not Classifiable	1
	Reserves	Penetrating	15
		Severe	8
		Moderate	119
		Mild	492
		Not Classifiable	1

Numbers for 2004, as of 20 May 2010

Source: Defense Medical Surveillance System (DMSS) and Theater Medical Data Store (TMDS)
Prepared by Armed Forces Health Surveillance Center (AFHSC)

TBI Numbers By Armed Forces Branch – Navy



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Service	Component	Severity	2004
Navy	Active	Penetrating	38
		Severe	30
		Moderate	369
		Mild	1,928
		Not Classifiable	9
	Reserves	Penetrating	8
		Severe	2
		Moderate	32
		Mild	108
		Not Classifiable	-

Numbers for 2004, as of 20 May 2010

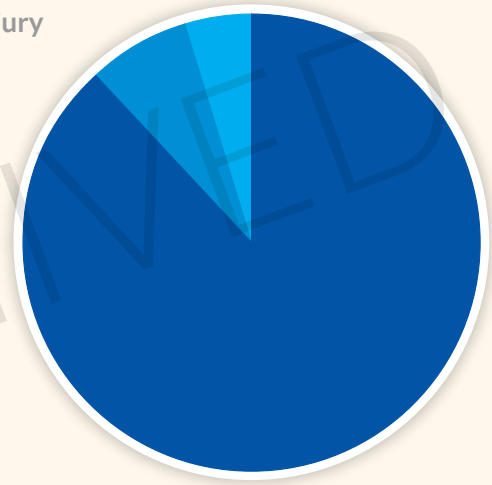
Source: Defense Medical Surveillance System (DMSS) and Theater Medical Data Store (TMDS)
Prepared by Armed Forces Health Surveillance Center (AFHSC)

TBI Numbers By Armed Forces Branch – Air Force

DoD Numbers for Traumatic Brain Injury

2004 Air Force

Active	2,248
Guard	185
Reserves	113
Total - Air Force	2,546



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Source: Armed Forces Health Surveillance Center

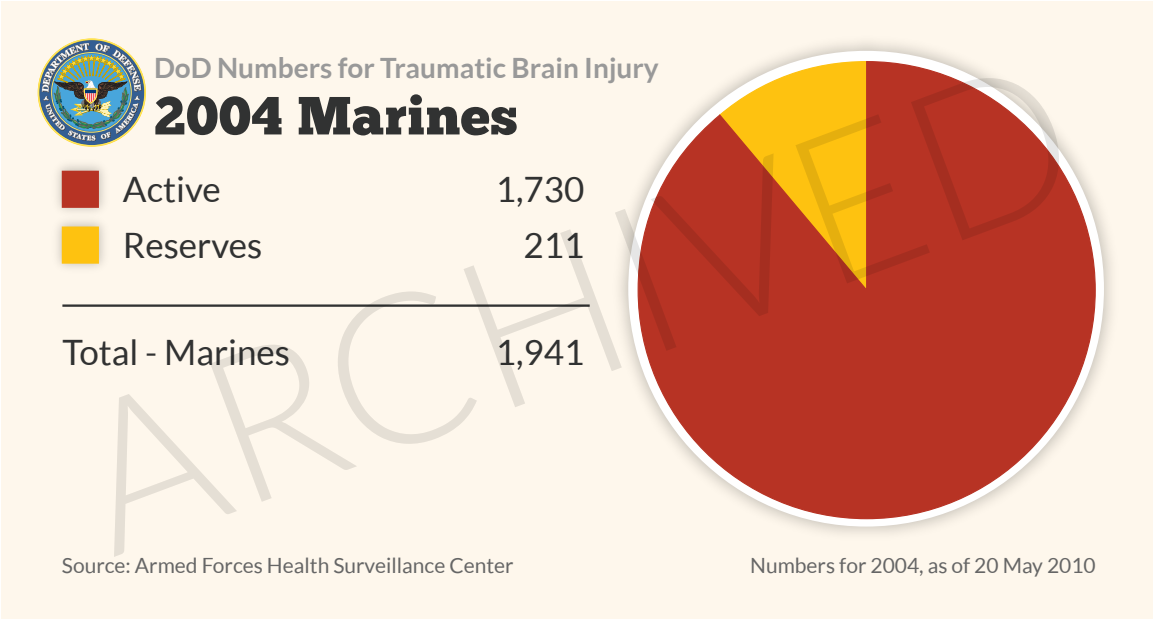
Numbers for 2004, as of 20 May 2010

Service	Component	Severity	2004
Air Force	Active	Penetrating	29
		Severe	21
		Moderate	317
		Mild	1,877
		Not Classifiable	4
	Guard	Penetrating	3
		Severe	3
		Moderate	24
		Mild	155
		Not Classifiable	-
	Reserves	Penetrating	3
		Severe	1
		Moderate	14
		Mild	95
		Not Classifiable	-

Numbers for 2004, as of 20 May 2010

Source: Defense Medical Surveillance System (DMSS) and Theater Medical Data Store (TMDS)
Prepared by Armed Forces Health Surveillance Center (AFHSC)

TBI Numbers By Armed Forces Branch – Marines



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Service	Component	Severity	2004
Marines	Active	Penetrating	61
		Severe	20
		Moderate	362
		Mild	1,283
		Not Classifiable	4
	Reserves	Penetrating	8
		Severe	-
		Moderate	47
		Mild	156
		Not Classifiable	-

Numbers for 2004, as of 20 May 2010

Source: Defense Medical Surveillance System (DMSS) and Theater Medical Data Store (TMDS)
Prepared by Armed Forces Health Surveillance Center (AFHSC)