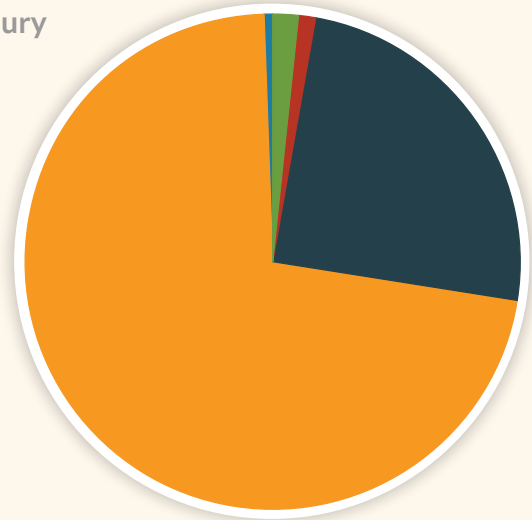
TBI Numbers By Severity – All Armed Forces

DoD Numbers for Traumatic Brain Injury

2002 Totals

Penetrating	227
Severe	148
Moderate	3,067
Mild	8,989
Not Classifiable	39
Total - All Severities	12,470



Source: Armed Forces Health Surveillance Center

Numbers for 2002, as of 20 May 2010

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.

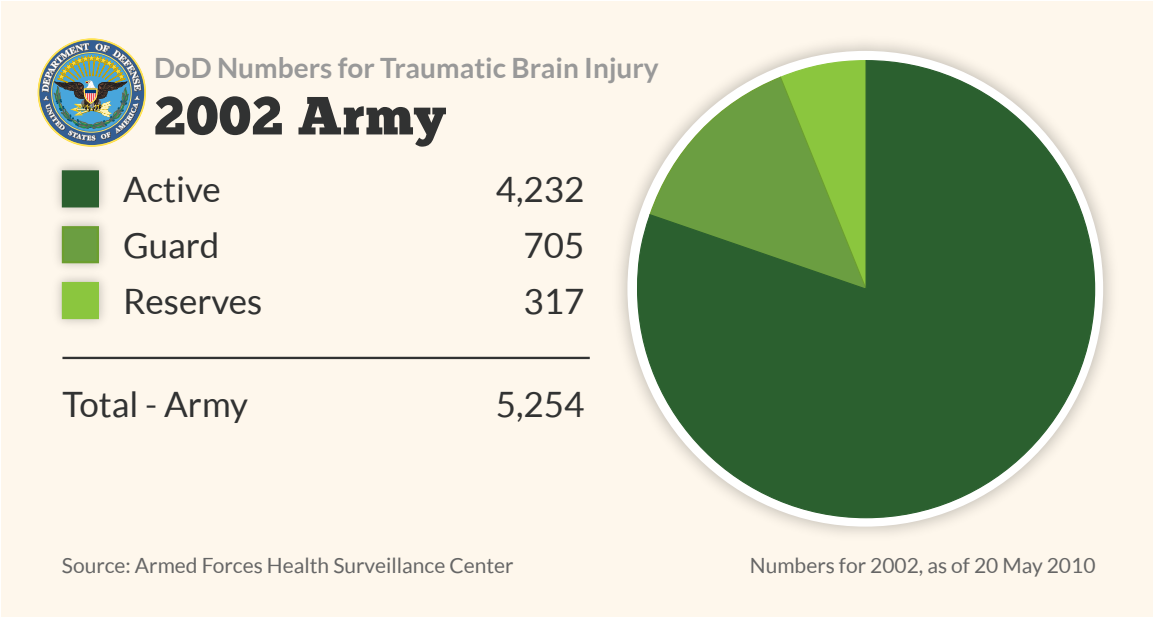
Severe TBI is characterized by the following: A confused or disoriented state which lasts more than 24 hours; loss of consciousness for more than 24 hours; memory loss for more than seven days; and structural brain imaging yielding normal or abnormal results.

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 2002, 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

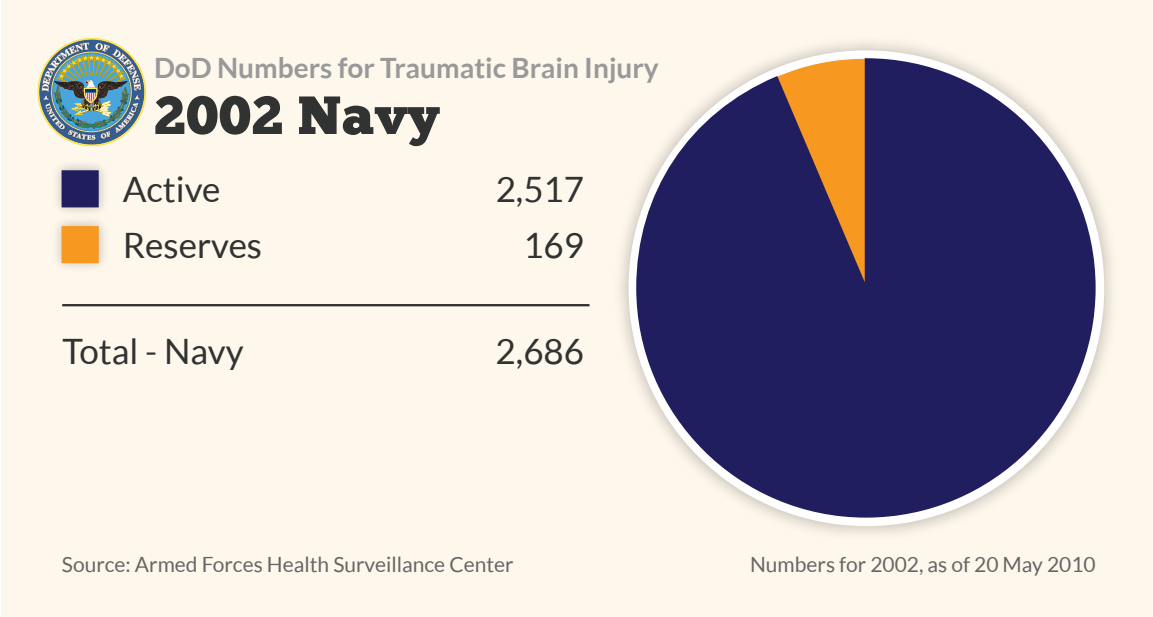


Service	Component	Severity	2002
Army	Active	Penetrating	82
		Severe	48
		Moderate	1,066
		Mild	3,029
		Not Classifiable	7
	Guard	Penetrating	17
		Severe	10
		Moderate	173
		Mild	502
		Not Classifiable	3
	Reserves	Penetrating	4
		Severe	-
		Moderate	75
		Mild	236
		Not Classifiable	2

Numbers for 2002, 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



Service	Component	Severity	2002
Navy	Active	Penetrating	53
		Severe	27
		Moderate	678
		Mild	1,753
		Not Classifiable	6
	Reserves	Penetrating	4
		Severe	5
		Moderate	35
		Mild	125
		Not Classifiable	-

Numbers for 2002, as of 20 May 2010

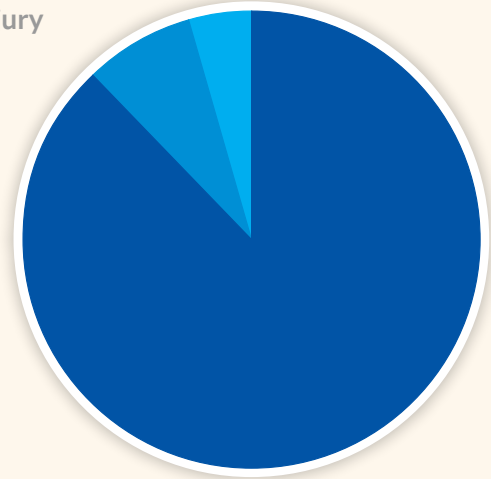
Source: Defense Medical Surveillance System (DMSS) and Theater Medical Data Store (TMDS)
Prepared by Armed Forces Health Surveillance Center (AFHSC)

TBI Numbers By Armed Forces Branch – Air Force

DoD Numbers for Traumatic Brain Injury

2002 Air Force

Active	2,160
Guard	186
Reserves	109
Total - Air Force	2,455



Source: Armed Forces Health Surveillance Center

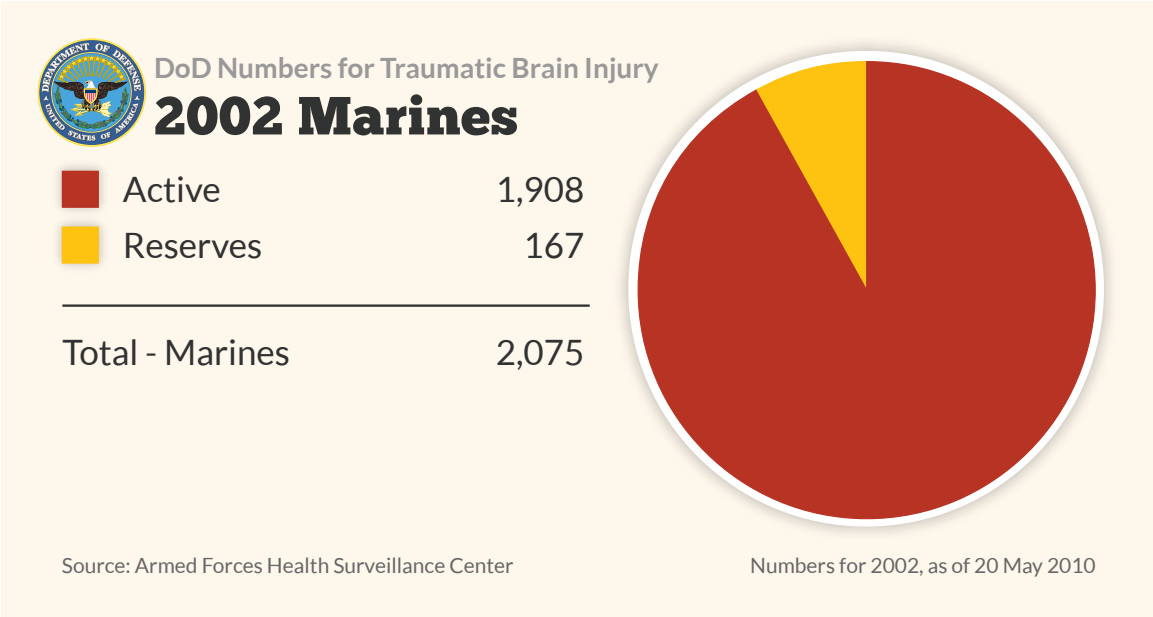
Numbers for 2002, as of 20 May 2010

Service	Component	Severity	2002
Air Force	Active	Penetrating	33
		Severe	23
		Moderate	428
		Mild	1,662
		Not Classifiable	14
	Guard	Penetrating	4
		Severe	1
		Moderate	41
		Mild	140
		Not Classifiable	-
	Reserves	Penetrating	2
		Severe	3
		Moderate	21
		Mild	83
		Not Classifiable	-

Numbers for 2002, 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



Service	Component	Severity	2002
Marines	Active	Penetrating	25
		Severe	30
		Moderate	513
		Mild	1,333
		Not Classifiable	7
	Reserves	Penetrating	3
		Severe	1
		Moderate	37
		Mild	126
		Not Classifiable	-

Numbers for 2002, 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)