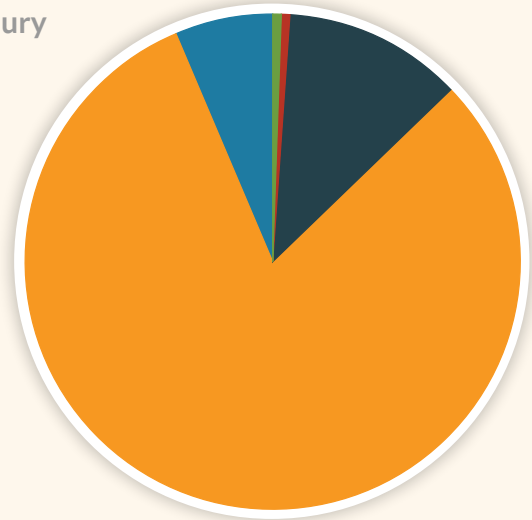
TBI Numbers By Severity – All Armed Forces

DoD Numbers for Traumatic Brain Injury

2010 Q4 Totals

Penetrating	254
Severe	201
Moderate	3,683
Mild	24,846
Not Classifiable	1,719
Total - All Severities	30,703



Source: Armed Forces Health Surveillance Center

Numbers for 2010 Q4, as of 17 Feb 2011

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.

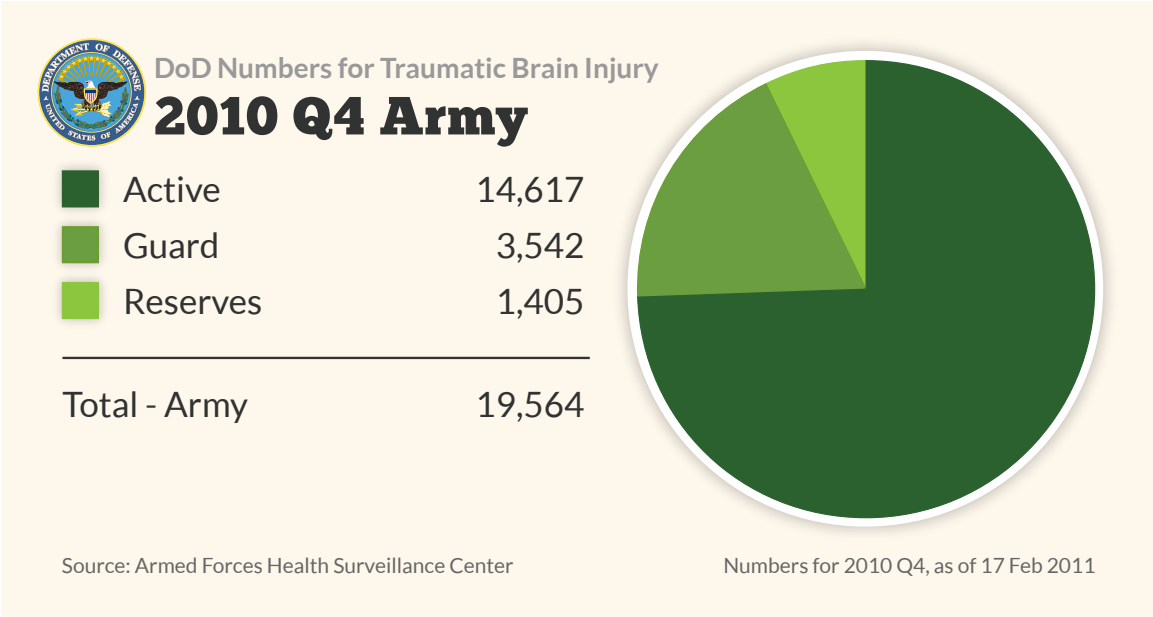
Severe TBI is characterized by the following: A confused or disoriented state which lasts more than 24 hours; loss of consciousness for more than 24 hours; memory loss for more than seven days; and structural brain imaging yielding normal or abnormal results.

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 2010 Q4, as of 17 Feb 2011

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

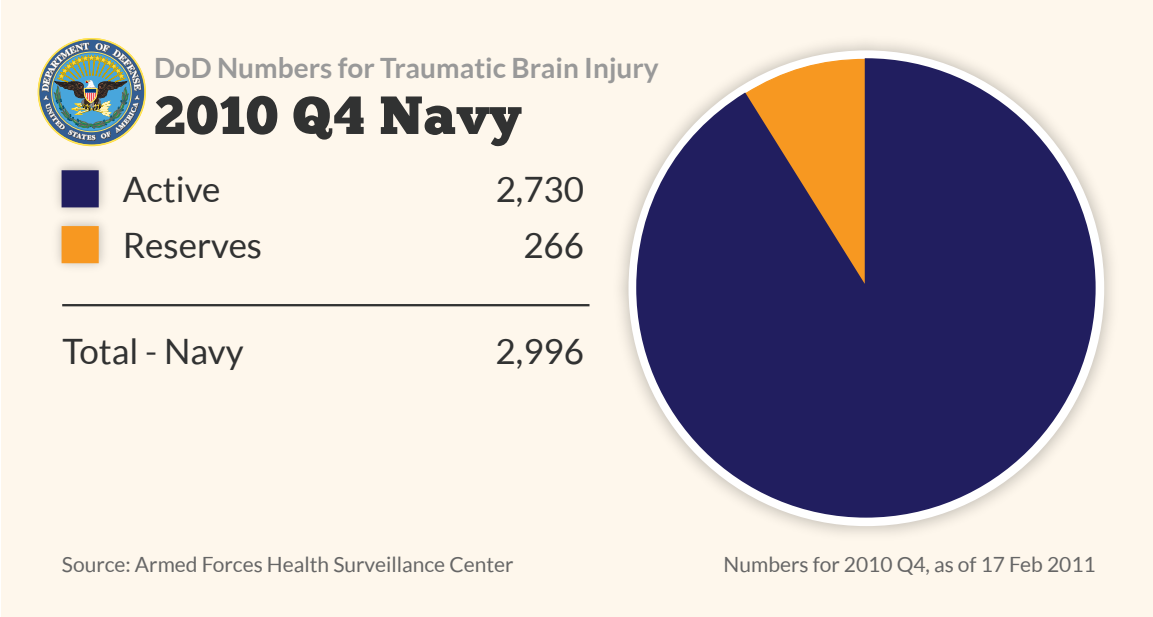


Service	Component	Severity	2010 Q4
Army	Active	Penetrating	131
		Severe	105
		Moderate	1,761
		Mild	11,405
		Not Classifiable	1,215
	Guard	Penetrating	32
		Severe	29
		Moderate	461
		Mild	2,840
		Not Classifiable	180
	Reserves	Penetrating	8
		Severe	12
		Moderate	189
		Mild	1,095
		Not Classifiable	101

Numbers for 2010 Q4, as of 17 Feb 2011

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

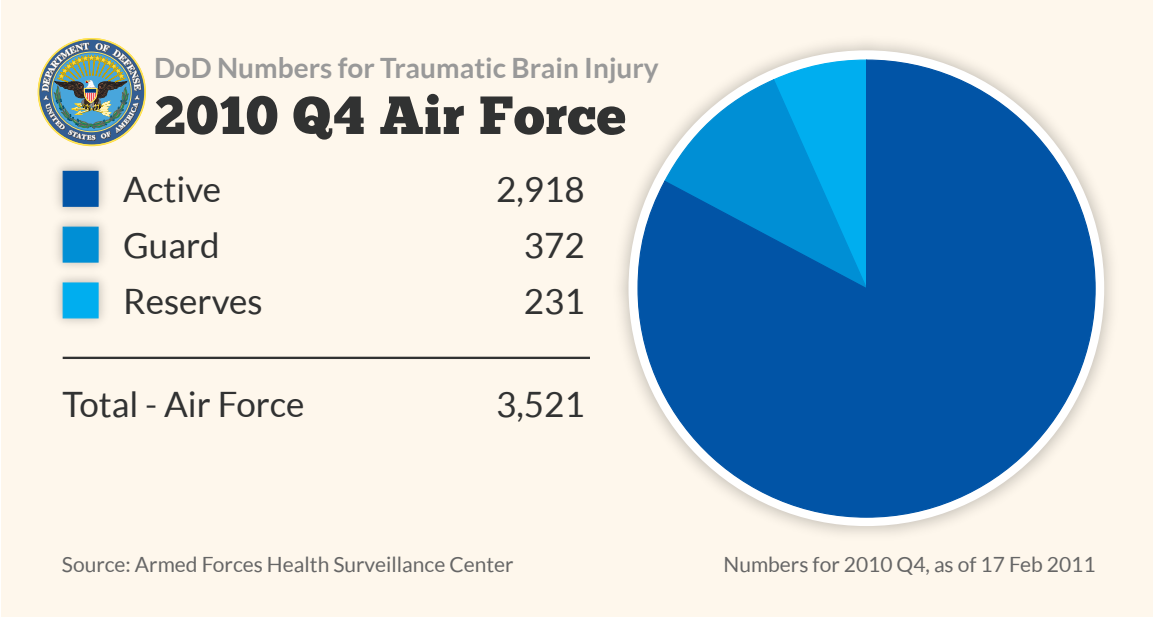


Service	Component	Severity	2010 Q4
Navy	Active	Penetrating	16
		Severe	13
		Moderate	269
		Mild	2,385
		Not Classifiable	47
	Reserves	Penetrating	3
		Severe	1
		Moderate	33
		Mild	227
		Not Classifiable	2

Numbers for 2010 Q4, as of 17 Feb 2011

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

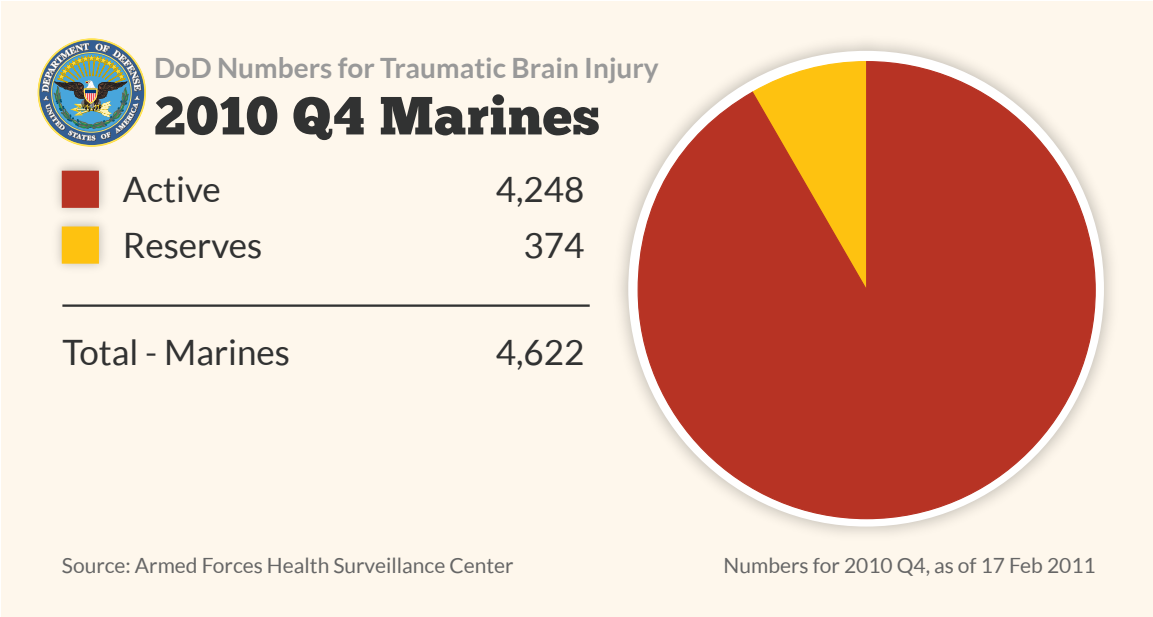


Service	Component	Severity	2010 Q4
Air Force	Active	Penetrating	20
		Severe	12
		Moderate	277
		Mild	2,558
		Not Classifiable	51
	Guard	Penetrating	4
		Severe	1
		Moderate	42
		Mild	323
		Not Classifiable	2
	Reserves	Penetrating	3
		Severe	3
		Moderate	35
		Mild	188
		Not Classifiable	2

Numbers for 2010 Q4, as of 17 Feb 2011

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	2010 Q4
Marines	Active	Penetrating	32
		Severe	21
		Moderate	562
		Mild	3,520
		Not Classifiable	113
	Reserves	Penetrating	5
		Severe	4
		Moderate	54
		Mild	305
		Not Classifiable	6

Numbers for 2010 Q4, as of 17 Feb 2011

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