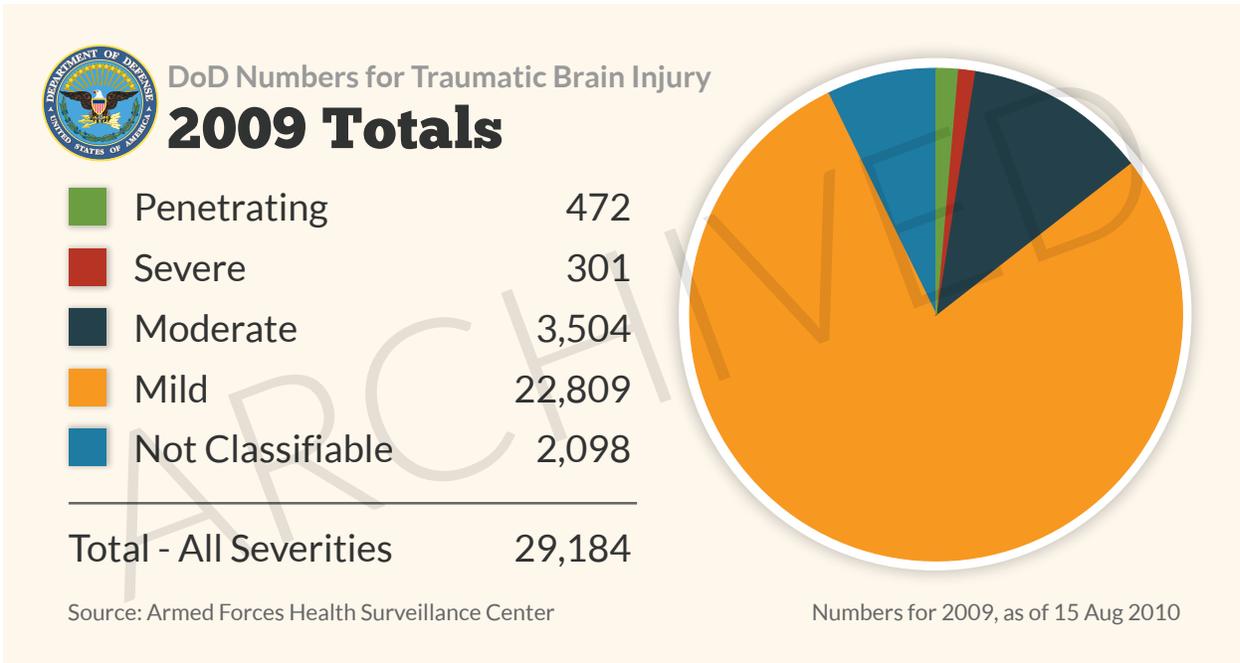


## TBI Numbers By Severity – All Armed Forces



**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.

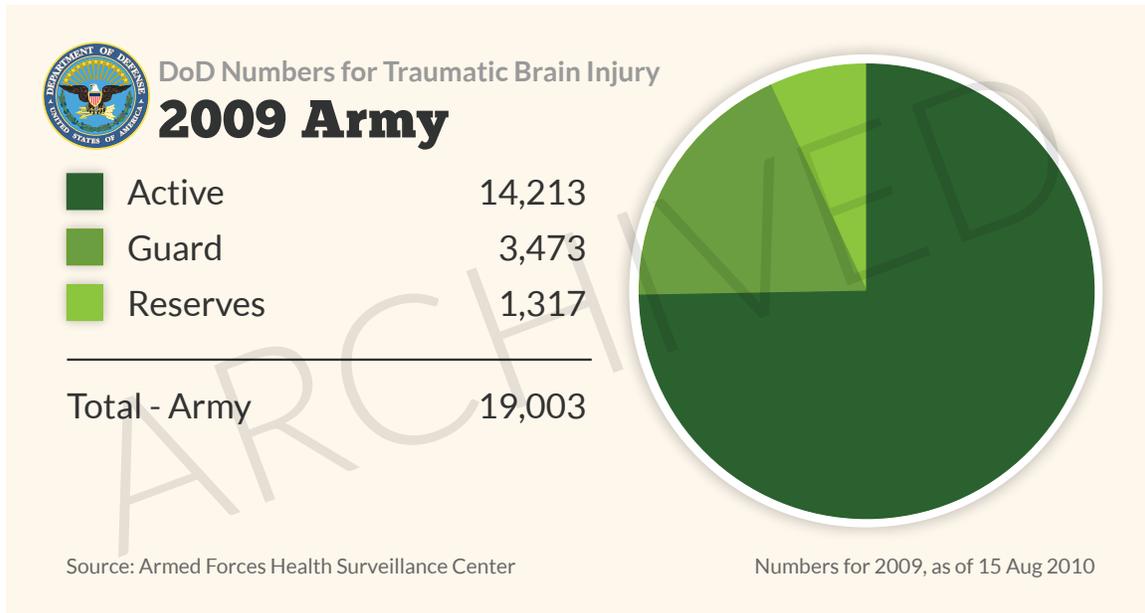
**Severe TBI is characterized by the following:** A confused or disoriented state which lasts more than 24 hours; loss of consciousness for more than 24 hours; memory loss for more than seven days; and structural brain imaging yielding normal or abnormal results.

**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 2009, as of 15 August 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

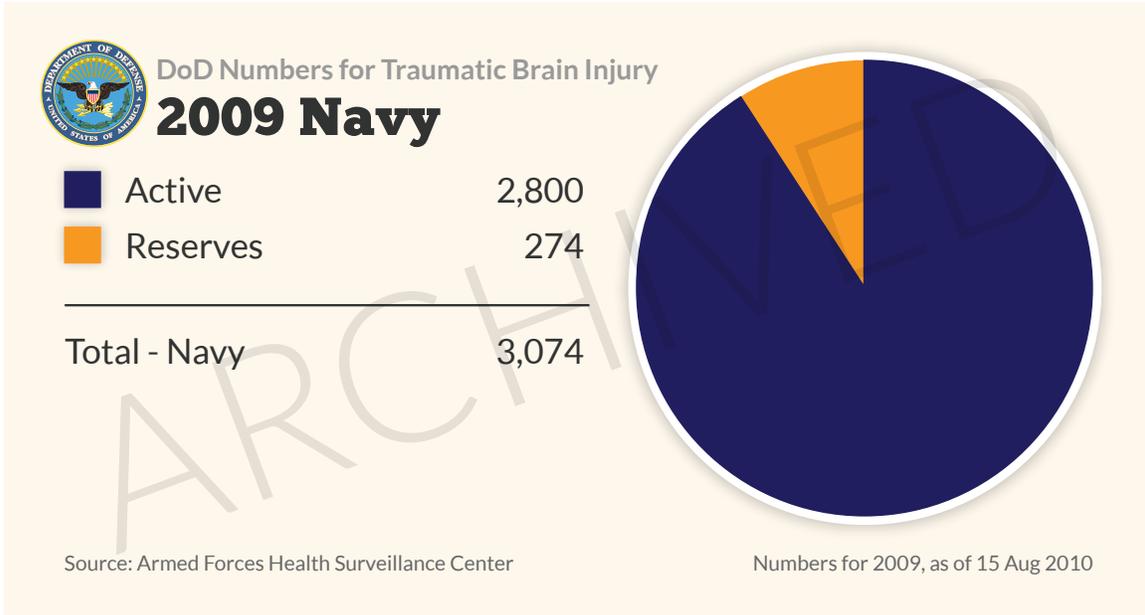


Service	Component	Severity	2009
Army	Active	Penetrating	297
		Severe	157
		Moderate	1,702
		Mild	10,355
		Not Classifiable	1,702
	Guard	Penetrating	64
		Severe	41
		Moderate	499
		Mild	2,720
		Not Classifiable	149
	Reserves	Penetrating	15
		Severe	12
		Moderate	192
		Mild	1,017
		Not Classifiable	81

Numbers for 2009, as of 15 August 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

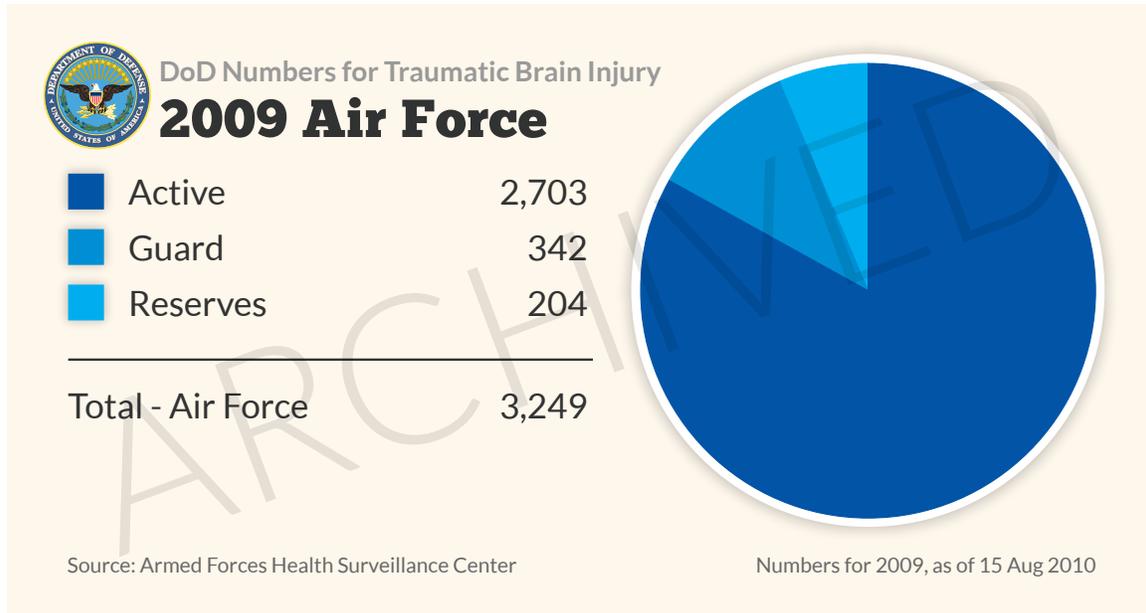


Service	Component	Severity	2009
Navy	Active	Penetrating	24
		Severe	16
		Moderate	273
		Mild	2,439
		Not Classifiable	48
	Reserves	Penetrating	2
		Severe	3
		Moderate	42
		Mild	225
		Not Classifiable	2

*Numbers for 2009, as of 15 August 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

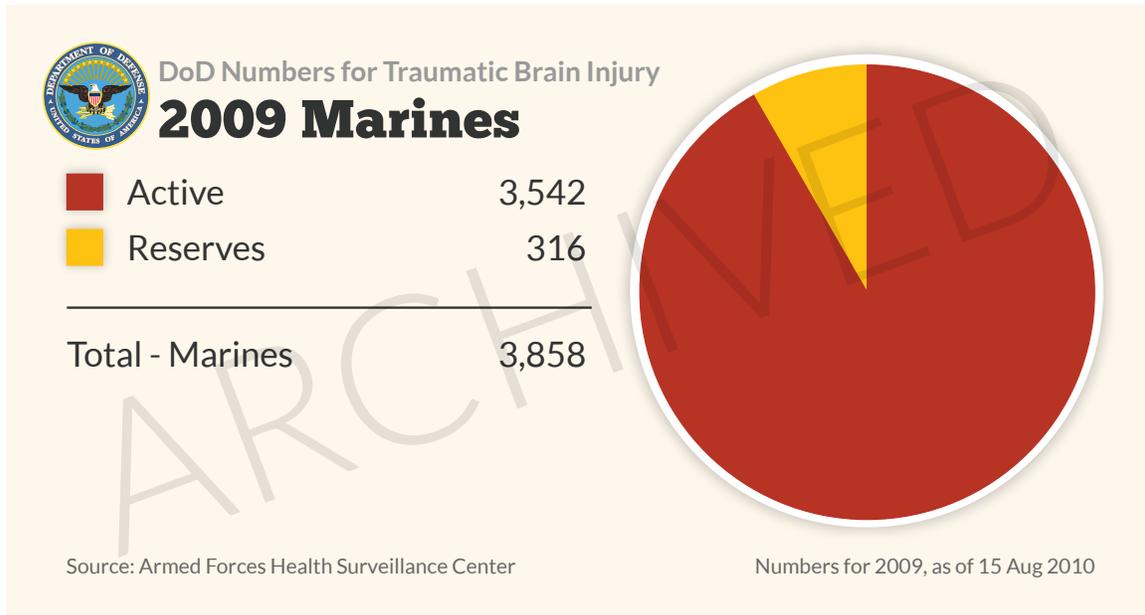


Service	Component	Severity	2009
Air Force	Active	Penetrating	25
		Severe	22
		Moderate	274
		Mild	2,361
		Not Classifiable	21
	Guard	Penetrating	2
		Severe	1
		Moderate	35
		Mild	300
		Not Classifiable	4
	Reserves	Penetrating	1
		Severe	3
		Moderate	28
		Mild	169
		Not Classifiable	3

Numbers for 2009, as of 15 August 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	2009
Marines	Active	Penetrating	40
		Severe	45
		Moderate	419
		Mild	2,959
		Not Classifiable	79
	Reserves	Penetrating	2
		Severe	1
		Moderate	40
		Mild	264
		Not Classifiable	9

*Numbers for 2009, as of 15 August 2010*

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