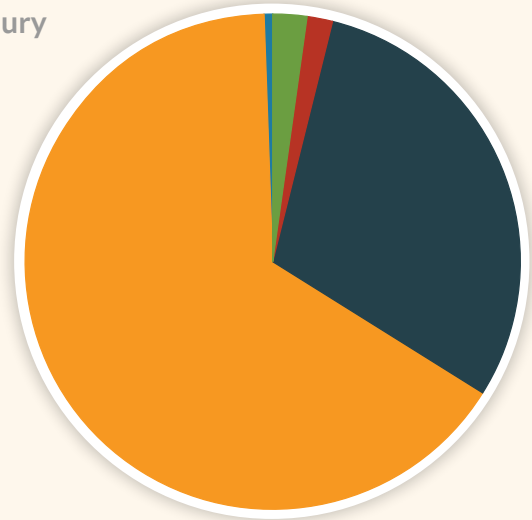
# TBI Numbers By Severity – All Armed Forces

DoD Numbers for Traumatic Brain Injury

## 2001 Totals

| | |
|---|---|
| Penetrating | 291 |
| Severe | 186 |
| Moderate | 3,543 |
| Mild | 7,771 |
| Not Classifiable | 39 |
| Total - All Severities | 11,830 |



Source: Armed Forces Health Surveillance Center

Numbers for 2001, 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.

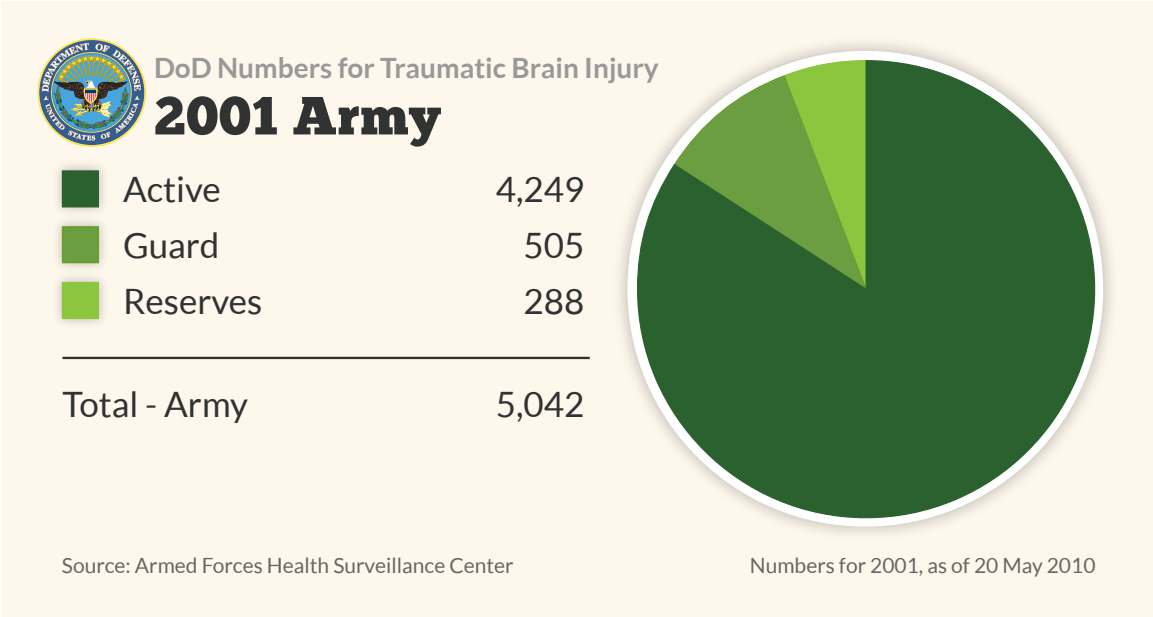
**Severe TBI is characterized by the following:** A confused or disoriented state which lasts more than 24 hours; loss of consciousness for more than 24 hours; memory loss for more than seven days; and structural brain imaging yielding normal or abnormal results.

**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 2001, 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

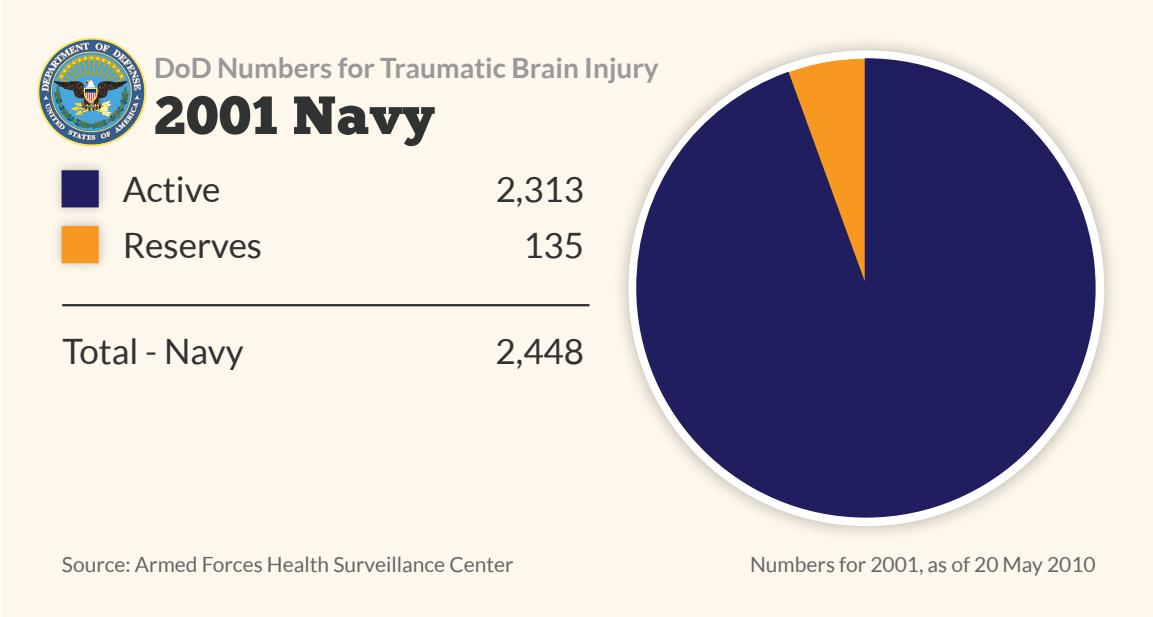



| Service | Component | Severity | 2001 |
|---|---|---|---|
| Army | Active | Penetrating | 98 |
| | | Severe | 73 |
| | | Moderate | 1,212 |
| | | Mild | 2,847 |
| | | Not Classifiable | 19 |
| | Guard | Penetrating | 11 |
| | | Severe | 8 |
| | | Moderate | 131 |
| | | Mild | 352 |
| | | Not Classifiable | 3 |
| | Reserves | Penetrating | 7 |
| | | Severe | 4 |
| | | Moderate | 74 |
| | | Mild | 202 |
| | | Not Classifiable | 1 |

*Numbers for 2001, 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 | 2001 |
|---|---|---|---|
| Navy | Active | Penetrating | 73 |
| | | Severe | 35 |
| | | Moderate | 817 |
| | | Mild | 1,383 |
| | | Not Classifiable | 5 |
| | Reserves | Penetrating | 2 |
| | | Severe | 2 |
| | | Moderate | 51 |
| | | Mild | 80 |
| | | Not Classifiable | - |

*Numbers for 2001, as of 20 May 2010*

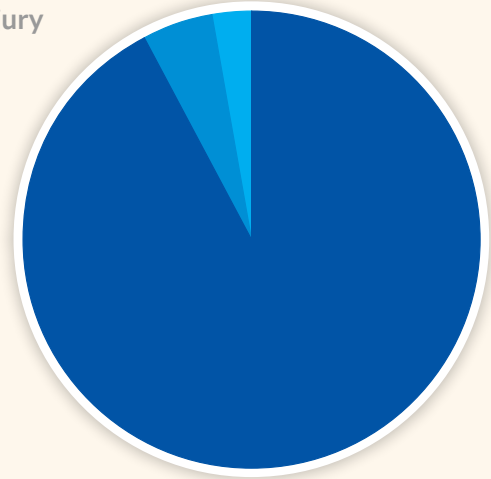
Source: Defense Medical Surveillance System (DMSS) and Theater Medical Data Store (TMDS)
Prepared by Armed Forces Health Surveillance Center (AFHSC)

# TBI Numbers By Armed Forces Branch – Air Force

DoD Numbers for Traumatic Brain Injury

## 2001 Air Force

| | |
|---|---|
| Active | 2,215 |
| Guard | 124 |
| Reserves | 62 |
| Total - Air Force | 2,401 |



Source: Armed Forces Health Surveillance Center

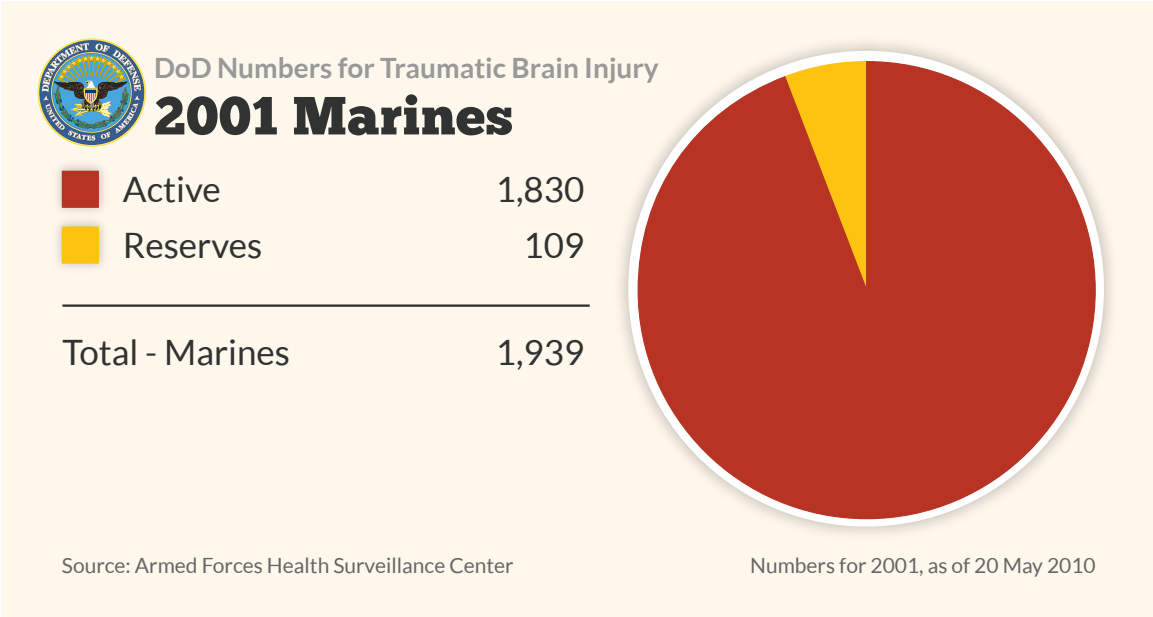
Numbers for 2001, as of 20 May 2010

| Service | Component | Severity | 2001 |
|---|---|---|---|
| Air Force | Active | Penetrating | 47 |
| | | Severe | 26 |
| | | Moderate | 558 |
| | | Mild | 1,580 |
| | | Not Classifiable | 4 |
| | Guard | Penetrating | 3 |
| | | Severe | 1 |
| | | Moderate | 35 |
| | | Mild | 83 |
| | | Not Classifiable | 2 |
| | Reserves | Penetrating | 1 |
| | | Severe | - |
| | | Moderate | 21 |
| | | Mild | 40 |
| | | Not Classifiable | - |

*Numbers for 2001, 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 | 2001 |
|---|---|---|---|
| Marines | Active | Penetrating | 47 |
| | | Severe | 37 |
| | | Moderate | 615 |
| | | Mild | 1,127 |
| | | Not Classifiable | 4 |
| | Reserves | Penetrating | 2 |
| | | Severe | - |
| | | Moderate | 29 |
| | | Mild | 77 |
| | | Not Classifiable | 1 |

*Numbers for 2001, 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)