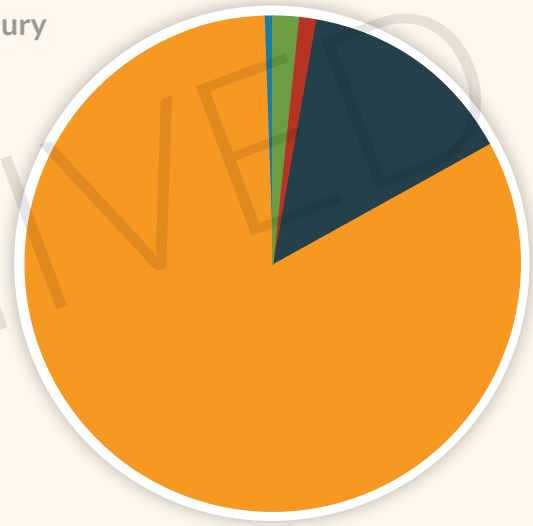
# TBI Numbers By Severity – All Armed Forces

DoD Numbers for Traumatic Brain Injury

## 2006 Totals

| | |
|---|---|
| Penetrating | 309 |
| Severe | 191 |
| Moderate | 2,396 |
| Mild | 13,998 |
| Not Classifiable | 52 |
| Total - All Severities | 16,946 |



Source: Armed Forces Health Surveillance Center

Numbers for 2006, 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.

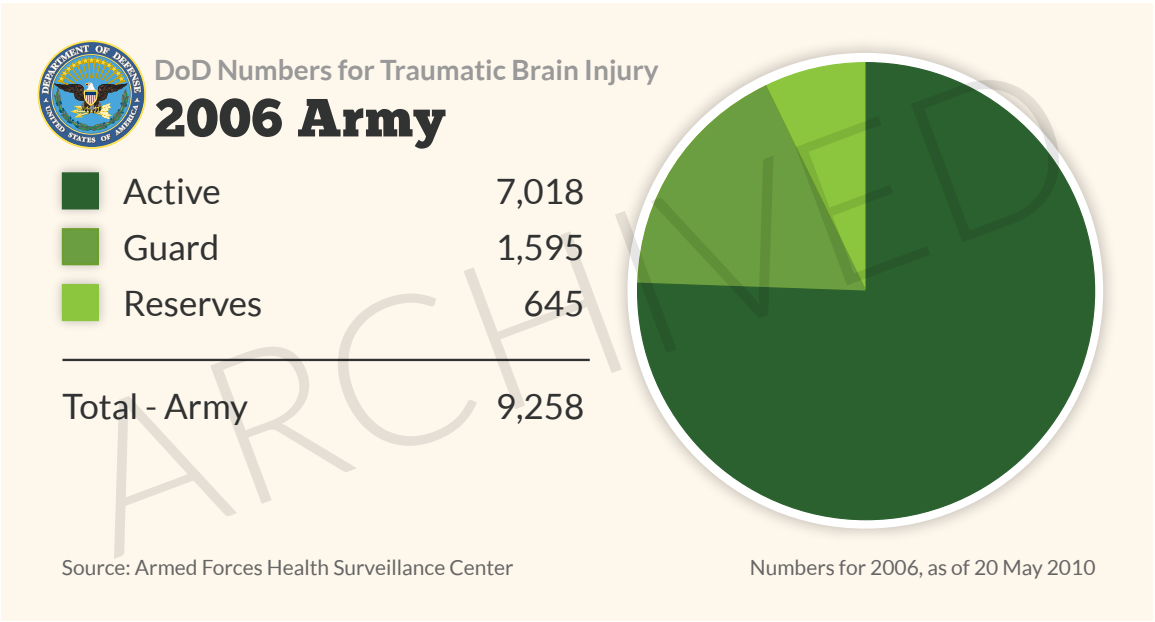
**Severe TBI is characterized by the following:** A confused or disoriented state which lasts more than 24 hours; loss of consciousness for more than 24 hours; memory loss for more than seven days; and structural brain imaging yielding normal or abnormal results.

**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 2006, 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 | 2006 |
|---|---|---|---|
| Army | Active | Penetrating | 165 |
| | | Severe | 74 |
| | | Moderate | 1,011 |
| | | Mild | 5,754 |
| | | Not Classifiable | 14 |
| | Guard | Penetrating | 29 |
| | | Severe | 26 |
| | | Moderate | 262 |
| | | Mild | 1,276 |
| | | Not Classifiable | 2 |
| | Reserves | Penetrating | 12 |
| | | Severe | 10 |
| | | Moderate | 85 |
| | | Mild | 538 |
| | | Not Classifiable | - |

*Numbers for 2006, as of 20 May 2010*

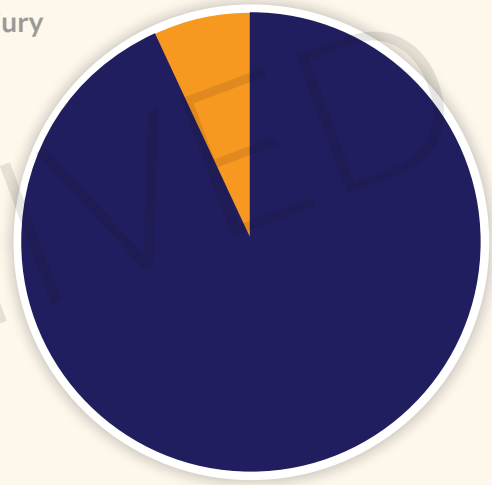
Source: Defense Medical Surveillance System (DMSS) and Theater Medical Data Store (TMDS)
Prepared by Armed Forces Health Surveillance Center (AFHSC)

# TBI Numbers By Armed Forces Branch – Navy

DoD Numbers for Traumatic Brain Injury

## 2006 Navy

| | |
|---|---|
| Active | 2,467 |
| Reserves | 182 |
| Total - Navy | 2,649 |



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Source: Armed Forces Health Surveillance Center

Numbers for 2006, as of 20 May 2010

| Service | Component | Severity | 2006 |
|---|---|---|---|
| Navy | Active | Penetrating | 30 |
| | | Severe | 24 |
| | | Moderate | 292 |
| | | Mild | 2,092 |
| | | Not Classifiable | 29 |
| | Reserves | Penetrating | - |
| | | Severe | 1 |
| | | Moderate | 24 |
| | | Mild | 156 |
| | | Not Classifiable | 1 |

*Numbers for 2006, as of 20 May 2010*

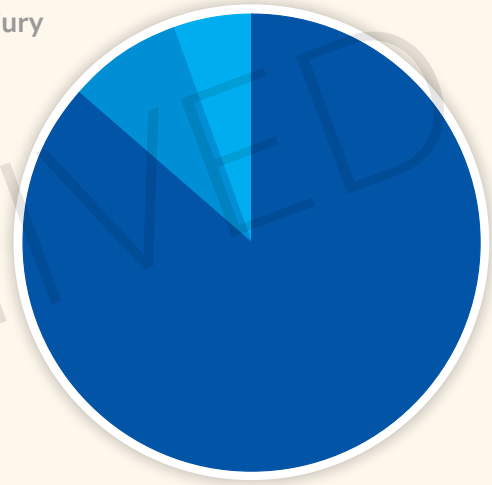
Source: Defense Medical Surveillance System (DMSS) and Theater Medical Data Store (TMDS)
Prepared by Armed Forces Health Surveillance Center (AFHSC)

# TBI Numbers By Armed Forces Branch – Air Force

DoD Numbers for Traumatic Brain Injury

## 2006 Air Force

| | |
|---|---|
| Active | 2,175 |
| Guard | 207 |
| Reserves | 133 |
| Total - Air Force | 2,515 |



Source: Armed Forces Health Surveillance Center

Numbers for 2006, as of 20 May 2010

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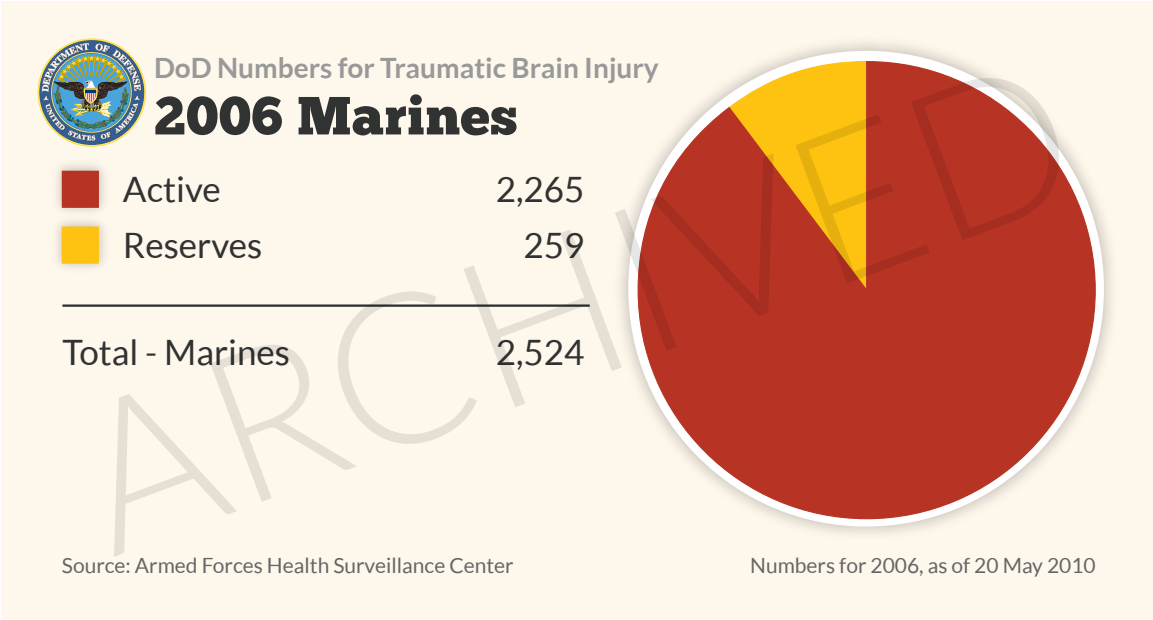
| Service | Component | Severity | 2006 |
|---|---|---|---|
| Air Force | Active | Penetrating | 20 |
| | | Severe | 22 |
| | | Moderate | 265 |
| | | Mild | 1,867 |
| | | Not Classifiable | 1 |
| | Guard | Penetrating | 5 |
| | | Severe | 4 |
| | | Moderate | 31 |
| | | Mild | 165 |
| | | Not Classifiable | 2 |
| | Reserves | Penetrating | 1 |
| | | Severe | 2 |
| | | Moderate | 17 |
| | | Mild | 112 |
| | | Not Classifiable | 1 |

*Numbers for 2006, 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 | 2006 |
|---|---|---|---|
| Marines | Active | Penetrating | 43 |
| | | Severe | 26 |
| | | Moderate | 365 |
| | | Mild | 1,829 |
| | | Not Classifiable | 2 |
| | Reserves | Penetrating | 4 |
| | | Severe | 2 |
| | | Moderate | 44 |
| | | Mild | 209 |
| | | Not Classifiable | - |

*Numbers for 2006, 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)