



BY THE NUMBERS

Musculoskeletal Injuries

Diseases, disorders, and injuries relating to bones, joints, and muscles

Leading Cause of Health Care Visits

- **77%** (65.8 million) of all injury health care visits are for musculoskeletal injuries**
- **\$176.1 billion:** cost of treating musculoskeletal injuries annually**

Common Musculoskeletal Injuries

- Fractures
- Sprains and strains
- Contusions (Bruises)
- Dislocations/derangements (Internal damage, particularly to the knee)
- Crushing injuries and open wounds
- Amputations

- **18.3 million** fractures treated annually*
- **17.1 million** sprains and strains*
- **9.1 million** contusions*
- **8.2 million** open wounds*
- **17.7 million** other musculoskeletal injuries*

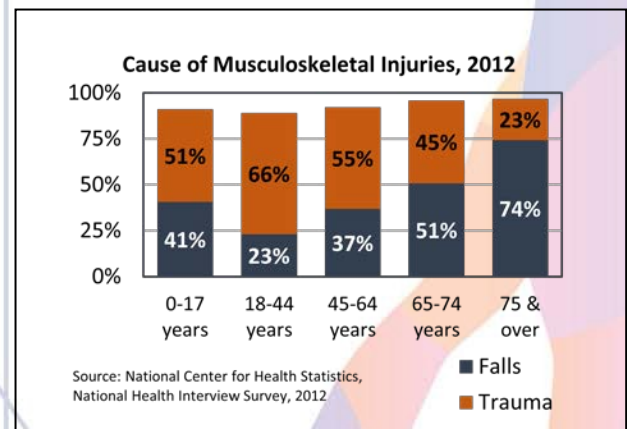
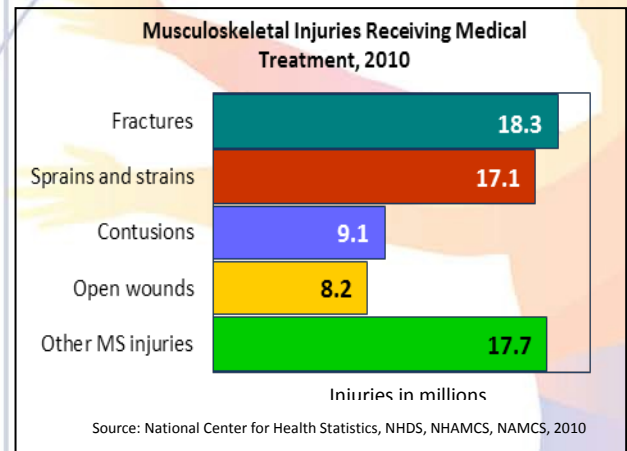
Health Care Impact

- **63%:** share of deaths to persons age 85 and over due to musculoskeletal injuries from unintentional falls**
- **70%** (216.5 million days): self-reported lost work days due to musculoskeletal injuries***
- **30%** (284,000) of work-related injuries involving days away from work are due to musculoskeletal disorders (injuries or pain in the body's joints, ligaments, muscles, nerves, tendons, and structures that support limbs, neck and back), with an average of 11 lost work days*

Leading Causes of Musculoskeletal Injuries

- **1 in 3** musculoskeletal injuries is caused by a fall; **54%** of the remaining injuries are due to a traumatic event (vehicular accidents, machinery, moving objects, and other types of traumatic injury)***
- **2.8 million:** number of sports-related musculoskeletal injuries receiving medical treatment annually***
- **95%:** share of medically treated injuries (229,000) annually to non-combat military personnel that are musculoskeletal related***

* 2010, ** 2011, *** 2012



THE BY NUMBERS: Musculoskeletal Conditions is sourced from *The Burden of Musculoskeletal Diseases in the United States (BMUS)*, www.boneandjointburden.org.

The United States Bone and Joint Initiative (USBJI) is part of the worldwide campaign to advance understanding, prevention, and treatment of musculoskeletal disorders through education and research. To learn more, visit www.usbji.org.



www.boneandjointburden.org

References: For additional information, refer to the tables listed below at www.boneandjointburden.org.

Leading Cause of Disability/Health Care Cost

- [1] T6.2.2.3: Resource Utilization Summary for Injury Visits by Treatment Location, United States 2010
- [2] T10.6: Total and Incremental Aggregate Direct Costs for Musculoskeletal Diseases in Current and 2011 Dollars, United States 1996-2011

Common Musculoskeletal Injuries

- [1]-[5] T6A.2.2.3 : Resource Utilization Summary for Injury Visits by Treatment Location, United States 2010

Health Care Impact

- [1] T6A.3.1.2: Deaths Due to Falls from Unintentional Injury Episodes by Age, United States 2011
- [2] T6A.5.3: Summary of Bed and Lost Work Days Due to Health Problems for Persons Age 18 and Over, United States 2012
- [3] T6B.1.1: Musculoskeletal Disorders (MSDs) for Work-Related Injuries and Illnesses Involving Days Away from Work [1], United States 1992-2010; and, T6B.2.1: Median Days Away from Work [1] for Nonfatal Injuries and Illnesses by Nature of Injury or Illnesses, United States 1997-2011

Causes of Musculoskeletal Injuries

- [1] T6A.1.2.1: Self-Reported Cause of Medically-Consulted Musculoskeletal Injuries/Poisoning Episodes In Past Three Months, National Health Interview Survey, United States 2012
- [2] T6B.2.2: Nonfatal Occupational Injuries Involving Days Away from Work [1] by Age, United States 2011
- [3] T6C.5: Average Number of Musculoskeletal Injuries From Sport Activities Treated Per Year in Emergency Departments by Activity and Disposition, United States 2011-2013
- [4] T6C.12: Distribution of Injury by Body Part for Practices and Games for 15 Sports, National Collegiate Athletic Association, 1989-1999 through 2003-2004
- [5] T6D.2: Frequency of Acute Injuries by Location and Diagnosis (Barell Matrix), U.S. Army Active Duty Incident Outpatient Visits, 2012