



# BY THE NUMBERS

## Musculoskeletal Conditions

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

### Leading Cause of Disability/Health Care Cost

- **1 in 2** (126.6 million) adults are affected, twice the rate of chronic heart and lung conditions
- **\$874 billion (5.7% GDP):** Annual U.S. cost for treatment and lost wages\*\*

### Most Prevalent Musculoskeletal Conditions

- Arthritis and Related Conditions
- Back and Neck Pain
- Injuries: Falls, Military, Sports, Workplace
- Osteoporosis

- **51.8 million** adults report they have arthritis
- **75.7 million** adults suffer from neck or low back pain
- **4.5 million** sports musculoskeletal injuries require medical attention each year, 64% of all sports injuries
- **1 in 2 women and 1 in 4 men** over age 50 will have an osteoporosis-related fracture, with **20%** mortality rate within 12 months of a hip fracture
- **Millions** suffer from spinal deformities, congenital conditions, cancers of bone and connective tissue

### Health Care Impact

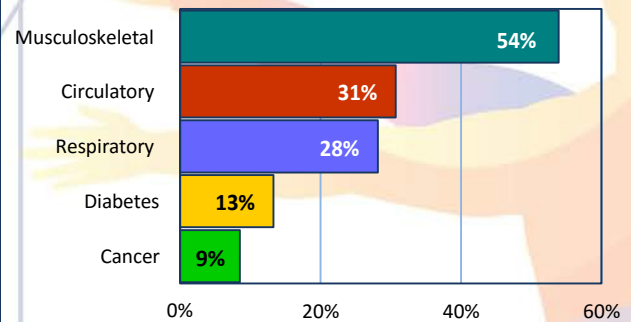
- **18%** of all health care visits\*
- **52 million** health care visits for low back pain\*
- **6.7 million** hospitalizations for arthritis and other rheumatic conditions\*
- **65.8 million** health care visits for injuries;  
**14.4 million** health care visits for childhood injuries\*
- **1.14 million** hospital discharges for fractures, 53% for persons age 65 and over\*

### Economic Impact: Lost Work Time and Wages

- **83.1 billion:** hospital cost to treat injuries\*\*
- **291 million:** lost work days due to back and neck pain\*\*\*
- **3 days longer** off work than for other types of workplace injuries
- **461.5 billion:** annual earnings loss for persons with arthritis condition\*\*

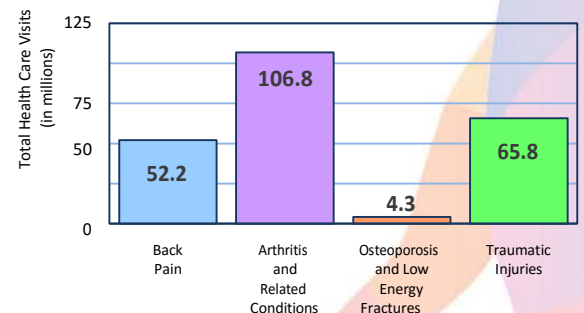
\* 2010, \*\* 2011, \*\*\* 2012

**Proportion of United States Adult Population Reporting Chronic Medical Conditions, 2012**



Source: National Center for Health Statistics, National Health Interview Survey, 2012

**Musculoskeletal Disease Health Care Visits,<sup>1</sup> 2010**



[1] Includes hospital discharges, ED, outpatient, and physician visits.

Source: National Center for Health Statistics, NHDS, NAMCS, NHAMCS 2010.

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



[www.boneandjointburden.org](http://www.boneandjointburden.org)

**References:** For additional information, refer to the tables listed below at [www.boneandjointburden.org](http://www.boneandjointburden.org).

#### Leading Cause of Disability and Health Care Cost

- [1] T1.2.1: Source: National Health Interview Survey (NHIS), Adult sample. [www.cdc.gov/nchs/nhis/nhis\\_2012\\_data\\_release.htm](http://www.cdc.gov/nchs/nhis/nhis_2012_data_release.htm) Accessed July 2, 2013.
- [2] T10.4: Source: Medical Expenditures Panel Survey (MEPS), Agency for Healthcare Research and Quality, U.S. Department of Health and Human Services, 2008-2011. <http://meps.ahrq.gov/mepsweb/>
- [3] T10.14: Source: Medical Expenditures Panel Survey (MEPS), Agency for Healthcare Research and Quality, U.S. Department of Health and Human Services, 2008-2011. <http://meps.ahrq.gov/mepsweb/>

#### Prevalent

- [1] T1.3.1: Source: National Health Interview Survey (NHIS), Adult sample. [www.cdc.gov/nchs/nhis/nhis\\_2012\\_data\\_release.htm](http://www.cdc.gov/nchs/nhis/nhis_2012_data_release.htm) Accessed July 2, 2013.
- [2] T1.3.1: Source: National Health Interview Survey (NHIS), Adult sample. [www.cdc.gov/nchs/nhis/nhis\\_2012\\_data\\_release.htm](http://www.cdc.gov/nchs/nhis/nhis_2012_data_release.htm) Accessed July 2, 2013.
- [3] T6C.1: Source: United States Consumer Product Safety Commission. National Electron Injury Surveillance System, 2011, 2012, 2013. <https://www.cpsc.gov/cgibin/NEISSQuery/home.aspx> Accessed October 27, 2014.
- [4] National Osteoporosis Foundation (NOF). Available at: <http://nof.org/news/185>. Accessed February 16, 2015.
- [5] Multiple tables

#### Health Care Burden

- [1] T1.10.2: Source: Healthcare Cost and Utilization Project (HCUP). NIS 2011 & NEDS 2010. Agency for Healthcare Research and Quality, Rockville, MD. [www.hcup-us.ahrq.gov/nisoverview.jsp](http://www.hcup-us.ahrq.gov/nisoverview.jsp), and National Center for Health Studies, NHAMCS\_OP & NAMCS, 2010. [www.cdc.gov/nchs/nhds/nhds\\_questionnaires.htm](http://www.cdc.gov/nchs/nhds/nhds_questionnaires.htm) Accessed April 23, 2013.
- [2] T2.4.2: Source: National Center for Health Studies, NHDS, NHAMCS\_OP, NHAMCS\_ED, NAMCS, 2010. [www.cdc.gov/nchs/nhds/nhds\\_questionnaires.htm](http://www.cdc.gov/nchs/nhds/nhds_questionnaires.htm) Accessed April 23, 2013.
- [3] T4.2: Source: HCUP Nationwide Inpatient Sample (NIS). Healthcare Cost and Utilization Project (HCUP). 2011. Agency for Healthcare Research and Quality, Rockville, MD. [www.hcup-us.ahrq.gov/nisoverview.jsp](http://www.hcup-us.ahrq.gov/nisoverview.jsp).
- [4] T6A.2.2.1: Source: National Center for Health Studies, NHDS, NHAMCS\_OP, NHAMCS\_ED, NAMCS, 2010. [www.cdc.gov/nchs/nhds/nhds\\_questionnaires.htm](http://www.cdc.gov/nchs/nhds/nhds_questionnaires.htm) Accessed April 23, 2013.
- [5] T6A.2.2.2: Source: National Center for Health Studies, NHDS, NHAMCS\_OP, NHAMCS\_ED, NAMCS, 2010. [www.cdc.gov/nchs/nhds/nhds\\_questionnaires.htm](http://www.cdc.gov/nchs/nhds/nhds_questionnaires.htm) Accessed April 23, 2013.

#### Economic Burden

- [1] T6A.4.1.1: Source: HCUP Nationwide Inpatient Sample (NIS). Healthcare Cost and Utilization Project (HCUP). 2011. Agency for Healthcare Research and Quality, Rockville, MD. [www.hcup-us.ahrq.gov/nisoverview.jsp](http://www.hcup-us.ahrq.gov/nisoverview.jsp)
- [2] T2.11.1: Source: National Health Interview Survey (NHIS)\_Adult sample, 2012. [www.cdc.gov/nchs/nhis/nhis\\_2012\\_data\\_release.htm](http://www.cdc.gov/nchs/nhis/nhis_2012_data_release.htm) Accessed July 2, 2013.
- [3] T6B.2.1: Source (2008-2010): "Supplemental Table 6: Number, percent distribution, and median days away from work for nonfatal occupational injuries and illnesses involving days away from work by selected worker and case characteristics and musculoskeletal disorders, (2008 - 2010)". U.S. Department of labor, Bureau of Labor Statistics. <http://www.bls.gov/iif/oshcdnew.htm> Accessed October 25, 2013.
- [4] T10.13: Source: Medical Expenditures Panel Survey (MEPS), Agency for Healthcare Research and Quality, U.S. Department of Health and Human Services, 2008-2011. <http://meps.ahrq.gov/mepsweb/>