



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
- **\$7,800**: Average annual cost per person for treatment
- **\$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

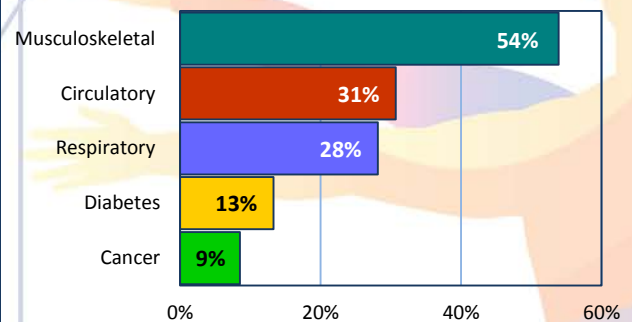
- **18%** of all health care visits*
- **52 million** health care visits for low back pain*
- **6.7 million** hospitalizations for arthritis and other rheumatic conditions*
- **65.8 million** health care visits for injuries;
14.4 million health care visits for childhood injuries*
- **1.14 million** hospital 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**

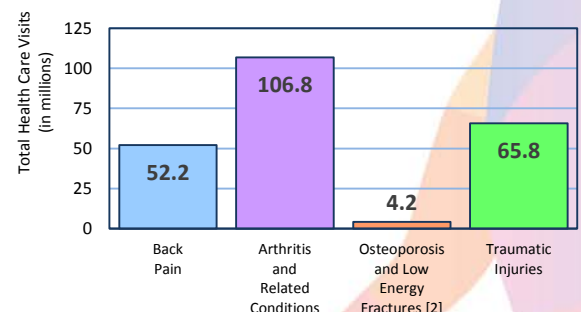
* 2010, ** 2011, *** 2012

Proportion of United States Population Reporting Chronic Medical Conditions, 2012



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

Musculoskeletal Disease Health Care Visits,¹ 2010



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

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

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 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 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 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 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, and National Center for Health Studies, NHAMCS_OP & NAMCS, 2010. 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 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.
- [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 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 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
- [2] T2.11.1: Source: National Health Interview Survey (NHIS)_Adult sample, 2012. 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/>