

FAST FACTS

Musculoskeletal Conditions

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

Leading Cause of Disability/Healthcare Cost

- **1 in 2** (126.6 million) adults are affected, greater than the rate of chronic heart and twice that of lung conditions ¹
- **\$980 billion (5.76% GDP)**: Annual U.S. cost for treatment and lost wages ²

Most Prevalent Musculoskeletal Conditions

- Arthritis and Related Conditions
- Back and Neck Pain
- Injuries: Traumatic, Falls, Workplace, Sports, Military
- Osteoporosis
- **55.4 million**: Adults report they have arthritis ³
- **101.3 million**: Adults suffer neck and/or low back pain ³
- **4.2 million**: Sports injuries require medical attention each year; 61% of all sports injuries are musculoskeletal ⁴
- **1 in 2 women and 1 in 4 men** over age 50 will have an osteoporosis-related fracture; **20%** mortality rate from hip fracture complications within 12 months ⁵
- **Millions** suffer from other musculoskeletal conditions - spinal deformities, congenital conditions, cancers of bone and connective tissue

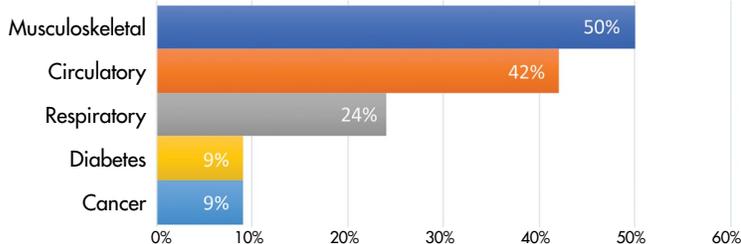
Healthcare Impact

- **19%** of all health care visits, 235.1 million visits ⁶
- **61.8 million**: Health care visits for low back pain ⁷
- **6.4 million**: Hospitalizations for arthritis and other rheumatic conditions ⁸
- **62.7 million**: Health care visits for injuries ⁹;
10.6 million: Health care visits for childhood injuries ¹⁰
- **1.04 million**: Hospital discharges for fractures, 57% for persons age 65 and over ¹⁰

Economic Impact: Lost Work Time and Wages

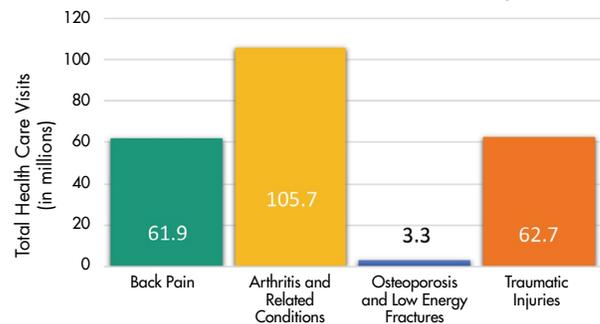
- **\$53.1 billion**: Direct cost to treat musculoskeletal injuries ¹¹
- **264 million**: Lost work days due to back and neck pain ¹²
- **12 days** away from work for MSK Disorders, **4 days longer** days longer than for other types of workplace injuries ¹³
- **\$71.3 billion**: Annual earnings loss for persons with osteoarthritis; **\$7.9 billion** loss with rheumatoid arthritis ¹⁴

Proportion of United States Population Reporting Chronic Medical Conditions, 2015 ¹



Source: National Center for Health Statistics, National Health Interview Survey, 2015

Musculoskeletal Disease Health Care Visits, 2013



Includes hospital discharges, ED, outpatient, and physician visits.

Sources: HCUP NISS & NEDS 2013, NCHS NAMCS 2013, NCHS NAMCS 2011

Data references available on the reverse side.



Fast Facts: This data is sourced from *The Burden of Musculoskeletal Diseases in the United States (BMUS)*, boneandjointburden.org.

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

Leading Cause of Disability/Health Care Cost

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Prevalent

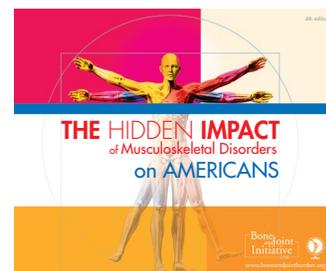
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- [4] T5E.1.1: Average Yearly Injuries Resulting from Participation in Sports Activities and Severe Enough to be Treated in Emergency Departments, by Sport Activity, Category of Injury, and Sex, United States 2014-2016. Source: United States Consumer Product Safety Commission. National Electronic Injury Surveillance System, 2014-2016.
- [5] National Osteoporosis Foundation (NOF). Available at: <https://www.nof.org/preventing-fractures/general-facts/> Accessed November 13, 2018.

Healthcare Impact

- [6] T1.9.1: Number of Musculoskeletal Diagnoses for Care Received, All Care Facilities, United States 2013. Source: Healthcare Cost and Utilization Project (HCUP). NIS 2013 & NEDS 2013. Agency for Healthcare Research and Quality, Rockville, MD. www.hcup-us.ahrq.gov/, and National Center for Health Studies, NHAMCS_OP 2011 & NAMCS, 2013. www.cdc.gov/nchs/
- [7] T2A.4.1: Summary of Resource Utilization for Back Pain and Related Conditions by Sex, United States 2013. Source: Healthcare Cost and Utilization Project (HCUP). NIS 2013 & NEDS 2013. Agency for Healthcare Research and Quality, Rockville, MD. www.hcup-us.ahrq.gov/ and National Center for Health Studies, NHAMCS_OP 2011 & NAMCS, 2013. www.cdc.gov/nchs/
- [8] T3A.3.0.1: Healthcare Utilization that Included Arthritis and Other Rheumatic Condition (AORC) Diagnoses for Adults Age 18 & Older, United States, 2013. Source: Healthcare Cost and Utilization Project (HCUP). NIS 2013 & NEDS 2013. Agency for Healthcare Research and Quality, Rockville, MD. www.hcup-us.ahrq.gov/ and National Center for Health Studies, NHAMCS_OP 2011 & NAMCS, 2013. www.cdc.gov/nchs/
- [9] T5B.2.1: Healthcare Visits for Musculoskeletal Injuries by Type of Injury, Healthcare Source, and Sex, United States 2013. Source: Healthcare Cost and Utilization Project (HCUP). NIS 2013. Agency for Healthcare Research and Quality, Rockville, MD. www.hcup-us.ahrq.gov/
- [10] T5B.2.1: Healthcare Visits for Musculoskeletal Injuries by Type of Injury, Healthcare Source, and Age, United States 2013. Source: Healthcare Cost and Utilization Project (HCUP). NIS 2013 & NEDS 2013. Agency for Healthcare Research and Quality, Rockville, MD. www.hcup-us.ahrq.gov/, and National Center for Health Studies, NHAMCS_OP 2011 & NAMCS, 2013. www.cdc.gov/nchs/

Economic Impact

- [11] T8.6.5: Annual All-cause and Incremental Direct Costs for Musculoskeletal Injuries in Current and 2014 Dollars, United States 1996-2014. Source: Medical Expenditures Panel Survey (MEPS), Agency for Healthcare Research and Quality, U.S. Department of Health and Human Services, 2012-2014. <http://meps.ahrq.gov/mepsweb/>
- [12] T2A.12: Trends in Self-Reported Bed Days and Work Days Lost Due to Neck or Back Pain, 2004-2015. Source: National Health Interview Survey (NHIS), Adult sample. www.cdc.gov/nchs/nhis/nhis_2015_data_release.htm Accessed July 23, 2016.
- [13] T5D.1: Musculoskeletal Disorders (MSDs) for Private Industry Work-Related Injuries and Illnesses Involving Days Away from Work, United States 1992-2016 and Table 5D.2.1: Trends in Injuries Involving Days Away from Work in Private Industry by Sex, United States 2011 to 2016. Source: U.S. Department of Labor, Bureau of Labor Statistics. <https://www.bls.gov/iif/oshcdnew.htm> Accessed December 14, 2017.
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About the United States Bone and Joint Initiative

The United States Bone and Joint Initiative (USBJI) is part of the worldwide multi-specialty campaign to advance understanding, prevention, and treatment of musculoskeletal disorders through education and research.

To learn more, visit usbji.org.