

# FAST FACTS

## Arthritis and Other Rheumatic Conditions

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

### Leading Cause of Disability/Healthcare Cost

- **54.4 million:** Adults reporting having arthritis<sup>1</sup>
- **\$88.7 billion:** Cost directly attributed to treatment of arthritis conditions<sup>2</sup>
- **1 in 4** (78.4 million) adults projected to have doctor-diagnosed arthritis by 2040<sup>3</sup>

### Healthcare Impact

- **99.3 million:** Adult ambulatory healthcare visits associated with an Arthritis and Other Rheumatic Condition (AORC) diagnosis<sup>4</sup>
- **2.1 million:** Hospital and outpatient visits for JIA<sup>5</sup>
- **> 1 million:** Primary hip and knee joint replacements performed annually, primarily due to osteoarthritis-damaged joints<sup>6</sup>

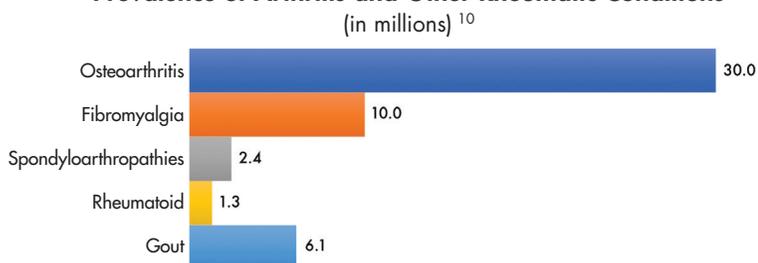
### Economic Impact: Lost Work Time and Wages

- **189.9 million:** Reported lost workdays for medical conditions due to AORC<sup>7</sup>
- **\$6,780:** Annual wages lost per person due to osteoarthritis<sup>8</sup>
- **\$14,540:** Annual wages lost due to rheumatoid arthritis<sup>8</sup>

### Most Prevalent AORC Conditions

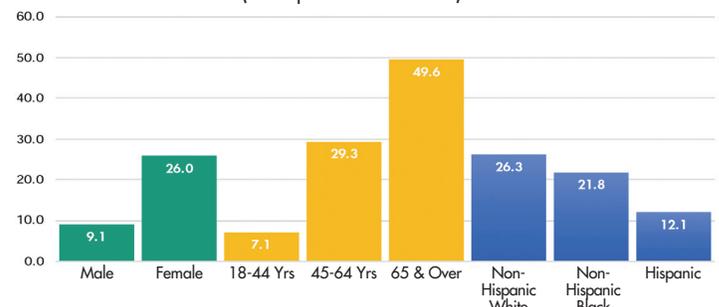
- Osteoarthritis (progressive joint damage)
- Fibromyalgia (widespread pain and tenderness)
- Spondyloarthropathies (family of diseases)
- Rheumatoid arthritis (inflammatory arthritis)
- Juvenile idiopathic arthritis (JIA) (6 weeks or more duration, age ≤20)
- Lupus (immune system disease that affects skin, kidneys, and particularly joints)
- Gout (inflammatory arthritis that affects the big toe)
- **30 million:** Adults living with osteoarthritis, the most common cause of joint pain<sup>9</sup>
- **10 million:** Adults suffering from fibromyalgia<sup>10</sup>
- **2.4 million:** Persons affected by spondyloarthropathies, including ulcerative colitis or Crohn's disease<sup>11</sup>
- **1.3-1.5 million:** Persons with debilitating rheumatoid arthritis, especially in the hands<sup>11</sup>
- **300,000:** Children diagnosed with JIA, 40%-45% of whom will still have arthritis after 10 years<sup>12</sup>
- **320,000:** Persons affected by lupus<sup>11</sup>
- **6.1 million:** Persons with gout<sup>13</sup>

### Prevalence of Arthritis and Other Rheumatic Conditions



### Self-Reported Doctor-Diagnosed Arthritis

(Rate per 100 Persons)<sup>14</sup>



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](http://boneandjointburden.org).

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

### Leading Cause of Disability/Health Care Cost

- [1] <http://www.boneandjointburden.org/fourth-edition/iii0/arthritis> Table 3A.2.0: Relationship Between Self-Reported Doctor-Diagnosed Arthritis and Arthritis-Attributable Activity Limitations and Self-Reported Chronic Joint Pain, Adults Age 18 and Older, by Sex, United States 2013-2015.
- [2] [www.boneandjointburden.org/fourth-edition/viii0/economic-cost](http://www.boneandjointburden.org/fourth-edition/viii0/economic-cost) Table 8.6.3: Annual All-cause and Incremental Direct Costs for Arthritis and Joint Pain in Current and 2014 Dollars, United States 2014.
- [3] Hootman JM, Helmick CG, Barbour KE, et al. "Updated Projected Prevalence of Self-Reported Doctor-Diagnosed Arthritis and Arthritis-Attributable Activity Limitation Among US Adults, 2015-2040." *Arthritis & Rheumatology* 2016;68(7):1582-1587.

### Health Care Impact

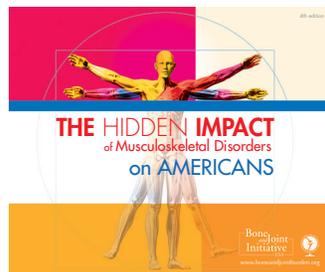
- [4] <http://www.boneandjointburden.org/fourth-edition/iiii20/healthcare-utilization> Table 3A.3.2.0.1: Total Ambulatory Visits and Population Rate for Arthritis and Other Rheumatic Condition (AORC) Diagnoses Among Adults Age 18 & Older, by Sex, United States, 2013.
- [5] <http://www.boneandjointburden.org/fourth-edition/iiib60/juvenile-arthritis> Table 3B.1: Number of Hospitalizations, Average Length of Hospital Stay (LOS), Hospital Charges 1, and Outpatient Visits for Significant Pediatric Arthritis and Other Rheumatologic Conditions (SPARC) Among Juveniles and Youth Age 20 & Younger, by Sex and Age, United States 2013.
- [6] <http://www.boneandjointburden.org/fourth-edition/iiib70/joint-pain-and-joint-replacement> Table 3A.5.2: Trends in Hip and Knee Joint Replacement Procedures, All Ages, in the United States, 1992-2013.

### Economic Impact: Lost Work Time and Wages

- [7] <http://www.boneandjointburden.org/fourth-edition/iiia30/life-burden-aorc> Table 3A.4.1.1: Bed and Lost Work Days Associated with Self-Reported Doctor-Diagnosed Arthritis and With Any Medical Conditions for Adults Age 18 and Older, by Sex, United States 2013- 2015.
- [8] <http://www.boneandjointburden.org/fourth-edition/iiia40/economic-burden-aorc> Table 8.13: Average Annual Direct Costs (Persons 18 and over) and Total and Incremental Earnings Losses (Persons Age 18 to 64 Who Ever Worked) for Select Musculoskeletal Diseases, United States 2008-2014.

### Most Prevalent AORC Conditions

- [9] <http://www.boneandjointburden.org/fourth-edition/iiia10/prevalence-aorc> Cisternas MG, Murphy L, Sacks J, et al., Alternative methods for defining osteoarthritis and the impact on estimating prevalence in a US population-based survey. *Arthritis Care Res* 2016;68(5):574-580.
- [10] <http://www.boneandjointburden.org/fourth-edition/iiia10/prevalence-aorc> National Fibromyalgia Association. <http://www.fmaware.org/about-fibromyalgia/prevalence/> Accessed April 18, 2017.
- [11] <http://www.boneandjointburden.org/fourth-edition/iiia10/prevalence-aorc> Helmick CG, Felson DT, Lawrence RC, et al., for the National Arthritis Data Workgroup. Estimates of the prevalence of arthritis and other rheumatic conditions in the United States: Part I. *Arthritis Rheum* 2008;58(1):15-25.
- [12] <http://www.boneandjointburden.org/fourth-edition/iiia10/prevalence-aorc> Sacks JJ, Helmick CG, Luo Y-H, et al., Prevalence of and annual ambulatory healthcare visits for pediatric arthritis and other rheumatologic conditions in the US in 2001–2004. *Arthritis Rheum (Arthritis Care Res)* 2007;57(8):1439-1445.
- [13] Lawrence RC, Felson OT, Helmick CG, Arnold LM, Choh H, Deyo RA, Gabriel S, Hirsch R, Hochberg MC, Hunder GG, Jordan JM, Katz JN, Maradit Kremers H, and Wolfe F for the National Arthritis Data Workgroup. "Estimates of the prevalence of arthritis and other rheumatic conditions in the United States: Part II." *Arthritis Rheum* 2008;58(1):26-35.
- [14] Barbour KE, Helmick CG, Boring M, Brady TJ. Vital Signs: Prevalence of Doctor-Diagnosed Arthritis and Arthritis-Attributable Activity Limitation—United States, 201-2015. *MMWR Morb Mortal Wkly Rep* 2017;66:246-253. DOI



## 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.

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