



# FAST FACTS

## Joint Disease: Arthritis in Patient Populations

Who is affected by arthritis?

### Prevalence of Common Forms of Arthritis

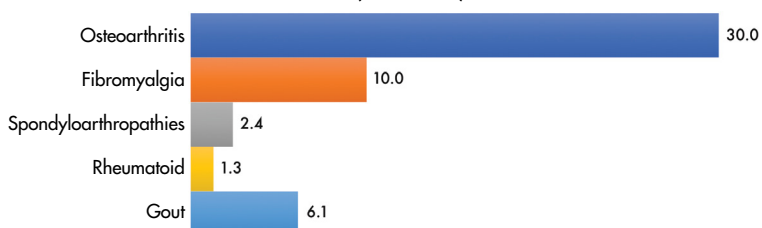
#### Osteoarthritis

- **32.5 million**: Adults living with **osteoarthritis**, making it the most common cause of joint pain (caused by loss of protective cartilage at the ends of bones). This includes:
  - **25.3 million** non-Hispanic whites, but non-Hispanic Black and Hispanic populations have a *higher share of adults aged 45 and older* reporting OA
  - **14.8 million** between the ages of 45-64; **13.8 million** aged 65 or older
  - **78% female** (compared to 51% of the adult population who are female) and 43% of adults 65 and older (vs. 18% of that population who are female)
  - Females hospitalized with OA outnumber males **2:1**

#### Fibromyalgia

- **4-10 million**: Adults suffering from **fibromyalgia** (chronic pain condition affecting between 2%-5% of adult population)
  - Most prevalent in females (who are up to 90% of incident cases)

**Prevalence of Arthritis and Other Rheumatic Conditions**  
(in millions)



#### Spondyloarthropathies

- **2.4 million**: Persons affected by **spondyloarthropathies**, including ulcerative colitis or Crohn's disease

#### Rheumatoid Arthritis (RA)

- **1.3-1.5 million**: Persons with debilitating **RA**, especially in the hands
  - Prevalence by sex: affects more women (0.29%-0.31% of males, 0.73%-0.78% of females)
  - Hospitalizations: females outnumber males **3:1**
  - Prevalence increases with age

#### Lupus

- **320,000**: Persons affected by **lupus**
  - Incidence higher among women (as high as **12:1**); onset during childbearing years

#### Juvenile Arthritis

- **294,000**: Children diagnosed with some form of **juvenile arthritis (JA)**, 40%-45% of whom will still have arthritis after 10 years

#### Gout

- **6.1 million**: Persons with **gout**
  - Prevalence rising due to obesity and hypertension
  - Prevalence higher in males (5.9%) than females (2.0%) at a ratio of **3-4:1**

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).

## Prevalence of Common Forms of Arthritis

### Osteoarthritis

- [1] [https://bmus.latticegroup.com/docs/bmus\\_e4\\_T8.13.pdf](https://bmus.latticegroup.com/docs/bmus_e4_T8.13.pdf) 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
- [2] [https://bmus.latticegroup.com/docs/bmus\\_e4\\_T8.22.pdf](https://bmus.latticegroup.com/docs/bmus_e4_T8.22.pdf) Per Person All-cause Direct Costs (Annual Mean) for Adults with Osteoarthritis\*, Overall and by Demographic Characteristics, United States, 2008 – 2014
- [3] [https://bmus.latticegroup.com/docs/bmus\\_e4\\_t3a.1.1.a.pdf](https://bmus.latticegroup.com/docs/bmus_e4_t3a.1.1.a.pdf) Adults Age 18 and Older Self-Reporting Doctor-Diagnosed Arthritis, by Age by Sex, Race/Ethnicity, and Geographic Region, United States, 2013-2015
- [4] [https://bmus.latticegroup.com/docs/bmus\\_e4\\_t3a.3.1.0.1.pdf](https://bmus.latticegroup.com/docs/bmus_e4_t3a.3.1.0.1.pdf) Number of Hospitalizations and Population Hospitalization Rate for Arthritis and Other Rheumatic Condition (AORC) Diagnoses Among Adults Age 18 & Older, by Sex, United States, 2013

### Fibromyalgia

- [5] <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.
- [6] <http://www.boneandjointburden.org/fourth-edition/iiia10/prevalence-aorc> National Fibromyalgia Association. <http://www.fmaware.org/about-fibromyalgia/prevalence/> Accessed April 18, 2017.
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### Spondyloarthropathies

- [8] Reveille JD. Epidemiology of spondyloarthritis in North America. Author manuscript. *Am J Med Sci*. 2011 Apr;341(4):284–286. doi: 10.1097/MAJ.0b013e31820f8c99.

### Rheumatoid Arthritis (RA)

- [9] <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.
- [10] [https://www.boneandjointburden.org/docs/bmus\\_e4\\_t3a.3.1.0.1.pdf](https://www.boneandjointburden.org/docs/bmus_e4_t3a.3.1.0.1.pdf) Number of Hospitalizations and Population Hospitalization Rate for Arthritis and Other Rheumatic Condition (AORC) Diagnoses Among Adults Age 18 & Older, by Sex, United States, 2013

### Juvenile Arthritis (JA)

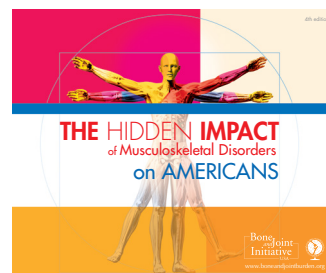
- [11] Centers for Disease Control and Prevention (CDC). What is Juvenile Arthritis? ([https://www.niams.nih.gov/Health\\_Info/Juv\\_Arthritis/juvenile\\_arthritis\\_f...](https://www.niams.nih.gov/Health_Info/Juv_Arthritis/juvenile_arthritis_f...)) Accessed March 22, 2017.

### Lupus

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### Gout

- [13] [https://www.boneandjointburden.org/docs/bmus\\_e4\\_T8.13.pdf](https://www.boneandjointburden.org/docs/bmus_e4_T8.13.pdf) 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 *Musculoskel*
- [14] <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.
- [15] <http://www.boneandjointburden.org/fourth-edition/iiia10/prevalence-aorc> National Fibromyalgia Association. <http://www.fmaware.org/about-fibromyalgia/prevalence/> Accessed April 18, 2017.



## 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](http://usbji.org).