



# BY THE NUMBERS

## Child & Adolescent Musculoskeletal Conditions

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

### Major Cause of Disability/Health Care Cost

- **19 million:** Children and adolescent health care visits for a musculoskeletal related condition\*
- **\$140.8 million:** Hospital charges to treat musculoskeletal conditions\*\*\*

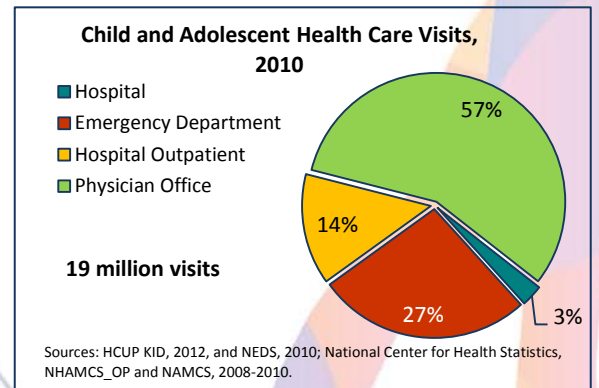
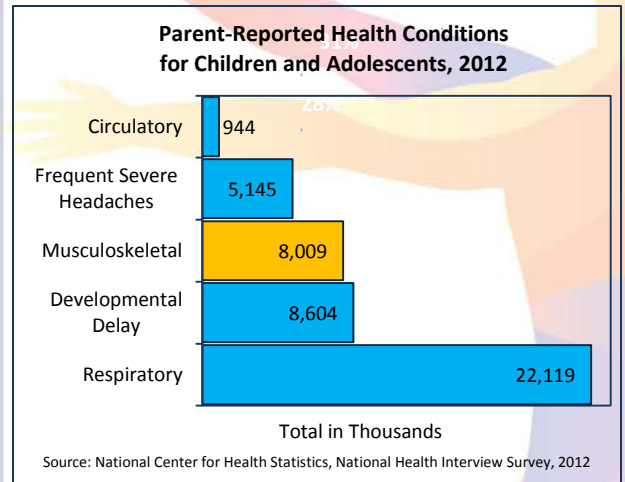
### Leading Musculoskeletal Conditions

- Trauma and sports injuries
  - Pain syndromes
  - Skeletal deformity
  - Rheumatologic conditions
  - Neuromusculoskeletal conditions
  - Neoplasms
- **12.9 million** trauma and sports injuries requiring a health care visit\*
  - **2.5 million** children and adolescents suffering from chronic musculoskeletal pain\*
  - **1.8 million** visits for skeletal deformities of upper and lower limbs, hip and pelvis, and spine\*
  - **621 thousand** visits for the estimated 300,000 children with juvenile arthritis or other rheumatologic conditions.\*
  - **612 thousand** visits for life-long neuromuscular conditions that include cerebral palsy, muscular dystrophy, and spinal muscular atrophy.\*
  - While small in number, **84,500** children and adolescents with primary diagnosis of neoplasm.\*

### Health Care Impact

- **149 million** school days missed due to musculoskeletal conditions\*\*\*
- **282 thousand** limited in mobility and needing assistance with daily living activities\*\*\*
- **3<sup>rd</sup>** among parent-reported health conditions, after respiratory and developmental delay\*\*\*
- **1.8 million** sport related injuries per year requiring medical care\*\*

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



**BY THE 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).



**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] T7.1.1: Sources: HCUP Kids' Inpatient Database (KID). Healthcare Cost and Utilization Project (HCUP). 2012. Agency for Healthcare Research and Quality, Rockville, MD. [www.hcup-us.ahrq.gov/kidoverview.jsp](http://www.hcup-us.ahrq.gov/kidoverview.jsp). HCUP Nationwide Emergency Department Sample (NEDS). Healthcare Cost and Utilization Project (HCUP). 2010. Agency for Healthcare Research and Quality, Rockville, MD. [www.hcup-us.ahrq.gov/nedsoverview.jsp](http://www.hcup-us.ahrq.gov/nedsoverview.jsp). National Center for Health Studies, NHAMCS\_OP, NAMCS, [www.cdc.gov/nchs/ahcd/ahcd\\_questionnaires.htm](http://www.cdc.gov/nchs/ahcd/ahcd_questionnaires.htm) 2008-2010.
- [2] T7.1.2: Sources: HCUP Kids' Inpatient Database (KID). Healthcare Cost and Utilization Project (HCUP). 2012. Agency for Healthcare Research and Quality, Rockville, MD. [www.hcup-us.ahrq.gov/kidoverview.jsp](http://www.hcup-us.ahrq.gov/kidoverview.jsp).

#### Musculoskeletal Conditions

- [1]-[6] T7.1.1: Sources: HCUP KID (2012) and NEDS (2010) [www.hcup-us.ahrq.gov](http://www.hcup-us.ahrq.gov); National Center for Health Studies, NHAMCS\_OP and NAMCS, 2008-2010. [www.cdc.gov/nchs/nhds/nhds\\_questionnaires.htm](http://www.cdc.gov/nchs/nhds/nhds_questionnaires.htm) Accessed April 23, 2013.

#### Health Care Impact

- [1] T7.0.1: Source: National Health Interview Survey (NHIS). Child sample, 2012. [www.cdc.gov/nchs/nhis/nhis\\_2012\\_data\\_release.htm](http://www.cdc.gov/nchs/nhis/nhis_2012_data_release.htm) July 2, 2013.
- [2] T7.0.2: Source: National Health Interview Survey (NHIS). Child sample, 2012. [www.cdc.gov/nchs/nhis/nhis\\_2012\\_data\\_release.htm](http://www.cdc.gov/nchs/nhis/nhis_2012_data_release.htm) July 2, 2013.
- [3] T7.0: Source: National Health Interview Survey (NHIS). Child sample, 2012. [www.cdc.gov/nchs/nhis/nhis\\_2012\\_data\\_release.htm](http://www.cdc.gov/nchs/nhis/nhis_2012_data_release.htm) July 2, 2013.
- [4] T7.7.1: Source: United States Consumer Product Safety Commission. National Electronic Injury Surveillance System, 2011, 2012, 2013. <https://www.cpsc.gov/cgi-bin/NEISSQuery/home.aspx> Accessed October 27, 2014.