# SEX-BASED REPORTING OF COMMON MUSCULOSKELETAL CONDITIONS

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- ►The Problem
  - Sex-based differences not widely analyzed/reported in orthopedic literature

#### The Methods

reviewed comparing rotator cuff and knee osteoarthritis literature

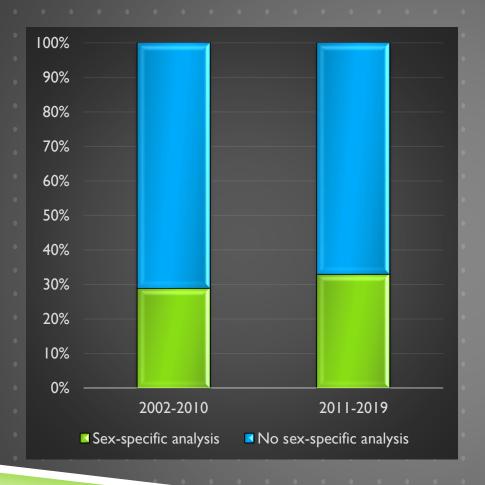
## WHY THESE CONDITIONS?

Osteoarthritis of the kneemore common among women, with different risk factors and outcomes Rotator cuff- no clearly identified sex-based differences



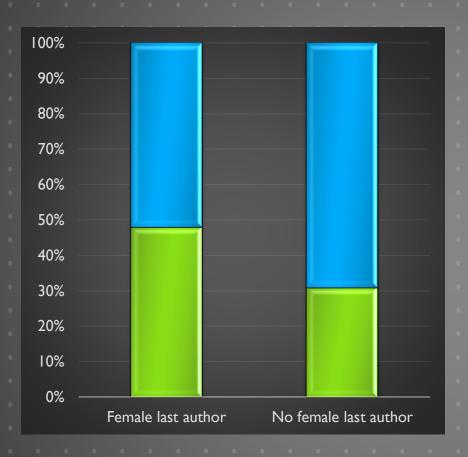


### **RESULTS**



- Only 31% of articles reported sex-specific analyses
- Articles involving conditions with known sex-based differences were more likely to analyze results based on sex
- No difference based on year of publication

#### **RESULTS-AUTHORS**



- Articles that reported results based on sex were more likely to have a female as the first or last author (p=0.007)
- Articles with female last authors (only) were more likely to report results based on sex (p=0.0128)

#### CONCLUSIONS

- A minority of articles describing 2 common orthopaedic conditions report results based on sex
- Slighter higher rates of reporting occur for a condition with known sex/gender differences but still not consistent
- Inclusion of women as authors, especially in the important roles as first or last authors, increases the probability of sex/gender being analyzed
- This impacts the quality of care for all patients, as well as impacting future research and health professionals' education