



# Women in Leadership in Orthopaedic Sports Medicine Societies Throughout the World

14<sup>th</sup> Biennial ISAKOS Congress

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# Disclosures



## Laurie Hiemstra, MD

- Banff Sport Medicine Foundation: Board or committee member
- Canadian Orthopaedic Association: Board or committee member
- CONMED Linvatec: Paid presenter or speaker; Research support
- International Society of Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine: Board or committee member
- LifeMark Canada: Research support
- Orthopaedic Journal of Sports Medicine: Editorial or governing board
- Patellofemoral Foundation: Board or committee member
- Pendopharm: Paid presenter or speaker; Research support
- Pendopharm canada: Paid consultant
- Precision OS: Stock or stock Options
- Sanofi-Aventis: Paid consultant; Paid presenter or speaker; Research support
- Smith & Nephew: Paid presenter or speaker; Research support

## Mary K. Mulcahey, MD

- AAOS: Board or committee member
- American Journal of Sports Medicine Electronic Media: Editorial or governing board
- American Orthopaedic Association: Board or committee member
- American Orthopaedic Society for Sports Medicine: Board or committee member
- Arthrex, Inc: Paid consultant; Paid presenter or speaker
- Arthroscopy: Editorial or governing board
- Arthroscopy Association of North America: Board or committee member
- Ortho Info: Editorial or governing board
- Ruth Jackson Orthopaedic Society: Board or committee member
- The Forum: Board or committee member

**All Others - NONE**



# Introduction



- The proportion of women in orthopaedic surgery is low compared to other specialties, despite a balance of women and men entering the field of medicine.
  - *Women comprised only 5.8% of practicing surgeons in the United States in 2019 [1].*
  - *American Academy of Orthopaedic Surgeons (AAOS) membership in 2019 included 6.5% members identifying as female [2].*
- This gender disparity persists across various aspects of orthopaedic sports medicine.
  - *Across team physicians in professional and collegiate athletics, women represent 12.7% of team physicians and 6.8% of orthopaedic surgeons [3].*



# Purpose



- Characterize the number of women in leadership positions in orthopaedic sports medicine and arthroscopy societies throughout the world
- Compare the percentages of women vs men in leadership positions



# Methods



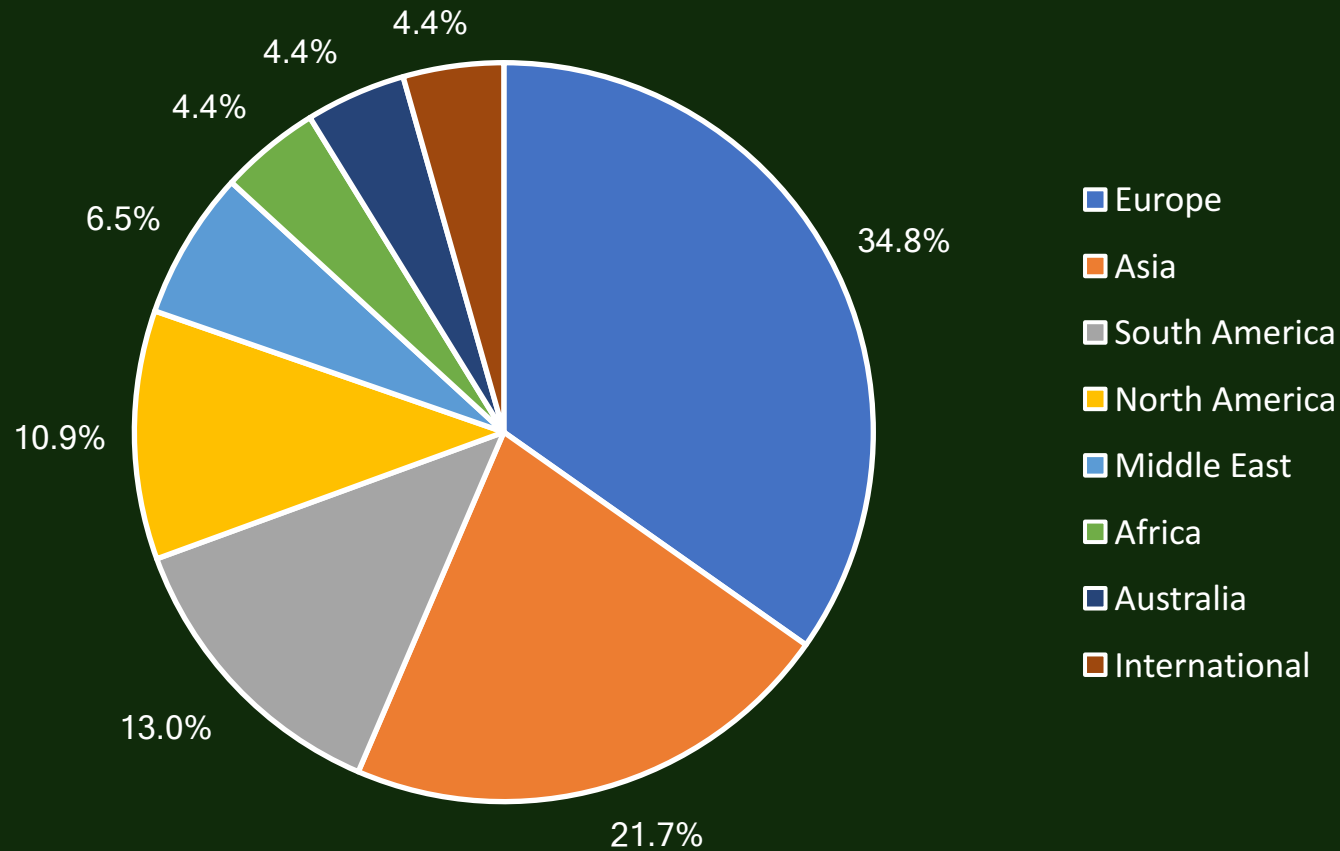
- Evaluation of publicly available websites for orthopaedic sports medicine societies throughout the world
- Leadership positions were categorized as:
  - Board of Directors
  - Executive Committee
  - Office
  - Council
  - Committee Chairs
- Exclusion criteria:
  - Non-surgical sports medicine societies
  - Societies lacking publicly available leadership information



# Results

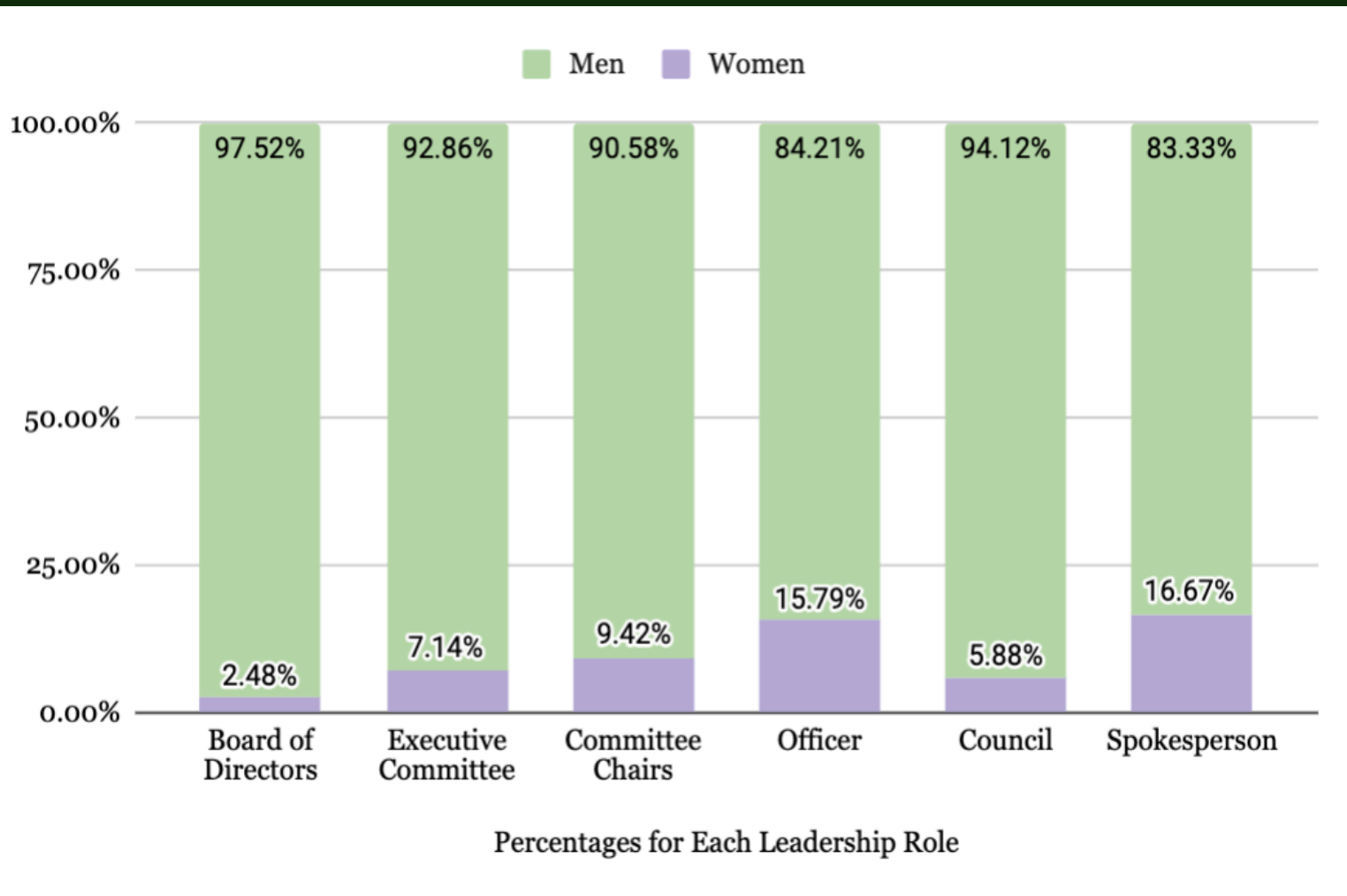


Breakdown of Orthopaedic Sports Medicine Societies Throughout the World





# Results





# Conclusions



- There are large gender disparities in leadership positions in orthopaedic sports medicine societies throughout the world.
- Increasing the number of women in high-ranking positions may contribute to the interest of women and other minorities in the field of sports medicine and help improve diversity.





# References



1. American Medical Association. Active Physicians by Sex and Specialty, 2019. AAMC. <https://www.aamc.org/data-reports/workforce/interactive-data/active-physicians-sex-and-specialty-2019>. Published 2020. Accessed May 11, 2022.
2. DeMaio, M. (2019, June). Making the Case (Again) for Gender Equity. AAOS Now. Retrieved September 28, 2022, from <https://www.aaos.org/aaosnow/2019/jun/youraaos/youraaos05/>.
3. O'Reilly OC, Day MA, Cates WT, Baron JE, Glass NA, Westermann RW. Female Team Physician Representation in Professional and Collegiate Athletics. *Am J Sports Med.* 2020 Mar;48(3):739-743. doi: 10.1177/0363546519897039. Epub 2020 Jan 10. PMID: 31922898.
4. Bi AS, Fisher ND, Bletnitsky N, Rao N, Egol KA, Karamitopoulos M. Representation of Women in Academic Orthopaedic Leadership: Where Are We Now?. *Clin Orthop Relat Res.* 2022;480(1):45-56. doi:10.1097/CORR.0000000000001897
5. Hiemstra LA, Wittman T, Mulpuri K, Vezina C, Kerslake S. Dissecting disparity: Improvements towards gender parity in leadership and on the podium within the Canadian Orthopaedic Association. *J ISAKOS.* 2019;4(5):227-232. doi:10.1136/jisakos-2019-000290
6. Jagsi, Reshma MD, DPhil; Means, Olivia MD; Lautenberger, Diana MAT; Jones, Rochelle D. MS; Griffith, Kent A. MS; Flotte, Terence R. MD; Gordon, Lynn K. MD, PhD; Rexrode, Kathryn M. MD, MPH; Wagner, Lori W. MD, MA; Chatterjee, Archana MD, PhD Women's Representation Among Members and Leaders of National Medical Specialty Societies. *Acad Med.* 2019;95(7):1043-1049. doi:10.1097/acm.0000000000003038
7. Kamalpathy P, Moore A, Brockmeier S, Diduch D. Status Quo: Trends in Diversity and Unique Traits Among Orthopaedic Sports Medicine Fellowship Directors. *J Am Acad Orthop Surg.* 2022 Jan 1;30(1):36-43. doi: 10.5435/JAAOS-D-21-00211. PMID: 34197355.
8. Maqsoodi N, Mesfin A, Li X. Academic, Leadership, and Demographic Characteristics of Orthopaedic Sports Medicine Division Chiefs in the United States. *J Am Acad Orthop Surg Glob Res Rev.* 2022 Jan 10;6(1):e21.00139. doi: 10.5435/JAAOSGlobal-D-21-00139. PMID: 35007236; PMCID: PMC8751768.



# Thank You!



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