**JOHN T. SCHOUSBOE, M.D., M.S., Ph.D., CCD**

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 3311 Old Shakopee Road

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 Section of Rheumatology

 Park Nicollet Clinic

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Current Positions:

Consultant Rheumatologist

 Director, Park Nicollet Osteoporosis Center

 Park Nicollet Clinic

 3800 Park Nicollet Blvd.

 Minneapolis, MN 55416

 Research Investigator

 HealthPartners Institute

 3311 Old Shakopee Road

 Bloomington, MN 55425

 Adjunct Assistant Professor

 Division of Health Policy and Management

 School of Public Health

 University of Minnesota

 420 Delaware Street SE, MMC 729

Minneapolis, 55455

Chair, HealthPartners Park Nicollet Institutional Review Board

HealthPartners Institute

3800 Park Nicollet Blvd.

Minneapolis, MN 55416

High School: University High School

 Urbana, IL

 Graduated June, 1972

College: University of Illinois 1972-1976

 Urbana, IL

 B.S. Degree in Biochemistry June, 1976

 Magna Cum Laude

**Medical School:** Rush Medical College

 Chicago, IL

 M.D. Degree June 1980

Post-graduate Education:

Internship: Primary Care Internal Medicine Program

 Department of Medicine

 Oregon Health Sciences University

 Portland, OR June 1980 - June 1981

 Residency: Primary Care Internal Medicine Program

 Department of Medicine

 Oregon Health Sciences University

 Portland, OR July 1981 - June 1983

 Additional Training:

 Medical Registrar

 North Canterbury Hospital Board

 Christchurch, New Zealand August 1983 - May 1985

 Fellowship: Fellow, Section of Arthritis and

 Connective Tissue Diseases

 Northwestern University Medical School

 Chicago, IL July 1985 - June 1987

 Master’s of Science, Health Services Research and Policy,

Division of Health Services Research, Policy and Administration

 School of Public Health

 University of Minnesota

 Minneapolis, MN Sept 2001-March 2004

 Doctor of Philosophy, Health Services Research, Policy, and Administration

 Division of Health Policy and Management

 School of Public Health

 University of Minnesota

 Minneapolis, MN March 2004 – Jan 2009

Medical Licensure: State of Minnesota

Board Certification: American Board of Internal Medicine

 September 11, 1985

 ABIM subspecialty examination in

 Rheumatology November 1, 1988

Clinical Densitometrist, International Society for Clinical Densitometry January, 1996

Re-certified April, 2003; March, 2009; March 2014, March 2019

Honors: John S. Miller Award,

 Oregon Health Sciences University

 School of Medicine, Class of 1982

 (Excellence in teaching by a first year resident)

 Alpha Omega Alpha Honorary Medical Society, 1979

 Undergraduate Cardiology Prize, 1980

 Phi Beta Kappa, 1976

Phi Lambda Upsilon National Honorary Chemical Society, 1976

Professional Society Memberships:

 American Society for Bone and Mineral Research

 American College of Rheumatology

 International Society for Clinical Densitometry (ISCD)

Professional Society Leadership and other Activities

International Society for Clinical Densitometry (ISCD)

 Vice President, March 2011 – Feb 2012

 President Elect, March 2012 – March 2013

 President, March 2013 – Feb 2014

 Past President, March 2014 to present

Subcommittee Chair, Vertebral Fracture Recognition Course, April 2017 to present

Editorial Board, *Journal of Bone and Mineral Research*, Jan 2015 to present

Editorial Board, *Osteoporosis International*, Jan 2016 to present

Professional Society Guideline Committees

American College of Rheumatology; Task Force on treatment of rheumatoid arthritis 2008 through 2015

American Academy of Orthopaedic Surgeons; Guideline Committee on treatment of knee osteoarthritis, 2013 – 2014

International Society for Clinical Densitometry; Task Force on Vertebral Fracture Assessment 2004-2005, 2007 to 2008, and 2012 to 2013.

Chair, Steering Committee, ISCD Position Development Conference 2013

Steering Committee Member, ISCD Position Development Conference 2015

**Journal Publications:**

1. **Schousboe JT**, Davey K, Gilchrist NL, & Sainsbury R. Chronic polyarticular gout in the elderly: a report of six cases. Age & Aging 1986; 15: 8-16
2. **Schousboe JT**, Koch AE, Chang RW. Chronic lupus peritonitis: review of the literature with a case report. Semin Arthritis Rheum 1988;18(2):121-6.
3. **Schousboe JT**. Update on nonsteroidal anti-inflammatory drugs. The Park Nicollet Bulletin 1988;32(1):17-37.
4. Schned ES, Doyle MAT, Glickstein SL, **Schousboe JT**, Baglioni AJ, Tolson TJ. Team managed outpatient care for early onset chronic inflammatory arthritis. J Rheumatol 1995;22(6):1141-7.
5. **Schousboe, JT**. Diagnosis and management of osteoporosis; a comprehensive review. The Park Nicollet Bulletin, June 1998
6. Stern EB; Callinan N; Hank M; Lewis EJ; **Schousboe JT**; Ytterberg SR. Neoprene splinting: dermatological issues. American Journal of Occupational Therapy. 52(7):573-8, 1998 Jul-Aug.
7. Hoffman GC, Cid MC, Hellmann DB, Guillevin L, Stone JH, **Schousboe J**, et. al. A Multicenter, randomized, double-blind, placebo-controlled trial of adjuvant methotrexate treatment for giant cell arteritis. Arthritis Rheumatism 2002; 46(5): 1309 – 18.
8. **Schousboe JT**, DeBold CR, Bowles CA, Glickstein SL, Rubino RK. Prevalence of vertebral fracture deformity of the lateral thoracic and lumbar spines by X-ray absorptiometry in a population referred for bone densitometry.m J Clin Densitometry 2002; 5(3): 239-246.
9. **Schousboe JT**, Fink HA, Taylor BC, Stone KL, Hillier TA, Nevitt MC, Ensrud KE. Association between Self-Reported Prior Wrist Fractures and Risk of Subsequent Hip and Radiographic Vertebral Fractures in Older Women: a Prospective Study. J Bone Miner Res 2005; 20(1): 100-106
10. **Schousboe JT**, Nyman JA, Kane RL, Ensrud KE. Cost-Effectiveness of Alendronate Therapy for Osteopenic Post-Menopausal Women Without Prior Clinical Fracture. Ann Intern Med 2005; 142(9):734-741
11. **Schousboe JT**, Ensrud KE, Nyman JA, Melton LJ III, Kane RL. Universal bone densitometry combined with alendronate therapy for those diagnosed with osteoporosis is highly cost-effective for elderly women. J Am Geriatr Soc 2005; 53(10): 1697-1704.
12. **Schousboe JT**, Ensrud KE, Nyman JA, Kane RL, Melton LJ III. Potential Cost-Effective Use of Spine Radiographs to Detect Vertebral Deformity and Select Osteopenic Post-Menopausal Women for Amino-Bisphosphonate Therapy. Osteoporos Int 2005; 16(12): 1883-1893
13. **Schousboe JT**, DeBold CR, Kuno LS, Weiss TW, Chen Y-T, Abbott TA III. Osteoporosis Education and Phone Follow-up Does Not Improve Medication Usage, but Does Improve Calcium Intake and Exercise Frequency. Dis Manage Health Outcomes 2005; 13(6): 395-404.
14. Vokes T, Bachman D, Baim S, Binkley N, Broy S, Ferrar L, Lewiecki LM, Richmond B, **Schousboe J**. Vertebral Fracture Assessment: The 2005 ISCD Official Positions. J. Clin Densitom 2006; 9(1): 37-46.
15. **Schousboe JT**, DeBold CR. Reliability and accuracy of vertebral fracture assessment with densitometry compared to radiography in clinical practice. Osteoporos Int 2006; 17(2): 281-289.
16. **Schousboe JT,** Ensrud KE, Nyman JA, Kane RL, Melton LJ III. Cost-Effectiveness of Vertebral Fracture Assessment to Detect Prevalent Vertebral Deformity and Select Postmenopausal Women With a Femoral Neck T-Score > -2.5 for Alendronate Therapy: A Modeling Study. J Clin Densitom 2006; 9(2): 133-143.
17. **Schousboe JT**, Wilson KE, Kiel DP. Detection of Abdominal Aortic Calcification with Lateral Spine Imaging using DXA. J Clin Densitom 2006; 9(3): 302-308.
18. **Schousboe JT**, Fink HA, Lui, L-Y, Taylor BC, Ensrud KE. Association Between Prior Non-Spine Non-Hip Fractures or Prevalent Radiographic Vertebral Deformities Known to be at Least 10 Years Old and Incident Hip Fracture. J Bone Miner Res 2006; 21(10): 1557-1564.
19. **Schousboe JT**, Bauer DC, Nyman JA, Kane RL, Melton LJ III, Ensrud KE. Potential for bone turnover markers to cost-effectively identify and select post-menopausal osteopenic women at high risk of fracture for bisphosphonate therapy. Osteoporosis Int 2007; 18(2): 201-210.
20. **Schousboe, JT**. Cost-effectiveness Modeling Research of Pharmacologic Therapy to Prevent Osteoporosis-related Fractures. Curr Rheumatol Rep 2007; 9(1): 50-56.
21. **Schousboe JT**, Wilson KE, Hangartner TN Detection of Aortic Calcification during Vertebral Fracture Assessment (VFA) Compared to Digital Radiography. PLoS ONE 2007; 2(8): e715. doi:10.1371/journal.pone.0000715
22. **Schousboe JT**, Taylor BC, Fink HA, Kane RL, Cummings SR, Orwoll ES, Melton LJ III, Bauer DC, Ensrud KE. Cost-effectiveness of Bone Densitometry Followed by Treatment of Osteoporosis in Older Men JAMA 2007; 298(6): 629-637.
23. McHorney CA, **Schousboe JT**, Cline RR, Weiss TW. The Impact of Osteoporosis Medication Beliefs and Side Effect Experiences on Non-Adherence to Oral Bisphosphonates. Curr Med Res Opin 2007; 23(12): 3137-3152
24. **Schousboe JT**, Taylor BC, Kiel DP, Ensrud KE, Wilson KE, McCloskey EV. Abdominal Aortic Calcification Detected on Lateral Spine Images from a Bone Densitometer Predicts Incident Myocardial Infarction or Stroke in Older Women. J Bone Miner Res 2008; 23(3): 409-416
25. Ferrar L, Jiang G, DeBold CR, **Schousboe JT**, Eastell R. Algorithm-based qualitative and semiquantitative identification of prevalent vertebral fracture: agreement between different readers, imaging modalities and diagnostic approaches. J Bone Miner Res 2008; 23(3): 417-424
26. Lim LS, Fink HA, Kuskowski MA, Taylor BC, **Schousboe JT**, Ensrud KE. Loop Diuretic Use and Increased Rates of Hip Bone Loss in Older Men. Arch Intern Med 2008; 168(7): 735-740.
27. **Schousboe JT**, Vokes T, Broy SB, Ferrar L, McKiernan F, Roux C. Vertebral Fracture Assessment: Official 2007 ISCD Positions. J Clin Densitom 2008; 11(1): 92-108
28. Cummings SR, Ensrud K, Donaldson MG, Bauer DC, Sellmeyer D, **Schousboe JT**. The U.S. National Osteoporosis Foundation (NOF) Guidelines: Recommendations for Pharmacologic Treatment. IBMS BoneKEy. 2008; 5(4):137-141.
29. Fink HA, Harrison SL, Taylor BC, Cummings SR, **Schousboe JT**, Kuskowsk MA, Stone KL, Ensrud KE. Differences in Site-Specific Fracture Risk Among Older Women with Discordant Results for Osteoporosis at Hip and Spine: Study of Osteoporotic Fractures. J Clin Densitom 2008; 11(2): 250-259.
30. Ryder KM, Cummings SR, Palermo L, Satterfield S, Bauer DC, Feldstein AC, **Schousboe JT**, Schwartz AV, Ensrud KE. Does a History of Non-Vertebral Fracture Identify Women Without Osteoporosis for Treatment? J Gen Intern Med 2008; 23(8): 1177-1181.
31. **Schousboe JT**. Cost Effectiveness of Screen-and-Treat Strategies for Low Bone Mineral Density: How Do We Screen, Who Do We Screen and Who Do We Treat? Appl Health Econ Health Policy 2008; 6(1): 1-18.
32. Fink HA, Kuskowski MA, Taylor BC, **Schousboe JT**, Orwoll ES, Ensrud KE. Association of Parkinson’s disease with accelerated bone loss, fractures and mortality in older men: the Osteoporotic Fractures in Men (MrOS) study. Osteoporosis Int 2008; 19(9): 1277-1282.
33. Donaldson MG, Cawthon PM, Lui LY, **Schousboe JT**, Ensrud KE, Taylor BC, Cauley JA, Hillier TA, Black DM, Bauer DC, Cummings SR**.** Estimates of the Proportion of Older White Women Who Would be Recommended for Pharmacologic Treatment by the New US National Osteoporosis Foundation Guidelines Journal of Bone and Mineral Research, 2009; 24: 675-680
34. Clinton J, Franta A, Polissar NL, Neradilek B, Mounce D, Fink HA, Schousboe JT, Matsen FA, 3rd. Proximal humeral fracture as a risk factor for subsequent hip fractures. J Bone Joint Surg Am 2009; 91:503-511.
35. Swenson KK, Nissen MJ, Anderson E, Shapiro A, **Schousboe J**, Leach J. Effects of exercise vs bisphosphonates on bone mineral density in breast cancer patients receiving chemotherapy. J Support Oncol 2009; 7(3): 101-107.
36. **Schousboe JT**, Claflin D, Barrett-Connor E. Association of Coronary Aortic Calcium with Abdominal Aortic Calcium Detected on Lateral Dual Energy X-Ray Absorptiometry Spine Images. Am J Cardiol 2009; 104(8): 299-304
37. Donaldson MG, Palermo L, **Schousboe JT**, Ensrud KE, Hochberg MC, Cummings SR (2009) FRAX and Risk of Vertebral Fractures: The Fracture Intervention Trial (FIT). J Bone Miner Res 2009; 24(11): 1793-1799
38. Watts NB, Lewiecki EM, Bonnick SL, Laster AJ, Binkley N, Blank RD, Geusens PP, Miller PD, Petak SM, Recker RR, Saag KG, **Schousboe J**, Siris ES, Bilezikian JP. **Clinical Value of Monitoring BMD in Patients Treated With Bisphosphonates for Osteoporosis. J Bone Miner Res 2009; 24(10): 1643-1646.**
39. Ensrud KE, Lui L-Y, Taylor BC, **Schousboe JT**, Donaldson MG, Fink HA, Cauley JA, Hillier TA, Browner, WS, Cummings SR. A Comparison of prediction models for fractures in older women: is more better? Arch Intern Med 2009; 169(22): 2087-2094
40. Patrick AR, Brookhart MA, Losina E, **Schousboe JT**, Cadarette SM, Mogun H, Solomon DH. [The complex relation between bisphosphonate adherence and fracture reduction.](http://ovidsp.tx.ovid.com.floyd.lib.umn.edu/sp-3.2.3a/ovidweb.cgi?&S=JMFFFPHCHLDDKEEJNCDLDFJCNGFOAA00&Complete+Reference=S.sh.15%7c1%7c1) J Clin Endocr Metab 2010; 95(7): 3251-3259.
41. Tesch G, Amur S, **Schousboe JT**, Siegel JN, Lesko LJ, Bai JPF. Successes Achieved and Challenges Ahead in Translating Biomarkers into Clinical Applications. The AAPS Journal 2010; 12(3): 243-253
42. Donaldson MG, Cawthon PM, Lui, L-Y, **Schousboe JT**, Ensrud KE, Taylor BC, et al. (2010). Estimates of the proportion of older white men who would be recommended for pharmacologic treatment by the new US National Osteoporosis Foundation guidelines. J Bone Miner Res 2010; 25(7): 1506-1511.
43. **Schousboe JT**, Dowd, BE, Davison ML, Kane RL. Association of medication attitudes with non-persistence and non-compliance with medications to prevent fractures. Osteoporos Int. 2010; 21(11): 1899-1909.
44. Silverman S, **Schousboe JT**, Gold DT. Medication Adherence: a Matter of Choice? Osteoporos Int 2011; 22(2):21-26
45. **Schousboe JT**, , Davison ML, Dowd, BE , Call KT, Johnson P, Kane RL. Predictors of Patients’ Perceived Need for Medication to Prevent Fractures. Medical Care 2011; 49(3): 273-280
46. Ensrud KE, **Schousboe JT**. Vertebral Fractures. N Engl J Med 2011; 364: 1634-1642.
47. Donaldson MG, Cawthon PM, **Schousboe JT**, et al. Novel methods to evaluate fracture risk models. J Bone Miner Res 2011: 26(8): 1767-1773
48. **Schousboe JT**, Kerlikowske K, Loh A, Cummings SR. Personalizing Mammography by Breast Density and Other Risk Factors: Analysis of Health Benefits and Cost-effectiveness. Ann Intern Med 2011; 155: 10-20.
49. Patrick AR, **Schousboe JT**, Losina L, PhD, Solomon DH. The economics of improving medication adherence in osteoporosis: validation and application of a simulation model. J Clin Endocr Metab 2011; 96(9): 2762-2770
50. Leslie WD, **Schousboe JT**. A Review of Osteoporosis Diagnosis and Treatment Options in New and Recently Updated Guidelines on Case Finding around the World. Curr Osteoporosis Reports 2011; 9(3): 129-140
51. **Schousboe JT**, Gourlay ML. Comparative effectiveness and cost-effectiveness of strategies to screen for osteoporosis in postmenopausal women. [editorial] Ann Intern Med2011; 155(11): 788-789.
52. Singh JA. Furst DE. Bharat A. Curtis JR. Kavanaugh AF. Kremer JM. Moreland LW. O'Dell J. Winthrop KL. Beukelman T. Bridges SL Jr. Chatham WW. Paulus HE. Suarez-Almazor M. Bombardier C. Dougados M. Khanna D. King CM. Leong AL. Matteson EL. **Schousboe JT**. Moynihan E. Kolba KS. Jain A. Volkmann ER. Agrawal H. Bae S. Mudano AS. Patkar NM. Saag KG. 2012 update of the 2008 American College of Rheumatology recommendations for the use of disease-modifying antirheumatic drugs and biologic agents in the treatment of rheumatoid arthritis. Arthritis Care Res 2012; 64(5): 625-639.
53. **Schousboe JT**, Bauer DC. Clinical use of bone turnover markers to monitor pharmacologic fracture prevention therapy. Curr Osteoporos Rep 2012; 10(1): 56-63.
54. Donaldson MG, Palermo L, Hochberg M, Ensrud KE, **Schousboe JT**, Cummings S. Alendronate Efficacy Reducing Fractures by FRAX score and Femoral Neck BMD: the Fracture Intervention Trial. J Bone Miner Res 2012; 27(8): 1804-1810
55. **Schousboe, JT**. [Vertebral fracture assessment: is lateral spine imaging in the supine or decubitus position better?](http://ovidsp.tx.ovid.com.ezp3.lib.umn.edu/sp-3.10.0b/ovidweb.cgi?&S=EKOJFPPJIBDDJIKINCNKCFDCONIPAA00&Complete+Reference=S.sh.18%7c5%7c1) [editorial] J Clin Densitom 2012; 15(4): 389-391.
56. **Schousboe JT**, Gourlay M, Fink HA, Taylor BC, Orwoll ES, Barrett-Connor E, Melton LJ 3rd, Cummings SR, Ensrud KE. Cost-effectiveness of bone densitometry among Caucasian women and men without a prior fracture according to age and body weight. Osteoporos Int. 2013; 24(1): 163-177
57. **Schousboe JT** & M. L. Paudel & B. C. Taylor & B. A. Virnig & J. A. Cauley & J. R. Curtis & K. E. Ensrud. Magnitude and consequences of misclassification of incident hip fractures in large cohort studies: the Study of Osteoporotic Fractures and Medicare claims data Osteoporosis Int 2013; 24(3): 801-810 PMCID: PMC3738433
58. [**Schousboe JT**](http://www.ncbi.nlm.nih.gov/pubmed?term=Schousboe%20JT%5BAuthor%5D&cauthor=true&cauthor_uid=23334573). Adherence with Medications Used to Treat Osteoporosis: Behavioral Insights. [Curr Osteoporos Rep.](http://www.ncbi.nlm.nih.gov/pubmed/23334573) 2013; 11(1): 21-29
59. **Schousboe JT**, Brown GA. Cost-Effectiveness of Low Molecular Weight Heparin versus Aspirin Prophylaxis for the Prevention of Venous Thromboembolism post Total Joint Arthroplasty. J Bone Joint Surg 2013; 95(14): 1256-1264.
60. Paisansinsup T, Breitenstein M, **Schousboe JT**. Association Between Adverse Reactions to Allopurinol and Exposures to High Maintenance Doses J Clin Rheumatol 2013; 19: 180-186
61. **Schousboe JT**, Shepherd JA, Bilizekian JP, Baim S. Executive Summary of the 2013 International Society for Clinical Densitometry Position Development Conference on Bone Densitometry J Clin Densitom 2013; 16(4): 455-466.
62. Shepherd JA, Bilizekian JP, Baim S, **Schousboe JT**. Executive Summary of the 2013 International Society for Clinical Densitometry Position Development Conference on Body Composition J Clin Densitom 2013; 16(4): 489-495
63. Malabanan AO, Rosen HN, Vokes TJ, Deal CL, Alele JD, Olenginski TP, **Schousboe** **JT**. [Indications of DXA in Women Younger Than 65 years and Men Younger Than 70 years: The 2013 Official Positions.](http://www.ncbi.nlm.nih.gov.ezp3.lib.umn.edu/pubmed/24055260) J Clin Densitom 2013; 16(4): 467-471
64. Rosen HN, Vokes TJ, Malabanan AO, Deal CL, Alele JD, Olenginski TP, **Schousboe** **JT**. Vertebral Fracture Assessment: the 2013 Official Positions. J Clin Densitom 2013; 16(4):482-488
65. Jevsevar DS, Brown GA, Jones DL, Matzkin EG, Manner PA, Mooar P, **Schousboe JT**, Stovitz S, Sanders JO, Bozic KJ, Goldberg MJ, Martin WR 3rd, Cummins DS, Donnelly P, Woznica A, Gross L; American Academy of Orthopaedic Surgeons. [The American Academy of Orthopaedic Surgeons evidence-based guideline on: treatment of osteoarthritis of the knee, 2nd edition.](http://www.ncbi.nlm.nih.gov/pubmed/24288804) J Bone Joint Surg Am. 2013; 95(20):1885-1886
66. Szulc P, Blackwell T, **Schousboe JT**, Bauer DC, Cawthon P, Lane NE, Cummings SR, Orwoll ES, Black DM, Ensrud KE. [High hip fracture risk in men with severe aortic calcification - MrOS study.](http://www.ncbi.nlm.nih.gov.ezp3.lib.umn.edu/pubmed/23983224) J Bone Miner Res 2014; 29(4): 968-975.
67. **Schousboe JT**, Rosen HR, Vokes TJ, Cauley JA, Cummings SR, Nevitt MC, Black DM, Orwoll ES, Kado DM, Ensrud KE. Prediction Models of Prevalent Radiographic Vertebral Fractures Among Older Women. J Clin Densitom 2014; 17(3): 378-385.
68. **Schousboe JT**, Rosen HR, Vokes TJ, Cauley JA, Cummings SR, Nevitt MC, Black DM, Orwoll ES, Kado DM, Ensrud KE. Prediction Models of Prevalent Radiographic Vertebral Fractures Among Older Men. J Clin Densitom 2014; 25(4): 449-457
69. **Schousboe JT**, McKiernan FE, Fuehrer JT, Binkley N. Use of a performance algorithm improves utilization of vertebral fracture assessment in clinical practice. Osteoporos Int 2014; 25(3): 965-972
70. **Schousboe JT**, Tanner SB, Leslie WD. Definition of Osteoporosis by Bone Density Criteria in Men: Effect of Using Female instead of Male Young Reference Data Depends on Skeletal Site and Densitometer Manufacturer. J Clin Densitom 2014; 17(2):301-6
71. **Schousboe JT**, Paudel ML, Taylor BC, Mau L-W, Virnig BA, Ensrud KE, Dowd BE. Estimation of Standardized Hospital Costs from Medicare Claims that Reflect Resource Requirements for Care: Impact for Cohort Studies Linked to Medicare Claims. Health Services Research 2014; 49(3):929-49
72. Cawthon PM, Blackwell TM, Marshall LM, Fink HA, Kado DM, Ensrud KE, Cauley JA, Black D, Orwoll ES, **Schousboe JT**. Physical performance and radiographic and clinical vertebral fractures in older men J Bone Miner Res 2014; 29(9): 2101 – 2108
73. Lewiecki EM, Bilezikian JP, Bonewald L, Compston JE, Heaney RP, Kiel DP, Miller PD, **Schousboe JT.** Osteoporosis Update: Proceedings of the 2013 Santa Fe Bone Symposium. J Clin Densitom 2014; 17(3): 330-343.
74. Chou SH, Vokes TJ, Ma SL, Costello M, Rosen HR, **Schousboe JT.** Simplified Criteria for Selecting Patients for Vertebral Fracture Assessment. J Clin Densitom 2014; 7(3): 386-391
75. Solomon DH, Patrick AR, **Schousboe JT**, Losina E. The Potential Economic Benefits of Improved Post-Fracture Care: A Cost-Effectiveness Analysis of a Fracture Liaison Service in the US Health Care System. J Bone Miner Res. 2014; 29(7): 1667-1674.
76. Ensrud KE, Taylor BC, Peters KW, Gourlay ML, Donaldson MG, Leslie WD, Blackwell TL, Fink HA, Orwoll ES, **Schousboe J**. Implications of Expanding Indications for Drug Treatment to Prevent Fracture in the United States: cross sectional and longitudinal analyses of prospective cohort study. BMJ 2014; 349: g4120.
77. Cawthon PM, Haslam J, Fullman R, Peters KW, Black D, Ensrud KE, Cummings SR, Orwoll ES, Barrett-Connor E, Marshall L, Steiger P, **Schousboe JT**. [Methods and reliability of radiographic vertebral fracture detection in older men: The osteoporotic fractures in men study.](http://www.ncbi.nlm.nih.gov/pubmed/25003811) Bone 2014; 67: 152-155.
78. Mackey DC, Cauley JA, Barrett-Connor E, **Schousboe JT**, Cawthon PM, Cummings SR. [Life-space mobility and mortality in older men: a prospective cohort study.](http://www.ncbi.nlm.nih.gov/pubmed/24934163) J Am Geriatr Soc. 2014; 62(7): 1288-1296
79. **Schousboe JT**. ISCD 2014: State of the Society. J Clin Densitom. 2014; 17(3): 328-329
80. Fink HA, Kuskowski MA, Cauley JA, Taylor BC, **Schousboe JT**, Cawthon PM, Ensrud KE, For the Osteoporotic Fractures in Men Study Group. Association of stressful life events with accelerated bone loss in older men: the osteoporotic fractures in men (MrOS) study. Osteoporos Int 2014; 25: Online.
81. Gourlay ML, Overman RA, Fine JP, Ensrud KE, Crandall CJ, Gass ML, Robbins J, Johnson KC, LeBlanc ES, Womack CR, **Schousboe JT**, LaCroix AZ; for the Women’s Health Initiative Investigators. [Baseline age and time to major fracture in younger postmenopausal women.](http://www.ncbi.nlm.nih.gov.ezp2.lib.umn.edu/pubmed/25349960) Menopause 2015; 22(6): 589-597.
82. Ensrud KE, Blackwell TL, Cauley JA, Dam TT, Cawthon PM, **Schousboe JT**, Barrett-Connor E, Stone KL, Bauer DC, Shikany JM, Mackey DC; the Osteoporotic Fractures in Men Study Group. [Objective Measures of Activity Level and Mortality in Older Men.](http://www.ncbi.nlm.nih.gov.ezp2.lib.umn.edu/pubmed/25367147) J Am Geriatr Soc 2014; 62(11): 2079-2087
83. Forte ML, Butler M, Andrade KE, Vincent A, **Schousboe JT**, Kane RL [Treatments for Fibromyalgia in Adult Subgroups [Internet].](http://www.ncbi.nlm.nih.gov/pubmed/25719189) Rockville (MD): Agency for Healthcare Research and Quality (US); 2015 Jan. PMID: 2571918
84. **Schousboe JT**, Ensrud KE. Osteoporosis: Should Diagnostic Criteria be Expanded? Lancet Diabetes Endocrinology 2015; 3(4): 236-238 [Comment]
85. Szulc P, Blackwell T, Kiel DP, **Schousboe JT**, Cauley J, Hillier T, Hochberg M, Rodondi N, Taylor BC, Black D, Cummings S, Ensrud KE. Abdominal aortic calcification and risk of fracture among older women – the SOF study. Bone 2015; 81: 16-23.
86. Ensrud KE, Blackwell TL, Cawthon PM, Bauer DC, Fink HA, **Schousboe JT**, Black DM, Orwoll ES, Kado DM, Cauley JA, Mackey DC. Degree of Trauma Differs for Major Osteoporotic Fracture Events in Older Men vs. Older Women. J Bone Miner Res 2016; 31(1): 204-207. DOI: 10.1002/jbmr.2589 [epub ahead of print]
87. Shepherd JA, **Schousboe JT**, Broy SB, Engelke K, Leslie WD. [Executive Summary of the 2015 ISCD Position Development Conference on Advanced Measures From DXA and QCT: Fracture Prediction Beyond BMD.](http://www.ncbi.nlm.nih.gov/pubmed/26277847) J Clin Densitom. 2015 Jul-Sep;18(3):274-86. doi: 10.1016/j.jocd.2015.06.013. PMID 26277847
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**Book Chapters**

**Schousboe JT**, Chang RW: Diagnosis and Management of the Painful Knee, in Hadler NM (ed); Occupational Problems in Medical Practice. May, 1987.

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**Current Research Support:**

**Comorbidity and Screening Outcomes among Older Women Undergoing Mammography (Braithwaite)**

Source: NCI/R01CA207361

Role: Site PI 09/01/2016-08/31/2020

As life expectancy increases, it becomes increasingly imperative that the benefits and harms of preventive services such as screening mammography be evaluated and communicated to older populations. The continuing controversy over extending screening mammography to older women indicates a need for quantitative data to guide informed choices. To address this clinical and policy conundrum, our goal is to evaluate the benefits and harms of screening mammography among women aged 66 and older by making efficient and timely use of the Breast Cancer Surveillance Consortium (BCSC) and electronic health- and Medicare claims-based data from 1998 to 2016.

**Individual and Joint Effects of the Frailty Phenotype, Functional Limitations and Multimorbidity on Health Care Costs and Utilization (Ensrud)**

Source: NIA/R56AG057498

Role: Co-Investigator 09/30/2018 – 09/29/2019

The overarching objective of this proposal is to construct interpretable, generalizable and validated models of health care costs and utilization among older community dwelling adults that incorporate measures of frailty, functional limitations and multimorbidity. Findings will improve identification and characterization of older community-dwelling adults likely to require extensive and costly care; estimate potential cost savings from preventing and delaying progression to frailty and disability; and facilitate efficient targeting and design of interventions to reduce health care costs and utilization.

**A Prospective Observational Study to Assess the Impact of Sleep Health on Physical Function and Performance, and Quality of Life in Older Adults (Stone)**

Source: Merck, Inc

Role: Co-Investigator 09/01/2017 – 8/31/2019

Examine the association of individual dimensions of poor sleep health with subsequent 12 months inpatient and post-acute health care utilization among community-dwelling older adults.

**Latitude DXA Multi-Site Study**

Source: Hologic, Inc.

Role: Principal Investigator 07/01/2018-07/01/2019

The purpose of the study is to evaluate the precision and accuracy of a new bone densitometer, called the Latitude DXA System. The DXA System is not yet commercially available. The study will allow the direct comparison of scanning of the same subject taken on the Latitude DXA System and the Horizon or Discovery DXA System. The study will enroll up to 150 subjects, 18 years of age or older.

**Completed Research Support**

**Osteoporotic Fractures in Men (MrOS) Study (Ensrud)**

Source: NIA/U01AG042145

Role: Co-Investigator 05/01/2016-04/30/2019

Purpose: to define age-related trajectories in musculoskeletal health and physical activity in older men, and determine their associations with health care utilization and other outcomes. Analysis plans conducted under this RO1 have included estimation of the associations of central obesity measures (such as visceral adipose tissue measured by dual energy x-ray absorptiometry) with incident cardiovascular disease events, predictors of failure load estimated by high resolution peripheral quantitative computed tomography (HRpQCT), and the association of abdominal aortic calcification with subsequent health care costs and utilization**.**

**Study of Osteoporotic Fractures (Ensrud)**

Source: NIA/R01AG005394

Role: Co-Investigator 06/01/2016-05/31/2017

We propose to continue the prospective Study of Osteoporotic Fractures (SOF) and link the comprehensive SOF database with Medicare claims data to determine if age-related trajectories in cognitive function, physical performance, bone mineral density, body weight and positive affect predict phenotypes of optimal aging defined by longevity (including survivorship into the 10th decade of life), active lifespan (survival free of major disability), exceptional health span (survival free of major disease events) and rates of inpatient and residential health care utilization. We will study the 7760 women enrolled in SOF; of these over 2300 have survived to at least age 90. Identification of trajectories predicting survival with improved functional, disease and health care outcomes is a critical first step needed prior to the design of intervention studies aimed at targeting vulnerable older individuals at an earlier age.

**Predictors of Health Care Costs and Utilization Attributable to Hip Fractures (Ensrud, Schousboe)**

Source: NIA/R01AG038415

Role: Co-Principal Investigator 09/01/2011 – 08/31/2016

This study uses the linked dataset of the Study of Osteoporotic Fractures and participants’ Medicare claims to estimate the association of individual characteristics and local health care structural variables with total health care costs and utilization of inpatient short stay hospital, inpatient rehabilitation, and skilled nursing facilities attributable to hip fracture. Dr. Schousboe is leading the analyses and is lead author for the publications from this project.

**Study of Osteoporotic Fractures Competitive Renewal (Successful Aging) (Ensrud)**

Source: NIA/R01AG05394 - Competitive Renewal

Role: Co-Investigator 09/01/2011-05/31/2017

This study uses the linkage between SOF data with Medicare claims data and continued follow-up of SOF participants to identify women who have attained the phenotype of optimal aging. Dr. Schousboe is a co-investigator participating in these analyses and publications

**Secondary Analysis of Osteoporosis Screening in Older Men (Gourlay)**

Source: NIA/R01AG046294

Role: Co-Investigator 06/27/2016-04/30/2017

This study will examine time-to-fracture outcomes and fracture risk assessment approaches in older men. Results will provide a stronger evidence base for men’s fracture prevention clinical practice guidelines that are currently based on expert opinion, as current evidence is insufficient to support routine osteoporosis screening for fracture prevention in older men.

**Validation of Bindex Bone Ultrasonometer for Osteoporosis Diagnostics (Schousboe)**

Source: Bone Ultrasound Finland, Ltd.

Role: Principal Investigator 07/02/2013-12/31/2016

The purpose of this study was to establish the sensivity and specificity of a new pulse-echo ultrasound (2.5MHz) (Bindex®, Bone Index Finland Ltd., Kuopio, Finland) to detect osteoporosis at the femoral neck and total hip.

**EPC V RFTO #41 Appropriate Use of Pharmacologic Therapies for Osteoporosis Fracture Prevention (Fink)**

Source: AHRQ

Role: Co-Investigator 4/17/2017-1/18/2019

Osteoporosis is a skeletal disorder of low bone mass and deterioration of bone, leading to bone fragility and increased risk of fracture. Osteoporosis affects >10 million US adults aged >50 years, and about 2 million older Americans experience a fragility fracture each year. This study will perform a review on appropriate use of drug treatment for osteoporosis fracture prevention.

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