

Published Manuscripts

2005

1. Blank JB, Cawthon PM, Carrion-Petersen ML, Harper L, Johnson JP, Mitson E, Delay RR. [Overview of recruitment for the osteoporotic fractures in men study \(MrOS\)](#). *Contemp Clin Trials*. 2005;26(5):557-68.
2. Carpenter RD, Beaupre GS, Lang TF, Orwoll ES, Carter DR, Osteoporotic Fractures in Men Study G. [New QCT analysis approach shows the importance of fall orientation on femoral neck strength](#). *J Bone Miner Res*. 2005;20(9):1533-42.
3. Cauley JA, Fullman RL, Stone KL, Zmuda JM, Bauer DC, Barrett-Connor E, Ensrud K, Lau EM, Orwoll ES, Mr OSRG. [Factors associated with the lumbar spine and proximal femur bone mineral density in older men](#). *Osteoporos Int*. 2005;16(12):1525-37.
4. Daniels NA, Ewing SK, Zmuda JM, Wilt TJ, Bauer DC, Osteoporotic Fractures in Men Research G. [Correlates and prevalence of prostatitis in a large community-based cohort of older men](#). *Urology*. 2005;66(5):964-70.
5. Ensrud KE, Fullman RL, Barrett-Connor E, Cauley JA, Stefanick ML, Fink HA, Lewis CE, Orwoll E. [Voluntary weight reduction in older men increases hip bone loss: the osteoporotic fractures in men study](#). *J Clin Endocrinol Metab*. 2005;90(4):1998-2004.
6. Fink HA, Kuskowski MA, Orwoll ES, Cauley JA, Ensrud KE. [Association between Parkinson's disease and low bone density and falls in older men: the osteoporotic fractures in men study](#). *J Am Geriatr Soc*. 2005;53(9):1559-64.
7. Lim LS, Fink HA, Kuskowski MA, Cauley JA, Ensrud KE. [Diuretic use and bone mineral density in older USA men: the osteoporotic fractures in men \(MrOS\) study](#). *Age Ageing*. 2005;34(5):504-7.
8. Orwoll E, Blank JB, Barrett-Connor E, Cauley J, Cummings S, Ensrud K, Lewis C, Cawthon PM, Marcus R, Marshall LM, McGowan J, Phipps K, Sherman S, Stefanick ML, Stone K. [Design and baseline characteristics of the osteoporotic fractures in men \(MrOS\) study--a large observational study of the determinants of fracture in older men](#). *Contemp Clin Trials*. 2005;26(5):569-85.

2006

9. Cawthon PM, Harrison SL, Barrett-Connor E, Fink HA, Cauley JA, Lewis CE, Orwoll ES, Cummings SR. [Alcohol intake and its relationship with bone mineral density, falls, and fracture risk in older men](#). *J Am Geriatr Soc*. 2006;54(11):1649-57.
10. Cummings SR, Cawthon PM, Ensrud KE, Cauley JA, Fink HA, Orwoll ES. [BMD and risk of hip and nonvertebral fractures in older men: a prospective study and comparison with older women](#). *J Bone Miner Res*. 2006;21(10):1550-6.
11. Ensrud KE, Lewis CE, Lambert LC, Taylor BC, Fink HA, Barrett-Connor E, Cauley JA, Stefanick ML, Orwoll E. [Endogenous sex steroids, weight change and rates of hip bone loss in older men: the MrOS study](#). *Osteoporos Int*. 2006.

12. Fink HA, Ewing SK, Ensrud KE, Barrett-Connor E, Taylor BC, Cauley JA, Orwoll ES. [Association of testosterone and estradiol deficiency with osteoporosis and rapid bone loss in older men.](#) *J Clin Endocrinol Metab.* 2006;91(10):3908-15.
13. Marshall LM, Lang TF, Lambert LC, Zmuda JM, Ensrud KE, Orwoll ES. [Dimensions and volumetric BMD of the proximal femur and their relation to age among older U.S. men.](#) *J Bone Miner Res.* 2006;21(8):1197-206.
14. Orwoll E, Lambert LC, Marshall LM, Blank J, Barrett-Connor E, Cauley J, Ensrud K, Cummings SR. [Endogenous testosterone levels, physical performance, and fall risk in older men.](#) *Arch Intern Med.* 2006;166(19):2124-31.
15. Orwoll E, Lambert LC, Marshall LM, Phipps K, Blank J, Barrett-Connor E, Cauley J, Ensrud K, Cummings S. [Testosterone and estradiol among older men.](#) *J Clin Endocrinol Metab.* 2006;91(4):1336-44.
16. Taylor BC, Wilt TJ, Fink HA, Lambert LC, Marshall LM, Hoffman AR, Beer TM, Bauer DC, Zmuda JM, Orwoll ES. [Prevalence, severity, and health correlates of lower urinary tract symptoms among older men: The MrOS study.](#) *Urology.* 2006;68(4):804-9.
17. Vogt MT, Cawthon PM, Kang JD, Donaldson WF, Cauley JA, Nevitt MC. [Prevalence of symptoms of cervical and lumbar stenosis among participants in the osteoporotic fractures in men study.](#) *Spine.* 2006;31(13):1445-51.

2007

18. Bauer DC, Ewing SK, Cauley JA, Ensrud KE, Cummings SR, Orwoll ES. [Quantitative ultrasound predicts hip and non-spine fracture in men: the MrOS study.](#) *Osteoporos Int.* 2007.
19. Cawthon PM, Fink HA, Barrett-Connor E, Cauley JA, Dam TT, Lewis CE, Marshall LM, Orwoll ES, Cummings SR. [Alcohol use, physical performance, and functional limitations in older men.](#) *J Am Geriatr Soc.* 2007;55(2):212-20.
20. Cawthon PM, Marshall LM, Michael Y, Dam TT, Ensrud KE, Barrett-Connor E, Orwoll ES. [Frailty in older men: prevalence, progression, and relationship with mortality.](#) *J Am Geriatr Soc.* 2007;55(8):1216-23.
21. Chan BK, Marshall LM, Winters KM, Faulkner KA, Schwartz AV, Orwoll ES. [Incident Fall Risk and Physical Activity and Physical Performance among Older Men: The Osteoporotic Fractures in Men Study.](#) *Am J Epidemiol.* 2007;165(6):696-703.
22. Ferrar L, Jiang G, Cawthon PM, San Valentin R, Fullman R, Lambert L, Cummings SR, Black DM, Orwoll E, Barrett-Connor E, Ensrud K, Fink HA, Eastell R. [Identification of Vertebral Fracture and Non-Osteoporotic Short Vertebral Height in Men: The MrOS Study*.](#) *J Bone Miner Res.* 2007;22(9):1434-41.
23. Haney EM, Chan BK, Diem SJ, Ensrud KE, Cauley JA, Barrett-Connor E, Orwoll E, Bliziotis MM. [Association of low bone mineral density with selective serotonin reuptake inhibitor use by older men.](#) *Arch Intern Med.* 2007;167(12):1246-51.
24. Lewis CE, Ewing SK, Taylor BC, Shikany JM, Fink HA, Ensrud KE, Barrett-Connor E, Cummings SR, Orwoll E. [Predictors of Non-Spine Fracture in Elderly Men: The MrOS Study.](#) *J Bone Miner Res.* 2007;22(2):211-9.

25. Mackey DC, Lui LY, Cawthon PM, Bauer DC, Nevitt MC, Cauley JA, Hillier TA, Lewis CE, Barrett-Connor E, Cummings SR. [High-trauma fractures and low bone mineral density in older women and men.](#) *JAMA*. 2007;298(20):2381-8.
26. Mehra R, Stone KL, Blackwell T, Ancoli Israel S, Dam TT, Stefanick ML, Redline S. [Prevalence and correlates of sleep-disordered breathing in older men: osteoporotic fractures in men sleep study.](#) *J Am Geriatr Soc*. 2007;55(9):1356-64.
27. Phipps KR, Chan BK, Madden TE, Geurs NC, Reddy MS, Lewis CE, Orwoll ES. [Longitudinal study of bone density and periodontal disease in men.](#) *J Dent Res*. 2007;86(11):1110-4.
28. Schousboe JT, Taylor BC, Fink HA, Kane RL, Cummings SR, Orwoll ES, Melton LJ, 3rd, Bauer DC, Ensrud KE. [Cost-effectiveness of bone densitometry followed by treatment of osteoporosis in older men.](#) *JAMA*. 2007;298(6):629-37.
29. Shannon J, Shikany JM, Barrett-Connor E, Marshall LM, Bunker CH, Chan JM, Stone KL, Orwoll E. [Demographic factors associated with the diet quality of older US men: baseline data from the Osteoporotic Fractures in Men \(MrOS\) study.](#) *Public Health Nutr*. 2007;10(8):810-8.

2008

30. Barrett-Connor E, Dam TT, Stone K, Harrison SL, Redline S, Orwoll E. [The association of testosterone levels with overall sleep quality, sleep architecture, and sleep-disordered breathing.](#) *J Clin Endocrinol Metab*. 2008;93(7):2602-9.
31. Black DM, Bouxsein ML, Marshall LM, Cummings SR, Lang TF, Cauley JA, Ensrud KE, Nielson CM, Orwoll ES. [Proximal femoral structure and the prediction of hip fracture in men: a large prospective study using QCT.](#) *J Bone Miner Res*. 2008;23(8):1326-33.
32. Canales MT, Lui LY, Taylor BC, Ishani A, Mehra R, Stone KL, Redline S, Ensrud KE. [Renal function and sleep-disordered breathing in older men.](#) *Nephrol Dial Transplant*. 2008;23(12):3908-14.
33. Canales MT, Taylor BC, Ishani A, Mehra R, Steffes M, Stone KL, Redline S, Ensrud KE. [Reduced renal function and sleep-disordered breathing in community-dwelling elderly men.](#) *Sleep Med*. 2008;9(6):637-45.
34. Dam TT, Ewing S, Ancoli-Israel S, Ensrud K, Redline S, Stone K. [Association Between Sleep and Physical Function in Older Men: The Osteoporotic Fractures in Men Sleep Study.](#) *J Am Geriatr Soc*. 2008.
35. Delmonico MJ, Zmuda JM, Taylor BC, Cauley JA, Harris TB, Manini TM, Schwartz A, Li R, Roth SM, Hurley BF, Bauer DC, Ferrell RE, Newman AB. [Association of the ACTN3 genotype and physical functioning with age in older adults.](#) *J Gerontol A Biol Sci Med Sci*. 2008;63(11):1227-34.
36. Ensrud KE, Walczak TS, Blackwell TL, Ensrud ER, Barrett-Connor E, Orwoll ES. [Antiepileptic drug use and rates of hip bone loss in older men: a prospective study.](#) *Neurology*. 2008;71(10):723-30.
37. 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.](#) *Osteoporos Int*. 2008.

38. Freitas SS, Barrett-Connor E, Ensrud KE, Fink HA, Bauer DC, Cawthon PM, Lambert LC, Orwoll ES. [Rate and circumstances of clinical vertebral fractures in older men.](#) *Osteoporos Int.* 2008;19(5):615-23.
39. Ishani A, Paudel M, Taylor BC, Barrett-Connor E, Jamal S, Canales M, Steffes M, Fink HA, Orwoll E, Cummings SR, Ensrud KE. [Renal function and rate of hip bone loss in older men: the Osteoporotic Fractures in Men Study.](#) *Osteoporos Int.* 2008.
40. 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: the Osteoporotic Fractures in Men Study.](#) *Arch Intern Med.* 2008;168(7):735-40.
41. Lynn HS, Woo J, Leung PC, Barrett-Connor EL, Nevitt MC, Cauley JA, Adler RA, Orwoll ES. [An evaluation of osteoporosis screening tools for the osteoporotic fractures in men \(MrOS\) study.](#) *Osteoporos Int.* 2008;19(7):1087-92.
42. Mannen Cawthon P, Fullman RL, Marshall L, Mackey DC, Fink HA, Cauley JA, Cummings SR, Orwoll ES, Ensrud KE. [Physical Performance and Risk of Hip Fractures in Older Men.](#) *J Bone Miner Res.* 2008.
43. Marshall LM, Zmuda JM, Chan BK, Barrett-Connor E, Cauley JA, Ensrud KE, Lang TF, Orwoll ES. [Race and ethnic variation in proximal femur structure and BMD among older men.](#) *J Bone Miner Res.* 2008;23(1):121-30.
44. Patel SR, Blackwell T, Redline S, Ancoli-Israel S, Cauley JA, Hillier TA, Lewis CE, Orwoll ES, Stefanick ML, Taylor BC, Yaffe K, Stone KL. [The association between sleep duration and obesity in older adults.](#) *Int J Obes (Lond).* 2008;32(12):1825-34.
45. Paudel ML, Taylor BC, Diem SJ, Stone KL, Ancoli-Israel S, Redline S, Ensrud KE. [Association between depressive symptoms and sleep disturbances in community-dwelling older men.](#) *J Am Geriatr Soc.* 2008;56(7):1228-35.
46. Slinin Y, Paudel ML, Ishani A, Taylor BC, Yaffe K, Murray AM, Fink HA, Orwoll ES, Cummings SR, Barrett-Connor E, Jassal S, Ensrud KE. [Kidney function and cognitive performance and decline in older men.](#) *J Am Geriatr Soc.* 2008;56(11):2082-8.
47. Woo C, Chang LL, Ewing SK, Bauer DC. [Single-point assessment of warfarin use and risk of osteoporosis in elderly men.](#) *J Am Geriatr Soc.* 2008;56(7):1171-6.
48. Yu EW, Blackwell T, Ensrud KE, Hillier TA, Lane NE, Orwoll E, Bauer DC. [Acid-suppressive medications and risk of bone loss and fracture in older adults.](#) *Calcif Tissue Int.* 2008;83(4):251-9.

2009

49. Bauer DC, Garnero P, Harrison SL, Cauley JA, Eastell R, Ensrud KE, Orwoll E. [Biochemical markers of bone turnover, hip bone loss, and fracture in older men: the MrOS study.](#) *J Bone Miner Res.* 2009;24(12):2032-8.
50. Blackwell T, Cawthon PM, Marshall LM, Brand R. [Consistency of Leg Extension Power Assessments in Older Men: The Osteoporotic Fractures in Men \(MrOS\) Study.](#) *Am J Phys Med Rehabil.* 2009;88(11):934-40.
51. Cawthon PM, Ensrud KE, Laughlin GA, Cauley JA, Dam TT, Barrett-Connor E, Fink HA, Hoffman AR, Lau E, Lane NE, Stefanick ML, Cummings SR, Orwoll ES. [Sex hormones](#)

- [and frailty in older men: the osteoporotic fractures in men \(MrOS\) study.](#) *J Clin Endocrinol Metab.* 2009;94(10):3806-15.
52. Cawthon PM, Ewing SK, McCulloch CE, Ensrud KE, Cauley JA, Cummings SR, Orwoll ES. [Loss of hip BMD in older men: the osteoporotic fractures in men \(MrOS\) study.](#) *J Bone Miner Res.* 2009;24(10):1728-35.
 53. Cheng CY, Kao WH, Patterson N, Tandon A, Haiman CA, Harris TB, Xing C, John EM, Ambrosone CB, Brancati FL, Coresh J, Press MF, Parekh RS, Klag MJ, Meoni LA, Hsueh WC, Fejerman L, Pawlikowska L, Freedman ML, Jandorf LH, Bandera EV, Ciupak GL, Nalls MA, Akyzbekova EL, Orwoll ES, Leak TS, Miljkovic I, Li R, Ursin G, Bernstein L, Ardlie K, Taylor HA, Boerwinckle E, Zmuda JM, Henderson BE, Wilson JG, Reich D. [Admixture mapping of 15,280 African Americans identifies obesity susceptibility Loci on chromosomes 5 and X.](#) *PLoS Genet.* 2009;5(5):e1000490.
 54. Collins TC, Ewing SK, Diem SJ, Taylor BC, Orwoll ES, Cummings SR, Strotmeyer ES, Ensrud KE. [Peripheral arterial disease is associated with higher rates of hip bone loss and increased fracture risk in older men.](#) *Circulation.* 2009;119(17):2305-12.
 55. Ensrud KE, Blackwell TL, Redline S, Ancoli-Israel S, Paudel ML, Cawthon PM, Dam TT, Barrett-Connor E, Leung PC, Stone KL. [Sleep disturbances and frailty status in older community-dwelling men.](#) *J Am Geriatr Soc.* 2009;57(11):2085-93.
 56. Ensrud KE, Ewing SK, Cawthon PM, Fink HA, Taylor BC, Cauley JA, Dam TT, Marshall LM, Orwoll ES, Cummings SR. [A comparison of frailty indexes for the prediction of falls, disability, fractures, and mortality in older men.](#) *J Am Geriatr Soc.* 2009;57(3):492-8.
 57. Ensrud KE, Taylor BC, Paudel ML, Cauley JA, Cawthon PM, Cummings SR, Fink HA, Barrett-Connor E, Zmuda JM, Shikany JM, Orwoll ES. [Serum 25-hydroxyvitamin D levels and rate of hip bone loss in older men.](#) *J Clin Endocrinol Metab.* 2009;94(8):2773-80.
 58. Eriksson AL, Lorentzon M, Vandenput L, Labrie F, Lindersson M, Syvanen AC, Orwoll ES, Cummings SR, Zmuda JM, Ljunggren O, Karlsson MK, Mellstrom D, Ohlsson C. [Genetic variations in sex steroid-related genes as predictors of serum estrogen levels in men.](#) *J Clin Endocrinol Metab.* 2009;94(3):1033-41.
 59. Farhat GN, Taioli E, Cauley JA, Zmuda JM, Orwoll E, Bauer DC, Wilt TJ, Hoffman AR, Beer TM, Shikany JM, Daniels N, Chan J, Fink HA, Barrett-Connor E, Parsons JK, Bunker CH. [The association of bone mineral density with prostate cancer risk in the Osteoporotic Fractures in Men \(MrOS\) Study.](#) *Cancer Epidemiol Biomarkers Prev.* 2009;18(1):148-54.
 60. Faulkner KA, Chan BK, Cauley JA, Marshall LM, Ensrud KE, Stefanick ML, Orwoll ES. [Histories including number of falls may improve risk prediction for certain non-vertebral fractures in older men.](#) *Inj Prev.* 2009;15(5):307-11.
 61. Fu Y, Chen Z, Blakemore AI, Orwoll E, Cohen DM. [Absence of AVPR2 copy number variation in eunatremic and dysnatremic subjects in non-Hispanic Caucasian populations.](#) *Physiol Genomics.* 2009;40(3):121-7.
 62. Kezirian EJ, Harrison SL, Ancoli-Israel S, Redline S, Ensrud K, Goldberg AN, Claman DM, Spira AP, Stone KL. [Behavioral correlates of sleep-disordered breathing in older men.](#) *Sleep.* 2009;32(2):253-61.

63. Kuipers A, Zhang Y, Cauley JA, Nestlerode CS, Chu Y, Bunker CH, Patrick AL, Wheeler VW, Hoffman AR, Orwoll ES, Zmuda JM. [Association of a high mobility group gene \(HMGA2\) variant with bone mineral density](#). *Bone*. 2009;45(2):295-300.
64. LeBlanc ES, Nielson CM, Marshall LM, Lapidus JA, Barrett-Connor E, Ensrud KE, Hoffman AR, Laughlin G, Ohlsson C, Orwoll ES. [The effects of serum testosterone, estradiol, and sex hormone binding globulin levels on fracture risk in older men](#). *J Clin Endocrinol Metab*. 2009;94(9):3337-46.
65. LeBlanc ES, Wang PY, Janowsky JS, Neiss MB, Fink HA, Yaffe K, Marshall LM, Lapidus JA, Stefanick ML, Orwoll ES. [Association between sex steroids and cognition in elderly men](#). *Clin Endocrinol (Oxf)*. 2009;72(3):393-403.
66. Mehra R, Stone KL, Varosy PD, Hoffman AR, Marcus GM, Blackwell T, Ibrahim OA, Salem R, Redline S. [Nocturnal Arrhythmias across a spectrum of obstructive and central sleep-disordered breathing in older men: outcomes of sleep disorders in older men \(MrOS sleep\) study](#). *Arch Intern Med*. 2009;169(12):1147-55.
67. Miljkovic I, Cauley JA, Petit MA, Ensrud KE, Strotmeyer E, Sheu Y, Gordon CL, Goodpaster BH, Bunker CH, Patrick AL, Wheeler VW, Kuller LH, Faulkner KA, Zmuda JM. [Greater adipose tissue infiltration in skeletal muscle among older men of African ancestry](#). *J Clin Endocrinol Metab*. 2009;94(8):2735-42.
68. Nielson CM, Bouxsein ML, Freitas SS, Ensrud KE, Orwoll ES. [Trochanteric soft tissue thickness and hip fracture in older men](#). *J Clin Endocrinol Metab*. 2009;94(2):491-6.
69. Orwoll E, Nielson CM, Marshall LM, Lambert L, Holton KF, Hoffman AR, Barrett-Connor E, Shikany JM, Dam T, Cauley JA. [Vitamin D deficiency in older men](#). *J Clin Endocrinol Metab*. 2009;94(4):1214-22.
70. Orwoll ES, Chan BK, Lambert LC, Marshall LM, Lewis C, Phipps KR. [Sex steroids, periodontal health, and tooth loss in older men](#). *J Dent Res*. 2009;88(8):704-8.
71. Orwoll ES, Marshall LM, Nielson CM, Cummings SR, Lapidus J, Cauley JA, Ensrud K, Lane N, Hoffmann PR, Kopperdahl DL, Keaveny TM. [Finite element analysis of the proximal femur and hip fracture risk in older men](#). *J Bone Miner Res*. 2009;24(3):475-83.
72. Parsons JK, Mougey J, Lambert L, Wilt TJ, Fink HA, Garzotto M, Barrett-Connor E, Marshall LM. [Lower urinary tract symptoms increase the risk of falls in older men](#). *BJU Int*. 2009;104(1):63-8.
73. Phipps KR, Chan BK, Jennings-Holt M, Geurs NC, Reddy MS, Lewis CE, Orwoll ES. [Periodontal health of older men: the MrOS dental study](#). *Gerodontology*. 2009;26(2):122-9.
74. Rao MN, Blackwell T, Redline S, Stefanick ML, Ancoli-Israel S, Stone KL. [Association between sleep architecture and measures of body composition](#). *Sleep*. 2009;32(4):483-90.
75. Slinin Y, Paudel ML, Taylor BC, Fink HA, Ishani A, Canales MT, Yaffe K, Barrett-Connor E, Orwoll ES, Shikany JM, Leblanc ES, Cauley JA, Ensrud KE. [25-Hydroxyvitamin D levels and cognitive performance and decline in elderly men](#). *Neurology*. 2009;74(1):33-41.
76. Tang JY, Parimi N, Wu A, Boscardin WJ, Shikany JM, Chren MM, Cummings SR, Epstein EH, Jr., Bauer DC. [Inverse association between serum 25\(OH\) vitamin D levels and non-melanoma skin cancer in elderly men](#). *Cancer Causes Control*. 2009;21(3):387-91.

77. Tian W, Fu Y, Garcia-Elias A, Fernandez-Fernandez JM, Vicente R, Kramer PL, Klein RF, Hitzemann R, Orwoll ES, Wilmot B, McWeeney S, Valverde MA, Cohen DM. [A loss-of-function nonsynonymous polymorphism in the osmoregulatory TRPV4 gene is associated with human hyponatremia.](#) *Proc Natl Acad Sci U S A.* 2009;106(33):14034-9.
78. Wasserman L, Roeder K. [High Dimensional Variable Selection.](#) *Ann Stat.* 2009;37(5A):2178-201.
79. Yerges LM, Klei L, Cauley JA, Roeder K, Kammerer CM, Moffett SP, Ensrud KE, Nestlerode CS, Marshall LM, Hoffman AR, Lewis C, Lang TF, Barrett-Connor E, Ferrell RE, Orwoll ES, Zmuda JM. [High-density association study of 383 candidate genes for volumetric BMD at the femoral neck and lumbar spine among older men.](#) *J Bone Miner Res.* 2009;24(12):2039-49.

2010

80. Andersson N, Strandberg L, Nilsson S, Adamovic S, Karlsson MK, Ljunggren O, Mellstrom D, Lane NE, Zmuda JM, Nielsen C, Orwoll E, Lorentzon M, Ohlsson C, Jansson JO. [A variant near the interleukin-6 gene is associated with fat mass in Caucasian men.](#) *Int J Obes (Lond).* 2010;34(6):1011-9.
81. Barbour KE, Zmuda JM, Strotmeyer ES, Horwitz MJ, Boudreau R, Evans RW, Ensrud KE, Petit MA, Gordon CL, Cauley JA. [Correlates of trabecular and cortical volumetric bone mineral density of the radius and tibia in older men: the Osteoporotic Fractures in Men Study.](#) *J Bone Miner Res.* 2010;25(5):1017-28.
82. Barnett CM, Nielson CM, Shannon J, Chan JM, Shikany JM, Bauer DC, Hoffman AR, Barrett-Connor E, Orwoll E, Beer TM. [Serum 25-OH vitamin D levels and risk of developing prostate cancer in older men.](#) *Cancer Causes Control.* 2010;21(8):1297-303.
83. Barrett-Connor E, Nielson CM, Orwoll E, Bauer DC, Cauley JA. [Epidemiology of rib fractures in older men: Osteoporotic Fractures in Men \(MrOS\) prospective cohort study.](#) *BMJ.* 2010;340:c1069.
84. Cauley JA, Blackwell T, Zmuda JM, Fullman RL, Ensrud KE, Stone KL, Barrett-Connor E, Orwoll ES. [Correlates of trabecular and cortical volumetric bone mineral density at the femoral neck and lumbar spine: the osteoporotic fractures in men study \(MrOS\).](#) *J Bone Miner Res.* 2010;25(9):1958-71.
85. Cauley JA, Ewing SK, Taylor BC, Fink HA, Ensrud KE, Bauer DC, Barrett-Connor E, Marshall L, Orwoll ES. [Sex steroid hormones in older men: longitudinal associations with 4.5-year change in hip bone mineral density--the osteoporotic fractures in men study.](#) *J Clin Endocrinol Metab.* 2010;95(9):4314-23.
86. Cauley JA, Parimi N, Ensrud KE, Bauer DC, Cawthon PM, Cummings SR, Hoffman AR, Shikany JM, Barrett-Connor E, Orwoll E. [Serum 25-hydroxyvitamin D and the risk of hip and nonspine fractures in older men.](#) *J Bone Miner Res.* 2010;25(3):545-53.
87. Cawthon PM, Parimi N, Barrett-Connor E, Laughlin GA, Ensrud KE, Hoffman AR, Shikany JM, Cauley JA, Lane NE, Bauer DC, Orwoll ES, Cummings SR. [Serum 25-hydroxyvitamin D, parathyroid hormone, and mortality in older men.](#) *J Clin Endocrinol Metab.* 2010;95(10):4625-34.

88. Chaganti RK, Parimi N, Cawthon P, Dam TL, Nevitt MC, Lane NE. [Association of 25-hydroxyvitamin D with prevalent osteoarthritis of the hip in elderly men: the osteoporotic fractures in men study](#). *Arthritis Rheum*. 2010;62(2):511-4.
89. Chaganti RK, Parimi N, Lang T, Orwoll E, Stefanick ML, Nevitt M, Lane NE. [Bone mineral density and prevalent osteoarthritis of the hip in older men for the Osteoporotic Fractures in Men \(MrOS\) Study Group](#). *Osteoporos Int*. 2010;21(8):1307-16.
90. Cooper R, Kuh D, Hardy R. [Objectively measured physical capability levels and mortality: systematic review and meta-analysis](#). *BMJ*. 2010;341:c4467.
91. Cousins JM, Petit MA, Paudel ML, Taylor BC, Hughes JM, Cauley JA, Zmuda JM, Cawthon PM, Ensrud KE. [Muscle power and physical activity are associated with bone strength in older men: The osteoporotic fractures in men study](#). *Bone*. 2010;47(2):205-11.
92. Dam TT, Harrison S, Fink HA, Ramsdell J, Barrett-Connor E. [Bone mineral density and fractures in older men with chronic obstructive pulmonary disease or asthma](#). *Osteoporos Int*. 2010;21(8):1341-9.
93. Daniels NA, Nielson CM, Hoffman AR, Bauer DC. [Sex hormones and the risk of incident prostate cancer](#). *Urology*. 2010;76(5):1034-40.
94. Denard PJ, Holton KF, Miller J, Fink HA, Kado DM, Marshall LM, Yoo JU. [Back pain, neurogenic symptoms, and physical function in relation to spondylolisthesis among elderly men](#). *Spine J*. 2010;10(10):865-73.
95. Denard PJ, Holton KF, Miller J, Fink HA, Kado DM, Yoo JU, Marshall LM. [Lumbar spondylolisthesis among elderly men: prevalence, correlates, and progression](#). *Spine (Phila Pa 1976)*. 2010;35(10):1072-8.
96. Donaldson MG, Cawthon PM, Lui LY, Schousboe JT, Ensrud KE, Taylor BC, Cauley JA, Hillier TA, Dam TT, Curtis JR, Black DM, Bauer DC, Orwoll ES, Cummings SR. [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):1506-11.
97. Janney CA, Cauley JA, Cawthon PM, Kriska AM. [Longitudinal physical activity changes in older men in the Osteoporotic Fractures in Men Study](#). *J Am Geriatr Soc*. 2010;58(6):1128-33.
98. Kerkhof HJ, Lories RJ, Meulenbelt I, Jonsdottir I, Valdes AM, Arp P, Ingvarsson T, Jhamai M, Jonsson H, Stolk L, Thorleifsson G, Zhai G, Zhang F, Zhu Y, van der Breggen R, Carr A, Doherty M, Doherty S, Felson DT, Gonzalez A, Halldorsson BV, Hart DJ, Hauksson VB, Hofman A, Ioannidis JP, Kloppenburg M, Lane NE, Loughlin J, Luyten FP, Nevitt MC, Parimi N, Pols HA, Rivadeneira F, Slagboom EP, Styrkarsdottir U, Tsezou A, van de Putte T, Zmuda J, Spector TD, Stefansson K, Uitterlinden AG, van Meurs JB. [A genome-wide association study identifies an osteoarthritis susceptibility locus on chromosome 7q22](#). *Arthritis Rheum*. 2010;62(2):499-510.
99. Marcus GM, Olgin JE, Whooley M, Vittinghoff E, Stone KL, Mehra R, Hulley SB, Schiller NB. [Racial differences in atrial fibrillation prevalence and left atrial size](#). *Am J Med*. 2010;123(4):375 e1-7.
100. Meng J, Ohlsson C, Laughlin GA, Chonchol M, Wassel CL, Ljunggren O, Karlsson MK, Mellstrom D, Orwoll ES, Barrett-Connor E, Ix JH. [Associations of estradiol and](#)

- [testosterone with serum phosphorus in older men: the Osteoporotic Fractures in Men study](#). *Kidney Int.* 2010;78(4):415-22.
101. Meng J, Wassel CL, Kestenbaum BR, Collins TC, Criqui MH, Lewis CE, Cummings SR, Ix JH. [Serum phosphorus levels and the spectrum of ankle-brachial index in older men: the Osteoporotic Fractures in Men \(MrOS\) study](#). *Am J Epidemiol.* 2010;171(8):909-16.
 102. Michael YL, Perdue LA, Orwoll ES, Stefanick ML, Marshall LM. [Physical activity resources and changes in walking in a cohort of older men](#). *Am J Public Health.* 2010;100(4):654-60.
 103. Nam HS, Shin MH, Zmuda JM, Leung PC, Barrett-Connor E, Orwoll ES, Cauley JA. [Race/ethnic differences in bone mineral densities in older men](#). *Osteoporos Int.* 2010;21(12):2115-23.
 104. Orwoll ES, Nielson CM, Labrie F, Barrett-Connor E, Cauley JA, Cummings SR, Ensrud K, Karlsson M, Lau E, Leung PC, Lunggren O, Mellstrom D, Patrick AL, Stefanick ML, Nakamura K, Yoshimura N, Zmuda J, Vandenput L, Ohlsson C. [Evidence for geographical and racial variation in serum sex steroid levels in older men](#). *J Clin Endocrinol Metab.* 2010;95(10):E151-60.
 105. Parsons JK, Wilt TJ, Wang PY, Barrett-Connor E, Bauer DC, Marshall LM. [Progression of lower urinary tract symptoms in older men: a community based study](#). *J Urol.* 2010;183(5):1915-20.
 106. Paudel ML, Taylor BC, Ancoli-Israel S, Blackwell T, Stone KL, Tranah G, Redline S, Cummings SR, Ensrud KE. [Rest/activity rhythms and mortality rates in older men: MrOS Sleep Study](#). *Chronobiol Int.* 2010;27(2):363-77.
 107. Petit MA, Paudel ML, Taylor BC, Hughes JM, Strotmeyer ES, Schwartz AV, Cauley JA, Zmuda JM, Hoffman AR, Ensrud KE. [Bone mass and strength in older men with type 2 diabetes: the Osteoporotic Fractures in Men Study](#). *J Bone Miner Res.* 2010;25(2):285-91.
 108. Yerges LM, Klei L, Cauley JA, Roeder K, Kammerer CM, Ensrud KE, Nestlerode CS, Lewis C, Lang TF, Barrett-Connor E, Moffett SP, Hoffman AR, Ferrell RE, Orwoll ES, Zmuda JM. [Candidate gene analysis of femoral neck trabecular and cortical volumetric bone mineral density in older men](#). *J Bone Miner Res.* 2010;25(2):330-8.
- 2011**
109. Barbour KE, Zmuda JM, Horwitz MJ, Strotmeyer ES, Boudreau R, Evans RW, Ensrud KE, Gordon CL, Petit MA, Patrick AL, Cauley JA. [The association of serum 25-hydroxyvitamin D with indicators of bone quality in men of Caucasian and African ancestry](#). *Osteoporos Int.* 2011;22(9):2475-85.
 110. Bhasin S, Pencina M, Jasuja GK, Travison TG, Coviello A, Orwoll E, Wang PY, Nielson C, Wu F, Tajar A, Labrie F, Vesper H, Zhang A, Ulloor J, Singh R, D'Agostino R, Vasani RS. [Reference ranges for testosterone in men generated using liquid chromatography tandem mass spectrometry in a community-based sample of healthy nonobese young men in the Framingham Heart Study and applied to three geographically distinct cohorts](#). *J Clin Endocrinol Metab.* 2011;96(8):2430-9.

111. Blackwell T, Ancoli-Israel S, Redline S, Stone KL. [Factors that may influence the classification of sleep-wake by wrist actigraphy: the MrOS Sleep Study.](#) *J Clin Sleep Med.* 2011;7(4):357-67.
112. Blackwell T, Yaffe K, Ancoli-Israel S, Redline S, Ensrud KE, Stefanick ML, Laffan A, Stone KL. [Association of sleep characteristics and cognition in older community-dwelling men: the MrOS sleep study.](#) *SLEEP.* 2011;34(10):1347-56.
113. Blackwell T, Yaffe K, Ancoli-Israel S, Redline S, Ensrud KE, Stefanick ML, Laffan A, Stone KL. [Associations Between Sleep Architecture and Sleep-Disordered Breathing and Cognition in Older Community-Dwelling Men: The Osteoporotic Fractures in Men Sleep Study.](#) *J Am Geriatr Soc.* 2011;59(12):2217-25.
114. Canales MT, Paudel ML, Taylor BC, Ishani A, Mehra R, Steffes M, Stone KL, Redline S, Ensrud KE. [Sleep-disordered breathing and urinary albumin excretion in older men.](#) *Sleep Breath.* 2011;15(1):137-44.
115. Diederichs G, Engelken F, Marshall LM, Peters K, Black DM, Issever AS, Barrett-Connor E, Orwoll E, Hamm B, Link TM. [Diffuse idiopathic skeletal hyperostosis \(DISH\): relation to vertebral fractures and bone density.](#) *Osteoporos Int.* 2011;22(6):1789-97.
116. Ensrud KE, Blackwell TL, Cauley JA, Cummings SR, Barrett-Connor E, Dam TT, Hoffman AR, Shikany JM, Lane NE, Stefanick ML, Orwoll ES, Cawthon PM. [Circulating 25-hydroxyvitamin D levels and frailty in older men: the osteoporotic fractures in men study.](#) *J Am Geriatr Soc.* 2011;59(1):101-6.
117. Everson-Rose SA, Paudel M, Taylor BC, Dam T, Cawthon PM, Leblanc E, Strotmeyer ES, Cauley JA, Stefanick ML, Barrett-Connor E, Ensrud KE. [Metabolic syndrome and physical performance in elderly men: the osteoporotic fractures in men study.](#) *J Am Geriatr Soc.* 2011;59(8):1376-84.
118. Fung MM, Peters K, Redline S, Ziegler MG, Ancoli-Israel S, Barrett-Connor E, Stone KL. [Decreased slow wave sleep increases risk of developing hypertension in elderly men.](#) *Hypertension.* 2011;58(4):596-603.
119. Holton KF, Denard PJ, Yoo JU, Kado DM, Barrett-Connor E, Marshall LM. [Diffuse idiopathic skeletal hyperostosis and its relation to back pain among older men: the MrOS Study.](#) *Semin Arthritis Rheum.* 2011;41(2):131-8.
120. Javaid MK, Prieto-Alhambra D, Lui LY, Cawthon P, Arden NK, Lang T, Lane NE, Orwoll E, Barrett-Connor E, Nevitt MC, Cooper C, Cummings SR. [Self-reported weight at birth predicts measures of femoral size but not volumetric BMD in elderly men: MrOS.](#) *J Bone Miner Res.* 2011;26(8):1802-7.
121. Kerkhof HJ, Meulenbelt I, Akune T, Arden NK, Aromaa A, Bierma-Zeinstra SM, Carr A, Cooper C, Dai J, Doherty M, Doherty SA, Felson D, Gonzalez A, Gordon A, Harilainen A, Hart DJ, Hauksson VB, Heliovaara M, Hofman A, Ikegawa S, Ingvarsson T, Jiang Q, Jonsson H, Jonsdottir I, Kawaguchi H, Kloppenburg M, Kujala UM, Lane NE, Leino-Arjas P, Lohmander LS, Luyten FP, Malizos KN, Nakajima M, Nevitt MC, Pols HA, Rivadeneira F, Shi D, Slagboom E, Spector TD, Stefansson K, Sudo A, Tamm A, Tamm AE, Tsezou A, Uchida A, Uitterlinden AG, Wilkinson JM, Yoshimura N, Valdes AM, van Meurs JB. [Recommendations for standardization and phenotype definitions in genetic studies of osteoarthritis: the TREAT-OA consortium.](#) *Osteoarthritis Cartilage.* 2011;19(3):254-64.

122. Koo BB, Blackwell T, Ancoli-Israel S, Stone KL, Stefanick ML, Redline S. [Association of incident cardiovascular disease with periodic limb movements during sleep in older men: outcomes of sleep disorders in older men \(MrOS\) study.](#) *Circulation*. 2011;124(11):1223-31.
123. Kripke DF, Nievergelt CM, Tranah GJ, Murray SS, McCarthy MJ, Rex KM, Parimi N, Kelsoe JR. [Polymorphisms in melatonin synthesis pathways: possible influences on depression.](#) *J Circadian Rhythms*. 2011;9:8.
124. LeBlanc ES, Wang PY, Lee CG, Barrett-Connor E, Cauley JA, Hoffman AR, Laughlin GA, Marshall LM, Orwoll ES. [Higher testosterone levels are associated with less loss of lean body mass in older men.](#) *J Clin Endocrinol Metab*. 2011;96(12):3855-63.
125. Lee CG, Boyko EJ, Barrett-Connor E, Miljkovic I, Hoffman AR, Everson-Rose SA, Lewis CE, Cawthon PM, Strotmeyer ES, Orwoll ES. [Insulin sensitizers may attenuate lean mass loss in older men with diabetes.](#) *Diabetes Care*. 2011;34(11):2381-6.
126. Lee CG, Boyko EJ, Nielson CM, Stefanick ML, Bauer DC, Hoffman AR, Dam TT, Lapidus JA, Cawthon PM, Ensrud KE, Orwoll ES. [Mortality risk in older men associated with changes in weight, lean mass, and fat mass.](#) *J Am Geriatr Soc*. 2011;59(2):233-40.
127. Lee CG, Boyko EJ, Strotmeyer ES, Lewis CE, Cawthon PM, Hoffman AR, Everson-Rose SA, Barrett-Connor E, Orwoll ES. [Association between insulin resistance and lean mass loss and fat mass gain in older men without diabetes mellitus.](#) *J Am Geriatr Soc*. 2011;59(7):1217-24.
128. Mackey DC, Hubbard AE, Cawthon PM, Cauley JA, Cummings SR, Tager IB. [Usual physical activity and hip fracture in older men: an application of semiparametric methods to observational data.](#) *Am J Epidemiol*. 2011;173(5):578-86.
129. Nielson CM, Marshall LM, Adams AL, LeBlanc ES, Cawthon PM, Ensrud K, Stefanick ML, Barrett-Connor E, Orwoll ES. [BMI and fracture risk in older men: the osteoporotic fractures in men study \(MrOS\).](#) *J Bone Miner Res*. 2011;26(3):496-502.
130. Nielson CM, Zmuda JM, Carlos AS, Wagoner WJ, Larson EA, Orwoll ES, Klein RF. [Rare coding variants in ALPL are associated with low serum alkaline phosphatase and low bone mineral density.](#) *J Bone Miner Res*. 2011.
131. Panoutsopoulou K, Southam L, Elliott KS, Wrayner N, Zhai G, Beazley C, Thorleifsson G, Arden NK, Carr A, Chapman K, Deloukas P, Doherty M, McCaskie A, Ollier WE, Ralston SH, Spector TD, Valdes AM, Wallis GA, Wilkinson JM, Arden E, Battley K, Blackburn H, Blanco FJ, Bumpstead S, Cupples LA, Day-Williams AG, Dixon K, Doherty SA, Esko T, Evangelou E, Felson D, Gomez-Reino JJ, Gonzalez A, Gordon A, Gwilliam R, Halldorsson BV, Hauksson VB, Hofman A, Hunt SE, Ioannidis JP, Ingvarsson T, Jonsdottir I, Jonsson H, Keen R, Kerkhof HJ, Kloppenburg MG, Koller N, Lakenberg N, Lane NE, Lee AT, Metspalu A, Meulenbelt I, Nevitt MC, O'Neill F, Parimi N, Potter SC, Rego-Perez I, Riancho JA, Sherburn K, Slagboom PE, Stefansson K, Stykarsdottir U, Sumillera M, Swift D, Thorsteinsdottir U, Tsezou A, Uitterlinden AG, van Meurs JB, Watkins B, Wheeler M, Mitchell S, Zhu Y, Zmuda JM, Zeggini E, Loughlin J. [Insights into the genetic architecture of osteoarthritis from stage 1 of the arcOGEN study.](#) *Ann Rheum Dis*. 2011;70(5):864-7.

132. Parsons JK, Messer K, White M, Barrett-Connor E, Bauer DC, Marshall LM. [Obesity increases and physical activity decreases lower urinary tract symptom risk in older men: the Osteoporotic Fractures in Men study](#). *Eur Urol*. 2011;60(6):1173-80.
133. Paudel ML, Taylor BC, Ancoli-Israel S, Stone KL, Tranah G, Redline S, Barrett-Connor E, Stefanick ML, Ensrud KE. [Rest/Activity rhythms and cardiovascular disease in older men](#). *Chronobiol Int*. 2011;28(3):258-66.
134. Rosengren B, Ribom EL, Nilsson JA, Ljunggren O, Ohlsson C, Mellstrom D, Lorentzon M, Mallmin H, Stefanick ML, Lapidus J, Leung PC, Kwok A, Barrett-Connor E, Orwoll E, Karlsson MK. [There is in elderly men a group difference between fallers and non-fallers in physical performance tests](#). *Age Ageing*. 2011;40(6):744-9.
135. Schwartz AV, Vittinghoff E, Bauer DC, Hillier TA, Strotmeyer ES, Ensrud KE, Donaldson MG, Cauley JA, Harris TB, Koster A, Womack CR, Palermo L, Black DM. [Association of BMD and FRAX score with risk of fracture in older adults with type 2 diabetes](#). *JAMA*. 2011;305(21):2184-92.
136. Sheu Y, Cauley JA, Wheeler VW, Patrick AL, Bunker CH, Ensrud KE, Orwoll ES, Zmuda JM. [Age-related decline in bone density among ethnically diverse older men](#). *Osteoporos Int*. 2011;22(2):599-605.
137. Sheu Y, Zmuda JM, Boudreau RM, Petit MA, Ensrud KE, Bauer DC, Gordon CL, Orwoll ES, Cauley JA. [Bone strength measured by peripheral quantitative computed tomography and the risk of nonvertebral fractures: the osteoporotic fractures in men \(MrOS\) study](#). *J Bone Miner Res*. 2011;26(1):63-71.
138. Song Y, Ancoli-Israel S, Lewis CE, Redline S, Harrison SL, Stone KL. [The association of race/ethnicity with objectively measured sleep characteristics in older men](#). *Behav Sleep Med*. 2011;10(1):54-69.
139. Studenski S, Perera S, Patel K, Rosano C, Faulkner K, Inzitari M, Brach J, Chandler J, Cawthon P, Connor EB, Nevitt M, Visser M, Kritchevsky S, Badinelli S, Harris T, Newman AB, Cauley J, Ferrucci L, Guralnik J. [Gait speed and survival in older adults](#). *JAMA*. 2011;305(1):50-8.

2012

140. Barrett-Connor E, Laughlin GA, Li H, Nielson CM, Wang PY, Dam TT, Cauley JA, Ensrud KE, Stefanick ML, Lau E, Hoffman AR, Orwoll ES. [The association of concurrent vitamin D and sex hormone deficiency with bone loss and fracture risk in older men: the osteoporotic fractures in men \(MrOS\) study](#). *J Bone Miner Res*. 2012;27(11):2306-13.
141. Cawthon PM, Ewing SK, Mackey DC, Fink HA, Cummings SR, Ensrud KE, Stefanick ML, Bauer DC, Cauley JA, Orwoll ES. [Change in hip bone mineral density and risk of subsequent fractures in older men](#). *J Bone Miner Res*. 2012;27(10):2179-88.
142. Chan JM, Litwack-Harrison S, Bauer SR, Daniels NA, Wilt TJ, Shannon J, Bauer DC. [Statin use and risk of prostate cancer in the prospective Osteoporotic Fractures in Men \(MrOS\) Study](#). *Cancer Epidemiol Biomarkers Prev*. 2012;21(10):1886-8.
143. Curtis JR, Ewing SK, Bauer DC, Cauley JA, Cawthon PM, Barrett-Connor E, Haney EM, Ishani A, Cremers S, Orwoll E. [Association of intact parathyroid hormone levels with](#)

- [subsequent hip BMD loss: the Osteoporotic Fractures in Men \(MrOS\) Study.](#) *J Clin Endocrinol Metab.* 2012;97(6):1937-44.
144. Ensrud KE, Blackwell TL, Ancoli-Israel S, Redline S, Cawthon PM, Paudel ML, Dam TT, Stone KL. [Sleep disturbances and risk of frailty and mortality in older men.](#) *Sleep Med.* 2012;13(10):1217-25.
 145. Ettinger B, Liu H, Blackwell T, Hoffman AR, Ensrud KE, Orwoll ES. [Validation of FRC, a fracture risk assessment tool, in a cohort of older men: the Osteoporotic Fractures in Men \(MrOS\) Study.](#) *J Clin Densitom.* 2012;15(3):334-42.
 146. Karlsson MK, Ribom E, Nilsson JA, Ljunggren O, Ohlsson C, Mellstrom D, Lorentzon M, Mallmin H, Stefanick M, Lapidus J, Leung PC, Kwok A, Barrett-Connor E, Orwoll E, Rosengren BE. [Inferior physical performance tests in 10,998 men in the MrOS study is associated with recurrent falls.](#) *Age Ageing.* 2012;41(6):740-6.
 147. Kwok T, Leung J, Zhang YF, Bauer D, Ensrud KE, Barrett-Connor E, Leung PC. [Does the use of ACE inhibitors or angiotensin receptor blockers affect bone loss in older men?](#) *Osteoporos Int.* 2012;23(8):2159-67.
 148. Messenger W, Nielson CM, Li H, Beer T, Barrett-Connor E, Stone K, Shannon J. [Serum and dietary vitamin D and cardiovascular disease risk in elderly men: a prospective cohort study.](#) *Nutr Metab Cardiovasc Dis.* 2012;22(10):856-63.
 149. Patel SR, Blackwell T, Ancoli-Israel S, Stone KL. [Sleep characteristics of self-reported long sleepers.](#) *SLEEP.* 2012;35(5):641-8.
 150. Rosengren BE, Ribom EL, Nilsson JA, Mallmin H, Ljunggren O, Ohlsson C, Mellstrom D, Lorentzon M, Stefanick M, Lapidus J, Leung PC, Kwok A, Barrett-Connor E, Orwoll E, Karlsson MK. [Inferior physical performance test results of 10,998 men in the MrOS Study is associated with high fracture risk.](#) *Age Ageing.* 2012;41(3):339-44.
 151. Snyder CK, Lapidus JA, Cawthon PM, Dam TT, Sakai LY, Marshall LM. [Serum albumin in relation to change in muscle mass, muscle strength, and muscle power in older men.](#) *J Am Geriatr Soc.* 2012;60(9):1663-72.
 152. Spira AP, Beaudreau SA, Stone KL, Kezirian EJ, Lui LY, Redline S, Ancoli-Israel S, Ensrud K, Stewart A. [Reliability and validity of the Pittsburgh Sleep Quality Index and the Epworth Sleepiness Scale in older men.](#) *J Gerontol A Biol Sci Med Sci.* 2012;67(4):433-9.
 153. Wang X, Sanyal A, Cawthon PM, Palermo L, Jekir M, Christensen J, Ensrud KE, Cummings SR, Orwoll E, Black DM, Keaveny TM. [Prediction of new clinical vertebral fractures in elderly men using finite element analysis of CT scans.](#) *J Bone Miner Res.* 2012;27(4):808-16.
 154. Waring AC, Harrison S, Samuels MH, Ensrud KE, Le BES, Hoffman AR, Orwoll E, Fink HA, Barrett-Connor E, Bauer DC. [Thyroid function and mortality in older men: a prospective study.](#) *J Clin Endocrinol Metab.* 2012;97(3):862-70.
 155. Yang L, Burton AC, Bradburn M, Nielson CM, Orwoll ES, Eastell R. [Distribution of bone density in the proximal femur and its association with hip fracture risk in older men: the osteoporotic fractures in men \(MrOS\) study.](#) *J Bone Miner Res.* 2012;27(11):2314-24.

2013

156. Cauley JA, Harrison SL, Cawthon PM, Ensrud KE, Danielson ME, Orwoll E, Mackey DC. [Objective measures of physical activity, fractures and falls: the osteoporotic fractures in men study.](#) *J Am Geriatr Soc.* 2013;61(7):1080-8.
157. Cawthon PM, Blackwell TL, Cauley JA, Ensrud KE, Dam TT, Harrison SL, Peters KW, Mackey DC. [Objective assessment of activity, energy expenditure, and functional limitations in older men: the Osteoporotic Fractures in Men study.](#) *J Gerontol A Biol Sci Med Sci.* 2013;68(12):1518-24.
158. Claman DM, Ewing SK, Redline S, Ancoli-Israel S, Cauley JA, Stone KL, Study of Osteoporotic Fractures Research G. [Periodic leg movements are associated with reduced sleep quality in older men: the MrOS Sleep Study.](#) *J Clin Sleep Med.* 2013;9(11):1109-17.
159. Cusano NE, Maalouf NM, Wang PY, Zhang C, Cremers SC, Haney EM, Bauer DC, Orwoll ES, Bilezikian JP. [Normocalcemic hyperparathyroidism and hypoparathyroidism in two community-based nonreferral populations.](#) *J Clin Endocrinol Metab.* 2013;98(7):2734-41.
160. Diem SJ, Harrison SL, Haney E, Cauley JA, Stone KL, Orwoll E, Ensrud KE. [Depressive symptoms and rates of bone loss at the hip in older men.](#) *Osteoporos Int.* 2013;24(1):111-9.
161. Dominguez JR, Kestenbaum B, Chonchol M, Block G, Laughlin GA, Lewis CE, Katz R, Barrett-Connor E, Cummings S, Orwoll ES, Ix JH. [Relationships between serum and urine phosphorus with all-cause and cardiovascular mortality: the Osteoporotic Fractures in Men \(MrOS\) Study.](#) *Am J Kidney Dis.* 2013;61(4):555-63.
162. Ettinger B, Ensrud KE, Blackwell T, Curtis JR, Lapidus JA, Orwoll ES. [Performance of FRAX in a cohort of community-dwelling, ambulatory older men: the Osteoporotic Fractures in Men \(MrOS\) study.](#) *Osteoporos Int.* 2013;24(4):1185-93.
163. Evans DS, Parimi N, Nievergelt CM, Blackwell T, Redline S, Ancoli-Israel S, Orwoll ES, Cummings SR, Stone KL, Tranah GJ. [Common genetic variants in ARNTL and NPAS2 and at chromosome 12p13 are associated with objectively measured sleep traits in the elderly.](#) *SLEEP.* 2013;36(3):431-46.
164. Fu Y, Cheetham T, Bourn D, Orwoll E, Cohen DM. [Functional polymorphisms affecting the clinically important arginine-137 residue of AVPR2 do not influence serum sodium concentration at the population level.](#) *Physiol Genomics.* 2013;45(6):210-6.
165. Fung MM, Peters K, Ancoli-Israel S, Redline S, Stone KL, Barrett-Connor E. [Total sleep time and other sleep characteristics measured by actigraphy do not predict incident hypertension in a cohort of community-dwelling older men.](#) *J Clin Sleep Med.* 2013;9(6):585-91.
166. Garimella PS, Paudel ML, Ensrud KE, Marshall LM, Taylor BC, Fink HA. [Association between body size and composition and erectile dysfunction in older men: Osteoporotic Fractures in Men Study.](#) *J Am Geriatr Soc.* 2013;61(1):46-54.
167. Gibbs DL, Baratt A, Baric RS, Kawaoka Y, Smith RD, Orwoll ES, Katze MG, McWeeney SK. [Protein co-expression network analysis \(ProCoNA\).](#) *J Clin Bioinforma.* 2013;3(1):11.
168. Hart A, Paudel ML, Taylor BC, Ishani A, Orwoll ES, Cawthon PM, Ensrud KE. [Cystatin C and frailty in older men.](#) *J Am Geriatr Soc.* 2013;61(9):1530-6.

169. Khan A, Harrison SL, Kezirian EJ, Ancoli-Israel S, O'Hearn D, Orwoll E, Redline S, Ensrud K, Stone KL. [Obstructive sleep apnea during rapid eye movement sleep, daytime sleepiness, and quality of life in older men in osteoporotic fractures in men \(MrOS\) sleep study.](#) *J Clin Sleep Med.* 2013;9(3):191-8.
170. Kopp RP, Marshall LM, Wang PY, Bauer DC, Barrett-Connor E, Parsons JK. [The burden of urinary incontinence and urinary bother among elderly prostate cancer survivors.](#) *Eur Urol.* 2013;64(4):672-9.
171. Lane NE, Parimi N, Corr M, Yao W, Cauley JA, Nielson CM, Ix JH, Kado D, Orwoll E. [Association of serum fibroblast growth factor 23 \(FGF23\) and incident fractures in older men: the Osteoporotic Fractures in Men \(MrOS\) study.](#) *J Bone Miner Res.* 2013;28(11):2325-32.
172. Miljkovic I, Cauley JA, Wang PY, Holton KF, Lee CG, Sheu Y, Barrett-Connor E, Hoffman AR, Lewis CB, Orwoll ES, Stefanick ML, Strotmeyer ES, Marshall LM. [Abdominal myosteatosis is independently associated with hyperinsulinemia and insulin resistance among older men without diabetes.](#) *Obesity (Silver Spring, Md).* 2013;21(10):2118-25.
173. Ohlsson C, Nilsson ME, Tivesten A, Ryberg H, Mellstrom D, Karlsson MK, Ljunggren O, Labrie F, Orwoll ES, Lee DM, Pye SR, O'Neill TW, Finn JD, Adams JE, Ward KA, Boonen S, Bartfai G, Casanueva FF, Forti G, Giwercman A, Han TS, Huhtaniemi IT, Kula K, Lean ME, Pendleton N, Punab M, Vanderschueren D, Wu FC, Vandenput L. [Comparisons of immunoassay and mass spectrometry measurements of serum estradiol levels and their influence on clinical association studies in men.](#) *J Clin Endocrinol Metab.* 2013;98(6):E1097-102.
174. Paudel M, Taylor BC, Ancoli-Israel S, Blackwell T, Maglione JE, Stone K, Redline S, Ensrud KE. [Sleep Disturbances and Risk of Depression in Older Men.](#) *SLEEP.* 2013;36(7):1033-40.
175. Rao MN, Blackwell T, Redline S, Punjabi NM, Barrett-Connor E, Neylan TC, Stone KL. [Association between sleep duration and 24-hour urine free cortisol in the MrOS Sleep Study.](#) *PloS one.* 2013;8(9):e75205.
176. 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):163-77.
177. Sheu Y, Marshall LM, Holton KF, Caserotti P, Boudreau RM, Strotmeyer ES, Cawthon PM, Cauley JA. [Abdominal body composition measured by quantitative computed tomography and risk of non-spine fractures: the Osteoporotic Fractures in Men \(MrOS\) study.](#) *Osteoporos Int.* 2013;24(8):2231-41.
178. Waring AC, Harrison S, Fink HA, Samuels MH, Cawthon PM, Zmuda JM, Orwoll ES, Bauer DC. [A prospective study of thyroid function, bone loss, and fractures in older men: The MrOS study.](#) *J Bone Miner Res.* 2013;28(3):472-9.

2014

179. Akatsu H, Ewing SK, Stefanick ML, Fink HA, Stone KL, Barrett-Connor E, Mehra R, Ancoli-Israel S, Redline S, Hoffman AR, For The Osteoporotic Fractures In Men Mr

- OSRG. [Association Between Thyroid Function and Objective and Subjective Sleep Quality in Older Men: The Osteoporotic Fractures in Men \(MrOS\) Study](#). *Endocrine practice : official journal of the American College of Endocrinology and the American Association of Clinical Endocrinologists*. 2014;20(6):576-86.
180. Alley DE, Shardell MD, Peters KW, McLean RR, Dam TT, Kenny AM, Fragala MS, Harris TB, Kiel DP, Guralnik JM, Ferrucci L, Kritchevsky SB, Studenski SA, Vassileva MT, Cawthon PM. [Grip strength cutpoints for the identification of clinically relevant weakness](#). *J Gerontol A Biol Sci Med Sci*. 2014;69(5):559-66.
181. Bajaj A, Stone KL, Peters K, Parimi N, Barrett-Connor E, Bauer D, Cawthon PM, Ensrud KE, Hoffman AR, Orwoll E, Schernhammer ES. [Circulating vitamin D, supplement use, and cardiovascular disease risk: the MrOS Sleep Study](#). *J Clin Endocrinol Metab*. 2014;99(9):3256-62.
182. Blackwell T, Yaffe K, Laffan A, Ancoli-Israel S, Redline S, Ensrud KE, Song Y, Stone KL. [Associations of objectively and subjectively measured sleep quality with subsequent cognitive decline in older community-dwelling men: the MrOS sleep study](#). *Sleep*. 2014;37(4):655-63.
183. Bredbenner TL, Mason RL, Havill LM, Orwoll ES, Nicolella DP. [Fracture risk predictions based on statistical shape and density modeling of the proximal femur](#). *J Bone Miner Res*. 2014;29(9):2090-100.
184. Cauley JA, Blackwell TL, Redline S, Ensrud KE, Ancoli-Israel S, Fink HA, Orwoll ES, Stone KL. [Hypoxia during sleep and the risk of falls and fractures in older men: the Osteoporotic Fractures in Men Sleep Study](#). *J Am Geriatr Soc*. 2014;62(10):1853-9.
185. Cawthon PM, Blackwell TL, Marshall LM, Fink HA, Kado DM, Ensrud KE, Cauley JA, Black D, Orwoll ES, Cummings SR, Schousboe JT. [Physical performance and radiographic and clinical vertebral fractures in older men](#). *J Bone Miner Res*. 2014;29(9):2101-8.
186. 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](#). *Bone*. 2014;67:152-5.
187. Cawthon PM, Peters KW, Shardell MD, McLean RR, Dam TT, Kenny AM, Fragala MS, Harris TB, Kiel DP, Guralnik JM, Ferrucci L, Kritchevsky SB, Vassileva MT, Studenski SA, Alley DE. [Cutpoints for low appendicular lean mass that identify older adults with clinically significant weakness](#). *J Gerontol A Biol Sci Med Sci*. 2014;69(5):567-75.
188. Dam TT, Peters KW, Fragala M, Cawthon PM, Harris TB, McLean R, Shardell M, Alley DE, Kenny A, Ferrucci L, Guralnik J, Kiel DP, Kritchevsky S, Vassileva MT, Studenski S. [An evidence-based comparison of operational criteria for the presence of sarcopenia](#). *J Gerontol A Biol Sci Med Sci*. 2014;69(5):584-90.
189. Diem SJ, Ewing SK, Stone KL, Ancoli-Israel S, Redline S, Ensrud KE. [Use of non-benzodiazepine sedative hypnotics and risk of falls in older men](#). *Journal of gerontology & geriatric research*. 2014;3(3):158.
190. Ensrud KE, Blackwell TL, Cauley JA, Dam TT, Cawthon PM, Schousboe JT, Barrett-Connor E, Stone KL, Bauer DC, Shikany JM, Mackey DC. [Objective measures of activity level and mortality in older men](#). *J Am Geriatr Soc*. 2014;62(11):2079-87.

191. Ensrud KE, Parimi N, Fink HA, Ishani A, Taylor BC, Steffes M, Cauley JA, Lewis CE, Orwoll ES. [Estimated GFR and risk of hip fracture in older men: comparison of associations using cystatin C and creatinine.](#) *Am J Kidney Dis.* 2014;63(1):31-9.
192. 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 older men in United States: cross sectional and longitudinal analysis of prospective cohort study.](#) *Bmj.* 2014;349:g4120.
193. Evangelou E, Kerkhof HJ, Styrkarsdottir U, Ntzani EE, Bos SD, Esko T, Evans DS, Mestrury S, Panoutsopoulou K, Ramos YF, Thorleifsson G, Tsilidis KK, Arden N, Aslam N, Bellamy N, Birrell F, Blanco FJ, Carr A, Chapman K, Day-Williams AG, Deloukas P, Doherty M, Engstrom G, Helgadottir HT, Hofman A, Ingvarsson T, Jonsson H, Keis A, Keurentjes JC, Kloppenburg M, Lind PA, McCaskie A, Martin NG, Milani L, Montgomery GW, Nelissen RG, Nevitt MC, Nilsson PM, Ollier WE, Parimi N, Rai A, Ralston SH, Reed MR, Riancho JA, Rivadeneira F, Rodriguez-Fontenla C, Southam L, Thorsteinsdottir U, Tsezou A, Wallis GA, Wilkinson JM, Gonzalez A, Lane NE, Lohmander LS, Loughlin J, Metspalu A, Uitterlinden AG, Jonsdottir I, Stefansson K, Slagboom PE, Zeggini E, Meulenbelt I, Ioannidis JP, Spector TD, van Meurs JB, Valdes AM. [A meta-analysis of genome-wide association studies identifies novel variants associated with osteoarthritis of the hip.](#) *Ann Rheum Dis.* 2014;73(12):2130-6.
194. Fink HA, Kuskowski MA, Cauley JA, Taylor BC, Schousboe JT, Cawthon PM, Ensrud KE. [Association of stressful life events with accelerated bone loss in older men: the osteoporotic fractures in men \(MrOS\) study.](#) *Osteoporos Int.* 2014;25(12):2833-9.
195. Fink HA, Kuskowski MA, Marshall LM. [Association of stressful life events with incident falls and fractures in older men: the Osteoporotic Fractures in Men \(MrOS\) Study.](#) *Age Ageing.* 2014;43(1):103-8.
196. Hansen KE, Blank RD, Palermo L, Fink HA, Orwoll ES. [What analytic method should clinicians use to derive spine T-scores and predict incident fractures in men? Results from the MrOS study.](#) *Osteoporos Int.* 2014;25(9):2181-8.
197. Katzman WB, Miller-Martinez D, Marshall LM, Lane NE, Kado DM. [Kyphosis and paraspinal muscle composition in older men: a cross-sectional study for the Osteoporotic Fractures in Men \(MrOS\) research group.](#) *BMC musculoskeletal disorders.* 2014;15:19.
198. Khalil N, Faulkner KA, Greenspan SL, Cauley JA. [Associations between bone mineral density, grip strength, and lead body burden in older men.](#) *J Am Geriatr Soc.* 2014;62(1):141-6.
199. Koo BB, Mehra R, Blackwell T, Ancoli-Israel S, Stone KL, Redline S. [Periodic limb movements during sleep and cardiac arrhythmia in older men \(MrOS sleep\).](#) *J Clin Sleep Med.* 2014;10(1):7-11.
200. Lane NE, Parimi N, Lui LY, Wise BL, Yao W, Lay YA, Cawthon PM, Orwoll E. [Association of serum uric acid and incident nonspine fractures in elderly men: the Osteoporotic Fractures in Men \(MrOS\) study.](#) *J Bone Miner Res.* 2014;29(7):1701-7.
201. Lee DS, Markwardt S, Goeres L, Lee CG, Eckstrom E, Williams C, Fu R, Orwoll E, Cawthon PM, Stefanick ML, Mackey D, Bauer DC, Nielson CM. [Statins and physical activity in older men: the osteoporotic fractures in men study.](#) *JAMA internal medicine.* 2014;174(8):1263-70.

202. 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.](#) *J Am Geriatr Soc.* 2014;62(7):1288-96.
203. Marshall LM, Holton KF, Parsons JK, Lapidus JA, Ramsey K, Barrett-Connor E. [Lifestyle and health factors associated with progressing and remitting trajectories of untreated lower urinary tract symptoms among elderly men.](#) *Prostate cancer and prostatic diseases.* 2014;17(3):265-72.
204. McLean RR, Shardell MD, Alley DE, Cawthon PM, Fragala MS, Harris TB, Kenny AM, Peters KW, Ferrucci L, Guralnik JM, Kritchevsky SB, Kiel DP, Vassileva MT, Xue QL, Perera S, Studenski SA, Dam TT. [Criteria for clinically relevant weakness and low lean mass and their longitudinal association with incident mobility impairment and mortality: the foundation for the National Institutes of Health \(FNIH\) sarcopenia project.](#) *J Gerontol A Biol Sci Med Sci.* 2014;69(5):576-83.
205. Moayyeri A, Hsu YH, Karasik D, Estrada K, Xiao SM, Nielson C, Srikanth P, Giroux S, Wilson SG, Zheng HF, Smith AV, Pye SR, Leo PJ, Teumer A, Hwang JY, Ohlsson C, McGuigan F, Minster RL, Hayward C, Olmos JM, Lytikainen LP, Lewis JR, Swart KM, Masi L, Oldmeadow C, Holliday EG, Cheng S, van Schoor NM, Harvey NC, Kruk M, del Greco MF, Igl W, Trummer O, Grigoriou E, Luben R, Liu CT, Zhou Y, Oei L, Medina-Gomez C, Zmuda J, Tranah G, Brown SJ, Williams FM, Soranzo N, Jakobsdottir J, Siggeirsdottir K, Holliday KL, Hannemann A, Go MJ, Garcia M, Polasek O, Laaksonen M, Zhu K, Enneman AW, McEvoy M, Peel R, Sham PC, Jaworski M, Johansson A, Hicks AA, Pludowski P, Scott R, Dhonukshe-Rutten RA, van der Velde N, Kahonen M, Viikari JS, Sievanen H, Raitakari OT, Gonzalez-Macias J, Hernandez JL, Mellstrom D, Ljunggren O, Cho YS, Volker U, Nauck M, Homuth G, Volzke H, Haring R, Brown MA, McCloskey E, Nicholson GC, Eastell R, Eisman JA, Jones G, Reid IR, Dennison EM, Wark J, Boonen S, Vanderschueren D, Wu FC, Aspelund T, Richards JB, Bauer D, Hofman A, Khaw KT, Dedoussis G, Obermayer-Pietsch B, Gyllenstein U, Pramstaller PP, Lorenc RS, Cooper C, Kung AW, Lips P, Alen M, Attia J, Brandi ML, de Groot LC, Lehtimaki T, Riancho JA, Campbell H, Liu Y, Harris TB, Akesson K, Karlsson M, Lee JY, Wallaschofski H, Duncan EL, O'Neill TW, Gudnason V, Spector TD, Rousseau F, Orwoll E, Cummings SR, Wareham NJ, Rivadeneira F, Uitterlinden AG, Prince RL, Kiel DP, Reeve J, Kaptoge SK. [Genetic determinants of heel bone properties: genome-wide association meta-analysis and replication in the GEFOS/GENOMOS consortium.](#) *Human molecular genetics.* 2014;23(11):3054-68.
206. Napoli N, Strotmeyer ES, Ensrud KE, Sellmeyer DE, Bauer DC, Hoffman AR, Dam TT, Barrett-Connor E, Palermo L, Orwoll ES, Cummings SR, Black DM, Schwartz AV. [Fracture risk in diabetic elderly men: the MrOS study.](#) *Diabetologia.* 2014;57(10):2057-65.
207. Patel SR, Hayes AL, Blackwell T, Evans DS, Ancoli-Israel S, Wing YK, Stone KL. [The association between sleep patterns and obesity in older adults.](#) *Int J Obes (Lond).* 2014;38(9):1159-64.
208. 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;17(4):449-57.

209. Shikany JM, Barrett-Connor E, Ensrud KE, Cawthon PM, Lewis CE, Dam TT, Shannon J, Redden DT. [Macronutrients, diet quality, and frailty in older men.](#) *J Gerontol A Biol Sci Med Sci.* 2014;69(6):695-701.
210. Shin MH, Zmuda JM, Barrett-Connor E, Sheu Y, Patrick AL, Leung PC, Kwok A, Kweon SS, Nam HS, Cauley JA. [Race/ethnic differences in associations between bone mineral density and fracture history in older men.](#) *Osteoporos Int.* 2014;25(3):837-45.
211. Smagula SF, Ancoli-Israel S, Barrett-Connor E, Lane NE, Redline S, Stone KL, Cauley JA. [Inflammation, sleep disturbances, and depressed mood among community-dwelling older men.](#) *Journal of psychosomatic research.* 2014;76(5):368-73.
212. Stone KL, Blackwell TL, Ancoli-Israel S, Cauley JA, Redline S, Marshall LM, Ensrud KE. [Sleep disturbances and risk of falls in older community-dwelling men: the outcomes of Sleep Disorders in Older Men \(MrOS Sleep\) Study.](#) *J Am Geriatr Soc.* 2014;62(2):299-305.
213. Studenski SA, Peters KW, Alley DE, Cawthon PM, McLean RR, Harris TB, Ferrucci L, Guralnik JM, Fragala MS, Kenny AM, Kiel DP, Kritchevsky SB, Shardell MD, Dam TT, Vassileva MT. [The FNIH sarcopenia project: rationale, study description, conference recommendations, and final estimates.](#) *J Gerontol A Biol Sci Med Sci.* 2014;69(5):547-58.
214. Swanson CM, Nielson CM, Shrestha S, Lee CG, Barrett-Connor E, Jans I, Cauley JA, Boonen S, Bouillon R, Vanderschueren D, Orwoll ES. [Higher 25\(OH\)D2 is associated with lower 25\(OH\)D3 and 1,25\(OH\)2D3.](#) *J Clin Endocrinol Metab.* 2014;99(8):2736-44.
215. 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.](#) *J Bone Miner Res.* 2014;29(4):968-75.
216. Ward RE, Caserotti P, Faulkner K, Boudreau RM, Zivkovic S, Lee C, Goodpaster BH, Cawthon PM, Newman AB, Cauley JA, Strotmeyer ES. [Peripheral nerve function and lower extremity muscle power in older men.](#) *Archives of physical medicine and rehabilitation.* 2014;95(4):726-33.
217. Wise BL, Parimi N, Zhang Y, Cawthon PM, Barrett-Connor E, Ensrud KE, Lane NE. [Frailty and hip osteoarthritis in men in the MrOS cohort.](#) *J Gerontol A Biol Sci Med Sci.* 2014;69(5):602-8.
218. Wong AK, Cawthon PM, Peters KW, Cummings SR, Gordon CL, Sheu Y, Ensrud K, Petit M, Zmuda JM, Orwoll E, Cauley J. [Bone-muscle indices as risk factors for fractures in men: the Osteoporotic Fractures in Men \(MrOS\) Study.](#) *Journal of musculoskeletal & neuronal interactions.* 2014;14(3):246-54.
219. Yokoyama JS, Evans DS, Coppola G, Kramer JH, Tranah GJ, Yaffe K. [Genetic modifiers of cognitive maintenance among older adults.](#) *Human brain mapping.* 2014;35(9):4556-65.

2015

220. Aritake S, Blackwell T, Peters KW, Rueschman M, Mobley D, Morrical MG, Platt SF, Dam TT, Redline S, Winkelman JW. [Prevalence and associations of respiratory-related leg movements: the MrOS sleep study.](#) *Sleep Med.* 2015;16(10):1236-44.

221. Asvold BO, Vatten LJ, Bjoro T, Bauer DC, Bremner A, Cappola AR, Ceresini G, den Elzen WP, Ferrucci L, Franco OH, Franklyn JA, Gussekloo J, Iervasi G, Imaizumi M, Kearney PM, Khaw KT, Maciel RM, Newman AB, Peeters RP, Psaty BM, Razvi S, Sgarbi JA, Stott DJ, Trompet S, Vanderpump MP, Volzke H, Walsh JP, Westendorp RG, Rodondi N. [Thyroid function within the normal range and risk of coronary heart disease: an individual participant data analysis of 14 cohorts.](#) *JAMA internal medicine.* 2015;175(6):1037-47.
222. Blackwell T, Yaffe K, Laffan A, Redline S, Ancoli-Israel S, Ensrud KE, Song Y, Stone KL. [Associations between sleep-disordered breathing, nocturnal hypoxemia, and subsequent cognitive decline in older community-dwelling men: the Osteoporotic Fractures in Men Sleep Study.](#) *J Am Geriatr Soc.* 2015;63(3):453-61.
223. Blum MR, Bauer DC, Collet TH, Fink HA, Cappola AR, da Costa BR, Wirth CD, Peeters RP, Asvold BO, den Elzen WP, Luben RN, Imaizumi M, Bremner AP, Gogakos A, Eastell R, Kearney PM, Strotmeyer ES, Wallace ER, Hoff M, Ceresini G, Rivadeneira F, Uitterlinden AG, Stott DJ, Westendorp RG, Khaw KT, Langhammer A, Ferrucci L, Gussekloo J, Williams GR, Walsh JP, Juni P, Aujesky D, Rodondi N. [Subclinical thyroid dysfunction and fracture risk: a meta-analysis.](#) *Jama.* 2015;313(20):2055-65.
224. Broer L, Buchman AS, Deelen J, Evans DS, Faul JD, Lunetta KL, Sebastiani P, Smith JA, Smith AV, Tanaka T, Yu L, Arnold AM, Aspelund T, Benjamin EJ, De Jager PL, Eiriksdottir G, Evans DA, Garcia ME, Hofman A, Kaplan RC, Kardina SL, Kiel DP, Oostra BA, Orwoll ES, Parimi N, Psaty BM, Rivadeneira F, Rotter JI, Seshadri S, Singleton A, Tiemeier H, Uitterlinden AG, Zhao W, Bandinelli S, Bennett DA, Ferrucci L, Gudnason V, Harris TB, Karasik D, Launer LJ, Perls TT, Slagboom PE, Tranah GJ, Weir DR, Newman AB, van Duijn CM, Murabito JM. [GWAS of longevity in CHARGE consortium confirms APOE and FOXO3 candidacy.](#) *J Gerontol A Biol Sci Med Sci.* 2015;70(1):110-8.
225. Cawthon PM, Blackwell TL, Cauley J, Kado DM, Barrett-Connor E, Lee CG, Hoffman AR, Nevitt M, Stefanick ML, Lane NE, Ensrud KE, Cummings SR, Orwoll ES. [Evaluation of the Usefulness of Consensus Definitions of Sarcopenia in Older Men: Results from the Observational Osteoporotic Fractures in Men Cohort Study.](#) *J Am Geriatr Soc.* 2015;63(11):2247-59.
226. Chaker L, Baumgartner C, den Elzen WP, Ikram MA, Blum MR, Collet TH, Bakker SJ, Dehghan A, Drechsler C, Luben RN, Hofman A, Portegies ML, Medici M, Iervasi G, Stott DJ, Ford I, Bremner A, Wanner C, Ferrucci L, Newman AB, Dullaart RP, Sgarbi JA, Ceresini G, Maciel RM, Westendorp RG, Jukema JW, Imaizumi M, Franklyn JA, Bauer DC, Walsh JP, Razvi S, Khaw KT, Cappola AR, Volzke H, Franco OH, Gussekloo J, Rodondi N, Peeters RP. [Subclinical Hypothyroidism and the Risk of Stroke Events and Fatal Stroke: An Individual Participant Data Analysis.](#) *J Clin Endocrinol Metab.* 2015;100(6):2181-91.
227. Eriksson J, Evans DS, Nielson CM, Shen J, Srikanth P, Hochberg M, McWeeney S, Cawthon PM, Wilmot B, Zmuda J, Tranah G, Mirel DB, Challa S, Mooney M, Crenshaw A, Karlsson M, Mellstrom D, Vandenput L, Orwoll E, Ohlsson C. [Limited clinical utility of a genetic risk score for the prediction of fracture risk in elderly subjects.](#) *J Bone Miner Res.* 2015;30(1):184-94.

228. Evans DS, Cailotto F, Parimi N, Valdes AM, Castano-Betancourt MC, Liu Y, Kaplan RC, Bidlingmaier M, Vasani RS, Teumer A, Tranah GJ, Nevitt MC, Cummings SR, Orwoll ES, Barrett-Connor E, Renner JB, Jordan JM, Doherty M, Doherty SA, Uitterlinden AG, van Meurs JB, Spector TD, Lories RJ, Lane NE. [Genome-wide association and functional studies identify a role for IGFBP3 in hip osteoarthritis.](#) *Ann Rheum Dis.* 2015;74(10):1861-7.
229. Gee AH, Treece GM, Tonkin CJ, Black DM, Poole KE. [Association between femur size and a focal defect of the superior femoral neck.](#) *Bone.* 2015;81:60-6.
230. Gottlieb DJ, Hek K, Chen TH, Watson NF, Eiriksdottir G, Byrne EM, Cornelis M, Warby SC, Bandinelli S, Cherkas L, Evans DS, Grabe HJ, Lahti J, Li M, Lehtimäki T, Lumley T, Marcianti KD, Perusse L, Psaty BM, Robbins J, Tranah GJ, Vink JM, Wilk JB, Stafford JM, Bellis C, Biffar R, Bouchard C, Cade B, Curhan GC, Eriksson JG, Ewert R, Ferrucci L, Fulop T, Gehrman PR, Goodloe R, Harris TB, Heath AC, Hernandez D, Hofman A, Hottenga JJ, Hunter DJ, Jensen MK, Johnson AD, Kahonen M, Kao L, Kraft P, Larkin EK, Lauderdale DS, Luik AI, Medici M, Montgomery GW, Palotie A, Patel SR, Pistis G, Porcu E, Quaye L, Raitakari O, Redline S, Rimm EB, Rotter JI, Smith AV, Spector TD, Teumer A, Uitterlinden AG, Vohl MC, Widen E, Willemsen G, Young T, Zhang X, Liu Y, Blangero J, Boomsma DI, Gudnason V, Hu F, Mangino M, Martin NG, O'Connor GT, Stone KL, Tanaka T, Viikari J, Gharib SA, Punjabi NM, Raikonen K, Volzke H, Mignot E, Tiemeier H. [Novel loci associated with usual sleep duration: the CHARGE Consortium Genome-Wide Association Study.](#) *Mol Psychiatry.* 2015;20(10):1232-9.
231. Jamal SA, Arampatzis S, Harrison SL, Bucur RC, Ensrud K, Orwoll ES, Bauer DC. [Hyponatremia and Fractures: Findings From the MrOS Study.](#) *J Bone Miner Res.* 2015;30(6):970-5.
232. Katzman WB, Harrison SL, Fink HA, Marshall LM, Orwoll E, Barrett-Connor E, Cawthon PM, Kado DM, Osteoporotic Fractures in Men Study Research G. [Physical function in older men with hyperkyphosis.](#) *J Gerontol A Biol Sci Med Sci.* 2015;70(5):635-40.
233. Maglione JE, Nievergelt CM, Parimi N, Evans DS, Ancoli-Israel S, Stone KL, Yaffe K, Redline S, Tranah GJ. [Associations of PER3 and RORA Circadian Gene Polymorphisms and Depressive Symptoms in Older Adults.](#) *The American journal of geriatric psychiatry : official journal of the American Association for Geriatric Psychiatry.* 2015;23(10):1075-87.
234. Martin EN, Haney EM, Shannon J, Cauley JA, Ensrud KE, Keaveny TM, Zmuda JM, Orwoll ES, Harrison SL, Marshall LM. [Femoral volumetric bone density, geometry, and strength in relation to 25-hydroxy vitamin D in older men.](#) *J Bone Miner Res.* 2015;30(3):562-9.
235. Massa J, Stone KL, Wei EK, Harrison SL, Barrett-Connor E, Lane NE, Paudel M, Redline S, Ancoli-Israel S, Orwoll E, Schernhammer E. [Vitamin D and actigraphic sleep outcomes in older community-dwelling men: the MrOS sleep study.](#) *Sleep.* 2015;38(2):251-7.
236. Miljkovic I, Kuipers AL, Cauley JA, Prasad T, Lee CG, Ensrud KE, Cawthon PM, Hoffman AR, Dam TT, Gordon CL, Zmuda JM. [Greater Skeletal Muscle Fat Infiltration Is Associated With Higher All-Cause and Cardiovascular Mortality in Older Men.](#) *J Gerontol A Biol Sci Med Sci.* 2015;70(9):1133-40.

237. Munch T, Harrison SL, Barrett-Connor E, Lane NE, Nevitt MC, Schousboe JT, Stefanick M, Cawthon PM. [Pain and falls and fractures in community-dwelling older men.](#) *Age Ageing*. 2015;44(6):973-9.
238. Nardo L, Parimi N, Liu F, Lee S, Jungmann PM, Nevitt MC, Link TM, Lane NE. [Femoroacetabular Impingement: Prevalent and Often Asymptomatic in Older Men: The Osteoporotic Fractures in Men Study.](#) *Clinical orthopaedics and related research*. 2015;473(8):2578-86.
239. Saksvik-Lehouillier I, Harrison SL, Marshall LM, Tranah GJ, Ensrud K, Ancoli-Israel S, Clemons A, Redline S, Stone KL, Schernhammer ES. [Association of Urinary 6-Sulfatoxymelatonin \(aMT6s\) Levels and Objective and Subjective Sleep Measures in Older Men: The MrOS Sleep Study.](#) *J Gerontol A Biol Sci Med Sci*. 2015;70(12):1569-77.
240. Schulze-Spate U, Turner R, Wang Y, Chao R, Schulze PC, Phipps K, Orwoll E, Dam TT. [Relationship of Bone Metabolism Biomarkers and Periodontal Disease: The Osteoporotic Fractures in Men \(MrOS\) Study.](#) *J Clin Endocrinol Metab*. 2015;100(6):2425-33.
241. Shen J, Nielson CM, Marshall LM, Lee DC, Keaveny TM, Orwoll ES. [The Association Between BMI and QCT-Derived Proximal Hip Structure and Strength in Older Men: A Cross-Sectional Study.](#) *J Bone Miner Res*. 2015;30(7):1301-8.
242. Smagula SF, Ancoli-Israel S, Blackwell T, Boudreau R, Stefanick ML, Paudel ML, Stone KL, Cauley JA. [Circadian rest-activity rhythms predict future increases in depressive symptoms among community-dwelling older men.](#) *The American journal of geriatric psychiatry : official journal of the American Association for Geriatric Psychiatry*. 2015;23(5):495-505.
243. Smagula SF, Reynolds CF, 3rd, Ancoli-Israel S, Barrett-Connor E, Dam TT, Hughes-Austin JM, Paudel M, Redline S, Stone KL, Cauley JA. [Sleep Architecture and Mental Health Among Community-Dwelling Older Men.](#) *J Gerontol B Psychol Sci Soc Sci*. 2015;70(5):673-81.
244. Song Y, Blackwell T, Yaffe K, Ancoli-Israel S, Redline S, Stone KL. [Relationships between sleep stages and changes in cognitive function in older men: the MrOS Sleep Study.](#) *Sleep*. 2015;38(3):411-21.
245. Swanson CM, Srikanth P, Lee CG, Cummings SR, Jans I, Cauley JA, Bouillon R, Vanderschueren D, Orwoll ES, Nielson CM. [Associations of 25-Hydroxyvitamin D and 1,25-Dihydroxyvitamin D With Bone Mineral Density, Bone Mineral Density Change, and Incident Nonvertebral Fracture.](#) *J Bone Miner Res*. 2015;30(8):1403-13.
246. 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.
247. Treece GM, Gee AH, Tonkin C, Ewing SK, Cawthon PM, Black DM, Poole KE. [Predicting Hip Fracture Type With Cortical Bone Mapping \(CBM\) in the Osteoporotic Fractures in Men \(MrOS\) Study.](#) *J Bone Miner Res*. 2015;30(11):2067-77.
248. Virgini VS, Rodondi N, Cawthon PM, Harrison SL, Hoffman AR, Orwoll ES, Ensrud KE, Bauer DC. [Subclinical Thyroid Dysfunction and Frailty Among Older Men.](#) *J Clin Endocrinol Metab*. 2015;100(12):4524-32.

249. Winkelman JW, Blackwell T, Stone K, Ancoli-Israel S, Tranah GJ, Redline S. [Genetic associations of periodic limb movements of sleep in the elderly for the MrOS sleep study.](#) *Sleep Med.* 2015;16(11):1360-5.
250. Zheng HF, Forgetta V, Hsu YH, Estrada K, Rosello-Diez A, Leo PJ, Dahia CL, Park-Min KH, Tobias JH, Kooperberg C, Kleinman A, Styrkarsdottir U, Liu CT, Uggla C, Evans DS, Nielson CM, Walter K, Pettersson-Kymmer U, McCarthy S, Eriksson J, Kwan T, Jhamai M, Trajanoska K, Memari Y, Min J, Huang J, Danecek P, Wilmot B, Li R, Chou WC, Mokry LE, Moayyeri A, Claussnitzer M, Cheng CH, Cheung W, Medina-Gomez C, Ge B, Chen SH, Choi K, Oei L, Fraser J, Kraaij R, Hibbs MA, Gregson CL, Paquette D, Hofman A, Wibom C, Tranah GJ, Marshall M, Gardiner BB, Cremin K, Auer P, Hsu L, Ring S, Tung JY, Thorleifsson G, Enneman AW, van Schoor NM, de Groot LC, van der Velde N, Melin B, Kemp JP, Christiansen C, Sayers A, Zhou Y, Calderari S, van Rooij J, Carlson C, Peters U, Berlivet S, Dostie J, Uitterlinden AG, Williams SR, Farber C, Grinberg D, LaCroix AZ, Haessler J, Chasman DI, Giulianini F, Rose LM, Ridker PM, Eisman JA, Nguyen TV, Center JR, Nogues X, Garcia-Giralt N, Launer LL, Gudnason V, Mellstrom D, Vandenput L, Amin N, van Duijn CM, Karlsson MK, Ljunggren O, Svensson O, Hallmans G, Rousseau F, Giroux S, Bussiere J, Arp PP, Koromani F, Prince RL, Lewis JR, Langdahl BL, Hermann AP, Jensen JE, Kaptoge S, Khaw KT, Reeve J, Formosa MM, Xuereb-Anastasi A, Akesson K, McGuigan FE, Garg G, Olmos JM, Zarrabeitia MT, Riancho JA, Ralston SH, Alonso N, Jiang X, Goltzman D, Pastinen T, Grundberg E, Gauguier D, Orwoll ES, Karasik D, Davey-Smith G, Smith AV, Siggeirsdottir K, Harris TB, Zillikens MC, van Meurs JB, Thorsteinsdottir U, Maurano MT, Timpson NJ, Soranzo N, Durbin R, Wilson SG, Ntzani EE, Brown MA, Stefansson K, Hinds DA, Spector T, Cupples LA, Ohlsson C, Greenwood CM, Jackson RD, Rowe DW, Loomis CA, Evans DM, Ackert-Bicknell CL, Joyner AL, Duncan EL, Kiel DP, Rivadeneira F, Richards JB. [Whole-genome sequencing identifies EN1 as a determinant of bone density and fracture.](#) *Nature.* 2015;526(7571):112-7.

2016

251. Amin N, Allebrandt KV, van der Spek A, Muller-Myhsok B, Hek K, Teder-Laving M, Hayward C, Esko T, van Mill JG, Mbarek H, Watson NF, Melville SA, Del Greco FM, Byrne EM, Oole E, Kolcic I, Chen TH, Evans DS, Coresh J, Vogelzangs N, Karjalainen J, Willemsen G, Gharib SA, Zgaga L, Mihailov E, Stone KL, Campbell H, Brouwer RW, Demirkan A, Isaacs A, Dogas Z, Marciante KD, Campbell S, Borovecki F, Luik AI, Li M, Hottenga JJ, Huffman JE, van den Hout MC, Cummings SR, Aulchenko YS, Gehrman PR, Uitterlinden AG, Wichmann HE, Muller-Nurasyid M, Fehrmann RS, Montgomery GW, Hofman A, Kao WH, Oostra BA, Wright AF, Vink JM, Wilson JF, Pramstaller PP, Hicks AA, Polasek O, Punjabi NM, Redline S, Psaty BM, Heath AC, Morrow M, Tranah GJ, Gottlieb DJ, Boomsma DI, Martin NG, Rudan I, Tiemeier H, van IWF, Penninx BW, Metspalu A, Meitinger T, Franke L, Roenneberg T, van Duijn CM. [Genetic variants in RBFOX3 are associated with sleep latency.](#) *European journal of human genetics : EJHG.* 2016;24(10):1488-95.

252. Borggrefe J, de Buhr T, Shrestha S, Marshall LM, Orwoll E, Peters K, Black DM, Gluer CC. [Association of 3D Geometric Measures Derived From Quantitative Computed Tomography With Hip Fracture Risk in Older Men](#). *J Bone Miner Res*. 2016;31(8):1550-8.
253. Cade BE, Gottlieb DJ, Lauderdale DS, Bennett DA, Buchman AS, Buxbaum SG, De Jager PL, Evans DS, Fulop T, Gharib SA, Johnson WC, Kim H, Larkin EK, Lee SK, Lim AS, Punjabi NM, Shin C, Stone KL, Tranah GJ, Weng J, Yaffe K, Zee PC, Patel SR, Zhu X, Redline S, Saxena R. [Common variants in DRD2 are associated with sleep duration: the CARE consortium](#). *Human molecular genetics*. 2016;25(1):167-79.
254. Canales MT, Blackwell T, Ishani A, Taylor BC, Hart A, Barrett-Connor E, Lewis C, Beyth RJ, Stone K, Ensrud KE. [Estimated GFR and Mortality in Older Men: Are All eGFR Formulae Equal](#). *Am J Nephrol*. 2016;43(5):325-33.
255. Cauley JA, Barbour KE, Harrison SL, Cloonan YK, Danielson ME, Ensrud KE, Fink HA, Orwoll ES, Boudreau R. [Inflammatory Markers and the Risk of Hip and Vertebral Fractures in Men: the Osteoporotic Fractures in Men \(MrOS\)](#). *J Bone Miner Res*. 2016;31(12):2129-38.
256. Cauley JA, Cawthon PM, Peters KE, Cummings SR, Ensrud KE, Bauer DC, Taylor BC, Shikany JM, Hoffman AR, Lane NE, Kado DM, Stefanick ML, Orwoll ES. [Risk Factors for Hip Fracture in Older Men: The Osteoporotic Fractures in Men Study \(MrOS\)](#). *J Bone Miner Res*. 2016;31(10):1810-9.
257. Cauley JA, Kassem AM, Lane NE, Thorson S. [Prevalent peripheral arterial disease and inflammatory burden](#). *BMC geriatrics*. 2016;16(1):213.
258. Cawthon PM, Schousboe JT, Harrison SL, Ensrud KE, Black D, Cauley JA, Cummings SR, LeBlanc ES, Laughlin GA, Nielson CM, Broughton A, Kado DM, Hoffman AR, Jamal SA, Barrett-Connor E, Orwoll ES. [Sex hormones, sex hormone binding globulin, and vertebral fractures in older men](#). *Bone*. 2016;84:271-8.
259. Cawthon PM, Shahnazari M, Orwoll ES, Lane NE. [Osteoporosis in men: findings from the Osteoporotic Fractures in Men Study \(MrOS\)](#). *Ther Adv Musculoskelet Dis*. 2016;8(1):15-27.
260. Chalhoub D, Orwoll ES, Cawthon PM, Ensrud KE, Boudreau R, Greenspan S, Newman AB, Zmuda J, Bauer D, Cummings S, Cauley JA. [Areal and volumetric bone mineral density and risk of multiple types of fracture in older men](#). *Bone*. 2016;92:100-6.
261. Devore EE, Harrison SL, Stone KL, Holton KF, Barrett-Connor E, Ancoli-Israel S, Yaffe K, Ensrud K, Cawthon PM, Redline S, Orwoll E, Schernhammer ES. [Association of urinary melatonin levels and aging-related outcomes in older men](#). *Sleep Med*. 2016;23:73-80.
262. 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 Versus Older Women](#). *J Bone Miner Res*. 2016;31(1):204-7.
263. Ensrud KE, Blackwell TL, Fink HA, Zhang J, Cauley JA, Cawthon PM, Black DM, Bauer DC, Curtis JR, Orwoll ES, Barrett-Connor E, Kado DM, Marshall LM, Shikany JM, Schousboe JT. [What Proportion of Incident Radiographic Vertebral Fractures in Older Men Is Clinically Diagnosed and Vice Versa: A Prospective Study](#). *J Bone Miner Res*. 2016;31(8):1500-3.

264. Ensrud KE, Lui LY, Paudel ML, Schousboe JT, Kats AM, Cauley JA, McCulloch CE, Yaffe K, Cawthon PM, Hillier TA, Taylor BC. [Effects of Mobility and Cognition on Risk of Mortality in Women in Late Life: A Prospective Study](#). *J Gerontol A Biol Sci Med Sci*. 2016;71(6):759-65.
265. Fink HA, Litwack-Harrison S, Taylor BC, Bauer DC, Orwoll ES, Lee CG, Barrett-Connor E, Schousboe JT, Kado DM, Garimella PS, Ensrud KE. [Clinical utility of routine laboratory testing to identify possible secondary causes in older men with osteoporosis: the Osteoporotic Fractures in Men \(MrOS\) Study](#). *Osteoporos Int*. 2016;27(1):331-8.
266. Goswami U, Ensrud KE, Paudel ML, Redline S, Schernhammer ES, Shikany JM, Stone KL, Kunisaki KM. [Vitamin D Concentrations and Obstructive Sleep Apnea in a Multicenter Cohort of Older Males](#). *Ann Am Thorac Soc*. 2016;13(5):712-8.
267. Gourlay ML, Overman RA, Fine JP, Filteau G, Cawthon PM, Schousboe JT, Orwoll ES, Wilt TJ, Nguyen TV, Lane NE, Szulc P, Taylor BC, Dam TT, Nielson CM, Cauley JA, Barrett-Connor E, Fink HA, Lapidus JA, Kado DM, Diem SJ, Ensrud KE. [Time to Osteoporosis and Major Fracture in Older Men: The MrOS Study](#). *Am J Prev Med*. 2016;50(6):727-36.
268. Grubbs V, Vittinghoff E, Taylor G, Kritz-Silverstein D, Powe N, Bibbins-Domingo K, Ishani A, Cummings SR. [The association of periodontal disease with kidney function decline: a longitudinal retrospective analysis of the MrOS dental study](#). *Nephrol Dial Transplant*. 2016;31(3):466-72.
269. Holton KF, Marshall LM, Shannon J, Lapidus JA, Shikany JM, Bauer DC, Barrett-Connor E, Parsons JK. [Dietary Antioxidants and Longitudinal Changes in Lower Urinary Tract Symptoms in Elderly Men: The Osteoporotic Fractures in Men Study](#). *European urology focus*. 2016;2(3):310-8.
270. Hooker ER, Shrestha S, Lee CG, Cawthon PM, Abrahamson M, Ensrud K, Stefanick ML, Dam TT, Marshall LM, Orwoll ES, Nielson CM. [Obesity and Falls in a Prospective Study of Older Men: The Osteoporotic Fractures in Men Study](#). *J Aging Health*. 2016.
271. Javaheri S, Blackwell T, Ancoli-Israel S, Ensrud KE, Stone KL, Redline S. [Sleep-disordered Breathing and Incident Heart Failure in Older Men](#). *Am J Respir Crit Care Med*. 2016;193(5):561-8.
272. Koo BB, Blackwell T, Lee HB, Stone KL, Louis ED, Redline S. [Restless Legs Syndrome and Depression: Effect Mediation by Disturbed Sleep and Periodic Limb Movements](#). *The American journal of geriatric psychiatry : official journal of the American Association for Geriatric Psychiatry*. 2016;24(11):1105-16.
273. Krebs EE, Paudel M, Taylor BC, Bauer DC, Fink HA, Lane NE, Ensrud KE. [Association of Opioids with Falls, Fractures, and Physical Performance among Older Men with Persistent Musculoskeletal Pain](#). *J Gen Intern Med*. 2016;31(5):463-9.
274. Kwon Y, Picel K, Adabag S, Vo T, Taylor BC, Redline S, Stone K, Mehra R, Ancoli-Israel S, Ensrud KE. [Sleep-disordered breathing and daytime cardiac conduction abnormalities on 12-lead electrocardiogram in community-dwelling older men](#). *Sleep Breath*. 2016;20(4):1161-8.
275. Lange-Maia BS, Cauley JA, Newman AB, Boudreau RM, Jakicic JM, Glynn NW, Zivkovic S, Dam TL, Caserotti P, Cawthon PM, Orwoll ES, Strotmeyer ES. [Sensorimotor](#)

- [Peripheral Nerve Function and Physical Activity in Older Men.](#) *Journal of aging and physical activity.* 2016;24(4):559-66.
276. Langsetmo L, Vo TN, Ensrud KE, Taylor BC, Cawthon PM, Schwartz AV, Bauer DC, Orwoll ES, Lane NE, Barrett-Connor E, Schousboe JT. [The Association Between Trabecular Bone Score and Lumbar Spine Volumetric BMD Is Attenuated Among Older Men With High Body Mass Index.](#) *J Bone Miner Res.* 2016;31(10):1820-6.
277. Leng Y, Blackwell T, Stone KL, Hoang TD, Redline S, Yaffe K. [Periodic Limb Movements in Sleep are Associated with Greater Cognitive Decline in Older Men without Dementia.](#) *Sleep.* 2016;39(10):1807-10.
278. Marshall LM, Lapidus JA, Wiedrick J, Barrett-Connor E, Bauer DC, Orwoll ES, Parsons JK. [Lower Urinary Tract Symptoms and Risk of Nonspine Fractures among Older Community Dwelling U.S. Men.](#) *J Urol.* 2016;196(1):166-72.
279. Matteini AM, Tanaka T, Karasik D, Atzmon G, Chou WC, Eicher JD, Johnson AD, Arnold AM, Callisaya ML, Davies G, Evans DS, Holtfreter B, Lohman K, Lunetta KL, Mangino M, Smith AV, Smith JA, Teumer A, Yu L, Arking DE, Buchman AS, Chibinik LB, De Jager PL, Evans DA, Faul JD, Garcia ME, Gillham-Naseny I, Gudnason V, Hofman A, Hsu YH, Ittermann T, Lahousse L, Liewald DC, Liu Y, Lopez L, Rivadeneira F, Rotter JI, Siggeirsdottir K, Starr JM, Thomson R, Tranah GJ, Uitterlinden AG, Volker U, Volzke H, Weir DR, Yaffe K, Zhao W, Zhuang WV, Zmuda JM, Bennett DA, Cummings SR, Deary IJ, Ferrucci L, Harris TB, Kardia SL, Kocher T, Kritchevsky SB, Psaty BM, Seshadri S, Spector TD, Srikanth VK, Windham BG, Zillikens MC, Newman AB, Walston JD, Kiel DP, Murabito JM. [GWAS analysis of handgrip and lower body strength in older adults in the CHARGE consortium.](#) *Aging cell.* 2016;15(5):792-800.
280. May AM, Blackwell T, Stone KL, Cawthon PM, Sauer WH, Varosy PD, Redline S, Koo BB, Mehra R. [Longitudinal relationships of periodic limb movements during sleep and incident atrial fibrillation.](#) *Sleep Med.* 2016;25:78-86.
281. May AM, Blackwell T, Stone PH, Stone KL, Cawthon PM, Sauer WH, Varosy PD, Redline S, Mehra R. [Central Sleep-disordered Breathing Predicts Incident Atrial Fibrillation in Older Men.](#) *Am J Respir Crit Care Med.* 2016;193(7):783-91.
282. Monahan K, Song Y, Loparo K, Mehra R, Harrell FE, Jr., Redline S. [Automated detection of atrial fibrillation from the electrocardiogram channel of polysomnograms.](#) *Sleep Breath.* 2016;20(2):515-22.
283. Napoli N, Schafer AL, Lui LY, Cauley JA, Strotmeyer ES, Le Blanc ES, Hoffman AR, Lee CG, Black DM, Schwartz AV. [Serum 25-hydroxyvitamin D level and incident type 2 diabetes in older men, the Osteoporotic Fractures in Men \(MrOS\) study.](#) *Bone.* 2016;90:181-4.
284. Nielson CM, Jones KS, Bouillon R, Chun RF, Jacobs J, Wang Y, Hewison M, Adams JS, Swanson CM, Lee CG, Vanderschueren D, Pauwels S, Prentice A, Smith RD, Shi T, Gao Y, Zmuda JM, Lapidus J, Cauley JA, Schoenmakers I, Orwoll ES. [Role of Assay Type in Determining Free 25-Hydroxyvitamin D Levels in Diverse Populations.](#) *N Engl J Med.* 2016;374(17):1695-6.
285. Nielson CM, Jones KS, Chun RF, Jacobs JM, Wang Y, Hewison M, Adams JS, Swanson CM, Lee CG, Vanderschueren D, Pauwels S, Prentice A, Smith RD, Shi T, Gao Y, Schepmoes AA, Zmuda JM, Lapidus J, Cauley JA, Bouillon R, Schoenmakers I, Orwoll

- ES. [Free 25-Hydroxyvitamin D: Impact of Vitamin D Binding Protein Assays on Racial-Genotypic Associations.](#) *J Clin Endocrinol Metab.* 2016;101(5):2226-34.
286. Nielson CM, Liu CT, Smith AV, Ackert-Bicknell CL, Reppe S, Jakobsdottir J, Wassel C, Register TC, Oei L, Alonso N, Oei EH, Parimi N, Samelson EJ, Nalls MA, Zmuda J, Lang T, Buxsein M, Latourelle J, Claussnitzer M, Siggeirsdottir K, Srikanth P, Lorentzen E, Vandenput L, Langefeld C, Raffield L, Terry G, Cox AJ, Allison MA, Criqui MH, Bowden D, Ikram MA, Mellstrom D, Karlsson MK, Carr J, Budoff M, Phillips C, Cupples LA, Chou WC, Myers RH, Ralston SH, Gautvik KM, Cawthon PM, Cummings S, Karasik D, Rivadeneira F, Gudnason V, Orwoll ES, Harris TB, Ohlsson C, Kiel DP, Hsu YH. [Novel Genetic Variants Associated With Increased Vertebral Volumetric BMD, Reduced Vertebral Fracture Risk, and Increased Expression of SLC1A3 and EPHB2.](#) *J Bone Miner Res.* 2016;31(12):2085-97.
287. Perera S, Patel KV, Rosano C, Rubin SM, Satterfield S, Harris T, Ensrud K, Orwoll E, Lee CG, Chandler JM, Newman AB, Cauley JA, Guralnik JM, Ferrucci L, Studenski SA. [Gait Speed Predicts Incident Disability: A Pooled Analysis.](#) *J Gerontol A Biol Sci Med Sci.* 2016;71(1):63-71.
288. Samuels MH, Kaimal R, Waring A, Fink HA, Yaffe K, Hoffman AR, Orwoll E, Bauer D. [Thyroid Function Variations Within the Reference Range Do Not Affect Quality of Life, Mood, or Cognitive Function in Community-Dwelling Older Men.](#) *Thyroid.* 2016;26(9):1185-94.
289. Schousboe JT, Vo T, Taylor BC, Cawthon PM, Schwartz AV, Bauer DC, Orwoll ES, Lane NE, Barrett-Connor E, Ensrud KE. [Prediction of Incident Major Osteoporotic and Hip Fractures by Trabecular Bone Score \(TBS\) and Prevalent Radiographic Vertebral Fracture in Older Men.](#) *J Bone Miner Res.* 2016;31(3):690-7.
290. Smagula SF, Faulkner K, Scheier MF, Tindle HA, Cauley JA. [Testing the Independence of Multiple Personality Factors in Relation to Health Among Community-Dwelling Older Men.](#) *J Aging Health.* 2016;28(4):571-86.
291. Smagula SF, Stone KL, Redline S, Ancoli-Israel S, Barrett-Connor E, Lane NE, Orwoll ES, Cauley JA. [Actigraphy- and Polysomnography-Measured Sleep Disturbances, Inflammation, and Mortality Among Older Men.](#) *Psychosom Med.* 2016;78(6):686-96.
292. Srikanth P, Chun RF, Hewison M, Adams JS, Bouillon R, Vanderschueren D, Lane N, Cawthon PM, Dam T, Barrett-Connor E, Daniels LB, Shikany JM, Stefanick ML, Cauley JA, Orwoll ES, Nielson CM. [Associations of total and free 25OHD and 1,25\(OH\)2D with serum markers of inflammation in older men.](#) *Osteoporos Int.* 2016;27(7):2291-300.
293. Stone KL, Blackwell TL, Ancoli-Israel S, Barrett-Connor E, Bauer DC, Cauley JA, Ensrud KE, Hoffman AR, Mehra R, Stefanick ML, Varosy PD, Yaffe K, Redline S. [Sleep Disordered Breathing and Risk of Stroke in Older Community-Dwelling Men.](#) *Sleep.* 2016;39(3):531-40.
294. Thadani SR, Ristow B, Blackwell T, Mehra R, Stone KL, Marcus GM, Varosy PD, Cummings SR, Cawthon PM. [Relationship of Bisphosphonate Therapy and Atrial Fibrillation/Flutter: Outcomes of Sleep Disorders in Older Men \(MrOS Sleep\) Study.](#) *Chest.* 2016;149(5):1173-80.

295. Woods GN, Huang MH, Cawthon PM, Laughlin GA, Schousboe JT, McDaniels-Davidson C, Cauley JA, Orwoll E, Barrett-Connor E, Kado DM. [SHBG, Sex Steroids, and Kyphosis in Older Men: The MrOS Study](#). *J Bone Miner Res*. 2016;31(12):2123-8.
296. Zhao YY, Blackwell T, Ensrud KE, Stone KL, Omachi TA, Redline S. [Sleep Apnea and Obstructive Airway Disease in Older Men: Outcomes of Sleep Disorders in Older Men Study](#). *Sleep*. 2016;39(7):1343-51.

2017

297. Abrahamson M, Hooker E, Ajami NJ, Petrosino JF, Orwoll ES. [Successful collection of stool samples for microbiome analyses from a large community-based population of elderly men](#). *Contemp Clin Trials Commun* 2017;7:158-162.
298. Aubert CE, Floriani C, Bauer DC, da Costa BR, Segna D, Blum MR, Collet TH, Fink HA, Cappola AR, Syrogiannouli L, Peeters RP, Asvold BO, den Elzen WPJ, Luben RN, Bremner AP, Gogakos A, Eastell R, Kearney PM, Hoff M, Le Blanc E, Ceresini G, Rivadeneira F, Uitterlinden AG, Khaw KT, Langhammer A, Stott DJ, Westendorp RGJ, Ferrucci L, Williams GR, Gussekloo J, Walsh JP, Aujesky D, Rodondi N. [Thyroid Function Tests in the Reference Range and Fracture: Individual Participant Analysis of Prospective Cohorts](#). *J Clin Endocrinol Metab*. 2017;102(8):2719-28.
299. Baumgartner C, da Costa BR, Collet TH, Feller M, Floriani C, Bauer DC, Cappola AR, Heckbert SR, Ceresini G, Gussekloo J, den Elzen WPJ, Peeters RP, Luben R, Volzke H, Dorr M, Walsh JP, Bremner A, Iacoviello M, Macfarlane P, Heeringa J, Stott DJ, Westendorp RGJ, Khaw KT, Magnani JW, Aujesky D, Rodondi N. [Thyroid Function Within the Normal Range, Subclinical Hypothyroidism, and the Risk of Atrial Fibrillation](#). *Circulation*. 2017;136(22):2100-16.
300. Blackwell T, Paudel M, Redline S, Ancoli-Israel S, Stone KL. [A novel approach using actigraphy to quantify the level of disruption of sleep by in-home polysomnography: the MrOS Sleep Study: Sleep disruption by polysomnography](#). *Sleep Med*. 2017;32:97-104.
301. Bonaretti S, Vilayphiou N, Chan CM, Yu A, Nishiyama K, Liu D, Boutroy S, Ghasem-Zadeh A, Boyd SK, Chapurlat R, McKay H, Shane E, Bouxsein ML, Black DM, Majumdar S, Orwoll ES, Lang TF, Khosla S, Burghardt AJ. [Operator variability in scan positioning is a major component of HR-pQCT precision error and is reduced by standardized training](#). *Osteoporos Int*. 2017;28(1):245-57.
302. Bozorgmehri S, Fink HA, Parimi N, Canales B, Ensrud KE, Ancoli-Israel S, Canales M. [Association of Sleep Disordered Breathing with Erectile Dysfunction in Community Dwelling Older Men](#). *J Urol*. 2017;197(3 Pt 1):776-82.
303. Campos-Obando N, Koek WNH, Hooker ER, van der Eerden BC, Pols HA, Hofman A, van Leeuwen JP, Uitterlinden AG, Nielson CM, Zillikens MC. [Serum Phosphate Is Associated With Fracture Risk: The Rotterdam Study and MrOS](#). *J Bone Miner Res*. 2017;32(6):1182-93.
304. Cawthon PM, Lui LY, Taylor BC, McCulloch CE, Cauley JA, Lapidus J, Orwoll E, Ensrud KE. [Clinical Definitions of Sarcopenia and Risk of Hospitalization in Community-Dwelling Older Men: The Osteoporotic Fractures in Men Study](#). *J Gerontol A Biol Sci Med Sci*. 2017;72(10):1383-9.

305. Cawthon PM, Patel S, Ewing SK, Lui LY, Cauley JA, Lyons JG, Fredman L, Kado DM, Hoffman AR, Lane NE, Ensrud KE, Cummings SR, Orwoll ES. [Bone Loss at the Hip and Subsequent Mortality in Older Men: The Osteoporotic Fractures in Men \(MrOS\) Study.](#) *JBMR plus.* 2017;1(1):31-5.
306. Diem SJ, Peters KW, Gourlay ML, Schousboe JT, Taylor BC, Orwoll ES, Cauley JA, Langsetmo L, Crandall CJ, Ensrud KE. [Screening for Osteoporosis in Older Men: Operating Characteristics of Proposed Strategies for Selecting Men for BMD Testing.](#) *J Gen Intern Med.* 2017;32(11):1235-41.
307. Ensrud KE, Harrison SL, Cauley JA, Langsetmo L, Schousboe JT, Kado DM, Gourlay ML, Lyons JG, Fredman L, Napoli N, Crandall CJ, Lewis CE, Orwoll ES, Stefanick ML, Cawthon PM. [Impact of Competing Risk of Mortality on Association of Weight Loss With Risk of Central Body Fractures in Older Men: A Prospective Cohort Study.](#) *J Bone Miner Res.* 2017;32(3):624-32.
308. Faber BG, Baird D, Gregson CL, Gregory JS, Barr RJ, Aspden RM, Lynch J, Nevitt MC, Lane NE, Orwoll E, Tobias JH. [DXA-derived hip shape is related to osteoarthritis: findings from in the MrOS cohort.](#) *Osteoarthritis Cartilage.* 2017;25(12):2031-8.
309. Fink HA, Vo TN, Langsetmo L, Barzilay JI, Cauley JA, Schousboe JT, Orwoll ES, Canales MT, Ishani A, Lane NE, Ensrud KE. [Association of Increased Urinary Albumin With Risk of Incident Clinical Fracture and Rate of Hip Bone Loss: the Osteoporotic Fractures in Men Study.](#) *J Bone Miner Res.* 2017;32(5):1090-9.
310. Fink HA, Litwack-Harrison S, Taylor BC, Bauer DC, Orwoll ES, Lee CG, Barrett-Connor E, Schousboe JT, Kado DM, Garimella PS, Ensrud KE. [Erratum to: Clinical utility of routine laboratory testing to identify possible secondary causes in older men with osteoporosis: the osteoporotic fractures in men \(MrOS\) study.](#) *Osteoporos Int.* 2017;28(1):419-20.
311. Fink HA, Vo TN, Langsetmo L, Barzilay JI, Cauley JA, Schousboe JT, Orwoll ES, Canales MT, Ishani A, Lane NE, Ensrud KE. [Association of Increased Urinary Albumin With Risk of Incident Clinical Fracture and Rate of Hip Bone Loss: the Osteoporotic Fractures in Men Study.](#) *J Bone Miner Res.* 2017;32(5):1090-9.
312. Gourlay ML, Ritter VS, Fine JP, Overman RA, Schousboe JT, Cawthon PM, Orwoll ES, Nguyen TV, Lane NE, Cummings SR, Kado DM, Lapidus JA, Diem SJ, Ensrud KE. [Comparison of fracture risk assessment tools in older men without prior hip or spine fracture: the MrOS study.](#) *Archives of osteoporosis.* 2017;12(1):91.
313. Hart A, Blackwell TL, Paudel ML, Taylor BC, Orwoll ES, Cawthon PM, Ensrud KE, Osteoporotic Fractures in Men Study G. [Cystatin C and the Risk of Frailty and Mortality in Older Men.](#) *J Gerontol A Biol Sci Med Sci.* 2017;72(7):965-70.
314. Kaplan KA, Hirshman J, Hernandez B, Stefanick ML, Hoffman AR, Redline S, Ancoli-Israel S, Stone K, Friedman L, Zeitzer JM. [When a gold standard isn't so golden: Lack of prediction of subjective sleep quality from sleep polysomnography.](#) *Biological psychology.* 2017;123:37-46.
315. Kassem AM, Ganguli M, Yaffe K, Hanlon JT, Lopez OL, Wilson JW, Cauley JA. [Anxiety symptoms and risk of cognitive decline in older community-dwelling men.](#) *International psychogeriatrics.* 2017;29(7):1137-45.

316. Katzman WB, Parimi N, Mansoori Z, Nardo L, Kado DM, Cawthon PM, Marshall LM, Schousboe JT, Lane NE. [Cross-Sectional and Longitudinal Associations of Diffuse Idiopathic Skeletal Hyperostosis and Thoracic Kyphosis in Older Men and Women.](#) *Arthritis care & research.* 2017;69(8):1245-52.
317. Kwok T, Leung J, Barrett-Connor E. [ARB users exhibit a lower fracture incidence than ACE inhibitor users among older hypertensive men.](#) *Age Ageing.* 2017;46(1):57-64.
318. Laddu DR, Cawthon PM, Parimi N, Hoffman AR, Orwoll E, Miljkovic I, Stefanick ML. [Trajectories of the relationships of physical activity with body composition changes in older men: the MrOS study.](#) *BMC geriatrics.* 2017;17(1):119.
319. Langsetmo L, Kats AM, Cawthon PM, Cauley JA, Vo TN, Taylor BC, Stefanick ML, Lane NE, Stone KL, Orwoll ES, Schousboe JT, Ensrud KE. [The Association Between Objectively Measured Physical Activity and Subsequent Health Care Utilization in Older Men.](#) *J Gerontol A Biol Sci Med Sci* 2017.
320. Langsetmo L, Shikany JM, Cawthon PM, Cauley JA, Taylor BC, Vo TN, Bauer DC, Orwoll ES, Schousboe JT, Ensrud KE. [The Association Between Protein Intake by Source and Osteoporotic Fracture in Older Men: A Prospective Cohort Study.](#) *J Bone Miner Res.* 2017;32(3):592-600.
321. Marshall LM, Litwack-Harrison S, Makris UE, Kado DM, Cawthon PM, Deyo RA, Carlson NL, Nevitt MC. [A Prospective Study of Back Pain and Risk of Falls Among Older Community-dwelling Men.](#) *J Gerontol A Biol Sci Med Sci.* 2017;72(9):1264-9.
322. Nielson CM, Wiedrick J, Shen J, Jacobs J, Baker ES, Baraff A, Piehowski P, Lee CG, Baratt A, Petyuk V, McWeeney S, Lim JY, Bauer DC, Lane NE, Cawthon PM, Smith RD, Lapidus J, Orwoll ES. [Identification of Hip BMD Loss and Fracture Risk Markers Through Population-Based Serum Proteomics.](#) *J Bone Miner Res.* 2017;32(7):1559-67.
323. Orwoll ES, Lapidus J, Wang PY, Vandenput L, Hoffman A, Fink HA, Laughlin GA, Nethander M, Ljunggren O, Kindmark A, Lorentzon M, Karlsson MK, Mellstrom D, Kwok A, Khosla S, Kwok T, Ohlsson C. [The Limited Clinical Utility of Testosterone, Estradiol, and Sex Hormone Binding Globulin Measurements in the Prediction of Fracture Risk and Bone Loss in Older Men.](#) *J Bone Miner Res.* 2017;32(3):633-40.
324. Pollack LR, Litwack-Harrison S, Cawthon PM, Ensrud K, Lane NE, Barrett-Connor E, Dam TT. [Patterns and Predictors of Frailty Transitions in Older Men: The Osteoporotic Fractures in Men Study.](#) *J Am Geriatr Soc.* 2017;65(11):2473-9.
325. Raman D, Kaffashi F, Lui LY, Sauer WH, Redline S, Stone P, Cawthon PM, Stone KL, Ensrud KE, Ancoli-Israel S, Loparo K, Mehra R. [Polysomnographic Heart Rate Variability Indices and Atrial Ectopy Associated with Incident Atrial Fibrillation Risk in Older Community-dwelling Men.](#) *JACC Clinical electrophysiology.* 2017;3(5):451-60.
326. Robinson-Cohen C, Lutsey PL, Kleber ME, Nielson CM, Mitchell BD, Bis JC, Eny KM, Portas L, Eriksson J, Lorentzon M, Koller DL, Milaneschi Y, Teumer A, Pilz S, Nethander M, Selvin E, Tang W, Weng LC, Wong HS, Lai D, Peacock M, Hannemann A, Volker U, Homuth G, Nauk M, Murgia F, Pattee JW, Orwoll E, Zmuda JM, Riancho JA, Wolf M, Williams F, Penninx B, Econs MJ, Ryan KA, Ohlsson C, Paterson AD, Psaty BM, Siscovick DS, Rotter JI, Pirastu M, Streeten E, Marz W, Fox C, Coresh J, Wallaschofski H, Pankow JS, de Boer IH, Kestenbaum B. [Genetic Variants Associated with Circulating](#)

- [Parathyroid Hormone](#). *Journal of the American Society of Nephrology: JASN*. 2017;28(5):1553-65.
327. Rogers TS, Blackwell TL, Lane NE, Tranah G, Orwoll ES, Cauley JA, Ancoli-Israel S, Stone KL, Cummings SR, Cawthon PM. [Rest-activity patterns and falls and fractures in older men](#). *Osteoporos Int*. 2017;28(4):1313-22.
328. Rogers TS, Harrison S, Swanson C, Cauley JA, Barrett-Connor E, Orwoll E, Stone KL, Lane NE. [Rest-activity circadian rhythms and bone mineral density in elderly men](#). *Bone reports*. 2017;7:156-63.
329. Schousboe JT, Vo TN, Langsetmo L, Taylor BC, Cawthon PM, Schwartz AV, Bauer DC, Orwoll ES, Lane NE, Barrett-Connor E, Ensrud KE. [Association of Trabecular Bone Score \(TBS\) With Incident Clinical and Radiographic Vertebral Fractures Adjusted for Lumbar Spine BMD in Older Men: A Prospective Cohort Study](#). *J Bone Miner Res*. 2017;32(7):1554-8.
330. Schousboe JT, Langsetmo L, Schwartz AV, Taylor BC, Vo TN, Kats AM, Barrett-Connor E, Orwoll ES, Marshall LM, Miljkovic I, Lane NE, Ensrud KE. [Comparison of Associations of DXA and CT Visceral Adipose Tissue Measures With Insulin Resistance, Lipid Levels, and Inflammatory Markers](#). *J Clin Densitom*. 2017;20(2):256-64.
331. Sheu Y, Amati F, Schwartz AV, Danielson ME, Li X, Boudreau R, Cauley JA. [Vertebral bone marrow fat, bone mineral density and diabetes: The Osteoporotic Fractures in Men \(MrOS\) study](#). *Bone*. 2017;97:299-305.
332. Smagula SF, Harrison S, Cauley JA, Ancoli-Israel S, Cawthon PM, Cummings S, Stone KL. [Determinants of Change in Objectively Assessed Sleep Duration Among Older Men](#). *Am J Epidemiol*. 2017;185(10):933-40.
333. Travison TG, Vesper HW, Orwoll E, Wu F, Kaufman JM, Wang Y, Lapauw B, Fiers T, Matsumoto AM, Bhasin S. [Harmonized Reference Ranges for Circulating Testosterone Levels in Men of Four Cohort Studies in the United States and Europe](#). *J Clin Endocrinol Metab*. 2017;102(4):1161-73.
334. Valderrabano RJ, Lee J, Lui LY, Hoffman AR, Cummings SR, Orwoll ES, Wu JY, Osteoporotic Fractures in Men Study Research G. [Older Men With Anemia Have Increased Fracture Risk Independent of Bone Mineral Density](#). *J Clin Endocrinol Metab*. 2017;102(7):2199-206.
335. Valderrabano RJ, Lui LY, Lee J, Cummings SR, Orwoll ES, Hoffman AR, Wu JY. [Bone Density Loss Is Associated With Blood Cell Counts](#). *J Bone Miner Res*. 2017;32(2):212-20.
336. Vandenput L, Mellstrom D, Laughlin GA, Cawthon PM, Cauley JA, Hoffman AR, Karlsson MK, Rosengren BE, Ljunggren O, Nethander M, Eriksson AL, Lorentzon M, Leung J, Kwok T, Orwoll ES, Ohlsson C. [Low Testosterone, but Not Estradiol, Is Associated With Incident Falls in Older Men: The International MrOS Study](#). *J Bone Miner Res*. 2017;32(6):1174-81.
337. Winkelman JW, Blackwell T, Stone K, Ancoli-Israel S, Redline S. [Associations of Incident Cardiovascular Events With Restless Legs Syndrome and Periodic Leg Movements of Sleep in Older Men, for the Outcomes of Sleep Disorders in Older Men Study \(MrOS Sleep Study\)](#). *Sleep*. 2017;40(4).

338. Zillikens MC, Demissie S, Hsu YH, Yerges-Armstrong LM, Chou WC, Stolk L, Livshits G, Broer L, Johnson T, Koller DL, Kutalik Z, Luan J, Malkin I, Ried JS, Smith AV, Thorleifsson G, Vandenput L, Hua Zhao J, Zhang W, Aghdassi A, Åkesson K, Amin N, Baier LJ, Barroso I, Bennett DA, Bertram L, Biffar R, Bochud M, Boehnke M, Borecki IB, Buchman AS, Byberg L, Campbell H, Campos Obanda N, Cauley JA, Cawthon PM, Cederberg H, Chen Z, Cho NH, Jin Choi H, Claussnitzer M, Collins F, Cummings SR, De Jager PL, Demuth I, Dhonukshe-Rutten RAM, Diatchenko L, Eiriksdottir G, Enneman AW, Erdos M, Eriksson JG, Eriksson J, Estrada K, Evans DS, Feitosa MF, Fu M, Garcia M, Gieger C, Girke T, Glazer NL, Grallert H, Grewal J, Han BG, Hanson RL, Hayward C, Hofman A, Hoffman EP, Homuth G, Hsueh WC, Hubal MJ, Hubbard A, Huffman KM, Husted LB, Illig T, Ingelsson E, Ittermann T, Jansson JO, Jordan JM, Jula A, Karlsson M, Khaw KT, Kilpeläinen TO, Klopp N, Kloth JSL, Koistinen HA, Kraus WE, Kritchevsky S, Kuulasmaa T, Kuusisto J, Laakso M, Lahti J, Lang T, Langdahl BL, Launer LJ, Lee JY, Lerch MM, Lewis JR, Lind L, Lindgren C, Liu Y, Liu T, Liu Y, Ljunggren Ö, Lorentzon M, Luben RN, Maixner W, McGuigan FE, Medina-Gomez C, Meitinger T, Melhus H, Mellström D, Melov S, Michaëlsson K, Mitchell BD, Morris AP, Mosekilde L, Newman A, Nielson CM, O'Connell JR, Oostra BA, Orwoll ES, Palotie A, Parker S, Peacock M, Perola M, Peters A, Polasek O, Prince RL, Rääkkönen K, Ralston SH, Ripatti S, Robbins JA, Rotter JI, Rudan I, Salomaa V, Satterfield S, Schadt EE, Schipf S, Scott L, Sehmi J, Shen J, Soo Shin C, Sigurdsson G, Smith S, Soranzo N, Stančáková A, Steinhagen-Thiessen E, Streeten EA, Styrkarsdottir U, Swart KMA, Tan ST, Tarnopolsky MA, Thompson P, Thomson CA, Thorsteinsdottir U, Tikkanen E, Tranah GJ, Tuomilehto J, van Schoor NM, Verma A, Vollenweider P, Völzke H, Wactawski-Wende J, Walker M, Weedon MN, Welch R, Wichman HE, Widen E, Williams FMK, Wilson JF, Wright NC, Xie W, Yu L, Zhou Y, Chambers JC, Döring A, van Duijn CM, Econs MJ, Gudnason V, Kooner JS, Psaty BM, Spector TD, Stefansson K, Rivadeneira F, Uitterlinden AG, Wareham NJ, Ossowski V, Waterworth D, Loos RJJ, Karasik D, Harris TB, Ohlsson C, Kiel DP. [Large meta-analysis of genome-wide association studies identifies five loci for lean body mass](#). *Nature communications*. 2017;8(1):80.

2018

339. Adabag S, Vo TN, Langsetmo L, Schousboe JT, Cawthon PM, Stone KL, Shikany JM, Taylor BC, Ensrud KE. [Frailty as a Risk Factor for Cardiovascular Versus Noncardiovascular Mortality in Older Men: Results From the MrOS Sleep \(Outcomes of Sleep Disorders in Older Men\) Study](#). *J Am Heart Assoc* 2018;7(10).
340. Bonham LW, Evans DS, Liu Y, Cummings SR, Yaffe K, Yokoyama JS. [Neurotransmitter Pathway Genes in Cognitive Decline During Aging: Evidence for GNG4 and KCNQ2 Genes](#). *Am J Alzheimers Dis Other Dement* 2018;33(3):153-165.
341. Ensrud KE, Vo TN, Burghardt AJ, Schousboe JT, Cauley JA, Taylor BC, Hoffman AR, Orwoll ES, Lane NE, Langsetmo L. [Weight loss in men in late life and bone strength and microarchitecture: a prospective study](#). *Osteoporos Int* 2018;29(7):1549-1558. PMID: 29572622
342. Eriksson AL, Perry JRB, Coviello AD, Delgado GE, Ferrucci L, Hoffman AR, Huhtaniemi IT, Ikram MA, Karlsson MK, Kleber ME, Laughlin GA, Liu Y, Lorentzon M, Lunetta KL, Mellstrom D, Murabito JM, Murray A, Nethander M, Nielson CM, Prokopenko I, Pye SR, Raffel LJ, Rivadeneira F, Srikanth P, Stolk L, Teumer A, Trivison TG, Uitterlinden AG,

- Vaidya D, Vanderschueren D, Zmuda JM, Marz W, Orwoll ES, Ouyang P, Vandenput L, Wu FCW, de Jong FH, Bhasin S, Kiel DP, Ohlsson C. [Genetic Determinants of Circulating Estrogen Levels and Evidence of a Causal Effect of Estradiol on Bone Density in Men.](#) *J Clin Endocrinol Metab* 2018;103(3):991-1004.
343. Fink HA, Langsetmo L, Vo TN, Orwoll ES, Schousboe JT, Ensrud KE. [Association of High-resolution Peripheral Quantitative Computed Tomography \(HR-pQCT\) bone microarchitectural parameters with previous clinical fracture in older men: The Osteoporotic Fractures in Men \(MrOS\) study.](#) *Bone* 2018;113:49-56.
344. Harvey NC, Oden A, Orwoll E, Lapidus J, Kwok T, Karlsson MK, Rosengren BE, Ljunggren O, Cooper C, McCloskey E, Kanis JA, Ohlsson C, Mellstrom D, Johansson H. [Falls Predict Fractures Independently of FRAX Probability: A Meta-Analysis of the Osteoporotic Fractures in Men \(MrOS\) Study.](#) *J Bone Miner Res* 2018;33(3):510-516.
345. Jammy GR, Boudreau RM, Singh T, Sharma PK, Ensrud K, Zmuda JM, Reddy PS, Newman AB, Cauley JA. [Volumetric bone mineral density \(vBMD\), bone structure, and structural geometry among rural South Indian, US Caucasian, and Afro-Caribbean older men.](#) *Arch Osteoporos* 2018;13(1):60.
346. Langsetmo L, Shikany JM, Burghardt AJ, Cawthon PM, Orwoll ES, Cauley JA, Taylor BC, Schousboe JT, Bauer DC, Vo TN, Ensrud KE. [High dairy protein intake is associated with greater bone strength parameters at the distal radius and tibia in older men: a cross-sectional study.](#) *Osteoporos Int.* 2018;29(1):69-77.
347. Langsetmo L, Peters KW, Burghardt AJ, Ensrud KE, Fink HA, Cawthon PM, Cauley JA, Schousboe JT, Barrett-Connor E, Orwoll ES. [Volumetric Bone Mineral Density and Failure Load of Distal Limbs Predict Incident Clinical Fracture Independent HR-pQCT BMD and Failure Load Predicts Incident Clinical Fracture of FRAX and Clinical Risk Factors Among Older Men.](#) *J Bone Miner Res* 2018;33(7):1302-1311.
348. Napoli N, Schwartz AV, Schafer AL, Vittinghoff E, Cawthon PM, Parimi N, Orwoll E, Strotmeyer ES, Hoffman AR, Barrett-Connor E, Black DM. [Vertebral Fracture Risk in Diabetic Elderly Men: The MrOS Study.](#) *J Bone Miner Res.* 2018;33(1):63-9.
349. Nowak KL, Yaffe K, Orwoll ES, Ix JH, You Z, Barrett-Connor E, Hoffman AR, Chonchol M. [Serum Sodium and Cognition in Older Community-Dwelling Men.](#) *Clin J Am Soc Nephrol* 2018;13(3):366-374.
350. Orwoll ES, Wiedrick J, Jacobs J, Baker ES, Piehowski P, Petyuk V, Gao Y, Shi T, Smith RD, Bauer DC, Cummings SR, Nielson CM, Lapidus J. [High-throughput serum proteomics for the identification of protein biomarkers of mortality in older men.](#) *Aging Cell* 2018;17(2).
351. Rogers TS, Harrison S, Judd S, Orwoll ES, Marshall LM, Shannon J, Langsetmo L, Lane NE, Shikany JM. [Dietary patterns and longitudinal change in hip bone mineral density among older men.](#) *Osteoporos Int* 2018;29(5):1135-1145.
352. Schousboe JT, Vo TN, Langsetmo L, Taylor BC, Kats AM, Schwartz AV, Bauer DC, Cauley JA, Ensrud KE. [Predictors of change of trabecular bone score \(TBS\) in older men: results from the Osteoporotic Fractures in Men \(MrOS\) Study.](#) *Osteoporos Int.* 2018;29(1):49-59.
353. Slinin Y, Vo T, Taylor BC, Murray AM, Schousboe J, Langsetmo L, Ensrud K. [Serum phosphate and cognitive function in older men.](#) *International journal of geriatric psychiatry.* 2018;33(1):159-66.
354. Sun J, Oualkacha K, Forgetta V, Zheng HF, Richards JB, Evans DS, Orwoll E, Greenwood CMT. [Exome-wide rare variant analyses of two bone mineral density](#)

- [phenotypes: the challenges of analyzing rare genetic variation](#). *Scientific reports*. 2018;8(1):220.
355. Tranah GJ, Yaffe K, Nievergelt CM, Parimi N, Glymour MM, Ensrud KE, Cauley JA, Ancoli-Israel S, Mariani S, Redline S, Stone KL. [APOEepsilon4 and slow wave sleep in older adults](#). *PLoS one*. 2018;13(1):e0191281.
 356. Wallace ML, Stone K, Smagula SF, Hall MH, Simsek B, Kado DM, Redline S, Vo TN, Buysse DJ. [Which Sleep Health Characteristics Predict All-Cause Mortality in Older Men? An Application of Flexible Multivariable Approaches](#). *Sleep*. 2018;41(1).
 357. Wright NC, Hooker ER, Nielson CM, Ensrud KE, Harrison SL, Orwoll ES, Barrett-Connor E. [The epidemiology of wrist fractures in older men: the Osteoporotic Fractures in Men \(MrOS\) study](#). *Osteoporos Int*. 2018.
 358. Yang L, Parimi N, Orwoll ES, Black DM, Schousboe JT, Eastell R.. [Association of incident hip fracture with the estimated femoral strength by finite element analysis of DXA scans in the Osteoporotic Fractures in Men \(MrOS\) study](#). *Osteoporos Int*. 2018;29(3):643-651.
 359. Zeitzer JM, Blackwell T, Hoffman AR, Cummings S, Ancoli-Israel S, Stone K. [Daily Patterns of Accelerometer Activity Predict Changes in Sleep, Cognition, and Mortality in Older Men](#). *J Gerontol A Biol Sci Med Sci* 2018;73(5):682-687.

Manuscripts In Press

1. Buehring B, Hansen KE, Lewis BL, Cummings SR, Lane NE, Binkley N, Ensrud KE, Cawthon PM; Osteoporotic Fractures in Men (MrOS) Study Research Group. [Dysmobility Syndrome Independently Increases Fracture Risk in the Osteoporotic Fractures in Men \(MrOS\) Prospective Cohort Study](#). *J Bone Miner Res*.
2. Cauley JA, Burghardt AJ, Harrison SL, Cawthon PM, Schwartz AV, Connor EB, Ensrud KE, Langsetmo L, Majumdar S, Orwoll E; Osteoporotic Fractures in Men (MrOS) Research Group. [Accelerated Bone Loss in Older Men: Effects on Bone Microarchitecture and Strength](#). *J Bone Miner Res*.
3. Cawthon PM, Orwoll ES, Peters KE, Ensrud KE, Cauley JA, Kado DM, Stefanick ML, Shikany JM, Strotmeyer ES, Glynn NW, Caserotti P, Shankaran M, Hellerstein M, Cummings SR, Evans WJ; Osteoporotic Fractures in Men (MrOS) Study Research Group. [Strong Relation between Muscle Mass Determined by D3-creatine Dilution, Physical Performance and Incidence of Falls and Mobility Limitations in a Prospective Cohort of Older Men](#). *J Gerontol A Biol Sci Med Sci*.
4. Chalhoub D, Boudreau R, Greenspan S, Newman AB, Zmuda J, Frank-Wilson AW, Nagaraj N, Hoffman AR, Lane NE, Stefanick ML, Barrett-Connor E, Dam T, Cawthon P, Orwoll E, Cauley JA; Osteoporotic Fractures in Men (MrOS) Study Research Group. [Associations between lean mass, muscle strength and power, and skeletal size, density and strength in older men](#). *J Bone Miner Res*.
5. Ensrud KE, Lui LY, Langsetmo L, Vo TN, Taylor BC, Cawthon PM, Kilgore ML, McCulloch CE, Cauley JA, Stefanick ML, Yaffe K, Orwoll ES, Schousboe JT; Osteoporotic Fractures in Men (MrOS) Study Group. [Effects of Mobility and Multimorbidity on Inpatient and Post-Acute Health Care Utilization](#). *J Gerontol A Biol Sci Med Sci*.

6. Feng L, Langsetmo L, Yaffe K, Sun Y, Fink HA, Shikany JM, Leung PC, Lane NE, Cauley JA; Osteoporotic Fractures in Men (MrOS) Study Group. [No Effects of Black Tea on Cognitive Decline Among Older US Men: A Prospective Cohort Study.](#) *J Alzheimers Dis.*
7. Harvey NC, Odén A, Orwoll E, Lapidus J, Kwok T, Karlsson MK, Rosengren BE, Ribom E, Cooper C, Cawthon PM, Kanis JA, Ohlsson C, Mellström D, Johansson H, McCloskey E. [Measures of physical performance and muscle strength as predictors of fracture risk independent of FRAX, falls and BMD: A meta-analysis of the Osteoporotic Fractures in Men \(MrOS\) Study.](#) *J Bone Miner Res.*
8. Laddu D, Parimi N, Cauley JA, Cawthon PM, Ensrud KE, Orwoll E, Stefanick M, Langsetmo L. [The Association between Trajectories of Physical Activity and All-cause and Cause-specific Mortality.](#) *J Gerontol A Biol Sci Med Sci.*
9. Langsetmo L, Kats AM, Cawthon PM, Cauley JA, Vo TN, Taylor BC, Stefanick ML, Lane NE, Stone KL, Orwoll ES, Schousboe JT, Ensrud KE; Osteoporotic Fractures in Men (MrOS) Study Group. [The Association Between Objectively Measured Physical Activity and Subsequent Health Care Utilization in Older Men.](#) *J Gerontol A Biol Sci Med Sci.*