



## Deborah Kado

Professor of Medicine (Primary Care and Population Health) and, by courtesy, of Epidemiology and Population Health

Medicine - Primary Care and Population Health

### CLINICAL OFFICE (PRIMARY)

- **Stanford Senior Care**

211 Quarry Rd Ste 402

MC 5995

Palo Alto, CA 94304

**Tel** (650) 725-5222      **Fax** (650) 721-2227

### Bio

---

#### BIO

Dr. Kado is a board-certified, fellowship-trained doctor specializing in geriatrics. She serves as co-director of the Stanford Longevity Center. She is a professor of medicine and chief of research for the Geriatrics Section in the Department of Medicine, Division of Primary Care and Population Health. She is also the Director of the Geriatric Research, Education, and Clinical Center (GRECC) at VA Palo Alto Health Care System.

For each patient, Dr. Kado prepares a personalized care plan. Her objective is to help all individuals maintain the best possible health and quality of life as they age.

A special interest of Dr. Kado is bone health. She has conducted extensive research focused on osteoporosis and the related disorder hyperkyphosis. Since joining the UCLA faculty in 2000, she has received continuous funding for her research from the National Institutes of Health (NIH).

She has over 100 peer-reviewed publications of her research findings in the Journal of Bone and Mineral Research, Osteoporosis International, Journal of Gerontology and Medical Sciences, Journal of Geriatric Oncology, Nature Communications, and other peer-reviewed journals.

In 2007, she defined hyperkyphosis as a new geriatric syndrome. Her discoveries in this field were first featured in the American College of Physician's premier internal medicine journal Annals of Internal Medicine. Later, they also appeared in a dedicated chapter in UpToDate, the electronic resource providing evidence-based clinical decision support for doctors worldwide.

Prior to coming to Stanford, Dr. Kado practiced at UC San Diego where she started a dedicated osteoporosis clinic for patient care and research. She later broadened her research interests beyond musculoskeletal aging to study other aging-related topics such as the gut microbiome in older men and the effects of cancer treatments on aging in newly diagnosed breast cancer patients.

Dr. Kado is a California native. She trained at UCSF and UCLA. She also earned a Master of Science degree in epidemiology at the UCLA School of Public Health, sponsored by the John Hartford Foundation.

She is a member of the American Geriatrics Society, American Society of Bone and Mineral Research, Gerontological Society of America, The Endocrine Society, and other professional organizations. She co-chairs the NIH National Institute on Aging Workshop for the American Society of Bone and Mineral Research. She also participates in the Bone Health Working Group of the Society for Women's Health Research.

## **CLINICAL FOCUS**

- Bone Health Specialist
- Internal Medicine
- Geriatric Medicine

## **ACADEMIC APPOINTMENTS**

- Professor - University Medical Line, Medicine - Primary Care and Population Health
- Professor - University Medical Line (By courtesy), Epidemiology and Population Health
- Member, Wu Tsai Human Performance Alliance

## **ADMINISTRATIVE APPOINTMENTS**

- Director of the Geriatric Research Education Clinical Center (GRECC), GRECC, Veterans Health Administration, Palo Alto, CA, (2023- present)
- Chief of Geriatrics Research, Stanford University School of Medicine, (2021- present)
- Co-Director, Stanford Longevity Center, (2021- present)
- Director, Advanced Training in Geriatrics Fellowship, GRECC, Veterans Health Administration, Palo Alto, CA, (2021-2026)

## **HONORS AND AWARDS**

- Fellow, American Society of Bone and Mineral Research, American Society of Bone and Mineral Research (2020)

## **PROFESSIONAL EDUCATION**

- Board Certification: Geriatric Medicine, American Board of Internal Medicine (2000)
- Board Certification: Internal Medicine, American Board of Internal Medicine (2020)
- Fellowship: University of California, Los Angeles; UCLA Division of Geriatrics (2000) CA
- M.S., UCLA School of Public Health , Epidemiology (1999)
- Master's Clinical Research, University of California, San Francisco , Clinical Research (1998)
- Residency: Harbor UCLA Internal Medicine Residency (1995) CA
- Medical Education: Weill Cornell Medical College (1991) NY
- A.B., Bryn Mawr College , Biology (1987)

## **Teaching**

---

### **COURSES**

#### **2025-26**

- Being Mortal: Medicine, Mortality and Caring for Older Adults: MED 296 (Aut, Spr)
- Longevity: HUMBIO 149L, PSYCH 102 (Win)

#### **2024-25**

- Being Mortal: Medicine, Mortality and Caring for Older Adults: MED 296 (Aut, Spr)

#### 2023-24

- Being Mortal: Medicine, Mortality and Caring for Older Adults: MED 296 (Aut, Spr)
- Longevity: HUMBIO 149L, PSYCH 102 (Win)

#### GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Endocrinology (Fellowship Program)
- Geriatric Medicine (Fellowship Program)

### Publications

---

#### PUBLICATIONS

- **Association of the vitamin D metabolite ratio with bone turnover markers and changes in volumetric BMD** *JBMR PLUS*  
Mulligan, E., Blackwell, T., Hoofnagle, A. N., Potok, O., Cauley, J. A., Burghardt, A. J., Ensrud, K., Kado, D. M., Ix, J. H., Orwoll, E., Cawthon, P. M., Ginsberg, C.  
2026; 10 (5)
- **Association of radiomic features of skeletal muscle on CT images with muscle function and physical performance in older men.** *Age and ageing*  
Hetherington-Rauth, M., Mansfield, T. A., Lenchik, L., Weaver, A. A., Kado, D. M., Lane, N. E., Orwoll, E., Cawthon, P. M.  
2026; 55 (3)
- **The Osteoporotic Fractures in Men Study (MrOS): a 25-year landmark study of skeletal health in older men.** *Journal of bone and mineral research : the official journal of the American Society for Bone and Mineral Research*  
Cauley, J. A., Cawthon, P. M., Ensrud, K., Fink, H. A., Ginsberg, C., Kado, D. M., Langsetmo, L., Schousboe, J. T., Strotmeyer, E. S., Cummings, S. R., Orwoll, E. S.  
2026
- **Leg Power and Velocity Predict the Risk of Major Osteoporotic Fractures (MOF): the Osteoporotic Fractures in Men (MrOS) Study.** *Journal of bone and mineral research : the official journal of the American Society for Bone and Mineral Research*  
Yu, T., Strotmeyer, E. S., Heilmann, N. Z., Kado, D. M., Ensrud, K., Knueven, M. W., Caserotti, P., Cawthon, P., Cauley, J. A.  
2026
- **Exploratory survey study of differences in knowledge, attitudes, and practices of outpatient older adult clinical care between dermatologists, primary care physicians and geriatricians across three academic medical centers.** *BMC geriatrics*  
Zhong, X., Sia, T., Perry, W. M., Li, S., Park, C., Tee, S., Kado, D. M., Yeung, H., Abuabara, K., Chang, A. L.  
2026
- **FSH and longitudinal changes in bone marrow adipose tissue composition in older adults.** *Bone*  
Kim, T. Y., Hue, T. F., Ewing, S. K., Li, X., Sigurdsson, S., Guðnason, V., Vlug, A. G., Kado, D. M., Vittinghoff, E., Wu, K. C., Koh, E. H., Rosen, C. J., Zaidi, et al  
2025: 117758
- **A Novel, Multi-Institutional Geriatrics Assessment Identifies Knowledge Gaps in Health Professions Trainees**  
Rangan, A., Varma, M., Jantea, R., Wang, M., Shavit, Y., Pelletier, S., Schwartz, A., Kado, D.  
OXFORD UNIV PRESS.2025: 1098-1099
- **Metabolomic Biomarkers of Rest-Activity Rhythms in Older Men: results from the Osteoporotic Fractures in Men study (MrOS) Study.** *Sleep*  
Zhang, L., Viola Lee, K. A., Stone, K., LaCroix, A., Shadyab, A. H., Yaffe, K., Redline, S., Kado, D., Yeung, C. H., Wang, S., Huang, Y., Xiao, Q.  
2025
- **Knowledge, attitudes, and beliefs about balance among adults in the United States.** *SAGE open medicine*  
Rovzar, C. M., Tee, S., Calvachi, P., Ganapathy, A., Knauer, A., Brezoczky, K., Phelan, E. A., Kado, D. M.  
2025; 13: 20503121251374966

- **Around the EQUATOR With Clin-STAR: AI-Based Randomized Controlled Trial Challenges and Opportunities in Aging Research.** *Journal of the American Geriatrics Society*  
Yang, B., Park, C., Lin, S., Muralidharan, V., Kado, D. M.  
2025
- **GRADUATING MEDICAL STUDENTS' PERFORMANCE ON A GERIATRICS KNOWLEDGE TEST IS ASSOCIATED WITH ATTITUDES**  
Rangan, A., Shavit, Y., Kado, D.  
OXFORD UNIV PRESS.2024: 175
- **Proceedings of the 2024 Santa Fe Bone Symposium: Update on the Management of Osteoporosis and Rare Bone Diseases.** *Journal of clinical densitometry : the official journal of the International Society for Clinical Densitometry*  
Lewiecki, E. M., Bilezikian, J. P., Clark, A., Collins, M. T., Kado, D. M., Lane, J., Langdahl, B., McClung, M. R., Snyder, P. J., Stein, E. M.  
2024; 28 (1): 101559
- **Neighborhood Socioeconomic Deprivation and Health Care Costs in Older Community-Dwelling Adults: Importance of Functional Impairment and Frailty.** *Journal of general internal medicine*  
Schousboe, J. T., Langsetmo, L., Kats, A. M., Taylor, B. C., Boyd, C., Van Riper, D., Kado, D. M., Duan-Porter, W., Cawthon, P. M., Ensrud, K. E.  
2024
- **Hip Fracture Risk Assessment Tools for Adults Aged 80 Years and Older.** *JAMA network open*  
Ensrud, K. E., Schousboe, J. T., Crandall, C. J., Leslie, W. D., Fink, H. A., Cawthon, P. M., Kado, D. M., Lane, N. E., Cauley, J. A., Langsetmo, L.  
2024; 7 (6): e2418612
- **Difference between kidney function by cystatin C versus creatinine and association with muscle mass and frailty.** *Journal of the American Geriatrics Society*  
Yuan, J. H., Rifkin, D. E., Ginsberg, C., Cawthon, P. M., Kado, D. M., Bauer, S. R., Ensrud, K. E., Hoffman, A. R., Potok, O. A.  
2024
- **Replacing sedentary time for physical activity: Does intensity matter for body composition in oldest-old adults?** *Journal of sports sciences*  
Hetherington-Rauth, M., Webber, K., Roe, L. S., Hoffman, A. R., Kado, D., Langsetmo, L., Orwoll, E. S., Cawthon, P.  
2024: 1-10
- **Balancing fracture risk versus risk of mortality before fracture among women aged 80 years or older.** *Journal of the American Geriatrics Society*  
Schousboe, J. T., Langsetmo, L., Fink, H. A., Kado, D. M., Cauley, J. A., Taylor, B. C., Ensrud, K. E.  
2024
- **A protocol for the prospective study of urinary cadmium with risk of fracture, bone loss, and muscle loss.** *JBMR plus*  
de la Bastide, C., Soares, L., Lui, L. Y., Harrington, J., Cawthon, P., Orwoll, E., Kado, D., Meliker, J.  
2024; 8 (2): ziad006
- **Associations between Walking Speed and Gut Microbiome Composition in Older Men from the MrOS Study.** *The journals of gerontology. Series A, Biological sciences and medical sciences*  
Farsijani, S., Cauley, J. A., Cawthon, P. M., Langsetmo, L., Orwoll, E. S., Kado, D. M., Kiel, D. P., Newman, A. B.  
2024
- **Night-to-Night Sleep Duration Variability and Gut Microbial Diversity: More Evidence for a Brain-Gut Microbiome-Sleep Connection.** *Sleep*  
Kado, D. M.  
2024
- **Optimizing exoskeleton assistance to improve walking speed and energy economy for older adults.** *Journal of neuroengineering and rehabilitation*  
Lakmazaheri, A., Song, S., Vuong, B. B., Biskner, B., Kado, D. M., Collins, S. H.  
2024; 21 (1): 1
- **ASSOCIATIONS BETWEEN WALKING SPEED AND GUT MICROBIOME DIVERSITY IN OLDER MEN FROM THE MROS STUDY**  
Farsijani, S., Cauley, J., Cawthon, P., Langsetmo, L., Orwoll, E., Newman, A., Kado, D.  
OXFORD UNIV PRESS.2023: 600
- **Breaking Up Sedentary Time Reduces Recurrent Fall Risk, but Not Incident Fracture Risk in Older Men.** *JBMR plus*  
Roe, L. S., Harrison, S., Cawthon, P. M., Ensrud, K., Gabriel, K. P., Kado, D. M., Cauley, J. A.

2023; 7 (12): e10803

- **Force Plate Leg Power and Velocity Was Associated With the Risk of Major Osteoporotic Fractures (MOF): the Osteoporotic Fractures in Men Study (MrOS)**  
Yu, T., Strotmeyer, E., Heilmann, N., Kado, D., Ensrud, K., Winger, M., Caserotti, P., Cawthon, P., Cauley, J.  
OXFORD UNIV PRESS.2023: 177
- **The Vitamin D Metabolite Ratio Is Associated with Volumetric Bone Density in Older Men**  
Ginsberg, C., Blackwell, T. L., Cheng, J., Potok, O., Cauley, J., Ensrud, K. E., Hsu, S., Kado, D. M., Orwoll, E., Cawthon, P. M., Ix, J. H.  
AMER SOC NEPHROLOGY.2023: 126
- **The Vitamin D Metabolite Ratio and Incident Cardiovascular Disease: The Multi-Ethnic Study of Atherosclerosis**  
Cheng, J., Hoofnagle, A. N., Katz, R., Hsu, S., Kado, D. M., Budoff, M. J., Kestenbaum, B. R., Michos, E. D., Miller, L. M., Ix, J. H., de Boer, I. H., Ginsberg, C.  
AMER SOC NEPHROLOGY.2023: 636
- **The Vitamin D Metabolite Ratio is Associated with Volumetric Bone Density in Older Men. *The Journal of clinical endocrinology and metabolism***  
Ginsberg, C., Blackwell, T., Cheng, J. H., Potok, O. A., Cauley, J. A., Ensrud, K., Hsu, S., Kado, D. M., Orwoll, E., Cawthon, P. M., Ix, J. H.  
2023
- **A two-cohort study on the association between the gut microbiota and bone density, microarchitecture, and strength. *Frontiers in endocrinology***  
Okoro, P. C., Orwoll, E. S., Huttenhower, C., Morgan, X., Kuntz, T. M., McIver, L. J., Dufour, A. B., Bouxsein, M. L., Langsetmo, L., Farsijani, S., Kado, D. M., Pacifici, R., Sahni, et al  
2023; 14: 1237727
- **Breaking Up Sedentary Time Reduces Recurrent Fall Risk, but Not Incident Fracture Risk in Older Men *JBMR PLUS***  
Roe, L. S., Harrison, S., Cawthon, P. M., Ensrud, K., Gabriel, K., Kado, D. M., Cauley, J. A., Osteoporotic Fractures Men MrOS S  
2023
- **Advantages and Disadvantages of Random Forest Models for Prediction of Hip Fracture Risk Versus Mortality Risk in the Oldest Old. *JBMR plus***  
Langsetmo, L., Schousboe, J. T., Taylor, B. C., Cauley, J. A., Fink, H. A., Cawthon, P. M., Kado, D. M., Ensrud, K. E.  
2023; 7 (8): e10757
- **Advantages and Disadvantages of Random Forest Models for Prediction of Hip Fracture Risk Versus Mortality Risk in the Oldest Old *JBMR PLUS***  
Langsetmo, L. T., Schousboe, J. C., Taylor, B. A., Cauley, J. A., Fink, H. M., Cawthon, P. M., Kado, D. E., Ensrud, K., Osteoporotic Fractures Men  
2023
- **The Association of Intensive Blood Pressure Treatment and Non-Fatal Cardiovascular or Serious Adverse Events in Older Adults with Mortality: Mediation Analysis in SPRINT. *European journal of preventive cardiology***  
Krishnaswami, A., Rich, M. W., Kwak, M. J., Goyal, P., Forman, D. E., Damluji, A. A., Solomon, M., Rana, J. S., Kado, D. M., Odden, M. C.  
2023
- **Associations of Lean Mass, Muscular Strength, and Physical Function with Trabecular Bone Score in Older Adults. *Journal of clinical densitometry : the official journal of the International Society for Clinical Densitometry***  
Seaton, M. P., Nichols, J. F., Rauh, M. J., Kado, D. M., Wetherell, J. L., Lenze, E. J., Wing, D.  
2023: 101370
- **CAN MUSCLE MASS EXPLAIN THE RELATIONSHIP BETWEEN EGFRDIFF (=EGFRCYSEGFRCR) AND FRAILITY IN OLDER MEN?**  
Yuan, J. H., Rifkin, D. E., Ginsberg, C., Cawthon, P., Kado, D. M., Bauer, S. R., Ensrud, K., Hoffman, A., Potok, O.  
W B SAUNDERS CO-ELSEVIER INC.2023: S127
- **Vitamin D Metabolite Ratio and Coronary Artery Calcification in the Multi-Ethnic Study of Atherosclerosis. *Circulation. Cardiovascular imaging***  
Ginsberg, C., Hoofnagle, A. N., Katz, R., Cheng, J. H., Hsu, S., Budoff, M. J., Kado, D. M., Kestenbaum, B., Siscovick, D. S., Michos, E. D., Ix, J. H., de Boer, I. H.  
2023; 16 (3): e015055

- **FSH, BMAT Composition, and Longitudinal Changes in BMAT in Older Adults**  
Kim, T., Hue, T., Ewing, S., Li, X., Sigurosson, S., Guonason, V., Velduis-Vlug, A., Kado, D., Vittinghoff, E., Wu, K., Koh, E., Rosen, C., Zaidi, et al  
WILEY.2023: 219
- **Performance of FRAX and Garvan Fracture Risk Assessment Tools in Hip Fracture Prediction in US Adults Aged 80 Year and Older: Findings from the Study of Osteoporotic Fractures (SOF) and Osteoporotic Fractures in Men (MrOS) Study**  
Ensrud, K., Schousboe, J., Fink, H., Leslie, W., Taylor, B., Cawthon, P., Kado, D., Lane, N., Crandall, C., Cauley, J., Langsetmo, L.  
WILEY.2023: 40
- **Balancing Fracture Risk versus Risk of Mortality Before Fracture Among Women Age 80 Years or Older**  
Schousboe, J., Langsetmo, L., Fink, H., Kado, D., Cauley, J., Taylor, B., Ensrud, K.  
WILEY.2023: 79
- **Machine Learning Approach to Prediction of 5-year Fracture Risk vs. 5-year Mortality Risk in Men in Late Life**  
Langsetmo, L., Schousboe, J. T., Taylor, B. C., Cauley, J. A., Fink, H. A., Cawthon, P. M., Stefanick, M. L., Kado, D. M., Ensrud, K. E.  
WILEY.2023: 77-78
- **The Association of Metabolic Syndrome and Obesity With Clinical Hip Osteoarthritis in the Study of Osteoporotic Fractures and the Osteoporotic Fractures in Men Study Cohorts. *ACR open rheumatology***  
Cheng, K. Y., Strotmeyer, E. S., Kado, D. M., Schousboe, J. T., Schenk, S., Nevitt, M., Lane, N. E., Hughes-Austin, J. M.  
2023
- **Association of subjective and objective measures of sleep with gut microbiota composition and diversity in older men: The Osteoporotic Fractures in Men (MrOS) study. *The journals of gerontology. Series A, Biological sciences and medical sciences***  
Estaki, M., Langsetmo, L., Shardell, M., Mischel, A., Jiang, L., Zhong, Y., Kaufmann, C., Knight, R., Stone, K., Kado, D.  
2023
- **THE ASSOCIATION BETWEEN OBJECTIVE MEASURES OF INTERMITTENT SEDENTARY BREAKS WITH RECURRENT FALL RISK IN OLDER MEN**  
Roe, L., Harrison, S., Cawthon, P., Ensrud, K., Gabriel, K., Kado, D., Cauley, J.  
OXFORD UNIV PRESS.2022: 106-107
- **The Vitamin D Metabolite Ratio and Coronary Artery Calcification in the Multi-Ethnic Study of Atherosclerosis**  
Ginsberg, C., Hoofnagle, A. N., Katz, R., Cheng, J., Hsu, S., Budoff, M. J., Kado, D. M., Kestenbaum, B. R., Michos, E. D., Siscovick, D., Ix, J. H., de Boer, I. H.  
AMER SOC NEPHROLOGY.2022: 653
- **Hyperkyphosis and mortality risk in older men: The osteoporotic fractures in men study. *Journal of the American Geriatrics Society***  
Cours, A., Huang, M., Fink, H., Ensrud, K. E., Schousboe, J. T., Katzman, W., Schneider, D., Lane, N. E., Cawthon, P., Kado, D. M.  
2022
- **Associations of 24-hour Light Exposure and Activity Patterns and Risk of Cognitive Impairment and Decline in Older Men: The MrOS Sleep Study. *The journals of gerontology. Series A, Biological sciences and medical sciences***  
Blackwell, T. L., Figueiro, M. G., Tranah, G. J., Zeitzer, J. M., Yaffe, K., Ancoli-Israel, S., Kado, D. M., Ensrud, K. E., Lane, N. E., Leng, Y., Stone, K. L., Osteoporotic Fractures in Men (MrOS) Study Group  
2022
- **Associations Of Lean Mass And Muscular Strength With Trabecular Bone Score In Older Adults**  
Seaton, M., Wing, D., Shen, J., Rauh, M. J., Kado, D., Godino, J. G., Nichols, J. F.  
LIPPINCOTT WILLIAMS & WILKINS.2022: 37
- **Characteristics Associated with 5-year Fracture Risk vs. 5-year Mortality Risk Among Late-life Men. *The journals of gerontology. Series A, Biological sciences and medical sciences***  
Langsetmo, L., Schousboe, J. T., Taylor, B. C., Cauley, J. A., Fink, H. A., Cawthon, P. M., Stefanick, M. L., Kado, D. M., Kats, A. M., Ensrud, K. E., Osteoporotic Fractures in Men (MrOS) Research Group  
2022
- **Lower Leg Power and Grip Strength are Associated with Increased Fall Injury Risk in Older Men: the Osteoporotic Fractures in Men (MrOS) Study. *The journals of gerontology. Series A, Biological sciences and medical sciences***  
Winger, M. E., Caserotti, P., Cauley, J. A., Boudreau, R. M., Piva, S. R., Cawthon, P. M., Orwoll, E. S., Ensrud, K. E., Kado, D. M., Strotmeyer, E. S., Osteoporotic Fractures in Men (MrOS) Research Group

2022

- **Slower upper extremity function in older adults with hyperkyphosis negatively impacts the 6-min walk test.** *BMC musculoskeletal disorders*  
Fukuoka, Y., Katzman, W. B., Gladin, A., Lane, N. E., Kado, D. M., Oh, Y. J.  
2022; 23 (1): 505
- **Repeat Bone Mineral Density Screening Measurement and Fracture Prediction in Older Men: A Prospective Cohort Study.** *The Journal of clinical endocrinology and metabolism*  
Ensrud, K. E., Lui, L., Crandall, C. J., Orwoll, E. S., Langsetmo, L., Schousboe, J. T., Fink, H. A., Lane, N. E., Kado, D. M., Cauley, J. A., Stefanick, M. L., Cawthon, P. M.  
2022
- **Deep Learning Classification of Spinal Osteoporotic Compression Fractures on Radiographs using an Adaptation of the Genant Semiquantitative Criteria.** *Academic radiology*  
Dong, Q., Luo, G., Lane, N. E., Lui, L., Marshall, L. M., Kado, D. M., Cawthon, P., Perry, J., Johnston, S. K., Haynor, D., Jarvik, J. G., Cross, N. M.  
2022
- **Strong discordance in factors associated with 5-year risk of fracture vs. 5-year risk of mortality among men aged 80 and older: findings from the Osteoporotic Fractures in Men [MrOS] study**  
Langsetmo, L., Schousboe, J. T., Taylor, B. C., Cauley, J. A., Fink, H. A., Cawthon, P. M., Stefanick, M. L., Kado, D. M., Kats, A. M., Ensrud, K. E.  
WILEY.2022: 343-344
- **Assessment of Semiquantitative Spinal Deformity Index May Improve Fracture Prediction Among Older Men with Prevalent Vertebral Fracture**  
Schousboe, J., Langsetmo, L., Kats, A., Kado, D., Lane, N., Taylor, B., Ensrud, K.  
WILEY.2022: 139
- **Repeat Bone Mineral Density Measurement and Fracture Prediction in Older Men: Findings from the Osteoporotic Fractures in Men (MrOS) Study**  
Ensrud, K., Lui, L., Crandall, C., Orwoll, E., Langsetmo, L., Schousboe, J., Fink, H., Lane, N., Kado, D., Cauley, J., Cawthon, P.  
WILEY.2022: 184
- **Saturated and Unsaturated Bone Marrow Lipids Have Distinct Effects on Bone Density and Fracture Risk in Older Adults.** *Journal of bone and mineral research : the official journal of the American Society for Bone and Mineral Research*  
Woods, G. N., Ewing, S. K., Schafer, A. L., Gudnason, V., Sigurdsson, S., Lang, T., Hue, T. F., Kado, D. M., Vittinghoff, E., Rosen, C., Li, X., Schwartz, A. V.  
1800
- **Follicle-stimulating hormone level and changes in bone mass and body composition in older women and men.** *The Journal of clinical endocrinology and metabolism*  
Wu, K. C., Ewing, S. K., Li, X., Sigurdsson, S., Gudnason, V., Kado, D. M., Hue, T. F., Woods, G. N., Veldhuis-Vlug, A. G., Vittinghoff, E., Zaidi, M., Rosen, C. J., Lang, et al  
2021
- **Hepatic Steatosis is Negatively Associated with Bone Mineral Density in Children** *JOURNAL OF PEDIATRICS*  
Chun, L. F., Yu, E. L., Sawh, M., Bross, C., Nichols, J., Polgreen, L., Knott, C., Schlein, A., Sirlin, C. B., Middleton, M. S., Kado, D. M., Schwimmer, J. B.  
2021; 233: 105-+
- **Quantifying the Effects of Aging on Morphological and Cellular Properties of Human Female Pelvic Floor Muscles** *ANNALS OF BIOMEDICAL ENGINEERING*  
Rieger, M., Duran, P., Cook, M., Schenk, S., Shah, M., Jacobs, M., Christman, K., Kado, D. M., Alperin, M.  
2021
- **Gut microbiome pattern reflects healthy ageing and predicts survival in humans** *NATURE METABOLISM*  
Wilmanski, T., Diener, C., Rappaport, N., Patwardhan, S., Wiedrick, J., Lapidus, J., Earls, J. C., Zimmer, A., Glusman, G., Robinson, M., Yurkovich, J. T., Kado, D. M., Cauley, et al  
2021; 3 (2): 274-+
- **Serum FSH Is Associated With BMD, Bone Marrow Adiposity, and Body Composition in the AGES-Reykjavik Study of Older Adults.** *The Journal of clinical endocrinology and metabolism*

Veldhuis-Vlug, A. G., Woods, G. N., Sigurdsson, S., Ewing, S. K., Le, P. T., Hue, T. F., Vittinghoff, E., Xu, K., Gudnason, V., Sigurdsson, G., Kado, D. M., Eiriksdottir, G., Harris, et al  
2021; 106 (3): e1156-e1169

- **Association Between Variation in Red Cell Size and Multiple Aging-Related Outcomes.** *The journals of gerontology. Series A, Biological sciences and medical sciences*  
Kim, K. M., Lui, L. Y., Browner, W. S., Cauley, J. A., Ensrud, K. E., Kado, D. M., Orwoll, E. S., Schousboe, J. T., Cummings, S. R.  
2021; 76 (7): 1288-1294
- **Individual and joint trajectories of change in bone, lean mass and physical performance in older men.** *BMC geriatrics*  
Cawthon, P. M., Parimi, N., Langsetmo, L., Cauley, J. A., Ensrud, K. E., Cummings, S. R., Lane, N. E., Hoffman, A. R., Lapidus, J., Gill, T. M., McCulloch, C. E., Stefanick, M. L., Kado, et al  
2020; 20 (1): 161
- **Vitamin D metabolites and the gut microbiome in older men.** *Nature communications*  
Thomas, R. L., Jiang, L., Adams, J. S., Xu, Z. Z., Shen, J., Janssen, S., Ackermann, G., Vanderschueren, D., Pauwels, S., Knight, R., Orwoll, E. S., Kado, D. M.  
2020; 11 (1): 5997
- **Greater Bone Marrow Adiposity Predicts Bone Loss in Older Women.** *Journal of bone and mineral research : the official journal of the American Society for Bone and Mineral Research*  
Woods, G. N., Ewing, S. K., Sigurdsson, S., Kado, D. M., Eiriksdottir, G., Gudnason, V., Hue, T. F., Lang, T. F., Vittinghoff, E., Harris, T. B., Rosen, C., Xu, K., Li, et al  
2020; 35 (2): 326-332
- **Age-associated changes in the mechanical properties of human cadaveric pelvic floor muscles.** *Journal of biomechanics*  
Burnett, L. A., Cook, M., Shah, S., Michelle Wong, M., Kado, D. M., Alperin, M.  
2020; 98: 109436
- **Response to: Some Questions About the Article "The Efficacy and Safety of Vertebral Augmentation: A Second ASBMR Task Force Report".** *Journal of bone and mineral research : the official journal of the American Society for Bone and Mineral Research*  
Buchbinder, R., Ebeling, P. R., Akesson, K., Bauer, D. C., Eastell, R., Fink, H. A., Giangregorio, L., Guanabens, N., Kado, D., Kallmes, D., Katzman, W., Rodriguez, A., Wermers, et al  
2020; 35 (1): 212-213
- **Associations between novel jump test measures, grip strength, and physical performance: the Osteoporotic Fractures in Men (MrOS) Study.** *Aging clinical and experimental research*  
Winger, M. E., Caserotti, P., Cauley, J. A., Boudreau, R. M., Piva, S. R., Cawthon, P. M., Harris, T. B., Barrett-Connor, E., Fink, H. A., Kado, D. M., Strotmeyer, E. S.  
2020; 32 (4): 587-595
- **Comparing Analytical Methods for the Gut Microbiome and Aging: Gut Microbial Communities and Body Weight in the Osteoporotic Fractures in Men (MrOS) Study.** *The journals of gerontology. Series A, Biological sciences and medical sciences*  
Shardell, M., Parimi, N., Langsetmo, L., Tanaka, T., Jiang, L., Orwoll, E., Shikany, J. M., Kado, D. M., Cawthon, P. M.  
2020; 75 (7): 1267-1275
- **Kyphosis and 3-year fall risk in community-dwelling older men.** *Osteoporosis international : a journal established as result of cooperation between the European Foundation for Osteoporosis and the National Osteoporosis Foundation of the USA*  
McDaniels-Davidson, C., Nichols, J. F., Vaida, F., Marshall, L. M., Kado, D. M.  
2020; 31 (6): 1097-1104
- **Hyperkyphosis and self-reported and objectively measured sleep quality in older men.** *PloS one*  
Kaufmann, C. N., Shen, J., Woods, G. N., Lane, N. E., Stone, K. L., Kado, D. M.  
2020; 15 (2): e0228638
- **Factors Associated With Kyphosis and Kyphosis Progression in Older Men: The MrOS Study.** *Journal of bone and mineral research : the official journal of the American Society for Bone and Mineral Research*  
Woods, G. N., Huang, M. H., Lee, J. H., Cawthon, P. M., Fink, H. A., Schousboe, J. T., Kado, D. M.  
2020; 35 (11): 2193-2198
- **Handwashing and Detergent Treatment Greatly Reduce SARS-CoV-2 Viral Load on Halloween Candy Handled by COVID-19 Patients.** *mSystems*

- Salido, R. A., Morgan, S. C., Rojas, M. I., Magallanes, C. G., Marotz, C., DeHoff, P., Belda-Ferre, P., Aigner, S., Kado, D. M., Yeo, G. W., Gilbert, J. A., Laurent, L., Rohwer, et al  
2020; 5 (6)
- **Association of dietary patterns with the gut microbiota in older, community-dwelling men.** *The American journal of clinical nutrition*  
Shikany, J. M., Demmer, R. T., Johnson, A. J., Fino, N. F., Meyer, K., Ensrud, K. E., Lane, N. E., Orwoll, E. S., Kado, D. M., Zmuda, J. M., Langsetmo, L.  
2019; 110 (4): 1003-1014
  - **Breast cancer treatment and its effects on aging.** *Journal of geriatric oncology*  
Chang, L., Weiner, L. S., Hartman, S. J., Horvath, S., Jeste, D., Mischel, P. S., Kado, D. M.  
2019; 10 (2): 346-355
  - **Temporal stability of urinary cadmium in samples collected several years apart in a population of older persons.** *International journal of hygiene and environmental health*  
Meliker, J. R., Vacchi-Suzzi, C., Harrington, J., Levine, K., Lui, L. Y., Bauer, D. C., Orwoll, E., Kado, D. M.  
2019; 222 (2): 230-234
  - **The Efficacy and Safety of Vertebral Augmentation: A Second ASBMR Task Force Report.** *Journal of bone and mineral research : the official journal of the American Society for Bone and Mineral Research*  
Ebeling, P. R., Akesson, K., Bauer, D. C., Buchbinder, R., Eastell, R., Fink, H. A., Giangregorio, L., Guanabens, N., Kado, D., Kallmes, D., Katzman, W., Rodriguez, A., Wermers, et al  
2019; 34 (1): 3-21
  - **Correlates of T50 and relationships with bone mineral density in community-living older men: the osteoporotic fractures in men (MrOS) study.** *Osteoporosis international : a journal established as result of cooperation between the European Foundation for Osteoporosis and the National Osteoporosis Foundation of the USA*  
Bullen, A. L., Anderson, C. A., Hooker, E. R., Kado, D. M., Orwoll, E., Pasch, A., Ix, J. H.  
2019
  - **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.** *The journals of gerontology. Series A, Biological sciences and medical sciences*  
Cawthon, P. M., Orwoll, E. S., Peters, K. E., Ensrud, K. E., Cauley, J. A., Kado, D. M., Stefanick, M. L., Shikany, J. M., Strotmeyer, E. S., Glynn, N. W., Caserotti, P. n., Shankaran, M. n., Hellerstein, et al  
2018
  - **Kyphosis and incident falls among community-dwelling older adults.** *Osteoporosis international : a journal established as result of cooperation between the European Foundation for Osteoporosis and the National Osteoporosis Foundation of the USA*  
McDaniels-Davidson, C., Davis, A., Wing, D., Macera, C., Lindsay, S. P., Schousboe, J. T., Nichols, J. F., Kado, D. M.  
2018; 29 (1): 163-169
  - **Which Sleep Health Characteristics Predict All-Cause Mortality in Older Men? An Application of Flexible Multivariable Approaches.** *Sleep*  
Wallace, M. L., Stone, K., Smagula, S. F., Hall, M. H., Simsek, B., Kado, D. M., Redline, S., Vo, T. N., Buysse, D. J.  
2018; 41 (1)
  - **Sex hormones are negatively associated with vertebral bone marrow fat.** *Bone*  
Mistry, S. D., Woods, G. N., Sigurdsson, S., Ewing, S. K., Hue, T. F., Eiriksdottir, G., Xu, K., Hilton, J. F., Kado, D. M., Gudnason, V., Harris, T. B., Rosen, C. J., Lang, et al  
2018; 108: 20-24
  - **Associations of recent weight loss with health care costs and utilization among older women.** *PloS one*  
Schousboe, J. T., Kats, A. M., Langsetmo, L., Taylor, B. C., Vo, T. N., Kado, D. M., Fink, H. A., Ensrud, K. E.  
2018; 13 (1): e0191642
  - **Patterns of menopausal hormone therapy use and hyperkyphosis in older women.** *Menopause (New York, N.Y.)*  
Woods, G. N., Huang, M. H., Cawthon, P. M., McDaniels-Davidson, C., Fink, H. A., Kado, D. M.  
2018; 25 (7): 738-743
  - **Phylogenetic Placement of Exact Amplicon Sequences Improves Associations with Clinical Information.** *mSystems*  
Janssen, S., McDonald, D., Gonzalez, A., Navas-Molina, J. A., Jiang, L., Xu, Z. Z., Winker, K., Kado, D. M., Orwoll, E., Manary, M., Mirarab, S., Knight, R.

2018; 3 (3)

- **Chronic Kidney Disease Is Associated With Greater Bone Marrow Adiposity.** *Journal of bone and mineral research : the official journal of the American Society for Bone and Mineral Research*  
Woods, G. N., Ewing, S. K., Sigurdsson, S., Kado, D. M., Ix, J. H., Hue, T. F., Eiriksdottir, G., Xu, K., Gudnason, V., Lang, T. F., Vittinghoff, E., Harris, T. B., Rosen, et al  
2018; 33 (12): 2158-2164
- **The relationships between physical performance, activity levels and falls in older men.** *The journals of gerontology. Series A, Biological sciences and medical sciences*  
Orwoll, E. S., Fino, N. F., Gill, T. M., Cauley, J. A., Strotmeyer, E. S., Ensrud, K. E., Kado, D. M., Barrett-Connor, E., Bauer, D. C., Cawthon, P. M., Lapidus, J.  
2018
- **Metabolic Syndrome Does Not Modify the Association between Obesity and Hip Osteoarthritis**  
Cheng, K., Ball, S., Schenk, S., Strotmeyer, E., Schousboe, J., Stefanick, M., Barrett-Connor, E., Kado, D., Nevitt, M., Lane, N. E., Orwoll, E., Hughes-Austin, J. M.  
WILEY.2017
- **Impact of Competing Risk of Mortality on Association of Weight Loss With Risk of Central Body Fractures in Older Men: A Prospective Cohort Study** *JOURNAL OF BONE AND MINERAL RESEARCH*  
Ensrud, K. E., Harrison, S. L., Cauley, J. A., Langsetmo, L., Schousboe, J. T., Kado, D. M., Gourlay, M. L., Lyons, J. G., Fredman, L., Napoli, N., Crandall, C. J., Lewis, C. E., Orwoll, et al  
2017; 32 (3): 624-632
- **Bone Loss at the Hip and Subsequent Mortality in Older Men: The Osteoporotic Fractures in Men (MrOS) Study.** *JBMR plus*  
Cawthon, P. M., Patel, S. n., Ewing, S. K., Lui, L. Y., Cauley, J. A., Lyons, J. G., Fredman, L. n., Kado, D. M., Hoffman, A. R., Lane, N. E., Ensrud, K. E., Cummings, S. R., Orwoll, et al  
2017; 1 (1): 31-35
- **Cross-Sectional and Longitudinal Associations of Diffuse Idiopathic Skeletal Hyperostosis and Thoracic Kyphosis in Older Men and Women.** *Arthritis care & research*  
Katzman, W. B., Parimi, N., Mansoori, Z., Nardo, L., Kado, D. M., Cawthon, P. M., Marshall, L. M., Schousboe, J. T., Lane, N. E.  
2017; 69 (8): 1245-1252
- **A Prospective Study of Back Pain and Risk of Falls Among Older Community-dwelling Men.** *The journals of gerontology. Series A, Biological sciences and medical sciences*  
Marshall, L. M., Litwack-Harrison, S., Makris, U. E., Kado, D. M., Cawthon, P. M., Deyo, R. A., Carlson, N. L., Nevitt, M. C.  
2017; 72 (9): 1264-1269
- **Trunk lean mass and its association with 4 different measures of thoracic kyphosis in older community dwelling persons.** *PLoS one*  
Yamamoto, J., Bergstrom, J., Davis, A., Wing, D., Schousboe, J. T., Nichols, J. F., Kado, D. M.  
2017; 12 (4): e0174710
- **Diffuse Idiopathic Skeletal Hyperostosis (DISH) and Impaired Physical Function: The Rancho Bernardo Study.** *Journal of the American Geriatrics Society*  
Katzman, W. B., Huang, M. H., Kritz-Silverstein, D., Barrett-Connor, E., Kado, D. M.  
2017; 65 (7): 1476-1481
- **Targeted spine strengthening exercise and posture training program to reduce hyperkyphosis in older adults: results from the study of hyperkyphosis, exercise, and function (SHEAF) randomized controlled trial.** *Osteoporosis international : a journal established as result of cooperation between the European Foundation for Osteoporosis and the National Osteoporosis Foundation of the USA*  
Katzman, W. B., Vittinghoff, E., Lin, F., Schafer, A., Long, R. K., Wong, S., Gladin, A., Fan, B., Allaire, B., Kado, D. M., Lane, N. E.  
2017; 28 (10): 2831-2841
- **Association of Incident, Clinically Undiagnosed Radiographic Vertebral Fractures With Follow-Up Back Pain Symptoms in Older Men: the Osteoporotic Fractures in Men (MrOS) Study.** *Journal of bone and mineral research : the official journal of the American Society for Bone and Mineral Research*  
Fink, H. A., Litwack-Harrison, S., Ensrud, K. E., Shen, J., Schousboe, J. T., Cawthon, P. M., Cauley, J. A., Lane, N. E., Taylor, B. C., Barrett-Connor, E., Kado, D. M., Cummings, S. R., Marshall, et al  
2017; 32 (11): 2263-2268

- **Comparison of fracture risk assessment tools in older men without prior hip or spine fracture: the MrOS study.** *Archives of osteoporosis*  
Gourlay, M. L., Ritter, V. S., Fine, J. P., Overman, R. A., Schousboe, J. T., Cawthon, P. M., Orwoll, E. S., Nguyen, T. V., Lane, N. E., Cummings, S. R., Kado, D. M., Lapidus, J. A., Diem, et al  
2017; 12 (1): 91
- **Effect of Combination Folic Acid, Vitamin B6 , and Vitamin B12 Supplementation on Fracture Risk in Women: A Randomized, Controlled Trial.** *Journal of bone and mineral research : the official journal of the American Society for Bone and Mineral Research*  
Stone, K. L., Lui, L. Y., Christen, W. G., Troen, A. M., Bauer, D. C., Kado, D., Schambach, C., Cummings, S. R., Manson, J. E.  
2017; 32 (12): 2331-2338
- **Impact of Competing Risk of Mortality on Association of Weight Loss with Risk of Central Body Fractures in Older Men: A Prospective Cohort Study.** *Journal of bone and mineral research*  
Ensrud, K. E., Harrison, S. L., Cauley, J. A., Langsetmo, L., Schousboe, J. T., Kado, D. M., Gourlay, M. L., Lyons, J. G., Fredman, L., Napoli, N., Crandall, C. J., Lewis, C. E., Orwoll, et al  
2016
- **Risk Factors for Hip Fracture in Older Men: The Osteoporotic Fractures in Men Study (MrOS).** *Journal of bone and mineral research*  
Cauley, J. A., Cawthon, P. M., Peters, K. E., Cummings, S. R., Ensrud, K. E., Bauer, D. C., Taylor, B. C., Shikany, J. M., Hoffman, A. R., Lane, N. E., Kado, D. M., Stefanick, M. L., Orwoll, et al  
2016; 31 (10): 1810-1819
- **Sex hormones, sex hormone binding globulin, and vertebral fractures in older men** *BONE*  
Cawthon, P. M., Schousboe, J. T., Harrison, S. L., Ensrud, K. E., Black, D., Cauley, J. A., Cummings, S. R., LeBlanc, E. S., Laughlin, G. A., Nielson, C. M., Broughton, A., Kado, D. M., Hoffman, et al  
2016; 84: 271-278
- **The association between bone turnover markers and kyphosis in community-dwelling older adults.** *Bone reports*  
McDaniels-Davidson, C. R., Kritz-Silverstein, D., Huang, M. H., Laughlin, G. A., Johnson, S., Haapalahti, J., Schneider, D. L., Barrett-Connor, E., Kado, D. M.  
2016; 5: 57-61
- **Degree of Trauma Differs for Major Osteoporotic Fracture Events in Older Men Versus Older Women.** *Journal of bone and mineral research : the official journal of the American Society for Bone and Mineral Research*  
Ensrud, K. E., Blackwell, T. L., Cawthon, P. M., Bauer, D. C., Fink, H. A., Schousboe, J. T., Black, D. M., Orwoll, E. S., Kado, D. M., Cauley, J. A., Mackey, D. C.  
2016; 31 (1): 204-7
- **Study of Hyperkyphosis, Exercise and Function (SHEAF) Protocol of a Randomized Controlled Trial of Multimodal Spine-Strengthening Exercise in Older Adults With Hyperkyphosis.** *Physical therapy*  
Katzman, W. B., Vittinghoff, E., Kado, D. M., Schafer, A. L., Wong, S. S., Gladin, A., Lane, N. E.  
2016; 96 (3): 371-81
- **Clinical utility of routine laboratory testing to identify possible secondary causes in older men with osteoporosis: the Osteoporotic Fractures in Men (MrOS) Study.** *Osteoporosis international : a journal established as result of cooperation between the European Foundation for Osteoporosis and the National Osteoporosis Foundation of the USA*  
Fink, H. A., Litwack-Harrison, S., Taylor, B. C., Bauer, D. C., Orwoll, E. S., Lee, C. G., Barrett-Connor, E., Schousboe, J. T., Kado, D. M., Garimella, P. S., Ensrud, K. E.  
2016; 27 (1): 331-8
- **Correlations among four measures of thoracic kyphosis in older adults.** *Osteoporosis international : a journal established as result of cooperation between the European Foundation for Osteoporosis and the National Osteoporosis Foundation of the USA*  
Tran, T. H., Wing, D., Davis, A., Bergstrom, J., Schousboe, J. T., Nichols, J. F., Kado, D. M.  
2016; 27 (3): 1255-1259
- **A Prospective Study of Back Pain and Risk of Falls Among Older Community-dwelling Women.** *The journals of gerontology. Series A, Biological sciences and medical sciences*  
Marshall, L. M., Litwack-Harrison, S., Cawthon, P. M., Kado, D. M., Deyo, R. A., Makris, U. E., Carlson, H. L., Nevitt, M. C.  
2016; 71 (9): 1177-83
- **Thoracic kyphosis and rate of incident vertebral fractures: the Fracture Intervention Trial.** *Osteoporosis international : a journal established as result of cooperation between the European Foundation for Osteoporosis and the National Osteoporosis Foundation of the USA*  
Katzman, W. B., Vittinghoff, E., Kado, D. M., Lane, N. E., Ensrud, K. E., Shipp, K.

2016; 27 (3): 899-903

- **Time to Osteoporosis and Major Fracture in Older Men: The MrOS Study.** *American journal of preventive medicine*  
Gourlay, M. L., Overman, R. A., Fine, J. P., Filteau, G., Cawthon, P. M., Schousboe, J. T., Orwoll, E. S., Wilt, T. J., Nguyen, T. V., Lane, N. E., Szulc, P., Taylor, B. C., Dam, et al  
2016; 50 (6): 727-736
- **What Proportion of Incident Radiographic Vertebral Fractures in Older Men Is Clinically Diagnosed and Vice Versa: A Prospective Study.** *Journal of bone and mineral research : the official journal of the American Society for Bone and Mineral Research*  
Ensrud, K. E., Blackwell, T. L., Fink, H. A., Zhang, J., Cauley, J. A., Cawthon, P. M., Black, D. M., Bauer, D. C., Curtis, J. R., Orwoll, E. S., Barrett-Connor, E., Kado, D. M., Marshall, et al  
2016; 31 (8): 1500-3
- **SHBG, Sex Steroids, and Kyphosis in Older Men: The MrOS Study.** *Journal of bone and mineral research : the official journal of the American Society for Bone and Mineral Research*  
Woods, G. N., Huang, M. H., Cawthon, P. M., Laughlin, G. A., Schousboe, J. T., McDaniels-Davidson, C., Cauley, J. A., Orwoll, E., Barrett-Connor, E., Kado, D. M.  
2016; 31 (12): 2123-2128
- **Evaluation of the Usefulness of Consensus Definitions of Sarcopenia in Older Men: Results from the Observational Osteoporotic Fractures in Men Cohort Study** *JOURNAL OF THE AMERICAN GERIATRICS SOCIETY*  
Cawthon, P. M., Blackwell, T. L., Cauley, J., Kado, D. M., Barrett-Connor, E., Lee, C. G., Hoffman, A. R., Nevitt, M., Stefanick, M. L., Lane, N. E., Ensrud, K. E., Cummings, S. R., Orwoll, et al  
2015; 63 (11): 2247-2259
- **Risk of Nonspine Fractures in Older Adults with Sarcopenia, Low Bone Mass, or Both** *JOURNAL OF THE AMERICAN GERIATRICS SOCIETY*  
Chalhoub, D., Cawthon, P. M., Ensrud, K. E., Stefanick, M. L., Kado, D. M., Boudreau, R., Greenspan, S., Newman, A. B., Zmuda, J., Orwoll, E. S., Cauley, J. A.  
2015; 63 (9): 1733-1740
- **Spatial Cognition in Adult and Aged Mice Exposed to High-Fat Diet.** *PLoS one*  
Kesby, J. P., Kim, J. J., Scadeng, M., Woods, G., Kado, D. M., Olefsky, J. M., Jeste, D. V., Achim, C. L., Semenova, S.  
2015; 10 (10): e0140034
- **Physical function in older men with hyperkyphosis.** *The journals of gerontology. Series A, Biological sciences and medical sciences*  
Katzman, W. B., Harrison, S. L., Fink, H. A., Marshall, L. M., Orwoll, E., Barrett-Connor, E., Cawthon, P. M., Kado, D. M.  
2015; 70 (5): 635-40
- **Kyphosis and Sleep Characteristics in Older Persons: The Rancho Bernardo Study.** *Journal of sleep disorders and management*  
Wankie, C., Kritz-Silverstein, D., Barrett-Connor, E., Kado, D. M.  
2015; 1 (1)
- **Risk factors for hip fracture in older men: The Osteoporotic Fractures in Men Study (MrOS).**  
Cauley, J., Cawthon, P., Peters, K., Cummings, S., Ensrud, K., Bauer, D., Taylor, B., Shikany, J. M., Hoffman, A., Lane, N., Kado, D., Orwoll, E.  
WILEY-BLACKWELL.2014: S452
- **Hyperkyphosis, kyphosis progression, and risk of non-spine fractures in older community dwelling women: the study of osteoporotic fractures (SOF).** *Journal of bone and mineral research : the official journal of the American Society for Bone and Mineral Research*  
Kado, D. M., Miller-Martinez, D., Lui, L. Y., Cawthon, P., Katzman, W. B., Hillier, T. A., Fink, H. A., Ensrud, K. E.  
2014; 29 (10): 2210-6
- **Kyphosis and paraspinal muscle composition in older men: a cross-sectional study for the Osteoporotic Fractures in Men (MrOS) research group.** *BMC musculoskeletal disorders*  
Katzman, W. B., Miller-Martinez, D., Marshall, L. M., Lane, N. E., Kado, D. M.  
2014; 15: 19
- **Prediction models of prevalent radiographic vertebral fractures among older women.** *Journal of clinical densitometry : the official journal of the International Society for Clinical Densitometry*  
Schousboe, J. T., Rosen, H. R., Vokes, T. J., Cauley, J. A., Cummings, S. R., Nevitt, M., Black, D. M., Orwoll, E. S., Kado, D. M., Ensrud, K. E.  
2014; 17 (3): 378-85

- **Prevalent Vertebral Fractures Predict Risk of Vertebral and Non-Vertebral Fractures in Older Men: the MrOS Study**  
Black, D., Peters, K., Cawthon, P., Cauley, J., Cummings, S., Orwoll, E., Ensrud, K., Fink, H., Marshall, L., Parimi, N., Kado, D., Stefanick, M., Schousboe, et al  
WILEY-BLACKWELL.2013
- **Sex Steroid Hormones and Kyphosis in Older Men: The Osteoporotic Fractures in Men (MrOS) Study**  
Kado, D., Huang, M., McDaniels-Davidson, C., Laughlin, G., Cauley, J., Orwoll, E., Lane, N., Stefanick, M., Barrett-Connor, E., Cawthon, P.  
WILEY-BLACKWELL.2013
- **Risk of Non-spine Fractures Among Men and Women with Sarcopenia, Low Bone Mass or Both**  
Chalhoub, D., Cawthon, P., Ensrud, K., Stefanick, M., Kado, D., Orwoll, E., Cauley, J.  
WILEY-BLACKWELL.2013
- **Prediction models of prevalent radiographic vertebral fractures among older men.** *Journal of clinical densitometry : the official journal of the International Society for Clinical Densitometry*  
Schousboe, J. T., Rosen, H. R., Vokes, T. J., Cauley, J. A., Cummings, S. R., Nevitt, M. C., Black, D. M., Orwoll, E. S., Kado, D. M., Ensrud, K. E.  
2013; 17 (4): 449-57
- **Association of serum fibroblast growth factor 23 (FGF23) and incident fractures in older men: the Osteoporotic Fractures in Men (MrOS) study.** *Journal of bone and mineral research : the official journal of the American Society for Bone and Mineral Research*  
Lane, N. E., Parimi, N., Corr, M., Yao, W., Cauley, J. A., Nielson, C. M., Ix, J. H., Kado, D., Orwoll, E.  
2013; 28 (11): 2325-32
- **Kyphosis and decline in physical function over 15 years in older community-dwelling women: the Study of Osteoporotic Fractures.** *The journals of gerontology. Series A, Biological sciences and medical sciences*  
Katzman, W. B., Huang, M. H., Lane, N. E., Ensrud, K. E., Kado, D. M.  
2013; 68 (8): 976-83
- **Factors associated with kyphosis progression in older women: 15 years' experience in the study of osteoporotic fractures.** *Journal of bone and mineral research : the official journal of the American Society for Bone and Mineral Research*  
Kado, D. M., Huang, M. H., Karlamangla, A. S., Cawthon, P., Katzman, W., Hillier, T. A., Ensrud, K., Cummings, S. R.  
2013; 28 (1): 179-87
- **Active Referral Intervention following Fragility Fractures Leads to Enhanced Osteoporosis Follow-Up Care.** *Journal of osteoporosis*  
Sugi, M. T., Sheridan, K., Lewis, L., Huang, M. H., Nattiv, A., Kado, D. M., Bengs, B.  
2012; 2012: 234381
- **Height loss in older women: risk of hip fracture and mortality independent of vertebral fractures.** *Journal of bone and mineral research : the official journal of the American Society for Bone and Mineral Research*  
Hillier, T. A., Lui, L. Y., Kado, D. M., LeBlanc, E. S., Vesco, K. K., Bauer, D. C., Cauley, J. A., Ensrud, K. E., Black, D. M., Hochberg, M. C., Cummings, S. R.  
2012; 27 (1): 153-9
- **Association of spinal muscle composition and prevalence of hyperkyphosis in healthy community-dwelling older men and women.** *The journals of gerontology. Series A, Biological sciences and medical sciences*  
Katzman, W., Cawthon, P., Hicks, G. E., Vittinghoff, E., Shepherd, J., Cauley, J. A., Harris, T., Simonsick, E. M., Strotmeyer, E., Womack, C., Kado, D. M.  
2012; 67 (2): 191-5
- **Diffuse idiopathic skeletal hyperostosis and its relation to back pain among older men: the MrOS Study.** *Seminars in arthritis and rheumatism*  
Holton, K. F., Denard, P. J., Yoo, J. U., Kado, D. M., Barrett-Connor, E., Marshall, L. M.  
2011; 41 (2): 131-8
- **Age-related hyperkyphosis, independent of spinal osteoporosis, is associated with impaired mobility in older community-dwelling women.** *Osteoporosis international : a journal established as result of cooperation between the European Foundation for Osteoporosis and the National Osteoporosis Foundation of the USA*  
Katzman, W. B., Vittinghoff, E., Kado, D. M.  
2011; 22 (1): 85-90
- **Do the effects of APOE-ε4 on cognitive function and decline depend upon vitamin status? MacArthur Studies of Successful Aging.** *The journal of nutrition, health & aging*

- 
- Brown, B., Huang, M. H., Karlamangla, A., Seeman, T., Kado, D.  
2011; 15 (3): 196-201
- **Increasing kyphosis predicts worsening mobility in older community-dwelling women: a prospective cohort study.** *Journal of the American Geriatrics Society*  
Katzman, W. B., Vittinghoff, E., Ensrud, K., Black, D. M., Kado, D. M.  
2011; 59 (1): 96-100
  - **Back pain, neurogenic symptoms, and physical function in relation to spondylolisthesis among elderly men.** *The spine journal : official journal of the North American Spine Society*  
Denard, P. J., Holton, K. F., Miller, J., Fink, H. A., Kado, D. M., Marshall, L. M., Yoo, J. U.  
2010; 10 (10): 865-73
  - **Lumbar spondylolisthesis among elderly men: prevalence, correlates, and progression.** *Spine*  
Denard, P. J., Holton, K. F., Miller, J., Fink, H. A., Kado, D. M., Yoo, J. U., Marshall, L. M.  
2010; 35 (10): 1072-8
  - **The rehabilitation of hyperkyphotic posture in the elderly.** *European journal of physical and rehabilitation medicine*  
Kado, D. M.  
2009; 45 (4): 583-93
  - **Hyperkyphosis predicts mortality independent of vertebral osteoporosis in older women.** *Annals of internal medicine*  
Kado, D. M., Lui, L. Y., Ensrud, K. E., Fink, H. A., Karlamangla, A. S., Cummings, S. R.  
2009; 150 (10): 681-7
  - **Light to moderate alcohol consumption and disability: variable benefits by health status.** *American journal of epidemiology*  
Karlamangla, A. S., Sarkisian, C. A., Kado, D. M., Dedes, H., Liao, D. H., Kim, S., Reuben, D. B., Greendale, G. A., Moore, A. A.  
2009; 169 (1): 96-104
  - **Narrative review: hyperkyphosis in older persons.** *Annals of internal medicine*  
Kado, D. M., Prenovost, K., Crandall, C.  
2007; 147 (5): 330-8
  - **Methylenetetrahydrofolate reductase C677T polymorphism and cognitive function in older women.** *American journal of epidemiology*  
Elkins, J. S., Johnston, S. C., Ziv, E., Kado, D., Cauley, J. A., Yaffe, K.  
2007; 166 (6): 672-8
  - **Hyperkyphotic posture and risk of injurious falls in older persons: the Rancho Bernardo Study.** *The journals of gerontology. Series A, Biological sciences and medical sciences*  
Kado, D. M., Huang, M. H., Nguyen, C. B., Barrett-Connor, E., Greendale, G. A.  
2007; 62 (6): 652-7
  - **Lymphomatosis cerebri presenting as rapidly progressive dementia.** *The neurologist*  
Weaver, J. D., Vinters, H. V., Koretz, B., Xiong, Z., Mischel, P., Kado, D.  
2007; 13 (3): 150-3
  - **Depressive symptoms as a predictor of cognitive decline: MacArthur Studies of Successful Aging.** *The American journal of geriatric psychiatry : official journal of the American Association for Geriatric Psychiatry*  
Chodosh, J., Kado, D. M., Seeman, T. E., Karlamangla, A. S.  
2007; 15 (5): 406-15
  - **Sex steroid hormone gene polymorphisms and depressive symptoms in women at midlife.** *The American journal of medicine*  
Kravitz, H. M., Janssen, I., Lotrich, F. E., Kado, D. M., Bromberger, J. T.  
2006; 119 (9 Suppl 1): S87-93
  - **Hyperkyphotic posture and risk of future osteoporotic fractures: the Rancho Bernardo study.** *Journal of bone and mineral research : the official journal of the American Society for Bone and Mineral Research*  
Huang, M. H., Barrett-Connor, E., Greendale, G. A., Kado, D. M.  
2006; 21 (3): 419-23
  - **Comparing a supine radiologic versus standing clinical measurement of kyphosis in older women: the Fracture Intervention Trial.** *Spine*
-

- Kado, D. M., Christianson, L., Palermo, L., Smith-Bindman, R., Cummings, S. R., Greendale, G. A.  
2006; 31 (4): 463-7
- **Hyperkyphotic posture and poor physical functional ability in older community-dwelling men and women: the Rancho Bernardo study.** *The journals of gerontology. Series A, Biological sciences and medical sciences*  
Kado, D. M., Huang, M. H., Barrett-Connor, E., Greendale, G. A.  
2005; 60 (5): 633-7
  - **Homocysteine versus the vitamins folate, B6, and B12 as predictors of cognitive function and decline in older high-functioning adults: MacArthur Studies of Successful Aging.** *The American journal of medicine*  
Kado, D. M., Karlamangla, A. S., Huang, M. H., Troen, A., Rowe, J. W., Selhub, J., Seeman, T. E.  
2005; 118 (2): 161-7
  - **Hyperkyphotic posture predicts mortality in older community-dwelling men and women: a prospective study.** *Journal of the American Geriatrics Society*  
Kado, D. M., Huang, M. H., Karlamangla, A. S., Barrett-Connor, E., Greendale, G. A.  
2004; 52 (10): 1662-7
  - **A cure for all ills.** *Journal of the American Geriatrics Society*  
Kado, D. M.  
2004; 52 (8): 1399
  - **Incident vertebral fractures and mortality in older women: a prospective study.** *Osteoporosis international : a journal established as result of cooperation between the European Foundation for Osteoporosis and the National Osteoporosis Foundation of the USA*  
Kado, D. M., Duong, T., Stone, K. L., Ensrud, K. E., Nevitt, M. C., Greendale, G. A., Cummings, S. R.  
2003; 14 (7): 589-94
  - **Homocysteine levels and decline in physical function: MacArthur Studies of Successful Aging.** *The American journal of medicine*  
Kado, D. M., Bucur, A., Selhub, J., Rowe, J. W., Seeman, T.  
2002; 113 (7): 537-42
  - **Rapid resting heart rate: a simple and powerful predictor of osteoporotic fractures and mortality in older women.** *Journal of the American Geriatrics Society*  
Kado, D. M., Lui, L. L., Cummings, S. R.  
2002; 50 (3): 455-60
  - **Prevalent vertebral deformities predict mortality and hospitalization in older women with low bone mass. Fracture Intervention Trial Research Group.** *Journal of the American Geriatrics Society*  
Ensrud, K. E., Thompson, D. E., Cauley, J. A., Nevitt, M. C., Kado, D. M., Hochberg, M. C., Santora, A. C., Black, D. M.  
2000; 48 (3): 241-9
  - **Vertebral fractures and mortality in older women: a prospective study. Study of Osteoporotic Fractures Research Group.** *Archives of internal medicine*  
Kado, D. M., Browner, W. S., Palermo, L., Nevitt, M. C., Genant, H. K., Cummings, S. R.  
1999; 159 (11): 1215-20
  - **Clinical characterization of thrombotic microangiopathy in HIV infection.** *AIDS (London, England)*  
Kado, D. M., Korotzer, B. S., Brass, E. P.  
1996; 10 (14): 1747-9