

**University of California, San Francisco
CURRICULUM VITAE**

Name: Douglas C Bauer, MD

Position: Professor In Residence, Step 5
Medicine
School of Medicine

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EDUCATION

1974 - 1978	University of the Pacific, Stockton, California	BS	Cum Laude, Chemistry and Biology
1978 - 1982	University of Colorado School of Medicine, Denver, Colorado	MD	Medicine with Honors
1982 - 1985	University of California, San Francisco	Intern and Resident	Primary Care Internal Medicine
1990 - 1992	San Francisco VA Medical Center, San Francisco, California	Fellowship	General Internal medicine and Clinical Epidemiology

LICENSES, CERTIFICATION

1983	Licensed, State of California (G52442)
1986	Diplomat, American Board of Internal Medicine

PRINCIPAL POSITIONS HELD

1985 - 1986	UCSF Clinical Instructor Medicine	
1986 - 1987	UCSF Assistant Clinical Medicine	Professor
1992 - 1992	UCSF	Adjunct Instructor Medicine and Epidemiology & Biostatistics
1992 - 1994	UCSF	2001 - 2005 UCSF
1994 - 2001	UCSF	2005 - present UCSF

		Associate Professor	Medicine and Epidemiology & Biostatistics
OTHER POSITIONS HELD CONCURRENTLY			
1995 - 1995	University of Vancouver, Vancouver, Canada (March, 1995)	Professor of Clinical	Medicine and Epidemiology & Biostatistics
1996 - 1996	University of Calgary, Calgary Alberta, Canada (February 1996)		
2001 - 2001	University of Lyon, Lyon France (October 2001)		
2002 - 2002	University of Lausanne, Lausanne Switzerland (August, 2002)	Visiting Professor	Medicine (Endocrinology)
2007 - 2007	Visiting Professor, University of Toronto, Toronto Canada (March, 2007)	Visiting Professor	Medicine (Endocrinology)
2015 - 2015	University of Bern, Bern Switzerland (September, 2016)	Visiting Professor	Medicine (Rheumatology)
2016 - 2016	University of Bern, Bern Switzerland (August, 2016)	Visiting Professor	Medicine

HONORS AND AWARDS

Assistant Adjunct Professor	Medicine and Epidemiology & Biostatistics	Visiting Professor	Medicine
Assistant Professor	Medicine and Epidemiology & Biostatistics	Visiting Professor	Medicine

1977	Phi Kappa Phi		
1978	Ellen Deering Award for the Highest GPA in Graduating Class		
1980	CIBA Award for Outstanding Community Service		
1981	Alpha Omega Alpha		
1981	Denver Medical Auxiliary Award	1993	Nominated, Kaiser Award for Excellence in Teaching, UCSF
1993	Crede Award for Excellence in Teaching, DGIM, UCSF		
1995	Nominated, Housestaff Teaching Award, UCSF Medical Housestaff		
1996	Young Investigator Award, World Congress on Osteoporosis, Amsterdam		

- 2000 Elected, Western Society for Clinical Investigation
- 2003 Exceptional Reviewer, Annals of Internal Medicine
- 2006 Exceptional Reviewer, Annals of Internal Medicine
- 2008 Exceptional Reviewer, Annals of Internal Medicine
- 2004 Nominated, Mentor of the Year Award, Bay Area Clinical Research Symposium, San Francisco, CA
- 2004 STAR Award, UCSF Medical Center
- 2004 Nominated, Crede Award for Clinical Research, DGIM, UCSF
- 2004 Nominated, Crede Award for Clinical Care, DGIM, UCSF
- 2005 Nominated, Kaiser Award for Excellence in Teaching, UCSF
- 2005 Nominated, Crede Award for Teaching, DGIM, UCSF
- 2006 Nominated, Crede Award for Teaching, DGIM, UCSF
- 2006 Nominated, Crede Award for Clinical Care, DGIM, UCSF
- 2007 STAR Award, UCSF Medical Center
- 2007 Crede Award for Excellence in Clinical Research, DGIM, UCSF
- 2008 Resident Research Mentoring Award, Department of Medicine, UCSF
- 2009 Resident Research Mentoring Award, Department of Medicine, UCSF
- 2010 Crede Award for Excellence in Community Service, DGIM, UCSF

KEYWORDS/AREAS OF INTEREST

Clinical epidemiology, clinical trials (RCTs), biomarker methodology. Osteoporosis risk factors, diagnosis, complications and treatment. Atypical femoral fractures. Thyroid dysfunction, risk factors, diagnosis, complications and treatment

CLINICAL ACTIVITIES

CLINICAL ACTIVITIES SUMMARY

I am an Attending Physician and provide continuity care (one half day per week) for a panel of about 250 adults in the General Medicine Practice at the Mt Zion campus. **CLINICAL SERVICES**

1990 - present Continuity Provider, General Medicine Practice, UCSF half day weekly

PROFESSIONAL ACTIVITIES

MEMBERSHIPS

1981 - present American College of Physicians
 1985 - present Society for General Internal Medicine
 1991 - present Society for Bone and Mineral Research
 1997 - present American Thyroid Association

SERVICE TO PROFESSIONAL ORGANIZATIONS

1995 - 1995	"Ultrasound assessment of bone" British Columbia Health Research Foundation, BC Canada	Member, Special Review Committee
1997 - 1999	National Osteoporosis Foundation (Chair, Ann Looker, NHANES), Advisory Committee on Biochemical Markers of Bone Turnover	Member, Advisor
1998 - 2001	Society of General Internal Medicine, National/International Reviewer Meeting Abstract	
2001 - 2001	American Board of Internal Medicine, Osteoporosis Practice Improvement Committee	Member
2001 - 2004	Western Society of Clinical Investigation	Council member
2001 - present	Society of Bone and Mineral Research, Annual National Meeting	Abstract Reviewer
2003 - 2003	International Osteoporosis Foundation, National/International Meeting Abstract	Abstract Reviewer
2003 - 2009	American Thyroid Association, Bylaws Committee	Member
2004 - 2004	International Osteoporosis Foundation, National/International Meeting	Abstract Reviewer
2004 - 2004	European Calcified Tissue Society, National/International Meeting Abstract	Abstract Reviewer
2005 - 2011	Scientific Advisory Council, National Osteoporosis Foundation	Member
2005 - 2010	Grant Review Committee, National Osteoporosis Foundation	Member
2008 - 2011	Publications Committee, American Society for Bone and Mineral Research (ASBMR)	Member
2008 - 2008	International Osteoporosis Foundation, National/International Meeting	Abstract Reviewer
2009 - 2011	American Society of Bone and Mineral Research, Denver, CO, Annual Meeting Poster Session Tour	Leader

- 2011 - present Committee of Scientific Advisors, International Member Osteoporosis
Foundation (IOF)
- 2013 - 2016 Task Force on Long Term Safety and Efficacy of Vertebral Member
Augmentation, American Society of Bone and Mineral Research
- 2013 - 2016 Task Force on Long Term Safety and Efficacy of Member
Bisphosphonate Therapy, American Society of Bone and
Mineral Research
- 2013 - 2014 Working Group on Clinician Education, American Society of Member Bone
and Mineral Research
- 2013 - 2018 Board of Trustees, National Osteoporosis Foundation Member
- 2015 - 2017 Professional Practice Committee, American Society of Member
Bone and Mineral Research
- 2016 - 2016 European Calcified Tissue Society Annual Meeting Abstract Reviewer
- 2017 - 2018 American Society of Bone and Mineral Research, Annual Annual meeting
Meeting Clinical Chair planning

SERVICE TO PROFESSIONAL PUBLICATIONS

- 1992 - present Peer review for New England Journal of Medicine, Jama, JamaIM, Annals of
Internal Medicine, Osteoporosis International, Journal of General Internal
Medicine, Journal of Bone and Mineral Research, American Journal of
Epidemiology, Circulation, Diabetes Care, Journal of Women's Health, Journal
of the American Geriatrics Society, Thyroid, Journal of Clinical Endo. and
Metabolism
- 2006 - present Editorial Board, Biomarker Insights, Libertas Academica Ltd
- 2009 - 2013 Editorial Board, Journal of Clinical Endocrinology and Metabolism
- 2009 - present Associate Editor, Primer on Metabolic Bone Diseases and Disorders of Mineral
Metabolism, 8th Edition (C. Rosen, editor), 9th Edition (J. Bilezikian, editor)
- 2013 - present Editorial Board, Journal of Bone and Mineral Research

INVITED PRESENTATIONS - INTERNATIONAL

- 1994 "Risk factors for fracture," Canadian Metabolic Bone Disease Medical
Advisory Council, Santa Fe, New Mexico, May 1994.
- 1994 "Thyroid dysfunction and osteoporosis," Department of
Endocrinology, University of Toulouse, Toulouse, France, June
1994.
- 1994 "Risk factors for osteoporotic fractures," Department of
Rheumatology, Hopital Edouard Herriot, Lyon, France, June
1994.
- 1995 Visiting Professorship, University of Vancouver, BC, March
1995. Radiology Grand Rounds, "Quantitative ultrasound: a new

- diagnostic test for osteoporosis." Endocrine Grand Rounds, "Determinants of axial bone mass in older women."
- 1996 Visiting Professorship, University of Calgary, Alberta, March 1996. Radiology Grand Rounds "Bone ultrasound: prospective results for fracture prediction." Endocrinology Grand Rounds "Risk factors for osteopenia and fracture."
- 1996 "A global view of the epidemiology of osteoporosis," Congreso Sociedad Espanola de Epidemiologia, Zaragoza, Spain, October 1996.
- 1997 "Quantitative ultrasound in the assessment of bone quality and fracture risk," Annual Scientific Meeting, Canadian Multicenter Osteoporosis Study (CAMOS), Montreal, Quebec, April 1997.
- 1997 "Fracture risk reduction with alendronate: the Fracture Intervention Trial," FIGO World Congress of Gynecology and Obstetrics, Copenhagen, Denmark, August 1997.
- 1997 "Diagnosis and treatment of osteoporosis," 8th Annual Meeting of the Argentina Society of General Internal Medicine, Buenos Aires, Argentina, November 1997.
- 1997 "Update on thromboembolism," 8th Annual Meeting of the Argentina Society of General Internal Medicine, Buenos Aires, Argentina, November 1997.
- 1999 "Clinical utility of quantitative ultrasound," Third International Congress on Osteoporosis, Xi'an, China, March 1999.
- 2000 "Osteoporosis risk assessment in the new millennium," Bone Measurement Institute, Vancouver BC, Canada, February 2000.
- 2000 "Prediction of bone loss and fractures," Bone Markers: Biochemical and Clinical Perspectives, University of Sheffield and F. Hoffmann-La Roche, Geneva, Switzerland, March 2000.
- 2001 "Statins and bone," Canadian Osteoporosis Medical Advisory Council, Vienna, Austria, April 2001.
- 2001 "Bone turnover and fracture," Department of Rheumatology, Hopital Edourd Herriot, University of Lyon, France, October 2001.
- 2002 "Biochemical markers of bone turnover and osteoporosis," Department of Endocrinology, University Geneva, Switzerland, February 2002.
- 2002 "Osteoporosis," Visiting Professor, University of Lausanne, Switzerland, August 2002.
- 2006 "Building a research career" and "Update on osteoporosis," 74th Annual Assembly of the Swiss Society of Internal Medicine, Lausanne, Switzerland, May 2006.

- 2007 "Clinical and research applications of bone turnover markers,"
Visiting Professor, University of Toronto, Canada, March 2007.
- 2007 "Thyroid and bone," Endocrine Grand Rounds, University of Toronto, Canada,
March 2007.
- 2007 "The reality of biomarkers in osteoporosis," Bone Interest
Group of the Osteoporosis Centre of B.C. and the Women's Health
Centre, Vancouver, Canada, October 2007.
- 2007 "Clinical utilization of BMD and biochemical markers in
osteoporosis, Endocrine Grand Rounds, McGill University, Montreal,
Canada, November 2007.
- 2007 "Biochemical markers and fracture risk," Centre de Rhumatologie
et d'ostéoporose de Québec, Québec, Canada, November 2007.
- 2007 "Biochemical markers to identify women at high risk of fracture,"
Department of Medicine Grand Rounds, Centre Hospitalier de
l'Université de Montréal, Montreal, Canada, November 2007.
- 2010 "Pharmacologic Therapy After Hip Fracture: Pros and Cons,"
International Symposium on Post Hip Fracture Care,
University of Zurich, Zurich, Switzerland, February 2010.
- 2010 "Developing a Clinical Trials Coordinating Center: the UCSF
Experience," University of Lausanne, Lausanne, Switzerland,
February 2010.
- 2012 "New Developments in Osteoporosis," Primary Care
Medicine: Concepts and Controversies, UCSF Continuing
Education Program, Puerto Vallarta, Mexico, February 2012
- 2012 "Osteoporosis Therapy: When to Stop," 6th International
Conference on Osteoporosis and Bone Research, Xi'an,
China, September 2012.
- 2013 "Calcium Supplementation: Good for the Bones and Bad for
the Heart?" Rheumatology Grand Rounds, University of
Lyon, Lyon, France, February 2013.
- 2013 "Update on the Clinical Utility of Bone Turnover Markers"
Danish Bone Society, Odense, Denmark, May 2013.
- 2013 "Anti-Fracture Treatments: When to Stop," Endocrine Grand
Rounds, University of Lausanne, Lausanne, Switzerland,
June 2013.
- 2013 "Do-Health, Vital and TRUST: Three Major Trials in the
Elderly and Why They are Important," International Guest
Speaker Presentation, Do-Health Annual Meeting, Zurich,
Switzerland, June 2013.
- 2014 "Osteoporosis Therapies: When to Stop," Department of

- Medicine Grand Grounds, University of Bern, Bern, Switzerland, March 2014.
- 2015 "Cycling and Osteoporosis: Who, What and Why?" Science and Cycling Annual Meeting, Utrecht, Netherlands, July 2015.
- 2015 "Identification of Patients at Risk and Treatment of Osteoporosis," Visiting Professor Lectures, University of Bern, Bern, Switzerland, September 2015
- 2016 "Update on Osteoporosis," Visiting Professor Lectures, University of Bern, Bern, Switzerland, August 2016.
- 2018 "What Research Should We Be Doing?" Swiss Society of General Internal Medicine Annual Meeting, Basel, Switerland, May 2018.
- 2018 "Osteoporosis for Generalists," Swiss Society of General Internal Medicine Annual Meeting, Basel, Switerland, May 2018.
- 2018 "Update on Biochemical Markers of Osteoporosis,' 9th International Conference on Osteoporosis and Bone Research co-organized by the Chinese Medical Association (CMA), Chinese Society of Osteoporosis and Bone Mineral Research(CSOBMR), and International Chinese Musculoskeletal Research Society(ICMRS), Suzhou, China, October 2018.

INVITED PRESENTATIONS - NATIONAL

- 1999 "Clinical utility of biochemical markers of bone turnover," Biochemical Markers Interest Group, Annual Meeting of the American Society for Bone and Mineral Research, St. Louis, September 1999.
- 2000 "Biochemical markers of bone remodeling," NIH Consensus Development Conference on Osteoporosis, Bethesda, March 2000.
- 2002 "Osteoporosis." Update in Clinical Medicine, Scottsdale, Arizona, November 2002.
- 2003 "Update on quantitative ultrasound and biochemical markers," NIH Bone Quality Planning Meeting, Bethesda, MD, August 2003.
- 2003 "What are the predictors of anti-fracture efficacy?" Satellite Symposia, American Society of Bone and Mineral Research Annual Meeting, Minneapolis, September 2003.
- 2004 "Biochemical markers of bone turnover," 5th Annual Bone Day: Modern Approaches to Diagnosis and Treatment of Osteoporosis, University of Cincinnati, Cincinnati, April 2004.

- 2004 "Combination therapy for osteoporosis: anabolics and anti-resorptives." 34th Sun Valley Workshop on Skeletal Tissue Biology, Sun Valley, Idaho, August 2004.
- 2004 "Are bone marker measurements on the verge of becoming clinically useful? A debate. Pro: R Eastell. Con: DC Bauer." Biochemical Marker Interest Group, annual meeting of the American Society of Bone and Mineral Research, Nashville, September 2004.
- 2005 "Biomarkers in the assessment of osteoporosis," 19th Annual Osteoporosis Symposia of the Metabolic Bone Disease Society of Colorado, Denver, Colorado, September 2005.
- 2007 "The long-term safety and efficacy of bisphosphonates," Satellite Symposia, National Osteoporosis Foundation 7th International Symposium on Osteoporosis: Translating Research Into Practice, Washington DC, April 2007.
- 2007 "The epidemiology of thyroid disease in the elderly," Thyroid Disease in Older Adults, American Thyroid Association Spring Symposia, Washington DC, May 2007.
- 2008 "Subclinical hypothyroidism and clinical cardiovascular disease," and "Thyrotoxicosis and the skeleton: how bad for the bones?" Cardiovascular and Metabolic Issues in Patients with Thyroid Dysfunction." American Thyroid Association Spring Symposium, Washington DC, March 2008.
- 2008 "Advances in biochemical markers of bone turnover," North American Menopause Society Annual Meeting, Orlando, Florida, September 2008.
- 2008 "Biomarkers for osteoporosis diagnosis and management," National Osteoporosis Foundation Regional Meeting, Chicago, IL, October 2008.
- 2008 "Biomarkers for osteoporosis diagnosis and monitoring," National Osteoporosis Foundation Regional Meeting, Houston, Texas, November 2008.
- 2009 "Osteoporosis and Low Bone Mass," Hormones and Healthy Bones Consensus Meeting, Association of Reproductive Health Professionals (ARHP) and the National Osteoporosis Foundation (NOF), Washington DC, February 2009.
- 2009 "Sarcopenia biomarkers," Global Experts Meeting, Merck, Trenton, New Jersey, April 2009.
- 2010 "Biomarkers for Osteoporosis Diagnosis and Monitoring," Annual Meeting of the National Osteoporosis Foundation, Miami, Florida, April 2010.

- 2010 "Cardiovascular Effects of Mild Thyroid Dysfunction," Ashland Endocrine Conference, Ashland, Oregon July 2010.
- 2011 "Cycling and osteoporosis: who, why and where?" Medicine of Cycling, Colorado Springs, Colorado, August 2011.
- 2011 "Bone Mineral Density Monitoring: Pro and Con," Clinical Debate vs. Nelson Watts, Annual Meeting of the American Society of Bone and Mineral Research, San Diego, California, September 2011.
- 2011 "Discontinuation of bisphosphonates," FDA Advisory Committee for Reproductive Health Drugs and the Drug Safety and Risk Management Advisory Committee, Bethesda Maryland, September 2011.
- 2011 "Is Too Much Suppression Bad for Bone," Annual Meeting Great Debate, American College of Rheumatology, Chicago, Illinois, November 2011.
- 2012 "How to Improve the Clinical Utility of Bone Turnover Markers," Bone Turnover Symposium, Annual Meeting of the American Society of Bone and Mineral Research, Minneapolis, Minnesota, September 2012.
- 2013 "Update on the Use of Bone Turnover Markers," Washington Bone Club, Baltimore, Maryland, November 2013.
- 2014 "Are Bone Marker Measurements of Practical Value in Osteoporosis?? Not Yet," ASBMR vs. ECTS Debate, Annual meeting the American Society of Bone and Mineral Research, Houston, Texas, September 2014.
- 2014 "Risks and Benefits of Dietary and Supplemental Calcium." Clinical Endocrine Update'Endocrine Board Review, Endocrine Society, San Francisco, September 2014.
- 2014 "Using FRAX in Clinical Practice" Meet the Professor, 2014Clinical Endocrine Update'Endocrine Board Review, Endocrine Society, San Francisco, September 2014.
- 2015 "Current and Emerging Approaches for Osteoporosis," "Suspected Thyroid Disorder: What Next?" Contemporary Forums Primary Care for Women, Las Vega, Nevada, December 2015.
- 2017 "Will the Therapeutic Horizon Fix the Treatment Gap," Clinical Evening Presentation, American Society of Bone and Mineral Research Annual Meeting, Denver, Colorado, September 2017.
- 2017 "Update on Fracture Surrogates from the Foundation for NIH Bone Quality Study" Biochemical Marker Interest Group, annual meeting of

the American Society of Bone and Mineral Research, Denver, Colorado, September 2017.

- 2018 "Starting and Stopping Osteoporosis Medications" Workshop Organizer and Speaker, Society of General Internal Medicine Annual Meeting, Denver Colorado, April 2018.
- 2018 "Predicting Fractures and Monitoring Therapy Efficacy," NIH/Office of Disease Prevention Workshop on Appropriate Use of Drug Therapies for Osteoporosis, Bethesda, October 2018

INVITED PRESENTATIONS - REGIONAL AND OTHER INVITED PRESENTATIONS

- 1993 "Thyroid hormone, uses and abuses," Advances in Internal Medicine, UCSF Department of Medicine Continuing Education Programs, San Francisco, California, May and June 1993.
- 1995 "New developments in thromboembolic disease," Primary Care Medicine Update 95. UCSF Department of Medicine Continuing Education Programs, Maui, Hawaii, April 1995.
- 1995 "TSH and free thyroxine in outpatients: an example of diagnostic redundancy," UCSF Laboratory Medicine Grand Rounds, San Francisco, California, August 1995.
- 1995 "Evaluation and treatment of sleep disorders" Primary Care Grand Rounds, UCSF Division of General Internal Medicine, November 1995.
- 1995 "Osteoporosis," Grand Rounds, Alexian Brothers Hospital, San Jose, California, December 1995.
- 1996 "Sleep disorders in primary care," Grand Rounds, California Pacific Medical Center, San Francisco, California, April 1996.
- 1996 "Clinical dilemmas in thyroid disease," The American College of Physicians Annual Meeting Pre-session Course, San Francisco, California, April 1996.
- 1996 Co-moderator and speaker, "What's new in osteoporosis treatment and diagnosis," The Endocrine Society/International Society of Endocrinology Annual Meeting Ancillary Symposia, San Francisco, California, June 1996.
- 1996 "Cancer screening: principles and practice," Essentials of Primary Care. UCSF Department of Medicine Continuing Education Programs, Squaw Valley, California, August 1996.
- 1997 "Results from the Fracture Intervention Trial (FIT)," Disease Management of Osteoporosis Colloquia, Newport Beach, California, March 1997.

- 1997 "Osteoporosis: risk factors and diagnostic techniques," Advances in Endocrinology and Metabolism, UCSF Department of Medicine Continuing Education Programs, San Francisco, California, March 1997.
- 1997 "Osteoporosis update," Management of the Senior Population in an HMO Environment, Zitter Group Center for Outcomes Information, San Francisco, California, March 1997.
- 1998 "Subclinical thyroid disease - new insights from epidemiologic studies," Medical Grand Rounds, UCSF Department of Medicine, March 1998 and San Francisco General Hospital, July 1998.
- 1998 "Osteoporosis: new approaches to diagnosis and treatment," Prevention 98, American College of Preventive Medicine, San Francisco, California, April 1998.
- 1998 "Quantitative ultrasound and fracture risk" Osteoporosis Update 1998, UCSF Department of Radiology Continuing Education Programs, San Francisco, California, May 1998.
- 1998 "Osteoporosis 1998," Sutter Medical Center of Santa Rosa Grand Rounds, Santa Rosa, California, October 1998.
- 1998 "New approaches to the management of congestive heart failure" Primary Care Principles and Practice, UCSF Department of Medicine Continuing Education Programs, San Francisco, California, October 1998.
- 1998 "New developments in osteoporosis," Annual Meeting of the American Academy of Insurance Medicine, San Francisco, California, October 1998.
- 1988 "Defining the treatment: use of placebo vs. active controls," 7th Symposium on Clinical Trials: Design, Methods and Controversies, UCSF School of Medicine Continuing Medical Education Programs, San Francisco, California, October 1988.
- 1998 "Current therapy of osteoporosis," Metabolic Bone Study Group, 62nd National Scientific Meeting of the American College of Rheumatology, San Diego, California, November 1998.
- 1999 "Designer estrogens and non-hormonal treatments for osteoporosis," Embracing Menopause: Traditional and Alternative Approaches, UCSF National Center of Excellence in Women's Health, San Francisco, California, June 1999.
- 1999 "New approaches to the diagnosis and treatment of osteoporosis," Advances in Internal Medicine, UCSF Department of Medicine Continuing Education Programs, San Francisco, California, May and June 1999.

- 2000 "Advances in osteoporosis risk factor assessment," Pri-Med West, Long Beach, April 2000.
- 2000 "Quantitative ultrasound in osteoporosis management," 44th Annual Meeting of the American Institute of Ultrasound in Medicine, San Francisco, April 2000.
- 2002 "Monitoring osteoporosis treatments: useful or misleading," Primary Care Grand Rounds, UCSF Division of General Internal Medicine, October 2002
- 2002 "Thyroid dysfunction and osteoporosis," Institute of Medicine Workshop on Medicare Coverage on Routine Thyroid Screening (Chair: R Wallace), San Diego, California, October 2002.
- 2003 "An update on thyroid conditions in primary care," Obstetrics and Gynecology Update: What Does the Evidence Tell Us? UCSF Department of Continuing Medical Education, San Francisco, California, October 2003.
- 2004 "Biomarkers in osteoporosis research," Department of Health Research and Policy, Division of Epidemiology, Stanford University, March 2004.
- 2004 "Biochemical markers of bone turnover," Osteoporosis: The Basics for Clinicians and Non-clinicians. UCSF Department of Continuing Medical Education, San Francisco, California, July 2004.
- 2006 "Evaluating new and emerging technologies," Symposia Panelist, 29th Annual Meeting of the Society of General Internal Medicine, Los Angeles, California, April 2006.
- 2006 "Surrogate markers," K12 Scholars Symposia, UCSF, San Francisco, California, May 2006.
- 2006 "Modern management of sleep disorders," "Diagnosis and treatment of common thyroid disorders," and "Prevention and treatment of osteoporotic fractures," Essentials of Primary Care: 2006. A Core Curriculum for Practice in the Managed Care Era. UCSF Department of Medicine Continuing Education Programs, Lake Tahoe, California, August 2006.
- 2006 "Optimal duration of osteoporosis treatment," 1st Annual Northern California Bone and Mineral Symposium. UCSF Department of Medicine Continuing Education Programs, Napa, California, October 2006.
- 2006 "Current issues in osteoporosis," Primary Care Medicine: Principles and Practice. UCSF Department of Medicine Continuing Education Programs, San Francisco, California, October 2006.
- 2007 "Cancer screening 2007," "Prevention and Treatment of

- Osteoporotic fractures," and "Sleep disorders," Primary Care Medicine: Update 2007. UCSF Department of Medicine Continuing Education Programs, Maui, Hawaii, April 2007.
- 2007 "Surgical repair of spine fracture," Northern California Bone and Mineral Symposium, Napa, California, October 2007.
- 2007 "Predicting osteoporotic fractures: BMD and beyond," Controversies in Risk Prediction, San Francisco Coordinating Center and UCSF Department of Epidemiology and Biostatistics, San Francisco, California, October 2007.
- 2008 "Biochemical markers and their potential clinical role," "Monitoring of treatment in osteoporosis," and "Who should be treated: clinical recommendations and guidelines," Fourth Annual Osteoporosis: New Insights into Research, Diagnosis and Clinical Care. UCSF Continuing Education Programs, San Francisco, California, July 2008.
- 2008 "Vertebroplasty and kyphoplasty as treatments for vertebral fracture," "Monitoring of treatment for osteoporosis: BMD, bone markers or none of the above?" Fifth Annual Osteoporosis: New Insights into Research, Diagnosis and Clinical Care. UCSF Continuing Education Programs, San Francisco, California, July 2008.
- 2008 "Mastering thyroid diseases," "Modern management of sleep disorders," and "Interpretation of clinical research studies: tricks of the trade." Essentials of Primary Care. UCSF Department of Medicine Continuing Education Programs, Lake Tahoe, California, August 2008.
- 2008 "Building better bones: advances in osteoporosis," Primary Care Medicine: Principles and Practice. UCSF Department of Medicine Continuing Education Programs, San Francisco, California, October 2008.
- 2008 "Subclinical thyroid dysfunction: a clinical update," Endocrine Grand Rounds, UCSF, San Francisco, California, December 2008.
- 2009 "Update on osteoporosis," Obstetrics and Gynecology Update: What Does the Evidence Tell Us? UCSF Continuing Education Programs, San Francisco, California, October 2009.
- 2009 "Update on recent trials and new drugs," Northern California Bone and Mineral Symposium, UCSF Continuing Education Programs, Monterey, California, November 2009.
- 2009 "Building better bones," Controversies in Women's Health, UCSF Department of Medicine Continuing Education Programs, San Francisco, California, December 2009.

- 2009 "Osteoporosis for Obstetricians and Gynecologists," OB-Gyn Grand Rounds, Kaiser Permanente, San Francisco, California, December 2009.
- 2010 "New Developments in Osteoporosis," Controversies in Women's Health, UCSF Department of Medicine Continuing Education Program, San Francisco, California, December 2010.
- 2011 "New Developments in Osteoporosis,; Essentials of Women's Health, UCSF Continuing Education Program, Kona, Hawaii, July 2011.
- 2011 "Calcium: Good for the Bones or Bad for the Heart?" 5th Annual Northern California Bone and Mineral Symposium, Napa, California, October 2011.
- 2012 "Osteoporosis: update on diagnosis and therapy," Mini-Medical School Lecture Series, UCSF, May, 2012.
- 2012 "New and Emerging Therapies for Osteoporosis," Controversies in Women's Health, UCSF Department of Medicine Continuing Education Program, San Francisco, California, December 2012.
- 2013 "International Studies of Thyroid Dysfunction: A Year in Lausanne," Department of Epidemiology & Biostatistics Grand Rounds, San Francisco, California, August 2013.
- 2013 "Current and Emerging Strategies for Osteoporosis," Primary Care Medicine, UCSF Department of Medicine Continuing Education Program, San Francisco, California, November 2013.
- 2014 "Modern Management of Sleep Disorders," "Critical Reading of the Medical Literature: Tricks of the Trade," Essentials of Women's Health. UCSF Department of Medicine Continuing Education Programs, Big Island, Hawaii, July, 2014.
- 2014 "Update on the Use of Bone Turnover Markers," 11th Annual Osteoporosis: New Insights into Research, Diagnosis and Clinical Care. UCSF Continuing Education Programs, San Francisco, California, July 2014.
- 2014 "Current and Emerging Strategies for Osteoporosis," Primary Care Medicine, UCSF Department of Medicine Continuing Education Program, San Francisco, California, October 2014.
- 2015 "Monitoring Patients On and Off Therapy," 12th Annual Osteoporosis: New Insights into Research, Diagnosis and Clinical Care. UCSF Continuing Education Programs, San Francisco, California, July 2015.
- 2015 "Current and Emerging Strategies for Osteoporosis,"

Controversies in Women's Health, UCSF Department of
Medicine Continuing Education Program, San Francisco,
California, December 2015.

GOVERNMENT AND OTHER PROFESSIONAL SERVICE

1989 - 1990	Committee for Residency Training and Clinical Services, Department of Medicine, Stanford Medical Center	Member
1999 - 2000	Planning Committee, NIH Consensus Conference on Osteoporosis (Chair, Joan McGowan, NIAMS)	Member
1999 - 1999	"Quantitative ultrasound testing for osteoporosis," Medical Consultant Policy Committee on Quality and Technology, Blue Shield of California	
2000 - 2000	VA Cooperative Studies Evaluation Committee	Ad Hoc Member
2000 - 2005	Data Safety Monitoring Board, Calcium and Vitamin D in Postmenopausal Women (NIH; J. Lapp and R. Recker, PI)	Member Malnutrition
2001 - 2015	Blue Shield of California Medical Policy Committee on Quality and Technology (4 half-day meeting/yr)	Member
2003 - 2007	NIH Skeletal Biology, Disease and Develop Study Section (S. Kosla, Chairman)(2-3 meetings/yr)	Ad hoc Member
2004 - 2008	NIH Osteoarthritis Biomarker Initiative (Chair: V Kraus)	Member
2004 - 2008	Data Safety Monitoring Board, Heart to Heart Study (NIH, R. Stafford, PI)	Member
2006 - 2009	Data Safety Monitoring Board, Prevention of Postmenopausal Bone Loss with Nitroglycerin (NIH; S. Wimalawansa, PI)	Committee Chair
2005 - 2008	Technical Expert and Peer Reviewer for Comparison of Therapies for Low-bone Mass, Stanford-UCSF Evidence Based Practice Center	Member
2007 - 2012	Improving Medication Adherence of Osteoporosis (NIH, D. Safety Officer Soloman, PI)	
2007 - 2012	NIH Skeletal Biology, Disease and Develop Study Section (T. Guiese, Chairman) (2 meetings/yr)	Ad hoc Member
2008 - 2011	NIH Osteoarthritis Initiative (OAI), Biospecimen Review Allocation Committee	Member and
2008 - 2012	US Bone and Joint Decade Program (yearly 2 day and Mentor	Faculty Member meeting)
2009 - 2009	NIH Kidney, Nutrition, Obesity, and Diabetes Epidemiology Study Section (KNOD)	Ad hoc Member

2009 - 2013	Data Safety Monitoring Board, Vivamos Activos Study (NIH, R. Stafford, PI)	DSMB Chair
2009 - 2009	NIH American Recovery and Reinvestment Act (ARRA) Review Committee ZRG1 PSE-J and ZRG1 PSE-C	Ad hoc Member
2009 - 2010	Technical Expert Panel on Thyroid Screening, US Preventive Services Task Force	Member
2011 - 2011	NIH Special Emphasis Review Panel, NIAMS Centers of Research Translation	Reviewer
2011 - 2011	NIH Special Emphasis Review Panel, Menopause and Disorders	Reviewer Metabolic
2012 - 2013	Working Group on Clinician Education, American Society of Bone and Mineral Research	Member of Bone and Mineral Research
2013 - 2017	Professional Practice Committee, American Society of Bone and Mineral Research	Member
2013 - 2017	NIH Neurologic, Aging and Musculoskeletal Epidemiology Study Section (NAME) (3 in person meetings/yr)	Standing Member
2014 - 2014	Society of General Internal Medicine One-on-One Mentoring Program (met with junior faculty during annual meeting)	External Mentor
2015 - 2015	Society of General Internal Medicine One-on-One Mentoring Program (met with junior faculty during annual meeting)	External Mentor
2015 - present	FDA Bone, Reproductive and Urologic Drugs Advisory Committee (BRUDAC) (3-4 in person meetings/yr)	Standing Member
2017 - 2017	Institute for Clinical and Economic Review (ICER) Evidence Report on Anabolic Therapies for Osteoporosis in Postmenopausal Women	Reviewer
2018 - present	Technical Expert Panel on Appropriate Use of Drug Therapies for Osteoporosis, Agency for Healthcare Research and Quality (AHRQR)	Reviewer

UNIVERSITY AND PUBLIC SERVICE

SERVICE ACTIVITIES SUMMARY

I provide service on the local, division, university and national level. Recent examples include my ongoing leadership of the UCSF K Scholars Program, serving on several committees for the Society of Bone and Mineral Research, serving as member of an FDA Advisory Panel (BRUDAC) and recently completing a 4 year term as a member of an NIH Study Section (NAME).

UCSF CAMPUSWIDE

2000 - present Executive Committee, UCSF Coordinating Center Member 2001 - 2004
Committee on Research, UCSF Academic Senate Member

- 2007 - 2014 Resident Research Training Program, UCSF Clinical and Translational Research Institute Director
- 2008 - 2017 Biostatistics Research Ethics and Design (BREAD), UCSF Clinical and Translational Sciences Institute Consultant
- 2008 - 2014 Clinical and Translational Pathways to Discovery, UCSF Co-Director
- 2008 - 2011 Mentor Development Program Grants Seminar, Clinical Translational Mentor Development Program, UCSF Panel member and
- 2010 - 2010 Indirect Cost Recovery Task Force, UCSF Academic Member Senate
- 2010 - 2014 Bay Area Clinical Research Symposia, UCSF/CPMC Co-Chair
- 2013 - 2013 Strategic Planning Research Program, Obstetrics, Gynecology and Reproductive Sciences, UCSF Reviewer
- 2013 - present KL2 Selection Committee, UCSF Member
- 2014 - present K Scholars Program, UCSF Clinical and Translational Research Institute Director

SCHOOL OF MEDICINE

- 1984 - 1987 Intern Selection Committee, UCSF Primary Care Internal Medicine Program Member
- 1988 - present Intern Selection Committee, UCSF Primary Care Internal Medicine Program (3-5 interviews and selection meeting each year) Member
- 2018 - present Task Force on School of Medicine K Scholars (Chair: K. Bibbins-Domingo). Develop best practices for the recruitment and career development of junior faculty with K awards. Member

DEPARTMENTAL SERVICE

- 1993 - 2000 Clinical Incentive and Productivity Committee, Division of General Internal Medicine, UCSF Member
- 1998 - 2011 UCSF Division of General Internal Medicine Faculty Research Seminars (Schedule and facilitate bimonthly faculty presentations) Coordinator
- 1998 - 2000 Master's Committee for Nicolas Rodondi, MD, Department of Epidemiology and Biostatistics, UCSF Chair of
- 1999 - 2000 Primary Care Residency Program, Division of General Internal Medicine, UCSF Ombudsman
- 1999 - 2012 Executive Committee, Division of General Internal Medicine, UCSF Member Medicine,
- 1999 - 2012 Division of General Internal Medicine, UCSF Director of Research
- 2003 - 2004 Master's Committee for Kaycee Sink, MD, Department of Epidemiology and Biostatistics, UCSF Member

2004 - 2005	Master's Committee for Nicolas Rodondi, MD, Department Chair of Epidemiology and Biostatistics, UCSF	
2004 - 2005	Division of General Internal Medicine, UCSF	Acting Co-Chief
2004 - 2012	Research Faculty Search Committee, Division of General Internal Medicine, UCSF	Chair
2008 - 2012	Promotions Committee, Department of Medicine, UCSF	Member
2014 - 2016	Master's Committee for Michael Wilson MD, Department of Chair Epidemiology and Biostatistics, UCSF	
2014 - 2014	Department of Obstetrics, Gynecology & Reproductive Sciences Strategic Planning Research Program (Chair: L Giudice)	Reviewer
2015 - 2017	Master's Committee for Christine Ferrara MD, Department Chair of Epidemiology and Biostatistics, UCSF	
2015 - present	Research Advisory Committee, Division of General Internal Medicine, UCSF. Advises DGIM leadership on researchrelated issues	Member
2015 - 2016	PISCES Longitudinal Preceptor, Division of General Internal Medicine, UCSF (Daniel Copeland, MS3)	Preceptor
2016 - present	Master's Committee for Christina Baumgarten MD, Department of Epidemiology and Biostatistics, UCSF	Chair
2017 - 2017	Search Committee for In-Residence Faculty Recruitment, of Epidemiology & Biostatistics, UCSF	Member Department

SERVICE AT OTHER UNIVERSITIES

2015 - 2015	Ad Hoc Committee of Evaluators, Harvard University	Member
2015 - 2015	KL2 Selection Committee, University of California, Davis	Ad hoc Member
2015 - 2015	Geneva University Hospitals and Faculty of Medicine Research Foundation	External Reviewer
2017 - 2017	Search Committee for Director, Institute of Social and Preventive Medicine, Faculty of Medicine, University of Bern, Switzerland	External Reviewer
2017 - 2020	External Advisory Committee, CTSA Clinical Research Training Center, Washington University, St. Louis	External Reviewer

COMMUNITY AND PUBLIC SERVICE

1992 - 1992	Camp Oljado, Boy Scouts of America	Staff Physician
1993 - 1999	East Palo Alto California Rotocare Clinic (5 hr./mo.)	Volunteer Physician
1994 - 1999	American Youth Soccer (AYSO), Menlo Park, California	Head Coach
1997 - 2005	Star Math Program, Menlo-Atherton School District (4 hr./mo.)	Tutor
1998 - 2004	Menlo-Atherton Pop Warner Football	Board Member

2005 - 2006 Lance Armstrong Foundation Grant Reviewer
2006 - present Collective Roots (Sustainable Food Non-profit), East Palo Alto, CA Volunteer
2007 - present Ride the Rockies Riding Medic Program (week long annual Volunteer event) Physician

RESEARCH AND CREATIVE ACTIVITIES

RESEARCH AND CREATIVE ACTIVITIES SUMMARY

Risk Factors, Diagnostic Tests and Treatments for Osteoporosis in Men and Women

As a member of the San Francisco Coordinating Center, Dr. Bauer has a longstanding interest in risk factors for osteoporosis. Current research activities include analyses of novel risk factors in older men and women, such as accelerated bone turnover and use of certain medications, using data from the NIH-funded Study of Osteoporotic Fractures (SOF), a prospective cohort of nearly 10,000 older women assembled in 1986, and the Osteoporosis in Men (MrOS) study, a prospective study of 7,000 older men.

As a Co- investigator and Director of Endpoints for several clinical trials coordinated by UCSF, including the Fracture Intervention Trial, the Women's Health Initiative, and the PaTH (PTH and Alendronate) Study, Dr. Bauer continues to perform analyses related to the efficacy and adverse effects of osteoporosis treatments, including alendronate, estrogen, zoledronic acid, and parathyroid hormone.

Biomarkers in Musculoskeletal Disease

Dr. Bauer's interest in the biologic determinants of osteoporosis has lead to broader investigations related to biomarkers and surrogate outcomes. To improve individual patient care and to expedite drug development, there is a critical need for inexpensive and reliable osteoporosis biomarkers. Dr. Bauer is internationally known for his work related to biochemical markers of bone turnover and newer biochemical markers of bone quality. He received RO1 funding to study the relationship between bone turnover, bone quality and fracture outcomes in men enrolled in the MrOS study. Dr. Bauer has contributed to osteoarthritis biomarkers, a new area of investigation, and is funded to explore the relationship between serum biomarkers and knee OA as characterized by MRI in the Health ABC cohort, an NIH-funded biracial cohort of 3000 older men and women. Dr. Bauer has received a Mid-career Investigator Award in Patient-Oriented Research (K24) to further study osteoporosis and osteoarthritis biomarkers and has received additional NIH funding to extend these approaches to proteomic and other novel biomarkers.

Long-term Use of Bisphosphonates

Dr. Bauer's research has directly contributed evidence to address recent concerns about the efficacy and safety of long-term bisphosphonate use for fracture prevention. Based upon this work, he was asked the American Society of Bone and Mineral Research to co-author clinical guidelines on the topic, and has recently received NIH RO1 funding to conduct a longitudinal

study of bisphosphonate use and the risk of atypical femoral fractures using Danish National Health data.

Consequences and Treatment of Thyroid Dysfunction

After establishing that excess thyroid hormone was associated with an increased risk of fracture among older women (Annals of Intern Med, 2001), Dr. Bauer has continued to explore the possible mechanisms and clinical implications related to the skeletal, cardiovascular and neuro-cognitive consequence of thyroid disease. In addition to leading multiple publications that characterize the potential adverse consequences of mild thyroid dysfunction, Dr. Bauer created and directs an international working group of investigators committed to the efficient design and conduct of a large, multicenter trial of thyroid hormone replacement in men and women over 50 with mild thyroid failure. This trial will be the first to address the effects of thyroid replacement on important clinical outcomes including cardiovascular disease. Dr. Bauer received a R34 Planning Grant to plan, organize, and secure funding for this large, multicenter trial which was conducted in 4 European countries (the TRUST Study) with EU funding.

RESEARCH AWARDS - CURRENT

1. FNIH13BQ Co-PI Black (PI)

Foundation for NIH	09/01/2013	12/31/2019
Biomarkers Consortium Bone Quality Project	\$ 1,189,400 total	A collaborative project to pool study and individual level data from multiple randomized trials of anti-fracture therapy to assess the prospective relationship between treatment-related changes in biomarkers and fracture outcomes.

Co-PI leadership. Design, collection and analysis of bone turnover markers and fracture outcomes from >15 RCTs

2. R01 AR068980 PI Bauer (PI)

NIH	03/9/2016	2/2/2020
Atypical Femoral Fractures: A Population-Based Study of Risk Factors and Relationship to Bisphosphonate Exposure and Discontinuation	\$ 337,078 direct/yr	\$ 1,361,197 total

Prospective study of relationship between bisphosphonate use and atypical femoral fracture using Danish National Health data.

Overall leadership

3. 1KL2TR00870 PI Bauer (PI)

NIH	7/18/2016	06/30/2021
UCSF KL2 Scholars Program	\$ 2,669,132 direct/yr	\$ 9,700,000 total

Supports the UCSF K Scholars Program
 Director, K Scholars Program

4. AG18197 Co-Investigator Orwoll (PI)
 NIH 01/09/1999 01/06/2019
 Osteoporotic Fractures in Men (MrOS) \$ 6,800,000 total
 The largest and longest prospective cohort of risk factors for fracture in older men.
Steering Committee and Director of Endpoints Committee

5. No Number UCSF Subcontract PI Snyder (PI)
 AbbVie 04/01/2018 03/31/2024
 The Testosterone Replacement Fracture Trial \$ 599,301 total
 Industry-sponsored multicenter randomized trial to determine if testosterone replacement in older men is associated with the cardiovascular outcomes. The Fracture Trial is an investigator-initiated substudy (P Snyder, PI, University of Pennsylvania) to assess fracture outcomes.
 Dr. Bauer is the PI of the UCSF subcontract responsible for fracture assessment and adjudication. He Chairs the Fracture Endpoints Committee

RESEARCH AWARDS - PAST

1. K08, Clinical Investigator PI Award

NIH 1994-07-01 1997-07-01
 Thyroid Function and Osteoporosis \$ 220,320 total

2. No Number PI
 NCI 2000-09-01 2004-09-01
 Breast Cancer and Osteoporosis in Older Women \$ 1,900,000 total

3. AR050900 PI
 NIH, UCSF Subcontract, Boston University 2003-09-01 2009-09-01
 Biomarkers in Osteoarthritis MRI Studies \$ 351,000 total

4. No Number PI
 UCSF Subcontract, California Pacific Medical Center 2005-11-01 2009-12-01
 Cardiovascular Event and Death Adjunction for AMG \$ 537,664 total
 162 (Amgen)

5. 110910-2	PI		
NCI/Avon Foundation, UCSF Subcontract Cauley- University of Pittsburgh.		2005-09-01	2010-07-01
for Estradiol, Cytokines, and Bone Turnover-Effects on Fracture			\$ 36,689 total
6. R01 DK69514	Co-investigator		
NIH		2005-09-01	2010-06-01
Intensive Glycemic Control and Skeletal Health			\$ 499,842 total
7. No Number	PI		
NIH, UCSF Subcontract, Calif Pacific Research Center		2005-07-01	2011-07-01
Folic Acid & B Vitamins to Prevent Fractures in		\$ 45,361 total	Women
8. RO1-2803205	PI		
NIH, UCSF Subcontract, Katie Stone-Calif Pacific Medical Center		2005-04-01	2014-05-01
Outcomes of Sleep Disorders in Older Men			\$ 50,692 total
9. RO1AR052862	PI		
NIH		2006-04-01	2011-02-01
Bone Turnover and Fracture Risk in Men			\$ 921,182 total
10. NO1-WH-74318	PI		
NIH, UCSF Subcontract, Cauley, University of Pittsburg		2007-01-01	2011-01-01
Biochemical Antecedents of Fracture in Minority Women			\$ 25,266 total
11. R34 AG033669	PI		Bauer (PI)
NIH/NIA		01/06/2010	01/06/2013

Planning Grant for a Multicenter Study of Subclinical Hypothyroidism \$ 103,000 total

12. RO1AG005407	Co-Investigator		Snyder (PI)
NIH		09/01/2011	05/31/2016
The Bone Trial of the Testosterone Trial			\$ 101,760 total
Multicenter RCT of testosterone replacement in older men			
Adjudication of fracture events			
13. K24 AR051895	PI	Bauer (PI)	
NIH		03/31/2005	04/01/2017
Biomarker Research in Musculoskeletal Disease			\$ 1,548,600 total
Supported Dr. Bauer's mentoring activities and the analysis of proteomic profiles in men with osteoporotic fractures in the MrOS Study			
Overall leadership			
14. AG05407	Co-Investigator	Cummings (PI)	
NIH		02/01/1986	01/08/2016
Study of Osteoporotic Fractures (SOF)			\$ 13,400,000 total
Largest and longest prospective cohort assessing risk factors for fracture in older women			
Chair Endpoints Committee			
15. UL1R024131	Co-Investigator		Grandis (PI)
NIH		07/01/2013	06/30/2021
Clinical and Translational Science Institute		\$ 86,000,000 total	Supports UCSF's CTSI program
Director, Resident Research Program (through 2013) Member, Senior Leadership Group (ongoing)			

PEER REVIEWED PUBLICATIONS

1. **Bauer DC.** Evaluation of hematuria in adults. West J Med. 1990 Mar; 152(3):305-8. PMID: 2333706.
2. **Bauer DC.** Ultrasound surveillance to detect postoperative venous thrombosis. JAMA. 1992 Nov 18; 268(19):2650; author reply 2650-1. PMID: 1433681
3. **Bauer DC,** Browner WS, Cauley JA, Orwoll ES, Scott JC, Black DM, Tao JL, Cummings SR. Factors associated with appendicular bone mass in older women. The Study of Osteoporotic Fractures Research Group. Ann Intern Med. 1993 May 1; 118(9):657-65. PMID: 8460853

4. **Bauer DC**, Grady D, Pressman A for the Study of Osteoporotic Fractures research group. "Estrogen use, skin thickness, and osteoporosis in postmenopausal women." *Menopause*, 1(3):131-136, 1994.
5. **Bauer DC**, Glüer CC, Genant HK, Stone K. Quantitative ultrasound and vertebral fracture in postmenopausal women. Fracture Intervention Trial Research Group. *J Bone Miner Res*. 1995 Mar; 10(3):353-8. PMID: 7785455
6. **Bauer DC**, Orwoll ES, Fox KM, Vogt TM, Lane NE, Hochberg MC, Stone K, Nevitt MC. Aspirin and NSAID use in older women: effect on bone mineral density and fracture risk. Study of Osteoporotic Fractures Research Group. *J Bone Miner Res*. 1996 Jan; 11(1):29-35. PMID: 8770694
7. Orwoll ES, **Bauer DC**, Vogt TM, Fox KM. Axial bone mass in older women. Study of Osteoporotic Fractures Research Group. *Ann Intern Med*. 1996 Jan 15; 124(2):187-96. PMID: 8533993
8. **Bauer DC**. Thyroid hormone use and fractures. *Arch Intern Med*. 1996 Feb 12; 156(3):3412, 344. PMID: 8572848
9. Glüer CC, Cummings SR, **Bauer DC**, Stone K, Pressman A, Mathur A, Genant HK. Osteoporosis: association of recent fractures with quantitative US findings. *Radiology*. 1996 Jun; 199(3):725-32. PMID: 8637996
10. **Bauer DC**, Brown AN. Sensitive thyrotropin and free thyroxine testing in outpatients. Are both necessary? *Arch Intern Med*. 1996 Nov 11; 156(20):2333-7. PMID: 8911240
11. Black DM, Cummings SR, Karpf DB, Cauley JA, Thompson DE, Nevitt MC, **Bauer DC**, Genant HK, Haskell WL, Marcus R, Ott SM, Torner JC, Quandt SA, Reiss TF, Ensrud KE. Randomised trial of effect of alendronate on risk of fracture in women with existing vertebral fractures. Fracture Intervention Trial Research Group. *Lancet*. 1996 Dec 7; 348(9041):1535-41. PMID: 8950879
12. Cauley JA, Danielson ME, Gregg EW, Vogt MT, Zmuda J, **Bauer DC**. Calcaneal ultrasound attenuation in older African-American and Caucasian-American women. *Osteoporos Int*. 1997; 7(2):100-4. PMID: 9166388
13. **Bauer DC**, Glüer CC, Cauley JA, Vogt TM, Ensrud KE, Genant HK, Black DM. Broadband ultrasound attenuation predicts fractures strongly and independently of densitometry in older women. A prospective study. Study of Osteoporotic Fractures Research Group. *Arch Intern Med*. 1997 Mar 24; 157(6):629-34. PMID: 9080917
14. Lane NE, **Bauer DC**, Nevitt MC, Pressman AR, Cummings SR. Aspirin and nonsteroidal antiinflammatory drug use in elderly women: effects on a marker of bone resorption. The Study of Osteoporotic Fractures Research Group. *J Rheumatol*. 1997 Jun; 24(6):1132-6. PMID: 9195522
15. **Bauer DC**, Nevitt MC, Ettinger B, Stone K. Low thyrotropin levels are not associated with bone loss in older women: a prospective study. *J Clin Endocrinol Metab*. 1997 Sep; 82(9):2931-6. PMID: 9284722
16. Gluer C, for the International Quantitative Ultrasound Consensus Group, "Quantitative ultrasound techniques for the assessment of osteoporosis: consensus on current status." *Journal of Bone and Mineral Research*, 12(8): 1280-1288, 1997.

17. Ensrud KE, Black DM, Palermo L, **Bauer DC**, Barrett-Connor E, Quandt SA, Thompson DE, Karpf DB. Treatment with alendronate prevents fractures in women at highest risk: results from the Fracture Intervention Trial. *Arch Intern Med.* 1997 Dec 8-22; 157(22):2617-24. PMID: 9531231
18. Lanza F, Yates AJ, **Bauer DC**. Is alendronate clinically gastrotoxic? Re: Graham et al. primary amino-bisphosphonates: a new class of gastrotoxic drugs--comparison of alendronate and aspirin. *Am J Gastroenterol.* 1998 Feb; 93(2):284-5. PMID: 9468271
19. Jamal SA, Browner WS, **Bauer DC**, Cummings SR. Warfarin use and risk for osteoporosis in elderly women. Study of Osteoporotic Fractures Research Group. *Ann Intern Med.* 1998 May 15; 128(10):829-32. PMID: 9599195
20. **Bauer DC**, Ettinger B, Browner WS. Thyroid functions and serum lipids in older women: a population-based study. *Am J Med.* 1998 Jun; 104(6):546-51. PMID: 9674717
21. Stone K, **Bauer DC**, Black DM, Sklarin P, Ensrud KE, Cummings SR. Hormonal predictors of bone loss in elderly women: a prospective study. The Study of Osteoporotic Fractures Research Group. *J Bone Miner Res.* 1998 Jul; 13(7):1167-74. PMID: 9661081
22. Zmuda JM, Eichner JE, Ferrell RE, **Bauer DC**, Kuller LH, Cauley JA. Genetic variation in alpha 2HS-glycoprotein is related to calcaneal broadband ultrasound attenuation in older women. *Calcif Tissue Int.* 1998 Jul; 63(1):5-8. PMID: 9632839
23. Ettinger B, Pressman A, Sklarin P, **Bauer DC**, Cauley JA, Cummings SR. Associations between low levels of serum estradiol, bone density, and fractures among elderly women: the study of osteoporotic fractures. *J Clin Endocrinol Metab.* 1998 Jul; 83(7):2239-43. PMID: 9661589
24. Gregg EW, Cauley JA, Seeley DG, Ensrud KE, **Bauer DC**. Physical activity and osteoporotic fracture risk in older women. Study of Osteoporotic Fractures Research Group. *Ann Intern Med.* 1998 Jul 15; 129(2):81-8. PMID: 9669990
25. Cummings SR, Browner WS, **Bauer D**, Stone K, Ensrud K, Jamal S, Ettinger B. Endogenous hormones and the risk of hip and vertebral fractures among older women. Study of Osteoporotic Fractures Research Group. *N Engl J Med.* 1998 Sep 10; 339(11):733-8. PMID: 9731089
26. Jamal SA, Browner WS, **Bauer DC**, Cummings SR. Intermittent use of nitrates increases bone mineral density: the study of osteoporotic fractures. *J Bone Miner Res.* 1998 Nov; 13(11):1755-9. PMID: 9797485
27. Baltzan MA, Suissa S, **Bauer DC**, Cummings SR. Hip fractures attributable to corticosteroid use. Study of Osteoporotic Fractures Group. *Lancet.* 1999 Apr 17; 353(9161):1327. PMID: 10218535
28. **Bauer DC**, Sklarin PM, Stone KL, Black DM, Nevitt MC, Ensrud KE, Arnaud CD, Genant HK, Garnero P, Delmas PD, Lawaetz H, Cummings SR. Biochemical markers of bone turnover and prediction of hip bone loss in older women: the study of osteoporotic fractures. *J Bone Miner Res.* 1999 Aug; 14(8):1404-10. PMID: 10457273
29. Looker AC, **Bauer DC**, Chesnut CH, Gundberg CM, Hochberg MC, Klee G, Kleerekoper M, Watts NB, Bell NH. Clinical use of biochemical markers of bone remodeling: current status and future directions. *Osteoporos Int.* 2000; 11(6):467-80. PMID: 10982161

30. Cummings SR, **Bauer DC**. Cummings SR, Bauer DC. Do statins prevent both cardiovascular disease and fracture? JAMA. 2000 Jun 28; 283(24):3255-7. PMID: 10866875
31. **Bauer DC**, Black D, Ensrud K, Thompson D, Hochberg M, Nevitt M, Musliner T, Freedholm D. Upper gastrointestinal tract safety profile of alendronate: the fracture intervention trial. Arch Intern Med. 2000 Feb 28; 160(4):517-25. PMID: 10695692
32. **Bauer DC**. Osteoporotic fractures: ignorance is bliss? Am J Med. 2000 Sep; 109(4):338-9. PMID: 10996589
33. **Bauer DC**. Alendronate and nonsteroidal anti-inflammatory drug interaction safety is not established: a reply. Arch Intern Med. 2000 Sep 25; 160(17):2686-7. PMID: 10999998
34. Black DM, Thompson DE, **Bauer DC**, Ensrud K, Musliner T, Hochberg MC, Nevitt MC, Suryawanshi S, Cummings SR. Fracture risk reduction with alendronate in women with osteoporosis: the Fracture Intervention Trial. FIT Research Group. J Clin Endocrinol Metab. 2000 Nov; 85(11):4118-24. PMID: 11095442
35. Buist DS, LaCroix AZ, Barlow WE, White E, Cauley JA, **Bauer DC**, Weiss NS. Bone mineral density and endogenous hormones and risk of breast cancer in postmenopausal women (United States). Cancer Causes Control. 2001 Apr; 12(3):213-22. PMID: 11405326
36. **Bauer DC**, Ettinger B, Nevitt MC, Stone KL. Risk for fracture in women with low serum levels of thyroid-stimulating hormone. Ann Intern Med. 2001 Apr 3; 134(7):561-8. PMID: 12803168
37. Zmuda JM, Cauley JA, Ljung BM, **Bauer DC**, Cummings SR, Kuller LH. Bone mass and breast cancer risk in older women: differences by stages at diagnosis. J Natl Cancer Inst. 2001 Jun 20; 93(12):930-6.
38. Taaffe DR, Cauley JA, Danielson M, Nevitt MC, Lang TF, **Bauer DC**, Harris TB. Race and sex effects on the association between muscle strength, soft tissue, and bone mineral density in healthy elders: the Health, Aging, and Body Composition Study. J Bone Miner Res. 2001 Jul; 16(7):1343-52. PMID: 11450711
39. Waterer GW, Wan JY, Kritchevsky SB, Wunderink RG, Satterfield S, **Bauer DC**, Newman AB, Taaffe DR, Jensen RL, Crapo RO. Airflow limitation is underrecognized in wellfunctioning older people. J Am Geriatr Soc. 2001 Aug; 49(8):1032-8. PMID: 11555063
40. Chapurlat RD, Ewing SK, **Bauer DC**, Cummings SR. Influence of smoking on the antiosteoporotic efficacy of raloxifene. J Clin Endocrinol Metab. 2001 Sep; 86(9):4178-82. PMID: 11549646
41. Chapurlat RD, **Bauer DC**, Cummings SR. Association between endogenous hormones and sex hormone-binding globulin and bone turnover in older women: study of osteoporotic fractures. Bone. 2001 Oct; 29(4):381-7. PMID: 11595622
42. Simonsick EM, Montgomery PS, Newman AB, **Bauer DC**, Harris T. Measuring fitness in healthy older adults: the Health ABC Long Distance Corridor Walk. J Am Geriatr Soc. 2001 Nov; 49(11):1544-8. PMID: 11890597
43. Chapurlat RD, Blackwell T, **Bauer DC**, Cummings SR. Changes in biochemical markers of bone turnover in women treated with raloxifene: influence of regression to the mean. Osteoporos Int. 2001 Dec; 12(12):1006-14. PMID: 11846325

44. Cauley JA, Zmuda JM, Ensrud KE, **Bauer DC**, Ettinger B. Timing of estrogen replacement therapy for optimal osteoporosis prevention. *J Clin Endocrinol Metab.* 2001 Dec; 86(12):5700-5. PMID: 11739424
45. Franse LV, Di Bari M, Shorr RI, Resnick HE, van Eijk JT, **Bauer DC**, Newman AB, Pahor M. Type 2 diabetes in older well-functioning people: who is undiagnosed? Data from the Health, Aging, and Body Composition study. *Diabetes Care.* 2001 Dec; 24(12):2065-70. PMID: 11723084
46. Blanc S, Colligan AS, Trabulsi J, Harris T, Everhart JE, **Bauer D**, Schoeller DA. Influence of delayed isotopic equilibration in urine on the accuracy of the (2)H(2)(18)O method in the elderly. *J Appl Physiol (1985).* 2002 Mar; 92(3):1036-44. PMID: 11842037
47. Kanaya AM, Harris F, Volpato S, Pérez-Stable EJ, Harris T, **Bauer DC**. Association between thyroid dysfunction and total cholesterol level in an older biracial population: the health, aging and body composition study. *Arch Intern Med.* 2002 Apr 8; 162(7):773-9. PMID: 11926850
48. **Bauer DC**, Palermo L, Black D, Cauley JA. Quantitative ultrasound and mortality: a prospective study. *Osteoporos Int.* 2002 Aug; 13(8):606-12. PMID: 12181617
49. **Bauer DC**, Orwoll E. Quality indicators for management of osteoporosis. *Ann Intern Med.* 2002 Oct 1; 137(7):621-2. PMID: 12353958
50. Ensrud KE, Blackwell TL, Mangione CM, Bowman PJ, Whooley MA, **Bauer DC**, Schwartz AV, Hanlon JT, Nevitt MC. Central nervous system-active medications and risk for falls in older women. *J Am Geriatr Soc.* 2002 Oct; 50(10):1629-37. PMID: 12366615
51. Cryer B, **Bauer DC**. Oral bisphosphonates and upper gastrointestinal tract problems: what is the evidence? *Mayo Clin Proc.* 2002 Oct; 77(10):1031-43. PMID: 12374247
52. Nelson HD, Rizzo J, Harris E, Cauley J, Ensrud K, **Bauer DC**, Orwoll E. Osteoporosis and fractures in postmenopausal women using estrogen. *Arch Intern Med.* 2002 Nov 11; 162(20):2278-84. PMID: 12418942
53. Chapurlat RD, **Bauer DC**, Nevitt M, Stone K, Cummings SR. Incidence and risk factors for a second hip fracture in elderly women. *The Study of Osteoporotic Fractures. Osteoporos Int.* 2003 Apr; 14(2):130-6. PMID: 12730779
54. Ensrud KE, Blackwell T, Mangione CM, Bowman PJ, **Bauer DC**, Schwartz A, Hanlon JT, Nevitt MC, Whooley MA. Central nervous system active medications and risk for fractures in older women. *Arch Intern Med.* 2003 Apr 28; 163(8):949-57. PMID: 12719205
55. Hillier TA, Rizzo JH, Pedula KL, Stone KL, Cauley JA, **Bauer DC**, Cummings SR. Nulliparity and fracture risk in older women: the study of osteoporotic fractures. *J Bone Miner Res.* 2003 May; 18(5):893-9. PMID: 12733729
56. **Bauer DC**. HMG CoA reductase inhibitors and the skeleton: a comprehensive review. *Osteoporos Int.* 2003 Jun; 14(4):273-82. PMID: 12736772
57. Gregg EW, Cauley JA, Stone K, Thompson TJ, **Bauer DC**, Cummings SR, Ensrud KE. Relationship of changes in physical activity and mortality among older women. *JAMA.* 2003 May 14; 289(18):2379-86. PMID: 12746361
58. LaCroix AZ, Cauley JA, Pettinger M, Hsia J, **Bauer DC**, McGowan J, Chen Z, Lewis CE, McNeeley SG, Passaro MD, Jackson RD. Statin use, clinical fracture, and bone density in

- postmenopausal women: results from the Women's Health Initiative Observational Study. *Ann Intern Med.* 2003 Jul 15; 139(2):97-104. PMID: 12859159
59. Cauley JA, Zmuda JM, Lui LY, Hillier TA, Ness RB, Stone KL, Cummings SR, **Bauer DC**. Lipid-lowering drug use and breast cancer in older women: a prospective study. *J Womens Health (Larchmt).* 2003 Oct; 12(8):749-56. PMID: 14588125
 60. Haggerty CL, Waterer GW, Crapo RO, Taaffe DR, Harris T, Kritchevsky SB, **Bauer DC**, Jensen RL, Rubin SM, Newman AB. "Hormone replacement therapy is associated with better spirometry and maximum inspiratory pressure" *Ann Epidemiol.*, 13(8):568, 2003.
 61. Carbone LD, Tylavsky FA, Cauley JA, Harris TB, Lang TF, **Bauer DC**, Barrow KD, Kritchevsky SB. Association between bone mineral density and the use of nonsteroidal anti-inflammatory drugs and aspirin: impact of cyclooxygenase selectivity. *J Bone Miner Res.* 2003 Oct; 18(10):1795-802. PMID: 14584890
 62. Cauley JA, Zmuda JM, Danielson ME, Ljung BM, **Bauer DC**, Cummings SR, Kuller LH. Estrogen metabolites and the risk of breast cancer in older women. *Epidemiology.* 2003 Nov; 14(6):740-4. PMID: 14569192
 63. Raman A, Schoeller DA, Subar AF, Troiano RP, Schatzkin A, Harris T, **Bauer D**, Bingham SA, Everhart JE, Newman AB, Tylavsky FA. Water turnover in 458 American adults 40-79 yr of age. *Am J Physiol Renal Physiol.* 2004 Feb; 286(2):F394-401. PMID: 14600032
 64. Rodondi N, **Bauer DC**. Assessing the risk/benefit profile before recommending aspirin for the primary prevention of cardiovascular events. *Am J Med.* 2004 Oct 1; 117(7):528-30. PMID: 15464713
 65. Schott AM, Kassaï Koupaï B, Hans D, Dargent-Molina P, Ecochard R, **Bauer DC**, Bréart G, Meunier PJ. Should age influence the choice of quantitative bone assessment technique in elderly women? The EPIDOS study. *Osteoporos Int.* 2004 Mar; 15(3):196-203. PMID: 14735300
 66. **Bauer DC**, Mundy GR, Jamal SA, Black DM, Cauley JA, Ensrud KE, van der Klift M, Pols HA. Use of statins and fracture: results of 4 prospective studies and cumulative metaanalysis of observational studies and controlled trials. *Arch Intern Med.* 2004 Jan 26; 164(2):146-52. PMID: 14744837
 67. Blanc S, Schoeller DA, **Bauer D**, Danielson ME, Tylavsky F, Simonsick EM, Harris TB, Kritchevsky SB, Everhart JE. Energy requirements in the eighth decade of life. *Am J Clin Nutr.* 2004 Feb; 79(2):303-10. PMID: 14749238
 68. Stone KL, **Bauer DC**, Sellmeyer D, Cummings SR. Low serum vitamin B-12 levels are associated with increased hip bone loss in older women: a prospective study. *J Clin Endocrinol Metab.* 2004 Mar; 89(3):1217-21. PMID: 15001613
 69. Strotmeyer ES, Cauley JA, Schwartz AV, Nevitt MC, Resnick HE, Zmuda JM, **Bauer DC**, Tylavsky FA, de Rekeneire N, Harris TB, Newman AB. Diabetes is associated independently of body composition with BMD and bone volume in older white and black men and women: The Health, Aging, and Body Composition Study. *J Bone Miner Res.* 2004 Jul; 19(7):1084-91. PMID: 15176990
 70. Ensrud KE, Barrett-Connor EL, Schwartz A, Santora AC, **Bauer DC**, Suryawanshi S, Feldstein A, Haskell WL, Hochberg MC, Torner JC, Lombardi A, Black DM. Randomized trial of effect of alendronate continuation versus discontinuation in women with low BMD:

- results from the Fracture Intervention Trial long-term extension. *J Bone Miner Res.* 2004 Aug; 19(8):1259-69. PMID: 15231012
71. **Bauer DC**, Black DM, Garnero P, Hochberg M, Ott S, Orloff J, Thompson DE, Ewing SK, Delmas PD. Change in bone turnover and hip, non-spine, and vertebral fracture in alendronate-treated women: the fracture intervention trial. *J Bone Miner Res.* 2004 Aug; 19(8):1250-8. PMID: 15231011
 72. Keegan TH, Schwartz AV, **Bauer DC**, Sellmeyer DE, Kelsey JL. Effect of alendronate on bone mineral density and biochemical markers of bone turnover in type 2 diabetic women: the fracture intervention trial. *Diabetes Care.* 2004 Jul; 27(7):1547-53. PMID: 15220226
 73. Jamal SA, Leiter RE, Bayoumi AM, **Bauer DC**, Cummings SR. Clinical utility of laboratory testing in women with osteoporosis. *Osteoporos Int.* 2005 May; 16(5):534-40. PMID: 15340801
 74. **Bauer DC**. Combination and sequential therapy with PTH and bisphosphonates. *J Musculoskelet Neuronal Interact.* 2004 Dec; 4(4):407. PMID: 15758282
 75. Nevitt MC, Cummings SR, Stone KL, Palermo L, Black DM, **Bauer DC**, Genant HK, Hochberg MC, Ensrud KE, Hillier TA, Cauley JA. Risk factors for a first-incident radiographic vertebral fracture in women > or = 65 years of age: the study of osteoporotic fractures. *J Bone Miner Res.* 2005 Jan; 20(1):131-40. PMID: 15619679
 76. Reid IR, Gamble GD, Grey AB, Black DM, Ensrud KE, Browner WS, **Bauer DC**. beta-Blocker use, BMD, and fractures in the study of osteoporotic fractures. *J Bone Miner Res.* 2005 Apr; 20(4):613-8. PMID: 15765180
 77. Duboeuf F, **Bauer DC**, Chapurlat RD, Dinten JM, Delmas P. Assessment of vertebral fracture using densitometric morphometry. *J Clin Densitom.* 2005; 8(3):362-8. PMID: 16055969
 78. Rodondi N, Cornuz J, **Bauer DC**. Aspirin for the primary prevention of cardiovascular disease: a comprehensive review. *Compr Ther.* 2005; 31(3):186-93. PMID: 16110127
 79. Hodsman AB, **Bauer DC**, Dempster DW, Dian L, Hanley DA, Harris ST, Kendler DL, McClung MR, Miller PD, Olszynski WP, Orwoll E, Yuen CK. Parathyroid hormone and teriparatide for the treatment of osteoporosis: a review of the evidence and suggested guidelines for its use. *Endocr Rev.* 2005 Aug; 26(5):688-703. PMID: 15769903
 80. Cauley JA, Fullman RL, Stone KL, Zmuda JM, **Bauer DC**, Barrett-Connor E, Ensrud K, Lau EM, Orwoll ES. Factors associated with the lumbar spine and proximal femur bone mineral density in older men. *Osteoporos Int.* 2005 Dec; 16(12):1525-37. PMID: 15889316
 81. Sutton-Tyrrell K, Najjar SS, Boudreau RM, Venkitachalam L, Kupelian V, Simonsick EM, Havlik R, Lakatta EG, Spurgeon H, Kritchevsky S, Pahor M, **Bauer D**, Newman A. Elevated aortic pulse wave velocity, a marker of arterial stiffness, predicts cardiovascular events in well-functioning older adults. *Circulation.* 2005 Jun 28; 111(25):3384-90. PMID: 15967850
 82. Jamal SA, Leiter RE, **Bauer DC**. Hyperhomocysteinaemia and aortic calcification are associated with fractures in patients on haemodialysis. *QJM.* 2005 Aug; 98(8):575-9. PMID: 15983022

83. Strotmeyer ES, Cauley JA, Schwartz AV, Nevitt MC, Resnick HE, **Bauer DC**, Tylavsky FA, de Rekeneire N, Harris TB, Newman AB. Nontraumatic fracture risk with diabetes mellitus and impaired fasting glucose in older white and black adults: the health, aging, and body composition study. *Arch Intern Med*. 2005 Jul 25; 165(14):1612-7. PMID: 16043679
84. Cesari M, Kritchevsky SB, Penninx BW, Nicklas BJ, Simonsick EM, Newman AB, Tylavsky FA, Brach JS, Satterfield S, **Bauer DC**, Visser M, Rubin SM, Harris TB, Pahor M. Prognostic value of usual gait speed in well-functioning older people--results from the Health, Aging and Body Composition Study. *J Am Geriatr Soc*. 2005 Oct; 53(10):1675-80. PMID: 16181165
85. Il'yasova D, Colbert LH, Harris TB, Newman AB, **Bauer DC**, Satterfield S, Kritchevsky SB. Circulating levels of inflammatory markers and cancer risk in the health aging and body composition cohort. *Cancer Epidemiol Biomarkers Prev*. 2005 Oct; 14(10):2413-8. PMID: 16214925
86. Rodondi N, Vittinghoff E, Cornuz J, Butler J, Ding J, Satterfield S, Newman AB, Harris TB, Hulley SB, **Bauer DC**. Aspirin use for the primary prevention of coronary heart disease in older adults. *Am J Med*. 2005 Nov; 118(11):1288. PMID: 16271917
87. Daniels NA, Ewing SK, Zmuda JM, Wilt TJ, **Bauer DC**. Correlates and prevalence of prostatitis in a large community-based cohort of older men. *Urology*. 2005 Nov; 66(5):96470. PMID: 16286104
88. Rodondi N, Newman AB, Vittinghoff E, de Rekeneire N, Satterfield S, Harris TB, **Bauer DC**. Subclinical hypothyroidism and the risk of heart failure, other cardiovascular events, and death. *Arch Intern Med*. 2005 Nov 28; 165(21):2460-6. PMID: 16314541
89. Yende S, Waterer GW, Tolley EA, Newman AB, **Bauer DC**, Taaffe DR, Jensen R, Crapo R, Rubin S, Nevitt M, Simonsick EM, Satterfield S, Harris T, Kritchevsky SB. Inflammatory markers are associated with ventilatory limitation and muscle dysfunction in obstructive lung disease in well functioning elderly subjects. *Thorax*. 2006 Jan; 61(1):10-6. PMID: 16284220.
90. **Bauer DC**, Garnero P, Hochberg MC, Santora A, Delmas P, Ewing SK, Black DM. Pretreatment levels of bone turnover and the antifracture efficacy of alendronate: the fracture intervention trial. *J Bone Miner Res*. 2006 Feb; 21(2):292-9. PMID: 16418785
91. Kraemer DF, Nelson HD, **Bauer DC**, Helfand M. Economic comparison of diagnostic approaches for evaluating osteoporosis in older women. *Osteoporos Int*. 2006 Jan; 17(1):68-76. PMID: 15889313
92. **Bauer DC**, Garnero P, Bilezikian JP, Greenspan SL, Ensrud KE, Rosen CJ, Palermo L, Black DM. Short-term changes in bone turnover markers and bone mineral density response to parathyroid hormone in postmenopausal women with osteoporosis. *J Clin Endocrinol Metab*. 2006 Apr; 91(4):1370-5. PMID: 16449339
93. Butler J, Rodondi N, Zhu Y, Figaro K, Fazio S, Vaughan DE, Satterfield S, Newman AB, Goodpaster B, **Bauer DC**, Holvoet P, Harris TB, de Rekeneire N, Rubin S, Ding J, Kritchevsky SB. Metabolic syndrome and the risk of cardiovascular disease in older adults. *J Am Coll Cardiol*. 2006 Apr 18; 47(8):1595-602. PMID: 16630996

94. Rodondi N, Peng T, Karter AJ, **Bauer DC**, Vittinghoff E, Tang S, Pettitt D, Kerr EA, Selby JV. Therapy modifications in response to poorly controlled hypertension, dyslipidemia, and diabetes mellitus. *Ann Intern Med.* 2006 Apr 4; 144(7):475-84. PMID: 16585661.
95. Jamal SA, Gilbert J, Gordon C, **Bauer DC**. Cortical pQCT measures are associated with fractures in dialysis patients. *J Bone Miner Res.* 2006 Apr; 21(4):543-8. PMID: 16598374
96. Cauley JA, McTiernan A, Rodabough RJ, LaCroix A, **Bauer DC**, Margolis KL, Paskett ED, Vitolins MZ, Furberg CD, Chlebowski RT. Statin use and breast cancer: prospective results from the Women's Health Initiative. *J Natl Cancer Inst.* 2006 May 17; 98(10):700-7. PMID: 16705124
97. Ryder KM, Shorr RI, Tylavsky FA, Bush AJ, **Bauer DC**, Simonsick EM, Strotmeyer ES, Harris TB. Correlates of use of antifracture therapy in older women with low bone mineral density. *J Gen Intern Med.* 2006 Jun; 21(6):636-41. PMID: 16808749.
98. **Bauer DC**, Hunter DJ, Abramson SB, Attur M, Corr M, Felson D, Heinegård D, Jordan JM, Kepler TB, Lane NE, Saxne T, Tyree B, Kraus VB. Classification of osteoarthritis biomarkers: a proposed approach. *Osteoarthritis Cartilage.* 2006 Aug; 14(8):723-7. PMID: 16733093
99. Jamal SA, Leiter RE, Jassal V, Hamilton CJ, **Bauer DC**. Impaired muscle strength is associated with fractures in hemodialysis patients. *Osteoporos Int.* 2006; 17(9):1390-7. PMID: 16799753
100. Rodondi N, Aujesky D, Vittinghoff E, Cornuz J, **Bauer DC**. Subclinical hypothyroidism and the risk of coronary heart disease: a meta-analysis. *Am J Med.* 2006 Jul; 119(7):541-51. PMID: 16828622
101. Manini TM, Everhart JE, Patel KV, Schoeller DA, Colbert LH, Visser M, Tylavsky F, **Bauer DC**, Goodpaster BH, Harris TB. Daily activity energy expenditure and mortality among older adults. *JAMA.* 2006 Jul 12; 296(2):171-9. PMID: 16835422
102. Stone KL, Ewing SK, Lui LY, Ensrud KE, Ancoli-Israel S, **Bauer DC**, Cauley JA, Hillier TA, Cummings SR. Self-reported sleep and nap habits and risk of falls and fractures in older women: the study of osteoporotic fractures. *J Am Geriatr Soc.* 2006 Aug; 54(8):1177-83. PMID: 16913982
103. Farhat GN, Strotmeyer ES, Newman AB, Sutton-Tyrrell K, **Bauer DC**, Harris T, Johnson KC, Taaffe DR, Cauley JA. Volumetric and areal bone mineral density measures are associated with cardiovascular disease in older men and women: the health, aging, and body composition study. *Calcif Tissue Int.* 2006 Aug; 79(2):102-11. PMID: 16927045
104. Vittinghoff E, **Bauer DC**. Case-only analysis of treatment-covariate interactions in clinical trials. *Biometrics.* 2006 Sep; 62(3):769-76. PMID: 16984319
105. 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 Oct; 68(4):804-9. PMID: 17070357
106. **Bauer DC**. Review: human parathyroid hormone reduces fractures and increases bone mineral density in severe osteoporosis. *ACP J Club.* 2006 Nov-Dec; 145(3):71. PMID: 17080983

107. Tice JA, Kanaya A, Hue T, Rubin S, Buist DS, Lacroix A, Lacey JV, Cauley JA, Litwack S, Brinton LA, **Bauer DC**. Risk factors for mortality in middle-aged women. *Arch Intern Med*. 2006 Dec 11-25; 166(22):2469-77. PMID: 17159012
108. Black DM, Schwartz AV, Ensrud KE, Cauley JA, Levis S, Quandt SA, Satterfield S, Wallace RB, **Bauer DC**, Palermo L, Wehren LE, Lombardi A, Santora AC, Cummings SR. Effects of continuing or stopping alendronate after 5 years of treatment: the Fracture Intervention Trial Long-term Extension (FLEX): a randomized trial. *JAMA*. 2006 Dec 27; 296(24):2927-38. PMID: 17190893
109. Hunter DJ, Lavalley M, Li J, Zhang Y, **Bauer D**, Nevitt M, Guermazi A, Degroot J, Sakkee N, Gale D, Felson DT. Urinary pentosidine does not predict cartilage loss among subjects with symptomatic knee OA: the BOKS Study. *Osteoarthritis Cartilage*. 2007 Jan; 15(1):937. PMID: 16857393
110. Schousboe JT, **Bauer DC**, Nyman JA, Kane RL, Melton LJ, Ensrud KE. Potential for bone turnover markers to cost-effectively identify and select post-menopausal osteopenic women at high risk of fracture for bisphosphonate therapy. *Osteoporos Int*. 2007 Feb; 18(2):201-10. PMID: 17019515
111. Hunter DJ, Li J, LaValley M, **Bauer DC**, Nevitt M, DeGroot J, Poole R, Eyre D, Guermazi A, Gale D, Felson DT. Cartilage markers and their association with cartilage loss on magnetic resonance imaging in knee osteoarthritis: the Boston Osteoarthritis Knee Study. *Arthritis Res Ther*. 2007; 9(5):R108. PMID: 17958892.
112. Shaffer JR, Kammerer CM, Reich D, McDonald G, Patterson N, Goodpaster B, **Bauer DC**, Li J, Newman AB, Cauley JA, Harris TB, Tyllavsky F, Ferrell RE, Zmuda JM. Genetic markers for ancestry are correlated with body composition traits in older African Americans. *Osteoporos Int*. 2007 Jun; 18(6):733-41. PMID: 17235662
113. Hillier TA, Stone KL, **Bauer DC**, Rizzo JH, Pedula KL, Cauley JA, Ensrud KE, Hochberg MC, Cummings SR. Evaluating the value of repeat bone mineral density measurement and prediction of fractures in older women: the study of osteoporotic fractures. *Arch Intern Med*. 2007 Jan 22; 167(2):155-60. PMID: 17242316
114. **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 Jun; 18(6):771-7. PMID: 17273893
115. Patel KV, Harris TB, Faulhaber M, Angleman SB, Connelly S, **Bauer DC**, Kuller LH, Newman AB, Guralnik JM. Racial variation in the relationship of anemia with mortality and mobility disability among older adults. *Blood*. 2007 Jun 1; 109(11):4663-70. PMID: 17284526.
116. Rodondi N, Taylor BC, **Bauer DC**, Lui LY, Vogt MT, Fink HA, Browner WS, Cummings SR, Ensrud KE. Association between aortic calcification and total and cardiovascular mortality in older women. *J Intern Med*. 2007 Mar; 261(3):238-44. PMID: 17305646
117. Hegewald MJ, Lefor MJ, Jensen RL, Crapo RO, Kritchevsky SB, Haggerty CL, **Bauer DC**, Satterfield S, Harris T. Peak expiratory flow is not a quality indicator for spirometry: peak expiratory flow variability and FEV1 are poorly correlated in an elderly population. *Chest*. 2007 May; 131(5):1494-9. PMID: 17400677

118. **Bauer DC**, Rodondi N, Stone KL, Hillier TA. Thyroid hormone use, hyperthyroidism and mortality in older women. *Am J Med.* 2007 Apr; 120(4):343-9. PMID: 17398229
119. Jamal SA, **Bauer DC**, Ensrud KE, Cauley JA, Hochberg M, Ishani A, Cummings SR. Alendronate treatment in women with normal to severely impaired renal function: an analysis of the fracture intervention trial. *J Bone Miner Res.* 2007 Apr; 22(4):503-8. PMID: 17243862
120. Huang A, Grady D, Blackwell T, **Bauer D**. Hot flushes, bone mineral density, and fractures in older postmenopausal women. *Obstet Gynecol.* 2007 Apr; 109(4):841-7. PMID: 17400844
121. Yende S, Angus DC, Ali IS, Somes G, Newman AB, **Bauer D**, Garcia M, Harris TB, Kritchevsky SB. Influence of comorbid conditions on long-term mortality after pneumonia in older people. *J Am Geriatr Soc.* 2007 Apr; 55(4):518-25. PMID: 17397429
122. Li R, Nicklas B, Pahor M, Newman A, Sutton-Tyrrell K, Harris T, Lakatta E, **Bauer DC**, Ding J, Satterfield S, Kritchevsky SB. Polymorphisms of angiotensinogen and angiotensin converting enzyme associated with lower extremity arterial disease in the Health, Aging and Body Composition study. *J Hum Hypertens.* 2007 Aug; 21(8):673-82. PMID: 17429448
123. Hilmer SN, Mager DE, Simonsick EM, Cao Y, Ling SM, Windham BG, Harris TB, Hanlon JT, Rubin SM, Shorr RI, **Bauer DC**, Abernethy DR. A drug burden index to define the functional burden of medications in older people. *Arch Intern Med.* 2007 Apr 23; 167(8):781-7. PMID: 17452540
124. Reeves KW, Faulkner K, Modugno F, Hillier TA, **Bauer DC**, Ensrud KE, Cauley JA. Body mass index and mortality among older breast cancer survivors in the Study of Osteoporotic Fractures. *Cancer Epidemiol Biomarkers Prev.* 2007 Jul; 16(7):1468-73. PMID: 17627012
125. Schousboe JT, Taylor BC, Fink HA, Kane RL, Cummings SR, Orwoll ES, Melton LJ, **Bauer DC**, Ensrud KE. Cost-effectiveness of bone densitometry followed by treatment of osteoporosis in older men. *JAMA.* 2007 Aug 8; 298(6):629-37. PMID: 17684185
126. 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 Nov 28; 298(20):2381-8. PMID: 18042915
127. Chaganti RK, Kelman A, Lui L, Yao W, Javaid MK, **Bauer D**, Nevitt M, Lane NE. Change in serum measurements of cartilage oligomeric matrix protein and association with the development and worsening of radiographic hip osteoarthritis. *Osteoarthritis Cartilage.* 2008 May; 16(5):566-71. PMID: 17950630.
128. Bauer DC, Vittinghof E. Optimal thresholds, linear or nonlinear relationships of fracture risk reduction with therapy. *J Bone Miner Res.* 2008 Aug; 23(8):1349; author reply 1350. PMID: 18348693
129. **Bauer DC**. Randomized trial reporting in general endocrine journals: the good, the bad, and the ugly. *J Clin Endocrinol Metab.* 2008 Oct; 93(10):3733-4. PMID: 18842985
130. 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 May; 19(5):615-23. PMID: 18038109.

131. Krieg MA, Barkmann R, Gonnelli S, Stewart A, **Bauer DC**, Del Rio Barquero L, Kaufman JJ, Lorenc R, Miller PD, Olszynski WP, Poiana C, Schott AM, Lewiecki EM, Hans D. Quantitative ultrasound in the management of osteoporosis: the 2007 ISCD Official Positions. *J Clin Densitom.* 2008 Jan-Mar; 11(1):163-87. PMID: 18442758
132. Neogi T, Nevitt MC, Ensrud KE, **Bauer D**, Felson DT. The effect of alendronate on progression of spinal osteophytes and disc-space narrowing. *Ann Rheum Dis.* 2008 Oct; 67(10):1427-30. PMID: 18276744
133. Lee JS, LaCroix AZ, Wu L, Cauley JA, Jackson RD, Kooperberg C, Leboff MS, Robbins J, Lewis CE, **Bauer DC**, Cummings SR. Associations of serum sex hormone-binding globulin and sex hormone concentrations with hip fracture risk in postmenopausal women. *J Clin Endocrinol Metab.* 2008 May; 93(5):1796-803. PMID: 18334588.
134. You T, Nicklas BJ, Ding J, Penninx BW, Goodpaster BH, **Bauer DC**, Tylavsky FA, Harris TB, Kritchevsky SB. The metabolic syndrome is associated with circulating adipokines in older adults across a wide range of adiposity. *J Gerontol A Biol Sci Med Sci.* 2008 Apr; 63(4):414-9. PMID: 18426966
135. Huang AJ, Grady D, Jacoby VL, Blackwell TL, **Bauer DC**, Sawaya GF. Persistent hot flashes in older postmenopausal women. *Arch Intern Med.* 2008 Apr 28; 168(8):840-6. PMID: 18443259
136. Ryder KM, Cummings SR, Palermo L, Satterfield S, **Bauer DC**, Feldstein AC, Schousboe JT, Schwartz AV, Ensrud K. Does a history of non-vertebral fracture identify women without osteoporosis for treatment? *J Gen Intern Med.* 2008 Aug; 23(8):1177-81. PMID: 18459010.
137. Ochs N, Auer R, **Bauer DC**, Nanchen D, Gussekloo J, Cornuz J, Rodondi N. Metaanalysis: subclinical thyroid dysfunction and the risk for coronary heart disease and mortality. *Ann Intern Med.* 2008 Jun 3; 148(11):832-45. PMID: 18490668
138. 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 Jul; 56(7):1171-6. PMID: 18547361.
139. Butler J, Kalogeropoulos A, Georgiopoulou V, Belue R, Rodondi N, Garcia M, **Bauer DC**, Satterfield S, Smith AL, Vaccarino V, Newman AB, Harris TB, Wilson PW, Kritchevsky SB. Incident heart failure prediction in the elderly: the health ABC heart failure score. *Circ Heart Fail.* 2008 Jul; 1(2):125-33. PMID: 19777072.
140. LaCroix AZ, Lee JS, Wu L, Cauley JA, Shlipak MG, Ott SM, Robbins J, Curb JD, Leboff M, **Bauer DC**, Jackson RD, Kooperberg CL, Cummings SR. Cystatin-C, renal function, and incidence of hip fracture in postmenopausal women. *J Am Geriatr Soc.* 2008 Aug; 56(8):1434-41. PMID: 18662213.
141. Cauley JA, Lacroix AZ, Wu L, Horwitz M, Danielson ME, **Bauer DC**, Lee JS, Jackson RD, Robbins JA, Wu C, Stanczyk FZ, LeBoff MS, Wactawski-Wende J, Sarto G, Ockene J, Cummings SR. Serum 25-hydroxyvitamin D concentrations and risk for hip fractures. *Ann Intern Med.* 2008 Aug 19; 149(4):242-50. PMID: 18711154.
142. Hunter DJ, Lavalley M, Li J, **Bauer DC**, Nevitt M, DeGroot J, Poole R, Eyre D, Guermazi A, Gale D, Totterman S, Felson DT. Biochemical markers of bone turnover and their association with bone marrow lesions. *Arthritis Res Ther.* 2008; 10(4):R102. PMID: 18759975.

143. Garnero P, **Bauer DC**, Mareau E, Bilezikian JP, Greenspan SL, Rosen C, Black D. Effects of PTH and alendronate on type I collagen isomerization in postmenopausal women with osteoporosis: the PaTH study. *J Bone Miner Res*. 2008 Sep; 23(9):1442-8. PMID: 18442311.
144. Yu EW, Blackwell T, Ensrud KE, Hillier TA, Lane NE, Orwoll E, **Bauer DC**. Acidsuppressive medications and risk of bone loss and fracture in older adults. *Calcif Tissue Int*. 2008 Oct; 83(4):251-9. PMID: 18813868.
145. Rodondi N, **Bauer DC**, Cappola AR, Cornuz J, Robbins J, Fried LP, Ladenson PW, Vittinghoff E, Gottdiener JS, Newman AB. Subclinical thyroid dysfunction, cardiac function, and the risk of heart failure. The Cardiovascular Health study. *J Am Coll Cardiol*. 2008 Sep 30; 52(14):1152-9. PMID: 18804743.
146. 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 Nov; 63(11):1227-34. PMID: 19038838.
147. Rodondi N, Newman AB, Cappola AR, **Bauer DC**. Association between subclinical hypothyroidism and coronary heart disease in 2006. *Int J Cardiol*. 2009 Feb 6; 132(1):1278; author reply 128-9. PMID: 18031844
148. **Bauer DC**. Bone: Does TSH concentration influence skeletal health? *Nat Rev Endocrinol*. 2009 May; 5(5):245-6. PMID: 19444254
149. 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 Jan; 18(1):14854. PMID: 19124492.
150. Leboff MS, Narweker R, LaCroix A, Wu L, Jackson R, Lee J, **Bauer DC**, Cauley J, Kooperberg C, Lewis C, Thomas AM, Cummings S. Homocysteine levels and risk of hip fracture in postmenopausal women. *J Clin Endocrinol Metab*. 2009 Apr; 94(4):1207-13. PMID: 19174498.
151. Wright RM, Roumani YF, Boudreau R, Newman AB, Ruby CM, Studenski SA, Shorr RI, **Bauer DC**, Simonsick EM, Hilmer SN, Hanlon JT. Effect of central nervous system medication use on decline in cognition in community-dwelling older adults: findings from the Health, Aging And Body Composition Study. *J Am Geriatr Soc*. 2009 Feb; 57(2):24350. PMID: 19207141.
152. Cesari M, Kritchevsky SB, Newman AB, Simonsick EM, Harris TB, Penninx BW, Brach JS, Tylavsky FA, Satterfield S, **Bauer DC**, Rubin SM, Visser M, Pahor M. Added value of physical performance measures in predicting adverse health-related events: results from the Health, Aging And Body Composition Study. *J Am Geriatr Soc*. 2009 Feb; 57(2):251-9. PMID: 19207142.
153. Hanlon JT, Boudreau RM, Roumani YF, Newman AB, Ruby CM, Wright RM, Hilmer SN, Shorr RI, **Bauer DC**, Simonsick EM, Studenski SA. Number and dosage of central nervous system medications on recurrent falls in community elders: the Health, Aging and Body Composition study. *J Gerontol A Biol Sci Med Sci*. 2009 Apr; 64(4):492-8. PMID: 19196642.

154. Stone KL, Ewing SK, Ancoli-Israel S, Ensrud KE, Redline S, **Bauer DC**, Cauley JA, Hillier TA, Cummings SR. Self-reported sleep and nap habits and risk of mortality in a large cohort of older women. *J Am Geriatr Soc.* 2009 Apr; 57(4):604-11. PMID: 19220560.
155. Ix JH, Wassel CL, **Bauer DC**, Toroian D, Tylavsky FA, Cauley JA, Harris TB, Price PA, Cummings SR, Shlipak MG. Fetuin-A and BMD in older persons: the Health Aging and Body Composition (Health ABC) study. *J Bone Miner Res.* 2009 Mar; 24(3):514-21. PMID: 19016589.
156. Donaldson MG, Cawthon PM, Lui LY, Schousboe JT, Ensrud KE, Taylor BC, Cauley JA, Hillier TA, Black DM, **Bauer DC**, Cummings SR. Estimates of the proportion of older white women who would be recommended for pharmacologic treatment by the new U.S. National Osteoporosis Foundation Guidelines. *J Bone Miner Res.* 2009 Apr; 24(4):675-80. PMID: 19049330.
157. Kalogeropoulos A, Georgiopoulou V, Kritchevsky SB, Psaty BM, Smith NL, Newman AB, Rodondi N, Satterfield S, **Bauer DC**, Bibbins-Domingo K, Smith AL, Wilson PW, Vasani RS, Harris TB, Butler J. Epidemiology of incident heart failure in a contemporary elderly cohort: the health, aging, and body composition study. *Arch Intern Med.* 2009 Apr 13; 169(7):70815. PMID: 19365001.
158. Manini TM, Everhart JE, Patel KV, Schoeller DA, Cummings S, Mackey DC, **Bauer DC**, Simonsick EM, Colbert LH, Visser M, Tylavsky F, Newman AB, Harris TB. Activity energy expenditure and mobility limitation in older adults: differential associations by sex. *Am J Epidemiol.* 2009 Jun 15; 169(12):1507-16. PMID: 19383938.
159. Schwartz AV, Garnero P, Hillier TA, Sellmeyer DE, Strotmeyer ES, Feingold KR, Resnick HE, Tylavsky FA, Black DM, Cummings SR, Harris TB, **Bauer DC**. Pentosidine and increased fracture risk in older adults with type 2 diabetes. *J Clin Endocrinol Metab.* 2009 Jul; 94(7):2380-6. PMID: 19383780.
160. Kalogeropoulos A, Georgiopoulou V, Harris TB, Kritchevsky SB, **Bauer DC**, Smith AL, Strotmeyer E, Newman AB, Wilson PW, Psaty BM, Butler J. Glycemic status and incident heart failure in elderly without history of diabetes mellitus: the health, aging, and body composition study. *J Card Fail.* 2009 Sep; 15(7):593-9. PMID: 19700136.
161. Cauley JA, Lui LY, Genant HK, Salamone L, Browner W, Fink HA, Cohen P, Hillier T, **Bauer DC**, Cummings SR. Risk factors for severity and type of the hip fracture. *J Bone Miner Res.* 2009 May; 24(5):943-55. PMID: 19113930.
162. Bell KJ, Hayen A, Macaskill P, Irwig L, Craig JC, Ensrud K, **Bauer DC**. Value of routine monitoring of bone mineral density after starting bisphosphonate treatment: secondary analysis of trial data. *BMJ.* 2009; 338:b2266. PMID: 19549996.
163. Boudreau RM, Hanlon JT, Roumani YF, Studenski SA, Ruby CM, Wright RM, Hilmer SN, Shorr RI, **Bauer DC**, Simonsick EM, Newman AB. Central nervous system medication use and incident mobility limitation in community elders: the Health, Aging, and Body Composition study. *Pharmacoepidemiol Drug Saf.* 2009 Oct; 18(10):916-22. PMID: 19585466.
164. Manini TM, Everhart JE, Anton SD, Schoeller DA, Cummings SR, Mackey DC, Delmonico MJ, **Bauer DC**, Simonsick EM, Colbert LH, Visser M, Tylavsky F, Newman AB, Harris TB. Activity energy expenditure and change in body composition in late life. *Am J Clin Nutr.* 2009 Nov; 90(5):1336-42. PMID: 19740971.

165. Danese MD, Badamgarav E, **Bauer DC**. Effect of adherence on lifetime fractures in osteoporotic women treated with daily and weekly bisphosphonates. *J Bone Miner Res*. 2009 Nov; 24(11):1819-26. PMID: 19419313
166. Davison KS, Kendler DL, Ammann P, **Bauer DC**, Dempster DW, Dian L, Hanley DA, Harris ST, McClung MR, Olszynski WP, Yuen CK. Assessing fracture risk and effects of osteoporosis drugs: bone mineral density and beyond. *Am J Med*. 2009 Nov; 122(11):9927. PMID: 19854322
167. Simonsick EM, Newman AB, Ferrucci L, Satterfield S, Harris TB, Rodondi N, **Bauer DC**. Subclinical hypothyroidism and functional mobility in older adults. *Arch Intern Med*. 2009 Nov 23; 169(21):2011-7. PMID: 19933964.
168. Hilmer SN, Mager DE, Simonsick EM, Ling SM, Windham BG, Harris TB, Shorr RI, **Bauer DC**, Abernethy DR. Drug burden index score and functional decline in older people. *Am J Med*. 2009 Dec; 122(12):1142-1149.e1-2. PMID: 19958893.
169. **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 Dec; 24(12):2032-8. PMID: 19453262.
170. Cauley JA, LaCroix AZ, Robbins JA, Larson J, Wallace R, Wactawski-Wende J, Chen Z, **Bauer DC**, Cummings SR, Jackson R. Baseline serum estradiol and fracture reduction during treatment with hormone therapy: the Women's Health Initiative randomized trial. *Osteoporos Int*. 2010 Jan; 21(1):167-77. PMID: 19436934.
171. Lee JS, Buzková P, Fink HA, Vu J, Carbone L, Chen Z, Cauley J, **Bauer DC**, Cappola AR, Robbins J. Subclinical thyroid dysfunction and incident hip fracture in older adults. *Arch Intern Med*. 2010 Nov 22; 170(21):1876-83. PMID: 21098345.
172. Schafer AL, Vittinghoff E, Ramachandran R, Mahmoudi N, **Bauer DC**. Laboratory reproducibility of biochemical markers of bone turnover in clinical practice. *Osteoporos Int*. 2010 Mar; 21(3):439-45. PMID: 19506793.
173. Watts NB, Siris ES, Cummings SR, **Bauer DC**. Watts NB, Siris ES, Cummings SR, Bauer DC. Filtering FRAX. *Osteoporos Int*. 2010 Apr; 21(4):537-41. PMID: 20151300
174. Bell KJ, Hayen A, Irwig L, Macaskill P, Craig JC, Ensrud KE, **Bauer DC**. The value of routine BMD monitoring after starting bisphosphonate treatment. *J Bone Miner Res*. 2010 Jan; 25(1):173-4. PMID: 19929431
175. **Bauer DC**. Bisphosphonate use and atypical femoral fractures: getting down to brass tacks. *J Clin Endocrinol Metab*. 2010 Dec; 95(12):5207-9. PMID: 21131542
176. Klepin HD, Geiger AM, Tooze JA, Newman AB, Colbert LH, **Bauer DC**, Satterfield S, Pavon J, Kritchevsky SB. Physical performance and subsequent disability and survival in older adults with malignancy: results from the health, aging and body composition study. *J Am Geriatr Soc*. 2010 Jan; 58(1):76-82. PMID: 20122042.
177. Parker BD, **Bauer DC**, Ensrud KE, Ix JH. Association of osteocalcin and abdominal aortic calcification in older women: the study of osteoporotic fractures. *Calcif Tissue Int*. 2010 Mar; 86(3):185-91. PMID: 20094707.
178. Rodondi N, Marques-Vidal P, Butler J, Sutton-Tyrrell K, Cornuz J, Satterfield S, Harris T, **Bauer DC**, Ferrucci L, Vittinghoff E, Newman AB. Markers of atherosclerosis and

- inflammation for prediction of coronary heart disease in older adults. *Am J Epidemiol.* 2010 Mar 1; 171(5):540-9. PMID: 20110287.
179. Mehrotra N, Freire AX, **Bauer DC**, Harris TB, Newman AB, Kritchevsky SB, Meibohm B. Predictors of mortality in elderly subjects with obstructive airway disease: the PILE score. *Ann Epidemiol.* 2010 Mar; 20(3):223-32. PMID: 20159492.
 180. Lang T, Cauley JA, Tylavsky F, **Bauer D**, Cummings S, Harris TB. Computed tomographic measurements of thigh muscle cross-sectional area and attenuation coefficient predict hip fracture: the health, aging, and body composition study. *J Bone Miner Res.* 2010 Mar; 25(3):513-9. PMID: 20422623.
 181. 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 Mar; 25(3):545-53. PMID: 19775201.
 182. Tang JY, Parimi N, Wu A, Boscardin WJ, Shikany JM, Chren MM, Cummings SR, Epstein EH, **Bauer DC**. Inverse association between serum 25(OH) vitamin D levels and nonmelanoma skin cancer in elderly men. *Cancer Causes Control.* 2010 Mar; 21(3):387-91. PMID: 19921445.
 183. 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. PMID: 20231246.
 184. Black DM, Kelly MP, Genant HK, Palermo L, Eastell R, Bucci-Rechtweg C, Cauley J, Leung PC, Boonen S, Santora A, de Papp A, **Bauer DC**. Bisphosphonates and fractures of the subtrochanteric or diaphyseal femur. *N Engl J Med.* 2010 May 13; 362(19):1761-71. PMID: 20335571
 185. 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 May; 183(5):1915-20. PMID: 20303101.
 186. 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 Aug; 21(8):1297-303. PMID: 20383574.
 187. Schwartz AV, **Bauer DC**, Cummings SR, Cauley JA, Ensrud KE, Palermo L, Wallace RB, Hochberg MC, Feldstein AC, Lombardi A, Black DM. Efficacy of continued alendronate for fractures in women with and without prevalent vertebral fracture: the FLEX trial. *J Bone Miner Res.* 2010 May; 25(5):976-82. PMID: 20200926
 188. Parimi N, Lane NE, **Bauer D**, Hochberg MC, Nevitt MC. Accuracy of self-reported diagnosis of hip replacement. *Arthritis Care Res (Hoboken).* 2010 May; 62(5):719-24. PMID: 20191473.
 189. Daniels NA, Nielson CM, Hoffman AR, **Bauer DC**. Sex hormones and the risk of incident prostate cancer. *Urology.* 2010 Nov; 76(5):1034-40. PMID: 20451981.
 190. Kalogeropoulos A, Georgiopoulou V, Psaty BM, Rodondi N, Smith AL, Harrison DG, Liu Y, Hoffmann U, **Bauer DC**, Newman AB, Kritchevsky SB, Harris TB, Butler J. Inflammatory markers and incident heart failure risk in older adults: the Health ABC (Health, Aging, and

- Body Composition) study. *J Am Coll Cardiol*. 2010 May 11; 55(19):2129-37. PMID: 20447537.
191. 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 Sep; 95(9):4314-23. PMID: 20554716.
 192. 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 Jul; 25(7):1506-11. PMID: 20200971.
 193. 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 Oct; 95(10):4625-34. PMID: 20631024.
 194. Gopal DM, Kalogeropoulos AP, Georgiopoulou VV, Tang WW, Methvin A, Smith AL, **Bauer DC**, Newman AB, Kim L, Harris TB, Kritchevsky SB, Butler J. Serum albumin concentration and heart failure risk The Health, Aging, and Body Composition Study. *Am Heart J*. 2010 Aug; 160(2):279-85. PMID: 20691833.
 195. Ruby CM, Hanlon JT, Boudreau RM, Newman AB, Simonsick EM, Shorr RI, **Bauer DC**, Resnick NM. The effect of medication use on urinary incontinence in community-dwelling elderly women. *J Am Geriatr Soc*. 2010 Sep; 58(9):1715-20. PMID: 20670377.
 196. Rodondi N, den Elzen WP, **Bauer DC**, Cappola AR, Razvi S, Walsh JP, Asvold BO, Iervasi G, Imaizumi M, Collet TH, Bremner A, Maisonneuve P, Sgarbi JA, Khaw KT, Vanderpump MP, Newman AB, Cornuz J, Franklyn JA, Westendorp RG, Vittinghoff E, Gussekloo J. Subclinical hypothyroidism and the risk of coronary heart disease and mortality. *JAMA*. 2010 Sep 22; 304(12):1365-74. PMID: 20858880.
 197. Yende S, van der Poll T, Lee M, Huang DT, Newman AB, Kong L, Kellum JA, Harris TB, **Bauer D**, Satterfield S, Angus DC. The influence of pre-existing diabetes mellitus on the host immune response and outcome of pneumonia: analysis of two multicentre cohort studies. *Thorax*. 2010 Oct; 65(10):870-7. PMID: 20861291.
 198. Watson NL, Sutton-Tyrrell K, Youk AO, Boudreau RM, Mackey RH, Simonsick EM, Rosano C, Hardy SE, Windham BG, Harris TB, Najjar SS, Lakatta EG, Atkinson HH, Johnson KC, **Bauer DC**, Newman AB, Nemwan AB. Arterial stiffness and gait speed in older adults with and without peripheral arterial disease. *Am J Hypertens*. 2011 Jan; 24(1):90-5. PMID: 20940711.
 199. **Bauer DC**. Discontinuation of odanacatib and other osteoporosis treatments: here today and gone tomorrow? *J Bone Miner Res*. 2011 Feb; 26(2):239-41. PMID: 21254231
 200. Schafer AL, Palermo L, **Bauer DC**, Bilezikian JP, Sellmeyer DE, Black DM. Consistency of bone turnover marker and calcium responses to parathyroid hormone (1-84) therapy in postmenopausal osteoporosis. *J Clin Densitom*. 2011 Jan-Mar; 14(1):68-73. PMID: 21095149

201. 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 Jan; 26(1):63-71. PMID: 20593412.
202. **Bauer DC**. FRAX, falls, and fracture prediction: predicting the future. *Arch Intern Med*. 2011 Oct 10; 171(18):1661-2. PMID: 21987196
203. 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 Feb; 59(2):233-40. PMID: 21288234.
204. Curtis JR, Delzell E, Chen L, Black D, Ensrud K, Judd S, Safford MM, Schwartz AV, **Bauer DC**. The relationship between bisphosphonate adherence and fracture: is it the behavior or the medication? Results from the placebo arm of the fracture intervention trial. *J Bone Miner Res*. 2011 Apr; 26(4):683-8. PMID: 20939064.
205. Georgiopoulou VV, Kalogeropoulos AP, Psaty BM, Rodondi N, **Bauer DC**, Butler AB, Koster A, Smith AL, Harris TB, Newman AB, Kritchevsky SB, Butler J. Lung function and risk for heart failure among older adults: the Health ABC Study. *Am J Med*. 2011 Apr; 124(4):334-41. PMID: 21435424.
206. Manini TM, Patel KV, **Bauer DC**, Ziv E, Schoeller DA, Mackey DC, Li R, Newman AB, Nalls M, Zmuda JM, Harris TB. European ancestry and resting metabolic rate in older African Americans. *Eur J Clin Nutr*. 2011 Jun; 65(6):663-7. PMID: 21468093.
207. Rossi AP, Watson NL, Newman AB, Harris TB, Kritchevsky SB, **Bauer DC**, Satterfield S, Goodpaster BH, Zamboni M. Effects of body composition and adipose tissue distribution on respiratory function in elderly men and women: the health, aging, and body composition study. *J Gerontol A Biol Sci Med Sci*. 2011 Jul; 66(7):801-8. PMID: 21498841.
208. Yu EW, Bauer SR, Bain PA, **Bauer DC**. Proton pump inhibitors and risk of fractures: a meta-analysis of 11 international studies. *Am J Med*. 2011 Jun; 124(6):519-26. PMID: 21605729.
209. 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 Jun 1; 305(21):2184-92. PMID: 21632482.
210. Shea MK, Houston DK, Tooze JA, Davis CC, Johnson MA, Hausman DB, Cauley JA, **Bauer DC**, Tylavsky F, Harris TB, Kritchevsky SB. Correlates and prevalence of insufficient 25-hydroxyvitamin D status in black and white older adults: the health, aging and body composition study. *J Am Geriatr Soc*. 2011 Jul; 59(7):1165-74. PMID: 21668915.
211. van den Borst B, Koster A, Yu B, Gosker HR, Meibohm B, **Bauer DC**, Kritchevsky SB, Liu Y, Newman AB, Harris TB, Schols AM. Is age-related decline in lean mass and physical function accelerated by obstructive lung disease or smoking? *Thorax*. 2011 Nov; 66(11):961-9. PMID: 21724748.
212. Lewiecki EM, Compston JE, Miller PD, Adachi JD, Adams JE, Leslie WD, Kanis JA, Moayyeri A, Adler RA, Hans DB, Kendler DL, Diez-Perez A, Krieg MA, Masri BK, Lorenc RR, **Bauer DC**, Blake GM, Josse RG, Clark P, Khan AA. Official Positions for FRAX®

- Bone Mineral Density and FRAX® simplification from Joint Official Positions Development Conference of the International Society for Clinical Densitometry and International Osteoporosis Foundation on FRAX®. *J Clin Densitom.* 2011 Jul-Sep; 14(3):226-36. PMID: 21810530
213. Barbour KE, Zmuda JM, Boudreau R, Strotmeyer ES, Horwitz MJ, Evans RW, Kanaya AM, Harris TB, **Bauer DC**, Cauley JA. Adipokines and the risk of fracture in older adults. *J Bone Miner Res.* 2011 Jul; 26(7):1568-76. PMID: 21312272.
214. 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 Dec; 60(6):1173-80. PMID: 21802828.
215. Hillier TA, Cauley JA, Rizzo JH, Pedula KL, Ensrud KE, **Bauer DC**, Lui LY, Vesco KK, Black DM, Donaldson MG, Leblanc ES, Cummings SR. WHO absolute fracture risk models (FRAX): do clinical risk factors improve fracture prediction in older women without osteoporosis? *J Bone Miner Res.* 2011 Aug; 26(8):1774-82. PMID: 21351144.
216. Donaldson MG, Cawthon PM, Schousboe JT, Ensrud KE, Lui LY, Cauley JA, Hillier TA, Taylor BC, Hochberg MC, **Bauer DC**, Cummings SR. Novel methods to evaluate fracture risk models. *J Bone Miner Res.* 2011 Aug; 26(8):1767-73. PMID: 21351143.
217. **Bauer DC**. ACP Journal Club. Current use of levothyroxine was associated with increased risk for fractures in patients = 70 years of age. *Ann Intern Med.* 2011 Sep 20; 155(6):JC3-5. PMID: 21930842
218. LeBlanc ES, Hillier TA, Pedula KL, Rizzo JH, Cawthon PM, Fink HA, Cauley JA, **Bauer DC**, Black DM, Cummings SR, Browner WS. Hip fracture and increased short-term but not long-term mortality in healthy older women. *Arch Intern Med.* 2011 Nov 14; 171(20):18317. PMID: 21949033.
219. Cauley JA, Danielson ME, Boudreau R, Barbour KE, Horwitz MJ, **Bauer DC**, Ensrud KE, Manson JE, Wactawski-Wende J, Shikany JM, Jackson RD. Serum 25-hydroxyvitamin D and clinical fracture risk in a multiethnic cohort of women: the Women's Health Initiative (WHI). *J Bone Miner Res.* 2011 Oct; 26(10):2378-88. PMID: 21710614.
220. Mackey DC, Black DM, **Bauer DC**, McCloskey EV, Eastell R, Mesenbrink P, Thompson JR, Cummings SR. Effects of antiresorptive treatment on nonvertebral fracture outcomes. *J Bone Miner Res.* 2011 Oct; 26(10):2411-8. PMID: 21710615
221. Marcum ZA, Perera S, Donohue JM, Boudreau RM, Newman AB, Ruby CM, Studenski SA, Kwoh CK, Simonsick EM, **Bauer DC**, Satterfield S, Hanlon JT. Analgesic use for knee and hip osteoarthritis in community-dwelling elders. *Pain Med.* 2011 Nov; 12(11):1628-36. PMID: 21992521.
222. Gray SL, Boudreau RM, Newman AB, Studenski SA, Shorr RI, **Bauer DC**, Simonsick EM, Hanlon JT. Angiotensin-converting enzyme inhibitor and statin use and incident mobility limitation in community-dwelling older adults: the Health, Aging and Body Composition study. *J Am Geriatr Soc.* 2011 Dec; 59(12):2226-32. PMID: 22092102.
223. Ensrud KE, Barbour K, Canales MT, Danielson ME, Boudreau RM, **Bauer DC**, Lacroix AZ, Ishani A, Jackson RD, Robbins JA, Cauley JA. Renal function and nonvertebral fracture

- risk in multiethnic women: the Women's Health Initiative (WHI). *Osteoporos Int.* 2012 Mar; 23(3):887-99. PMID: 21625880.
224. Black DM, **Bauer DC**, Schwartz AV, Cummings SR, Rosen CJ. Continuing bisphosphonate treatment for osteoporosis--for whom and for how long? *N Engl J Med.* 2012 May 31; 366(22):2051-3. PMID: 22571169.
225. Bentley AR, Kritchevsky SB, Harris TB, Holvoet P, Jensen RL, Newman AB, Lee JS, Yende S, **Bauer D**, Cassano PA. Dietary antioxidants and forced expiratory volume in 1 s decline: the Health, Aging and Body Composition study. *Eur Respir J.* 2012 Apr; 39(4):97984. PMID: 22005919.
226. 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 Aug; 23(8):2159-67. PMID: 22080379.
227. **Bauer DC**. Atypical femoral fracture risk in patients treated with bisphosphonates. *Arch Intern Med.* 2012 Jun 25; 172(12):936-7. PMID: 22732750.
228. Bell KJ, Hayen A, Irwig L, Hochberg MC, Ensrud KE, Cummings SR, **Bauer DC**. The potential value of monitoring bone turnover markers among women on alendronate. *J Bone Miner Res.* 2012 Jan; 27(1):195-201. PMID: 21956772
229. Hillier TA, Lui LY, Kado DM, LeBlanc ES, Vesco KK, **Bauer DC**, Cauley JA, Ensrud KE, Black DM, Hochberg MC, Cummings SR. Height loss in older women: risk of hip fracture and mortality independent of vertebral fractures. *J Bone Miner Res.* 2012 Jan; 27(1):153-9. PMID: 22072593.
230. Waring AC, Harrison S, Samuels MH, Ensrud KE, LeBlanc ES, 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 Mar; 97(3):862-70. PMID: 22238396.
231. Bentley AR, Kritchevsky SB, Harris TB, Newman AB, **Bauer DC**, Meibohm B, Clark AG, Cassano PA. Genetic variation in antioxidant enzymes and lung function. *Free Radic Biol Med.* 2012 May 1; 52(9):1577-83. PMID: 22387199.
232. Schousboe JT, **Bauer DC**. Clinical use of bone turnover markers to monitor pharmacologic fracture prevention therapy. *Curr Osteoporos Rep.* 2012 Mar; 10(1):56-63. PMID: 22286411.
233. Austin M, Yang YC, Vittinghoff E, Adami S, Boonen S, **Bauer DC**, Bianchi G, Bolognese MA, Christiansen C, Eastell R, Grauer A, Hawkins F, Kendler DL, Oliveri B, McClung MR, Reid IR, Siris ES, Zanchetta J, Zerbin CA, Libanati C, Cummings SR. Relationship between bone mineral density changes with denosumab treatment and risk reduction for vertebral and nonvertebral fractures. *J Bone Miner Res.* 2012 Mar; 27(3):687-93. PMID: 22095631.
234. 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 Jun; 97(6):1937-44. PMID: 22442276.
235. Rodondi N, Locatelli I, Aujesky D, Butler J, Vittinghoff E, Simonsick E, Satterfield S, Newman AB, Wilson PW, Pletcher MJ, **Bauer DC**. Framingham risk score and alternatives

- for prediction of coronary heart disease in older adults. PLoS One. 2012; 7(3):e34287. PMID: 22470551.
236. Auer R, **Bauer DC**, Marques-Vidal P, Butler J, Min LJ, Cornuz J, Satterfield S, Newman AB, Vittinghoff E, Rodondi N. Association of major and minor ECG abnormalities with coronary heart disease events. JAMA. 2012 Apr 11; 307(14):1497-505. PMID: 22496264.
 237. Yenchek RH, Ix JH, Shlipak MG, **Bauer DC**, Rianon NJ, Kritchevsky SB, Harris TB, Newman AB, Cauley JA, Fried LF. Bone mineral density and fracture risk in older individuals with CKD. Clin J Am Soc Nephrol. 2012 Jul; 7(7):1130-6. PMID: 22516286.
 238. Sanders JL, Boudreau RM, Penninx BW, Simonsick EM, Kritchevsky SB, Satterfield S, Harris TB, **Bauer DC**, Newman AB. Association of a Modified Physiologic Index with mortality and incident disability: the Health, Aging, and Body Composition study. J Gerontol A Biol Sci Med Sci. 2012 Dec; 67(12):1439-46. PMID: 22546961.
 239. Barbour KE, Houston DK, Cummings SR, Boudreau R, Prasad T, Sheu Y, **Bauer DC**, Tooze JA, Kritchevsky SB, Tylavsky FA, Harris TB, Cauley JA. Calcitropic hormones and the risk of hip and nonspine fractures in older adults: the Health ABC Study. J Bone Miner Res. 2012 May; 27(5):1177-85. PMID: 22228250.
 240. Barbour KE, Boudreau R, Danielson ME, Youk AO, Wactawski-Wende J, Greep NC, LaCroix AZ, Jackson RD, Wallace RB, **Bauer DC**, Allison MA, Cauley JA. Inflammatory markers and the risk of hip fracture: the Women's Health Initiative. J Bone Miner Res. 2012 May; 27(5):1167-76. PMID: 22392817.
 241. Collet TH, Gussekloo J, **Bauer DC**, den Elzen WP, Cappola AR, Balmer P, Iervasi G, Åsvold BO, Sgarbi JA, Völzke H, Gencer B, Maciel RM, Molinaro S, Bremner A, Luben RN, Maisonnette P, Cornuz J, Newman AB, Khaw KT, Westendorp RG, Franklyn JA, Vittinghoff E, Walsh JP, Rodondi N. Subclinical hyperthyroidism and the risk of coronary heart disease and mortality. Arch Intern Med. 2012 May 28; 172(10):799-809. PMID: 22529182.
 242. Waring AC, Rodondi N, Harrison S, Kanaya AM, Simonsick EM, Miljkovic I, Satterfield S, Newman AB, **Bauer DC**. Thyroid function and prevalent and incident metabolic syndrome in older adults: the Health, Ageing and Body Composition Study. Clin Endocrinol (Oxf). 2012 Jun; 76(6):911-8. PMID: 22187968.
 243. Lee DS, de Rekeneire N, Hanlon JT, Gill TM, **Bauer DC**, Meibohm B, Harris TB, Jeffery SM. Cognitive Impairment and Medication Complexity in Community-Living Older Adults: The Health, Aging and Body Composition Study. J Pharm Technol. 2012 Jul 1; 28(4):156162. PMID: 24660166.
 244. Schwartz AV, Margolis KL, Sellmeyer DE, Vittinghoff E, Ambrosius WT, Bonds DE, Josse RG, Schnall AM, Simmons DL, Hue TF, Palermo L, Hamilton BP, Green JB, Atkinson HH, O'Connor PJ, Force RW, **Bauer DC**. Intensive glycemic control is not associated with fractures or falls in the ACCORD randomized trial. Diabetes Care. 2012 Jul; 35(7):1525-31. PMID: 22723583.
 245. **Bauer D**, Krege J, Lane N, Leary E, Libanati C, Miller P, Myers G, Silverman S, Vesper HW, Lee D, Payette M, Randall S. National Bone Health Alliance Bone Turnover Marker Project: current practices and the need for US harmonization, standardization, and common reference ranges. Osteoporos Int. 2012 Oct; 23(10):2425-33. PMID: 22797491.

246. Gencer B, Collet TH, Virgini V, **Bauer DC**, Gussekloo J, Cappola AR, Nanchen D, den Elzen WP, Balmer P, Luben RN, Iacoviello M, Triggiani V, Cornuz J, Newman AB, Khaw KT, Jukema JW, Westendorp RG, Vittinghoff E, Aujesky D, Rodondi N. Subclinical thyroid dysfunction and the risk of heart failure events: an individual participant data analysis from 6 prospective cohorts. *Circulation*. 2012 Aug 28; 126(9):1040-9. PMID: 22821943.
247. Jacques RM, Boonen S, Cosman F, Reid IR, **Bauer DC**, Black DM, Eastell R. Relationship of changes in total hip bone mineral density to vertebral and nonvertebral fracture risk in women with postmenopausal osteoporosis treated with once-yearly zoledronic acid 5 mg: the HORIZON-Pivotal Fracture Trial (PFT). *J Bone Miner Res*. 2012 Aug; 27(8):1627-34. PMID: 22532515
248. Gopal DM, Kalogeropoulos AP, Georgiopoulou VV, Smith AL, **Bauer DC**, Newman AB, Kim L, Bibbins-Domingo K, Tindle H, Harris TB, Tang WW, Kritchevsky SB, Butler J. Cigarette smoking exposure and heart failure risk in older adults: the Health, Aging, and Body Composition Study. *Am Heart J*. 2012 Aug; 164(2):236-42. PMID: 22877810.
249. 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 Oct; 21(10):1886-8. PMID: 22879205.
250. Kritchevsky SB, Tooze JA, Neiberg RH, Schwartz GG, Hausman DB, Johnson MA, **Bauer DC**, Cauley JA, Shea MK, Cawthon PM, Harris TB, Rubin SM, Tylavsky FA, Houston DK. 25-Hydroxyvitamin D, parathyroid hormone, and mortality in black and white older adults: the health ABC study. *J Clin Endocrinol Metab*. 2012 Nov; 97(11):4156-65. PMID: 22942386.
251. Peron EP, Zheng Y, Perera S, Newman AB, Resnick NM, Shorr RI, **Bauer DC**, Simonsick EM, Gray SL, Hanlon JT, Ruby CM. Antihypertensive drug class use and differential risk of urinary incontinence in community-dwelling older women. *J Gerontol A Biol Sci Med Sci*. 2012 Dec; 67(12):1373-8. PMID: 22972942.
252. 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 Oct; 27(10):2179-88. PMID: 22648990.
253. Houston DK, Tooze JA, Neiberg RH, Hausman DB, Johnson MA, Cauley JA, **Bauer DC**, Cawthon PM, Shea MK, Schwartz GG, Williamson JD, Tylavsky FA, Visser M, Simonsick EM, Harris TB, Kritchevsky SB. 25-hydroxyvitamin D status and change in physical performance and strength in older adults: the Health, Aging, and Body Composition Study. *Am J Epidemiol*. 2012 Dec 1; 176(11):1025-34. PMID: 23118104.
254. Nanchen D, Rodondi N, Cornuz J, Hillier T, Ensrud KE, Cauley JA, **Bauer DC**. Mortality associated with diabetes and cardiovascular disease in older women. *PLoS One*. 2012; 7(11):e48818. PMID: 23144985.
255. Houston DK, Neiberg RH, Tooze JA, Hausman DB, Johnson MA, Cauley JA, **Bauer DC**, Shea MK, Schwartz GG, Williamson JD, Harris TB, Kritchevsky SB. Low 25-hydroxyvitamin D predicts the onset of mobility limitation and disability in community-dwelling older adults: the Health ABC Study. *J Gerontol A Biol Sci Med Sci*. 2013 Feb; 68(2):181-7. PMID: 22573914.

256. Rodondi N, **Bauer DC**. Subclinical hypothyroidism and cardiovascular risk: how to end the controversy. *J Clin Endocrinol Metab*. 2013 Jun; 98(6):2267-9. PMID: 23633199.
257. McClung M, Harris ST, Miller PD, **Bauer DC**, Davison KS, Dian L, Hanley DA, Kendler DL, Yuen CK, Lewiecki EM. Bisphosphonate therapy for osteoporosis: benefits, risks, and drug holiday. *Am J Med*. 2013 Jan; 126(1):13-20. PMID: 23177553
258. Marcum ZA, Zheng Y, Perera S, Strotmeyer E, Newman AB, Simonsick EM, Shorr RI, **Bauer DC**, Donohue JM, Hanlon JT. Prevalence and correlates of self-reported medication non-adherence among older adults with coronary heart disease, diabetes mellitus, and/or hypertension. *Res Social Adm Pharm*. 2013 Nov-Dec; 9(6):817-27. PMID: 23291338.
259. **Bauer DC**. Vertebral augmentation vs nonsurgical therapy: improved symptoms, improved survival, or neither? *JAMA Intern Med*. 2013 Sep 9; 173(16):1522-3. PMID: 23835640
260. Dallal CM, Brinton LA, **Bauer DC**, Buist DS, Cauley JA, Hue TF, Lacroix A, Tice JA, Chia VM, Falk R, Pfeiffer R, Pollak M, Veenstra TD, Xu X, Lacey JV. Obesity-related hormones and endometrial cancer among postmenopausal women: a nested case-control study within the B~FIT cohort. *Endocr Relat Cancer*. 2013 Feb; 20(1):151-60. PMID: 23222000.
261. 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 Mar; 28(3):472-9. PMID: 23018684.
262. 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 Oct; 64(4):672-9. PMID: 23587870.
263. Tang W, Bentley AR, Kritchevsky SB, Harris TB, Newman AB, **Bauer DC**, Meibohm B, Cassano PA. Genetic variation in antioxidant enzymes, cigarette smoking, and longitudinal change in lung function. *Free Radic Biol Med*. 2013 Oct; 63:304-12. PMID: 23688726.
264. 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 Jul; 98(7):2734-41. PMID: 23690312.
265. McNabb BL, Vittinghoff E, Schwartz AV, Eastell R, **Bauer DC**, Ensrud K, Rosenberg E, Santora A, Barrett-Connor E, Black DM. BMD changes and predictors of increased bone loss in postmenopausal women after a 5-year course of alendronate. *J Bone Miner Res*. 2013 Jun; 28(6):1319-27. PMID: 23408577
266. Schwartz AV, Schafer AL, Grey A, Vittinghoff E, Palermo L, Lui LY, Wallace RB, Cummings SR, Black DM, **Bauer DC**, Reid IR. Effects of antiresorptive therapies on glucose metabolism: results from the FIT, HORIZON-PFT, and FREEDOM trials. *J Bone Miner Res*. 2013 Jun; 28(6):1348-54. PMID: 23322676
267. Juthani-Mehta M, De Rekeneire N, Allore H, Chen S, O'Leary JR, **Bauer DC**, Harris TB, Newman AB, Yende S, Weyant RJ, Kritchevsky S, Quagliarello V. Modifiable risk factors for pneumonia requiring hospitalization of community-dwelling older adults: the Health, Aging, and Body Composition Study. *J Am Geriatr Soc*. 2013 Jul; 61(7):1111-8. PMID: 23772872.
268. Lo-Ciganic WH, Boudreau RM, Gray SL, Zgibor JC, Donohue JM, Perera S, Newman AB, Simonsick EM, **Bauer DC**, Satterfield S, Hanlon JT. Changes in cholesterol-lowering

- medications use over a decade in community-dwelling older adults. *Ann Pharmacother*. 2013 Jul-Aug; 47(7-8):984-92. PMID: 23780807.
269. Hanlon JT, Boudreau RM, Perera S, Strotmeyer ES, Newman AB, Simonsick EM, Shorr RI, **Bauer DC**, Donohue JM. Racial differences in antilipemic use and lipid control in highrisk older adults: post-Medicare Part D. *Am Heart J*. 2013 Oct; 166(4):792-7. PMID: 24093862.
270. Yende S, Alvarez K, Loehr L, Folsom AR, Newman AB, Weissfeld LA, Wunderink RG, Kritchevsky SB, Mukamal KJ, London SJ, Harris TB, **Bauer DC**, Angus DC. Epidemiology and long-term clinical and biologic risk factors for pneumonia in community-dwelling older Americans: analysis of three cohorts. *Chest*. 2013 Sep; 144(3):1008-17. PMID: 23744106.
271. Khan H, Kalogeropoulos AP, Georgiopoulou VV, Newman AB, Harris TB, Rodondi N, **Bauer DC**, Kritchevsky SB, Butler J. Frailty and risk for heart failure in older adults: the health, aging, and body composition study. *Am Heart J*. 2013 Nov; 166(5):887-94. PMID: 24176445.
272. **Bauer DC**. Clinical practice. Calcium supplements and fracture prevention. *N Engl J Med*. 2013 Oct 17; 369(16):1537-43. PMID: 24131178.
273. Frankel B, Krishna V, Vandergrift A, **Bauer DC**, Nicholas J. Natural history and risk factors for adjacent vertebral fractures in the fracture intervention trial. *Spine (Phila Pa 1976)*. 2013 Dec 1; 38(25):2201-7. PMID: 24285276
274. Ensrud KE, Blackwell TL, Cauley JA, Dam TT, Cawthon PM, Schousboe JT, BarrettConnor E, Stone KL, **Bauer DC**, Shikany JM, Mackey DC. Objective measures of activity level and mortality in older men. *J Am Geriatr Soc*. 2014 Nov; 62(11):2079-87. PMID: 25367147.
275. 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, Lytikäinen LP, Lewis JR, Swart KM, Masi L, Oldmeadow C, Holliday EG, Cheng S, van Schoor NM, Harvey NC, Kruk M, del Greco M F, 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 Å, Hicks AA, Pludowski P, Scott R, Dhonukshe-Rutten RA, van der Velde N, Kähönen M, Viikari JS, Sievänen H, Raitakari OT, González-Macías J, Hernández JL, Mellström D, Ljunggren O, Cho YS, Völker U, Nauck M, Homuth G, Völzke 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, Gyllensten U, Pramstaller PP, Lorenc RS, Cooper C, Kung AW, Lips P, Alen M, Attia J, Brandi ML, de Groot LC, Lehtimäki 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. *Hum Mol Genet*. 2014 Jun 1; 23(11):3054-68. PMID: 24430505.
276. Marcum ZA, Hanlon JT, Strotmeyer ES, Newman AB, Shorr RI, Simonsick EM, **Bauer DC**,

- Boudreau R, Donohue JM, Perera S, Marcum ZA, Hanlon JT, Strotmeyer ES, Newman AB, Shorr RI, Simonsick EM, Bauer DC, Boudreau R, Donohue JM, Perera S. Gastroprotective agent underuse in high-risk older daily nonsteroidal anti-inflammatory drug users over time. *J Am Geriatr Soc.* 2014 Oct; 62(10):1923-7. PMID: 25284702.
277. **Bauer DC.** Vertebral augmentation for symptomatic compression fractures is supported by randomized clinical trials--reply. *JAMA Intern Med.* 2014 Feb 1; 174(2):307-8. PMID: 24493617
278. Lewiecki EM, Miller PD, Harris ST, **Bauer DC**, Davison KS, Dian L, Hanley DA, McClung MR, Yuen CK, Kendler DL. Understanding and communicating the benefits and risks of denosumab, raloxifene, and teriparatide for the treatment of osteoporosis. *J Clin Densitom.* 2014 Oct-Dec; 17(4):490-5. PMID: 24206867
279. McNabb B, Vittinghoff E, Eastell R, Schwartz AV, **Bauer DC**, Ensrud K, Barrett-Connor E, Black DM. McNabb B, Vittinghoff E, Eastell R, Schwartz AV, Bauer DC, Ensrud K, Barrett-Connor E, Black DM. A Model of BMD Changes After Alendronate Discontinuation to Guide Postalendronate BMD Monitoring. *J Clin Endocrinol Metab.* 2014 Nov; 99(11):4094-100. PMID: 25127011
280. Dallal CM, Tice JA, Buist DS, **Bauer DC**, Lacey JV, Cauley JA, Hue TF, Lacroix A, Falk RT, Pfeiffer RM, Fuhrman BJ, Veenstra TD, Xu X, Brinton LA. Estrogen metabolism and breast cancer risk among postmenopausal women: a case-cohort study within B~FIT. *Carcinogenesis.* 2014 Feb; 35(2):346-55. PMID: 24213602.
281. Virgini VS, Wijsman LW, Rodondi N, **Bauer DC**, Kearney PM, Gussekloo J, den Elzen WP, Jukema JW, Westendorp RG, Ford I, Stott DJ, Mooijaart SP. Subclinical thyroid dysfunction and functional capacity among elderly. *Thyroid.* 2014 Feb; 24(2):208-14. PMID: 23941540.
282. **Bauer DC.** Calcium supplements and fracture prevention. *N Engl J Med.* 2014 Jan 23; 370(4):387-8. PMID: 24450910
283. **Bauer DC.** The calcium supplement controversy: now what? *J Bone Miner Res.* 2014 Mar; 29(3):531-3. PMID: 24449050
284. Bajaj A, Stone KL, Peters K, Parimi N, Barrett-Connor E, **Bauer D**, Cawthon PM, Ensrud KE, Hoffman AR, Orwoll E, Schernhammer ES. 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 Sep; 99(9):3256-62. PMID: 24670083.
285. 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 Apr; 29(4):968-75. PMID: 23983224.
286. Gencer B, Butler J, **Bauer DC**, Auer R, Kalogeropoulos A, Marques-Vidal P, Applegate WB, Satterfield S, Harris T, Newman A, Vittinghoff E, Rodondi N. Gencer B, Butler J, Bauer DC, Auer R, Kalogeropoulos A, Marques-Vidal P, Applegate WB, Satterfield S, Harris T, Newman A, Vittinghoff E, Rodondi N. Association of electrocardiogram abnormalities and incident heart failure events. *Am Heart J.* 2014 Jun; 167(6):869-75.e3. PMID: 24890537.
287. Streit S, da Costa BR, **Bauer DC**, Collet TH, Weiler S, Zimmerli L, Frey P, Cornuz J,

- Gaspoz JM, Battegay E, Kerr E, Aujesky D, Rodondi N. Multimorbidity and quality of preventive care in Swiss university primary care cohorts. *PLoS One*. 2014; 9(4):e96142. PMID: 24760077.
288. 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 Oct; 57(10):2057-65. PMID: 24908567.
289. Collet TH, **Bauer DC**, Cappola AR, Asvold BO, Weiler S, Vittinghoff E, Gussekloo J, Bremner A, den Elzen WP, Maciel RM, Vanderpump MP, Cornuz J, Dörr M, Wallaschofski H, Newman AB, Sgarbi JA, Razvi S, Völzke H, Walsh JP, Aujesky D, Rodondi N. Thyroid antibody status, subclinical hypothyroidism, and the risk of coronary heart disease: an individual participant data analysis. *J Clin Endocrinol Metab*. 2014 Sep; 99(9):3353-62. PMID: 24915118.
290. Stott DJ, **Bauer DC**, Ford I, Kearney P, Gussekloo J, Quinn TJ, Rodondi N, Smit J, Westerdorp R. Stott DJ, Bauer DC, Ford I, Kearney P, Gussekloo J, Quinn TJ, Rodondi N, Smit J, Westerdorp R. The dilemma of treating subclinical hypothyroidism: risk that current guidelines do more harm than good. *Eur Thyroid J*. 2014 Jun; 3(2):137-8. PMID: 25114879.
291. **Bauer DC**, Schwartz A, Palermo L, Cauley J, Hochberg M, Santora A, Cummings SR, Black DM. Fracture prediction after discontinuation of 4 to 5 years of alendronate therapy: the FLEX study. *JAMA Intern Med*. 2014 Jul; 174(7):1126-34. PMID: 24798675.
292. Weiler S, Gemperli A, Collet TH, **Bauer DC**, Zimmerli L, Cornuz J, Battegay E, Gaspoz JM, Kerr EA, Aujesky D, Rodondi N. Weiler S, Gemperli A, Collet TH, Bauer DC, Zimmerli L, Cornuz J, Battegay E, Gaspoz JM, Kerr EA, Aujesky D, Rodondi N. Clinically relevant quality measures for risk factor control in primary care: a retrospective cohort study. *BMC Health Serv Res*. 2014; 14:306. PMID: 25027581.
293. 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 Intern Med*. 2014 Aug; 174(8):1263-70. PMID: 24911216.
294. Wirth CD, Blum MR, da Costa BR, Baumgartner C, Collet TH, Medici M, Peeters RP, Aujesky D, **Bauer DC**, Rodondi N. Subclinical thyroid dysfunction and the risk for fractures: a systematic review and meta-analysis. *Ann Intern Med*. 2014 Aug 5; 161(3):189-99. PMID: 25089863.
295. Krähenmann-Müller S, Virgini VS, Blum MR, da Costa BR, Collet TH, Martin Y, Cornuz J, Zimmerli L, Gaspoz JM, **Bauer DC**, Kerr EA, Aujesky D, Rodondi N. Patient and physician gender concordance in preventive care in university primary care settings. *Prev Med*. 2014 Oct; 67:242-7. PMID: 25117521
296. Hue TF, Cummings SR, Cauley JA, **Bauer DC**, Ensrud KE, Barrett-Connor E, Black DM. Hue TF, Cummings SR, Cauley JA, Bauer DC, Ensrud KE, Barrett-Connor E, Black DM. Effect of bisphosphonate use on risk of postmenopausal breast cancer: results from the randomized clinical trials of alendronate and zoledronic acid. *JAMA Intern Med*. 2014 Oct; 174(10):1550-7. PMID: 25111880.

297. Blum MR, Wijsman LW, Virgini VS, **Bauer DC**, den Elzen WP, Jukema JW, Buckley BM, de Craen AJ, Kearney PM, Stott DJ, Gussekloo J, Westendorp RG, Mooijaart SP, Rodondi N. Subclinical thyroid dysfunction and depressive symptoms among the elderly: a prospective cohort study. *Neuroendocrinology*. 2015 Jul 14. PMID: 26202797
298. Lo-Ciganic WH, Perera S, Gray SL, Boudreau RM, Zgibor JC, Strotmeyer ES, Donohue JM, Bunker CH, Newman AB, Simonsick EM, **Bauer DC**, Satterfield S, Caserotti P, Harris T, Shorr RI, Hanlon JT. Statin use and decline in gait speed in community-dwelling older adults. *J Am Geriatr Soc*. 2015 Jan; 63(1):124-9. PMID: 25537649.
299. Tabatabai LS, Cummings SR, Tylavsky FA, **Bauer DC**, Cauley JA, Kritchevsky SB, Newman A, Simonsick EM, Harris TB, Sebastian A, Sellmeyer DE. Tabatabai LS, Cummings SR, Tylavsky FA, Bauer DC, Cauley JA, Kritchevsky SB, Newman A, Simonsick EM, Harris TB, Sebastian A, Sellmeyer DE. Arterialized venous bicarbonate is associated with lower bone mineral density and an increased rate of bone loss in older men and women. *J Clin Endocrinol Metab*. 2015 Apr; 100(4):1343-9. PMID: 25642590.
300. McCloskey EV, Kanis JA, Odén A, Harvey NC, **Bauer D**, González-Macias J, Hans D, Kaptoge S, Krieg MA, Kwok T, Marin F, Moayyeri A, Orwoll E, Gluer C, Johansson H. Predictive ability of heel quantitative ultrasound for incident fractures: an individual-level meta-analysis. *Osteoporos Int*. 2015 Jul; 26(7):1979-87. PMID: 25690339
301. Kalogeropoulos AP, Georgiopoulou VV, Murphy RA, Newman AB, **Bauer DC**, Harris TB, Yang Z, Applegate WB, Kritchevsky SB. Dietary sodium content, mortality, and risk for cardiovascular events in older adults: The Health, Aging, and Body Composition (Health ABC) Study. *JAMA Intern Med*. 2015 Mar 1; 175(3):410-9. PMID: 25599120
302. 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, Völzke 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 Jun; 100(6):2181-91. PMID: 25856213.
303. Abrahamsen B, Jørgensen HL, Laulund AS, Nybo M, **Bauer DC**, Brix TH, Hegedüs L. The excess risk of major osteoporotic fractures in hypothyroidism is driven by cumulative hyperthyroid as opposed to hypothyroid time: an observational register-based timeresolved cohort analysis. *J Bone Miner Res*. 2015 May; 30(5):898-905. PMID: 25431028
304. Blum MR, **Bauer DC**, Collet TH, Fink HA, Cappola AR, da Costa BR, Wirth CD, Peeters RP, Åsvold 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, Jüni P, Aujesky D, Rodondi N. Subclinical thyroid dysfunction and fracture risk: a meta-analysis. *JAMA*. 2015 May 26; 313(20):2055-65. PMID: 26010634.
305. Åsvold BO, Vatten LJ, Bjørø 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, Völzke 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 Intern Med.* 2015 Jun 1; 175(6):1037-47. PMID: 25893284.
306. 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 Jun; 30(6):970-5. PMID: 25294595.
307. Åsvold BO, Vatten LJ, Bjørø 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, Völzke H, Walsh JP, Westendorp RG, Rodondi N; Thyroid Studies Collaboration. Thyroid function within the normal range and risk of coronary heart disease: an individual participant data analysis of 14 cohorts. *JAMA Intern Med.* 2015 Jun;175(6):1037-47. doi: 10.1001/jamainternmed.2015.0930. PMID: 25893284
308. Genter DJ, Betz J, Pratt S, Martin KR, Harris TB, Satterfield S, **Bauer DC**, Newman AB, Simonsick EM, Lin FR. Association Between Hearing Impairment and Risk of Hospitalization in Older Adults. *J Am Geriatr Soc.* 2015 Jun; 63(6):1146-52. PMID: 26096388.
309. 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.* 2015 Sep 17. PMID: 26378772
310. Falk RT, Dallal CM, Lacey JV, **Bauer DC**, Buist DS, Cauley JA, Hue TF, LaCroix AZ, Tice JA, Pfeiffer RM, Xu X, Veenstra TD, Brinton LA. Falk RT, Dallal CM, Lacey JV, Bauer DC, Buist DS, Cauley JA, Hue TF, LaCroix AZ, Tice JA, Pfeiffer RM, Xu X, Veenstra TD, Brinton LA. Estrogen Metabolites Are Not Associated with Colorectal Cancer Risk in Postmenopausal Women. *Cancer Epidemiol Biomarkers Prev.* 2015 Sep; 24(9):1419-22. PMID: 26104910.
311. Marcum ZA, Perera S, Thorpe JM, Switzer GE, Gray SL, Castle NG, Strotmeyer ES, Simonsick EM, **Bauer DC**, Shorr RI, Studenski SA, Hanlon JT. Anticholinergic Use and Recurrent Falls in Community-Dwelling Older Adults: Findings From the Health ABC Study. *Ann Pharmacother.* 2015 Nov; 49(11):1214-21. PMID: 26228936.
312. Schwartz AV, Chen H, Ambrosius WT, Sood A, Josse RG, Bonds DE, Schnall AM, Vittinghoff E, **Bauer DC**, Banerji MA, Cohen RM, Hamilton BP, Isakova T, Sellmeyer DE, Simmons DL, Shibli-Rahhal A, Williamson JD, Margolis KL. Effects of TZD Use and Discontinuation on Fracture Rates in ACCORD Bone Study. *J Clin Endocrinol Metab.* 2015 Nov; 100(11):4059-66. PMID: 26305617.
313. Marcum ZA, Perera S, Newman AB, Thorpe JM, Switzer GE, Gray SL, Simonsick EM, Shorr RI, **Bauer DC**, Castle NG, Studenski SA, Hanlon JT. Antihypertensive Use and Recurrent Falls in Community-Dwelling Older Adults: Findings From the Health ABC Study. *J Gerontol A Biol Sci Med Sci.* 2015 Dec; 70(12):1562-8. PMID: 26265732.

314. 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 Dec; 100(12):4524-32. PMID: 26495751.
315. **Bauer DC**. Screening tests for osteoporosis: too few for some, too many for others. *J Gen Intern Med*. 2015 Dec; 30(12):1722-3. PMID: 26123181.
316. 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 Jan; 27(1):331-8. PMID: 26458388.
317. Chaker L, Baumgartner C, den Elzen WP, Collet TH, Ikram MA, Blum MR, Dehghan A, Drechsler C, Luben RN, Portegies ML, Iervasi G, Medici M, Stott DJ, Dullaart RP, Ford I, Bremner A, Newman AB, Wanner C, Sgarbi JA, Dörr M, Longstreth WT, Psaty BM, Ferrucci L, Maciel RM, Westendorp RG, Jukema JW, Ceresini G, Imaizumi M, Hofman A, Bakker SJ, Franklyn JA, Khaw KT, **Bauer DC**, Walsh JP, Razvi S, Gussekloo J, Völzke H, Franco OH, Cappola AR, Rodondi N, Peeters RP. Thyroid Function Within the Reference Range and the Risk of Stroke: An Individual Participant Data Analysis. *J Clin Endocrinol Metab*. 2016 Nov; 101(11):4270-4282. PMID: 27603906. PMCID: PMC5095234
318. 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 Aug; 31(8):1500-3. PMID: 26969847. PMCID: PMC5065098
319. Wallace TC, **Bauer DC**, Gagel RF, Greenspan SL, Lappe JM, LeBoff MS, Recker RR, Saag KG, Singer AJ. The National Osteoporosis Foundation's methods and processes for developing position statements. *Arch Osteoporos*. 2016 Dec; 11(1):22. PMID: 27229335
320. Marcum ZA, Perera S, Thorpe JM, Switzer GE, Castle NG, Strotmeyer ES, Simonsick EM, Ayonayon HN, Phillips CL, Rubin S, Zucker-Levin AR, **Bauer DC**, Shorr RI, Kang Y, Gray SL, Hanlon JT. Antidepressant Use and Recurrent Falls in Community-Dwelling Older Adults: Findings From the Health ABC Study. *Ann Pharmacother*. 2016 Jul; 50(7):525-33. PMID: 27066988. PMCID: PMC4892949
321. Magnani JW, Wang N, Benjamin EJ, Garcia ME, **Bauer DC**, Butler J, Ellinor PT, Kritchevsky S, Marcus GM, Newman A, Phillips CL, Sasai H, Satterfield S, Sullivan LM, Harris TB. Atrial fibrillation and declining physical performance in older adults: The Health, Aging, and Body Composition Study. *Circ Arrhythm Electrophysiol*. 2016 May; 9(5):e003525. PMID: 27052031.
322. Bell KJ, Hayen A, Glasziou P, Irwig L, Eastell R, Harrison SL, Black DM, Bauer DC. Potential Usefulness of BMD and Bone Turnover Monitoring of Zoledronic Acid Therapy Among Women With Osteoporosis: Secondary Analysis of Randomized Controlled Trial Data. *J Bone Miner Res*. 2016 Sep; 31(9):1767-73. PMID: 27027655
323. Naples JG, Marcum ZA, Perera S, Newman AB, Greenspan SL, Gray SL, **Bauer DC**, Simonsick EM, Shorr RI, Hanlon JT. Impact of Drug-Drug and Drug-Disease Interactions

- on Gait Speed in Community-Dwelling Older Adults. *Drugs Aging*. 2016 Jun; 33(6):411-8. PMID: 27138955.
324. 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 Sep; 26(9):1185-94. PMID: 27484219. PMCID: PMC5036313
 325. 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 Jan; 31(1):204-7. PMID: 26178795.
 326. Adler RA, El-Hajj Fuleihan G, **Bauer DC**, Camacho PM, Clarke BL, Clines GA, Compston JE, Drake MT, Edwards BJ, Favus MJ, Greenspan SL, McKinney R, Pignolo RJ, Sellmeyer DE. Managing Osteoporosis in Patients on Long-Term Bisphosphonate Treatment: Report of a Task Force of the American Society for Bone and Mineral Research. *J Bone Miner Res*. 2016 Jan; 31(1):16-35. PMID: 26350171
 327. Kendler DL, **Bauer DC**, Davison KS, Dian L, Hanley DA, Harris ST, McClung MR, Miller PD, Schousboe JT, Yuen CK, Lewiecki EM. Vertebral Fractures: Clinical Importance and Management. *Am J Med*. 2016 Feb; 129(2):221.e1-221.e10. PMID: 26524708
 328. Gencer B, Auer R, de Rekeneire N, Butler J, Kalogeropoulos A, **Bauer DC**, Kritchevsky SB, Miljkovic I, Vittinghoff E, Harris T, Rodondi N. Association between resistin levels and cardiovascular disease events in older adults: The health, aging and body composition study. *Atherosclerosis*. 2016 Feb; 245:181-6. PMID: 26724528
 329. Dallal CM, Lacey JV, Pfeiffer RM, **Bauer DC**, Falk RT, Buist DS, Cauley JA, Hue TF, LaCroix AZ, Tice JA, Veenstra TD, Xu X, Brinton LA. Estrogen metabolism and risk of postmenopausal endometrial and ovarian cancer: the B~FIT Cohort. *Horm Cancer*. 2016 Feb; 7(1):49-64. PMID: 26728471
 330. 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 Jan 11. PMID: 26754689
 331. 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 Jan 15. PMID: 26943468
 332. Marshall LM, Lapidus JA, Wiedrick J, Barrett-Connor E, **Bauer DC**, Orwoll ES, Parsons JK. Lower urinary tract symptoms and risk of non-spine fractures among older community dwelling US men. *J Urol*. 2016 Feb 20. PMID: 26905017
 333. Beijers RJ, van den Borst B, Newman AB, Yende S, Kritchevsky SB, Cassano PA, **Bauer DC**, Harris TB, Schols AM. A multidimensional risk score to predict all-cause hospitalization in community-dwelling older individuals with obstructive lung disease. *J Am Med Dir Assoc*. 2016 Feb 23. PMID: 26926337
 334. Chalhoub D, Orwoll ES, Cawthorn PM, Ensrud KE, Boudreau R, Greenspan S, Newman AB, Zmuda J, **Bauer DC**, Cummings S, Cauley JA. Areal and volumetric bone mineral

- density and risk of multiple types of fracture in older men. MrOS Study Research Group. 2016 Aug 18. PMID: 27554426
335. 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 Oct; 31(10):1810-1819. PMID: 26988112
 336. Cummings SR, Cosman F, Lewiecki ME, Schousboe JT, **Bauer D**, Black D, Brown T, Cheung AM, Cody K, Cooper C, Diez-Perez A, Eastell R, Hadji P, Hosoi T, De Beur SJ, Kagan R, Kiel DP, Reid I, Solomon DH, Randall S. Goal-Directed Treatment for Osteoporosis: A Progress Report from the ASBMR-NOF Working Group on Goal-Directed Treatment for Osteoporosis. *J Bone Miner Res*. 2016 Nov 19. PMID: 27864889
 337. Aubert CE, Streit S, Da Costa BR, Collet TH, Cornuz J, Gaspoz JM, **Bauer D**, Aujesky D, Rodondi N. Polypharmacy and specific comorbidities in university primary care settings. *Eur J Intern Med*. 2016 Nov;35:35-42. doi: 10.1016/j.ejim.2016.05.022. PMID: 27289492
 338. 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*. 2016 Dec 12. PMID: 27943394
 339. Kopecky SL, **Bauer DC**, Gulati M, Nieves JW, Singer AJ, Toth PP, Underberg JA, Wallace TC, Weaver CM. Lack of Evidence Linking Calcium With or Without Vitamin D Supplementation to Cardiovascular Disease in Generally Healthy Adults: A Clinical Guideline From the National Osteoporosis Foundation and the American Society for Preventive Cardiology. *Ann Intern Med*. 2016 Dec 20; 165(12):867-868. PMID: 27776362
 340. Sampson JN, Falk RT, Schairer C, Moore SC, Fuhrman BJ, Dallal CM, **Bauer DC**, Dorgan JF, Shu XO, Zheng W, Brinton LA, Gail MH, Ziegler RG, Xu X, Hoover R, Gierach GL. Association of Estrogen Metabolism with Breast Cancer Risk in Different Cohorts of Postmenopausal Women. *Cancer Res*. 2016 Dec. 23 PMID: 28011624
 341. Rieben C, Segna D, da Costa BR, Collet TH, Chaker L, Aubert CE, Baumgartner C, Almeida OP, Hogervorst E, Trompet S, Masaki K, Mooijaart SP, Gussekloo J, Peeters RP, **Bauer DC**, Aujesky D, Rodondi N. Subclinical Thyroid Dysfunction and the Risk of Cognitive Decline: a Meta-Analysis of Prospective Cohort Studies. *J Clin Endo Metab*. 2016 101(12), 4945-4954. doi:10.1210/jc.2016-2129
 342. 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 and Miner Res*, 2016 31(10), 1820-1826. doi:10.1002/jbmr.2867
 343. Magnani, J. W., Wang, N., Benjamin, E. J., Garcia, M. E., **Bauer, D. C.**, Butler, J., . . . Study, H. A. B. C. (2016). . Atrial Fibrillation and Declining Physical Performance in Older Adults The Health, Aging, and Body Composition Study. *Circ Arrhythm Electrophysiol*, 9(5). doi:10.1161/CIRCEP.115.003525
 344. Marcum, Z. A., Perera, S., Thorpe, J. M., Switzer, G. E., Castle, N. G., Strotmeyer, E. S., . . . Study, H. A. B. C. (2016). Antidepressant Use and Recurrent Falls in Community-Dwelling

- Older Adults: Findings From the Health ABC Study. *Ann Pharmacother*, 50(7), 525-533. doi:10.1177/1060028016644466
345. Hanlon, J. T., Perera, S., Newman, A. B., Thorpe, J. M., Donohue, J. M., Simonsick, E. M., . . . Marcum, Z. A. (2017). Potential drug-drug and drug-disease interactions in wellfunctioning community-dwelling older adults. *J Clin Pharm Ther*. doi:10.1111/jcpt.12502
 346. 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 Jan; 28(1):419-420. PMID: 27766366. PMCID: PMC5262150
 347. Stott DJ, Rodondi N, Kearney PM, Ford I, Westendorp RGJ, Mooijaart SP, Sattar N, Aubert CE, Aujesky D, **Bauer DC**, Baumgartner C, Blum MR, Browne JP, Byrne S, Collet TH, Dekkers OM, den Elzen WPJ, Du Puy RS, Ellis G, Feller M, Floriani C, Hendry K, Hurley C, Jukema JW, Kean S, Kelly M, Krebs D, Langhorne P, McCarthy G, McCarthy V, McConnachie A, McDade M, Messow M, O'Flynn A, O'Riordan D, Poortvliet RKE, Quinn TJ, Russell A, Sinnott C, Smit JWA, Van Dorland HA, Walsh KA, Walsh EK, Watt T, Wilson R, Gussekloo J. Thyroid Hormone Therapy for Older Adults with Subclinical Hypothyroidism. *N Engl J Med*. 2017 06 29; 376(26):2534-2544. PMID: 28402245
 348. Stott DJ, Gussekloo J, Kearney PM, Rodondi N, Westendorp RG, Mooijaart S, Kean S, Quinn TJ, Sattar N, Hendry K, Du Puy R, Den Elzen WP, Poortvliet RK, Smit JW, Jukema JW, Dekkers OM, Blum M, Collet TH, McCarthy V, Hurley C, Byrne S, Browne J, Watt T, **Bauer D**, Ford I. Study protocol; Thyroid hormone Replacement for Untreated older adults with Subclinical hypothyroidism - a randomised placebo controlled Trial (TRUST). *BMC Endocr Disord*. 2017 Feb 3;17(1):6. doi: 10.1186/s12902-017-0156-8. PMID: 28158982
 349. Snyder PJ, Kopperdahl DL, Stephens-Shields AJ, Ellenberg SS, Cauley JA, Ensrud KE, Lewis CE, Barrett-Connor E, Schwartz AV, Lee DC, Bhasin S, Cunningham GR, Gill TM, Matsumoto AM, Swerdloff RS, Basaria S, Diem SJ, Wang C, Hou X, Cifelli D, Dougar D, Zeldow B, **Bauer DC**, Keaveny TM. Effect of Testosterone Treatment on Volumetric Bone Density and Strength in Older Men With Low Testosterone: A Controlled Clinical Trial. *JAMA Intern Med*. 2017 Apr 01; 177(4):471-479. PMID: 28241231. PMCID: PMC5433755
 350. Holton KF, Marshall LM, Shannon J, Lapidus JA, Shikany JM, **Bauer DC**, Barrett-Connor E, Parsons JK; Osteoporotic Fractures in Men Study Group. Dietary Antioxidants and Longitudinal Changes in Lower Urinary Tract Symptoms in Elderly Men: The Osteoporotic Fractures in Men Study. *Eur Urol Focus*. 2016 Aug;2(3):310-318. doi: 10.1016/j.euf.2015.09.006. Epub 2015 Sep 26. PMID: 28723378
 351. 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 Jul; 32(7):1559-1567. PMID: 28316103. PMCID: PMC5489383
 352. 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 Jul; 32(7):1554-1558. PMID: 28300346. PMCID: PMC5489355

353. Cauley JA, Danielson ME, Jammy GR, **Bauer DC**, Jackson R, Wactawski-Wende J, Chlebowski RT, Ensrud KE, Boudreau R. Sex Steroid Hormones and Fracture in a Multiethnic Cohort of Women: The Women's Health Initiative Study (WHI). *J Clin Endocrinol Metab.* 2017 May 01; 102(5):1538-1547. PMID: 28324031. PMCID: PMC5443326
354. Rodriguez AJ, Fink HA, Mirigian L, Guañabens N, Eastell R, Akesson K, **Bauer DC**, Ebeling PR. Pain, Quality of Life, and Safety Outcomes of Kyphoplasty for Vertebral Compression Fractures: Report of a Task Force of the American Society for Bone and Mineral Research. *J Bone Miner Res.* 2017 Sep; 32(9):1935-1944. PMID: 28513888
355. Aubert CE, Floriani C, **Bauer DC**, da Costa BR, Segna D, Blum MR, Collet TH, Fink HA, Cappola AR, Syrogiannouli L, Peeters RP, Åsvold 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 Aug 01; 102(8):2719-2728. PMID: 28482002
356. LeBlanc ES, Rosales AG, Black DM, Genant HK, Dell RM, Friess DM, Boardman DL, **Bauer DC**, de Papp A, Santora AC, Orwoll ES. Evaluating Atypical Features of Femur Fractures: How Change in Radiological Criteria Influenced Incidence and Demography of Atypical Femur Fractures in a Community Setting. *J Bone Miner Res.* 2017 Nov; 32(11):2304-2314. PMID: 28731209
357. Aubert CE, **Bauer DC**, da Costa BR, Feller M, Rieben C, Simonsick EM, Yaffe K, Rodondi N. The association between subclinical thyroid dysfunction and dementia: The Health, Aging and Body Composition (Health ABC) Study. *Clin Endocrinol (Oxf).* 2017 Nov; 87(5):617-626. PMID: 28850708. PMCID: PMC5658241
358. 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, Völzke H, Dörr 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 Nov 28; 136(22):2100-2116. PMID: 29061566. PMCID: PMC5705446
359. Stone KL, Lui LY, Christen WG, Troen AM, **Bauer DC**, Kado D, Schambach C, Cummings SR, Manson JE. Effect of Combination Folic Acid, Vitamin B6 , and Vitamin B12 Supplementation on Fracture Risk in Women: A Randomized, Controlled Trial. *J Bone Miner Res.* 2017 Dec; 32(12):2331-2338. PMID: 29244251. PMCID: PMC5734110
360. Valiani V, Sourdret S, Schoeller DA, Mackey DC, **Bauer DC**, Glynn NW, Yamada Y, Harris TB, Manini TM; Health, Aging and Body Composition Study. Surveying predictors of latelife longitudinal change in daily activity energy expenditure. *PLoS One.* 2017 Oct 17;12(10):e0186289. doi: 10.1371/journal.pone.0186289. eCollection 2017. PMID: 29040301 PMCID: PMC5645098
361. Segna D, **Bauer DC**, Feller M, Schneider C, Fink HA, Aubert CE, Collet TH, da Costa BR, Fischer K, Peeters RP, Cappola AR, Blum MR, van Dorland HA, Robbins J, Naylor K, Eastell R, Uitterlinden AG, Rivadeneira Ramirez F, Gogakos A, Gussekloo J, Williams GR, Schwartz A, Cauley JA, Aujesky DA, Bischoff-Ferrari HA, Rodondi N. Association between

- subclinical thyroid dysfunction and change in bone mineral density in prospective cohorts. *J Intern Med.* 2018 Jan; 283(1):56-72. PMID: 29034571. PMCID: PMC5739958
362. Feller M, Snel M, Moutzouri E, **Bauer DC**, de Montmollin M, Aujesky D, Ford I, Gussekloo J, Kearney PM, Mooijaart S, Quinn T, Stott D, Westendorp R, Rodondi N, Dekkers OM. Association of Thyroid Hormone Therapy With Quality of Life and Thyroid-Related Symptoms in Patients With Subclinical Hypothyroidism: A Systematic Review and Metaanalysis. *JAMA.* 2018 10 02; 320(13):1349-1359. PMID: 30285179. PMCID: PMC6233842
363. Wopereis DM, Du Puy RS, van Heemst D, Walsh JP, Bremner A, Bakker SJL, **Bauer DC**, Cappola AR, Ceresini G, Degryse J, Dullaart RPF, Feller M, Ferrucci L, Floriani C, Franco OH, Iacoviello M, Iervasi G, Imaizumi M, Jukema JW, Khaw KT, Luben RN, Molinaro S, Nauck M, Patel KV, Peeters RP, Psaty BM, Razvi S, Schindhelm RK, van Schoor NM, Stott DJ, Vaes B, Vanderpump MPJ, Völzke H, Westendorp RGJ, Rodondi N, Cobbaert CM, Gussekloo J, den Elzen WPJ. The relation between thyroid function and anemia: a pooled analysis of individual participant data. *J Clin Endocrinol Metab.* 2018 Aug 02. PMID: 30113667
364. Orwoll ES, Fino NF, Gill TM, Cauley JA, Strotmeyer ES, Ensrud KE, Kado DM, BarrettConnor E, **Bauer DC**, Cawthon PM, Lapidus J. The relationships between physical performance, activity levels and falls in older men. *J Gerontol A Biol Sci Med Sci.* 2018 Nov 01. PMID: 30383210
365. Blum MR, Gencer B, Adam L, Feller M, Collet TH, da Costa BR, Moutzouri E, Dopheide J, Depairon M, Sykiotis GP, Kearney P, Gussekloo J, Westendorp R, Stott DJ, **Bauer DC**, Rodondi N. Impact of Thyroid Hormone Therapy on Atherosclerosis in the Elderly with Subclinical Hypothyroidism: A Randomized Trial. *J Clin Endocrinol Metab.* 2018 May 28. PMID: 29846630
366. Meliker JR, Vacchi-Suzzi C, Harrington J, Levine K, Lui LY, **Bauer DC**, Orwoll E, Kado DM. Temporal stability of urinary cadmium in samples collected several years apart in a population of older persons. *Int J Hyg Environ Health.* 2018 Nov 03. PMID: 30401599
367. 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 Jan; 29(1):69-77. PMID: 29063213. PMCID: PMC5772967
368. Crandall CJ, Vasan S, LaCroix A, LeBoff MS, Cauley JA, Robbins JA, Jackson RD, **Bauer DC**. Bone Turnover Markers Are Not Associated With Hip Fracture Risk: A Case-Control Study in the Women's Health Initiative. *J Bone Miner Res.* 2018 Jun 19. PMID: 29923225
369. **Bauer DC**, Black DM, Bouxsein ML, Lui LY, Cauley JA, de Papp AE, Grauer A, Khosla S, McCulloch CE, Eastell R. Treatment-Related Changes in Bone Turnover and Fracture Risk Reduction in Clinical Trials of Anti-Resorptive Drugs: A Meta-Regression. *J Bone Miner Res.* 2018 Apr; 33(4):634-642. PMID: 29318649
370. Boskey AL, Spevak L, Ma Y, Wang H, **Bauer DC**, Black DM, Schwartz AV. Insights into the bisphosphonate holiday: a preliminary FTIRI study. *Osteoporos Int.* 2018 Mar; 29(3):699705. PMID: 29204959

371. 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 Apr; 17(2). PMID: 29399943. PMCID: PMC5847880
372. Meuwese CL, van Diepen M, Cappola AR, Sarnak MJ, Shlipak MG, **Bauer DC**, Fried LP, Iacoviello M, Vaes B, Degryse J, Khaw KT, Luben RN, Åsvold BO, Bjørø T, Vatten LJ, de Craen AJM, Trompet S, Iervasi G, Molinaro S, Ceresini G, Ferrucci L, Dullaart RPF, Bakker SJL, Jukema JW, Kearney PM, Stott DJ, Peeters RP, Franco OH, Völzke H, Walsh JP, Bremner A, Sgarbi JA, Maciel RMB, Imaizumi M, Ohishi W, Dekker FW, Rodondi N, Gussekloo J, den Elzen WPJ; Thyroid Studies Collaboration. Low thyroid function is not associated with an accelerated deterioration in renal function. *Nephrol Dial Transplant*. 2018 Apr 18. doi: 10.1093/ndt/gfy071. [Epub ahead of print] PMID: 29684213
373. Floriani C, Feller M, Aubert CE, M'Rabet-Bensalah K, Collet TH, den Elzen WPJ, **Bauer DC**, Angelillo-Scherrer A, Aujesky D, Rodondi N. Thyroid Dysfunction and Anemia: A Prospective Cohort Study and a Systematic Review. *Thyroid*. 2018 Apr 30. doi: 10.1089/thy.2017.0480. [Epub ahead of print] PMID: 29631476
374. Schneider C, Feller M, **Bauer DC**, Collet TH, da Costa BR, Auer R, Peeters RP, Brown SJ, Bremner AP, O'Leary PC, Feddema P, Leedman PJ, Aujesky D, Walsh JP, Rodondi N. Initial evaluation of thyroid dysfunction - Are simultaneous TSH and fT4 tests necessary? *PLoS One*. 2018 Apr 30;13(4):e0196631. doi: 10.1371/journal.pone.0196631. eCollection 2018. PMID: 29709030
375. Duarte S, Hoang T, Ewing SK, Cawthon PM, Cummings S, Stone KL, Cauley JA, **Bauer DC**, Hillier TA, Yaffe K. Glycated peptide levels are associated with cognitive decline among non-diabetic older women. *J Gerontol A Biol Sci Med Sci*. 2018 May 7. doi: 10.1093/gerona/gly111. PMID: 29741593
376. **Bauer DC**. Osteoporosis Treatment After Hip Fracture: Bad News and Getting Worse. *Jama Open*. 2018 In Press.

NON-PEER REVIEWED PUBLICATIONS

1. **Bauer DC**. Commentary on "Effect of calcium and vitamin D supplementation on bone density in men and women 65 years of age and older." *ACP J Club*. 1998 MarchApril;128(2):47.
2. **Bauer DC**. Commentary on "Effect of calcium and vitamin D supplementation on bone density in men and women 65 years of age and older." *ACP J Club*. 1998 MarchApril;128(2):47.
3. **Bauer DC**. Commentary on "Diagnosis of thyroid disease in hospitalized patients - a systematic review." *ACP J Club*. 2000 January-February;:33.
4. **Bauer DC**. Commentary on "Human parathyroid hormone reduces fractures and increases bone mineral density in severe osteoporosis." *ACP J Club*. 2006 145(3):71.
5. **Bauer DC**. Commentary on "Current use of levothyroxine was associated with increased risk for fractures in patients \geq 70 years of age. *ACP J Club*. 2011 Sep 20;155(6):JC3-5. PMID: 21930842.

REVIEW ARTICLES

1. **Bauer DC**. "Advances in Biochemical Markers of Bone Turnover," Menopause Management.18(1):7-9.,2009.

BOOKS AND CHAPTERS

1. Lane NL, **Bauer DC**. "Perioperative Management." In: J. W. Frymoyer, ed , Orthopedic Knowledge Update IV. Rosemont, IL: American Academy of Orthopedic Surgery, pg 189201, 1993.
2. **Bauer DC**, Black, Ashby MA, and Cummings SR. "Thyroid function and bone mass of the hip in postmenopausal women." In: C. Christiansen and B. Riss, eds., Proceedings. 4th International Symposium on Osteoporosis, Aalborg, Denmark: pg 170-171, 1993.
3. **Bauer DC**, Nevitt MC, Ettinger B, Cauley JA, Ensrud K, Stone K, and Cummings SR, "Women with low serum estradiol have an increased risk of vertebral fracture: a prospective study." In: SE Papapoulos, P Lips, HAP Pols, CC Johnston, and PD Delmas, eds., Osteoporosis 1996: Proceeding of the 1996 World Congress on Osteoporosis, Amsterdam, The Netherlands: 271-275, 1996.
4. **Bauer DC**, and Cummings SR. "Osteoporosis." In: L Dornbrand, AJ Hoole, and R Fletcher, eds., Manual of Clinical Problems in Adult Ambulatory Care (3rd Edition), Boston, MA: Brown and Little, 1997.
5. **Bauer DC**. and McPhee SJ, "Thyroid disease." In: S. McPhee and F. Ganong, eds., Pathophysiology of Disease: An Introduction to Clinical Medicine (2nd Editions), Stamford, CT: Appleton and Lange: 470-487, 1997.
6. **Bauer DC**. "Clinical Utility of Quantitative Ultrasound" In: H Genant, D Hans, C Glueer, T Fuerst, and C Njeh, eds., Quantitative Ultrasound: An Assessment of Osteoporosis and Bone Status, London: Martin Dunitz:283-299, 1999.
7. **Bauer DC**. and McPhee SJ, "Thyroid disease." In: S. McPhee and F. Ganong, eds., Pathophysiology of Disease: An Introduction to Clinical Medicine (3rd Editions), Stamford, CT: Appleton and Lange: 481-499, 2000.
8. **Bauer DC**, "Biochemical markers of bone turnover: the Study of Osteoporotic Fractures." In R Eastell, M Baumann, NR Hoyle, and L Wiczorek, eds, Bone Markers: Biochemical and Clinical Perspectives, London, Martin Dunitz: 219-225, 2001.
9. **Bauer, DC**. Contributing Author. U.S. Department of Health and Human Services. Bone Health and Osteoporosis: A Report of the Surgeon General. Rockville, MD: U.S. Department of Health and Human Services, Office of the Surgeon General, 2004.
10. **Bauer DC** and McPhee SJ, "Thyroid disease." In: S. McPhee and F. Ganong, eds., Pathophysiology of Disease: An Introduction to Clinical Medicine (6nd Editions), Stamford, CT: Appleton and Lange: 2011.
11. Rogers SJ and **Bauer DC**. Hematuria. Outpatient Medicine Handbook. Department of Medicine, UCSF, 2012.
12. Shah S and **Bauer DC**. Hyperthyroidism. Outpatient Medicine Handbook. Department of Medicine, UCSF, 2012.

13. Ebinger J and **Bauer DC**. Osteoporosis. Outpatient Medicine Handbook. Department of Medicine, UCSF, 2012
14. Casino M and **Bauer DC**. Insomnia. Outpatient Medicine Handbook. Department of Medicine, UCSF, 2013.
15. **Bauer DC** and McPhee SJ, "Thyroid disease." In: S. McPhee and F. Ganong, eds., Pathophysiology of Disease: An Introduction to Clinical Medicine (7nd Editions), Stamford, CT: Appleton and Lange: 2014.
16. Secemsky M and **Bauer DC**. Insomnia. Outpatient Medicine Handbook. Department of Medicine, UCSF, 2014.
17. Lee BJ and **Bauer DC**. Hematuria. Outpatient Medicine Handbook. Department of Medicine, UCSF, 2014.
18. Wysham K and **Bauer DC**. Osteoporosis. Outpatient Medicine Handbook. Department of Medicine, UCSF, 2014.
19. Sheu L and **Bauer DC**. Hyperthyroidism. Outpatient Medicine Handbook. Department of Medicine, UCSF, 2014.
20. Goldberg S and **Bauer DC**. Hyperthyroidism. Outpatient Medicine Handbook. Department of Medicine, UCSF, 2018.
21. Aguirre A and **Bauer DC**. Osteoporosis. Outpatient Medicine Handbook. Department of Medicine, UCSF, 2018.
22. Clum F and **Bauer DC**. Insomnia. Outpatient Medicine Handbook. Department of Medicine, UCSF, 2018.

OTHER PUBLICATIONS

1. **Bauer DC**, Letter to the Editor. Ultrasound surveillance to detect postoperative venous thrombosis. JAMA, 268(19):2650-2651, 1992
2. **Bauer DC**, Letter to the Editor. Thyroid hormone use and fractures. Archives of Internal Medicine, 156(3):341-342, 1996.
3. Lanza F, Yates AJ, **Bauer DC**. Letter to the Editor. Is alendronate clinically gastrotoxic? American Journal of Gastroenterology, 93(2):284-285, 1998.
4. **Bauer DC**, Orwoll E. Letter to the Editor. Quality indicators for management of osteoporosis. Ann Intern Med. 137(7):621-2, 2002.
5. Rodondi N, Newman AB, Cappola AR, **Bauer DC**. Letter to the Editor. Association between subclinical hypothyroidism and coronary heart disease in 2006. Int J Cardiol. 2007.
6. **Bauer DC**, Vittinghof E. Letter to the Editor. Optimal thresholds, linear or non-linear relationships of fracture risk reduction with therapy. J Bone Miner Res. 23(8):1348, 2008.
7. Jamal SA, **Bauer DC**, Ensrud KE, Hochberg M, Ishani A, Cauley J, Cummings SR. Letter to the Editor. Renal function and bisphosphonate safety. J Bone Miner Res. 23(3):455, 2008.

8. Bell KJ, Hayen A, Irwig L, Macaskill P, Craig JC, Ensrud KE, **Bauer DC**. Letter to the Editor: The Value of Routine BMD Monitoring After Starting Bisphosphonate Treatment. *J Bone Miner Res*. 2009 Nov 23;25(1): 173-174. PubMed PMID:19929431.
9. **Bauer DC**. Letter to the Editor, Reply. Calcium supplements and fracture prevention. *N Engl J Med*. 2014 Jan 23;370(4):387-8. doi: 10.1056/NEJMc1314100. PubMed PMID: 24450910.
10. **Bauer DC**. Letter to the Editor. Vertebral augmentation for symptomatic compression fractures is supported by randomized clinical trials--reply. *JAMA Intern Med*. 2014 Feb 1;174(2):307-8. doi: 10.1001/jamainternmed.2013.13024. PubMed PMID: 24493617.
11. Bell KJ, Hayen A, Glasziou P, Irwig L, **Bauer, DC** Letter to the Editor. Change in Bone Mineral Density Is an Indicator of Treatment-Related Antifracture Effect. *Ann Intern Med*, 2017 166(2), 152. doi:10.7326/L16-0528.
12. Stott DJ, Rodondi N, **Bauer DC**. Letter to the Editor-Reply. Thyroid Hormone Therapy for Older Adults with Subclinical Hypothyroidism. *N Engl J Med*. 2017 10 05; 377(14):e20. PMID: 28976862

SIGNIFICANT PUBLICATIONS

1. **Bauer DC**. Calcium supplements and fracture prevention. *N Engl J Med*. 2014 Jan 23; 370(4):387-8. PMID: 24450910.

This is the first invited commentary in the NEJM to summarize and critique alarming reports of the possible association between calcium use and cardiovascular disease, calling into question the both the consistency and biologic plausibility of evidence base. The review also summarized and interpreted recent recommendations regarding adequate calcium intake, outcomes associated with sub-optimal intake and the role of diet vs. supplementary intake.

2. Black DM, Kelly MP, Genant HK, Palermo L, Eastell R, Bucci-Rechtweg C, Cauley J, Leung PC, Boonen S, Santora A, de Papp A, **Bauer DC**; the Fracture Intervention Trial and HORIZON Pivotal Fracture Trial Steering Committees. "Bisphosphonates and fractures of the subtrochanteric or diaphyseal femur." *N Engl J Med*. 2010 Mar 24. [Epub ahead of print] PubMed PMID: 20335571

This is the first paper to describe the risk of atypical subtrochanteric fractures with prolonged bisphosphonate use in clinical trials. Subtrochanteric fractures were uncommon and rates were similar among bisphosphonate and placebo-treated women. Dr. Bauer designed and supervised project, collected primary data, assisted with analyses and drafting of manuscript, critically reviewed manuscript, and was senior author.

3. Bell KJ, Hayen A, Macaskill P, Irwig L, Craig JC, Ensrud K, **Bauer DC**. "Value of routine monitoring of bone mineral density after starting bisphosphonate treatment: secondary analysis of trial data." *BMJ*. 2009 Jun 23;338:b2266. doi: 10.1136/bmj.b2266. PubMed PMID: 19549996.

This analysis from a large clinical trial found that follow-up BMD testing after initiation of bisphosphonate therapy is not helpful. Dr. Bauer designed and supervised the project, assisted with analyses and drafting of manuscript, critically reviewed manuscript, and was senior author.

4. **Bauer DC**, Garnero P, Harrison S, Cauley J, Eastell R, Ensrud K, Orwoll E; for the Osteoporotic Fractures in Men (MrOS) Research Group. "Biochemical markers of bone turnover, hip bone loss and fracture in older men: The MrOS Study." *J Bone Miner Res*. 2009 Dec;24(12):2032-38. PubMed PMID: 19453262.

This paper found that elevated biochemical markers of bone turnover are not independently associated with fracture risk in older untreated men. Dr. Bauer designed project, obtained NIH funding, collected data, designed and supervised analyses, and wrote entire paper.

5. **Bauer DC**, Black DM, Garnero P, Hochberg M, Ott S, Orloff J, Thompson DE, Ewing SK, and Delmas PD. "Change in bone turnover and hip, non-spine, and vertebral fracture in alendronate-treated women: the Fracture Intervention Trial" *J Bone Miner Res*, 2004 19:1250-8.

This is the largest and most rigorous study to date demonstrating that short-term changes in biochemical markers of bone turnover predict fracture risk among bisphosphonate-treated women, and may be clinically useful for monitoring. Dr. Bauer designed project, obtained NIH funding and analysis, collected data, designed and supervised analyses, and wrote entire paper.

OTHER CREATIVE ACTIVITIES

1. **Bauer DC**, "Prevention and treatment of osteoporotic fractures," *Audio-digest Obstetrics/Gynecology*, 47:6, March 2000.
2. **Bauer DC**, "Update on Male Osteoporosis." *Medscape Women's Health*, June 2000. Available at: <http://www.medscape.com/medscape/cno/2000/WCO/Story.cfm?storyid=1403>
3. **Bauer DC**, "Statins and bone: basic science confirmed but clinical studies conflicting." *Medscape Women's Health*, October 2000. Available at: <http://www.medscape.com/medscape/cno/2000/ASBMR/Story.cfm?storyid=1682>
4. **Bauer DC**, "Thoughts on thyroid," *Audio-Digest Family Practice*, 49:09, March 2001.
5. **Bauer DC**, "Osteoporosis in Men" *Medscape Women's Health*, June 2001. Available at <http://www.medscape.com/viewarticle/420870>.
6. **Bauer DC**, "Postfracture medical care," *Osteoporosis Ask the Expert, Medscape Ob/Gyn and Women's Health*, Sept 2003. Available at: <http://www.medscape.com>
7. **Bauer DC**, "Biochemical markers of bone turnover for osteoporosis: where do we stand?" *Medscape Women's Health*, Sept 2003. Available at <http://www.medscape.com/viewarticle/463099>
8. **Bauer DC**, "Osteoporosis and other bone problems," *Audio-Digest Family Practice*, 55:12, March 2007
9. **Bauer DC**, "Monitoring BMD after starting bisphosphonate treatment," *Journal Watch General Internal Medicine*, August 2009, available at www.audio-digest.org/jwinstructions
10. **Bauer DC**, "Osteoporosis: know your risk," *Patient Power Radio Program*, November 2009, available at <http://www.patientpower.info/strongbones/program2.asp>

11. **Bauer DC**, "Biphosphonates and atypical hip fractures - how large is the risk?" Journal Watch Editors Podcast, March 27th, 2010, available at <http://podcasts.jwatch.org/index.php/podcast-80-biphosphonates-and-atypical-hipfractures-how-large-is-the-risk/2010/03/27/>
12. **Bauer DC**, "Predicting Fracture Risk After Alendronate Discontinuation," NEJM Journal Watch Audio General Medicine, 25:12, June 2014.
13. **Bauer DC**, "Diagnosis and Treatment of Common Thyroid Disorders," Audio-Digest Obstetrics/Gynecology, 61:19, October 2014.
14. **Bauer DC**, "Update on Osteoporosis." Audio-digest Obstetrics/Gynecology, 62:3, Feb 2015.
15. **Bauer DC**, "Modern Management of Sleep Disorders," Audio-digest Obstetrics/Gynecology, 63:3, Feb 2016.