

Dominik D. Alexander, PhD, MSPH
Professional Profile

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EpidStat Institute main office: Ann Arbor, Michigan

PRINCIPAL EPIDEMIOLOGIST

Dr. Alexander, PhD, MSPH, has extensive experience in health research methodology and disease causation assessments, particularly in the conceptualization, design, analysis, and interpretation of epidemiologic studies. He is a leading expert in meta-analysis methodology. He has published on a diverse range of topics and types of studies, including original epidemiologic research, qualitative reviews, systematic weight-of-evidence assessments, and quantitative meta-analyses. Because of his expertise in research methodology, Dr. Alexander has served as principal investigator on numerous projects involving a wide variety of exposures and health outcomes. His research areas include: occupational and environmental exposures, such as asbestos, benzene, trichloroethylene, solvents, pesticides, arsenic, perfluorinated compounds, and dioxin; community health studies and cluster investigations involving air, water, and soil exposures; clinical, pharmacoepidemiology, and medical device studies including clinical trial design and support. In addition, Dr. Alexander has extensive experience in nutritional epidemiology and has conducted systematic reviews and meta-analyses of dietary and nutritional factors and cancer, cardiovascular disease, type 2 diabetes, hypertension, and body composition. His work in this area has involved studies of dietary patterns, intake of whole foods, and dietary supplements, such as meat and fat intake, dairy and egg consumption, breakfast eating, multivitamin and mineral supplements, fish oil, caffeine, coffee, and infant formula.

Dr. Alexander has over 180 peer-reviewed manuscripts, professional presentations, abstracts, and book chapters. He frequently presents on the understanding and interpretation of epidemiologic evidence in a variety of professional venues, such as national conventions, scientific conferences, and governmental regulatory forums. Dr. Alexander serves on the editorial boards of the American Journal of Clinical Nutrition and PLOS ONE. In addition, he regularly serves on scientific committees and scientific advisory meetings. Dr. Alexander was awarded a National Cancer Institute Fellowship for Cancer Prevention and Control and was the 2010 recipient of the UAB School of Public Health alumnus award for scientific excellence, based on recognition of his “significant scientific contributions through demonstrated commitment and exemplary leadership in empirical research, research methodology, or theory building or adaptation.” Dr. Alexander is a Visiting Professor of Epidemiology at the University of Copenhagen in Copenhagen, Denmark.

Dominik D. Alexander, PhD, MSPH
Curriculum Vitae

Cell: 630-390-8190
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EpidStat Institute main office: Ann Arbor, Michigan

EDUCATION

- 2004 Ph.D., Epidemiology, University of Alabama-Birmingham School of Public Health

 Concentration in cancer epidemiology
- 2001 M.S.P.H., Epidemiology and Biostatistics, University of South Florida
 College of Public Health

 Concentration in analytical methodology
- 1997 B.A.S., Community Public Health, University of Minnesota

 Minors in chemistry, mathematics, and psychology

EMPLOYMENT

- 2014–Present Principal Epidemiologist, EpidStat Institute, Ann Arbor, Michigan.
- 2004–2014 Principal Epidemiologist, Exponent Inc. Health Sciences, Chicago, Illinois and Boulder, Colorado.
- 2001–2004 Research Assistant, University of Alabama-Birmingham, National Cancer Institute Cancer Prevention and Control Fellowship, Birmingham, Alabama.
- 2000–2001 Research Assistant, Moffitt Cancer Center, Department of Radiology, Digital Medical Imaging Program, Tampa, Florida.
- 2000–2001 Teaching Assistant, Advanced Epidemiology Methods, Department of Epidemiology and Biostatistics, University of South Florida

ACADEMIC APPOINTMENTS and RESPONSIBILITIES

- 2018-Present Internship preceptor, University of Michigan, Department of Epidemiology
- 2016–Present Visiting Professor, Department of Nutrition, Exercise and Sports, Faculty of Science, University of Copenhagen, Denmark

HONORS AND AWARDS

- 2018 Appointed to the editorial board of PLOS ONE
- 2016 Most read article 2015: *Red Meat and Colorectal Cancer: A Quantitative Update on the State of the Epidemiologic Science*; Journal of the American College of Nutrition
- 2015 Appointed to the editorial board of the American Journal of Clinical Nutrition
- 2013 Certificate of Achievement, Decker Communication Training
- 2010 UAB School of Public Health Alumnus Award for Scientific Excellence
- 2010 MDLinx Featured Article
- 2001–2004 National Cancer Institute Cancer Fellowship, Cancer Prevention and Control Training Program, University of Alabama-Birmingham
- 2003 William C. Bailey Award for Excellence in Cancer Prevention and Control Research, UAB Comprehensive Cancer Center Annual Research Retreat
- 2002 Lifetime Member of MENSA High Intelligence Society
- 2000–2001 Academic Fellowship, University of South Florida

PROFESSIONAL ORGANIZATIONS

- 2009–Present American Society of Nutrition (ASN)
- 2005–Present Society for Epidemiologic Research (SER)
- 2003–Present American College of Epidemiology (ACE)
- 2011–2013 International Society of Pharmacoepidemiology (ISPE)
- 2005–2008 International Society for Environmental Epidemiology (ISEE)
- 2005–2008 American Public Health Association (APHA)
- 1999–2001 Infectious Disease Association (IDSA)

PRIMARY AREAS OF EXPERTISE

Meta-analysis methodology

Systematic reviews and weight-of-evidence assessments

Disease causation assessments

Occupational and environmental epidemiology

Nutritional epidemiology

Community health studies and alleged cluster evaluations

Clinical trial support

Chronic diseases, including cancer, cardiovascular disease, and type 2 diabetes

Dietary and lifestyle factors, such as food and supplement intake, smoking behaviors, body weight, and physical activity

Public speaking with a focus on interpreting and articulating epidemiologic evidence

PROFESSIONAL ACTIVITIES

Editorial Appointments

2018-Present Editorial Board, *PLOS ONE*

2017 Guest Editor, *Nutrients*

2015-Present Editorial Board, *American Journal of Clinical Nutrition*

2014–Present Associate Editor, *Frontiers in Nutrition Methodology*

Peer Reviewer (Abridged List)

American Journal of Clinical Nutrition

American Journal of Epidemiology

Epidemiology

Journal of the National Cancer Institute

Nutrition and Cancer

Public Health Nutrition

Journal of Food Composition and Analysis

Risk Assessment

Cancer

Cancer Epidemiology Biomarkers and Prevention

American Journal of Preventive Medicine

European Journal of Cancer Prevention

Obesity

Southern Medical Journal

International Journal of Cancer

Journal of Women's Health

British Journal of Cancer

PUBLICATIONS

Original Investigations

1. Cohen SS, Alexander DD, Krebs NF, Young BE, Cabana MD, Erdmann P, Hays NP, Bezold C, Levin-Sparenberg E, Turini M, Saavedra J. Factors Associated with breastfeeding initiation and continuation: A Meta-Analysis. *Journal of Pediatrics* [accepted]
2. Fryzek JP, Reichert H, Summers N, Townes L, Deuson R, Alexander DD, Vanderpuye-Orgle J. Indirect treatment comparison of cabazitaxel for patients with metastatic castrate-resistant prostate cancer who have been previously treated with a docetaxel-containing regimen. *PLoS One*. 2018 Apr 11;13(4):e0195790.
3. Alexander DD. In Reply I - Prescribing More Stringent Design of Randomized Clinical Trials of Omega-3 Polyunsaturated Fatty Acids. *Mayo Clinic Proceedings* 2017 Jun;92(6):1006-1007.
4. Alexander DD, Miller PE, van Elswyk M, Kuratko C, Bylsma L. A Meta-Analysis of Randomized Controlled Trials and Prospective Cohort Studies of Eicosapentaenoic and Docosahexaenoic Long Chain Omega-3 Fatty Acids and Coronary Heart Disease Risk. *Mayo Clinic Proceedings* 2017 Jan;92(1):15-29.
5. Alexander DD, Miller PE, Vargas A, Weed DL, Cohen SS. Meta-analysis of egg consumption and risk of coronary heart disease and stroke. *J Am Coll Nutr*. 2016 Nov-Dec;35(8): 704-716.
6. Alexander DD, Yan J, Bylsma LC, Northington RS, Grathwohl D, Steenhout P, Erdmann P, Spivey-Krobath E, Haschke F. Growth of infants consuming whey-predominant term infant

formulas with a protein content of 1.8 g/100 kcal: a multicenter pooled analysis of individual participant data. *Am J Clin Nutr.* 2016 Oct;104(4):1083-1092.

7. Maki KC, Guyton JR, Orringer CE, Hamilton-Craig I, Alexander DD, Davidson MH. Triglyceride-lowering therapies reduce cardiovascular disease event risk in subjects with hypertriglyceridemia. *J Clin Lipidol.* 2016 Jul-Aug;10(4):905-14.
8. Garabrant DH, Alexander DD, Miller PE, Fryzek JP, Boffetta P, Teta MJ, Hessel PA, Craven VA, Kelsh MA, Goodman M. Response to Kay Teschke. Re: Mesothelioma among Motor Vehicle Mechanics: An Updated Review and Meta-analysis. *Ann Occup Hyg.* 2016 Oct;60(8):1036-7.
9. Alexander DD, Bylsma LC, Elkayam L, Nguyen DL. Nutritional and health benefits of semi-elemental diets: A comprehensive summary of the literature. *World J Gastrointest Pharmacol Ther.* 2016 May 6;7(2):306-19.
10. J Fryzek, D Alexander, N Summers, J Frayse, H Reichert, L Townes, J Vanderpuye-Orgle. Indirect Treatment Comparison Of Cabazitaxel For Patients With Metastatic Castration-Resistant Prostate Cancer Who Have Been Previously Treated With A Docetaxel-Containing Regimen. *Value in Health.* 2016 May 19(3): A139-A140.
11. Alexander DD, Weed DL. On the need for improved methodologic quality of published reviews. *Am J Clin Nutr.* 2016 Mar;103(3):683-4.
12. Alexander DD, Bylsma LC, Vargas AJ, Cohen SS, Doucette A, Mohamed M, Irvin SR, Miller PE, Watson H, Fryzek JP. Dairy Consumption and Cardiovascular Disease: A Systematic Review and Meta-Analysis. *Br J Nutr.* 2016 Feb;115(4):737-50.
13. Garabrant DH, Alexander DD, Miller PE, Fryzek JP, Boffetta P, Teta MJ, Hessel PA, Craven VA, Kelsh MA, Goodman M. Mesothelioma among Motor Vehicle Mechanics: An Updated Review and Meta-analysis. *Ann Occup Hyg.* 2016 Jan;60(1):8-26.
14. Weaver CM, Alexander DD, Boushey CJ, Dawson-Hughes B, Lappe JM, LeBoff MS, Liu S, Looker AC, Wallace TC, Wang DD. Calcium plus vitamin D supplementation and risk of fractures: an updated meta-analysis from the National Osteoporosis Foundation. *Osteoporos Int.* 2016 Jan;27(1):367-76.
15. Bylsma LC, Alexander DD. A review and meta-analysis of prospective studies of red and processed meat, meat cooking methods, heme iron, heterocyclic amines and prostate cancer. *Nutr J.* 2015 Dec 21;14(1):125.
16. Alexander DD, Weed DL, Miller PE, Mohamed MA. 2015. Red Meat and Colorectal Cancer: A Quantitative Update on the State of the Epidemiologic Science, *J Am Coll Nutr.* 2015 Nov-Dec;34(6):521-43

17. Alexander DD, Bassett JK, Weed DL, Barrett EC, Watson H, Harris W. Meta-Analysis of Long-Chain Omega-3 Polyunsaturated Fatty Acids (LC ω -3PUFA) and prostate cancer, *Nutr Cancer*. 2015;67(4):543-54
18. Yurko-Mauro K, Alexander DD, Van Elswyk ME. 2015. Docosahexaenoic Acid and Adult Memory: A Systematic Review and Meta-Analysis. *PLoS One*. 2015 Mar 18;10(3).
19. Alexander DD, Jiang X, Bylsma LC, Garabrant DH, Irvin SR, Fryzek JP. Historical cancer incidence and mortality assessment in an Illinois community proximal to a former manufactured gas plant. *BMJ Open*. 2014 Dec 22;4(12).
20. Veruva SY, Steinbeck MJ, Toth J, Alexander DD, Kurtz SM. 2014. Which Design and Biomaterial Factors Affect Clinical Wear Performance of Total Disc Replacements? A Systematic Review. *Clin Orthop Relat Res*. 2014 Dec;472(12):3759-69
21. Tsuji JS, Perez V, Garry MR, Alexander DD. 2014. Association of low-level arsenic exposure in drinking water with cardiovascular disease: A systematic review and risk assessment. *Toxicology* 323:78-94.
22. Tsuji JS, Alexander DD, Perez V, Mink PJ. 2014. Arsenic exposure and bladder cancer: quantitative assessment of studies in human populations to detect risks at low doses. *Toxicology* 317:17-30.
23. Miller PE, Alexander DD, Perez V. 2014. Effects of whey protein and resistance exercise on body composition: a meta-analysis of randomized controlled trials. *J Am Coll Nutr* 33:163-175.
24. Schmier JK, Miller PE, Levine JA, Perez V, Maki KC, Rains TM, Devareddy L, Sanders LM, Alexander DD. 2014. Cost savings of reduced constipation rates attributed to increased dietary fiber intakes: a decision-analytic model. *BMC Public Health* 14:374. doi: 10.1186/1471-2458-14-374.:374-14.
25. Miller PE, Van EM, Alexander DD. 2014. Long-chain omega-3 fatty acids eicosapentaenoic acid and docosahexaenoic acid and blood pressure: a meta-analysis of randomized controlled trials. *Am J Hypertens* 27:885-896.
26. Miller PE, Alexander DD, Weed DL. 2014. Uncertainty of Results in Nutritional Epidemiology. *Nutrition Today* 49:147-152.
27. Alexander DD. 2013. No association between meat intake and mortality in Asian countries. *Am J Clin Nutr* 98:865-866.
28. Huhmann MB, Perez V, Alexander DD, Thomas DR. 2013. A self-completed nutrition screening tool for community-dwelling older adults with high reliability: a comparison study. *J Nutr Health Aging* 17:339-344.

29. Goswami E, Craven V, Dahlstrom DL, Alexander DD, Mowat F. 2013. Domestic asbestos exposure: a review of epidemiologic and exposure data. *Int J Environ Res Public Health* 10:5629-5670.
30. Alexander DD, Bailey WH, Perez V, Mitchell ME, Su S. 2013. Air ions and respiratory function outcomes: a comprehensive review. *J Negat Results Biomed* 12:14. doi: 10.1186/1477-5751-12-14.:14-12.
31. Perez V, Alexander DD, Bailey WH. 2013. Air ions and mood outcomes: a review and meta-analysis. *BMC Psychiatry* 13:29. doi: 10.1186/1471-244X-13-29.:29-13.
32. Alexander DD, Weed DL, Chang ET, Miller PE, Mohamed MA, Elkayam L. 2013. A systematic review of multivitamin-multimineral use and cardiovascular disease and cancer incidence and total mortality. *J Am Coll Nutr* 32:339-354.
33. Maki KC, Van Elswyk ME, Alexander DD, Rains TM, Sohn EL, McNeill S. 2012. A meta-analysis of randomized controlled trials that compare the lipid effects of beef versus poultry and/or fish consumption. *J Clin Lipidol* 6:352-361.
34. Kanas GP, Taylor A, Primrose JN, Langeberg WJ, Kelsh MA, Mowat FS, Alexander DD, Choti MA, Poston G. 2012. Survival after liver resection in metastatic colorectal cancer: review and meta-analysis of prognostic factors. *Clin Epidemiol* 4:283-301.
35. Holscher HD, Czerkies LA, Cekola P, Litov R, Benbow M, Santema S, Alexander DD, Perez V, Sun S, Saavedra JM, Tappenden KA. 2012. Bifidobacterium lactis Bb12 enhances intestinal antibody response in formula-fed infants: a randomized, double-blind, controlled trial. *JPEN J Parenter Enteral Nutr* 36:106S-117S.
36. Bryan NS, Alexander DD, Coughlin JR, Milkowski AL, Boffetta P. 2012. Ingested nitrate and nitrite and stomach cancer risk: an updated review. *Food Chem Toxicol* 50:3646-3665.
37. Alexander DD, Weed DL, Mink PJ, Mitchell ME. 2012. A weight-of-evidence review of colorectal cancer in pesticide applicators: the agricultural health study and other epidemiologic studies. *Int Arch Occup Environ Health* 85:715-745.
38. Alexander DD, Weed DL, Cushing CA, Lowe KA. 2011. Meta-analysis of prospective studies of red meat consumption and colorectal cancer. *Eur J Cancer Prev* 20:293-307.
39. Alexander DD, Cushing CA. 2011. Red meat and colorectal cancer: a critical summary of prospective epidemiologic studies. *Obes Rev* 12:e472-e493.
40. Kelsh MA, Alexander DD, Mink PJ, Mandel JH. 2010. Occupational trichloroethylene exposure and kidney cancer: a meta-analysis. *Epidemiology* 21:95-102.
41. Moolgavkar SH, Turim J, Alexander DD, Lau EC, Cushing CA. 2010. Potency factors for risk assessment at Libby, Montana. *Risk Anal* 30:1240-1248.

42. Anderson B, Hardin JM, Alexander DD, Grizzle WE, Meleth S, Manne U. 2010. Comparison of the predictive qualities of three prognostic models of colorectal cancer. *Front Biosci (Elite Ed)* 2:849-56.:849-856.
43. Alexander DD, Wagner ME. 2010. Benzene exposure and non-Hodgkin lymphoma: a meta-analysis of epidemiologic studies. *J Occup Environ Med* 52:169-189.
44. Alexander DD, Schmitt DF, Tran NL, Barraji LM, Cushing CA. 2010. Partially hydrolyzed 100% whey protein infant formula and atopic dermatitis risk reduction: a systematic review of the literature. *Nutr Rev* 68:232-245.
45. Alexander DD, Morimoto LM, Mink PJ, Lowe KA. 2010. Summary and meta-analysis of prospective studies of animal fat intake and breast cancer. *Nutr Res Rev* 23:169-179.
46. Alexander DD, Miller AJ, Cushing CA, Lowe KA. 2010. Processed meat and colorectal cancer: a quantitative review of prospective epidemiologic studies. *Eur J Cancer Prev* 19:328-341.
47. Alexander DD, Mink PJ, Cushing CA, Scurman B. 2010. A review and meta-analysis of prospective studies of red and processed meat intake and prostate cancer. *Nutr J* 9:50. doi: 10.1186/1475-2891-9-50.:50-59.
48. Alexander DD, Cabana MD. 2010. Partially hydrolyzed 100% whey protein infant formula and reduced risk of atopic dermatitis: a meta-analysis. *J Pediatr Gastroenterol Nutr* 50:422-430.
49. Erdreich LS, Alexander DD, Wagner ME, Reinemann D. 2009. Meta-analysis of stray voltage on dairy cattle. *J Dairy Sci* 92:5951-5963.
50. Alexander DD, Cushing CA. 2009. Quantitative assessment of red meat or processed meat consumption and kidney cancer. *Cancer Detect Prev* 32:340-351.
51. Alexander DD, Cushing CA, Lowe KA, Scurman B, Roberts MA. 2009. Meta-analysis of animal fat or animal protein intake and colorectal cancer. *Am J Clin Nutr* 89:1402-1409.
52. Mink PJ, Alexander DD, Barraji LM, Kelsh MA, Tsuji JS. 2008. Low-level arsenic exposure in drinking water and bladder cancer: a review and meta-analysis. *Regul Toxicol Pharmacol* 52:299-310.
53. Mandel JH, Kelsh M, Mink PJ, Alexander DD. 2008. Trichloroethylene exposure and non-Hodgkin's lymphoma: supportive evidence (letter). *Occup Environ Med* 65:147-148.
54. Kelsh MA, Alexander DD, Kalmes RM, Buffler PA. 2008. Personal use of hair dyes and risk of bladder cancer: a meta-analysis of epidemiologic data. *Cancer Causes Control* 19:549-558.
55. Alexander DD. 2007. An environmental cause of orofacial cleft defects or an unexplained cluster? *South Med J* 100:553-554.

56. Alexander DD, Waterbor J, Hughes T, Funkhouser E, Grizzle W, Manne U. 2007. African-American and Caucasian disparities in colorectal cancer mortality and survival by data source: an epidemiologic review. *Cancer Biomark* 3:301-313.
57. Alexander DD, Mink PJ, Adami H-O, Cole P, Mandel JS, Oken MM, Trichopoulos D. 2007. Multiple myeloma: A review of the epidemiologic literature. *Int J Cancer* 120:40-46.
58. Alexander DD, Mink PJ, Adami HO, Chang ET, Cole P, Mandel JS, Trichopoulos D. 2007. The non-Hodgkin lymphomas: a review of the epidemiologic literature. *Int J Cancer* 120 Suppl 12:1-39.
59. Alexander DD, Kelsh MA, Mink PJ, Mandel JH, Basu R, Weingart M. 2007. A meta-analysis of occupational trichloroethylene exposure and liver cancer. *Int Arch Occup Environ Health* 81:127-143.
60. Mandel JH, Kelsh MA, Mink PJ, Alexander DD, Kalmes RM, Weingart M, Yost L, Goodman M. 2006. Occupational trichloroethylene exposure and non-Hodgkin's lymphoma: a meta-analysis and review. *Occup Environ Med* 63:597-607.
61. Alexander DD, Mink PJ, Mandel JH, Kelsh MA. 2006. A meta-analysis of occupational trichloroethylene exposure and multiple myeloma or leukaemia. *Occup Med (Lond)* 56:485-493.
62. Chatla C, Jhala NC, Katkooi VR, Alexander D, Meleth S, Grizzle WE, Manne U. 2005. Recurrence and survival predictive value of phenotypic expression of Bcl-2 varies with tumor stage of colorectal adenocarcinoma. *Cancer Biomark* 1:241-250.
63. Saif MW, Alexander D, Wicox CM. 2005. Serum Alkaline Phosphatase Level as a Prognostic Tool in Colorectal Cancer: A Study of 105 patients. *J Appl Res* 5:88-95.
64. Alexander DD, Jhala N, Chatla C, Steinhauer J, Funkhouser E, Coffey CS, Grizzle WE, Manne U. 2005. High-grade tumor differentiation is an indicator of poor prognosis in African Americans with colonic adenocarcinomas. *Cancer* 103:2163-2170.
65. Alexander DD, Chatla C, Funkhouser E, Meleth S, Grizzle WE, Manne U. 2004. Postsurgical disparity in survival between African Americans and Caucasians with colonic adenocarcinoma. *Cancer* 101:66-76.
66. Manne U, Alexander DD, Chatla C. 2004. Author Reply: Postsurgical Disparity in Survival between African Americans and Caucasians with Colonic Adenocarcinoma. *Cancer* 101:2900.

Oral Presentations

1. Alexander DD. Eating less red meat: the evidence behind the recommendation. IFT2018: A Matter of Science + Food, Chicago, IL. July 17, 2018.

2. Alexander DD. The diet connection to cancer: understanding how food can cause, prevent or impact cancer risk. FoodFluence, Lisbon, Portugal. January 12-16, 2018.
3. Alexander DD. Epidemiology of red meat and cancer. Health Canada, Ottawa, Canada. December 15, 2017.
4. Alexander DD. Interpreting the epidemiology of red meat and cancer. International Meat Secretariat (IMS) Human Nutrition and Health Committee meeting in Paris, France, October 3, 2017.
5. Alexander DD. Epidemiology of egg consumption and risk of coronary heart disease and stroke. Webinar: What does the science say? Eggs and heart health. Egg Farmers of Canada. June 6, 2017
6. Alexander DD. Consumption: diet and lifestyle perspective. Meat and Livestock Australia Scientific Workshop. Sydney, Australia. April 10, 2017.
7. Alexander DD. Are red meat consumers unhealthy? Nutrition in Action Symposium. Sydney, Australia. April 5, 2017.
8. Alexander DD. Red meat and cancer risk: interpreting the evidence. NCBA Discovery Symposium. Denver, CO. July 27, 2016.
9. Alexander DD. Theory: bias and confounding. Strengthening Causal Inference in Behavioral Obesity Research. Summer short course; University of Alabama-Birmingham, July 25, 2016.
10. Alexander DD. Red meat and cancer risk: interpreting the evidence. Danish Nutrition Society; University of Copenhagen. Copenhagen, Denmark. June 21, 2016.
11. Alexander DD. Meta-analysis: recycling garbage or an important tool for evaluating the evidence? Drug and Medical Device Seminar. Chicago, IL. May 19-20, 2016.
12. Alexander DD. Evaluating the relationship of meat and cancer risk. Canadian Nutrition Society, Ottawa, Canada. May 5-7, 2016.
13. Alexander DD. Becoming a nutrition detective. Washington State Academy of Nutrition and Dietetics, Annual Conference. Vancouver, WA. April 18, 2016.
14. Alexander DD. Red meat and chronic disease: A closer look into the data. Utah Academy of Nutrition and Dietetics, Annual Conference. Ogden, UT. March 24, 2016.
15. Alexander DD. Meat and cancer risk: understanding the science. Protein: Contributions and Controversies. Toronto, Canada. February 29, 2016.
16. Alexander DD. Understanding the role of epidemiology in disease causation. Asbestos Medicine; DRI. Las Vegas, NV, November 5-6, 2015.

17. Alexander DD. Theory: bias and confounding in observational studies. Strengthening Causal Inference in Behavioral Obesity Research. Summer short course; University of Alabama-Birmingham, July 20, 2015.
18. Alexander DD. Red and processed meat consumption and cancer. International Meat Society. Calgary, Canada. July 1-2, 2015.
19. Alexander DD. Red meat consumption and chronic disease. Canadian Nutrition Society. Winnipeg, Canada. May 30, 2015.
20. Alexander DD. Understanding studies of diet and chronic disease. New Mexico Academy of Nutrition and Dietetics. Albuquerque, NM. April 24, 2015.
21. Alexander DD. Overview of FDA Health Claims and the Submission Process. Webinar. January 13, 2015.
22. Alexander DD. Becoming a Nutrition Detective: Critically Reviewing Research and Communicating Science. DBC Communications Camp, Academy of Nutrition and Dietetics. Las Vegas, NV; January 17, 2015.
23. Alexander DD. State of the epidemiologic science on red meat and chronic disease. Health Canada. Ottawa, Canada; October 22, 2014
24. Alexander DD. Observational epidemiologic studies of breakfast intake. Kellogg Scientific Advisory Board Meeting. Battle Creek, MI; October 1, 2014.
25. Alexander DD. Caffeine intake during pregnancy: the pregnancy signal and reproductive outcomes. The Toxicology Forum, 40th Annual Summer Meeting, Aspen, CO, July 7-10, 2014.
26. Alexander DD. Understanding studies of diet and chronic disease. Delaware Dietetic Association, Dover, DE, May 9, 2014.
27. Alexander DD. Red meat and colorectal cancer: a quantitative update on the state of the science. Experimental Biology, San Diego, CA, April 27, 2014.
28. Alexander DD. Nutrition Detective: An Epidemiologist's Investigation into Diet and Chronic Disease. 31st Annual Health & Nutritional Sciences Conference, South Dakota State University, April 10, 2014.
29. Alexander DD. Summarizing, Interpreting, and Communicating Epidemiologic Evidence. GOED Exchange, Salt Lake City, UT, February 6, 2014.
30. Alexander DD. Synthesizing and Summarizing Epidemiology Evidence, Health Economics, and Fiber and Constipation. Food & Fiber Summit: Identifying Practical Solutions to Meet America's Fiber Needs, Washington DC, January 28, 2014.

31. Alexander DD. Interpreting Epidemiologic Evidence, and a Case Study on Red Meat and Colorectal Cancer. Oncology Nutrition Symposium, Hollywood, FL, January 18, 2014.
32. Alexander DD. OMEGA-3 LC-PUFAs: Judging the Epidemiologic Evidence. GOED Fall Member Meeting at the SupplySide West Tradeshow, Las Vegas, NV, November 14, 2013.
33. Alexander DD. Nutritional Epidemiology: Are We Overstating the Evidence? Missouri Academy of Family Physicians, 21st Annual Fall Conference, Branson, MO, November 9, 2013
34. Alexander DD. Interpreting Epidemiologic Evidence. DRI Asbestos Medicine Seminar, New Orleans, LA, November 8, 2013.
35. Alexander DD. DRI Research Roundtable: Full-Fat Dairy Products in Nutrition and Health (panel discussant). October 10, 2013.
36. Alexander DD. Update on Red Meat and Colorectal Cancer. International Meat Society Annual Meeting. Granada Spain (webinar), September 14, 2013.
37. Alexander DD. Sustainable Nutrition Roundtable (panel discussant). August 2, 2013.
38. Alexander DD. Dairy and body composition: Making sense of meta-analyses. Dairy Research Institute Meeting: Dairy and Weight, Chicago, IL, June 4–5, 2013.
39. Alexander DD. Nitrate and nitrite exposure and stomach cancer: summary of the epidemiologic evidence. Canadian Nutrition Society, Annual Meeting, Quebec City, Canada, May 31, 2013.
40. Alexander DD. Meta-analysis: Judging the evidence, fish oil and cardiovascular disease. AOCS: Omega-3 Fatty Acids and Heart Health, Montreal, Canada, April 28–May 1, 2013.
41. Alexander DD. Epidemiologic evidence: Investigation Into diet and chronic disease. MINK Conference: Nutrition Without Boundaries, Kansas City, KS, April 6, 2013.
42. Alexander DD. A systematic review of multivitamin use and mortality, cardiovascular disease, and cancer. Council for Responsible Nutrition (CRN): Day of Science, Laguna Beach, CA, October 2–3, 2012.
43. Alexander DD. Diet and cancer: Are we asking the right question? Cancer Society of New Zealand, New Zealand Ministry of Health, Network Communications, Wellington, New Zealand, September 11, 2012.
44. Alexander DD. Interpreting meta-analyses for dietetic practice. Professional development session for New Zealand dietitians, University of Otago, Dunedin, New Zealand, September 10, 2012.

45. Huhmann MB, Kaspar KM, Perez V, Alexander DD, Thomas DR. Accuracy of a new self-completed nutrition screening tool for community-dwelling older adults. Oral Presentation at the European Society for Clinical Nutrition and Metabolism, Barcelona, Spain, September 8–11, 2012.
46. Alexander DD. Interpreting meta-analysis for dietitians in practice. International Congress of Dietetics, Dieticians Association of Australia. Sydney, Australia, September 7, 2012.
47. Alexander DD. Red meat and colorectal cancer: Are we asking the right question(s)? Diet and Gut Health Symposium. Nutrition Society of Australia. Sydney, Australia, September 5, 2012.
48. Alexander DD. Diet and gut health round table meeting and presentation. Meat & Livestock Australia, Sydney, Australia, September 4, 2012.
49. Alexander DD. An update on red meat and cancer. Webinar, International Congress of Meat Science and Technology, Montreal, Canada, August 12–17, 2012.
50. Alexander DD. How to improve the research integrity of meta-analyses and systematic reviews. Scientific Approaches to Strengthening Research Integrity in Nutrition and Energetics, Mohonk Mountain House, NY, August 7–8, 2012.
51. Alexander DD. Sustainable agriculture and the integration of plant- and animal-based foods. California Milk Advisory Board, San Francisco, CA, July 25, 2012.
52. Alexander DD. Nitrate and nitrite exposure and stomach cancer: Summary of the epidemiologic evidence. IFT Annual Meeting, Las Vegas, NV, June 25–28, 2012.
53. Perez V, Schmier JK, Alexander DD. Race/ethnic disparities in pediatric discharges from all US community, non-rehabilitation hospitals for respiratory syncytial virus (RSV) among children one year or younger. Oral presentation at the 45th Annual Society for Epidemiologic Research (SER) Meeting, Minneapolis, MN, June 27–30, 2012.
54. Alexander DD. The nutrition detective: An epidemiologist's look at diet and chronic disease conundrums. New York State Dietetic Association 2012 Annual Meeting & Expo, Albany, NY, May 4–5, 2012.
55. Alexander DD. Epidemiology: Methods for weighing the evidence. MDLA Young Lawyers Meeting, Minneapolis, MN, February 9, 2012.
56. Alexander DD. Nutritional epidemiology: Weighing the evidence and a case study on red meat intake and colorectal cancer. MeatEat Nutritional Conference, Oslo, Norway, September 1, 2011.
57. Alexander DD. Prevalence of bone metastasis from breast, lung or prostate cancer: A systematic and quantitative review of the literature. International Conference on Pharmacoepidemiology, Chicago, IL, August 15–17, 2011.

58. Alexander DD. Benzene epidemiology: Weighing the evidence and a case study of non-Hodgkin lymphoma. Benzene Litigation Conference Audiocast, Chicago, IL, July 13, 2011.
59. Alexander DD. Red meat consumption and colorectal cancer: A meta-analysis of prospective epidemiologic studies. Congress of Epidemiology, Montreal, Canada, June 21, 2011.
60. Alexander DD. Translating the science: Red meat & cancer. Ranch Event 2011, Texas Beef Council, San Antonio, TX, June 2, 2011.
61. Alexander DD. Epidemiology consulting and a case study on red meat and cancer. Distinguished Alumni Investigator Lecture, Birmingham, AL, March 23, 2011.
62. Alexander DD. Nutritional epidemiology: Weighing the evidence. International Life Sciences Institute-ILSI North America Annual Meeting, Orlando, FL, January 24–25, 2011.
63. Alexander DD. The nutrition detective: Translating nutrition science into practice. Texas Dietetics Association. December 8, 2010 (webinar).
64. Alexander DD. The epidemiology of red and processed meat consumption and cancer and cardiovascular disease. The role of red meats in a healthy diet: U.S. Meat Export Federation, Mexico City, Mexico, October 20, 2010 (Keynote speaker).
65. Alexander DD. Meat consumption and cancer: An epidemiologic overview. Live Well, Napa Valley, June 10, 2010.
66. Alexander DD. Red meat consumption and colorectal cancer: A meta-analysis of prospective studies. Experimental Biology, Anaheim, CA, April 26, 2010.
67. Alexander DD. A weight-of-evidence review of colorectal cancer in pesticide applicators: The Agricultural Health Study and other Epidemiologic Studies. CropLife America/Rise Spring Conference, Washington DC, April 15, 2010.
68. Alexander DD. Meat and Cancer. American Meat Institute, Spring Meeting, April 14, 2010.
69. Alexander DD, Weed DL. Ongoing assessment of pesticides and colorectal cancer: A weight of evidence evaluation of epidemiologic literature. Environmental Protection Agency SAP draft framework, Washington DC, February 2, 2010.
70. Alexander DD. Benzene exposure and non-Hodgkin lymphoma: a meta-analysis. Society for Epidemiologic Research, Anaheim, CA, June 24, 2009 (Spotlight Session).
71. Alexander DD. The epidemiology of red and processed meat and cancer. IMS Human Nutrition and Health Committee meeting, Chicago, IL, May 20, 2009 (Invited Speaker).
72. Erdreich LS, Wagner M, Van Kerkhove M, Alexander DD. Stray voltage meta-analysis: needs, methods and challenges. 46th Annual Rural Energy Conference, La Crosse, WI, February 28, 2008.

73. Alexander DD. Epidemiologic evaluation of red meat and cancer. Cattle Industry Convention & Trade Show, Nutrition Roundtable, Reno, NV, February 7, 2008.
74. Alexander DD. Red meat scientific assessment. Industry Stakeholder Cancer Forum, Chicago, IL, October 11, 2007.
75. Alexander DD. Meta-analysis of occupational trichloroethylene exposure and lymphohematopoietic malignancies and liver cancer. Epidemiology Seminar Series, University of Illinois, Chicago, IL, November 17, 2006.
76. Kelsh MA, Mandel JH, Mink PJ, Weingart M, Alexander DD, Goodman M. A meta-analysis of kidney cancer, non-Hodgkin's lymphoma and occupational trichloroethylene exposure. Proceedings, 2nd North American Congress of Epidemiology, Seattle, WA, June 2006.
77. Mink PJ, Alexander DD, Barraj L, Kelsh Ma, Tsuji J. A review and meta-analysis of low-level arsenic exposure in drinking water and bladder cancer. Presentation to the Canadian Pest Management Regulatory Agency, Ottawa, Canada, June 2006.
78. Mandel JH, Alexander DD, Kelsh MA. Occupational trichloroethylene exposure: recent insights from epidemiologic and toxicologic perspectives. State of the Art Conference of the American College of Occupational and Environmental Medicine, Chicago, IL, October 2005.

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1. Kelsh MA, Alexander DD. Occupational and environmental epidemiology. In: Encyclopedia of Epidemiology. Sage Publications, Thousand Oaks, CA, 2007.

Abstracts

1. Bylsma L, Alexander DD. A Review and Meta-Analysis of Prospective Studies of Red and Processed Meat, Meat Cooking Methods, Heme Iron, Heterocyclic Amines and Prostate Cancer. Experimental Biology, San Diego, CA, April 2-6, 2016.
2. Miller PE, Alexander DD. A Review and Meta-Analysis of Prospective Studies of Red and Processed Meat and Pancreatic Cancer. Experimental Biology, San Diego, CA, April 2-6, 2016.
3. Althuis M, Alexander DD, Frankenfeld F, Weed DL. Meta-analysis of observational studies in context: sugar-sweetened beverages and type 2 diabetes. Federation of American Societies for Experimental Biology (FASEB). March, 2015
4. Alexander DD, Weed DL. Red meat and colorectal cancer: a quantitative update on the state of the science. Experimental Biology, San Diego, CA, April 26-30, 2014.

5. Alexander DD, Mitchell M, Taylor A, Lowe K, Langeberg W, et al. Prevalence of bone metastasis in breast cancer patients and subsequent survival: A systematic and quantitative review of the literature. San Antonio Breast Cancer Symposium, San Antonio, TX, December 6–10, 2011.
6. Mitchell M, Taylor A, Lowe K, Langeberg W, Alexander DD, et al. Prevalence of bone metastasis from breast, lung or prostate cancer: A systematic and quantitative review of the literature. International Conference on Pharmacoepidemiology, Chicago, IL, August 15–17, 2011.
7. Taylor A, Kanas G, Primrose J, Langeberg W, Alexander DD, et al. Survival after surgical resection of hepatic metastases from colorectal cancer: An updated review and meta-analysis. World Congress on Gastrointestinal Cancer, Barcelona, Spain, June 22–25, 2011.
8. Alexander DD, Perez V, Cushing C, Weed DL. Red meat consumption and colorectal cancer: A meta-analysis of prospective epidemiologic studies. Congress of Epidemiology, Montreal, Canada, June 21, 2011.
9. Perez V, Alexander DD, Cushing C. Processed meat consumption and stomach cancer: A meta-analysis of prospective epidemiologic studies. Congress of Epidemiology, Montreal, Canada, June 21, 2011.
10. Maki KC, Van Elswyk ME, Alexander DD, Rains TM, Sohn EL, McNeill S. A meta-analysis of randomized controlled trials comparing lipid effects of beef with poultry and/or fish consumption. National Lipid Association Annual Scientific Sessions, May, 2011; Abstract 393.
11. Alexander DD. Meta-analysis of prospective epidemiologic studies of red meat intake and colorectal cancer. American Association for Cancer Research, Orlando, FL, April 2–6, 2011.
12. Alexander DD, Cabana MD. Partially hydrolyzed 100% whey protein infant formula and reduced risk of atopic dermatitis: A meta-analysis. Pediatric Academic Societies, Vancouver, BC, Canada, May 1–4, 2010.
13. Alexander DD, Cushing CA. A meta-analysis of red or processed meat intake and prostate cancer. Society for Epidemiologic Research, Anaheim, CA, 2009.
14. Alexander DD, Wagner ME, Kelsh MA. Benzene exposure and non-Hodgkin lymphoma: A meta-analysis. Society for Epidemiologic Research, Anaheim, CA, June 24, 2009.
15. Alexander DD, Schmitt D, Tran N, Barraj L, Cushing CA. Partially hydrolyzed 100% whey infant formula and atopic dermatitis risk reduction: A systematic review of the literature. Experimental Biology, New Orleans, LA, 2009.
16. Alexander DD, Cushing CA, Lowe KL. Meta-analysis of animal fat intake and colorectal cancer. Experimental Biology, New Orleans, LA, 2009.

17. Alexander DD, Cushing CA, Roberts MA. Quantitative assessment of red and processed meat intake and kidney cancer. *Experimental Biology*, New Orleans, LA, 2009.
18. Lowe KL, Alexander DD, Morimoto LM. Meta-analysis of animal fat intake and breast cancer. *Experimental Biology*, New Orleans, LA, 2009.
19. Morimoto LM, Alexander DD, Cushing CA. Meta-analysis of red and processed meat consumption and breast cancer. *Experimental Biology*, New Orleans, LA, 2009.
20. Manne U, Grizzle WE, Alexander DD, Katkooi V. Racial differences in colorectal cancer: the need to educate clinicians and researchers for improved patient care. American Association for Cancer Education, 41st Annual Meeting, Birmingham, AL, October 2007.
21. Gatto NM, Alexander DD, Kelsh MA. A meta-analysis of occupational exposure to hexavalent chromium and stomach cancer. *Epidemiology*, Sept 2007; Vol 18, issue 5, pS33.
22. Alexander DD, Mink PJ, Mandel JH, Kelsh MA. A meta-analysis of occupational trichloroethylene exposure and multiple myeloma or leukemia. *Proceedings 2nd North American Congress of Epidemiology*, Seattle, WA, June 2006.
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24. Mink PJ, Alexander DD, Barraj L, Kelsh MA, Tsuji J. Meta-analysis of low level arsenic exposure and bladder cancer. *Proceedings, 2nd North American Congress of Epidemiology*, Seattle, WA, June 2006.
25. Alexander DD, Mink PJ, Butchko H. How "fast food" is used and interpreted in scientific research: methodological considerations. *Proceedings, Experimental Biology 2006*, San Francisco, CA, April 2006.
26. Kapica CM, Alexander DD, Mink PJ, Butchko H. The definition of fast food in published studies. *Proceedings, Experimental Biology 2006*, San Francisco, CA, April 2006.
27. Alexander D, Chatla C, Funkhouser E, Jhala N, Grizzle WE, Manne U. Racial differences in survival based on tumor differentiation and stage in patients who have undergone surgery for colon cancer. *J Clin Oncol* 2004; 22:14S (July Supplement).
28. Alexander D, Funkhouser E, Saif M. Alkaline phosphatase (AP) as a prognostic tool in colorectal cancer (CRC). *Proceedings, American Society of Clinical Oncology* 2003; 22:354.
29. Malhotra P, Kallergi M, Alexander D, et al. Discrepancies between film and digital mammography interpretations. *Medical Imaging 2002, Proceedings of SPIE (The International Society for Optical Engineering)*, February 2002.

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Poster Presentations

1. Weed DL, Alexander DD. A systematic review of Hill's criteria. Society of Toxicology. San Antonio, TX, March 11-15, 2018.
2. Fryzek J, Alexander DD, Summers N, Frayssse J, Reichert H, Townes L, Vanderpuye-Orgle J. Indirect treatment comparison of cabazitaxel for patients with metastatic castration-resistant prostate cancer who have been previously treated with a docetaxel-containing regimen. International Society for Pharmacoeconomics and Outcomes Research (ISPOR). Washington DC. May 21-25, 2016
3. Miller PE, Alexander DD. A Review and Meta-analysis of Prospective Studies of Red and Processed Meat and Pancreatic Cancer. Experimental Biology. San Diego, CA. April 4, 2016.
4. Maki KC, Guyton JR, Orringer CE, Hamilton-Craig I, Alexander DD, Davidson MH: Triglyceride-lowering therapies reduce cardiovascular disease event risk in subjects with hypertriglyceridemia. National Lipid Association Scientific Sessions, Chicago, IL, USA, June 11–14, 2015
5. Bylsma L, Miller P, Alexander DD. Meta-analysis of red meat intake and type 2 diabetes. Experimental Biology. Boston, MA, March 31, 2015.
6. Tsuji JS, Alexander DD, Perez V. Low-level arsenic in drinking water and bladder cancer risk: Meta-analysis update and risk assessment implications. Annual Meeting of the Society of Toxicology, San Antonio, TX, March 10–14, 2013.
7. Perez V, Alexander DD, Bailey WH. Air ions and mood outcomes: A review and meta-analysis. Poster presentation at the American College of Epidemiology, Chicago, IL, September 8–11, 2012.
8. Huhmann MB, Kaspar KM, Perez V, Alexander DD, Thomas DR. Accuracy of a self-completed nutrition screening tool for community-dwelling older adults when completed by the patient or caregivers. Poster presentation at the International Academy on Nutrition and Aging Meeting, Albuquerque, NM, July 12–13, 2012.
9. Perez V, Schmier JK, Alexander DD. Race/ethnic disparities in pediatric discharges from all US community, non-rehabilitation hospitals for respiratory syncytial virus (RSV) among children one year or younger. Oral presentation at the 45th Annual Society for Epidemiologic Research (SER) Meeting, Minneapolis, MN, June 27–30, 2012.

10. Alexander DD, Mitchell M, Taylor A, Lowe K, Langeberg W, et al. Prevalence of bone metastasis in breast cancer patients and subsequent survival: A systematic and quantitative review of the literature. San Antonio Breast Cancer Symposium, San Antonio, TX, December 6–10, 2011.
11. Alexander DD, Perez V, Cushing C, Weed DL. Red meat consumption and colorectal cancer: A meta-analysis of prospective epidemiologic studies. Congress of Epidemiology, Montreal, Canada, June 21, 2011.
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14. Alexander DD, Mink PJ, Mandel JH, Kelsh MA. A meta-analysis of occupational trichloroethylene exposure and multiple myeloma or leukemia. Proceedings, 2nd North American Congress of Epidemiology, Seattle, WA, June 2006.
15. Mink PJ, Alexander DD, Barraj L, Kelsh MA, Tsuji J. Meta-analysis of low level arsenic exposure and bladder cancer. Proceedings, 2nd North American Congress of Epidemiology, Seattle, WA, June 2006.
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17. Kapica CM, Alexander DD, Mink PJ, Butchko H. The definition of fast food in published studies. Experimental Biology 2006, San Francisco, CA, April 2006.
18. Mink PJ, Alexander DD, Barraj LM, Kelsh MA, Tsuji JS. Meta-analysis of low level arsenic exposure and bladder cancer: implications for risk assessment in the United States. 45th Annual Meeting of the Society of Toxicology, San Diego, CA, March, 2006.
19. Alexander D, Jhala N, Chatla C, Steinhauer J, Funkhouser E, Coffey C, Grizzle WE, Manne U. Racial differences in survival based on tumor differentiation and stage in patients who have undergone surgery for colon cancer. The 2004 American Society of Clinical Oncology Annual Meeting, New Orleans, LA, June 2004.
20. Chatla C, Alexander D, Manne U. Prognostic significance of Bcl-2 expression and p53 nuclear accumulation based on nodal status in patients with colorectal adenocarcinoma. The 95th Annual meeting of the American Association for Cancer Research, Orlando, Florida, March 2004.

21. Alexander D. Post-surgical disparity in survival between African-Americans and Caucasians with colonic adenocarcinomas. The UAB Comprehensive Cancer Center Annual Research Retreat, Birmingham, Alabama, October 2003.
22. Malhotra P, Kallergi M, Alexander D, et al. Discrepancies between film and digital mammography interpretations. The annual meeting for Medical Imaging: Observer Performance Studies, San Diego, CA, February 26–28, 2002. (Poster Presentation, Presenter: P. Malhotra).
23. Alexander D, Malhotra P, Kallergi M, et al. Digital vs. film mammography. The American Association of Physicists in Medicine Conference, Salt Lake City, UT, July 22–26, 2001.