

CURRICULUM VITAE

Katherine Adams Guthrie, Ph.D.

Education

1997-2001 Ph.D., Biostatistics, University of Washington, Seattle, Washington
1995-1997 M.S., Biostatistics, University of Washington, Seattle, Washington
1985-1989 B.S. cum laude, Mathematics, Bates College, Lewiston, Maine

Faculty Positions

2015- Member, Cancer Prevention Program, Public Health Sciences Division, Fred Hutchinson Cancer Research Center, Seattle, Washington
2015-2017 Member (Joint Appointment), Clinical Research Division, Fred Hutchinson Cancer Research Center, Seattle, Washington
2008-2015 Associate Member (Primary Appointment), Cancer Prevention Program, Public Health Sciences Division, Fred Hutchinson Cancer Research Center, Seattle, Washington
2008-2015 Associate Member (Joint Appointment), Clinical Statistics, Clinical Research Division, Fred Hutchinson Cancer Research Center, Seattle, Washington
2002-2008 Affiliate Assistant Professor, Department of Biostatistics, University of Washington, Seattle, Washington
2001-2008 Assistant Member (Primary Appointment), Clinical Statistics, Clinical Research Division, Fred Hutchinson Cancer Research Center, Seattle, Washington
2001-2008 Assistant Member (Joint Appointment), Biostatistics and Biomathematics, Public Health Sciences Division, Fred Hutchinson Cancer Research Center, Seattle, Washington

Honors

2000 Outstanding Student Award, Department of Biostatistics, University of Washington
1989 Phi Beta Kappa, Bates College

Professional Organizations

American Statistical Association
Society for Clinical Trials

Editorial Responsibilities

Editorial Board: *Clinical Cancer Research*

Ad-hoc reviewer: *Biology of Blood and Marrow Transplantation, Blood, BMC Pediatrics, Climacteric, Clinical Trials, The International Journal of Biostatistics, JAMA Oncology, Journal of Clinical Oncology, Journal of Clinical Psychopharmacology, Journal of the National Cancer Institute, PLoS ONE, Statistics in Medicine, Women's Midlife Health*

National Positions

- 2017 Reviewer, NIH/NIA Special Emphasis Panel, Epidemiology and Cohort Studies for Alzheimer's Disease, Related Dementias, and Cognitive Resilience (R01)
- 2016- Member, Data and Safety Monitoring Board (DSMB), NIH/NIA sponsored study, "Transdermal Nitroglycerin Therapy for Menopausal Hot Flashes"
- 2014- Faculty Statistician, SWOG Cancer Survivorship Committee
- 2013- Member, NIH/NCI Gastrointestinal Steering Committee
- 2013- Faculty Statistician, SWOG Gastrointestinal Committee
- 2013- Reviewer, Susan G. Komen for the Cure Investigator-Initiated Research Grants
- 2011-2016 Member, DSMB, NIH/NIAMS sponsored study, "Effect of Adrenal and Gonadal Hormones on Bone Marrow and Appendicular Bone Density"
- 2010-2011 Member, DSMB, NIH/NIAMS sponsored study, "The Treatment of Methotrexate Resistant Rheumatoid Arthritis with Aminopterin"
- 2007, 2012 Reviewer, NIH/NIAID Special Emphasis Panel, Clinical Trials in Organ Transplantation in Children (U01)

Local Positions

- 2016-2017 Member, PHS Behavioral Economist and Patient-Reported Outcome Faculty Search Committees
- 2013- Member, PHS Faculty Merit Review Working Group
- 2013- Member, DSMB, FHCRC Nonmyeloablative transplantation protocols (Multiple PIs)
- 2012- Member, DSMB, FHCRC Protocol 2603 (Filippo Milano, PI)
- 2012- Member, DSMB, FHCRC Protocol 2533 (George Georges, PI)
- 2010-2013 Member, FHCRC Clinical Research Division Appointments & Promotions Committee
- 2009-2011 Member, DSMB, FHCRC Protocol 2067 (George Georges, PI)
- 2009- Member, DSMB, FHCRC Protocol 2000 (Hans-Peter Kiem, PI)
- 2006- Member, DSMB, FHCRC Protocol 1353 (Ann Woolfrey, PI)
- 2005-2006 Member, DSMB, FHCRC Protocol 1998 (George McDonald, PI)
- 2003-2013 Member, FHCRC Institutional Animal Care and Use Committee
- 2003-2008 Independent Statistician, DSMB, FHCRC Protocol 1697 (Paul Martin, PI)

Publications in Refereed Journals

1. Meisel JA, **Guthrie KA**, Breslow NE, Donaldson SS, Green DM: Significance and management of computed tomography detected pulmonary nodules: a report from the National Wilms Tumor Study Group. *Int J Radiat Oncol Biol Phys* 44 (3):579-85, 1999.

2. Shamberger RC, **Guthrie KA**, Ritchey ML, Haase GM, Takashima J, Beckwith JB, D'Angio GJ, Green DM, Breslow NE: Surgery-related factors and local recurrence of Wilms tumor in National Wilms Tumor Study 4. *Ann Surg* 229 (2):292-7, 1999. PMC1191644
3. Breslow NE, Partin AW, Lee BR, **Guthrie KA**, Beckwith JB, Green DM: Nuclear morphometry and prognosis in favorable histology Wilms' tumor: A prospective reevaluation. *J Clin Oncol* 17 (7):2123-26, 1999.
4. Porteus MH, Narkool P, Neuberg D, **Guthrie K**, Breslow N, Green DM, Diller L: Characteristics and outcome of children with Beckwith-wiedemann syndrome and Wilms' tumor: A report from the national Wilms tumor study group. *J Clin Oncol* 18 (10):2026-31, 2000.
5. **Guthrie KA**, Sheppard L: Overcoming biases and misconceptions in ecological studies. *J Roy Statist Soc Ser A* 164 (Part 1):141-54, 2001.
6. Hogeboom CJ, Grosser SC, **Guthrie KA**, Thomas PR, D'Angio GJ, Breslow NE: Stature loss following treatment for Wilms tumor. *Med Pediatr Oncol* 36:295-304, 2001.
7. **Guthrie KA**, Sheppard L, Wakefield J: A hierarchical aggregate data model with spatially correlated disease rates. *Biometrics* 58 (4):898-905, 2002.
8. Lambert NC, Lo YMD, Erickson TD, Tylee TS, **Guthrie KA**, Furst DE, Nelson JL: Male microchimerism in healthy women and women with scleroderma: cells or circulating DNA? A quantitative answer. *Blood* 100:2845-51, 2002.
9. Stirewalt DL, **Guthrie KA**, Beppu L, Bryant EM, Doney K, Gooley T, Appelbaum FR, Radich JP: Predictors of relapse and overall survival in Philadelphia chromosome-positive acute lymphoblastic leukemia after transplantation. *Biol Blood Marrow Transplant* 9(3):206-212, 2003.
10. Akpek G, Lee SJ, Flowers ME, Pavletic SZ, Arora M, Lee S, Piantadosi S, **Guthrie KA**, Lynch JC, Takatu A, Horowitz MM, Antin JH, Weisdorf DJ, Martin PJ, Vogelsang GB: Performance of a new clinical grading system for chronic graft-versus-host disease: a multicenter study. *Blood* 102:802-809, 2003.
11. Fukuda T, Hackman RC, **Guthrie KA**, Sandmaier BM, Boeckh M, Maris MB, Maloney DG, Deeg HJ, Martin PJ, Storb RF, Madtes DK: Risks and outcomes of idiopathic pneumonia syndrome after nonmyeloablative and conventional conditioning regimens for allogeneic hematopoietic stem cell transplantation. *Blood* 102:2777-85, 2003.
12. Stewart B, Verdugo M, **Guthrie KA**, Appelbaum F, Deeg HJ: Outcome following haematopoietic cell transplantation in patients with myelodysplasia and del (5q) karyotypes. *Br J Haematol* 123:879-85, 2003.
13. Adams KM, Mandel LS, **Guthrie KA**, Atkinson MW: Interleukin-18 in the plasma of women with preeclampsia. *Am J Obstet Gynecol* 188(5):1234-7, 2003.
14. Andersen MR, **Guthrie KA**, Urban N: Assertiveness with physicians: does it predict mammography use? *Women Health* 39(2):1-12, 2004.

15. Lambert NC, Erickson TD, Yan Z, Pang JM, **Guthrie KA**, Furst DE, Nelson JL: Quantification of maternal microchimerism by HLA-specific real-time polymerase chain reaction: studies of healthy women and women with scleroderma. *Arthritis Rheum* 50(3):906-14, 2004.
16. Fukuda T, Boeckh M, **Guthrie KA**, Mattson DK, Owens S, Wald A, Sandmaier BM, Corey L, Storb RF, Marr KA: Invasive aspergillosis before allogeneic hematopoietic stem cell transplantation: 10-year experience at a single transplant center. *Biol Blood Marrow Transplant* 10:494-503, 2004.
17. Adams KM, Holmberg LA, Leisenring W, Fefer A, **Guthrie KA**, Tylee TS, McDonald GB, Bensinger WI, Nelson JL: Risk factors for syngeneic graft-versus-host disease after adult hematopoietic cell transplantation. *Blood* 104:1894-7, 2004.
18. Disis ML, Schiffman K, **Guthrie K**, Salazar LG, Knutson KL, Goodell V, dela Rosa C, Cheever MA: Effect of dose on immune response in patients vaccinated with an HER-2/neu intracellular domain protein-based vaccine. *J Clin Oncol* 22(10):1916-25, 2004.
19. Nichols WG, **Guthrie KA**, Corey L, Boeckh M: Influenza infections after hematopoietic stem cell transplantation: risk factors, mortality, and the effect of antiviral therapy. *Clin Infect Dis* 39:1300-6, 2004.
20. Panse JP, Heimfeld S, **Guthrie KA**, Maris MB, Maloney DG, Baril BB, Little M-T, Chauncey TR, Storer BE, Storb R, Sandmaier BM: Allogeneic peripheral blood stem cell graft composition affects early T-cell chimaerism and later clinical outcomes after non-myeloablative conditioning. *Br J Haematol* 128:659-667, 2005.
21. Hingorani SR, **Guthrie K**, Batchelder A, Schoch G, Aboulhosn N, Manchion J, McDonald GB: Acute renal failure after myeloablative hematopoietic cell transplant: incidence and risk factors. *Kidney Int* 67(1):272-7, 2005.
22. Sanders JE, **Guthrie KA**, Hoffmeister PA, Woolfrey AE, Carpenter PA, Appelbaum FR: Final adult heights of patients who received hematopoietic cell transplantation in childhood. *Blood* 105(3):1348-54, 2005.
23. Oehler VG, Radich JP, Storer B, Blume KG, Chauncey T, Clift R, Snyder DS, Forman SJ, Flowers MED, Martin P, **Guthrie KA**, Negrin RS, Appelbaum FR, Bensinger W: Randomized trial of allogeneic related bone marrow transplantation versus peripheral blood stem cell transplantation for chronic myeloid leukemia. *Biol Blood Marrow Transplant* 11(2):85-92, 2005.
24. Yan Z, Lambert NC, **Guthrie KA**, Porter AJ, Loubiere LS, Madeleine MM, Stevens AM, Hermes HM, Nelson JL: Male microchimerism in women without sons: quantitative assessment and correlation with pregnancy history. *Am J Med* 118(8):899-906, 2005.
25. Stevens AM, Tsao BP, Hahn BH, **Guthrie K**, Lambert NC, Porter AJ, Tylee TS, Nelson JL: Maternal HLA class II compatibility in men with systemic lupus erythematosus. *Arthritis Rheum* 52(9):2768-73, 2005.
26. Tomlinson GE, Breslow NE, Dome J, **Guthrie KA**, Norkool P, Li S, Thomas PRM, Perlman E, Beckwith JB, D'Angio GJ, Green DM: Rhabdoid tumor of the kidney in the national Wilms' tumor study: age at diagnosis as a prognostic factor. *J Clin Oncol* 23(30):7641-5, 2005.
27. Gadi VK, Nelson JL, Boespflug ND, **Guthrie KA**, Kuhr CS: Soluble donor DNA concentrations in recipient serum correlate with pancreas-kidney rejection. *Clin Chem* 52:379-82, 2006.

28. Yan Z, Lambert NC, Østensen M, Adams KM, **Guthrie KA**, Nelson JL: Prospective study of fetal DNA in serum and disease activity during pregnancy in women with inflammatory arthritis. *Arthritis Rheum* 54(7):2069-73, 2006.
29. Erard V, **Guthrie KA**, Riddell S, Boeckh M: Impact of HLA A2 and cytomegalovirus serostatus on outcomes in patients with leukemia following matched-sibling myeloablative allogeneic hematopoietic cell transplantation. *Haematologica* 91(10):1377-83, 2006.
30. Loubière LS, Lambert NC, Flinn LJ, Erickson TD, Yan Z, **Guthrie KA**, Vickers KT, Nelson JL: Maternal microchimerism in healthy adults in lymphocytes, monocyte/macrophages and NK cells. *Lab Invest* 86:1185-92, 2006.
31. Hingorani SR, **Guthrie KA**, Schoch G, Weiss NS, McDonald GB: Chronic kidney disease in long-term survivors of hematopoietic stem cell transplant. *Bone Marrow Transplant* 39 (4):223-9, 2007.
32. Schubert MM, Eduardo FP, **Guthrie KA**, Franquin J-C, Bensadoin R-JJ, Migliorati CA, Lloid CME, Eduardo CP, Walter N-F, Marques MM, Hamdi M: A phase III randomized double-blind placebo-controlled clinical trial to determine the efficacy of low level laser therapy for the prevention of oral mucositis in patients undergoing hematopoietic cell transplantation. *Support Care Cancer* 15:1145-54, 2007.
33. Erard V, **Guthrie KA**, Varley C, Heugel J, Wald A, Flowers MED, Corey L, Boeckh M: One-year acyclovir prophylaxis for preventing varicella-zoster virus disease after hematopoietic cell transplantation: no evidence of rebound varicella-zoster virus disease after drug discontinuation. *Blood* 110:3071-7, 2007.
34. Peck AJ, Englund JA, Kuypers J, **Guthrie KA**, Corey L, Morrow R, Hackman RC, Cent A, Boeckh M: Respiratory virus infection among hematopoietic cell transplantation recipients: evidence for asymptomatic parainfluenza virus infection. *Blood* 110:1681-8, 2007. PMC1975849
35. Woodahl EL, Hingorani SR, Wang J, **Guthrie KA**, McDonald GB, Batchelder A, Li M, Schoch HG, McCune JS: Pharmacogenomic associations in *ABCB1* and *CYP3A5* with acute kidney injury and chronic kidney disease after myeloablative hematopoietic cell transplantation. *Pharmacogenomics J* 8:248-55, 2008.
36. Gadi VK, Malone KE, **Guthrie KA**, Porter PL, Nelson JL: Case-control study of fetal microchimerism and breast cancer. *PLoS One* 3(3): e1706, 2008. PMC2248618
37. **Guthrie KA**, Tishkevich NR, Nelson JL: Non inherited maternal HLA antigens in susceptibility to familial rheumatoid arthritis. *Ann Rheum Dis* 68:107-9, 2009. PMC2760537
38. Changsirikulchai S, Myerson D, **Guthrie KA**, McDonald GB, Alpers CE, Hingorani SR: Renal thrombotic microangiopathy after hematopoietic cell transplant: role of GVHD in pathogenesis. *Clin J Am Soc Nephrol* 4:345-53, 2009. PMC2637592
39. McCune JS, Batchelder A, **Guthrie KA**, Witherspoon RP, Appelbaum FR, Phillips B, Vicini P, Salinger DH, McDonald GB: Personalized dosing of cyclophosphamide in the total body irradiation-cyclophosphamide conditioning regimen: a phase II trial in patients with hematologic malignancies. *Clin Pharmacol Ther* 85:615-22, 2009. PMC2718578

40. Oehler VG, **Guthrie KA**, Cummings CL, Sabo K, Wood BL, Gooley T, Yang T, Epping MT, Dai H, Pogossova-Agadjanyan E, Ladne P, Stirewalt DL, Abkowitz JL, and Radich JP: The Preferentially Expressed Antigen in Melanoma (PRAME) inhibits myeloid differentiation in normal hematopoietic and leukemic progenitor cells. *Blood* 114:3299-308, 2009. PMC2759652
41. **Guthrie KA**, Yong M, Frieze D, Corey L, Fredricks DN: The impact of a change in antibacterial prophylaxis from ceftazidime to levofloxacin hematopoietic cell transplantation. *Bone Marrow Transplant* 45:675-81, 2010. PMC2911962
42. Milano F, Campbell AP, **Guthrie KA**, Kuypers J, Englund JA, Corey L, Boeckh MJ: Human rhinovirus and coronavirus detection among allogeneic hematopoietic stem cell transplantation recipients. *Blood* 115: 2088-94, 2010. PMC2837322
43. Campbell AP, Chien J, Kuypers J, Englund JA, Wald A, **Guthrie KA**, Corey L, Boeckh MJ: Respiratory virus pneumonia after hematopoietic cell transplantation (HCT): associations between viral load in bronchoalveolar lavage samples, viral RNA detection in serum samples, and clinical outcomes of HCT. *J Infect Dis* 201:1404-13, 2010. PMC2853730
44. **Guthrie KA**, Dugowson CE, Voigt LF, Koepsell TD, Nelson JL: Does pregnancy provide vaccine-like protection against rheumatoid arthritis? *Arthritis Rheum* 62:1842-8, 2010. PMC2910625
45. Gammill HS, **Guthrie KA**, Aydelotte TM, Adams Waldorf KM, Nelson JL: Effect of parity on fetal and maternal microchimerism: interaction of grafts within a host? *Blood* 116:2706-12, 2010. PMC2974583
46. Cuddapah Sunku C, Gadi VK, Lacoste B, **Guthrie KA**, Nelson JL: Maternal and fetal microchimerism in granulocytes. *Chimerism* 1:11-14, 2010. PMC3035109
47. Nemecek ER, **Guthrie KA**, Sorrow ML, Wood BL, Doney KC, Hilger RA, Scott BL, Kovacovics TJ, Maziarz RT, Woolfrey AE, Bedalov A, Sanders JE, Pagel JM, Sickle EJ, Witherspoon R, Flowers ME, Appelbaum FR, Deeg HJ: Conditioning with treosulfan and fludarabine followed by allogeneic hematopoietic cell transplantation for high-risk hematologic malignancies. *Biol Blood Marrow Transplant* 17:341-50, 2011. PMC2974965
48. Yan Z, Aydelotte T, Gadi VK, **Guthrie KA**, Nelson JL: Acquisition of the rheumatoid arthritis HLA shared epitope through microchimerism. *Arthritis Rheum* 63:640-4, 2011. PMC3188444
49. Freeman EW, **Guthrie KA**, Caan B, Sternfeld B, Cohen LS, Joffe H, Carpenter JS, Anderson GL, Larson JC, Ensrud KE, Reed SD, Newton KM, Sherman S, Sammel MD, LaCroix AZ: Efficacy of escitalopram for hot flashes in healthy menopausal women: a randomized controlled trial. *JAMA* 305:267-74, 2011. PMC3129746
50. **Guthrie KA**, Gammill HS, Madeleine MM, Dugowson CE, Nelson JL: Parity and HLA alleles in risk of rheumatoid arthritis. *Chimerism* 2:11-15, 2011. PMC3084950
51. Gopal AK, **Guthrie KA**, Rajendran J, Pagel JM, Olivieria G, Maloney DG, Matesan MC, Storb RF, Press OW: ⁹⁰Y-ibritumomab tiuxetan, fludarabine, and TBI based non-myeloablative allogeneic transplant conditioning for patients with persistent high-risk B-cell lymphoma. *Blood* 118:1132-9, 2011. PMC3673760

52. Budde LE, **Guthrie KA**, Till BG, Press OW, Chauncey TR, Pagel JM, Petersdorf SH, Bensinger WI, Holmberg LA, Shustov AR, Green DJ, Maloney DG, Gopal AK: The Mantle Cell International Prognostic Index but not pre-transplant induction regimen predicts survival for patients with mantle cell lymphoma undergoing high dose therapy and autologous stem cell transplant. *J Clin Oncol* 29:3023-9, 2011. PMC3157964
53. Gadi VK, Nelson JL, **Guthrie KA**, Anderson CC, Boespflug ND, Redinger JW, Paul B, Dinyari P, Shapiro AMJ: Soluble donor DNA and islet injury after transplantation. *Transplantation* 92:607-11, 2011.
54. Ensrud KE, Joffe H, **Guthrie KA**, Larson JC, Reed SD, Newton KM, Sternfeld B, LaCroix AZ, Landis CA, Woods NF, Freeman EW: Effect of escitalopram on insomnia symptoms and subjective sleep quality in healthy menopausal women with hot flashes: a randomized controlled trial. *Menopause* 19: 848-55, 2012. PMC3382013
55. Reed SD, **Guthrie KA**, Joffe H, Shifren JL, Seguin RA, Freeman EW: Sexual function in nondepressed women in escitalopram trial for vasomotor symptoms: a randomized controlled trial. *Obstet Gynecol* 119: 527-38, 2012. PMC3345186
56. Carpenter JS, **Guthrie KA**, Larson JC, Freeman EW, Joffe H, Reed SD, Ensrud KE, LaCroix AZ: Effect of escitalopram on hot flash interference: a randomized, controlled trial. *Fertil Steril* 97: 1399-404.e1, 2012. PMC3367120
57. Li N, **Guthrie KA**, Storer BE, Martin PJ, Sale GE, Argyeni ZB, Myerson D: Keratinocyte dysplasia in hematopoietic stem cell transplant recipients in the day 28 to 84 posttransplant period. *Biol Blood Marrow Transplant* 18:1281-6, 2012. PMC3402699
58. Aspesberro F, **Guthrie KA**, Woolfrey AE, Brogan TV, Roberts JS: Outcome of pediatric hematopoietic stem cell transplant recipients requiring mechanical ventilation. *J Intensive Care Med* 29(1):31-7, 2014.
59. Peterson SE, Nelson JL, **Guthrie KA**, Gadi VK, Aydelotte TM, Oyer DJ, Prager SW, Gammill HS: Prospective assessment of fetal-maternal cell transfer in miscarriage and pregnancy termination. *Hum Reprod* 27: 2607-12, 2012. PMC3415291
60. Blake JM, Nicoud IB, Weber D, Voorhies H, **Guthrie KA**, Heimfeld S, Delaney C: Improved immunomagnetic enrichment of CD34 (+) cells from umbilical cord blood using the CliniMACS cell separation system. *Cytotherapy* 14: 818-22, 2012. PMC3930473
61. Grim JE, Knoblauch SE, **Guthrie KA**, Hagar A, Swanger J, Hespelt J, Delrow JJ, Small T, Grady WM, Nakayama KI, Clurman BE: Fbw7 and p53 cooperatively suppress advanced and chromosomally unstable intestinal cancer. *Mol Cell Biol* 32:2160-7, 2012. PMC3372235
62. Kuypers J, Campbell AP, **Guthrie KA**, Wright NL, Englund JA, Corey L, Boeckh M: Detection of QUPyV and KIPyV polyomaviruses in respiratory samples from allogeneic hematopoietic stem cell transplantation recipients. *Emerg Infect Dis* 18:1580-8, 2012. PMC3471632
63. Joffe H, **Guthrie KA**, Larson J, Cohen LS, Carpenter JS, LaCroix AZ, Freeman EW: Relapse of vasomotor symptoms after discontinuing of the SSRI escitalopram: results from the MsFLASH research network. *Menopause* 20:261-8, 2013. PMC3561495

64. Chan WFN, Gurnot C, Modine TJ, Sonnen JA, **Guthrie KA**, Nelson JL: Male microchimerism in the human female brain. *PLoS One* 7(9): e45592, 2012. PMC3458919
65. Campbell AP, Kuypers J, Englund JA, **Guthrie KA**, Corey L, Boeckh M: Self collection of foam nasal swabs for respiratory virus detection by PCR among immunocompetent subjects and hematopoietic cell transplant recipients. *J Clin Microbiol* 51: 324-7, 2012. PMC3536199
66. Sternfeld B, LaCroix A, Caan BJ, Dunn AL, Newton KM, Reed SD, **Guthrie KA**, Booth-LaForce C, Sherman KJ, Cohen L, Freeman MP, Carpenter JS, Hunt JR, Roberts M, Ensrud KE: Design and methods of a multi-site, multi-behavioral treatment trial for menopausal symptoms: the MsFLASH experience. *Contemp Clin Trials* 35:25-34, 2013. PMC3670607
67. Newton KM, Carpenter JS, **Guthrie KA**, Anderson GL, Caan B, Cohen LS, Ensrud KE, Freeman EW, Joffe H, Sternfeld B, Reed SD, Sherman S, Sammel MD, Kroenke K, Larson JC, LaCroix AZ: Methods for the design of vasomotor symptom trials: the MsFLASH network. *Menopause* 21(1):45-58, 2014. PMC3796184
68. Sternfeld BS, **Guthrie KA**, Ensrud KE, LaCroix AZ, Larson JC, Dunn AL, Anderson GL, Sequin RA, Carpenter JS, Newton KM, Reed SD, Freeman EW, Cohen LS, Joffe H, Roberts M, Caan BJ: Efficacy of exercise for menopausal symptoms: a randomized controlled trial. *Menopause* 21(4):330-8, 2014. PMC3858421
69. Newton KM, Reed SD, **Guthrie KA**, Sherman KJ, Booth-LaForce C, Caan B, Sternfeld B, Carpenter JS, Learman LA, Freeman EW, Cohen LS, Joffe H, Anderson GL, Larson JC, Hunt JR, Ensrud KE, LaCroix AZ: Efficacy of yoga for vasomotor symptoms: a randomized controlled trial. *Menopause* 21(4):339-46, 2014. PMC3871975
70. Cohen LS, Joffe H, **Guthrie KA**, Ensrud KE, Freeman MP, Carpenter JS, Learman LA, Newton KM, Reed SD, Manson JE, Sternfeld B, Caan BJ, Freeman EW, LaCroix AZ, Tinker LF, Booth-LaForce C, Larson JC, Anderson GL: Efficacy of Omega-3 treatment for vasomotor symptoms: a randomized controlled trial. *Menopause* 21(4):347-54, 2014. PMC4072122
71. Eun JK, **Guthrie KA**, Zirpoli G, Gadi VK: In situ breast cancer and microchimerism. *Sci Rep* 3: Article number 2192, 2013. PMC3709160
72. Cassaday R, **Guthrie KA**, Budde EL, Thompson L, Till BG, Press OW, Chauncey TR, Pagel JM, Petersdorf SH, Palanca-Wessels MC, Philip M, Bensinger WI, Holmberg LA, Shustov A, Green DJ, Libby EN, Maloney DG, Gopal A: Specific features identify patients with relapsed/refractory mantle cell lymphoma benefitting from autologous hematopoietic cell transplantation. *Biol Blood Marrow Transplant* 19(9): 1403-6, 2013. PMC3788600
73. Lannon SR, **Guthrie KA**, Reed SD, Gammill HS: Mode of delivery at periviable gestational ages: impact on subsequent reproductive outcomes. *J Perinat Med* 41(6):691-7, 2013.
74. Vande Vusse LK, Madtes DK, **Guthrie KA**, Gernsheimer TB, Weiss NS, Curtis JR, Watkins TR: The association between red blood cell and platelet transfusion and subsequently developing idiopathic pneumonia syndrome after hematopoietic stem cell transplantation. *Transfusion* 54(4):1071-80, 2014. PMC4059041
75. Gammill HS, Aydelotte TM, **Guthrie KA**, Nkwopara EC, Nelson JL: Cellular fetal microchimerism in preeclampsia. *Hypertension* 62(6):1062-7, 2013. PMC4395136

76. Ma KK, Nelson JL, **Guthrie KA**, Dugowson CE, Gammill HS: Adverse pregnancy outcomes and risk of subsequent rheumatoid arthritis. *Arthritis Rheumatol* 66(3):508-12, 2014.
77. Reed SD, **Guthrie KA**, Newton KM, Anderson GL, Booth-LaForce C, Caan B, Carpenter JS, Cohen LS, Dunn AL, Ensrud KE, Freeman EW, Hunt J, Joffe H, Larson J, Learman LA, Rothenberg R, Seguin RA, Sherman KJ, Sternfeld BS, LaCroix AZ: Impact of yoga, exercise or Omega-3 fatty acids on quality of life in menopausal women: a randomized controlled trial. *Am J Obstet Gynecol* 210(3):244.e1-11, 2014. PMC3976276
78. Kim YJ, **Guthrie KA**, Waghmare A, Walsh EE, Falsey AR, Kuypers J, Cent A, Englund JA, Boeckh M: Respiratory syncytial virus in hematopoietic cell transplant recipients: factors determining progression to lower respiratory tract disease. *J Infect Dis* 209(8):1195-204, 2014. PMC3969549
79. Raj K, Pagliuca A, Bradstock K, Noriega V, Potter V, Streetly M, Mclornan D, Kazmi M, Marsh J, Kwan J, Huang G, Getzendaner L, Lee S, **Guthrie KA**, Mufti GJ, O'Donnell P: Peripheral blood hematopoietic stem cells for transplantation of hematological diseases from related, haploidentical donors after reduced-intensity conditioning. *Biol Blood Marrow Transplant* 20(6):890-5, 2014. PMC4451937
80. Joffe H, **Guthrie KA**, LaCroix AZ, Reed SD, Ensrud KE, Manson JE, Newton KM, Freeman EW, Anderson GL, Larson JC, Hunt J, Shifren J, Rexrode KM, Caan B, Sternfeld B, Carpenter JS, Cohen L: Low-dose estradiol and the serotonin-norepinephrine reuptake inhibitor venlafaxine for vasomotor symptoms: a randomized clinical trial. *JAMA Intern Med* 174(7):1058-66, 2014. PMC4179877
81. Milano F, Shulman HM, **Guthrie KA**, Riffkin I, McDonald GB, Delaney C: Late onset colitis after cord blood transplantation is caused by graft versus host disease: results of a blinded histopathological review. *Biol Blood Marrow Transplant*, 20(7): 1008-13, 2014.
82. Reed SD, Mitchell CM, Joffe H, Cohen L, Shifren JL, Newton KM, Freeman EW, Larson JC, Manson JE, LaCroix AZ, **Guthrie KA**: Sexual function in women on estradiol or venlafaxine for hot flashes: a randomized controlled trial. *Obstet Gynecol* 124(2): 233-41, 2014. PMC4113909
83. Diem SJ, Joffe H, Larson JC, Tsai J, **Guthrie KA**, LaCroix AZ, Ensrud KE, Freeman EW, Leder B: Effects of escitalopram on markers of bone turnover: a randomized controlled trial. *J Clin Endocrin Metab* 99(9): E1732-7, 2014. PMC4154080
84. Ensrud KE, **Guthrie KA**, Hohensee C, Caan B, Carpenter JS, Freeman EW, LaCroix AZ, Landis CA, Manson J, Newton KM, Otte J, Reed SD, Shifren JL, Sternfeld B, Woods NF, Joffe H: Effects of estradiol and venlafaxine on insomnia symptoms and sleep quality in women with hot flashes. *Sleep* 38(1): 97-108, 2015. PMC4262961
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Book Chapters

1. Holmberg LA, **Guthrie KA**, Sandmaier BM: Clinical outcome of breast and ovarian cancer patients treated after high-dose chemotherapy and autologous stem cell rescue with Theratope (STn-KLH) cancer vaccine: Theratope (STn-KLH) cancer vaccine following autologous transplant. In: *Chemical Glycobiology*, Chen X., Halcomb RL, and Wang PG (eds.). Washington, DC: American Chemical Society, Chapter 9: 197-215, 2008.

Other Publications

1. Ritchey ML, Green DM, Breslow NB, **Guthrie KA**: Comments on Wilms' tumor experience. Letter to the Editor. *Pediatrics* 99 (3):503, 1997.
2. Ritchey ML, Green DM, Breslow NB, **Guthrie KA**: Is contralateral exploration of the kidney necessary in patients with Wilms tumor? Letter to the Editor. *Journal of Urology* 158 (1):186, 1997.

Presentations

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| 1999 | "Overcoming biases and misconceptions in ecological studies," International Conference on the Analysis and Interpretation of Disease Clusters and Ecological Studies, Royal Statistical Society: London, England |
| 1999 | "Overcoming biases and misconceptions in ecological studies," International Biometric Society (WNAR) Annual Meeting: Seattle, Washington |
| 2002 | "A hierarchical aggregate data model with spatially correlated disease rates," International Biometric Society (WNAR) Annual Meeting: Los Angeles, California |
| 2004 | "Timing is everything: an explanation of time-dependent covariates," Grand Rounds, Clinical Research Division, FHCRC: Seattle, Washington |
| 2008 | "Oral contraceptive use, parity, HLA alleles, and the risk of rheumatoid arthritis," Grand Rounds, FHCRC: Seattle, Washington |
| 2009 | "Intent to Treat Analysis for MsFLASH Studies," MsFLASH Steering Committee meeting: Bethesda, Maryland |
| 2009 | "An Introduction to MsFLASH (Menopausal Strategies: Finding Lasting Answers for Symptoms and Health)," Clinical Trials Affinity Group, FHCRC: Seattle, Washington |
| 2010 | "Efficacy of Escitalopram for menopausal hot flashes: A randomized controlled trial in the MsFLASH Network," Clinical Trials Affinity Group, FHCRC: Seattle, Washington |

CURRICULUM VITAE, Page 13
Katherine Adams Guthrie, Ph.D.

- 2013 “Results of MsFLASH 2.0: a 3x2 factorial design testing yoga, aerobic exercise and Omega-3 for relief of menopausal symptoms,” Clinical Trials Affinity Group, FHCRC: Seattle, Washington
- 2013 “Statistical analysis of microchimerism data: zero-inflated or not?” Grand Rounds, Clinical Research Division, FHCRC: Seattle, Washington
- 2014 “Effects on Insomnia Symptoms and Subjective Sleep Quality: Pharmacologic and Nonpharmacologic Interventions of the MsFLASH 01-03 Trials” North American Menopause Society Annual Meeting: Washington, DC
- 2015 “MsFLASH: Improving the quality of life and health of midlife women,” Public Health Sciences Division, FHCRC: Seattle, Washington
- 2015 “MsFLASH: Improving the quality of life and health of midlife women,” Department of Biostatistics, University of Washington: Seattle, Washington
- 2016 “Centrally-reviewed disease progression in a SWOG clinical trial: a cautionary tale,” Clinical Trials Affinity Group, FHCRC: Seattle, Washington