

## BIOGRAPHICAL SKETCH

NAME Rebecca C. Thurston, Ph.D.		POSITION TITLE	
eRA COMMONS USER NAME rebeccathurston		Associate Professor	
EDUCATION/TRAINING			
INSTITUTION AND LOCATION	DEGREE	YEAR(s)	FIELD OF STUDY
Stanford University, Palo Alto, CA	B.A.	1996	Human Biology
Duke University, Durham, NC	M.A.	2000	Clinical Health Psychology
Duke University, Durham, NC	Ph.D.	2003	Clinical Health Psychology
University of Washington, Seattle, WA	Clinical Internship	2002-2003	Clinical Health Psychology
Harvard University, Cambridge, MA	Fellowship	2003-2005	Epidemiology/Population Health

### A. Personal Statement.

My research broadly considers menopause, obesity, cardiovascular risk in women. My work includes an examination of the role of adiposity in ovarian function and menopausal symptoms among midlife women. I also investigate the impact behavioral interventions (e.g., weight loss) on ovarian function and menopausal symptoms among midlife women. I have a particular interest in the endocrine mechanisms by which adiposity and its loss may impact ovarian function (e.g., inflammation). I am prior PI of NIH K23-funded work investigating adiposity, inflammation, and menopausal symptoms and am currently the PI of NIH R01-funded research investigating the links between menopausal symptoms and cardiovascular risk. Further, I am Co-Investigator, Co-Chair of Cardiovascular Committee, and a member of the Steering Committee of the Study of Women's Health Across the Nation (SWAN), the largest multiethnic prospective cohort study of midlife women. Finally, I am a Fellow of the Academy for Behavioral Medicine Research. I have an established track record of mentoring graduate students, medical students, fellows, and junior faculty and serve as a mentor on four NIH T32 training grants. I look forward to providing mentorship and training for Research Training in Diabetes and Endocrinology.

### B. Positions and Honors.

#### Employment

2003-2005	Robert Wood Johnson Health and Society Scholar, Department of Society, Human Development, and Health, Harvard University/Harvard School of Public Health, Cambridge, MA
2005-2013	Assistant Professor, Department of Psychiatry/Western Psychiatric Institute and Clinic, University of Pittsburgh School of Medicine, Pittsburgh, PA
2006-2013	Assistant Professor, Department of Epidemiology, University of Pittsburgh Graduate School of Public Health, Pittsburgh, PA
2010-2013	Assistant Professor, Department of Psychology, University of Pittsburgh School of Arts and Sciences, Pittsburgh, PA
2012-2013	Assistant Professor, Clinical and Translational Science, Department of Medicine, University of Pittsburgh School of Medicine, Pittsburgh, PA
2012-present	Director, Women's Biobehavioral Health Laboratory, Department of Psychiatry, University of Pittsburgh School of Medicine, Pittsburgh, PA
2013-present	Associate Professor, Department of Psychiatry/Western Psychiatric Institute and Clinic, University of Pittsburgh School of Medicine, Pittsburgh, PA
2013-present	Associate Professor, Department of Epidemiology, University of Pittsburgh Graduate School of Public Health, Pittsburgh, PA
2013-present	Associate Professor, Department of Psychology, University of Pittsburgh School of Arts and Sciences, Pittsburgh, PA
2013-present	Associate Professor, Clinical and Translational Science, Department of Medicine, University of Pittsburgh School of Medicine, Pittsburgh, PA

### **Other Experience and Professional Memberships**

- 1997-2012 Member, Health Psychology, Division 38, American Psychological Association  
2002-present Member, American Psychosomatic Society  
2006-present Member, North American Menopause Society
- 2005-present Advisory Council, University of Pittsburgh School of Medicine, Center for Complementary and Alternative Medicine  
2005-present Faculty Associate, Magee Women's Health Research Network, University of Pittsburgh School of Medicine, Pittsburgh, PA  
2006-present Faculty Associate, Pittsburgh Mind-Body Center, University of Pittsburgh & Carnegie Mellon University, Pittsburgh, PA  
2009-present Editorial Board, *Menopause*  
2011-present Member, Data Safety and Monitoring Board (Independent Monitoring Committee) for Temporally-Oriented Subjective Well-Being Across Transitions: Resources and Outcomes R01AT007262 (PI: Hess)  
2010-2011 Member, SWAN Cardiovascular Committee  
2011-present Co-Chair, SWAN Cardiovascular Committee
- 2007-present Cardiovascular Behavioral Medicine Research Training faculty (T32HL007560; PI: Matthews)  
2009-present Cardiovascular Epidemiology Training Program faculty (T32HL083825; PI: Orchard)  
2009-present Pre-doctoral Training in Reproductive, Perinatal, and Pediatric Epidemiology faculty (T32HD055162; PI: Day)  
2013-present Clinical and Translational Research Training in Late-Life Mood Disorders (T32MH019986; PI: Reynolds)

### **Honors**

- 1996 Phi Beta Kappa, Stanford University  
1998-2002 James B. Duke Fellow, Duke University  
2003 Joseph Becker Research Award, University of Washington  
2004, 2006 NIH Center for Minority Health and Health Disparities Scholar, NIH  
2007 AFAR/Fannie E. Rippel Foundation New Investigator Award on Gender Differences in Aging  
2009 North American Menopause Society New Investigator Award  
2009 North American Menopause Society Vasomotor Symptoms Research Award  
2013 Dorothy Dillon Eweson Lecture Series on the Advances in Aging Research Fund Award  
2013-present Fellow, Academy for Behavioral Medicine Research

### **C. Peer-Reviewed Publications (\*trainee lead publications)**

1. Sherwood A, **Thurston R**, Steffen P, Blumenthal JA, Waugh RA, Hinderliter AL. Blunted nighttime blood pressure dipping in postmenopausal women. *Am J Hypertens*. 2001 Aug; 14(8 pt 1):749-54. PMID: 11497189
2. **Thurston RC**, Keefe FJ, Bradley L, Krishnan KRR, Caldwell DS. Chest pain in the absence of coronary artery disease: A biopsychological perspective. *Pain*. 2001 Aug; 93(2):95-100. PMID: 11427319
3. Greenwood KA, **Thurston R**, Rumble M, Waters SJ, Keefe FJ. Anger and persistent pain: Current status and future directions. *Pain*. 2003 May; 103(1-2):1-5. PMID: 12749952
4. Madden DJ, Langley LK, **Thurston RC**, Whiting WL, Blumenthal JA. Interaction of blood pressure and adult age in memory search and visual search performance. *Aging Neuropsychol Cogn*. 2003 Dec; 10:241-54.
5. **Thurston RC**, Blumenthal JA, Babyak MA, Sherwood A. Emotional antecedents to hot flashes during daily life. *Psychosom Med*. 2005 Jan-Feb; 67(1):137-46. PMID: 15673636
6. **Thurston RC**, Kubzansky LD, Kawachi I, Berkman LF. Is the association between socioeconomic position and coronary heart disease stronger among women than men? *Am J Epidemiol*. 2005 Jul; 162(2):57-65. PMID: 15961587

7. **Thurston RC**, Kubzansky LD, Kawachi I, Berkman LF. Do depression and anxiety mediate the link between educational attainment and coronary heart disease? *Psychosom Med*. 2006 Jan-Feb; 68(1):25-32. PMID: 16449408
8. **Thurston RC**, Blumenthal JA, Babyak MA, Sherwood A. Association between hot flashes, sleep complaints, and psychological functioning among healthy menopausal women. *Int J Behav Med*. 2006 Jun; 13(2):163-72. PMID: 16712434
9. **Thurston RC**, Joffe H, Soares CN, Harlow BL. Physical activity and risk of vasomotor symptoms in women with and without a history of depression: Results from the Harvard Study of Moods and Cycles. *Menopause*. 2006 Jul-Aug; 13(4):553-60. PMID: 16837876
10. Loucks EB, Rehkopf DH, **Thurston RC**, Kawachi I. Socioeconomic disparities in the metabolic syndrome differ by gender: Evidence from NHANES III. *Ann Epidemiol*. 2007 Jan; 17(1):19-26. PMID: 17140811
11. Booth-LaForce C, **Thurston RC**, Taylor MR. A pilot study of a hatha yoga treatment for menopausal symptoms. *Maturitas*. 2007 Jul; 57(3):286-95. PMID: 17336473
12. **Thurston RC**, Kubzansky LD. Multiple sources of psychosocial disadvantage and risk of coronary heart disease. *Psychosom Med*. 2007 Nov; 69(8):748-55. PMID: 17942839
13. Kubzansky LD, **Thurston RC**. Emotional vitality and incident coronary heart disease: Benefits of healthy psychological functioning. *Arch Gen Psychiatry*. 2007 Dec; 64(12):1393-401. PMID: 18056547
14. **Thurston RC**, Sowers MF, Chang Y, Sternfeld B, Gold E, Johnston JM, Matthews KA. Adiposity and vasomotor symptoms among midlife women: The Study of Women's Health Across the Nation. *Am J Epidemiol*. 2008 Jan; 167(1):78-85. PMID: 17881385
15. **Thurston RC**, Bromberger J, Chang Y, Goldbacher E, Brown C, Cyranowski JM, Matthews KA. Childhood abuse or neglect is associated with increased vasomotor symptom reporting among midlife women. *Menopause*. 2008 Jan-Feb; 15(1):16-22. PMID: PMC2957816
16. **Thurston RC**, Sowers MF, Sutton-Tyrrell K, Everson-Rose SA, Lewis TT, Edmundowicz D, Matthews KA. Abdominal adiposity and hot flashes among midlife women. *Menopause*. 2008 May-Jun; 15(3):429-34. doi: 10.1097/gme.0b013e31815879cf. PMID: PMC2875947
17. Mendelson T, **Thurston RC**, Kubzansky LD. Affective and cardiovascular effects of experimentally-induced social status. *Health Psychol*. 2008 Jul; 27(4):482-9. doi: 10.1037/0278-6133.27.4.482. PMID: PMC2728044
18. **Thurston RC**, Sutton-Tyrrell K, Everson-Rose SA, Hess R, Matthews KA. Hot flashes and subclinical cardiovascular disease: Findings from the Study of Women's Health Across the Nation Heart Study. *Circulation*. 2008 Sep; 118(12):1234-40. doi: 10.1161/CIRCULATIONAHA.108.776823. PMID: 18765392
19. **Thurston RC**, Bromberger JT, Joffe H, Avis N, Hess R, Crandall C, Chang Y, Green R, Matthews KA. Beyond frequency: Who is most bothered by vasomotor symptoms? *Menopause*. 2008 Sep-Oct; 15(5):841-7. doi: 10.1097/gme.0b013e318168f09b. PMID: PMC2866103
20. \*Taylor MR, Booth-LaForce C, Elvin E, McGrath BB, **Thurston RC**. Participant perspectives on a yoga intervention for menopausal symptoms. *Compl Health Pract Rev*. 2008 Oct; 13:171-81.
21. **Thurston RC**, Matthews KA, Hernandez J, De la Torre F. Improving the performance of physiologic hot flash measures with support vector machines. *Psychophysiology*. 2009 Mar; 46(2):285-92. doi: 10.1111/j.1469-8986.2008.00770.x. PMID: PMC2755219
22. **Thurston RC**, Matthews KA. Racial and socioeconomic disparities in arterial stiffness and intima media thickness among adolescents. *Soc Sci Med*. 2009 Mar; 68(5):807-13. doi: 10.1016/j.socscimed.2008.12.029. PMID: PMC2887751
23. Crandall CJ, Zheng Y, Crawford SL, **Thurston RC**, Gold EB, Johnson JM, Greendale GA. Presence of vasomotor symptoms is associated with lower bone mineral density: A longitudinal analysis. *Menopause*. 2009 Mar-Apr; 16(2):239-46. doi: 10.1097/gme.0b013e3181857964. PMID: PMC2695505
24. Joffe H, Soares CN, **Thurston RC**, White DP, Cohen LS, Hall JE. Depression is associated with greater objectively and subjectively measured sleep in women with vasomotor symptoms. *Menopause*. 2009 Jul-Aug; 16(4):671-9. doi: 10.1097/gme.0b013e3181957377. PMID: PMC3405549
25. **Thurston RC**, Sowers MR, Sternfeld B, Gold EB, Bromberger J, Chang Y, Joffe H, Crandall CJ, Waetjen LE, Matthews KA. Gains in body fat and vasomotor symptom reporting over the menopausal transition: The

Study of Women's Health Across the Nation. *Am J Epidemiol*. 2009 Sep; 170(6):766-74. doi: 10.1093/aje/kwp203. PMID: PMC2768523

26. **Thurston RC**, Kubzansky LD. Women, loneliness, and incident coronary heart disease. *Psychosom Med*. 2009 Oct; 71(8):836-42. doi: 10.1097/PSY.0b013e3181b40efc. PMID: PMC2851545
27. Schwarz EB, Tepper P, Tyrrell-Sutton K, Matthews KA, **Thurston R**, Janssen I. Lactation and maternal measures of subclinical cardiovascular disease. *Obstet Gynecol*. 2010 Jan; 115(1):41-8. doi: 10.1097/AOG.0b013e3181c5512a. PMID: PMC3638916
28. **Thurston RC**, Kuller LH, Edmundowicz D, Matthews KA. History of hot flashes and aortic calcification among postmenopausal women. *Menopause*. 2010 Mar; 17(2):256-61. doi: 10.1097/gme.0b013e3181c1ad3d. PMID: PMC2837097
29. **Thurston RC**, Christie IC, Matthews KA. Hot flashes and cardiac vagal control: A link to cardiovascular risk? *Menopause*. 2010 May-Jun; 17(3):456-61. doi: 10.1097/gme.0b013e3181c7dea7. PMID: PMC2866826
30. Green R, Polotsky AJ, Wildman RP, McGinn AP, Lin J, Derby C, Johnston J, Ram KT, Crandall CJ, **Thurston R**, Gold E, Weiss G, Santoro N. Menopausal symptoms within a Hispanic cohort: SWAN, the Study of Women's Health Across the Nation. *Climacteric*. 2010 Aug; 13(4):376-84. doi: 10.3109/13697130903528272. PMID: PMC3268678
31. \*Low CA, **Thurston RC**, Matthews KA. Psychosocial factors in the development of heart disease in women: Current status and future directions. *Psychosom Med*. 2010 Nov; 72(9):842-54. doi: 10.1097/PSY.0b013e3181f6934f. PMID: PMC2978285
32. **Thurston RC**, Sherwood A, Matthews KA, Blumenthal JA. Household responsibilities, income, and ambulatory blood pressure among working men and women. *Psychosom Med*. 2011 Feb-Mar; 73(2):200-5. doi: 10.1097/PSY.0b013e3182080e1a. PMID: PMC3038680
33. Crandall CJ, Tseng CH, Crawford SL, **Thurston RC**, Gold EB, Johnston JM, Greendale GA. Association of menopausal vasomotor symptoms with increased bone turnover during the menopausal transition. *J Bone Miner Res*. 2011 Apr; 26(4):840-9. doi: 10.1002/jbmr.259. PMID: PMC3179323
34. **Thurston RC**, Sutton-Tyrrell K, Everson-Rose S, Hess R, Powell LH, Matthews KA. Hot flashes and carotid intima media thickness among midlife women. *Menopause*. 2011 Apr; 18(4):352-38. doi: 10.1097/gme.0b013e3181fa27fd. PMID: PMC3116932
35. Wildman RP, Janssen I, Khan UI, **Thurston R**, Barinas-Mitchell E, El Khoudary SR, Everson-Rose SA, Kazlauskaitė R, Matthews KA, Sutton-Tyrrell K. Subcutaneous adipose tissue in relation to subclinical atherosclerosis and cardiometabolic risk factors in midlife women. *Am J Clin Nutr*. 2011 Apr; 93(4):719-26. doi: 10.3945/ajcn.110.007153. PMID: PMC3057544
36. \*Gibson CJ, Matthews KA, Bromberger JT, **Thurston RC**, Weiss G. Negative attitudes and affect do not predict elective hysterectomy: A prospective analysis from the Study of Women's Health Across the Nation. *Menopause*. 2011 May; 18(5):499-507. doi: 10.1097/gme.0b013e3181f9fa35. PMID: PMC3123400
37. **Thurston RC**, Hernandez J, Del Rio JM, De la Torre F. Support vector machines to improve physiologic hot flash measures: Application to the ambulatory setting. *Psychophysiology*. 2011 Jul; 48(7):1015-21. doi: 10.1111/j.1469-8986.2010.01155.x. PMID: PMC3107378
38. Khan UI, Wang D, **Thurston RC**, Sowers M, Sutton-Tyrrell K, Matthews KA, Barinas-Mitchell E, Wildman RP. Burden of subclinical cardiovascular disease in "metabolically benign" and "at-risk" overweight and obese women: The Study of Women's Health Across the Nation (SWAN). *Atherosclerosis*. 2011 Jul; 217(1):179-86. doi: 10.1016/j.atherosclerosis.2011.01.007. PMID: PMC3117052
39. \*Birru M, Matthews KA, **Thurston RC**, Brooks MM, Said IA, Barinas-Mitchell E, Sutton-Tyrrell K, Janssen I. African American ethnicity and cardiovascular risk factors are related to aortic pulse wave velocity progression. *Am J Hypertens*. 2011 Jul; 24(7):809-15. doi: 10.1038/ajh.2011.57. PMID: PMC3605977
40. **Thurston RC**, El Khoudary SR, Sutton-Tyrrell K, Crandall CJ, Gold E, Sternfeld B, Selzer F, Matthews KA. Are vasomotor symptoms associated with alterations in hemostatic and inflammatory markers? Findings from the Study of Women's Health Across the Nation. *Menopause*. 2011 Oct; 18(10):1044-51. doi: 10.1097/gme.0b013e31821f5d39. PMID: PMC3183159

41. **Thurston RC**, Santoro N, Matthews KA. Adiposity and hot flashes in midlife women: A modifying role of age. *J Clin Endocrinol Metab.* 2011 Oct; 96(10):E1588-95. doi: 10.1210/jc.2011-1082. PMID: PMC3200246
42. \*Gibson CJ, **Thurston RC**, Bromberger JT, Kamarck T, Matthews KA. Negative affect and vasomotor symptoms in the Study of Women's Health Across the Nation Daily Hormone Study. *Menopause.* 2011 Dec; 18(12):1270-7. doi: 10.1097/gme.0b013e3182230e42. PMID: PMC3230697
43. \*Xu H, **Thurston RC**, Matthews KA, Bryce CL, Hays RD, Kapoor WN, Ness RB, Hess R. Are hot flashes associated with sleep disturbance during midlife? Results from the STRIDE cohort study. *Maturitas.* 2012 Jan; 71(1):34-8. doi: 10.1016/j.maturitas.2011.10.003. PMID: PMC3253872
44. Hess R, **Thurston RC**, Hays RD, Chang CCH, Dillon SN, Ness RB, Bryce CL, Kapoor WN, Matthews, KA. The impact of menopause on health-related quality of life: Results from the STRIDE longitudinal study. *Qual Life Res.* 2012 Apr; 21(3):535-44. doi: 10.1007/s11136-011-9959-7. PMID: PMC3252474
45. **Thurston RC**, Christie IC, Matthews KA. Hot flashes and cardiac vagal control during women's daily lives. *Menopause.* 2012 Apr; 19(4):406-12. doi: 10.1097/gme.0b013e3182337166. PMID: PMC3292670
46. **Thurston RC**, El Khoudary SR, Sutton-Tyrrell K, Crandall CJ, Gold E, Sternfeld B, Joffe H, Selzer F, Matthews KA. Vasomotor symptoms and lipid profiles in women transitioning through menopause. *Obstet Gynecol.* 2012 Apr; 119(4):753-61. doi: 10.1097/AOG.0b013e31824a09ec. PMID: PMC3343636
47. Joffe H, Chang Y, Dhaliwal S, Hess R, **Thurston RC**, Gold EB, Matthews KA, Bromberger JT. Lifetime history of depression and anxiety disorders predicts low quality-of-life in midlife women in the absence of current illness episodes. *Arch Gen Psychiatry.* 2012 May; 69(5):484-92. doi: 10.1001/archgenpsychiatry.2011.1578. PMID: PMC3584338
48. \*Gibson CJ, Joffe H, Bromberger JT, **Thurston RC**, Lewis TT, Khalil N, Matthews KA. Mood symptoms after natural menopause and hysterectomy with and without bilateral oophorectomy among women in midlife. *Obstet Gynecol.* 2012 May; 119(5):935-41. doi: 10.1097/AOG.0b013e31824f9c14. PMID: PMC3339661
49. \*di Scalea TL, Matthews KA, Avis NE, **Thurston RC**, Brown C, Harlow S, Bromberger JT. Role stress, Role reward, and mental health in a multiethnic sample of midlife women: Results from the Study of Women's Health Across the Nation. *J Womens Health (Larchmt).* 2012 May; 21(5):481-9. doi: 10.1089/jwh.2011.3180. PMID: PMC3353828
50. **Thurston RC**, Santoro N, Matthews KA. Are vasomotor symptoms associated with sleep characteristics among symptomatic midlife women? Comparisons of self-report and objective measures. *Menopause.* 2012 Jul; 19(7):742-8. doi: 10.1097/gme.0b013e3182422973. PMID: PMC3551537
51. Wildman RP, Tepper P, Greendale GA, Crawford C, Finkelstein J, Sutton-Tyrrell K, **Thurston RC**, Sternfeld B, Santoro N. Do changes in sex steroid hormones precede or follow increases in body weight during the menopause transition? Results from the Study of Women's Health Across the Nation. *J Clin Endocrinol Metab.* 2012 Sep; 97(9):E1695-704. doi: 10.1210/jc.2012-1614. PMID: PMC3431568
52. El Khoudary SR, Wildman RP, Matthews KA, **Thurston RC**, Bromberger JT, Sutton-Tyrrell K. Endogenous sex hormones impact the progression of subclinical atherosclerosis in women during the menopausal transition. *Atherosclerosis.* 2012 Nov; 225(1):180-6. doi: 10.1016/j.atherosclerosis.2012.07.025. PMID: PMC3478422
53. **Thurston RC**, El Khoudary SR, Sutton-Tyrrell K, Crandall CJ, Sternfeld B, Joffe H, Selzer F, Gold E, Matthews KA. Vasomotor symptoms and insulin resistance in the Study of Women's Health Across the Nation. *J Clin Endocrinol Metab.* 2012 Oct; 97(10):3487-94. doi: 10.1210/jc.2012-1410. PMID: PMC3462945
54. Cyranowski JM, Schott LL, Kravitz HM, Brown C, **Thurston RC**, Joffe H, Matthews KA, Bromberger JT. Psychosocial features associated with lifetime comorbidity of major depression and anxiety disorders among a community sample of mid-life women: The SWAN Mental Health Study. *Depress Anxiety.* 2012 Dec; 29(12):1050-7. doi: 10.1002/da.21990. PMID: PMC3592574
55. El Khoudary SR, Wildman RP, **Thurston RC**, Bromberger JT, Matthews KA, Sutton-Tyrrell K. Progression rates of carotid intima-media thickness and adventitial diameter during the menopausal transition. *Menopause.* 2013 Jan; 20(1):8-14. doi: 10.1097/gme.0b013e3182611787. PMID: PMC3528819

56. \*Thomas S, Ness RB, **Thurston RC**, Matthews KA, Chang CC, Hess R. Racial differences in perception of healthy body weight in mid-life women: Results from Do Stage Transitions Result in Detectable Effects (STRIDE) Study. *Menopause*. 2013 Mar; 20(3):269-73. PMID:PMC3593962
57. Crandall CJ, Tseng C, Karlamangla AS, Finkelstein JS, Randolph Jr JF, **Thurston RC**, Huang M, Zheng H, Greendale GA. Serum sex steroid levels and longitudinal changes in bone density in relation to the final menstrual period. *J Clin Endocrinol Metab*. 2013 Apr; 98(4):E654–E663. doi: 10.1210/jc.2012-3651. PMID:PMC3615209
58. \*Gibson CJ, **Thurston RC**, El Khoudary SR, Sutton-Tyrrell K, Matthews KA. Body mass index following natural menopause and hysterectomy with and without bilateral oophorectomy. *Int J Obes (Lond)*. 2012 Sep 25. 2013 Jun;37(6):809-13. doi: 10.1038/ijo.2012.164. PMID:PMC3530639
59. **Thurston RC**, Chang Y, Mancuso P, Matthews KA. Adipokines, adiposity, and vasomotor symptoms during the menopausal transition: Findings from The Study of Women's Health Across the Nation. *Fert Steril*. 2013 Sep; 100(3):793-800. doi: 10.1016/j.fertnstert.2013.05.005. PMID: 23755946 PMID: PMC3759568.
60. Gold EB, Crawford SL, Avis NE, Crandall CJ, Matthews KA, Waetjen LE, Lee JS, **Thurston RC**, Vuga M, Harlow SD. Factors related to age at natural menopause: Longitudinal analyses from the Study of Women's Health Across the Nation (SWAN). *Am J Epidemiol*. 2013 Jul; 178(1):70-83. doi: 10.1093/aje/kws421. PMID:PMC3698989
61. **Thurston RC**, Rewak M, Kubzansky LD. An anxious heart: Anxiety and the onset of cardiovascular diseases. *Progress in Cardiovascular Diseases*. 2013 May-Jun; 55(6):524-37. doi: 10.1016/j.pcad.2013.03.007. PMID: 23621962
62. \*Lambiasi MJ & **Thurston RC**. Physical activity and sleep among midlife women with vasomotor symptoms. *Menopause*. 2013 Sep; 20(9):946-52. doi: 10.1097/GME.0b013e3182844110. PMID:PMC3701731
63. Matthews KA, Gibson CJ, El Khoudary SR, **Thurston RC**. Changes in cardiovascular risk factors by hysterectomy status with and without oophorectomy. *Study of Women's Health Across the Nation*. *J Am Coll Cardiol*. 2013 62(3):191-200. doi: 10.1016/j.jacc.2013.04.042. PMID:PMC3777736
64. **Thurston RC**, Luther JF, Wisniewski SR, Eng H, and Wisner KL. Prospective evaluation of nighttime hot flashes during pregnancy and postpartum. *Fert Steril*. 2013 Dec; 100(6):1667-72. doi: 10.1016/j.fertnstert.2013.08.020.
65. \*Lambiasi MJ, Dorn J, **Thurston RC**, Roemmich JN. Flow-mediated dilation and exercise blood pressure in healthy adolescents. *J Sci Med Sport*. 2013 Jun 25. doi: 10.1016/j.jsams.2013.05.015. [Epub ahead of print]
66. Matthews KA, Chang YF, **Thurston RC**, Bromberger JT. Child abuse is related to inflammation in mid-life women: Role of obesity. *Brain Behav Immun*. 2014 Feb;36:29-34. doi: 10.1016/j.bbi.2013.09.013. [PubMed - in process]
67. \*Fu PB, Matthews KA, **Thurston RC**. How well do different measurement modalities estimate the number of vasomotor symptoms? Findings from the Study of Women's Health Across the Nation FLASHES Study. *Menopause*. 2014 Feb;21(2):124-30. PMID: PMC3812392
68. \*van Londen GJ, Beckjord EB, Dew MA, Cooper KL, Davidson NE, Bovbjerg DH, Donovan HS, **Thurston RC**, Morse JQ, Nutt D, Reches R. Associations between adjuvant endocrine therapy and onset of physical and emotional concerns among breast cancer survivors. *Supportive Care in Cancer*. 2014 Apr;22(4):937-45. [PubMed - in process]
69. \*Lambiasi MJ, Kubzansky LD, **Thurston RC**. Prospective study of anxiety and incident stroke. *Stroke*. 2014 Feb;45(2):438-43. [PubMed - in process]
70. Crandall CJ, Han W, Greendale GA, Seeman T, Tepper P, **Thurston RC**, Karvonen-Gutierrez C, Karlamangla AS. Socioeconomic status in relation to incident fracture risk in the Study of Women's Health Across the Nation. *Osteoporosis Int*. 2014 Feb 7. [Epub ahead of print]
71. Matthews KA, Chang YF, **Thurston RC**, Bromberger JT. Child abuse is related to inflammation in mid-life women: Role of obesity. *Brain Behav Immun*. 2014 Feb; 36:29-34. doi: 10.1016/j.bbi.2013.09.013. [PubMed - in process]

72. \*Gibson CJ, **Thurston RC**, Matthews KA. Daily Physical Activity and Hot Flashes in the Study of Women's Health Across the Nation FLASHES Study. *Fertil Steril*. 2014 Jan 31. doi: 10.1016/j.fertnstert.2013.12.029. [Epub ahead of print]
73. \*Appelhans BM, Segawa E, Janssen I, Kazlauskaitė R, **Thurston RC**, Lewis TT, Kravitz HM. Employment status, depressive symptoms, and waist circumference change in midlife women: The Study of Women's Health Across the Nation. *Annals Epidemiol*. 2014 Mar;24(3):187-92. [Epub ahead of print]
74. \*Althouse AD, Abbott JD, Forker AD, Bertolet M, Barinas-Mitchess E, **Thurston RC**, Mulukutla S, Aboyans V, Brooks MM. Risk Factors for Incident Peripheral Arterial Disease in Type 2 Diabetes: Results from the Bypass Angioplasty Revascularization Investigation 2 Diabetes (BARI 2D) Trial. *Diabetes Care*. *In press*
75. **Thurston RC**, EL Khoudary SR, Derby CA, Barinas-Mitchell E, Lewis TT, McClure CK, Matthews KA. Socioeconomic status over 12 years and subclinical cardiovascular disease: The Study of Women's Health Across the Nation. *Stroke*. 2014 Feb 27. [Epub ahead of print]

#### **D. Research support.**

##### **Ongoing**

R01 HL105647-01A1 (Thurston)  
NIH/NHLBI

9/01/11-8/31/16  
Principal Investigator

Mechanisms Linking Hot Flashes to Cardiovascular Risk

The aims of this study are to elucidate the physiologic and psychosocial mechanisms linking hot flashes to cardiovascular risk.

U01AG012546 (Matthews)  
NIH/NIA

5/1/12-4/30/14  
Co-Investigator

Study of Women's Health Across the Nation

This study is a prospective cohort study designed to characterize biological, somatic, and psychosocial changes that occur across the menopausal transition.

##### **Completed (past 3 years only)**

K23 AG029216-05 (Thurston)  
NIH/NIA, NCCAM

9/1/07-3/31/13  
Principal Investigator

A Biopsychosocial Approach to Racial/Ethnic Differences in Menopausal Hot Flashes

The primary research aim of this project is to investigate the role of adiposity and race/ethnicity in physiologically-assessed menopausal hot flashes. The primary training aims of this award are to address the areas of obesity/body composition, reproductive endocrinology, and the physiology of hot flashes.

University of Pittsburgh Institute on Aging (Thurston)  
Mechanisms Linking Hot Flashes to Cardiovascular Risk

7/1/10-6/30/11  
Principal Investigator

This research project is designed to investigate relationships between hot flashes, cardiac vagal control, and endothelial function.

Pittsburgh Mind-Body Center (Thurston)  
Weight Loss for the Management of Hot Flashes: A Pilot Study

7/1/10-6/30/11  
Principal Investigator

This research project is aimed at evaluating the impact of a weight loss intervention on hot flashes.