

BIOGRAPHICAL SKETCH

Provide the following information for the key personnel and other significant contributors in the order listed on Form Page 2.
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NAME Hartmann, Katherine E.		POSITION TITLE Deputy Director, Inst for Medicine & Public Health	
eRA COMMONS USER NAME KATHERINE_HARTMANN		Director, Women's Health Research Associate Professor, Obstetrics and Gynecology	
EDUCATION/TRAINING (Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)			
INSTITUTION AND LOCATION	DEGREE (if applicable)	YEAR(s)	FIELD OF STUDY
Johns Hopkins University, Baltimore, MD	BA	1986	Writing Seminars
Johns Hopkins University, Baltimore, MD	MA	1986	Science Writing
Johns Hopkins University, Baltimore, MD	MD	1992	Medicine
University of North Carolina, Chapel Hill, NC	PhD	1999	Epidemiology

A. Positions and Honors**Positions and Employment**

1992-1996	Resident, OB/GYN, UNC School of Medicine
1996-1998	Robert Wood Johnson Clinical Scholar, UNC School of Medicine
1996-1999	Research Fellow, Cecil G. Sheps Center for Health Services Research, UNC
1999-present	Senior Research Fellow, Cecil G. Sheps Center for Health Services Research, UNC
1999-present	Director, Center for Women's Health Research, UNC
2000-2005	Assistant Professor, OB/GYN, UNC School of Medicine
2000-2005	Assistant Professor, Epidemiology, UNC School of Public Health
2002-2006	Director, Healthcare Epidemiology Program, UNC School of Public Health
2005-2006	Associate Professor, OB/GYN, UNC School of Medicine
2005-2006	Associate Professor, Epidemiology, UNC School of Public Health
2006	Vice Chair for Research, OB/GYN, UNC School of Medicine
2006-present	Deputy Director, Institute for Medicine and Public Health, Vanderbilt University
2006-present	Director, Women's Health Research at Vanderbilt
2006-present	Associate Professor, OB/GYN, Vanderbilt University School of Medicine

Honors

1994	Outstanding Resident Presentation, National Preventive Medicine Meeting
1996	Resident of the Yr.: Outstanding Contributions to Medical Education, Wake Area Health Education Ctr.
1996	Outstanding Resident in Gynecologic Endoscopy, American Assoc. of Gynecologic Laparoscopists
1996	Teaching Award for greatest contribution to student education, OB/GYN, UNC School of Medicine
1998	National Research Service Award: AHCP, Cecil G. Sheps Center, UNC
1999	Delta Omega, National Honor Society for Graduate Studies in Public Health (Epidemiology)
2001	Pfizer Scholars Grants for Faculty Development in Clinical Epidemiology (One of two national awards)
2003	James W. Woods Junior Faculty Award; UNC (Annual award to researcher of "outstanding promise".)
2005	Hedwig van Ameringen Executive Leadership in Academic Medicine (ELAM) Program
2005	Golden Tar Heel Award in recognition of "excellence in teaching and mentoring" in Obstetrics and Gynecology from the UNC School of Medicine Class of 2006
2006	Semi-finalist (29 nationally), Doris Duke Distinguished Clinical Scientist Award

B. Selected Peer-reviewed Publications

- Steiner AZ*, Meyer WR, Clark RL, Hartmann KE. Oil-soluble contrast during hysterosalpingography in women with proven tubal patency. *Obstet Gynecol* 2003;101:109-13.
- Zolnoun DA*, Hartmann KE, Steege J. Overnight 5% lidocaine ointment for treatment of vulvar vestibulitis. *Obstet Gynecol* 2003;102(1):84-7.
- Wegienka G*, Baird DD, Hertz-Picciotto I, Harlow SD, Steege JF, Hill MC, Schectman JM, Hartmann KE. Self-reported heavy bleeding associated with uterine leiomyomata. *Obstet Gynecol* 2003;101(3):431-7.

4. Balu RB*, Savitz DA, Ananth CV, Hartmann KE, Miller WC, Thorp JM, Heine RP. Bacterial vaginosis, vaginal fluid neutrophil defensins, and preterm birth. *Obstet Gynecol* 2003;101:862-8.
5. Promislow HE*, Makarushka CM, Gorman JR, Howards PP*, Savitz DA, Hartmann KE. Recruitment for a community-based study of early pregnancy: the Right from the Start Study. *Paediatric & Perinat Epidemiol*. 2004;18(2):143-52.
6. Williams R*, Hartmann KE, Steege JF. Documenting the current definitions of chronic pelvic pain: implications for research. *Obstet Gynecol*, 2004;103:686-691.
7. Wegienka G*, Baird DD, Hertz-Picciotto I, Harlow SD, Hartmann KE. Uterine leiomyomata (fibroids): Are bleeding symptoms more likely to be reported after diagnosis? *J Clin Epidemiol* 2004;57(3):318-20.
8. Hartmann KE, Espy A*, McPheeters M*, Kinsinger LS. Physicians taught as residents to conduct smoking cessation intervention: a follow-up study. *Prev Med* 2004;39(2):344-50.
9. Hartmann KE, Ma C, Lamvu G, Langenberg P, Steege J, Kjerulff K. Quality of life and sexual function after hysterectomy in women with pre-operative pain and depression. *Obstet Gynecol* 2004;104(4):701-9.
10. Klotzman M*, Weinberg CR, Davis K, Binnie CG, Hartmann KE. A case-based evaluation of *SRD5A1*, *SRD5A2*, *AR*, and *ADRA1A* as candidate genes for severity of BPH. *Pharmacogenomics J* 2004;4:251-9.
11. Gavin N, Adams EK, Hartmann KE, Chireau M*, Berkman N, Benedict MB. Racial and ethnic disparities in the use of pregnancy-related health care among Medicaid pregnant women. *Maternal and Child Health J* 2004;8(3):113-26.
12. Williams RE*, Hartmann KE, Sandler RS, Miller WC, Savitz LA, Steege JF. Prevalence and characteristics of irritable bowel syndrome among women with chronic pelvic pain. *Obstet Gynecol* 2004;104(3):452-8.
13. Yang J*, Hartmann KE, Herring AH, Savitz DA. Reducing misclassification in assignment of timing of events during pregnancy. *Epidemiology* 2005;16(1):121-3.
14. Tu F*, Lamvu G*, Hartmann KE, Steege J. Preoperative ultrasound to predict infraumbilical adhesions: a study of diagnostic accuracy. *Obstet Gynecol* 2005;192:74-9.
15. Petersen R, Clark KA, Hartmann KE, Melvin CL. Getting focused: missed opportunities for smoking interventions for pregnant women receiving Medicaid. *Prev Med* 2005;40:209-15.
16. Williams RE*, Hartmann KE, Sandler RS, Miller WC, Savitz LA, Steege JR. Recognition and treatment of irritable bowel syndrome among women with chronic pelvic pain. *Am J Obstet Gynecol* 2005;192(3):761-7.
17. McPheeters ML*, Miller WC, Hartmann KE, Savitz DA, Kaufman J, Garrett J, Thorp JM Jr. The epidemiology of threatened premature labor: a prospective cohort study. *Am J Obstet Gynecol* 2005;192(4):1325-9.
18. Steiner AZ*, Paulson RJ, Hartmann KE. Effects of competition among fertility centers on pregnancy and high-order multiple gestation rates. *Fertil Steril* 2005;83(5):1429-34.
19. Hartmann KE, Viswanathan M, Palmieri R et al. Outcomes of Routine Episiotomy A Systematic Review. *JAMA* 2005;293:2141-8.
20. Yang J*, Savitz DA, Dole N, Hartmann KE, Herring AH, Olshan AF, Thorp JM Jr. Predictors of vaginal bleeding during the first two trimesters of pregnancy. *Paediatric & Perinat Epidemiol* 2005;19(4):276-83.
21. Williams RE*, Hartmann KE, Sandler RS, Miller WC, Savitz LA, Steege JF. Recognition and treatment of irritable bowel syndrome among women with chronic pelvic pain. *Obstet Gynecol Surv* 2005;60(7):439-440.
22. Wechter ME*, Pearlman M, Hartmann KE. Re-closure of the disrupted laparotomy wound: a systematic review. *Obstet Gynecol* 2005;106(2):376-83.
23. Lamvu G, Lorenz C, Jonsson Funk M, Makarushka C, Hartmann KE, Savitz D. Racial differences among reasons for participating in research of pregnancy outcomes: The Right from the Start experience. *Gender Medicine* 2005;2(3):166-73.
24. Lamvu G*, Steiner MJ, Condon S, Hartmann K. Consistency between most important reasons for using contraception and current method used. *Contraception*, 2006;73(4):399-403.
25. Zolnoun D*, Hartmann K, Lamvu G*, As-Sanie S*, Maixner W, Steege J. A conceptual model for the pathophysiology of vulvar vestibulitis syndrome. *Obstet Gynecol Surv*, 2006;61(6):395-401.
26. Hartmann K, Birnbaum H, Ben-Hamad R, Wu EQ, Farrell MH, Spalding J, Stang P. Annual costs associated with diagnosis of uterine fibroids. *Obstet Gynecol*. 2006;108(4):930-7.
27. Savitz DA, Singer PC, Herring AC, Hartmann KE, Weinberg HS, Makarushka C. Drinking water disinfection by-product exposure and pregnancy loss. *Am J Epid*. (2006 Sept 6, epub ahead of print).
(* Trainee at the time of related research activities.)

C. Research Support**Ongoing Research Support**

1 RO1 HD049675-01A1

Hartmann (PI)

05/01/06-04/30/11

NICHD

Non-steroidal Anti-Inflammatory Use and Miscarriage

This research examines the association of NSAID use with spontaneous abortion. We enroll women who are planning a pregnancy and collect daily diaries of medication use, symptoms (indications) and other key confounders during the period while participants are attempting to conceive. Participants continue to collect daily diary information through the 12th week of pregnancy, have an early ultrasound and complete a telephone interview at 13 weeks. Birth outcomes are documented for all pregnancies.

Role: Principal Investigator

Task Order # 290-02-00-16

Hartmann (PI)

01/16/06-02/15/07

RTI/AHRQ

Management of Uterine Fibroids: A Systemic Evidence Review

The majority of women (>70%) will have uterine fibroids in their lifetime. While fibroids can be asymptomatic, they are associated with a range of symptoms and high utilization of medical care. This systematic review will comb the literature to synthesize evidence about the short- and long-term outcomes of treatment (including harms and costs), and direct comparisons of treatments with regard to recovery, risks, and benefits.

Role: Principal Investigator

1 Z01 ES049013

Baird (NIEHS PI)/Hartmann (Extramural-PI)

04/01/05-03/31/08

NIEHS/CODA

Fibroids and Postpartum Uterine Regression: Part 2

This study conducts follow-up of women in the RFTS study who had serial ultrasounds during pregnancy; 300 women will have an ultrasound and telephone interview at 3 months postpartum to assess the influence of gestational age at birth, lactation history, and contraceptive choice on the natural history of fibroids.

Role: Principal Investigator

3 RO1 HD043883-01A1S1

Hartmann (PI)

01/01/04-12/31/08

NICHD

Minority Supplement to Course and Consequences of Uterine Fibroids in Pregnancy

This research focuses on understanding women's motivation to participate in research and how women conceptualize the value, attractiveness, and risks of participating in research about pregnancy. We will identify which conceptual domains are most strongly associated with completion of specific aspects of the study. We will then determine whether women's overall willingness to participate is affected by a request to collect maternal blood, specimens for genetic research, and whether this varies by race/ethnicity.

Role: Principal Investigator

1 RO1 HL076645

Hartmann (PI)

09/30/04-07/31/07

NHLBI

Subclinical Thyroid Dysfunction and Risk of Myocardial Infarction and Stroke

This case-cohort study examines the association of subclinical hypothyroidism and risk of MI and stroke in the 93,676 member Women's Health Initiative Observational Study cohort. We will assess thyroid function and antibody status of 800 women with an MI and 750 women with a thrombotic/embolic stroke, as well as a randomly selected sub-cohort of 3,200 women density matched for age, race/ethnicity, and clinical center

Role: Principal Investigator

1RO1 HD043883

Hartmann (PI)

01/01/04-12/31/08

NICHD

Consequences and Course of Uterine Fibroids in Pregnancy

This study is enrolling a cohort of 3,300 women, obtaining early first trimester ultrasounds and detailed health and reproductive history interviews from all participants. Women with uterine fibroids identified (and a subset without) have sequential ultrasounds throughout pregnancy, in order to study the influence of fibroid presence, growth, and position on adverse pregnancy outcomes including miscarriage, preterm birth and low birth weight.

Role: Principal Investigator

Selected Completed Research Support

5 K12 HD050113 Clarke-Pearson (PI) 09/27/05-03/31/10
 NICHD

WRHR Career Development Center

This career development program will support approximately 7 new tenure track investigators, providing 75% time for research and training, seminars in leadership skills and practical aspects of research management and infrastructure to promote sophisticated translational research. Faculty scholars are guided by a resource core, a mentor panel, and a lead mentor.

Role: Director Resource Core [Transitioned at time of move to Vanderbilt 09/06]

2 K12 HD001441 Orringer (PI) 09/22/00-07/31/10
 NICHD

Building Interdisciplinary Research Careers in Women's Health Career Development Program

The BIRCWH career development program mentors junior faculty members as they transition to research independence in three interdisciplinary foci in women's health: Etiology to Therapeutics; Prevention and Intervention; and Health Issues of the Mature Woman. Now in its second funding cycle, the BIRCWH has been an exciting addition to the UNC women's health research community. During its initial 4 1/2 years, the BIRCWH supported a total of 17 junior faculty members from 3 Schools on the Health Affairs campus. These included: 9 MDs, 6 PhDs, 1 PharmD, and 1 MD-PhD. Their spectrum of research spans basic science to translational and patient-oriented research to population science.

Role: Associate Program Director [Transitioned at time of move to Vanderbilt 09/06]

Task Order # 1-46U-8452 Visco (PI) 04/01/2005-04/30/06
 RTI/NIH OMAR

Cesarean Delivery on Maternal Request

Our evidence-based practice center group is prepared and published a systematic evidence review of the literature to help inform the discussion of anticipated risks, benefits, and costs associated with fully elective cesarean. The primary document was also the white paper for a related state-of-the-science conference.

Role: Co-Investigator

5 T32 HD040672 Grimes (PI) 06/27/01-04/30/06
 NICHD

Institutional Training Grant: Training in Epidemiology and Clinical Trials

The grant unites the staff and programs of the Schools of Medicine and Public Health at the University of North Carolina, Duke University and the Duke Clinical Research Institute, and Family Health International to provide training opportunities in women's health research. The Advisory Committee is composed of senior academic and research leaders from the participating institutions. All trainees complete an M.P.H. in the Department of Epidemiology at UNC, with emphasis on clinical trials methodology.

Role: Program Director

CRTG-03-074-01-PBP Petersen (PI) 01/03-12/05
 American Cancer Society

Health System Changes Addressing Cancer Risk for Reproductive Age Women

This project addressed the effect of Medicaid reimbursement policy on the provision of smoking cessation intervention delivery during prenatal care. Data from 17 states will be included in the project. Results have been published and additional findings are in review.

Role: Project Mentor/Co-Investigator

No grant number Hartmann (PI) 09/01-08/05
 Pfizer Foundation 2001 Faculty Development Grant in Clinical Epidemiology

Uterine Fibroids in Pregnancy: Prevalence, Growth, and Clinical Consequences

This study is estimated the prevalence of fibroids in pregnancy and collected preliminary data on the association between presence, position, number, and growth of fibroids and risk of 1) pregnancy loss before 24 weeks, and 2) spontaneous preterm birth following preterm labor and preterm premature rupture of membranes. A funded RO1 resulted from the research. Role: Principal Investigator