

LAURA B. HARRINGTON, PhD, MPH
Curriculum vitae

EDUCATIONAL AND BIOGRAPHICAL INFORMATION

Laura B. Harrington, PhD, MPH
Assistant Investigator
Kaiser Permanente Washington Health Research Institute
1730 Minor Avenue, Suite 1600
Seattle, WA 98101-1448
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- 2011 - 2014 **PhD, Epidemiology**
University of Washington, Seattle, WA
Dissertation: “The Endogenous Hormonal Milieu Associated with
Thrombosis in Postmenopausal Women”
Committee: Drs. Nicholas L. Smith (chair), Susan R. Heckbert, Andrea Z.
LaCroix, Barbara McKnight, Nancy Fugate Woods
- 2007 - 2009 **MPH, Epidemiology**
University of Michigan, Ann Arbor, MI
Capstone: “The Association of Smoking with the Menopausal Transition
across 14 Years of Follow-up in the Michigan Bone Health and Metabolism
Study”
Mentor: Dr. MaryFran Sowers
- 2002 - 2006 **BA, English**
Grinnell College, Grinnell, IA

PROFESSIONAL POSITIONS

Current Positions

- 2018-present **Assistant Investigator**
Kaiser Permanente Washington Health Research Institute
Kaiser Foundation Health Plan of Washington, Seattle, WA
- 2020-present **Affiliate Assistant Professor**
Department of Epidemiology
University of Washington School of Public Health, Seattle, WA
- 2018-present **Visiting Scientist**
Department of Nutrition
Harvard T.H. Chan School of Public Health, Boston, MA

2020-present **Assistant Professor**
Department of Health Systems Science
Kaiser Permanente Bernard J. Tyson School of Medicine (KPSOM),
Pasadena, CA

Past Positions

2015-2018 **Postdoctoral Research Fellow**
NHLBI-funded T32 Training Program in Cardiovascular Epidemiology
Department of Nutrition
Harvard T.H. Chan School of Public Health, Boston, MA

2015 **Research Scientist**
Department of Epidemiology, Cardiovascular Health Research Unit
University of Washington, Seattle, WA

2011-2014 **Predoctoral Research Associate**
Department of Epidemiology, Cardiovascular Health Research Unit
University of Washington, Seattle, WA

2012-2013 **Predoctoral Research Fellow**
NHLBI-funded T32 Training Program in Cardiovascular Disease
Epidemiology
Department of Epidemiology, Cardiovascular Health Research Unit
University of Washington, Seattle, WA

2009-2011 **Research Area Specialist Associate**
Division of General Pediatrics, Child Health Evaluation and Research Unit
University of Michigan, Ann Arbor, MI

2007-2009 **Research Assistant**
Division of General Pediatrics, Child Health Evaluation and Research Unit
University of Michigan, Ann Arbor, MI

2008-2009 **Research Assistant**
Department of Epidemiology, Center for Integrated Approaches to Complex
Diseases
University of Michigan School of Public Health, Ann Arbor, MI

2006-2007 **Research Assistant**
Kansas Health Institute, Topeka, KS

2005-2005 **Pharmaceutical Chemistry Intern**
Department of Pharmaceutical Chemistry
University of Kansas, Lawrence, KS

PROFESSIONAL HONORS

- 2017 **American Heart Association Epidemiology Early Career Travel Award**
American Heart Association Epi/Lifestyle Scientific Sessions, Portland, OR
- 2015-2018 **Postdoctoral Fellowship in Cardiovascular Epidemiology**
NHLBI grant #T32-HL098048, PI: Dr. Eric Rimm
Harvard T.H. Chan School of Public Health, Boston, MA
- 2015 **Poster Award (Top 20% of Posters by Score)**
Congress of the International Society on Thrombosis and Haemostasis, Toronto,
Canada
- 2014 **Student Dissertation Workshop Participant and Travel Grant Awardee**
Society for Epidemiologic Research Annual Meeting, Seattle, WA
- 2012-2013 **Predoctoral Fellowship in Cardiovascular Epidemiology**
NHLBI grant #T32-HL007902, PI: Dr. David S. Siscovick
University of Washington, Seattle, WA
- 2008-2009 **Dean's Award**
University of Michigan School of Public Health, Ann Arbor, MI

MEMBERSHIPS

- 2018-present Society for Epidemiologic Research
2013-present American Heart Association
2021-present International Society on Thrombosis and Haemostasis

ORGANIZATIONAL SERVICE

- 2021 *Faculty Orientation Mentor*, Julia Smith, Collaborative Biostatistician III, Kaiser
Permanente Washington Health Research Institute, Seattle, WA
- 2020 *Faculty Representative*, RPPR Stakeholder Process, Kaiser Permanente
Washington Health Research Institute, Seattle, WA
- 2020-present *Organizer*, Junior Investigator Support Team, Kaiser Permanente Washington
Health Research Institute, Seattle, WA
- 2020 *Member*, Mentoring Award Selection Committee, Kaiser Permanente Washington
Health Research Institute, Seattle, WA
- 2019 *Instructor*, Epi 101, Kaiser Permanente Washington Health Research Institute,
Seattle, WA
- 2018 *Presenter*, Kaiser Permanente Washington Health Research Institute High School
Outreach Day, Seattle, WA

OTHER PROFESSIONAL SERVICE

- 2020-present *Co-Chair and Co-Founder*, Women's Health Initiative Venous Thromboembolism and Stroke Scientific Interest Group, Seattle, WA
- 2019 *Session Chair*, Health Care Systems Research Network 2019 Conference, Portland, OR
- 2016-2018 *Coordinator*, Cardiovascular Epidemiology Group, Harvard T.H Chan School of Public Health, Boston, MA
- 2016 *Judge*, Poster Day, Harvard T.H. Chan School of Public Health, Boston, MA
- 2012-2013 *Planning Committee Member*, Seminar Series for 1st Year Epidemiology Students, University of Washington, Seattle, WA
- 2008-2009 *Post-Hurricane Katrina Field Researcher in Biloxi, MS*, Public Health Action Support Team, University of Michigan, Ann Arbor, MI

SPECIAL NATIONAL RESPONSIBILITIES

- 2020-present *Member*, EPI Publications Committee of the Council on Epidemiology and Prevention, American Heart Association

EDITORIAL RESPONSIBILITIES

Journal Reviews, Ad Hoc

American Journal of Clinical Nutrition
British Journal of Haematology
British Journal of Obstetrics and Gynaecology
Heart & Lung: The Journal of Acute and Critical Care
Hormone and Metabolic Research
Journal of the American Medical Association
Journal of Nutrition
Journal of Thrombosis and Haemostasis
PLOS ONE
Postgraduate Medicine
Scientific Reports
Thrombosis and Haemostasis
Thrombosis Research

Conference Abstract Reviews

2019, 2020 Society for Epidemiologic Research Annual Meeting

RESEARCH FUNDING

Current

Administrative Supplement to Physical Activity, Sedentary Behavior, and Venous Thromboembolism Risk

3K01HL139997-03S1 (PI: Harrington), 06/15/21-05/31/2022

National Heart, Lung, and Blood Institute, NIH

The major goal of this project is to provide supplemental support of the scientific and training aims of the NHLBI-funded K01 parent grant, “Physical Activity, Sedentary Behavior, and Venous Thromboembolism Risk”. This ongoing research will improve our understanding of whether physical activity and sedentary behavior are associated with the risk of a first venous thromboembolism (VTE), whether they may trigger VTE, whether they are associated with morbidity after a VTE, and whether they are associated with hemostatic biomarker levels.

Role: **Principal Investigator**; FTE: Y1: 0%

Direct costs: \$49,412

Adult Changes in Thought (ACT) Research Program

U19AG066567 (MPI: Larson/Crane/LaCroix), 05/15/21-04/30/26

National Institute on Aging, NIH

This project aims to improve understanding of aging, brain aging, and dementia by expanding, modernizing, and improving the Adult Changes in Thought (ACT) study, a longstanding cohort study of older adults enrolled from a healthcare delivery system with extensive records from clinical care. The U19 Program will provide valuable data on extremely well characterized individuals and aims to identify targets for prevention and treatment of Alzheimer’s disease and other age-related disorders and facilitate greater collaborative research by expanding and improving dissemination of our exceptional resources.

Role: **Co-Investigator**; FTE on Scientific Project 1: Y1-Y2: 10%; Y3-Y4: 12%; Y5: 15%; FTE on Life Course Core: Y1-Y5: 10%

Direct costs: \$46,656,487

Pregnancy Complications and the Development of Alzheimer’s Disease and Related Dementias in Women in the Adult Changes in Thought Study

R21AG069111 (PI: Miller), 09/30/20-06/30/22

National Institute on Aging, NIH

The major goals of this study are to augment existing reproductive phenotypic data in the Adult Changes in Thought study with detailed obstetric phenotyping and to evaluate the association between preeclampsia and other pregnancy complications and development of Alzheimer’s disease and its related dementias in women.

Role: **Site PI/Co-Investigator**, FTE: Y1-Y2 10%

Direct costs: \$200,430

Proteomic Discovery in an Inception Cohort of Acute Myocardial Infarction Survivors

R01HL149706 (PI: Floyd), 08/15/20-07/31/24

National Heart, Lung, and Blood Institute, NIH

The major goals of this project are to use proteomics to improve our understanding of the etiology of recurrent coronary heart disease, and to identify proteins that are causal factors and potential therapeutic targets for the secondary prevention of coronary heart disease. In the setting of the Heart and Vascular Health Study, this work will measure plasma proteins in an inception cohort of acute myocardial infarction survivors, validate recurrent events, and evaluate longitudinal protein associations with the risk of recurrent coronary heart disease.

Role: **Site PI/Co-Investigator**, FTE: Y1 8%; Y2 6.5%; Y3 11%; Y4 16%

Direct costs: \$206,581

Physical Activity, Sedentary Behavior, and Venous Thromboembolism Risk

K01HL139997 (PI: Harrington), 08/19/2018-07/31/2023

National Heart, Lung, and Blood Institute, NIH

The major goals of this project are to further our understanding of the associations of physical activity and sedentary behavior in relation to incident venous thromboembolism risk, while contributing to the career development of a PhD-level cardiovascular epidemiologist in the areas of lifestyle epidemiology, aging epidemiology, primary data collection, and advanced epidemiologic study design and analysis.

Role: **Principal Investigator**, FTE: Y1 85%; Y2 83%; Y3-Y5: 75%

Direct costs: \$822,500

Past

Analyses of Studies of Activity and Thrombosis

Grant number n/a (PI: Harrington), 03/01/2021-12/31/2021

KPWHRI Small Grants Program, Kaiser Permanente Washington Health Research Institute

This project provides additional support for several data analyses aimed at improving our understanding of physical activity, sedentary behavior, and venous thromboembolism risk.

Role: **Principal Investigator**, FTE: 0%

Direct costs: \$20,476

COVID-19 Data Resource Implementation: Sentinel Common Data Model v7.1.0 and Rapid COVID-19 Sentinel Distributed Database

Contract 75F40119D10037; Task Order 75F40119F19001 (PI: Platt), 09/01/20-12/31/21

FDA Sentinel Initiative

The major goal of this project is to work with the FDA Sentinel Initiative to produce a “freshest feasible” version of the Sentinel Distributed Database, including COVID diagnostic laboratory data, to support COVID-19 public health surveillance.

Role: **Site PI**, FTE: Y1 3%; Y2 5%

Direct costs: \$122,335

Coagulopathy Implementation Study

Contract 75F40119D10037; Task Order 75F40119F19001 (PI: Cocoros), 01/01/21-11/30/21
FDA Sentinel Initiative

The major goals of this project are to improve our understanding of the natural history of coagulopathy among COVID-19 patients, including the incidence of arterial and venous thromboembolic events.

Role: **Site PI/Co-Investigator**, FTE: 10%

Direct costs: \$46,205

Potential for Repurposing Currently Approved Medications to Fight COVID-19: A Proof-of-Concept Study

Grant number n/a (PI: Dublin), 06/01/20-04/30/21

Kaiser Permanente Garfield Memorial Fund, Kaiser Permanente

The major goals of this project are to: 1) examine the use of angiotensin-converting enzyme inhibitors (ACEIs) and angiotensin receptor blockers (ARBs) as a risk factor for infection with SARS-CoV-2 among newly infected members, and, 2) to examine the prognosis associated with the use of ACEIs and ARBs (versus non-use), including the outcomes of pneumonia, hospitalization, admission to the intensive care unit (ICU), and mortality.

Role: **Co-Investigator**, FTE: 15%

Direct costs: \$183,747

Supplementary Support: Physical Activity, Sedentary Behavior, and Venous Thromboembolism

Grant number n/a (PI: Harrington), 01/01/2019-12/31/2019

KPWHRI Development Fund, Kaiser Permanente Washington Health Research Institute

The major goals of this project are to provide supplementary support for research regarding physical activity, sedentary behavior, and venous thromboembolism risk. This project particularly supports the implementation of a case-crossover study set in Kaiser Permanente Washington, in which we will evaluate short-term risk of venous thromboembolism following physical activity.

Role: **Principal Investigator**, FTE: Y1 0%

Direct costs: \$54,389

CVD Epidemiology Training Program in Behavior, the Environment, and Global Health

T32HL098048 (PI: Rimm), 08/01/2015-07/31/2018

National Heart, Lung, and Blood Institute, NIH

The goal of this program is to train a new generation of investigators to understand how behavioral and environmental risk factors impact cardiovascular diseases, and how to sustainably modify these factors.

Role: **Postdoctoral Trainee**

Direct costs: Unknown, Y1-Y3: 100%

The Association of Vasomotor Symptoms with Thrombosis in Postmenopausal Women

R21HL121414 (PI: Smith), 07/15/2014 – 07/31/2016

National Heart, Lung, and Blood Institute, NIH

I co-wrote this application for funding with Dr. Nicholas Smith to fund my dissertation work. It has been suggested that vasomotor symptoms (hot flashes and night sweats) occurring during and after the menopausal transition may be a marker of an increased risk of blood clots. The goal of this project is to evaluate the association between vasomotor symptoms and hemostatic factors as well as vasomotor symptoms and the risk of venous thrombosis in the setting of the Women's Health Initiative.

Role: **Key Personnel**

Direct costs: \$148,875, Y1-Y2: 50%

CVD Epidemiology Training Program

T32-HL007902 (PI: Siscovick), 10/01/2012 – 09/30/2013

National Heart, Lung, and Blood Institute, NIH

The goal of this program is to increase the number of professionals, both Ph.D. cardiovascular epidemiologists and physician-epidemiologists, with the knowledge and skills to develop, implement, evaluate, translate, and disseminate research in the epidemiology and prevention of cardiovascular diseases.

Role: **Predoctoral Trainee**

Direct costs: Unknown, Y1: 100%

TEACHING AND MENTORING RESPONSIBILITIES

Semester/Quarter-Long Courses

Winter 2009 **Graduate Student Instructor**

Communications 211: "Evaluating Information"

Communications Studies Department, University of Michigan, Ann Arbor, MI

Responsible for two sections of twice-weekly two hours/day undergraduate lab sections.

Guest Lecturer/Instructor

Feb. 2021 **Guest Lecturer**

"Physical Activity and Cardiovascular Risk"

Epi 519: Research Methods and Current Topics in Cardiovascular Epidemiology (Instructor: Nicholas L. Smith)

Department of Epidemiology, University of Washington, Seattle, WA

Oct. 2020 **Guest Lecturer**

"Case-crossover Designs for Venous Thromboembolism Risk"

Epidemiology 2: Applied Epidemiology (Instructor: John Bellettiere)

Department of Family Medicine and Public Health, University of California San Diego, San Diego, CA

- Feb. 2020 **Guest Lecturer**
 “Physical Activity and Cardiovascular Risk”
 Epi 519: Research Methods and Current Topics in Cardiovascular Epidemiology
 (Instructor: Nicholas L. Smith)
 Department of Epidemiology, University of Washington, Seattle, WA
- May 2019 **Guest Lecturer**
 “Using Epidemiologic Methods to Further our Understanding of Risk Factors for
 Venous Thrombosis”
 Epi 583: Epidemiology Seminar (Instructor: Daniel A. Enquobahrie)
 Department of Epidemiology, University of Washington, Seattle, WA
- April. 2019 **Guest Lecturer**
 Epi 591: Current Literature in Epidemiology (Instructor: Noel S. Weiss)
 Department of Epidemiology, University of Washington, Seattle, WA
 Led discussion of case-crossover methodology in studies of venous thrombosis.
- Feb. 2019 **Epidemiologic Methods Instructor**
 Epi 101: “Study populations – internal/external validity and generalizability”
 Kaiser Permanente Washington Health Research Institute, Seattle, WA
 Responsible for one lecture (1 hour) as part of a course for KPWHRI staff and
 scientists to provide an overview of epidemiologic and biostatistical principles
 and methods.
- August 2017 **Nanocourse Instructor**
 “Nutritional Epidemiology: from dietary assessment to public health
 recommendations”
 Harvard T.H. Chan School of Public Health, Boston, MA,
 Two-day, three hours/day (6 hours total) course taught by team of four instructors.

Masters Thesis Committees

- 2021 Samantha L. Leduc, MPH (Epidemiology)
 “Association between circulating sex hormones and incident venous
 thromboembolism in women”
 Chair: Sara Lindstroem; Harrington Role: Committee member
 University of Washington, Seattle, WA

PUBLICATIONS

Published papers in refereed (peer-reviewed) journals

1. Kim J, Bhupathiraju SN, **Harrington LB**, Hagan KA, Lindstrom S, Manson JE, Kraft J, Kabrhel C. Oral postmenopausal hormone therapy and genetic risk on venous thromboembolism: gene-hormone interaction results from a large prospective cohort study. *Menopause*. 2022 Jan 10. Online ahead of print. PMID 35013050.

2. Shortreed SM, Gray R, Akosile MA, Walker RL, Fuller S, Temposky L, Fortmann SP, Albertson-Junkans L, Floyd JS, Bayliss EA, **Harrington LB**, Lee MH, Dublin S. Increased COVID-19 infection risk drives racial and ethnic disparities in severe COVID-19 outcomes. *Journal of Racial and Ethnic Health Disparities*. (accepted in December 2021)
3. Blondon M, Timmons AK, Baraff AJ, Floyd JS, **Harrington LB**, Korpak AM, Smith NL. Comparative venous thromboembolic safety of oral and transdermal postmenopausal hormone therapies among Veterans. *Menopause*. 2021 Jul 26; 28(10): 1125-1129. PMC8478712.
4. **Harrington LB**, Ehlert, AN, Thacker EL, Jenny NS, Lopez O, Cushman M, Fitzpatrick A, Mukamal KJ, Jensen MK. Hemostatic factor levels and cognitive decline in older adults: the Cardiovascular Health Study. *J Thromb Haemost*. 2021 May; 19(5): 1219-1227. PMC8136364.
5. Dublin S, Walker RL, Floyd JS, Shortreed SM, Fuller S, Albertson-Junkans LH, **Harrington LB**, Greenwood-Hickman MA, Green BB, Psaty BM. Renin-angiotensin-aldosterone system inhibitors and COVID-19 infection or hospitalization: a cohort study. *Am J Hypertension*. 2021 Apr 20; 34(4): 339-347. PMC7665332.
6. Hagan KA, **Harrington LB**, Kim J, Lindstrom S, Camargo CA Jr, Grodstein F, Kabrhel C. Adiposity throughout the life course and risk of venous thromboembolism. *Thromb Res*. 2018 Dec; 172: 67-73. PMC6286245.
7. **Harrington LB**, Hagan KA, Mukamal KJ, Kang JH, Kim J, Crous-Bou M, Lindstroem S, Rimm EB, Kabrhel C, Jensen MK. Alcohol consumption and the risk of incident pulmonary embolism in U.S. women and men. *J Thromb Haemost*. 2018 Sep; 16(9): 1753-1762. PMC6368406.
8. Hagan KA, **Harrington LB**, Kim J, Grodstein F, Kabrhel C. Reduction in physical function in women after venous thromboembolism. *J Thromb Haemost*. 2018 Jun 8; 10.1111/jth.14196. PMC6286689.
9. Kim J, Kraft P, Hagan KA, **Harrington LB**, Lindstrom S, Kabrhel C. Interaction of a genetic risk score with physical activity, physical inactivity, and body mass index in relation to venous thromboembolism risk. *Genetic Epidemiology*. 2018 Jun; 42(4): 354-365. PMC5980715.
10. **Harrington LB**, Blondon M, Cushman M, Kaunitz A, Allison MA, Wang L, Sullivan SD, Woods NF, LaCroix AZ, Heckbert SR, McKnight B, Rossouw JE, Smith NL. Vasomotor symptoms and the risk of incident venous thrombosis in postmenopausal women. *J Thromb Haemost*. 2018 May; 16(5): 886-892. PMC5932241.
11. Zeleznik OA, Poole EM, Lindstrom S, Kraft P, van Hylekama Vlieg A, Lasky-Su JA, **Harrington LB**, Hagan KA, Kim J, Parry BA, Giordano N, Kabrhel C. Metabolomic analysis of 92 pulmonary embolism patients from a nested case-control study identifies metabolites associated with adverse clinical outcomes. *J Thromb Haemost*. 2018 Mar; 16(3): 500-507. PMC5826867.

12. **Harrington LB**, Blondon M, Cushman M, Kaunitz AM, Rossouw JE, Allison MA, Martin LW, Johnson KC, Rosing J, Woods NF, LaCroix AZ, Heckbert SR, McKnight B, Smith NL. The cross-sectional association between vasomotor symptoms and hemostatic parameter levels in postmenopausal women. *Menopause*. 2017 Apr; 24(4): 360-370. PMC5365368.
13. **Harrington LB**, Brett MT, Wiggins KL, McKnight B, Heckbert SR, Woods NF, LaCroix AZ, Blondon M, Psaty BM, Rosendaal FR, Matsumoto AM, Smith NL. Cross-sectional association of endogenous steroid hormone, sex hormone-binding globulin, and precursor steroid levels with hemostatic factor levels in postmenopausal women. *J Thromb Haemost*. 2017 Jan; 15(1): 80-90. PMC5280337.
14. Blondon M, **Harrington LB**, Boehlen F, Robert-Ebadi H, Righini M, Smith NL. Pre-pregnancy BMI, delivery BMI and gestational weight gain and the risk of postpartum venous thromboembolism: a population-based, case-control study. *Thromb Res*. 2016 Sep; 145: 151-156. PMID: 27421192.
15. Smith NL, **Harrington LB**, Blondon M, Wiggins KL, Floyd JS, Sitlani C, McKnight B, Rosendaal F, Heckbert SR, Psaty BM. The association of statin therapy with the risk of recurrent venous thrombosis. *J Thromb Haemost*. 2016 Jul; 14(7): 1384-1392. PMC4966556.
16. **Harrington LB**, Weiss NS, Wiggins KL, Heckbert SR, McKnight B, Blondon M, Woods NF, LaCroix AZ, Psaty BM, Smith NL. Prior hysterectomy and oophorectomy status and incident venous thrombosis risk among postmenopausal women: a population-based, case-control study. *Menopause*. 2016 Feb; 23(2): 143-149. PMC4731261.
17. **Harrington LB**, Wiggins KL, Sitlani CM, Blondon M, van Hylckama Vlieg A, Rosendaal FR, Heckbert SR, Psaty BM, Smith NL. The association of *F11* genetic variants with the risk of incident venous thrombosis among women, by statin use. *Thromb Haemost*. 2016 Mar; 115(3): 682-684. PMC4775289.
18. Callegari LS, Gray KE, Gerber MR, **Harrington LB**, Cochrane BB, Weitlauf JC, Bean-Mayberry B, Bastian LA, Mattocks KM, Haskell SG, Zephyrin LC, Katon JG. Hysterectomy and Bilateral Salpingo-Oophorectomy: Variations by History of Military Service and Birth Cohort. *Gerontologist*. 2016 Feb; 56 Suppl 1(Suppl 1): S67-77. PMC5881615.
19. Katon J, Gray K, Gerber MR, **Harrington L**, Woods N, Weitlauf J, Bean-Mayberry B, Goldstein K, Hunt J, Katon W, Haskell S, McCutcheon S, Gass M, Gibson CJ, Zephyrin L. Vasomotor symptoms and Quality of Life Among Veteran and Non-Veteran Postmenopausal Women. *Gerontologist*. 2016 Feb; 56 Suppl 1: S40-53. PMID: 26768393.
20. Blondon M, Quon BS, **Harrington, LB**, Bounameaux H, Smith NL. Associations between newborn birth weight and the risk of postpartum maternal venous thromboembolism: a population-based case-control study. *Circulation*. 2015 Apr 28; 131(17): 1471-1476. PMID: 25745022.
21. Blondon M, **Harrington LB**, Righini M, Bounameaux H, Smith NL. Racial and ethnic differences in the risk of postpartum venous thromboembolism: a population-based case-control study. *J Thromb Haemost*. 2014 Dec; 12(12): 2002-2009. PMID: 25279442.
22. Dombkowski KJ, Costello L, **Harrington LB**, Dong S, Kolasa M, Clark SJ. Age-specific strategies for immunization reminders and recalls: a registry-based randomized trial. *Am J Prev Med*. 2014 Jul; 47(1): 1-8. PMID: 24750973.

23. Blondon M, Van Hylckama Vlieg A, Wiggins KL, **Harrington LB**, McKnight B, Rice KM, Rosendaal FR, Heckbert SR, Psaty BM, Smith NL. Differential associations of oral estradiol and conjugated equine estrogen with hemostatic biomarkers. *J Thromb Haemost.* 2014 Jun; 12(6): 879-886. PMC5371691.
24. Smith NL, Blondon M, Wiggins, KL, **Harrington LB**, van Hylckama Vlieg A, Floyd JS, Hwang M, Bis JC, McKnight B, Rice KM, Lumley T, Rosendaal FR, Heckbert SR, Psaty BM. Lower risk of cardiovascular events in postmenopausal women taking oral estradiol compared with oral conjugated equine estrogen. *JAMA Intern Med.* 2014 Jan; 174(1): 25-31. PMC4636198.
25. Blondon M, Wiggins KL, **Harrington LB**, Psaty BM, Smith NL. Lack of strong effect modification of the risk of venous thrombosis associated with oral hormone therapy by NFE2L2, CYP3A5 and ABO. *J Thromb Haemost.* 2013 Aug; 11(8): 1617-1619. PMC4363936.
26. Dombkowski K, **Harrington L**, Hanauer D, Kennedy A, Clark S. Current and potential use of new technologies for reminder notifications. *Clin Pediatr (Phila).* 2012 Apr; 51(4): 394-397. PMID: 22333573.
27. Dombowski KJ, Cowan AE, **Harrington LB**, Allred NJ, Hudson E, Clark SJ. Feasibility of Initiating and Sustaining Registry-Based Immunization Recall in Private Practices. *Acad Pediatr.* 2012 Mar-Apr; 12(2): 104-109. PMID: 22321815.
28. Dombkowski KJ, **Harrington LB**, Dong S, Clark SJ. Seasonal influenza vaccination reminders for children with high-risk conditions: A registry-based randomized trial. *Am J Prev Med.* 2012 Jan; 42(1): 71-75. PMID: 22176850.

Accepted peer-reviewed papers in press

Not currently applicable.

Non-refereed papers/articles

1. Crous-Bou M[^], **Harrington LB**[^], Kabrhel C. Environmental and genetic risk factors associated with venous thromboembolism. *Semin Thromb Haemost.* Nov. 2016. 42(8):808-820. PMC5146955
[^]*shared first authorship; authors contributed equally and listed alphabetically*

Book chapters

Not applicable.

Published technical reports

Not applicable.

Published abstracts from professional conferences

1. Fuller S, Gleason K, Walker RL, Fortmann SP, Albertson-Junkans L, Powers JD, Lee MH, Floyd JS, Temposky L, Shortreed SM, Bayliss EA, **Harrington LB**, Kuntz JL, Pieper L, Van Marter J, Dublin S. *Validity of electronic health record-based measures for COVID-19 hospitalization and severe outcomes*. *Pharmacoepidemiology and Drug Safety*; 30: 93-94, 2021.
2. **Harrington LB**, Hagan K, Kang JH, Kim J, Giovannucci E, Mittleman MA, Rimm EB, Kabrhel C, Jensen MK, Mukamal KJ. *Abstract P310: Erectile Dysfunction and Venous Thromboembolism Risk in the Health Professionals Follow-up Study*. American Heart Association Epidemiology/Lifestyle Scientific Sessions (AHA Epi Lifestyle) 2019. *Circulation*. 2019;139:AP310.
3. **Harrington LB**, Ehlert A, Jenny N, Lopez O, Cushman M, Fitzpatrick A, Mukamal K, Jensen M. *Hemostatic Parameter Levels and Dementia Risk in the Cardiovascular Health Study*. Gerontological Society of America Annual Scientific Meeting 2018. *Innov Aging*. 2018 Nov; 2(Suppl 1): 702-703. PMC6229309.
4. **Harrington LB**, Mukamal KJ, Hagan KA, Kang JH, Kim Jihye, Rimm EB, Kabrhel CB, Jensen MK. *Abstract P272: Dietary Intake of Vitamin K and the Risk of Incident Pulmonary Embolism in the Nurses' Health Study*. American Heart Association Epidemiology/Lifestyle Scientific Sessions 2018; *Circulation*. 2018; 137:AP272.
5. Hagan KA, **Harrington LB**, Kim Jihye, Grodstein F, Kabrhel C. *Abstract P270: Body Size Throughout the Life Course and Risk of Venous Thromboembolism*. American Heart Association Epidemiology/Lifestyle Scientific Sessions 2018; *Circulation*. 2018; 137:AP270.
6. **Harrington LB**, Crous-Bou M, Kang JH, Lindstrom S, Mukamal KJ, Rimm EB, Kabrhel C, Jensen MK. *Abstract P245: Amount and Frequency of Alcohol Consumption and the Risk of Incident Pulmonary Embolism in the Nurses' Health Study*. American Heart Association Epidemiology/Lifestyle Scientific Sessions 2017; *Circulation*. 2017; 135:AP245.
7. **Harrington LB**, Wiggins KL, Blondon M, Floyd JS, Bis JC, Sitlani CM, Rice KM, McKnight B, Psaty BM, Heckbert SR, Smith NL. *Abstract P377: Oral estrogen hormone therapy use after incident venous thrombosis and the risk of recurrence*. American Heart Association Epidemiology/Nutrition, Physical Activity, and Metabolism Scientific Sessions (AHA Epi/NPAM) 2014; *Circulation*. 2014;129:AP377.

Digital and Other Novel Forms of Scholarship

Not applicable.

INVITED PRESENTATIONS

Local

April 2018 *Erectile Dysfunction and Venous Thromboembolism: Potential Marker of Risk?*
Joint Training Grant Symposium "TED-style" Presentations
Harvard T.H. Chan School of Public Health, Boston, MA

- April 2017 *Alcohol Consumption and the Risk of Incident Venous Thromboembolism in the Nurses' Health Study*
Channing Division of Network Medicine Breakfast Seminar Series
Channing Division of Network Medicine, Boston, MA
- Nov. 2016 *Venous Thromboembolism in the Nurses' Health and Health Professionals Follow-up Studies*
Meeting of T32 Trainees in CVD and Cancer Epidemiology
Harvard T.H. Chan School of Public Health, Boston, MA
- Sept. 2016 *Alcohol Consumption and the Risk of Incident Venous Thromboembolism*
Cardiovascular Epidemiology Group
Harvard T.H. Chan School of Public Health, Boston, MA
- Sept. 2015 *The Endogenous Hormonal Milieu Associated with Thrombosis in Postmenopausal Women*
Cardiovascular Epidemiology Group
Harvard T.H. Chan School of Public Health, Boston, MA
- Nov. 2014 *The Endogenous Hormonal Milieu Associated with Thrombosis in Postmenopausal Women*
Cardiovascular Health Research Unit
University of Washington, Seattle, WA
- June 2007 *KALHD's Survey of MCH Divisions in Local Health Departments*
Immunize Kansas Kids, Topeka, KS
- Jan. 2007 *States with High Rates: How Do they do it? Part II*
Immunize Kansas Kids, Topeka, KS
- National***
- June 2019 *Using Epi Methods to Improve our Understanding of Pulmonary Embolism and Deep Vein Thrombosis*
T32 in Integrated Cardiovascular Epidemiology Seminar Series
Department of Family Medicine and Public Health
University of San Diego School of Medicine, San Diego, CA
- Feb. 2018* *Hormonal, Pharmacologic, and Lifestyle-Based Risk Factors for Venous Thromboembolism*
Kaiser Permanente Washington Health Research Institute Seminar Series
Kaiser Permanente Washington Health Research Institute, Seattle, WA
*I was based in Boston and not local to KPWHRI or Seattle in Feb. 2018.

March 2017* *Work in Progress: Alcohol Consumption and the Risk of Incident Venous Thromboembolism in the Nurses' Health Study*
Cardiovascular Health Research Unit
University of Washington, Seattle, WA
*I was based in Boston and not local to UW or Seattle in March 2017.

OTHER PRESENTATIONS

Presenter underlined and presentation format in brackets:

1. Dublin S, Walker R, Floyd JS, Shortreed SM, Fuller S, Albertson-Junkans L, **Harrington LB**, Greenwood-Hickman MA, Green BB, Psaty BM. *Renin-angiotensin-aldosterone system inhibitors and COVID-19 infection or hospitalization: a cohort study*. International Conference on Pharmacoepidemiology, Virtual Conference during COVID-19 Pandemic. October 2020. [oral]
2. **Harrington LB**, Hagan K, Kang JH, Kim J, Giovannucci E, Mittleman MA, Rimm EB, Kabrhel C, Jensen MK, Mukamal KJ. *Erectile dysfunction and venous thromboembolism risk in the Health Professionals Follow-up Study*. American Heart Association Epi/Lifestyle Scientific Sessions, Houston, TX. March 2019. [poster]
3. **Harrington LB**, Ehlert AN, Jenny NS, Lopez O, Cushman M, Fitzpatrick A, Mukamal KJ, Jensen MK. *Hemostatic Parameter Levels and Dementia Risk in the Cardiovascular Health Study*. Gerontological Society of America Annual Scientific Meeting, Boston, MA. November 2018. [poster]
4. **Harrington LB**, Mukamal KJ, Hagan KA, Kang JH, Kim J, Rimm EB, Kabrhel C, Jensen MK. *Dietary intake of vitamin K and the risk of incident pulmonary embolism in the Nurses' Health Study*. American Heart Association Epi/Lifestyle Scientific Sessions, New Orleans, LA. March 2018. [oral at NHLBI trainee session and poster at larger meeting]
5. Hagan KA, **Harrington LB**, Kim J, Grodstein F, Kabrhel C. *Body size throughout the life course and risk of venous thromboembolism*. American Heart Association Epi/Lifestyle Scientific Sessions, New Orleans, LA. March 2018. [poster]
6. Kim J, Kraft P, Hagan KA, **Harrington LB**, Lindstrom S, Kabrhel C. *BMI and Physical Inactivity Modify Genetic Influences on the Risk of Venous Thromboembolism*. American Heart Association Scientific Sessions, Anaheim, CA. November 2017. [poster]
7. Hayden KM, Wang Y, Beavers DP, Chen JC, Espeland MA, Ford C, **Harrington LB**, He K, Jensen M, Johnson KC, Manson JE, Marchand N, Masaki K, Salmoirago-Blotcher E, Vitolins MZ, Zaslavsky O, Morris MC. *Association between the MIND Diet and Dementia Risk in the Women's Health Initiative Memory Study*. Alzheimer's Association International Conference, London, England. July 2017. [poster]
8. Hagan KA, **Harrington LB**, Kim J, Grodstein F, Kabrhel C. *Venous thromboembolism and subsequent physical function*. International Society on Thrombosis and Haemostasis, Berlin, Germany. July 2017. [oral]
9. **Harrington LB**, Crous-Bou M, Kang JH, Lindström S, Mukamal KJ, Rimm EB, Kabrhel C, Jensen MK. *Amount and Frequency of Alcohol Consumption and the Risk of Incident Pulmonary Embolism in the Nurses' Health Study*. American Heart Association Epi/Lifestyle Scientific Sessions, Portland, OR. March 2017. [moderated poster]

10. Katon J, Gray K, Gerber MR, **Harrington L**, Woods N, Weitlauf J, Bean-Mayberry B, Goldstein K, Hunt J, Katon W, Haskell S, McCutcheon S, Gass M, Gibson CJ, Zephyrin L. *Vasomotor symptoms, depression, obesity, and health related quality of life among Veteran and non-Veteran postmenopausal women*. Academy of Psychosomatic Medicine. November 2015, New Orleans, LA. [oral]
11. Blondon M, **Harrington LB**, Boehlen F, Robert-Ebadi H, Righini M, Smith NL. *Pre-pregnancy BMI and delivery BMI as risk factors for postpartum VTE: a population-based, case-control study*. International Society on Thrombosis and Haemostasis. June 2015, Toronto, Canada. [oral]
12. **Harrington LB**, Marck BT, Wiggins KL, McKnight B, Heckbert SR, Woods NF, LaCroix AZ, Blondon M, Psaty BM, Rosendaal FR, Matsumoto AM, Smith NL. *The association of endogenous steroid hormone, SHBG, and precursor steroid levels with hemostatic factor levels in postmenopausal women*. International Society on Thrombosis and Haemostasis, Toronto, Canada. June 2015. (poster presentation) [poster, top 20% of posters by score]
13. **Harrington LB**, Rossouw JE, Cushman M, Blondon M, Kaunitz A, McKnight B, Heckbert SR, Woods NF, LaCroix AZ, Allison MA, Martin LW, Johnson KC, Smith NL. *The association between vasomotor symptoms and hemostatic factors in postmenopausal women*. North American Menopause Society, Washington, D.C. October 2014. [oral]
14. **Harrington LB**, Rossouw JE, Cushman M, Blondon M, Kaunitz A, McKnight B, Heckbert SR, Woods NF, LaCroix AZ, Allison MA, Martin LW, Johnson KC, Smith NL. *The association between vasomotor symptoms and hemostatic factors in postmenopausal women*. The Science of Thermoregulation and Vasomotor Symptoms: New Targets for Research and Treatment. 2nd Utian Translational Science Symposium, Washington, D.C. October 2014. [poster]
15. **Harrington LB**, McKnight B, Heckbert SR, Wiggins KL, Blondon M, Psaty BM, Woods NF, LaCroix AZ, Smith NL. *The association between bilateral salpingo-oophorectomy and incident venous thrombosis among postmenopausal women with hysterectomy*. Scientific and Standardization Committee Meeting of the International Society on Thrombosis and Haemostasis, Milwaukee, WI. June 2014. [poster]
16. Blondon M, Quon B, **Harrington L**, Bounameaux H, Smith N. *Association between newborn birth weight and maternal venous thromboembolism in the postpartum period: a population-based case-control study*. Scientific and Standardization Committee Meeting of the International Society on Thrombosis and Haemostasis, Milwaukee, WI. June 2014. [oral]
17. Blondon M, **Harrington L**, Casini A, Boehlen F, Righini M, Bounameaux H, Smith N. *Racial and ethnic differences in the risk of postpartum venous thromboembolism: a population-based, case-control study*. European and Swiss Congress of Internal Medicine 2014, Geneva, Switzerland. May 2014. [poster]
18. **Harrington LB**, Wiggins KL, Blondon M, Floyd JS, Bis JC, Sitlani CM, Rice KM, McKnight B, Psaty BM, Heckbert SR, Smith NL. *Oral Estrogen Hormone Therapy Use after Incident Venous Thrombosis and the Risk of Recurrence*. American Heart Association EPI/NPAM 2014, San Francisco, CA. March 2014. [oral and poster]

19. **Harrington LB**, Wiggins KL, Sitlani C, Blondon M, Hyyckama Vlieg A van, Rosendaal F, Heckbert SR, Psaty BM, Smith NL. *Replication and meta-analysis of the association between F11 genetic variants and the risk of incident venous thrombosis by statin use*. Congress of the International Society on Thrombosis and Haemostasis, Amsterdam, Netherlands. July 2013. [moderated poster]
20. **Smith NL**, **Harrington LB**, Blondon M, Wiggins K, Floyd JS, Sitlani C, McKnight B, Rosendaal F, Heckbert SR, Psaty BM. *Current statin use and its association with recurrent venous thrombosis*. Congress of the International Society on Thrombosis and Haemostasis, Amsterdam, Netherlands. July 2013. [oral]
21. **Blondon M**, Wiggins K, **Harrington LB**, McKnight B, Taylor KD, Rosendaal F, Heckbert SR, Psaty BM, Smith NL. *Candidate genetic polymorphisms and their associations with incident and recurrent venous thrombosis*. Congress of the International Society on Thrombosis and Haemostasis, Amsterdam, Netherlands. July 2013. [oral]
22. **Blondon M**, Wiggins KL, **Harrington L**, Li G, McKnight B, Psaty BM, Smith NL, *Absence of interactions between selected genetic polymorphisms and oral hormone therapy on the risk of venous thrombosis*. International Symposium on Women's Health Issues in Thrombosis and Haemostasis, Vienna, Austria. February 2013. [poster]
23. **Blondon M**, Hoppe KK, **Harrington L**, Righini M, Boehlen F, Smith NL, Bounameaux H, *Risk of venous thrombosis after cesarean sections: a systematic review and meta-analysis*. International Symposium on Women's Health Issues in Thrombosis and Haemostasis, Vienna, Austria. February 2013. [poster]
24. **Dombkowski KJ**, **Harrington LB**, Kennedy A, Clark SJ, *Parent Preferences for Automated Appointment Reminders*. 2012 Pediatric Academic Society Meeting, Boston, MA. 29 April 2012. [poster]
25. **Dombkowski K**, **Harrington L**, Kennedy A, Clark S, *Parent Preferences for Automated Appointment Reminders*. National Immunization Conference. CDC, Online. 26 March 2012. [oral]
26. **Dombkowski KJ**, **Harrington LB**, Kennedy A, Clark SJ, *Parent Preferences for Automated Appointment Reminders*. 2012 Pediatric Academic Society Meeting, Boston, MA. 29 April 2012. [poster]
27. **Dombkowski K**, **Harrington L**, Kennedy A, Hanauer D, Clark S, *Current and Potential Use of New Technologies for Immunization Reminder Notification*. 2011 Pediatric Academic Society Meeting, Denver, CO. 3 May 2011. [oral]
28. **Dombkowski K**, **Harrington L**, Kennedy A, Hanauer D, Clark, S., *Provider Readiness to Leverage New Technologies for Reminder Notifications*. National Immunization Conference. CDC, Washington, D.C. 28 March 2011. [oral]
29. **Dombkowski K**, **Harrington L**, Kolasa M, Clark S, *Effectiveness of Population-Based Immunization Recall in a Large Urban Area*. National Immunization Conference. CDC, Washington, D.C. 28 March 2011. [poster]
30. **Dombkowski K**, **Harrington L**, Clark S, *Pandemic Preparedness: Identifying and Reaching Priority Cases Using an IIS*. National Immunization Conference. CDC, Washington, D.C. 28 March 2011. [poster]

31. Dombkowski K, **Harrington L**, Dong S, Kolasa M, Clark S, *Centralized Immunization Recall in a Large Urban Area*. National Immunization Conference. CDC, Atlanta, GA. 20 April 2010. [poster]
32. Dombkowski K, **Harrington L**, Dong S, Clark S, *Improving Flu Vaccination Rates for Children with Chronic Conditions*. National Immunization Conference. CDC, Atlanta, GA. 20 April 2010. [oral]
33. Dombkowski K, **Harrington L**, Dong S, Stevenson J, Clark S, *Moved and Gone Somewhere: Cross-Jurisdiction Implications of MOGEs*. National Immunization Conference. CDC, Atlanta, GA. 19 April 2010. [oral]
34. Dombkowski K, **Harrington L**, Dong S, Stevenson J, Clark S, *Using the National Change of Address Database to Locate Children Designated as Moved or Gone Elsewhere*. National Immunization Conference. CDC, Atlanta, GA. 19 April 2010. [oral]
35. Dombkowski KJ, Hudson E, **Harrington L**, Clark SJ, *Cost Considerations for Immunization Recall by Private Providers*. National Immunization Conference. CDC, Dallas, TX. 31 March 2009. [oral]
36. Dombkowski KJ, **Harrington L**, Hudson E, Clark S. *Perceived Barriers to Use of Immunization Recall among Private Providers*. National Immunization Conference. Hilton Atlanta, CDC, Atlanta, GA. 20 March 2008. [oral]