

CURRICULUM VITAE

AMY G. HUEBSCHMANN, MD, MS, FACP

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Career objective:

Dr. Huebschmann is an Associate Professor in the University of Colorado School of Medicine with the Division of General Internal Medicine and the Ludeman Family Center for Women's Health Research. Her career objective is to develop tailored approaches to improve health and function for adults with chronic disease that are pragmatic for use in primary care and community settings. To accomplish this career objective, she uses dissemination and implementation science principles to enhance disease self-management for patients and to tailor implementation strategies for health systems to the local context. Dr. Huebschmann has in-depth knowledge and experience implementing these types of programs in clinical care and community settings in such diverse content areas as physical activity coaching for type 2 diabetes mellitus, overcoming clinical inertia for hypertension management, and implementing effective school-based asthma management programs.

1. Academic Appointments

- Associate Professor, Clinician-Investigator, Division of General Internal Medicine (7/2013 – Present)
- Assistant Professor, Clinician-Investigator, Division of General Internal Medicine (7/2006 – 6/2013)
- Assistant Professor, Clinician-Educator, Division of General Internal Medicine (7/2004 – 7/2006)
- Instructor, Division of General Internal Medicine (7/2003 – 7/2004)

2. Education/Training

- 9/2014 – 6/30/2018, NIH National Heart Lung Blood Institute (NHLBI) K23 scholar
- 2015, Master's of Science (MSc) in Clinical Sciences, University of Colorado Graduate School, Anschutz Medical Campus
- 9/2011 – 8/2014, Colorado Clinical and Translational Sciences Institute (CCTSI) KL2 scholar
- 7/2009 – 6/2011, (CCTSI) Clinical Faculty Scholars Program
- 2008, Certificate in Public Health from CU School of Public Health (18 hours of graduate level coursework)
- 7/2006 – 6/2009, Primary Care Research Fellowship funded by the Health Resources and Services Administration (HRSA) of the U.S. Department of Health and Human Services
- 2000 – 2003, Internal Medicine Residency, University of Colorado (CU) School of Medicine
- 2000, M.D., Vanderbilt University School of Medicine

- 1996, B.S., Environmental Engineering, University of Illinois at Urbana-Champaign

3. Awards and Honors

- Research Faculty Collaborator Award (2022), University of Colorado Anschutz Medical Campus
- Excellence in Clinical Innovation award (2021), awarded to me as a founding member of the University of Colorado Health (UCHealth) Diabetes Home and Remote Care team – we established this new program to support patients with uncontrolled blood glucose levels to share glucose data electronically and obtain regular diabetes self-management counseling and medication titration recommendations from UCHealth Endocrinology diabetes experts and a certified diabetes educator – my role on the team was to serve as a Subject Matter Expert on diabetes and remote data sharing, and to assist with primary care stakeholder engagement and implementation challenges, and to recommend metrics for the program evaluation.
- Fellow, American College of Physicians (2015)
- “Excellence in Clinical Investigation” award (2014), Society of General Internal Medicine, Mountain West region
- Aspen Spotlight Scholar award (2014) – selected by the Aspen Institute as one of 100 national junior health leaders for her accomplishments and leadership in translating ideas into action. Awardees attended the inaugural “Aspen Ideas” conference on health topics in 2014 — Spotlight: Health.
- Research Excellence Award, University of Colorado School of Medicine, Division of General Internal Medicine (2014 – 2016)
- CCTSI KL2 Scholar (Career Development award, funding for 2011 - 2014)
- Annals of Internal Medicine – Outstanding Peer Reviewer designation (2011-2012, 2014)
- University Hospital “Inspired Kindness” Award (2006)
- CU Center for Women’s Health Junior Investigator Award, awarded competitively (2008)
- Travel Award to 5th Annual Meharry-Vanderbilt Alliance National Health Disparities Conference, awarded competitively (2007)
- CU Center for Women’s Health Jacqueline Marie Leaffer Travel Award to 67th Annual American Diabetes Association Scientific Sessions, awarded competitively (2006)
- Outstanding Instructor Award – University of Colorado Internal Medicine Residency Program (2001 - 2002)
- Dean’s Award, 2000 (awarded to one graduating Vanderbilt medical student for leadership and community service)
- Vanderbilt Medical School Class President (1998 -1999)
- Ira O. Baker Award, 1996 (awarded to the top University of Illinois senior undergraduate student majoring in Environmental Engineering)

4. Leadership Positions

- Founding Director (2019-2021) and current Co-Director (2021-present), University of Colorado Graduate Certificate in Dissemination and Implementation Science Research
- Chair, Society of Behavioral Medicine Education, Training, and Career Development Council (2017-2020)
- Chair, Society of Behavioral Medicine Diabetes Special Interest Group (2016-2017)

- Lead Scientist, Community Education and Outreach, University of Colorado Center for Women's Health Research (2012–present)
- Workshop planning Co-chair, “Getting your Dissemination and Implementation Science Grant funded”, University of Colorado School of Medicine, June 2017.

5. Major Committee and Service Responsibilities

National Committees

- Society of Behavioral Medicine Education, Training, and Career Development Council member (2013 – 2021, served as Chair from 2017-2020)
- 2008 U.S. Department of Health and Human Services Physical Activity Guidelines Advisory Committee: Subcommittee member, Physical Activity in prevention of Metabolic Disease
- 2008-2009 68th and 69th American Diabetes Association Scientific Sessions Program Planning: Integrated Physiology Subcommittee member

University Committees/Activities

- Colorado Pragmatic Research in Health Conference (COPRH Con) planning committee, supported by AHRQ R13 conference grant (2019-2022)
- Co-director, University of Colorado Adult and Child Consortium for Outcomes Research and Delivery Science (ACCORDS) Primary Care Health Services Research fellowship (July 1, 2018 – June 30, 2020; July 1, 2021-present)
- CCTSI Research Studio program (2018-present) – serve as one of several multi-disciplinary expert reviewers who consult for a CCTSI researcher regarding a project they are developing
- CU Outpatient Diabetes Management Improvement committee (2016-present)
- CU Committee to Improve Subspecialty Referrals (2014-2016) – led to implementation of new expected timeframes for patients to be seen for routine and urgent ambulatory referrals and the development of processes to prompt primary care providers to order the appropriate tests/studies prior to referrals taking place.
- CU Department of Medicine Intern Selection Committee (2004-2013, 2015)
- Internal Medicine Anschutz Clinic Team-Based Care Development Committee (2011)
- CU General Internal Medicine Productivity Committee (from 2004-2005, developed instrument for measuring faculty clinical financial productivity as compared to the national benchmark and their salary/benefits)

Community Committees/Activities

- Preceptor, Colorado Rural Health Scholars, 2016 (high school students from rural Colorado shadow preceptors in clinic to learn more about ambulatory medicine)

6. Memberships in Professional Societies

- American Diabetes Association (2006 - present)
- Society of Behavioral Medicine (2013 – present)
- Society of General Internal Medicine (2003 - present)
- American College of Physicians (2003 - present)
- Society of Clinical and Translational Science (2012 - present)

- National Institutes of Health's Women of Color Research Network (2014-present)
- The Academy Integrating Behavioral Health and Primary Care (2017-present)

7. Board Certification and Medical Licensure

- American Board Internal Medicine certified through 12/31/2013
- Valid Colorado state medical license and DEA license

8. Review and Referee Work

Grants

- Reviewer, Special Emphasis Panel for National Institutes of Health/National Institute of Diabetes, Digestive, and Kidney Diseases (NIDDK), Program Announcements on Pragmatic Research and Natural Experiments: PAR-17-178, PAR-18-106, PAR-18-107; (2018-2019)
- Reviewer, National Institutes of Health/Colorado Clinical and Translational Sciences Institute Pre-K mock grant review (2017-2018)
- Reviewer, National Institutes of Health/Colorado Clinical and Translational Sciences Institute KL2 career development awards (2016 – 2018)
- Reviewer, University of Colorado School of Medicine, Center for Women's Health Research seed grants (2019 - present)
- Reviewer, University of Colorado School of Medicine, Division of General Internal Medicine small grants (2017- present)
- American Cancer Society Grant Review Committee, Ad Hoc Reviewer, Cancer Control and Prevention: Psychosocial and Behavioral Research (January and June 2014)

Review for Manuscripts

- Implementation Science Communications (2020 - present)
- Translational Journal of American College of Sports Medicine (2018 – present)
- Diabetes Technology & Therapeutics (2017 – present)
- Annals of Behavioral Medicine (2017 – present)
- British Medical Journal open (2014-present)
- Medicine, Science, Sports & Exercise journal (2012 - present)
- Annals of Internal Medicine journal (2010 - present)
- Diabetic Medicine journal (2009 - present)

Abstracts/Society Awards review committee service

- Topic Area Chair, Scientific Review of Education, Training and Career Development-themed abstract submissions, Society of Behavioral Medicine national meeting (2023)
- Topic Area Chair, Scientific Review of Diabetes-themed abstract submissions, Society of Behavioral Medicine national meeting (2016-2017)
- Society of Behavioral Medicine Achievement Award review committee, "Outstanding Dissertation Award" (2014-2020)
- Society of Behavioral Medicine Diabetes Special Interest Group "Early Career Travel Award review committee (2017)

- Diabetes-themed Abstract submissions review, Society of Behavioral Medicine Annual meeting (2017, 2020).
- Society of Clinical and Translational Medicine Annual Meeting “Original Research” Abstract submissions (2013)
- “Clinical Vignettes” submissions, Society of General Internal Medicine annual meeting (2010)
- University of Colorado School of Medicine Research Day poster presentations (2013)

9. Invited extramural lectures, presentations, and visiting professorships

- Glasgow RE, Fort MP, Paniagua A, Maw AM, **Huebschmann AG**, Trinkley KE, Rabin BA. Applying the PRISM Framework to Guide Iterative and Responsive Adaptations. [Oral Presentation] 15th Annual Conference on the Science of Dissemination and Implementation. Co-hosted by Academy Health and National Institutes of Health. Washington DC. Dec 11-14 2022.
- Co-presenter for invited symposium, NIH/Academy Health Annual on the Science of Dissemination and Implementation in Health meeting in the Promoting Health Equity and Eliminating Disparities Track for the Symposium titled, “Operationalizing health equity in implementation science: Refining and applying actionable methods and frameworks in the Field”, presented a lecture titled, “Targeting rural health disparities in lung cancer screening by co-creating a decision aid”, on behalf of the Colorado Implementation Science Center for Cancer Control and Prevention (Colorado ISC³) in partnership with session co-presenters from the Harvard ISC³ (Kelly Aschbrenner, PhD and Rachel Shelton, PhD), Oregon ISC³.(Natalie Huguet), and the National Cancer Institute (April Oh, PhD), 2021
- Organizer and co-presenter for invited workshop lecture, NIH/Academy Health Annual on the Science of Dissemination and Implementation in Health meeting, “Broadening our Horizons for Capacity Building: Specific training goals for D&I researchers and implementers that target a shared North Star”, co-presented with Borsika Rabin, PhD, MPH, PharmD from University of California San Diego, Julia Moore, PhD from the Center for Implementation, and Annette Boaz, PhD from the London School of Hygiene and Tropical Medicine, 2021
- Invited Visiting Professor lecture, Vanderbilt University, “Developing processes to use actionable data to Improve Care for Medically Complex Patients with type 2 diabetes”, 2021
- Invited Visiting Professor lecture, University of Alabama Birmingham, “Translational approaches to target physical activity to improve cardiovascular risk for adults with type 2 diabetes”, 2018.
- Workshop co-presenter, Loeb D, Kwan BM, **Huebschmann AG**, Holtrop JS, “Stakeholder Engagement in developing clinic-based interventions – Designing for Implementation”, National Association of Primary Care Research Group (NAPCRG), 2019.
- Workshop co-presenter, Holtrop JS, Kwan BM, Phimpasone-Brady P, Lum H, Loskutova N, **Huebschmann AG**, Glasgow RE. “Dissemination and Implementation science in primary care research – an Introduction to key D&I frameworks and how to apply them”, National Association of Primary Care Research Group (NAPCRG), 2018.
- Symposium organizer/presenter, **Huebschmann AG**, Phimpasone-Brady P, Kwan BM, Holtrop JS, Loskutova N, Rabin BA. “Processes, Outcomes, and Products to make Designing for Dissemination POP!”, Society of Behavioral medicine national meeting, 2018.
- Session lead organizer/presenter, “Nuts and Bolts of Embedding Mixed Methods into Translational research” (Part 1 of a 2-part pre-course at the Society of Behavioral Medicine national meeting, 2017).

- Session lead organizer/presenter, “Nuts and Bolts of Funding Mixed Methods approaches for Translational research” (Part 2 of a 2-part pre-course at the Society of Behavioral Medicine national meeting, 2017).
- Session Co-chair, “Diabetes Across the Lifespan”, Society of Behavioral Medicine national meeting (2017)
- “Potential and Challenge of integrating self-management technology data into electronic health records”, Invited lecture for a symposium on “Use and Abuse of Technology: eHealth Factors that Engage or Alienate Patients and Providers” at the Society of Behavioral Medicine annual conference (2016).
- “Type 2 Diabetes Mellitus alters the Perception of Effort during Exercise”, Invited lecture for a symposium on the “Burden of Diabetes Symptoms” at the Society of Behavioral Medicine annual conference (2016).
- “Increasing Physical Activity for patients with Type 2 Diabetes: Can we? Yes we can!”, Invited lecture for the Society of General Internal Medicine Mountain West regional conference (2015).
- “Women’s Health 101”, Invited lecture for the inaugural Aspen Ideas health conference on health topics — Spotlight: Health (2014).
- “Exercise Attenuates the Premature Aging effects of Type 2 Diabetes”, Invited lecture for the American Physiological Society’s biennial national meeting, The Integrative Biology of Exercise VI (2012).
- “Exercise prevents microvascular complications in people with type 2 diabetes”, Invited consultant lecture for the U.S. Physical Activity Guidelines for Americans Committee in Washington, D.C. (2008).

10. Teaching record (by category)

Summary of teaching experience: I am the founding Director of the Dissemination and Implementation (D&I) Science Graduate Certificate in the Department of Clinical Sciences Research within the Graduate School for the University of Colorado Anschutz Medical Campus. As my research expertise in D&I science has become more recognized, particularly with regard to lifestyle behavior change in patients with type 2 diabetes, I have been increasingly invited to lecture on this topic on-campus and to national organizations (e.g., Society of Behavioral Medicine, North American Primary Care Research Group (NAPCRG)). Additionally, as a general internist, my lecture topics have varied to cover the variety of salient topics for internal medicine residents in training. Where possible, I have focused my lectures on diabetes and cardiovascular related topics, as my career interests are in cardiovascular prevention. I also have a strong interest in developing effective office systems to maximize care delivery. For this reason, I developed a new curriculum in “Office Management” for the Internal Medicine residents in the Primary Care track. In the 3 annual courses that comprise the Office Management curriculum, I deliver lectures covering office flow and efficiency factors as well as billing and financial issues. To address a need for formal training in appropriate clinic visit billing for myself and my Internal Medicine faculty and resident colleagues, I received appropriate training at national meetings and subsequently lectured on these topics to my Internal Medicine faculty colleagues. Finally, in my role as Lead Scientist for Community Education and Outreach, I give regular talks to the community, including a yearly Continuing Medical Education talk for clinicians for the Ludeman Family Center for Women’s Health Research.

Students

- “Hypertension”, 2005- 2018. ~40 Physician Assistant students
- “Endocarditis”, 2005-2006, 2008- 2018. ~40 Physician Assistant students

Housestaff

- “Dyspepsia”, September/November 2003. 20 Internal Medicine residents in resident clinics
- “Introduction to Medical Billing”, July/August 2004, August 2005/February 2006, July 2006. 20 Internal Medicine residents in resident clinics
- “Thyroid Disease”, December 2004/January 2005. 20 Internal Medicine residents in resident clinics
- “Office Management I”, 2004-present. 10 Primary Care Track Internal Medicine interns
- “Office Management II”, 2004-present. 10 Primary Care Track Internal Medicine residents
- “Office Management III”, 2005-present. 10 Primary Care Track Internal Medicine residents
- “Medical Errors”, 2005 and 2007. 10 Primary Care Track Internal Medicine residents
- “Esophageal Reflux”, February/March 2006. 20 Internal Medicine residents in resident clinics
- “Metabolic Syndrome”, October 2007. 10 Internal Medicine residents in resident clinic
- “Clinical Epidemiology”, 2009-present, Online Resident and Fellow Development Module, University of Colorado School of Medicine. Blackboard Academic Suite.
- “Transient Ischemic Attack”, 2010. Internal medicine resident clinic

Fellows

- “Outpatient Billing in Geriatrics”, March 2007. 2 Geriatric Medicine fellows and 1 Geriatric faculty member

Faculty

- “Increasing Physical Activity for patients with Type 2 Diabetes: Can we? Yes we can!”, Presentation at University of Colorado Department of Medicine Research Innovations conference, September 2015, ~40 faculty from the Department of Medicine
- “Diabetes and Exercise”, Invited presentation to Chinese physician delegation visiting the University of Colorado Barbara Davis Center, Summer 2012. 30 physicians from China
- “Diabetes and Exercise”, Presentation at University of Colorado Department of Medicine Research Innovations conference, January 2012, ~40 faculty from the Department of Medicine
- “Outpatient dermatology and procedural billing issues”, Spring 2005, Spring 2008. 7-8 GIM faculty
- “Bare Necessities for Level 4 outpatient visits”, Summer 2005. 8 GIM Faculty
- “Bare Necessities for Level 5 outpatient visits”, Fall 2005. 6 GIM Faculty
- “Allscripts EMR Billing Overview”, Winter 2006. 11 GIM Faculty
- “Faculty Outpatient Billing Orientation”, July-September 2006, 5 GIM Faculty
- “Billing issues with EKGs, Medicare Smoking Cessation Counseling”, September 2006. 5 GIM Faculty
- “Introduction to Medicare’s Payments for Quality Reporting Initiative (PQRI)”, July 2007, April 2008. 8-12 GIM Faculty
- “Billing annual physicals: Preventive vs. Level 5”, Fall 2008. 15 GIM faculty

Community

- “Comprehensive cardio-metabolic care for type 2 diabetes: setting up your practice for success”, Ludeman Family Center for Women’s Health Research, Ludeman Family Center for Women’s Health Research, 19th Annual Women’s Health Symposium, February 2021
- “Enjoyable ways to eat healthy and be active”, Ludeman Family Center for Women’s Health Research, ‘Let’s Talk’ series of community outreach, October 2021
- “Aging and the battle of the bulge”, Ludeman Family Center for Women’s Health Research series of educational talks for Arrow Electronics employees, May 2021
- “What is needed to ‘heal thyself’: the health of the clinician” (presentation on factors contributing to and mitigating professional burnout among clinicians), Ludeman Family Center for Women’s Health Research, 19th Annual Women’s Health Symposium, February 2021
- When should you consider stopping 'statins' in older adults, Ludeman Family Center for Women’s Health Research, 18th Annual Women’s Health Symposium, February 2020

Clinical Teaching Record

- Inpatient Ward Attending, University of Colorado Hospital Medicine Ward team (2003-2005, 2010), daily rounds for ~ 4 hours during 2-week period of Attending. Rounds were made with a team of 2nd-year Internal Medicine resident, intern(s), and medical student(s) including formal and informal teaching on clinical topics related to inpatient admissions
- Outpatient Internal Medicine Resident Continuity Clinic Attending (2003-2006, 2009-2010), 4-5 hours weekly supervising of 1st-3rd year Internal Medicine residents’ outpatient clinic visits with their primary care patients, including formal didactic lectures 1-2 times/year and informal teaching on clinical topics weekly
- Preceptor, 3rd-year medical students on Ambulatory Care block (2003-2010), 4-12 hours per week supervising a 3rd-year medical student who independently saw and evaluated 3 patients per clinic ½-day session and presented his/her findings, assessment, and plan to me at the patient’s bedside. Included informal teaching on clinical topics related to patients’ conditions and formal feedback on students’ clinical evaluation and management skills

13. Current Research Interests

- To use dissemination and implementation principles to develop and test programs to improve lifestyle behaviors, especially for the self-management of chronic diseases such as diabetes and hypertension
- To evaluate the sustainability of clinical interventions to improve chronic disease self-management using Dissemination and Implementation Science approaches

14. Grant and Contract Funding as a Dissemination and Implementation research Consultant/Co-investigator (reverse chronological order)

1. R01CA242745 (Pinto) 02/1/2021-01/31/2025 0.03 calendar
 NIH/NCI \$4,012,488 over 5 years
 Peer Coaching for Physical Activity Promotion among Breast Cancer Survivors: Adapting an Efficacious Intervention to Prepare for Implementation
 Major Goals: The purpose of the study is to prepare to scale up MFT by adapting a validated web platform (Mentor1to1™). After the adaptation of Mentor1to1™ for MFT (thereby creating webMFT), we will use a randomized controlled design to test the intervention (webMFT vs. MVPA tracking) and use mixed method approaches to collect data at the level of coach, survivor and organization to position our team for a subsequent large-scale multisite pragmatic implementation trial.
 Role: Co-investigator, senior Implementation scientist – supervising Dr. Ostendorf as junior Implementation scientist

2. R01 AG066804 (Lum) 03/15/2021-02/28/2026 1.2 calendar
NIH/NIA \$3,675,642 over 5 years
Effectiveness of Engaging in Advance Care Planning Talks (ENACT) Group Visits Intervention in Primary Care for Older Adults with and without Alzheimer's Dementia
Major Goals: This study will test the effectiveness of an advance care planning group visit model among older primary care patients with and without cognitive impairment.
Role: Co-Investigator/lead Implementation Scientist
3. R21 AG067038 (Jones) 09/30/2020-05/31/2022 1.2 calendar
NIH/NIA \$427,625 over 2 years
Development and Evaluation of a Palliative-transitional Home Health Care Model
Major Goals: The major goal of this project is to engage key stakeholders including hospitalists, primary care providers, home health clinicians, patients, and informal caregivers, to develop, refine, and pilot test a Palliative-Transitional Home Health Care (PT HHC) model to provide enhanced support after discharge for patients with additional palliative and transitional care needs.
Role: Co-Investigator/lead implementation scientist
4. 1 P50 CA244688-01 (Glasgow) 09/20/2019-08/31/2024 2.0 calendar
NIH/NCI \$3,833,474 over 5 years
Pragmatic Implementation Science Approaches to assess and enhance value of cancer prevention and control in rural primary care
Major goals: The focus of this Implementation Science Center for Cancer Control is on developing, validating, and sharing innovative, pragmatic models and methods related to the costs, benefits, and value of translating evidence-based cancer control programs and guidelines into rural primary care practice settings. These approaches will inform strategies to implement lung cancer screening and other cancer prevention and control interventions and advance implementation science by providing measures, reporting guides, resources, training, and certification of competence.
Roles: Co-Director of Network and Outreach Unit; Co-Director of Implementation Studies unit
5. 5 P30 DK092923-09 (Manson) 05/01/2012-07/31/2026 0.36 calendar
NIH/NIDDK \$4,012,488 over 5 years
Center for American Indian and Alaskan Native Diabetes Translation Research
Major goals: American Indians and Alaska Natives (AI/ANs) exhibit high rates of diabetes and serious, debilitating comorbidities, the treatment of which consumes a large share of increasingly scarce health care resources. This Center promotes research and builds capacity that promises to redress these disparities.
Role: Co-investigator, Lead: Dissemination and Implementation Science Core
6. 1 R13 HS027526-01 (Kwan) 02/01/2020-01/31/2023 0.24 calendar
AHRQ \$148,482 over 3 years
The Colorado Pragmatic Research in Health Conference (COPRH): Advancing Pragmatic Science for Health Services Research
Major goals: To host an annual research conference that will advance best practices in pragmatic science with regard to study design, and the use of appropriate methods and measures, as well as establishing an online learning community that will remain engaged online between the annual meeting sessions.
Role: Co-investigator

7. K12 HL137862 (Glasgow) 09/05/2017-06/30/2022 1.2 calendar
NIH/NHLBI \$2,937,246 over 5 years
Implementation to Achieve Clinical Transformation (IMPACT): The Colorado Training Program
Major goals: To prepare a diverse group of scholars for careers in T4 translational research with an emphasis on heart, lung, blood, and sleep (HLBS) disorders. Our multifaceted, transdisciplinary center is ideal for training T4 implementation science researchers due to its level of faculty expertise in implementation science and outcomes research, our strong record of postgraduate training, and the excellent, diverse set of real world partner training sites in a variety of adult and child settings addressing HLBS issues
Role: Co-Investigator (**Mentor for IMPACT K12 scholars**)

8. Agency: Telligent Quality Improvement Network (with funding from the Center for Medicare Services (CMS), the Telligent Quality Improvement Network evaluates the quality improvement programs carried out by regional CMS-funded Quality Improvement Networks that seek to improve healthcare quality for Medicare beneficiaries)
Title: "Using an implementation science framework to identify organizational factors related to the success and failure of Medicare programs to prevent rehospitalizations"
Dates of award: 7/1/2018-6/30/2019
Total costs: \$25,000
Role: Consultant on Implementation Science
Goals of project: Telligent is consulting with Dr. Huebschmann and Dr. Jodi Holtrop to use the Consolidated Framework for Implementation Research (CFIR, cfirguide.org) to understand the regional variation in quality improvement efforts to improve rehospitalizations for patients with Medicare. This evaluation will be a mixed methods assessment utilizing survey data, interview data, and rehospitalization rates across several Medicare-funded regional organizations (QIN-QIOs) that each seek to reduce rehospitalizations in their region.

15. Grant and Contract Funding as a Principal Investigator (reverse chronological order)

1. 1 UG3 HL151297 (Szeffler/Cicutto/Huebschmann) 09/10/2020-09/09/2023 2.4 calendar
NIH/NHLBI \$2,775,983 over 3 years
Reducing Asthma Attacks in Disadvantaged School Children with Asthma.
Major goals: This research program will disseminate our effective, evidence-informed school-based approach to improve health and educational disparities related to children, ages 5 to 12 years, in disadvantaged communities and populations, such as low income and racial/ethnic minority families, in order to improve the outcomes of activity, symptoms, and asthma exacerbations.
Role: Dissemination and Implementation Science research co-investigator

2. Agency: University of Colorado Data Science to Patient Value (D2V) program
Title: "Developing processes to use actionable data to Improve Care for Medically Complex Patients with type 2 diabetes"
Dates of award: 7/1/2018-6/30/2019
Total costs: \$75,000
Role: Principal Investigator
Goals of project: This proposal seeks to improve healthcare value for complex patients by advancing innovations in data and health systems science. The focus of the proposal is on medically complex

patients with type 2 diabetes (MCPs with T2D), defined as patients with uncontrolled blood glucose levels (HbA1c >9%) and at least one additional chronic condition, such as hypertension or arthritis. Recently, evidence-based platforms have been developed to allow patients and primary care providers (PCPs) to share engaging and actionable displays of glucose data (Glooko platform) and data on behavioral health risks and social/economic needs (My Own Health Report (MOHR) platform), but these are not currently integrated with health systems' primary care processes or health records. We propose a pilot study to engage with multiple stakeholders and potential end-users of these data—patients and PCPs/clinic staff—in order to identify and pilot-test the best method(s) of sharing and acting on Glooko and MOHR data.

3. Agency: University of California San Francisco, sub-contract from

Title: "The SIREN Accountable Health Communities screening tool multi-site study"

Dates of award: 6/1/2018-12/31/2018

Total costs: \$10,660

Role: Site Principal Investigator, University of Colorado School of Medicine

Goals of project: This is a cross-sectional study across multiple geographic sites to examine 1) how participants' responses to the Accountable Health Communities (AHC) screening tool compare with their responses to desire for help (and if the different strategies of asking about social problems, screening for needs versus screening for desire for resources, pick up different participants), 2) how responses to questions are associated with health outcomes (including child health outcomes, when relevant), 3) patient acceptability of the screening tool, and 4) whether the single item housing question misses patients with health-harming housing needs. The University of Colorado is one of the subcontracted sites.

4. Agency: University of Colorado Division of General Internal Medicine

Title: "Improving Health by incorporating Actionable Social Determinants into a Health Risk Assessment"

Dates of award: 7/1/2017-6/30/2018

Total costs: \$22,500

Role: Principal Investigator

Goals of project: To pilot-test the feasibility and acceptability of incorporating actionable social determinants of health into a primary care-based health risk assessment.

5. Agency: University of Colorado Division of General Internal Medicine

Title: "Using FitBits to Target Physical Activity to improve cardiovascular health in Type 2 Diabetes"

Dates of award: 1/1/2016-12/31/2016

Total costs: \$2500

Role: Principal Investigator

Summary: This micro-grant provided FitBit physical activity monitoring devices to pair with my funded K23 award to provide real-time physical activity tracking to participants and their physical activity intervention coaches.

6. Agency: National Institutes of Health/National Heart Lung Blood Institute K23 award (5K23HL118133)

Title: Targeting Physical Activity to improve cardiovascular health in Type 2 Diabetes

Dates of award: 8/28/2014 – 6/30/2019)

Total costs: \$550,000

Role: Principal Investigator

Goals of project: The K23 research objective is to systematically identify T2D-specific physical activity barriers and facilitators using focus groups, to develop and validate a T2D-specific version of an existing barriers/facilitators survey (Marcus Decisional Balance survey), and to pilot-test an intervention targeting primary care patients' responses to the T2D-specific survey. The rationale is twofold: first, it is important to identify the barriers and facilitators of physical activity behavior to inform intervention strategies; second, the proposed behavioral intervention is tailored to each participant's barriers/facilitators and yet brief enough to be utilized in primary care. Building on the K23 objective, the long-term goal is to improve CV health for people with T2D by developing, testing, and integrating targeted physical activity interventions into primary care practices.

7. Agency: Colorado Clinical & Translational Sciences Institute KL2 Research Scholar Program
Title: "Objective and Subjective mediators of Perceived Exercise Effort in Type 2 Diabetes –Barriers to Physical Activity"

Dates of award: 09/30/2011 – 09/29/2014

Total costs: \$384,000 over 3 years

Role: Principal Investigator, 75% effort protected for research and training activities during KL2 award timeframe, 40% effort for proposed KL2 scientific study

Goals of project: To identify potential behavioral and physiological mediators of perceived exercise effort (measured by Borg Rating of Perceived Exertion) in people with Type 2 Diabetes.

8. Agency: Hartford/Jahnigen Center of Excellence in Geriatrics and American Federation for Aging Research (AFAR)

Title: "Identifying and Treating Physical Function Impairment in Elders"

Dates of award: 11/1/2013 – 12/31/2014

Total costs: \$30,000

Role: Principal Investigator

Goals of project: To determine the estimated intervention effect size of a 12-week behavioral intervention for elders with impaired physical function when conducted by primary care clinic population management staff on outcomes of physical activity and physical function, and to evaluate standard implementation science process metrics of reach, acceptability, and implementation.

9. Agency: University of Colorado Center for Women's Health Research

Title: Assessing Sex Differences in Exercise-related Effort in Type 2 Diabetes

Dates of award: 09/1/2012 – 08/31/2013

Total costs: \$25,000 over 1 year

Role: Principal Investigator

Goals of project: In the CCTSI KL2-funded study population, to study sex differences in a subjective and objective measure of exercise effort (i.e., Borg Rating of Perceived Exertion (RPE) and serum lactate) between adults with type 2 diabetes and non-diabetic, overweight control participants.

10. Agency: Colorado Clinical & Translational Sciences Institute Community Engagement Pilot Grants program

Title: "Overcoming Barriers to Physical Activity in African-American Women"

Dates of award: 05/1/2012 – 04/30/2013

Total costs: \$25,000 over 1 year

Role: Academic institution co-Principal Investigator, community co-Principal Investigator from the Center for African-American Health is Lucille Johnson, MA

Goals of project: The overarching focus of this collaborative project between the Center for African-American Health (CAAH) and the University of Colorado Center for Women's Health Research

(CWHR) is to understand the barriers and facilitators of exercise in African-American women, including the role of hairstyle maintenance, in order to inform future interventions.

11. Agency: University of Colorado Department of Medicine Small Grants Award and John Steiner Division of General Internal Medicine Small Grants Award

Title: "Effects of Type 2 Diabetes and Exercise Performance in Older Adults"

Dates of award: 02/1/2011 – 12/31/2012

Total costs: \$43,812

Role: Principal Investigator

Goals of project: In the KL2-funded study population, to determine the intrinsic relationship between Type 2 Diabetes and physical function impairments and determine if exercise performance (i.e., submaximal and/or maximal performance) mediates the effects of Type 2 Diabetes on physical function.

12. Agency: Novartis Pharmaceuticals Corporation

Title: "Patient-centered Medical Home approach to overcome clinical inertia in the treatment of patients with poorly-controlled hypertension"

Dates of award: 10/01/2009-1/31/2011

Total costs: \$123,820

Role: Principal Investigator, 35% effort from 7/1/2010 to 1/31/2011

Goals of project: In a study population with uncontrolled blood pressure readings, participants were randomized to a patient-centered medical home intervention to facilitate primary care clinic visits vs. usual care. Our key study outcomes are change in blood pressure and clinical inertia.

13. Agency: University of Colorado General Internal Medicine divisional small grant

Title: "Are Barriers to Physical Activity different in Adults with Diabetes?"

Dates of award: 8/17/2009 – 7/31/2010

Total costs: \$1953

Role: Principal Investigator

Goals of project: 1) To determine differences in usual physical activity between those with diabetes as compared to those without diabetes. 2) To determine differences in perceived barriers to physical activity in men and women with diabetes as compared to non-diabetic controls.

14. Agency: NIH NIDDK Extramural Loan Repayment Program for Clinical Research

Dates of award: 7/1/2009-6/30/2013

Goals of award: To recruit and retain highly qualified health professionals as clinical investigators

15. Co-funding agencies: University of Colorado Center for Women's Health Junior Investigator Award, UCD General Internal Medicine divisional small grant, Eugene C. and Florence Armstrong Family Foundation)

Title: "Exercise-related Perceived Rate of Exertion at Steady-State workloads (ExPRESS) in Type 2 Diabetes Mellitus

Role: Principal Investigator

Total costs: \$25,000 from Center for Women's Health, \$15,000 from divisional small grant, \$10,000 from Eugene C. and Florence Armstrong Family Foundation)

Funded: January 2008

16. Agency: University of Colorado General Internal Medicine divisional small grant

Title: "Do persons with type 2 diabetes mellitus find that it is harder to exercise? perceptions of exercise intensity as compared with objective physiologic workload in T2DM and control subjects"

Dates of award: 1/01/2007 – 12/31/2007

Role: Principal Investigator

Total costs: \$5870 for 1 year

Goals of project: Pre-specified secondary data analysis of clinical research data from Dr. Regensteiner's laboratory to assess differences in rating of perceived exertion in pre-menopausal overweight, sedentary adult women by diabetes status.

17. Agency: University of Colorado Primary Care Research Unit

Title: "Types of antihypertensive medications prescribed for older Americans"

Total Costs/Dates of award: \$1000 from 1/1/2002-12/31/2002

Role: Principal Investigator

Goals of project: To determine differences in the classes of antihypertensive medications used by older Americans, compared with younger Americans. Grant funds covered Professional Research Analyst to perform statistical analysis on National Ambulatory Medical Care Survey (NAMCS) dataset.

16. Bibliography

a. Peer-reviewed Articles (in reverse chronological order)

1. Huebschmann AG, Glasgow RE, Leavitt IM, Chapman K, Rice JD, Lockhart S, Stevens-Lapsley JE, Reusch JEB, Dunn AL, Regensteiner JG. Integrating a physical activity coaching intervention into diabetes care: a mixed-methods evaluation of a pilot pragmatic trial. *Transl Behav Med.* 2022 May 25;12(4):601-610. doi: 10.1093/tbm/ibac014. PMID: 35312788; PMCID: PMC9150080.
2. Szeffler SJ, Cicutto L, Brewer SE, Gleason M, McFarlane A, DeCamp LR, Brinton JT, **Huebschmann AG**. Applying dissemination and implementation research methods to translate a school-based asthma program. *J Allergy Clin Immunol.* 2022 Sep;150(3):535-548. doi: 10.1016/j.jaci.2022.04.029. Epub 2022 May 13. PMID: 35569568; PMCID: PMC9590448.
3. Maw AM, Morris MA, Glasgow RE, Barnard J, Ho PM, Ortiz-Lopez C, Fleshner M, Kramer HR, Grimm E, Ytell K, Gardner T, **Huebschmann AG**. Using Iterative RE-AIM to enhance hospitalist adoption of lung ultrasound in the management of patients with COVID-19: an implementation pilot study. *Implement Sci Commun.* 2022 Aug 12;3(1):89. doi: 10.1186/s43058-022-00334-x. PMID: 35962441; PMCID: PMC9372925.
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Care Community Health. 2022 Jan-Dec;13:21501319221115946. doi: 10.1177/21501319221115946. PMID: 35920033; PMCID: PMC9358340.

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b. Letters to the Editor

1. Regensteiner JG, Golden S, **Huebschmann AG**, "Response to: Southern Community Cohort Study Letter to the Editor on 'Women and Diabetes: The Cardiovascular Implications'," *Circulation*, August 2016, http://professional.heart.org/professional/GuidelinesStatements/Correspondence/UCM_320919_Correspondence.jsp, Accessed 8/31/2016.

c. National Guidelines/Book chapters

1. Physical Activity Guidelines Advisory Committee. *Physical Activity Guidelines Advisory Committee Report, 2008*. U.S. Department of Health and Human Services, Washington DC. 2008.
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4. **Huebschmann AG**, Regensteiner JG: Diabetes Mellitus and Exercise Physiology in the presence of diabetic co-morbidities. in: Regensteiner JG. Diabetes and Exercise. Totowa, NJ. Humana. 2009.

d. Abstracts

Oral Presentations

- Owens C, Gold R, **Huebschmann AG**. "Health Information in Implementation Science." Implementation Science Webinar Series. National Cancer Institute. Virtual. February 23, 2022. Archived recording available here: <https://www.youtube.com/watch?v=VkdZeoJB-cw>
- Owens C, Chen J, Xu R, Angier H, **Huebschmann AG**, Ito Fukunaga M, Chaiyachati K, Rendle K, Robien K, DiMartino L, Amante D, Faro J, Kepper M, Ramsey A, Bressman E, Gold R. "Implementation of Health Information Technology for Secondary Cancer Prevention in Primary Care: A Scoping Review." Oral Presentation. American Medical Informatics Association (AMIA) 2022 Annual Symposium. Washington, DC. November 8, 2022.
- **Huebschmann AG**, Holtrop JS, Matlock D, Glasgow RE, Targeting rural health disparities in lung cancer screening by co-creating a decision aid, in the "Operationalizing health equity in implementation science: Refining and applying actionable methods and frameworks in the field" symposium. 14th Annual Academy Health Conference on the Science of Dissemination and Implementation, Invited symposium for the Promoting Health Equity and Eliminating Disparities track, Dec 14-16, 2021.

- Brown CS, **Huebschmann AG**, Dodd-McCue D, Gendron TL, Cotter JJ. “Age and the Effects of Motive Participation Among Black Triathlete Women” - oral symposium presentation in the Minority Issues in Gerontology Committee: Age-Related Physical Functioning in Late Life: Interdisciplinary Perspectives symposium at the American Gerontological Society’s 69th annual meeting, New Orleans, LA, 2016.
- Smith S, Hasan M, **Huebschmann AG**, Penaloza R, Schorr-Ratzloff W, Sieja A, Trinkley KE. Physician Engagement and Acceptance of Collaborative Treatment of Hypertension in Primary Care. Original Research oral presentation in the “Great Eight Platform presentation” as a Best Paper finalist at the American College of Clinical Pharmacy (ACCP) meeting in Austin, TX, 2014.
- Dirksen RR, Shulman B, Teal SB, **Huebschmann AG**, “Barriers and Facilitators of Contraceptive Counseling by General Internal Medicine Faculty and Internal Medicine Residents” Oral Hamolsky finalist podium presentation at Society of General Internal Medicine annual meeting, Denver, CO, 2013.
- **Huebschmann AG**, Braun PA, Kim CA, Lezotte DC, Shupe A, Dabelea D. “The Effect of Maternal Birthplace on Gestational Diabetes Risk in Pregnant Hispanic Women in Colorado” 26th Annual Epidemiologic Research Exchange, University of Colorado Denver, April 11, 2008.

Posters/Published Abstracts

- Perez, L.G.; Dopp, A.R.; Ayele, R.; Reardon, C.M.; Smith, J.D.; **Huebschmann, AG**. Development of an integrated implementation determinant framework for shared learning in an alliance of community-engaged health equity implementation research. 15th Annual Conference on the Science of Dissemination & Implementation. Washington, DC, December 13, 2022. (Tues at 8 am)
- **Ostendorf DM**, Huebschmann A, Kindred M, Desai S, Sharma R, Merkle W, Patel A, and Pinto B (2022). “Impact of usability testing in a peer coaching intervention to improve physical activity among survivors of breast cancer.” Poster Presentation at the 15th Annual Conference on the Science of Dissemination and Implementation in Health 2022, Washington D.C., 12/11/2022-12/14/2022. (Tues, 12/13 @ 8 am)
- Owens C, Chen J, Xu R, Angier H, **Huebschmann AG**, Ito Fukunaga M, Chaiyachati K, Rendle K, Robien K, DiMartino L, Amante D, Faro J, Kepper M, Ramsey A, Bressman E, Gold R. “Implementation of Health Information Technology for Secondary Cancer Prevention in Primary Care: A Scoping Review.” Poster Presentation. 15th Annual Conference on the Science of Dissemination and Implementation in Health. Washington, DC. December 12, 2022.
- Owens C, Chen J, Xu R, Angier H, **Huebschmann AG**, Ito Fukunaga M, Chaiyachati K, Rendle K, Robien K, DiMartino L, Amante D, Faro J, Kepper M, Ramsey A, Bressman E, Gold R. “Implementation of Health Information Technology for Secondary Cancer Prevention in Primary Care: A Scoping Review.” Poster Presentation. Society for Implementation Research Collaboration Conference. San Diego, California. September 9, 2022.

- Jimenez-Zambrano A, Begum A, Wagner N, Cicutto L, DeCamp L, McFarlane II A, Gleason M, Coleman H, Brewer S, Brtnikova M, Szeffler S, **Huebschmann AG**. Engaging members of Systematically Disadvantaged communities to identify Priority Outcomes of Success for a School-based Asthma Management Program. SIREN National Research Meeting, Virtual, United States Sept 15th, 27th & Oct 12th, 2022
- Huebschmann AG, Leavitt IM, Glasgow RE, Regensteiner JG, Dunn AL. “A reimbursable counseling intervention improves physical activity and physical function for primary care patients with type 2 diabetes”, *Diabetes*, Supplement:879P, 2018. Original research poster at the American Diabetes Association scientific sessions, Orlando, FL, 2018.
- Huebschmann AG, Leavitt IM, Glasgow RE, Dunn AL, Regensteiner JG. “If you build a reimbursable intervention, patients will come: Pilot study results on implementing a reimbursable physical activity intervention in primary care for patients with type 2 diabetes”, Original research poster at Academy Health Dissemination and Implementation research conference, Washington DC, 2017
- Leavitt IM, Glasgow RE, **Huebschmann AG**. “Proposed Innovations for Dissemination and Implementation review articles: rating both pragmatism and effectiveness to identify interventions with strong dissemination potential. Original research poster at Academy Health Dissemination and Implementation research conference. Washington, DC, 2017.
- **Huebschmann AG**, Leavitt IM, Dunn AL, Bauer TA, Schmiede S, Kohrt WM, Reusch JEB, Regensteiner JG. “Sex Differences in the Effort required during Exercise in Type 2 Diabetes Mellitus – a pilot study”. *Diabetes* supplement for 2016 national American Diabetes Association (ADA) meeting.
- Luoma KS, Leavitt IM, Marrs JC, Nederveld AL, Regensteiner JG, Dunn AL, Glasgow RE, **Huebschmann AG**. How can clinical practices pragmatically increase physical activity for patients with type 2 diabetes? A systematic review. Original Research poster at Society of Behavioral Medicine annual meeting, Washington, DC, 2016 and at Society of General Internal Medicine annual meeting, Hollywood, FL, 2016.
- Cree-Green M, Newcomer BR, **Huebschmann AG**, Schauer IE, McMillan S, Brown M, Nadeau KJ, Bauer TA, Reusch JEB, Regensteiner JG. “Supplemental Oxygen Improves Mitochondrial Impairment in Sedentary Adults with Type 2 Diabetes”, *Diabetes* supplement for 2015 national American Diabetes Association (ADA) meeting
- **Huebschmann AG**, Herlache H, Kohrt WM, Reusch JEB, Wolfe P, Regensteiner JG. Effects of Type 2 Diabetes on Perceived Difficulty of Exercise in Older women. *Diabetes* supplement for 2013 national American Diabetes Association (ADA) meeting.
- **Huebschmann AG**, Johnson LC, Dunn AL. “I’m not Sweating my Hair out” – Overcoming Barriers to Physical Activity for African-American Women. Original Research poster at Society of Behavioral Medicine annual meeting, San Francisco, CA, 2013 and at SGIM annual meeting, Denver, CO, 2013.
- **Huebschmann AG**, Kohrt WM, Herlache L, Regensteiner JG. Impaired Peak Exercise Performance in older women with Type 2 Diabetes. *Diabetes*. 61 Supp 1:A186, 2012.

- **Huebschmann AG**, Crane LA, Regensteiner JG. Barriers to Physical Activity are Different in Adults with Diabetes Mellitus as compared to nondiabetic controls. *Diabetes* supplement for 2010 national ADA meeting. 59 Supp 1:A519-520, 2010.
- Dirksen RR, Razzaghi M, **Huebschmann AG**. Contraceptive Counseling in the Perimenopausal Women. Clinical Vignette poster at SGIM annual meeting, Phoenix, AZ, 2011
- Lobo I, Loeb DF, Ghushychan V, **Huebschmann AG**. Are Health Care Providers Advising a Low-fat diet to patients with diabetes or diabetes risk factors? Original Research poster at SGIM annual meeting, Phoenix, AZ, 2011.
- Lee RS, White KJ, Felton S, **Huebschmann AG**. Moving into Team-based Care, First steps toward the Patient-centered Medical Home. Original Research poster at SGIM annual meeting, Phoenix, AZ, 2011.
- **Huebschmann AG**, Bauer TA, Kahler EN, Dickinson LM, Emsermann C, Reusch JEB, Regensteiner, JG. “Women with Type 2 Diabetes Perceive low intensity exercise as a Greater Effort than non-diabetic overweight and normal weight controls” 5th Annual National Disparities Conference – “Diabetes Health Disparities: Determinants, Prevention, Treatment, and Policy”, Nashville, TN, Nov 12-13, 2007.
- **Huebschmann AG**, Bauer TA, Dickinson LM, Emsermann C, Reusch JEB, Regensteiner JG. Perceptions of Exercise Difficulty Compared with Objective Work Intensity in Subjects with Type 2 Diabetes vs. Non-Diabetic Overweight and Lean Subjects. *Diabetes*. 56 Supp 1:2517-PO, 2007.
- **Huebschmann A**, Bublitz C, Anderson R: “Are elderly hypertensive patients treated differently?” SGIM Annual Meeting, Vancouver, British Columbia, April 30-May 3, 2003.
- **Huebschmann A**, Bublitz C, Anderson R: “Are beta-blockers under-used in African-American hypertensive patients?” SGIM Annual Meeting, Vancouver, Canada, April 30-May 3, 2003.

d. Intramural Research Presentations (see also section 8 for invited extramural lectures)

- Huebschmann AG: “Increasing Physical Activity for patients with Type 2 Diabetes: Can we? Yes we can!”, Department of Medicine Research and Innovation conference (2015)
- Huebschmann AG: “Type 2 Diabetes and Exercise”, CU Diabetes Management conference for clinical practitioners, September 2014.
- Huebschmann AG: “Relationship between physical activity and microvascular diabetic complications (Prevention, Treatment, and Safety)” CU Endocrine Division Research Conference, March 2008.
- Huebschmann AG: “Do diabetic women feel it is harder to exercise than non-diabetic women?” CU Division of General Internal Medicine- divisional rounds, June 2007.

- Huebschmann AG: “Advanced Glycooxidation End Products in Diabetes Mellitus – Bad Actors generated by a Western diet, diabetes, and aging” CU Department of Medicine Grand Rounds, October 2006.
- Huebschmann AG: “Hypertension Review for the General Internist” CU Division of General Internal Medicine- divisional rounds, August 2004.

e. Online Publication

- **Huebschmann AG.** “Clinical Epidemiology”, Required Online Module for all Internal Medicine Fellows. Published internally for the Department of Medicine, University of Colorado Denver School of Medicine, 2008.

f. Mentees

Research mentorship

- 2021-present: Channing Tate, PhD
 - Secondary mentor as GIM junior faculty researcher
- 2021-present: Elena Broaddus, PhD
 - Primary mentor for HRSA-funded ACCORDS Primary Care Research Fellowship
- 2020-present: Nicole Wagner, PhD
 - Secondary mentor for NHLBI-funded D&I K12 program, assisted with development of NHLBI K01 proposal (10/2021)
- 2020-present: Katy Trinkley, PharmD, PhD
 - Primary mentor for NHLBI-funded D&I K12 program – co-authored 2 manuscripts and one book chapter together, assisted with development of NHLBI K23 proposal submissions (2/2021 and 11/2021)
- 2019-present: Demetria McNeal, PhD
 - Secondary mentor as GIM junior faculty researcher – assisted with successfully obtaining a CCTSI Diversity Supplement award and an NHLBI PRIDE pilot grant and co-authored a book chapter and manuscript together
- 2019-2021: Anna Maw, MD, MS
 - Secondary mentor for NHLBI-funded D&I K12 program – assisted with the development of a funded CCTSI COVID-19 pilot grant and co-authored 2 manuscripts, assisted with development of NHLBI K23 proposal
- 2019-2021: Mary Whipple, PhD
 - Secondary behavioral science mentor for Post-doctoral fellowship with ACTIVE research lab – co-authored 2 manuscripts and assisted with NIDDK F32 proposal

- 2018-2019: Hilary Stempel, MD
 - Mentored a stakeholder needs assessment regarding barriers to the successful implementation of a Colorado collaborative pediatric asthma management program between schools and primary care.
- 2015-2018: Ian Leavitt, MS
 - Mentored the conduct of a systematic review of the pragmatism and effectiveness of behavioral physical activity interventions for patients with type 2 diabetes by using the PRECIS-2 framework to augment RE-AIM measures of pragmatism – abstract presented at the Society of Behavioral Medicine in 2016 (Leavitt, including Dr. Luoma as co-author) and co-1st authored the resultant manuscript that was published in Translational Behavioral Medicine in 2017.
 - Mentored the poster presentation of an abstract on the approaches that review articles have taken to assess the pragmatism and potential for dissemination of different intervention programs, in addition to reviewing the effectiveness of interventions.
 - Mentored to gain successful admission to the PhD program in Populations Sciences, Harvard T.H. Chan School of Public Health.
- 2015-2016: Kelsey Luoma, MD
 - Mentored the conduct of a systematic review of the pragmatism and effectiveness of behavioral physical activity interventions for patients with type 2 diabetes by using the PRECIS-2 framework to augment RE-AIM measures of pragmatism – abstract presented at the Society of General Internal Medicine in 2016 (Luoma) and at the Society of Behavioral Medicine in 2016 (Leavitt) and Leavitt/Luoma co-1st authored the resultant manuscript that was published in Translational Behavioral Medicine in 2017.
- 2015-present: Matthew Miller, PT
 - Content mentorship regarding development of physical activity behavior intervention for patients with chronic diseases (peripheral artery disease and lower limb amputation)
- 2014-present: Jennalee Wooldridge, PhD
 - Co-mentored the dissertation work on delivering a print physical activity intervention to adults with type 2 diabetes with specific content mentorship on physical activity behavior change in populations with chronic disease
- 2013-present: Candace Brown, PhD
 - Mentored the conduct of qualitative interviews and focus groups to assess barriers and facilitators of physical activity in African American women and the analysis of the resultant qualitative data using a grounded theory approach – manuscript published in Women and Health in 2015
 - Co-mentored the dissertation work, including primary mentorship of the qualitative portion of dissertation work assessing the motivations for participation in triathlons for

African American women. I senior-authored two manuscripts with Dr. Brown from her dissertation work, including one published in the Journal of Cross-Cultural Gerontology and one under review by the Journal of Mixed Methods Research.

- 2010-2012: Ingrid Lobo, MD, General Internal Medicine (GIM) faculty
 - Mentored secondary database analysis assessing prevalence of low-fat dietary counseling and odds of receiving counseling with adjustment for presence of diabetes and risk factors for type 2 diabetes
 - Resulting manuscript published with the Center for Disease Control and Prevention's journal, *Preventing Chronic Disease*
- 2010-2013: Rachael Dirksen, MD, former CU Internal Medicine resident and current GIM faculty at University of Iowa School of Medicine
 - Mentored Society of General Internal Medicine (SGIM) Clinical Vignette on contraception counseling in perimenopausal women presented in 2011
 - Mentored residency research elective –survey of Internal Medicine residents and faculty frequency and attitudes about contraceptive counseling for their primary care patients (oral podium presentation as Hamolsky finalist for best junior faculty research abstract at SGIM in 2013, Manuscript published in J Women's Health Research in 2014)
- 2009-2011: Rita Lee, MD, GIM faculty
 - Mentored SGIM abstract presentation on outcomes of transitioning into team-based care within our Internal Medicine faculty practice
- 2007-2008: Erin Kahler, MD, Internal Medicine resident, Mentored her diabetes and physical activity research resulting in her receipt of a national award — the Johns Hopkins Neil R. Powe GIM Housestaff Research Award (12/2007) and 2nd author on our manuscript published in the *Applied Journal of Physiology, Nutrition, and Metabolism Nutrition*.

Group mentorship

- D&I consultation provided to 5 graduate students/pediatric fellows on their child abuse-focused research projects during the “Speed Mentoring” session during the 1st Annual University of Colorado Kempe Foundation Child Abuse graduate research intensive training program led by Dr. Desmond Runyan at Children's Hospital Colorado in July 2017.

Career mentorship

- 2015- 2018: William Cameron McGuire, MD
 - Provided Career mentorship provided during residency regarding work-life balance, building clinical efficiency, and choosing a sub-specialty. This was done as part of a formal faculty/intern pairing for the Department of Medicine's 1st year residents in Internal Medicine residency.

16. References – Available on request