



# Colorado Pragmatic Research in Health

2020 VIRTUAL CONFERENCE

*Planning for Real World Impact*

August 11-12, 2020 | University of Colorado Anschutz Medical Campus | Aurora, CO

A virtual conference hosted by the University of Colorado  
Adult & Child Consortium for Health Outcomes Research & Delivery Science  
(ACCORDS)

## Conference Program

### Featuring Distinguished Speakers

Elva Arredondo, PhD  
San Diego State University

Ross Brownson, PhD  
Washington University in St. Louis

Kate Guastaferro, PhD  
Pennsylvania State University

Amy Huebschmann, MD, MS  
University of Colorado

Amy Kilbourne, PhD, MPH  
VA QUERI

Matthew Wynia, MD, MPH  
University of Colorado

*A special thank you to all of our invited speakers, without whom this event would not have been possible.*



ACCORDS

ADULT AND CHILD CONSORTIUM FOR HEALTH OUTCOMES  
RESEARCH AND DELIVERY SCIENCE

UNIVERSITY OF COLORADO | CHILDREN'S HOSPITAL COLORADO



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# - Welcome to COPRH Con 2020 -

## Advancing Pragmatic Science for Health Services Research

**We are delighted** you are able to join us for the first Colorado Pragmatic Research in Health Conference (COPRH Con).

There are a variety of ways of conceptualizing pragmatic research – from pragmatic clinical trials to drug trials focused on real-world evidence to dissemination and implementation research. For COPRH Con, we conceptualize pragmatic research as research designed to be conducted in the real world using usual care settings, resources, and structures. Pragmatic research is intended to help support a decision by service and care providers – and policy makers, patients, and other stakeholders – on whether and in what context to adopt, deliver, or make use of an intervention. COPRH Con brings both established and emerging pragmatic methods, measures, and models, many of which come from the blossoming field of dissemination and implementation (or ‘D&I’) science. These methods help to ensure that pragmatic research is not seen as messy or poorly done research, but rather relevant AND rigorous.

Of great importance is the fact that conducting research in diverse, real world settings helps to ensure that our evidence can be applied successfully across different populations and contexts – which is critical for promoting health equity.

**COPRH Con** is a three-year conference series funded by the Agency for Healthcare Research and Quality (R13HS027526). The aims of the conference series are to:

- Describe and promote **use of pragmatic research methods, models, and measures** to support translation of evidence-based practices, policies, and guidelines to clinical, community, and public health settings.
- Build capacity for pragmatic research through use of web-based **tools, templates, and guidance materials** for application of pragmatic research methods.
- Foster **team science** in use and testing of pragmatic research methods through creation and support of a **virtual learning community**.

The COPRH Con series follows the Evidence Life Cycle (Figure 1). Year 1 focuses on Phase I – pragmatic research conceptualization, planning and getting funded. Year 2 will focus on Phase II – conduct and implementation of pragmatic research, with topics such as accessing learning health system infrastructure, adaptation, ethics, and human subjects research considerations. Year 3 will focus on Phases III and IV – with topics such as dissemination, sustainment, commercialization, and de-implementation.

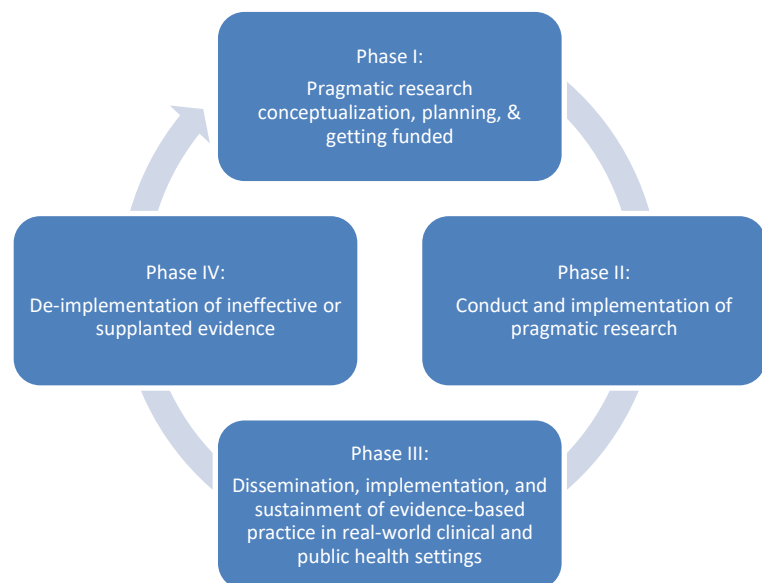


Figure 1. The COPRH Con Evidence Life Cycle

## Conference Planning Committee



Bethany Kwan, PhD, MSPH  
(Conference Chair)



Russell Glasgow, PhD



Allison Kempe, MD, MPH



Amy Huebschmann, MD, MPH, FACP



Borsika Rabin, PhD, MPH, PharmD



Elizabeth Juarez-Colunga, PhD

**Sponsors:** The University of Colorado School of Medicine's Adult and Child Consortium for Health Outcomes Research and Delivery Science (ACCORDS) and the Colorado Clinical and Translational Sciences Institute (CCTSI)

# - Agenda -

## August 11, 2020 ([Day One](#))

Time (MDT)	Title	Speakers	Type
8:00–8:15 am	Conference Welcome and Overview	Allison Kempe, MD, MPH; Bethany Kwan, PhD, MSPH	Welcome Address (recorded)
8:15–9:10 am	<b>Let's Get Real: Planning Rigorous Pragmatic Health Services Research for Equitable, Real-World Care</b>	Amy Kilbourne, PhD, MPH	Opening Keynote (recorded)
9:10–9:35 am	<b>Planning Pragmatic Research and the Value of Frameworks: Using PRECIS-2 as a Case Example</b>	Amy Huebschmann, MD, MS, FACP	Plenary Address (recorded)
9:35–10:10 am	<b>Pragmatic Research Methods &amp; Frameworks Discussion</b>  ** Submit questions in advance in discussion forum or live chat **	Amy Kilbourne, PhD, MPH Amy Huebschmann, MD, MS, FACP Moderator: Bethany Kwan, PhD, MSPH	Panel Discussion (live)
<i>10-minute break</i>			
10:20–11:20 am	<b>Breakout – A Tour of Frameworks for Planning Pragmatic Research:</b> 1. PRISM/RE-AIM 2. The EPIS Framework 3. The REP Framework 4. The Knowledge-to-Action Cycle 5. Small P Policy Framework  ** Choose three 20-minute recordings to watch during session **	1. Russell Glasgow, PhD 2. Gregory A. Aarons, PhD 3. Amy Kilbourne, PhD, MPH 4. Ian Graham, PhD 5. Ross Brownson, PhD	Breakout Sessions  (recorded) 20-minute interviews
<i>10-minute break</i>			
11:30–11:55 am	<b>Selecting, Adapting, Combining, and Using a Framework for your Pragmatic Research</b>  A panel discussion and tour of <a href="http://www.dissemination-implementation.org">www.dissemination-implementation.org</a>  **Submit questions in advance in discussion forum or live chat **	Russell Glasgow, PhD Ross Brownson, PhD Amy Kilbourne, PhD, MPH Moderator: Borsika Rabin, PhD, MPH, PharmD	Panel Discussion (live)
<i>5-minute break</i>			
12:00–1:00 pm	<b>Networking Lunch: Training and Career Development</b>  1. Getting Funded in Pragmatic Research 2. Developing Your Team for Team Science 3. Collaboration with a Biostatistician 4. Pragmatic Research Training Programs	1. Russell Glasgow, PhD; Jodi Holtrop, PhD 2. Bethany Kwan, Amy Huebschmann, MD, MS, FACP 3. Krithika Suresh, PhD; John Rice, PhD; Elizabeth Juarez-Colunga, PhD 4. Allison Kempe, MD, MPH; Borsika Rabin, PhD, MPH, PharmD; Ross Brownson, PhD	Networking Open Forum (live)
<i>10-minute break</i>			
1:10–1:50 pm	<b>Using the Multiphase Optimization Strategy (MOST) for Developing, Optimizing, and Evaluating Multicomponent Interventions</b>	Kate Guastafarro, PhD	Plenary Address (recorded)
<i>10-minute break</i>			
2:00–3:30 pm	<b>Breakout - A Tour of Pragmatic Study Design:</b> 1. Cluster Randomized Trials and a Case Example 2. Stepped Wedge Design 3. SMART Trials 4. Natural Experiments and Observational Studies  ** Choose two or three recordings to watch during session **	1. L. Miriam Dickinson, PhD; Allison Kempe, MD, MPH 2. Diane Fairclough, DrPH; Erin Chaussee, MS, PhDc 3. Laura Pyle, PhD 4. Michael Baiocchi, PhD	Breakout Sessions (recorded)
<i>15-minute break</i>			
3:45–4:15 pm	<b>Selecting a Study Design for your Pragmatic Research</b>  ** Submit questions in advance in discussion forum or live chat **	Kate Guastafarro, PhD; Michael Baiocchi, PhD; L. Miriam Dickinson, PhD; Diane Fairclough, DrPH; Erin Chaussee, MS, PhDc; Laura Pyle, PhD Moderator: Elizabeth Juarez-Colunga, PhD	Panel Discussion (live)
<i>15-minute break</i>			
4:30–6:00 pm	<b>Virtual Poster Session</b>		Recorded Presentations & Live Discussion

# - Agenda -

## August 12, 2020 ([Day Two](#))

Time (MDT)	Title	Speakers	Type		
7:30-8:30 am	<b>Breakfast Session</b> Early Career Investigator Consultations		Applicants Only (live)		
8:30-9:05 am	<b>Stakeholder Engagement for Pragmatic Science - Pragmatic Challenges of Engaging Stakeholders in Pragmatic Trials</b>	Matthew Wynia, MD, MPH	Plenary Address (recorded)		
<i>10-minute break</i>					
9:15-10:45 am	<b>Breakout - A Tour of Stakeholder Engagement Methods</b>		Breakout Sessions (live)		
	<b>Time Block **</b>	<b>Breakout #1</b>	<b>Breakout #2</b>	<b>Breakout #3</b>	<b>Breakout #4</b>
	9:15-10 am	<b>Community Engagement and Stakeholder Panels</b> -Don Nease Jr., MD	<b>Group Facilitation Techniques</b> -Bethany Kwan, PhD, MSPH -Marilyn Coors, PhD	<b>Consensus Methods</b> -Megan Morris, PhD, MPH	<b>Stakeholder Engagement Navigator Tool User Testing</b> (advanced sign-up required) - Matthew DeCamp, MD, PhD, -Kate Ytell, MPH -Brad Morse, PhD, MA -Julie Ressalam, MPH
	10-10:45 am	<b>Community Engagement and Stakeholder Panels</b> -Don Nease Jr., MD	<b>Group Facilitation Techniques</b> -Bethany Kwan, PhD, MSPH -Marilyn Coors, PhD	<b>Consensus Methods</b> -Megan Morris, PhD, MPH	<b>Stakeholder Engagement Navigator Tool User Testing</b> (advanced sign-up required) - Matthew DeCamp, MD, PhD, -Kate Ytell, MPH -Brad Morse, PhD, MA -Julie Ressalam, MPH
<i>** Choose one breakout per time block **</i>					
<i>15-minute break</i>					
11:00-12:30 pm	<b>Breakout - A Tour of Pragmatic Methods and Measures: Planning Your Data Collection Strategies</b>		Breakout Sessions (recorded presentations & live discussion)		
	<b>Time Block **</b>	<b>Breakout #1</b>	<b>Breakout #2</b>	<b>Breakout #3</b>	<b>Breakout #4</b>
	11-11:45 am	<b>Mixed Methods</b> - Jodi Holtrop, PhD -Megan Morris, PhD, MPH	<b>Rapid Qualitative Methods</b> - Jessica Moreau, PhD	<b>Electronic Health Data</b> -John Rice, PhD -Carter Sevick	<b>Behavioral Measures</b> -Michael Baiocchi, PhD
	11:45-12:30 pm	<b>Mixed Methods</b> - Jodi Holtrop, PhD -Megan Morris, PhD, MPH	<b>Rapid Qualitative Methods</b> - Jessica Moreau, PhD	<b>Electronic Health Data</b> -John Rice, PhD -Carter Sevick	<b>Behavioral Measures</b> -Michael Baiocchi, PhD
<i>** Choose one breakout per time block **</i>					
12:30-1:30 pm	<b>Networking Lunch: Infrastructure for Pragmatic Science</b>	<ol style="list-style-type: none"> <li>Practice-Based Research Networks</li> <li>Implementation Labs/P50</li> <li>The VA QUERI</li> <li>Research with Community and Patient Partners</li> </ol>	<b>Table Hosts:</b> <ol style="list-style-type: none"> <li>Don Nease, MD; Christina Hester, PhD, MPH</li> <li>Russell Glasgow, PhD; Ross Brownson, PhD; Kate Guastafarro, PhD</li> <li>Amy Kilbourne, PhD, MPH; Cathy Battaglia, PhD, RN</li> <li>Elva Arredondo, PhD, Ramona Koren, Liz Salmi, A.S.</li> </ol>	Networking Open Forum (live)	
<i>15-minute break</i>					
1:45-2:15 pm	<b>Designing for Dissemination: Beginning with the End in Mind</b>	Ross Brownson, PhD	Plenary Address (recorded)		
2:15-3:00 pm	<b>Training and Career Development in Pragmatic Science for Health Research: Career Paths and a Roadmap to Success</b>	Allison Kempe, MD, MPH Cara Lewis, PhD Melinda Davis, PhD Tisha Felder, PhD, MSW Nee-Kofi Mould-Millman, MD Moderator: Bethany Kwan, PhD, MSPH	Panel Discussion (live)		
<i>15-minute break</i>					
3:15-3:30 pm	<b>COPRH-Con, the Dynamic Context of Pragmatic Research, and the Evidence Life-Cycle: What Comes Next</b>	Bethany Kwan, PhD, MSPH	Address from the Conference Chair (live)		
3:30-4:30 pm	<b>Translating Research Evidence into Practice to Improve Health Equity: Lessons from a Faith Based Physical Activity Intervention</b>	Elva Arredondo, PhD	Closing Keynote Address (recorded & live)		

# Keynote and Plenary Speakers

*\*denotes COPRH Con Planning Committee Member*

## **Elva Arredondo, PhD**

Closing Keynote Address



Elva M. Arredondo, Ph.D. is professor of public health at San Diego State University and Core Investigator in the Institute for Behavioral and Community Health (IBACH). Dr. Arredondo earned her bachelor's degree in psychology from the University of Washington, Seattle, and her Ph.D. in clinical psychology from Duke University. She completed her clinical internship in behavioral medicine from the University of California, San Diego. Dr. Arredondo is a bilingual/bicultural native of Mexico with over 18 years of research experience in examining social determinants of Latino health, with a focus on physical activity and cancer screening. Dr. Arredondo's research interests also include developing, implementing, evaluating, and disseminating multi-level community-based programs that improve the health of ethnic minority and socially/economically disadvantaged communities. She has served as PI, Co-PI or subcontract PI of grants, from sources ranging from the American Cancer Society, the Centers for Disease Control and Prevention, the Robert Wood Johnson Foundation, and the National Institutes of Health. Her research has resulted in over 130 manuscripts, book chapters, and scientific entries.

## **Ross Brownson, PhD**

Plenary Address



Ross C. Brownson, PhD, is the Lipstein Distinguished Professor of Public Health at Washington University in St. Louis. He directs the CDC-supported Prevention Research Center and co-directs the Washington University Implementation Science Center for Cancer Control (supported by the NCI). Dr. Brownson studies the translation of evidence to public health practice and policy, with a content focus on environmental and policy determinants of chronic diseases. Dr. Brownson is the author of 15 books and over 550 peer-reviewed articles. He has received numerous awards for his work. Among these, he is the recipient of the American Public Health Association's (APHA) Abraham Lilienfeld Award for excellence in teaching and mentoring (2003) and the APHA Award for Excellence (2016). Dr. Brownson is a former president of the American College of Epidemiology and the National Association of Chronic Disease Directors.

## **Kate Guasterro, PhD, MPH**

Plenary Address



Dr. Guasterro's program of research, situated at the cutting edge of prevention and intervention science, is devoted to the development, optimization, and evaluation of effective, efficient, economical, and scalable interventions with high public health impact, specifically focusing on the prevention of child maltreatment.

**Amy Huebschmann\***  
**MD, MS**  
Plenary Address



Dr. Huebschmann began her education at the University of Illinois at Urbana-Champaign, earning a BS in Environmental Engineering. She earned her medical degree in 2000 from Vanderbilt University School of Medicine and completed her residency at the University of Colorado School of Medicine. Continuing her education, most recently she earned an MS in Clinical Sciences in 2015 at the University of Colorado. Dr. Huebschmann is an Associate Professor at the University of Colorado School of Medicine with the Division of General Internal Medicine and the Center for Women's Health Research. She is funded by a K23 career development award from the National Heart Lung Blood Institute of the National Institutes of Health and was previously funded by a KL2 award from the Colorado Clinical and Translational Sciences Institute. Her overarching research goal is to reduce the burden of cardiovascular disease in people with type 2 diabetes by overcoming barriers to physical activity and by optimally controlling other cardiovascular risk factors such as hypertension. To achieve this overarching goal, Dr. Huebschmann seeks to work with clinics and communities to implement evidence-based programs to promote physical activity for people with Type 2 Diabetes.

**Amy Kilbourne, PhD, MPH**  
Opening Keynote Address



Dr. Kilbourne is Director of the Quality Enhancement Research initiative (QUERI) in the U.S. Department of Veterans Affairs, and Professor of Learning Health Sciences at University of Michigan. Her goal is to improve public health outcomes through implementation strategies that help providers scale up and spread effective innovations in real-world settings.

**Matthew Wynia, MD, MPH**  
Plenary Address



Dr. Wynia's career has focused on the intersections of professional ethics, clinical care and health policy. The Center is responsible for a university-wide portfolio of programs for teaching, community engagement, clinical consultation and research related to health humanities and bioethics. Prior to joining the University of Colorado, Wynia directed the Institute for Ethics at the American Medical Association for more than 15 years, leading projects on understanding the ethical climate of health care organizations, communication and team-based care, physician professionalism and self-regulation, ethics and epidemics, medicine and the Holocaust, and inequities in health and health care.



# Supporting Presenters

*\*denotes COPRH Con Planning Committee Member*



## **Gregory A. Aarons, PhD**

### **Professor, Department of Psychiatry, University of California, San Diego**

Gregory Aarons, PhD is a clinical and organizational psychologist, Professor of Psychiatry at UC San Diego, Co-Director of the UCSD Dissemination and Implementation Science Center (UCSD-DISC) and Director of the Child and Adolescent Services Research Center (CASRC). He is co-developer of the Exploration, Preparation, Implementation, Sustainment (EPIS) framework (<https://episframework.com>) and developer of the Leadership and organizational Change for Implementation strategy (<https://implementationleadership.com>). Dr. Aarons has published over 230 peer-reviewed papers. His work has been featured in policy reports from the Institute of Medicine including “New Directions in Child Abuse and Neglect Research” and “Psychosocial Interventions of Mental and Substance Use Disorders.”



## **Michael Baiocchi, PhD**

### **Professor, Department of Epidemiology and Population Health, Stanford University**

Michael Baiocchi, PhD, is an Assistant Professor in Epidemiology and Population Health. He is an interventional-statistician, creating interventions and the means for analyzing them. He specializes in creating simple, easy to understand statistical methodologies for getting reliable results out of messy data and messy situations. His research is in nonparametric estimation and design-based inference. He was the inaugural Stein Fellow in the department of Statistics at Stanford University. He is the principal investigator on a large (enrollment: 5,000+ students, 100+ schools) randomized study of a sexual assault prevention intervention in the informal settlements around Nairobi, Kenya. He is currently launching a five-university study of a sexual assault resistance program in the United States.



## **Catherine Battaglia, PhD, RN**

### **Assistant Professor, Colorado School of Public Health, University of Colorado**

Dr. Battaglia has a background in health services research, D&I of interventions in routine clinical practice and mixed methods analyses. She is the Principal Investigator of two VA QUERI programs and the Designing for Dissemination and Implementation Training Hub. Battaglia is a Professor with the CU School of Public Health and Faculty/Program Administrator for the LEADS Program in the School of Medicine. Dr. Battaglia is Director of the HSR PhD Program and a Nurse Researcher at the Denver VA for the Colorado Research to Improve Care Coordination Program. She received her PhD in Clinical Sciences/HSR from the University of Denver.



## **Erin Chaussee, MS, PhDc**

### **Senior Professional Research Assistant, Biostatistician, ACCORDS, University of Colorado**

Erin joined the ACCORDS Biostatistics and Analytics Core in 2014. She is currently a PhD candidate in the Department of Biostatistics & Informatics at the Colorado School of Public Health. Her research is in cluster randomized trials with a focus on stepped wedge designs.



**Marilyn Coors, PhD**

**Associate Professor, Center for Bioethics and Humanities, University of Colorado**

Marilyn E. Coors is Associate Professor of Bioethics at the Center for Bioethics and Humanities and the Department of Psychiatry at the University of Colorado Anschutz Medical Campus. She holds a Ph.D. in bioethics, and the ethical issues in clinical genetics and genetic research are the foci of her research, teaching and professional service. As the Director of Research Ethics for the Colorado Clinical and Translational Science Institute, she is directly involved in research ethics consultation and cross-disciplinary ethics education.



**Melinda Davis, PhD**

**Assistant Director, Oregon Practice-Based Research Network**

**Associate Professor, Department of Family Medicine, Oregon Health and Sciences University**

Melinda Davis, PhD, is Associate Director for the Oregon Rural Practice-based Research Network (ORPRN) and an Associate Professor in the Department of Family Medicine and OHSU-PSU School of Public Health. Dr. Davis is a participatory implementation scientist who collaborates with patient, community, and health system partners to identify and address health disparities in rural and underserved populations. Dr. Davis was the recipient of an Agency for Health Care Research and Quality (AHRQ) Patient Centered Outcomes Research Institutional K12 and is in the final year of her National Cancer Institute (NCI) Cancer Prevention, Control, Behavioral Science, and Population Science Career Development Award (K07). Dr. Davis leads a portfolio of research and technical assistance contracts funded by federal and regional partners – including an NCI funded cancer moonshot award under the ACCSIS (accelerating Colorectal Cancer Screening and follow-up through Implementation Science) program to implement mailed FIT and patient navigation in rural settings and an AHRQ funded R18 to help primary care practices address patients' unhealthy alcohol use. Dr. Davis conducts her work in ORPRN, often in partnership with the Community Health Advocacy and Research Alliance (CHARA), Oregon's Coordinated Care Organizations (CCOs), and other state and national partners. Dr. Davis brings topical (cancer prevention & control, practice facilitation) and methodologic expertise (qualitative, mixed-methods, participatory research, implementation science) to these interdisciplinary collaborations.



**Matthew DeCamp, MD, PhD**

**Associate Professor, Center for Bioethics and Humanities, Division of General Internal Medicine, University of Colorado**

Matthew DeCamp, MD, PhD, is an Associate Professor in the Center for Bioethics and Humanities and Division of General Internal Medicine. A practicing internist, health services researcher and philosopher, Dr. DeCamp employs both empirical and conceptual methods to identify and solve cutting edge problems at the interface of health care, policy and bioethics. Special emphases of his research include engaging patients in health care organizational decision-making, ethical issues in the use of social media, "Big Data," and global health.



**L. Miriam Dickinson, PhD**

**Professor, Department of Family Medicine, University of Colorado**

L. Miriam Dickinson, PhD, is a Professor in the Department of Family Medicine, adjunct professor in the Department of Biostatistics and Informatics, a senior biostatistician in the Biostatistics Core of the ACCORDS Center for health outcomes research at the University of Colorado Anschutz Medical Campus, and Senior Scientist for the National Research Network of the American Academy of Family Physicians. With post-doctoral training in health services research and a PhD in biostatistics, she brings a strong methodological background to inform study design and apply rigorous methods and innovative approaches to practice-based research, study design, covariate constrained randomization, and the application of complex analytic methodologies to the challenges

associated with cluster randomized pragmatic trials and stepped wedge trials. She has many years of experience as lead methodologist/evaluator and co-investigator on numerous federally funded grants focused on research in practice-based and community settings, as well as serving as PI on a NIMH R03 grant to use multilevel modeling to examine contextual effects on depression process of care in primary care practices.



**Diane Fairclough, DrPH**  
**Professor, Department of Biostatistics and Informatics**  
**Colorado School of Public Health**

Dr. Fairclough is a Professor in the Colorado School of Public Health. She received a doctoral degree in Biostatistics from the University of North Carolina and held appointments at St. Jude Children's Research Hospital, Harvard School of Public Health, AMC Cancer Research Center and the CU Denver. She is a Past President of the International Society for Quality of Life Research and the 2012 recipient of their President's Award for her contribution to the field and the society. Her primary research interest is Quality of Life, outcomes in palliative/hospice care, and psychosocial sequelae of cancer and its therapy in pediatric and adult patients. Dr. Fairclough's statistical research interests include the analysis of longitudinal studies with non-random missing data due to disease morbidity or mortality.



**Tisha Felder, PhD, MSW**  
**Assistant Professor, College of Nursing, University of South Carolina**

Dr. Tisha Felder is an Assistant Professor in the College of Nursing at the University of South Carolina (USC). She is also a Core Faculty in the Cancer Prevention and Control Program at the USC Arnold School of Public Health. Dr. Felder received her PhD in behavioral sciences from the University of Texas School of Public Health and MSW from the University of Michigan. Her current research interests include achieving racial and socioeconomic equity in health, enhancing diversity in biomedical science, mixed methods research and multi-level interventions.



**Russell Glasgow, PhD\***  
**Research Professor, Department of Family Medicine, University of Colorado**

Russell E. Glasgow, PhD, is Research Professor in the Department of Family Medicine, School of Medicine at the University of Colorado and Director of the Dissemination and Implementation Program of the Adult and Child Consortium for Health Outcome Research and Delivery Science there. His research focuses on issues of designing for implementation and sustainability, understanding and assessing adaptations to programs, and development and evaluation of pragmatic models and measures. Russell is a behavioral scientist who specializes in the development and assessment of chronic illness prevention and self-management programs. Russell has 15 years of experience in implementation science and over 25 years of experience in intervention and health outcomes research. He has over 450 peer reviewed publications, most of them related to applied research issues, evaluating and enhancing generalizability of research, pragmatic research methods and frameworks, and ways to enhance implementation and dissemination.



**Ian Graham, PhD**  
**Professor, University of Ottawa**

Ian Graham, PhD, FCAHS, FNYAM, FRSC is a Professor in the School of Epidemiology and Public Health at the University of Ottawa and a Senior Scientist at the Centre for Practice-Changing Research at the Ottawa Hospital Research Institute. From 2006 to 2012 he was seconded to the position of Vice President of Knowledge Translation at the Canadian Institutes of Health Research. His research program focuses on understanding how engaging patients and other stakeholders in the research process (known as integrated knowledge translation) works and the impact it produces. He is co-ordinator of the Ottawa Model of Research Use; the Practice Guideline Evaluation and Adaptation Cycle; the Knowledge to Action framework; CAN-IMPLEMENT, and a founding member of the international ADAPTE collaboration.



**Christina Hester, PhD, MPH**  
**Director of Research, American Academy of Family Physicians National Research Network**

Hester is the Research Director of the American Academy of Family Physicians (AAFP) National Research Network (NRN). Through the AAFP NRN, she leads practice-based research projects in primary care practice settings on a broad spectrum of topics and has led several large projects in primary care clinical and community settings.



**Jodi Holtrop, PhD**  
**Professor, Department of Family Medicine, University of Colorado**

Dr. Holtrop is Professor and Vice Chair for Research in the University of Colorado Department of Family Medicine and Associate Director and Senior Implementation Scientist with the Adult and Child Consortium for Health Outcomes Research and Delivery Science (ACCORDS) at the University of Colorado School of Medicine. She also is a Senior Scientific Advisor for the Agency for Healthcare Research and Quality for dissemination and implementation science and primary care research.



**Amy Huebschmann, MD, MS, FACP\***  
**Associate Professor, Division of General Internal Medicine, University of Colorado**

Dr. Huebschmann began her education at the University of Illinois at Urbana-Champaign, earning a BS in Environmental Engineering. She earned her medical degree in 2000 from Vanderbilt University School of Medicine and completed her residency at the University of Colorado School of Medicine. Continuing her education, most recently she earned an MS in Clinical Sciences in 2015 at the University of Colorado. Dr. Huebschmann is an Associate Professor at the University of Colorado School of Medicine with the Division of General Internal Medicine and the Center for Women's Health Research. She is funded by a K23 career development award from the National Heart Lung Blood Institute of the National Institutes of Health and was previously funded by a KL2 award from the Colorado Clinical and Translational Sciences Institute. Her overarching research goal is to reduce the burden of cardiovascular disease in people with type 2 diabetes by overcoming barriers to physical activity and by optimally controlling other cardiovascular risk factors such as hypertension. To achieve this overarching goal, Dr. Huebschmann seeks to work with clinics and communities to implement evidence-based programs to promote physical activity for people with Type 2 Diabetes.



**Elizabeth Juarez-Colunga, PhD\***  
**Director, ACCORDS Biostatistics and Analytics Core**  
**Associate Professor, Colorado School of Public Health**

Dr. Juarez-Colunga is an assistant professor in the Colorado School of Public Health. She received her BS in Applied Mathematics and MSc in Statistics in Mexico, and her doctoral degree in Statistics from Simon Fraser University in Canada. Elizabeth's areas of expertise and interest include: (i) analysis of data with dependencies at different levels including longitudinal and clustered data, which builds upon generalized linear and nonlinear mixed models, (ii) analysis of repeated events data such as pulmonary exacerbations, which evolve as extension of survival analysis methods, (iii) joint modeling of multiple outcomes, and (iv) analysis of observational data. She has been involved in the design and analysis of several health outcomes research studies, including for instance, The Scalable Architecture for Federated Translational Inquiries Network (SAFTINet) project, a pragmatic trial to assist weight loss in a low-income population, and several observational studies in surgical outcomes.



**Allison Kempe, MD, MPH\***  
**Director, ACCORDS**  
**Professor of Pediatrics, University of Colorado**

Dr. Allison Kempe, MD, MPH is the founding Director of ACCORDS. She is a tenured Professor of Pediatrics at the University of Colorado School of Medicine and the Colorado School of Public Health and has conducted health services, outcomes, and implementation/dissemination research for over thirty years. She has extensive experience in conducting pragmatic trials, in program evaluation and in the conduct of surveys, with over 200 publications focusing on improving health care and health care delivery. Finding and testing methods of improving immunization rates and other preventive care delivery and decreasing disparities in health and health care delivery for children have been the major focus of her own research. She has received numerous R01 level grants from NIH, AHRQ, and the CDC throughout her career. Additionally, Dr. Kempe has played a major mentorship role for many fellows and junior faculty. She directed two federally funded primary care research fellowships for over 10 years and developed a fellowship for surgical and subspecialty faculty who wish to become outcomes or health services researchers. Currently, she is a Co-Director of a K12 from NHLBI that focuses on implementation and dissemination science.



**Bethany Kwan, PhD, MSPH\***  
**Director, ACCORDS Education Program**  
**Associate Professor, Department of Family Medicine, University of Colorado**

Bethany Kwan, PhD, MSPH is an Associate Professor in the Department of Family Medicine at the University of Colorado School of Medicine, Anschutz Medical Campus. She received her PhD in social psychology from the University of Colorado Boulder in 2010, following a MSPH from the University of Colorado Health Sciences Center in 2005. She holds a BS in Chemistry and Psychology from Carnegie Mellon University ('01). As an investigator in the University of Colorado's Adult & Child Consortium for Health Outcomes Research and Delivery Science (ACCORDS), she conducts pragmatic, patient-centered research and evaluation on health and health care in a variety of areas. With an emphasis on stakeholder engagement and dissemination and implementation (D&I) methods, her work addresses the integration of physical and behavioral health, chronic disease self-management, improving processes and systems of care to achieve the Quadruple Aim, pragmatic trials using electronic health data, and enhancing quality of life for patients and care partners. She works with patients and other stakeholders at all phases of research, from prioritization, to design, implementation, and dissemination of research. She mentors and teaches students, trainees, and fellow faculty on Designing for Dissemination to ensure that research innovations are efficiently and effectively adopted, used, and sustained in real world settings to improve health and well-being for all. Dr. Kwan directs the ACCORDS Education program as well as the Colorado Clinical & Translational Sciences Institute (CCTSI) Dissemination & Implementation Research Core.



**Cara Lewis, PhD**

**Associate Investigator, Kaiser Permanente Washington Health Research Institute**

Dr. Cara C. Lewis is a clinical psychologist, associate investigator at Kaiser Permanente Washington Health Research Institute and affiliate faculty in the Department of Psychiatry and Behavioral Sciences at the University of Washington. She is Past President of the Society for Implementation Research Collaboration and co-founding Editor-in-Chief of the proposed SIRC journal. Her research focuses on advancing pragmatic and rigorous measures and methods for implementation science and practice, and informing tailored implementation of evidence-based practices. She is also a Beck Scholar with expertise in Cognitive Behavioral Therapy.



**Jessica Moreau, PhD**

**Research Health Specialist, CSHIP, VA Greater Los Angeles**

Jessica L. Moreau, PhD (Princeton, 2011), MPH (UCLA, 2012), is a medical anthropologist and core investigator at the VA HSR&D Center for the Study of Healthcare Innovation, Implementation and Policy (CSHIP) at VA Greater Los Angeles. Her research interests include women's health, implementation science, and quality improvement. Dr. Moreau specializes in rigorous qualitative methods including qualitative and mixed method study design and rapid methods for data collection and analysis. In her role as CSHIP Qualitative Methods Group Lead, Dr. Moreau provides expert consulting on study design and grant development to center investigators, mentors junior investigators, and conducts workshops on qualitative methods



**Megan Morris, PhD, MPH**

**Director, ACCORDS Qualitative Core**

**Associate Professor, Department of Family Medicine, University of Colorado**

Dr. Morris earned her BS in Communication Disorders from Boston University, an MS in Speech-Language Pathology, an MPH with a Health Policy and Systems Concentration, and a PhD in Rehabilitation Science from the University of Washington in Seattle, WA. She completed a postdoctoral fellowship in Health Services Research at the Feinberg School of Medicine at Northwestern University. Dr. Morris serves as a qualitative and mixed methods expert on multiple health services research studies. She has worked across a multitude of clinical areas and is particularly interested in employing qualitative methodologies and methods to engage key stakeholders in identifying and addressing disparities in care experienced by vulnerable populations. In her own research, she aims to identify and address provider- and organization-level factors that contribute to healthcare disparities experienced by patients with disabilities. She is the founder and director of the national Learning Collaborative to Address Disability Equity in HealthcaRe (LEADERS).



**Brad Morse, PhD, MA**

**Research Instructor, Data Science to Patient Value (D2V), University of Colorado**

Dr. Morse earned his Ph.D. in Technology, Media, and Society from the ATLAS Institute at the University of Colorado Boulder. A Masters degree in Cultural Anthropology was obtained before finishing his terminal degree. His current academic interests include user experience (UX) research, human-centered design, mHealth, qualitative research design, qualitative methods, ethnography, community engagement, and collaborative video development.



**Nee-Kofi Mould-Millman, MD**

**Associate Professor, Department of Emergency Medicine, University of Colorado**  
Dr. Mould-Millman is an Associate Professor of Emergency Medicine at the University of Colorado, and a Senior Investigator of Global Health. He is a federally-funded physician-investigator with expertise in global emergency medicine and prehospital care systems. He is a researcher and a program implementer who leverages D&I and pragmatic research to improve delivery of emergency and trauma care, predominantly in resource-limited settings internationally.



**Don Nease, MD**

**Director, ACCORDS Practice-Based Research Network & Community Engagement Professor of Family Medicine, University of Colorado**

Don Nease is the Vice Chair for Community in Family Medicine, and Director of the Community Engagement and Research for the Colorado Clinical and Translational Sciences Institute. Dr. Nease's work is dedicated to improving health from the level of individual doctor-patient interactions to community and population-based interventions. His research is conducted largely within communities and their primary care practices, most notably in the areas of Chronic Illness and Systems Change. Don received both his B.A. and M.D. degrees at the University of Kansas. He did his Residency at the Medical University of South Carolina/Department of Family Medicine and a Faculty Development Fellowship at the University of North Carolina.



**Laura Pyle, PhD**

**Associate Professor, Director for Child Health Research Biostatistics Core, University of Colorado**

Dr. Pyle is the Director of the Child Health Research Biostatistics Core at the University of Colorado Anschutz Medical Campus. She collaborates with investigators on research mainly related to obesity, type 2 diabetes, and type 1 diabetes, helping them design and conduct rigorous research protocols, with a particular focus on clinical trials and longitudinal observational studies.



**Borsika Rabin, PhD, MPH, PharmD\***

**Assistant Professor, Department of Family Medicine and Public Health, University of California San Diego**

Borsika Rabin, PhD, MPH, PharmD is an Assistant Professor at the Department of Family Medicine and Public Health at the School of Medicine, University of California San Diego where she also serves as the co-Director of the UC San Diego D&I Science Center. Dr. Rabin serves as the co-lead of the Implementation Core for the Triple Aim QUERI Program for Denver VA and an Implementation Scientist at the Center of Excellence in Stress and Mental Health at the San Diego VA. She is a member of the ACCORDS Dissemination and Implementation Science Program at the University of Colorado. Her research focuses on dissemination and implementation (D&I) of evidence-based interventions, adaptations, measurement, and the evaluation and development of interactive, web-based interventions and tools with a special emphasis on tools that can support planning for D&I interventions. She designed and developed a number of web-based resources including the D&I Models in Research and Practice (<https://dissemination-implementation.org/> websites).



**Julie Ressalam, MPH**

**Senior Research Coordinator, Center for Bioethics and Humanities, University of Colorado**

Julie is the Senior Research Coordinator for the Center for Bioethics and Humanities and a project manager for the Data Science to Patient Value Initiative's Stakeholder Engagement and Governance Core. She holds a Masters of Public Health and her work is at the intersection of public health, bioethics, and community engagement. Julie is currently working on projects including measuring the impact of medical aid in dying laws in Colorado on physicians, understanding physician's attitudes towards people with disabilities, and creating a stakeholder engagement toolkit for healthcare researchers.



**John Rice, PhD**

**Research Assistant Professor, Department of Biostatistics and Informatics, Colorado School of Public Health**

Dr. John Rice is an assistant professor in the Department of Biostatistics and Informatics in the Colorado School of Public Health. He received his MSPH in Biostatistics from Emory University in 2010, and his PhD in Biostatistics from the University of Michigan in 2015, where his dissertation focused on statistical methods for cancer research. He completed postdoctoral training at the University of Rochester in 2017, where he worked in the areas of HIV testing behavior and cardiovascular outcomes, prior to joining the faculty at UC Denver. His research interests include longitudinal data analysis, recurrent events, and semiparametric regression methods for binary and semi-continuous outcomes data.



**Liz Salmi, A.S.**

**Patient-Researcher**

Liz Salmi is a former punk rock drummer turned brain cancer patient who now co-leads the Brain Cancer Quality of Life Collaborative. Established with support from PCORI in 2017, the Brain Cancer Quality of Life Collaborative has a mission to meaningfully engage diverse stakeholders (including patients and care partners) in the prioritization, design, and conduct of research that improves the quality of life for people with malignant brain tumors. In addition to the collaborative, Liz is now Senior Strategist of Research Dissemination for OpenNotes at Beth Israel Deaconess Medical Center.



**Krithika Suresh, PhD**

**Research Assistant Professor, Department of Biostatistics and Informatics, Colorado School of Public Health**

Krithika Suresh is a research assistant professor in the Department of Biostatistics and Informatics in the Colorado School of Public Health. She received her MMath in Biostatistics from the University of Waterloo, and her PhD in Biostatistics from the University of Michigan. Her research interests include survival analysis, longitudinal data, joint modeling, and prediction models, with applications in cancer research and other health outcomes.



**Kate Ytell, MPH**

**Professional Research Assistant**

Kate works as a PRA for the D2V initiative, where she supports various research and evaluation efforts including the Stakeholder Engagement Core and the Post-Acute Care Research and Team Science group. Her research interests include refugee health, culturally effective research, and stakeholder engagement.



# About ACCORDS

## Adult and Child Consortium for Health Outcomes Research and Delivery Science

The Adult and Child Consortium for Health Outcomes Research and Delivery Science (ACCORDS) encompasses T3-T4 research across the life spectrum for the University of Colorado (CU) Anschutz Medical Campus, with infrastructure support provided jointly from the Dean's Office of the School of Medicine and Children's Hospital Colorado (CHCO). The program was first established in 1998 as the Colorado Health Outcomes program (COHO). In 2014, COHO merged with the Children's Outcomes Research (COR) program, with **Allison Kempe, MD**, named the Program Director. The name highlights the focus on the entire life spectrum as well as on "delivery science," encompassing comparative effectiveness, patient-centered outcomes, and dissemination and implementation research.

ACCORDS is a group of investigators from multiple disciplines. Some have primary offices on campus, while a much larger group maintain off-site research homes. Currently, over 50 investigators, 15 biostatisticians/analysts, 39 research assistants, four instructors, and 11 administrative personnel have office space with ACCORDS. In FY2019, 32 grants were awarded totaling \$14 million, reflecting a 38 percent success rate for submitted proposals. ACCORDS provided 490 consultations to 28 departments/division in the School of Medicine and assisted with 63 faculty recruitments. ACCORDS houses two fellowship programs focusing on primary and subspecialty clinician scientists, and currently has a K12 training grant focused on dissemination and implementation science. During FY2019, ACCORDS hosted four seminar series, two distinguished lecturers, and four educational workshops.

ACCORDS brings together T3-T4 researchers from across the CU Anschutz campus. Collaborating investigators represent all School of Medicine departments, as well as the Colorado School of Public Health, the Skaggs School of Pharmacy and Pharmaceutical Sciences, and the College of Nursing. ACCORDS also has strong research affiliations with the Colorado Clinical and Translational Sciences Institute (CCTSI), Denver Health, Kaiser Permanente, U.S. Department of Veterans Affairs, Colorado Department of Public Health and Environment, and the Colorado Department of Health Care Policy and Financing. ACCORDS is as an incubator for research ideas, fosters interdisciplinary collaboration, and develops focused areas of research of national prominence.

The mission of ACCORDS is to improve health, locally and nationally, by supporting state-of-the-art outcomes and community translational research to guide clinical practice and health policy.

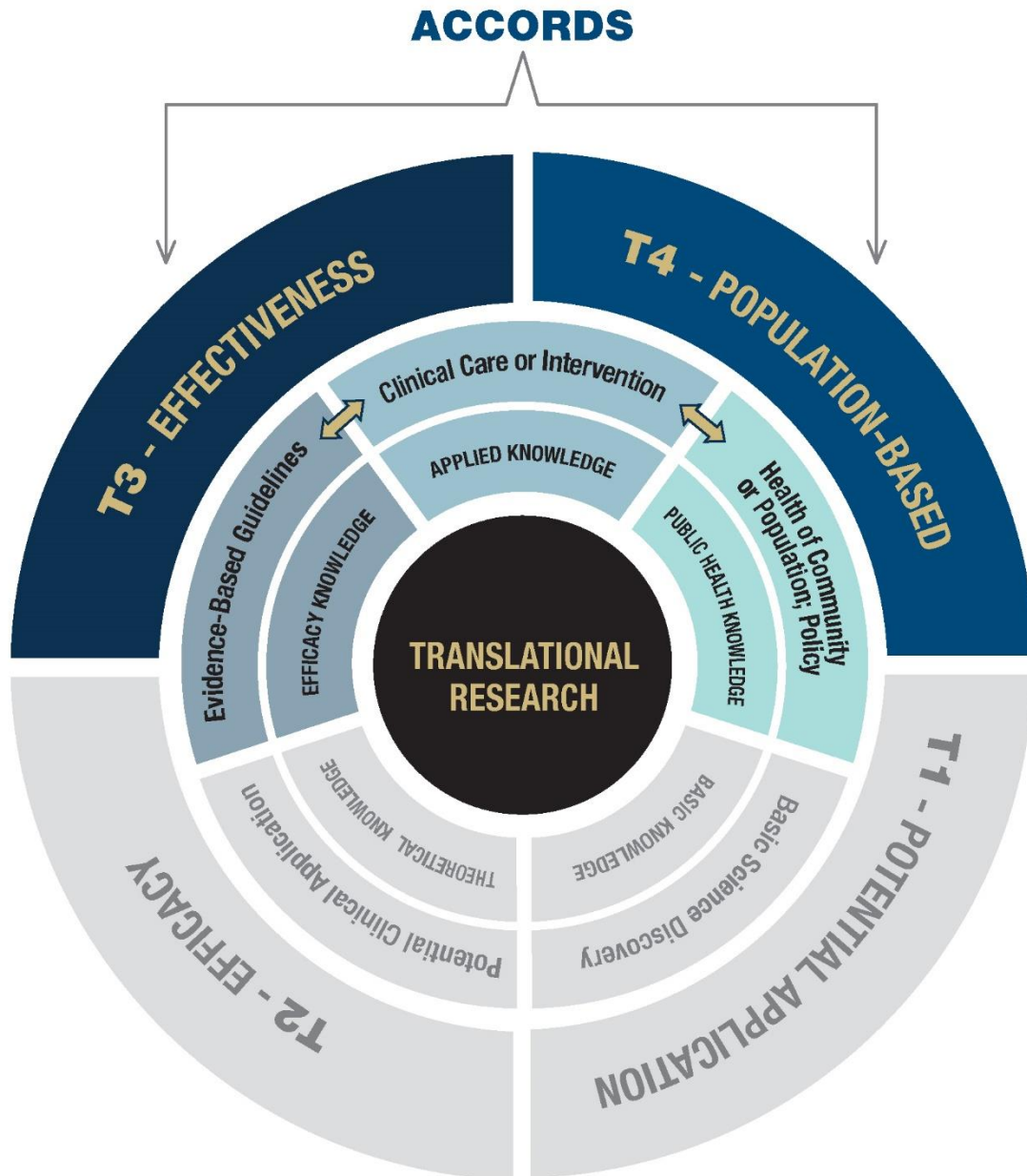
The objectives of ACCORDS are to

- Increase competitiveness of the School of Medicine/CHCO for funding from multiple research, education and training program sponsors, especially Patient-Centered Outcomes Research Institute, Agency for Healthcare Research and Quality, and the National Institutes of Health
- Strengthen affiliations with key external partners, including Denver Health, U.S. Department of Veterans Affairs, Kaiser Permanente, and the Colorado Department of Public Health and Environment, to increase access to populations and collaborators necessary for certain grants
- Improve faculty development for both senior and junior faculty interested in outcomes and delivery research by providing an interdisciplinary home for developing research, a mentored training ground, and substantial educational activities
- Improve the ability of the School of Medicine/CHCO to recruit senior and junior faculty interested in health outcomes, health services research, dissemination and implementation science, comparative effectiveness, and patient-centered outcomes research
- Achieve greater national visibility for the School of Medicine/CHCO as leaders in the areas of health outcomes, dissemination and implementation science, comparative effectiveness research, and training

ACCORDS is organized into programmatic areas: (1) Dissemination and Implementation Science; (2) Education; (3) Research Training and Mentorship; (4) Patient-Centered Decisions; (5) Data Science, and (6) Community Engagement and Outreach.

ACCORDS also has methodological cores in qualitative and mixed methods, practice-based research networks, biostatistics and analysis, economic analysis, and health informatics/mobile health. These cores provide support to the programmatic areas and consultative support to investigators. A major focus of these cores is to provide support for the development of new projects and grant proposals.

For more information, please visit <https://medschool.cuanschutz.edu/accords>



# D&I Graduate Certificate Program

The new Dissemination and Implementation (D&I) Science Graduate Certificate at the University of Colorado was designed to address a local and national need for rigorous training in D&I Science in health services research.

D&I science is the study of methods and strategies to facilitate the spread, adoption, implementation, and sustainment of evidence-based practices, interventions and policies in real world and diverse health settings. As a transdisciplinary scientific field, D&I science can address multiple cross-cutting research topics (e.g., reducing disparities in access to and quality of care; use of innovative technologies and data science to improve routine care) and health conditions (e.g., mental health, cancer and cardiovascular disease morbidity and mortality, geriatric care) of high priority. D&I Science also has the potential to make precision health more actionable and relevant and can make the translation of discoveries in this and other high priority areas more rapid.

The D&I Science Graduate Certificate Program is designed to provide pragmatic training to researchers who want to develop competencies in D&I science and practice which can be applied across multiple topic areas and settings in health services, clinical and community health, and public health research. The program is intended to provide researchers with solid foundational skills in D&I science, as well as intermediate and advanced skills in select D&I competency areas.

The D&I Science Graduate Certificate Program has two sponsoring units: the [Adult and Child Consortium for Health Outcomes Research and Delivery Science \(ACCORDS\)](#) acts as the primary sponsor and the Clinical Science Graduate Program at the University of Colorado Anschutz Medical Campus acts as the secondary sponsor. It is coordinated through the ACCORDS [Dissemination and Implementation Science Program](#).

For questions about the D&I Certificate program content please contact [Amy Huebschmann](#), the program director.

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## 2021 Colorado Pragmatic Research in Health Conference

**SAVE THE DATE!**

COPRH Con is a three-year national conference series focused on pragmatic methods for health services research.

In June 2021, COPRH Con will focus on Phase II of the Evidence Life Cycle (pragmatic research conduct and implementation).  
Mark your calendars now!