

2026-2027 CCTSI

PEET Grant Program

Overview

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Anschutz

Colorado Clinical and Translational
Sciences Institute (CCTSI)



CCTSI Element E: PEET

Pragmatic EHR-Embedded Trials (PEET)
2023-2030



Colorado Clinical and Translational
Sciences Institute (CCTSI)



Pragmatic Trials

Pragmatic Clinical Trials

Large-scale trials conducted in routine clinical care settings, involving:

- Interventions delivered by existed health care personnel through usual processes and systems of care
- Evaluations of outcomes using data collected as part of routine care

Weinfurt KP, Hernandez AF, Coronado GD, et al. Pragmatic clinical trials embedded in healthcare systems: generalizable lessons from the NIH Collaboratory. BMC medical research methodology. 2017 Dec;17:1-0.

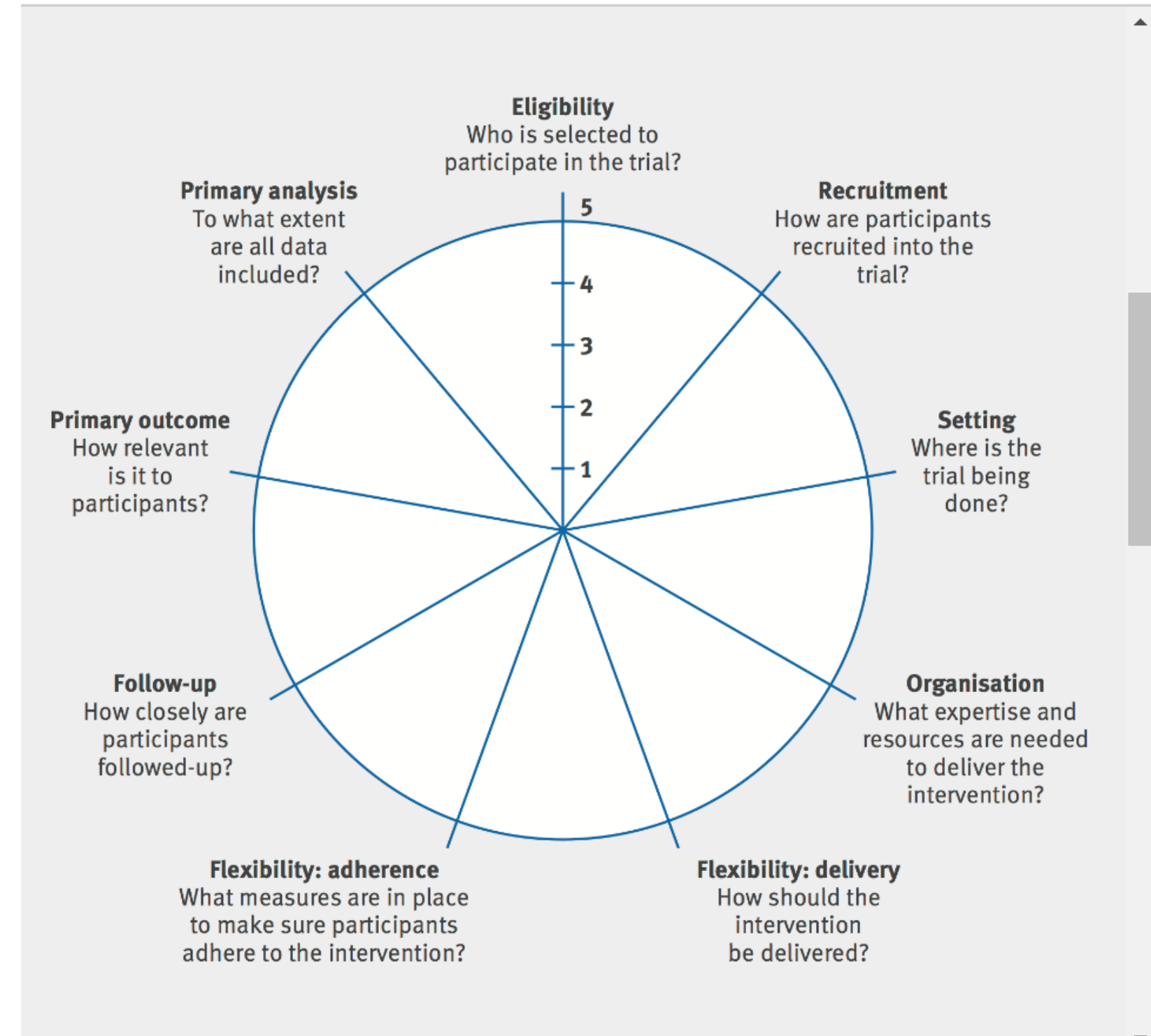


Figure: The PRagmatic-Explanatory Continuum Indicator Summary 2 (PRECIS-2) wheel.

Adapted from [BMJ 2015;350:h2147](https://doi.org/10.1136/bmj-2015-027002)

<https://precis-2.org/>

EHR-Embedded Trials

EHR-Embedded Trials

Use of EHR systems to conduct pragmatic clinical trials to facilitate:

- Identifying patient participants/cohorts and/or clinical phenotypes
- E-consent and participant communication
- Randomization, assignment, and delivery of interventions
- Assessment of outcomes/safety (including patient-reported outcomes and free text/narrative)
- Real-time tracking of accrual, trial data, diversity, and representativeness



PEET Goals

PEET Program Goals

1

Build

...the PEET Research Program infrastructure and governance needed for prioritization and support of proposed pragmatic EHR-embedded clinical trials in the UCHHealth system.

2

Engage

...partners in co-design of user guidance materials and protocols for implementation and use PEET infrastructure, including patient and clinician engagement processes.

3

Conduct

...pragmatic EHR-embedded clinical trials and use lessons learned to inform procedures for other EHR-embedded trials, with funding for up to 2 ongoing demonstration projects per year.

PEET Demonstration Projects

PEET Demonstration Project #2 (2024-2026): Optimizing Care in Critically ill at UCHHealth by Liberalizing the Target O₂ in mechanically-ventilated ICU patients (OCCULT O₂) (Principal Investigators: Neil Aggarwal, MD and Peter Sottile, MD)

Two phase study:

Phase 1: Implement an EHR (Epic) orderset with a higher oxygen saturation target range (SpO₂ 90-96%) in a randomized order and evaluate outcomes including occult hypoxemia (OH).

Phase 2: Assess effectiveness of an EHR-based clinical decision support tool for OH detection and mitigation.

OCCULT O₂

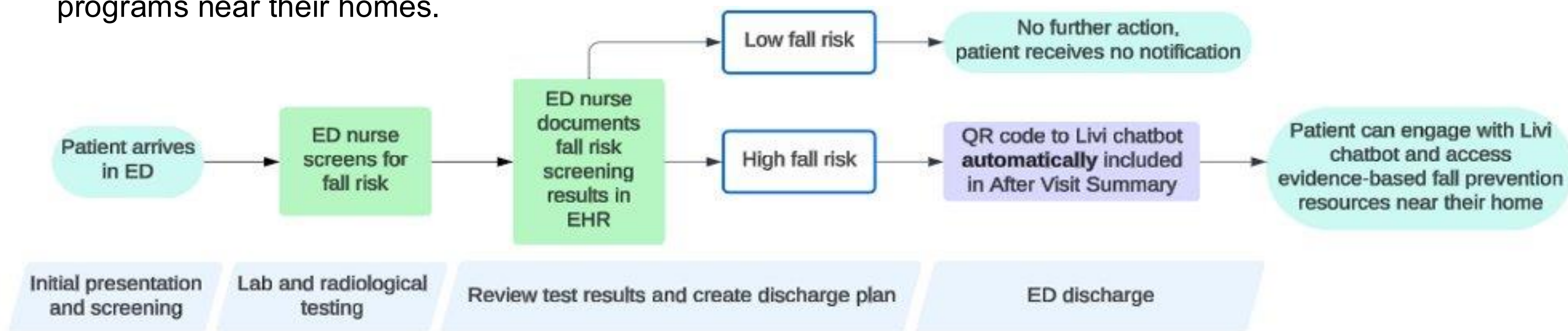


BALANCING THERAPIES IN CRITICAL CARE

PEET Demonstration Projects

PEET Demonstration Project #3 (2025-2027): Awareness and Linkage to Resources for At-Risk Emergency Department Patients(ALERT-ED) (Principal Investigators: Elizabeth Goldberg, MD and Jennifer Portz, MSW, PhD)

This is a multiple-ED, cluster-randomized, multiple crossover trial that tests the ALERT-ED intervention among older patients who present to UCHealth ED region and screen at high risk for falls. Patients will either receive educational resources or a link to the virtual assistant, UCHealth's Livi Chatbot, according to the randomization of the EDs. ALERT-ED notifies patients of their fall risk, provides education surrounding falls, and guides patients to choose among free and low-cost community fall prevention programs near their homes.



PEET Demonstration Projects

PEET Demonstration Project #4 (2026-2028): An EHR-embedded intervention to support tobacco cessation: a pragmatic trial (Principal Investigators: Katy Trinkley, PharmD, PhD and Amy Huebschmann, MD, MSc)

This is a two-stage project. In stage 1, the study team will co-develop the Colorado My Own Health Report+Tobacco (CO-MOHR+Tobacco) digital intervention through Design Thinking workshops, engaging key partners to reach consensus on tobacco cessation goals, resources, and motivational messaging. In stage 2, the team will conduct a 6-month type 2 hybrid implementation-effectiveness randomized controlled trial. Patients across the UCHealth system who use tobacco will be randomized to receive either a “nudge invitation” to complete the CO-MOHR+Tobacco intervention or no invitation.

Figure 1. Comparison of current CO-MOHR and proposed CO-MOHR+Tobacco intervention

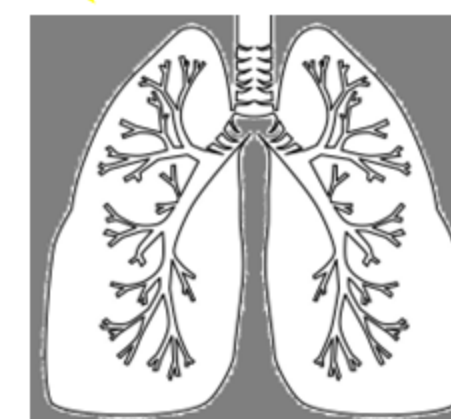
Current CO-MOHR

Your Risk Factor Overview



PEET: CO-MOHR+Tobacco

Your Risk Factor Overview



CO-MOHR+Tobacco adds:

Tobacco-related

- Goal-setting options
- Motivational messages
- Resources: including option to self-refer to UCHealth tobacco treatment specialist

Common intervention functions for CO-MOHR+ Tobacco and CO-MOHR:

- Flag Risks – visualize risk level of each domain
- Goal-setting – patient chooses what matters most to work on NOW
- Assist with goal: 8-week campaign through UCHealth patient portal
 - Motivational messages for selected goal – 3 to 5 times weekly
 - Resources for selected goal



CCTSI PEET Grant Award Eligibility

- CCTSI Members
- Principal Investigators (PI) must be a full time (≥ 0.5 FTE) at a CCTSI partnering institution and Associate Professors or above with an established record of obtaining research funding awards as a PI.
- There can be up to one additional multiple principal investigator (MPI), who must be at least at the Assistant Professor level.
- We encourages applications from all individuals including those historically underrepresented in biomedical research.

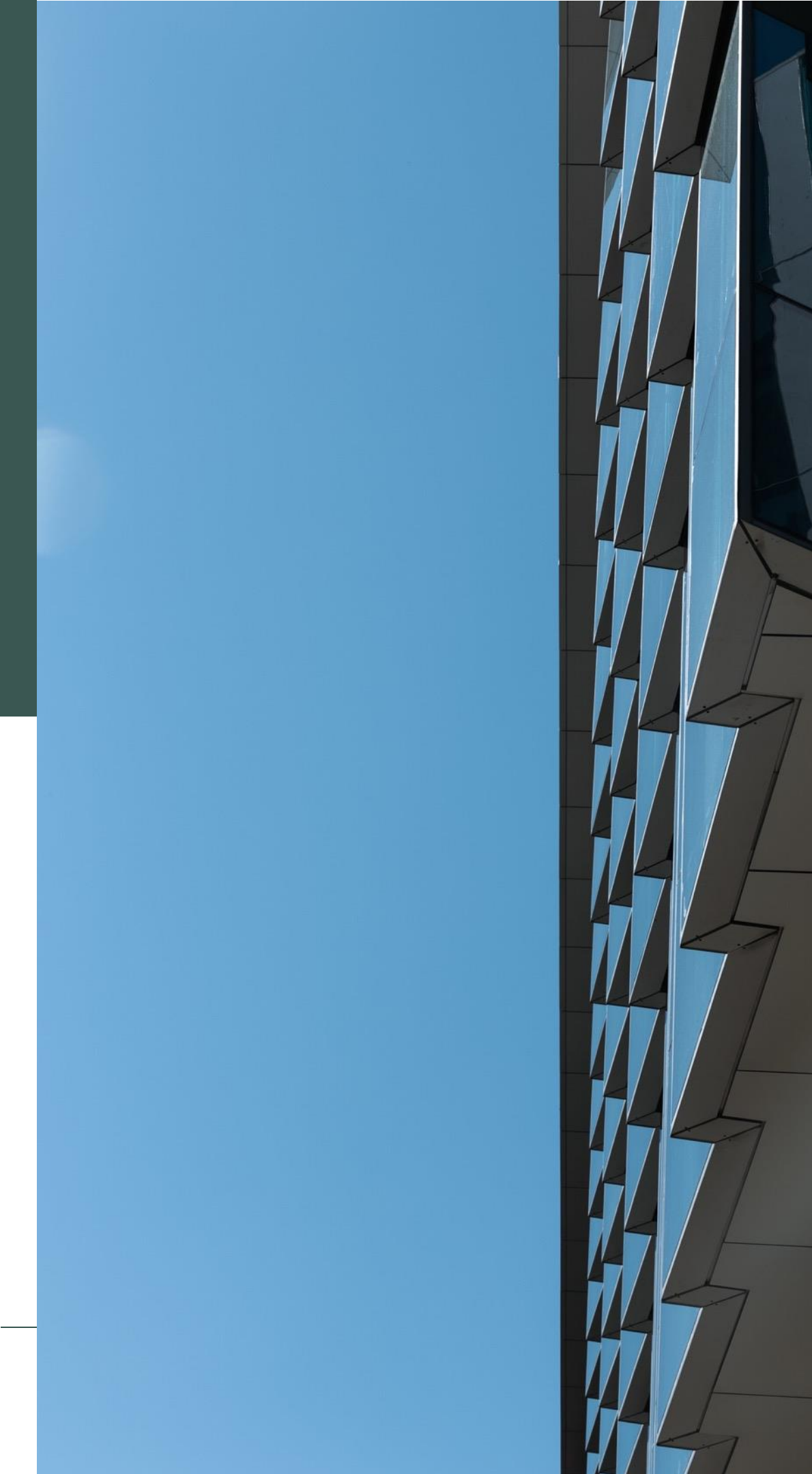
Partnering Institutions

CU Anschutz Medical Campus
CU Boulder
CU Denver
Colorado State University
University of Colorado Hospital
Children's Hospital Colorado
VA Eastern CO Health Care System
Kaiser Permanente Colorado

<https://cctsi.cuanschutz.edu/aboutus/partnering-institutions>

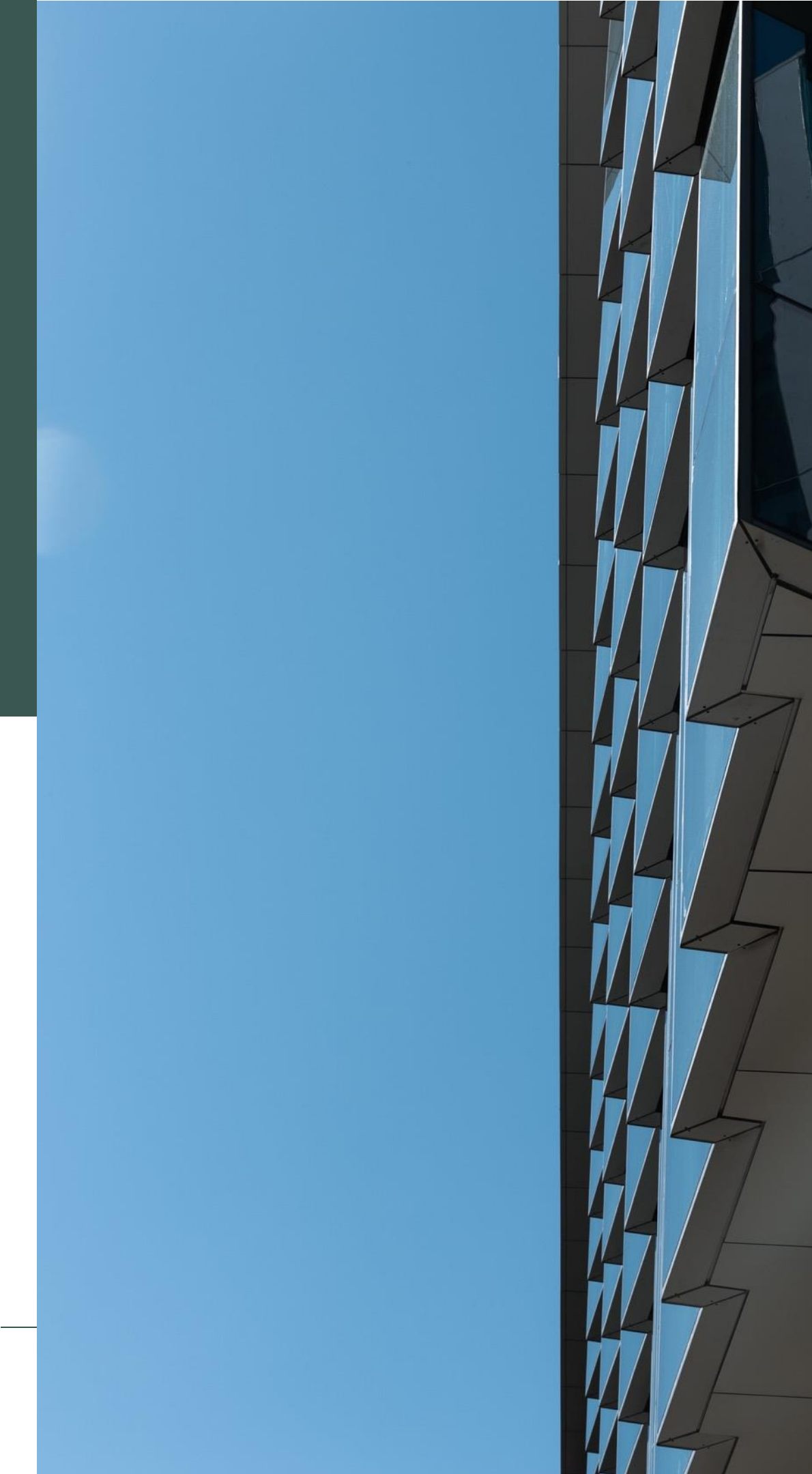
<https://cctsi.cuanschutz.edu/funding/membership>





Restrictions

- The project cannot be currently funded or underway.
- All applications should have unique and distinct specific aims from any ongoing projects by the PIs.
- If you are proposing a drug or device trial, applications are restricted to Phase II. Phase III or Phase IV drug or device trials will not be supported.



Exclusions

- CCTSI PEET awards may not be used to support research conducted outside of the United States.
- Individuals who have been PI/MPI on previously funded PEET awards are not eligible to apply as PI/MPI on additional PEET awards. Co-investigators moving into the MPI or PI role are eligible to apply for PEET awards.
- Applications proposing to continue the work of previously funded CCTSI PEET projects are not allowed.

2026-2027 PEET Grant Cycle Timeline

	PEET GRANT
RFA announcement	08/21/2026
Informational call #1	09/29/2026 at 2:00pm MT
Letter of intent due	10/23/2026 by 11:59pm MT
Invitation to submit full proposal	11/30/2026
Informational call #2	12/02/2026 at 1:00pm MT
Application due date	01/29/2027 by 11:59pm MT
Review	02/01/2027
Notice of award	Mid to Late June 2027
2026 award cycle	08/01/2027-07/31/2029



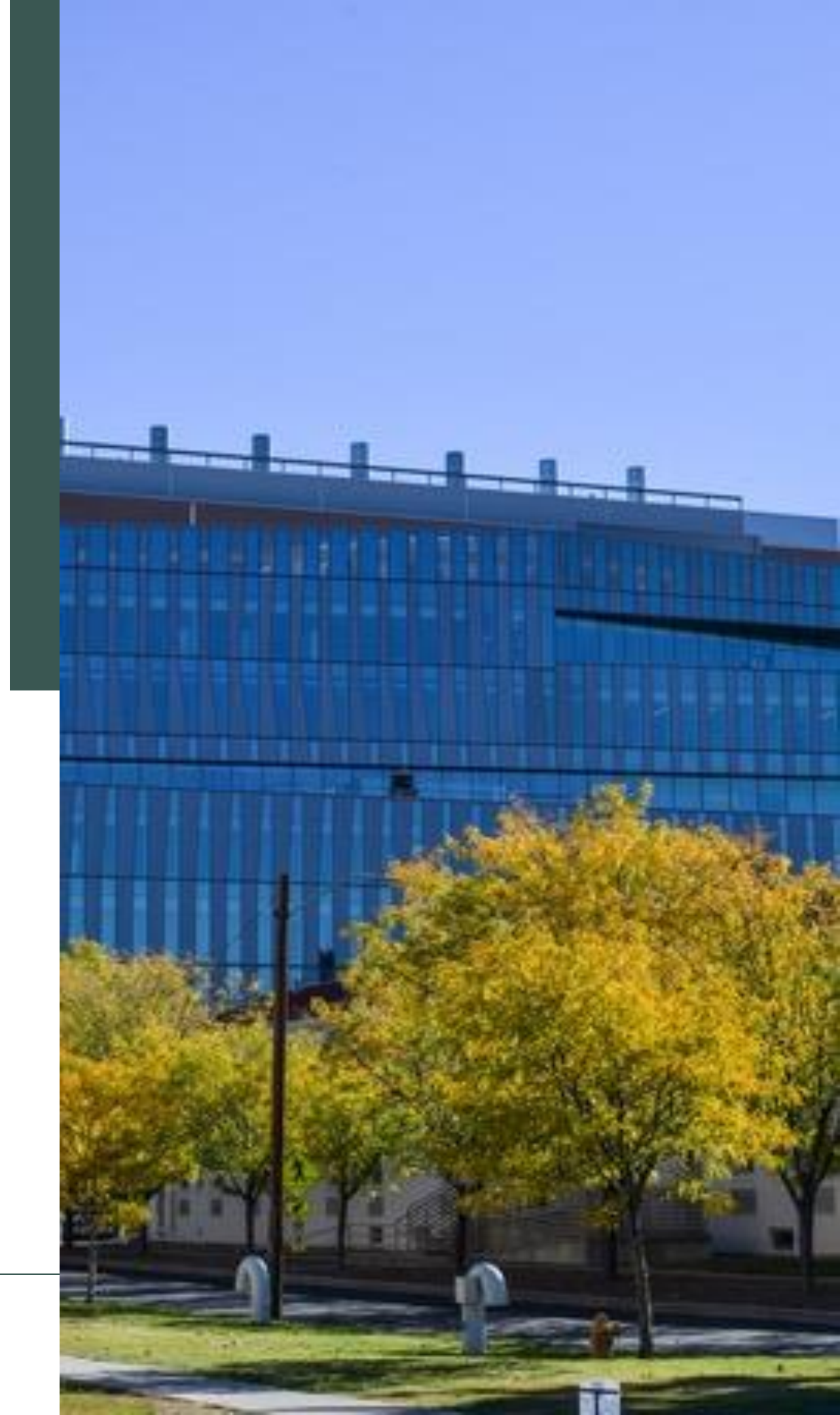
Intent to Apply Form

Please complete the **mandatory, competitive** Intent to Apply form by **Friday, October 23, 2026**.

The Intent to Apply form requests:

- Descriptive title of proposed research
- Principal investigator name, credentials, faculty rank, CCTSI partnering institution, and department/division
- Multiple principal investigator name, credentials, faculty rank, CCTSI partnering institution, and department/division
- A PDF document including the project title, PI name, and a concise description of the proposed project that describes the research question, study design, primary outcome(s), estimated sample size (based on health system numbers) and justification, including feasibility. If tables are used, the information contained within the table counts towards the word count. **Word limit: 1,000 words**
- A checklist for PEET minimum requirements and EHR integration features

The Intent to Apply form is mandatory and will be used to determine which applications will move forward to full proposals.





PEET Grant Program

Budget:

\$180k (\$90k per year) in direct costs available to the project team. The PEET Program provides additional centralized infrastructure support with a fixed value of \$120,000 in direct costs over the 2-year period. This support includes Epic builders and analysts, Health Data Compass analysts, community engagement, dissemination and implementation science support, grants management and PEET team support for project coordination with UCHHealth, which do not need to be listed in the itemized budget.

\$300k in total support in direct costs

Duration: 2 years

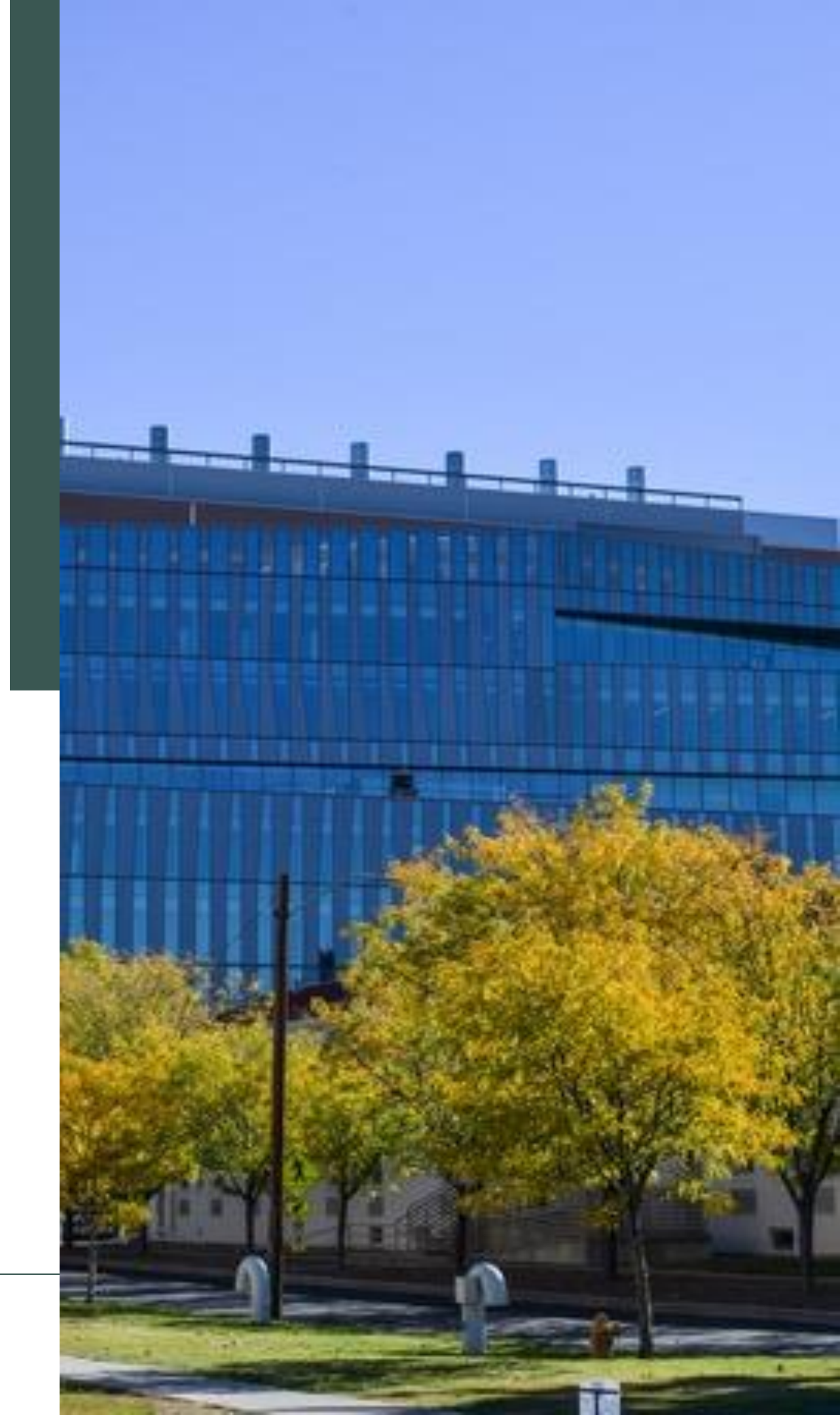
Major Goals: To demonstrate conduct of PEET-style projects in partnership with UCHHealth and develop governance and user guidance materials for others conducting these types of trials

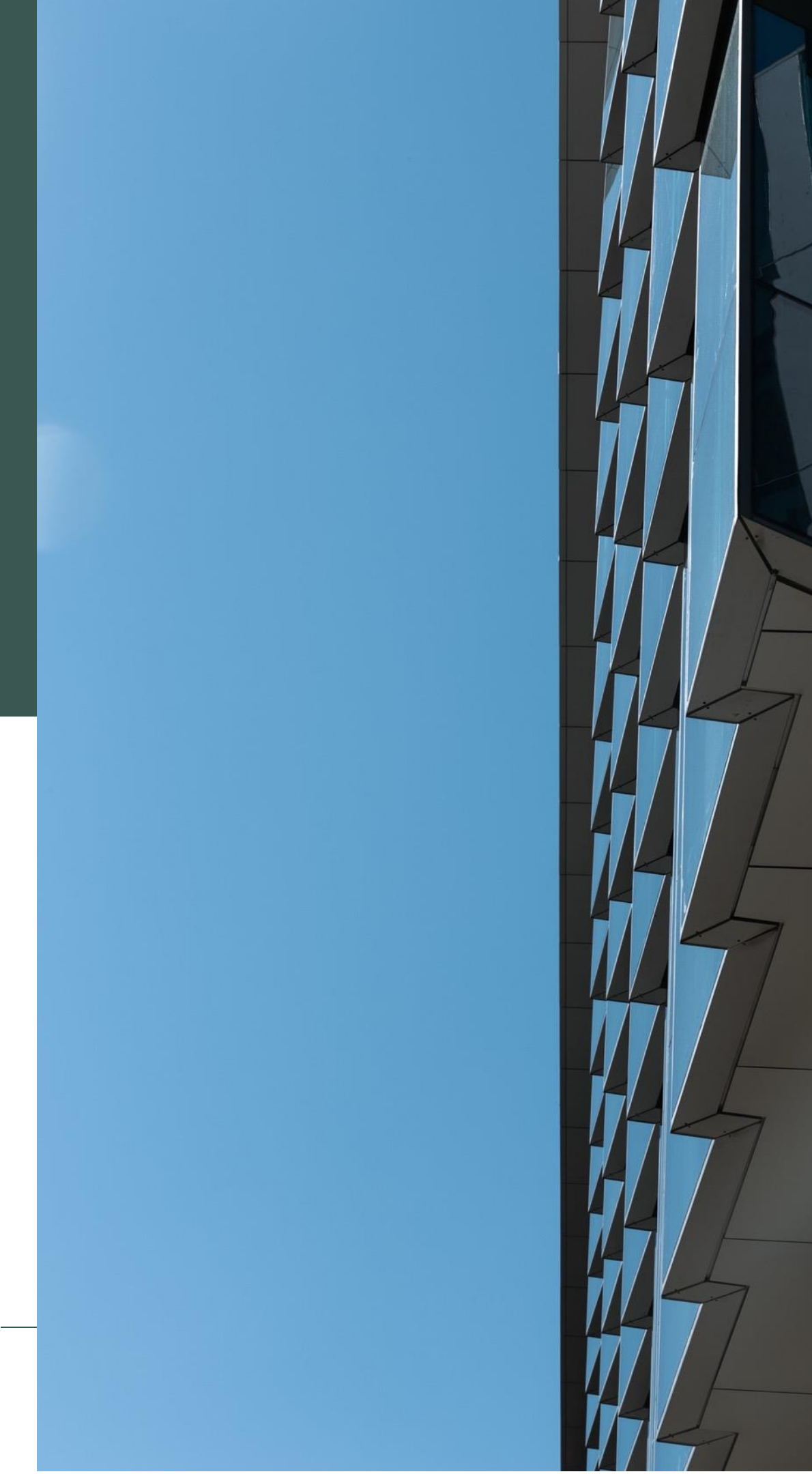
All PEET awards are contingent upon funding made available to the CCTSI from National Center for Advancing Translational Science (NCATS)/National Institutes of Health (NIH).

PEET Review Criteria

CCTSI PEET Review Panels will use the following criteria to evaluate proposed projects to see if they meet Demonstration Project minimum requirements:

1. Meets definition of a pragmatic-EHR embedded trial
2. Pragmatic clinical trial of interventions that are expected to impact patient health outcomes, with patient health outcomes assessed as either primary or secondary outcome measures
3. Not currently funded or underway
4. Conducted within UCHealth
5. Likely to be completed within 2 years of funding





PEET Review Criteria: Novel EHR Integration Features

CCTSI PEET Review Panel will evaluate potential for demonstration of novel EHR integration features:

1. Cohort identification
2. Recruitment
3. E-consent
4. Randomization/group assignment
5. Intervention delivery (including connection to external tools/resources)
6. Real-time trial data dashboards
7. Final data collection based on data commonly available in the EHR
8. Patient/participant-reported outcomes
9. Other (please specify)

PEET Review Criteria

Innovation

Builds upon the existing evidence in an innovative way; enables innovative approaches and/or infrastructure for the PEET program.

Rigor

Study design, methods, measures, data collection, and analysis are likely to lead to valid and generalizable conclusions. Includes UCHHealth EHR integration feasibility considerations, including LOS from clinical and community partners.

Expertise

Investigator(s) have demonstrated background, training, and expertise, appropriate for their career stage, to conduct the proposed work; institutional resources are appropriate to ensure the successful execution of proposed work.



Review Criteria for PEET Grant



CCTSI PEET Review Panels will use the following criteria to evaluate proposed projects to see if they meet PEET specific requirements:

1. Broad reach/potential for impact across UCHHealth regions
2. Ease of cohort identification
3. Experiences/engaged principal investigator and program manager (both of whom can commit substantive effort to the project)

Additional Guidance: Projects Commonly Confused

with PEET-Type Projects

Quality Improvement: Impact of EHR note templates on provider documentation time

Design: Internal study comparing documentation time before and after template rollout

Why this is not PEET: Not research (no randomization or external generalizability) and no patient-level outcomes assessed

Correlational Study: EHR-based analysis of statin use and cognitive decline

Design: Retrospective cohort study using EHR data to examine associations between statin prescriptions and cognitive outcomes

Why this is not PEET: Not a trial (no intervention tested)

Epidemiological Study: Tracking diabetes incidence across zip codes

Design: Using EHR data to map new diagnoses of type 2 diabetes by geographic region and demographic factors

Why this is not PEET: Not a trial (no intervention tested), and no patient-level outcomes accessed

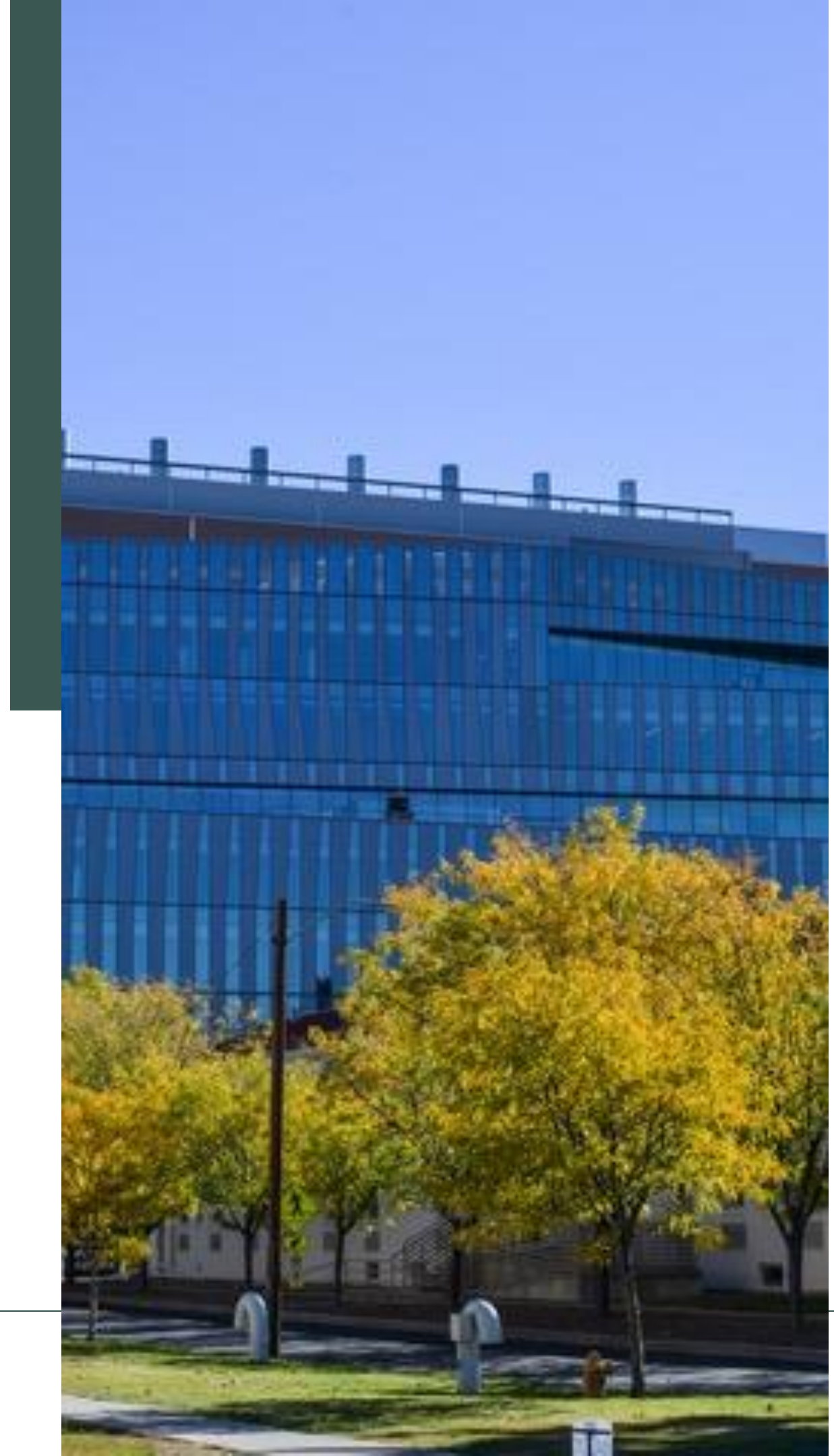




LOI Process

Sarah Kautz, Ph.D.

PEET Grant Program Coordinator



How to Submit the LOI

[Pragmatic Research
Resources](#)



[Early Life Exposures Research
Program \(ELEP\)](#)

[Dissemination and
Implementation](#)

[Pragmatic Research Resources](#)

[Cite Our Grant](#)

[Campus Research Resources](#)

[How Can We Help You?](#)

2026-2027 Key Dates

RFA Posted

August 21, 2026

Intent to Apply Opens

September 30, 2026

Informational Call #1

September 29, 2026
2:00 - 3:00 PM MT

Intent to Apply Due

October 23, 2026 by 11:59 PM MT

Informational Call #2

December 2, 2026
1:00 - 2:00 PM MT

Application Open

December 3, 2026

Applications Due

January 29, 2027 by 11:59 PM MT

Notice of Selection

Mid to late June 2027

Award Start Date



Pragmatic Trials
Resource
Navigation



Education



Consultations



Pragmatic EHR-
Embedded Trials

PEET Program Overview

The goal of the CCTSI's Pragmatic Electronic Health Record (EHR)-Embedded Trials (PEET) program is to establish infrastructure and procedures to facilitate pragmatic trials through EHR integration. PEET addresses clinical and translational science challenges by reducing the burden on participants, clinicians, and researchers in research approval and conduct. This is achieved through partnerships with health system and university research regulatory, informatics, and data science units. Community engagement in designing and implementing patient-centered materials and protocols aims to build trust and increase trial participation. Scientific advisory on pragmatic trial design, dissemination and implementation science, and community engagement enhances research rigor. PEET supports multiple EHR integration features, including streamlined resources for decentralized clinical trials (e.g., e-consent, portal-based patient recruitment), cohort identification, randomization, intervention delivery, trial accrual monitoring, and data collection and analysis.

To develop and refine processes for local approval and conduct of pragmatic, EHR-embedded trials, the PEET program funds pilot demonstration projects. Requests for Applications (RFAs) are made available each year for 2-year pilot trials. Current priorities relate to studies conducted in adult populations within UHealth.

Request for Applications (RFA)

The RFA describes eligibility and application requirements. The 2026-2027 RFA is available below.

[View the RFA Here](#)

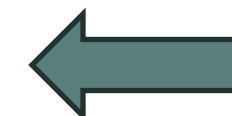
[View the Grant Application Checklist Here](#)

[View the Required Budget Template](#)

[View the PI Eligibility by Academic Rank Table](#)

[View the PRECIS-2 Scores and Figures](#)

[Intent to Apply](#)



Intent to Apply

Pragmatic Research
Resources



1. Descriptive title of proposed research
2. Principal investigator name, credentials, faculty rank, CCTSI partnering institution, and department/division
3. Multiple principal investigator name, credentials, faculty rank, CCTSI partnering institution, and department/division
4. A PDF document including the project title, PI name, and a concise description of the proposed project that describes the research question, study design, primary outcome(s), estimated sample size (based on health system numbers) and justification, including feasibility. If tables are used, the information contained within the table counts towards the word count.(Word limit: 1,000 words)
5. A checklist for PEET minimum requirements and EHR integration features
6. Applicants are encouraged to describe the pragmatic nature of the trial, proposed Epic/EHR integration features, feasibility of cohort identification and recruitment, potential for impact across UCHHealth, and any prior engagement of patients, community partners, or clinical partners.

Mandatory Intent to Apply form by Friday, October 23, 2026, by 11:59pm MT



Questions?



Email



Sarah.Kautz@cuanschutzh.edu