Health Systems Implementation Initiative (HSII) Webinar

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Welcome and Logistics

- Welcome – we're glad that you're here!

- Meeting logistics:
  - Please submit questions using the Questions/Chat box.
  - This meeting is being recorded. The recording will be posted to PCORI's website.
  - This slide deck will be posted to PCORI's website.

Health Systems Implementation Initiative (HSII)

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Dissemination & Implementation Program

Webinar
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PATIENT-CENTERED OUTCOMES RESEARCH INSTITUTE

Objectives

Goal for today:

- Introduce you to a new funding initiative in PCORI's Dissemination & Implementation (D&I) program.

The new initiative…

- ➢ Promotes the use of findings from PCORI-funded research in practice.

- ➢ Aims to work directly with **healthcare delivery systems** and **provider-aligned health plans** as applicants, to undertake implementation projects within their care delivery settings.

Today:

- About PCORI

- PCORI's work in Dissemination and Implementation of research findings

- Health Systems Implementation Initiative (HSII) – A new opportunity

- How will HSII work?

- Q&A

About PCORI

- An independent research institute authorized by Congress in 2010 and reauthorized in 2019

- Governed by a 21-member Board Governors representing the entire healthcare community

- Funds comparative clinical effectiveness research (CER) that engages patients and other stakeholders throughout the research process

Research Done Differently

- Our research seeks answers to real-world questions about what works best for patients based on their circumstances and concerns — which traditional healthcare research has often left unanswered

- We engage patients, caregivers, clinicians, insurers, employers, and other stakeholders throughout the research process.

- We aim to produce evidence that can be easily applied in real-world settings.

…. to make it more likely that we'll get the research questions right and that the study results will be useful and taken up in practice.

PCORI's Mandate

"The purpose of the Institute is to **assist patients, clinicians, purchasers, and policy-makers in making informed health decisions** by advancing the quality and relevance of evidence… through research and evidence synthesis…

… and the dissemination of research findings with respect to the relative health outcomes, clinical effectiveness, and appropriateness of the medical treatments, services…"

— from PCORI's authorizing legislation

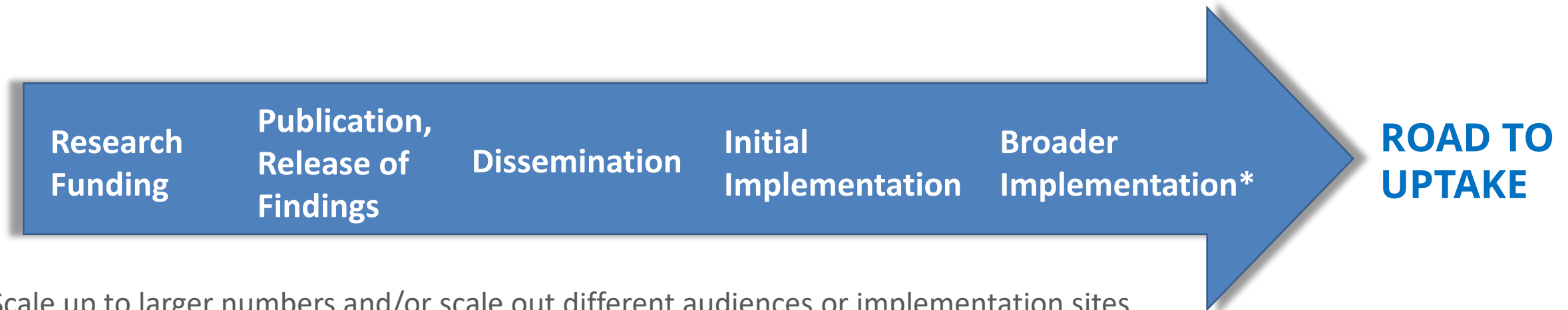# Why an emphasis on dissemination and implementation of research results?

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- It now takes an **average of 17 years** for new knowledge generated by randomized controlled trials to be incorporated into practice, and even then, application is highly uneven. (IOM 2001)

- [O]n average, **Americans receive about half of recommended medical** care processes....the gap between what we know works and what is actually done is substantial. (McGlynn; NEJM 2003)

- Despite the demonstrable benefits of many new medical discoveries, we have done a **surprisingly poor job of putting research findings into practice**. The ultimate goal of new discoveries is to enhance human health, yet most discoveries are slow to or never fulfill this promise. (Glasgow; NIH 2012)

Dissemination & Implementation at PCORI

Research Funding → **PUBLICATION**

Traditionally, research funders have focused on publication as the end-goal of research.

PCORI is committed to extending the pathway from funded research through dissemination and implementation – to assure that findings from research **are used to improve health care and health**.

Research Funding | Publication, Release of Findings | Dissemination | Initial Implementation | Broader Implementation* → **ROAD TO UPTAKE**

*Scale up to larger numbers and/or scale out different audiences or implementation sites

Health Systems Implementation Initiative (HSII) opportunity

Current approach supports investigator teams with close ties to clinics, hospitals, and other healthcare settings where their implementation projects are underway. (40 projects; ~$55m)

New initiative to enable PCORI to support **healthcare delivery systems and provider-aligned health plans directly,** to lead the uptake of PCORI-funded evidence within care settings.
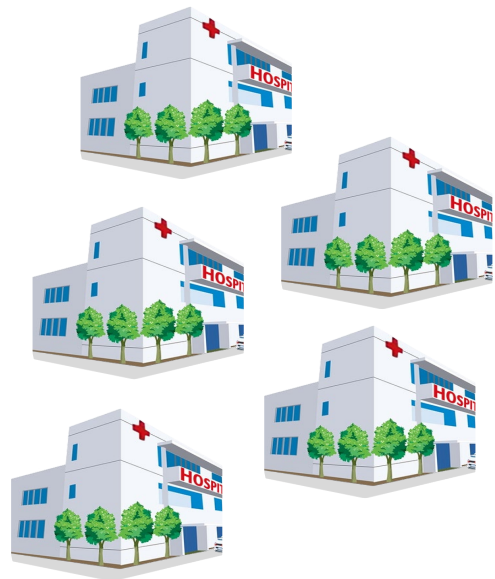
Goals:

- Engage the **comprehensive expertise and reach** that reside in healthcare delivery systems

- Integrate implementation efforts **into health system operations** to facilitate changes in practice and enhance their sustainability

- **Speed the uptake** of evidence by working directly with systems to standardize changes in care

- Lay the groundwork for further scale-up **within and beyond participating health systems** by adapting approaches, demonstrating pathways to uptake, and evaluating implementation to document success or gaps
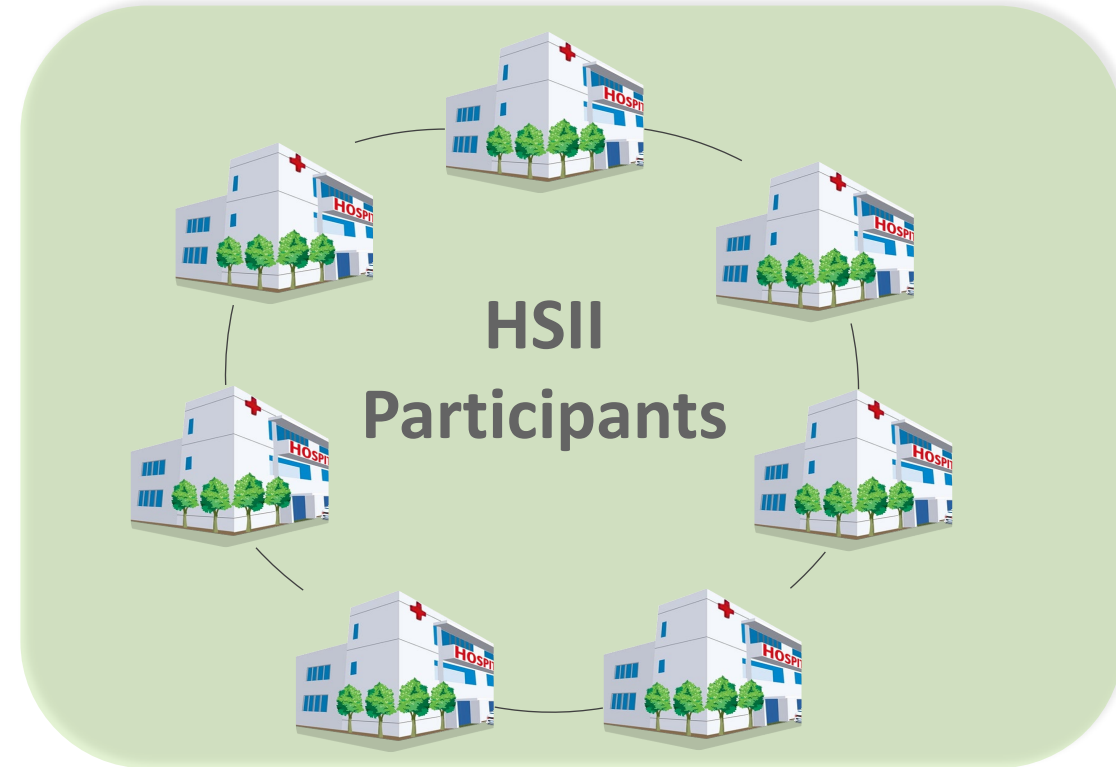
What does it take to get implementation done?

- Full commitment from organizational leadership

- Multicomponent implementation strategies

  o Includes such components as practice facilitation, technical assistance, EHR-based prompts or other tools, development of designated staff champions, audit-and-feedback, training, and learning collaboratives

- Alignment of organizational incentives

- Involvement of relevant operational units, including buy-in from frontline staff

- Evaluation (for course correction and to assess effectiveness)

How HSII Will Work: Two-Step Process

STEP 1:
Health Systems
Apply to Join HSII

HSII
Participants

STEP 2:
HSII Participants Propose
Implementation Projects

| Implementation Project | Implementation Project | Implementation Project | Implementation Project |

Eligibility: Who Can Apply to be Part of HSII?

- Healthcare delivery systems

- Provider-aligned or integrated health plans

  ➤ May draw on existing care management, population health, or other programs and initiatives across systems.

  ➤ Systems might include ambulatory care, emergency departments, urgent care, inpatient hospitals, primary care, specialty clinics, small or large specialty or multi-specialty group practices, research and academic affiliate hospitals, long-term care, critical access hospitals (CAH) and other rural health systems, and Federally Qualified Health Centers (FQHCs) or other community-based health centers.

HSII Implementation Project – Illustration
Improving Antibiotic Prescribing for Children in Outpatient Settings

- PCORI-funded research confirmed the benefit of appropriate use of narrow- versus broad-spectrum antibiotics for treating Acute Respiratory Tract Infections (ARTIs). But broad-spectrum antibiotics are still overprescribed, particularly in outpatient settings.

- **PCORI-funded implementation project** currently underway adapts tested antibiotic stewardship program and implements in outpatient settings at 5 health systems

Program includes:

- **Online clinician education modules** on appropriate prescribing, diagnosing ARTIs, provider-parent communication

- Site-based **practice champions** to provide support, encouragement, and troubleshooting

- Integrated use of **EHR-based clinician audit-and-feedback** report cards comparing prescribing within and across practice settings

HSII Implementation Project Illustration, cont.

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Reach of current project:

- **5 health systems** in PA, OH, FL; 115 sites including primary care, family practice, pediatric, and urgent care; 900 frontline clinicians

- 357,000 children (6 mos-12 yrs) with ARTIs, 1.3 million visits annually

- The project includes evaluation to document the use of feedback reports and changes in antibiotic prescribing rates.

NEXT….

- Once completed, this multi-component program could be the focus for a call for **HSII Implementation Projects.**

- HSII participants would have the option to submit a proposal for funding to support implementation of this program in their health system, and to evaluate its success.

Preparing for Implementation Projects: Supports for HSII Participants

- **Learning Network** for HSII participants
  - Opportunity to share best practices
  - Provide input to PCORI on potential implementation opportunities.

- **Capacity-building funds** available to HSII participants during first 18 months after joining.
  - To support activities that will strengthen organizations' capacity to undertake implementation efforts

  Could include, e.g.:
  - Developing internal teams that will oversee and manage implementation project
  - Strengthening partnerships with stakeholder groups to support change and enhance sustainability

PCORI Request for Information (RFI)

- PCORI has posted a **Request for Information** (RFI)
  - ➤ Describes HSII
  - ➤ Poses a specific set of questions
  - ➤ Invites responses to questions and general comments

- Responses to the RFI are due by **July 15, 2021**.

- Download the RFI at **www.pcori.org/HSII-RFI**

PCORI Request for Information (RFI)

Includes request for general feedback and input on specific questions including:

- **Delivery System Attributes & Reach**

  o What are important characteristics of a health system to be successful in this initiative? Appropriate expectations regarding "reach" – number and diversity of patients served?

- **Implementation Projects**

  o What funding level(s) would be attractive to health systems considering applying? Realistic time period for successfully undertaking a project?

- **Capacity Building**

  o What level of seed funding (e.g., $500k) will provide meaningful support to health systems building their capacity for successful implementation projects?
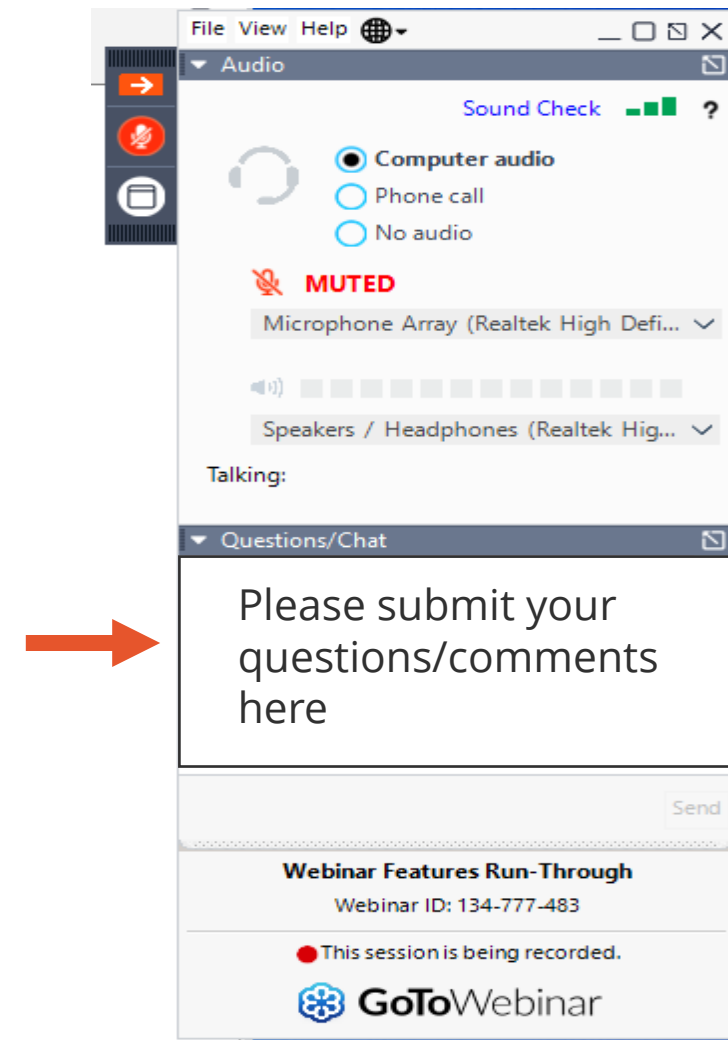
HSII Projected Timeline

Upcoming Dates	
PCORI issues **Request for Information (RFI)** to gather input on HSII	May 20, 2021
RFI Responses Due	**July 15, 2021**
PCORI issues a Call for Proposals for organizations to apply to **participate in HSII**	~Fall 2021
PCORI announces HSII Participants	~Spring 2022
PCORI initiates Calls for Proposals for HSII Participants to propose topic-specific **Implementation Projects**	~Fall 2022/ Winter 2023

Questions and Comments

Please include questions or comments in the Questions box.

Thank You!

Send your questions and RFI responses to **HSII-RFI@pcori.org**

For more information visit **www.pcori.org/HSII-RFI**