



# Introducing the ePCT Case Studies

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***Collaboratory ePCT Training Workshop***

# Featuring 2 of the 9 NIH Collaboratory Demonstration Projects

- STOP CRC:
  - Strategies and Opportunities to Stop Colorectal Cancer in Priority Populations
  - Gloria Coronado, Co-Principal Investigator
- TSOS:
  - A Policy-Relevant U.S. Trauma Care System Pragmatic Trial for PTSD and Comorbidity (Trauma Survivors Outcomes and Support)
  - Doug Zatzick, Principal Investigator

# STOP CRC overview

**Question:** Does an evidence-based, culturally tailored approach increase colorectal cancer (CRC) screening in clinics that serve minority and low-income populations?

**Setting:** 26 federally qualified health center clinics

**Population:** 40,000 adults aged 50-74 with no evidence of recent CRC screening

**Intervention:** Cluster-randomized, EHR-linked, data-driven program tracks eligibility, mails fecal immunochemical test kits, tracks patient test results & follow-up

**Outcome measures:** CRC screening rates by age, sex, insurance status, ethnicity, race

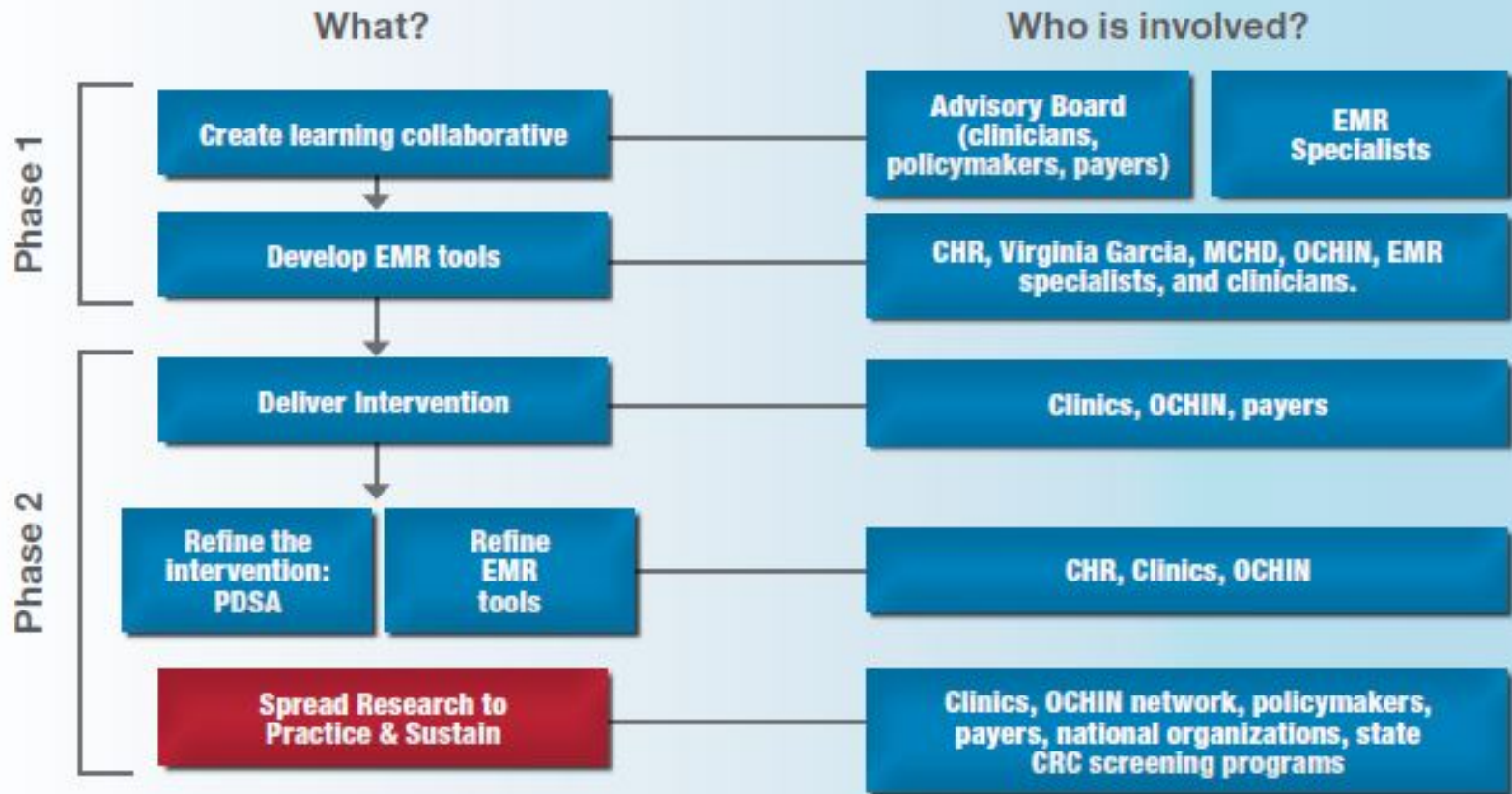
**Relevance:** Results will provide valuable information on how to use EHR resources to optimize guideline-based screening

# STOP CRC ePCT characteristics

- Goal: Increase rate of CRC screening in underserved patients
- Pragmatic design:
  - Broad patient eligibility
  - Comparative effectiveness intervention
  - Cluster randomization
- Embedded across 26 federally qualified health centers
- Data driven:
  - Uses EHR to identify eligible patients & generate test kit mailings
  - Uses EHR to track CRC-related outcomes using routine processes of care
- Leverages existing clinic staff

# Study snapshot

## STOP CRC Activities



# TSOS overview

**Question:** Is a collaborative care intervention more effective than usual care in reducing PTSD and related symptoms and improving physical function?

**Setting:** 25 level I trauma centers across United States

**Population:** 960 adult patients with PTSD and related conditions

**Intervention:** Intervention training & support targets trauma center-based screening and treatment for PTSD and related conditions as well as care coordination from trauma center to primary care & community settings

**Outcome measures:** Change in scores on civilian PTSD checklist, patient health questionnaire depression scale, alcohol use disorders scale & short form physical function scale

**Relevance:** Results will be incorporated in the American College of Surgeons' regulatory policy for trauma care

# TSOS: multiple potentially chronic conditions & the need for trauma center-to-community linkage

## Traumatic injury:

- PTSD, depression, suicidal ideation
- High-risk behaviors (eg, alcohol)
- traumatic brain injury, all common

Patients “sail off of a flat earth” after trauma center care





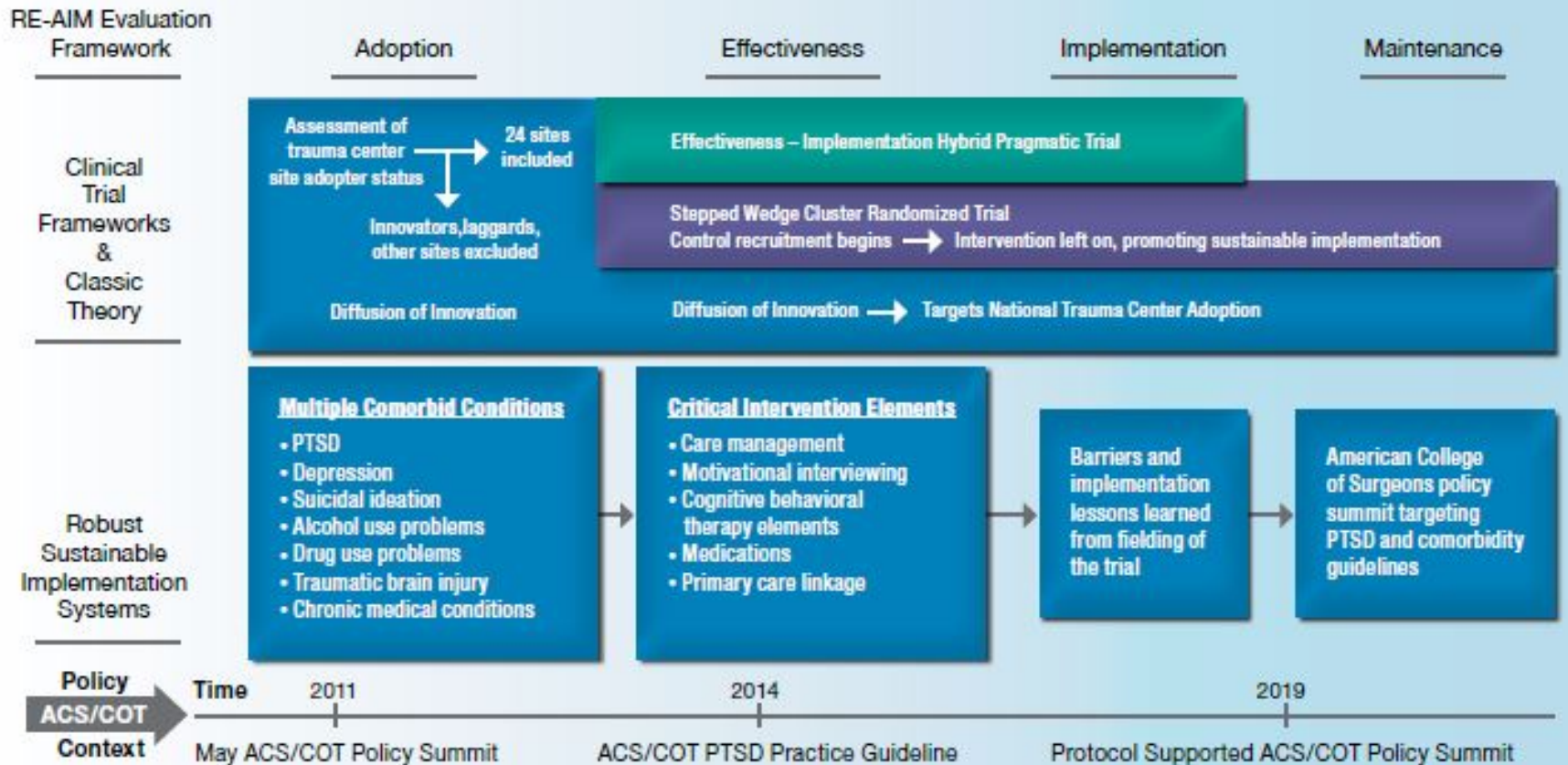
# TSOS ePCT characteristics

- Goal: Directly inform national trauma care system policy
- Pragmatic design:
  - Comparative effectiveness intervention
  - Stepped-wedge cluster randomization
  - Hybrid effectiveness-implementation framework, emphasizing sustainability
- Embedded in 25 U.S. level I trauma center sites
- Data driven: Uses EHR to conduct high-quality screening of patients



# TSOS study snapshot

## TSOS Effectiveness-Implementation Hybrid Pragmatic Trial Framework



# American College of Surgeons Regulatory Policy Targeting PTSD & Comorbidity

