



Prevention Research Centers Program Research Model

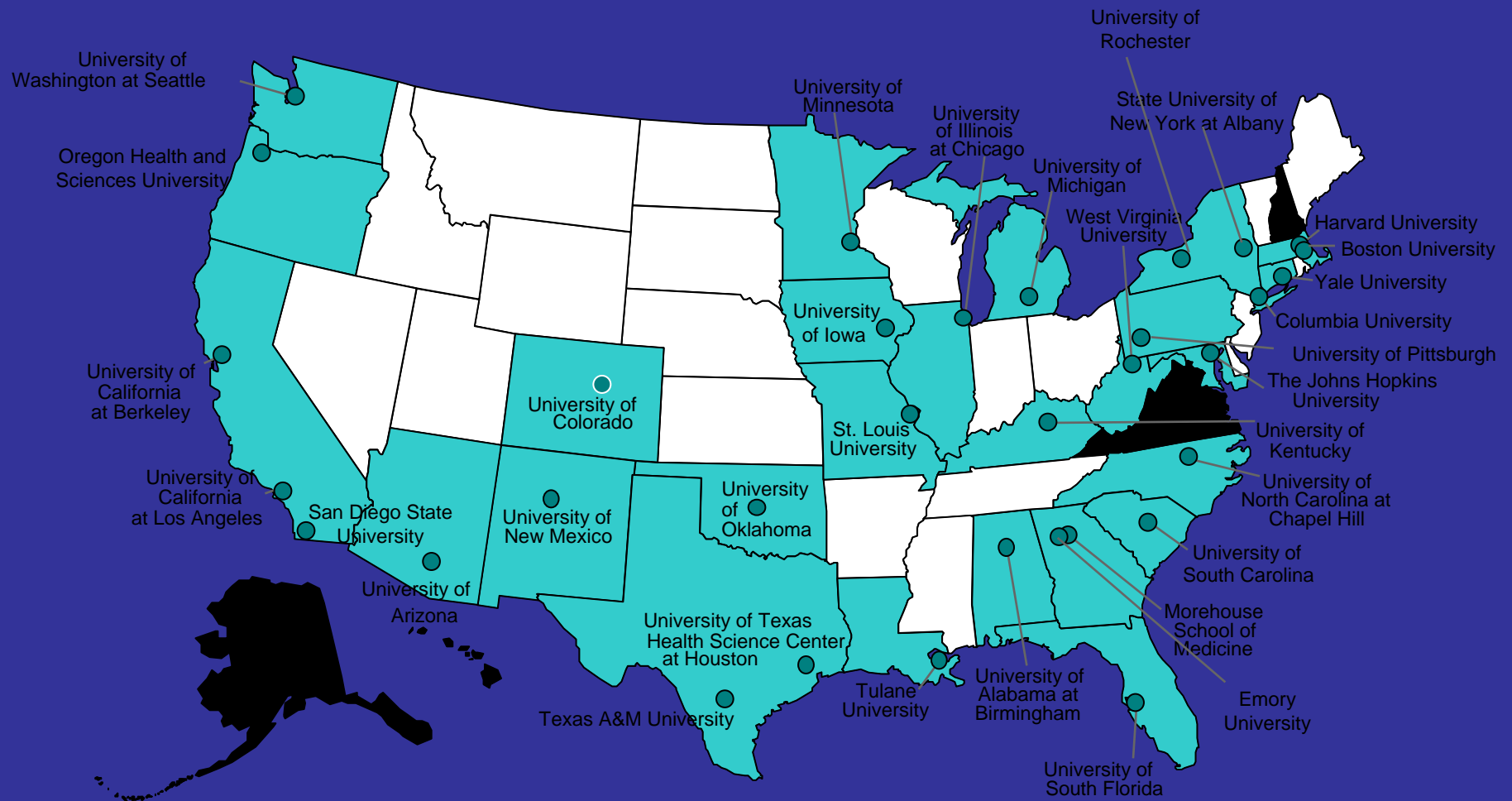
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Program Director

Prevention Research Centers Program

National Center for Chronic Disease Prevention and Health Promotion

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Prevention Research Centers



Prevention Research Centers Collaborators

- Multidisciplinary, academic researchers
- State and local public health practitioners
- Community partners

Prevention Research Centers Requirements

- Community-based participatory research (CBPR)
- Designed for translation and dissemination
- Accountable

Prevention Research Centers CBPR

- Permeates all steps of research
- Ties with an underserved community
- Philosophy of partnership
- Guidance from a community committee

Prevention Research Centers Meeting with a Community Advisory Board



Prevention Research Centers Community Partners

- African Americans and Latinos in Harlem
- Public housing residents in Boston
- Mexican Americans on the U.S.-Mexico border
- Underserved families in the Rocky Mountain region
- Korean Americans on the West Coast
- Migrant workers in South Florida
- American Indians in New Mexico

Prevention Research Centers

Health Issues

- Aging
- Healthy youth and school health
- Conditions such as asthma, arthritis, and epilepsy
- Health threats such as obesity and cancer
- Promotion of physical activity and healthy diet
- Prevention of HIV/AIDS
- Oral health
- Vision and hearing impairment

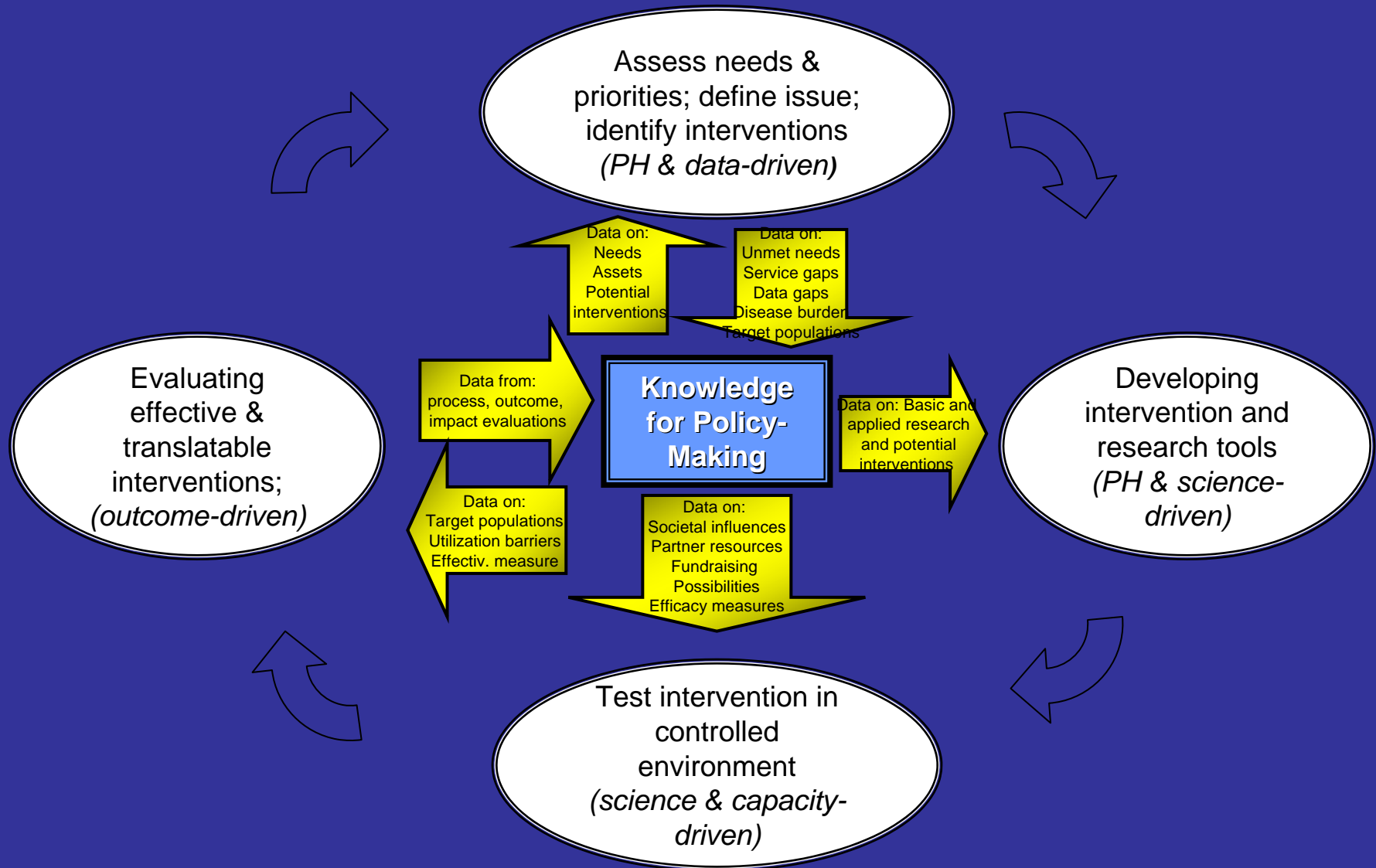
Prevention Research Framework

Prevention Research Center Program

Research Phases:

- **Formative Phase**
 - Define health problem and needs
 - Identify interventions
- **Process Phase**
 - Formative evaluation
 - Test tools
- **Summative Phase**
 - Efficacy trials
 - Effectiveness/Translation studies
 - Dissemination research
- **Disseminate Research**

Framework for Prevention Research: A Community Driven Approach



Define the health problems and assess community health needs

- Conduct surveys and focus groups
- Surveillance data analysis
- Consult with community
- Additional qualitative methods
- Understanding of the problem
- Train each other about key factors

Decide on the most promising interventions

- Design new interventions
- Review the scientific literature
 - Community guide
 - US Task Force on Preventive Services
 - PRC related research
- Consider :
 - acceptance by the community
 - feasibility of the activity
 - sensitivity to cultural mores

Pilot test the intervention

- Create and test:
 - Educational materials, questionnaires,
 - Skill-building sessions
 - Other intervention tools and techniques
- Assess intended audience's response
- Assess reliability of tools & potential validity of outcomes

Deliver and test the intervention

- Recruit representative sample
- Evaluate intervention effect in controlled environment
- If the intervention *not efficacious* - report lessons learned and make changes for further testing.
- If *efficacious* - move to the next step.

PRC Interventions Trials

- **Randomized or quasi-randomized trials**
- **Interrupted time series (ITS)**
 - defined intervention
 - 3 points in time with before and after
- **Non-randomized studies with controls at second site**
 - data collected before and after the intervention
 - key to interpretation hinges on site comparability

Test effectiveness/translatability of intervention

- Evaluate intervention effect
 - Meaningful public health impact
 - Real setting
 - Large and representative population
- Assess
 - Validity of outcomes
- If intervention effective, move to the next step.

PRC Translation Trials

- Non-Experimental Quantitative Research
- Experimental Quantitative Research
- Evaluations

Conduct Dissemination Research

- Is intervention sustainable for long period?
- If not, what contributed to the loss of effect?
- Can the intervention be validly replicated elsewhere/other sub-populations?
- What conditions influence its adoption?

Dissemination

- **Share information** with researchers, practitioners, and communities involved
- **Tailor communication**
- **System approach**
 - Plan dissemination in formative phase
 - Portal that facilitates adoption
 - Technical assistance
 - Training
 - Strong partners

So What?

- Supporting evaluation
- Leveraging resources
- Research and Training outputs
- Public health interventions
- Potential for collaboration in addressing health disparities



Prevention Center Program Web Site



www.cdc.gov/prc

PRC - CDC's Prevention Research Centers Program - Microsoft Internet Explorer

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PRC A network of academic researchers, public health agencies, and community members that conducts applied research in disease prevention and control.

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What is Prevention Research?

How does prevention research help communities and public health agencies? Find the answers in the booklet [A Bridge to Health Action](#). (PDF-659K)

What makes the PRCs unique?

What partners do PRCs work with to keep their research

NEWS

- [PRCs' Training Catalog Updated](#)
- [National Community Committee's First Quarterly Newsletter Now Available](#)
- [Updating the Public Health Workforce](#)

PRC Info System

Local intranet

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