



Cohort Overview

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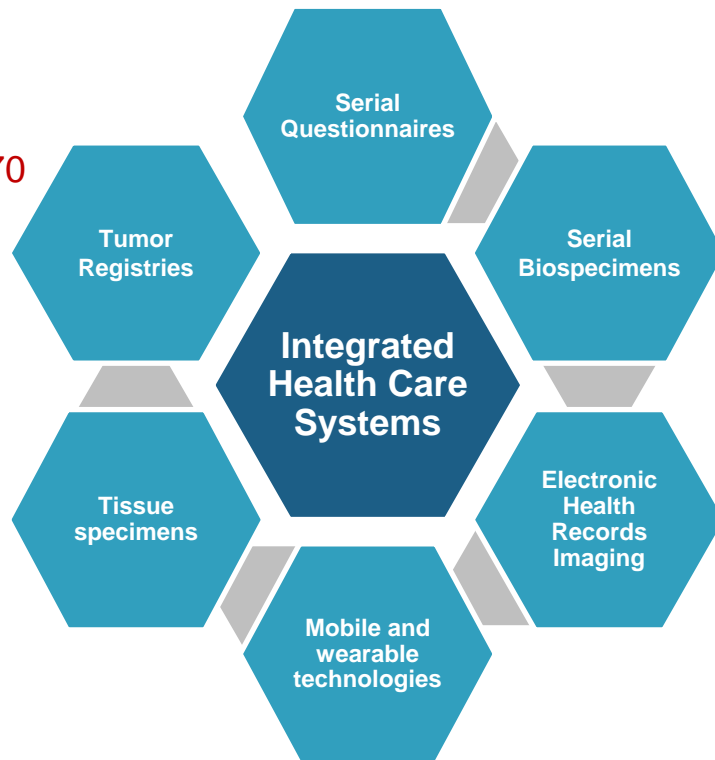
Trans Divisional Research Program
Division of Cancer Epidemiology and Genetics
National Cancer Institute



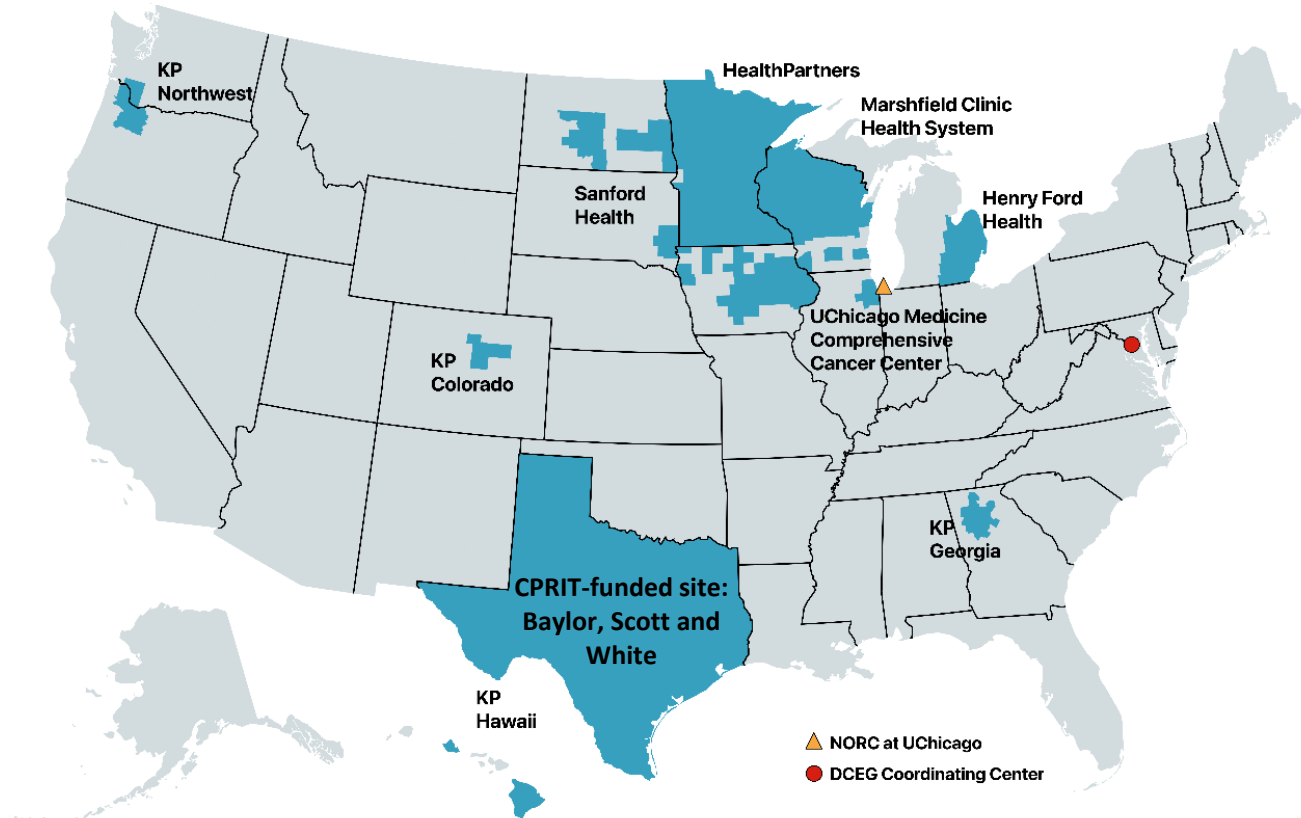
September 5, 2023

Key Study Design Features of Connect

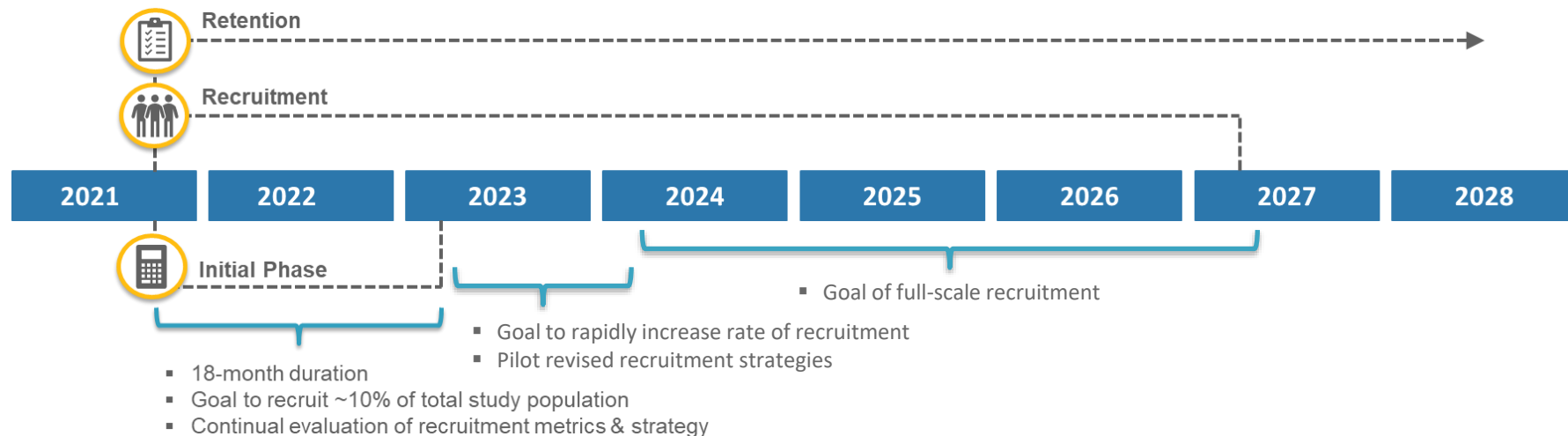
- ▶ 200,000 adults across the US
 - ✓ Aged 40-65 years – **Planned (Jan '24) expansion 30-70**
 - ✓ No history of cancer
 - ✓ Patients or members of partner health care systems
- ▶ Long-term follow-up
- ▶ Serial assessments
- ▶ Comprehensive cancer outcomes
- ▶ Flexible infrastructure for enhancement studies



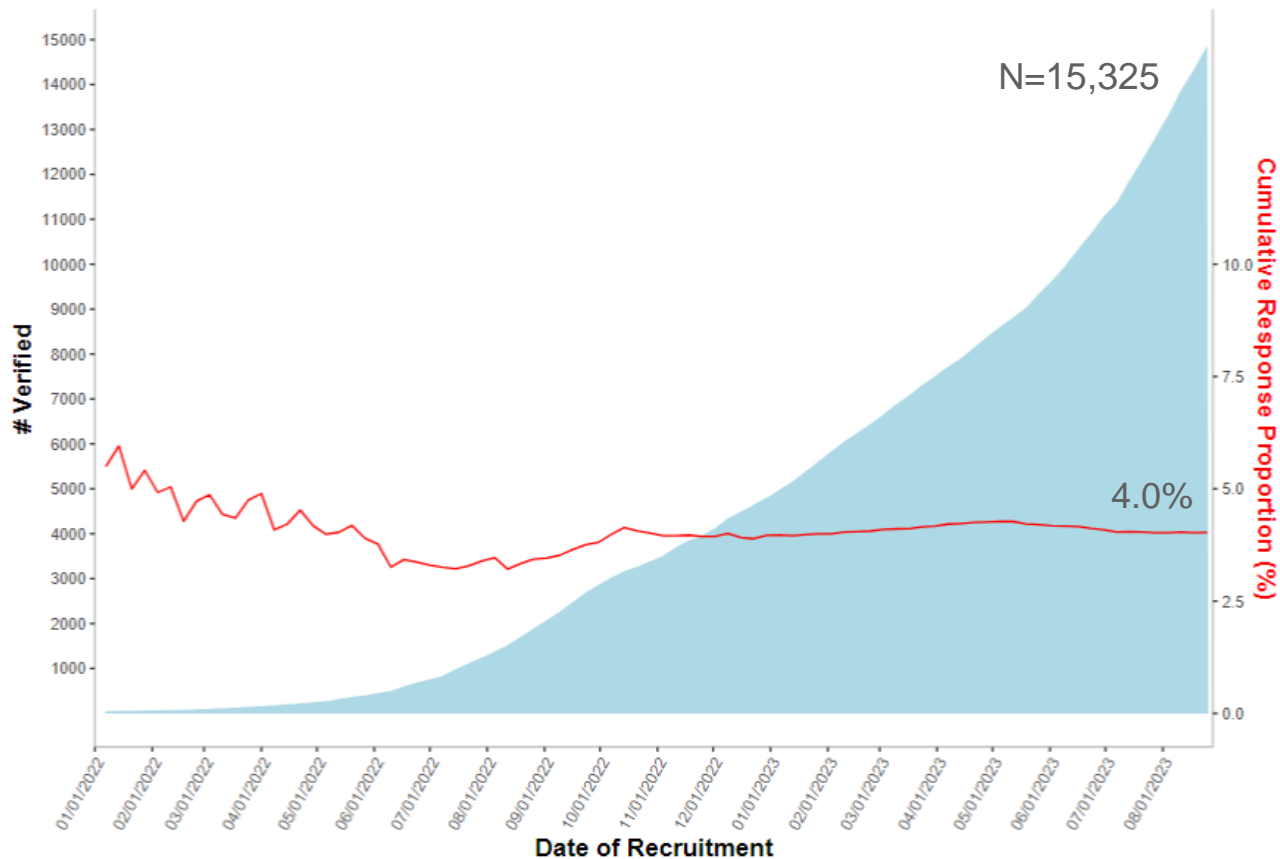
Expansion of recruitment to CPRIT-funded site expected to increase diversity of catchment population



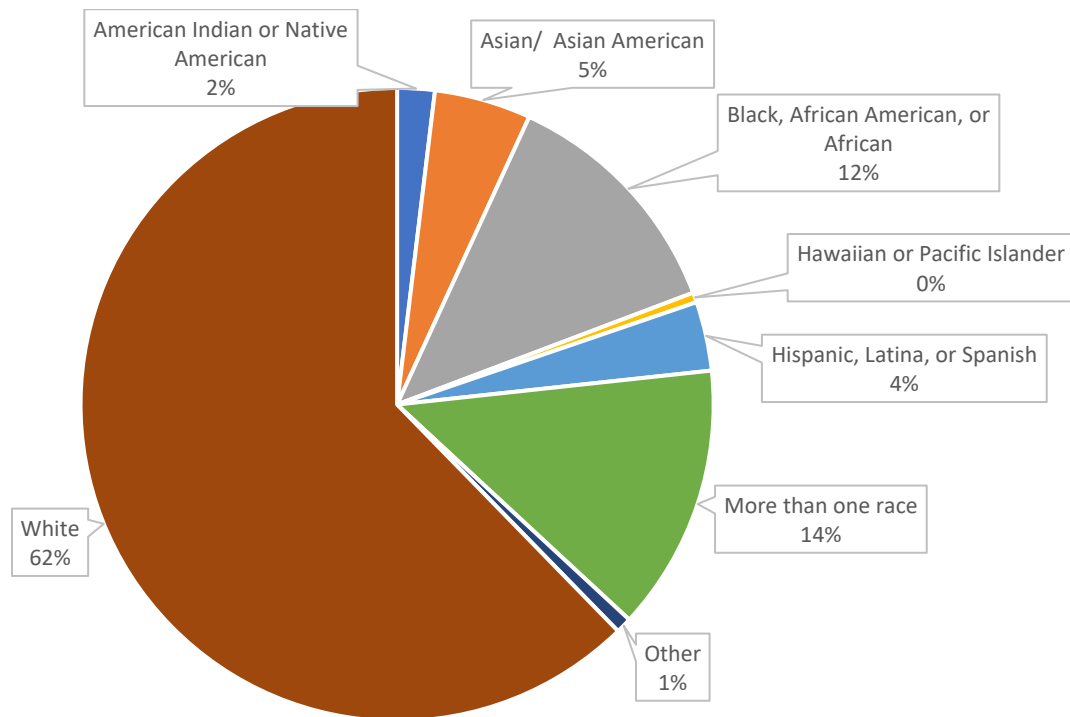
Currently, scaling up recruitment



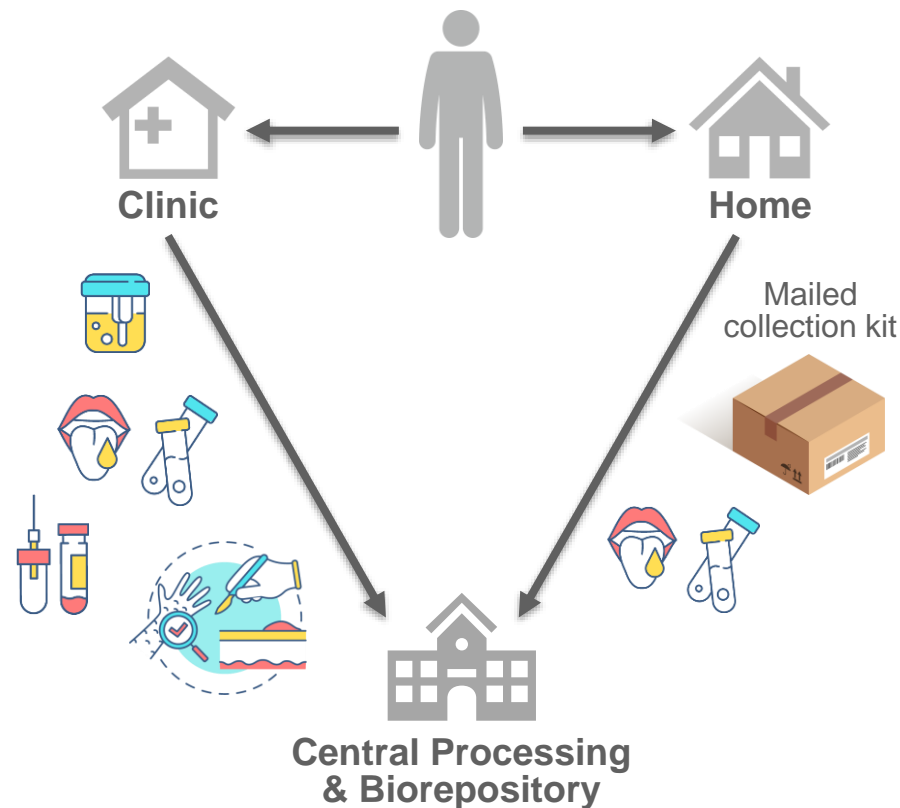
Current Number of Verified Participants and Response Proportion



Distribution of Race & Ethnicity (%) Among Connect Verified Participants



Biospecimen Collections at Recruitment



	No. Tubes	Fraction	Tube Type
Buccal	1		Saliva-mouthwash kit
Blood	2	Serum	10ml Red top
	1	Plasma/buffy coat	10ml Lavender top (EDTA)
	1	Plasma/buffy coat	10ml Green top (Heparin)
	1	Whole blood	6ml ACD
Urine	1		10ml Urine kit
Tissue			Precursor tissue blocks, if available

Baseline Surveys

Background and Overall Health

- Background Information
- Medical History
- Family History of Cancer
- Education and Occupation

Medications, Reproductive Health, Exercise, Sleep

- Medications
- Pregnancy History
- Physical Activity
- Sleep

Smoking, Alcohol, Sun Exposure

- Tobacco
- Marijuana
- Alcohol
- Sun Exposure

Where You Live and Work

- Residential History
- Commuting

First Survey

This survey is split into four sections that ask about a wide range of topics, including information about your medical history, family, work, and health behaviors. You can answer all of the questions at one time, or pause and return to complete the survey later. If you pause, your answers will be saved so you can pick up where you left off. You can skip any questions that you do not want to answer.



Background and Overall Health

Questions about you, your medical history, and your family history.

Start

Estimated Time: 20 to 30 minutes



Where You Live and Work

Questions about places where you have lived and worked, and your commute to school or work.

Start

Estimated Time: 20 to 30 minutes



Medications, Reproductive Health, Exercise, and Sleep

Questions about your current and past use of medications, your exercise and sleep habits, and your reproductive health.

Start

Estimated Time: 20 to 30 minutes



Smoking, Alcohol, and Sun Exposure

Questions about your use of tobacco, nicotine, marijuana, and alcohol, as well as your sun exposure.

Start

Estimated Time: 20 to 30 minutes

Surveys Accompanying Biospecimen Collection

Blood & Urine

- Recent exposures to food, drink, pharmaceuticals
- Reproductive Health
 - Last menstrual period date



Menstrual Cycle

- Next menstrual period date

Mouthwash

- Oral health and care
- Recent exposures to toothpaste, mouthwash, gum, tobacco
- Permanent teeth lost

COVID-19

- Exposure
- Complications
- Long-COVID
- Vaccination

Surveys available in MyConnect

Baseline	Background & Overall Health	Demographics, medical history, family history of cancer, education & occupation
	Medications, Reproductive Health, Exercise, Sleep	OTC/rx, menstrual cycle, pregnancy, fertility, hormonal meds & contraception, physical activity, shiftwork
	Smoking, Alcohol, Sun Exposure	Tobacco/nicotine, marijuana, alcohol, tanning
	Where You Live & Work	Residential, seasonal, & childhood addresses, water source, tap water intake, work & school commute
	SSN	Full or partial SSN
Biospecimens	Blood, Urine, Mouthwash (Research Appt)	Symptoms/behaviors on day of donation, meds/antibiotics, recent reproductive health, oral hygiene & health
	Blood/Urine (Clinical Collection)	Symptoms/behaviors on day of donation, meds, recent reproductive health
	COVID-19	# Infections, symptoms, hospitalization, vaccination
	Menstrual Cycle Survey	Last period, triggered by research appt/clinical collection response

Surveys In Development

Participant Experience	MyConnect, study communications, activities completed, overall experience, motivation for joining
Cancer Screening History	Organ Inventory (born with/current), history of cancer screening tests
Cancer Diagnosis Surveys (17)	Dx, symptoms, Patient-Provider interaction, medical history repeat assessment
Menstrual & Intimate Care Products	Vaginoplasty, powder, douching, vaginal cleansing products, menstrual products
Fecal Collection	Donation, bowel movements, meds, supplements, probiotics
Social Determinants of Health (SDOH)	Discrimination, police interaction, medical mistrust, social support, and financial, food, and housing insecurity
Hair Products	Dyes, relaxers, straighteners, perms, oils
Menstrual Experience Survey	Menstrual problems, endometriosis dx and treatment
Mothballs & Scented Products	Household exposure to p-DCB & Napthalene

Detailed Status Available [Here](#)

Planned Survey Cadence

6 Months	Within 24 Months	12 Months	2 Years
<ul style="list-style-type: none">• Diet food frequency questionnaire (DHQ)	<ul style="list-style-type: none">• Repeated 24-hour recalls for diet (ASA24) and physical activity (ACT24)	<ul style="list-style-type: none">• Screening History• Quality of life (PROMIS)• Psychosocial• Social determinants of health	<ul style="list-style-type: none">• Baseline exposures repeat assessment• Consumer products (Menstrual & intimate care, Hair, mothballs & scented)• Menstrual experience (Endometriosis)

3-6 Months Post-Cancer Diagnosis Rapid Case Ascertainment

- Cancer Diagnosis Surveys (Dx, symptoms, patient-provider interaction, medical history)
 - Quality of life (PROMIS: repeat assessment & patient specific)