



# Cohort Overview

**Mia M. Gaudet, Ph.D.**

Connect Senior Scientist

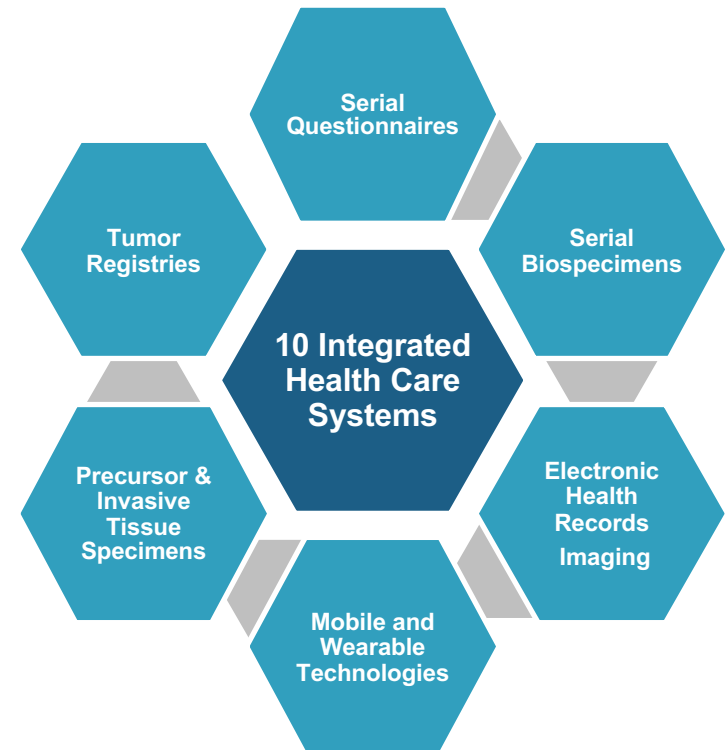
Trans Divisional Research Program  
Division of Cancer Epidemiology and Genetics  
National Cancer Institute



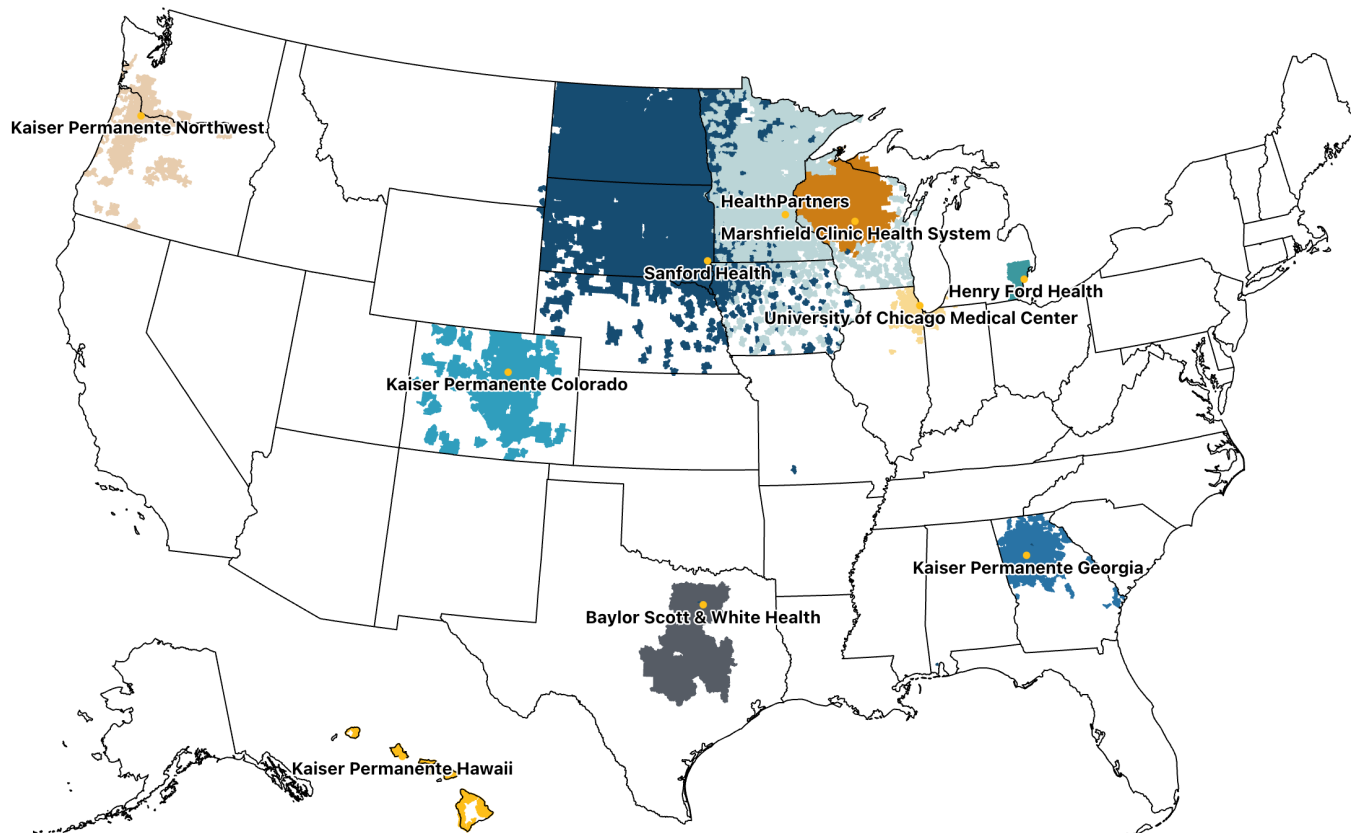
April 19, 2024

## Key Study Design Features of Connect

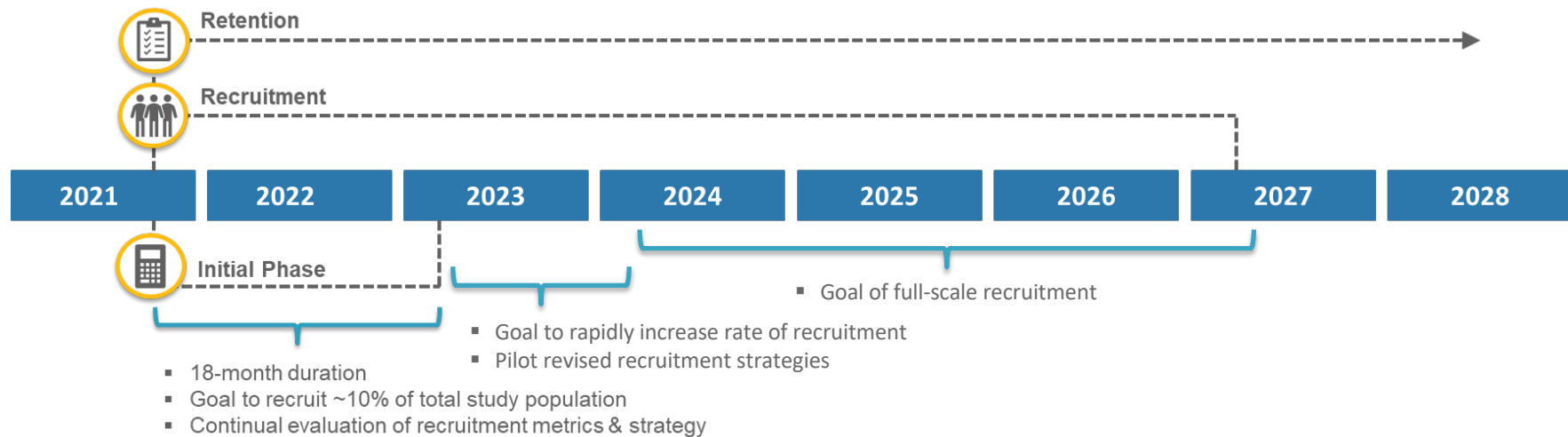
- ▶ 200,000 adults across the US
  - ✓ Aged 30-70 years
  - ✓ No history of cancer
  - ✓ Patients or members of partner health care systems
- ▶ Defined catchment population
- ▶ Long-term follow-up
- ▶ Comprehensive cancer and precancer outcomes
- ▶ English and Spanish (by Summer 2024) content
- ▶ Flexible infrastructure for enhancement studies



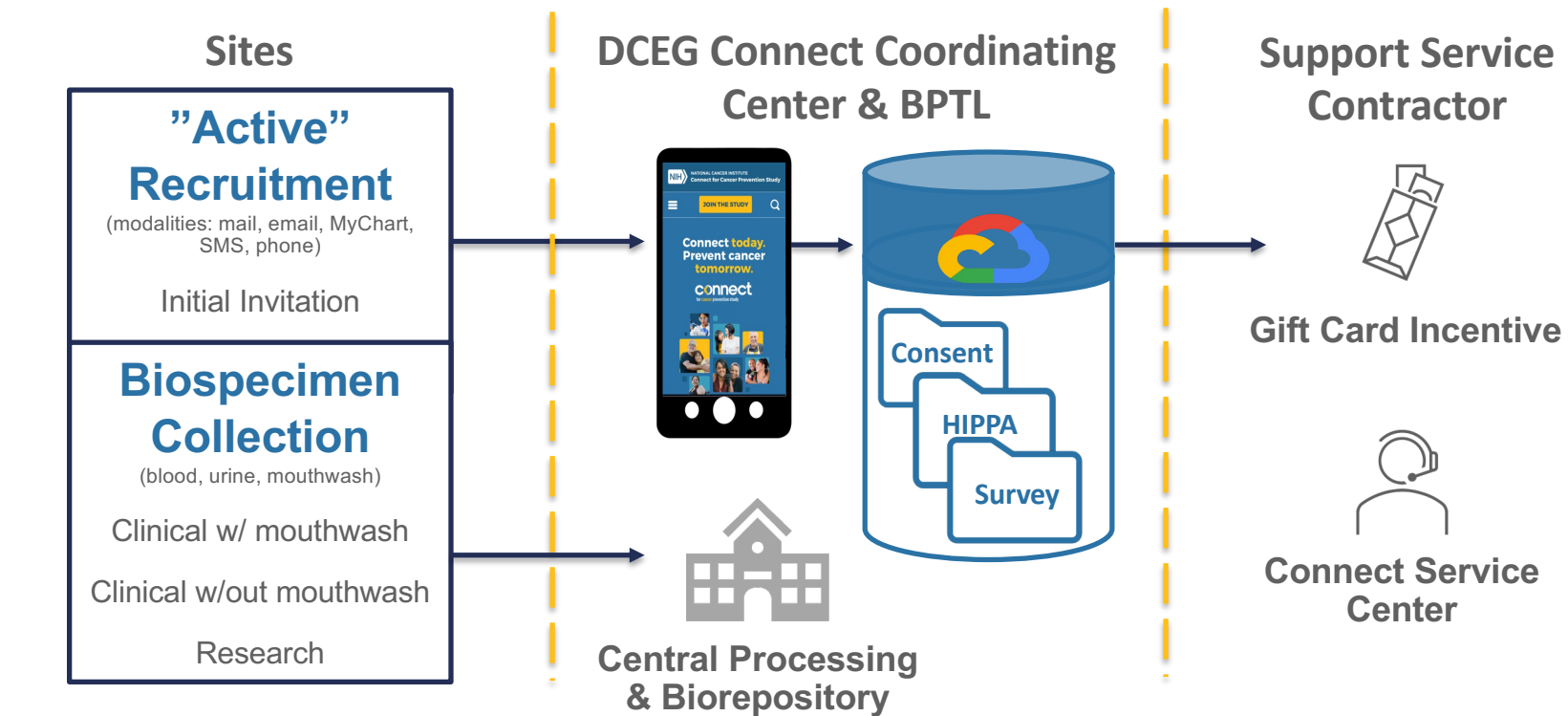
## Recruitment through 10 U.S. Integrated Health Care Systems



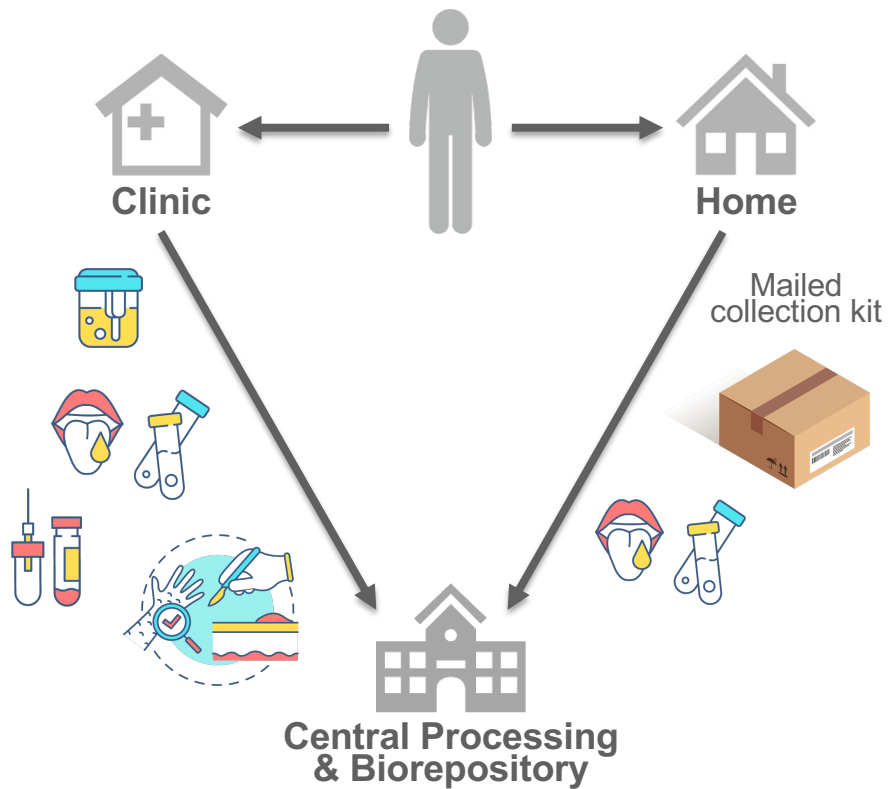
## Currently, scaling up recruitment



## Overview of Recruitment and Biospecimen Collection

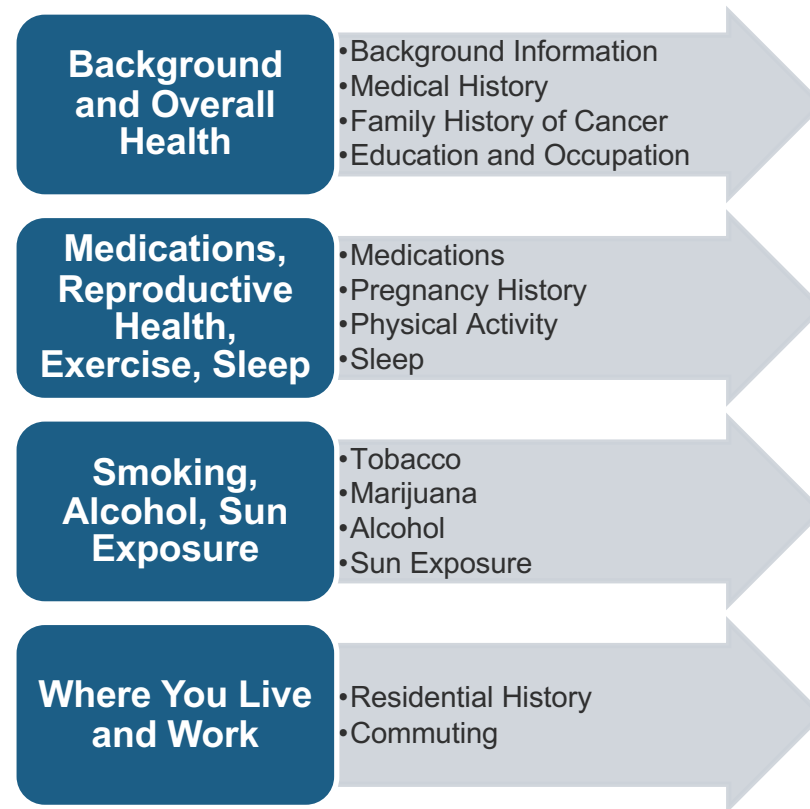


## Biospecimen Collections at Recruitment



|               | No. Tubes | Fraction          | Tube Type                             |
|---------------|-----------|-------------------|---------------------------------------|
| <b>Buccal</b> | 1         |                   | Saliva-mouthwash kit                  |
| <b>Blood</b>  | 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 Streck                            |
| <b>Urine</b>  | 1         |                   | 10ml Urine kit                        |
| <b>Tissue</b> |           |                   | Precursor tissue blocks, if available |

# Baseline Surveys



Content available on [Connect GitHub](#)

## 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



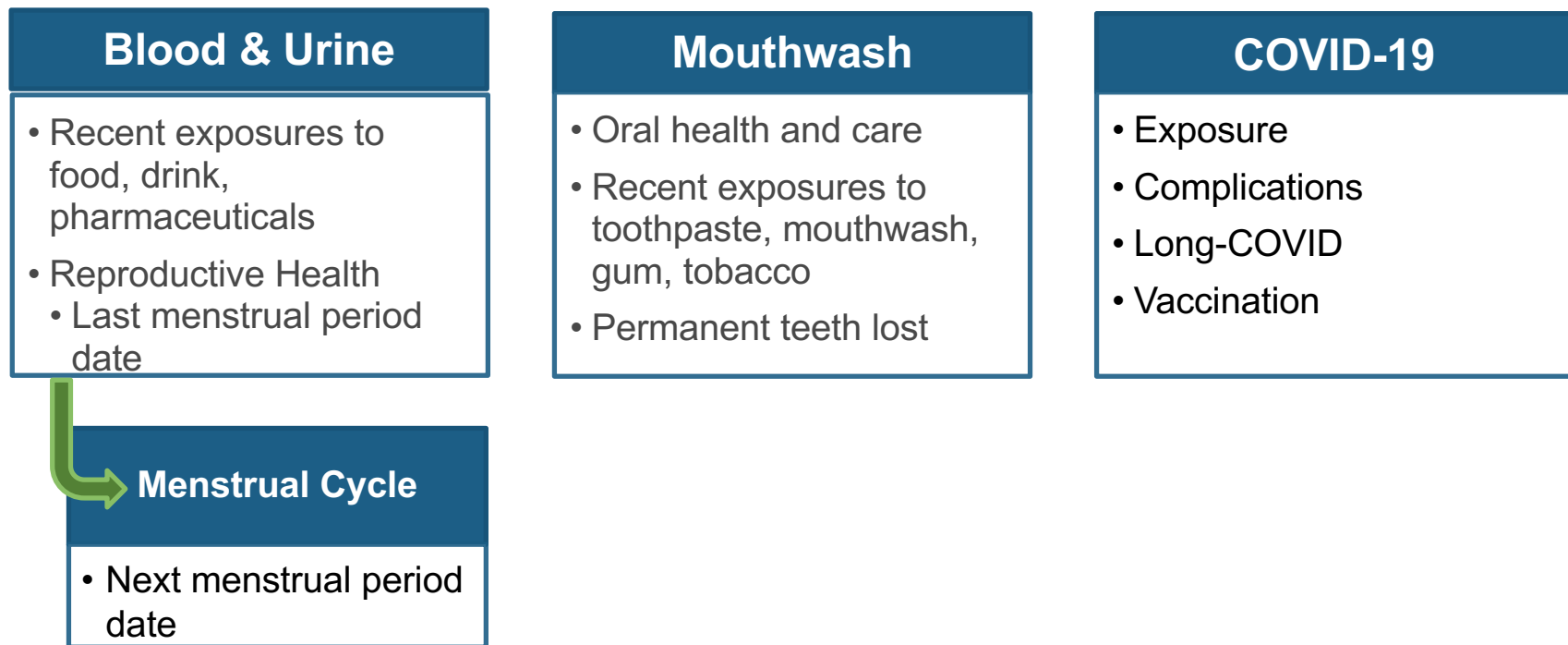
### Smoking, Alcohol, and Sun Exposure

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





# 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  |
| Follow up    | Quality of Life Survey                            | Physical function, anxiety, depression, fatigue, sleep disturbances, pain interferences, social roles, social isolation, cognitive function |

Access to human- and machine-readable copies on [Connect Wiki](#)

# 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 & Structural Determinants of Health (SSDOH) | 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"> <li>Diet food frequency questionnaire (DHQ)</li> </ul>  | <ul style="list-style-type: none"> <li>Repeated 24-hour recalls for diet (ASA24) and physical activity (ACT24)</li> </ul> | <ul style="list-style-type: none"> <li>Screening History</li> <li>Quality of life (PROMIS)</li> <li>Psychosocial</li> <li>Social &amp; structural determinants of health</li> </ul> | <ul style="list-style-type: none"> <li>Baseline exposures repeat assessment</li> <li>Consumer products (Menstrual &amp; intimate care, Hair, Mothballs &amp; scented)</li> <li>Menstrual experience (Endometriosis)</li> </ul> |
| 3-6 Months Post-Cancer Diagnosis Rapid Case Ascertainment  |   |   |  |
| <ul style="list-style-type: none"> <li>Cancer Diagnosis Surveys (Dx, symptoms, patient-provider interaction, medical history)                             <ul style="list-style-type: none"> <li>Quality of life (PROMIS: repeat assessment &amp; patient specific)</li> </ul> </li> </ul> |   |   |  |

# Acknowledging all contributors to the development of Connect

