## Table 1. Cumulative Recruitment

	Ethnic Categories										
Racial Categories	Not Hispanic or Latino			Hispanic or Latino			Unknown/Not Reported Ethnicity			Total	
	Female	Male	Unknown/Not	Female	Male	Unknown/Not	Female	Male	Unknown/Not		
	remale	Iviale	Reported			Reported		Iviale	Reported		
American Indian/Alaska Native	131	0	0	13	0	0	2	0	0	146	
Asian	122	0	0	2	0	0	4	0	0	128	
Native Hawaiian or Other Pacific Islander	18	0	0	6	0	0	1	0	0	25	
Black or African American	5195	0	0	23	0	0	118	0	0	5336	
White	19409	0	0	240	0	0	422	0	0	20071	
More than One Race	163	0	0	13	0	0	5	0	0	181	
Unknown or Not Reported	33	0	0	201	0	0	14	0	240	488	
Total	25071	0	0	498	0	0	566	0	240	26375	

## Table 2. Participant Demographics

	Participant	No. DC		
	Incident	Prevalent	No BC	
N	630	2,337	23,408	
Racial/ethnic group				
African American	118 (18.8)	331 (14.2)	4,887 (21.1)	
Caucasian	497 (79.4)	1,960 (84.3)	17,614 (76.0)	
Other	11 (1.8)	35 (1.5)	682 (2.9)	
Age at enrollment, years				
18 - 39	84 (13.3)	122 (5.2)	9,674 (41.5)	
40 - 64	448 (71.1)	1,556 (66.7)	11,611 (49.9)	
65 and older	98 (15.6)	656 (28.1)	2,011 (8.6)	
Current age as of 2023, years				
18 - 39	10 (1.6)	5 (0.21)	3,487 (15.0)	
40 - 64	254 (40.3)	632 (27.07)	12,322 (52.8)	
65 and older	366 (58.1)	1,698 (72.72)	7,512 (32.2)	
Family				
1st degree relative with BC (mother/sister/daughter)	182 (28.9)	609 (26.1)	3,751 (16.0)	
Age at BC diagnoses, yrs				
< 50	125 (20.4)	1,054 (45.6)		
≥ 50	487 (79.6)	1,260 (54.4)		
Vitals				
Alive	548 (87.0)	1248 (53.4)		
Deceased	80 (12.7)	320 (13.7)		
Missing	2 (0.3)	769 (32.9)		

# **Ancillary Studies**

### Arkansas Rural Community Health Study (2007-2013, n=26,375)

- Case-control focused on genetic biomarkers
- Surveys for breast cancer risk factors
- · Saliva samples

#### Arkansas Breast Cancer Survivors (2011-2016, n=782)

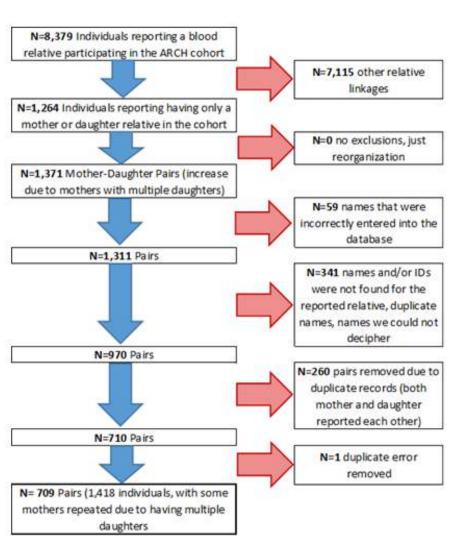
- BC survivors focusing on comorbidities and quality of life
- Medical record abstraction

#### Residential History Survey (2013-2022, n=2,200)

 Residential history and duration of the participants, parents, maternal and paternal grandparents.

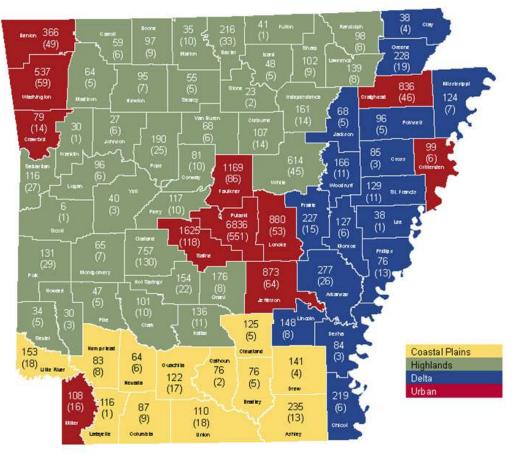
## Heavy Metal Exposure and Mammographic Density (2016-2022, n=211)

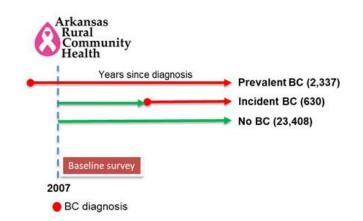
- · Environmental exposures/work history
- · Mammographic Density
- · NIH Dietary survey
- · Blood and urine samples



# **Mother-Daughter Study**

### Figure 2. Distribution of Participants





## Distribution of Cohort Participants in Arkansas.

Number of ARCH participants per county and region, with the number of participants with a breast cancer diagnosis shown in parenthesis. (n = 26,375)