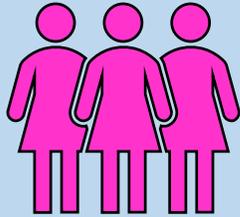
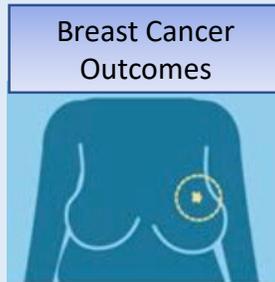
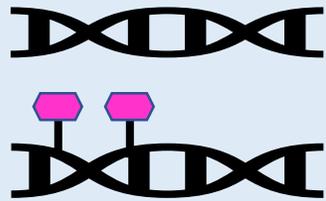


# Neighborhood Characteristics and Breast Tumor Methylation: Using Epigenomics to Explore Cancer Outcome Disparities

**Study Question:** Is living in a more disadvantaged neighborhood associated with differences in DNA methylation?

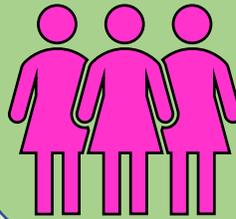


**96 Women Diagnosed with Breast Cancer  
Living in the Metro Atlanta Area**



## Study Findings

Black women were **more likely to reside in disadvantaged neighborhoods** than white women



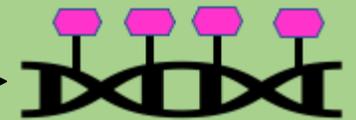
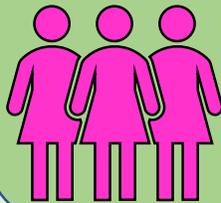
Black Women



White Women



Women living in more disadvantaged neighborhoods have **increased DNA methylation** in **24** different genes



We observed that adverse neighborhood characteristics may have biological consequences and impact the breast tumor epigenome.