The UVa Mammography Project

Jennifer A. Harvey, M.D., FACR
Professor of Radiology
University of Virginia
Breast Cancer Risk Factors

**Personal**
- Parity
- Age at menarche
- Age at menopause
- Hormone therapy
- Obesity

**Breast Disease**
- LCIS
- ALH
- ADH
- DCIS
- Breast density
- Radiation exposure

**Genetic**
- BRCA carrier
- Li-Fraumeni syndrome
- Cowden Syndrome

**Models**
- Gail Model
- Tyrer-Cuzick Model
- Claus, BRCA Pro, BOADICEA Model
The UVa Mammography Project

- 3-year project
- Co-PIs: Harvey, Knaus, Yaffe
- CDMRP (DoD), $5.4M
- 4000 women
  - 1000 cancer cases, 2003-2012
  - 3000 controls, digital mammogram 2003-07 at Uva
- Collect extensive risk data, including pedigree
- Measure breast density (automated) using raw data
Next Phase

• Validate the model in other populations
• What we need sites that have:
  – Raw digital mammograms
  – Comprehensive risk data
  – Cancer /control status

jah7w@virginia.edu