Male Breast Cancer Pooling Project

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- Pooling project established in 2008
- Eligible for inclusion were case control studies (n=11) and cohorts that could contribute at least 20 incident cases (n=10)
- 2,405 cases accrued across all investigations
- Contributions of questionnaires and biologic samples for assays of genetic factors (all designs) and hormones (cohorts only)
Initial Meeting of the MBCPP- May 2010
Representation from the U.S., Canada, Denmark, France, Greece, Italy, Sweden, United Kingdom
Challenges

- Data and material transfer agreements
- Data no longer available for 3 studies
- Harmonization of data
- Non-responsive contributor(s) led to project delays
- Absence of information for certain exposures or exceedingly small numbers
- Proper analytic approaches
Accomplishments to date: Male breast cancer risk relations

• **Anthropometric and hormonal risk factors**

• **Tobacco and smoking**

• **Endogenous estrogens**

• **Physical activity**
Ongoing or other possible ventures

• Ongoing
  – Genetic assays: pooling efforts with a large UK collaborative project

• Planned (?)
  – Assessment of familial effects
  – Occupational exposures
  – Dietary factors
Lessons Learned

• Initial meeting of contributors helpful, but not much interest for continued meetings
• Individuals interested in analyzing pre-harmonized data, but not much enthusiasm for performing new harmonization
• Limited amount of biologic material from cohorts quickly depleted
• Some new directions suggested by analyses, but unclear how to realize these in a cost effective manner