Report of the
Epidemiology and Biostatistics Working Group
Ann Mertens, PhD

CCSS Investigator Meeting
Williamsburg, VA
June 9-10, 2010
Publications in past two years


Publications in past two years


Publications in past two years


- Ness et al. Characteristics of responders to a request for a buccal cell specimen among survivors of childhood cancer and their siblings. Accepted in Pediatr Blood Cancer.
Recent Progress on other analyses

- Sun exposure/skin cancer (Mertens/Leisenring) – Final Analysis
- Missing data imputation (Adewale/Yasui) – Draft manuscript, Wilms’ and HL examples.
- Relative Survival “Cure Analysis” (Yasui) – Analyses
- NMSC validation study (Mertens/Leisenring) – Dosimetry complete, Analyses
- Methods related to longitudinal analysis of CCSS data (Leisenring) – Analyses
- Methods paper on fitting cumulative incidence curves as a function of age (Leisenring) – Analyses
Current approved analysis concept proposals

- Evaluation of cancer treatment data quality (Whitton) – waiting for Expansion data
- Determining the best comparison group for a cancer survivor study (Mertens (was Jurek))
- Linear Mixed Effects Quantile Regression (LMQR) Model (Kim) – data sent
- Cardiac mortality (Armstrong) – waiting for FU2007
- Cost Effectiveness of Cardiac Guideline for Survivors of Pediatric Cancers (Wong) – data sent
Current approved AOI

- Conditional Survival in CCSS (Wasilewski)
- Assessing bias associated with missing data from CCSS (Huang)
- Congenital heart disease (Gruber)
- Impact of health behaviors and health perceptions on subsequent mortality (Cox)
Review of Ancillary studies

• Feasibility of recruiting CCSS participants to a nearby cancer center to participate in clinical evaluation: a needs assessment survey (Mertens/Green)

• Predicting late effects of individual cancer survivors (Yasui)
Future Research Projects

• Differences in participant characteristics between the original and expanded studies

• Changes in treatment characteristics from the original to the expanded studies

• Patterns of participation – who responds by mail, telephone, internet?
  • Are there differences between groups?
  • Can we predict who prefers what method?
Future Research Priorities

Task force: Strategy for the 2013 questionnaire

Issue - how to harmonize the two CCSS cohorts through the 2013 questionnaire

• Which questions should be asked
• Which questions can be deleted
• Which questions should be updated regularly
• Which questions are no longer relevant

Volunteers?