

Childhood Cancer Survivor Study

Data and Statistical Center Update

Wendy Leisenring, Sc.D.

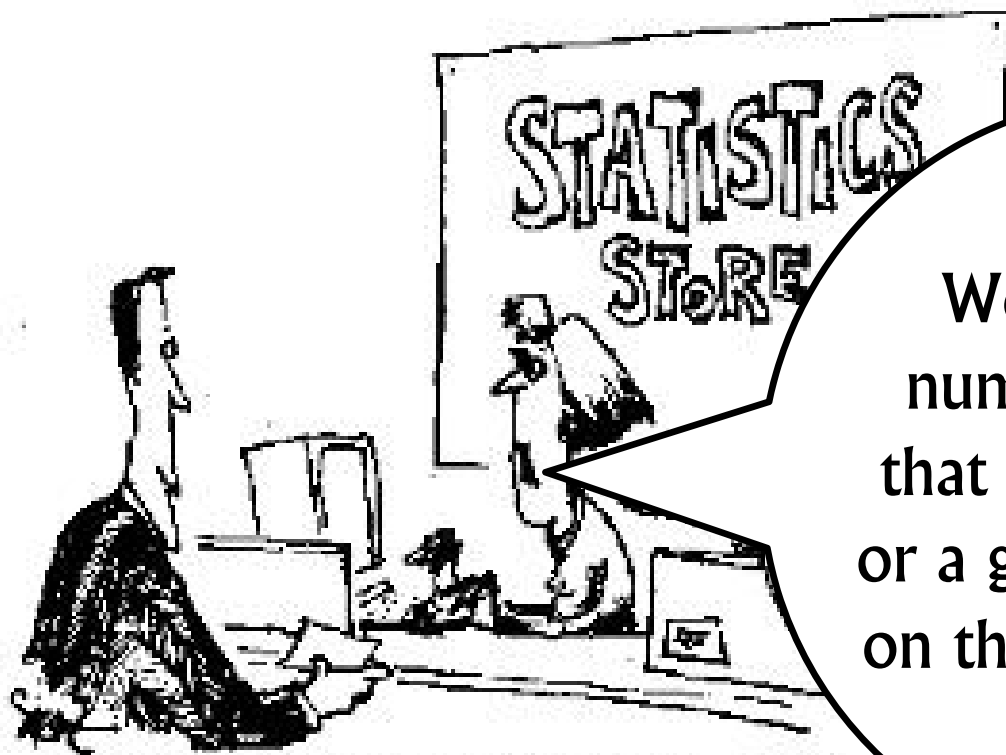
CCSS Investigator Meeting

June 13-14, 2017

Atlanta, GA



FRED HUTCH
CURES START HERE™



By Signe Wilkinson, Philadelphia Daily News, Cartoonist.



Statistical Center



Seattle

Wendy Leisenring, ScD
Lead Biostatistician
~2.7 FTE across 4 MS + .3 Wendy



Memphis

Yutaka Yasui, PhD
Biostat/Epi Working Group Chair
~1.5 FTE over 2 MS + 0.1 Yutaka



Kumar Srivastava, PhD
~0.6 FTE over 3 MS + 0.1 Kumar



Key Activities

- Statistical Analyses and Methodology
- Database Management
- Proposal Development
- Weekly Conference Call – all Statisticians, Coordinating Center and Radiation Dosimetry Center
- Regularly scheduled calls for ongoing projects

Expansion Cohort

- All baseline survivor, sibling data frozen
- SMNs from baseline frozen
- Chronic conditions coded through baseline
- Mortality data updated through 2013

Unified Cohort (Expansion + Original)

- FU5 data frozen (this week!)
- Partial set of SMNs from FU5 frozen

January, 2016-June, 2017*:
Published Manuscripts: 29
Submitted Manuscripts: 8
Manuscripts in Preparation: 26
Analyses Ongoing/Data sent: 45
Initiating Analyses: 7
Approved, waiting for specific data: 3
Approved Projects in Queue for analyst: 0
Proposals under Development: 5+

*Projects with a CCSS Statistician involved.

Selected Recent Key Publications

Topic	First Author, Journal
Temporal trends in treatment and SMN risk	Turcotte et al, <i>JAMA</i>
Longitudinal follow-up of Ewing sarcoma survivors	Marina et al, <i>Cancer</i>
Predictors of fatigue and poor sleep among HL survivors	Rach et al, <i>J Cancer Surv</i>
Neurologic health and psychosocial function among medulloblastoma/PNET survivors	King et al, <i>Neuro-Oncol</i>
Effects of temporal changes in treatment on self-reported health status among survivors	Ness et al, <i>Ann Intern Med</i>
Risk and impact of pulmonary complications	Dietz et al, <i>Cancer</i>
Endocrine abnormalities in aging survivors of childhood cancer	Mostoufi-Moab et al, <i>JCO</i>

- Assist with development of analysis proposals
- Collaborate on ancillary study grant proposals
- Please include us early in process

Priorities and Challenges

- **Analyses:** Maintain productivity and quality on analytic projects
- **Methodological:**
 - Applying weighted adjustments to all analyses to account for non-participation/drop-out.
 - Plan for infusion of eHealth data and analytic methods
- **Data Management:**
 - Dissemination of de-identified phenotype data with GWAS data through “honest broker”
 - Initiating data linkage with Society for Assisted Reproductive Technology (SART) database