

Topics for Discussion: Julie A. Ross, Ph.D.

- Participation rates
- Variables collected and completeness
- Information on medical exposures
- Dealing with changes in ICD-0 coding
- Limitations/potential biases
- Data format
- Procedures to access data
- Examples of studies using CCRN
- Healthy control selection...



Genetic epidemiology of osteosarcoma

- ~500 cases ages 0-19 years are being recruited through COG CCRN during 2007-2010
- Collect DNA and surveys through mail
- Genotype cases and their parents using high-throughput genotyping
- ~300 in ~50 genes related to bone growth

Genetic epidemiology of neuroblastoma



- ~600 cases ages < 6 years of age are being recruited through COG CCRN during 2007-2013
- Collect DNA and surveys through mail
- Genotype cases and their parents using high-throughput genotyping
- ~1000 SNPs in genes related to vitamin supplementation and related pathways; also combine with ongoing GWAS

Others in progress/planned

- **Germ cell tumor (Dr. Jen Poynter) (likely funded)**
- **Wilms' tumor (Dr. Rayjean Hung) (partial funding)**
- **Ewing Sarcoma (Dr. Josh Schiffman)**
- **Rhabdomyosarcoma (Dr. Simona Ognjanovic)**
- **ALL (Drs. Logan Spector/Julie Ross)**
- **AML (Dr. Susan Puumala)**
- **Carcinomas (Dr. Kim Johnson)**

Pediatric Control Selection

- **Random digit dialing**
- **Birth certificates/vital statistics registrars**
- **Other groups**