

Resident Research Projects Collaborating with Biostatisticians

Chris Slaughter, DrPH
Assistant Professor
Department of Biostatistics

OB/Gyn Residents Meeting
September 24, 2010

Introductions

- Chris (James C.) Slaughter
 - Assistant Professor
 - james.c.slaughter@vanderbilt.edu
- Sarah Fletcher
 - Biostatistician I
 - sarah.fletcher@vanderbilt.edu

Collaborations

- Groups I work with
 - Gastroenterology (28%)
 - Neonatology (27%)
 - Methodology/Department (20%)
 - Teaching (15%)
 - Ob/Gyn (10%)
- Sarah has ~20% of her time for Ob/Gyn projects
- Planning is *essential*

When to Meet

- Phase 1: Before collecting data
 - Discuss research questions
 - Power/sample size calculations
 - Data management (e.g. Redcap)
 - Usually will meet once
- Phase 2: Data collection
 - May look over data entry after first subjects have been entered
 - Usually will not need to meet

When to Meet (cont)

- Phase 3: Data analysis
 - All data have been collected
 - Go over details of study, especially the scientific questions you would like answered
 - Usually will need to meet once or twice

Key Deadlines

- First meeting to discuss project
 - Before data collection
- First analysis meeting
 - Pre-specify your scientific hypotheses
 - **4 to 8 weeks before any deadline**
 - Dataset also needs to be complete and frozen **4 to 6 weeks before any deadline**
- Data analysis can be an iterative process