Resident Research Projects
Collaborating with Biostatisticians

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OB/Gyn Residents Meeting
September 24, 2010
Introductions

• Chris (James C.) Slaughter
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• 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