THE “TIPS” STUDY

A longitudinal case-control study of maternal and infant health outcomes after Trauma in Pregnancy
STUDY DETAILS

Cases (N=120)
- Began 2006, evolved into a two-step recruitment strategy in ED & CR in 5 Edmonton sites.
- Women are followed by series of telephone interviews over rest of pregnancy & for 18 months PP.
- Gather psychological & physical health data, as well as health system use.
- 18 month infant assessment by NICU follow up clinic team.

Controls (N=120)
- As of Aug 2008, two-step recruitment by a centralized service within WCHRI to enroll low risk pregnant women.
- Similar protocol as with cases.
- Matched for parity, age and gestation on entry.
TO DATE

Cases (since 09/06)
- 250 potential cases have been referred from ED and L&D in the Edmonton Area
- 102 subjects enrolled
- 67 active participants
- 18 infants have completed the 18mo assessment

Controls (since 10/08)
- 198 referrals contacted
- 80 subjects enrolled
- 72 active participants
- 1 infant has completed the 18mo assessment
SUBJECT DEMOGRAPHICS

- Age range for both groups: 17-40
- Diverse population in both groups: socioeconomic status, ethnic and cultural backgrounds, working outside home or homemakers.
- “Life happens”: diverse index event plus diverse past stressful experiences & newer events since index event.
- Controls → Cases
SOME PRELIMINARY RESULTS:

**CASES**
- GA @ delivery
  - Mean 38.77±2.1 weeks
- PPD score @ 2mo
  - Mean 5.34±3.54
- Highest PPD score
  - Mean 7.97±5.38
- Number of babies admitted into NICU = 13
- Number of moms prescribed an antidepressant = 4

**CONTROLS**
- GA @ delivery
  - Mean 39.28±1.74 weeks
- PPD score @ 2mo
  - Mean 2.67±2.48
- Highest PPD score
  - Mean 4.47±3.66
- Number of babies admitted into NICU = 6 (one set of twins)
- Number of moms prescribed an antidepressant = 4
OUR MULTIDISCIPLINARY TEAM

- Two principal investigators & four co-investigators with expertise in neonatology, perinatal health, mental health, biostatistics & child development
- Half-time project coordinator
- Full time research associate
- 4 recruitment nurses for cases
- WCHRI infrastructure services for recruitment of controls & data management
- ED & Caseroom staff who have supported our efforts