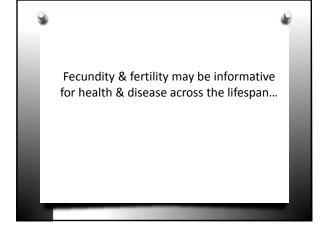
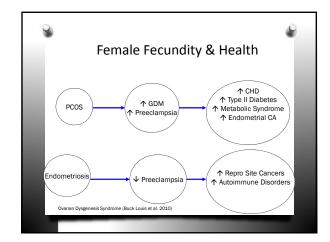
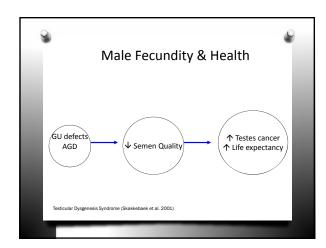


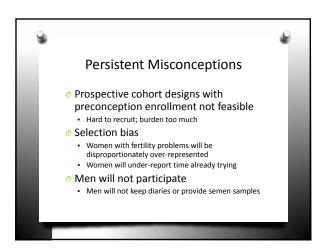
Motivation for today's seminar... Basic lack of understanding of human reproduction & development Folklore, myths & urban legends Under-appreciated endpoint Reproductive health ≥ pregnancy

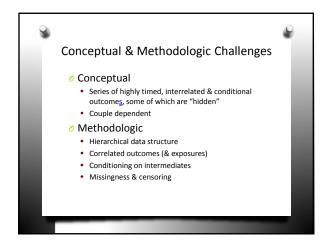
Data Gaps - Reproduction Inefficiency of human reproduction Monthly probability of conception ≈20% (Robert & Lowe 1975) Post-implantation pregnancy loss rate ≈12-40% (Louis 2011) Human sperm production 4.4 million/gm testis; bulls & stallions have 3-4 times amount (Sharpe 1995) What's normal? Do women ovulate every cycle? Which day? Is there only one fertile window? What is the probability of conception, pregnancy loss or live birth per cycle? What if she's a little off? What if he is? What if they are? Why isn't semen quality predictive of conception, implantation or birth?

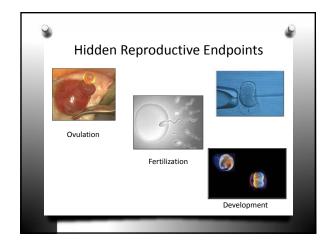


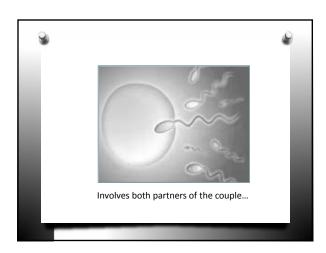


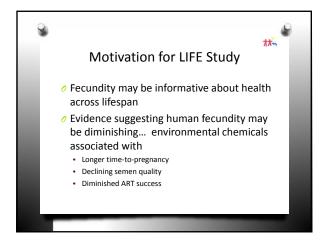


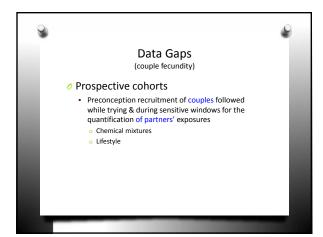


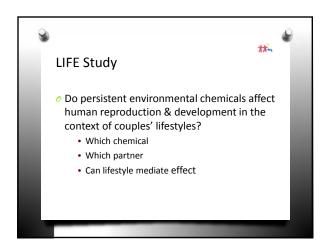


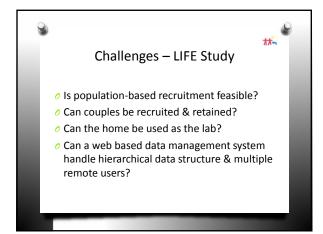


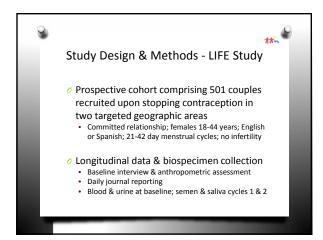


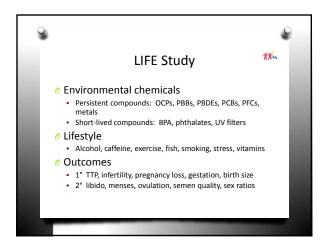


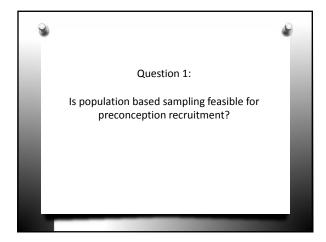


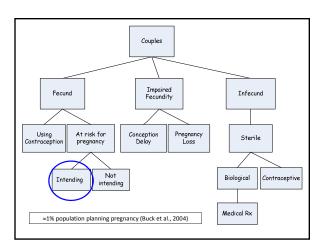


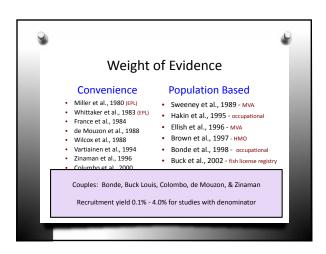




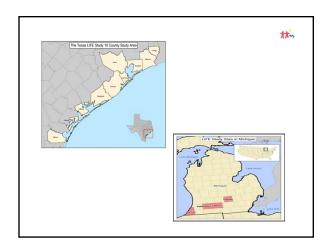


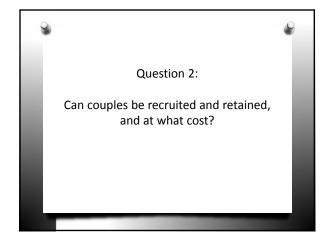


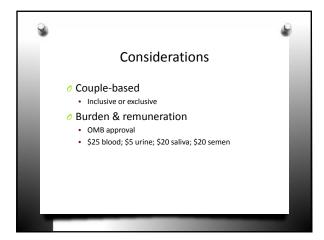


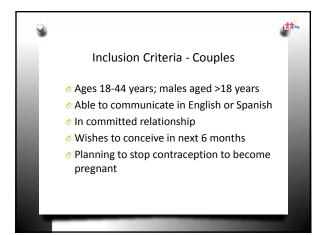


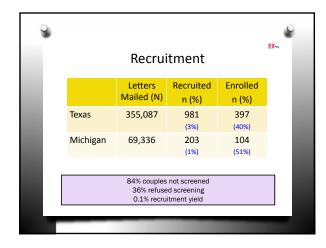


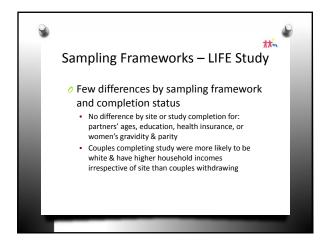


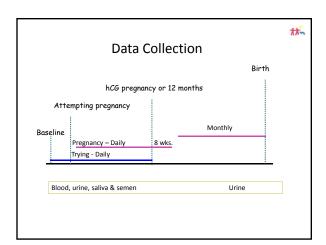


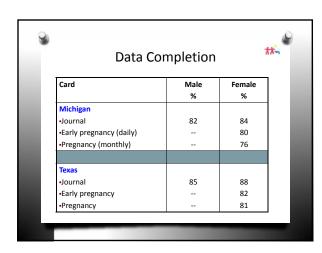


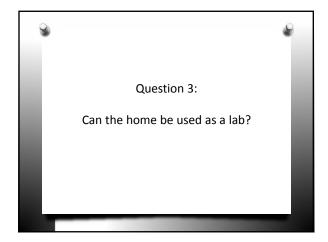


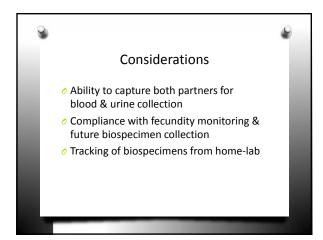


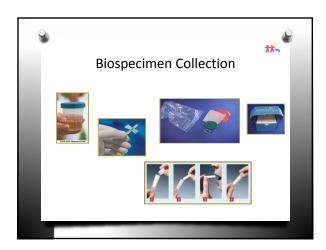


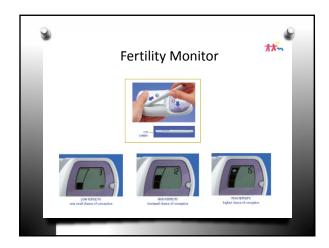




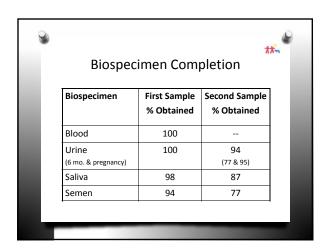












Question 4: Can a dependable web based data management system be built to handle the hierarchical data structure & multiple remote users?

