

biological stress responses:

- ness responded:
hypothalamic pituitary axis (HPA)
cardiovascular responses
immunological responses

mediators between stress/emotions + preterm birth:

BN, cytokines, corticotropin-releasing hormone, cortisol, blood pressure, pregnancy-induced hypertension. Individuals experience.

"life events": major events that individuals experience such as divorce, a death in the family, illness, injury, the loss of a job, etc. women birth NRC women

the loss of a child. RR: 1.8 of preterm birth, NC women
Dole et al. 2003. RR: 1.8 of preterm birth, NC women
with negative impact life events

"there is some consistent evidence that major life events are associated with preterm birth, although the evidence is by no means uniform"

penis

Start of chronic stressors → homelessness → imprisonment

last menstrual period → 9/11

last menstrual period

days week = calendar week 5

↓ days 35-41

↓
Lederman et al. 2004 had women in 1st trimester gestation significantly shorter gestation

0 earthquake

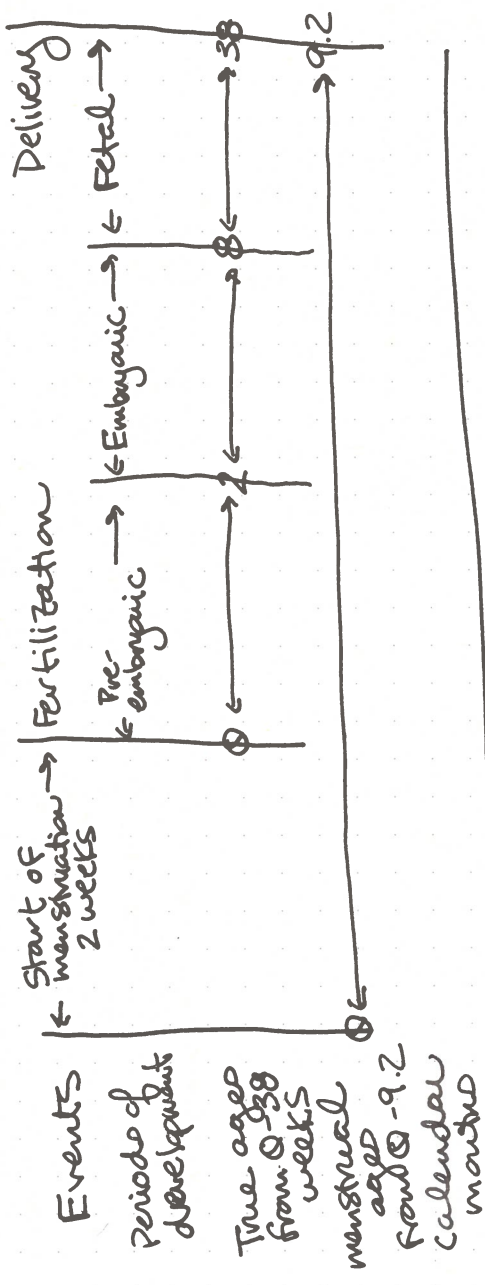
$$1002 \uparrow + 0.2001$$

Glynn et al.:
sign. effect, gestation was
longer the later in gestation
the pregnancy occurred
shortest gestation for
exposure in 1st trimester

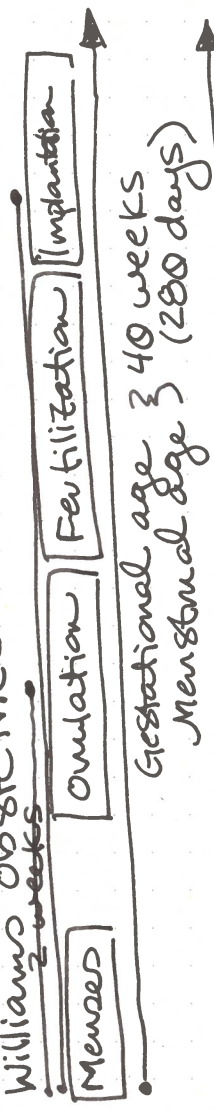
[illegible]

due date: count 280 days (40 weeks) from first day of last ~~missed~~ menstruation
(add 7 days to first day of LMP then count back 3 months) Naegle's Rule

Life Before Birbn Marjorie A. England 1996
'EG 6B. E54 1996



Statistics 23rd ed. 2010 3 weeks



Ovulation age

Post conceptual age
(later, says 3 periods of 14 weeks each)

three trimesters, each 13 weeks of 14 weeks each

1st trimester: through completion of 14 weeks

1st trimester: 11 weeks to 14 weeks

2nd trimester: through completion of 28 weeks

3rd trimester: 29th-42nd week of pregnancy

clinically appropriate unit: weeks of gestation completed