

Reproductive Health During Different Life Stages

Impact of EDCs and PFAS Exposure on Reproductive Health



In Utero

HOW PESTICIDES INTERFERE:

- 1. Disrupt formation of primordial follicles
- 2. Reduce size of ovarian reserve
- 3. Alter fetal hormone production

OUTCOMES:

- 1. Shortened reproductive lifespan
- 2. Increased infertility risk
- 3. Early menopause

Puberty

HOW PESTICIDES INTERFERE:

- 1. Disrupt brain signals/regulations that control puberty

OUTCOMES:

- 1. Changes in the timing of puberty
- 2. Higher number of early-onset puberty cases
- 3. Irregular Cycling

Adulthood

HOW PESTICIDES INTERFERE:

- 1. Accelerate loss of dormant ovarian follicles
- 2. Reduce density of ovarian reserve
- 3. Disrupt different hormone-regulated follicle maintenance

OUTCOMES:

- 1. Early menopause
- 2. Reproductive cancers
- 3. Premature ovarian insufficiency
- 4. Greater risk of PCOS