# WOMEN and MIGRAINE

## Hormonal Changes

- . In girls than boys after puberty
- In women than men throughout adulthood

## During Perimenopause

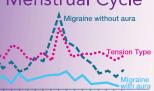


Up to 10% of children have migraine; the risk of developing it increases until puberty.1



One third of women with migraine say their first attack and their first menstrual period happened around the same time.19

### Headache and Menstrual Cycle



Day of Menstrual Cycle

 Most women say their attacks are associated with their menstrual cycle3 Attacks associated with menstruation

may be harder

to treat<sup>4-8</sup>

urology. 2000;55:1517-1523.

- · Big swings in
- estrogen

levels occur

· Attacks can get worse, especially if they tend to happen around menstruation16



During

Menopause 11

Hormone replacement therapy

may increase the frequency of attacks<sup>18</sup>

fewer attacks17



 Hormone replacement therapy may reduce the frequency of attacks by addressing hormonal imbalance

• Two thirds of women have significantly







PUBERTY







Eat healthy and stay hydrated

Get enough exercise and sleep

Try meditation, yoga, or massage



Reduce the risk of attacks without medication:







### stabilizing estrogen

The fall in estrogen during the menstrual cycle is thought to trigger attacks

Hormone replacement therapy

- May help to prevent attacks related to menstruation
- Do not help everyone<sup>8</sup>

- According to the American Academy of Pediatrics: 13,15
  - It is safe to nurse babies when being treated for migraine
  - The triptans pose no risks to infants



- · Two thirds of women have fewer attacks, particularly in the second and third trimesters
- Some women have their first attack during pregnancy - it can be more severe or include an aura
- Some patients get worse immediately after delivery

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  Black et al. Neutral Dis. 2014.

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