

CONTRACEPTIVE EFFICIENCY

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- Assessment of number of unplanned pregnancy that occur during a safe period of exposure & use of contraceptive methods

2 methods • 1. Pearl index • 2. Life table analysis

1. PEARL INDEX.

- Number of failures or accidental pregnancies per 100 woman years (HWY) of exposure

- $PI = \text{Total accidental}$

pregnancies $\times 1200$ / total months of exposure

- $PI = \text{Total accidental pregnancies} \times 1300 / \text{Total No. of menstrual cycle experienced}$

- $PI = \text{number of accidental pregnancies} \times 100 / \text{Total years of exposure}$

- PI of -- Male condoms - 2-14 • IUD - 0.5-2
- Oral pills - 0.1-0.5

2. LIFE TABLE ANALYSIS

- Females of reproductive age group are observed to analyze any accidental pregnancies

- Calculate failure rate per month of

use.

- Better than pearl index