

Epidemiology of Fertility and Infertility in Female and Male

Introduction:

Fertility is the capacity to set up a clinical pregnancy. The term infertility is utilized by a few clinicians traded with subfertility. Formal definitions are, in any case, exceptionally critical for the suitable administration of regenerative disarranges. Around the world > 187 million individuals endure barrenness, the lion's share being inhabitants of developing nations. Whereas the foremost capable negative prescient figure of ripeness is expanding women's age at conception, other components including way of life and natural components are accepted to play an expanding part. Components impacting ripeness will be displayed as sex particular or not.

Material and method:

A systematic literature search was accomplished to identify published studies between April 2017 and April 2022. Studies were collected using different keyword combinations: Fertility, Infertility, Epidemiology of fertility and infertility, Female infertility, and Male infertility. The literature search strategy in this paper included searching PubMed, PMC, and Science Direct, Springer open, Google scholar and Biomed Central databases.

Results:

The fertility decline in female already starts around 20-30 years of age and the median age at last birth is 28-31 years in most studied populations experiencing natural fertility. The disease-related infertility may affect both genders or be specific to one gender. The factors affecting both genders' fertility are hypogonadotropic hypogonadism, hyperprolactinemia, disorders of ciliary function, cystic fibrosis, infections, systemic diseases, and lifestyle-related factors/ diseases. Also in women premature ovarian insufficiency, polycystic ovary syndrome, endometriosis, uterine fibroids, and endometrial polyps may play a role in female infertility.

Conclusion:

Males are found to be solely responsible for 20-30% of infertility cases but contribute to 50% of cases overall. Secondary infertility is the most common form of female infertility around the globe, often due to reproductive tract infections.

Keywords:

Fertility, Infertility, Female infertility, Male infertility