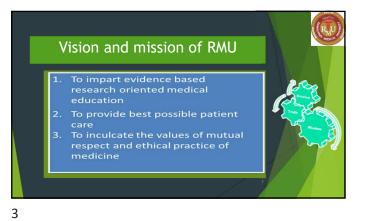


Demographic Concepts Dr. Sana Bilal Dr. Afifa Kulsoom



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Sequence of Lecture

- ► Learning objectives : 2 slides
- Core subject: 29 slides
- ► Family Medicine: 1 slide
- ► Ethical Issues: 1 slide
- ▶ Research & online data: 1 slide
- ► End of lecture assessment: 1 slide





Learning Objectives

- Calculate different rates related to fertility & mortality from given data
- Discuss linkage of demography with other disciplines
- Describe demographic, economic, social and interdisciplinary implications of population explosion

Learning Objectives

By the end of session the students should be able to:

- ► Define demography and population dynamics
- Apply demographic concepts in health system
- Discuss all major sources of population data with special emphasis on population census

What Is Population?

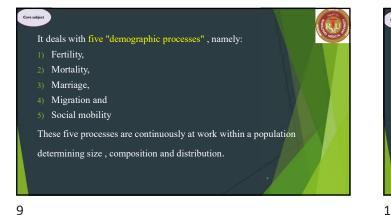
- A group of individuals or items that share one or more characteristics from which data can be gathered and analyzed. OR
- A group of individuals living in the same area and sharing same local conditions of the environment.

DEMOGRAPHY

Definition: Demography, as understood today, is the scientific study of human population . It focuses its attention on three readily observable human phenomena : (a) changes in population size (growth or decline)

- (b) the composition of the population
- (c) the distribution of population in space

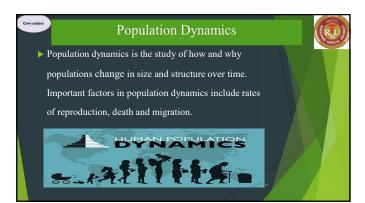
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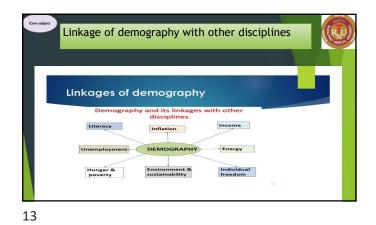
Population Dynamics

Definition: The study of all five "demographic processes", processes which result in mode of change of population is called population dynamics. These five processes are continuously at work within a population determining size, composition and distribution.

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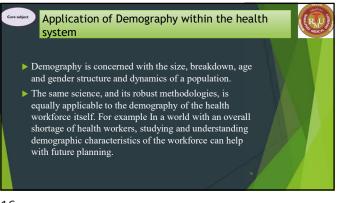


Example: Developed Countries

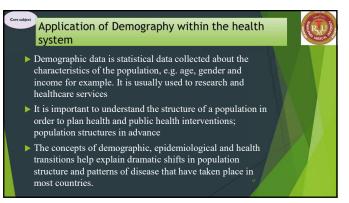
- The populations of most rich countries are growing older. This shift is creating a demography of low fertility and long lives.
- The rapidly growing populations of the elderly are putting unprecedented stresses on societies, because new systems of financial support, social support, and health care have to be developed and implemented.

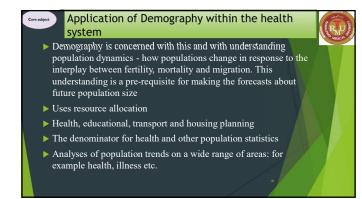
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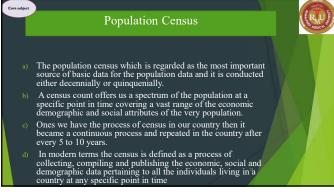




Why is Patient Demographic Data Important?

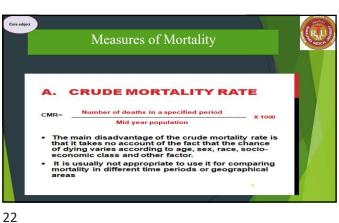


- > Patient demographics are the information gathered from patients that give you a better idea of who they are. This lets your practice tailor your care to their specific healthcare needs.
- > Demographics can help know what certain groups need attention and the most help.
- Sources Of Population Data The primary sources of the population data on the population size, characteristics and demographic structure are : 1. Census, 2. Projections, 3. The Registrations, 4. Migration Reports and 5. The Surveys





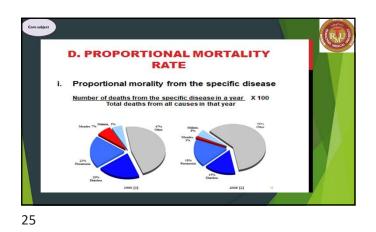
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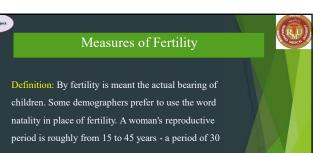


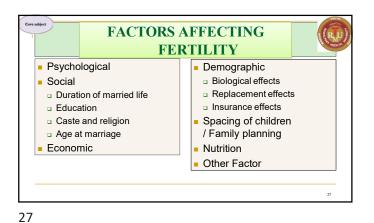


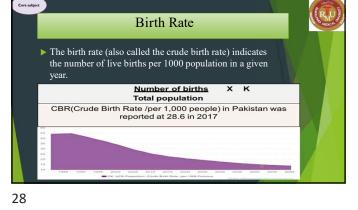


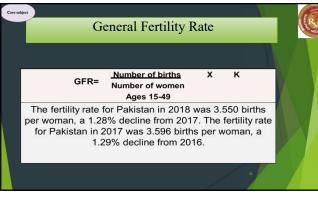


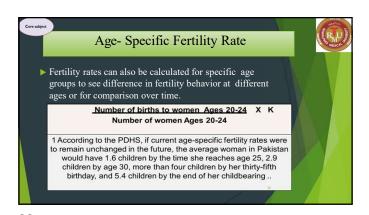




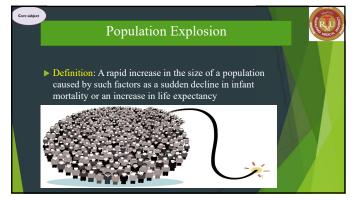


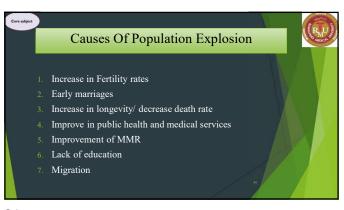




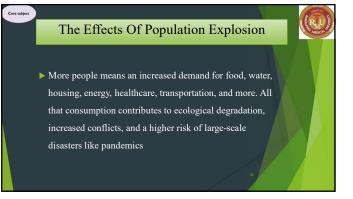














Family Medicine and Demography

- ▶ The data obtained from demographic studies can also help family medicine practitioners develop educational programs that target specific population groups.
- ▶ Demography is an essential aspect of family medicine. By understanding the demographics of specific populations, family medicine practitioners can provide customized healthcare services that address the unique health needs of their patients.

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Ethical Issues ▶ Population ethics is the philosophical study of the ethical problems arising when our actions affect who is born and how many people are born in the future. ▶ However, demographic theory, which explores theoretically when, how, and why populations grow, based on empirically observed patterns, has until now

played only a minor role in population ethics.

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