

DEMOGRAPHY

Demographic Transitions Population Pyramids Dependency Ratio Age Sex Composition

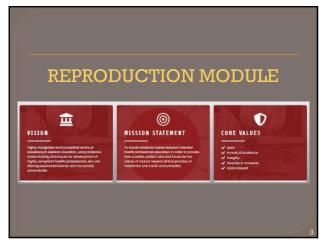
Dr. Saba Maryam Dr. Moniba Iqbal (PGTs Community Medicine)

Vision /Mission of RMU:

- To impart evidence based research oriented medical education
- To provide best possible patient care
- To inculcate the values of mutual respect and ethical practice of medicine



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SEQUENCE OF LECTURE:

- Learning objectives (1 slide)
- Core subject (41 slides)
- Horizontal Integration, not relevant
- Vertical Integration, (1 slide)
- **Digital library references** Research (1 slide), Ethics(1 slide)
- End of lecture Assessment (04 slides)

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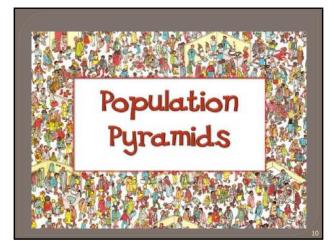
Learning Objectives

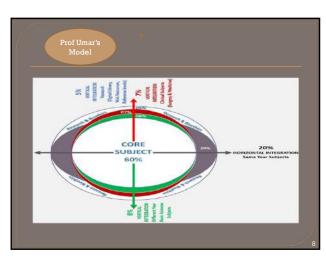
- Explain population pyramid Read and interpret a population pyramid Identify and interpret population pyramids in different stages of growth Identify and interpret different types of population pyramids with respect to shape Explain any asymmetry in shape Identify baby boom in population pyramid State importance of population pyramids Calculate and interpret dependency ratio Explain age and sex composition of a population

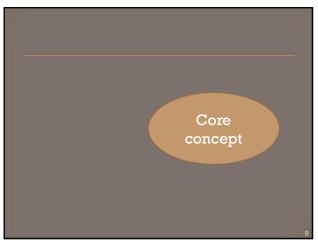
- Calculate sex ratio from a given data

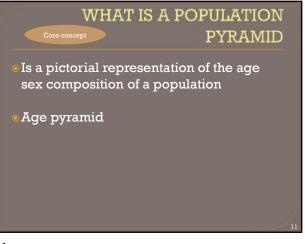
SGD: TEACHING STRATEGY

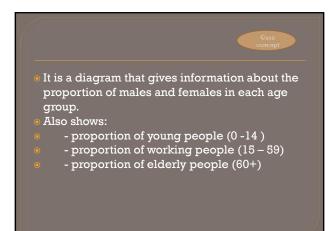
Sr.No	Headings	Approximate%
1.	Title Of SGD	
2.	Learning Objectives from Study Guides	
3.	Core Concepts of the topic	95%
4.	Related Advance Research points	3%
5.	Related Ethical points	2%

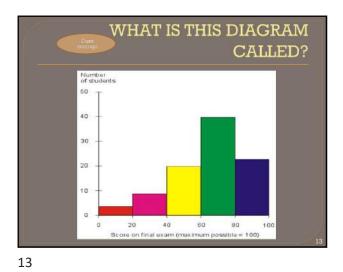


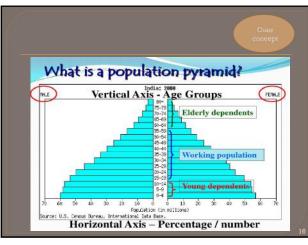


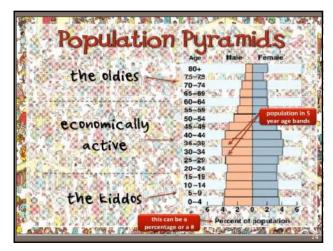


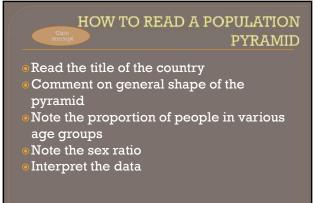


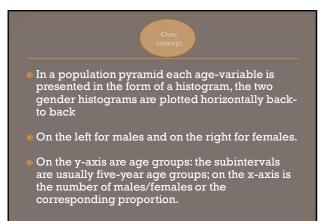


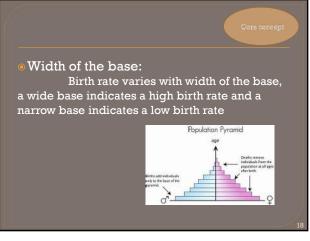








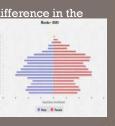




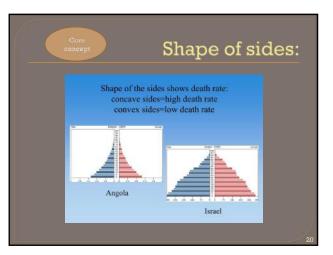
• Symmetry:

- Statistically speaking pyramids should be relatively symmetrical
- Any asymmetry indicates a difference in the male and female population

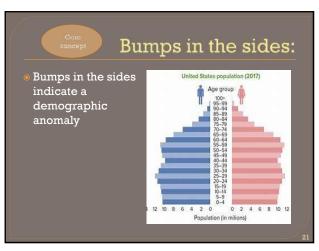
 This pyramid shows more females at age ranges above 50 which indicates that Women are living to older Ages than males.

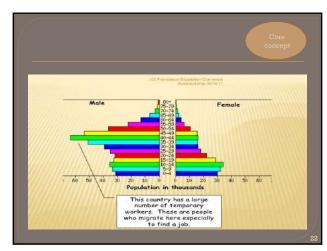




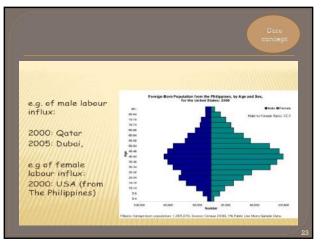


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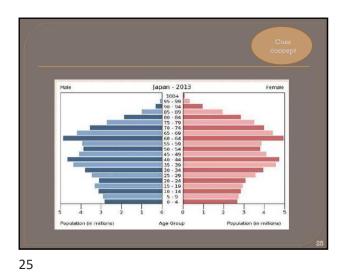
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When large proportion of women in a population have children in the same

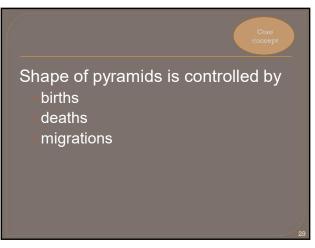
years typically due to some critical event like war

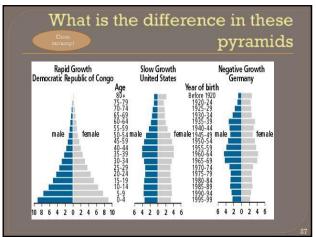


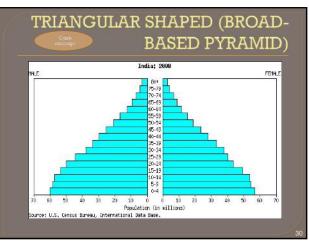
TYPES OF POULATION PYRAMIDS 1.Triangular-shaped 2. Beehive-shaped Pyramid 3. Rectangular-shaped Pyramid 24

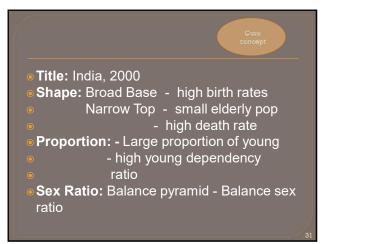
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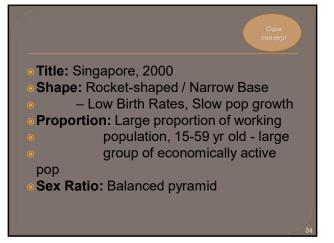
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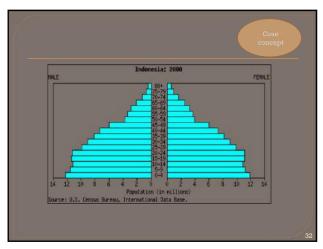


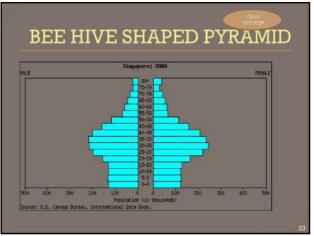




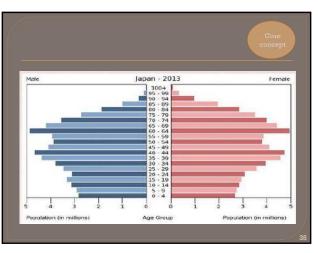


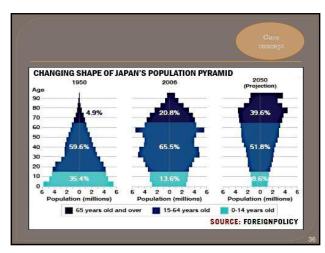


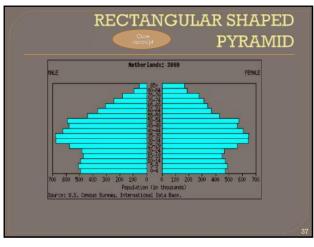




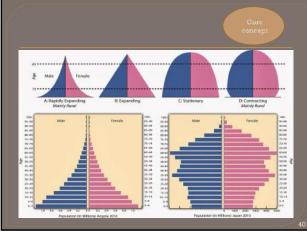








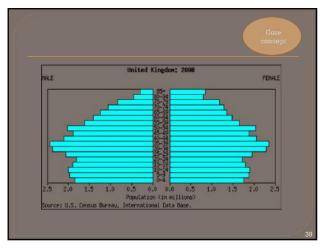
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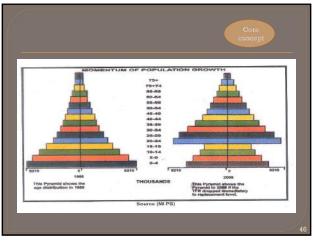
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A BROAD BASE POPULATION PYRAMID MEANS

- Increase food production.
- Build more homes and schools
- Plan for more job opportunities for the young in future.
- Implement birth control campaigns

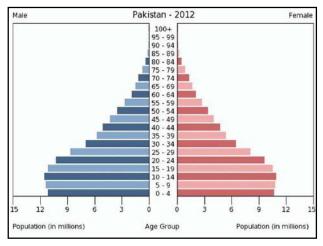
A NARROW BASED POPULATION PYRAMID MEANS

- Work out incentives to encourage more births.
- Hiring foreign labor.
- Proper medical services and health care for the aged

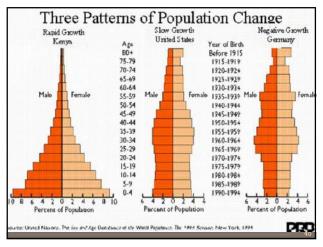


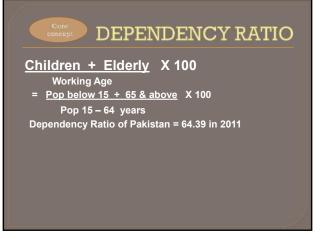
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AGE -SEX COMPOSITION

Refers to the proportion of males & females in different age-groups. It has a direct bearing on social, economic, health needs of communities or countries. In an "old" population, for example, the society has to arrange for the care of the elderly, & the country's health system must be organized accordingly. In a "young" population, on the other hand, the country has to provide more schools, immunizations, & economic support for the young



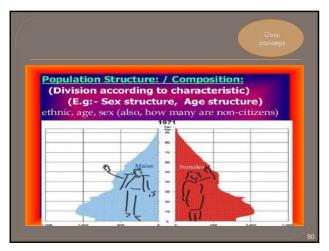
VERTICAL INTEGRATION:

- Significant predictors of neonatal mortality:
- Bio-demographic factors
- Literacy
- Mode of delivery

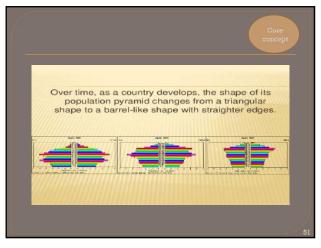
mpact of mothers' socio-demographic factors and antenatal clinic attendance on neonatal nortality(tandfonline.com)

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ETHICS:

Add screen shot and few lines from relevant article

- Population ethics and the prospects for fertility policy as climate mitigation policy
- Beegle, K., Christiaensen, L., Dabalen, A.,
 & Gaddis, I. (2016). *Poverty in a rising Africa*. Washington: World Bank Publications.
- Introduction: Population and Ethics: Difficult Questions, Global Challenges (tandfonline.com)

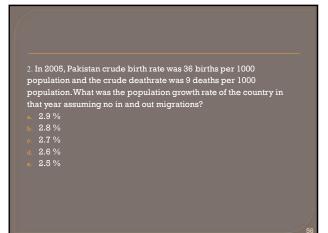
ASSESSMENT:

MCOs:

- As children and the elderly are considered to be dependent on economically productive age group, higher dependency ratio reflects the need for a society to provide for their younger and older population groups. Which statement best describes the term "demographic bonus"?
- It is an inevitable consequence of demographic transition It is mostly caused by increased old age dependency ratio It is because of decline in fertility

- It does not depend on the pace of decline in family size It is depends on increase in life expectancy at birth

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What information we can get out of a population pyramid? What variables are on x-axis and y-axis of population pyramid?

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SEO:

What is population pyramid?

3. The total number of reported births in Rawalpindi district was 10,000 and deaths was 5000 in the year 2007. By giving these figures we are referring to:

- Absolute numbers Crude birth rate

- Crude death rate Vital index