Changes in the size, composition, and age distribution of the population exert powerful influences on society, human well-being, and the environment. An understanding of population processes related to health and mortality, fertility, population ageing, migration and urbanization should guide policy planning. This course introduces fundamental concepts and techniques used in demographic analysis and the study of population change. It aims to provide an overview of global and regional trends and highlight the challenges associated with such changes. Participants will also learn about health, morbidity and mortality, and their social determinants. During the two-day workshop, through lectures and hands-on laboratory exercises, participants will learn approaches for empirically measuring the aggregate characteristics of populations and for modelling population change.

Course Outline

- Introduction to Demography; world population trends
- Key demographic concepts, sources of data, measurement and coverage
  - Population composition, distribution and change
  - Age-period-cohort
  - Population doubling time, demographic inertia
- Fundamentals in demographic analysis
  - Demographic balancing equation and sources of population change
  - Population age and sex structure, population pyramids, sex ratios, dependency ratios
- Fertility and fertility change
  - Fertility measures like CBR and TFR
  - An introduction to the proximate determinants of fertility framework
- Health and Mortality
  - Measuring mortality – age- and cause-specific mortality rates
  - Measuring health and morbidity
  - An introduction to the social determinants of health perspective
  - The life table and estimating life expectancy
- Internal and international migration – estimates & influence on population change (i.e., natural increase vs in-migration; migration and urbanization)
- Population projections – introduction to basic concepts and methods

Who Should Attend

This course is designed for researchers, practitioners and policy makers with a desire to learn more about demographic concepts, measures and methods, as well as social determinants of health.

Enquiries

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For details on schedule, course fee & registration, visit CFPR website.

Dr. Kriti Vikram is an Assistant Professor in the Department of Sociology at the National University of Singapore and a Research Associate at the Centre for Family and Population Research. At NUS, Dr. Vikram has taught courses on Population and Society, and Social Determinants of Health and Mortality. Her research focuses on social determinants of health and well-being of children and families as well as fertility preferences and contraceptive use. She received her Ph.D. and M.A in Sociology with specialization in Demography and Life Course from the University of Maryland. She was on the project team for the India Human Development Survey, a longitudinal study of Indian households. She received the 2014 Robert W. Janes Commemorative Award that recognizes excellence in Sociology at the University of Maryland. Dr. Vikram has published in Demography and in Social Science & Medicine.