Epidemiology & Biostatistics for Health Needs Assessment

In this nine-week fully online course, you can hear, read and talk about a range of topics relevant to eye health needs assessment, including (1) The scope and uses of epidemiology; (2) Measuring the frequency and effect of disease; (3) Framing a hypothesis; (4) Understanding survey methods, sampling methods and data management; (5) Planning a community needs assessment; (6) Development of a survey instrument.

Aim
The course aims to equip eye care professionals with the ability to use epidemiological and statistical methods to assess the eye care needs of a community or population.

Learning outcomes
On successful completion of this course, participants will be able to:

- Demonstrate the ability to use basic needs assessment tools
- Calculate and interpret different measures of disease frequency and effect
- Calculate and interpret different measures of descriptive statistics and be able to perform basic statistical analysis
- Develop and design common quantitative and qualitative needs assessment instruments

Assessment methods
Course participants are assessed on the basis of online quizzes, contribution to asynchronous online discussions, independent and peer group activities.

Learning and teaching methods
Online teaching methods include video and audio lectures, guest speakers, and asynchronous online discussions with teachers and peers, independent and group exercises including the development, application and results analysis of a needs assessment instrument.

Course dates
To be announced.

For further details on fee & program schedule, please see:
http://www.communityeyehealth.unsw.edu.au

Contact
Course convener
Ms S Sheeladevi
Email: sheela@lvpei.org
L V Prasad Eye Institute
Hyderabad, India