

The IDEPI short course at the federal University of Juiz de Fora: 30 July to 3 August 2018

The course will cover some, but not all, of the scope of the discipline of Infectious Disease Epidemiology (ID Epi). The following topics will be covered:

Terminology and special rates used in ID Epi. (Day 1)
Infectious disease modelling (conceptual, not mathematical) (Day 2)
Measuring vaccine efficacy with different kinds of study designs (Day 3)
Use of screening tests/ programmes – public health ID applications (not diagnostic testing)
Evaluating ID notification systems – a framework (Day 4)
ID Epi applications: STDs and Tuberculosis as examples (Day 5)

The course will not cover: Molecular epidemiology of IDs; Spatial analysis of IDs; Surveillance; Outbreak response; Epidemiology of nosocomial infections; vaccinology; the applied mathematics of ID modelling.

For pre-reading and reading during the course the following articles will be useful especially if scanned rather than studied in depth:

Francisco Rogerlandio Martins-Melo et al. Mortality from neglected tropical diseases in Brazil, 2000-2011. *Bull World Health Organ* 2016;94:103–110| doi: <http://dx.doi.org/10.2471/BLT.15.152363>

Eliseu Alves Waldman & Ana Paula Sayuri Sato. Path of infectious diseases in Brazil in the last 50 years: an ongoing challenge. *Rev Saude Publica* 2016; 50-68 DOI:10.1590/S1518-8787.2016050000232

Cameron Nutt & Patrick Adams. Zika in Africa: the invisible epidemic? *The Lancet* 2017; 389:1595-6.

Afranio Kritski et al. Tuberculosis: renewed challenge in Brazil. *Rev Soc Bras Med Trop* 2018; 51(1):2-6. Doi: 10.1590/0037-8682-0349-2017

Jonas Rodrigues de Menezes FGilho et al. 2017. Effectiveness of syndromic management for male patients with urethral discharge symptoms in Amazonas, Brazil. *An Bras Dermatol.* 2017;92(6):779-84 DOI: <http://dx.doi.org/10.1590/abd1806-4841.20175453>

The Brazil “TB Pages” from the World TB Report 2017 (supplied).