



Before Licensing Examination > Useful Resources

Topics

The following is a list of topics for reference; the list is neither exclusive nor exhaustive. Candidates are expected to have a good understanding of the biomedical basis and clinical management, where appropriate, of these conditions. Please note that the same topic can appear in more than one discipline if deemed appropriate.

Epidemiology & Community Medicine

i. Basic and Clinical Epidemiology

e.g.

- Descriptive and analytic methods
- Major causes of morbidity and mortality in Hong Kong
- Measures of health service utilisation
- Disease notification and registry
- Primary, secondary and tertiary prevention of diseases
- Screening
- Association and causality
- Risk predictive models

ii. Basic Biostatistics

e.g.

- Use of health information and vital statistics
- Study designs
- Statistical tools and analysis
- Systemic review and meta-analysis
- Guidelines for critical appraisal and reporting
- Measuring disease occurrence, risk and rate
- (Note: Formulae and calculation for significance testing are not required. Simple calculation not requiring a calculator may be needed.)



iii. Behavioural Sciences

e.g.

- World Health Organization (WHO) definition of health
- Doctor-patient relationships
- Sick role and help seeking behaviour
- Risk perception and risk behaviour
- Behaviour change models
- Psychosocial factors and social determinants of health, illness, disease and mortality
- Inequality and inequity in health and disease
- Quality of life, deviance and abnormality, impairment, disability and handicap
- Professionalism

iv. Prevention and Control of Major Risk Factors of Non-communicable Diseases (NCD)

e.g.

- Major NCD: e.g. cancer, cardiovascular disease, diabetes and chronic respiratory disease
- WHO's role, targets and strategies
- Tobacco: harm and control
- Alcohol: harm and control
- Modifiable lifestyle risk factors
- Overweight and obese: adverse effects and control
- Cancer prevention and screening
- The Hong Kong situation (government policies and actions)
- Hong Kong Cancer Registry, Department of Health and Centre for Health Protection, Tobacco Control Office, Hong Kong Council on Smoking and Health, Centre for Food Safety

v. Prevention and Control of Communicable Diseases

e.g.

- Principles of prevention and control
- Surveillance
- Outbreak investigation and control, isolation and quarantine
- Laboratory and testing
- Immunity and vaccination
- Agent-host-environment triangle



- Epidemiology and control of important / common infectious diseases in Hong Kong, such as food poisoning, hepatitis, tuberculosis, influenza and complications, childhood immunisation, flu and pneumococcal vaccination, COVID-19 and COVID-19 vaccination
- Emerging and re-emerging infectious diseases
- Infectious disease control in hospitals and other health care settings
- Occupational infectious diseases (particularly tuberculosis, HIV/AIDS)
- Cancer caused by infectious agents
- Travelers' health and port health
- Statutory notification of infectious diseases in Hong Kong

vi. Health Policy, Services, Management and Economics

e.g.

- Different health care systems and financing
- Evaluation methods (structure, process and outcomes)
- Elementary principles of health economics
- Situation and development in Hong Kong
- Primary care in Hong Kong
- Disease screening and early detection

vii. Occupational Health

e.g.

- Fitness to work
- Rehabilitation after sickness and injury
- Pre-employment and regular medical examination in occupational health
- Common occupational diseases and compensation (statutory compensation boards for noise induced hearing loss and pneumoconiosis) in Hong Kong
- Common exposures to work hazards (dust, chemical, physical, biological, ionising radiation and psychosocial)
- Specific work hazards in the health care settings and occupational diseases in health care professionals
- Prevention and statutory notification of occupational diseases in Hong Kong