

PAY ATTENTION DON'T BE A PATIENT

Learn More About Tuberculosis



Tuberculosis (TB) is a serious public health issue worldwide. It is one of the **top 10** causes of death. In 2019, an estimated **10 million** people fell ill with TB and **1.4 million** people died from TB globally.¹ Thus, it is meaningful to learn more about TB to protect ourselves.



TUBERCULOSIS IS SPREAD THROUGH THE AIR.



When a human with infective pulmonary tuberculosis **coughs** or **sneezes**, the bacteria penetrate to the air and generate disease if a susceptible human inhales it.¹

There is a wealth of evidence to support the transmission of TB in households.²



Transmission of TB to household contacts is most likely to occur when the contacts are²

< 15 YEAR OLDS

DURING THE INCUBATION PERIOD, IT FEELS NORMAL.

Most patients at this stage have no symptoms and are not contagious.⁵

ONCE SYMPTOMS BEGIN TO APPEAR, DEPENDING ON THE ORGANS AFFECTED:

Symptoms include coughing for more than 3 weeks, blood in the sputum or coughing up blood, chest pain, fever, night sweats, weight loss, poor appetite, fatigue, and weakness.⁵



RISK FACTORS OF TB-SPECIFIC DEATH

Comorbidity with Chronic Kidney Disease, Stroke or Chronic Liver Disease⁶



Elderly Age
Eastern Residence
Positive Sputum Bacteriology
Abnormal Chest X-ray⁶

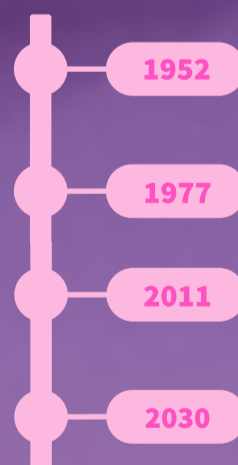


DIAGNOSIS METHODS

- 1. MEDICAL HISTORY:** Obtain the patient's history of TB disease, infection and exposure, and related symptoms of pulmonary TB.³
- 2. TEST FOR TB INFECTION:** The tuberculin skin test and the TB blood test can test for M. tuberculosis infection, which causes TB.³ The TB blood test is effective in testing for latent TB infection.⁴
- 3. CHEST RADIOGRAPH:** Can detect chest abnormalities, which may suggest TB.³



ELIMINATION OF TUBERCULOSIS IN HONG KONG

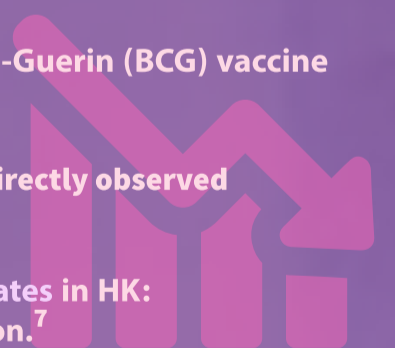


The Bacille Calmette-Guerin (BCG) vaccine came out.⁷

The introduction of directly observed treatment (DOT).⁷

The TB notification rates in HK: 70/ 100000 population.⁷

Trends showed that HK will be unable to meet the WHO target of a 90% drop in the incidence rate.⁷



TB notification rate: an index of active tuberculous disease which has been recognized and notified.

Video from the Centre for Health Protection

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