

Update on measles cases

The Centre for Health Protection (CHP) of the Department of Health (DH) is today (April 8) investigating five additional cases of measles infection.

As at 4pm today, three cases involving workers at Hong Kong International Airport (HKIA) were recorded. The first case involves a 25-year-old woman with good past health, who developed fever since April 2 and rash since April 4. She sought medical attention at the Accident and Emergency Department (AED) at Tuen Mun Hospital (TMH) on April 3 and was admitted for treatment. A laboratory test of her respiratory specimen was positive for the measles virus. She has been in a stable condition and was discharged from the hospital. She had received two doses of measles vaccination. She had travelled to Japan during the incubation period but had no travel history during the communicable period. According to the patient, she has had contact with a measles patient. The home contacts of the patient have remained asymptomatic so far and have been put under medical surveillance.

The second case involves a 23-year-old man with good past health, who developed fever and rash since April 2. He consulted a general practitioner (GP) on April 3 and then attended the AED at TMH for admission and treatment on the same day. A laboratory test of his respiratory specimen was positive for the measles virus. He has been in a stable condition and was discharged from the hospital. He had received two doses of measles vaccination. He had no travel history during the incubation period but had travelled to South Korea during the communicable period. According to the patient, he did not have contact with measles patients during the incubation period. The home contacts of the patient have remained asymptomatic so far and have been put under medical surveillance.

The third case involves a 29-year-old man with good past health, who developed fever on April 2 and rash since April 4. He consulted a GP on April 3 and attended the AED at Ruttonjee Hospital (RH) on April 4 and was admitted for treatment. A laboratory test of his respiratory specimen was positive for the measles virus. He has been in a stable condition and was discharged from the hospital. He had received two doses of measles vaccination. He had no travel history during the incubation period or the communicable period. According to the patient, he did not have contact with measles patients during the incubation period. The home contact of the patient has remained asymptomatic so far and has been put under medical surveillance.

Meanwhile, the CHP is investigating two other cases of measles infection. The fourth case involves a 28-year-old pregnant woman with good past health, who developed rash since April 4. She attended the AED at Pok Oi Hospital (POH) on April 5 and was transferred to TMH for admission and treatment on the same day. A laboratory test of her respiratory specimen was positive for the measles virus. She has been in a stable condition and had received two doses of measles vaccination. She had no travel history during

the incubation period or the communicable period. According to the patient, she did not have contact with measles patients during the incubation period. The home contact of the patient has remained asymptomatic so far and has been put under medical surveillance.

Initial investigations revealed that the patient had received regular antenatal check-ups at DH's Madam Yung Fung Shee Maternal and Child Health Centre (MCHC) during the communicable period. The DH has already stepped up infection control measures in the concerned MCHC, such as enhancing cleansing and disinfection, enhancing ventilation, reminding staff members and visitors to take proper infection controls measures like wearing masks and washing hands. Relevant epidemiological investigations and contact tracing are continuing.

The fifth case is an imported case which involves a 41-year-old man with good past health. He developed fever since April 1 and rash since April 2. He attended the AED at Queen Elizabeth Hospital (QEH) on April 3 and was admitted for treatment. A laboratory test of his respiratory specimen was positive for the measles virus. He has been in a stable condition. His measles vaccination history is unknown. He had travelled to the Philippines during the incubation period and the communicable period.

Upon notification of the cases, the CHP immediately commenced epidemiological investigations and conducted relevant contact tracing, including the crew member and passengers of the relevant cabin of the concerned flight. Initial investigations revealed that no contact has shown measles-related symptoms so far. Investigations are ongoing. The public places the patients visited during the communicable period are listed in the appendix.

"The incubation period (the period from infection to appearance of illness) of measles ranges from seven days to 21 days. Members of the general public who have visited the public places listed in the appendix during the period should observe if they develop relevant symptoms, such as fever, skin rash, cough, runny nose and red eyes in seven to 21 days (the medical surveillance period). If symptoms arise, they should wear surgical masks, stop going to work or school and avoid going to crowded places. They should also avoid contact with non-immune persons, especially persons with weakened immunity, pregnant women and children aged below 1. Those suspected to have been infected are advised to seek medical attention as early as possible and reveal relevant contact history of measles to healthcare professionals," a spokesman for the DH said.

Upon confirmation of measles outbreak, the DH has implemented control measures at the airport including vaccination and blood testing services. A total of 30 persons received measles vaccination at the vaccination stations as at 6pm today, bringing the cumulative number of vaccinations given to 7977. 101 blood samples have been collected today. The DH will notify the participants individually of the serology results. A hotline (2125 1122) has been set up for public enquiries and operates from 9am to 5.45pm daily. As of 5pm today, the hotline had received a total of 2952 enquiries.

From today to Friday (April 8 to 12), the vaccination quota for the measles vaccination station at the airport remains at 500 doses daily. Vaccination to eligible airport staff will be provided to the following target groups:

- (1) Born in or after 1967, and have not received two doses of measles vaccination, and have not been infected with measles before, and with evidence of living with infants under 1-year-old or living with pregnant women; or
- (2) Have laboratory evidence of testing not positive against measles antibody (IgG).

Details of evidence are as follows:

- (a) Supporting documents for living with infants under 1-year-old: for example birth certificate, discharge summary or vaccination card of the infant
- (b) Supporting documents for living with pregnant women: for example, positive pregnancy tests or antenatal follow-up cards of the pregnant women
- (c) Supporting documents for laboratory evidence: for example blood results from the DH's measles serology test or any laboratory within the past 12 months

The venue and operation hours of the airport vaccination station are as follows:

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| Venue: | Multi-function Room, HKIA Tower (Level 5, Terminal 2) |
| Hours: | April 8 to 12 10am to 1pm 2pm to 6pm |

As for the blood test service, the DH will continue with the provision of a measles serology test service for airport staff to identify those who need the measles vaccination. From today to Friday (April 8 to 12), the DH will provide blood test service daily to around 100 airport staff who were born in or after 1967, with priority to be given to staff belonging to target group (1).

The venue and operation hours of the airport blood test station are as follows:

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| Venue: | South side before the Immigration Hall at Level 3 of Terminal 2 (non-restricted area) |
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| Hours: | April 8 to 12 10am to 1pm 2pm to 6pm |
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