

DAILY UPDATE ON MEASLES SITUATION IN HONG KONG

As of 4:00 PM, May 20, 2019

In 2019, as of May 20, the Centre for Health Protection of the Department of Health received notification of 74 cases of measles infection. They were 46 males and 28 females, aged from 8 months to 49 years, including:

- 29 cases were associated with the outbreak among workers in the Hong Kong International Airport (HKIA)^a;
- 10 cases involved in 3 clusters with epidemiological linkage:
 - The first cluster affected an infant aged 11 months and her relative living in the same household with both having travelled to Mainland China during their incubation period (IP);
 - The second cluster affected an 8-month old infant with travel history to Thailand during the IP with his father; and
 - The third cluster affected 6 workers at a retail shop in Tsim Sha Tsui (TST).
- 2 cases affecting healthcare workers; and
- 33 cases without obvious epidemiological linkage identified so far, and the majority had travel history outside Hong Kong during their IP.

^aRemark: The date the patients in the HKIA outbreak last visited the airport during the communicable period was April 5. As at 17 May, there were no new associated cases for 42 days (i.e. two longest incubation periods) and thus this outbreak was considered to have ended.

Summary of measles cases in 2019 (as of May 20, 2019):

Case number	Sex/Age	Date of rash onset	Travel history within incubation period	Case classification	Place of birth	Genotype	Documented evidence of measles vaccination	Current condition	Remarks
1	M/41	29/12/2018	Japan	Imported	Hong Kong	D8	Unknown	Discharged	
2	F/40	09/01/2019	Philippines	Imported	Non-local born	B3	Unvaccinated	Discharged	
3#	F/11 months	12/01/2019	Mainland (Fujian)	Imported	Hong Kong	B3	Unvaccinated	Discharged	
4	F/39	12/01/2019	Philippines	Imported	Non-local born	B3	Unvaccinated	Discharged	
5#	F/33	16/01/2019	Mainland (Fujian)	Imported	Non-local born	(RT-PCR negative)	Unknown	Discharged	
6	M/22	23/01/2019	Germany	Pending	Hong Kong	D8	Unknown	Discharged	
7	F/38	28/01/2019	Philippines	Imported	Non-local born	B3	Unvaccinated	Discharged	
8	F/38	22/02/2019	Philippines	Imported	Non-local born	B3	Unknown	Discharged	
9	M/34	27/02/2019	Nepal & United States	Imported	Non-local born	B3	Unknown	Discharged	
10^	M/23	04/03/2019	United States & Korea	Pending	Hong Kong	B3	Unknown	Discharged	Flight attendant of an airline
11	F/26	10/03/2019	Philippines	Imported	Non-local born	B3	Unknown	Discharged	
12	M/41	11/03/2019	Mainland (Shenzhen)	Pending	Non-local born	(RT-PCR negative)	Unknown	Discharged	
13	M/38	16/03/2019	Australia (Sydney)	Pending	Hong Kong	D8	Unknown	Discharged	
14	M/34	06/03/2019	Nil	Pending	Non-local born	(RT-PCR negative)	Unknown	Discharged	

Case number	Sex/Age	Date of rash onset	Travel history within incubation period	Case classification	Place of birth	Genotype	Documented evidence of measles vaccination	Current condition	Remarks
15	F/11 months	19/03/2019	Taiwan (Taichung)	Pending	Hong Kong	B3	Unvaccinated	Discharged	
16^	M/22	19/03/2019	Nil	Pending	Hong Kong	B3	2 doses	Discharged	Baggage handler (Level 7, T1, HKIA)
17^	M/40	14/03/2019	Nil	Pending	Non-local born	B3	Unvaccinated	Discharged	Airport security guard (Level 5, T1, HKIA)
18^	F/46	19/03/2019	Nil	Pending	Non-local born	B3	Unvaccinated	Discharged	Baggage handler (Level 5, T1, HKIA)
19^	M/41	12/03/2019	Philippines (Manila)	Pending	Non-local born	B3	Unknown	Discharged	Pilot of an airline
20	M/27	20/03/2019	Japan (Fukuoka)	Pending	Hong Kong	B3	Unknown	Discharged	
21^	M/23	22/03/2019	Macao & Mainland (Zhuhai)	Pending	Hong Kong	B3	Unknown	Discharged	Airport security guard (Level 7, T1, HKIA)
22^	F/25	23/03/2019	Nil	Pending	Hong Kong	B3	Unknown	Discharged	Airport security supervisor (T1 & T2, HKIA)
23^	F/41	21/03/2019	Nil	Pending	Hong Kong	B3	Unknown	Discharged	MUJI shop assistant (Non-restricted area, Level 7, T1, HKIA)
24	F/43	17/03/2019	Mainland (Shenzhen)	Pending	Non-local born	B3	Unknown	Discharged	
25	M/39	22/03/2019	Nil	Pending	Non-local born	B3	Unknown	Discharged	
26^	M/28	23/03/2019	Nil	Pending	Hong Kong	B3	2 doses	Discharged	Customs & Excise Department officer (Level 2, T1, HKIA)
27^	M/31	23/03/2019	Nil	Pending	Hong Kong	B3	Unknown	Discharged	MTR staff at Airport station
28^	F/21	25/03/2019	Nil	Pending	Hong Kong	B3	2 doses	Discharged	McCafe staff (Level 8, T1, HKIA)

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29	M/43	17/03/2019	Japan (Okinawa)	Pending	Hong Kong	B3	Unknown	Discharged	
30[®]	M/8 months	20/03/2019	Thailand (Bangkok & Hua Hin)	Pending	Hong Kong	B3	Unvaccinated	Discharged	
31	M/17	25/03/2019	Philippines	Imported	Non-local born	B3	Unknown	Discharged	
32[^]	M/49	27/03/2019	Nil	Pending	Hong Kong	B3	Unknown	Discharged	Clerical worker (Level 2, T1, HKIA)
33[*]	F/26	28/03/2019	Nil	Pending	Hong Kong	D8	Unknown	Discharged	Clerk of an airline (5/F, Cathay City)
34[^]	M/23	28/03/2019	Mainland (Shenzhen)	Pending	Hong Kong	B3	Unknown	Discharged	Airport security guard (Level 7, T1, HKIA)
35[^]	F/24	29/03/2019	Mainland (Shenzhen)	Pending	Non-local born	B3	2 doses	Discharged	Passenger service officer (Level 5, T1, HKIA)
36[^]	M/37	30/03/2019	Nil	Pending	Hong Kong	B3	Unknown	Discharged	Senior supervisor (Basement, T1, HKIA)
37[^]	M/23	28/03/2019	Nil	Pending	Hong Kong	B3	2 doses	Discharged	Airport security guard (Level 7, T1, HKIA)
38[^]	M/29	27/03/2019	Nil	Pending	Hong Kong	B3	2 doses	Discharged	Customer service representative (T1 & T2, HKIA)
39[^]	M/23	30/03/2019	Nil	Pending	Non-local born	B3	Unknown	Discharged	Ramp coordinator (Cathay Pacific Cargo Terminal, HKIA)
40	M/23	01/04/2019	Nil	Pending	Hong Kong	B3	2 doses	Discharged	Healthcare worker
41[®]	M/27	31/03/2019	Nil	Pending	Non-local born	B3	Unknown	Discharged	
42[^]	F/45	01/04/2019	Nil	Pending	Non-local born	B3	Unknown	Discharged	Airport security guard (Level 5, T1,

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									HKIA)
43^	M/31	30/03/2019	Cambodia	Pending	Hong Kong	B3	Unknown	Discharged	Baggage service supervisor (Level 5, T1, HKIA)
44^	M/23	01/04/2019	Nil	Pending	Hong Kong	B3	3 doses (3 rd dose was administered at the vaccination station in HKIA on 29/03/2019)	Discharged	Passenger service officer (Restricted area, Level 5, T1, HKIA)
45	M/31	30/03/2019	Mainland (Shenzhen)	Pending	Non-local born	B3	Unknown	Discharged	
46	F/2	31/03/2019	Nil	Pending	Hong Kong	(RT-PCR negative)	1 dose	Discharged	
47	M/11 months	01/04/2019	Mainland (Shenzhen)	Imported	Hong Kong	B3	Unvaccinated	Discharged	
48	M/31	02/04/2019	Vietnam	Pending	Non-local born	D8	Unknown	Discharged	
49^	F/24	02/04/2019	Taiwan (Taipei)	Pending	Hong Kong	B3	3 doses (3 rd dose was administered at the vaccination station in HKIA on 23/03/2019)	Discharged	Baggage service officer (Level 6, T1, HKIA)
50	M/22	01/04/2019	Japan	Pending	Hong Kong	B3	1 dose	Discharged	
51^	F/20	03/04/2019	Nil	Pending	Hong Kong	B3	Unknown	Discharged	Baggage service officer (Level 5, T1, HKIA)
52	F/20	03/04/2019	Nil	Pending	Non-local born	B3	Unknown	Discharged	Healthcare worker
53	M/36	02/04/2019	Turkey & Tunisia	Pending	Hong Kong	B3	Unknown	Discharged	
54 ^{&}	M/14 months	02/04/2019	Nil	Deleted	Hong Kong	Not applicable	1 dose	Discharged	Deleted case
55^	M/25	04/04/2019	Thailand	Pending	Hong Kong	B3	Unknown	Discharged	Passenger service officer (Level 7, T1,

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									HKIA)
56^	M/30	05/04/2019	Nil	Pending	Non-local born	B3	Unknown	Discharged	Viet's Choice staff (Level 5, T2, HKIA)
57^	F/25	04/04/2019	Japan	Pending	Hong Kong	B3	2 doses	Discharged	Baggage service officer (Level 5 & 6, T1, HKIA)
58^	M/23	02/04/2019	Nil	Pending	Hong Kong	B3	2 doses	Discharged	Passenger reception officer (Restricted area, Level 5 & 6, T1, HKIA)
59^	M/29	04/04/2019	Nil	Pending	Hong Kong	B3	2 doses	Discharged	Passenger service officer (Level 7, T1, HKIA)
60	F/28	04/04/2019	Nil	Pending	Hong Kong	D8	2 doses	Discharged	
61	M/41	02/04/2019	Philippines	Imported	Non-local born	B3	Unknown	Discharged	
62	F/23	05/04/2019	Nil	Pending	Hong Kong	B3	Unknown	Discharged	
63^{&}	F/2	06/04/2019	Nil	Deleted	Hong Kong	Not applicable	Unknown	Discharged	Deleted case
64	M/31	03/04/2019	Taiwan	Pending	Hong Kong	B3	Unknown	Discharged	
65^	M/24	03/04/2019	Japan	Pending	Hong Kong	B3	Unknown	Discharged	Passenger service supervisor (Level 7, T1 & Level 5, T2, HKIA)
66	F/45	15/04/2019	Taiwan (Taipei)	Pending	Hong Kong	D8	Unknown	Discharged	
67	M/37	20/04/2019	Singapore & Malaysia	Pending	Hong Kong	D8	Unknown	Discharged	
68	M/40	29/04/2019	Mainland (Zhuhai)	Pending	Non-local born	B3	Unvaccinated	Discharged	
69	M/47	08/05/2019	Nil	Pending	Hong Kong	Pending	Unknown	Discharged	
70	F/27	08/05/2019	Philippines	Pending	Non-local born	Pending	Unknown	Discharged	
71⁺	M/30	10/05/2019	Nil	Pending	Hong Kong	Pending	2 doses	Discharged	Staff of a retail shop in TST
72⁺	F/25	11/05/2019	Nil	Pending	Hong Kong	Pending	2 doses	Discharged	Staff of a retail shop in TST

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73⁺	F/25	10/05/2019	Macao	Pending	Hong Kong	Pending	Unknown	Discharged	Staff of a retail shop in TST
74⁺	F/27	13/05/2019	Nil	Pending	Hong Kong	Pending	Unknown	Discharged	Staff of a retail shop in TST
75⁺	M/31	12/05/2019	Nil	Pending	Hong Kong	Pending	Unknown	Discharged	Staff of a retail shop in TST
76	M/29	13/05/2019 ^b	Nil	Pending	Hong Kong	Pending	3 doses (3 rd dose was received on 13/05/2019)	Discharged	Staff of a retail shop in TST

[^]Cases associated with the outbreak among workers in the HKIA.

[#]Cases with epidemiological linkage.

[@]Cases with epidemiological linkage.

^{*}The genotype of this case is different from that of the cases of the HKIA cluster.

[&]Upon further laboratory test, this case was confirmed to be caused by vaccine strain, hence this is classified as vaccine-associated measles and is not a confirmed case of measles.

⁺Cases with epidemiological linkage.

^bSince this case presented with no rash, the date indicated in the table and epidemic curve represents the date of fever onset of the patient.

