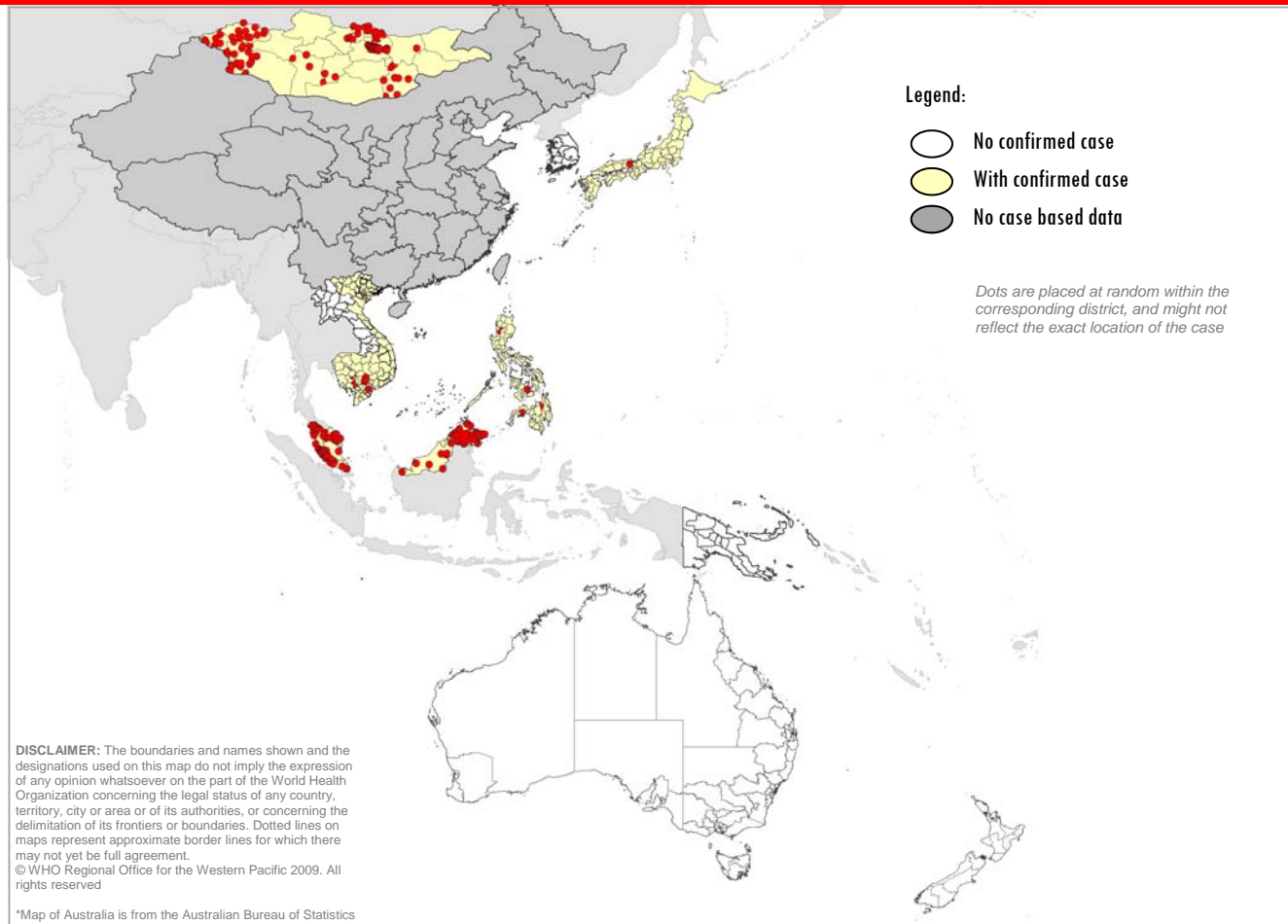


MEASLES-RUBELLA

Figure 1. Distribution of confirmed measles cases with rash onset 1–31 January 2016, WHO Western Pacific Region



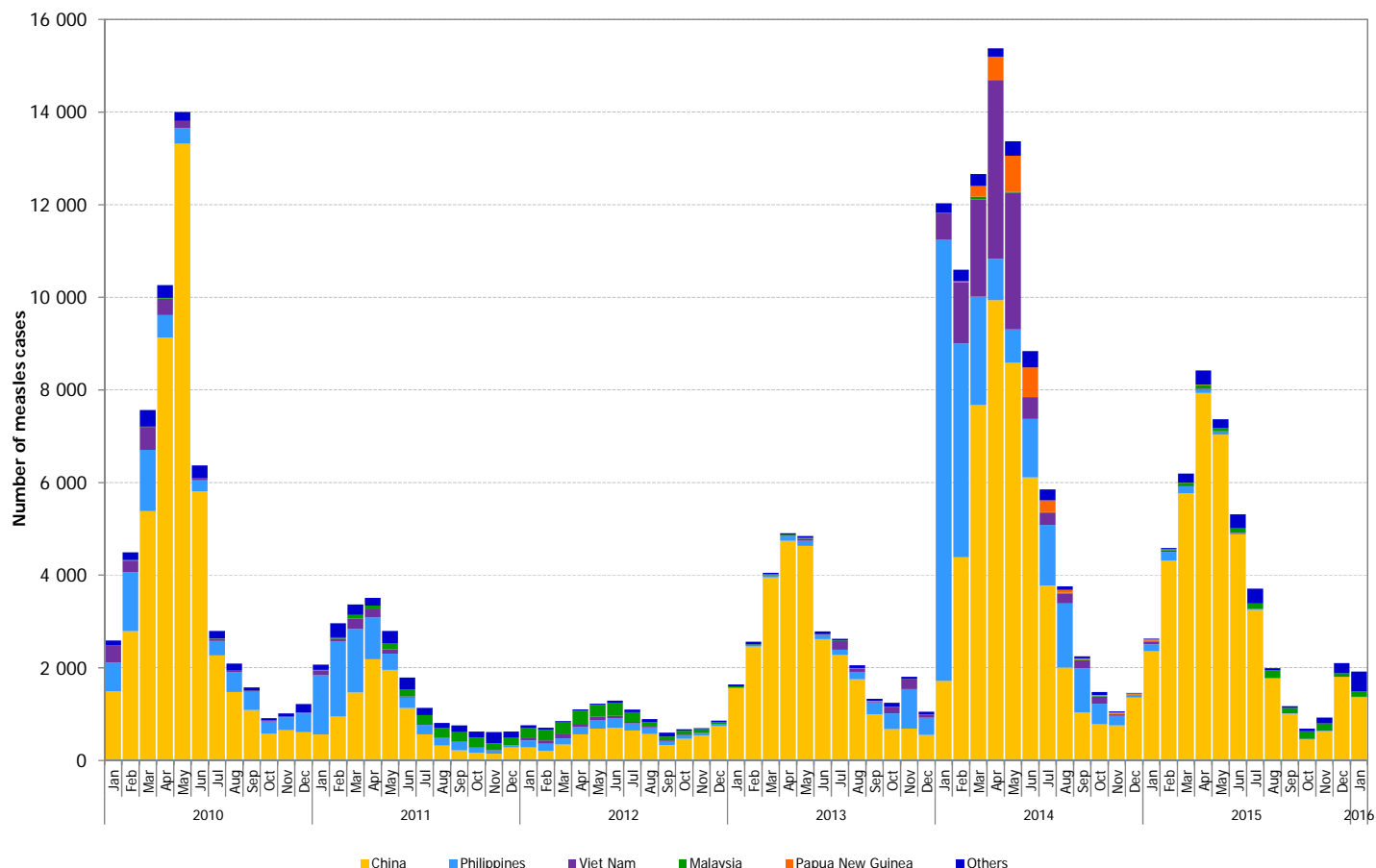
Source: Measles and rubella monthly country reports to the Western Pacific Regional Office by 20 February 2016

Table 1. Confirmed measles cases by month of rash onset, February 2015 – January 2016, WHO Western Pacific Region

Country/area	2015												2016
	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	
Australia	6	11	9	5	5	3	7	9	0	4	5	0	
Brunei Darussalam	0	0	1	3	0	0	0	0	0	0	0	0	
Cambodia	0	0	0	0	0	0	0	0	0	0	0	2	
China	4312	5767	7937	7035	4882	3249	1772	1011	453	635	1805	1366	
China, Hong Kong SAR	1	1	2	3	2	1	0	1	0	1	0	0	
China, Macao SAR	0	0	0	0	0	0	0	0	0	0	0	0	
Japan	2	3	11	2	3	1	1	1	3	3	1	1	
Lao People's Democratic Republic	3	6	2	0	0	0	0	0	0	0	0	0	
Malaysia	29	55	83	71	92	117	163	116	163	153	75	119	
Mongolia	0	159	265	162	290	301	32	16	53	116	216	420	
New Zealand	2	3	2	5	0	0	0	0	0	0	1	0	
Papua New Guinea	5	7	2	0	0	1	0	0	0	2	0	0	
Philippines	193	148	69	50	30	18	9	7	7	6	1	4	
Republic of Korea	0	4	1	0	1	1	0	0	0	0	0	0	
Singapore	3	2	7	2	2	8	2	4	3	3	1	0	
Viet Nam	31	22	25	24	6	8	4	0	7	3	0	4	
Pacific island countries and areas	2	7	2	3	0	0	0	3	0	0	0	0	
Western Pacific Region	4589	6195	8418	7226	5313	3708	1990	1168	689	926	2105	1916	

Source: Case based and aggregate data reports to the Western Pacific Regional Office by 20 February 2016

Figure 2. Confirmed measles cases by month of rash onset, WHO Western Pacific Region, 2010–2016 as of 20 February 2016



Source: Measles and rubella monthly country reports to WHO by 20 February 2016
Includes laboratory confirmed, epi-linked and clinically confirmed cases for 2010–2012

Table 2. Status of measles verification, WHO Western Pacific Region

Country/area	Year verified	2015						2016					
		No. of confirmed cases	Source of infection				% of cases with known source of infection	No. of confirmed cases	Source of infection				% of cases with known source of infection
			Imported	Import-related	Unknown/not reported	Endemic			Imported	Import-related	Unknown / not reported	Endemic	
Australia	2014	74	33	30	11	0	85.1%	0	-	-	-	-	-
Brunei Darussalam	2015	4	1	3	0	0	100.0%	0	-	-	-	-	-
Cambodia	2015	0	-	-	-	-	-	2	0	0	2	0	0.0%
China	-	41 217	0	0	41 217	0	0.0%	1 366	0	0	1 366	0	0.0%
China, Hong Kong SAR	-	12	3	0	9	0	25.0%	0	-	-	-	-	-
China, Macao SAR	2014	0	-	-	-	-	-	0	-	-	-	-	-
Japan	2015	32	16	10	6	0	81.3%	1	0	0	1	0	0.0%
Lao People's Democratic Republic	-	11	0	0	11	0	0.0%	0	-	-	-	-	-
Malaysia	-	1 135	2	0	516	617	0.2%	119	0	0	44	75	0.0%
Mongolia	2014	1 612	0	1 611	1	0	99.9%	420	0	420	0	0	100.0%
New Zealand	-	13	0	0	13	0	0.0%	0	-	-	-	-	-
Papua New Guinea	-	51	0	0	51	0	0.0%	0	-	-	-	-	-
Philippines	-	688	0	0	688	0	0.0%	4	0	0	4	0	0.0%
Republic of Korea	2014	7	3	1	3	0	57.1%	0	-	-	-	-	-
Singapore	-	39	9	1	29	0	25.6%	0	-	-	-	-	-
Viet Nam	-	183	0	0	183	0	0.0%	4	0	0	4	0	0.0%
Pacific island countries and areas	-	20	0	0	20	0	0.0%	0	-	-	-	-	-
Total		45 098	67	1 656	42 758	617	3.8%	1 916	0	420	1 421	75	21.9%

Blue No measles cases
Green ≥80%
Yellow 60–79%
Red <60%

Source: Measles and rubella monthly country reports to WHO by 20 February 2016

Table 3. Measles case classification and incidence by country and area, WHO Western Pacific Region, 2010–2016 as of 20 February 2016

Country/area	2012		2013		2014		2015		2016										Rash onset of last confirmed measles case
	Total confirmed ¹	Measles incidence per 1 million pop.	Total confirmed ²	Measles incidence per 1 million pop.	Total confirmed ²	Measles incidence per 1 million pop.	Total confirmed	Measles incidence per 1 million pop.	Population (in millions) ³	Suspected measles cases	Pending classification	Discarded cases ⁴	Compatible cases	Confirmed measles cases				Deaths due to measles	
														Lab	Epi-linked	Total confirmed	Annualized measles incidence per 1 million pop.		
Australia	199	8.7	154	6.6	340	14.5	74	3.3	24.3	NA ⁴	-	-	-	-	-	-	0.0	-	17-Dec-15
Brunei Darussalam	1	2.4	0	0.0	0	0.0	4	9.0	0.4	3	0	3	0	0	0	0	0.0	0	16-May-15
Cambodia	0	0.0	0	0.0	0	0.0	0	0.0	15.8	65	9	54	0	2	0	2	1.5	0	12-Jan-16
China	6 183	4.6	26 912	19.8	48 123	35.3	41 217	29.5	1 382.3	4 303	609	1 910	418	1 363	3	1 366	11.9	0	31-Jan-16
China, Hong Kong SAR	8	1.1	34	4.7	46	6.3	12	1.6	7.3	5	0	5	0	0	0	0	0.0	0	2-Nov-15
China, Macao SAR	1	1.8	3	5.2	1	1.7	0	0.0	0.6	2	1	1	0	0	0	0	0.0	0	3-Jun-14
Japan	228	1.8	141	1.1	434	3.4	32	0.3	126.3	6	2	3	0	1	0	1	0.1	0	2-Jan-16
Lao People's Democratic Republic	36	5.6	68	10.5	70	10.7	11	1.6	6.9	122	21	101	0	0	0	0	0.0	0	16-Apr-15
Malaysia	1 868	63.7	177	5.9	213	7.0	1 135	37.8	30.8	498	150	199	30	116	3	119	46.4	0	24-Jan-16
Mongolia	0	0.0	0	0.0	0	0.0	1 612	564.7	3.0	2 763	110	275	1 958	420	0	420	1676.4	0	31-Jan-16
New Zealand	55	12.3	9	2.0	263	57.7	13	2.9	4.6	0	-	-	-	-	-	-	0.0	-	4-Dec-15
Papua New Guinea	0	0.0	7	1.0	2 589	345.9	51	6.6	7.8	0	-	-	-	-	-	-	0.0	-	14-Nov-15
Philippines	1 536	15.9	3 777	38.5	23 708	237.6	688	6.8	102.3	146	8	86	41	4	0	4	0.5	0	19-Jan-16
Republic of Korea	2	0.0	107	2.2	442	9.0	7	0.1	50.5	17	5	12	0	0	0	0	0.0	0	14-Jul-15
Singapore	40	7.6	56	10.6	134	25.1	39	7.7	5.7	1	0	1	0	0	0	0	0.0	0	15-Dec-15
Viet Nam	637	5.9	895	9.9	12 223	133.5	183	2.0	94.4	26	15	7	0	4	0	4	0.5	0	10-Jan-16
Pacific island countries and areas ⁵	0	0.0	0	0.0	273	83.4	20	6.1	3.3	10	0	10	0	0	0	0	0.0	0	19-Sep-15
Western Pacific Region	10 794	5.9	32 340	17.7	88 859	48.3	45 098	24.1	1 866.3	7 967	930	2 667	2 447	1 910	6	1 916	12.3	0	

¹ Includes laboratory confirmed, epi-linked and clinically confirmed cases for 2009 to 2012.

² Includes laboratory confirmed and epi-linked confirmed cases from 2013 to 2016.

³ United Nations, Department of Economic and Social Affairs, Population Division World Population Prospects.

⁴ Australia reports confirmed cases only.

⁵ Classification is provisional based on laboratory data only.



Table 4. Measles surveillance performance indicators by country and area, WHO Western Pacific Region, 2015–2016 as of 20 February 2016

Country/area	2015				2016			
	Discarded non-measles rate per 100 000 pop	Second level units with ≥ 2 discarded cases per 100 000 pop (annualized)	Suspected cases with adequate investigation	Suspected cases with adequate blood specimens ¹	Annualized discarded non-measles rate per 100 000 pop	Second level units with ≥ 2 discarded cases per 100 000 pop (annualized)	Suspected cases with adequate investigation	Suspected cases with adequate blood specimens ¹
	≥ 2	≥ 80%	≥ 80%	≥ 80%	≥ 2	≥ 80%	≥ 80%	≥ 80%
Australia ²	Insufficient data	Insufficient data	Insufficient data	Insufficient data	Insufficient data	Insufficient data	Insufficient data	Insufficient data
Brunei Darussalam	4.5	100.0%	100.0%	95.8%	8.4	0.0%	100.0%	100.0%
Cambodia	4.4	91.7%	80.5%	98.7%	4.1	8.3%	83.1%	100.0%
China	4.5	83.9%	95.0%	85.7%	1.7	3.2%	88.2%	73.4%
China, Hong Kong SAR	2.1	100.0%	98.8%	97.7%	0.8	0.0%	100.0%	100.0%
China, Macao SAR	1.8	0.0%	100.0%	100.0%	2.0	100.0%	100.0%	100.0%
Japan	0.2	0.0%	Insufficient data	Insufficient data	0.0	0.0%	Insufficient data	Insufficient data
Lao People's Democratic Republic	7.6	88.2%	79.6%	79.9%	17.5	17.6%	30.3%	30.3%
Malaysia	10.0	87.5%	73.5%	84.4%	7.8	81.3%	72.5%	82.6%
Mongolia	52.5	81.8%	7.7%	13.6%	109.8	50.0%	0.4%	28.1%
New Zealand		Insufficient data	Insufficient data	Insufficient data	0.0	Insufficient data	Insufficient data	Insufficient data
Papua New Guinea	1.5	20.0%	56.5%	84.7%	0.0	0.0%	Not applicable	Not applicable
Philippines	1.4	29.4%	56.8%	69.7%	1.0	0.0%	53.4%	78.8%
Republic of Korea	0.6	81.3%	68.8%	74.5%	0.3	0.0%	29.4%	41.2%
Singapore	1.1	0.0%	92.9%	19.2%	0.2	0.0%	100.0%	0.0%
Viet Nam	1.5	15.6%	42.2%	70.4%	0.1	0.0%	26.9%	73.1%
Pacific island countries and areas	6.4	17.4%	0.0%	70.4%	3.7	4.3%	0.0%	20.0%
Western Pacific Region	3.9	44.3%	78.6%	73.9%	1.7	10.7%	54.8%	57.8%

¹ Excludes epidemiologically-linked cases.

² Reports only confirmed cases.

Green
Yellow
Red

Reached or surpassed target

Nearly reached target: 1.00–1.99 for non-measles suspected case rate; 10.1–25% for percent clinically confirmed cases; 60–75

Substantially below target

Table 5. Rubella case classification and incidence by country and area, WHO Western Pacific Region, 2015–2016 as of 20 February 2016

Country/area	2014		2015		2016										
	Total confirmed	Rubella incidence per 1 million pop.	Total confirmed	Rubella incidence per 1 million pop.	Population (in millions) ¹	Investigated rubella cases	Pending classification	Discarded cases	Compatible cases	Confirmed rubella cases				Congenital rubella syndrome	
										Lab	Epi-linked	Total confirmed	Annualized rubella incidence per 1 million pop.		
Australia	-	-	-	-	24.31	-	-	-	-	-	-	-	-	-	-
Brunei Darussalam	0	0.0	0	0.0	0.43	3	0	3	0	0	0	0	0.0	-	
Cambodia	30	2.0	18	1.1	15.83	54	0	54	0	0	0	0	0.0	-	
China	11 887	8.7	8 245	5.9	1 382.32	4 303	0	0	0	-	-	288	2.5	-	
China, Hong Kong SAR	1	0.1	7	0.9	7.35	0	-	-	-	-	-	0	0.0	-	
China, Macao SAR	0	0.0	2	3.5	0.60	1	1	1	0	0	0	0	0.0	-	
Japan	-	-	-	-	126.32	-	-	-	-	-	-	-	-	-	
Lao People's Democratic Republic	18	2.8	16	2.3	6.92	101	0	80	0	3	18	21	36.4	-	
Malaysia	226	7.5	25	0.8	30.75	504	151	353	0	0	0	0	0.0	-	
Mongolia	0	0.0	28	9.8	3.01	616	10	606	0	0	0	0	0.0	-	
New Zealand	-	-	-	-	4.57	-	-	-	-	-	-	-	-	-	
Papua New Guinea	-	-	1	0.1	7.78	0	-	-	-	-	-	0	0.0	-	
Philippines	343	3.4	154	1.5	102.25	93	0	86	0	7	0	7	0.8	-	
Republic of Korea	2	0.0	2	0.0	50.50	17	5	12	0	0	0	0	0.0	-	
Singapore	0	0.0	1	0.2	5.70	0	-	-	-	-	-	0	0.0	-	
Viet Nam	50	0.5	255	2.7	94.44	26	15	11	0	0	0	0	0.0	-	
Pacific island countries and areas ²	4	1.2	0	0.0	3.25	10	0	10	0	0	0	0	0.0	-	
Western Pacific Region	12 561	6.8	8 754	4.7	1 866.32	5 728	182	1 216	0	10	18	316	2.0	-	

¹ United Nations, Department of Economic and Social Affairs, Population Division World Population Prospects.

² Classification is provisional based on laboratory data only.

"-" No data

<1 confirmed measles case / 1 000 000 population

1-9.9 confirmed measles case / 1 000 000 population

>= 10 confirmed cases / 1 000 000 population

No data

Green

Yellow

Red

Gray

Table 6A. Measles and rubella laboratory testing, WHO Western Pacific Region, 2015 as of 20 February 2016

Country/area	Laboratory	Measles and rubella			Measles												Rubella			
					Serology						Virus detection						Serum and blood (includes DBS)			
		Total number of samples received	Total number of samples tested	Total number of cases tested	Serum			Blood		% of samples with results ≤4 days	Measles Virus isolation/detection (swab, urine and others)		Measles Reverse Transcription-Polymerase Chain Reaction		Total number of lab confirmed cases	Samples tested for rubella IgM		Rubella IgM (+)		Rubella IgM equiv
					Samples tested for measles IgM	Measles IgM (+)	Measles IgM equiv	DBS samples	No. received		No. (+)	No. of samples tested	No. of isolates	No. of samples tested		No. (+)	No.	No.	%	
No.	No.	%	No.	No. received	No. (+)	%	No. of samples tested	No. of isolates	No. of samples tested	No. (+)	No.	No.	%	No.	No.	%	No.			
Australia	VIDRL	101	101	67	26	16	61.5	1	0	-	92.3	0	-	76	69	63	2	1	-	0
Brunei Darussalam	DLS	40	40	33	33	4	12.1	1	0	-	90.9	0	-	4	1	4	29	0	0.0	0
Cambodia	NIPH	712	712	712	608	0	0.0	0	104	0	96.6	0	-	0	-	0	712	18	2.5	0
China ³	CCDC	-	-	-	-	-	-	-	-	-	90.3	-	-	-	-	-	-	-	-	-
China, Hong Kong SAR	PHLC	613	613	506	540	13	2.4	13	0	-	89.1	7	6	70	15	18	522	12	2.3	0
China, Macao SAR	PHL	43	43	43	43	0	0.0	2	0	-	100.0	0	-	0	-	0	43	1	2.3	1
Japan	NIID	448	409	318	82	14	17.1	22	0	-	-	0	-	207	23	30	4	0	-	0
Lao People's Democratic Republic	NCLE	486	486	486	486	13	2.7	13	0	-	88.7	0	-	0	-	13	479	20	4.2	45
Malaysia	NPHL	6 949	6 949	5 962	5 599	1 697	30.3	130	0	-	71.3	881	50	0	-	1 722	3 791	58	1.5	42
Mongolia	NCCD	4 935	4 935	4 754	4 679	1 884	40.3	442	0	-	96.0	14	1	266	135	1 956	2 875	36	1.3	38
New Zealand	CHL	383	383	317	157	8	5.1	3	0	-	94.9	1	0	208	9	15	103	0	0.0	1
Papua New Guinea	CPHL	196	196	196	196	57	29.1	18	0	-	48.4	0	-	0	-	57	43	4	9.3	0
Philippines	RITM	2 498	2 461	2 514	2 396	641	26.8	88	59	9	80.1	51	10	51	20	646	1 793	90	5.0	85
Republic of Korea	KCDC	641	641	492	397	26	6.5	23	0	-	86.8	0	-	245	4	28	236	10	4.2	16
Singapore	SGH	600	607	572	136	12	8.8	0	0	-	86.5	143	0	0	0	12	303	6	2.0	0
Viet Nam (central)	PI	307	307	307	303	7	2.3	3	0	-	54.3	0	-	5	0	7	304	13	4.3	8
Viet Nam (highland)	NIHE	43	43	43	43	7	16.3	0	0	-	55.8	0	-	0	0	7	43	2	4.7	1
Viet Nam (northern)	NIHE	309	309	311	305	52	17.0	10	0	-	93.8	4	0	4	0	52	258	8	3.1	5
Viet Nam (southern)	PI	1 340	1 340	1 308	1 304	134	10.3	49	0	-	96.5	36	0	36	0	134	1 304	654	50.2	31
Fiji	FCCDC	146	146	146	138	1	0.7	2	8	0	-	0	-	0	-	1	124	0	0.0	1
Vanuatu	FCCDC	87	87	87	49	15	30.6	2	38	4	-	0	-	0	-	19	87	0	0.0	0
Total		20 877	20 808	19 174	17 520	4 601	26.3	822	209	13	83.6	1 137	67	1 172	276	4 784	13 055	933	7.1	274

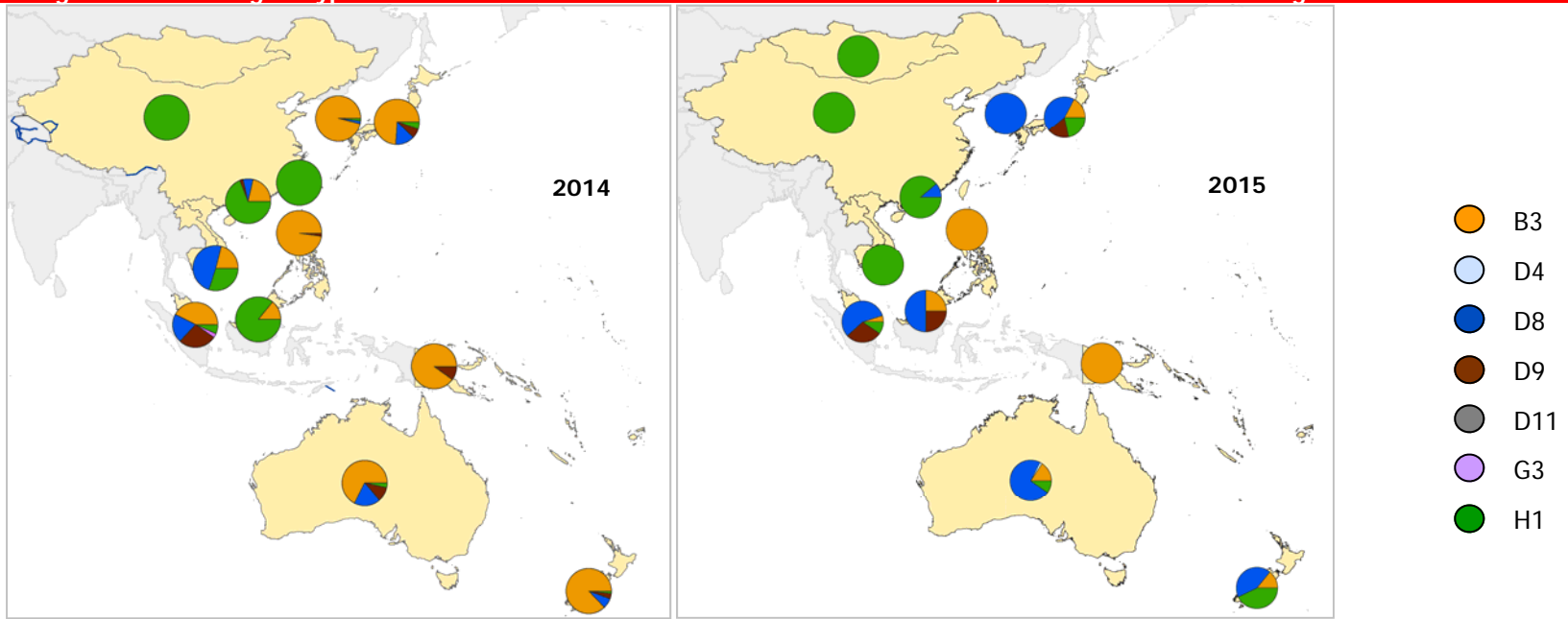
"-" No data

Table 6B. Measles and rubella laboratory testing, WHO Western Pacific Region, 2016 as of 20 February 2016

Country/area	Laboratory	Measles and rubella			Measles										Rubella			
					Serology					Virus detection					Serum and blood (includes DBS)			
		Total number of samples received	Total number of samples tested	Total number of cases tested	Serum			Blood		% of samples with results ≤ 4 days	Measles Virus isolation / detection (swab, urine and others)		Measles Reverse Transcription-Polymerase Chain Reaction		Total number of lab confirmed cases	Samples tested for rubella IgM	Rubella IgM (+)	Rubella IgM equiv
					No.	No.	No.	No. received	No. (+)		No. of samples tested	No. of isolates	No. of samples tested	No. (+)		No.	No.	No.
Australia	VIDRL	3	3	1	0	0	0	0	-	NA	0	-	1	0	0	1	1	0
Brunei Darussalam	DLS	5	5	3	3	0	0	0	-	100.0	0	-	0	-	0	3	0	0
Cambodia	NIPH	712	56	56	42	2	0	14	0	100.0	0	-	0	-	0	56	0	0
China ³	CCDC	-	-	-	-	-	-	-	-	90.3	-	-	-	-	-	-	-	-
China, Hong Kong SAR	PHLC	31	31	27	28	0	0	0	-	96.3	0	0	3	0	0	28	0	0
China, Macao SAR	PHL	2	2	2	2	1	0	0	-	100.0	0	-	0	-	1	2	1	1
Japan	NIID	7	7	7	2	1	1	0	-	-	0	-	4	1	1	1	0	0
Lao People's Democratic Republic	NCLE	30	30	30	30	0	0	0	-	88.7	0	-	0	-	13	30	4	1
Malaysia	NPHL	772	772	592	567	178	11	0	-	92.6	113	12	0	-	179	386	7	3
Mongolia	NCCD	0	0	0	0	-	-	0	-	NA	0	-	0	-	-	0	-	-
New Zealand	CHL	23	23	21	6	0	2	0	-	100.0	0	-	16	1	1	6	0	0
Papua New Guinea	CPHL	0	0	0	0	-	-	0	-	NA	0	-	0	-	-	0	-	-
Philippines	RITM	115	115	113	111	4	3	2	0	100.0	0	-	0	-	4	114	5	6
Republic of Korea	KCDC	26	26	24	15	0	1	0	-	56.3	0	-	10	0	0	13	1	0
Singapore	SGH	81	81	61	25	0	0	0	-	90.7	13	0	0	-	0	40	0	0
Viet Nam (central)	PI	0	0	0	0	-	-	0	-	NA	0	-	0	-	-	0	-	-
Viet Nam (highland)	NIHE	0	0	0	0	-	-	0	-	NA	0	-	0	-	-	0	-	-
Viet Nam (northern)	NIHE	5	5	5	5	0	0	0	-	100.0	0	-	0	-	0	5	0	0
Viet Nam (southern)	PI	10	10	10	10	4	0	0	-	100.0	0	-	0	-	4	10	0	0
Fiji	FCCDC	13	13	13	9	0	0	4	0	-	0	-	0	-	0	13	0	0
Total		1 835	1 179	965	855	190	18	20	0	91.7	126	12	34	2	203	708	19	11

"-" No data

Figure 3. Measles genotype distribution of cases with rash onset in 2014 and 2015, WHO Western Pacific Region



The boundaries and names shown and the designations used on the maps do not imply the expression of any opinion whatsoever on the part of the World Health Organization concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries. Dotted lines on maps represent approximate border lines for which there may not yet be full agreement.
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Table 7. Measles genotype distribution of cases with rash onset in February 2015 to January 2016, WHO Western Pacific Region

Country/area	2015																				2016																												
	Feb		Mar				Apr				May				Jun				Jul				Aug				Sep				Oct				Nov				Dec				Jan						
	B3	D8	D9	H1	B3	D8	D9	H1	B3	D8	D9	H1	B3	D8	D9	H1	B3	D8	D9	H1	B3	D8	D9	H1	B3	D8	D9	H1	B3	D8	D9	H1	B3	D4	D8	D9	H1	B3	D8	D9	H1	B3	D4	D8	D9	H1			
Australia		5			2	2		2	1	5		1	5				1	2		2	1				3				2		1		1				1				3								
Brunei Darussalam													1																																				
Cambodia																																																	
China				595				833				689			1	553				250				166				94				31				15				9									
China, Hong Kong SAR				1		1						2				3				2																													
China, Macao SAR																																																	
Japan				1		2	1			3	2	3			2					1							1	1							1				3					2				1	
Lao People's Democratic Republic																																																	
Malaysia						1				1																																							
Mongolia								16				6				5				3								1																					
New Zealand		1				1	1			1						3																																	
Papua New Guinea								3																																									
Philippines			8				2					3																																					
Republic of Korea																																																	
Singapore			1																																														
Singapore			1	2																																													
Viet Nam								1				3				3				1																													
Pacific island countries and areas																																																	

Sources: Includes all cases reported to the Western Pacific Regional Office by 20 February 2016 and the Measles Nucleotide Sequence online database (MeaNS).

Table 9A. Completeness and timeliness of epidemiologic reporting, WHO Western Pacific Region, 2014–2016

Country	2014		2015		2016 ¹		
	Completeness	Timeliness	Completeness	Timeliness	Jan	Completeness ²	Timeliness ³
Australia	100%	92%	100%	100%	04 Feb	100%	100%
Brunei Darussalam	100%	100%	100%	100%	09 Feb	100%	100%
Cambodia	100%	100%	100%	100%	10 Feb	100%	100%
China	100%	67%	100%	92%	14 Feb	100%	100%
China, Hong Kong SAR	100%	100%	100%	100%	05 Feb	100%	100%
China, Macao SAR	100%	100%	100%	100%	05 Feb	100%	100%
Japan	100%	17%	100%	92%	06 Feb	100%	100%
Lao People's Democratic Republic	100%	100%	100%	100%	10 Feb	100%	100%
Malaysia	100%	92%	100%	100%	05 Feb	100%	100%
Mongolia	100%	100%	100%	100%	06 Feb	100%	100%
New Zealand	100%	100%	100%	100%		0%	0%
Papua New Guinea	92%	58%	100%	58%	11 Feb	100%	0%
Philippines	100%	100%	100%	92%	11 Feb	100%	0%
Republic of Korea	100%	100%	100%	100%	05 Feb	100%	100%
Singapore	100%	92%	100%	100%	02 Feb	100%	100%
Viet Nam	100%	100%	100%	92%	05 Feb	100%	100%
Pacific island countries and areas	100%	100%	100%	100%	10 Feb	100%	100%
Completeness	100%		100%		94%	94%	
Timeliness		90%		96%	94%		94%

¹ National measles surveillance monthly reports from January 2016.

Legend: black = timely report; red = untimely report

² Completeness is defined as the number of reports received by the end of the reporting month divided by the number of expected reports for the year.

³ Countries and areas should submit reports by the 10th (or the next working day) of the following month; Pacific island countries and areas and China may report to the Regional Office by the 15th (or the next working day) of the following month.

Table 9B. Completeness and timeliness of laboratory reporting, WHO Western Pacific Region, 2014–2016

Country/area	2014		2015		2016 ¹		
	Completeness	Timeliness	Completeness	Timeliness	Jan	Completeness ²	Timeliness ³
Australia	100%	100%	100%	100%	04 Feb	100%	100%
Brunei Darussalam	100%	100%	100%	100%	02 Feb	100%	100%
Cambodia	100%	100%	100%	100%	10 Feb	100%	100%
China	100%	100%	100%	100%	05 Feb	100%	100%
China, Hong Kong SAR	100%	100%	100%	100%	05 Feb	100%	100%
China, Macao SAR	100%	100%	100%	100%	05 Feb	100%	100%
Japan	100%	42%	100%	92%	06 Feb	100%	100%
Lao People's Democratic Republic	100%	100%	100%	100%	10 Feb	100%	100%
Malaysia	100%	83%	100%	75%	12 Feb	100%	0%
Mongolia	100%	100%	100%	75%		0%	0%
New Zealand	100%	100%	100%	100%	09 Feb	100%	100%
Papua New Guinea	100%	92%	100%	75%	12 Feb	100%	0%
Philippines	100%	92%	100%	100%	05 Feb	100%	100%
Republic of Korea	100%	100%	100%	100%	04 Feb	100%	100%
Singapore	100%	100%	100%	100%	05 Feb	100%	100%
Viet Nam (central)	82%	73%	100%	67%	05 Feb	100%	100%
Viet Nam (highlands)	91%	82%	100%	67%	05 Feb	100%	100%
Viet Nam (northern)	100%	83%	100%	67%	05 Feb	100%	100%
Viet Nam (southern)	100%	100%	100%	100%	02 Feb	100%	100%
Fiji	100%	100%	100%	100%	10 Feb	100%	100%
Completeness	99%		100%		95%	95%	
Timeliness		92%		91%	94%		85%

¹ National measles laboratory monthly reports from January 2016.

Legend: black = timely report; red = untimely report

² Completeness is defined as the number of reports received by the end of the reporting month divided by the number of expected reports for the year.

³ National measles and rubella laboratories should submit monthly reports by the 10th (or the next working day) of the following month.

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Please send your comments and monthly data before the 10th of the month to:
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