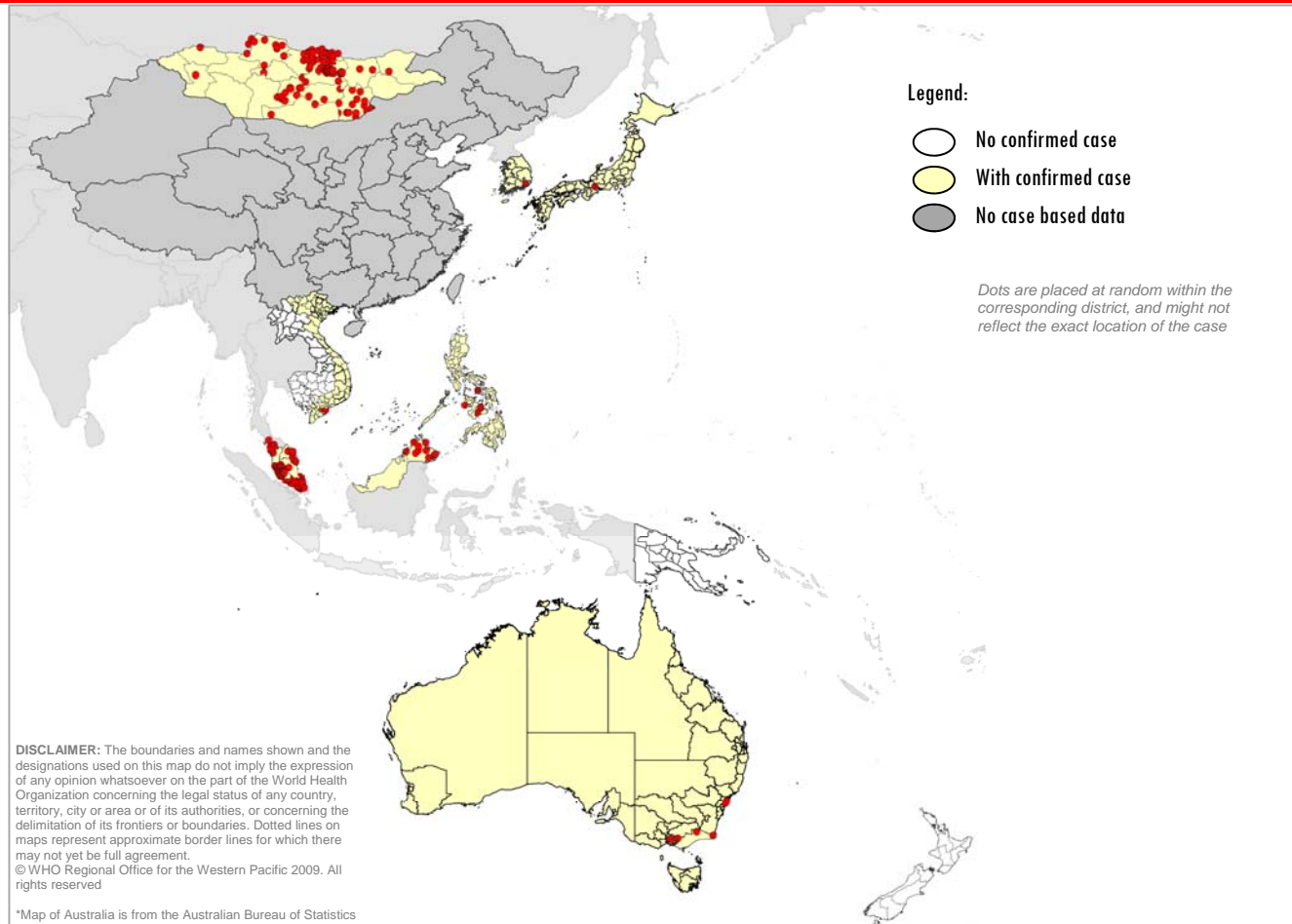


MEASLES-RUBELLA

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



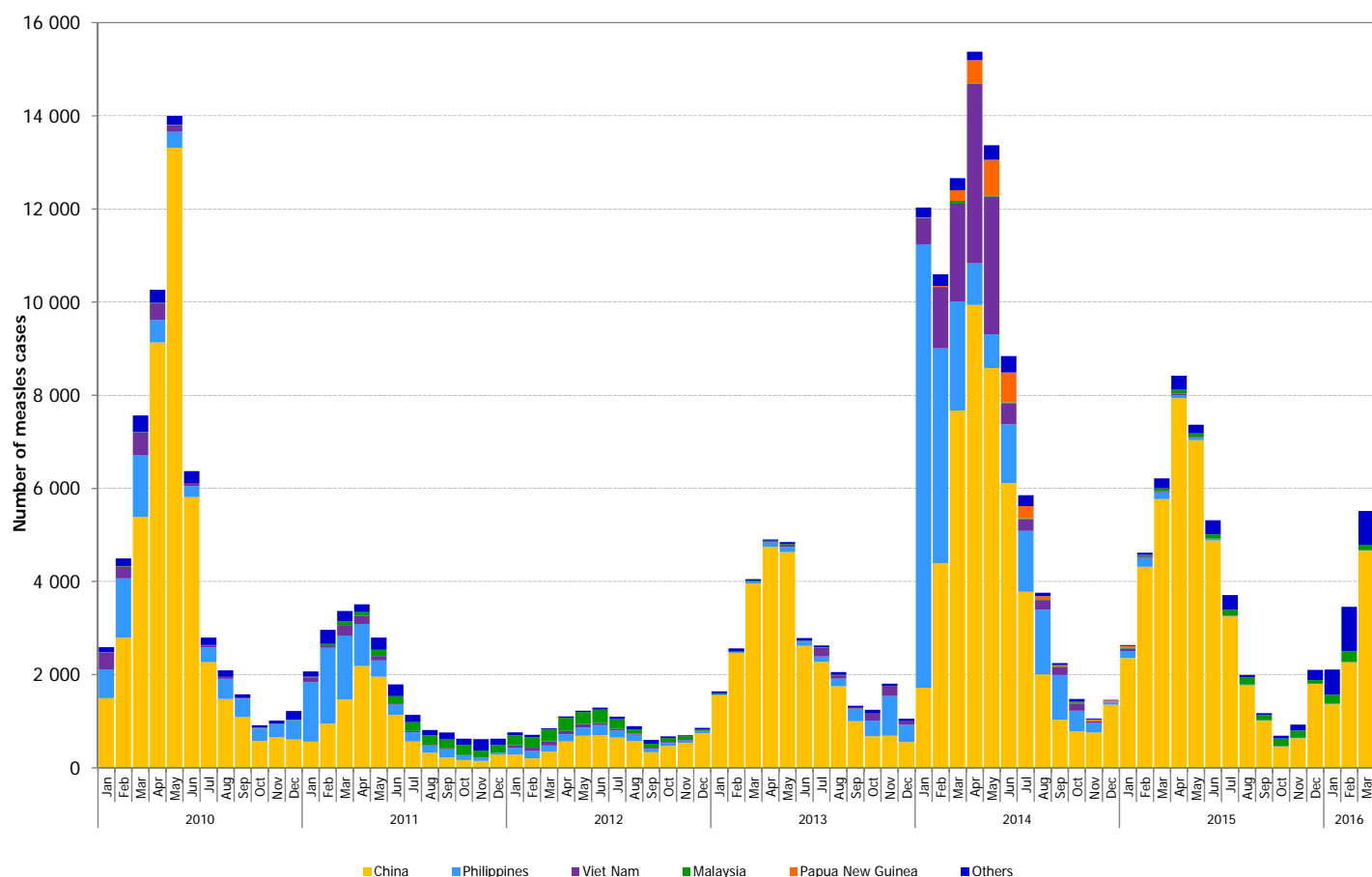
Source: Measles and rubella monthly country reports to the Western Pacific Regional Office by 20 April 2016

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

Country/area	2015									2016		
	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
Australia	9	5	5	3	7	9	0	4	5	6	15	9
Brunei Darussalam	1	3	0	0	0	0	0	0	0	0	0	0
Cambodia	0	0	0	0	0	0	0	0	0	2	0	0
China	7937	7035	4882	3249	1772	1011	453	635	1805	1366	2270	4663
China, Hong Kong SAR	2	3	2	1	0	1	0	1	0	0	0	0
China, Macao SAR	0	0	0	0	0	0	0	0	0	0	0	0
Japan	11	2	3	1	1	1	3	3	1	1	2	2
Lao People's Democratic Republic	2	1	0	0	0	0	0	0	0	0	0	0
Malaysia	83	71	92	117	163	116	163	153	75	194	227	120
Mongolia	265	162	290	301	32	16	53	116	216	525	922	703
New Zealand	2	5	0	0	0	0	0	0	1	1	5	0
Papua New Guinea	2	0	0	1	1	1	0	0	0	0	0	0
Philippines	69	50	30	18	9	7	7	6	1	5	2	4
Republic of Korea	1	0	1	1	0	0	0	0	0	0	2	1
Singapore	7	2	2	8	2	4	3	3	1	1	5	8
Viet Nam	25	24	6	8	4	0	7	3	0	7	3	2
Pacific island countries and areas	2	3	0	0	0	3	0	0	0	0	1	1
Western Pacific Region	8418	7226	5313	3708	1991	1169	689	924	2105	2108	3454	5513

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

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



Source: Measles and rubella monthly country reports to WHO by 20 April 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%	30	6	0	24	0	20.0%
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%	8 299	0	0	8 299	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%	5	3	2	0	0	100.0%
Lao People's Democratic Republic	-	56	0	0	56	0	0.0%	0	-	-	-	-	-
Malaysia	-	1 135	2	0	516	617	0.2%	541	1	0	186	354	0.2%
Mongolia	2014	1 639	0	1 638	1	0	99.9%	2 151	0	2 151	0	0	100.0%
New Zealand	-	13	0	0	13	0	0.0%	6	0	0	6	0	0.0%
Papua New Guinea	-	53	0	0	53	0	0.0%	0	-	-	-	-	-
Philippines	-	688	0	0	688	0	0.0%	11	0	0	11	0	0.0%
Republic of Korea	2014	7	3	1	3	0	57.1%	3	1	2	0	0	100.0%
Singapore	-	39	9	1	29	0	25.6%	14	2	0	12	0	14.3%
Viet Nam	-	183	0	0	183	0	0.0%	14	0	0	14	0	0.0%
Pacific island countries and areas	-	20	0	0	20	0	0.0%	2	0	0	2	0	0.0%
Total		45 172	67	1 683	42 805	617	3.9%	11 078	13	2 155	8 556	354	19.6%

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

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

Table 3. Measles case classification and incidence by country and area, WHO Western Pacific Region, 2010–2016 as of 20 April 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 ²	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	0	28	2	30	4.9	0	24-Mar-16
Brunei Darussalam	1	2.4	0	0.0	0	0.0	4	9.0	0.4	4	0	4	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	74	0	72	0	2	0	2	0.5	0	12-Jan-16
China	6 183	4.6	26912	19.8	48 123	35.3	41 217	29.5	1382.3	19 986	1 435	8 979	1 273	8 273	26	8 299	24.0	10	31-Mar-16
China, Hong Kong SAR	8	1.1	34	4.7	46	6.3	12	1.6	7.3	31	0	30	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	3	0	3	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	39	1	33	0	5	0	5	0.2	0	20-Mar-16
Lao People's Democratic Republic	36	5.6	68	10.5	70	10.7	56	8.0	6.9	159	52	107	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	1 835	240	991	43	516	25	541	70.4	0	27-Mar-16
Mongolia	0	0.0	0	0.0	0	0.0	1 639	574.1	3.0	13 477	110	757	10 459	1 615	536	2 151	2861.9	16	31-Mar-16
New Zealand	55	12.3	9	2.0	263	57.7	13	2.9	4.6	19	13	0	0	4	2	6	5.3	0	27-Feb-16
Papua New Guinea	0	0.0	7	1.0	2 589	345.9	53	6.9	7.8	0	-	-	-	-	-	0	0.0	-	21-Sep-15
Philippines	1 536	15.9	3777	38.5	23 708	237.6	688	6.8	102.3	392	20	232	84	11	0	11	0.4	0	20-Mar-16
Republic of Korea	2	0.0	107	2.2	442	9.0	7	0.1	50.5	62	12	45	0	3	0	3	0.2	0	13-Mar-16
Singapore	40	7.6	56	10.6	134	25.1	39	7.7	5.7	27	0	10	3	14	0	14	9.8	0	23-Mar-16
Viet Nam	637	5.9	895	9.9	12 223	133.5	183	2.0	94.4	174	21	135	3	14	0	14	0.6	0	15-Mar-16
Pacific island countries and areas ⁵	0	0.0	0	0.0	273	83.4	20	6.1	3.3	61	0	59	0	2	0	2	2.5	0	22-Mar-16
Western Pacific Region	10 794	5.9	32 340	17.7	88 859	48.3	45 172	24.1	1866.3	36 343	1 904	11 457	11 865	10 487	591	11 078	23.7	26	

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 April 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%	3.7	100.0%	100.0%	100.0%
Cambodia	4.4	91.7%	80.5%	98.7%	1.8	37.5%	90.5%	98.6%
China	4.5	83.9%	95.0%	85.7%	2.6	29.0%	93.2%	79.3%
China, Hong Kong SAR	2.1	100.0%	98.8%	97.7%	1.6	0.0%	100.0%	100.0%
China, Macao SAR	1.8	0.0%	100.0%	100.0%	2.0	100.0%	66.7%	100.0%
Japan	0.2	0.0%	Insufficient data	Insufficient data	0.1	0.0%	Insufficient data	Insufficient data
Lao People's Democratic Republic	8.1	88.2%	85.4%	85.7%	6.2	29.4%	43.4%	39.0%
Malaysia	10.0	87.5%	73.4%	84.3%	12.9	81.3%	77.0%	88.4%
Mongolia	52.9	81.8%	7.7%	13.6%	100.7	77.3%	11.9%	19.7%
New Zealand	0.5	Insufficient data	Insufficient data	Insufficient data	0.0	Insufficient data	Insufficient data	Insufficient data
Papua New Guinea	1.4	20.0%	60.8%	91.1%	0.0	0.0%	Not applicable	Not applicable
Philippines	1.4	29.4%	57.0%	69.7%	0.9	5.9%	70.4%	80.6%
Republic of Korea	0.6	81.3%	68.8%	74.5%	0.4	50.0%	54.8%	67.7%
Singapore	1.1	0.0%	92.0%	19.0%	0.7	0.0%	88.9%	18.5%
Viet Nam	1.5	15.6%	42.2%	70.4%	0.6	11.1%	64.9%	96.0%
Pacific island countries and areas	6.6	17.4%	0.0%	68.6%	7.3	8.7%	0.0%	65.6%
Western Pacific Region	3.9	44.3%	78.6%	73.8%	2.5	24.3%	62.1%	58.1%

¹ Excludes epidemiologically-linked cases.

² Reports only confirmed cases.

Green	Reached or surpassed target
Yellow	Nearly reached target: 1.00–1.99 for non-measles suspected case rate; 10.1–25% for percent clinically confirmed cases; 60–79% for other indicators
Red	Substantially below target

Table 5. Rubella case classification and incidence by country and area, WHO Western Pacific Region, 2015–2016 as of 20 April 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	4	0	4	0	0	0	0	0.0	-	
Cambodia	30	2.0	18	1.1	15.83	72	0	72	0	0	0	0	0.0	-	
China	11 887	8.7	8 245	5.9	1 382.32	19 986	-	-	-	-	-	1 149	3.3	-	
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	3	0	3	0	0	0	0	0.0	-	
Japan	-	-	2	0.0	126.32	8	0	7	0	1	0	1	0.0	-	
Lao People's Democratic Republic	18	2.8	24	3.4	6.92	159	52	86	0	3	18	21	12.1	-	
Malaysia	226	7.5	25	0.8	30.75	1 835	240	1 590	0	5	0	5	0.7	-	
Mongolia	0	0.0	28	9.8	3.01	1 823	10	1 811	0	2	0	2	2.7	-	
New Zealand	-	-	-	-	4.57	-	-	-	-	-	-	-	-	-	
Papua New Guinea	-	-	4	0.5	7.78	0	-	-	-	-	-	0	0.0	-	
Philippines	343	3.4	154	1.5	102.25	277	0	232	0	45	0	45	1.8	-	
Republic of Korea	2	0.0	2	0.0	50.50	60	12	48	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	168	22	113	0	33	0	33	1.4	-	
Pacific island countries and areas ²	4	1.2	0	0.0	3.25	61	0	61	0	0	0	0	0.0	-	
Western Pacific Region	12 561	6.8	8 767	4.7	1 866.32	24 456	336	4 027	0	89	18	1 256	2.7	-	

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. received	No. (+)	No. of samples tested	No. of isolates	No. of samples tested	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	-	97.1	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 April 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. 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	36	36	20	11	6	54.5	3	0	-	81.3	0	-	23	20	19	5	1	20.0	0
Brunei Darussalam	DLS	6	6	4	4	0	0.0	0	0	-	100.0	0	-	0	-	0	4	0	0.0	0
Cambodia	NIPH	113	113	113	92	2	2.2	0	21	0	100.0	0	-	0	-	2	113	0	0.0	0
China ³	CCDC	-	-	-	-	-	-	-	-	-	90.7	-	-	-	-	-	-	-	-	-
China, Hong Kong SAR	PHLC	103	103	85	87	0	0.0	2	0	-	95.2	0	-	15	4	2	87	0	0.0	1
China, Macao SAR	PHL	8	8	8	8	2	25.0	0	0	-	100.0	0	-	0	-	2	8	2	25.0	0
Japan	NIID	58	58	35	12	3	25.0	2	0	-	-	0	-	24	5	5	1	0	-	0
Lao People's Democratic Republic	NCLE	36	36	36	36	0	0.0	0	0	-	100.0	0	-	0	-	0	36	4	11.1	2
Malaysia	NPHL	2 717	2 717	2 066	1 960	632	32.2	44	0	-	96.8	357	27	0	-	638	1 318	23	1.7	8
Mongolia	NCCD	5 109	5 109	5 085	4 983	2 766	55.5	460	0	-	100.0	1	0	126	69	2 817	3 508	6	-	7
New Zealand	CHL	95	95	83	31	1	3.2	4	0	-	96.8	1	0	36	17	7	30	1	3.3	0
Papua New Guinea	CPHL	0	0	0	0	-	-	-	0	-	NA	0	-	0	-	-	0	-	-	-
Philippines	RITM	390	386	390	375	15	4.0	8	11	1	99.2	8	0	12	0	15	385	39	10.1	13
Republic of Korea	KCDC	106	106	88	70	5	7.1	6	0	-	47.1	0	-	37	3	7	47	7	14.9	1
Singapore	SGH	160	160	132	43	0	0.0	0	0	-	100.0	31	0	0	-	0	51	0	0.0	0
Viet Nam (central)	PI	23	23	23	23	0	0.0	0	0	-	82.6	0	-	56	6	0	23	2	8.7	1
Viet Nam (highland)	NIHE	1	1	1	1	0	-	0	0	-	0.0	0	-	0	-	0	1	0	0.0	1
Viet Nam (northern)	NIHE	33	33	33	33	0	0.0	0	0	-	100.0	0	-	0	-	0	33	0	0.0	0
Viet Nam (southern)	PI	123	123	123	123	15	12.2	2	0	-	71.5	0	-	0	-	15	123	43	35.0	0
Fiji	FCCDC	64	64	64	60	2	3.3	0	4	0	-	0	-	0	-	0	64	0	0.0	0
Total		9 181	9 177	8 389	7 952	3 449	43. 4	531	36	1	98.2	398	27	329	124	3 529	5 837	128	2.2	34

"-" No data

Figure 3. Measles genotype distribution of cases with rash onset in 2015 and 2016, WHO Western Pacific Region

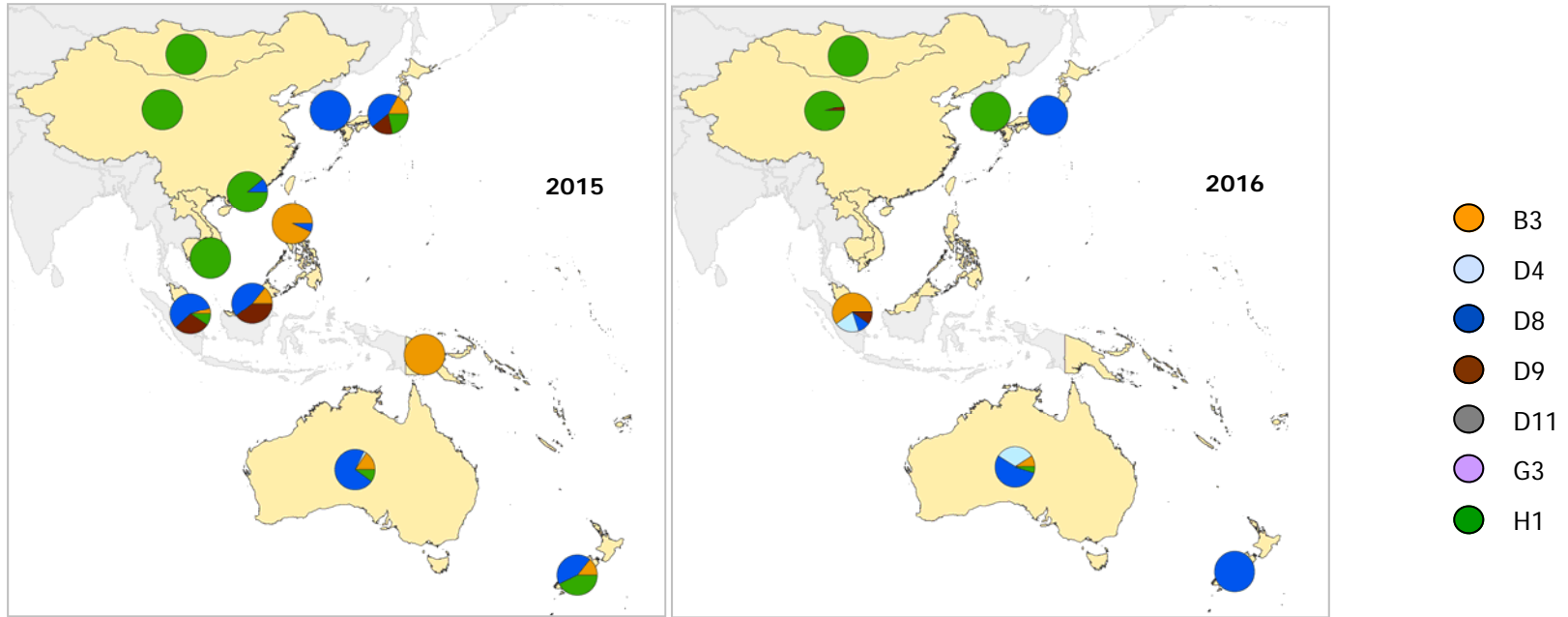


Table 7. Measles genotype distribution of cases with rash onset in April 2015 to March 2016, WHO Western Pacific Region

Country/area	2015																		2016																																						
	Apr				May				Jun				Jul				Aug				Sep				Oct				Nov				Dec				Jan				Feb				Mar												
	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	B3	D4	D8	D9	H1	B3	D8	D9	H1										
Australia	1	5		1	5			1	2		2	1				3				2				2	1			1				3														12	1	2	7								
Brunei Darussalam					1																																																				
Cambodia																																																									
China				693		1	598		262				184				112				37				16				14				43				73									171				10							
China, Hong Kong SAR				2				3	2																																																
China, Macao SAR																																																									
Japan	3	2	3					2			1			1	1										1				3				2				1				2																
Lao People's Democratic Republic																																																									
Malaysia	1	4							1				2	3			1	2	3		2				9	11			6	11	11		2																								
Mongolia				6				5					3				1																																								
New Zealand		1						3																									1				1																				
Papua New Guinea																																																									
Philippines	3																																																								
Republic of Korea																																																									
Singapore			2					1	2				3	2			1				2								1	2			1				1				1				1				1				5	2			
Viet Nam				3				3			1																																														
Pacific island countries and areas																																																									

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

Figure 4. Rubella genotype distribution of cases with rash onset in 2015 and 2016, WHO Western Pacific Region

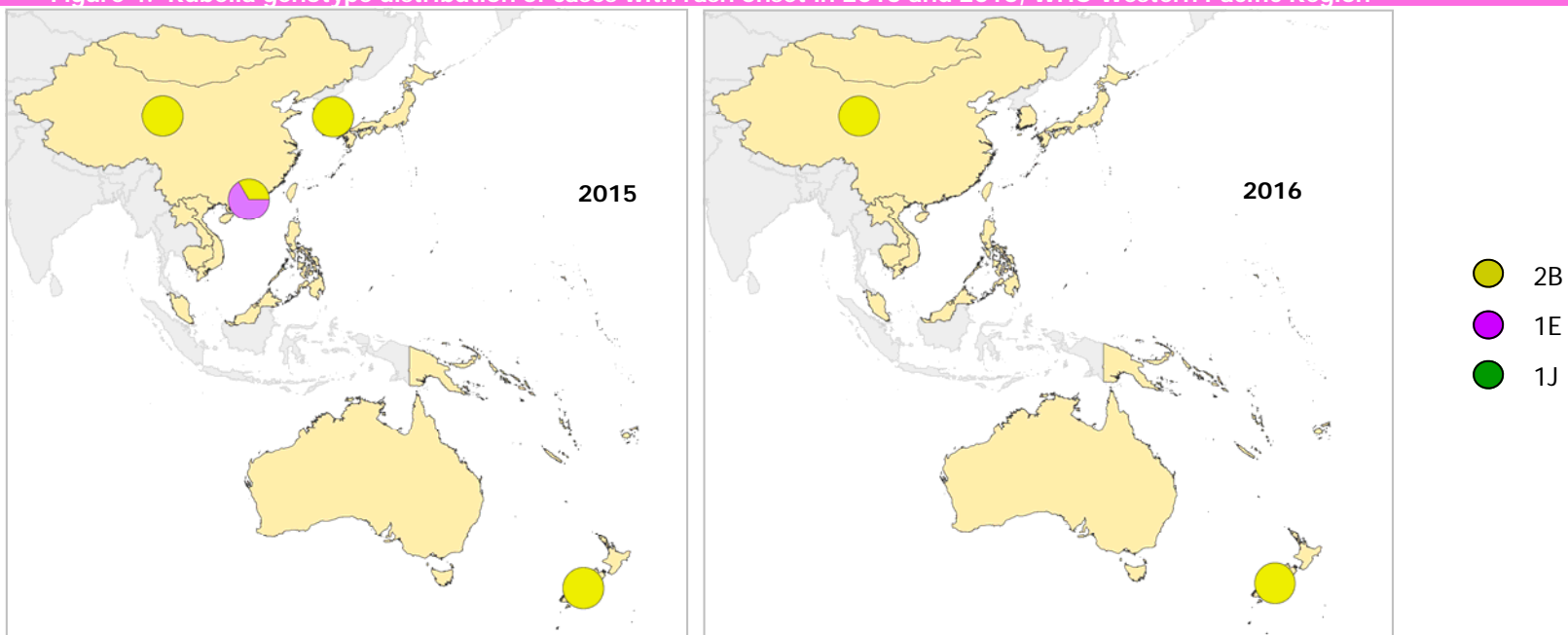


Table 8. Rubella genotype distribution of cases with rash onset in April 2015 to March 2016, WHO Western Pacific Region

Country/area	2015												2016																										
	Apr			May			Jun			Jul			Aug			Sep			Oct			Nov			Dec			Jan			Feb			Mar					
	2B	1E	1J	2B	1E	1J	2B	1E	1J	2B	1E	1J	2B	1E	1J	2B	1E	1J	2B	1E	1J	2B	1E	1J	2B	1E	1J	2B	1E	1J	2B	1E	1J						
Australia																																							
Brunei Darussalam																																							
Cambodia																																							
China	3							1		1																													
China, Hong Kong SAR	1					1																																	
China, Macao SAR																																							
Japan																																							
Lao People's Democratic Republic																																							
Malaysia																																							
Mongolia																																							
New Zealand																																							
Papua New Guinea																																							
Philippines																																							
Republic of Korea																																							
Singapore																																							
Viet Nam																																							
Pacific island countries and areas																																							

Sources: Includes all cases reported to the Western Pacific Regional Office by 20 April 2016

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

Country	2014		2015		2016 ¹				
	Completeness	Timeliness	Completeness	Timeliness	Jan	Feb	Mar	Completeness ²	Timeliness ³
Australia	100%	92%	100%	100%	04 Feb	09 Mar	07 Apr	100%	100%
Brunei Darussalam	100%	100%	100%	100%	09 Feb	07 Mar	07 Apr	100%	100%
Cambodia	100%	100%	100%	100%	10 Feb	10 Mar	10 Apr	100%	100%
China	100%	67%	100%	92%	14 Feb	10 Mar	12 Apr	100%	100%
China, Hong Kong SAR	100%	100%	100%	100%	05 Feb	10 Mar	08 Apr	100%	100%
China, Macao SAR	100%	100%	100%	100%	05 Feb	08 Mar	05 Apr	100%	100%
Japan	100%	17%	100%	92%	06 Feb	02 Mar	09 Apr	100%	100%
Lao People's Democratic Republic	100%	100%	100%	100%	10 Feb	10 Mar	10 Apr	100%	100%
Malaysia	100%	92%	100%	100%	05 Feb	08 Mar	08 Apr	100%	100%
Mongolia	100%	100%	100%	100%	06 Feb	10 Mar	09 Apr	100%	100%
New Zealand	100%	100%	100%	100%	09 Feb	07 Mar	08 Apr	100%	100%
Papua New Guinea	92%	58%	100%	58%	11 Feb	01 Apr	10 Apr	67%	33%
Philippines	100%	100%	100%	92%	11 Feb	10 Mar	05 Apr	100%	67%
Republic of Korea	100%	100%	100%	100%	05 Feb	08 Mar	07 Apr	100%	100%
Singapore	100%	92%	100%	100%	02 Feb	08 Mar	07 Apr	100%	100%
Viet Nam	100%	100%	100%	92%	05 Feb	09 Mar	07 Apr	100%	100%
Pacific island countries and areas	100%	100%	100%	100%	10 Feb	10 Mar	08 Apr	100%	100%
Completeness	100%		100%		100%	100%	100%	100%	
Timeliness		90%		96%	88%	94%	100%		94%

¹ National measles surveillance monthly reports from March 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	Feb	Mar	Completeness ²	Timeliness ³
Australia	100%	100%	100%	100%	04 Feb	04 Mar	08 Apr	100%	100%
Brunei Darussalam	100%	100%	100%	100%	02 Feb	01 Mar	06 Apr	100%	100%
Cambodia	100%	100%	100%	100%	10 Feb	10 Mar	10 Apr	100%	100%
China	100%	100%	100%	100%	05 Feb	08 Mar	08 Apr	100%	100%
China, Hong Kong SAR	100%	100%	100%	100%	05 Feb	08 Mar	06 Apr	100%	100%
China, Macao SAR	100%	100%	100%	100%	05 Feb	09 Mar	05 Apr	100%	100%
Japan	100%	42%	100%	92%	06 Feb	02 Mar	09 Apr	100%	100%
Lao People's Democratic Republic	100%	100%	100%	100%	10 Feb	10 Mar	10 Apr	100%	100%
Malaysia	100%	83%	100%	75%	12 Feb	10 Mar	10 Apr	100%	67%
Mongolia	100%	100%	100%	75%	03 Mar	10 Mar	10 Apr	67%	67%
New Zealand	100%	100%	100%	100%	09 Feb	07 Mar	08 Apr	100%	100%
Papua New Guinea	100%	92%	100%	75%	12 Feb	15 Mar	10 Apr	100%	33%
Philippines	100%	92%	100%	100%	05 Feb	10 Mar	10 Apr	100%	100%
Republic of Korea	100%	100%	100%	100%	04 Feb	10 Mar	08 Apr	100%	100%
Singapore	100%	100%	100%	100%	05 Feb	04 Mar	07 Apr	100%	100%
Viet Nam (central)	82%	73%	100%	67%	05 Feb	11 Mar	10 Apr	100%	67%
Viet Nam (highlands)	91%	82%	100%	67%	05 Feb	11 Mar	11 Apr	100%	67%
Viet Nam (northern)	100%	83%	100%	67%	05 Feb	11 Mar	12 Apr	100%	67%
Viet Nam (southern)	100%	100%	100%	100%	02 Feb	09 Mar	06 Apr	100%	100%
Fiji	100%	100%	100%	100%	10 Feb	10 Mar	08 Apr	100%	100%
Completeness	99%		100%		100%	100%	100%	100%	
Timeliness		92%		91%	94%	80%	100%		88%

¹ National measles laboratory monthly reports from March 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:
WPR_EPIdata@wpro.who.int