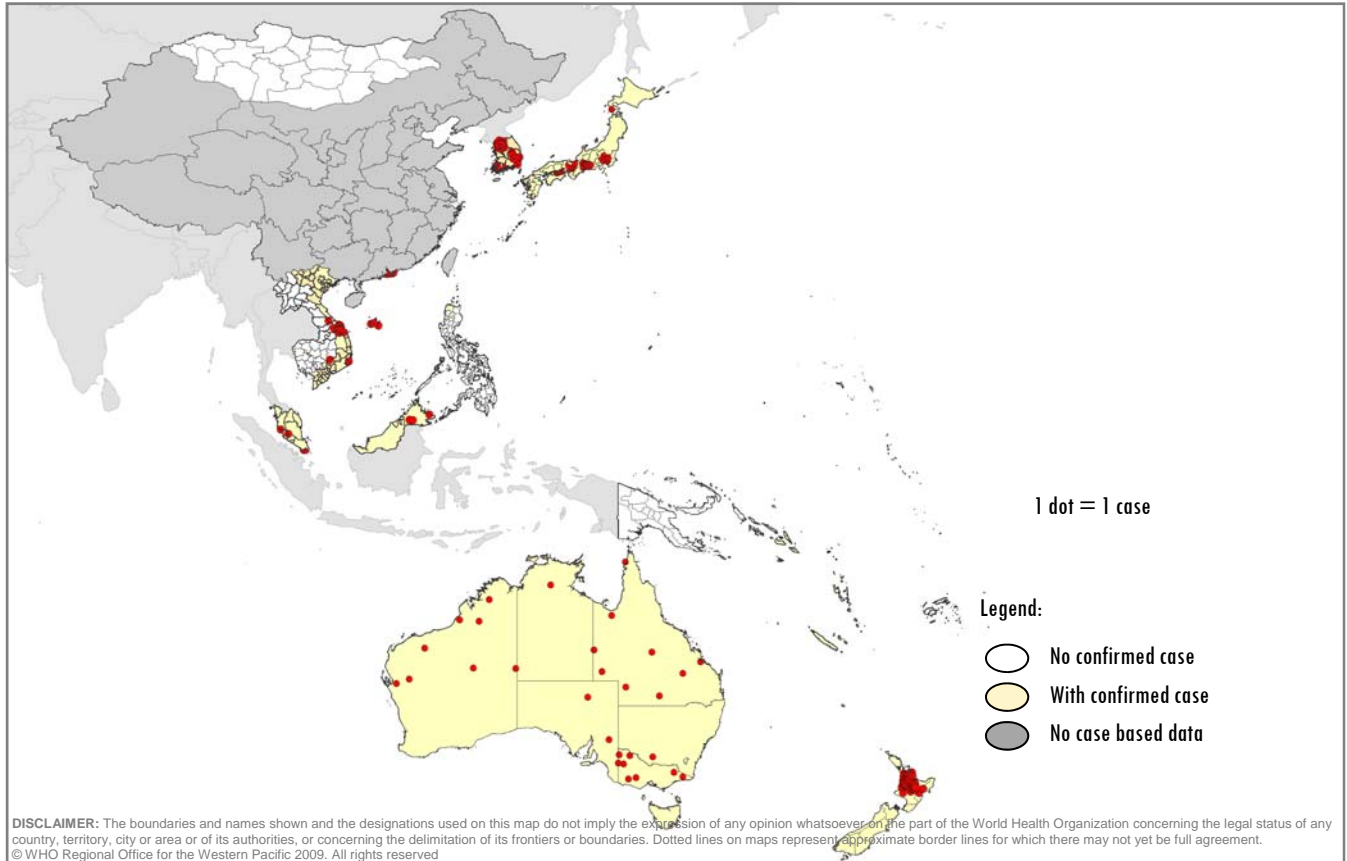


MEASLES-RUBELLA

Bulletin

Figure 1. Distribution of confirmed measles cases with rash onset 1–30 June 2014, WHO Western Pacific Region



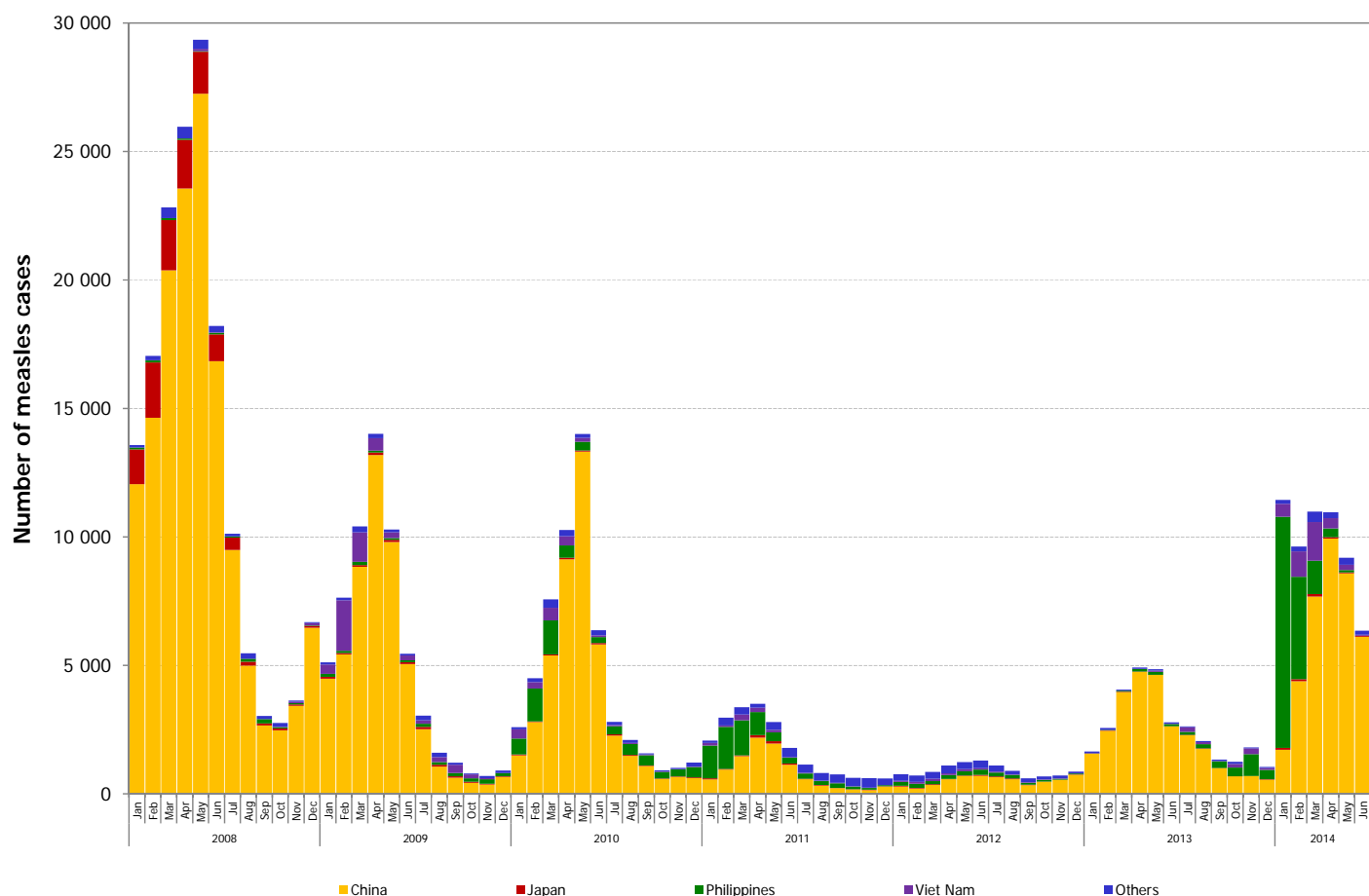
Source: Measles and rubella monthly country reports to the Western Pacific Regional Office by 20 July 2014

Table 1. Confirmed measles cases by month of onset, July 2013–June 2014, WHO Western Pacific Region

Country	2013						2014					
	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Australia	4	21	18	46	25	13	78	59	36	14	24	29
Brunei Darussalam	0	0	0	0	0	0	0	0	0	0	0	0
Cambodia	0	0	0	0	0	0	0	0	0	0	0	0
China	2274	1749	999	679	688	552	1717	4387	7675	9936	8587	6113
Hong Kong (China)	3	0	6	6	4	4	5	8	7	3	5	4
Macao (China)	1	1	0	0	0	0	0	0	0	0	0	1
Japan	15	22	6	5	7	13	71	76	100	58	37	30
Lao People's Democratic Republic	0	0	0	0	0	0	0	1	0	0	4	0
Malaysia	15	6	9	3	3	4	5	4	62	12	16	9
Mongolia	0	0	0	0	0	0	0	0	0	0	0	0
New Zealand	0	0	0	0	0	8	18	43	36	12	14	85
Papua New Guinea	0	0	1	1	0	4	3	14	191	101	0	0
Philippines	124	173	272	353	1015	1402	8993	3990	1302	336	81	0
Republic of Korea	8	8	9	12	1	3	4	29	58	71	203	31
Singapore	2	8	8	11	5	12	31	28	16	18	10	4
Viet Nam	185	78	23	147	245	143	512	983	1504	403	207	47
Pacific island countries and areas	0	0	0	0	0	0	0	0	0	0	0	0
Western Pacific Region	2631	2066	1351	1263	1993	2158	11437	9 622	10 987	10 964	9188	6353

Source: Case based and aggregate data reports to the Western Pacific Regional Office by 20 July 2014

Figure 2. Measles cases by month of onset, WHO Western Pacific Region, 2008–2014¹



Source: Measles and rubella monthly country reports to WHO by 20 July 2014

¹ Includes laboratory confirmed, epi-linked and clinically confirmed cases for 2008–2012

Table 2. Schedule of activities for measles and rubella, WHO Western Pacific Region

Countries and areas	Measles 2nd dose introduction	Rubella introduction	Post introduction evaluation	Supplementary immunization activities
Australia	1994 (MMR)	1971		
Brunei Darussalam	1988 (MMR)	1984		
Cambodia	2012 (M)	2013	June–July 2014 (Measles second dose)	
China	1986 (MMR)	1998		
Hong Kong (China)	1997 (MMR)	1978		
Macao (China)	1989–2002 (MMR)	1985		
Japan	2006 (MR)	1989		
Lao People's Democratic Republic		2012		November 2014 (MR, 9m–10y)
Malaysia	2002 (M)	1998		
Mongolia	1989 (MMR)	2009		
New Zealand	1992 (MMR)	1979		
Papua New Guinea	2015	2015		April–September 2015 (MR, 9m–14y)
Philippines	2010 (MMR)	2010		September 2014 (MR, 9m–5y)
Republic of Korea	1997 (MMR)	1982		
Singapore	1998 (MMR)	1990		
Viet Nam	2006 (M)	2014		October 2014–June 2015 (MR, 9m–15y)
Pacific island countries and areas				Federated States of Micronesia - ongoing Solomon Islands February 2015 (MR, 1y–15y)

Table 3. Measles case classification and incidence by country and area, WHO Western Pacific Region, 2010–2014 ¹

Country	2010		2011		2012		2013		2014 ¹										Rash onset of last confirmed measles case
	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.	Total confirmed ²	Measles incidence per 1 million pop.	Population (in millions) ³	Suspected measles cases	Confirmed measles cases			Annualized measles incidence per 1 million	Compatible cases	Discarded cases ⁵	Pending classification	Deaths due to measles	
											Lab	Epi-linked	Total						
Australia	70	3.3	192	8.5	199	8.7	154	6.6	23.50	N/A ⁴	228	12	240	20.4	0	0	0	0	29-Jun-14
Brunei Darussalam	0	0.0	4	9.9	1	2.4	0	0.0	0.43	9	0	0	0	0.0	0	9	0	0	24-Jul-12
Cambodia	1 156	76.8	722	50.5	0	0.0	0	0.0	14.84	119	0	0	0	0.0	0	119	0	0	15-Nov-11
China	38 159	28.5	9 943	7.4	6 183	4.6	26912	19.8	1 364.77	83 205	38 310	105	38 415	56.3	2 855	39 794	2 141	21	30-Jun-14
Hong Kong (China)	11	1.6	12	1.7	8	1.1	34	4.7	7.35	112	32	0	32	8.7	3	77	0	0	23-Jun-14
Macao (China)	0	0.0	1	1.8	1	1.8	3	5.2	0.59	7	1	0	1	3.4	0	6	0	0	3-Jun-14
Japan	432	3.4	411	3.2	228	1.8	141	1.1	126.23	822	361	11	372	5.9	17	421	12	0	28-Jun-14
Lao People's Democratic Republic	153	23.8	113	18.0	36	5.6	68	10.5	6.54	156	5	0	5	1.5	0	145	6	0	25-May-14
Malaysia	74	2.7	1 603	54.4	1 868	63.7	177	5.9	30.25	2 916	79	29	108	7.1	15	2 186	587	1	23-Jun-14
Mongolia	7	2.6	0	0.0	0	0.0	0	0.0	2.93	86	0	0	0	0.0	0	86	0	0	19-Jun-10
New Zealand	48	11.2	599	135.7	55	12.3	3	0.7	4.55	251	134	74	208	91.3	7	0	36	0	25-Jun-14
Papua New Guinea	0	0.0	0	0.0	0	0.0	7	1.0	7.49	696	308	2	310	82.8	4	319	63	0	16-Apr-14
Philippines	6 388	68.2	6 555	69.1	1 536	15.9	3709	37.8	99.77	40 169	5 594	9 108	14 702	294.7	22 719	2 165	583	88	26-May-14
Republic of Korea	111	2.3	43	0.9	2	0.0	116	2.4	48.95	1 259	387	9	396	16.2	0	812	30	0	30-Jun-14
Singapore	54	11.2	143	27.6	40	7.6	56	10.6	5.34	193	107	0	107	40.1	25	60	1	0	25-Jun-14
Viet Nam	1 826	20.5	745	8.4	637	5.9	802	8.8	91.56	10 859	3 147	541	3 688	80.6	198	1 336	5 633	2	14-Jun-14
Pacific island countries and areas ⁶	1	0.3	2	1.0	0	0.0	0	0.0	3.27	81	0	0	0	0.0	0	81	0	0	10-Sep-09
Western Pacific Region	48 490	27.0	21 088	11.7	10 794	5.9	32 182	17.6	1 838.36	140 940	48 693	9 891	58 584	63.7	25 843	47 616	9 092	112	

¹ Includes all cases reported to the Western Pacific Regional Office by 20 July 2014.

² Includes laboratory confirmed, epi-linked and clinically confirmed cases for 2009 to 2012.

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

⁴ Australia reports confirmed cases only.

⁵ Excludes vaccine-associated cases

⁶ Classification is provisional based on laboratory data only.

 Verified as having interrupted endemic measles virus transmission

Green <1 confirmed measles case / 1 000 000 population
Yellow 1-9 confirmed measles case / 1 000 000 population
Red >= 10 confirmed cases / 1 000 000 population

Table 4. Measles surveillance performance indicators by country and area, WHO Western Pacific Region, 2013–2014 ¹

Country	2013				2014 ¹			
	Discarded non-measles rate per 100 000 pop	Second level units with ≥ 2 discarded cases per 100 000 pop	Suspected cases with adequate investigation	Suspected cases with adequate blood specimens ²	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 ²
	≥ 2	≥ 80%	≥ 80%	≥ 80%	≥ 2	≥ 80%	≥ 80%	≥ 80%
Australia ³	Insufficient data	Insufficient data	Insufficient data	Insufficient data	Insufficient data	Insufficient data	Insufficient data	Insufficient data
Brunei Darussalam	3.8	100.0%	87.5%	100.0%	4.2	100.0%	100.0%	100.0%
Cambodia	3.7	45.8%	68.5%	98.0%	1.6	25.0%	76.5%	99.2%
China	3.7	64.5%	99.4%	94.6%	5.8	77.4%	99.1%	91.1%
Hong Kong (China)	2.5	100.0%	94.2%	91.1%	2.1	100.0%	100.0%	97.3%
Macao (China)	2.9	100.0%	95.0%	100.0%	2.0	100.0%	100.0%	100.0%
Japan	0.7	4.3%	Insufficient data	Insufficient data	0.7	0.0%	Insufficient data	Insufficient data
Lao People's Democratic Republic	7.5	58.8%	36.1%	66.5%	4.4	52.9%	92.9%	94.2%
Malaysia	22.6	100.0%	82.3%	81.1%	14.5	93.8%	79.9%	90.3%
Mongolia	7.4	36.4%	100.0%	100.0%	5.9	27.3%	100.0%	100.0%
New Zealand	Insufficient data	Insufficient data	Insufficient data	Insufficient data	Insufficient data	Insufficient data	Insufficient data	Insufficient data
Papua New Guinea	1.4	25.0%	0.0%	76.3%	8.5	35.0%	0.0%	81.4%
Philippines	3.3	64.7%	46.4%	63.5%	4.3	70.6%	28.3%	81.2%
Republic of Korea	0.8	6.3%	63.7%	72.9%	3.3	50.0%	94.6%	60.5%
Singapore	1.3	0.0%	75.4%	18.1%	2.2	100.0%	83.4%	25.4%
Viet Nam	1.0	21.9%	57.5%	74.8%	2.9	42.2%	25.6%	88.9%
Pacific island countries and areas	2.0	Insufficient data	0.0%	Insufficient data	5.0	Insufficient data	0.0%	Insufficient data
Western Pacific Region	3.5	38.0%	92.0%	90.2%	5.2	44.5%	75.2%	88.1%

¹ Includes all cases reported to the Western Pacific Regional Office by 20 July 2014.

² Excludes epidemiologically-linked cases.

³ 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, 2014 ¹

Country	2014 ¹									
	Population (in millions) ²	Investigated rubella cases	Confirmed rubella cases			Annualized rubella incidence per 1 million pop.	Compatible cases	Discarded cases ³	Pending classification	Congenital rubella syndrome
			Lab	Epi-linked	Total					
Australia	23.50	No data	-	-	-	No data	-	-	-	-
Brunei Darussalam	0.43	9	0	0	0	0.0	0	9	0	-
Cambodia	14.84	119	20	0	20	2.7	1	98	0	-
China	1 364.77	9 401	-	-	9 401	13.8	0	-	-	-
Hong Kong (China)	7.35	112	1	0	1	0.3	0	111	0	-
Macao (China)	0.59	6	0	0	0	0.0	0	6	0	-
Japan	126.23	No data	-	-	-	No data	-	-	-	-
Lao People's Democratic Republic	6.54	150	5	7	12	3.7	0	138	0	-
Malaysia	30.25	2 916	125	59	184	12.2	0	2 145	587	-
Mongolia	2.93	86	0	0	0	0.0	0	86	0	-
New Zealand	4.55	No data	-	-	-	No data	-	-	-	-
Papua New Guinea	7.49	No data	-	-	-	No data	-	-	-	-
Philippines	99.77	40 169	55	0	55	1.1	0	39 531	583	-
Republic of Korea	48.95	1 259	0	0	0	0.0	0	1 258	1	-
Singapore	5.34	10	0	0	0	0.0	0	8	2	-
Viet Nam	91.56	8 491	14	0	14	0.3	0	1 770	6 707	0
Pacific island countries and areas ⁴	3.27	81	3	0	3	1.8	0	78	0	-
Western Pacific Region	1 838.36	62 809	223	66	9 690	10.5	1	45 238	7 880	0

¹ Includes all cases reported to the Western Pacific Regional Office by 20 July 2014.

² United Nations, Department of Economic and Social Affairs, Population Division World Population Prospects.

³ Excludes vaccine-associated cases

⁴ Classification is provisional based on laboratory data only.

Green	<1 confirmed measles case / 1 000 000 population
Yellow	1-9.9 confirmed measles case / 1 000 000 population
Red	>= 10 confirmed cases / 1 000 000 population
Gray	No data

Table 6A. Measles and rubella laboratory performance, WHO Western Pacific Region, 2013¹

Country	Laboratory	Measles and rubella		Measles												Rubella				
				Serology								Virus detection				Serum and blood (includes DBS)				
		Total number of cases tested	Total number of samples received	Serum			Blood		Timeliness of results		Measles Virus isolation/detection (swab, urine and others)		Measles Reverse Transcription-Polymerase Chain Reaction		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. (+)	<4 days ²	<7 days	No. of samples tested	No. of isolates	No. of samples tested	No. (+)	No.	No.	%	No.	
No.	No.	%	No.	No.	No. (+)	%	%	No. of samples tested	No. of isolates	No. of samples tested	No. (+)	No.	No.	%	No.					
Australia	VIDRL	94	127	34	23	67.6	0	0	-	100.0	100.0	0	0	96	79	13	2	15.4	0	
Brunei Darussalam	DLS	42	42	38	0	0.0	2	0	-	69.0	88.1	0	0	0	0	40	3	7.5	0	
Cambodia	NPHL	537	537	478	0	0.0	0	59	0	76.0	81.9	0	0	0	0	537	105	19.6	0	
China	CCDC																			
Hong Kong (China)	PHLC	622	726	669	25	3.7	12	0	-	91.5	98.4	24	13	63	40	615	9	1.5	14	
Macao (China)	PHLC	43	43	43	4	9.3	1	0	-	97.7	100.0	0	0	0	0	43	0	0.0	0	
Japan	NIID	1 136	1 136	393	195	49.6	0	0	-	No data	No data	52	52	717	106	37	16	43.2	1	
Lao People's Democratic Republic	NCLE	366	366	366	29	7.9	21	0	-	83.9	97.0	0	0	0	0	366	19	5.2	48	
Malaysia	NPHL	7 586	8 645	6 863	241	3.5	73	0	-	53.5	81.0	1 615	14	0	0	6 783	807	11.9	227	
Mongolia	NCCD	213	213	213	0	0.0	0	0	-	99.5	99.5	0	0	0	0	213	8	3.8	7	
New Zealand	CHL	159	176	107	5	4.7	3	0	-	95.1	97.1	1	0	49	3	93	4	4.3	1	
Papua New Guinea	CPHL	85	85	80	10	12.5	0	3	0	76.3	95.0	0	0	12	2	83	4	4.8	2	
Philippines	RITM	6 057	6 069	5 807	2 416	41.6	277	120	23	68.2	80.2	304	90	32	6	3 241	106	3.3	165	
Republic of Korea	KCDC	635	825	487	108	22.2	6	0	-	66.4	92.5	65	65	379	96	430	28	6.5	22	
Singapore	SGH	434	691	199	16	8.0	7	0	-	85.2	98.7	186	5	0	0	291	16	5.5	10	
Viet Nam (central)	Nha Trang	167	167	167	0	0.0	5	0	-	77.8	92.8	0	0	0	0	167	3	1.8	7	
Viet Nam (northern)	NIHE	979	987	944	303	32.1	36	0	-	92.1	97.0	41	0	71	45	821	19	2.3	17	
Viet Nam (southern)	PI	386	458	368	81	22.0	7	0	-	89.1	98.9	90	3	90	3	368	5	1.4	9	
Fiji	Mataika House	60	61	59	0	0.0	0	1	0	89.7	94.8	0	0	0	0	50	4	8.0	0	
Samoa	VIDRL	3	3	3	0	0.0	0	0	-	0.0	100.0	0	0	0	0	1	0	0.0	0	
Solomon Islands	VIDRL	4	4	0	-	-	-	0	-	0.0	100.0	0	0	0	0	4	1	25.0	0	
Total		19 608	21 361	17 318	3 456	20.0	450	183	23	66.3	84.2	2 378	242	1 509	380	14 196	1 159	8.2	530	

¹ National measles laboratory monthly reports received in the Western Pacific Regional Office by 20 February 2014

² Recommendation from the Fourth Meeting on Vaccine Preventable Diseases Laboratory Networks in the Western Pacific Region

Table 6B. Measles and rubella laboratory performance, WHO Western Pacific Region, 2014¹

Country	Laboratory	Measles and rubella		Measles												Rubella				
				Serology								Virus detection				Serum and blood (includes DBS)				
		Total number of cases tested	Total number of samples received	Serum			Blood		Timeliness of reults		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.
Australia	VIDRL	162	229	53	33	62.3	1	0	-	100.0	100.0	0	0	186	168	145	21	0	0.0	0
Brunei Darussalam	DLS	34	34	33	0	0.0	0	0	-	76.5	97.1	0	0	0	0	0	34	1	2.9	0
Cambodia	NPHL	118	118	113	0	0.0	0	5	0	99.1	100.0	0	0	0	0	0	118	20	16.9	0
China	CCDC																			
Hong Kong (China)	PHLC	345	423	365	22	6.0	12	0	-	92.2	99.4	26	17	62	37	33	325	6	1.8	2
Macao (China)	PHLC	33	33	33	1	3.0	0	0	-	100.0	100.0	0	0	1	1	1	32	0	0.0	0
Japan	NIID	824	1 458	307	154	50.2	32	0	-	No data	No data	277	277	-	-	389	10	2	20.0	0
Lao People's Democratic Republic	NCLE	144	144	144	5	3.5	1	0	-	88.0	99.3	0	0	0	0	1	141	5	3.5	12
Malaysia	NPHL	3 224	3 663	2 948	105	3.6	47	0	-	57.9	90.1	678	5	0	0	108	2 834	168	5.9	61
Mongolia	NCCD	50	50	50	0	0.0	0	0	-	100.0	100.0	0	0	0	0	0	50	0	0.0	1
New Zealand	CHL	398	441	135	35	25.9	4	0	-	97.9	98.9	12	8	297	135	152	74	1	1.4	1
Papua New Guinea	CPHL	3 487	3 542	3 530	1 788	50.7	288	0	-	62.2	89.6	0	0	4	2	1 788	2 288	65	2.8	69
Philippines	RITM	29 440	29 529	11 247	7 005	62.3	474	175	85	0.2	0.3	967	318	0	0	7 299	2 799	96	3.4	11
Republic of Korea	KCDC	1 506	1 974	731	181	24.8	73	0	-	76.4	92.4	247	247	1 134	305	434	413	17	4.1	13
Singapore	SGH	337	363	131	32	24.4	9	0	-	72.0	74.1	102	6	0	0	38	130	6	4.6	0
Viet Nam (central)	Nha Trang	384	384	371	216	58.2	3	0	-	81.6	98.9	0	0	13	6	222	162	0	0.0	1
Viet Nam (highland)	IHE	293	293	292	154	52.7	3	0	-	47.1	63.9	0	0	0	0	154	292	0	0.0	0
Viet Nam (northern)	NIHE	2 492	2 508	2 447	1 376	56.2	128	0	-	75.7	94.9	61	1	61	0	1 377	1 237	17	1.4	20
Viet Nam (southern)	PI	8 603	9 926	8 593	1 970	22.9	68	0	-	31.0	40.4	1 333	61	1 335	16	1 977	7 280	4	0.1	6
Fiji	Mataika House	88	88	70	0	0.0	0	18	1	76.3	91.3	0	0	0	0	1	88	3	3.4	1
Total		51 962	55 200	31 593	13 077	41.4	1 143	198	86	34.9	46.9	3 703	940	3 093	670	14 119	18 328	411	2.2	198

¹ National measles laboratory monthly reports received in the Western Pacific Regional Office by 20 July 2014

² Recommendation from the Fourth Meeting on Vaccine Preventable Diseases Laboratory Networks in the Western Pacific Region

Figure 3. Measles genotype distribution of cases with onset in 2013 and 2014, WHO Western Pacific Region

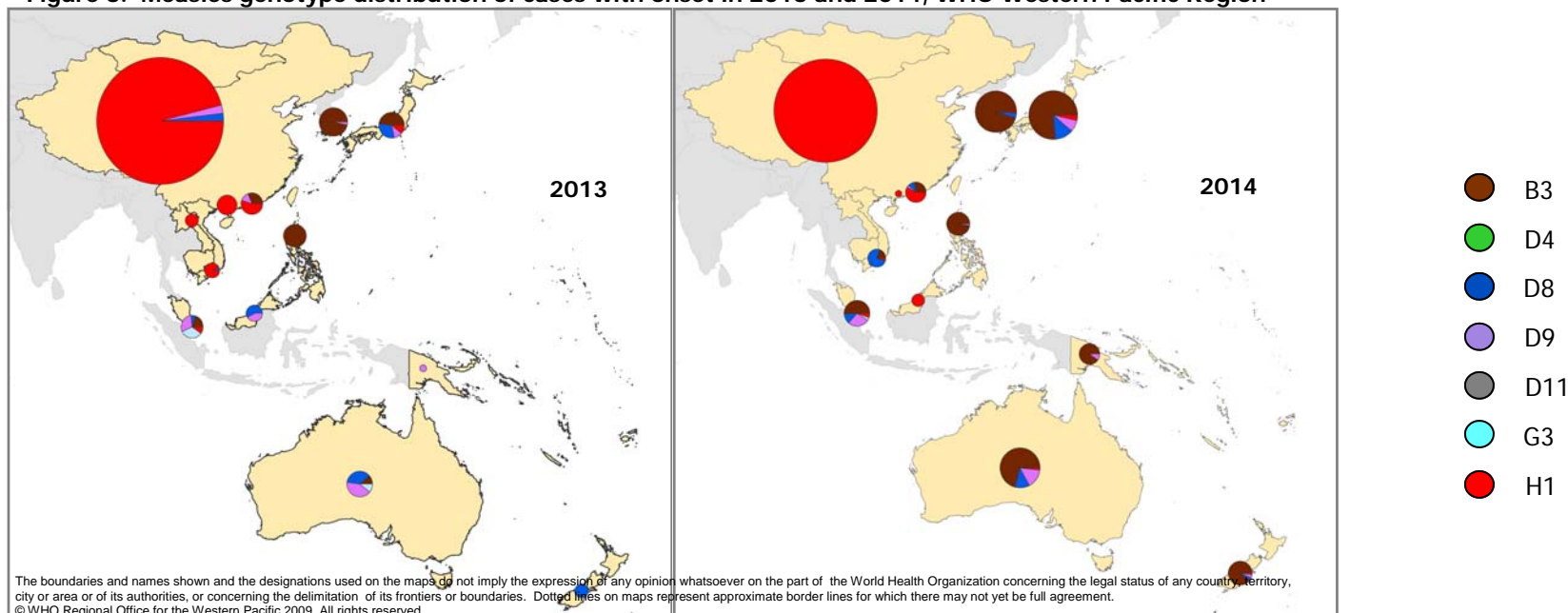


Table 7. Measles genotype distribution of cases with onset in July 2013 to June 2014, WHO Western Pacific Region

Country	2013															2014																																													
	Jul				Aug					Sep				Oct				Nov				Dec				Jan				Feb				Mar				Apr				May				Jun															
	B3	D8	D9	H1	B3	D8	D9	G3	H1	B3	D8	D9	H1	B3	D9	G3	H1	B3	D8	D9	G3	H1	B3	D8	D9	H1	B3	D8	D9	H1	B3	D8	D9	G3	H1	B3	D8	D9	H1	B3	D8	D9	H1	B3	D8	D9	H1														
Australia		2				4		5			4	2				13			1	1	3			5	2	2			50	6	7			38	4	7			1	15	4			2			1	2		9	2	4			6	4	1				
Brunei Darussalam																																																													
Cambodia																																																													
China		6		201		9	5		238		4	146	22	52				51	3	8	132		4	2				423	2	1			418	2	2	459					285					29					2										
Hong Kong (China)				2					2		1	2	3	1	1			1	2	4						2				1	2		5	3	1	3	1	1					2					4	2		2										
Macao (China)				1					1																																																				1
Japan		1				8	4	1					3		1						7	1	2	75	11	1		2	48	1	2		47	5	10	2	26	1	8					1	13	7	2	9	3												
Lao People's Democratic Republic																																																													
Malaysia						1					3																																																		
Mongolia																																																													
New Zealand																				1						10	1							8	1		1	5	2		6				6			5													
Papua New Guinea													3								1						1							2	2		8			9	1				4																
Philippines									1			5		20						2						15	1					23		2			2			45	2		2	104	5		1														
Republic of Korea				7			4		6			6	2	1						3						1					5					19			45	2		2	104	5		1															
Singapore			2				4		4			1						9		1	1						3	2	1					12		4	1					11	2	3	1					3	1	7	1	2	1	2		2	1	1	
Viet Nam				4										1						2	1						15				10								1			3		1																	
Pacific island countries and areas ⁴																																																													

Sources: National and regional measles reference laboratory monthly reports from June 2014 and the Measles Nucleotide Sequence online database (MeANS).

Figure 4. Rubella genotype distribution of cases with onset in 2013 and 2014, WHO Western Pacific Region

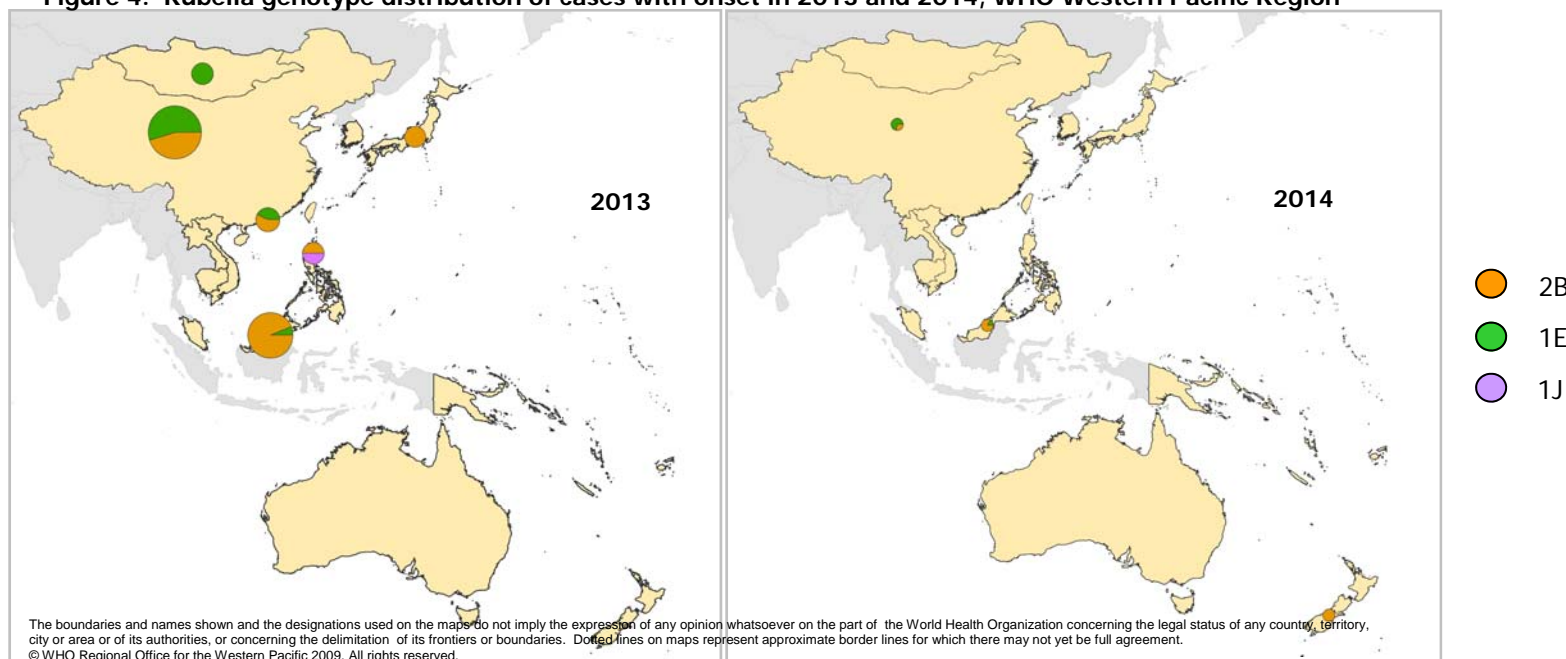


Table 8. Rubella genotype distribution of cases with onset in July 2013 to June 2014, WHO Western Pacific Region

Country	2013												2014											
	Jul		Aug		Sep		Oct		Nov		Dec		Jan		Feb		Mar		Apr		May		Jun	
	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		8	6		1	3			
Hong Kong (China)																								
Macao (China)																								
Japan																								
Lao People's Democratic Republic																								
Malaysia	2			4									3	1	6	1	5	1						
Mongolia																								
New Zealand													1											
Papua New Guinea																								
Philippines	1																							
Republic of Korea																								
Singapore																								
Viet Nam																								
Pacific island countries and areas ⁴																								

Sources: National and regional measles reference laboratory monthly reports from June 2014 and the Measles Nucleotide Sequence online database (MeANS).

Table 9A. Completeness and timeliness of epidemiologic reporting, WHO Western Pacific Region, 2012–2014

Country	2012		2013		2014 ¹						Completeness ²	Timeliness ³
	Completeness	Timeliness	Completeness	Timeliness	Jan	Feb	Mar	Apr	May	Jun		
					10 Feb	10 Mar	10 Apr	10 May	10 Jun	10 Jul		
Australia	100%	100%	100%	100%	11 Feb	07 Mar	09 Apr	09 May	06 Jun	08 Jul	100%	83%
Brunei Darussalam	100%	100%	100%	100%	06 Feb	08 Mar	08 Apr	08 May	03 Jun	07 Jul	100%	100%
Cambodia	100%	92%	100%	100%	10 Feb	10 Mar	10 Apr	10 May	10 Jun	10 Jul	100%	100%
China	100%	83%	100%	83%	14 Feb	19 Mar	11 Apr	16 May	23 Jun	11 Jul	100%	50%
Hong Kong (China)	100%	100%	100%	100%	10 Feb	07 Mar	08 Apr	07 May	10 Jun	10 Jul	100%	100%
Macao (China)	100%	100%	100%	100%	06 Feb	05 Mar	04 Apr	05 May	09 Jun	04 Jul	100%	100%
Japan	100%	100%	100%	83%	11 Feb	12 Mar	13 Apr	10 May	11 Jun	13 Jul	100%	17%
Lao People's Democratic Republic	100%	75%	100%	100%	10 Feb	10 Mar	10 Apr	10 May	10 Jun	10 Jul	100%	100%
Malaysia	100%	92%	100%	100%	04 Feb	03 Mar	03 Apr	07 May	03 Jun	08 Jul	100%	100%
Mongolia	100%	100%	100%	100%	10 Feb	07 Mar	07 Apr	06 May	09 Jun	09 Jul	100%	100%
New Zealand	100%	83%	100%	92%	04 Feb	06 Mar	09 Apr	09 May	09 Jun	09 Jul	100%	100%
Papua New Guinea	83%	33%	100%	92%	10 Feb	10 Mar	09 Apr	08 May	13 Jun	17 Jul	100%	67%
Philippines	100%	100%	100%	100%	09 Feb	08 Mar	04 Apr	05 May	04 Jun	04 Jul	100%	100%
Republic of Korea	100%	100%	100%	100%	06 Feb	10 Mar	09 Apr	10 May	10 Jun	10 Jul	100%	100%
Singapore	100%	100%	100%	100%	10 Feb	10 Mar	07 Apr	08 May	06 Jun	09 Jul	100%	100%
Viet Nam	100%	92%	100%	100%	10 Feb	10 Mar	10 Apr	10 May	10 Jun	10 Jul	100%	100%
Pacific island countries and areas	100%	100%	100%	100%	03 Feb	04 Mar	09 Apr	09 May	04 Jun	07 Jul	100%	100%
Completeness	99%		100%		100%	100%	100%	100%	100%	100%	100%	
Timeliness		92%		97%	88%	88%	94%	94%	82%	88%		89%

¹ National measles surveillance monthly reports from June 2014.

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, 2012–2014

Country	2012		2013		2014 ¹						Completeness ³	Timeliness ⁴
	Completeness	Timeliness	Completeness	Timeliness	Jan	Feb	Mar	Apr	May	Jun		
					10 Feb	10 Mar	10 Apr	10 May	10 Jun	10 Jul		
Australia	100%	100%	100%	100%	04 Feb	05 Mar	01 Apr	02 May	03 Jun	02 Jul	100%	100%
Brunei Darussalam			100%	78%	04 Feb	04 Mar	02 Apr	03 May	06 Jun	01 Jul	100%	100%
Cambodia	100%	100%	100%	100%	10 Feb	10 Mar	10 Apr	10 May	10 Jun	10 Jul	100%	100%
China	17%	17%	100%	100%	07 Feb	07 Mar	09 Apr	10 May	10 Jun	03 Jul	100%	100%
Hong Kong (China)	100%	100%	100%	100%	07 Feb	08 Mar	08 Apr	07 May	09 Jun	09 Jul	100%	100%
Macao (China)	100%	100%	100%	100%	09 Feb	05 Mar	05 Apr	05 May	10 Jun	07 Jul	100%	100%
Japan	100%	100%	100%	100%	12 Feb	12 Mar	13 Apr	10 May	11 Jun	13 Jul	100%	33%
Lao People's Democratic Republic	100%	92%	92%	92%	08 Feb	10 Mar	10 Apr	10 May	10 Jun	10 Jul	100%	100%
Malaysia	100%	58%	100%	100%	10 Feb	10 Mar	11 Apr	09 May	10 Jun	10 Jul	100%	83%
Mongolia	100%	100%	100%	100%	05 Feb	05 Mar	03 Apr	06 May			67%	67%
New Zealand	100%	100%	100%	100%	04 Feb	06 Mar	09 Apr	09 May	09 Jun	09 Jul	100%	100%
Papua New Guinea	92%	50%	83%	83%	17 Feb	05 Mar	08 Apr	08 May	10 Jun	10 Jul	100%	83%
Philippines	100%	92%	100%	100%	07 Feb	11 Mar	10 Apr	09 May	09 Jun	07 Jul	100%	83%
Republic of Korea	100%	100%	100%	100%	07 Feb	10 Mar	10 Apr	09 May	10 Jun	10 Jul	100%	100%
Singapore	100%	100%	100%	100%	10 Feb	10 Mar	07 Apr	08 May	06 Jun	08 Jul	100%	100%
Viet Nam (central)						10 Mar	10 Apr	10 May			60%	60%
Viet Nam (highlands)						10 Mar	10 Apr	10 May	10 Jun		80%	80%
Viet Nam (northern)	92%	83%	100%	50%	11 Feb	10 Mar	10 Apr	10 May	10 Jun	10 Jul	100%	83%
Viet Nam (southern)	83%	83%	100%	67%	10 Feb	10 Mar	10 Apr	09 May	09 Jun	10 Jul	100%	100%
Fiji	100%	100%	100%	100%	03 Feb	04 Mar	09 Apr	09 May	04 Jun	07 Jul	100%	100%
Completeness	93%		99%		100%	100%	100%	100%	90%	85%	96%	
Timeliness		87%		92%	83%	90%	95%	100%	85%	80%		89%

¹ National measles laboratory monthly reports from June 2014.

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