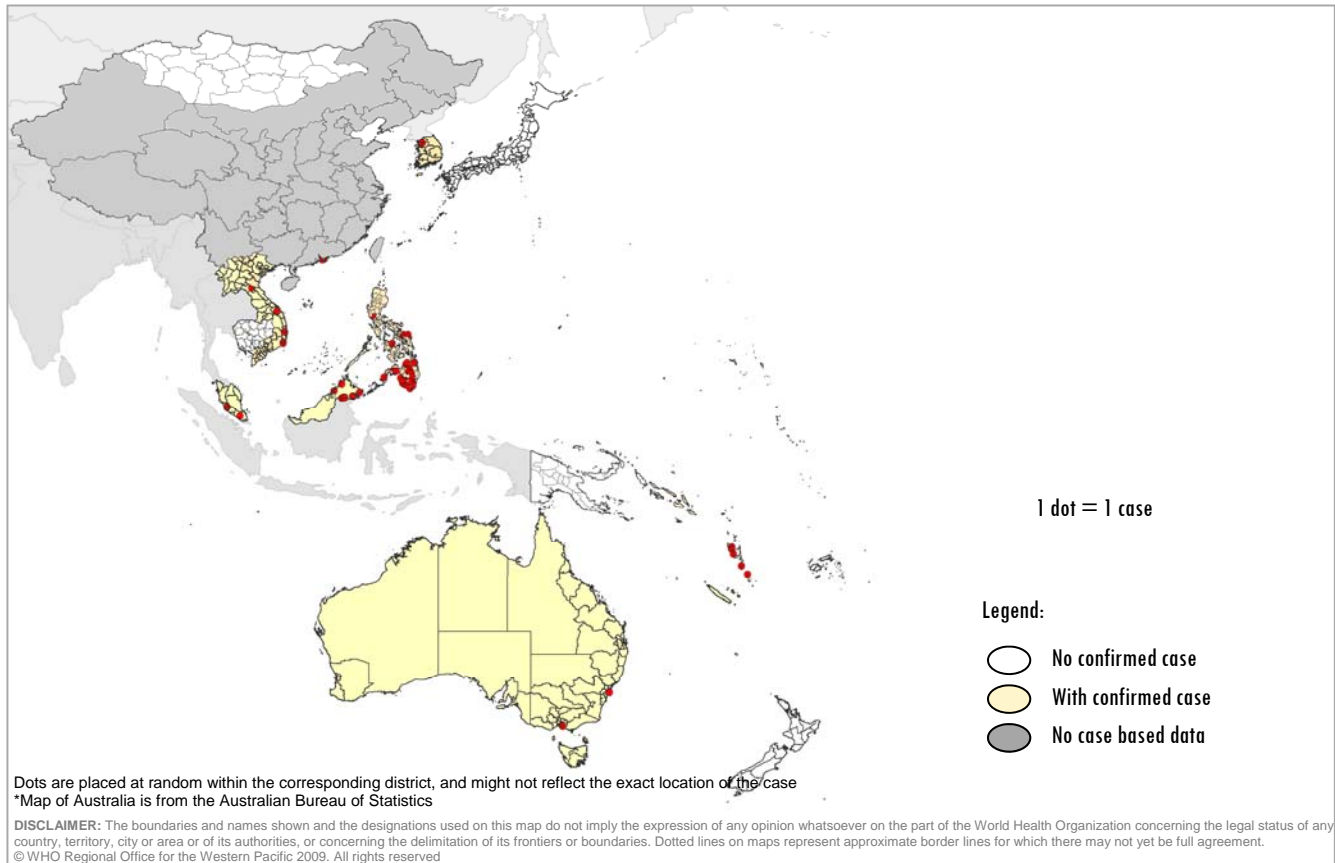


MEASLES-RUBELLA

Bulletin

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



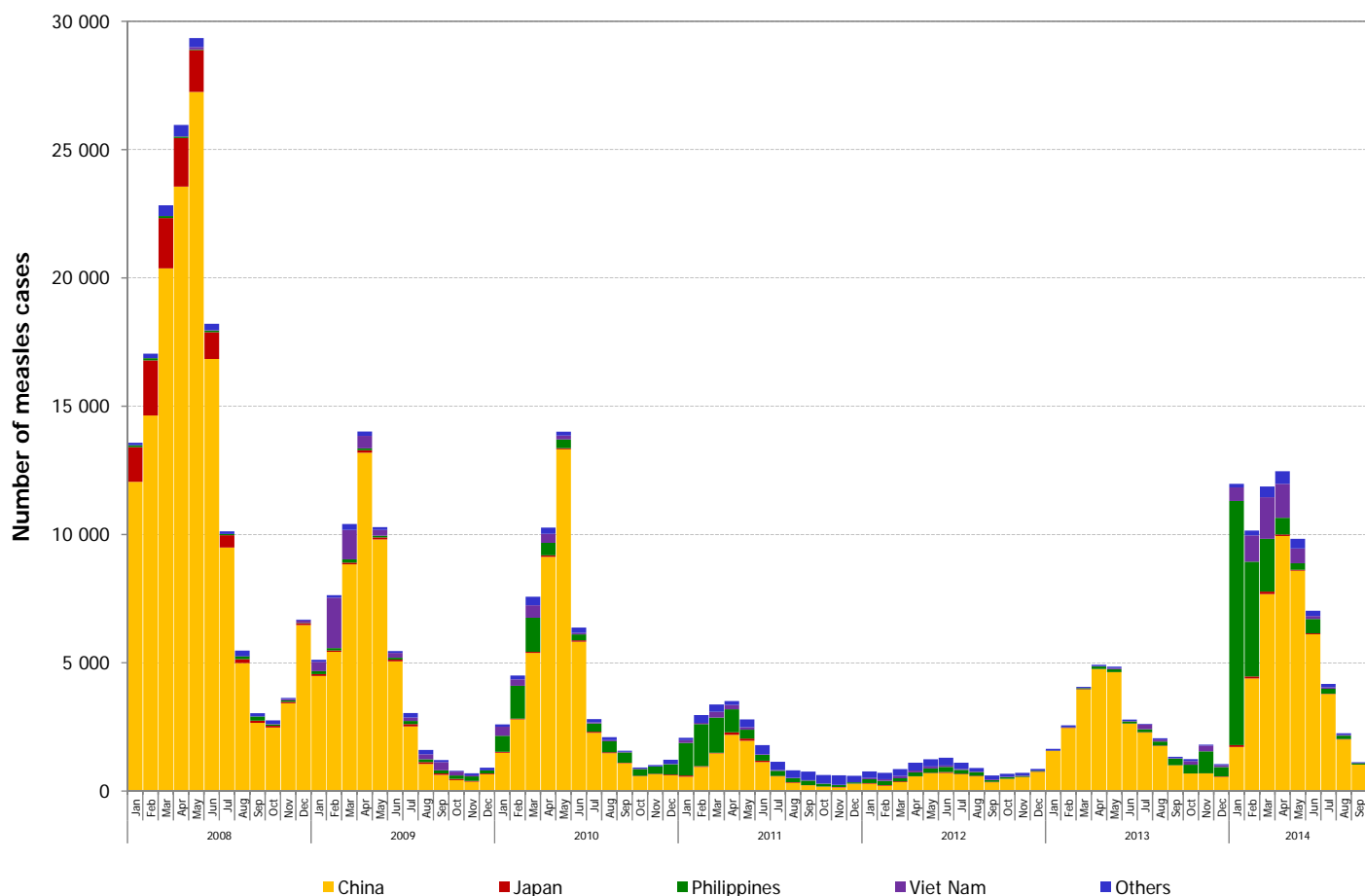
Source: Measles and rubella monthly country reports to the Western Pacific Regional Office by 20 October 2014

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

Country	2013			2014								
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Australia	46	25	13	78	61	36	15	23	34	32	23	2
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	679	688	552	1717	4387	7675	9936	8587	6113	3779	2007	1033
Hong Kong (China)	6	4	4	5	8	7	3	5	4	7	3	3
Macao (China)	0	0	0	0	0	0	0	0	1	0	0	0
Japan	5	7	13	72	77	102	60	37	37	12	18	0
Lao People's Democratic Republic	0	0	0	0	1	0	0	4	0	0	0	1
Malaysia	3	3	4	3	4	63	13	18	17	14	14	11
Mongolia	0	0	0	0	0	0	0	0	0	0	0	0
New Zealand	0	0	8	18	43	36	12	16	98	31	5	0
Papua New Guinea	1	0	4	3	17	205	353	93	1	1	0	0
Philippines	353	1015	1436	9516	4475	2054	650	256	557	194	134	57
Republic of Korea	12	1	3	5	28	60	70	204	43	24	3	1
Singapore	11	5	12	31	28	16	18	10	6	12	9	0
Viet Nam	147	245	143	527	1022	1615	1333	574	118	53	24	3
Pacific island countries and areas	0	0	0	0	0	0	0	0	1	8	6	5
Western Pacific Region	1263	1993	2192	11975	10 151	11 869	12 463	9827	7030	4167	2246	1116

Source: Case based and aggregate data reports to the Western Pacific Regional Office by 20 October 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 October 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)	1990 (MMR)	1985		
Japan	2006 (MR)	1989		
Lao People's Democratic Republic		2012		November 2014 (MR, 9m to <10y)
Malaysia	2002 (M)	1998		
Mongolia	1989 (MMR)	2009		
New Zealand	1992 (MMR)	1979		
Papua New Guinea	2015	2015		April–September 2015 (MR, 9m to <15y)
Philippines	2010 (MMR)	2010		September 2014 (MR, 9m to <5y)
Republic of Korea	1997 (MMR)	1982		
Singapore	1998 (MMR)	1990		
Viet Nam	2006 (M)	2014		October 2014–June 2015 (MR, 9m to <15y)
Pacific island countries and areas				Federated States of Micronesia - ongoing (MMR, 6m to 49y) Solomon Islands - ongoing (MR, 6m to 30y)

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	286	18	304	17.2	0	0	0	0	10-Sep-14
Brunei Darussalam	0	0.0	4	9.9	1	2.4	0	0.0	0.43	14	0	0	0	0.0	0	14	0	0	24-Jul-12
Cambodia	1 156	76.8	722	50.5	0	0.0	0	0.0	14.84	403	0	0	0	0.0	0	379	24	0	15-Nov-11
China	38 159	28.5	9 943	7.4	6 183	4.6	26912	19.8	1 364.77	99 926	45 125	109	45 234	44.2	3 735	49 818	1 139	26	30-Sep-14
Hong Kong (China)	11	1.6	12	1.7	8	1.1	34	4.7	7.35	157	45	0	45	8.2	5	106	0	0	19-Sep-14
Macao (China)	0	0.0	1	1.8	1	1.8	3	5.2	0.59	10	1	0	1	2.3	0	9	0	0	3-Jun-14
Japan	432	3.4	411	3.2	228	1.8	141	1.1	126.23	958	406	9	415	4.4	17	523	3	0	29-Aug-14
Lao People's Democratic Republic	153	23.8	113	18.0	36	5.6	68	10.5	6.54	223	6	0	6	1.2		192	25	0	14-Sep-14
Malaysia	74	2.7	1 603	54.4	1 868	63.7	177	5.9	30.25	3 799	130	27	157	6.9	25	3 072	522	1	27-Sep-14
Mongolia	7	2.6	0	0.0	0	0.0	0	0.0	2.93	109	0	0	0	0.0	0	109	0	0	19-Jun-10
New Zealand	48	11.2	599	135.7	55	12.3	3	0.7	4.55	305	160	99	259	75.8	10	28	7	0	7-Aug-14
Papua New Guinea	0	0.0	0	0.0	0	0.0	7	1.0	7.49	1 456	671	2	673	119.9	4	661	118	0	5-Jul-14
Philippines	6 388	68.2	6 555	69.1	1 536	15.9	3743	38.1	99.77	53 810	7 830	10 063	17 893	239.1	32 451	2 620	846	102	17-Sep-14
Republic of Korea	111	2.3	43	0.9	2	0.0	116	2.4	48.95	1 503	429	9	438	11.9	0	1 026	4	0	3-Sep-14
Singapore	54	11.2	143	27.6	40	7.6	56	10.6	5.34	235	130	0	130	32.5	35	70	0	0	26-Aug-14
Viet Nam	1 826	20.5	745	8.4	637	5.9	895	9.9	91.56	16 384	4 341	940	5 281	76.9	485	2 256	8 362	2	5-Sep-14
Pacific island countries and areas ⁶	1	0.3	2	1.0	0	0.0	0	0.0	3.27	1 101	20	0	20	8.2	0	102	979	0	19-Sep-14
Western Pacific Region	48 490	27.0	21 088	11.7	10 794	5.9	32 309	17.7	1 838.36	180 393	59 580	11 276	70 856	51.4	36 767	60 985	12 029	131	

¹ Includes all cases reported to the Western Pacific Regional Office by 20 October 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 1-9.9 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%	4.4	100.0%	100.0%	100.0%
Cambodia	3.7	45.8%	68.5%	98.0%	3.4	58.3%	61.5%	99.3%
China	3.7	64.5%	99.4%	94.6%	4.9	74.2%	98.9%	95.1%
Hong Kong (China)	2.5	100.0%	94.2%	91.1%	1.9	0.0%	100.0%	92.4%
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	0.6	0.0%	Insufficient data	Insufficient data
Lao People's Democratic Republic	7.5	58.8%	36.1%	66.5%	3.9	52.9%	85.2%	86.1%
Malaysia	22.6	100.0%	82.3%	81.1%	13.5	93.8%	79.2%	91.1%
Mongolia	7.4	36.4%	100.0%	100.0%	5.0	31.8%	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%	11.8	35.0%	0.0%	95.2%
Philippines	3.3	64.7%	46.1%	63.2%	3.5	47.1%	61.1%	83.0%
Republic of Korea	0.8	6.3%	63.7%	72.9%	2.8	43.8%	95.9%	61.4%
Singapore	1.3	0.0%	75.4%	18.1%	1.7	0.0%	83.4%	24.7%
Viet Nam	1.2	21.9%	49.2%	63.9%	3.3	50.0%	48.3%	91.1%
Pacific island countries and areas	2.0	Insufficient data	0.0%	Insufficient data	4.2	Insufficient data	0.0%	Insufficient data
Western Pacific Region	3.6	38.0%	91.7%	89.9%	4.4	46.8%	82.3%	91.1%

¹ Includes all cases reported to the Western Pacific Regional Office by 20 October 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	14	0	0	0	0.0	0	14	0	-
Cambodia	14.84	379	24	0	24	2.2	1	354	0	-
China	1 364.77	10 884	-	-	10 884	10.6	0	-	-	-
Hong Kong (China)	7.35	157	1	0	1	0.2	0	156	0	-
Macao (China)	0.59	9	0	0	0	0.0	0	9	0	-
Japan	126.23	No data	-	-	-	No data	-	-	-	-
Lao People's Democratic Republic	6.54	198	8	7	15	3.1	0	183	0	-
Malaysia	30.25	3 799	145	54	199	8.8	0	3 078	522	-
Mongolia	2.93	109	0	0	0	0.0	0	109	0	-
New Zealand	4.55	No data	-	-	-	No data	-	-	-	-
Papua New Guinea	7.49	No data	-	-	-	No data	-	-	-	-
Philippines	99.77	53 810	161	5	166	2.2	0	52 798	846	-
Republic of Korea	48.95	1 503	1	0	1	0.0	0	1 501	1	-
Singapore	5.34	11	0	0	0	0.0	0	8	3	-
Viet Nam	91.56	10 812	22	0	22	0.3	0	2 171	8 619	0
Pacific island countries and areas ⁴	3.27	95	3	0	3	1.2	0	90	2	-
Western Pacific Region	1 838.36	81 780	365	66	11 315	8.2	1	60 471	9 993	0

¹ Includes all cases reported to the Western Pacific Regional Office by 20 October 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	
				No.	No.	%	No.	No. received	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 ³	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

³ National measles laboratory report is not available

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 results		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	216	299	65	41	63.1	3	0	-	100.0	100.0	0	0	245	225	197	24	0	0.0	0		
Brunei Darussalam	DLS	47	47	46	0	0.0	0	0	-	68.1	97.9	0	0	0	0	0	47	1	2.1	0		
Cambodia	NPHL	402	402	360	0	0.0	0	42	0	98.0	100.0	0	0	0	0	0	102	26	25.5	0		
China ³	CCDC																					
Hong Kong (China)	PHLC	501	613	527	32	6.1	16	0	-	93.2	99.4	38	25	94	55	47	480	8	1.7	5		
Macao (China)	PHLC	45	45	45	1	2.2	0	0	-	100.0	100.0	0	0	1	1	1	44	0	0.0	0		
Japan	NIID	528	2 315	369	180	48.8	10	0	-	No data	No data	314	314	728	359	432	11	2	18.2	0		
Lao People's Democratic Republic	NCLE	194	195	195	6	3.1	1	0	-	90.6	99.5	0	0	0	0	6	192	7	3.6	16		
Malaysia	NPHL	4 261	4 817	3 937	195	5.0	66	0	-	63.3	89.4	840	6	0	0	199	3 716	189	5.1	75		
Mongolia	NCCD	109	110	109	0	0.0	0	0	-	100.0	100.0	0	0	0	0	0	109	1	0.9	1		
New Zealand	CHL	623	692	208	42	20.2	4	0	-	98.2	98.8	15	8	469	157	176	92	4	4.3	1		
Papua New Guinea	CPHL	4 411	4 480	4 468	2 188	49.0	345	0	-	66.6	89.6	0	0	3	2	2 188	2 366	66	2.8	74		
Philippines	RITM	39 201	39 201	13 238	8 788	66.4	474	269	139	0.4	0.8	1 168	383	830	760	9 425	4 353	163	3.7	76		
Republic of Korea	KCDC	1 759	2 367	1 143	260	22.7	98	0	-	75.9	93.4	321	321	1 333	326	462	657	23	3.5	34		
Singapore	SGH	480	522	175	38	21.7	13	0	-	73.2	75.1	132	6	0	0	44	206	8	3.9	1		
Viet Nam (central)	Nha Trang	1 674	1 674	1 618	963	59.5	25	0	-	74.5	90.0	0	0	91	50	987	696	1	0.1	2		
Viet Nam (highland)	IHE	451	451	450	245	54.4	3	0	-	37.7	52.5	0	0	0	0	245	393	1	0.3	0		
Viet Nam (northern)	NIHE	4 639	4 875	1 417	818	57.7	82	0	-	42.5	70.8	160	0	80	4	834	612	3	0.5	1		
Viet Nam (southern)	PI	11 071	12 395	11 053	2 533	22.9	105	0	-	28.1	41.1	1 342	61	1 344	16	2 540	9 740	4	0.0	6		
Fiji	Mataika House	93	93	75	0	0.0	0	18	1	76.5	91.8	0	0	0	0	1	93	3	3.2	0		
Vanuatu	Mataika House	10	10	10	2	20.0	1	0	-	100.0	100.0	0	0	0	0	1	10	1	10.0	3		
Total		70 715	75 603	39 508	16 332	41.3	1 246	329	140	34.7	45.9	4 330	1 124	5 218	1 955	17 785	23 943	511	2.1	295		

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

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

³ National measles laboratory report is not available

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	Jul	Aug	Sep			
					10 Feb	10 Mar	10 Apr	10 May	10 Jun	10 Jul	10 Aug	10 Sep	10 Oct			
Australia	100%	100%	100%	100%	11 Feb	07 Mar	09 Apr	09 May	06 Jun	08 Jul	08 Aug	02 Sep	10 Oct	100%	89%	
Brunei Darussalam	100%	100%	100%	100%	06 Feb	08 Mar	08 Apr	08 May	03 Jun	07 Jul	09 Aug	08 Sep	08 Oct	100%	100%	
Cambodia	100%	92%	100%	100%	10 Feb	10 Mar	10 Apr	10 May	10 Jun	10 Jul	10 Aug	10 Sep	10 Oct	100%	100%	
China	100%	83%	100%	83%	14 Feb	19 Mar	11 Apr	16 May	23 Jun	11 Jul	18 Aug	15 Sep	11 Oct	100%	56%	
Hong Kong (China)	100%	100%	100%	100%	10 Feb	07 Mar	08 Apr	07 May	10 Jun	10 Jul	08 Aug	10 Sep	10 Oct	100%	100%	
Macao (China)	100%	100%	100%	100%	06 Feb	05 Mar	04 Apr	05 May	09 Jun	04 Jul	05 Aug	08 Sep	06 Oct	100%	100%	
Japan	100%	100%	100%	83%	11 Feb	12 Mar	13 Apr	10 May	11 Jun	13 Jul	10 Aug	11 Sep	13 Oct	100%	22%	
Lao People's Democratic Republic	100%	75%	100%	100%	10 Feb	10 Mar	10 Apr	10 May	10 Jun	10 Jul	10 Aug	10 Sep	10 Oct	100%	100%	
Malaysia	100%	92%	100%	100%	04 Feb	03 Mar	03 Apr	07 May	03 Jun	08 Jul	05 Aug	12 Sep	10 Oct	100%	89%	
Mongolia	100%	100%	100%	100%	10 Feb	07 Mar	07 Apr	06 May	09 Jun	09 Jul	10 Aug	09 Sep	09 Oct	100%	100%	
New Zealand	100%	83%	100%	92%	04 Feb	06 Mar	09 Apr	09 May	09 Jun	09 Jul	08 Aug	09 Sep	07 Oct	100%	100%	
Papua New Guinea	83%	33%	100%	92%	10 Feb	10 Mar	09 Apr	08 May	13 Jun	17 Jul	28 Aug		10 Oct	89%	56%	
Philippines	100%	100%	100%	100%	09 Feb	08 Mar	04 Apr	05 May	04 Jun	04 Jul	08 Aug	08 Sep	09 Oct	100%	100%	
Republic of Korea	100%	100%	100%	100%	06 Feb	10 Mar	09 Apr	10 May	10 Jun	10 Jul	10 Aug	05 Sep	10 Oct	100%	100%	
Singapore	100%	100%	100%	100%	10 Feb	10 Mar	07 Apr	08 May	06 Jun	09 Jul	10 Aug	04 Sep	09 Oct	100%	100%	
Viet Nam	100%	92%	100%	100%	10 Feb	10 Mar	10 Apr	10 May	10 Jun	10 Jul	10 Aug	10 Sep	10 Oct	100%	100%	
Pacific island countries and areas	100%	100%	100%	100%	03 Feb	04 Mar	09 Apr	09 May	04 Jun	07 Jul	08 Aug	04 Sep	09 Oct	100%	100%	
Completeness	99%		100%		100%	100%	100%	100%	100%	100%	100%	94%	100%	99%		
Timeliness		92%		97%	88%	88%	94%	94%	82%	88%	88%	82%	94%		89%	

¹ National measles surveillance monthly reports from September 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	Jul	Aug	Sep			
					10 Feb	10 Mar	10 Apr	10 May	10 Jun	10 Jul	10 Aug	10 Sep	10 Oct			
Australia	100%	100%	100%	100%	04 Feb	05 Mar	01 Apr	02 May	03 Jun	02 Jul	07 Aug	02 Sep	03 Oct	100%	100%	
Brunei Darussalam			100%	78%	04 Feb	04 Mar	02 Apr	03 May	06 Jun	01 Jul	04 Aug	02 Sep	09 Oct	100%	100%	
Cambodia	100%	100%	100%	100%	10 Feb	10 Mar	10 Apr	10 May	10 Jun	10 Jul	10 Aug	10 Sep	10 Oct	100%	100%	
China	17%	17%	100%	100%	07 Feb	07 Mar	09 Apr	10 May	10 Jun	03 Jul	07 Aug	05 Sep	08 Oct	100%	100%	
Hong Kong (China)	100%	100%	100%	100%	07 Feb	08 Mar	08 Apr	07 May	09 Jun	09 Jul	06 Aug	05 Sep	08 Oct	100%	100%	
Macao (China)	100%	100%	100%	100%	09 Feb	05 Mar	05 Apr	05 May	10 Jun	07 Jul	05 Aug	08 Sep	06 Oct	100%	100%	
Japan	100%	100%	100%	100%	12 Feb	12 Mar	13 Apr	10 May	11 Jun	13 Jul	10 Aug	11 Sep	13 Oct	100%	44%	
Lao People's Democratic Republic	100%	92%	92%	92%	08 Feb	10 Mar	10 Apr	10 May	10 Jun	10 Jul	10 Aug	10 Sep	10 Oct	100%	100%	
Malaysia	100%	58%	100%	100%	10 Feb	10 Mar	11 Apr	09 May	10 Jun	10 Jul	10 Aug	11 Sep	10 Oct	100%	78%	
Mongolia	100%	100%	100%	100%	05 Feb	05 Mar	03 Apr	06 May	05 Jun	06 Jul	05 Aug	06 Sep	02 Oct	100%	100%	
New Zealand	100%	100%	100%	100%	04 Feb	06 Mar	09 Apr	09 May	09 Jun	09 Jul	08 Aug	09 Sep	07 Oct	100%	100%	
Papua New Guinea	92%	50%	83%	83%	17 Feb	05 Mar	08 Apr	08 May	10 Jun	10 Jul	08 Aug	09 Sep	10 Oct	100%	89%	
Philippines	100%	92%	100%	100%	07 Feb	11 Mar	10 Apr	09 May	09 Jun	07 Jul	07 Aug	08 Sep	09 Oct	100%	89%	
Republic of Korea	100%	100%	100%	100%	07 Feb	10 Mar	10 Apr	09 May	10 Jun	10 Jul	08 Aug	06 Sep	08 Oct	100%	100%	
Singapore	100%	100%	100%	100%	10 Feb	10 Mar	07 Apr	08 May	06 Jun	08 Jul	08 Aug	09 Sep	08 Oct	100%	100%	
Viet Nam (central)						10 Mar	10 Apr	10 May			08 Aug	10 Sep	10 Oct	75%	75%	
Viet Nam (highlands)						10 Mar	10 Apr	10 May	10 Jun		08 Aug	10 Sep	10 Oct	88%	88%	
Viet Nam (northern)	92%	83%	100%	50%	11 Feb	10 Mar	10 Apr	10 May	10 Jun	10 Jul	08 Aug	10 Sep	10 Oct	100%	89%	
Viet Nam (southern)	83%	83%	100%	67%	10 Feb	10 Mar	10 Apr	09 May	09 Jun	10 Jul	28 Jul	09 Sep	09 Oct	100%	100%	
Fiji	100%	100%	100%	100%	03 Feb	04 Mar	09 Apr	09 May	04 Jun	07 Jul	08 Aug	04 Sep	09 Oct	100%	100%	
Completeness	93%		99%		100%	100%	100%	100%	95%	90%	100%	100%	100%	98%		
Timeliness		87%		92%	83%	90%	95%	100%	90%	85%	100%	90%	0%		81%	

¹ National measles laboratory monthly reports from September 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.

Expanded Programme on Immunization
Regional Office for the Western Pacific
World Health Organization

P.O. Box 2932, 1000 Manila, Philippines
Tel. No. (63 2) 5288001
Fax No. (63 2) 5211036, 5260279

Please send your comments and monthly data before the 10th of the month to:
WPR_EPIdata@wpro.who.int