

MEASLES-RUBELLA



Figure 1. Confirmed measles cases, WHO Western Pacific Region, 1–28 February 2014

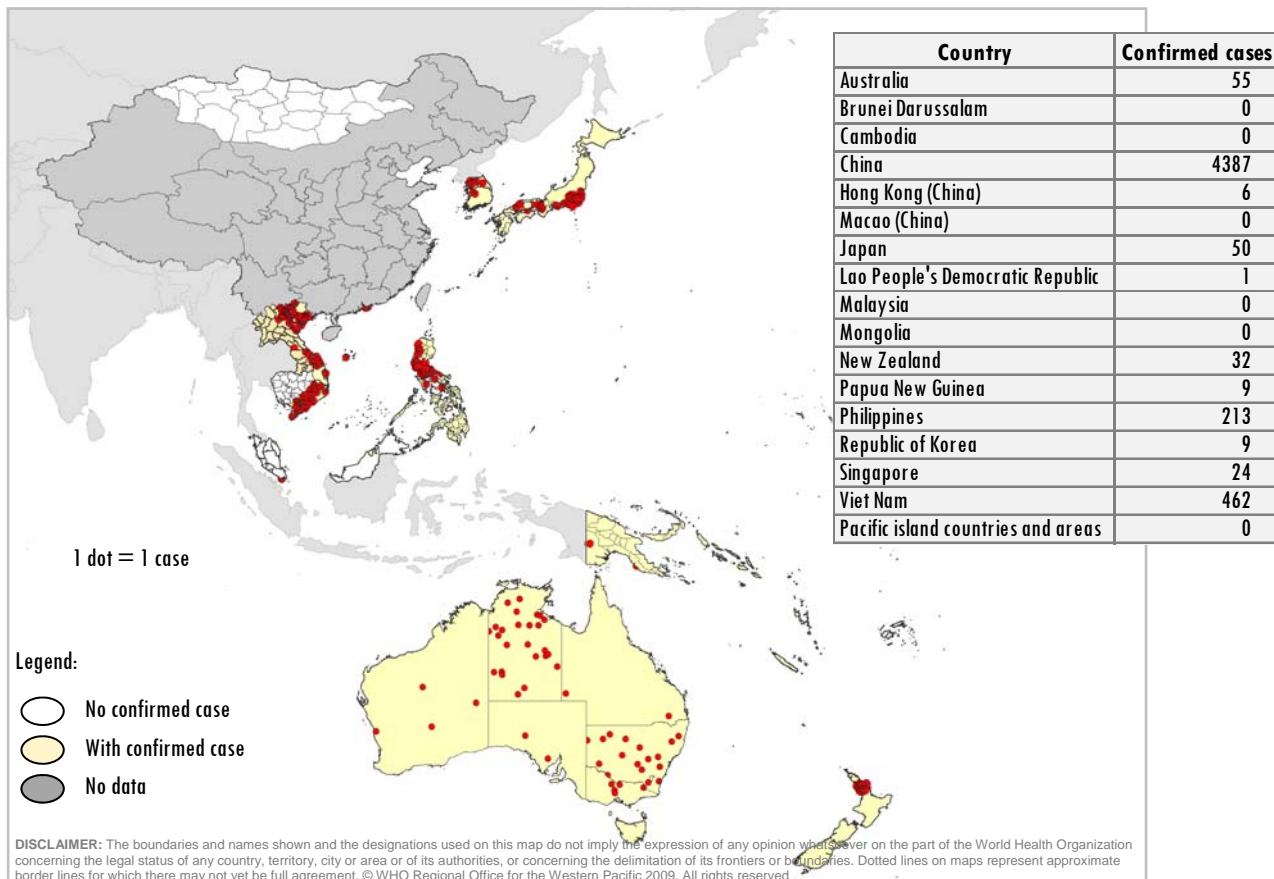
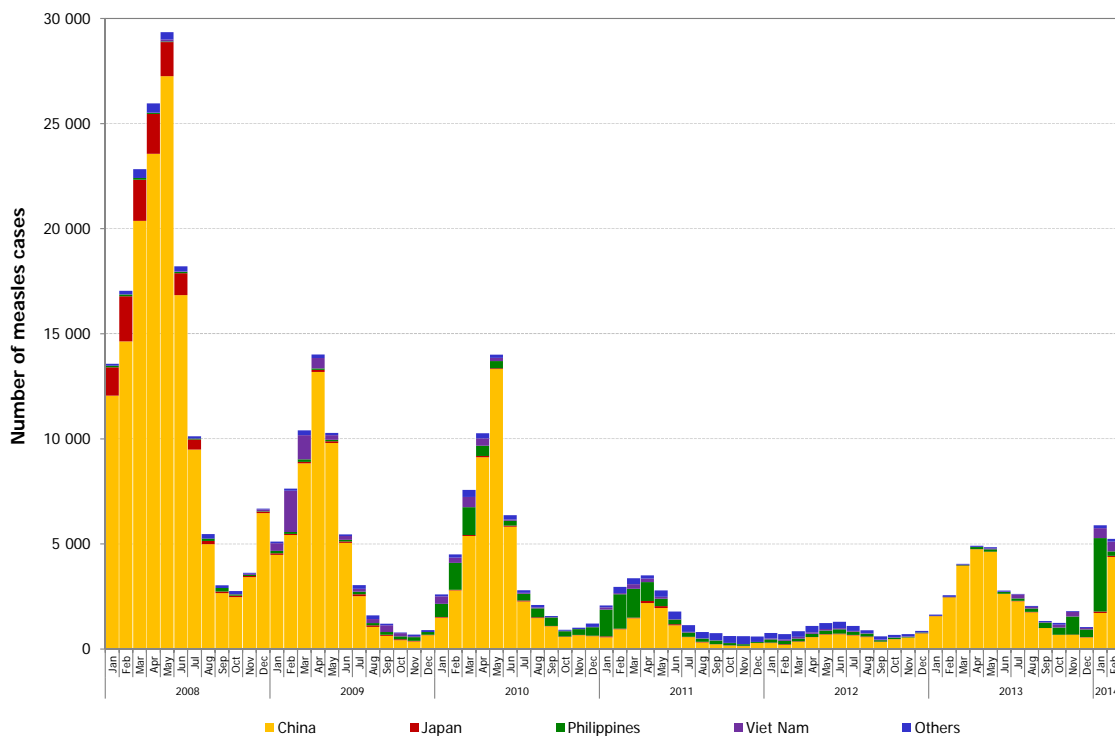


Figure 2. Measles cases by month of onset, WHO Western Pacific Region, 2008–2014¹



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

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

Table 1. 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	128	4	132	33.7	0	0	0	0	28-Feb-14
Brunei Darussalam	0	0.0	4	9.9	1	2.4	0	0.0	0.43	1	0	0	0	0.0	0	1	0	0	24-Jul-12
Cambodia	1 156	76.8	722	50.5	0	0.0	0	0.0	14.84	61	0	0	0	0.0	0	61	0	0	15-Nov-11
China	38 159	28.5	9 943	7.4	6 183	4.6	26912	19.8	1 364.77	14 497	6 050	54	6 104	26.8	540	6 576	1 277	2	28-Feb-14
Hong Kong (China)	11	1.6	12	1.7	8	1.1	34	4.7	7.35	29	10	0	10	8.2	1	18	0	0	22-Feb-14
Macao (China)	0	0.0	1	1.8	1	1.8	3	5.2	0.59	2	0	0	0	0.0	0	2	0	0	4-Aug-13
Japan	432	3.4	411	3.2	228	1.8	141	1.1	126.23	183	114	5	119	5.7	12	52	0	0	26-Feb-14
Lao People's Democratic Republic	153	23.8	113	18.0	36	5.6	68	10.5	6.54	71	1	0	1	0.9	0	70	0	0	22-Feb-14
Malaysia	74	2.7	1 603	54.4	1 868	63.7	174	5.8	30.25	896	3	0	3	0.6	1	527	361	0	31-Jan-14
Mongolia	7	2.6	0	0.0	0	0.0	0	0.0	2.93	26	0	0	0	0.0	0	26	0	0	19-Jun-10
New Zealand	48	11.2	599	135.7	55	12.3	3	0.7	4.55	62	42	6	48	63.2	5	0	9	0	22-Feb-14
Papua New Guinea	0	0.0	0	0.0	0	0.0	7	1.0	7.49	36	11	0	11	8.8	0	24	1	0	24-Feb-14
Philippines	6 388	68.2	6 555	69.1	1 536	15.9	2440	24.9	99.77	17 630	1 900	1 806	3 706	222.9	3 809	553	9 562	69	18-Feb-14
Republic of Korea	111	2.3	43	0.9	2	0.0	116	2.4	48.95	47	13	0	13	1.6	0	23	8	0	18-Feb-14
Singapore	54	11.2	143	27.6	40	7.6	56	10.6	5.34	77	55	0	55	61.8	7	15	0	0	26-Feb-14
Viet Nam	1 826	20.5	745	8.4	637	5.9	802	8.8	91.56	1 486	687	249	936	61.3	4	278	268	0	28-Feb-14
Pacific island countries and areas ⁶	1	0.3	2	1.0	0	0.0	0	0.0	3.27	12	1	0	1	1.8	0	11	0	0	4-Jan-14
Western Pacific Region	48 490	27.0	21 088	11.7	10 794	5.9	30 910	16.9	1 838.36	35 116	9 015	2 124	11 139	36.4	4 379	8 237	11 486	71	

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

	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 2. 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%	1.4	0.0%	100.0%	100.0%
Cambodia	3.7	45.8%	68.5%	98.0%	2.5	16.7%	77.0%	98.4%
China	3.7	64.5%	99.4%	94.6%	2.9	38.7%	98.5%	88.5%
Hong Kong (China)	2.5	100.0%	94.2%	91.1%	1.5	0.0%	89.7%	86.2%
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	0.2	0.0%	Insufficient data	Insufficient data
Lao People's Democratic Republic	7.5	58.8%	36.1%	66.5%	6.4	29.4%	88.7%	93.0%
Malaysia	21.0	100.0%	82.3%	81.0%	10.5	93.8%	77.1%	92.5%
Mongolia	7.4	36.4%	100.0%	100.0%	5.3	4.5%	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%	1.9	10.0%	0.0%	80.6%
Philippines	3.1	64.7%	61.7%	84.5%	3.3	29.4%	44.9%	76.1%
Republic of Korea	0.8	6.3%	63.7%	72.9%	0.3	0.0%	76.6%	74.5%
Singapore	1.3	0.0%	75.4%	18.1%	1.7	0.0%	88.3%	26.0%
Viet Nam	1.0	21.9%	57.5%	74.8%	1.8	9.4%	74.7%	92.1%
Pacific island countries and areas	2.0	Insufficient data	0.0%	Insufficient data	2.0	Insufficient data	0.0%	Insufficient data
Western Pacific Region	3.5	38.0%	94.0%	92.2%	2.7	19.2%	70.9%	82.6%

¹ Includes all cases reported to the Western Pacific Regional Office by 20 March 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 3. 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	1	0	0	0	0.0	0	1	0	-
Cambodia	14.84	61	12	0	12	4.9	1	48	0	-
China	1 364.77	1 553	-	-	1 553	6.8	0	-	-	-
Hong Kong (China)	7.35	29	0	0	0	0.0	0	29	0	-
Macao (China)	0.59	2	0	0	0	0.0	0	2	0	-
Japan	126.23	No data	-	-	-	No data	-	-	-	-
Lao People's Democratic Republic	6.54	71	2	5	7	6.4	0	64	0	-
Malaysia	30.25	896	14	0	14	2.8	0	517	361	-
Mongolia	2.93	26	0	0	0	0.0	0	26	0	-
New Zealand	4.55	No data	-	-	-	No data	-	-	-	-
Papua New Guinea	7.49	No data	-	-	-	No data	-	-	-	-
Philippines	99.77	13 862	27	0	27	1.6	0	4 267	9 568	-
Republic of Korea	48.95	47	0	0	0	0.0	0	47	0	-
Singapore	5.34	3	0	0	0	0.0	0	3	0	-
Viet Nam	91.56	1 071	3	0	3	0.2	0	756	311	-
Pacific island countries and areas ⁴	3.27	12	1	0	1	1.8	0	11	0	-
Western Pacific Region	1 838.36	17 634	59	5	1 617	5.3	1	5 771	10 240	0

¹ Includes all cases reported to the Western Pacific Regional Office by 20 March 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 4A. 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	<4 days ²	<7 days	No. of samples tested	No. of isolates	No. of samples tested	No. (+)	No.		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	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 20th of February 2014

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

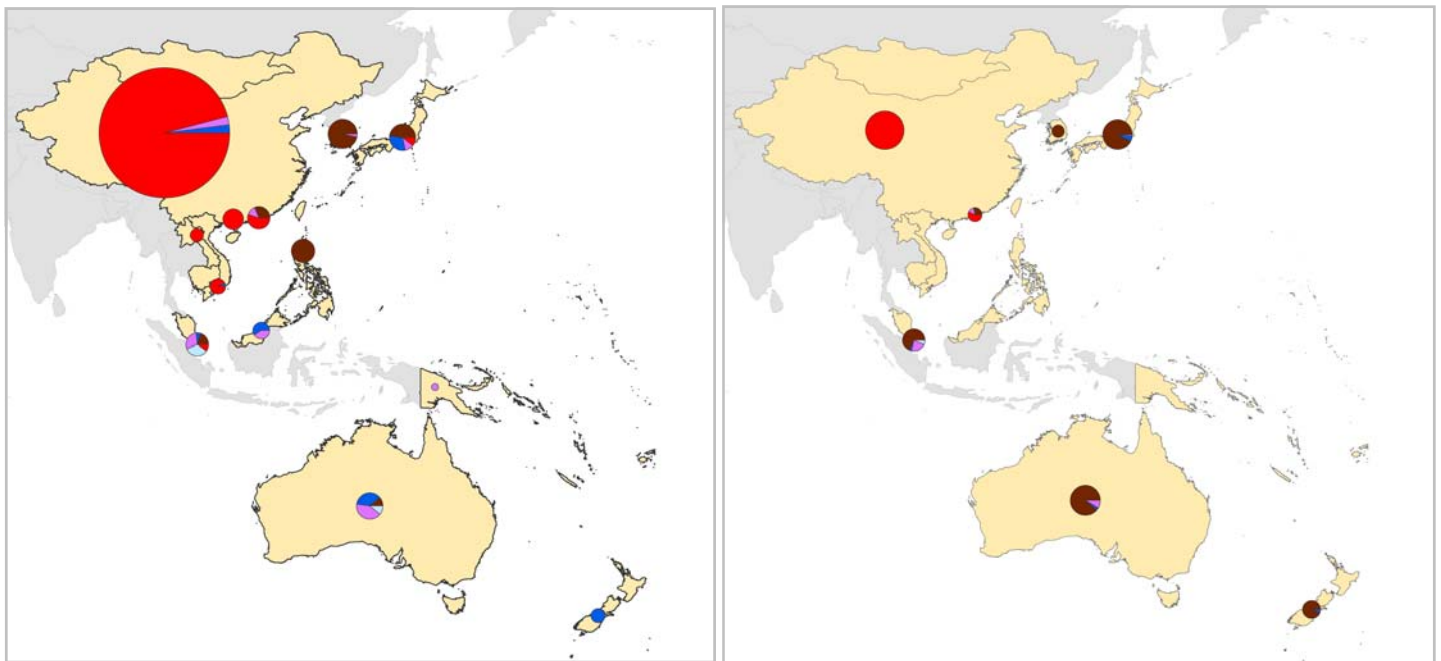
Table 4B. Measles and rubella laboratory performance, WHO Western Pacific Region, 2014¹

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.
Australia	VIDRL	101	149	38	24	63.2	0	0	-	100.0	100.0	0	0	114	103	88	5	0	0.0	0
Brunei Darussalam	DLS	9	9	8	0	0.0	0	0	-	87.5	100.0	0	0	0	0	0	4	0	0.0	0
Cambodia	NPHL	60	60	59	0	0.0	0	1	0	100.0	100.0	0	0	0	0	0	14	2	14.3	0
Hong Kong (China)	PHLC	89	103	93	5	5.4	4	0	-	90.5	98.8	4	0	15	11	10	42	2	4.8	0
Macao (China)	PHLC	12	12	12	0	0.0	0	0	-	100.0	100.0	0	0	0	0	0	5	0	0.0	0
Japan	NIID	183	No data	77	46	59.7	0	0	-	No data	No data	71	71	126	102	115	No data	No data	No data	No data
Lao People's Democratic Republic	NCLE	65	65	65	0	0.0	1	0	-	100.0	100.0	0	0	0	0	0	14	0	0.0	1
Malaysia	NPHL	995	1 107	946	16	1.7	8	0	-	43.9	92.1	154	0	0	0	16	410	9	2.2	5
Mongolia	NCCD	26	26	26	0	0.0	0	0	-	100.0	100.0	0	0	0	0	0	17	0	0.0	1
New Zealand	CHL	110	138	52	20	38.5	2	0	-	95.8	95.8	0	0	81	45	53	7	0	0.0	0
Papua New Guinea	CPHL	14	18	11	4	36.4	0	0	-	85.7	100.0	0	0	0	0	4	14	1	7.1	1
Philippines	RITM	11 097	11 125	4 630	3 117	67.3	93	93	56	1.5	1.6	0	0	0	0	3 173	1 457	45	3.1	5
Republic of Korea	KCDC	80	85	69	21	30.4	8	0	-	84.6	100.0	5	5	46	6	21	17	2	11.8	2
Singapore	SGH	115	127	48	16	33.3	4	0	-	71.3	74.8	37	3	0	0	19	15	0	0.0	0
Viet Nam (central)	Nha Trang	37	37	35	14	40.0	2	0	-	100.0	100.0	0	0	6	2	15	27	0	0.0	5
Viet Nam (highland)	IHE	65	65	73	39	53.4	2	0	-	58.7	100.0	0	0	0	0	39	70	0	0.0	55
Viet Nam (northern)	NIHE	539	539	536	320	59.7	32	0	-	98.7	100.0	3	1	3	0	321	379	4	1.1	7
Viet Nam (southern)	PI	759	1 081	768	580	75.5	7	0	-	10.1	81.5	322	0	322	0	580	389	2	0.5	4
Fiji	Mataika House	19	19	17	0	0.0	0	2	1	78.9	94.7	0	0	0	0	1	19	10	52.6	1
Total		14 375	14 765	7 563	4 222	55.8	163	96	57	21.1	35.3	596	80	713	269	4 455	2 905	77	2.7	87

¹ National measles laboratory monthly reports received in the Western Pacific Regional Office by 20th of March 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



* Size of the pie chart is proportional to the number of genotypes reported by the country

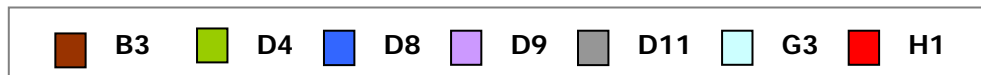


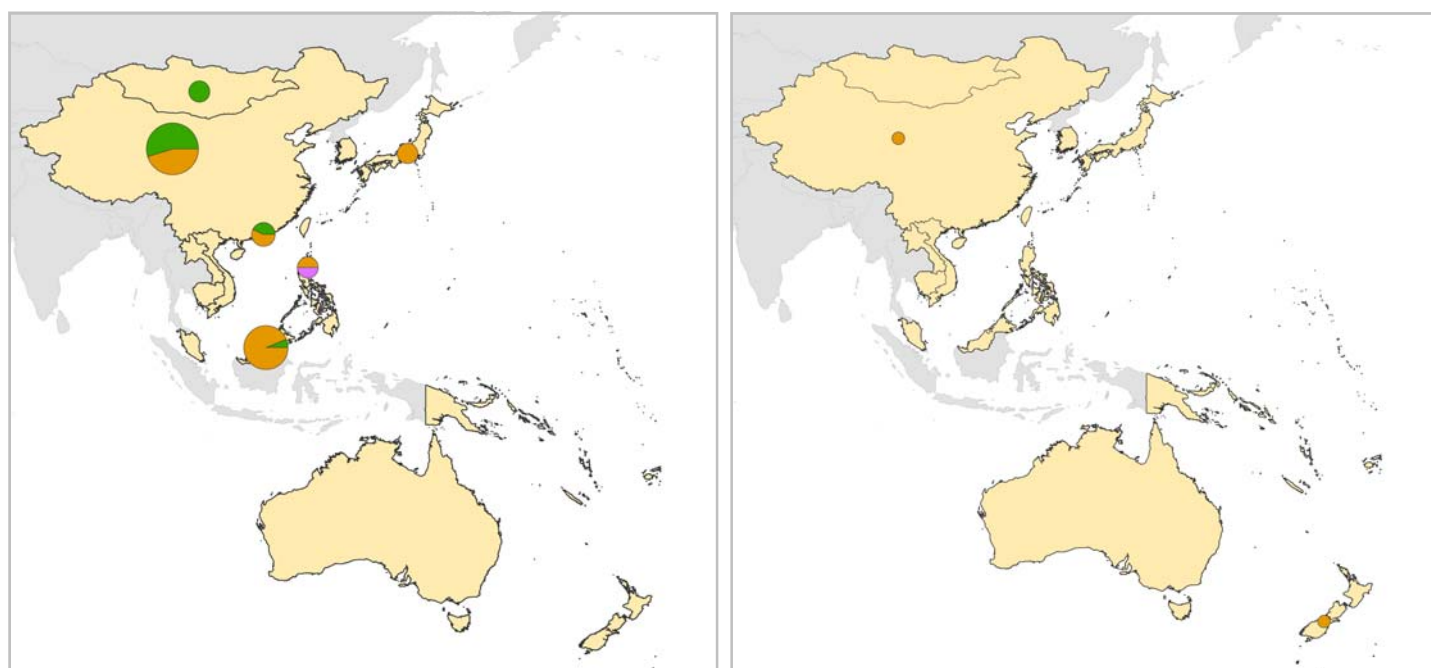
Table 5. Measles genotype distribution of cases with onset in 2013 and 2014, WHO Western Pacific Region

Country	2013				2014			
	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
Australia	B3(1), D9(3), H1(1)	B3(3), D9(2)	B3(5), D9(10), H1(2), G3(5)	B3(5), D9(6), H1(3), G3(18)	B3 (63), D8(2), D9(6)			
Brunei Darussalam								
Cambodia								
China	H1 (112)	D8(28), D9(10), H1(1253)	D8(15), D9(9), H1(585)	B3(3), D8(8), D9(22), H1(235)	H1(134)			
Hong Kong (China)	H1(4)	D9(1), H1(5)	B3(2), D9(1), H1(4)	B3(7), D9(2), H1(3)	B3(2), D9(1), H1(4)			
Macao (China)		H1(1)	H1(2)					
Japan	B3(2), D8(6), D9(2), H1(3)	B3(1), D8(3), D9(1), H1(2)	B3(11), D8(5), D9(1)	B3(8), D9(1)	B3(65), D8(4), D9(1)			
Lao People's Democratic Republic	H1(10)							
Malaysia	D8(1), D9(5)	D8(2)	D8(4)					
Mongolia								
New Zealand		D8(1)		B3(1)	B3(16), D8(1)			
Papua New Guinea				D9(1)				
Philippines		B3(13)	B3(17)					
Republic of Korea	B3(3)	B3(41)	B3(17)	B3(10), D9 (2)	B3(4)			
Singapore	D8(1)	B3(3), H1(3)	D9(7)	B3(3), D8(2), D9(2), G3(10)	B3(22), D8(1), D9(7), G3(2)			
Viet Nam		H1(7)	H1(4)	H1(3), D8(1)				
Pacific island countries and areas								

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

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



* Size of the pie chart is proportional to the number of genotypes reported by the country



Table 6. Rubella genotype distribution of cases with onset in 2013 and 2014, WHO Western Pacific Region

Country	2013				2014			
	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
Australia								
Brunei Darussalam								
Cambodia								
China	1E(21), 2B(7)	1E(62), 2B(22)	1E(3)		2B(1)			
Hong Kong (China)	1E(1), 2B(2)	1E(2), 2B(2)						
Macao (China)								
Japan	2B(1)	2B(5)						
Lao People's Democratic Republic								
Malaysia	1E(3), 2B(25)	2B(15)	2B(6)					
Mongolia		1E(2)						
New Zealand					2B(1)			
Papua New Guinea								
Philippines	2B(1)	1j(2)	2B(1)					
Republic of Korea								
Singapore								
Viet Nam								
Pacific island countries and areas								

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

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 7A. Completeness and timeliness of epidemiologic reporting, WHO Western Pacific Region, 2012–2014

Country	2012		2013		2014 ¹			
	Completeness	Timeliness	Completeness	Timeliness	Jan	Feb	Completeness ²	Timeliness ³
					10 Feb	10 Mar		
Australia	100%	100%	100%	100%	11 Feb	07 Mar	100%	50%
Brunei Darussalam	100%	100%	100%	100%	06 Feb	08 Mar	100%	100%
Cambodia	100%	92%	100%	100%	10 Feb	10 Mar	100%	100%
China	100%	83%	100%	83%	14 Feb	19 Mar	100%	50%
Hong Kong (China)	100%	100%	100%	100%	10 Feb	07 Mar	100%	100%
Macao (China)	100%	100%	100%	100%	06 Feb	05 Mar	100%	100%
Japan	100%	100%	100%	83%	11 Feb	12 Mar	100%	0%
Lao People's Democratic Republic	100%	75%	100%	100%	10 Feb	10 Mar	100%	100%
Malaysia	100%	92%	100%	100%	04 Feb	03 Mar	100%	100%
Mongolia	100%	100%	100%	100%	10 Feb	07 Mar	100%	100%
New Zealand	100%	83%	100%	92%	04 Feb	06 Mar	100%	100%
Papua New Guinea	83%	33%	100%	92%	10 Feb	10 Mar	100%	100%
Philippines	100%	100%	100%	100%	09 Feb	08 Mar	100%	100%
Republic of Korea	100%	100%	100%	100%	06 Feb	10 Mar	100%	100%
Singapore	100%	100%	100%	100%	10 Feb	10 Mar	100%	100%
Viet Nam	100%	92%	100%	100%	10 Feb	10 Mar	100%	100%
Pacific island countries and areas	100%	100%	100%	100%	03 Feb	04 Mar	100%	100%
Completeness	99%		100%		100%	100%	100%	
Timeliness		92%		97%	88%	88%		88%

¹ National measles surveillance monthly reports from February 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 7B. Completeness and timeliness of laboratory reporting, WHO Western Pacific Region, 2012–2014

Country	2012		2013		2014 ¹			
	Completeness	Timeliness	Completeness	Timeliness	Jan	Feb	Completeness ³	Timeliness ⁴
					10 Feb	10 Mar		
Australia	100%	100%	100%	100%	04 Feb	05 Mar	100%	100%
Brunei Darussalam			100%	78%	04 Feb	04 Mar	100%	100%
Cambodia	100%	100%	100%	100%	10 Feb	10 Mar	100%	100%
China	17%	17%	100%	100%	07 Feb	07 Mar	100%	100%
Hong Kong (China)	100%	100%	100%	100%	07 Feb	08 Mar	100%	100%
Macao (China)	100%	100%	100%	100%	09 Feb	05 Mar	100%	100%
Japan	100%	100%	100%	100%	12 Feb	12 Mar	100%	0%
Lao People's Democratic Republic	100%	92%	92%	92%	08 Feb	10 Mar	100%	100%
Malaysia	100%	58%	100%	100%	10 Feb	10 Mar	100%	100%
Mongolia	100%	100%	100%	100%	05 Feb	05 Mar	100%	100%
New Zealand	100%	100%	100%	100%	04 Feb	06 Mar	100%	100%
Papua New Guinea	92%	50%	83%	83%	17 Feb	05 Mar	100%	50%
Philippines	100%	92%	100%	100%	07 Feb	11 Mar	100%	50%
Republic of Korea	100%	100%	100%	100%	07 Feb	10 Mar	100%	100%
Singapore	100%	100%	100%	100%	10 Feb	10 Mar	100%	100%
Viet Nam (central)						10 Mar	100%	100%
Viet Nam (highlands)						10 Mar	100%	100%
Viet Nam (northern)	92%	83%	100%	50%	11 Feb	10 Mar	100%	0%
Viet Nam (southern)	83%	83%	100%	67%	10 Feb	10 Mar	100%	50%
Fiji	100%	100%	100%	100%	03 Feb	04 Mar	100%	100%
Completeness	93%		99%		100%	100%	100%	
Timeliness		87%		92%	83%	90%		87%

¹ National measles laboratory monthly reports from February 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
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World Health Organization**

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