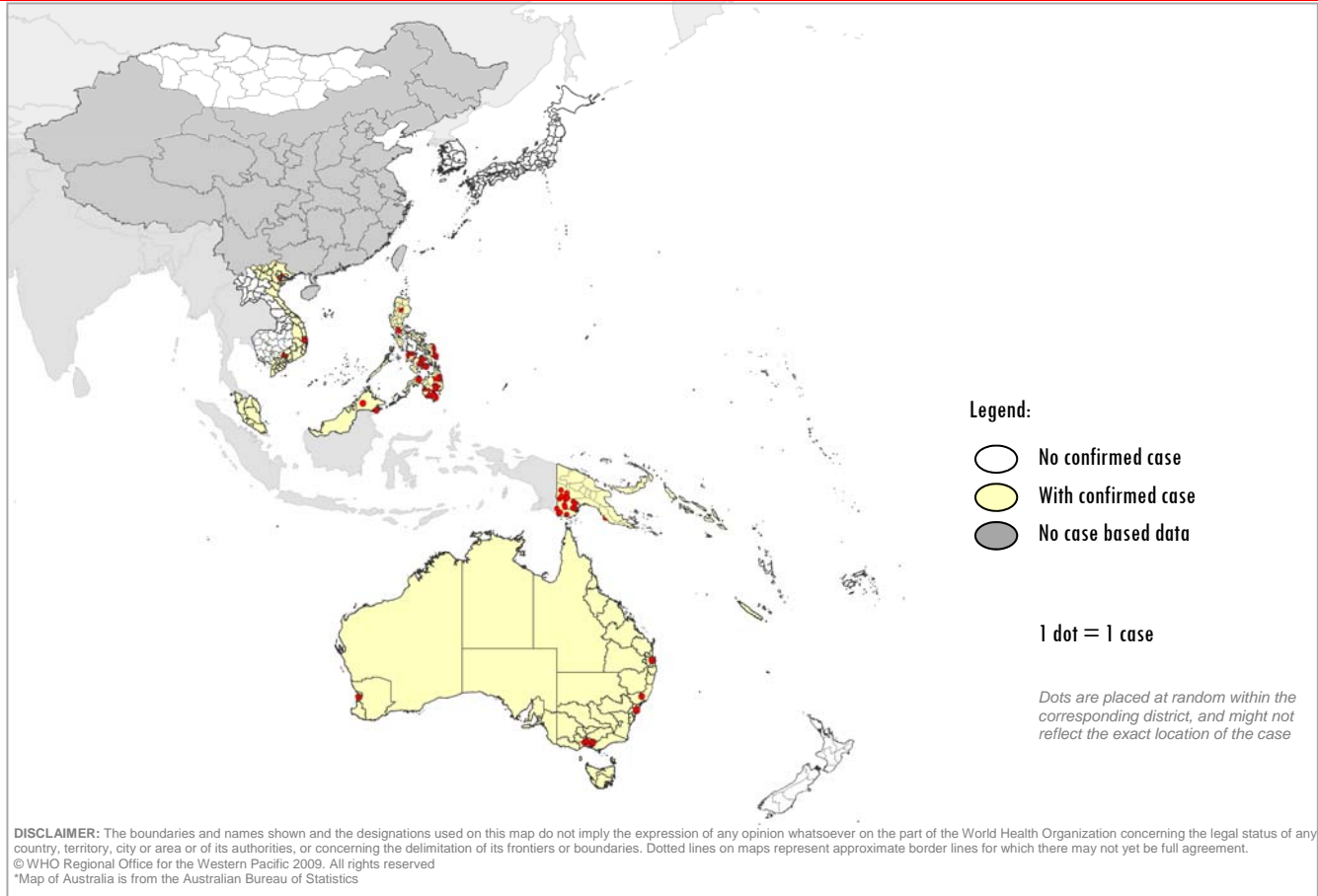


MEASLES-RUBELLA

Figure 1. Distribution of confirmed measles cases with rash onset 1–31 January 2015, WHO Western Pacific Region



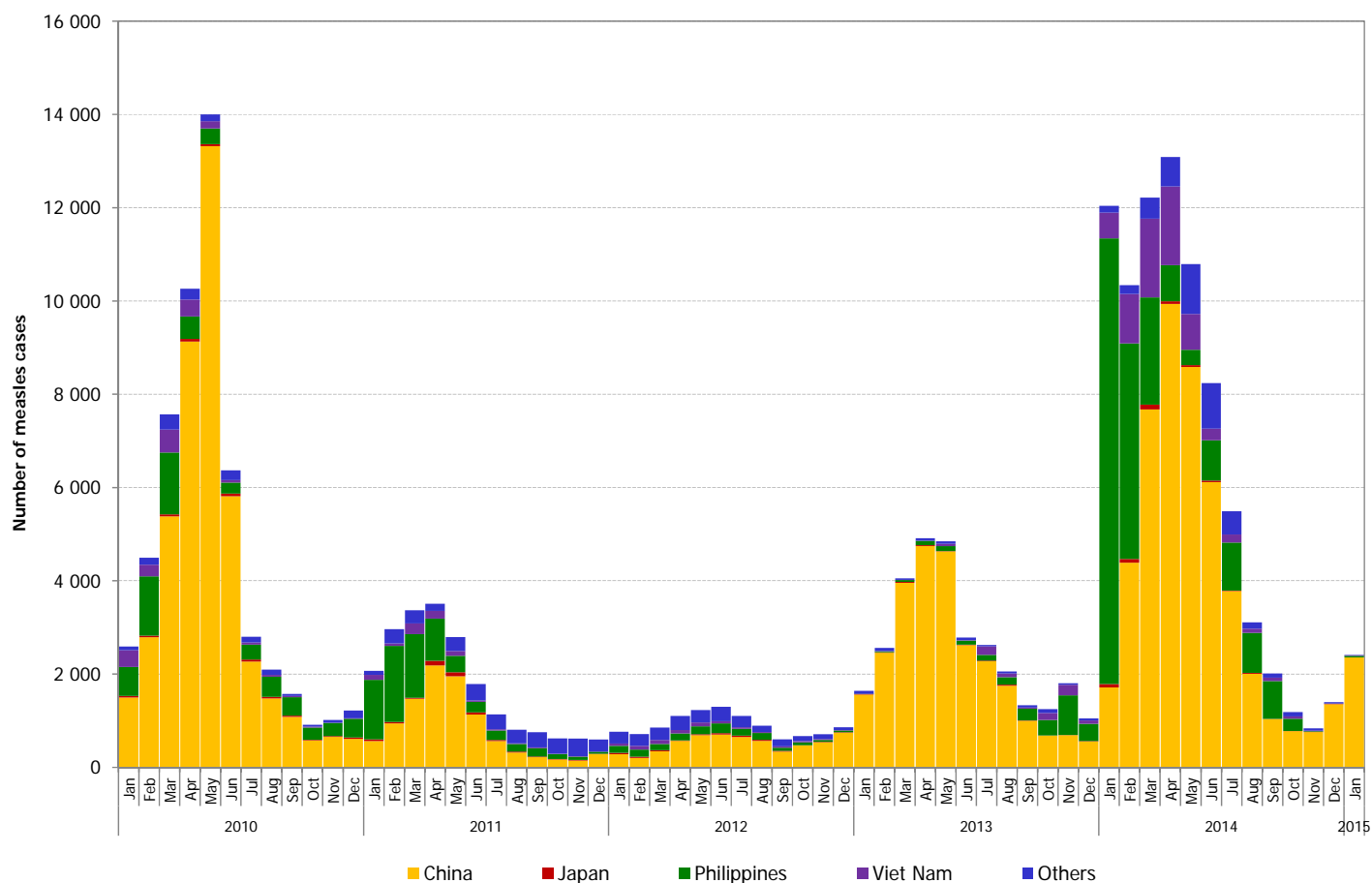
Source: Measles and rubella monthly country reports to the Western Pacific Regional Office by 20 February 2015

Table 1. Confirmed measles cases by month of onset, February 2014 – January 2015, WHO Western Pacific Region

Country	2014											2015
	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
Australia	61	36	15	23	34	32	23	2	17	5	14	10
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	4387	7675	9936	8587	6113	3779	2007	1033	778	755	1356	2359
China, Hong Kong SAR	8	7	3	5	4	7	3	3	1	0	0	0
China, Macao SAR	0	0	0	0	1	0	0	0	0	0	0	0
Japan	78	102	60	37	38	12	19	5	2	6	2	0
Lao People's Democratic Republic	1	0	0	4	0	0	0	28	36	1	0	0
Malaysia	5	67	13	19	18	20	18	18	22	7	4	2
Mongolia	0	0	0	0	0	0	0	0	0	0	0	0
New Zealand	43	36	12	16	98	31	5	0	1	3	0	0
Papua New Guinea	18	231	497	777	640	259	65	29	10	35	10	18
Philippines	4624	2302	773	330	861	1031	857	811	263	16	3	33
Republic of Korea	29	59	70	204	44	25	3	2	1	0	0	0
Singapore	28	16	18	10	6	12	9	0	2	0	2	0
Viet Nam	1059	1684	1687	767	252	170	93	77	50	9	9	8
Pacific island countries and areas	0	3	3	12	128	114	9	3	2	0	0	0
Western Pacific Region	10 341	12 218	13 087	10791	8237	5492	3111	2011	1185	837	1400	2430

Source: Case based and aggregate data reports to the Western Pacific Regional Office by 20 February 2015

Figure 2. Measles cases by month of onset, WHO Western Pacific Region, 2010–2015¹



Source: Measles and rubella monthly country reports to WHO by 20 February 2015
¹ Includes laboratory confirmed, epi-linked and clinically confirmed cases for 2010–2012

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

Countries and areas	Year verified	2014					2015				
		No. of confirmed cases	Source of infection				No. of confirmed cases	Source of infection			
			Imported	Import-related	Unknown	Endemic		Imported	Import-related	Unknown	Endemic
Australia	2013	340	132	101	93	0	10	3	0	7	0
Brunei Darussalam	-	0	-	-	-	-	0	-	-	-	-
Cambodia	-	0	-	-	-	-	0	-	-	-	-
China	-	48 123	0	0	48 123	0	2 359	0	0	2 359	0
China, Hong Kong SAR	-	46	18	3	0	25	0	-	-	-	-
China, Macao SAR	2013	1	1	0	0	0	0	-	-	-	-
Japan	-	434	0	0	434	0	0	-	-	-	-
Lao People's Democratic Republic	-	70	0	0	70	0	0	-	-	-	-
Malaysia	-	214	66	0	52	96	2	1	0	1	0
Mongolia	2013	0	-	-	-	-	0	-	-	-	-
New Zealand	-	263	0	0	263	0	0	-	-	-	-
Papua New Guinea	-	2 576	0	0	2 576	0	18	0	0	18	0
Philippines	-	21 420	0	0	36	0	36	0	0	36	0
Republic of Korea	2013	442	21	407	14	0	0	-	-	-	-
Singapore	-	134	37	0	67	30	0	-	-	-	-
Viet Nam	-	6 498	0	0	6 498	0	8	0	0	8	0
Pacific island countries and areas	-	268	0	0	268	0	0	-	-	-	-
Total	-	80 829	275	511	58 494	151	2 433	4	0	2 429	0

Source: Measles and rubella monthly country reports to WHO by 20 February 2015

Table 3. Measles case classification and incidence by country and area, WHO Western Pacific Region, 2011–2015 ¹

Country	2011		2012		2013		2014		2015								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	Measles incidence per 1 million pop.	Total confirmed	Measles incidence per 1 million pop.	Population (in millions) ³	Suspected measles cases	Confirmed measles cases			Annualized measles incidence per 1 million pop.	Compatible cases	Discarded cases ⁵		Pending classification	Deaths due to measles
											Lab	Epi-linked	Confirmed						
Australia	192	8.5	199	8.7	154	6.6	340	14.5	22.6	NA ⁴	9	1	10	5.3	0	0	0	0	27-Jan-15
Brunei Darussalam	4	9.9	1	2.4	0	0.0	0	0.0	0.4	4	0	0	0	0.0	0	4	0	0	24-Jul-12
Cambodia	722	50.5	0	0.0	0	0.0	0	0.0	16.4	22	0	0	0	0.0	0	12	10	0	15-Nov-11
China	9 943	7.4	6 183	4.6	26 912	19.8	48 123	35.3	1 396.0	7 866	2 343	16	2 359	20.3	357	3 934	1 216	5	31-Jan-15
China, Hong Kong SAR	12	1.7	8	1.1	34	4.7	46	6.3	7.4	11	0	0	0	0.0	0	11	0	0	3-Oct-14
China, Macao SAR	1	1.8	1	1.8	3	5.2	1	1.7	0.6	0	0	0	0	0.0	0	0	0	0	3-Jun-14
Japan	411	3.2	228	1.8	141	1.1	434	3.4	125.8	18	0	0	0	0.0	1	17	0	0	18-Dec-14
Lao People's Democratic Republic	113	18.0	36	5.6	68	10.5	70	10.7	7.0	16	0	0	0	0.0	0	6	10	0	19-Nov-15
Malaysia	1 603	54.4	1 868	63.7	177	5.9	214	7.1	30.0	218	2	0	2	0.8	13	28	174	0	2-Jan-15
Mongolia	0	0.0	0	0.0	0	0.0	0	0.0	2.9	6	0	0	0	0.0	0	6	0	0	19-Jun-10
New Zealand	599	135.7	55	12.3	9	2.0	263	57.7	4.5	1	0	0	0	0.0	0	0	0	0	18-Nov-14
Papua New Guinea	0	0.0	0	0.0	7	1.0	2 576	344.1	7.7	33	18	0	18	28.1	0	15	0	0	19-Jan-15
Philippines	6 555	69.1	1 536	15.9	3 777	38.5	21 420	214.7	101.7	201	33	0	33	3.9	72	0	61	0	25-Jan-15
Republic of Korea	43	0.9	2	0.0	107	2.2	442	9.0	49.2	37	0	0	0	0.0	0	33	4	0	12-Oct-14
Singapore	143	27.6	40	7.6	56	10.6	134	25.1	5.1	6	0	0	0	0.0	0	5	0	0	22-Dec-14
Viet Nam	745	8.4	637	5.9	895	9.9	6 498	71.0	93.6	185	8	0	8	1.0	1	86	87	0	24-Jan-15
Pacific island countries and areas ⁶	2	1.0	0	0.0	0	0.0	268	81.9	3.3	10	0	0	0	0.0	0	10	0	0	10-Oct-14
Western Pacific Region	21 088	11.7	10 794	5.9	32 340	17.7	80 829	44.0	1 874.1	8 634	2 413	17	2 430	15.6	444	4 167	1 562	5	

¹ Includes all cases reported to the Western Pacific Regional Office by 20 February 2015.

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 4. Measles surveillance performance indicators by country and area, WHO Western Pacific Region, 2014–2015 ¹

Country	2014 ¹				2015 ¹			
	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	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	3.5	100.0%	93.8%	100.0%	10.8	100.0%	100.0%	100.0%
Cambodia	4.3	83.3%	68.9%	99.4%	0.9	16.7%	81.8%	100.0%
China	4.3	71.0%	91.0%	87.6%	3.4	35.5%	83.9%	74.4%
China, Hong Kong SAR	2.1	100.0%	100.0%	93.7%	1.8	0.0%	100.0%	100.0%
China, Macao SAR	2.7	100.0%	100.0%	100.0%	0.0	0.0%	Not applicable	Not applicable
Japan	0.5	0.0%	Insufficient data	Insufficient data	0.2	0.0%	Insufficient data	Insufficient data
Lao People's Democratic Republic	4.1	58.8%	74.5%	74.9%	1.0	11.8%	43.8%	43.8%
Malaysia	12.4	93.8%	73.6%	91.5%	1.1	25.0%	49.5%	72.0%
Mongolia	4.7	31.8%	100.0%	100.0%	2.5	4.5%	100.0%	100.0%
New Zealand	1.0	Insufficient data	Insufficient data	Insufficient data	0.0	Insufficient data	Insufficient data	Insufficient data
Papua New Guinea	27.4	75.0%	0.0%	63.8%	2.3	10.0%	9.1%	81.8%
Philippines	3.3	58.8%	52.5%	82.0%	0.0	0.0%	50.7%	62.7%
Republic of Korea	2.4	43.8%	95.6%	63.3%	0.8	6.3%	83.8%	81.1%
Singapore	1.6	0.0%	82.8%	25.4%	1.2	0.0%	83.3%	16.7%
Viet Nam	3.2	40.6%	43.5%	82.0%	1.1	4.7%	4.9%	9.2%
Pacific island countries and areas	3.8	Insufficient data	Insufficient data	Insufficient data	3.7	Insufficient data	0.0%	100.0%
Western Pacific Region	4.1	54.9%	20.3%	84.9%	2.7	10.5%	80.2%	72.7%

¹ Includes all cases reported to the Western Pacific Regional Office by 20 February 2015.

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, 2014–2015 ¹

Country	2014		2015 ¹									
	Total number of confirmed cases	Annualized rubella incidence per 1 million pop.	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	-	No data	22.61	No data	-	-	-	No data	-	-	-	-
Brunei Darussalam	0	0.0	0.44	4	0	0	0	0.0	0	4	0	-
Cambodia	30	2.0	16.36	22	0	0	0	0.0	0	12	10	-
China	11 887	8.7	1 396.00	7 866	-	-	785	6.7	0	0	0	-
China, Hong Kong SAR	1	0.1	7.40	1	0	0	0	0.0	0	0	1	-
China, Macao SAR	0	0.0	0.57	0	0	0	0	0.0	0	0	0	-
Japan	-	No data	125.79	No data	-	-	-	No data	-	-	-	-
Lao People's Democratic Republic	18	2.8	7.03	16	0	0	0	0.0	0	6	9	-
Malaysia	226	7.5	30.04	218	2	0	2	0.8	0	42	174	-
Mongolia	0	0.0	2.85	6	0	0	0	0.0	0	6	0	-
New Zealand	-	No data	4.49	No data	-	-	-	No data	-	-	-	-
Papua New Guinea	-	No data	7.68	No data	-	-	-	No data	-	-	-	-
Philippines	237	2.4	101.73	201	3	0	3	0.4	0	0	0	-
Republic of Korea	2	0.0	49.15	37	1	0	1	0.2	0	32	4	-
Singapore	0	0.0	5.06	1	0	0	0	0.0	0	1	0	-
Viet Nam	33	0.4	93.65	179	57	0	57	7.3	0	31	91	-
Pacific island countries and areas ⁴	4	1.2	3.26	10	0	0	0	0.0	0	10	0	-
Western Pacific Region	12 438	6.8	1 874.11	8 561	63	0	848	5.4	0	144	289	0

¹ Includes all cases reported to the Western Pacific Regional Office by 20 February 2015.

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 testing, WHO Western Pacific Region, 2014¹

Country	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		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	
					Samples tested for measles IgM	Measles IgM (+)	Measles IgM equiv	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. of samples tested	No. of isolates	No. of samples tested	No. (+)	No.	No.	%	No.						
Australia	VIDRL	312	312	226	66	42	63.6	3	0	-	100.0	100.0	0	0	258	236	207	24	0	0.0	0
Brunei Darussalam	DLS	51	51	51	51	1	2.0	0	0	-	71.2	98.1	0	0	0	0	1	52	2	3.8	0
Cambodia	NIPH	635	635	635	577	0	0.0	0	58	0	98.6	100.0	0	0	0	0	0	604	31	5.1	0
China ³	CCDC																				
China, Hong Kong SAR	PHLC	791	791	665	698	34	4.9	21	0	-	93.6	98.9	39	28	204	58	49	645	8	1.2	5
China, Macao SAR	PHLC	58	58	58	58	1	1.7	0	0	-	100.0	100.0	0	0	1	1	1	57	0	0.0	0
Japan	NIID	2 396	854	854	362	172	47.5	15	0	-	No data	No data	9	9	780	365	190	11	2	18.2	0
Lao People's Democratic Republic	NCLE	370	370	369	370	74	20.0	9	0	-	92.6	99.7	0	0	0	0	74	366	11	3.0	28
Malaysia	NPHL	5 789	5 789	5 134	4 751	257	5.4	100	0	-	67.5	90.2	997	6	0	0	261	4 434	220	5.0	87
Mongolia	NCCD	138	138	137	137	0	0.0	0	0	-	99.3	99.3	0	0	0	0	0	137	1	0.7	1
New Zealand	CHL	787	787	704	249	45	18.1	5	0	-	98.6	99.0	15	8	519	162	181	103	4	3.9	1
Papua New Guinea	CPHL	4 595	4 595	4 591	4 583	2 270	49.5	316	0	-	67.7	88.7	0	0	37	32	2 266	2 270	89	3.9	93
Philippines	RITM	41 235	19 297	19 151	18 766	12 736	67.9	665	364	187	0.3	1.3	1 247	444	830	760	13 431	5 870	235	4.0	104
Republic of Korea	KCDC	2 609	2 609	1 873	1 324	270	20.4	115	0	-	75.1	89.7	332	231	1 440	328	469	770	28	3.6	39
Singapore	SGH	675	675	619	222	41	18.5	13	0	-	93.6	96.9	170	6	0	0	47	278	9	3.2	4
Viet Nam (central)	Nha Trang	1 800	1 800	1 800	1 736	999	57.5	30	0	-	72.6	90.5	0	0	99	50	1 023	780	6	0.8	3
Viet Nam (highland)	IHE	483	483	483	482	266	55.2	3	0	-	35.6	51.5	0	0	0	0	266	425	1	0.2	0
Viet Nam (northern)	NIHE	4 804	4 804	4 763	4 650	2 636	56.7	261	0	-	61.6	84.6	130	5	131	16	2 648	2 196	18	0.8	21
Viet Nam (southern)	PI	12 684	12 684	11 444	11 342	6 917	61.0	142	0	-	12.0	18.4	1 342	134	1 343	16	6 924	4 637	20	0.4	11
Fiji	FFCDC	131	131	131	112	0	0.0	0	19	1	83.3	95.0	0	0	0	0	1	128	3	2.3	0
Vanuatu	FFCDC	13	13	13	13	4	30.8	2	0	-	91.7	100.0	0	0	0	0	4	13	1	7.7	3
Total		80 356	56 876	53 701	50 549	26 765	52.9	1 700	441	188	31.3	40.7	4 281	871	5 642	2 024	28 043	23 800	689	2.9	400

¹ National measles laboratory monthly reports received in the Western Pacific Regional Office by 20 January 2015

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 testing, WHO Western Pacific Region, 2015¹

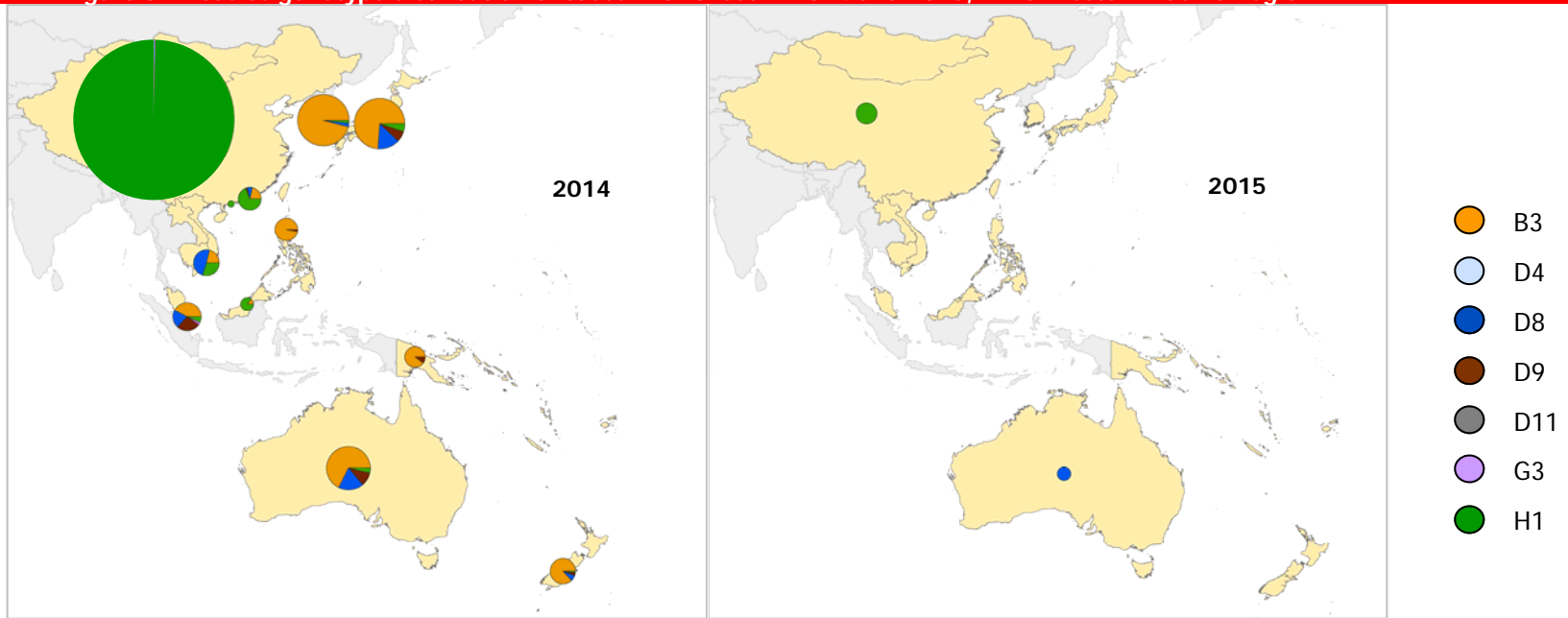
Country	Laboratory	Measles and rubella			Measles													Rubella			
					Serology						Virus detection							Serum and blood (includes DBS)			
		Total number of samples received	Total number of samples tested	Total number of cases tested	Serum			Blood		Timeliness of reults		Measles Virus isolation/detection (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	
					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. of samples tested	No. of isolates	No. of samples tested	No. (+)	No.	No.	%	No.						
Australia	VIDRL	5	5	9	4	3	75.0	0	0	-	100.0	100.0	0	-	12	12	9	0	-	-	-
Brunei Darussalam	DLS	5	5	5	5	0	0.0	0	0	-	100.0	100.0	0	-	0	-	0	5	0	0.0	0
Cambodia	NIPH	28	28	28	20	0	0.0	20	8	0	100.0	100.0	0	-	0	-	0	28	1	3.6	0
China ³	CCDC																				
China, Hong Kong SAR	PHLC	32	32	32	32	1	3.1	0	0	-	100.0	100.0	0	-	4	0	1	31	2	6.5	0
China, Macao SAR	PHLC	3	3	3	3	0	0.0	0	0	-	100.0	100.0	0	-	0	-	0	3	0	0.0	0
Japan	NIID	19	14	6	8	0	0.0	0	0	-	No data	No data	0	-	5	-	0	0	-	-	-
Lao People's Democratic Republic	NCLE	6	6	6	6	0	0.0	0	0	-	100.0	100.0	0	-	0	-	0	6	0	0.0	0
Malaysia	NPHL	300	284	296	261	20	7.7	3	0	-	24.8	30.4	0	-	0	-	20	238	8	3.4	5
Mongolia	NCCD	6	6	6	6	0	0.0	0	0	-	100.0	100.0	0	-	0	-	0	6	0	0.0	0
New Zealand	CHL	9	9	14	7	0	0.0	0	0	-	100.0	100.0	0	-	5	0	0	7	0	0.0	0
Papua New Guinea	CPHL	54	54	54	54	25	46.3	6	0	-	53.7	98.1	0	-	0	-	25	0	-	-	-
Philippines	RITM	319	319	312	295	154	52.2	9	9	1	53.9	97.0	0	-	0	0	154	80	5	6.3	1
Republic of Korea	KCDC	88	88	63	54	1	1.9	2	0	-	100.0	100.0	0	-	35	0	1	32	1	3.1	2
Singapore	SGH	41	41	39	9	0	0.0	0	0	-	100.0	100.0	0	-	0	0	0	20	0	0.0	0
Viet Nam (central)	Nha Trang	13	13	13	13	1	7.7	0	0	-	83.3	100.0	0	-	0	-	1	13	1	7.7	2
Viet Nam (highland)	IHE	2	2	2	2	1	50.0	0	0	-	100.0	100.0	0	-	0	-	1	2	0	0.0	2
Viet Nam (northern)	NIHE	1	1	1	1	0	0.0	0	0	-	100.0	100.0	0	-	0	-	0	1	0	0.0	0
Viet Nam (southern)	PI	189	189	189	189	22	11.6	0	0	-	94.4	98.9	0	-	0	-	22	182	88	48.4	24
Fiji	FCCDC	10	10	10	10	0	0.0	0	0	-	100.0	100.0	0	-	0	-	0	10	0	0.0	0
Total		1 130	1 109	1 088	979	228	23.3	40	17	1	60.9	79.4	0	0	61	12	234	664	106	16.0	36

¹ National measles laboratory monthly reports received in the Western Pacific Regional Office by 20 February 2015

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

Figure 3. Measles genotype distribution of cases with 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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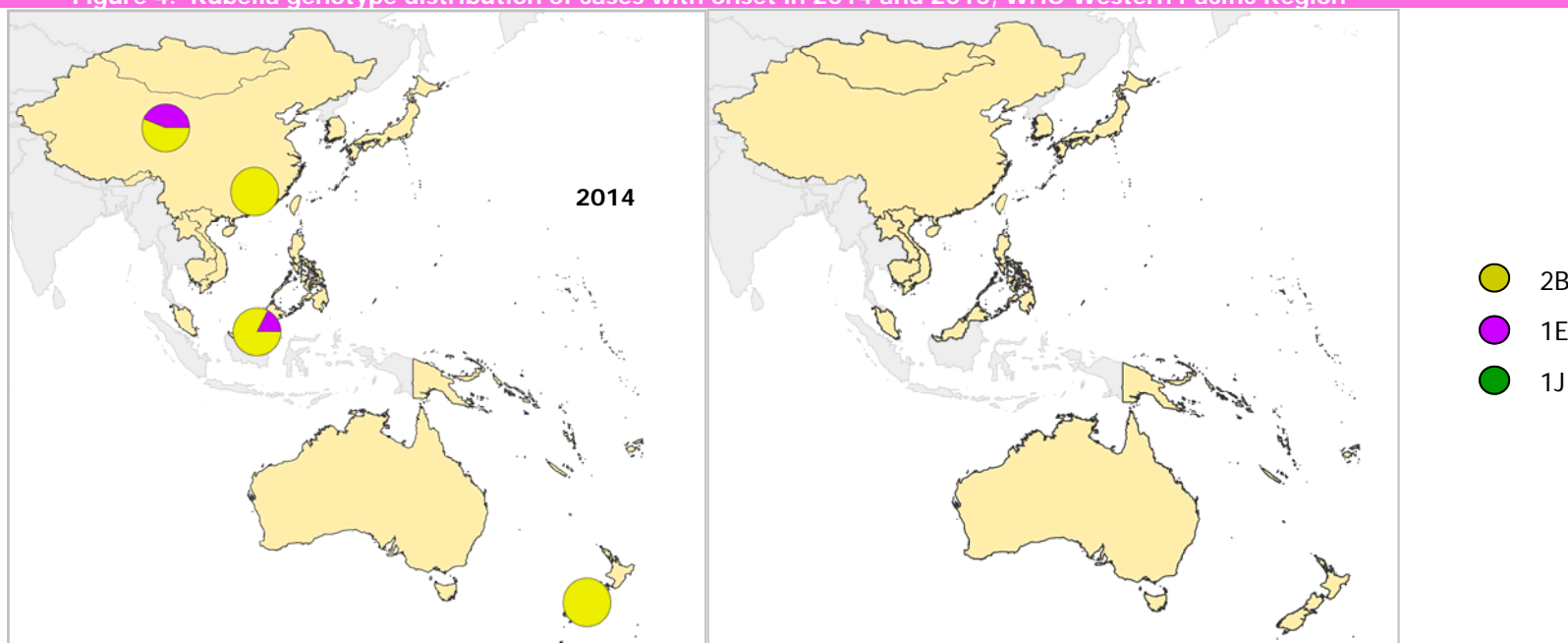
* Size of the pie chart is proportional to the number of genotypes reported by the country

Table 7. Measles genotype distribution of cases with onset in February 2014 to January 2015, WHO Western Pacific Region

Country	2014														2015																																				
	Feb		Mar		Apr		May		Jun		Jul		Aug		Sep		Oct		Nov		Dec		Jan																												
	B3	D8	D9	G3	H1	B3	D8	D9	H1	B3	D8	D9	G3	H1	B3	D8	D9	H1	B3	D8	D9	H1	B3	D8	D9	H1	B3	D8	D9	H1	B3	D8	D9	H1																	
Australia	40	5	1		1	16	4	1		2	1		1	2	10	3	5		14	7	1	1	9	4	1	3	2	9		1	1				2	2	4						8								
Brunei Darussalam																																																			
Cambodia																																																			
China	2		2		511	3	2		888	1		1		932	1	1		728		3		576			1		301				188				84				74				48				100				32
Hong Kong (China)	2		1		5	3	1		3	1				2		2		4				2					6				3				1																
Macao (China)																		1																																	
Japan	57	2	2		1	64	7	10	3	35	1	8		1	14	12		4		13		7	1	5				5	3										3				1								
Lao People's Democratic Republic																																																			
Malaysia									5					1																																					
Mongolia																																																			
New Zealand	8	1			1	5		2		6					6				6				3	1							1								1												
Papua New Guinea	1		2			10				12		1			4																																				
Philippines	19					6																																													
Republic of Korea	10					27	1			60	2			2	114	4			63			2	29			2	2				1				1																
Singapore	12	2	4	1		3	2	8		1	4	1		2		2		1	1								4		1		1	1	1	3	1																
Viet Nam		2			1	12	11		1																																										
Pacific island countries and areas ⁴																																																			

Sources: National and regional measles reference laboratory monthly reports from January 2015 and the Measles Nucleotide Sequence online database (MeaNS).

Figure 4. Rubella genotype distribution of cases with 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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* Size of the pie chart is proportional to the number of genotypes reported by the country

Table 8. Rubella genotype distribution of cases with onset in February 2014 to January 2015, WHO Western Pacific Region

Country	2014												2015																							
	Feb			Mar			Apr			May			Jun			Jul			Aug			Sep			Oct			Nov			Dec			Jan		
	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		2		10	17		15	10		24	7																									
Hong Kong (China)									1				1																							
Macao (China)																																				
Japan																																				
Lao People's Democratic Republic																																				
Malaysia		6	1		5	1																														
Mongolia																																				
New Zealand											1																									
Papua New Guinea																																				
Philippines																																				
Republic of Korea																																				
Singapore																																				
Viet Nam																																				
Pacific island countries and areas ⁴																																				

Sources: National and regional measles reference laboratory monthly reports from January 2015 and the Measles Nucleotide Sequence online database (MeaNS).

Table 9A. Completeness and timeliness of epidemiologic reporting, WHO Western Pacific Region, 2013–2015

Country	2013		2014		2015 ¹		Completeness ²	Timeliness ³
	Completeness	Timeliness	Completeness	Timeliness	Jan			
					10 Feb			
Australia	100%	100%	100%	92%	09 Feb		100%	100%
Brunei Darussalam	100%	100%	100%	100%	07 Feb		100%	100%
Cambodia	100%	100%	100%	100%	10 Feb		100%	100%
China	100%	83%	100%	67%	25 Feb		100%	0%
China, Hong Kong SAR	100%	100%	100%	100%	10 Feb		100%	100%
China, Macao SAR	100%	100%	100%	100%	04 Feb		100%	100%
Japan	100%	83%	100%	17%	07 Feb		100%	100%
Lao People's Democratic Republic	100%	100%	100%	100%	10 Feb		100%	100%
Malaysia	100%	100%	100%	92%	09 Feb		100%	100%
Mongolia	100%	100%	100%	100%	10 Feb		100%	100%
New Zealand	100%	92%	100%	100%	03 Feb		100%	100%
Papua New Guinea	100%	92%	92%	58%	10 Feb		100%	100%
Philippines	100%	100%	100%	100%	06 Feb		100%	100%
Republic of Korea	100%	100%	100%	100%	04 Feb		100%	100%
Singapore	100%	100%	100%	92%	10 Feb		100%	100%
Viet Nam	100%	100%	100%	100%	10 Feb		100%	100%
Pacific island countries and areas	100%	100%	100%	100%	04 Feb		100%	100%
Completeness	100%		100%		100%		100%	
Timeliness		97%		90%	94%			94%

¹ National measles surveillance monthly reports from January 2015.

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, 2013–2015

Country	2013		2014		2015 ¹		
	Completeness	Timeliness	Completeness	Timeliness	Jan	Completeness ³	Timeliness ⁴
					10 Feb		
Australia	100%	100%	100%	100%	05 Feb	100%	100%
Brunei Darussalam	100%	78%	100%	100%	07 Feb	100%	100%
Cambodia	100%	100%	100%	100%	10 Feb	100%	100%
China	100%	100%	100%	100%	02 Feb	100%	100%
China, Hong Kong SAR	100%	100%	100%	100%	06 Feb	100%	100%
China, Macao SAR	100%	100%	100%	100%	04 Feb	100%	100%
Japan	100%	100%	100%	42%	07 Feb	100%	100%
Lao People's Democratic Republic	92%	92%	100%	100%	10 Feb	100%	100%
Malaysia	100%	100%	100%	83%	09 Feb	100%	100%
Mongolia	100%	100%	100%	100%	09 Feb	100%	100%
New Zealand	100%	100%	100%	100%	09 Feb	100%	100%
Papua New Guinea	83%	83%	100%	92%	11 Feb	100%	0%
Philippines	100%	100%	100%	92%	10 Feb	100%	100%
Republic of Korea	100%	100%	100%	100%	09 Feb	100%	100%
Singapore	100%	100%	100%	100%	09 Feb	100%	100%
Viet Nam (central)			82%	73%	11 Feb	100%	0%
Viet Nam (highlands)			91%	82%	11 Feb	100%	0%
Viet Nam (northern)	100%	50%	100%	83%	11 Feb	100%	0%
Viet Nam (southern)	100%	67%	100%	100%	09 Feb	100%	100%
Fiji	100%	100%	100%	100%	04 Feb	100%	100%
Completeness	99%		99%		100%	100%	
Timeliness		92%		92%	89%		80%

¹ National measles laboratory monthly reports from January 2015.

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