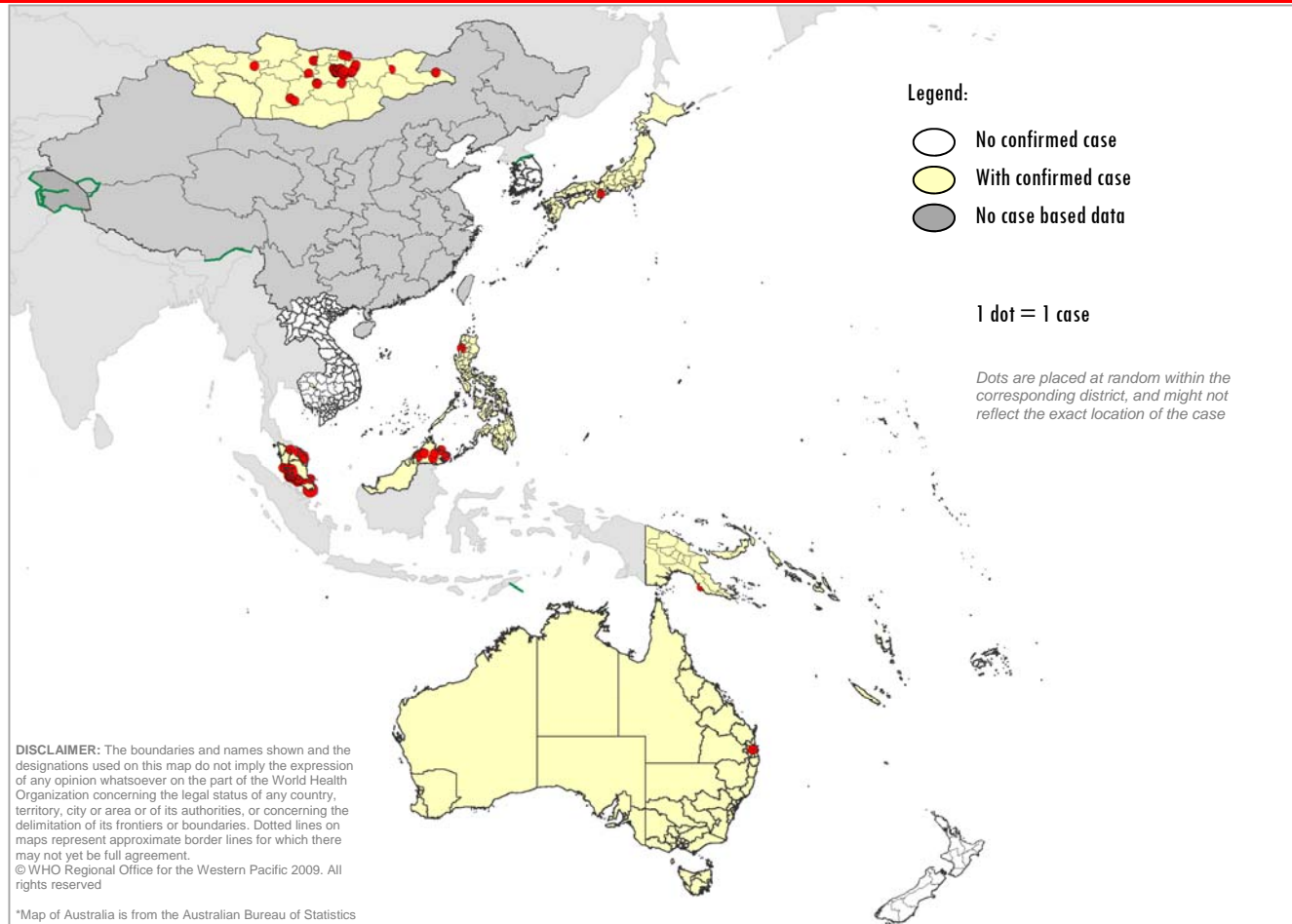


MEASLES-RUBELLA

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



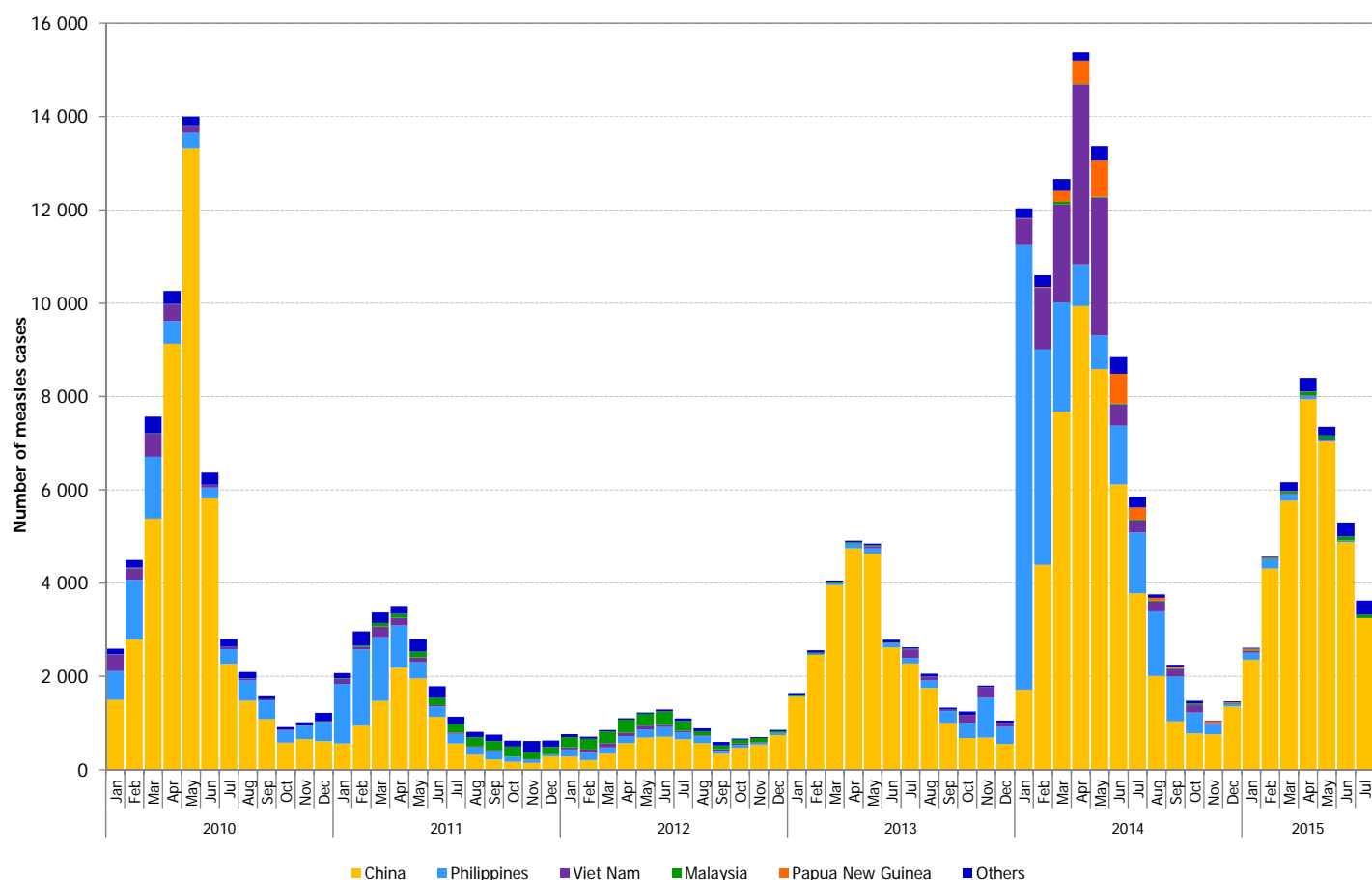
Source: Measles and rubella monthly country reports to the Western Pacific Regional Office by 20 August 2015

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

Country/area	2014					2015						
	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July
Australia	23	2	17	5	14	10	6	11	9	5	5	2
Brunei Darussalam	0	0	0	0	0	0	0	0	1	3	0	0
Cambodia	0	0	0	0	0	0	0	0	0	0	0	0
China	2007	1033	778	755	1356	2359	4312	5767	7937	7035	4882	3249
China, Hong Kong SAR	3	3	1	0	0	0	1	1	2	3	2	0
China, Macao SAR	0	0	0	0	0	0	0	0	0	0	0	0
Japan	19	5	2	6	2	1	2	3	11	2	3	1
Lao People's Democratic Republic	0	28	36	1	0	0	2	0	0	0	0	0
Malaysia	19	17	23	7	13	16	25	48	78	69	83	69
Mongolia	0	0	0	0	0	0	0	159	264	160	290	295
New Zealand	5	0	1	3	0	0	2	3	2	5	0	0
Papua New Guinea	64	29	10	37	21	34	4	7	2	0	0	1
Philippines	1386	957	448	204	45	150	191	140	65	44	27	1
Republic of Korea	3	2	1	0	0	0	0	4	1	0	1	0
Singapore	9	0	2	0	2	2	3	2	7	2	2	7
Viet Nam	210	170	155	38	10	38	15	12	20	17	5	0
Pacific island countries and areas	9	3	2	0	0	3	2	7	2	3	0	0
Western Pacific Region	3757	2249	1476	1056	1463	2613	4565	6164	8401	7226	5300	3625

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

Figure 2. Confirmed measles cases by month of onset, WHO Western Pacific Region, 2010–2015 as of 20 August 2015



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

¹ 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	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	2014	340	139	101	100	0	48	20	18	10	0
Brunei Darussalam	2015	0	-	-	-	-	4	1	3	0	0
Cambodia	2015	0	-	-	-	-	0	-	-	-	-
China	-	48 123	0	0	48 123	0	35 541	0	0	35 541	0
China, Hong Kong SAR	-	46	4	0	42	0	9	2	0	7	0
China, Macao SAR	2014	1	1	0	0	0	0	-	-	-	-
Japan	2015	434	0	0	434	0	23	9	4	10	0
Lao People's Democratic Republic	-	70	0	0	70	0	2	0	0	2	0
Malaysia	-	213	51	14	51	97	388	2	0	218	168
Mongolia	2014	0	-	-	-	-	1 168	0	1 167	1	0
New Zealand	-	263	0	0	263	0	12	0	0	12	0
Papua New Guinea	-	2 589	0	0	2 589	0	48	0	0	48	0
Philippines	-	23 708	0	0	23 708	0	618	0	0	618	0
Republic of Korea	2014	442	21	407	14	0	6	2	1	3	0
Singapore	-	134	37	0	67	30	25	6	0	19	0
Viet Nam	-	12 223	0	0	12 223	0	107	0	0	107	0
Pacific island countries and areas	-	268	0	0	268	0	17	0	0	17	0
Total	-	88 854	253	522	87 952	127	38 016	42	1 193	36 613	168

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

Table 3. Measles case classification and incidence by country and area, WHO Western Pacific Region, 2011–2015 as of 20 August 2015

Country/area	2011		2012		2013		2014		2015									Rash onset of last confirmed measles case	
	Total confirmed ¹	Measles incidence per 1 million pop.	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.	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	192	8.5	199	8.7	154	6.6	340	14.5	22.6	NA ⁴	0	0	0	47	1	48		0	20-Jul-15
Brunei Darussalam	4	9.9	1	2.4	0	0.0	0	0.0	0.4	19	0	15	0	4	0	4	15.5	0	16-May-15
Cambodia	722	50.5	0	0.0	0	0.0	0	0.0	16.4	258	6	252	0	0	0	0	0.0	0	15-Nov-11
China	9 943	7.4	6 183	4.6	26912	19.8	48 123	35.3	1396.0	86 777	1 219	48 573	1 444	35 391	150	35 541	43.6	23	31-Jul-15
China, Hong Kong SAR	12	1.7	8	1.1	34	4.7	46	6.3	7.4	88	0	73	6	9	0	9	2.1	0	6-Jun-15
China, Macao SAR	1	1.8	1	1.8	3	5.2	1	1.7	0.6	6	0	6	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	218	0	193	2	21	2	23	0.3	0	10-Jul-15
Lao People's Democratic Republic	113	18.0	36	5.6	68	10.5	70	10.7	7.0	433	236	195	0	2	0	2	0.5	0	1-Feb-15
Malaysia	1 603	54.4	1 868	63.7	177	5.9	213	7.0	30.0	2 404	417	1 588	11	386	2	388	22.1	0	25-Jul-15
Mongolia	0	0.0	0	0.0	0	0.0	0	0.0	2.9	19 471	153	991	17 159	910	258	1 168	701.4	0	31-Jul-15
New Zealand	599	135.7	55	12.3	9	2.0	263	57.7	4.5	20	2	6	0	11	1	12	4.6	0	28-May-15
Papua New Guinea	0	0.0	0	0.0	7	1.0	2 589	345.9	7.7	131	0	83	0	48	0	48	10.7	0	22-Jul-15
Philippines	6 555	69.1	1 536	15.9	3777	38.5	23 708	237.6	101.7	2 384	16	839	911	556	62	618	10.4	2	5-Jul-15
Republic of Korea	43	0.9	2	0.0	107	2.2	442	9.0	49.2	241	2	233	0	6	0	6	0.2	0	2-Jun-15
Singapore	143	27.6	40	7.6	56	10.6	134	25.1	5.1	63	0	35	3	25	0	25	8.5	0	19-Jul-15
Viet Nam	745	8.4	637	5.9	895	9.9	12 223	133.5	93.6	1 066	74	795	90	107	0	107	2.0	0	30-Jun-15
Pacific island countries and areas ⁶	2	1.0	0	0.0	0	0.0	268	81.9	3.3	161	3	141	0	17	0	17	8.9	0	29-Apr-15
Western Pacific Region	21 088	11.7	10 794	5.9	32 340	17.7	88 854	48.3	1874.1	113 740	2 128	54 018	19 626	37 540	476	38 016	34.8	25	

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 2015.

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.

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 as of 20 August 2015

Country/area	2014				2015			
	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	3.5	100.0%	93.8%	100.0%	5.8	100.0%	100.0%	94.7%
Cambodia	4.3	83.3%	68.9%	99.4%	2.6	54.2%	83.7%	98.8%
China	4.3	71.0%	91.0%	87.6%	6.0	87.1%	92.9%	85.3%
China, Hong Kong SAR	2.1	100.0%	99.0%	92.8%	1.7	0.0%	100.0%	97.7%
China, Macao SAR	2.7	100.0%	100.0%	100.0%	1.8	0.0%	100.0%	100.0%
Japan	0.5	0.0%	Insufficient data	Insufficient data	0.3	0.0%	Insufficient data	Insufficient data
Lao People's Democratic Republic	4.1	58.8%	74.5%	74.9%	4.8	41.2%	89.4%	89.4%
Malaysia	14.3	93.8%	73.2%	91.1%	9.1	93.8%	78.5%	91.1%
Mongolia	4.7	31.8%	100.0%	100.0%	59.5	77.3%	7.2%	10.2%
New Zealand	1.0	Insufficient data	Insufficient data	Insufficient data	0.0	Insufficient data	Insufficient data	Insufficient data
Papua New Guinea	27.6	75.0%	0.0%	63.5%	1.9	20.0%	49.6%	82.4%
Philippines	4.5	58.8%	83.6%	83.6%	1.4	23.5%	61.3%	68.9%
Republic of Korea	2.4	43.8%	95.6%	63.3%	0.8	100.0%	68.5%	73.9%
Singapore	1.6	0.0%	82.5%	25.3%	1.2	0.0%	90.5%	20.6%
Viet Nam	4.9	40.6%	41.0%	76.4%	1.5	9.4%	43.5%	74.6%
Pacific island countries and areas	3.8	Insufficient data	Insufficient data	Insufficient data	7.4	Insufficient data	0.0%	62.1%
Western Pacific Region	4.2	54.9%	28.2%	84.7%	4.9	39.7%	76.7%	72.2%

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, 2014–2015as of 20 August 2015

Country/area	2014		2015										
	Total confirmed	Annualized rubella incidence per 1 million pop.	Population (in millions) ¹	Investigated rubella cases	Pending classification	Discarded cases ³	Compatible cases	Confirmed rubella cases				Congenital rubella syndrome	
								Lab	Epi-linked	Total confirmed	Annualized rubella incidence per 1 million pop.		
Australia	-	-	22.61	-	-	-	-	-	-	-	-	-	-
Brunei Darussalam	0	0.0	0.44	19	0	19	0	0	0	0	0	0.0	-
Cambodia	30	2.0	16.36	252	0	249	0	3	0	3	0.3	-	
China	11 887	8.7	1 396.00	86 777	0	0	0	-	-	7 548	9.3	-	
China, Hong Kong SAR	1	0.1	7.40	10	1	0	3	6	0	6	1.4	-	
China, Macao SAR	0	0.0	0.57	6	0	4	0	2	0	2	6.0	-	
Japan	-	-	125.79	-	-	-	-	-	-	-	-	-	
Lao People's Democratic Republic	18	2.8	7.03	198	1	193	0	4	0	4	1.0	-	
Malaysia	226	7.5	30.04	2 426	417	1 986	0	20	3	23	1.3	-	
Mongolia	0	0.0	2.85	1 329	13	1 303	0	13	0	13	7.8	-	
New Zealand	-	-	4.49	-	-	-	-	-	-	-	-	-	
Papua New Guinea	-	-	7.68	-	-	-	-	-	-	-	-	-	
Philippines	343	3.4	101.73	2 384	16	2 261	0	107	0	107	1.8	-	
Republic of Korea	2	0.0	49.15	248	2	244	0	2	0	2	0.1	-	
Singapore	0	0.0	5.06	12	0	12	0	0	0	0	0.0	-	
Viet Nam	50	0.5	93.65	876	84	551	68	173	0	173	3.2	-	
Pacific island countries and areas ²	4	1.2	3.26	161	1	160	0	0	0	0	0.0	-	
Western Pacific Region	12 561	6.8	1 874.11	94 698	535	6 982	71	330	3	7 881	7.2	-	

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, 2014 as of 20 January 2015

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		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	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. received	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	-	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	-	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	604	31	5.1	0
China ³	CCDC	NA	105 219	105 167	105 219	45 751	43.5	-	-	-	81.0	-	-	7 863	0	-	-	-	-	-	-
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	PHL	58	58	58	58	1	1.7	0	0	-	100.0	100.0	0	-	1	1	1	57	0	0.0	0
Japan	NIID	2 396	854	854	362	172	47.5	15	0	-	-	-	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	-	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	-	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	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	-	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	-	47	278	9	3.2	4
Viet Nam (central)	PI	1 800	1 800	1 800	1 736	999	57.5	30	0	-	72.6	90.5	0	-	99	50	1 023	780	6	0.8	3
Viet Nam (highland)	NIHE	483	483	483	482	266	55.2	3	0	-	35.6	51.5	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	FCCDC	131	131	131	112	0	0.0	0	19	1	83.3	95.0	0	-	0	-	1	128	3	2.3	0
Vanuatu	FCCDC	13	13	13	13	4	30.8	2	0	-	91.7	100.0	0	-	0	-	4	13	1	7.7	3
Total		80 356	162 095	158 868	155 768	72 516	46.6	1 700	441	188	31.3	40.7	4 281	8 734	5 642	2 024	28 043	23 800	689	2.9	400

"-" No data

Table 6B. Measles and rubella laboratory testing, WHO Western Pacific Region, 2015 as of 20 August 2015

Country/area	Laboratory	Measles and rubella			Measles											Rubella				
					Serology						Virus detection					Total number of lab confirmed cases	Serum and blood (includes DBS)			
		Serum			Blood		Timeliness of results ≤4 days ²	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	76	76	49	22	15	68.2	1	0	-	90.9	0	-	57	50	46	1	0	-	0
Brunei Darussalam	DLS	27	27	23	23	4	17.4	0	0	-	91.3	0	-	4	1	4	19	0	0.0	0
Cambodia	NIPH	251	251	251	196	0	0.0	0	55	0	98.0	0	-	0	-	0	251	3	1.2	0
China ³	CCDC	-	-	-	-	-	-	-	-	-	90.5	-	-	-	-	-	-	-	-	-
China, Hong Kong SAR	PHLC	359	359	294	316	10	3.2	8	0	-	88.5	7	6	52	14	14	296	8	2.7	0
China, Macao SAR	PHL	25	25	25	25	0	0.0	2	0	-	100.0	0	-	0	-	0	25	1	4.0	1
Japan	NIID	312	273	218	55	9	16.4	13	0	-	-	0	-	144	15	20	0	-	-	-
Lao People's Democratic Republic	NCLE	305	305	305	305	9	3.0	8	0	-	96.1	0	-	0	-	9	301	19	6.3	30
Malaysia	NPHL	3 013	3 013	2 644	2 514	558	22.2	56	0	-	80.7	361	0	0	-	560	1 902	40	2.1	27
Mongolia	NCCD	2 906	2 906	2 895	2 825	1 232	43.6	245	0	-	95.6	31	26	183	89	1 298	1 294	16	1.2	8
New Zealand	CHL	260	260	176	99	3	3.0	0	0	-	97.0	0	-	147	7	9	50	0	0.0	0
Papua New Guinea	CPHL	169	169	169	169	54	32.0	16	0	-	56.4	0	-	0	-	54	30	2	-	0
Philippines	RITM	1 786	1 735	1 733	1 686	602	35.7	73	49	10	73.4	38	10	0	-	613	1 108	72	6.5	60
Republic of Korea	KCDC	479	479	356	290	16	5.5	15	0	-	85.3	0	-	198	4	18	168	8	4.8	6
Singapore	SGH	351	351	328	81	9	11.1	0	0	-	92.3	83	9	0	0	9	174	3	1.7	0
Viet Nam (central)	PI	177	177	177	174	6	3.4	3	0	-	47.7	2	0	3	0	6	174	8	4.6	6
Viet Nam (highland)	NIHE	20	20	20	20	7	35.0	0	0	-	65.0	0	-	0	0	7	20	2	10.0	1
Viet Nam (northern)	NIHE	222	222	223	219	51	23.3	9	0	-	92.7	3	0	3	0	51	173	6	3.5	4
Viet Nam (southern)	PI	511	511	479	479	45	9.4	6	0	-	90.3	32	0	32	0	45	479	140	29.2	8
Fiji	FCCDC	91	91	91	86	1	1.2	1	5	0	No data	0	-	0	-	1	76	0	0.0	1
Vanuatu	FCCDC	76	76	76	49	15	30.6	2	27	1	No data	0	-	0	-	16	76	0	0.0	0
Total		11 416	11 326	10 532	9 633	2 646	27.5	458	136	11	85.2	557	51	823	180	2 780	6 617	328	5.0	152

"-" No data

Figure 3. Measles genotype distribution of cases with onset in 2014 and 2015, WHO Western Pacific Region

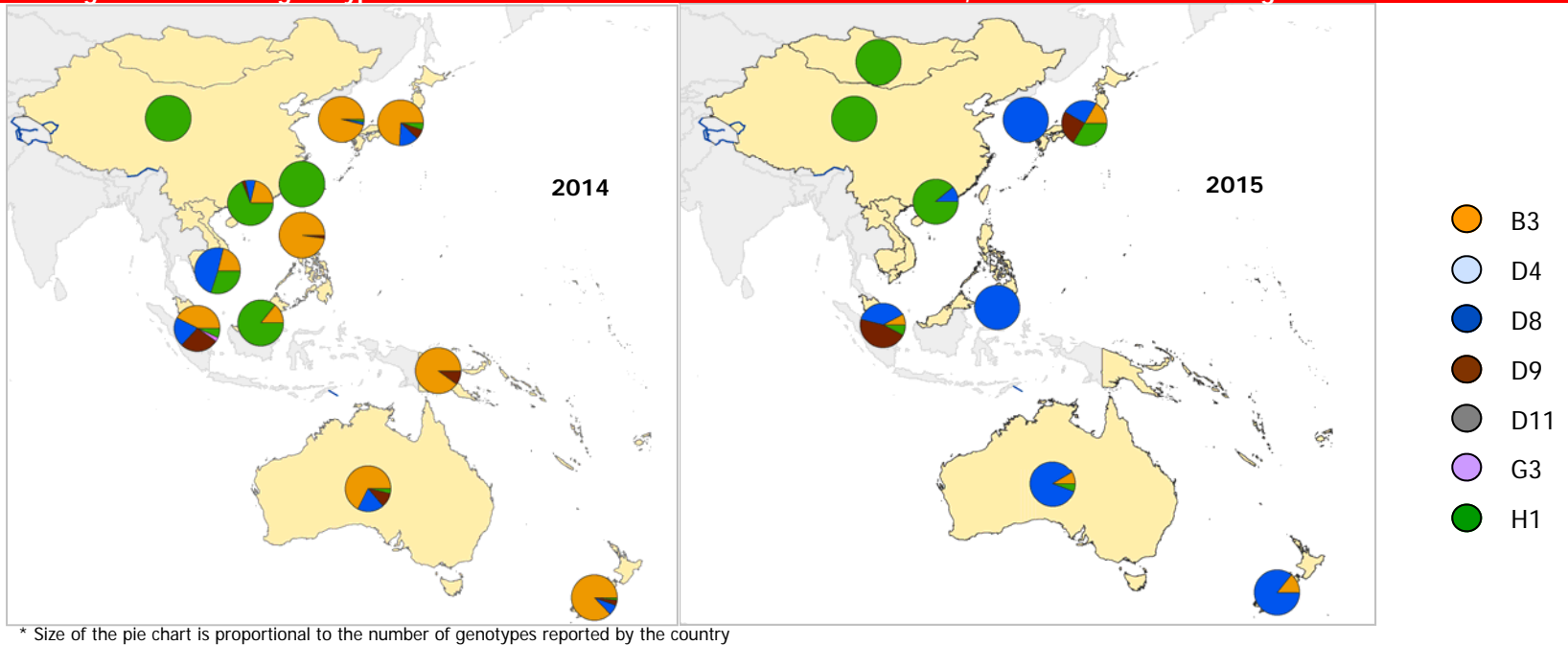
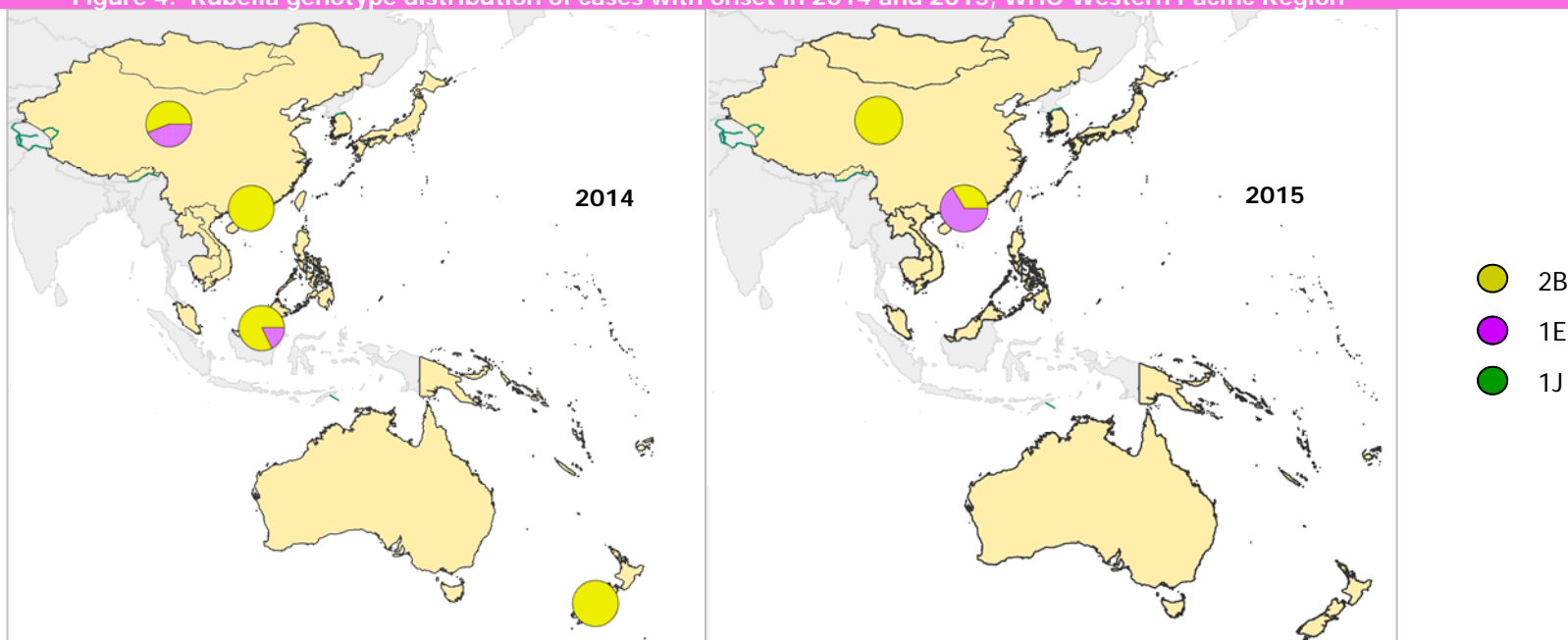


Table 7. Measles genotype distribution of cases with onset in August 2014 to July 2015, WHO Western Pacific Region

Country/area	2014																				2015																																											
	Aug				Sep				Oct				Nov				Dec				Jan				Feb				Mar				Apr				May				Jun				Jul																			
	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	D8	D9	H1	B3	D8	D9	H1	B3	D8	D9	H1	B3	D8	D9	H1	B3	D8	D9	H1	B3	D8	D9	H1																
Australia	2	9		1		1			2	2	4				2											10			1	3			2	3	1		9	1																5										
Brunei Darussalam																																																																
Cambodia																																																																
China				188			85				74				48				139				452				511			1		709			497			1	329				3					90				2												
China, Hong Kong SAR				3			3	1																																																								
China, Macao SAR																																																																
Japan	5	3												3				1												1	1				2	2	3							2					2				1											
Lao People's Democratic Republic																																																																
Malaysia																																																																
Mongolia																																16																																
New Zealand					1					1				2																1	1			1								3																						
Papua New Guinea																																																																
Philippines																																																																
Republic of Korea	2				1				1																					1																																		
Singapore	1	1	3	1												1		1					1	2											2				1				2			2	2																	
Viet Nam				1			3				10																																																					
Pacific island countries and areas																																																																

Sources: Includes all cases reported to the Western Pacific Regional Office by 20 August 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 August 2014 to July 2015, WHO Western Pacific Region

Country/area	2014												2015																							
	Aug			Sep			Oct			Nov			Dec			Jan			Feb			Mar			Apr			May			Jun			Jul		
	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	1					1			3																											
China, Hong Kong SAR															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 August 2015

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

Country/area	2013		2014		2015 ¹							Completeness ²	Timeliness ³
	Completeness	Timeliness	Completeness	Timeliness	Jan	Feb	Mar	Apr	May	Jun	Jul		
Australia	100%	100%	100%	92%	09 Feb	06 Mar	02 Apr	05 May	05 Jun	08 Jul	10 Aug	100%	100%
Brunei Darussalam	100%	100%	100%	100%	07 Feb	09 Mar	09 Apr	07 May	08 Jun	07 Jul	08 Aug	100%	100%
Cambodia	100%	100%	100%	100%	10 Feb	10 Mar	10 Apr	10 May	10 Jun	10 Jul	10 Aug	100%	100%
China	100%	83%	100%	67%	25 Feb	15 Mar	10 Apr	15 May	10 Jun	10 Jul	10 Aug	100%	86%
China, Hong Kong SAR	100%	100%	100%	100%	10 Feb	10 Mar	10 Apr	08 May	10 Jun	09 Jul	10 Aug	100%	100%
China, Macao SAR	100%	100%	100%	100%	04 Feb	10 Mar	01 Apr	08 May	05 Jun	02 Jul	10 Aug	100%	100%
Japan	100%	83%	100%	17%	07 Feb	10 Mar	09 Apr	10 May	07 Jun	08 Jul	10 Aug	100%	100%
Lao People's Democratic Republic	100%	100%	100%	100%	10 Feb	10 Mar	10 Apr	10 May	10 Jun	10 Jul	10 Aug	100%	100%
Malaysia	100%	100%	100%	92%	09 Feb	10 Mar	06 Apr	10 May	10 Jun	09 Jul	10 Aug	100%	100%
Mongolia	100%	100%	100%	100%	10 Feb	09 Mar	10 Apr	10 May	10 Jun	10 Jul	10 Aug	100%	100%
New Zealand	100%	92%	100%	100%	03 Feb	03 Mar	10 Apr	07 May	10 Jun	07 Jul	07 Aug	100%	100%
Papua New Guinea	100%	92%	92%	58%	10 Feb	11 Mar	08 Apr	06 May	10 Jun	02 Jul	14 Aug	100%	71%
Philippines	100%	100%	100%	100%	06 Feb	09 Mar	10 Apr	08 May	10 Jun	09 Jul	07 Aug	100%	100%
Republic of Korea	100%	100%	100%	100%	04 Feb	06 Mar	07 Apr	05 May	02 Jun	02 Jul	06 Aug	100%	100%
Singapore	100%	100%	100%	92%	10 Feb	04 Mar	10 Apr	09 May	10 Jun	07 Jul	05 Aug	100%	100%
Viet Nam	100%	100%	100%	100%	10 Feb	03 Mar	10 Apr	10 May	09 Jun	12 Jul	10 Aug	100%	86%
Pacific island countries and areas	100%	100%	100%	100%	04 Feb	05 Mar	10 Apr	05 May	09 Jun	08 Jul	05 Aug	100%	100%
Completeness	100%		100%		100%	100%	100%	100%	100%	100%	100%	100%	
Timeliness		97%		90%	94%	94%	100%	100%	100%	94%	94%		97%

¹ National measles surveillance monthly reports from July 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/area	2013		2014		2015 ¹							Completeness ²	Timeliness ³
	Completeness	Timeliness	Completeness	Timeliness	Jan	Feb	Mar	Apr	May	Jun	Jul		
Australia	100%	100%	100%	100%	05 Feb	02 Mar	02 Apr	04 May	02 Jun	07 Jul	04 Aug	100%	100%
Brunei Darussalam	100%	78%	100%	100%	07 Feb	28 Feb	06 Apr	30 Apr	03 Jun	30 Jun	03 Aug	100%	100%
Cambodia	100%	100%	100%	100%	10 Feb	10 Mar	10 Apr	10 May	10 Jun	10 Jul	10 Aug	100%	100%
China	100%	100%	100%	100%	02 Feb	02 Mar	08 Apr	07 May	02 Jun	07 Jul	05 Aug	100%	100%
China, Hong Kong SAR	100%	100%	100%	100%	06 Feb	06 Mar	08 Apr	08 May	09 Jun	08 Jul	06 Aug	100%	100%
China, Macao SAR	100%	100%	100%	100%	04 Feb	10 Mar	01 Apr	08 May	09 Jun	03 Jul	04 Aug	100%	100%
Japan	100%	100%	100%	42%	07 Feb	10 Mar	09 Apr	10 May	07 Jun	08 Jul	10 Aug	100%	100%
Lao People's Democratic Republic	92%	92%	100%	100%	10 Feb	10 Mar	10 Apr	10 May	10 Jun	10 Jul	10 Aug	100%	100%
Malaysia	100%	100%	100%	83%	09 Feb	10 Mar	08 Apr	08 May	11 Jun	10 Jul	14 Aug	100%	71%
Mongolia	100%	100%	100%	100%	09 Feb	05 Mar	10 Apr	15 May	06 Jun	17 Jul	08 Aug	100%	71%
New Zealand	100%	100%	100%	100%	09 Feb	09 Mar	10 Apr	07 May	07 Jun	07 Jul	07 Aug	100%	100%
Papua New Guinea	83%	83%	100%	92%	11 Feb	17 Mar	07 Apr	08 May	05 Jun	28 Jul	10 Aug	100%	57%
Philippines	100%	100%	100%	92%	10 Feb	09 Mar	08 Apr	06 May	08 Jun	02 Jul	04 Aug	100%	100%
Republic of Korea	100%	100%	100%	100%	09 Feb	09 Mar	10 Apr	07 May	07 Jun	09 Jul	07 Aug	100%	100%
Singapore	100%	100%	100%	100%	09 Feb	07 Mar	08 Apr	08 May	07 Jun	07 Jul	05 Aug	100%	100%
Viet Nam (central)	-	-	82%	73%	11 Feb	16 Mar	04 Apr	15 May	08 Jun	07 Jul	10 Aug	100%	57%
Viet Nam (highlands)	-	-	91%	82%	11 Feb	16 Mar	04 Apr	15 May	08 Jun	07 Jul	10 Aug	100%	57%
Viet Nam (northern)	100%	50%	100%	83%	11 Feb	16 Mar	04 Apr	15 May	08 Jun	07 Jul	10 Aug	100%	57%
Viet Nam (southern)	100%	67%	100%	100%	09 Feb	10 Mar	08 Apr	07 May	08 Jun	08 Jul	07 Aug	100%	100%
Fiji	100%	100%	100%	100%	04 Feb	05 Mar	10 Apr	05 May	09 Jun	08 Jul	05 Aug	100%	100%
Completeness	99%		99%		100%	100%	100%	100%	100%	100%	100%	100%	
Timeliness		92%		92%	89%	80%	100%	80%	90%	95%	95%		89%

¹ National measles laboratory monthly reports from July 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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