

MEASLES-RUBELLA



This issue of the Measles-Rubella Bulletin includes data on cases with rash onset in 2012 through February that were reported to the Regional Office in March. Detailed explanations of the indicators used in this Bulletin may be found in [Measles Bulletin, Vol. 1, Issue 13 \(September 2007\)](#) and [Measles Bulletin, Vol. 2, Issue 4 \(December 2008\)](#). These indicators are consistent with those recommended in the ["Monitoring Progress towards Measles Elimination" \(Weekly Epidemiological Record, No. 49, 2010, 85:490-4\)](#).

In the Measles Bulletin, Vol. 1, Issue 13 (September 2007), we described several surveillance performance indicators, including "percentage of suspected cases with an adequate investigation conducted within 48 hours of notification" (target $\geq 80\%$). Adequate investigation was defined as the presence of case data on the following core variables: district of recent residence or infection, sex, date of birth or age, date of rash onset, date of notification, date of case investigation, vaccination status (number of prior doses of measles containing vaccine), date of last vaccination (for previously vaccinated cases), and date of specimen collection. In past issues of the Measles-Rubella Bulletin, Table 2B included the adequate investigation indicator without the timeliness component (i.e., cases investigated within 48 hours of notification). In light of recent global guidelines ("Monitoring Progress towards Measles Elimination". *Weekly Epidemiological Record*, No. 49, 2010, 85:490-4), the Measles-Rubella Bulletin henceforth will include timeliness of investigation (i.e., within two days of notification) as a component criterion of adequate investigation in Table 2B. Decreases in this indicator for 2011 reported in this and future issues therefore may occur for some countries and areas.

Table 1A. Completeness and timeliness of epidemiologic reporting, Western Pacific Region, 2010–2012

Country	2010		2011		2012 ¹			
	Completeness	Timeliness	Completeness	Timeliness	Jan	Feb	Completeness ²	Timeliness ³
					10 Feb	10 Mar		
Australia	100%	100%	100%	100%	02 Feb	08 Mar	100%	100%
Brunei Darussalam	100%	100%	100%	100%	08 Feb	07 Mar	100%	100%
Cambodia	75%	42%	100%	92%	10 Feb	10 Mar	100%	100%
China	100%	58%	100%	100%	15 Feb	20 Mar	100%	50%
Hong Kong (China)	100%	100%	100%	100%	06 Feb	02 Mar	100%	100%
Japan	100%	100%	100%	100%	07 Feb	02 Mar	100%	100%
Lao PDR	83%	75%	92%	92%	15 Feb	10 Mar	100%	50%
Macao (China)	100%	100%	100%	100%	07 Feb	08 Mar	100%	100%
Malaysia	92%	83%	100%	92%	10 Feb	07 Mar	100%	100%
Mongolia	100%	92%	100%	100%	08 Feb	10 Mar	100%	100%
New Zealand	100%	92%	100%	83%	07 Feb	06 Mar	100%	100%
Papua New Guinea	67%	33%	75%	42%			0%	0%
Philippines	100%	92%	100%	92%	07 Feb	03 Mar	100%	100%
Republic of Korea	92%	92%	100%	92%	07 Feb	06 Mar	100%	100%
Singapore	100%	100%	100%	92%	03 Feb	07 Mar	100%	100%
Viet Nam	92%	25%	75%	50%	01 Mar	01 Mar	100%	50%
Pacific island countries*	92%	58%	75%	67%	04 Feb	10 Mar	100%	100%
Completeness	93.6%		95.1%		94%	94%	94.1%	
Timeliness		78.9%		88.7%	82%	88%		85.3%

¹ Monthly reports as of March 2012

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 China

Table 1B. Completeness and timeliness of laboratory reporting, Western Pacific Region, 2010–2012

Country	2010		2011		2012 ¹		Completeness ²	Timeliness ³
	Completeness	Timeliness	Completeness	Timeliness	Jan	Feb		
					09 Feb	06 Mar		
Australia	100%	100%	100%	100%	09 Feb	06 Mar	100%	100%
Cambodia	42%	25%	100%	100%	06 Feb	08 Mar	100%	100%
China	0%	0%	0%	0%			0%	0%
Hong Kong (China)	100%	100%	100%	100%	08 Feb	11 Mar	100%	50%
Japan	0%	0%	100%	100%	07 Feb	02 Mar	100%	100%
Lao PDR	58%	58%	100%	100%	10 Feb	10 Mar	100%	100%
Macao (China)	100%	100%	100%	100%	07 Feb	09 Mar	100%	100%
Malaysia	92%	58%	100%	100%	13 Feb	11 Mar	100%	0%
Mongolia	100%	100%	100%	100%	08 Feb	07 Mar	100%	100%
New Zealand	100%	33%	100%	92%	09 Feb	09 Mar	100%	100%
Papua New Guinea	75%	33%	83%	67%	13 Feb	08 Mar	100%	50%
Philippines	100%	83%	100%	100%	10 Feb	08 Mar	100%	100%
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 (northern)	100%	58%	100%	75%	10 Feb	10 Mar	100%	100%
Viet Nam (southern)	83%	50%	100%	100%	10 Feb	08 Mar	100%	100%
Fiji	67%	50%	92%	58%	04 Feb	10 Mar	100%	100%
Completeness	77.5%		92.6%		94%	94%	94.1%	
Timeliness		61.8%		88.2%	82%	82%		82.4%

¹ Monthly reports as of March 2012

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

Table 2A. Measles case classification and incidence, by country and area, Western Pacific Region, 2011–2012 ¹

Country	2011										2012 ¹									
	Population (in millions) ²	Suspected measles cases ³	Confirmed measles cases				Discarded cases	Pending classification	Deaths due to measles	Measles incidence per 1 million pop.	Population (in millions) ²	Suspected measles cases ³	Confirmed measles cases				Discarded cases	Pending classification	Deaths due to measles	Measles incidence per 1 million pop.
			Lab	Epi-linked	Clinical	Total							Lab	Epi-linked	Clinical	Total				
Australia	22.61	No data	164	24	0	188	0	0	0	8.3	22.92	No data	2	0	0	2	0	0	0	0.5
Brunei Darussalam	0.41	10	4	0	0	4	6	0	0	9.9	0.41	3	0	0	0	0	1	2	0	0.0
Cambodia	14.31	3613	319	0	402	721	2885	7	1	50.4	14.48	178	0	0	0	0	110	68	0	0.0
China	1347.57	34 642	8951	13	979	9943	24 692	7	10	7.4	1353.60	2502	464	0	21	485	1944	73	0	2.1
Hong Kong (China)	7.12	232	6	1	6	13	222	0	0	1.8	7.20	28	1	0	0	1	27	0	0	0.8
Japan	126.50	809	322	9	79	410	399	0	0	3.2	126.43	67	51	1	2	54	13	0	0	2.6
Lao PDR	6.29	439	12	17	84	113	326	0	0	18.0	6.37	141	0	0	60	60	81	0	0	56.5
Macao (China)	0.56	16	1	0	0	1	15	0	0	1.8	0.57	2	1	0	0	1	1	0	0	10.6
Malaysia	28.86	4910	1445	82	42	1569	3341	0	4	54.4	29.32	1102	243	24	33	300	503	299	0	61.4
Mongolia	2.80	183	0	0	0	0	183	0	0	0.0	2.84	32	0	0	0	0	32	0	0	0.0
New Zealand	4.41	No data	428	105	66	599	0	4	0	135.7	4.46	No data	29	3	0	32	0	12	0	43.0
Papua New Guinea	7.01	50	0	0	0	0	44	6	0	0.0	7.17	0	0	0	0	0	0	0	0	0.0
Philippines	94.85	9506	3239	171	3144	6554	2952	0	28	69.1	96.47	430	69	5	41	115	117	198	0	7.2
Republic of Korea	48.39	174	40	0	3	43	131	0	0	0.9	48.59	16	0	0	0	0	14	2	0	0.0
Singapore	5.19	No data	143	0	0	143	0	0	0	27.6	5.26	No data	12	0	0	12	0	0	0	13.7
Viet Nam	88.79	14 954	22	81	642	745	14 208	0	4	8.4	89.73	2	0	0	0	0	2	0	0	0.0
Pacific island countries and areas																				
American Samoa	0.07	0	0	0	0	0	0	0	0	0.0	0.07	0	0	0	0	0	0	0	0	0.0
Cook Islands	0.02	0	0	0	0	0	0	0	0	0.0	0.02	0	0	0	0	0	0	0	0	0.0
Fiji ⁴	0.87	538	2	0	0	2	515	21	0	2.3	0.88	69	0	0	0	0	69	0	0	0.0
French Polynesia	0.27	0	0	0	0	0	0	0	0	0.0	0.28	0	0	0	0	0	0	0	0	0.0
Guam	0.18	0	0	0	0	0	0	0	0	0.0	0.18	0	0	0	0	0	0	0	0	0.0
Kiribati	0.10	0	0	0	0	0	0	0	0	0.0	0.10	0	0	0	0	0	0	0	0	0.0
Marshall Islands	0.05	0	0	0	0	0	0	0	0	0.0	0.06	0	0	0	0	0	0	0	0	0.0
Micronesia, Federated States of	0.11	0	0	0	0	0	0	0	0	0.0	0.11	0	0	0	0	0	0	0	0	0.0
Nauru	0.01	0	0	0	0	0	0	0	0	0.0	0.01	0	0	0	0	0	0	0	0	0.0
New Caledonia	0.25	0	0	0	0	0	0	0	0	0.0	0.26	0	0	0	0	0	0	0	0	0.0
Niue	0.00	0	0	0	0	0	0	0	0	0.0	0.00	0	0	0	0	0	0	0	0	0.0
Northern Mariana Islands	0.06	0	0	0	0	0	0	0	0	0.0	0.06	0	0	0	0	0	0	0	0	0.0
Palau	0.02	0	0	0	0	0	0	0	0	0.0	0.02	0	0	0	0	0	0	0	0	0.0
Samoa	0.18	0	0	0	0	0	0	0	0	0.0	0.18	0	0	0	0	0	0	0	0	0.0
Solomon Islands	0.55	0	0	0	0	0	0	0	0	0.0	0.57	0	0	0	0	0	0	0	0	0.0
Tokelau	0.00	0	0	0	0	0	0	0	0	0.0	0.00	0	0	0	0	0	0	0	0	0.0
Tonga	0.10	0	0	0	0	0	0	0	0	0.0	0.10	0	0	0	0	0	0	0	0	0.0
Tuvalu	0.01	0	0	0	0	0	0	0	0	0.0	0.01	0	0	0	0	0	0	0	0	0.0
Vanuatu	0.25	0	0	0	0	0	0	0	0	0.0	0.25	0	0	0	0	0	0	0	0	0.0
Wallis and Futuna	0.01	0	0	0	0	0	0	0	0	0.0	0.01	0	0	0	0	0	0	0	0	0.0
Western Pacific Region	1808.80	70 076	15 098	503	5447	21 048	49 919	45	47	11.6	1819.01	4572	872	33	157	1062	2914	654	0	3.5

¹ Monthly reports as of March 2012

² Population figures from United Nations World Population Prospects: The 2010 Revision

³ Australia, New Zealand and Singapore report only confirmed 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

Table 2B. Measles surveillance performance indicators, by country and area, Western Pacific Region, 2011–2012 ¹

Country	2011					2012 ¹					
	Discarded measles rate per 100 000 pop	Second level units with ≥ 1 discarded cases per 100 000 pop	Suspected cases with adequate investigation	Suspected cases with adequate blood specimens ²	Percent clinically confirmed cases ³	Discarded measles rate per 100 000 pop	Annualized discarded measles rate per 100 000 pop	Second level units with ≥ 1 discarded cases per 100 000 pop (annualized)	Suspected cases with adequate investigation	Suspected cases with adequate blood specimens ²	Percent clinically confirmed cases ³
	≥ 2	≥ 80%	≥ 80%	≥ 80%	≤ 10%	≥ 2	≥ 2	≥ 80%	≥ 80%	≥ 80%	≤ 10%
Australia ⁴	Insufficient data	Insufficient data	Insufficient data	Insufficient data	Insufficient data	Insufficient data	Insufficient data	Insufficient data	Insufficient data	Insufficient data	Insufficient data
Brunei Darussalam	1.5	100.0%	50.0%	90.0%	Not applicable	0.2	1.5	100.0%	33.3%	66.7%	Not applicable
Cambodia	20.2	75.0%	14.1%	84.9%	55.8%	0.8	4.6	33.3%	21.9%	61.2%	Not applicable
China	1.8	71.0%	94.4%	88.0%	9.8%	0.1	0.9	3.2%	96.6%	91.6%	4.3%
Hong Kong (China)	3.1	100.0%	74.6%	97.8%	46.2%	0.4	2.3	100.0%	60.7%	100.0%	0.0%
Japan	0.3	4.3%	Insufficient data	Insufficient data	19.3%	0.0	0.1	0.0%	Insufficient data	Insufficient data	3.7%
Lao PDR	5.2	70.6%	22.6%	43.1%	74.3%	1.3	7.6	47.1%	36.2%	48.9%	100.0%
Macao (China)	2.7	100.0%	100.0%	100.0%	Not applicable	0.2	1.1	100.0%	100.0%	100.0%	0.0%
Malaysia	11.6	93.8%	42.6%	83.8%	2.7%	1.7	10.3	93.8%	6.5%	20.9%	11.0%
Mongolia	6.5	36.4%	59.6%	100.0%	Not applicable	1.1	6.8	4.5%	75.0%	100.0%	Not applicable
New Zealand ⁴	Insufficient data	Insufficient data	Insufficient data	Insufficient data	11.0%	Insufficient data	Insufficient data	Insufficient data	Insufficient data	Insufficient data	0.0%
Papua New Guinea	0.6	20.0%	28.0%	82.0%	Not applicable	0.0	0.0	Not applicable	Not applicable	Not applicable	Not applicable
Philippines	3.1	88.2%	47.0%	76.3%	48.0%	0.1	0.7	29.4%	47.6%	82.8%	35.7%
Republic of Korea	0.3	0.0%	58.6%	85.6%	7.0%	0.0	0.2	6.3%	68.8%	100.0%	Not applicable
Singapore ⁴	Insufficient data	Insufficient data	Insufficient data	Insufficient data	Insufficient data	Insufficient data	Insufficient data	Insufficient data	Insufficient data	Insufficient data	Not applicable
Viet Nam	16.0	84.4%	20.7%	31.7%	86.2%	0.0	0.0	Not applicable	Not applicable	Not applicable	Not applicable
Pacific island countries and areas											
American Samoa	0.0	0.0%	Not applicable	Not applicable	Not applicable	0.0	0.0	0.0%	Not applicable	Not applicable	Not applicable
Cook Islands	0.0	0.0%	Not applicable	Not applicable	Not applicable	0.0	0.0	0.0%	Not applicable	Not applicable	Not applicable
Fiji	59.3	100.0%	0.0%	Not applicable	Not applicable	7.9	47.3	0.0%	0.0%	Not applicable	Not applicable
French Polynesia	0.0	0.0%	Not applicable	Not applicable	Not applicable	0.0	0.0	0.0%	Not applicable	Not applicable	Not applicable
Guam	0.0	0.0%	Not applicable	Not applicable	Not applicable	0.0	0.0	0.0%	Not applicable	Not applicable	Not applicable
Kiribati	0.0	0.0%	Not applicable	Not applicable	Not applicable	0.0	0.0	0.0%	Not applicable	Not applicable	Not applicable
Marshall Islands	0.0	0.0%	Not applicable	Not applicable	Not applicable	0.0	0.0	0.0%	Not applicable	Not applicable	Not applicable
Micronesia, Federated States of	0.0	0.0%	Not applicable	Not applicable	Not applicable	0.0	0.0	0.0%	Not applicable	Not applicable	Not applicable
Nauru	0.0	0.0%	Not applicable	Not applicable	Not applicable	0.0	0.0	0.0%	Not applicable	Not applicable	Not applicable
New Caledonia	0.0	0.0%	Not applicable	Not applicable	Not applicable	0.0	0.0	0.0%	Not applicable	Not applicable	Not applicable
Niue	0.0	0.0%	Not applicable	Not applicable	Not applicable	0.0	0.0	0.0%	Not applicable	Not applicable	Not applicable
Northern Mariana Islands	0.0	0.0%	Not applicable	Not applicable	Not applicable	0.0	0.0	0.0%	Not applicable	Not applicable	Not applicable
Palau	0.0	0.0%	Not applicable	Not applicable	Not applicable	0.0	0.0	0.0%	Not applicable	Not applicable	Not applicable
Samoa	0.0	0.0%	Not applicable	Not applicable	Not applicable	0.0	0.0	0.0%	Not applicable	Not applicable	Not applicable
Solomon Islands	0.0	0.0%	Not applicable	Not applicable	Not applicable	0.0	0.0	0.0%	Not applicable	Not applicable	Not applicable
Tokelau	0.0	0.0%	Not applicable	Not applicable	Not applicable	0.0	0.0	0.0%	Not applicable	Not applicable	Not applicable
Tonga	0.0	0.0%	Not applicable	Not applicable	Not applicable	0.0	0.0	0.0%	Not applicable	Not applicable	Not applicable
Tuvalu	0.0	0.0%	Not applicable	Not applicable	Not applicable	0.0	0.0	0.0%	Not applicable	Not applicable	Not applicable
Vanuatu	0.0	0.0%	Not applicable	Not applicable	Not applicable	0.0	0.0	0.0%	Not applicable	Not applicable	Not applicable
Wallis and Futuna	0.0	0.0%	Not applicable	Not applicable	Not applicable	0.0	0.0	0.0%	Not applicable	Not applicable	Not applicable
Western Pacific Region	2.8	52.3%	62.6%	73.5%	26.3%	0.2	1.0	14.0%	62.5%	71.0%	15.0%

¹ Monthly reports as of March 2012

² Excludes epi-linked cases

³ Among all confirmed cases

⁴ 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. Measles and rubella laboratory performance, Western Pacific Region, 2012¹

Country	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		Results ≤ 7 days	Measles Virus isolation/ detection (swab, urine, PBMC)		Measles RT - PCR		Total number of lab confirmed cases	Samples tested for rubella IgM	Rubella IgM (+)	Rubella IgM equiv	Rubella IgM pending	
			Samples tested for measles IgM	Measles IgM (+)	Measles IgM equiv	Measles IgM (-)	Measles IgM pending	DBS samples	No. of samples tested		No. of isolates	No. of samples tested	No. of (+)							
No.	No.	No.	No.	%	No.	No. received	No. (+)	%	No.	No.	No.	No.	No.	No.	No.	No.	No.			
Australia	9	11	5	2	1	2	40.0%	0	0	-	100%	0	0	4	3	4	5	2	0	0
Cambodia	125	126	120	0	0	120	100.0%	0	0	-	100.0%	5	0	5	0	0	120	33	0	0
China																				
Hong Kong (China)	56	65	54	2	0	52	96.3%	0	0	-	98.1%	3	2	5	4	2	55	5	1	0
Japan																				
Lao PDR	121	121	121	0	0	121	100%	0	0	-	96.4%	0	0	0	0	0	121	25	18	0
Macao (China)	7	7	7	1	0	6	85.7%	0	0	-	100%	0	0	0	0	1	7	1	0	0
Malaysia	1220	1226	447	162	8	277	62.0%	0	0	-	100%	94	11	0	0	162	277	23	17	0
Mongolia	33	33	33	0	0	33	100%	0	0	-	100%	0	0	0	0	0	33	4	2	0
New Zealand	94	102	31	2	1	28	90.3%	0	0	-	100%	0	0	64	28	29	9	1	1	0
Papua New Guinea	1	1	1	0	0	1	100%	0	0	-	100%	0	0	0	0	0	1	0	0	0
Philippines	468	469	464	170	32	260	56.0%	2	0	-	96.6%	2	0	0	0	170	292	36	25	2
Republic of Korea	40	41	40	5	3	32	80.0%	0	0	-	100%	0	0	6	0	5	40	3	5	0
Singapore	116	134	62	8	3	51	82.3%	0	0	-	92.5%	41	4	0	0	10	66	3	2	0
Viet Nam (northern)	12	12	11	0	0	4	36.4%	7	0	-	75.0%	0	0	0	0	0	12	3	0	7
Viet Nam (southern)	14	14	14	0	0	13	92.9%	1	0	-	100%	0	0	0	0	0	14	3	1	2
Fiji	68	68	68	0	0	68	100%	0	0	-	91.0%	0	0	0	0	0	68	21	7	0
Total	2 384	2 430	1 478	352	48	1 068	72.3%	10	0	0	98.3%	145	17	84	35	383	1 120	163	79	11

¹ Monthly reports as of March 2012

Table 4A. Measles genotype distribution, Western Pacific Region, 2011–2012¹

Country	2011												2012 ¹											
	Total confirmed cases ²	Total Lab confirmed ²	GENOTYPES ³								Pending	Total	Total confirmed cases ²	Total Lab confirmed ²	GENOTYPES ³								Pending	Total
			B3	D4	D8	D9	D11	G3	H1	A					B3	D4	D8	D9	D11	G3	H1	A		
Australia	188	164	-	31	25	38	-	-	1	5	3	103	2	2	-	-	-	2	-	1	-	-	-	3
Brunei Darussalam	4	4	-	-	-	-	-	-	-	-	-	0	0	0	-	-	-	-	-	-	-	-	-	0
Cambodia	721	319	-	-	-	2	-	-	3	-	-	5	0	0	-	-	-	-	-	-	-	-	-	0
China	9943	8951	-	-	-	-	1	-	175	2	-	178	485	464	-	-	-	-	-	-	6	-	-	6
Hong Kong (China)	13	6	-	-	1	3	-	-	1	-	-	5	1	1	-	-	-	2	-	-	-	-	-	2
Japan	410	322	-	51	7	35	-	1	-	4	-	98	54	51	-	4	24	7	-	-	-	-	-	35
Lao PDR	113	12	-	-	-	-	-	-	6	-	-	6	60	0	-	-	-	-	-	-	-	-	-	0
Macao (China)	1	1	-	-	1	-	-	-	-	-	-	1	1	1	-	-	-	-	-	-	-	-	-	0
Malaysia	1569	1445	-	-	9	33	-	1	-	1	-	44	300	243	-	-	-	-	-	-	-	-	-	0
Mongolia	0	0	-	-	-	-	-	-	-	-	-	0	0	0	-	-	-	-	-	-	-	-	-	0
New Zealand	599	428	-	22	3	12	-	-	-	-	-	37	32	29	-	-	-	-	-	-	-	1	-	1
Papua New Guinea	0	0	-	-	-	-	-	-	-	-	-	0	0	0	-	-	-	-	-	-	-	-	-	0
Philippines	6554	3239	-	-	-	24	-	-	-	-	-	24	115	69	-	-	-	-	-	-	-	-	-	0
Republic of Korea	43	40	-	-	-	12	-	-	-	1	-	13	0	0	-	-	-	-	-	-	-	-	-	0
Singapore	143	143	-	1	9	33	-	1	-	-	2	46	12	12	-	-	-	1	-	-	-	-	3	4
Viet Nam	745	22	-	-	-	-	-	-	2	-	-	2	0	0	-	-	-	-	-	-	-	-	-	0
Pacific island countries	2	2	-	-	-	-	-	-	-	-	-	0	0	0	-	-	-	-	-	-	-	-	-	0
Total	21 048	15 098	-	105	55	192	1	3	188	13	5	562	1062	872	-	4	24	12	0	1	6	1	3	51

¹ Monthly reports as of March 2012

² Source: National measles surveillance reports (Table 2A)

³ Sources: National and regional reference laboratory reports to WHO and to the Measles Nucleotide Sequence online database (MeANS), whichever has the greater number

Table 4B. Rubella genotypes distribution, Western Pacific Region, 2011–2012¹

Country	2011						2012 ¹						
	Samples tested for rubella IgM ²	Rubella IgM positive ²	Genotypes ³			Total	Samples tested for rubella IgM ²	Rubella IgM positive ²	Genotypes ³			Pending	Total
			1E	1j	2B				1E	1j	2B		
Australia	40	5	-	-	-	0	5	2	-	-	-	-	0
Brunei Darussalam			-	-	-	0			-	-	-	-	0
Cambodia	3038	1048	-	-	-	0	120	33	-	-	-	-	0
China			154	-	18	172			-	-	-	-	0
Hong Kong (China)	352	41	7	-	8	15	55	5	-	-	1	-	1
Japan			2	1	2	5			-	-	-	-	0
Lao PDR	181	37	1	-	-	1	121	25	-	-	-	-	0
Macao (China)	47	1	-	-	-	0	7	1	-	-	-	-	0
Malaysia	3360	383	-	-	4	4	277	23	-	-	-	-	0
Mongolia	182	14	-	-	-	0	33	4	-	-	-	-	0
New Zealand	95	4	-	-	5	5	9	1	-	-	-	-	0
Papua New Guinea	144	8	-	-	2	2	1	0	-	-	-	-	0
Philippines	3831	1115	-	-	-	0	292	36	-	-	-	-	0
Republic of Korea	227	19	-	-	-	0	40	3	-	-	-	-	0
Singapore	376	9	-	-	-	0	66	3	-	-	-	-	0
Viet Nam	4186	2497	-	-	15	15	26	6	-	-	-	-	0
Pacific island countries	527	151	-	-	2	2	68	21	-	-	-	-	0
Total	16 586	5332	164	1	56	221	1120	163	0	0	1	0	1

¹ Monthly reports as of March 2012

² Source: National laboratory reports to WHO (Table 3)

³ Sources: National and regional reference laboratory reports to WHO and to the Measles Nucleotide Sequence online database (MeaNS), whichever has the greater number

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