

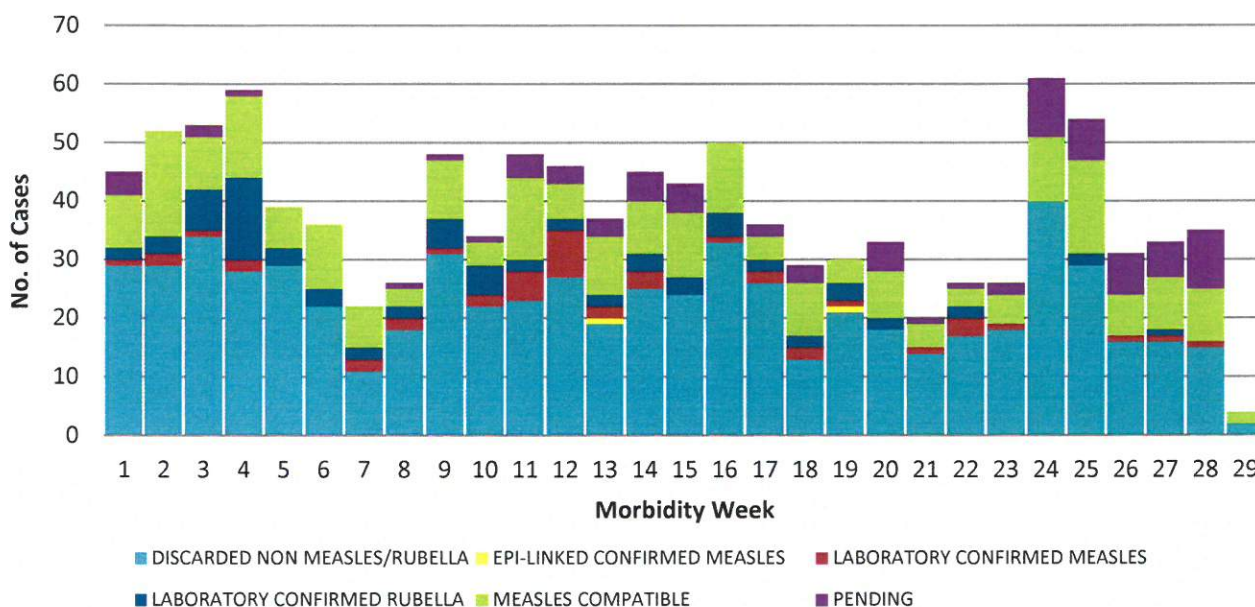


Morbidity Week 29: January 1 – July 23, 2016

Epidemiology Bureau
Public Health Surveillance Division

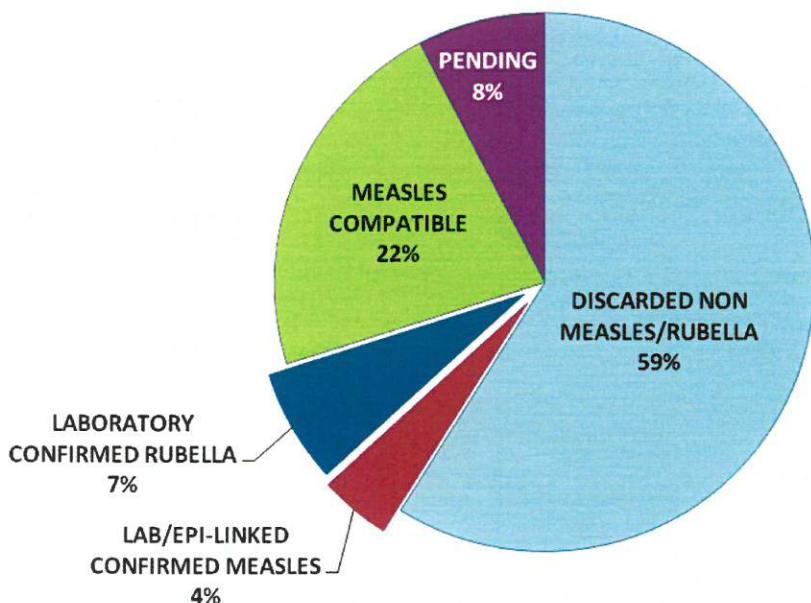
Current Trend of Measles-Rubella

**FIGURE 1. REPORTED MEASLES CASES PER MORBIDITY WEEK
PHILIPPINES, JANUARY 1 - JULY 23, 2016 (N=1,101)**



A total of 1,101 suspect measles cases were reported nationwide from January 1 to July 23, 2016. Of these, 778 cases were tested. Among the reported cases, 47 (4%) were classified as confirmed measles cases (laboratory confirmed and epi-linked confirmed measles) and 76 (7%) were classified as laboratory confirmed rubella. Figure 1 shows the trend of reported measles cases for 2016. As per case classification, bulk of the reported cases are discarded upon laboratory confirmation. With these number of cases, the country garnered an incidence rate of is $0.78/1,000,000$ population. Current number of confirmed measles cases is still below the alert and epidemic thresholds. Despite these facts, measles and rubella are still present, making the elimination goal still a challenge.

**FIGURE 2. DISTRIBUTION OF REPORTED MEASLES-RUBELLA CASES,
PHILIPPINES, JANUARY 1 - JULY 23, 2016 (N=1,101)**



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**TABLE 1. MEASLES AND RUBELLA CASES BY REGION
PHILIPPINES, JANUARY 1 – JULY 23, 2016 (N=1,101)**

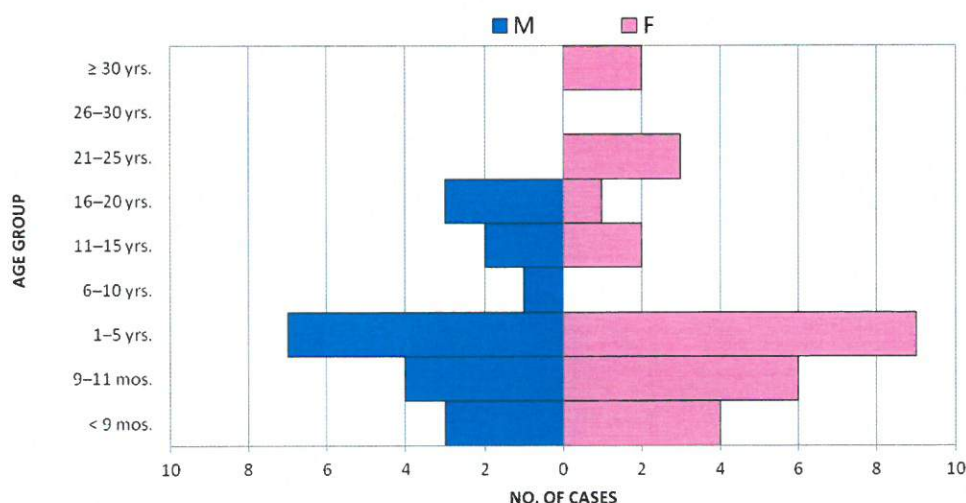
REGION	REPORTED	TESTED	CONFIRMED MEASLES	CONFIRMED RUBELLA	DISCARDED	MEASLES COMPATIBLE	PENDING
1	81	43	4	3	36	35	3
2	40	29	1	0	29	5	5
3	63	51	2	3	46	9	3
4A	107	77	4	5	67	22	9
4B	30	16	0	1	15	11	3
5	18	18	2	1	13	2	0
6	190	183	2	44	136	6	2
7	56	53	10	2	40	1	3
8	39	2	0	0	2	32	5
9	50	32	11	0	22	9	8
10	137	44	2	2	40	64	29
11	54	45	0	4	39	6	5
12	48	42	1	1	40	4	2
ARMM	6	1	0	0	1	2	3
CAR	47	41	3	2	36	6	0
CRG	23	13	2	0	11	10	0
NCR	112	88	3	8	76	21	4
PHL	1,101	778	47	76	649	245	84

Profile of Cases

Measles

Fifty seven percent (57%) of the confirmed measles cases were female. Majority of the confirmed cases belonged to children aged 1 to 5 years old (34%) as shown in Figure 3. Among the confirmed measles cases, 24 (51%) were not vaccinated, 19 (40%) were vaccinated and 4 (9%) have an unknown vaccination status.

**FIGURE 3. CONFIRMED MEASLES CASES BY AGE GROUP AND SEX
PHILIPPINES, JANUARY 1- JULY 23, 2016 (n=47)**



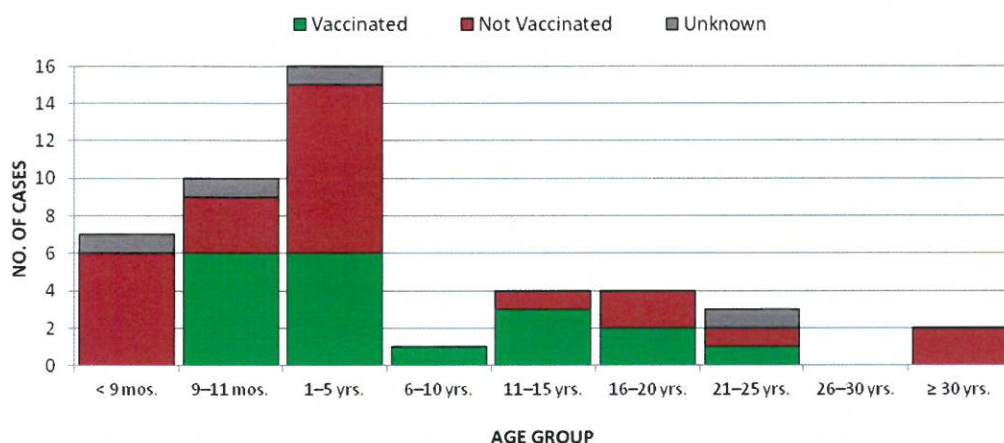
AGE GROUP	PHILIPPINES	
	M	F
unspecified	0	0
< 9 mos.	3	4
9-11 mos.	4	6
1-5 yrs.	7	9
6-10 yrs.	1	0
11-15 yrs.	2	2
16-20 yrs.	3	1
21-25 yrs.	0	3
26-30 yrs.	0	0
≥ 30 yrs.	0	2
TOTAL	20	27



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FIGURE 4. IMMUNIZATION STATUS OF CONFIRMED MEASLES CASES BY AGE GROUP
PHILIPPINES, JANUARY 1-JULY 23, 2016 (n=47)

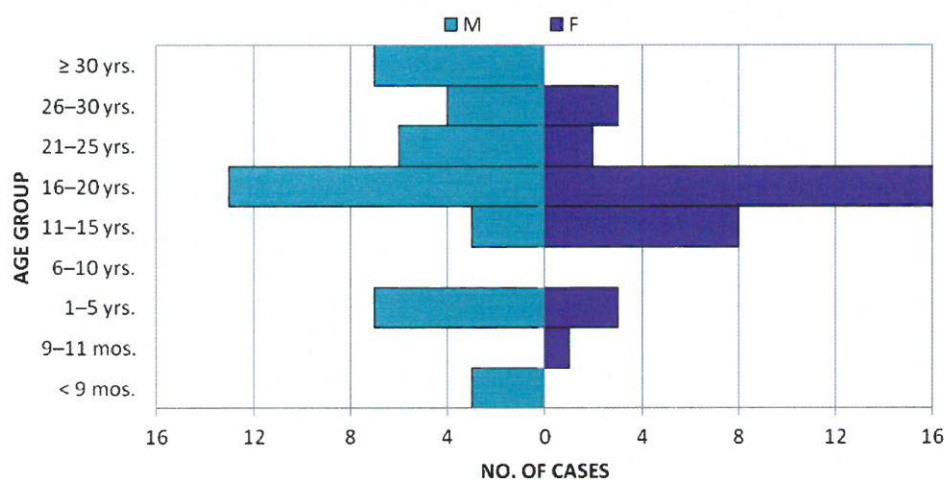


Age Group	PHILIPPINES		
	N	U	Y
unspecified	0	0	0
< 9 mos.	6	1	0
9-11 mos.	3	1	6
1-5 yrs.	9	1	6
6-10 yrs.	0	0	1
11-15 yrs.	1	0	3
16-20 yrs.	2	0	2
21-25 yrs.	1	1	1
26-30 yrs.	0	0	0
≥ 30 yrs.	2	0	0
	24	4	19
	47		

Rubella

Fifty seven percent (57%) of the confirmed rubella cases were male. Majority of the confirmed cases belonged to the young adult age group ranging from 16 to 20 years old (38%). Among the female confirmed rubella cases, there were 4 pregnant cases, all tested negative for measles and rubella IgM. (Pregnancy data source: CIF encoded by RITM)

FIGURE 5. CONFIRMED RUBELLA CASES BY AGE GROUP AND SEX
PHILIPPINES, JANUARY 1- JULY 23, 2016 (n=76)



AGE GROUP	PHILIPPINES	
	M	F
unspecified	0	0
< 9 mos.	3	0
9-11 mos.	0	1
1-5 yrs.	7	3
6-10 yrs.	0	0
11-15 yrs.	3	8
16-20 yrs.	13	16
21-25 yrs.	6	2
26-30 yrs.	4	3
≥ 30 yrs.	7	0
TOTAL	43	33

NOTE: Case counts reported here do NOT represent the final number and are subject to change after inclusion of delayed reports and review of cases.

Virus Isolation and Genotyping

There were 26 oropharyngeal/nasopharyngeal swab samples submitted since January 2016. Among these, 5 have tested positive for rubella virus. Genotype identified for all the cases was 2B. None of the samples tested positive for measles virus.

Identified Cases and Clusters of Confirmed Measles and Rubella Among Regions

From morbidity week 25 to 28, counts remained to be 44 cases for measles and 75 cases for rubella. For the current morbidity week (MW 29), Regions 1, 7 and 10 had 1 additional confirmed measles case per region. Region 5 has a new confirmed rubella case, also the first case detected in their region for year 2016. No new clusters identified.