



REPUBLIC OF THE PHILIPPINES
NATIONAL DISASTER RISK REDUCTION AND MANAGEMENT COUNCIL

National Disaster Risk Reduction and Management Center, Camp Aguinaldo, Quezon City, Philippines

NDRRMC UPDATE

Final Report re Measles Outbreak (08 February 2019 – 14 November 2019)

Releasing Officer:

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Sources: : DOH, OCDROs I, II, MIMAROPA, VI, VII, VIII, X, and NCR

I. SITUATION OVERVIEW

- Measles is a highly contagious respiratory disease caused by a virus. It is transferred from person-to-person by sneezing, coughing, and close personal contact. Its signs and symptoms include cough, runny nose, red eyes/conjunctivitis, fever, and skin rashes lasting for more than three (3) days.
- The Department of Health (DOH) raised the red flag for measles in some regions of Luzon, Central and Eastern Visayas on 07 February 2019, aside from the declaration of National Capital Region (NCR) on 06 January 2019.

II. EFFECTS

A. Casualties

- a. A total of **25,676 measles cases** were reported in Regions I, II, CAR, III, CALABARZON, MIMAROPA, V, VI, VII, VIII, IX, X, XI, XII, CARAGA, ARMM, and NCR. Of which, 355 persons were reported dead from **01 January to 26 March 2019**.
- b. Ages of cases ranged from <1 month to 88 years old (median: 3 years), most affected age group: 1-4 years (7,256 or 28%) and <9 months (6,521 or 25%); and majority (13,568 or 53%) were males.
- c. Most of the cases were from CALABARZON (5,165), NCR (5,332), Region III (4,037), Region VI (1,496), and Region X (1,251).
- d. Majority (15,055 or 59%) of the cases are not vaccinated.

REGION	No. of Measles Cases	No. of Deaths
I	1,109	12
II	366	1
III	4,037	57
CALABARZON	5,165	100
MIMAROPA	1,057	9
V	749	7

REGION	No. of Measles Cases	No. of Deaths
VI	1,496	6
VII	1,188	11
VIII	1,060	24
IX	312	1
X	1,251	10
XI	520	7
XII	505	4
CARAGA	626	2
BARMM	462	5
CAR	441	1
NCR	5,332	97
TOTAL	25,676	355

Source: DOH-HEMB HEARS Plus Report as of 29 March 2019

B. Declaration of State of Calamity

Per Resolution No. 1165, the Province of Cavite was declared under State of Calamity on 18 February 2019 due to the measles outbreak.

III. ACTIONS TAKEN:

A. National Disaster Risk Reduction and Management Council (NDRRMC)

1. NDRRM Operations Center (NDRRMOC)

- a. Facilitated the conduct of NDRRMC Response Cluster Meeting on the DOH's Declaration of a Measles Outbreak held on 11 February 2019 at DepEd Complex, Meralco Ave., Pasig City.
- b. Monitored and disseminated Situational Reports re Measles Outbreak to NDRRMC Member-Agencies, Stakeholders, and OCD Regional offices concerned through facsimile, e-mail, and official social media websites for further dissemination to its respective Local Disaster Risk Reduction and Management Councils (LDRRMCs).

2. Department of Health (DOH)

- a. Declared Measles Outbreak in Regions III, CALABARZON, VI, VII, X, and NCR.
- b. Conducted Emergency Inter-Agency Meeting on Measles Outbreak Declaration participated by DOH Offices on 08 February 2019.
- c. Conducted Orientation Meeting on Communication to all duty personnel in the Operations Center on 08 February 2019.
- d. Facilitated the augmentation of cot beds from the National Kidney and Transplant Institute to San Lazaro Hospital.
- e. Disseminated health advisories regarding prevention and management of measles to affected regions.
- f. Provided technical assistance to CHD-CAR and observed actual measles immunization. Monitored and inspected various fixed post immunization sites at Baguio General Hospital and house to house immunization at La Trinidad and Itogon respectively.
- g. Conducted a Command Conference which assessed the response efforts on the increasing measles cases at the Office of the Secretary on 11 March 2019, attended by the DOH Central Office Executive Committee members, concerned Bureau Directors, and Centers for Health Development Directors.

- h. All Centers for Health Development in coordination with the Local Government Units and partners conducted intensified information campaign and actual measles immunization of target population especially children 6-59 months old.

B. Regional/Local Disaster Risk Reduction and Management Councils (R/LDRRMCs)

1. RDRRMC I

- a. Convened concerned RDRRMC Member-Agencies in a command conference in collaboration with DOH I to discuss the general situation of measles outbreak and actions to be conducted.
- b. Provided assistance in the information campaign of DOH I re measles outbreak
- c. Monitored and coordinated with concerned RDRRMC Member-Agencies and Provincial DRRM Councils.

Provincial Disaster Risk Reduction and Management Councils (PDRRMCs)

- a. Spearheaded the conduct of Outbreak Response Immunization / Catch-up Vaccination in close coordination with CHD I.
- b. Mobilized personnel to conduct monitoring on the implementation of catch-up vaccination and conduct of Rapid Coverage Assessment.
- c. Established vaccination posts in hospitals and fast lanes for measles cases.

2. RDRRMC II

Coordinated with DOH II and monitored the growing cases of measles in the area of responsibility (AOR).

3. RDRRMC III

DOH III

- a. Conducted verification and investigation of reported measles cases and deaths.
- b. Coordinated with the municipal, provincial, and regular immunization program coordinator.
- c. Provided feedback and generation of report on measles cases to the municipal, provincial, and regional offices.
- d. Augmented Measles Rubella (MR) and Measles Mumps Rubella (MMR) vaccines to provinces health offices, city health offices, and hospitals amounting to ₱17,044,399.75.
- e. Organized a Rapid Coverage Assessment (RCA) team for measles outbreak composed of DOH Program Managers, DMOs, and WHO Staff.
- f. Conducted a general orientation with the RCA team on 01 March 2019.
- g. Conducted Rapid Coverage Assessment in all provinces from 05-28 March 2019 of which, all teams were required to submit RCA results and action taken every Friday of the covered week.
- h. Conducted micro planning on Outbreak Response Immunization (ORI) on 19-20 March 2019 to re-plan and re-strategize the measles response immunization to achieve target.
- i. Conducted orientation on measles outbreak response among government and hospitals which was attended by 50 chief of clinics/ chief nurses to harmonize the strategies on the case management of measles.
- j. Conducted mop-up immunization to areas with missed children based on the results of the RCA.
- k. Facilitated a series of coordinative meeting regarding the status update on measles with the ExeCom and other concerned individuals.

- I. Submitted a weekly outbreak response immunization accomplishment report to HEMS.

4. RDRRMC MIMAROPA

OCD MIMAROPA

- a. Coordinated with DOH MIMAROPA, PDRRMO, MDRRMOs, and PHO and monitored the incident regarding measles cases in the AOR.
- b. Issued Memorandum to P/C/MDRRMOs MIMAROPA to closely monitor the status of measles outbreak within its respective AOR.
- c. Attended the coordination meeting with Marinduque PHO DRRM-H, OCD MIMAROPA and Chief of Hospitals on Measles cases and facilitated arrival of MIMAROPA RAA delegates from Occidental Mindoro Cawit Port, Boac, Marinduque.

DOH MIMAROPA

- a. Monitored and reported measles cases on a 24-hour basis.
- b. Coordinated with all PDOHO and HEMS point persons with DOH retained hospitals and other regional agencies.
- c. Activated the Incident Command System in response to Measles Outbreak in the region.
- d. Intensified mass immunization activities, data collection and reporting, and IEC campaigns.
- e. Established Measles Fast Lane in DOH Retained Hospitals.
- f. Mobilized CHD Surveillance Monitoring Team to all provinces.
- g. PDOHO conducted house to house immunization activities and continuous advocacy on Measles Outbreak.
- h. Health Education and Promotion Unit conducted an intensified information dissemination campaign regarding measles and the importance of being vaccinated.

PDRRMCs Occidental Mindoro, Oriental Mindoro, Marinduque, Romblon, and Palawan

- a. Monitored measles cases and immunization within its respective AOR.
- b. Disseminated information on measles prevention.
- c. Established 2 isolation rooms for measles cases in Dra. Damian Reyes Provincial Hospital, Boac Marinduque.
- d. Attended the coordination meeting with Marinduque PHO DRRM-H, OCD MIMAROPA and Chief of Hospitals on Measles cases and facilitated arrival of MIMAROPA RAA delegates from Occidental Mindoro Cawit Port, Boac, Marinduque.

MDRRMCs Boac, Buenavista, Mogpog, Gasan, Torrijos, and Sta. Cruz in Marinduque

- a. Coordinated with Rural Health Unit relative to measles cases.
- b. Monitored the measles cases and immunization within its AOR.

5. RDRRMC VI

OCD VI

- a. Issued RDRRMC Memorandum No. 011 re Reporting and Monitoring of Measles Cases in Region VI.
- b. Conducted PDRA/ERP Meeting on 18 February 2019.
- c. Conducted PDRA Meeting re Dengue and Measles Cases in Western Visayas on 09 July 2019 in Mandurriao, Iloilo City.

- d. Coordinated with DOH VI and PDRRMCs regarding the incident and monitored measles cases and immunization within its AOR.

DOH VI

- a. Issued a Memorandum declaring Code White Alert to Chiefs of DOH Retained Hospitals, Medical Centers, Sanitaria, 6 Provinces, and 2 Highly Urbanized Cities on 08 February 2019.
- b. Monitored measles cases within the AOR.

DILG VI

Disseminated the advisory on the DOH's Declaration of Measles Outbreak and conducted Nationwide Immunization Campaign on 15 February 2019.

PDRRMC Guimaras

- a. LGU health personnel conducted routine immunization in its respective health facilities.
- b. Conducted Intensity Measles Outbreak Response Immunization (ORI) among hospitals and facilities and likewise, ensured the following activities:
 - Establishment of measles fast lane
 - Provision of isolation room/area for admitted measles cases.
 - Provision of Vitamin A for children.
- c. Conducted Mixed Method: Non-selective and Selective Mass Measles and Polio Vaccination for targeted population per DOH Department Memorandum No 2019-0048, as well as the following activities were undertaken:
 - Door-to-Door Vaccination for all 6-59 months old
 - School-based Immunization in collaboration with DepEd and DSWD.
- d. Conducted door-to-door on the following supplemental immunization activity (SIA) for defaulters and school-based immunization for Grades 1 to 7 in Guimaras:
 - Back to Bakuna
 - Immunization Protects Population
 - GUIMARAS: Paspas Kontra Tigdas

PDRRMC Negros Occidental

- a. Requested the Provincial Health Office for the availability of vaccines for DRRM personnel.
- b. Conducted vaccination for all employees facilitated by Corazon Locsin Motelibano Memorial Regional Hospital in Negros Occidental.
- c. Conducted Emergency Health Meeting with the Governor, PDRRMC Meeting and Sangguniang Panlalawigan (SP) Meeting spearheaded by PHO.

6. RDRRMC VII

OCD VII

- a. Coordinated with the Regional Epidemiology and Surveillance Unit (RESU VII) and DOH VII.
- b. Deployed personnel from member-agencies from the response cluster to support DOH efforts in reducing the number of affected populations to measles.
- c. Intensified information dissemination through reproduction of IEC Materials (prints, broadcasts, social media) and SMS.

DOH VII

- a. Coordinated with all disease reporting units and concerned LGUs for contact tracing and monitoring of possible additional cases.
- b. Facilitated the shipment of specimens to Regional Institute for Tropical Medicine (RITM) for laboratory confirmation.

- c. Updated stakeholders on the current situation in the Region on measles outbreak.
- d. Conducted outbreak response immunization activities with the National Immunization Program.
- e. DOH has declared "Code White" status on 11 February 2019 (when 96 cases and 1 death on February 2 rose to 145 cases and 2 deaths in just 1 week) - all hospitals in Cebu, Bohol, Negros Oriental, and Siquijor would be required to set up emergency response team, "quick or priority lanes" and isolation rooms for patients suspected to be afflicted with measles, including the rural health and municipal health units.
- f. Set-up "vaccination stations" in various areas in Central Visayas to curb the rising cases of measles.
- g. Activated the DOH Central Visayas Centers for Health Development (CV CHD) Operations Center, established Operations Center in each province, and organized Incident Command System structure.
- h. Crafted and disseminated the regional guidelines for Measles Outbreak Response Immunization.
- i. Conducted a coordinative meeting of all concerned program coordinators and DMOs.
- j. Established vaccination posts in DOH CV CHD grounds, fast lanes in all DOH hospitals, and intensified disease surveillance.
- k. Coordinated with DepEd, Office of the Presidential Assistant to the Visayas, and Governor's Office in the Cebu Province.
- l. Intensified information dissemination through reproduction of IEC Materials such as prints, broadcasts, and social media; and conducted press conference attended by the different broadcast networks.
- m. Visited Vicente Sotto Memorial Medical Center (VSMMC) for establishment of fast lanes and isolation rooms with media.
- n. Coordinated with PNP, AFP Medical Services, and BOQ.
- o. Conducted ceremonial vaccination at the DOH CV CHD vaccination post with media coverage.
- p. Facilitated the mobilization and demobilization, communication, documentation, and logistics of the following:
 - Preparation of teams for the mobilization of DOH CV CHD personnel as augmentation to LGUs.
 - Conduct of OPCEN meeting for the preparation of mobilization.
 - Pre-deployment orientation scheduled on 14 and 18 February 2019.
 - Conduct of disease surveillance in each of the DOH Hospitals by RESU 7
 - Coordinate with the regional Philippine Medical Association, Philippine Pediatric Society (PPS) and Philippine Academy of Family Physicians (PAFP)
 - Assess measles fast lane implementation in hospitals
 - Update the CV CHD Official Facebook Page on the schedule of vaccination post and added relevant information regarding the ORI.
 - Deployment of teams for augmentation in every city and municipality
 - Conduct of a command conference on 26 February 2019.
 - Conduct of inventory of logistical support for vaccination and team deployment.
 - Form separate isolation rooms for adults and minors with measles.
 - Conduct lecture among Visayas Community Medical Center (VCMC) Pediatric Residents.
 - Conduct region-wide massive vaccination focused on areas with high number of measles cases.
 - Conduct Orientation on Measles Outbreak Response Immunization Guideline and Reporting Firms for Deployed Human Resource for Health.

- Conduct meeting on the Updates for Measles Outbreak Response Immunization for selected DMOs and Area Coordinators on 04 March 2019.
- Designate the Measles Control Officer and 2 Measles ORI Focal Persons.
- Coordinate with Philippine Pediatric Society (PPS), Philippine Academy of Family Physicians (PAFP) and Philippine College of Physicians (PCP) for the submission of reports from private clinics.
- Consolidate reports per province and HUCs and submitted daily reports to HEMB, EB, and Ligtas Tigdas Team.
- Conduct inventory of logistical support for vaccination and team deployment.
- Augment logistics to different LGUs.

DEPED VII

Disseminated IEC materials to all elementary and high school teachers in the region.

7. RDRRMC VIII

OCD VIII

Coordinated with the DOH-HEMS Operations Center and monitored measles cases in the AOR.

DOH VIII

- a. Intensified surveillance activities to identify and report all possible measles-rubella cases/suspects.
- b. Facilitated the collection of blood specimen.
- c. Reviewed the measles immunization coverage in the community.
- d. Reinforced IEC campaign on the importance of immunization.

DOH VIII Regional Epidemiology Surveillance Unit (RESU)

- a. Coordinated with downlines in intensifying surveillance activities, identifying, and reporting all possible measles-rubella cases/suspects.
- b. Facilitated the collection of blood specimen.
- c. Reviewed the measles immunization coverage in the community and if the measles immunization coverage is less than 95%, a catch-up immunization campaign is conducted.
- d. Reinforced IEC campaign on the importance of immunization to LGUs.

DOH VIII National Immunization Program (NIP)

- a. Initiated regionwide Measles Outbreak Response Immunization (ORI) to all provincial health offices, rural health units, city health units, DOH retained hospitals, and public and private hospitals in the region.
- b. Encouraged hospitals to establish measles fast lanes such as EVRMC and Divine Word Hospital which established fast lanes on 11 February 2019.
- c. Informed LGUs on the ongoing measles outbreak through formal letter.
- d. Issued Regional National Immunization Program Advisory.
- e. Conducted press conference and information dissemination through quad-media.
- f. Entered into a partnership and collaboration with the Philippine Pediatric Society (PPS-EV) in the conduct of community-outreach.
- g. Augmented Measles Rubella (MR) and Measles Mumps Rubella (MMR) vaccines to provinces health offices, city health offices, and hospitals based on request issuance slip dated from 08 until 12 February 2019 with MR vaccine amounting to ₱1,232,082.40.00 and MMR vaccine worth ₱1,675, 975.00.

DOH VIII Health Education and Promotion Office (HEPO)

- a. Distributed IEC and Measles infomercials to all HEPOs in the LGU including Hospitals.
- b. Conducted Information dissemination through quad-media approach of measles prevention and intervention.
- c. Conducted Press Conference on measles update.
- d. Developed Risk Communication Plan for Measles.
- e. Underwent radio/TV guesting for information of Measles Update.

DOH VIII Health Emergency Management Service (HEMS)

- a. Organized Regional Incident Management Team.
- b. Declared Code White Alert on 11 February 2019 until lifted.
- c. Disseminated alert information to down lines.
- d. Assigned HEM OpCen on duty during weekends and consolidated data received from downlines.
- e. Coordinated with provinces and cities on measles update.
- f. Facilitated series of coordinative meeting on measles and dengue with the communicable disease unit, immunization program, and concerned division heads.

Center for Health Development Metro Manila (CHDMM)

- a. Established Measles Outbreak Response Immunization Drive in 17 NCR LGUs of which, a total of 205,527 persons were vaccinated
- b. Established measles fast lanes in the 26 hospitals within the region
- c. Placed MMCHD and DOH Hospital in Code White Alert
- d. Conducted coordination meetings with Barangay officials, Red Cross, and Local Chief Executives
- e. Established immunization posts in areas where children congregate such as but not limited to hospitals, churches, and fast food chains.
- f. Established Key Strategies on Measles Outbreak Response as follows:
 - Monitoring Surveillance
 - Public Awareness and Education
 - Vaccination
 - Care for the Sick
- g. Implemented Outbreak Response Immunization at LGUs.

8. RDRRMC X**DOH X**

- a. Activated Code Blue Alert in both outbreaks of Dengue and Measles and intensified vaccination efforts in coordination with the LGUs and National Agencies.
- b. Conducted information dissemination campaign on both Dengue and Measles in coordination with the LGU.
- c. Conducted activities designed to alleviate and prevent the spread of both Measles and Dengue.
- d. Coordinated with OCD X on the actions taken and attended the quarterly Response Committee Meetings and Full Council Meeting regarding Dengue and Measles Outbreaks.

9. MMDRRMC**OCD NCR**

- a. Coordinated with MMCHD re actions taken on measles outbreak.

- b. Conducted MMDRRMC special meeting re measles outbreak on 19 February 2019.

MMCHD

- a. Established the Measles Outbreak Response Immunization drive in the 17 NCR Local Government Units (LGUs).
 - b. Recorded a total of 133,371 individuals who were given measles containing vaccines (MCV) of which, 77,658 individuals were administered through community-based immunization (CBI) and 4,984 school-based immunization (SBI), respectively. As of 08 March 2019, a total of 321,572 individuals were vaccinated.
 - c. 26 hospitals in NCR established measles fast lanes.
 - d. Conducted coordination meetings with LGUs.
 - e. Created measles task force, Philhealth coverage of measles cases, and Regional Order for augmentation.
 - f. Declared Code White Alert in MMCHD and DOH Hospitals.
 - g. Conducted orientation on Human Resources for Health (HRH).
 - h. Deployed HRH to LGUs.
 - i. Attended the MMDRRMC Special Meeting re Measles Outbreak.
 - j. Conducted door-to-door immunization in all identified high-risk areas and fixed post immunization until 15 March 2019.
 - k. Established immunization posts in areas where children congregate such as but not limited to hospitals, churches, fast food chains, and covered court.
 - l. Conducted rapid coverage assessment/mop-up activities.
 - m. Conducted coordination meetings with Barangay, Red Cross and Local Chief Executives (LCEs) at the Office of the Health Secretary.
 - n. Conducted massive information dissemination and campaign on quadri-media.
 - o. Deployed MMCHD personnel to all LGUs to conduct ORI by setting-up vaccination posts.
 - p. Established Key Strategies on Measles Outbreak Response as follows:
 - Monitoring Surveillance
 - Public Awareness and Education
 - Vaccination
 - Care for the Sick
 - q. Implemented the Outbreak Response Immunization at LGUs.
 - r. Updated the Measles Outbreak Response Catch-up Plan and conducted the Rapid Coverage Assessment (RCA) at the end of Measles Outbreak Response Immunization (MORI) implementation.
 - s. Conducted orientation on Rapid Coverage Assessment (RCA) for MMCHD Employees.
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