



## Event-based Surveillance and Response Monthly Report for June 2021

### Summary of Health Events June 1 - 30, 2021

- A total of 979 HE<sup>1</sup> was captured and verified by EB-ESR Unit from June 1 to 30, 2021
- Of these, 538 (55%) were reported as acute public health threats and disseminated to stakeholders nationwide
- Region VIII had the most (182, 19%) number of captured HE<sup>1</sup>, followed by Region XII (149, 15%) and Region IX (139, 14%)
- Majority of reported HE<sup>1</sup> by EB-ESRU were EREID<sup>4</sup> (446, 83%) followed by AEFI<sup>7</sup> (54, 10%) and Zoonotic diseases (16, 3%)
- Majority (468, 87%) of the status of verified HE<sup>1</sup> are ongoing

CAPTURE	No.	%
<b>Total no. of HE<sup>1</sup> captured:</b>	979	
<b>Source:</b>		
DOH	875	89%
Internet	4	0.4%
Others	100	10%
<b>Total</b>	979	100%
<b>Regions with most no. of captured HE<sup>1</sup>:</b>		
Region VIII	182	19%
Region XII	149	15%
Region IX	139	14%
<b>Means of capture:</b>		
Active	26	3%
Passive	953	97%
<b>Total</b>	979	100%

VERIFICATION of HE <sup>1</sup>	No.	%
Verified by EB-ESRU	26	5%
Verified by RESU <sup>2</sup>	413	77%
Verified by IHR <sup>3</sup> focal units	99	18%
Others	0	0%
<b>Total</b>	538	100%
<b>Health Event Classification:</b>		
EREID <sup>4</sup>	446	83%
AEFI <sup>7</sup>	54	10%
Zoonotic Diseases	16	3%
FWBD <sup>6</sup>	13	2%
VPD <sup>5</sup>	6	1%
Chemical- Related	2	0.37%
Vectorborne Diseases	1	0.18%
<b>Total</b>	538	100%

VERIFICATION (cont'd)	No.	%
<b>Status:</b>		
Ongoing	468	87%
Controlled	48	9%
Closed	22	4%
<b>Total</b>	538	100%

ASSESSMENT	No.	%
<b>Level of Concern:</b>		
PHELC <sup>8</sup>	82	15%
PHERC <sup>9</sup>	0	0%
PHENC <sup>10</sup>	402	75%
PHEIC <sup>11</sup>	54	10%
<b>Total</b>	538	100%

RESPONSE	No.
No. of HE <sup>1</sup> with local response	979
No. of investigated by FETP <sup>14</sup> Fellows	0

FILTER	No.	%
Reported	538	55%
Filtered	441	45%
FYI	0	0.0%
<b>Total</b>	979	100%

Top regions with verified reported HE <sup>1</sup> :	No.	%
Region VIII	85	16%
Region IX	68	13%
Region V	53	10%

FEEDBACK & INFORMATION DISSEMINATION	No.
This month	538
YTD <sup>13</sup>	3,484

### Regional Distribution of Health Events

Region	No. of captured HE <sup>1</sup> (June 2021)	VERIFIED HEALTH EVENTS						STATUS (this month)			ASSESSMENT (this month)				Total no. of HE <sup>1</sup> responded locally (this mo.)	Total no. of HE <sup>1</sup> with feedback to RO <sup>12</sup> (this mo.)
		2021			2020			Closed	Controlled	Ongoing	PHELC <sup>8</sup>	PHERC <sup>9</sup>	PHENC <sup>10</sup>	PHEIC <sup>11</sup>		
		June	Past 3 months	YTD <sup>13</sup>	June	Past 3 months	YTD <sup>13</sup>									
Passive	953	512	1630	2602	106	212	810	22	48	442	79	0	379	54	953	512
Region 1	14	6	11	17	1	0	13	3	0	3	3	0	3	0	14	6
Region 2	63	34	92	146	7	2	30	0	9	25	11	0	20	3	63	34
Region 3	15	14	48	95	8	3	33	0	4	10	9	0	5	0	15	14
Region 4A	3	2	25	43	7	1	19	0	1	1	1	0	1	0	3	2
Region 4B	6	4	5	10	3	0	11	0	0	4	2	0	2	0	6	4
Region 5	58	53	158	229	3	2	13	5	10	38	9	0	44	0	58	53
Region 6	40	34	131	207	10	3	64	1	4	29	4	0	24	6	40	34
Region 7	3	2	9	23	6	0	25	1	0	1	2	0	0	0	3	2
Region 8	182	85	102	210	6	0	16	0	4	81	0	0	82	3	182	85
Region 9	139	68	159	246	6	3	16	1	2	65	1	0	64	3	139	68
Region 10	22	17	101	128	5	1	33	3	1	13	17	0	0	0	22	17
Region 11	24	24	92	137	2	6	35	4	0	20	5	0	16	3	24	24
Region 12	149	9	75	94	4	11	65	2	3	4	5	0	1	3	149	9
Caraga	28	27	33	74	1	1	27	0	6	21	6	0	4	17	28	27
BARMM	14	5	13	20	5	4	18	1	0	4	1	0	3	1	14	5
CAR	89	27	57	94	4	1	19	1	4	22	2	0	25	0	89	27
NCR	5	2	27	42	8	20	102	0	0	2	1	0	0	1	5	2
IHR	99	99	468	739	20	46	88	0	0	99	0	0	85	14	99	99
Others	0	0	24	48	0	108	183	0	0	0	0	0	0	0	0	0
Active	26	26	359	882	72	4	101	0	0	26	3	0	23	0	26	26
<b>Total</b>	<b>979</b>	<b>538</b>	<b>1,989</b>	<b>3,484</b>	<b>178</b>	<b>216</b>	<b>911</b>	<b>22</b>	<b>48</b>	<b>468</b>	<b>82</b>	<b>0</b>	<b>402</b>	<b>54</b>	<b>979</b>	<b>538</b>

- Legend:
- 1 Health Event
  - 2 Regional Epidemiology and Surveillance Unit
  - 3 International Health Regulations
  - 4 Emerging and Re-emerging Infectious Diseases
  - 5 Vaccine Preventable Diseases
  - 6 Food and Water-borne Diseases
  - 7 Adverse Event Following Immunization
  - 8 Public Health Event of Local Concern
  - 9 Public Health Event of Regional Concern
  - 10 Public Health Event of National Concern
  - 11 Public Health Emergency of International Concern
  - 12 Regional Office
  - 13 Year to date
  - 14 Field Epidemiology Training Program

# Featured Event-based Surveillance and Response (ESR) Activity for this Month June 2021

## Diarrhea Outbreak in Brgy. Pasion, Monkayo, Davao De Oro

- A total of 343 cases and 5 deaths from diarrhea was detected on June 19, 2021
- Age range: 3 days old – 88 years old (Median: 45 years)
- Majority (188, 55%) cases are female
- Common signs and symptoms: diarrhea (310, 91%), abdominal pain (42, 12%), vomiting (16, 5%), presence of gastric bubble (7, 2%), distended abdomen (5, 1%), fever (3, 0.9%), borborygmus (2, 0.6%), and jaundice (1, 0.3%)
- 11 (3%) cases were admitted at Davao de Oro Provincial Hospital

**Details on the deaths (n=5):**

On June 8 - 18, 2021, 5 cases died

Cause of death:

**Case A:** Multiple Electrolyte Imbalance, Acute Kidney Injury, and Acute Gastroenteritis with Severe Dehydration

**Case B:** Severe Dehydration

Other information still for verification

**Laboratory details:**

**Water Sampling Analysis for Bacteriology (on 3 sites):**

PAWASA reservoir (2 sites): Presence of Coliform (Failed)  
Water refilling station: Passed

**2nd Water Sampling Analysis for Bacteriology**

PAWASA reservoir (2 sites): Presence of Coliform (Failed)

**3rd Water Sampling Analysis for Bacteriology**

PAWASA reservoir (2 sites): Passed

**4th Water Sampling Analysis for Bacteriology and Chemical Water Sampling Analysis**

PAWASA reservoir (3 sites): Awaiting for results

**Chemical Water Sampling Analysis:** no presence of Cyanide

**Stool Culture: (n=10)**

*Klebsiella pneumoniae* – 4 cases

*Vibrio cholerae* – 3 cases

Other pathogens found: *Citrobacter freundii*, *Aeromonas veronii*, *Morganella morganii*, *Kluyvera cryocrescens*, *Proteus mirabilis*, *Proteus penneri*, *Sphingomonas*, *Serratia fonticola*, *Enterobacter cloacae*, *Acinetobacter ursingii*, and *Raoultella ornithinolytica*

Awaiting laboratory results for 2 cases

**Fecalysis: (n=53)**

*Entamoeba histolytica* – 8 cases

*Escherichia coli* – 8 cases

Other pathogens found: Hookworm, Heterophyids, *Ascaris ova*, and *Giardia lamblia* cyst

- Mandated the Barangay Officials to temporarily close the reservoir and advised residents to avoid drinking water directly from the reservoir
- Conducted disinfection/cleaning of 2 PAWASA reservoir
- Informed Provincial Health Office – Davao de Oro and RESU Davao

**Provincial Health Office - Davao de Oro**

Conducted 3rd Water Sampling Analysis for Bacteriology on the 2 PAWASA reservoir sites with passed results

**RESU Davao**

Verified the health event

Conducted case investigation

Facilitated water sampling analysis

Coordinated with Municipal Health Office Monkayo, MESU Monkayo and PESU Davao de Oro

Informed Epidemiology Bureau

**DPCH - Infectious Diseases Division (FWBD)**

- Provided Diarrhea Management Guidelines, related issuances, and drinking water safety standards to CHD-Davao Region
- Provided the following recommendations to CHD-Davao Region
  - To conduct FWBD attitude assessment such as knowledge and skill among community members - can be outsourced to academic institutions as part of public-private partnership or part of the graduate schools program of colleges and universities
  - To gather or collect researches on FWBD in the region to be used as the basis for the development of regional policies/guidelines that are locally appropriate based on their unique context and setting
  - To review the food and water safety standards in the region
- Coordinated with CHD-Davao Region for any assistance needed (such as Hyposol and Aquatabs)
- Coordinated with HEMB for availability of Hyposol and Aquatabs
- Prepared allocation list for 16 boxes of Aquatabs and 310, 000 tablets (buffer stock) of Ciprofloxacin at Metropac Warehouse for Region XI and other regions.
- The computation was based on the trend of Acute Bloody Diarrhea, Typhoid Fever, and Cholera reported by the EB - Philippine Integrated Disease Surveillance and Response (PIDSR) as of Morbidity Week 15 (January 1 - April 17, 2021)
- Coordinated with EB

**Recommendations:**

- To conduct an epidemiologic investigation
- To continue monitoring the event

**Actions Taken:**

**Andres Medical Center, Miguel O. Cabrera Sr. Memorial Hospital, Davao de Oro Province Hospital**

- Managed cases
- Collected stool specimens for laboratory testing

**Southern Philippines Medical Center**

- Facilitated specimen collection
- Conducted Water Sampling Analysis for Bacteriology

**Science Resource Center of the University of Immaculate Conception**

- Conducted Chemical Water Sampling Analysis

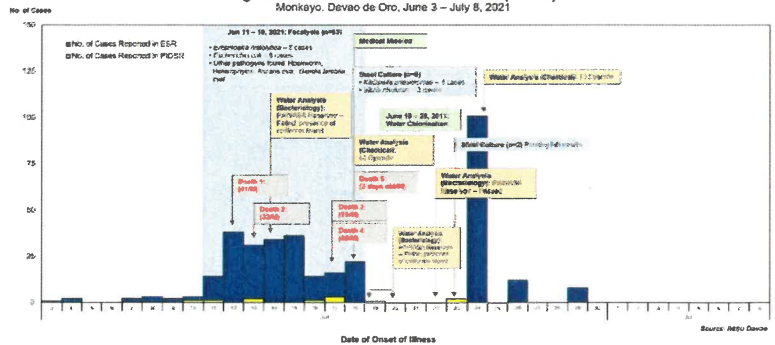
**Red Cross - Davao de Oro**

- Provided water supply to the affected areas started last June 19, 2021

**Municipal Health Office - Monkayo**

- Conducted investigation and active surveillance
- Ongoing monitoring of cases
- Initiated a medical mission in the affected area
- Provided logistics and IEC
- Collected water samples for testing

**Figure 1. Diarrhea Outbreak Timeline (n=337)**



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