



## Event-based Surveillance and Response Quarter 2 Report, 2019 (April 1 - June 30, 2019)

### 2019 2<sup>nd</sup> Quarter Summary of Captured Health Events

- A total of 574 health events were captured and verified by EB-ESRU from April 1 - June 30, 2019
- From the 574 verified health events, 277 (48%) were reported as acute public health threats and disseminated to nationwide stakeholders
- Region 12 had the most number (96, 17%) of captured health events followed by Region 1 (60, 10%)
- The most number of reported health events by EB-ESRU were Vaccine Preventable Diseases (89, 32%) followed by Zoonotic Diseases (66, 24%)
- Majority (109, 39%) of the status of health events are ongoing

CAPTURE			VERIFICATION of TRUE HE <sup>1</sup>			VERIFICATION (cont'd)		
No.	%		No.	%		No.	%	
Total no. of HE <sup>1</sup> captured:			574			Status:		
Source:			Verified by EB-ESRU			Ongoing		
DOH	545	95%	Verified by RESUs <sup>2</sup>			109		
Internet	1	0%	Verified by IHR <sup>3</sup> focal units			101		
Others	28	5%	Others			67		
Total	574	100%	Total			277		
Regions with most no. of captured HE <sup>1</sup> :			Disease Classification of True HE <sup>1</sup> :			ASSESSMENT		
Region 12	96	17%	VPD <sup>5</sup>			Level of Concern:		
Region 1	60	10%	Zoonotic Diseases			PHELC <sup>7</sup>		
Region 6	57	10%	Food and Water-borne Dse.			PHERC <sup>8</sup>		
Means of Capture:			Maternal Death			PHENC <sup>9</sup>		
Active	1	0.4%	Vector-borne Diseases			PHEIC <sup>10</sup>		
Passive	276	99.6%	Chemical-related Diseases			Total		
Total	277	100%	Meningococcal Diseases			277		
FILTER			AIDS <sup>6</sup> -related			RESPONSE		
Reported	277	48%	EREID <sup>4</sup>			No. of HE <sup>1</sup> with local response		
Filtered	277	48%	Others			277		
FYI	20	3%	Total			No. investigated by FETP <sup>13</sup>		
Total	574	100%	Top regions with verified HE <sup>1</sup> :			6		
			Region 12			Fellows		
			Region 6			FEEDBACK MADE TO RO <sup>11</sup>		
			NCR			This quarter		
						574		
						YTD <sup>12</sup>		
						1373		

### Regional Distribution of Captured Health Events

Region	No. of captured (2nd QTR 2019)	VERIFIED AS TRUE HEALTH EVENTS				STATUS (1st QTR 2019)			ASSESSMENT (1st QTR 2019)				Total no. of Health Events responded locally (2nd QTR 2019)	Total no. of HE with feedback to Regional Office (2nd QTR 2019)	
		2nd QTR 2019	1st QTR 2019	2nd QTR 2018	1st QTR 2018	Closed	Controlled	On-going	PHELC <sup>7</sup>	PERC <sup>8</sup>	PHENC <sup>9</sup>	PHEIC <sup>10</sup>			
Passive															
Region 1	60	7	12	39	36	3	3	1	7	0	0	0	60	60	
Region 2	21	7	13	26	12	2	1	4	7	0	0	0	21	21	
Region 3	36	20	14	82	107	6	10	4	16	4	0	0	36	36	
Region 4A	17	11	9	61	216	1	5	5	4	7	0	0	17	17	
Region 4B	10	5	4	12	12	1	1	3	5	0	0	0	10	10	
Region 5	41	20	32	29	40	8	5	7	18	2	0	0	41	41	
Region 6	57	34	40	70	62	30	2	2	33	1	0	0	57	57	
Region 7	18	10	9	18	15	2	5	3	9	1	0	0	18	18	
Region 8	30	11	16	20	23	5	3	3	11	0	0	0	30	30	
Region 9	17	6	14	18	16	5	0	1	6	0	0	0	17	17	
Region 10	13	7	3	14	8	2	0	5	7	0	0	0	13	13	
Region 11	24	9	5	3	15	2	2	5	9	0	0	0	24	24	
Region 12	96	39	39	26	69	18	11	10	39	0	0	0	96	96	
Caraga	28	17	27	30	28	10	4	3	17	0	0	0	28	28	
ARMM	2	2	0	5	10	0	2	0	2	0	0	0	2	2	
CAR	17	9	2	21	10	0	0	9	7	2	0	0	17	17	
NCR	52	28	36	278	763	6	9	13	22	6	0	0	52	52	
IHR	28	28	34	5	3	0	1	27	0	0	28	0	28	28	
Others	6	6	9	0	0	0	2	4	6	0	0	0	6	6	
Sub-total	573	276	318	757	1445	101	66	109	225	23	28	0	573	573	
Active	1	1	2	1	2	0	1	0	1	0	0	0	1	1	
Total	574	277	320	758	1447	101	67	109	226	23	28	0	574	574	

#### Legend:

- Health Event
- Regional Epidemiology and Surveillance Unit
- International Health Regulations
- Emerging and Re-emerging Infectious Diseases
- Vaccine Preventable Diseases

- Acquired Immune Deficiency Syndrome
- Public Health Event of Local Concern
- Public Health Event of Regional Concern
- Public Health Event of National Concern
- Public Health Emergency of International Concern

- Regional Office
- Year to date
- Field Epidemiology Training Program

## Featured Event-based Surveillance and Response (ESR) Report for this Quarter

### Confirmed *Streptococcus pneumoniae* DNA Death in Biñan City Jail, Biñan City, Laguna

- EB-ESRU reported the event on April 7, 2019
- On April 8, 2019, FETP fellows and EB-ESRU Officers conducted an epidemiologic investigation
- Case was 23 years old, female
- On March 31, 2019, case was detained at the Female Custodial City Jail in Biñan City Jail, Biñan City, Laguna
- Signs and symptoms: fever, non-productive cough, change in sensorium, seizure, petechial, and purpuric rashes
- On April 6, 2019, case was brought to *Ospital ng Biñan*; case was then referred to RITM
- On the same day, case expired
- Laboratory details: Gram Stain (skin scrapings): Positive for *Gram-negative diplococci*, Meningococcal PCR (serum): Positive for *Streptococcus pneumoniae* DNA and Negative for *Neisseria meningitidis* Z



### Dengue Outbreak in Brgy. Alas-Asin, Mariveles, Bataan

- EB-ESRU reported the event on March 22, 2019
- On April 5, 2019, FETP fellows conducted an epidemiologic investigation
- A total of 94 cases were identified with no deaths reported
- Age range: 23 - 67 years old (Median: 45 years)
- All cases were males
- The most affected age group was 41 - 50 years old
- Cases started to appear on February 26, 2019 and peaked on March 11 - 17, 2019
- 46 (49%) cases tested positive for Dengue NS11



### Diarrhea Cases in Impasugong, Bukidnon

- EB-ESRU reported the event on May 15, 2019
- On May 16, 2019, FETP fellows conducted an epidemiologic investigation
- A total of 235 cases were identified, no deaths reported
- All cases participated in a conference
- Age range: 1 - 79 years old (Median: 20 years)
- Signs and symptoms: diarrhea, vomiting, abdominal cramps, and fever
- Unprotected spring water was used for drinking located approx. 500 meters from an open uncemented pit where septic tank waste is being dislodged
- Water samples tested positive for *Aeromonas* species
- A total of 5 (11%) out of 47 rectal swabs tested positive for *Aeromonas* species, 3 (6%) for *Staphylococcus aureus*, and 1 (2%) for Methicillin-resistant *Staphylococcus aureus*



Unprotected Spring

Open, Uncemented Pit

### Clustering of Suspect Typhoid Cases in Panabo City, Davao del Norte

- EB-ESRU reported the event on May 3, 2019
- On May 6, 2019, FETP fellows conducted an epidemiologic investigation
- A total of 30 cases were identified
- Signs and symptoms: fever, body malaise, headache, and anorexia
- Age range: 1 - 74 years old (Median: 13 years)
- Most (11, 37%) affected age group was 1 - 10 years old
- Majority (17, 56%) are females
- 11 out of 18 barangay were affected. Purok 2 had the highest attack rate (57 per 1,000 population)
- Laboratory details: 47 (37%) cases tested positive on Widal Test, 10 (8%) cases tested positive for *Aeromonas caviae*, 2 (1%) cases tested positive for *Aeromonas hydrophilia*, 1 (1%) case tested positive for *Aeromonas veronii biovar sobria*, 1 (1%) case tested positive for *Vibrio cholera non-01/ non-0139*, 1 (1%) case tested positive for *Vibrio parahaemolyticus* 04, and 2 *Aeromonas caviae* organisms tested resistant for Sulfamethoxazole



### Hepatitis B Infection in Cabadbaran City, Agusan del Norte

- EB-ESRU reported the event on May 7, 2019
- On May 20, 2019, FETP fellows conducted an epidemiologic investigation
- A total of 40 confirmed Hepatitis B cases were reported
- Cases were detected during the annual medical examination in the banana plantation
- All cases were asymptomatic
- Age range: 25 - 58 years old (Median: 38 years)
- Majority (36, 90%) are males
- During active case finding, 20 (50%) of cases got tattoo through unsterilized needle for tattooing
- All cases tested positive for HbsAg Test





## Featured Event-based Surveillance and Response (ESR) Activities for this Quarter

### ESR Program Implementation Review (PIR) and Finalization of Enhanced ESR Manual of Procedures (MOP)



- Representatives from Research Institute for Tropical Medicine (RITM), Bureau of Animal Industry (BAI), Bureau of Fisheries and Aquatic Resources (BFAR), and National Meat Inspection Service (NMIS) together with representatives from 16 Regional Epidemiology and Surveillance Units (RESU) attended the ESR Program Implementation Review (PIR) and Finalization of Enhanced ESR Manual of Procedures (MOP) on May 20 - 24, 2019 at Red Hotel, Cubao

### Basic Epidemiology Training for Disease Surveillance Officers in Central Visayas Center for Health Development

- On June 18 - 20, 2019, Central Visayas Center for Health Development conducted a Basic Epidemiology Training for Disease Surveillance Officers
- Ms. Denisse Manalili and Ms. Lindsay Tegrado of EB, Mr. Alireza Faiyaz of City Health Office - Antipolo and Mr. Jasper Kent Ola of Research Epidemiology Surveillance and Disaster Response Unit (RESDRU) of CHD Northern Mindanao were invited as resource speakers
- Topics discussed were Introduction to Public Health and Field Epidemiology, Public Health Surveillance, Overview of the Surveillance Systems (PIDSR and ESR), Concepts of Disease Occurrence, Measures of Disease Frequency, Data Analysis and Presentation, and Steps in Epidemiologic Investigation
- A total of 17 Disease Surveillance Officers from Regional Epidemiology and Surveillance Unit (RESU), Siquijor, Negros Oriental, and Bohol successfully completed the training

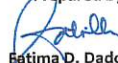


### RESU Summit in Zamboanga Peninsula Center for Health Development

- On June 19 - 22, 2019, Zamboanga Peninsula Center for Health Development organized the annual RESU Summit with the theme of "RESU beyond Borders" at Grand Astoria Hotel, Zamboanga City
- A total of 120 disease surveillance officers from across the region attended
- Dr. Ferchito Avelino, Dr. Ivy Iturralde, Ms. Denisse Manalili, and Ms. Aena Besilia of EB were invited as resources speakers of the said event



Prepared by:

  
Fatima D. Dado, RN  
ESR Officer, AEHMD


Reviewed by:

  
Mariz Zheila C. Blanco, RN  
Senior Health Program Officer, AEHMD

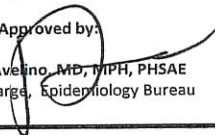
Noted by:

  
Herdie L. Hizon  
Supervising Health Program Officer, AEHMD

Vikki Carr D. de los Reyes, MD, PHSAE  
FETP Training Officer, AEHMD

  
Ma. Nemia L. Sucaldito, MD, PHSAE  
Chief, Applied Epidemiology and Health Management Division

Approved by:

  
Ferchito L. Avelino, MD, MPH, PHSAE  
Officer-In-Charge, Epidemiology Bureau

