



# Epidemiology Bureau Department of Health

Building No. 19, 3<sup>rd</sup> Floor, San Lazaro Compound, Rizal Avenue, Sta. Cruz, Manila  
Telephone no.: (02) 8651-7800 loc. 2955 (EB), 1939 (KMITS)



## Fireworks-Related Injury Surveillance 2019

“OPLAN: Iwas Paputok, Iwas Putol, Community Fireworks Display ang Patok!”

Sentinel Report Number 12

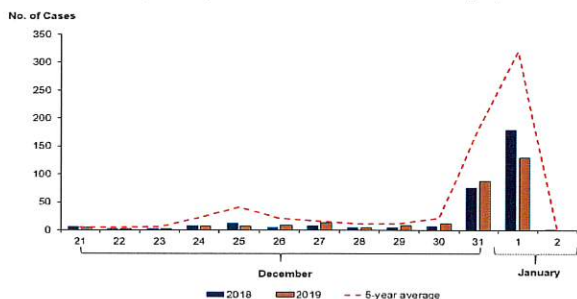
As of 6:00 AM, January 2, 2020

### Injury Registry Update of Sentinel Hospitals

There were 124 additional cases of fireworks-related injuries reported by the 61 sentinel hospitals. These bring the total to 288 from 6:00 AM of December 21, 2019 to 5:59 AM of January 2, 2020. This year's cases is 25 (8%) cases lower when compared to same time period in 2018 (N=313) and 57% lower from the five-year average (2014-2018) of 664 cases, same time period (Figure 1).

Figure 1. Fireworks-Related Injuries by Date of Injury (N=288)

As of 6:00 AM, Jan. 2, 2020 vs 2018 vs 5-Year Average (2014-2018)\*



\*Reports include data from 6:00 AM of Dec. 21 to 5:59 AM of date of reporting  
Source: Online National Electronic Injury Surveillance System Data

These were all injuries due to fireworks. No stray bullet injury or firework ingestion reported. No death reported. Most injuries were reported from the National Capital Region (NCR), Region VI, Region I, and CALABARZON (Table 1). In NCR, injuries occurred in Caloocan, Las Piñas, Makati, Malabon, and Mandaluyong City.

Table 1. Distribution of Injuries per Region (N=288)

As of 6:00 AM, Jan. 2, 2020

Region	Injuries due to	Fireworks Ingestion	Stray Bullet	Total	
				No.	%
NCR	143	0	0	143	50
VI	29	0	0	29	10
I	26	0	0	26	9
CALABARZON	22	0	0	22	8
III	19	0	0	19	7
II	13	0	0	13	5
VII	13	0	0	13	5
V	10	0	0	10	3
XII	4	0	0	4	1
MIMAROPA	2	0	0	2	1
VIII	2	0	0	2	1
CAR	2	0	0	2	1
IX	1	0	0	1	0.35
X	1	0	0	1	0.35
XI	1	0	0	1	0.35
BARMM	0	0	0	0	0
CARAGA	0	0	0	0	0
<b>Total</b>	<b>288</b>	<b>0</b>	<b>0</b>	<b>288</b>	<b>100</b>

### A. Injuries due to Fireworks

Two hundred one (70%) were males. Age ranged from 11 months to 72 years old (Median: 13). Two hundred eleven (73%) had blast/burn injuries not requiring amputation, 70 (24%) had eye injuries, and 10 (3%) had blast/burn injury requiring amputation. Of the 288 cases, three had multiple injuries.

One hundred seventy-two (60%) injuries were due to legal fireworks. The top fireworks involved were kwitis, fountain, luces, piccolo, and triangle (Table 2).

Table 2. Top Fireworks Involved

As of 6:00 AM, Jan. 2, 2020

Fireworks	No.	Percent
Kwitis	63	22
Fountain	32	11
Luces	32	11
Piccolo*	17	6
Triangle*	13	5

\*Illegal or prohibited

One hundred seventy (59%) were passive cases. One hundred sixty-six (58%) occurred in the street. Most cases sustained injury to the hand and eye (Table 3).

Table 3. Top Anatomical Sites of Injuries due to Fireworks

As of 6:00 AM, Jan. 1, 2020

Anatomical Part	No.	Percent
Hand	96	33
Eye	70	24
Head	40	14
Legs	29	10
Forearm/Arm	25	9

### B. Fireworks Ingestion

There was no reported case of fireworks ingestion.

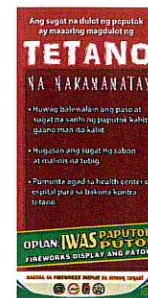
### C. Stray Bullet Injury

There was no reported case of stray bullet injury.

### Status of Reporting Sentinel Hospitals

There were 53 (87%) hospitals with reports submitted (Table 4). Thirty-three sentinel hospitals had new cases. Eight (13%) did not submit a report (Table 5).

“Kapag naputukan,  
agad magpakonsulta  
upang tetano ay maiwasan!”



Prepared by:

Ma. Kasmira P. Maramag, RN  
Richelle P. Abellera, RN  
Karla May S. Manahan, RN  
Ludina L. Insigne, MD  
Nolie L. Rimando, DMD

Jessica M. Gagadas, MD  
Ma. Ivy Rozeth S. Iturralde, MD  
Eugenia Mercedes R. Canal, MD  
Francis T. Guimptan, RN

Reviewed by:

Herdie L. Hizon  
Data Integrity Manager

Noted by:

Alethea R. De Guzman, MD, MCHM, PHSAE  
Field Epidemiology Training Program, Training Officer

Vikki Carr D. de los Reyes, MD, PHSAE  
Field Epidemiology Training Program, Training Officer

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

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

Disclaimer: Figures from the previous reports may differ due to late reports submitted and further verification. Some of the percentages may not add up to 100 due to rounding off of numbers.

**Table 4. Distribution of Injuries by Sentinel Hospital (N=288)**  
*Fireworks-Related Injury Surveillance, as of 6:00 AM January 2, 2020*

Hospital	Injuries due to Fireworks		FW Ingestion		Stray Bullet Injuries		TOTAL	
	No.	%	No.	%	No.	%	No.	%
Amang Rodriguez Medical Center	18	6	0	0	0	0	18	6
Baguio General Hospital and Medical Center	2	1	0	0	0	0	2	1
Batangas Medical Center	3	1	0	0	0	0	3	1
Bicol Medical Center	7	2	0	0	0	0	7	2
Bicol Regional Training and Teaching Hospital	3	1	0	0	0	0	3	1
Cagayan Valley Medical Center	5	2	0	0	0	0	5	2
Capitol Medical Center	1	0.35	0	0	0	0	1	0.35
Caraga Regional Hospital	0	0	0	0	0	0	0	0
Cardinal Santos Medical Center	1	0.35	0	0	0	0	1	0.35
Chinese General Hospital and Medical Center	5	2	0	0	0	0	5	2
Corazon Locsin Montelibano Memorial Regional Hospital	19	7	0	0	0	0	19	7
Cotabato Regional Medical Center	0	0	0	0	0	0	0	0
Davao Regional Medical Center	1	0.35	0	0	0	0	1	0.35
Dr. Paulino J. Garcia Memorial Research and Medical Center	7	2	0	0	0	0	7	2
Dr. Victor Potenciano Medical Center	0	0	0	0	0	0	0	0
East Avenue Medical Center	7	2	0	0	0	0	7	2
Eastern Visayas Regional Medical Center	2	1	0	0	0	0	2	1
Far North Luzon General Hospital and Training Center	0	0	0	0	0	0	0	0
Gov. Celestino Gallares Memorial Hospital	5	2	0	0	0	0	5	2
Ilocos Training and Regional Medical Center	1	0.35	0	0	0	0	1	0.35
Iloilo Mission Hospital	0	0	0	0	0	0	0	0
Jose B. Lingad Memorial General Hospital	10	3	0	0	0	0	10	3
Jose R. Reyes Memorial Medical Center	26	9	0	0	0	0	26	9
Las Piñas General Hospital & Satellite Trauma Center	12	4	0	0	0	0	12	4
Lingayen District Hospital	9	3	0	0	0	0	9	3
Makati Medical Center	3	1	0	0	0	0	3	1
Mandaluyong City Medical Center	11	4	0	0	0	0	11	4
Manila Doctors Hospital	1	0.35	0	0	0	0	1	0.35
Manila East Medical Center	2	1	0	0	0	0	2	1
Mariano Marcos Memorial Hospital and Medical Center	5	2	0	0	0	0	5	2
MCU-FDT Medical Foundation Hospital	3	1	0	0	0	0	3	1
Medical Center Parañaque, Incorporated	0	0	0	0	0	0	0	0
National Children's Hospital	2	1	0	0	0	0	2	1
Northern Mindanao Medical Center	1	0.35	0	0	0	0	1	0.35
Ospital ng Maynila Medical Center	2	1	0	0	0	0	2	1
Ospital ng Palawan	1	0.35	0	0	0	0	1	0.35
Ospital ng Tondo	15	5	0	0	0	0	15	5
Philippine Children's Medical Center	0	0	0	0	0	0	0	0
Philippine Orthopedic Center	1	0.35	0	0	0	0	1	0.35
Quezon City General Hospital	10	3	0	0	0	0	10	3
Quirino Memorial Medical Center	9	3	0	0	0	0	9	3
Region 1 Medical Center	11	4	0	0	0	0	11	4
Region 2 Trauma and Medical Center	1	0.35	0	0	0	0	1	0.35
Rizal Medical Center	11	4	0	0	0	0	11	4
San Juan De Dios Educational Foundation, Inc.	0	0	0	0	0	0	0	0
South Cotabato Provincial Hospital	3	1	0	0	0	0	3	1
Southern Isabela Medical Center	6	2	0	0	0	0	6	2
Southern Philippines Medical Center	0	0	0	0	0	0	0	0
St Luke's Medical Center	2	1	0	0	0	0	2	1
St. Elizabeth Hospital, Inc.	1	0.35	0	0	0	0	1	0.35
Sulu Provincial Hospital	0	0	0	0	0	0	0	0
The Medical City	4	1	0	0	0	0	4	1
Tondo Medical Center	6	2	0	0	0	0	6	2
University of Perpetual Help Dalta Medical Center	2	1	0	0	0	0	2	1
University of Santo Tomas Hospital	0	0	0	0	0	0	0	0
UP-Philippine General Hospital	5	2	0	0	0	0	5	2
Valenzuela Medical Center	7	2	0	0	0	0	7	2
Vicente Sotto Memorial Medical Center	8	3	0	0	0	0	8	3
Western Visayas Medical Center	8	3	0	0	0	0	8	3
Western Visayas Sanitarium	2	1	0	0	0	0	2	1
Zamboanga City Medical Center	1	0.35	0	0	0	0	1	0.35
<b>Total</b>	<b>288</b>	<b>100</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>288</b>	<b>100</b>

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**Table 5. Status of Reporting and Monitoring by Region (N=288)**  
As of 6:00 AM January 2, 2020

Region	Name of Hospital	Submitted report?
I	Ilocos Training and Regional Medical Center	Yes
	Lingayen District Hospital	Yes
	Mariano Marcos Memorial Hospital and Medical Center	Yes
	Region 1 Medical Center	Yes
II	Cagayan Valley Medical Center	Yes
	Region 2 Trauma and Medical Center	Yes
	Southern Isabela Medical Center	Yes
III	Dr. Paulino J. Garcia Memorial Research and Medical Center	Yes
	Jose B. Lingad Memorial General Hospital	Yes
CALABARZON	Batangas Medical Center	Yes
	Manila East Medical Center	No
MIMAROPA	Ospital ng Palawan	Yes
V	Bicol Medical Center	Yes
	Bicol Regional Training and Teaching Hospital	Yes
VI	Corazon Locsin Montelibano Memorial Regional Hospital	Yes
	Iloilo Mission Hospital*	Yes
	Western Visayas Medical Center	Yes
	Western Visayas Sanitarium	Yes
VII	Gov. Celestino Gallares Memorial Hospital	Yes
	Vicente Sotto Memorial Medical Center	Yes
VIII	Eastern Visayas Regional Medical Center	Yes
IX	Zamboanga City Medical Center	Yes
X	Northern Mindanao Medical Center	Yes
XI	Davao Regional Medical Center	Yes
	Southern Philippines Medical Center*	Yes
XII	Cotabato Regional and Medical Center	Yes
	South Cotabato Provincial Hospital	Yes
	St. Elizabeth Hospital, Inc.	Yes
BARMM	Sulu Provincial Hospital	No
CAR	Baguio General Hospital and Medical Center	Yes
	Far North Luzon General Hospital and Training Center	Yes
CARAGA	Caraga Regional Hospital	Yes
NCR	Amang Rodriguez Medical Center	Yes
	Capitol Medical Center	Yes
	Cardinal Santos Medical Center	Yes
	Chinese General Hospital and Medical Center	Yes
	Dr. Victor Potenciano Medical Center	No
	East Avenue Medical Center	Yes
	Jose R. Reyes Memorial Medical Center	Yes
	Las Piñas General Hospital & Satellite Trauma Center	Yes
	Makati Medical Center	Yes
	Mandaluyong City Medical Center	No
	Manila Doctors Hospital	No
	MCU-FDT Medical Foundation Hospital	Yes
	Medical Center Parafaque, Incorporated	Yes
	National Children's Hospital	No
	Ospital ng Maynila Medical Center	Yes
	Ospital ng Tondo	Yes
	Philippine Children's Medical Center	Yes
	Philippine Orthopedic Center	Yes
	Quezon City General Hospital	Yes
	Quirino Memorial Medical Center	Yes
	Rizal Medical Center	Yes
	San Juan De Dios Educational Foundation, Inc.	No
	St. Luke's Medical Center	No
	The Medical City	Yes
	Tondo Medical Center	Yes
	University of Perpetual Help Dalta Medical Center	Yes
	University of Santo Tomas Hospital	Yes
UP-Philippine General Hospital	Yes	
Valenzuela Medical Center	Yes	

\*Did not submit "no case" report to ONEISS but had zero case upon monitoring by KMITS and RESU staff

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