



## Fireworks-Related Injury Surveillance 2019

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

Sentinel Report Number 10

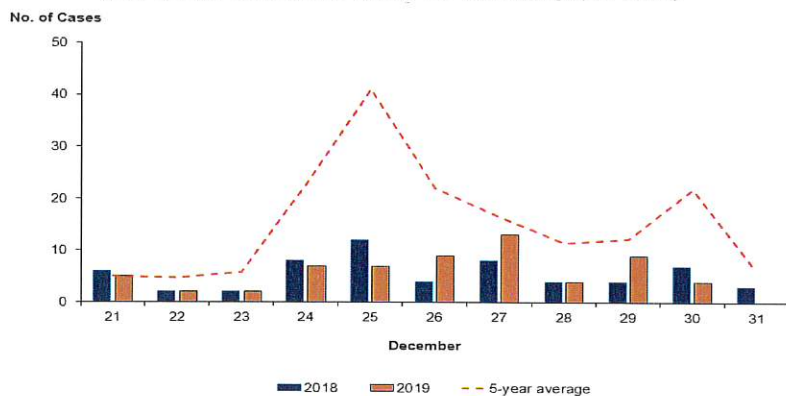
Injury Registry Update of Sentinel Hospitals

As of 6:00 AM, December 31, 2019

There were eight additional cases of fireworks-related injuries reported by the 61 sentinel hospitals. These bring the total to 62 from 6:00 AM of December 21, 2019 to 5:59 AM of December 31, 2019. This year's cases (N=62) is two (3%) cases higher when compared to same time period in 2018 but 63% lower from the five-year average (2014-2018) of 169 cases, same time period (Figure 1).

**Figure 1. Fireworks-Related Injuries by Date of Injury (N=62)**

As of 6:00 AM, Dec. 31, 2019 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), Regions I, VII, CALABARZON, and V (Table 1). In NCR, injuries occurred in Manila (14), Quezon City (7), Marikina City (2), Valenzuela City (2), Madaluyong City (1), and Pasay City (1).

**Table 1. Distribution of Injuries per Region (N=62)**

As of 6:00 AM, Dec. 31, 2019

Region	Injuries due to Fireworks	Fireworks Ingestion	Stray Bullet	Total	
				No.	%
I	8	0	0	8	13
II	4	0	0	4	6
III	1	0	0	1	2
CALABARZON	4	0	0	4	6
MIMAROPA	1	0	0	1	2
V	4	0	0	4	6
VI	3	0	0	3	5
VII	6	0	0	6	10
VIII	0	0	0	0	0
IX	0	0	0	0	0
X	0	0	0	0	0
XI	1	0	0	1	2
XII	3	0	0	3	5
BARMM	0	0	0	0	0
CAR	0	0	0	0	0
CARAGA	0	0	0	0	0
NCR	27	0	0	27	44
<b>Total</b>	<b>62</b>	<b>0</b>	<b>0</b>	<b>62</b>	<b>100</b>

**A. Injuries due to Fireworks**

Fifty-one (82%) were males. Age ranged from 1-71 years old (Median: 10). Forty-seven (76%) had blast/burn injuries not requiring amputation, 16 (26%) had eye injuries, and two (3%) had blast/burn injury requiring amputation. Of the 62 cases, two had multiple injuries.

Twenty-nine (47%) injuries were due to illegal fireworks. The top fireworks involved were piccolo, boga, and kwitis (Table 2).

**Table 2. Top Fireworks Involved**

As of 6:00 AM, Dec. 31, 2019

Fireworks	No.	Percent
Piccolo*	9	15
Boga*	6	10
Kwitis	6	10
5-star*	5	8
Luces	5	8

\*Illegal or prohibited

Thirty-one (50%) were active users. Thirty-six (58%) occurred in the street. Most cases sustained injuries to the hand and eye (Table 3).

**Table 3. Top Anatomical Sites of Injuries due to Fireworks**

As of 6:00 AM, Dec. 31, 2019

Anatomical Part	No.	Percent
Hand	24	39
Eye	16	26
Head	8	13
Forearm/Arm	7	11
Foot	6	10

**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 50 (82%) hospitals with reports submitted (Table 4). Seven sentinel hospitals had new cases. Eleven (18%) did not submit a report (Table 5).



**“Walang ligtas na paputok sa pagpasok ng Bagong taon”**

Happy flower is a legal firecracker which caused a burn injury to a nine year old, male from Pangasinan.

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**Table 4. Distribution of Injuries by Sentinel Hospital (N=62)**  
*Fireworks-Related Injury Surveillance, as of 6:00 AM Dec. 31, 2019*

Hospital	Injuries due to Fireworks		FW Ingestion		Stray Bullet Injuries		TOTAL	
	No.	%	No.	%	No.	%	No.	%
Amang Rodriguez Medical Center	3	5	0	0	0	0	3	5
Baguio General Hospital and Medical Center	0	0	0	0	0	0	0	0
Batangas Medical Center	0	0	0	0	0	0	0	0
Bicol Medical Center	1	2	0	0	0	0	1	2
Bicol Regional Training and Teaching Hospital	3	5	0	0	0	0	3	5
Cagayan Valley Medical Center	1	2	0	0	0	0	1	2
Capitol Medical Center	0	0	0	0	0	0	0	0
Caraga Regional Hospital	0	0	0	0	0	0	0	0
Cardinal Santos Medical Center	0	0	0	0	0	0	0	0
Chinese General Hospital and Medical Center	0	0	0	0	0	0	0	0
Corazon Locsin Montelibano Memorial Regional Hospital	3	5	0	0	0	0	3	5
Cotabato Regional Medical Center	0	0	0	0	0	0	0	0
Davao Regional Medical Center	1	2	0	0	0	0	1	2
Dr. Paulino J. Garcia Memorial Research and Medical Center	1	2	0	0	0	0	1	2
Dr. Victor Potenciano Medical Center	0	0	0	0	0	0	0	0
East Avenue Medical Center	4	6	0	0	0	0	4	6
Eastern Visayas Regional Medical Center	0	0	0	0	0	0	0	0
Far North Luzon General Hospital and Training Center	0	0	0	0	0	0	0	0
Gov. Celestino Gallares Memorial Hospital	4	6	0	0	0	0	4	6
Ilocos Training and Regional Medical Center	1	2	0	0	0	0	1	2
Iloilo Mission Hospital	0	0	0	0	0	0	0	0
Jose B. Lingad Memorial General Hospital	0	0	0	0	0	0	0	0
Jose R. Reyes Memorial Medical Center	4	6	0	0	0	0	4	6
Las Piñas General Hospital & Satellite Trauma Center	1	2	0	0	0	0	1	2
Lingayen District Hospital	3	5	0	0	0	0	3	5
Makati Medical Center	0	0	0	0	0	0	0	0
Mandaluyong City Medical Center	1	2	0	0	0	0	1	2
Manila Doctors Hospital	1	2	0	0	0	0	1	2
Manila East Medical Center	0	0	0	0	0	0	0	0
Mariano Marcos Memorial Hospital and Medical Center	1	2	0	0	0	0	1	2
MCU-FDT Medical Foundation Hospital	0	0	0	0	0	0	0	0
Medical Center Parañaque, Incorporated	0	0	0	0	0	0	0	0
National Children's Hospital	1	2	0	0	0	0	1	2
Northern Mindanao Medical Center	0	0	0	0	0	0	0	0
Ospital ng Maynila Medical Center	1	2	0	0	0	0	1	2
Ospital ng Palawan	1	2	0	0	0	0	1	2
Ospital ng Tondo	7	11	0	0	0	0	7	11
Philippine Children's Medical Center	0	0	0	0	0	0	0	0
Philippine Orthopedic Center	0	0	0	0	0	0	0	0
Quezon City General Hospital	0	0	0	0	0	0	0	0
Quirino Memorial Medical Center	1	2	0	0	0	0	1	2
Region 1 Medical Center	3	5	0	0	0	0	3	5
Region 2 Trauma and Medical Center	1	2	0	0	0	0	1	2
Rizal Medical Center	0	0	0	0	0	0	0	0
San Juan De Dios Educational Foundation, Inc.	0	0	0	0	0	0	0	0
South Cotabato Provincial Hospital	2	3	0	0	0	0	2	3
Southern Isabela Medical Center	1	2	0	0	0	0	1	2
Southern Philippines Medical Center	0	0	0	0	0	0	0	0
St Luke's Medical Center	0	0	0	0	0	0	0	0
St. Elizabeth Hospital, Inc.	1	2	0	0	0	0	1	2
Sulu Provincial Hospital	0	0	0	0	0	0	0	0
The Medical City	0	0	0	0	0	0	0	0
Tondo Medical Center	1	2	0	0	0	0	1	2
University of Perpetual Help Dalta Medical Center	0	0	0	0	0	0	0	0
University of Santo Tomas Hospital	0	0	0	0	0	0	0	0
UP-Philippine General Hospital	5	8	0	0	0	0	5	8
Valenzuela Medical Center	2	3	0	0	0	0	2	3
Vicente Sotto Memorial Medical Center	2	3	0	0	0	0	2	3
Western Visayas Medical Center	0	0	0	0	0	0	0	0
Western Visayas Sanitarium	0	0	0	0	0	0	0	0
Zamboanga City Medical Center	0	0	0	0	0	0	0	0
<b>Total</b>	<b>62</b>	<b>100</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>62</b>	<b>100</b>

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 5. Status of Reporting and Monitoring by Region (N=61)**  
As of 6:00 AM December 31, 2019

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	No
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	Yes
MIMAROPA	Ospital ng Palawan	No
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	No
	Vicente Sotto Memorial Medical Center*	Yes
VIII	Eastern Visayas Regional Medical Center	No
IX	Zamboanga City Medical Center	No
X	Northern Mindanao Medical Center	No
XI	Davao Regional Medical Center*	Yes
	Southern Philippines Medical Center	No
XII	Cotabato Regional and Medical Center	No
	South Cotabato Provincial Hospital	No
	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*	Yes
	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	Yes
	Manila Doctors Hospital	Yes
	MCU-FDT Medical Foundation Hospital	Yes
	Medical Center Parafaque, Incorporated	Yes
	National Children's Hospital	Yes
	Ospital ng Maynila Medical Center	No
	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.*	Yes
	St. Luke's Medical Center*	Yes
	The Medical City*	Yes
	Tondo Medical Center*	Yes
	University of Perpetual Help Delta 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 ONE/ISS but had zero case upon monitoring by KMITS and RESU staff

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