



**Epidemiology Bureau
Department of Health**

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Fireworks-Related Injury Surveillance 2019

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

Sentinel Report Number 9

Injury Registry Update of Sentinel Hospitals

As of 6:00 AM, December 30, 2019

There were eight additional cases of fireworks-related injuries reported by the 61 sentinel hospitals. These bring the total to 54 from 6:00 AM of December 21, 2019 to 5:59 AM of December 30, 2019. This year's cases (N=54) is four (8%) cases higher when compared to same time period in 2018 but 62% lower from the five-year average (2014-2018) of 142 cases, same time period (Figure 1).

Twenty-seven (50%) 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. 30, 2019

Fireworks	No.	Percent
Piccolo*	8	15
Boga*	6	11
Kwitis	5	9
5-star*	4	7
Luces	4	7
Whistle bomb	4	7

*Illegal or prohibited

Twenty-eight (52%) were active users. Thirty-two (59%) occurred in the street. Most cases sustained injury to the hand and eye (Table 3).

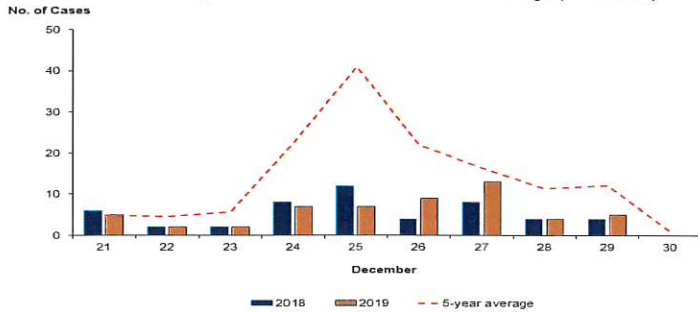
Table 3. Top Anatomical Sites of Injuries due to Fireworks

As of 6:00 AM, Dec. 30, 2019

Anatomical Part	No.	Percent
Hand	21	39
Eye	14	26
Forearm/Arm	6	11
Head	5	9
Legs	5	9

Figure 1. Fireworks-Related Injuries by Date of Injury (N=54)

As of 6:00 AM, Dec. 30 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) [21], Regions I (6), VII (6), CALABARZON (4) and V (4) [Table 1]. In NCR, injuries occurred in Manila (12), Quezon City (5), Marikina City (2), Madaluyong City (1), and Pasay City (1).

Table 1. Distribution of Injuries per Region (N=54)

As of 6:00 AM, Dec. 30, 2019

Region	Injuries due to Fireworks	Fireworks Ingestion	Stray Bullet	Total	
				No.	%
I	6	0	0	6	11
II	4	0	0	4	7
III	1	0	0	1	2
CALABARZON	4	0	0	4	7
MIMAROPA	1	0	0	1	2
V	4	0	0	4	7
VI	3	0	0	3	6
VII	6	0	0	6	11
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	6
BARMM	0	0	0	0	0
CAR	0	0	0	0	0
CARAGA	0	0	0	0	0
NCR	21	0	0	21	39
Total	54	0	0	54	100

A. Injuries due to Fireworks

Forty-three (80%) were males. Age ranged from 1-71 years old (Median: 10). Forty (74%) had blast/burn injuries not requiring amputation, 14 (26%) had eye injuries, and two (4%) had blast/burn injury requiring amputation. Of the 54 cases, two had multiple injuries.

The new case requiring amputation is a 13 years old male from Brgy Betes, Aliasa, Nueva Ecija. He was injured on December 29, 2019 by a Cylinder, an illegal firework. He sought consult at Dr. Paulino J. Garcia Memorial Research and Medical Center (DPJGMRMC) but was referred to DPJGMRMC Talavera Extension Hospital. The case had traumatic amputation 5th digit and ring finger.

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 59 (97%) hospitals with reports submitted (Table 4). Seven sentinel hospitals had new cases. Two (3%) did not submit a report (Table 5).



Source: Dr. Paulino J. Garcia
Memorial Research and Medical City

“Sa paputok may disgrasya, ito ang ebidensya”

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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=54)
Fireworks-Related Injury Surveillance, as of 6:00 AM Dec. 30, 2019

Hospital	Injuries due to Fireworks		FW Ingestion		Stray Bullet Injuries		TOTAL	
	No.	%	No.	%	No.	%	No.	%
Amang Rodriguez Medical Center	3	6	0	0	0	0	3	6
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	6	0	0	0	0	3	6
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	6	0	0	0	0	3	6
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	3	6	0	0	0	0	3	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	7	0	0	0	0	4	7
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	3	6	0	0	0	0	3	6
Las Pifas General Hospital & Satellite Trauma Center	1	2	0	0	0	0	1	2
Lingayen District Hospital	2	4	0	0	0	0	2	4
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	0	0	0	0	0	0	0	0
MCU-FDT Medical Foundation Hospital	0	0	0	0	0	0	0	0
Medical Center Parafique, Incorporated	0	0	0	0	0	0	0	0
National Children's Hospital	0	0	0	0	0	0	0	0
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	6	11	0	0	0	0	6	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	6	0	0	0	0	3	6
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	4	0	0	0	0	2	4
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	9	0	0	0	0	5	9
Valenzuela Medical Center	0	0	0	0	0	0	0	0
Vicente Sotto Memorial Medical Center	2	4	0	0	0	0	2	4
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
Total	54	100	0	0	0	0	54	100

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Table 5. Status of Reporting and Monitoring by Region (N=61)
As of 6:00 AM December 30, 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	No
	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	Yes
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	No
	St. Elizabeth Hospital, Inc.*	Yes
BARMM	Sulu Provincial Hospital	Yes
CAR	Baguio General Hospital and Medical Center	Yes
	Far North Luzon General Hospital and Training Center	Yes
CARAGA	Caraga Regional Hospital*	Yes
NCR	Amang Rodríguez 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 Parañaque, Incorporated*	Yes
	National Children's Hospital*	Yes
	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.*	Yes
	St. Luke's Medical Center	Yes
	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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