



# Epidemiology Bureau

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## Fireworks-Related Injury Surveillance 2019

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

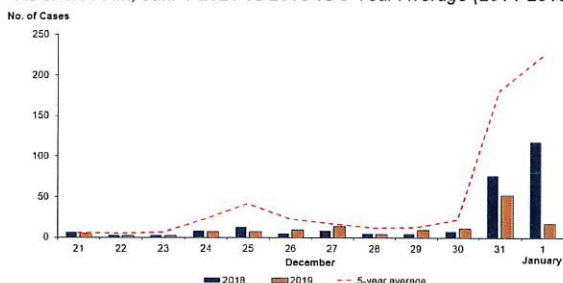
### Sentinel Report Number 11 Injury Registry Update of Sentinel Hospitals

As of 6:00 AM, January 1, 2020

There were 102 additional cases of fireworks-related injuries reported by the 61 sentinel hospitals. These bring the total to 164 from 6:00 AM of December 21, 2019 to 5:59 AM of January 1, 2020. This year's cases is 87 (35%) cases lower when compared to same time period in 2018 and 71% lower from the five-year average (2014-2018) of 567 cases, same time period (Figure 1).

Figure 1. Fireworks-Related Injuries by Date of Injury (N=164)

As of 6:00 AM, Jan. 1 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) [84], CALABARZON (13), Region I (12), Region III (11) and Region VI (10) [Table 1]. In NCR, injuries occurred in Manila (27), Quezon City (19), Mandaluyong City (9), Marikina City (7), and Pasig City (4).

Table 1. Distribution of Injuries per Region (N=164)  
As of 6:00 AM, Jan. 1, 2020

Region	Injuries due to Fireworks	Fireworks Ingestion	Stray Bullet Injuries	Total	
				No.	%
I	12	0	0	12	7
II	10	0	0	10	6
III	11	0	0	11	7
CALABARZON	13	0	0	13	8
MIMAROPA	2	0	0	2	1
V	8	0	0	8	5
VI	10	0	0	10	6
VII	8	0	0	8	5
VIII	0	0	0	0	0
IX	1	0	0	1	1
X	1	0	0	1	1
XI	1	0	0	1	1
XII	3	0	0	3	2
BARMM	0	0	0	0	0
CAR	0	0	0	0	0
CARAGA	0	0	0	0	0
NCR	84	0	0	84	51
<b>Total</b>	<b>164</b>	<b>0</b>	<b>0</b>	<b>164</b>	<b>100</b>

#### A. Injuries due to Fireworks

One hundred fourteen (70%) were males. Age ranged from 1-71 years old (Median: 11). One hundred seventeen (71%) had blast/burn injuries not requiring amputation, 43 (26%) had eye injuries, and seven (4%) had blast/burn injury requiring amputation. Of the 164 cases, three had multiple injuries.

Ninety-six (59%) injuries were due to legal fireworks. The top fireworks involved were kwitis, luces, fountain, piccolo, and baby rocket (Table 2).

Table 2. Top Fireworks Involved  
As of 6:00 AM, Jan. 1, 2020

Fireworks	No.	Percent
Kwitis	33	20
Luces	19	12
Fountain	18	11
Piccolo*	13	8
Baby rocket	9	5

\*Illegal or prohibited

Sixty-five (40%) were active users. Ninety (55%) 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	52	32
Eye	43	26
Head	22	13
Legs	18	11
Forearm/Arm	15	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 59 (97%) hospitals with reports submitted (Table 4). Thirty-nine sentinel hospitals had new cases. Two (3%) did not submit a report (Table 5).



Press Conference on Fireworks-related Injuries with Secretary Francisco T. Duque III and USec. Gerardo V. Bayugo

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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=164)**  
*Fireworks-Related Injury Surveillance, as of 6:00 AM January 1, 2020*

Hospital	Injuries due to Fireworks		FW Ingestion		Stray Bullet Injuries		TOTAL	
	No.	%	No.	%	No.	%	No.	%
Amang Rodriguez Medical Center	14	9	0	0	0	0	14	9
Baguio General Hospital and Medical Center	0	0	0	0	0	0	0	0
Batangas Medical Center	1	1	0	0	0	0	1	1
Bicol Medical Center	5	3	0	0	0	0	5	3
Bicol Regional Training and Teaching Hospital	3	2	0	0	0	0	3	2
Cagayan Valley Medical Center	3	2	0	0	0	0	3	2
Capitol Medical Center	1	1	0	0	0	0	1	1
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	2	1	0	0	0	0	2	1
Corazon Locsin Montelibano Memorial Regional Hospital	7	4	0	0	0	0	7	4
Cotabato Regional Medical Center	0	0	0	0	0	0	0	0
Davao Regional Medical Center	1	1	0	0	0	0	1	1
Dr. Paulino J. Garcia Memorial Research and Medical Center	6	4	0	0	0	0	6	4
Dr. Victor Potenciano Medical Center	0	0	0	0	0	0	0	0
East Avenue Medical Center	6	4	0	0	0	0	6	4
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	2	0	0	0	0	4	2
Ilocos Training and Regional Medical Center	1	1	0	0	0	0	1	1
Iloilo Mission Hospital	0	0	0	0	0	0	0	0
Jose B. Lingad Memorial General Hospital	5	3	0	0	0	0	5	3
Jose R. Reyes Memorial Medical Center	13	8	0	0	0	0	13	8
Las Piñas General Hospital & Satellite Trauma Center	9	5	0	0	0	0	9	5
Lingayen District Hospital	4	2	0	0	0	0	4	2
Makati Medical Center	1	1	0	0	0	0	1	1
Mandaluyong City Medical Center	9	5	0	0	0	0	9	5
Manila Doctors Hospital	1	1	0	0	0	0	1	1
Manila East Medical Center	0	0	0	0	0	0	0	0
Mariano Marcos Memorial Hospital and Medical Center	2	1	0	0	0	0	2	1
MCU-FDT Medical Foundation Hospital	1	1	0	0	0	0	1	1
Medical Center Parafaque, Incorporated	0	0	0	0	0	0	0	0
National Children's Hospital	1	1	0	0	0	0	1	1
Northern Mindanao Medical Center	1	1	0	0	0	0	1	1
Ospital ng Maynila Medical Center	1	1	0	0	0	0	1	1
Ospital ng Palawan	1	1	0	0	0	0	1	1
Ospital ng Tondo	8	5	0	0	0	0	8	5
Philippine Children's Medical Center	0	0	0	0	0	0	0	0
Philippine Orthopedic Center	1	1	0	0	0	0	1	1
Quezon City General Hospital	4	2	0	0	0	0	4	2
Quirino Memorial Medical Center	6	4	0	0	0	0	6	4
Region 1 Medical Center	5	3	0	0	0	0	5	3
Region 2 Trauma and Medical Center	1	1	0	0	0	0	1	1
Rizal Medical Center	5	3	0	0	0	0	5	3
San Juan De Dios Educational Foundation, Inc.	0	0	0	0	0	0	0	0
South Cotabato Provincial Hospital	2	1	0	0	0	0	2	1
Southern Isabela Medical Center	5	3	0	0	0	0	5	3
Southern Philippines Medical Center	0	0	0	0	0	0	0	0
St Luke's Medical Center	1	1	0	0	0	0	1	1
St. Elizabeth Hospital, Inc.	1	1	0	0	0	0	1	1
Sulu Provincial Hospital	0	0	0	0	0	0	0	0
The Medical City	1	1	0	0	0	0	1	1
Tondo Medical Center	4	2	0	0	0	0	4	2
University of Perpetual Help Dalta Medical Center	1	1	0	0	0	0	1	1
University of Santo Tomas Hospital	0	0	0	0	0	0	0	0
UP-Philippine General Hospital	5	3	0	0	0	0	5	3
Valenzuela Medical Center	3	2	0	0	0	0	3	2
Vicente Sotto Memorial Medical Center	4	2	0	0	0	0	4	2
Western Visayas Medical Center	3	2	0	0	0	0	3	2
Western Visayas Sanitarium	0	0	0	0	0	0	0	0
Zamboanga City Medical Center	1	1	0	0	0	0	1	1
<b>Total</b>	<b>164</b>	<b>100</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>164</b>	<b>100</b>

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**Table 5. Status of Reporting and Monitoring by Region (N=61)**  
As of 6:00 AM January 1, 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	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	Yes
	Vicente Sotto Memorial Medical Center	Yes
VIII	Eastern Visayas Regional Medical Center	No
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	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 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	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 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 ONEISS but had zero case upon monitoring by KMITS and RESU staff

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