



Epidemiology Bureau Department of Health

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Fireworks-Related Injury Surveillance 2019

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

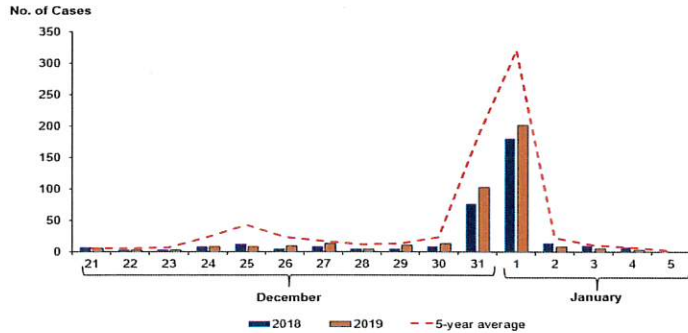
Sentinel Report Number 15

As of 6:00 AM, January 5, 2020

Injury Registry Update of Sentinel Hospitals

There were 34 additional cases of fireworks-related injuries reported by the 61 sentinel hospitals. These bring the total to 391 from 6:00 AM of December 21, 2019 to 5:59 AM of January 5, 2020. This year's cases is 51 (15%) cases higher when compared to the same time period in 2018 (N=340) and 44% lower from the five-year average (2014-2018) of 700 cases, same time period (Figure 1).

Figure 1. Fireworks-Related Injuries by Date of Injury (N=391)
As of 6:00 AM, Jan. 5, 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

There were 390 injuries due to fireworks and one firework ingestion. No stray bullet reported. No death reported. Most injuries were reported from the National Capital Region (NCR), Region VI, and Region I (Table 1). In NCR, most injuries occurred in Manila (56), Quezon City (40), Caloocan (12), Las Piñas (12), and Marikina (12).

Table 1. Distribution of Injuries per Region (N=391)
As of 6:00 AM, Jan. 5, 2020

Region	Injuries due to Fireworks	Fireworks Ingestion	Stray Bullet Injuries	Total	
				No.	%
NCR	184	1	0	185	47
VI	47	0	0	47	12
I	36	0	0	36	9
CALABARZON	30	0	0	30	8
III	23	0	0	23	6
II	19	0	0	19	5
VII	16	0	0	16	4
V	14	0	0	14	4
XII	7	0	0	7	2
X	3	0	0	3	1
MIMAROPA	2	0	0	2	0.5
VIII	2	0	0	2	0.5
IX	2	0	0	2	0.5
XI	2	0	0	2	0.5
CAR	2	0	0	2	0.5
CARAGA	1	0	0	1	0.3
BARMM	0	0	0	0	0
Total	390	1	0	391	100

A. Injuries due to Fireworks

Two hundred eighty-nine (74%) were males. Age ranged from 11 months to 77 years old (Median: 13). Two hundred eighty-eight (74%) had blast/burn injuries not requiring amputation, 97 (25%) had eye injuries, and 17 (4%) had blast/burn injury requiring amputation.

Two hundred twenty-six (58%) injuries were due to legal fireworks. The top fireworks involved were kwitis, luces, and fountain (Table 2).

Table 2. Top Fireworks Involved
As of 6:00 AM, Jan. 5, 2020

Fireworks	No.	Percent
Kwitis	84	22
Luces	43	11
Fountain	39	10
Piccolo*	22	6
5-star*	19	5

*Illegal or prohibited

Two hundred twenty-two (57%) were passive cases. Two hundred nineteen (56%) 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. 5, 2020

Anatomical Part	No.	Percent
Hand	139	36
Eye	97	25
Head	57	15
Legs	40	10
Forearm/Arm	37	9

B. Fireworks Ingestion

There was one firework ingestion reported.

C. Stray Bullet Injury

There was no reported case of stray bullet injury.

Status of Reporting Sentinel Hospitals

Fifty-three (87%) hospitals submitted reports (Table 4).



"Bilang ng kamay ay huwag bawasan, kaya paputok ay iwasan"

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

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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=391)
Fireworks-Related Injury Surveillance, as of 6:00 AM January 5, 2020

Hospital	Injuries due to Fireworks		FW Ingestion		Stray Bullet Injuries		TOTAL	
	No.	%	No.	%	No.	%	No.	%
Amang Rodriguez Medical Center	22	6	0	0	0	0	22	6
Bagulo General Hospital and Medical Center	2	0.5	0	0	0	0	2	0.5
Batangas Medical Center	3	1	0	0	0	0	3	1
Bicol Medical Center	8	2	0	0	0	0	8	2
Bicol Regional Training and Teaching Hospital	6	2	0	0	0	0	6	2
Cagayan Valley Medical Center	6	2	0	0	0	0	6	2
Capitol Medical Center	2	0.5	0	0	0	0	2	0.5
Caraga Regional Hospital	1	0.3	0	0	0	0	1	0.3
Cardinal Santos Medical Center	1	0.3	0	0	0	0	1	0.3
Chinese General Hospital and Medical Center	6	2	0	0	0	0	6	2
Corazon Locsin Montelibano Memorial Regional Hospital	30	8	0	0	0	0	30	8
Cotabato Regional and Medical Center	0	0	0	0	0	0	0	0
Davao Regional Medical Center	2	0.5	0	0	0	0	2	0.5
Dr. Paulino J Garcia Memorial Research and Medical	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	20	5	0	0	0	0	20	5
Eastern Visayas Regional Medical Center	2	0.5	0	0	0	0	2	0.5
Far North Luzon Gen Hospital and Training Center	0	0	0	0	0	0	0	0
Gov. Celestino Gallares Memorial Hospital	7	2	0	0	0	0	7	2
Ilocos Training and Regional Medical Center	1	0.3	0	0	0	0	1	0.3
Iloilo Mission Hospital	0	0	0	0	0	0	0	0
Jose B. Lingad Memorial General Hospital	13	3	0	0	0	0	13	3
Jose R Reyes Memorial Medical Center	37	9	0	0	0	0	37	9
Las Piñas General Hospital & Satellite Trauma Center	14	4	0	0	0	0	14	4
Lingayen District Hospital	11	3	0	0	0	0	11	3
Makati Medical Center	5	1	0	0	0	0	5	1
Mandaluyong City Medical Center	11	3	0	0	0	0	11	3
Manila Doctors Hospital	1	0.3	0	0	0	0	1	0.3
Manila East Medical Center	2	0.5	0	0	0	0	2	0.5
Mariano Marcos Memorial Medical Hospital	6	2	0	0	0	0	6	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	0.5	0	0	0	0	2	0.5
Northern Mindanao Medical Center	3	1	0	0	0	0	3	1
Ospital ng Maynila Medical Center	2	0.5	0	0	0	0	2	0.5
Ospital ng Palawan	1	0.3	0	0	0	0	1	0.3
Ospital ng Tondo	16	4	0	0	0	0	16	4
Philippine Children's Medical Center	0	0	0	0	0	0	0	0
Philippine Orthopedic Center	1	0.3	0	0	0	0	1	0.3
Quezon City General Hospital	12	3	0	0	0	0	12	3
Quirino Memorial Medical Center	9	2	0	0	0	0	9	2
Region 1 Medical Center	18	5	0	0	0	0	18	5
Region 2 Trauma and Medical Center	3	1	0	0	0	0	3	1
Rizal Medical Center	12	3	0	0	0	0	12	3
San Juan De Dios Educational Foundation, Inc.	0	0	0	0	0	0	0	0
South Cotabato Provincial Hospital	5	1	0	0	0	0	5	1
Southern Isabela General Hospital	9	2	0	0	0	0	9	2
Southern Philippines Medical Center	0	0	0	0	0	0	0	0
St Luke's Medical Center	2	0.5	0	0	0	0	2	0.5
St. Elizabeth Hospital, Inc.	2	0.5	0	0	0	0	2	0.5
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	10	3	0	0	0	0	10	3
University of Perpetual Help Dalta Medical Center	2	0.5	0	0	0	0	2	0.5
University of Santo Tomas Hospital	0	0	1	100	0	0	1	0
UP-Philippine General Hospital	10	3	0	0	0	0	10	3
Valenzuela Medical Center	10	3	0	0	0	0	10	3
Vicente Sotto Memorial Medical Center	9	2	0	0	0	0	9	2
Western Visayas Medical Center	14	4	0	0	0	0	14	4
Western Visayas Sanitarium	3	1	0	0	0	0	3	1
Zamboanga City Medical Center	2	0.5	0	0	0	0	2	0.5
Total	390	100	1	0	0	0	391	100

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Table 5. Status of Reporting and Monitoring by Region (N=391)
As of 6:00 AM January 5, 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	Yes
V	Bicol Medical Center	Yes
	Bicol Regional Training and Teaching Hospital	No
VI	Corazon Locsin Montelibano Memorial Regional Hospital	Yes
	Iloilo Mission Hospital	Yes
	Western Visayas Medical Center	Yes
	Western Visayas Sanitarium	No
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	No
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 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 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	No
	Quirino Memorial Medical Center	No
	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	No
	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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