



Epidemiology Bureau
Department of Health

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Fireworks-Related Injury Surveillance 2018

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



Report Number 16

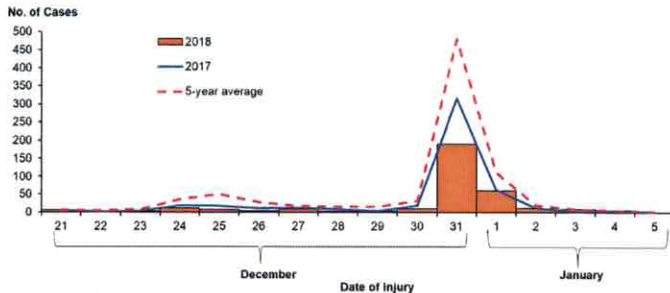
As of 6:00 AM January 6, 2019

Injury Registry Update of Sentinel Hospitals

There were 22 additional fireworks-related injuries reported by the 60 sentinel hospitals. This brings the total to 340 from 6:00 AM of December 21, 2018 to 5:59 AM of January 6, 2019 (Figure 1). This is 175 (34%) cases lower compared to last year and 513 (60%) cases lower versus the five-year average (2013-2017).

Figure 1. Fireworks-Related Injuries by Date of Injury (N=340)

As of 6:00 AM, January 5, 2019 vs 2017 vs 5-Year Average (2013-2017)*



*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

Three hundred thirty-eight (99%) were injuries due to fireworks and two (1%) were fireworks ingestion cases. No stray bullet injury reported. No death reported.

Of the 340 cumulative cases, 276 (81%) were males. Age ranged from two to 76 years (Median: 15). One hundred ninety-three (57%) were due to legal fireworks. One hundred eighty (53%) injuries occurred in the streets.

Table 1. Distribution of Injuries per Region (N=340)
As of 6:00 AM January 6, 2019

Region	Injuries due to fireworks	Fireworks Ingestion	Stray Bullet	Total	
				No.	%
I	52	0	0	52	15
II	8	0	0	8	2
III	20	0	0	20	6
IV-A	23	0	0	23	7
IV-B	2	0	0	2	1
V	9	0	0	9	3
VI	51	0	0	51	15
VII	27	0	0	27	8
VIII	2	0	0	2	1
IX	3	0	0	3	1
X	4	0	0	4	1
XI	3	0	0	3	1
XII	7	0	0	7	2
ARMM	6	0	0	6	2
CAR	0	0	0	0	0
CARAGA	0	0	0	0	0
NCR	121	2	0	123	36
Total	338	2	0	340	100

A. Injuries due to Fireworks

Two hundred seventy-five (81%) cases were males. Age ranged from two to 76 years (Median: 15). Two hundred sixty-three (78%) were blast/burn injuries not involving amputation, 11 (3%) were injuries resulting to amputation, and 85 (25%) were eye injuries. Two hundred twelve (63%) were active users. One hundred seventy-nine (53%) occurred in the streets.

One hundred ninety-two (57%) were due to legal fireworks. There were 27 (8%) injuries which involved unknown fireworks. Seventy-four (22%) injuries were due to Kwitis, 40 (12%) injuries due to Luces, and 21 (6%) injuries due to Piccolo (Table 2).

Table 2. Top Fireworks Involved (n=338)
As of 6:00 AM, January 6, 2019

Fireworks	No.	Percent
Kwitis	74	22
Luces	40	12
Piccolo*	21	6
Boga*	20	6
Triangle*	17	5

*Illegal or prohibited

One hundred fifty-three (45%) sustained hand injuries. Eighty-five (25%) had eye injuries (Table 3).

Table 3. Top Anatomical Sites of Injuries due to Fireworks (n=338)
As of 6:00 AM, January 6, 2019

Anatomical Site	No.	Percent
Hand	153	45
Eye	85	25
Head	35	10
Legs	34	10
Forearm/Arm	30	9

*Multiple responses

B. Fireworks Ingestion

There was no additional case of fireworks ingestion.

C. Stray Bullet Injury

There was no reported stray bullet injury.

Status of Reporting Sentinel Hospitals

There were eight (13%) hospitals with new reported cases and 49 (82%) sentinel hospitals who submitted “no case” reports or had zero case upon monitoring by KMITS and RESU staff. Three (5%) did not submit “no case” report to ONEISS and cannot be reached for further verification (Table 5).



Lahat ng paputok ay nakakadisgrasya. Iwasan ang paputok.

Source: Western Visayas Medical Center

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Table 4. Distribution of Injuries by Sentinel Hospital (N=340)
Fireworks-Related Injury Surveillance, as of 6:00 AM January 6, 2019

Hospital	Injuries due to fireworks		FW Ingestion		Stray Bullet		TOTAL	
	No.	%	No.	%	No.	%	No.	%
Amang Rodriguez Medical Center	15	4	0	0	0	0	15	4
Baguio General Hospital and Medical Center	0	0	0	0	0	0	0	0
Batangas Regional Hospital	6	2	0	0	0	0	6	2
Bicol Medical Center	4	1	0	0	0	0	4	1
Bicol Regional Training and Teaching Hospital	5	1	0	0	0	0	5	1
Cagayan Valley Medical Center	2	0.6	0	0	0	0	2	0.6
Capitol Medical Center	0	0	0	0	0	0	0	0
Cardinal Santos Medical Center	1	0.3	0	0	0	0	1	0.3
Chinese General Hospital and Medical Center	1	0.3	0	0	0	0	1	0.3
Corazon Locsin Montelibano Memorial Regional Hospital	29	9	0	0	0	0	29	9
Cotabato Regional and Medical Center	1	0.3	0	0	0	0	1	0.3
Davao Regional Hospital	2	0.6	0	0	0	0	2	0.6
Dr. Paulino J. Garcia Memorial Research and Medical	3	0.9	0	0	0	0	3	0.9
Dr. Victor Potenciano Medical Center	0	0	0	0	0	0	0	0
East Avenue Medical Center	16	5	0	0	0	0	16	5
Eastern Visayas Regional Medical Center	2	0.6	0	0	0	0	2	0.6
Far North Luzon General Hospital and Training Center	1	0.3	0	0	0	0	1	0.3
Gov. Celestino Gallares Memorial Hospital	4	1	0	0	0	0	4	1
Ilocos Training and Regional Medical Center	4	1	0	0	0	0	4	1
Iloilo Mission Hospital	0	0	0	0	0	0	0	0
Jose B. Lingad Memorial General Hospital	14	4	0	0	0	0	14	4
Jose R. Reyes Memorial Medical Center	35	10	0	0	0	0	35	10
Las Piñas General Hospital & Satellite Trauma Center	4	1	0	0	0	0	4	1
Lingayen District Hospital (Formerly Don Mariano C. Verzosa Memorial Hospital)	14	4	0	0	0	0	14	4
Makati Medical Center	2	0.6	0	0	0	0	2	0.6
Mandaluyong City Medical Center	1	0.3	0	0	0	0	1	0.3
Manila Doctors Hospital	1	0.3	0	0	0	0	1	0.3
Manila East Medical Center	3	0.9	0	0	0	0	3	0.9
Mariano Marcos Memorial Medical Hospital	2	0.6	0	0	0	0	2	0.6
MCU-FDT Medical Foundation Hospital	4	1	0	0	0	0	4	1
Medical Center Paranaque, Incorporated	0	0	0	0	0	0	0	0
National Children's Hospital	1	0.3	0	0	0	0	1	0.3
Northern Mindanao Medical Center	4	1	0	0	0	0	4	1
Ospital ng Maynila Medical Center	5	1	0	0	0	0	5	1
Ospital ng Palawan	2	0.6	0	0	0	0	2	0.6
Ospital ng Tondo	8	2	0	0	0	0	8	2
Philippine Children's Medical Center	0	0	0	0	0	0	0	0
Philippine Orthopedic Center	4	1	0	0	0	0	4	1
Quezon City General Hospital	3	0.9	0	0	0	0	3	0.9
Quirino Memorial Medical Center	4	1	0	0	0	0	4	1
Region 1 Medical Center	32	9	0	0	0	0	32	9
Rizal Medical Center	10	3	0	0	0	0	10	3
San Juan De Dios Educational Foundation, Inc.	1	0.3	0	0	0	0	1	0.3
South Cotabato Provincial Hospital	7	2	0	0	0	0	7	2
Southern Isabela General Hospital	3	0.9	0	0	0	0	3	0.9
Southern Philippines Medical Center	1	0.3	0	0	0	0	1	0.3
St Luke's Medical Center	0	0	0	0	0	0	0	0
St. Elizabeth Hospital, Inc.	0	0	0	0	0	0	0	0
Sulu Provincial Hospital	5	1	0	0	0	0	5	1
The Medical City	3	0.9	0	0	0	0	3	0.9
Tondo Medical Center	2	0.6	0	0	0	0	2	0.6
University of Perpetual Help Dalta Medical Center	1	0.3	0	0	0	0	1	0.3
University of Santo Tomas Hospital	4	1	0	0	0	0	4	1
UP-Philippine General Hospital	8	2	2	100	0	0	10	3
Valenzuela Medical Center	4	1	0	0	0	0	4	1
Veterans Regional Hospital	2	0.6	0	0	0	0	2	0.6
Vicente Sotto Memorial Medical Center	23	7	0	0	0	0	23	7
Western Visayas Medical Center	16	5	0	0	0	0	16	5
Western Visayas Sanitarium	6	2	0	0	0	0	6	2
Zamboanga City Medical Center	3	0.9	0	0	0	0	3	0.9
Total	338	100	2	100	0	0	340	100

Disclaimer: Figures from the previous report 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=60)
As of 6:00 AM January 6, 2019

Region	Name of Hospital	Submitted report?
I	Ilocos Training and Regional Medical Center	Yes
	Lingayen District Hospital (Formerly Don Mariano C. Verzosa Memorial Hospital)*	Yes
	Mariano Marcos Memorial Medical Hospital*	Yes
	Region 1 Medical Center	Yes
II	Cagayan Valley Medical Center	No
	Southern Isabela General Hospital	Yes
	Veterans Regional Hospital	Yes
III	Dr. Paulino J. Garcia Memorial Research and Medical Center*	Yes
	Jose B. Lingad Memorial General Hospital	Yes
IV-A	Batangas Regional Hospital	Yes
	Manila East Medical Center	No
IV-B	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 Hospital	Yes
	Southern Philippines Medical Center	No
XII	Cotabato Regional and Medical Center	Yes
	South Cotabato Provincial Hospital*	Yes
	St. Elizabeth Hospital, Inc.*	Yes
ARMM	Sulu Provincial Hospital	Yes
CAR	Baguio General Hospital and Medical Center	Yes
	Far North Luzon General Hospital and Training Center*	Yes
CARAGA	<i>No sentinel hospital</i>	-
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*	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