



Epidemiology Bureau
Department of Health

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Fireworks-Related Injury Surveillance 2018

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

Report Number 13

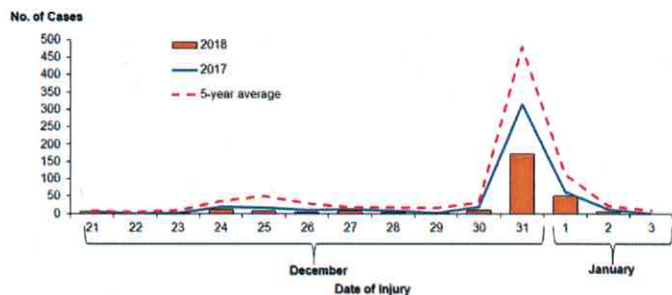
As of 6:00 AM, January 3, 2019

Injury Registry Update of Sentinel Hospitals

There were 52 additional fireworks-related injuries reported by the 60 sentinel hospitals. This brings the total to 288 from 6:00 AM of December 21, 2018 to 5:59 AM of January 3, 2019 (Figure 1). This is 218 (43%) cases lower compared to last year and 547 (66%) cases lower versus the five-year average (2013-2017).

Figure 1. Fireworks-Related Injuries by Date of Injury (N=288)

As of 6:00 AM, January 3, 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

Two hundred eighty-six (99%) were injuries due to fireworks and two (1%) were fireworks ingestion cases. No stray bullet injury reported. No death reported.

Of the 288 cumulative cases, 231 (80%) were males. Age ranged from two to 76 years (Median: 16). One hundred sixty-four (57%) were due to legal fireworks. One hundred fifty-two (53%) injuries occurred in the streets.

Table 1. Distribution of Injuries per Region (N=288)

As of 6:00 AM January 3, 2019

Region	Fireworks Injuries	Fireworks Ingestion	Stray Bullet	Total	
				No.	%
I	30	0	0	30	10
II	8	0	0	8	3
III	19	0	0	19	7
IV-A	18	0	0	18	6
IV-B	2	0	0	2	0.7
V	8	0	0	8	3
VI	44	0	0	44	15
VII	24	0	0	24	8
VIII	2	0	0	2	0.7
IX	3	0	0	3	1
X	2	0	0	2	0.7
XI	2	0	0	2	0.7
XII	6	0	0	6	2
ARMM	6	0	0	6	2
CAR	0	0	0	0	0
CARAGA	0	0	0	0	0
NCR	112	2	0	114	40
Total	286	2	0	288	100

A. Injuries due to Fireworks

Two hundred-thirty (80%) cases were males. Age ranged from two to 76 years (Median:16). Two hundred twenty (77%) were blast/burn injuries not involving amputation, 10 (3%) were injuries resulting to amputation, and 76 (27%) were eye injuries. One hundred eighty-four (64%) were active users. One hundred fifty-one (53%) occurred in the streets.

One hundred sixty-three (57%) were due to legal fireworks. There were 20 (7%) injuries which involved unknown fireworks. Sixty-five (23%) injuries were due to Kwitis, 29 (10%) injuries due to Luces, and 20 (7%) injuries due to Piccolo (Table 2).

Table 2. Top Fireworks Involved (n=286)

As of 6:00 AM, January 3, 2019

Fireworks	No.	Percent
Kwitis	65	23
Luces	29	10
Piccolo*	20	7
Boga*	18	6
5-Star*	16	6
Triangle*	13	5
Fountain	10	4
Whistle Bomb	10	4

*Illegal or prohibited

One hundred thirty-two (46%) sustained hand injuries. Seventy-six (27%) had eye injuries (Table 3).

Table 3. Top Anatomical Sites of Injuries due to Fireworks (n=286)*

As of 6:00 AM, January 3, 2019

Anatomical Site	No.	Percent
Hand	132	46
Eye	76	27
Head	34	12
Legs	27	9
Forearm/Arm	25	9
Thigh	15	5

*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 15 (25%) hospitals with new reported cases and 36 (60%) sentinel hospitals who submitted "no case" reports or had zero case upon monitoring by KMITS and RESU staff. Nine (15%) did not submit "no case" report to ONEISS and cannot be reached for further verification (Table 5).



Disarticulated 5th digit, right hand due to Pia-Pla

Source: Allah Valley Medical Specialist, Inc.

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Table 4. Distribution of Injuries by Sentinel Hospital (N=288)
Fireworks-Related Injury Surveillance, as of 6:00 AM January 3, 2019

Hospital	FW Injury		FW Ingestion		Stray Bullet		TOTAL	
	No.	%	No.	%	No.	%	No.	%
Amang Rodriguez Medical Center	13	5	0	0	0	0	13	5
Baguio General Hospital and Medical Center	0	0	0	0	0	0	0	0
Batangas Regional Hospital	5	2	0	0	0	0	5	2
Bicol Medical Center	4	1	0	0	0	0	4	1
Bicol Regional Training and Teaching Hospital	4	1	0	0	0	0	4	1
Cagayan Valley Medical Center	2	1	0	0	0	0	2	1
Capitol Medical Center	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	1	0.3	0	0	0	0	1	0.3
Corazon Locsin Montelibano Memorial Regional Hospital	25	9	0	0	0	0	25	9
Cotabato Regional and Medical Center	1	0.3	0	0	0	0	1	0.3
Davao Regional Hospital	1	0.3	0	0	0	0	1	0.3
Dr. Paulino J. Garcia Memorial Research and Medical	3	1	0	0	0	0	3	1
Dr. Victor Potenciano Medical Center	0	0	0	0	0	0	0	0
East Avenue Medical Center	16	6	0	0	0	0	16	6
Eastern Visayas Regional Medical Center	2	1	0	0	0	0	2	1
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	5	0	0	0	0	14	5
Jose R. Reyes Memorial Medical Center	31	11	0	0	0	0	31	11
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)	11	4	0	0	0	0	11	4
Makati Medical Center	2	1	0	0	0	0	2	1
Mandaluyong City Medical Center	1	0.3	0	0	0	0	1	0.3
Manila Doctors Hospital	0	0	0	0	0	0	0	0
Manila East Medical Center	3	1	0	0	0	0	3	1
Mariano Marcos Memorial Medical Hospital	2	1	0	0	0	0	2	1
MCU-FDT Medical Foundation Hospital	4	1	0	0	0	0	4	1
Medical Center Parañaque, 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	2	1	0	0	0	0	2	1
Ospital ng Maynila Medical Center	4	1	0	0	0	0	4	1
Ospital ng Palawan	2	1	0	0	0	0	2	1
Ospital ng Tondo	8	3	0	0	0	0	8	3
Philippine Children's Medical Center	0	0	0	0	0	0	0	0
Philippine Orthopedic Center	3	1	0	0	0	0	3	1
Quezon City General Hospital	3	1	0	0	0	0	3	1
Quirino Memorial Medical Center	3	1	0	0	0	0	3	1
Region 1 Medical Center	13	5	0	0	0	0	13	5
Rizal Medical Center	8	3	0	0	0	0	8	3
San Juan De Dios Educational Foundation, Inc.	1	0.3	0	0	0	0	1	0.3
South Cotabato Provincial Hospital	6	2	0	0	0	0	6	2
Southern Isabela General Hospital	3	1	0	0	0	0	3	1
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	2	0	0	0	0	5	2
The Medical City	3	1	0	0	0	0	3	1
Tondo Medical Center	2	1	0	0	0	0	2	1
University of Perpetual Help Dalta Medical Center	1	0.3	0	0	0	0	1	0.3
University of Santo Tomas Hospital	3	1	0	0	0	0	3	1
UP-Philippine General Hospital	8	3	2	100	0	0	8	3
Valenzuela Medical Center	4	1	0	0	0	0	4	1
Veterans Regional Hospital	2	1	0	0	0	0	2	1
Vicente Sotto Memorial Medical Center	20	7	0	0	0	0	20	7
Western Visayas Medical Center	15	5	0	0	0	0	15	5
Western Visayas Sanitarium	4	1	0	0	0	0	4	1
Zamboanga City Medical Center	3	1	0	0	0	0	3	1
Total	286	100	2	100	0	0	288	100

Table 5. Status of Reporting and Monitoring by Region (N=60)
As of 6:00 AM January 3, 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	No
II	Cagayan Valley Medical Center*	Yes
	Southern Isabela General Hospital	No
	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	Yes
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	No
	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 Hospital	No
	Southern Philippines Medical Center	Yes
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	No
	MCU-FDT Medical Foundation Hospital	Yes
	Medical Center Parañaque, Incorporated	Yes
	National Children's Hospital	Yes
	Ospital ng Maynila Medical Center	No
	Ospital ng Tondo	No
	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	No
	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