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C.M.A.A

CAMBODIA MINE/ERW VICTIM INFORMATION SYSTEM

**MONTHLY REPORT
FOR
OCTOBER 2019**

Background

The Cambodia Mine/ERW Victim Information System (CMVIS) established in 1994 by the Cambodian Red Cross with technical and financial supported by Handicap International Belgium and UNICEF to provide systematic collection, analysis, interpretation and dissemination of information about civilian and military casualties of landmines, unexploded ordnance and other explosive remnants of war in Cambodia.

By the end of 2009, CMVIS was completely handed over from the Cambodian Red Cross to the Cambodian Mine Action and Victim Assistance Authority (CMAA) for full management responsibility.

Accident and Casualty Information

1- Total Casualties reported from January 1979 to October 2019

For the period of January 1979 to October 2019, a total of **64849** mine/ERW casualties were recorded by CMVIS data gatherers. All of the 64849 casualties:

- 51094 (79%) were mine casualties and 13755 (21%) were ERW casualties.
- 19779 (31%) people killed, 36024 (55%) people injured and 9046 (14%) people amputated.
- 52543 (81%) casualties were men, 6066 (9%) casualties were boys (age<18), 4787 (8%) casualties were women, 1390 (2%) casualties were girls (age<18) and 63 (0%) casualties were unknowns.

2- Accident Summary from January to October 2019

From January to October 2019, **48 mine/ERW accidents** were provisionally recorded. This figure for January to October 2019 represents an increase of 45% compared with 33 mine/ERW accidents reported from January to October 2018. Of the 48 mine/ERW accidents, 21 (44%) were mine accidents and 27 (56%) were ERW accidents.

3- Casualty Summary for January to October 2019

From January to October 2019, **71 mine/ERW casualties** were provisionally recorded. This figure from January to October 2019 represents an increase of 42% compared with 50 mine/ERW casualties reported from January to October 2018. All of the 71 casualties:

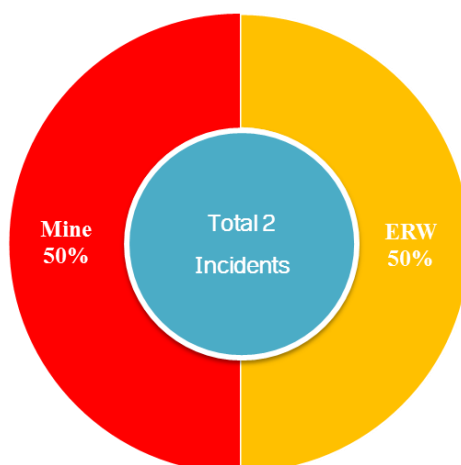
- 52 (73%) were ERW casualties, and 19 (27%) were mine casualties.
- 11 (16%) people killed, 47 (66%) people injured and 13 (18%) people amputated.
- 50 (70%) casualties were men, 15 (21%) casualties were boys (age<18), and 6 (9%) casualties were women.

4- Accident Summary for October 2019

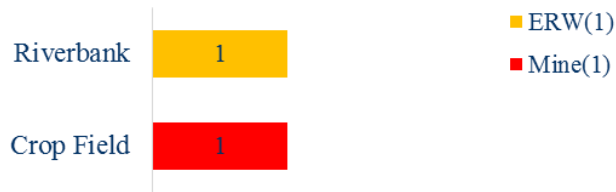
In October 2019, **2 Mine/ERW accidents** were provisionally recorded in Pursat province and Phnom Penh capital (CMVIS data gatherers collected information about accidents primarily through interviews with local authorities, Mine/ERW action agencies, relatives, families of casualties, or casualties them-selves). This figure for October 2019 is increased 100% compare with 1 accident reported in October 2018.

- **Type of explosive ordnance**

Number of incidents caused by Mine/ERW



- **Information about accident area for October 2019**



5- Casualty Summary for October 2019

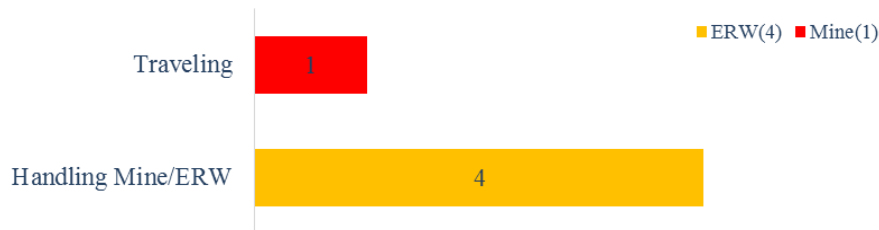
In October 2019, **5 Mine/ERW casualties** were provisionally recorded. This figure for October 2019 is increased 400% compare with 1 casualty reported in October 2018. Of the 5 casualty:

- 1 (20%) was mine casualty, and 4 (80%) were ERW casualties.
- 1 (20%) people amputated, and 4 (80%) people injured.
- 5 (100%) casualties were men.

Activity at the time of accident

In October 2019, the activity caused people injured by Mine/ERW were Handling Mine/ERW accounted for 4 (80%), and Traveling accounted for 1 (20%).

Activity at the time of accident for October 2019

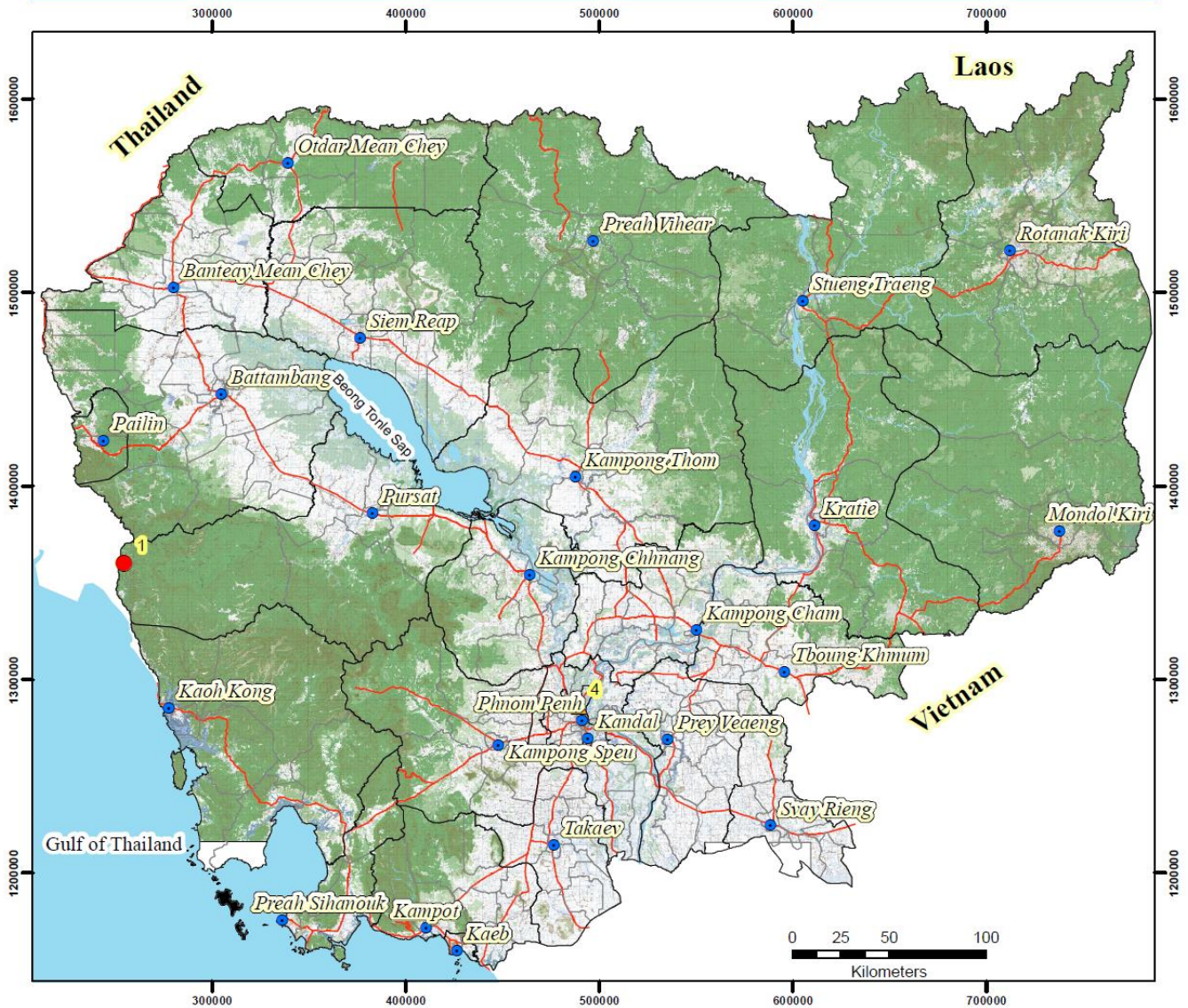


6- Impact of accident area for the period of January 2018 to October 2019 (129 casualties)

- 05 most affected provinces represent for **54%** of total casualties.
- 10 most affected districts represent for **56%** of total casualties.
- 10 most affected communes represent for **40%** of total casualties.

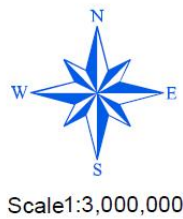
For detailed information, please see on page 7.

CAMBODIA MINE VICTIM INFORMATION SYSTEM
MINE/ERW Accident location in October 2019
Accident: 02, Casualty: 05



Legend

- ▲ ERW accident
- Mine accident
- Province_Centers
- Province Boundary
- District Boundary
- Water surface
- National Road



Produced by CMVIS, Nov 2019

Further analysis and detailed Mine/ERW casualty/accident information are available on request, including the production of risk-maps and the provision of village level data. For customised reports more suited to your organisation's needs, contact CMVIS office: ketya@cmaa.gov.kh

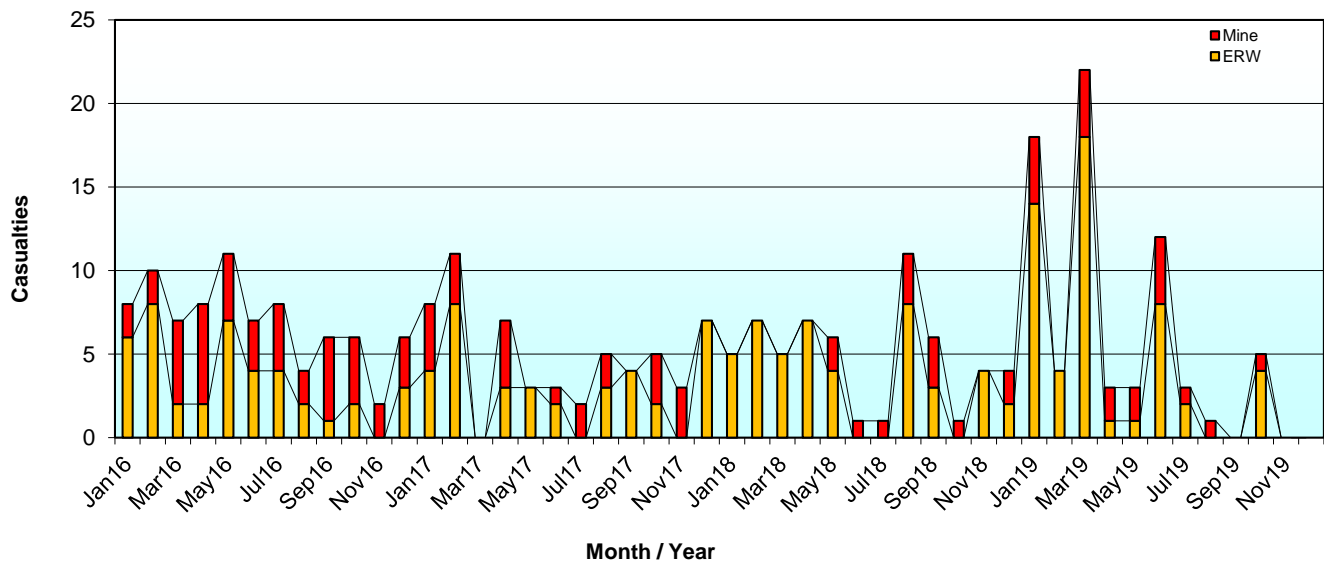
Casualty Trend

Report Mine/ERW Casualties for the Period of: January 2016 - October 2019

Year	Casualties by Month												Total
	Jan	Feb	Mar	April	May	Jun	July	Aug	Sept	Oct	Nov	Dec	
2016	8	10	7	8	11	7	8	4	6	6	2	6	83
<i>Running Total 2016</i>	8	18	25	33	44	51	59	63	69	75	77	83	
2017	8	11	0	7	3	3	2	5	4	5	3	7	58
<i>Running Total 2017</i>	8	19	19	26	29	32	34	39	43	48	51	58	
% change 2016 to 2017	0.0	5.6	-24.0	-21.2	-34.1	-37.3	-42.4	-38.1	-37.7	-36.0	-33.8	-30.1	
2018	5	7	5	7	6	1	1	11	6	1	4	4	58
monthly change +/- from 2017	-3	-4	5	0	3	-2	-1	6	2	-4	1	-3	
monthly change % from 2017	-38	-36	100	0	100	-67	-50	120	50	-80	33	-43	
<i>Running Total 2018</i>	5	12	17	24	30	31	32	43	49	50	54	58	
% change 2017 to 2018	-37.5	-36.8	-10.5	-7.7	3.4	-3.1	-5.9	10.3	14.0	4.2	5.9	0.0	
2019	18	4	22	3	3	12	3	1	0	5			71
monthly change +/- from 2018	13	-3	17	-4	-3	11	2	-10	-6	4			
monthly change % from 2018	260	-43	340	-57	-50	1100	200	-91	-100	400			
<i>Running Total 2019</i>	18	22	44	47	50	62	65	66	66	71			
% change 2018 to 2019	260	83.3	158.8	95.8	66.7	100	103.1	53.5	34.7	42			

Note: Casualty figures for prior months are continually updated and verified as a part of the on-going data collection process.

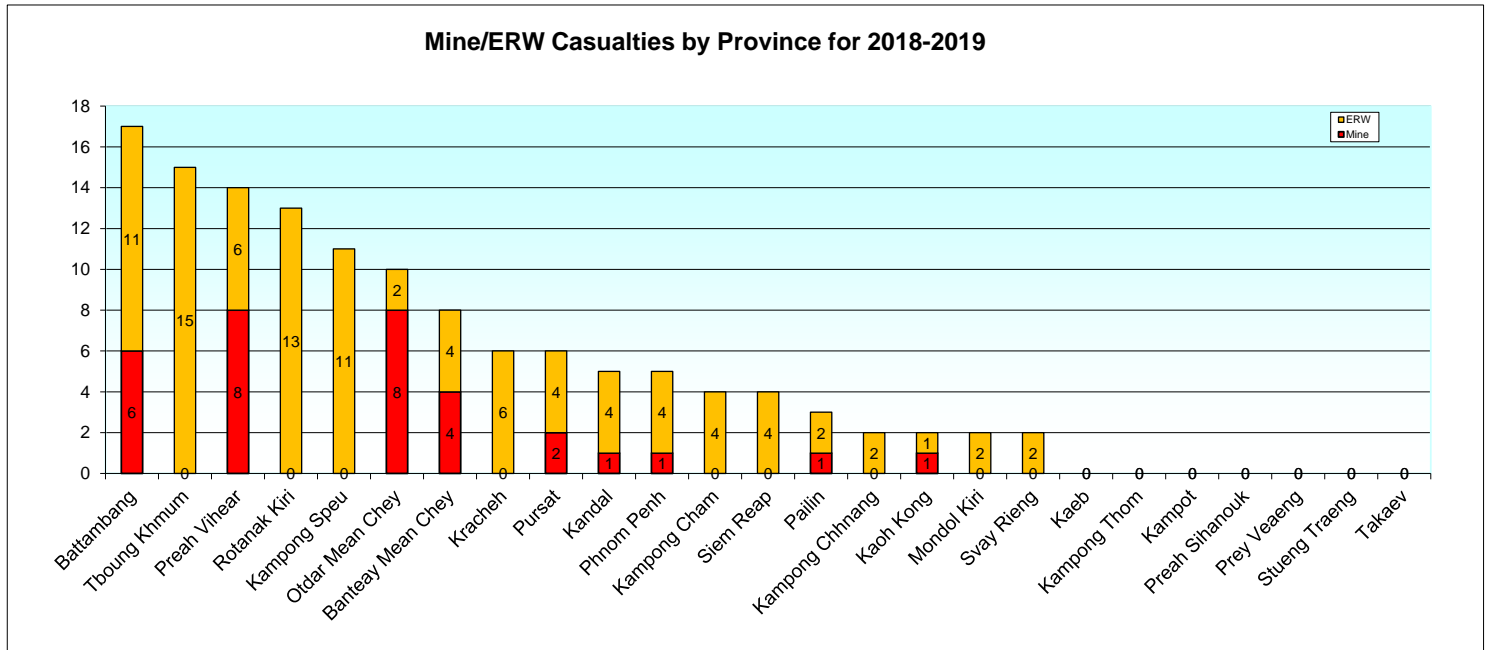
Chart Mine/ERW Casualties for the Period of: January 2016 - October 2019



Monthly Mine/ERW Accident Casualties: Jan2018 - Oct2019

Provinces ranked by Total Mine/ERW Casualties for 2018 - 2019

Province	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Total 2018		Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Total 2019		Cum. Total	% of Total	Cum. %
	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.			
Battambang	1	0	0	4	0	0	0	0	0	0	0	3	8	2	2	2	1	0	1	1	0	0	0	0	0	0	9	17	17	13.2	13
Tboung Khmum	0	0	0	0	0	0	0	0	0	0	1	0	1	10	0	4	0	0	0	0	0	0	0	0	0	0	14	15	32	11.6	25
Preah Vihear	0	0	0	0	1	1	0	1	4	1	0	0	8	2	0	0	2	0	2	0	0	0	0	0	0	0	6	14	46	10.9	36
Rotanak Kiri	0	2	0	0	0	0	0	0	0	0	0	0	2	1	2	8	0	0	0	0	0	0	0	0	0	0	11	13	59	10.1	46
Kampong Speu	2	0	5	0	0	0	0	4	0	0	0	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	70	8.5	54
Otdar Mean Chey	0	0	0	0	0	0	1	2	0	0	2	0	5	0	0	3	0	0	1	1	0	0	0	0	0	0	5	10	80	7.8	62
Banteay Mean Chey	0	0	0	0	2	0	0	1	0	0	0	0	3	2	0	2	0	1	0	0	0	0	0	0	0	0	5	8	88	6.2	68
Kracheh	0	0	0	1	0	0	0	0	2	0	0	0	3	1	0	1	0	0	0	1	0	0	0	0	0	0	3	6	94	4.7	73
Pursat	1	0	0	0	0	0	0	1	0	0	1	0	3	0	0	1	0	0	0	0	1	0	1	0	0	0	3	6	100	4.7	78
Kandal	0	0	0	2	0	0	0	0	0	0	0	0	2	0	0	0	0	1	2	0	0	0	0	0	0	0	3	5	105	3.9	81
Phnom Penh	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	4	0	0	4	5	110	3.9	85	
Siem Reap	0	1	0	0	2	0	0	0	0	0	0	0	3	0	0	0	0	1	0	0	0	0	0	0	0	1	4	114	3.1	88	
Kampong Cham	0	2	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2	0	0	0	0	0	0	0	2	4	118	3.1	91
Pailin	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	0	0	0	0	0	0	0	2	3	121	2.3	94
Mondol Kiri	0	2	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	123	1.6	95
Svay Rieng	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2	2	125	1.6	97
Kaoh Kong	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	2	127	1.6	98
Kampong Chhnang	0	0	0	0	0	0	0	2	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	129	1.6	100
Preah Sihanouk	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	129	0	100
Stueng Traeng	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	129	0	100
Takaev	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	129	0	100
Kampot	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	129	0	100
Kampong Thom	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	129	0	100
Kaeb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	129	0	100
Prey Veaeang	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	129	0	100
TOTAL	5	7	5	7	6	1	1	11	6	1	4	4	58	18	4	22	3	3	12	3	1	0	5	0	0	71	129				



5 Most Affected Provinces for Mine / ERW Casualties

Ranked by Total Casualties

Jan2018 - Oct2019

Rank	Province	Mine Casualties	ERW Casualties	Total Casualties	Cumulative Total
1	Battambang	6	11	17	17
2	Tboung Khmum	0	15	15	32
3	Preah Vihear	8	6	14	46
4	Rotanak Kiri	0	13	13	59
5	Kampong Speu	0	11	11	70

10 Most Affected Districts for Mine / ERW Casualties

Ranked by Total Casualties

Jan2018 - Oct2019

Rank	District	Province	Mine Casualties	ERW Casualties	Total Casualties	Cumulative Total
1	Tboung Khmum	Tboung Khmum	0	12	12	12
2	Choam Khsant	Preah Vihear	7	5	12	24
3	Phnum Sruoch	Kampong Speu	0	11	11	35
4	Ou Ya Dav	Rotanak Kiri	0	8	8	43
5	Samlout	Battambang	4	4	8	51
6	Snuol	Kracheh	0	5	5	56
7	Ta Veang	Rotanak Kiri	0	5	5	61
8	Trapeang Prasat	Otdar Mean Chey	5	0	5	66
9	Ruessei Kaev	Phnom Penh	0	4	4	70
10	Kamrieng	Battambang	0	3	3	73

10 Most Affected Communes for Mine / ERW Casualties

Ranked by Total Casualties

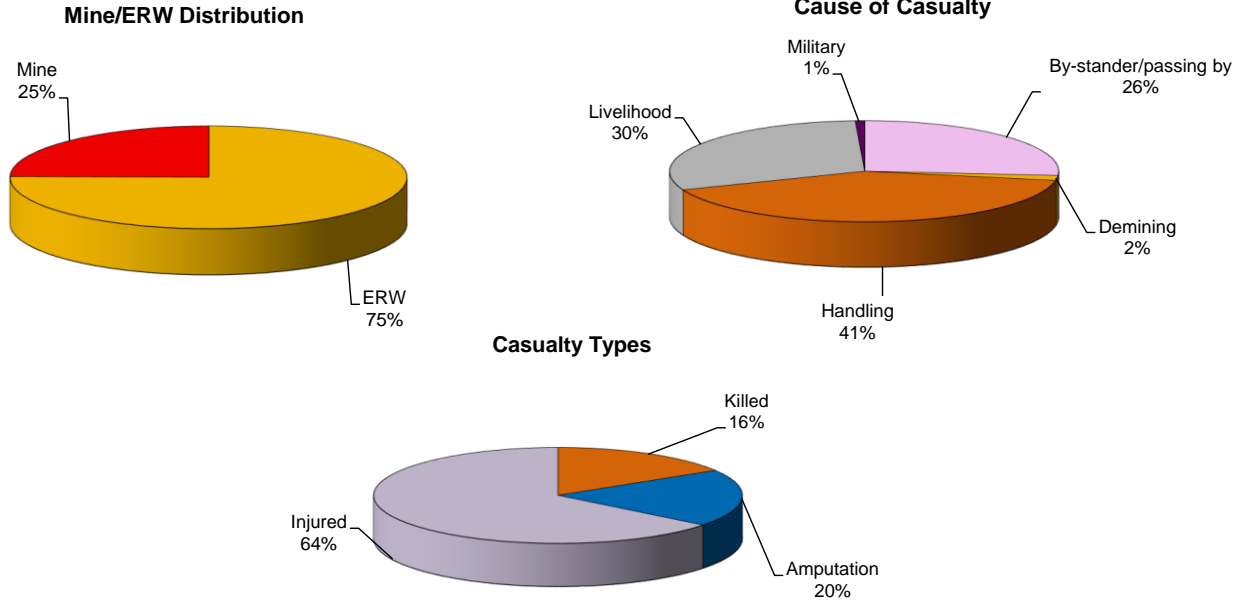
Jan2018 - Oct2019

Rank	Commune	District	Province	Mine Casualties	ERW Casualties	Total Casualties	Cum. Total
1	Chirou Muoy	Tboung Khmum	Tboung Khmum	0	10	10	10
2	Moha Sang	Phnum Sruoch	Kampong Speu	0	9	9	19
3	Ya Tung	Ou Ya Dav	Rotanak Kiri	0	5	5	24
4	Ta Veang Kraom	Ta Veang	Rotanak Kiri	0	5	5	29
5	Choam Ksant	Choam Khsant	Preah Vihear	3	1	4	33
6	Kampong Lpou	Samlout	Battambang	0	4	4	37
7	Morokot	Choam Khsant	Preah Vihear	4	0	4	41
8	Chrang Chamreh Pir	Ruessei Kaev	Phnom Penh	0	4	4	45
9	Koun Kriel	Samraong	Otdar Mean Chey	3	0	3	48
10	Ta Taok	Samlout	Battambang	3	0	3	51

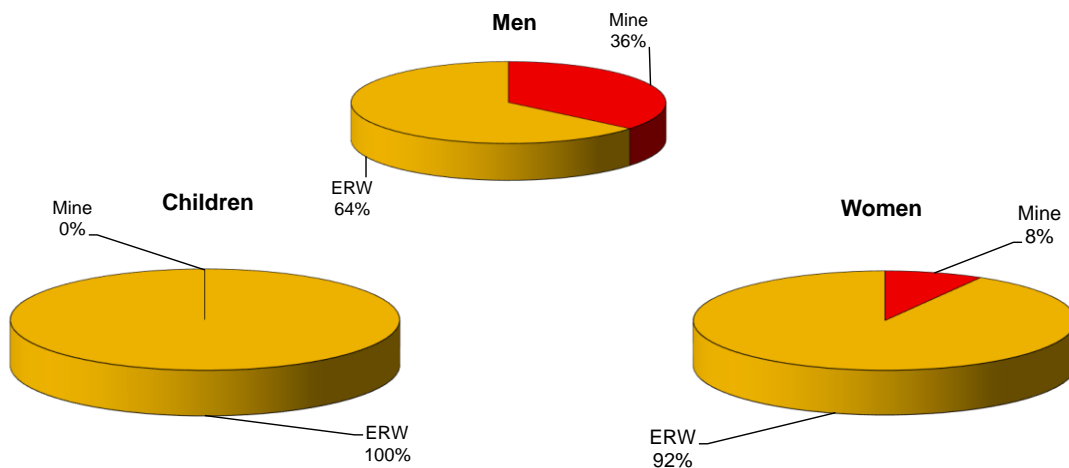
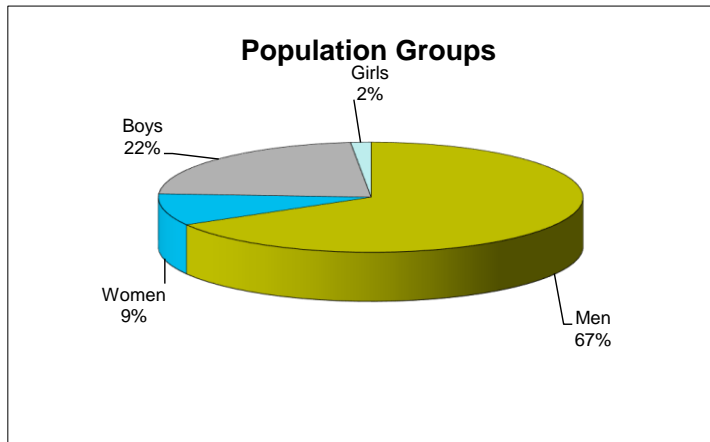
OVERVIEW OF MINE/ERW ACCIDENTS

Jan2018 - Oct2019

Total Number of Casualties during Reporting Period: 129



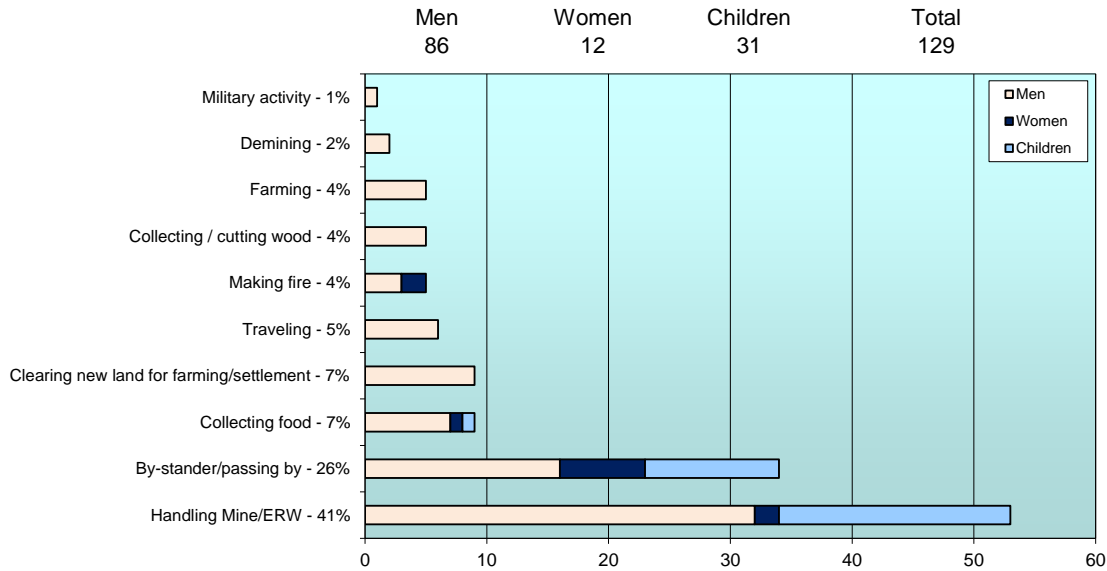
MINE/ERW ACCIDENT OVERVIEW



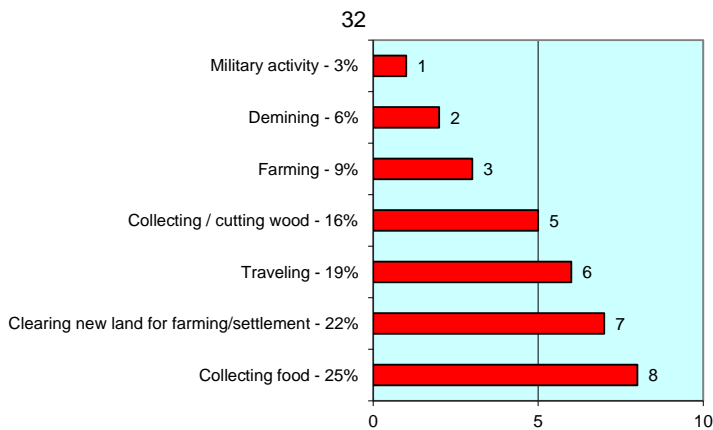
Jan2018 - Oct2019

Number of accidents during Reporting Period: **129**

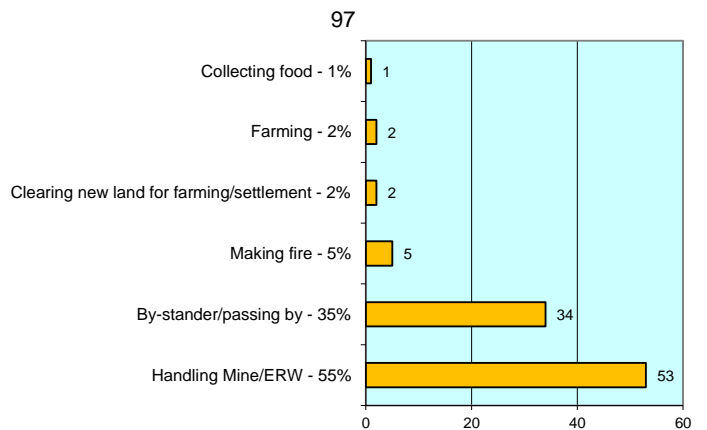
Cause of Accident by Total Population Group



Activities - Mines

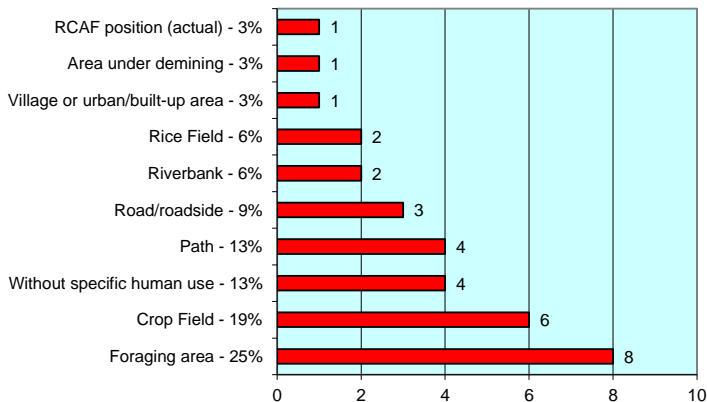


Activities - ERW



Mine/ERW Accidents by Terrain Type

Terrain - Mines



Terrain - ERW

