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C.M.A.A

CAMBODIA MINE/ERW VICTIM INFORMATION SYSTEM

**MONTHLY REPORT
FOR
JULY 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 July 2019

For the period of January 1979 to July 2019, a total of **64843** mine/ERW casualties were recorded by CMVIS data gatherers. All of the 64843 casualties:

- 51092 (79%) were mine casualties and 13751 (21%) were ERW casualties.
- 19779 (31%) people killed, 36019 (55%) people injured and 9045 (14%) people amputated.
- 52537 (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 July 2019

From January to July 2019, **45 mine/ERW accidents** were provisionally recorded. This figure for January to July 2019 represents an increase of 105% compared with 22 mine/ERW accidents reported from January to July 2018. Of the 45 mine/ERW accidents, 19 (42%) were mine accidents and 26 (58%) were ERW accidents.

3- Casualty Summary for January to July 2019

From January to July 2019, **65 mine/ERW casualties** were provisionally recorded. This figure from January to July 2019 represents an increase of 103% compared with 32 mine/ERW casualties reported from January to July 2018. All of the 65 casualties:

- 48 (74%) were ERW casualties, and 17 (26%) were mine casualties.
- 11 (17%) people killed, 42 (65%) people injured and 12 (18%) people amputated.
- 44 (68%) casualties were men, 15 (23%) casualties were boys (age<18), and 6 (9%) casualties were women.

4- Accident Summary for July 2019

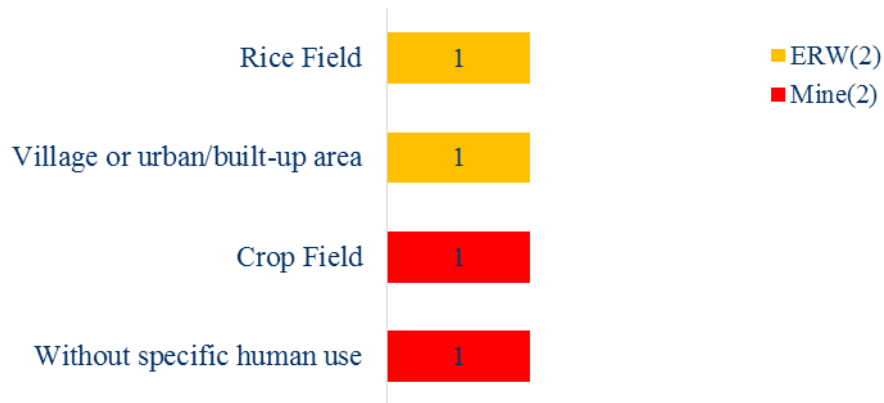
In July 2019, **4 Mine/ERW accidents** were provisionally recorded in the provinces of Otdar Meanchey, Battambang, and Kratie (CMVIS data gatherers collected information about accidents primarily through interviews with local authorities, Mine/ERW action agencies, relatives, families of casualties, or casualties them-selves). This figure for July 2019 is increased 300% compare with 1 accident reported in July 2018. Of 4 Mine/ERW accidents, 2 (50%) were mine accidents, and 2 (50%) were ERW accidents.

- **Type of explosive ordnance**

Number of incidents caused by Mine/ERW



• **Information about accident area for July 2019**



5- Casualty Summary for July 2019

In July 2019, **3 Mine/ERW casualties** were provisionally recorded. This figure for July 2019 is increased 200% compare with 1 casualty reported in July 2018. Of the 3 casualties:

- 2 (67%) was ERW casualty, and 1 (33%) were mine casualties.
- 3 (100%) people injured.
- 1 (33%) casualty was man, and 2 (67%) casualties were boys (age<18).

Activity at the time of accident

Mine/ERW casualties are associated with different set of activities. In July 2019, the most of activities caused people injured by mines and ERW were Handling Mine/ERW accounted for 1 (33%), Collecting food accounted for 1 (33%), and Clearing new land accounted for 1 (33%).

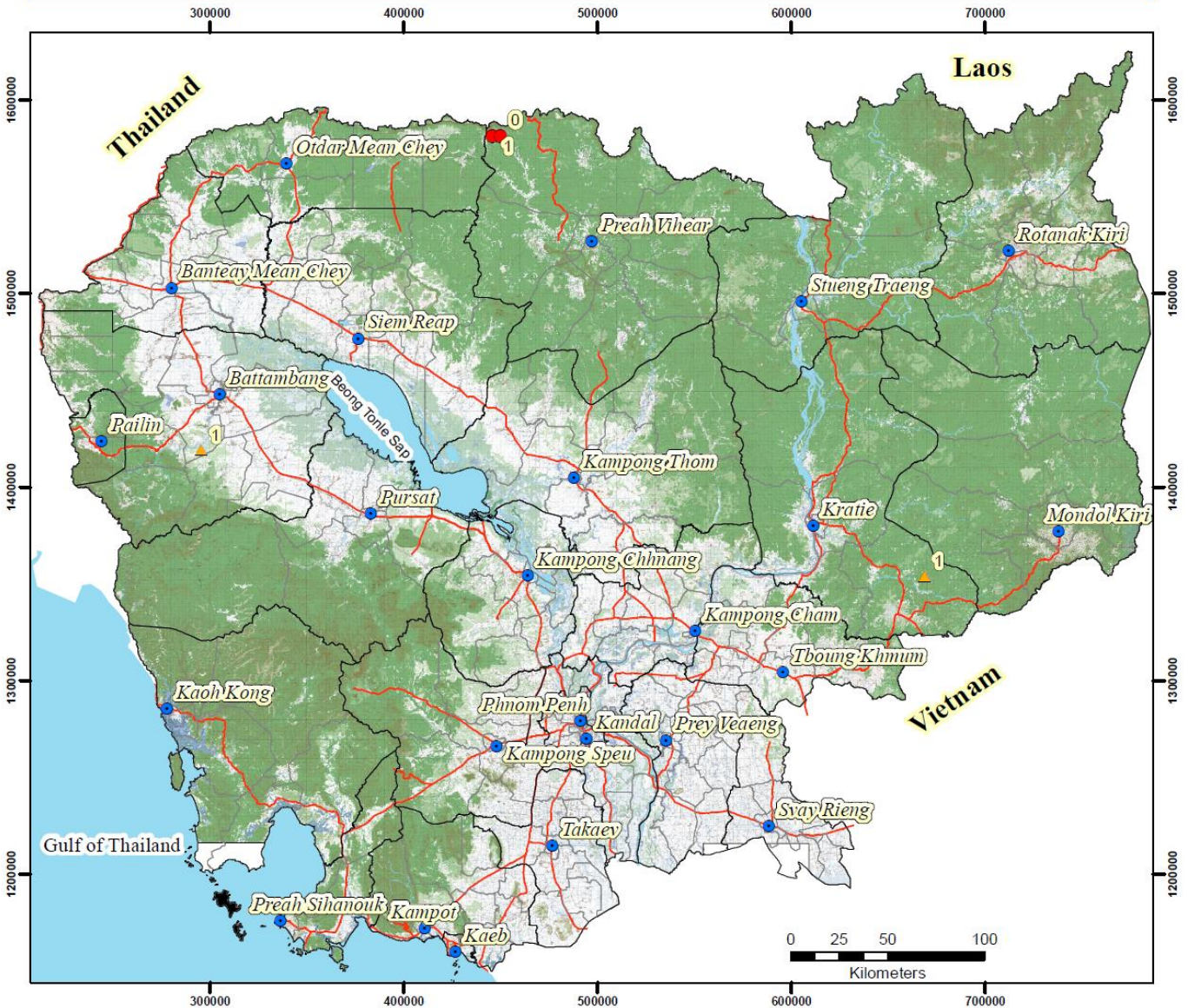
Activity at the time of accident for July 2019



6- Impact of accident area for the period of January 2018 to July 2019 (123 casualties)

- 05 most affected provinces represent for **57%** of total casualties.
 - 10 most affected districts represent for **59%** of total casualties.
 - 10 most affected communes represent for **41%** of total casualties.
- For detailed information, please see on page 7.

CAMBODIA MINE VICTIM INFORMATION SYSTEM
MINE/ERW Accident location in July 2019
Accidents: 04, Casualties: 03



Legend

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



Scale: 1:3,000,000



Produced by CMVIS, Aug 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

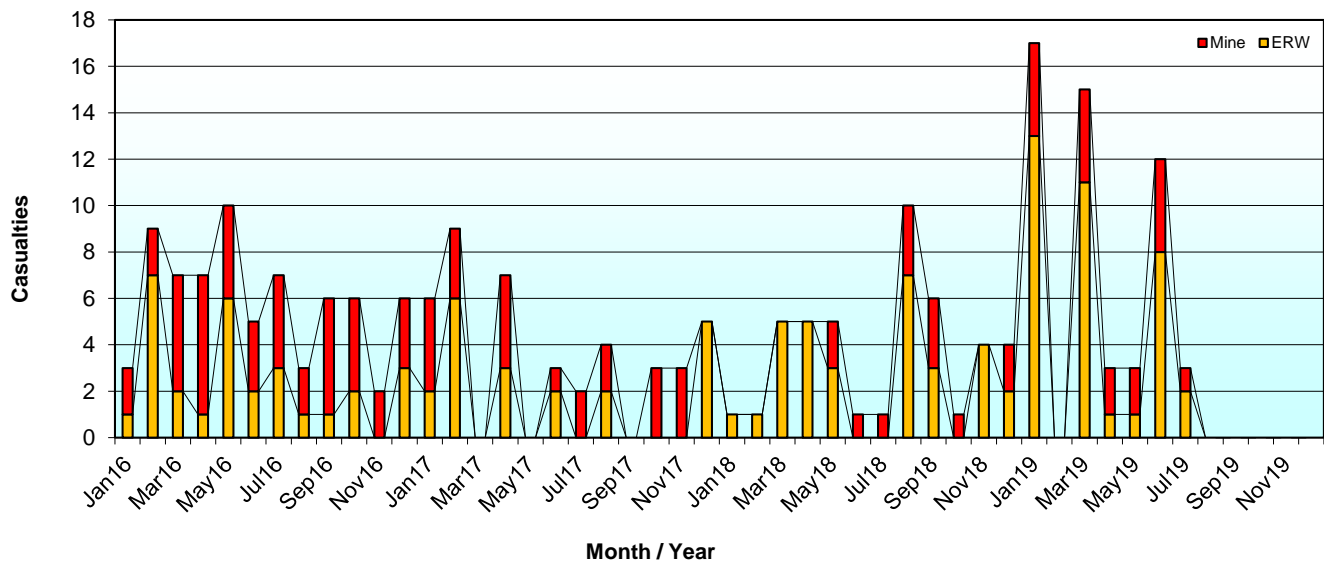
Casualty Trend

Report Mine/ERW Casualties for the Period of: January 2016 - July 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						65
monthly change +/- from 2018	13	-3	17	-4	-3	11	2						
monthly change % from 2018	260	-43	340	-57	-50	1100	200						
<i>Running Total 2019</i>	18	22	44	47	50	62	65						
% change 2018 to 2019	260	83.3	158.8	95.8	66.7	100	103.1						

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

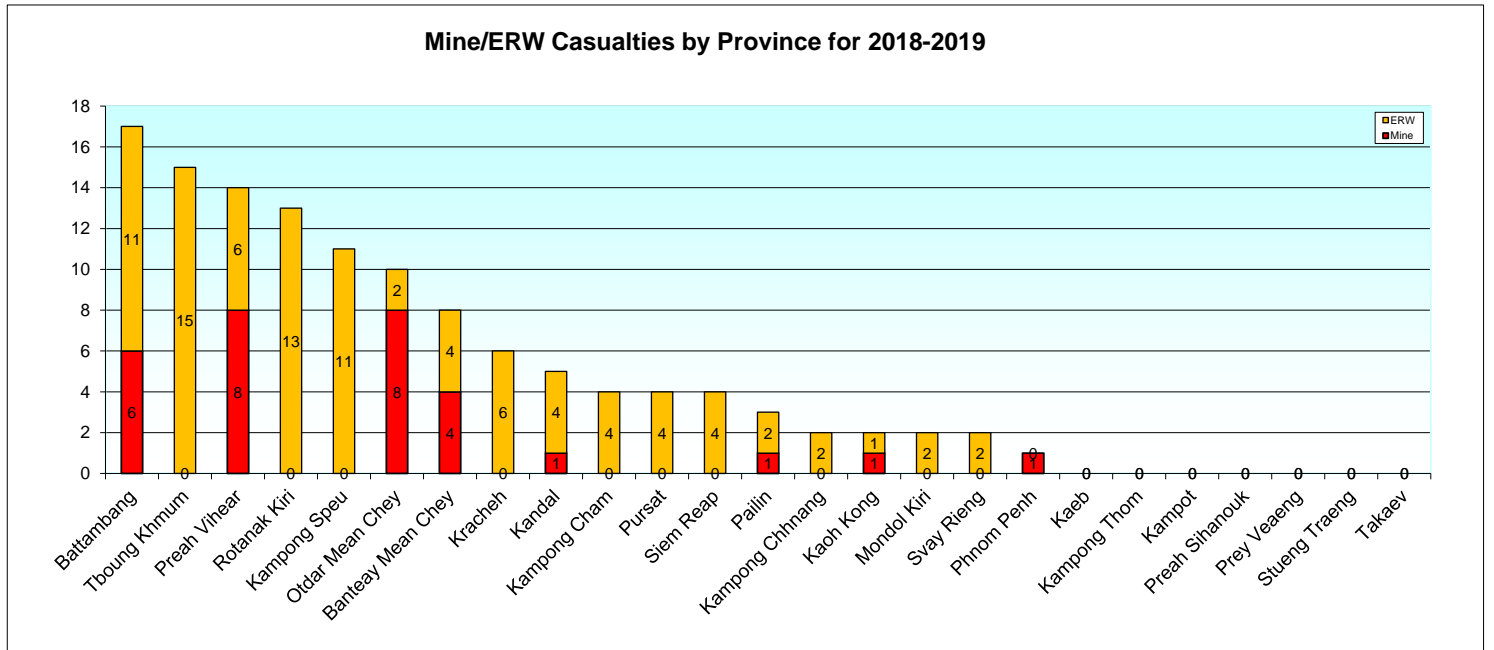
Chart Mine/ERW Casualties for the Period of: January 2016 - July 2019



Monthly Mine/ERW Accident Casualties: Jan2018 - Jul2019

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

Province	2018												2019												Total 2018-2019	Cum. Total	% of Total	Cum. %	
	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19					
Battambang	1	0	0	4	0	0	0	0	0	0	3	8	2	2	2	1	0	1	1	0	0	0	0	9	17	17	13.8	14	
Tboung Khmum	0	0	0	0	0	0	0	0	0	0	1	1	10	0	4	0	0	0	0	0	0	0	0	0	14	15	32	12.2	26
Preah Vihear	0	0	0	0	1	1	0	1	4	1	0	8	2	0	0	2	0	2	0	0	0	0	0	0	6	14	46	11.4	37
Rotanak Kiri	0	2	0	0	0	0	0	0	0	0	0	2	1	2	8	0	0	0	0	0	0	0	0	0	11	13	59	10.6	48
Kampong Speu	2	0	5	0	0	0	0	4	0	0	0	11	0	0	0	0	0	0	0	0	0	0	0	0	11	11	70	8.9	57
Otdar Mean Chey	0	0	0	0	0	0	1	2	0	0	2	5	0	0	3	0	0	1	1	0	0	0	0	5	10	80	8.1	65	
Banteay Mean Chey	0	0	0	0	2	0	0	1	0	0	0	3	2	0	2	0	1	0	0	0	0	0	0	5	8	88	6.5	72	
Kracheh	0	0	0	1	0	0	0	0	2	0	0	3	1	0	1	0	0	0	1	0	0	0	0	3	6	94	4.9	76	
Kandal	0	0	0	2	0	0	0	0	0	0	0	2	0	0	0	0	1	2	0	0	0	0	0	3	5	99	4.1	80	
Kampong Cham	0	2	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2	0	0	0	0	0	2	4	103	3.3	84	
Pursat	1	0	0	0	0	0	0	1	0	0	1	3	0	0	1	0	0	0	0	0	0	0	0	1	4	107	3.3	87	
Siem Reap	0	1	0	0	2	0	0	0	0	0	0	3	0	0	0	0	1	0	0	0	0	0	0	1	4	111	3.3	90	
Pailin	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	0	0	0	0	0	2	3	114	2.4	93	
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	2	2	116	1.6	94	
Kampong Chhnang	0	0	0	0	0	0	0	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2	2	118	1.6	96
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	1	2	120	1.6	98	
Mondol Kiri	0	2	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2	122	1.6	99	
Phnom Penh	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	123	0.8	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	123	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	123	0	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	123	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	123	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	123	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	123	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	123	0	100	
TOTAL	5	7	5	7	6	1	1	11	6	1	4	4	58	18	4	22	3	3	12	3	0	0	0	65	123				



5 Most Affected Provinces for Mine / ERW Casualties

Ranked by Total Casualties

Jan2018 - Jul2019

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 - Jul2019

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	Kamrieng	Battambang	0	3	3	69
10	Rotanak Mondol	Battambang	2	1	3	72

10 Most Affected Communes for Mine / ERW Casualties

Ranked by Total Casualties

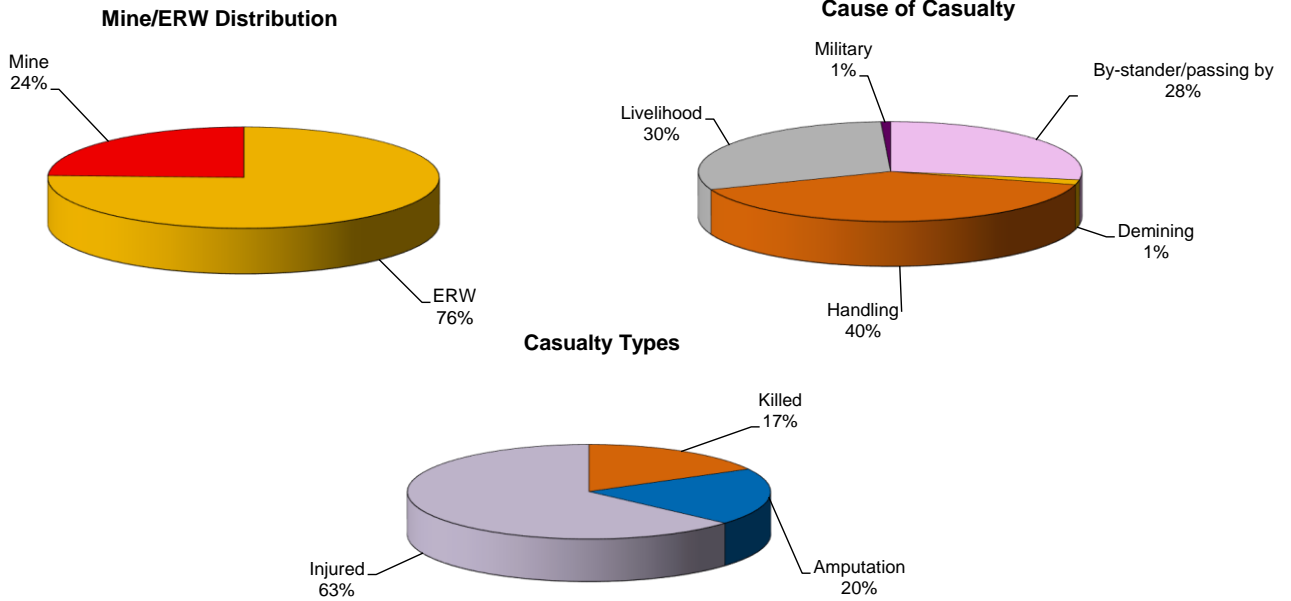
Jan2018 - Jul2019

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	Morokot	Choam Khsant	Preah Vihear	4	0	4	33
6	Choam Ksant	Choam Khsant	Preah Vihear	3	1	4	37
7	Kampong Lpou	Samlout	Battambang	0	4	4	41
8	Ou Da	Kamrieng	Battambang	0	3	3	44
9	Ta Taok	Samlout	Battambang	3	0	3	47
10	Koun Kriel	Samraong	Otdar Mean Chey	3	0	3	50

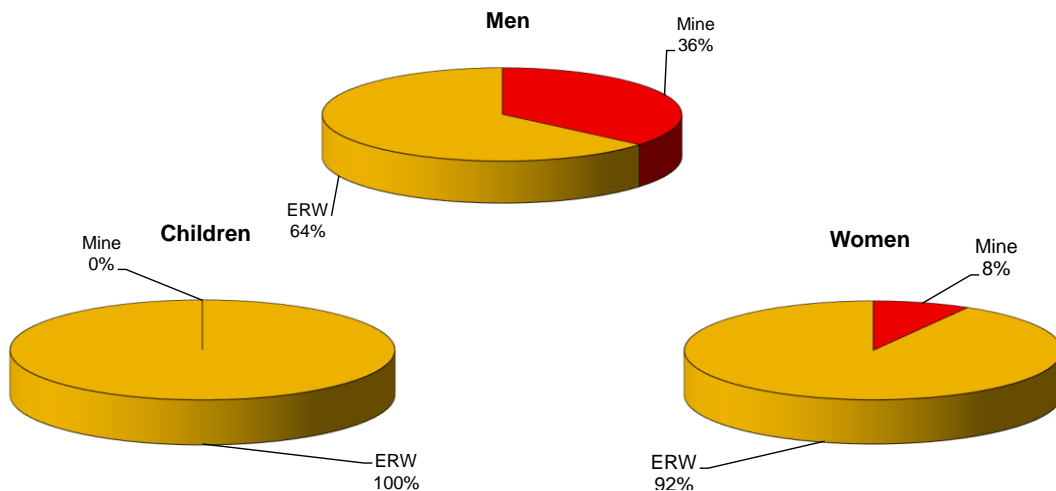
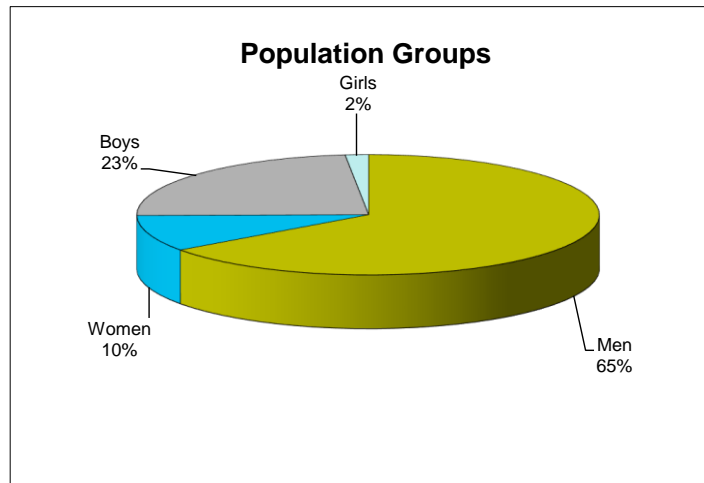
OVERVIEW OF MINE/ERW ACCIDENTS

Jan2018 - Jul2019

Total Number of Casualties during Reporting Period: 123



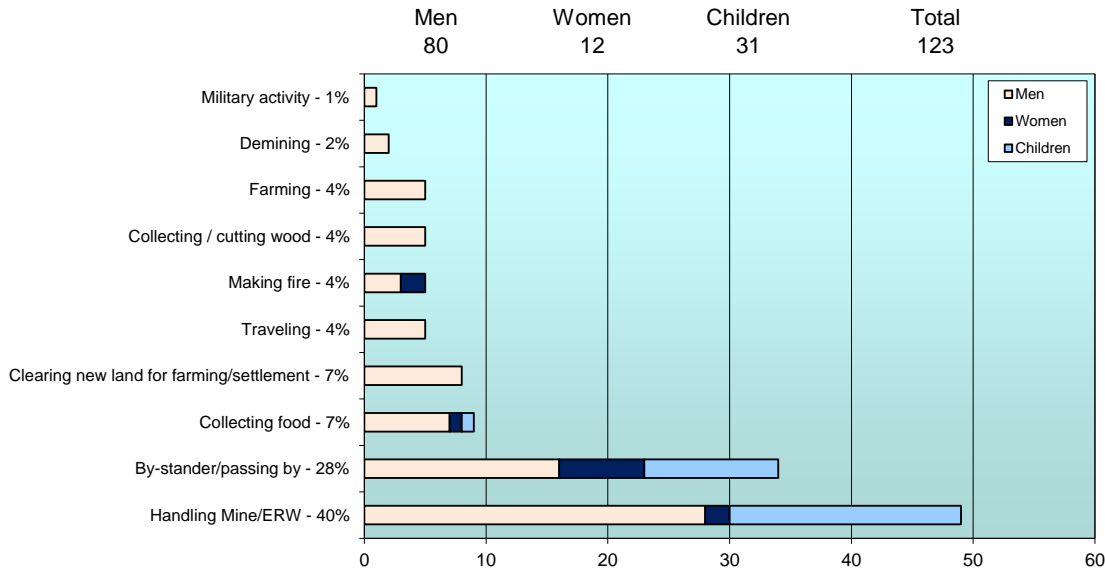
MINE/ERW ACCIDENT OVERVIEW



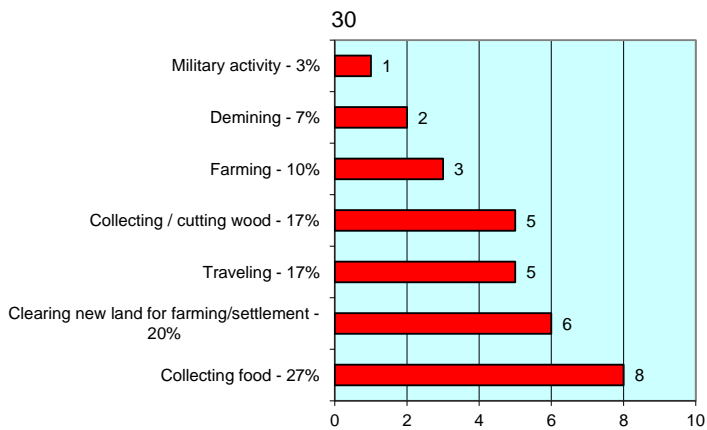
Jan2018 - Jul2019

Number of accidents during Reporting Period: **123**

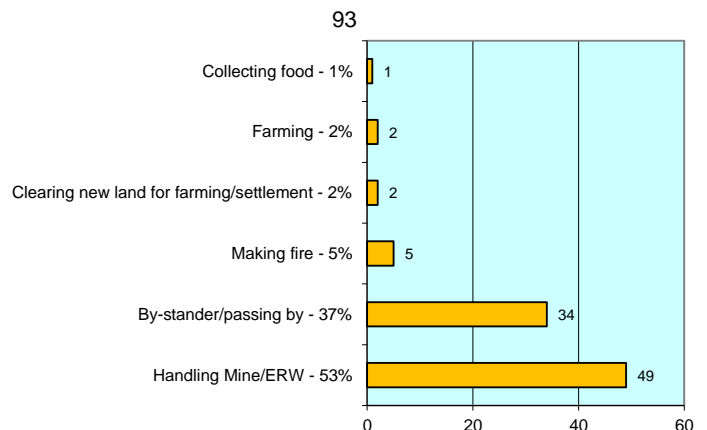
Cause of Accident by Total Population Group



Activities - Mines

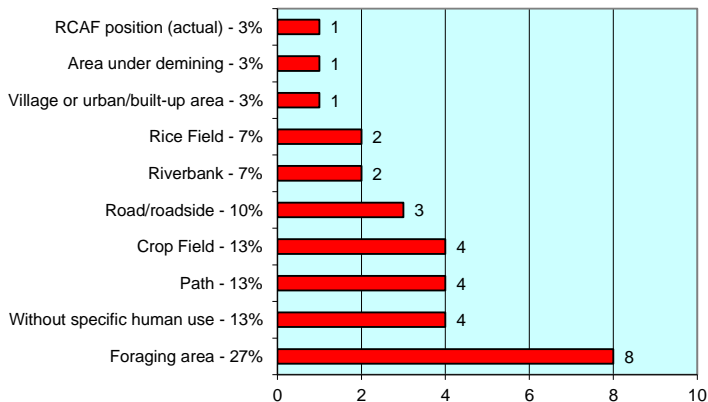


Activities - ERW



Mine/ERW Accidents by Terrain Type

Terrain - Mines



Terrain - ERW

