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C.M.A.A

CAMBODIA MINE/ERW VICTIM INFORMATION SYSTEM

**MONTHLY REPORT
FOR
MAY 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 May 2019

For the period of January 1979 to May 2019, a total of **64828** mine/ERW casualties were recorded by CMVIS data gatherers. All of the 64828 casualties:

- 51087 (79%) were mine casualties and 13741 (21%) were ERW casualties.
- 19776 (31%) people killed, 36009 (55%) people injured and 9043 (14%) people amputated.
- 52531 (81%) casualties were men, 6060 (9%) casualties were boys (age<18), 4784 (8%) casualties were women, 1390 (2%) casualties were girls (age<18) and 63 (0%) casualties were unknowns.

2- Accident Summary from January to May 2019

From January to May 2019, **29 mine/ERW accidents** were provisionally recorded. This figure for January to May 2019 represents an increase of 45% compared with 20 mine/ERW accidents reported from January to May 2018. Of the 29 mine/ERW accidents, 10 (34%) were mine accidents and 19 (66%) were ERW accidents.

3- Casualty Summary for January to May 2019

From January to May 2019, **50 mine/ERW casualties** were provisionally recorded. This figure from January to May 2019 represents an increase of 67% compared with 30 mine/ERW casualties reported from January to May 2018. All of the 50 casualties:

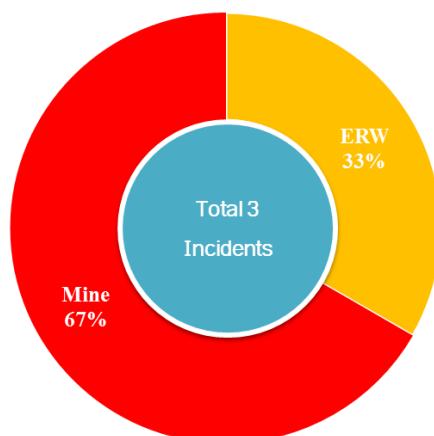
- 38 (76%) were ERW casualties, and 12 (24%) were mine casualties.
- 8 (16%) people killed, 32 (64%) people injured and 10 (20%) people amputated.
- 38 (76%) casualties were men, 9 (18%) casualties were boys (age<18), and 3 (6%) casualties were women.

4- Accident Summary for May 2019

In May 2019, **3 Mine/ERW accidents** were provisionally recorded in the provinces of Banteay Meanchey, Siem Reap, and Kandal (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 May 2019 is decreased 40% compare with 5 accidents reported in May 2018. Of 3 Mine/ERW accidents, 2 (67%) were mine accidents, and 1 (33%) was ERW accident.

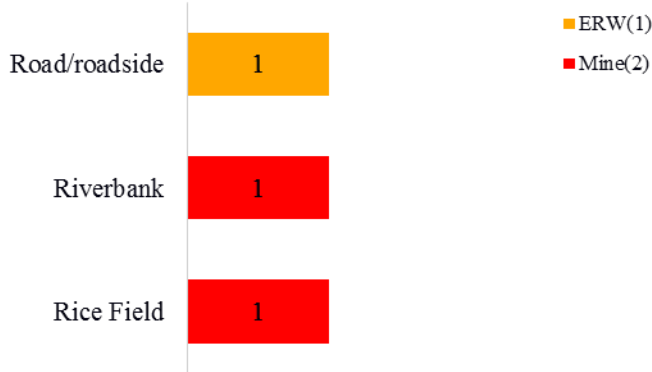
- **Type of explosive ordnance**

Number of incidents caused by Mine/ERW



- **Information about accident area**
 - 1 accidents occurred in Road/roadside area
 - 1 accidents occurred in Riverbank area
 - 1 accident occurred in Rice field area.

Information on the accident area for May 2019



5- Casualty Summary for May 2019

In May 2019, **3 Mine/ERW casualties** were provisionally recorded. This figure for May 2019 is decreased 50% compare with 6 casualties reported in May 2018. Of the 3 casualties:

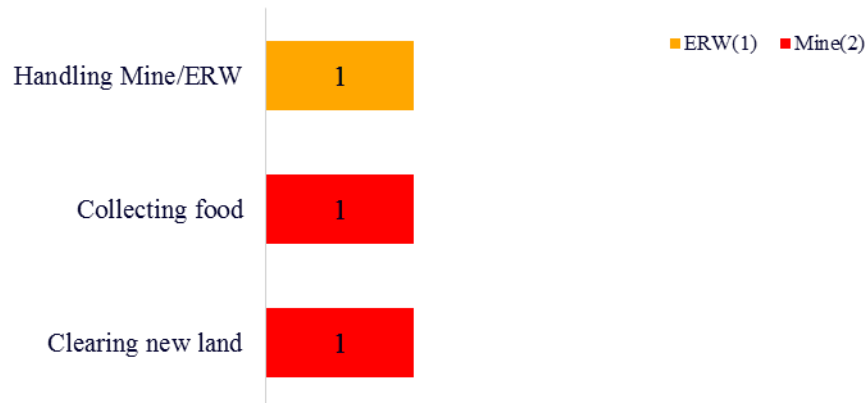
- 1 (33%) was ERW casualty, and 2 (67%) were mine casualties.
- 2 (67%) people injured, and 1 (33%) people amputated.
- 2 (67%) casualties were men and 1(33%) casualty was a woman.

Activity at the time of accident

The activities caused people killed/injured by Mine/ERW as follow:

- Clearing Land for Agriculture activity (1 casualty)
- Collecting food activity (1 casualty)
- Handling Mine/ERW activity (1 casualty)

Activity at the time of accident for May 2019

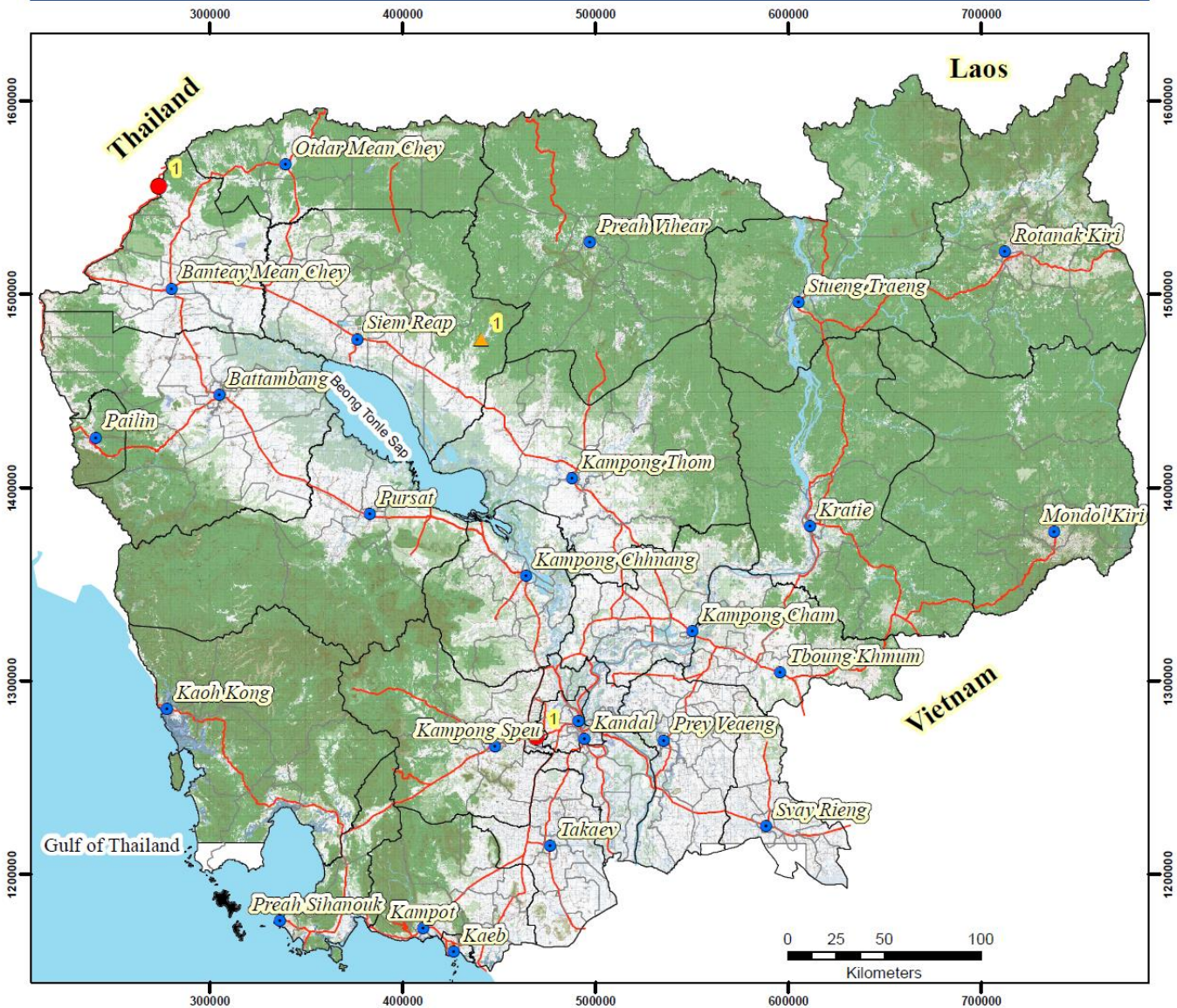


6- Impact of accident area for the period of January 2018 to May 2019 (108 casualties)

- 05 most affected provinces represent for **61%** of total casualties.
- 10 most affected districts represent for **61%** of total casualties.
- 10 most affected communes represent for **44%** of total casualties.

For detailed information, please see on page 7.

CAMBODIA MINE VICTIM INFORMATION SYSTEM
MINE/ERW Accident location in May 2019
Accidents: 3, Casualties: 3



Legend

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



Scale 1:3,000,000



Produced by CMVIS, June 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

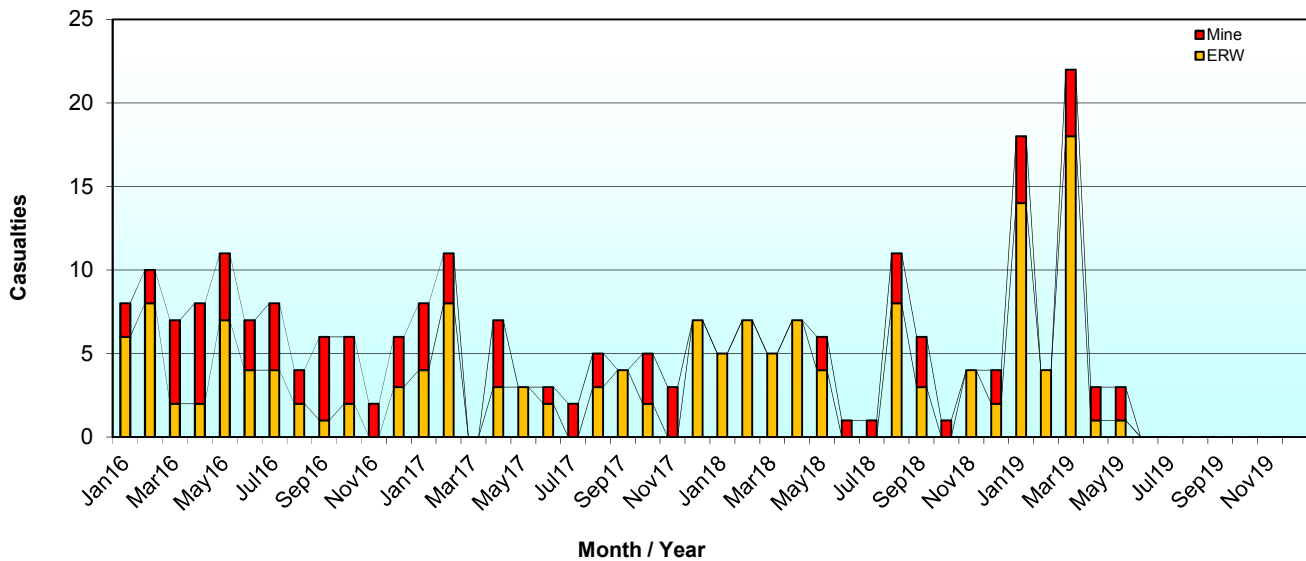
Casualty Trend

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

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 - May 2019

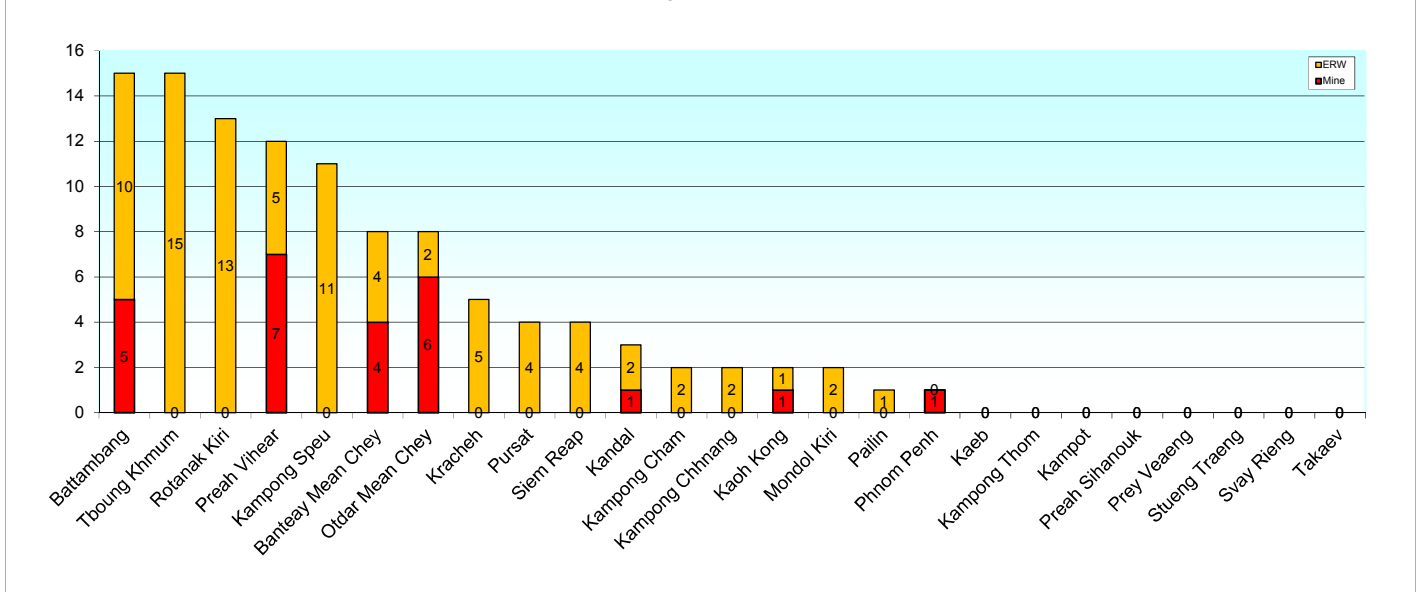


Monthly Mine/ERW Accident Casualties: Jan2018 - May2019

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	Total 2018-2019	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.					
Battambang	1	0	0	4	0	0	0	0	0	0	0	3	8	2	2	1	0	0	0	0	0	0	0	0	7	15	15	13.9	14	
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	14	15	30	13.9	28	
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	11	13	43	12	40	
Preah Vihear	0	0	0	0	1	1	0	1	4	1	0	0	8	2	0	0	2	0	0	0	0	0	0	0	4	12	55	11.1	51	
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	11	66	10.2	61	
Otdar Mean Chey	0	0	0	0	0	0	1	2	0	0	2	0	5	0	0	3	0	0	0	0	0	0	0	0	3	8	74	7.4	69	
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	5	8	82	7.4	76	
Kracheh	0	0	0	1	0	0	0	0	2	0	0	0	3	1	0	1	0	0	0	0	0	0	0	0	2	5	87	4.6	81	
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	1	4	91	3.7	84	
Pursat	1	0	0	0	0	0	0	1	0	0	1	0	3	0	0	1	0	0	0	0	0	0	0	0	1	4	95	3.7	88	
Kandal	0	0	0	2	0	0	0	0	0	0	0	0	2	0	0	0	0	1	0	0	0	0	0	0	1	3	98	2.8	91	
Kampong Cham	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	2	100	1.9	93	
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	2	102	1.9	94	
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	1	2	104	1.9	96	
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	2	106	1.9	98	
Phnom Penh	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	107	0.9	99	
Pailin	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	108	0.9	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	108	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	108	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	108	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	108	0	100	
Svay Rieng	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	108	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	108	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	108	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	108	0	100	
TOTAL	5	7	5	7	6	1	1	11	6	1	4	4	58	18	4	22	3	3	0	0	0	0	0	0	0	50	108			

Mine/ERW Casualties by Province for 2018-2019



5 Most Affected Provinces for Mine / ERW Casualties

Ranked by Total Casualties

Jan2018 - May2019

Rank	Province	Mine Casualties	ERW Casualties	Total Casualties	Cumulative Total
1	Battambang	5	10	15	15
2	Tboung Khmum	0	15	15	30
3	Rotanak Kiri	0	13	13	43
4	Preah Vihear	7	5	12	55
5	Kampong Speu	0	11	11	66

10 Most Affected Districts for Mine / ERW Casualties

Ranked by Total Casualties

Jan2018 - May2019

Rank	District	Province	Mine Casualties	ERW Casualties	Total Casualties	Cumulative Total
1	Tboung Khmum	Tboung Khmum	0	12	12	12
2	Phnum Sruoch	Kampong Speu	0	11	11	23
3	Choam Khsant	Preah Vihear	6	4	10	33
4	Ou Ya Dav	Rotanak Kiri	0	8	8	41
5	Samlout	Battambang	3	4	7	48
6	Ta Veang	Rotanak Kiri	0	5	5	53
7	Snuol	Kracheh	0	4	4	57
8	Rotanak Mondol	Battambang	2	1	3	60
9	Samraong	Otdar Mean Chey	3	0	3	63
10	Trapeang Prasat	Otdar Mean Chey	3	0	3	66

10 Most Affected Communes for Mine / ERW Casualties

Ranked by Total Casualties

Jan2018 - May2019

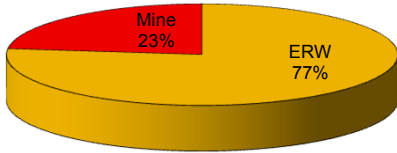
Rank	Commune	District	Province	Mine Casualties	ERW Casualties	Total Casualties	Cum. Total
1	Chirou Muoy	Tboung Khmum	Tboung Khmum	0	10	10	10
2	Moha Sang	Phnum Sruoch	Kampong Speu	0	9	9	19
3	Ya Tung	Ou Ya Dav	Rotanak Kiri	0	5	5	24
4	Ta Veang Kraom	Ta Veang	Rotanak Kiri	0	5	5	29
5	Morokot	Choam Khsant	Preah Vihear	4	0	4	33
6	Kampong Lpou	Samlout	Battambang	0	4	4	37
7	Choam Ksant	Choam Khsant	Preah Vihear	2	1	3	40
8	Koun Kriel	Samraong	Otdar Mean Chey	3	0	3	43
9	Ou Da	Kamrieng	Battambang	0	3	3	46
10	Srangae	Prey Chhor	Kampong Cham	0	2	2	48

OVERVIEW OF MINE/ERW ACCIDENTS

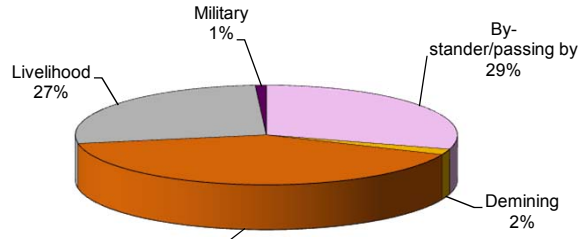
Jan2018 - May2019

Total Number of Casualties during Reporting Period: 108

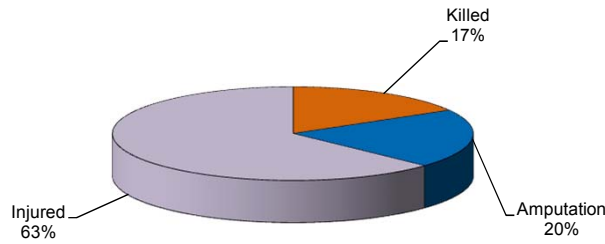
Mine/ERW Distribution



Cause of Casualty

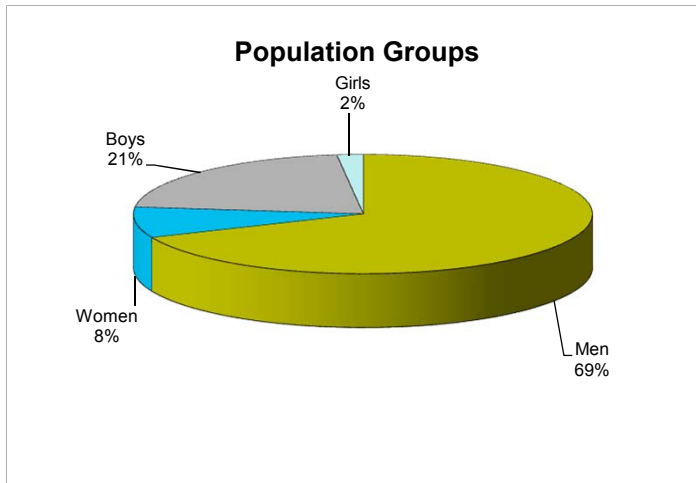


Casualty Types

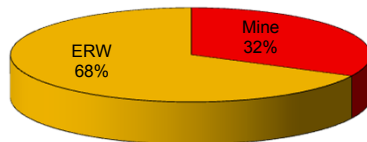


MINE/ERW ACCIDENT OVERVIEW

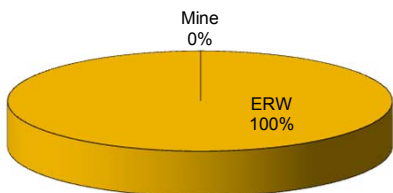
Population Groups



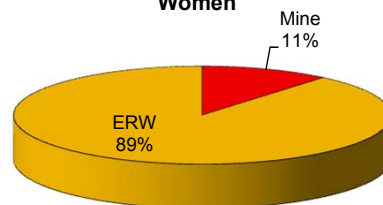
Men



Children



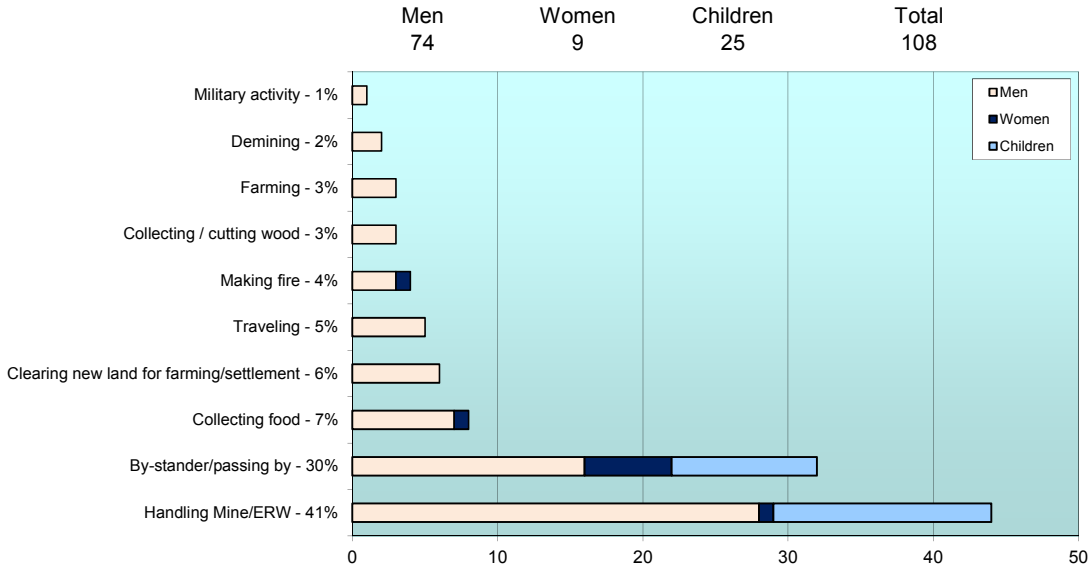
Women



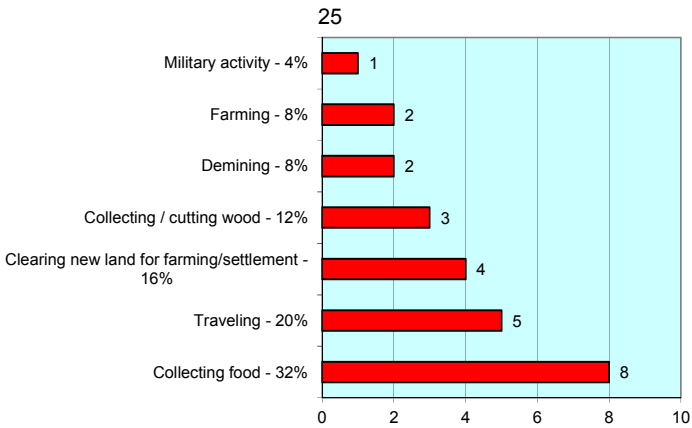
Jan2018 - May2019

Number of accidents during Reporting Period: **108**

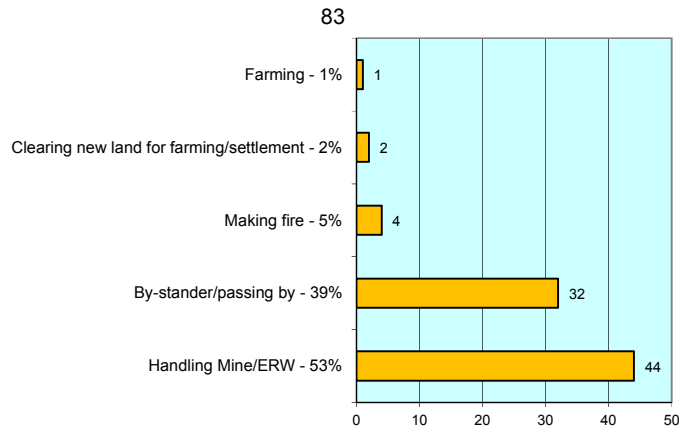
Cause of Accident by Total Population Group



Activities - Mines

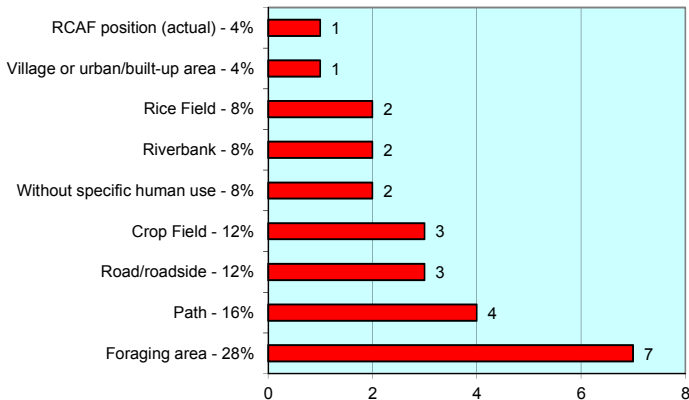


Activities - ERW



Mine/ERW Accidents by Terrain Type

Terrain - Mines



Terrain - ERW

