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C.M.A.A

CAMBODIA MINE/ERW VICTIM INFORMATION SYSTEM

**MONTHLY REPORT
FOR
APRIL 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 April 2019

For the period of January 1979 to April 2019, a total of **64825** mine/ERW casualties were recorded by CMVIS data gatherers. All of the 64825 casualties:

- 51085 (79%) were mine casualties and 13740 (21%) were ERW casualties.
- 19776 (31%) people killed, 36007 (55%) people injured and 9042 (14%) people amputated.
- 52529 (81%) casualties were men, 6060 (9%) casualties were boys (age<18), 4783 (8%) casualties were women, 1390 (2%) casualties were girls (age<18) and 63 (0%) casualties were unknowns.

2- Accident Summary from January to April 2019

From January to April 2019, **26 mine/ERW accidents** were provisionally recorded. This figure for January to April 2019 represents an increase of 73% compared with 15 mine/ERW accidents reported from January to April 2018. Of the 26 mine/ERW accidents, 8 (31%) were mine accidents and 18 (69%) were ERW accidents.

3- Casualty Summary for January to April 2019

From January to April 2019, **47 mine/ERW casualties** were provisionally recorded. This figure from January to April 2019 represents an increase of 96% compared with 24 mine/ERW casualties reported from January to April 2018. All of the 47 casualties:

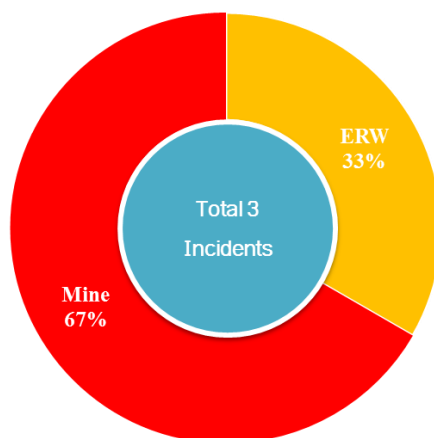
- 37 (79%) were ERW casualties, and 10 (21%) were mine casualties.
- 8 (17%) people killed, 30 (64%) people injured and 9 (19%) people amputated.
- 36 (77%) casualties were men, 9 (19%) casualties were boys (age<18), and 2 (4%) casualties were women.

4- Accident Summary for April 2019

In April 2019, **3 Mine/ERW accidents** were provisionally recorded in the provinces of Battambang, and Preah Vihear (CMVIS data gatherers collected information about accidents primarily through interviews with local authorities, Mine/ERW action agencies, relatives, families of casualties, or casualties themselves). This figure for April 2019 is decreased 25% compare with 4 accidents reported in April 2018. Of 3 Mine/ERW accidents, 2 (67%) were Mine accidents, and 1 (33%) were ERW accidents.

- **Type of explosive ordnance**

Number of incidents caused by Mine/ERW



- **Information about accident area**
 - 1 accidents occurred in Foraging area
 - 1 accidents occurred in Crop Field area
 - 1 accident occurred in Riverbank area.

Information on the accident area for April 2019



5- Casualty Summary for April 2019

In April 2019, **3 Mine/ERW casualties** were provisionally recorded. This figure for April 2019 is decreased 57% compare with 7 casualties reported in April 2018. Of the 3 casualties:

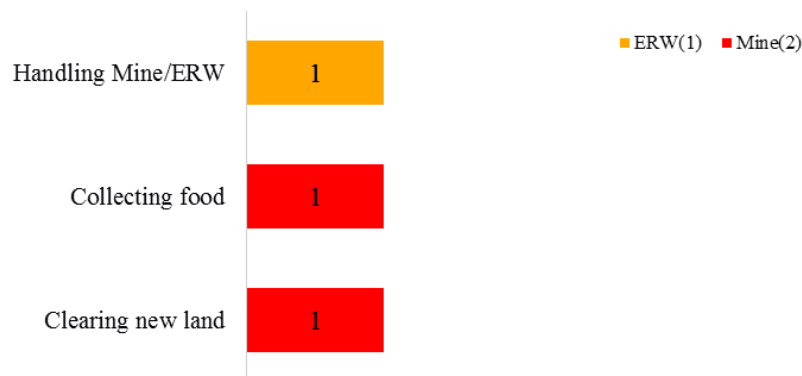
- 1 (33%) was ERW casualty, and 2 (67%) were mine casualties.
- 2 (67%) people injured, and 1 (33%) people amputated.
- 3 (100%) casualties were men.

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 April 2019

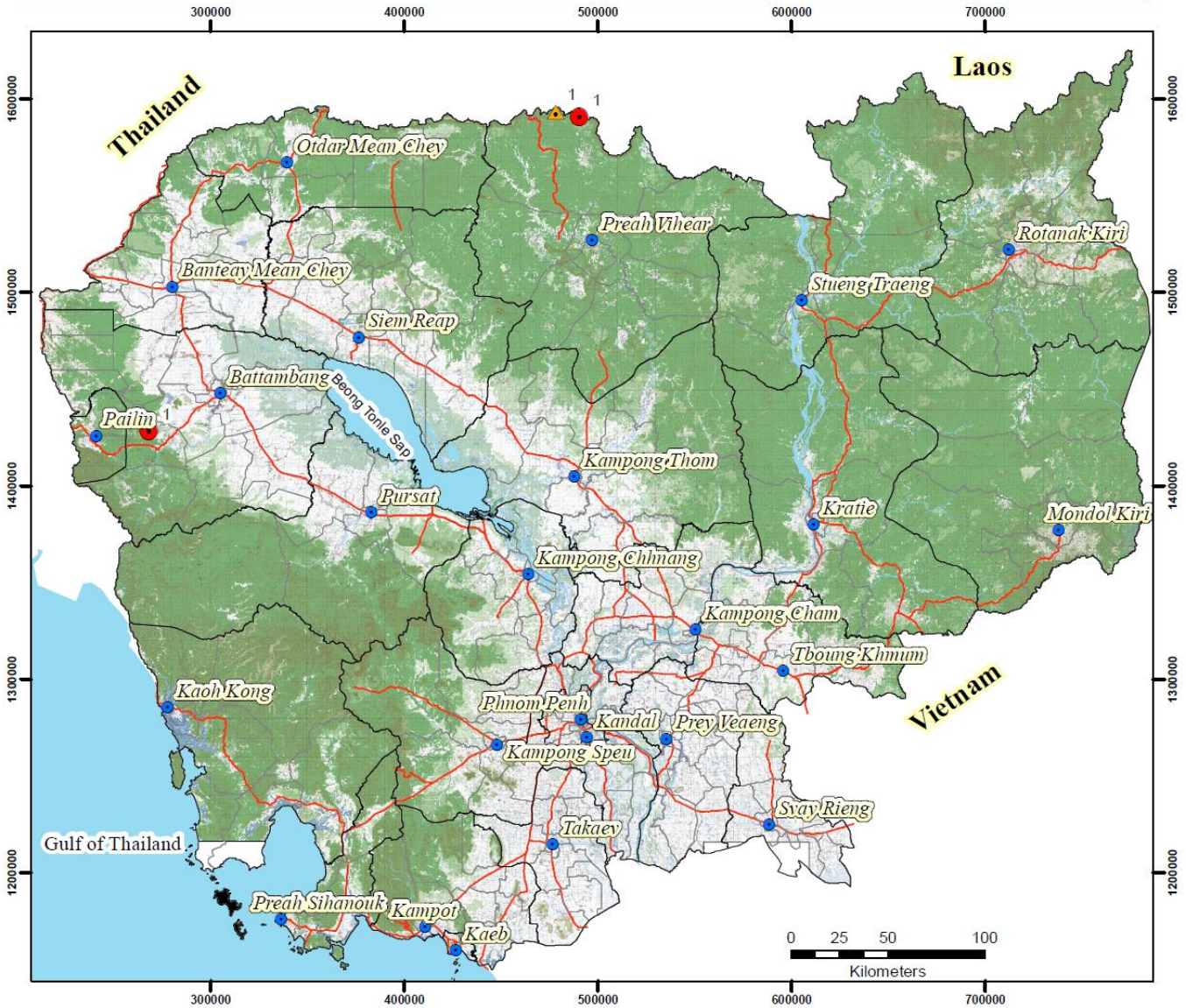


6- Impact of accident area for the period of January 2018 to April 2019 (105 casualties)

- 05 most affected provinces represent for **63%** of total casualties.
- 10 most affected districts represent for **63%** of total casualties.
- 10 most affected communes represent for **48%** of total casualties.

For detailed information, please see on page 7.

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

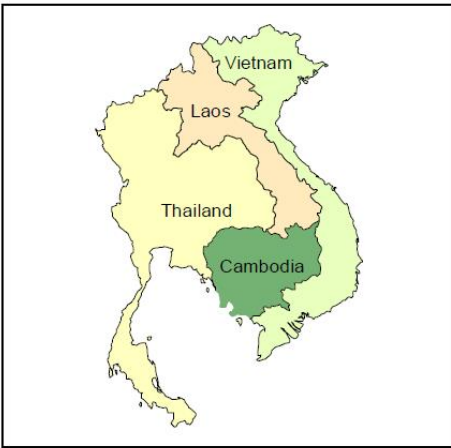


Legend

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



Scale 1:3,000,000



Produced by CMVIS, May 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

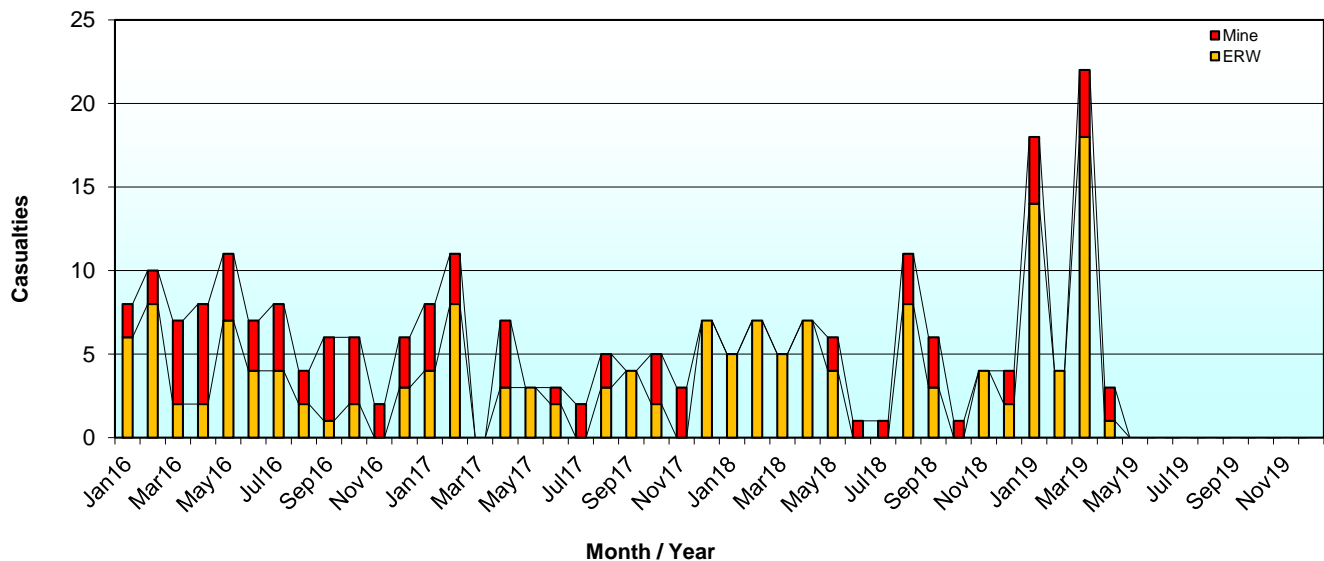
Casualty Trend

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

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

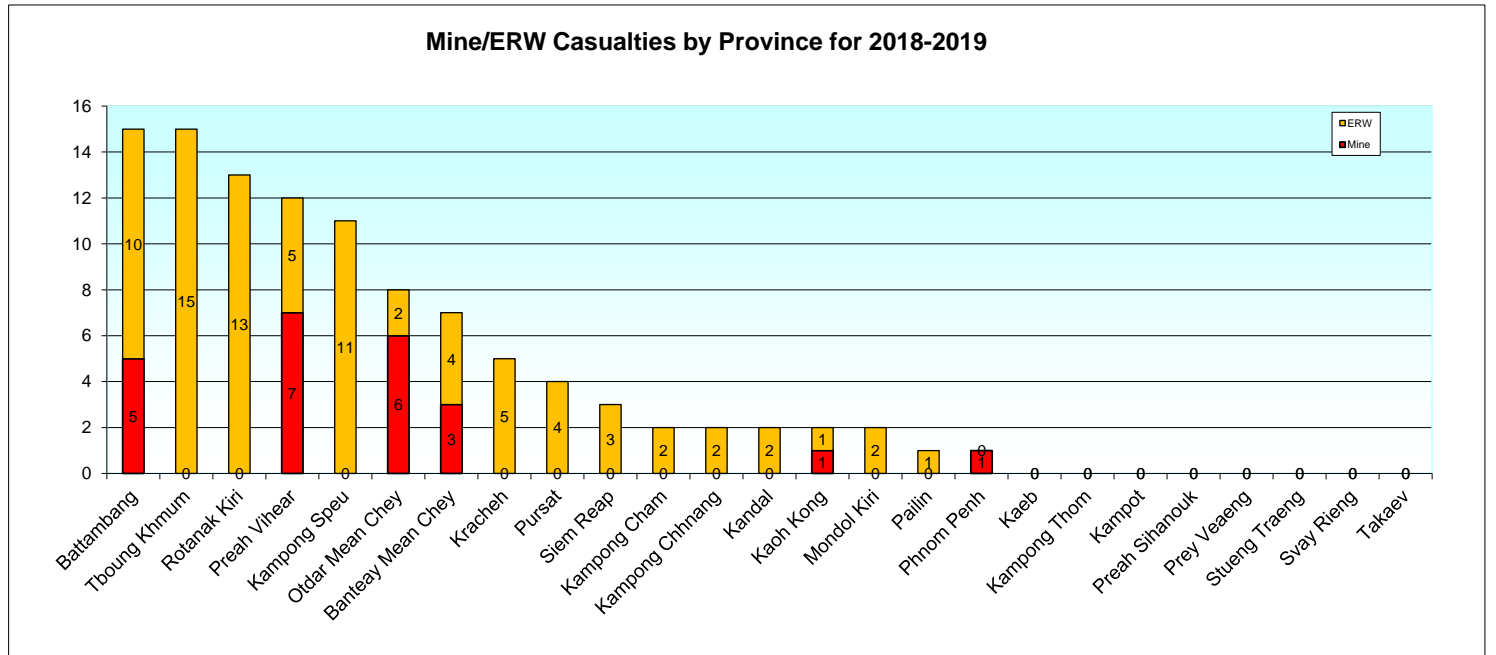
Chart Mine/ERW Casualties for the Period of: January 2016 - April 2019



Monthly Mine/ERW Accident Casualties: Jan2018 - Apr2019

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	0	3	8	2	2	2	1	0	0	0	0	0	0	7	15	15	14.3	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	14	15	30	14.3	29	
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	11	13	43	12.4	41	
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	4	12	55	11.4	52	
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	11	66	10.5	63	
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	3	8	74	7.6	70	
Banteay Mean Chey	0	0	0	0	2	0	0	1	0	0	0	0	3	2	0	2	0	0	0	0	0	0	0	4	7	81	6.7	77	
Kracheh	0	0	0	1	0	0	0	0	2	0	0	0	3	1	0	1	0	0	0	0	0	0	0	2	5	86	4.8	82	
Pursat	1	0	0	0	0	0	0	1	0	0	1	0	3	0	0	1	0	0	0	0	0	0	0	1	4	90	3.8	86	
Siem Reap	0	1	0	0	2	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	3	93	2.9	89	
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	2	95	1.9	90	
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	2	97	1.9	92	
Kandal	0	0	0	2	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2	99	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	1	2	101	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	2	103	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	1	104	1	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	1	105	1	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	105	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	105	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	105	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	105	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	105	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	105	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	105	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	105	0	100
TOTAL	5	7	5	7	6	1	1	11	6	1	4	4	58	18	4	22	3	0	0	0	0	0	0	0	47	105			



5 Most Affected Provinces for Mine / ERW Casualties

Ranked by Total Casualties

Jan2018 - Apr2019

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 - Apr2019

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	Kamrieng	Battambang	0	3	3	60
9	Rotanak Mondol	Battambang	2	1	3	63
10	Samraong	Otdar Mean Chey	3	0	3	66

10 Most Affected Communes for Mine / ERW Casualties

Ranked by Total Casualties

Jan2018 - Apr2019

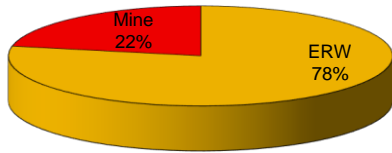
Rank	Commune	District	Province	Mine Casualties	ERW Casualties	Total Casualties	Cum. Total
1	Chirou Muoy	Tboung Khmum	Tboung Khmum	0	10	10	10
2	Moha Sang	Phnum Sruoch	Kampong Speu	0	9	9	19
3	Ya Tung	Ou Ya Dav	Rotanak Kiri	0	5	5	24
4	Ta Veang Kraom	Ta Veang	Rotanak Kiri	0	5	5	29
5	Morokot	Choam Khsant	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

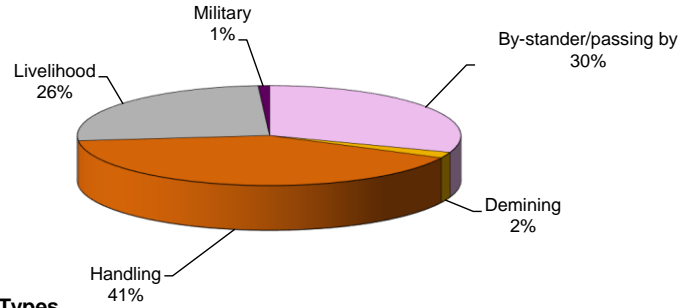
Jan2018 - Apr2019

Total Number of Casualties during Reporting Period: 105

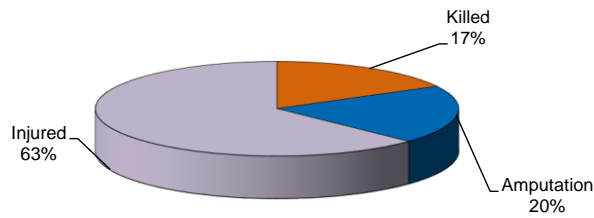
Mine/ERW Distribution



Cause of Casualty

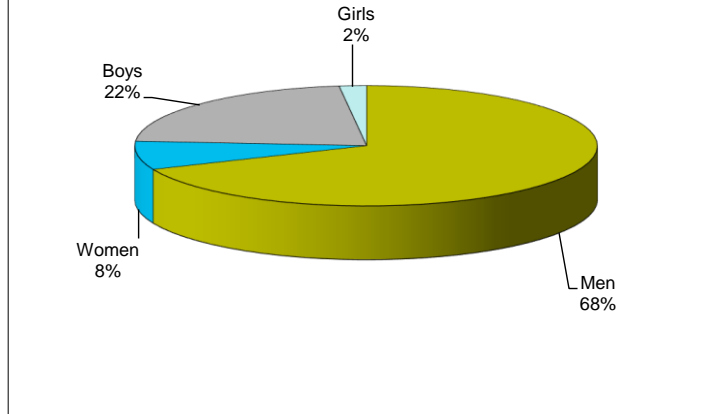


Casualty Types

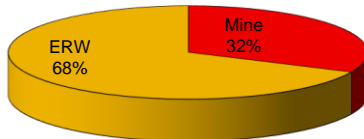


MINE/ERW ACCIDENT OVERVIEW

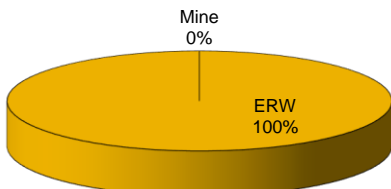
Population Groups



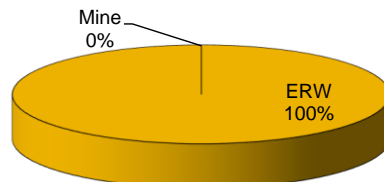
Men



Children



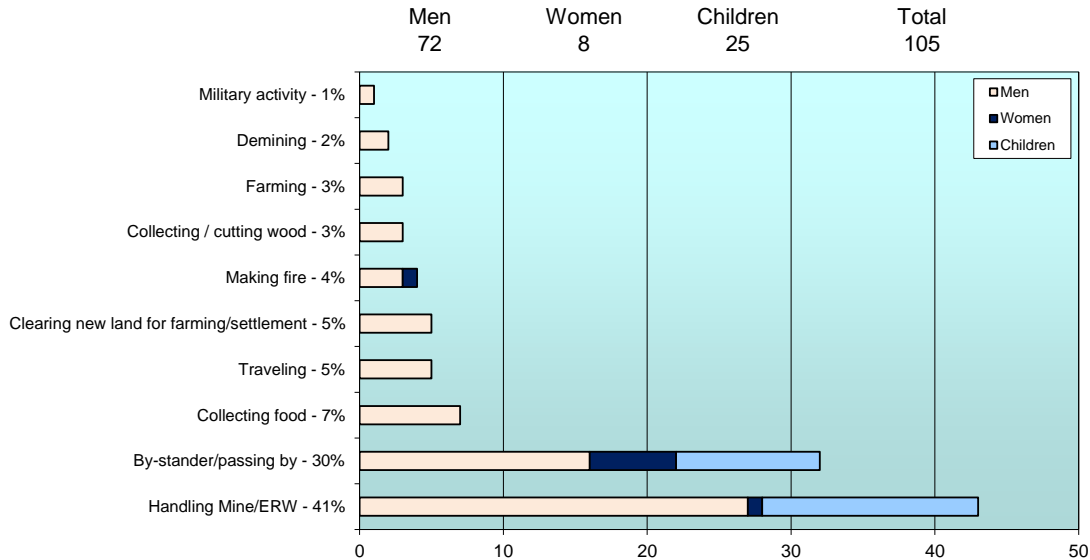
Women



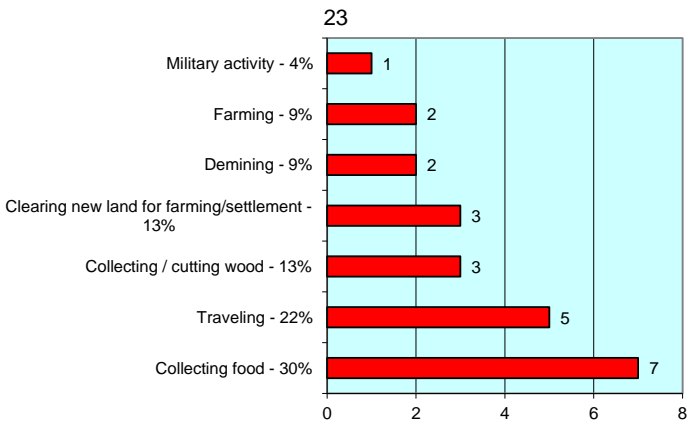
Jan2018 - Apr2019

Number of accidents during Reporting Period: **105**

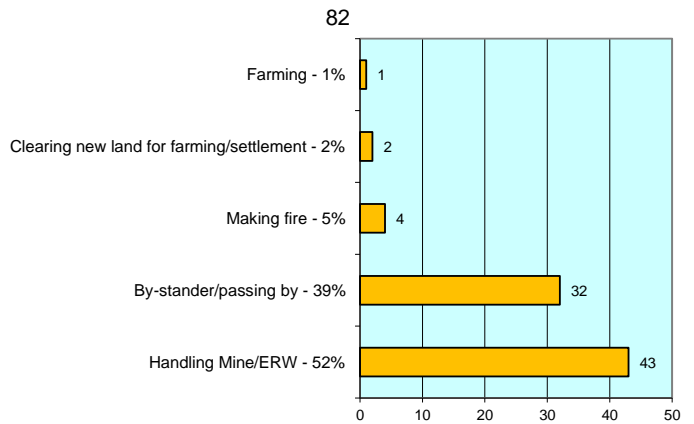
Cause of Accident by Total Population Group



Activities - Mines

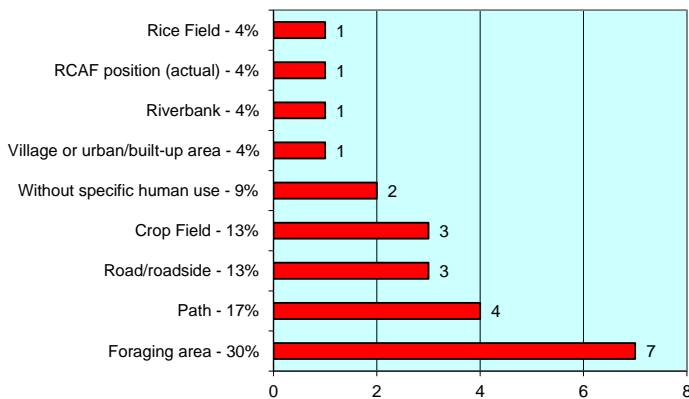


Activities - ERW



Mine/ERW Accidents by Terrain Type

Terrain - Mines



Terrain - ERW

