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C.M.A.A

CAMBODIA MINE/ERW VICTIM INFORMATION SYSTEM

**MONTHLY REPORT
FOR
DECEMBER 2020**

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 December 2020

For the period of January 1979 to December 2020, a total of **64920** mine/ERW casualties were recorded by CMVIS data gatherers.

All of the 64920 casualties:

- 51126 (79%) were mine casualties, and 13794 (21%) were ERW casualties.
- 19797 (31%) people killed, 36062 (55%) people injured, and 9061 (14%) people amputated.
- 52590 (81%) casualties were men, 6083 (9%) casualties were boys (age<18), 4791 (8%) casualties were women, 1393 (2%) casualties were girls (age<18), and 63 (0%) casualties were unknowns.

2- Accident Summary from January to December 2020

From January to December 2020, **47 mine/ERW accidents** were provisionally recorded. This figure represents a decrease of 15% compared with 55 mine/ERW accidents reported the same periods in 2019. Of the 47 mine/ERW accidents, 26 (55%) were mine accidents and 21 (45%) were ERW accidents.

3- Casualty Summary for January to December 2020

From January to December 2020, **65 mine/ERW casualties** were provisionally recorded. This figure represents a decrease of 16% compared with 77 mine/ERW casualties reported from January to December 2019.

All of the 65 casualties:

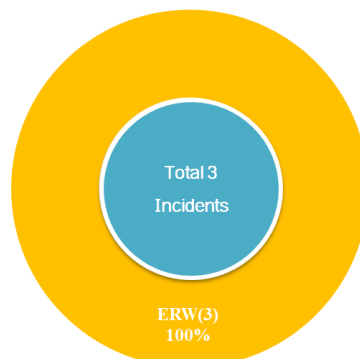
- 37 (57%) were ERW casualties, and 28 (43%) were mine casualties.
- 17 (26%) people killed, 36 (55%) people injured, and 12 (19%) people amputated.
- 42 (65%) casualties were men, 16 (25%) casualties were boys (age<18), 4 (6%) casualties were women, and 3 (4%) casualties were girls (age<18).

4- Accident Summary for December 2020

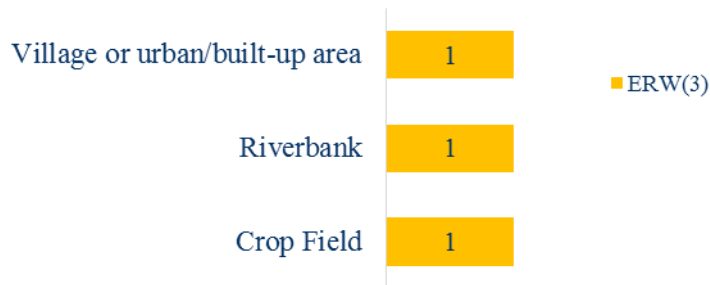
In December 2020, **3 ERW accidents** were provisionally recorded in Battambang and Kratie provinces (CMVIS data gatherers collected information about accidents primarily through interviews with local authorities, Mine/ERW action agencies, relatives, families of casualties, or casualty's them-selves). The figure for December 2020 is decreased 25% compare with 4 accidents reported in December 2019. Of the 3 accidents, were ERW accidents 3 (100%).

- **Type of explosive ordnance**

Number of incidents caused by Mine/ERW



- **Information about accident area for December 2020**



5- Casualty Summary for December 2020

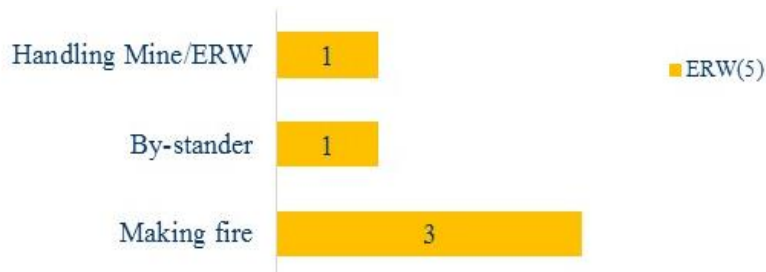
In December 2020, **5 ERW casualties** were provisionally recorded. This figure for December 2020 is an increased 67% compare with 3 casualties in December 2019.

Of the 5 casualties:

- 5 (100%) were ERW casualties.
- 5 (100%) people injured.
- 3 (60%) casualties were men, 1 (20%) casualty was a boy (age<18), and 1 (20%) casualty was a woman.

Activity at the time of accident

In December 2020, 5 (100%) casualties were killed/injured by Mine accidents, while they were make fire activity accounted for 3 (60%) casualties, Handling Mine/ERW activity accounted for 1 (20%) casualty, and By-stander activity accounted for 1 (20%) casualty.

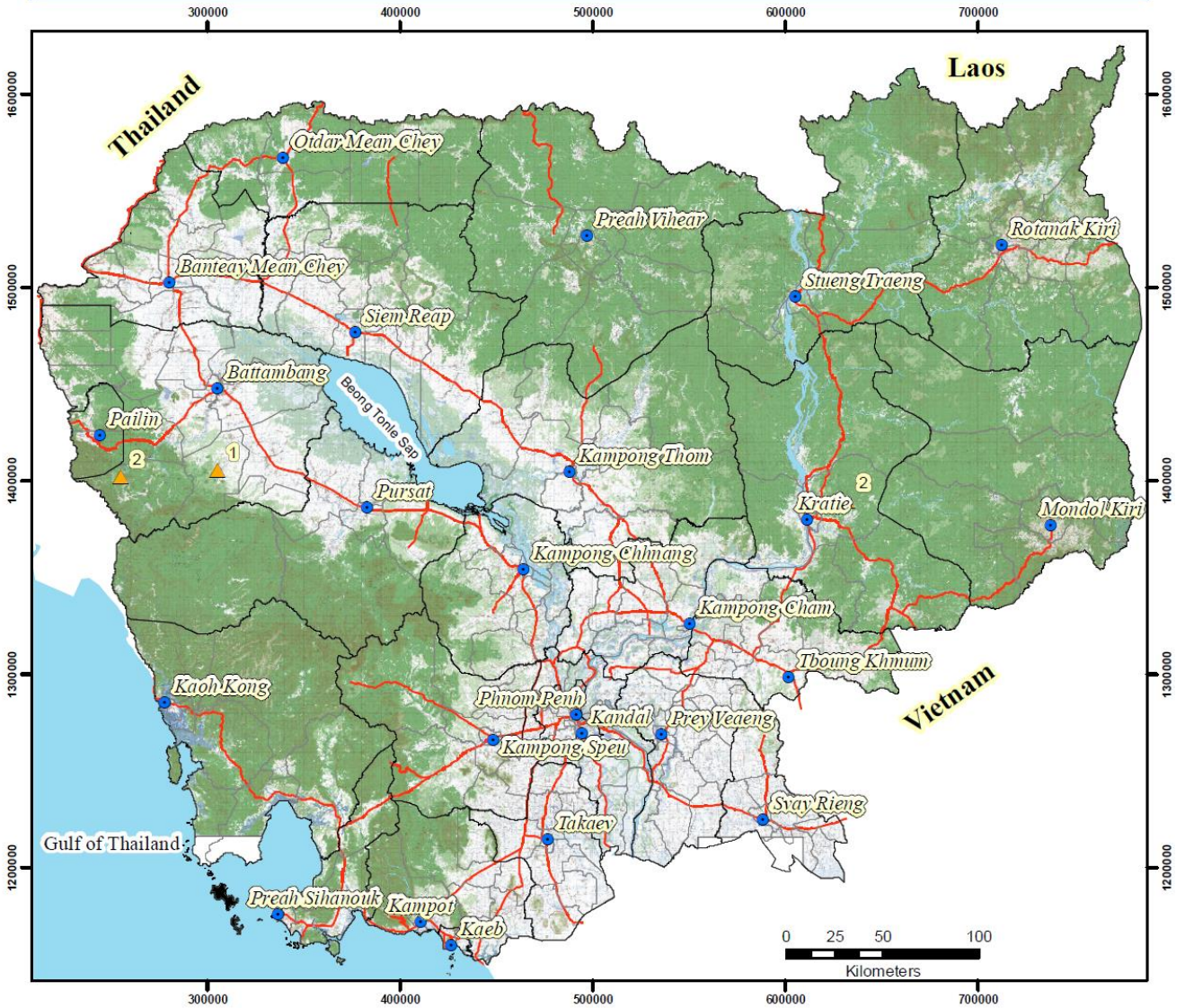


6- Impact of accident area for the period of January 2019 to December 2020 (142 casualties)







- 05 most affected provinces represent for **64%** of total casualties.
- 10 most affected districts represent for **64%** of total casualties.
- 10 most affected communes represent for **46%** of total casualties.

For detailed information, please see on page 7.

CAMBODIA MINE VICTIM INFORMATION SYSTEM
MINE/ERW Accident location in December 2020
Accident: 3 cases, Casualty: 5 people



Legend

-  ERW accident
-  Province Centers
-  Province Boundary
-  District Boundary
-  Water surface
-  National Road



Scale 1:3,000,000



Produced by CMVIS, Jan 2021

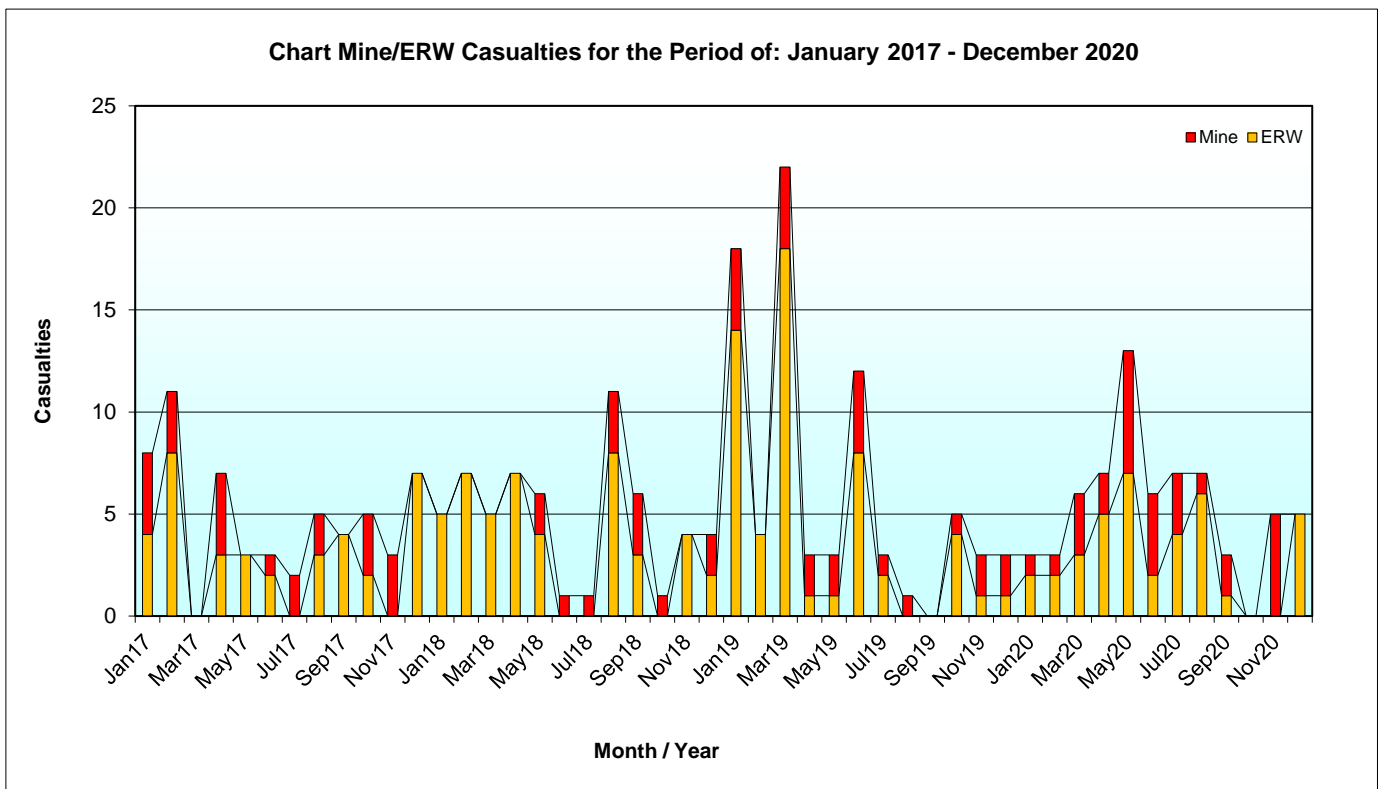
Further analysis and detailed Mine/ERW casualty/accident information are available on request, including the production of risk-maps and the provision of village level data. For customised reports more suited to your organisation's needs, contact CMVIS office: ketya@cmaa.gov.kh

Casualty Trend

Report Mine/ERW Casualties for the Period of: January 2017 - December 2020

Year	Casualties by Month												Total
	Jan	Feb	Mar	April	May	Jun	July	Aug	Sept	Oct	Nov	Dec	
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	
2018	5	7	5	7	6	1	1	11	6	1	4	4	58
<i>Running Total 2018</i>	5	12	17	24	30	31	32	43	49	50	54	58	
% change 2017 to 2018	-38	-37	-11	-8	3	-3	-6	10	14	4	6	0	
2019	18	4	22	3	3	12	3	1	0	5	3	3	77
monthly change +/- from 2018	13	-3	17	-4	-3	11	2	-10	-6	4	-1	-1	
monthly change % from 2018	260	-43	340	-57	-50	1100	200	-91	-100	400	-25	-25	
<i>Running Total 2019</i>	18	22	44	47	50	62	65	66	66	71	74	77	
% change 2018 to 2019	260	83	159	96	67	100	103	54	35	42	37	33	
2020	3	3	6	7	13	6	7	7	3	0	5	5	65
monthly change +/- from 2019	-15	-1	-16	4	10	-6	4	6	3	-5	2	2	
monthly change % from 2019	-83	-25	-73	133	333	-50	133	600	100	-100	67	67	
<i>Running Total 2020</i>	3	6	12	19	32	38	45	52	55	55	60	65	
% change 2019 to 2020	-83	-73	-73	-60	-36	-39	-31	-21	-17	-23	-19	-16	

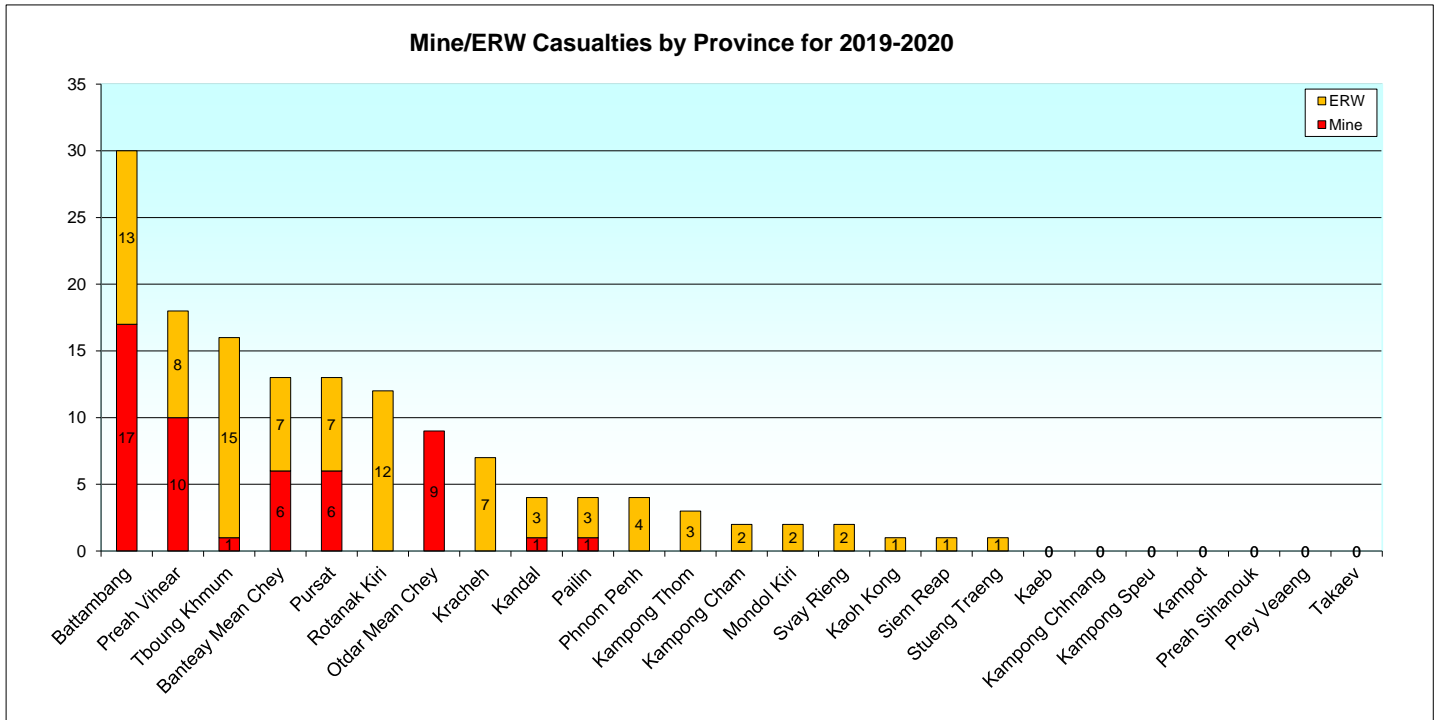
Note: Casualty figures for prior months are continually updated and verified as a part of the on-going data collection process.



Monthly Mine/ERW Accident Casualties: Jan2019 - Dec2020

Provinces ranked by Total Mine/ERW Casualties for 2019 - 2020

Province	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		Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Total 2020		Total 2019-2020	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.					
Battambang	2	2	2	1	0	1	1	0	0	0	0	2	11	2	0	2	2	6	3	1	0	0	0	0	3	19	30	30	21.1	21		
Preah Vihear	2	0	0	2	0	2	0	0	0	0	0	0	6	0	1	0	0	1	0	4	0	2	0	4	0	12	18	48	12.7	34		
Tboung Khmum	10	0	4	0	0	0	0	0	0	0	0	0	14	1	0	0	1	0	0	0	0	0	0	0	0	2	16	64	11.3	45		
Banteay Mean Chey	2	0	2	0	1	0	0	0	0	0	1	0	6	0	0	0	4	0	1	1	0	1	0	0	0	7	13	77	9.2	54		
Pursat	0	0	1	0	0	0	0	1	0	1	0	0	3	0	0	1	0	2	0	1	6	0	0	0	0	10	13	90	9.2	63		
Rotanak Kiri	1	2	8	0	0	0	0	0	0	0	0	1	12	0	0	0	0	0	0	0	0	0	0	0	0	0	12	102	8.5	72		
Otdar Mean Chey	0	0	3	0	0	1	1	0	0	0	0	1	6	0	0	0	0	1	0	0	1	0	0	1	0	3	9	111	6.3	78		
Kracheh	1	0	1	0	0	0	1	0	0	0	0	0	3	0	0	1	0	0	1	0	0	0	0	0	2	4	7	118	4.9	83		
Kandal	0	0	0	0	1	2	0	0	0	0	0	0	3	0	0	0	0	0	1	0	0	0	0	0	0	1	4	122	2.8	86		
Phnom Penh	0	0	0	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	126	2.8	89	
Pailin	0	0	0	0	0	2	0	0	0	0	0	0	2	0	0	0	0	2	0	0	0	0	0	0	0	2	4	130	2.8	92		
Kampong Thom	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	3	3	133	2.1	94		
Svay Rieng	0	0	0	0	0	2	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	135	1.4	95	
Mondol Kiri	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	1	0	0	0	0	0	0	0	1	2	137	1.4	96		
Kampong Cham	0	0	0	0	0	2	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	139	1.4	98	
Siem Reap	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	0	1	1	140	0.7	99	
Stueng Traeng	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	141	0.7	99		
Kaoh Kong	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	142	0.7	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	142	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	142	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	142	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	142	0	100	
Kampong Speu	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	142	0	100	
Kampong Chhnang	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	142	0	100	
Prey Veang	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	142	0	100	
TOTAL	18	4	22	3	3	12	3	1	0	5	3	3	77	3	3	6	7	13	6	7	7	3	0	5	5	65	142					



5 Most Affected Provinces for Mine / ERW Casualties

Ranked by Total Casualties

Jan2019 - Dec2020

Rank	Province	Mine Casualties	ERW Casualties	Total Casualties	Cumulative Total
1	Battambang	17	13	30	30
2	Preah Vihear	10	8	18	48
3	Tboung Khmum	1	15	16	64
4	Banteay Mean Chey	6	7	13	77
5	Pursat	6	7	13	90

10 Most Affected Districts for Mine / ERW Casualties

Ranked by Total Casualties

Jan2019 - Dec2020

Rank	District	Province	Mine Casualties	ERW Casualties	Total Casualties	Cumulative Total
1	Choam Khsant	Preah Vihear	10	8	18	18
2	Samlout	Battambang	9	8	17	35
3	Veal Veang	Pursat	6	7	13	48
4	Tboung Khmum	Tboung Khmum	0	12	12	60
5	Ou Ya Dav	Rotanak Kiri	0	6	6	66
6	Ou Chrov	Banteay Mean Chey	2	4	6	72
7	Ta Veang	Rotanak Kiri	0	5	5	77
8	Trapeang Prasat	Otdar Mean Chey	5	0	5	82
9	Snuol	Kracheh	0	4	4	86
10	Ruessei Kaev	Phnom Penh	0	4	4	90

10 Most Affected Communes for Mine / ERW Casualties

Ranked by Total Casualties

Jan2019 - Dec2020

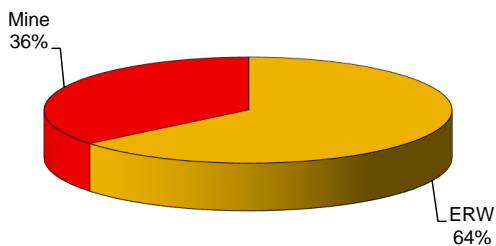
Rank	Commune	District	Province	Mine Casualties	ERW Casualties	Total Casualties	Cum. Total
1	Ta Taok	Samlout	Battambang	6	5	11	11
2	Chirou Muoy	Tboung Khmum	Tboung Khmum	0	10	10	21
3	Thma Da	Veal Veang	Pursat	6	4	10	31
4	Sror Aem	Choam Khsant	Preah Vihear	7	2	9	40
5	Samlout	Samlout	Battambang	3	3	6	46
6	Ta Veang Kraom	Ta Veang	Rotanak Kiri	0	5	5	51
7	Chrang Chamreh Pir	Ruessei Kaev	Phnom Penh	0	4	4	55
8	Soengh	Ou Chrov	Banteay Mean Chey	0	4	4	59
9	Kantuot	Choam Khsant	Preah Vihear	0	4	4	63
10	Svay Chek	Svay Chek	Banteay Mean Chey	0	3	3	66

OVERVIEW OF MINE/ERW ACCIDENTS

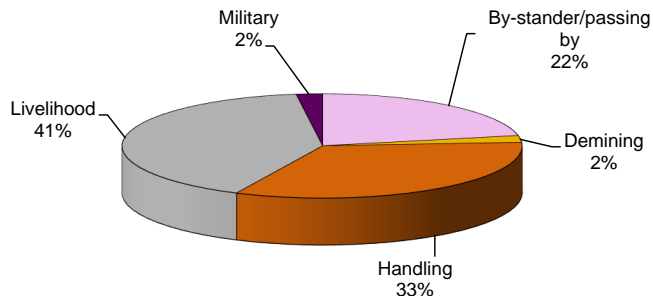
Jan2019 - Dec2020

Total Number of Casualties during Reporting Period: 142

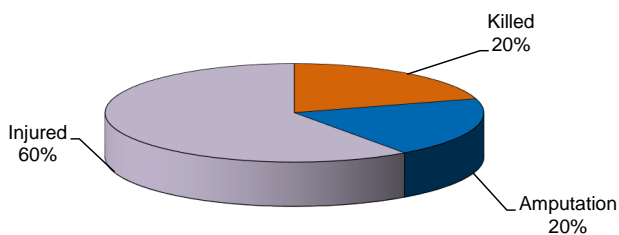
Mine/ERW Distribution



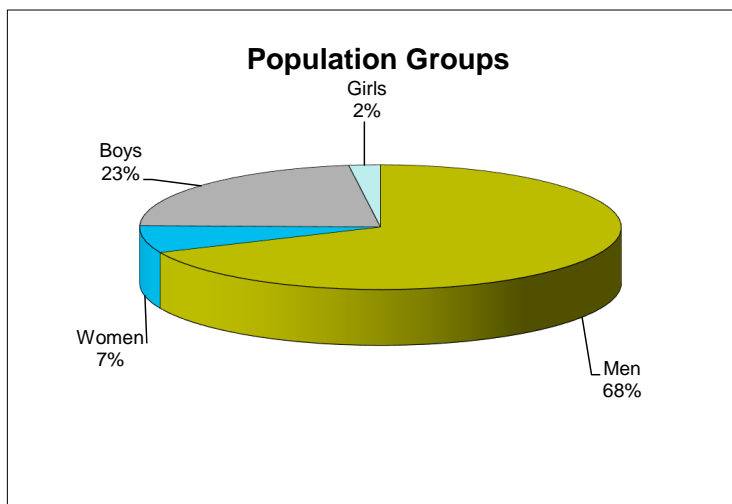
Cause of Casualty



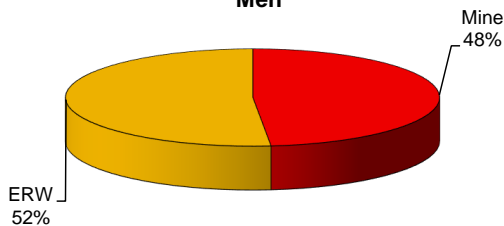
Casualty Types



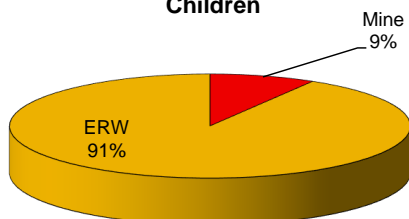
MINE/ERW ACCIDENT OVERVIEW



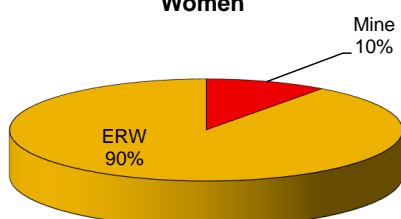
Men



Children



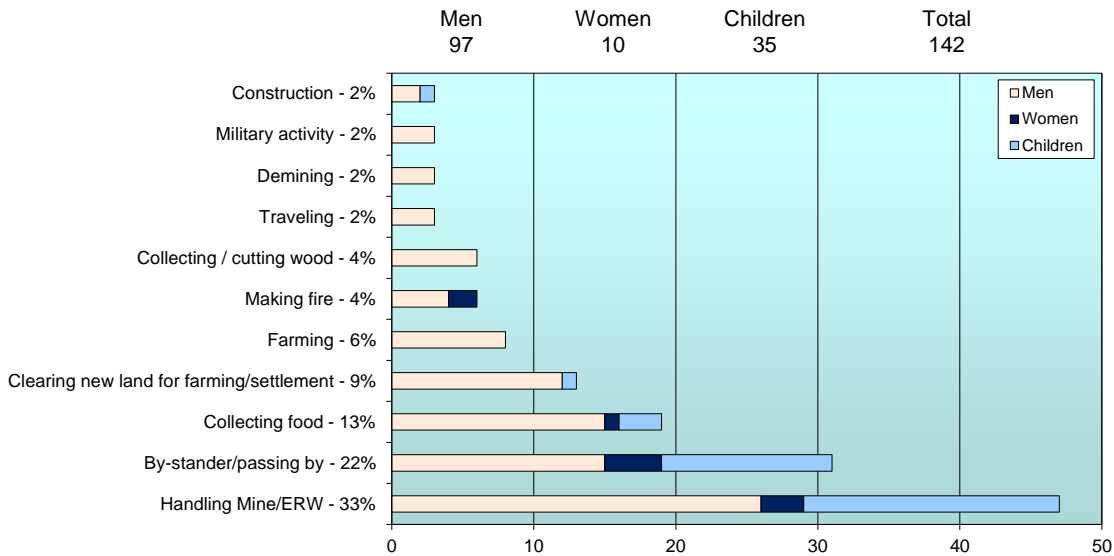
Women



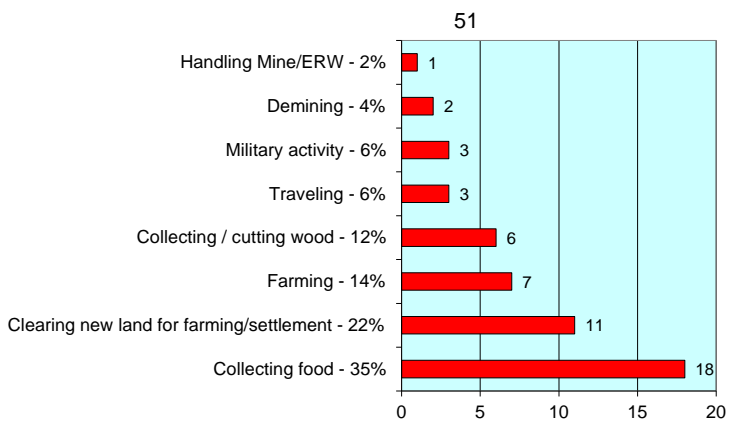
Jan2019 - Dec2020

Number of accidents during Reporting Period: **142**

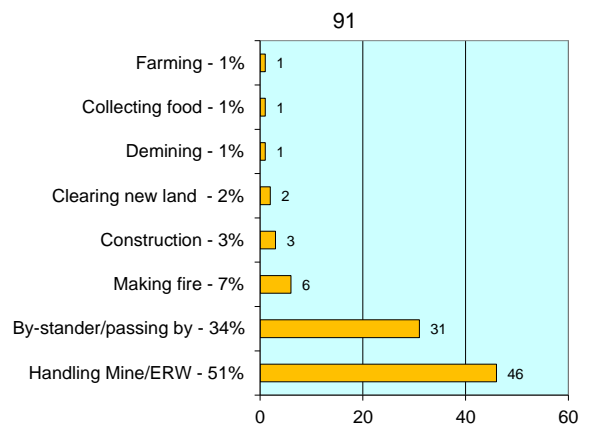
Cause of Accident by Total Population Group



Activities - Mines

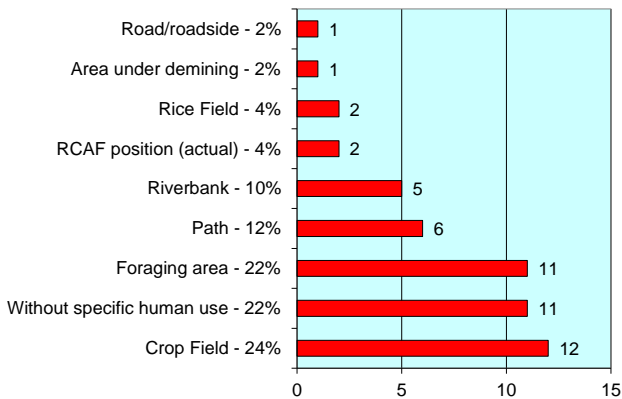


Activities - ERW



Mine/ERW Accidents by Terrain Type

Terrain - Mines



Terrain - ERW

