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C.M.A.A

CAMBODIA MINE/ERW VICTIM INFORMATION SYSTEM

**MONTHLY REPORT
FOR
MAY 2021**

Background

The Cambodia Mine/ERW Victim Information System (CMVIS) established in 1994 by the Cambodian Red Cross with technical and financial support 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 for full management responsibility.

Explosive Ordnance (EO) Accident and Casualty Information

1- Total Casualties reported from January 1979 to May 2021

For the period of January 1979 to May 2021, a total of **64946** EO casualties were recorded by CMVIS data gatherers.

All of the 64946 EO casualties:

- 51139 (79%) were Mine casualties, and 13807 (21%) were ERW casualties.
- 36074 (56%) people injured, 19805 (30%) people killed, and 9067 (14%) people amputated.
- 52613 (81%) casualties were men, 6085 (9%) casualties were boys (age<18), 4792 (8%) casualties were women, 1393 (2%) casualties were girls (age<18), and 63 (0%) casualties were unknowns.

2- Accident Summary from January to May 2021

From January to May 2021, 22 EO accidents were provisionally recorded. This figure represents a decrease of 15% compared with 26 EO accidents reported in the same periods in 2020. Of the 22 EO accidents, 12 (55%) were mine accidents and 10 (45%) were ERW accidents.

3- Casualty Summary for January to May 2021

From January to May 2021, 26 EO casualties were provisionally recorded. This figure represents a decrease of 19% compared with 32 EO casualties reported from January to May 2020.

All of the 26 EO casualties:

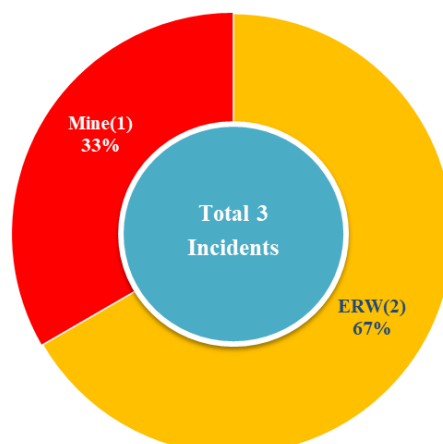
- 13 (50%) were mine casualties, and 13 (50%) were ERW casualties.
- 8 (31%) people killed, 12 (46%) people injured, and 6 (23%) people amputated.
- 23 (88%) casualties were men, 2 (8%) casualties were boys (age<18), and 1 (4%) casualty was a woman.

4- Accident Summary for May 2021

In May 2021, 3 EO accidents were provisionally recorded in Battambang, Pursat, and Kandal provinces (CMVIS data gatherers collected information about accidents primarily through interviews with local authorities, Mine action agencies, relatives, families of casualties, or casualty's them-selves). The figure for May 2021 is decreased by 70% compared with 10 EO accidents reported in May 2020. Of the 3 EO accidents, 1 (33%) was mine accident, and 2 (67%) were ERW accidents.

- **Type of explosive ordnance**

Number of incidents caused by EO



- **Information about EO accident area for May 2021**



5- Casualty Summary for May 2021

In May 2021, **5 EO casualties** were provisionally recorded. This figure for May 2021 is decreased by 62% compared with 13 casualties in May 2020.

Of the 5 EO casualties:

- 2 (40%) were mine casualties, and 3 (60%) were ERW casualties.
- 3 (60%) people killed, and 2 (40%) people injured.
- 4 (80%) casualties were men, and 1 (20%) casualty was a woman.
- The activity at the time of accident of 5 casualties, as Traveling activity accounted for 2 (40%) casualties, Handling Mine/ERW activity accounted for 2 (40%) casualties, and By-stander activity accounted for 1 (20%) casualty.

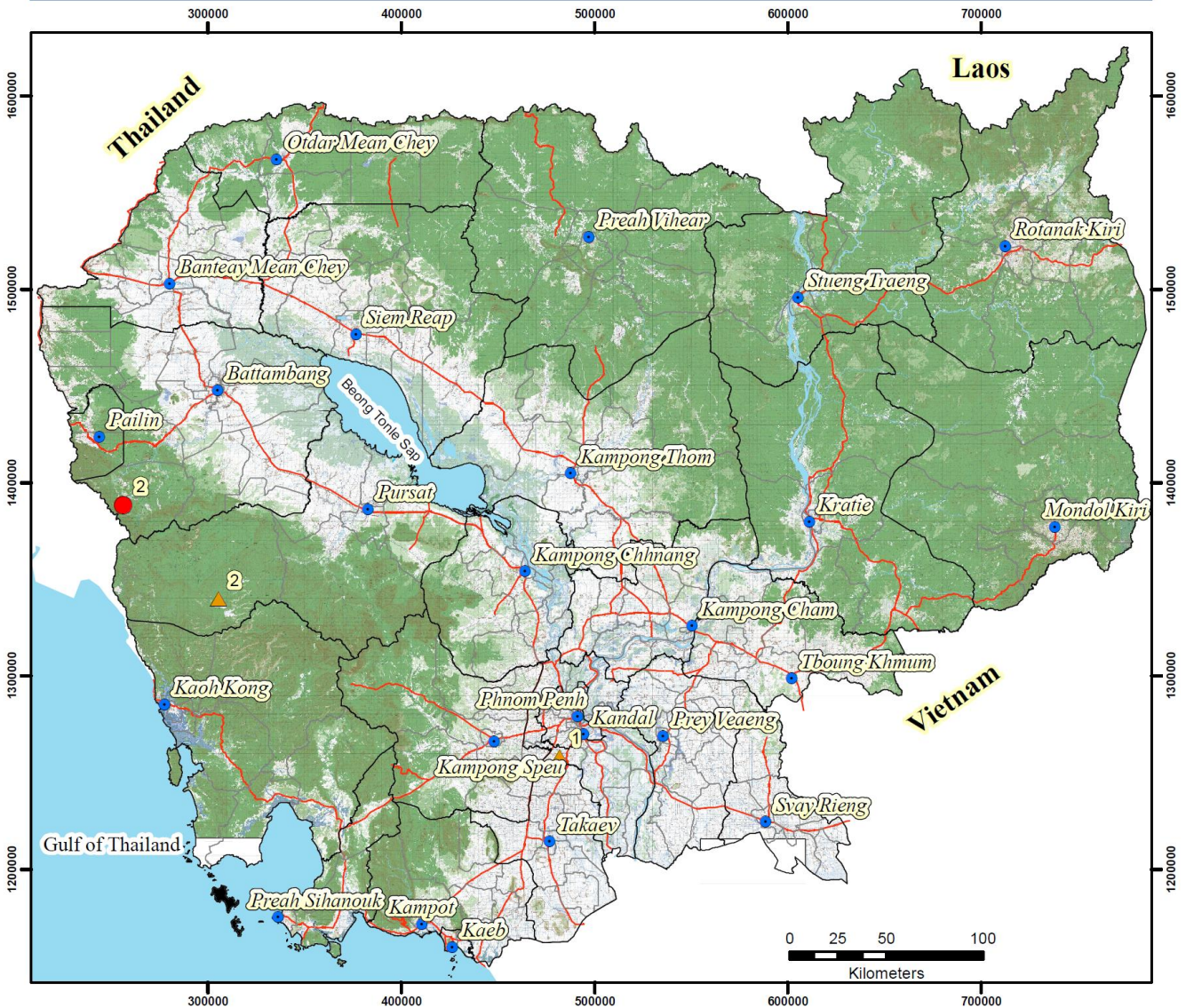


6- Impact of accident area for the period of January 2020 to May 2021 (91 casualties)

- 05 most affected provinces represent **77%** of total casualties.
- 10 most affected districts represent **75%** of total casualties.
- 10 most affected communes represent **53%** of total casualties.

For detailed information, please see on page 7.

Explosive Ordnance Accident location in May 2021
Accident: 3 cases, Casualty: 5 people



Legend

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



Produced by CMVIS, Jun 2021

Further analysis and detailed EO 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

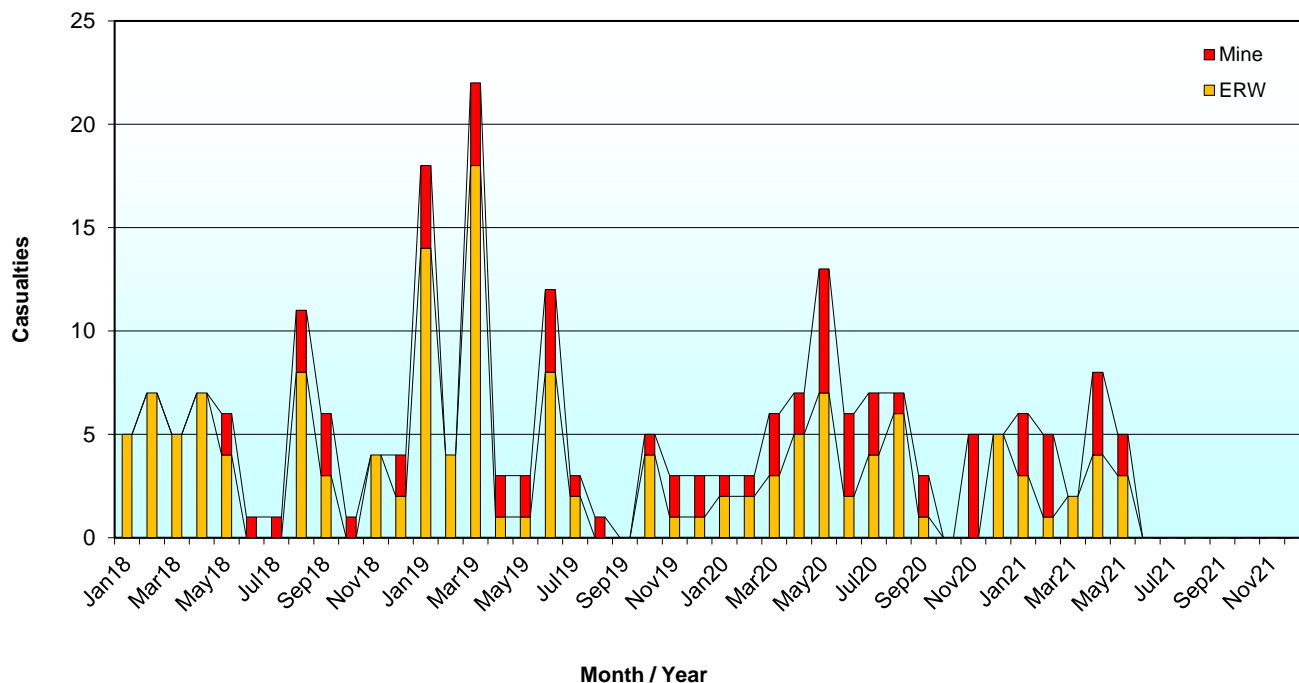
Casualty Trend

Report Explosive Ordnance Casualties for the Period of: January 2018 - May 2021

Year	Casualties by Month												Total
	Jan	Feb	Mar	April	May	Jun	July	Aug	Sept	Oct	Nov	Dec	
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	
2019	18	4	22	3	3	12	3	1	0	5	3	3	77
<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	
2021	6	5	2	8	5								26
monthly change +/- from 2020	3	2	-4	1	-8								
monthly change % from 2020	100	67	-67	14	-62								
<i>Running Total 2021</i>	6	11	13	21	26								
% change 2020 to 2021	100	83	8	11	-19								

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

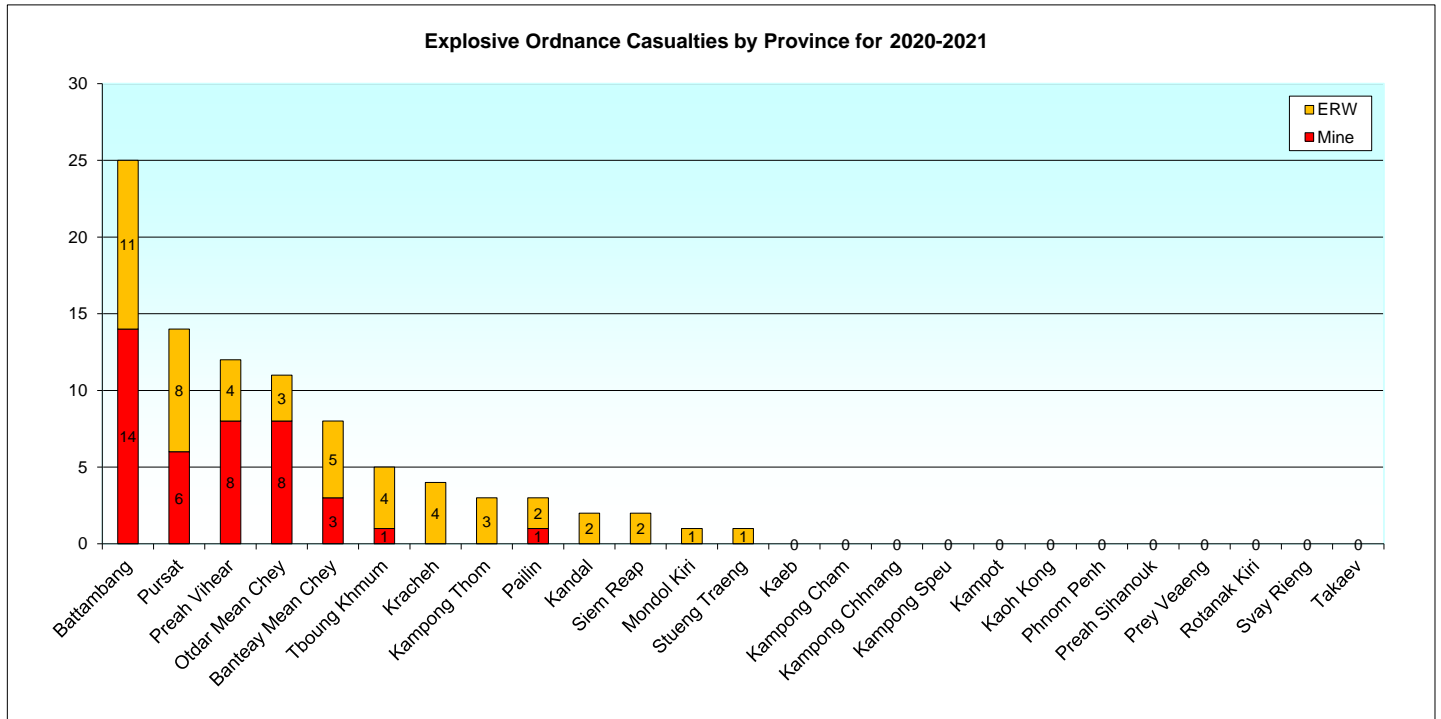
Chart Explosive Ordnance Casualties for the Period of: January 2018 - May 2021



Monthly Explosive Ordnance Accident Casualties: Jan2020 - May2021

Provinces ranked by Total Explosive Ordnance Casualties for 2020 - 2021

Province	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	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Total 2021	Total 2020-2021	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	2	0	2	2	6	3	1	0	0	0	0	3	19	2	0	1	1	2	0	0	0	0	0	0	0	6	25	25	27.5	27
Pursat	0	0	1	0	2	0	1	6	0	0	0	0	10	2	0	0	0	2	0	0	0	0	0	0	0	4	14	39	15.4	43
Preah Vihear	0	1	0	0	1	0	4	0	2	0	4	0	12	0	0	0	0	0	0	0	0	0	0	0	0	0	12	51	13.2	56
Otdar Mean Chey	0	0	0	0	1	0	0	1	0	0	1	0	3	1	3	1	3	0	0	0	0	0	0	0	0	8	11	62	12.1	68
Banteay Mean Chey	0	0	0	4	0	1	1	0	1	0	0	0	7	0	1	0	0	0	0	0	0	0	0	0	0	1	8	70	8.8	77
Tboung Khmum	1	0	0	1	0	0	0	0	0	0	0	0	2	0	0	0	3	0	0	0	0	0	0	0	0	3	5	75	5.5	82
Kracheh	0	0	1	0	0	1	0	0	0	0	0	2	4	0	0	0	0	0	0	0	0	0	0	0	0	0	4	79	4.4	87
Kampong Thom	0	1	2	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	3	82	3.3	90
Pailin	0	0	0	2	0	0	0	0	0	0	0	0	2	0	0	0	1	0	0	0	0	0	0	0	0	1	3	85	3.3	93
Kandal	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	1	2	87	2.2	96
Siem Reap	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2	2	89	2.2	98
Stueng Traeng	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	90	1.1	99
Mondol Kiri	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	91	1.1	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	91	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	91	0	100
Kampong Cham	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	91	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	91	0	100
Kaoh Kong	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	91	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	91	0	100
Rotanak Kiri	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	91	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	0	0	91	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	0	91	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	91	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	91	0	100
Phnom Penh	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	91	0	100
TOTAL	3	3	6	7	13	6	7	7	3	0	5	5	65	6	5	2	8	5	0	0	0	0	0	0	0	26	91			



5 Most Affected Provinces for Explosive Ordnance Casualties
Ranked by Total Casualties

Jan2020 - May2021

Rank	Province	Mine Casualties	ERW Casualties	Total Casualties	Cumulative Total
1	Battambang	14	11	25	25
2	Pursat	6	8	14	39
3	Preah Vihear	8	4	12	51
4	Otdar Mean Chey	8	3	11	62
5	Banteay Mean Chey	3	5	8	70

10 Most Affected Districts for Explosive Ordnance Casualties
Ranked by Total Casualties

Jan2020 - May2021

Rank	District	Province	Mine Casualties	ERW Casualties	Total Casualties	Cumulative Total
1	Samlout	Battambang	7	8	15	15
2	Veal Veang	Pursat	6	8	14	29
3	Choam Khsant	Preah Vihear	8	4	12	41
4	Anlong Veang	Otdar Mean Chey	6	1	7	48
5	Ou Chrov	Banteay Mean Chey	1	4	5	53
6	Dambae	Tboung Khmum	1	3	4	57
7	Koas Krala	Battambang	3	1	4	61
8	Samraong	Otdar Mean Chey	2	1	3	64
9	Santuk	Kampong Thom	0	2	2	66
10	Pailin	Pailin	0	2	2	68

10 Most Affected Communes for Explosive Ordnance Casualties
Ranked by Total Casualties

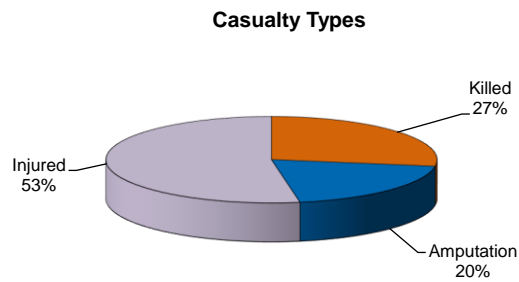
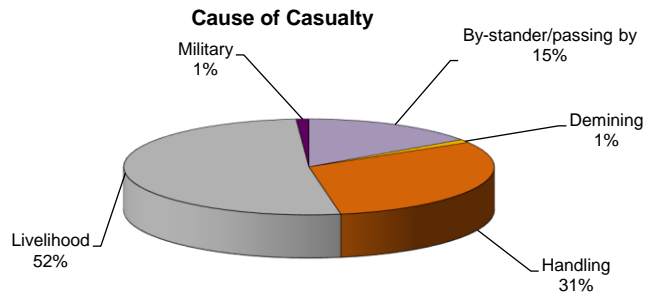
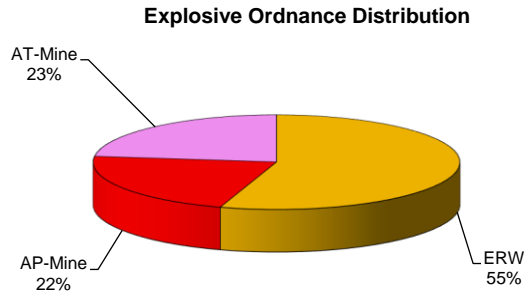
Jan2020 - May2021

Rank	Commune	District	Province	Mine Casualties	ERW Casualties	Total Casualties	Cum. Total
1	Thma Da	Veal Veang	Pursat	6	4	10	10
2	Sror Aem	Choam Khsant	Preah Vihear	7	0	7	17
3	Ta Taok	Samlout	Battambang	2	5	7	24
4	Samlout	Samlout	Battambang	3	3	6	30
5	Kantuot	Choam Khsant	Preah Vihear	0	4	4	34
6	Soengh	Ou Chrov	Banteay Mean Chey	0	4	4	38
7	Chhnal Moan	Koas Krala	Battambang	2	1	3	41
8	Trapeang Pring	Dambae	Tboung Khmum	0	3	3	44
9	Kakaoh	Santuk	Kampong Thom	0	2	2	46
10	Kamrieng	Kamrieng	Battambang	0	2	2	48

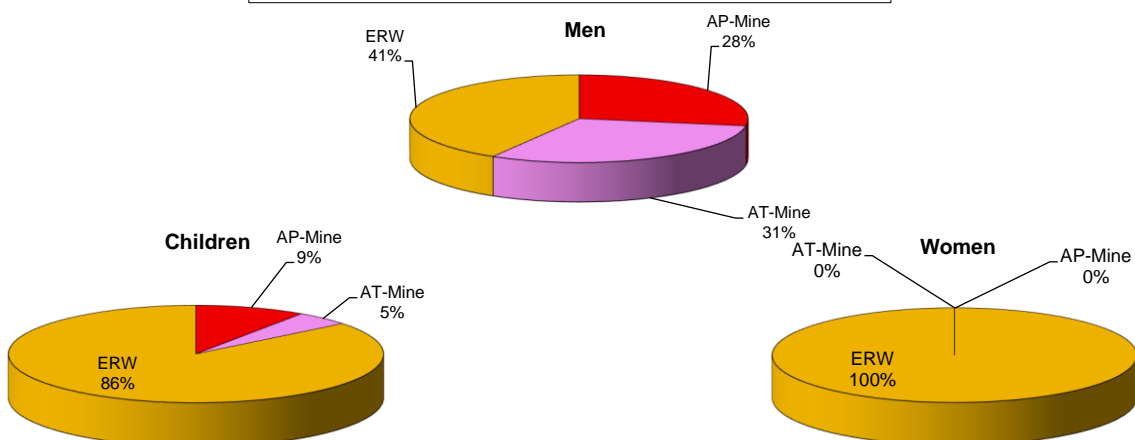
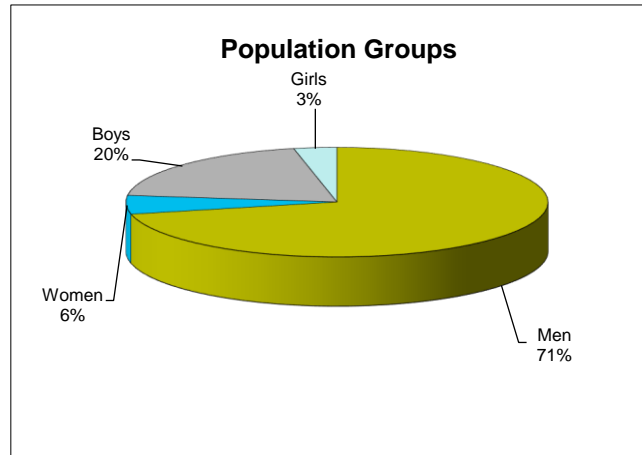
OVERVIEW OF EXPLOSIVE ORDNANCE ACCIDENTS

Jan2020 - May2021

Total Number of Casualties during Reporting Period: 91



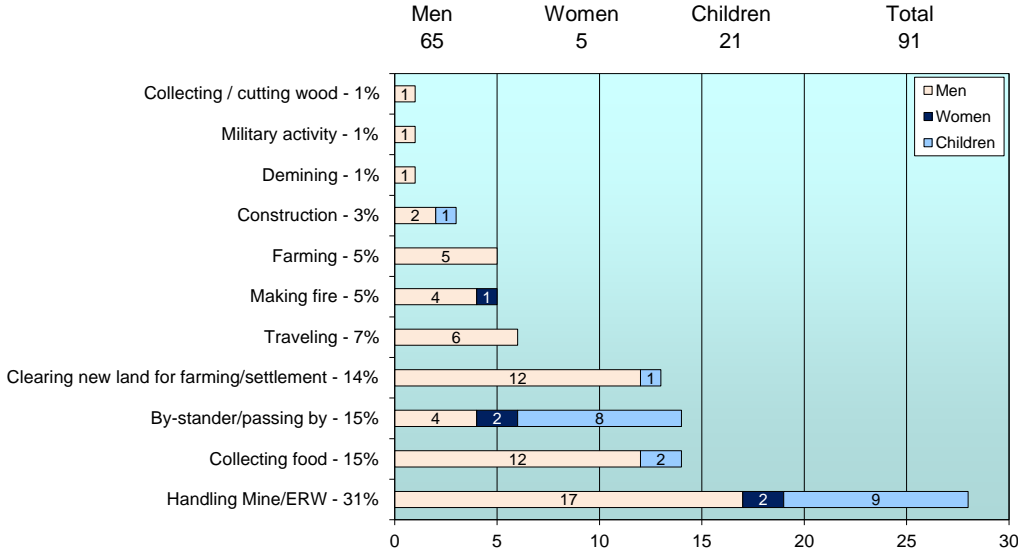
EXPLOSIVE ORDNANCE ACCIDENT OVERVIEW



Jan2020 - May2021

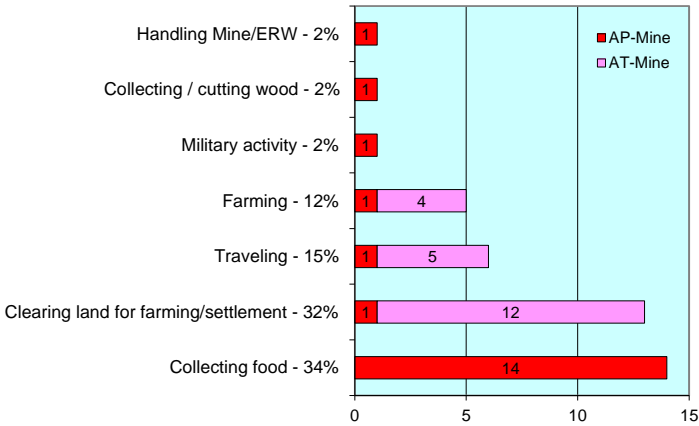
Number of accidents during Reporting Period: **91**

Cause of Accident by Total Population Group



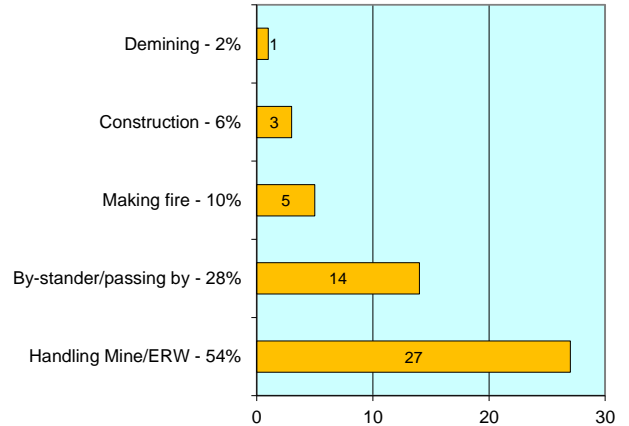
Activities - Mines

41



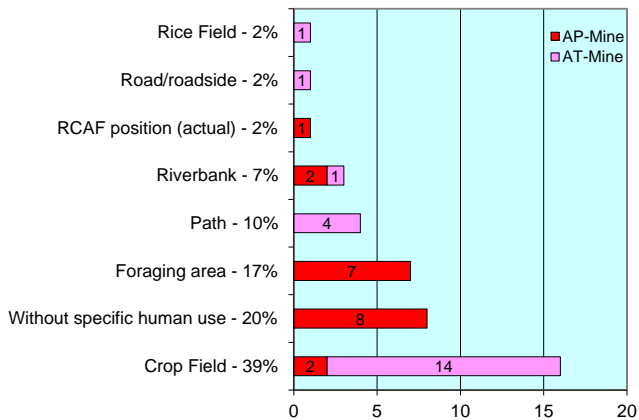
Activities - ERW

50



Explosive Ordnance Accidents by Terrain Type

Terrain - Mines



Terrain - ERW

