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C.M.A.A

CAMBODIA MINE/ERW VICTIM INFORMATION SYSTEM

**MONTHLY REPORT
FOR
JULY 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 July 2021

For the period of January 1979 to July 2021, a total of **64950** EO casualties were recorded by CMVIS data gatherers.

All of the 64950 EO casualties:

- 51142 (79%) were Mine casualties, and 13808 (21%) were ERW casualties.
- 36077 (56%) people injured, 19806 (30%) people killed, and 9067 (14%) people amputated.
- 52615 (81%) casualties were men, 6087 (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 July 2021

From January to July 2021, 25 EO accidents were provisionally recorded. This figure represents a decrease of 31% compared with 36 EO accidents reported in the same periods in 2020. Of the 25 EO accidents, 14 were mine accidents and 11 were ERW accidents.

3- Casualty Summary for January to July 2021

From January to July 2021, 30 EO casualties were provisionally recorded. This figure represents a decrease of 33% compared with 45 EO casualties reported from January to July 2020.

All of the 30 EO casualties:

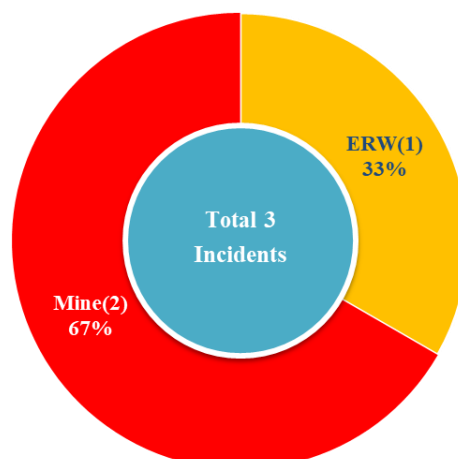
- 16 people were mine casualties, and 14 people were ERW casualties.
- 9 people killed, 15 people injured, and 6 people amputated.
- 25 casualties were men, 4 casualties were boys (age<18), and 1 casualty was a woman.

4- Accident Summary for July 2021

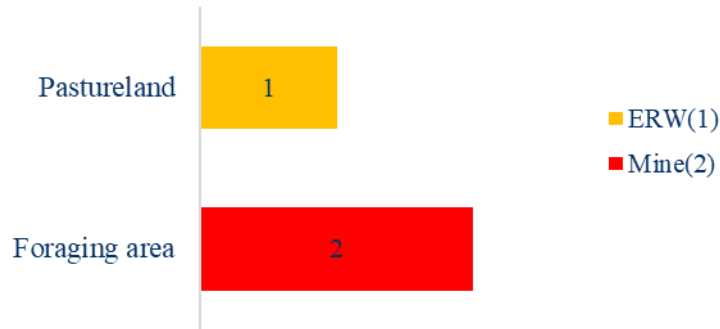
In July 2021, 3 EO accidents were provisionally recorded in Preah Vihear, Pursat, and Otdar Meanchey provinces (CMVIS data gatherers collected information about accidents primarily through interviews with local authorities, Mine action agencies, relatives, families of casualties, or casualty's them-selves). The figure for July 2021 is decreased by 40% compared with 5 EO accidents reported in July 2020. Of the 3 EO accidents, 2 were mine accidents, and 1 was ERW accident.

- **Type of explosive ordnance**

Number of incidents caused by EO



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



5- Casualty Summary for July 2021

In July 2021, **4 EO casualties** were provisionally recorded. This figure for July 2021 is decreased by 43% compared with 7 casualties in July 2020.

Of the 4 EO casualties:

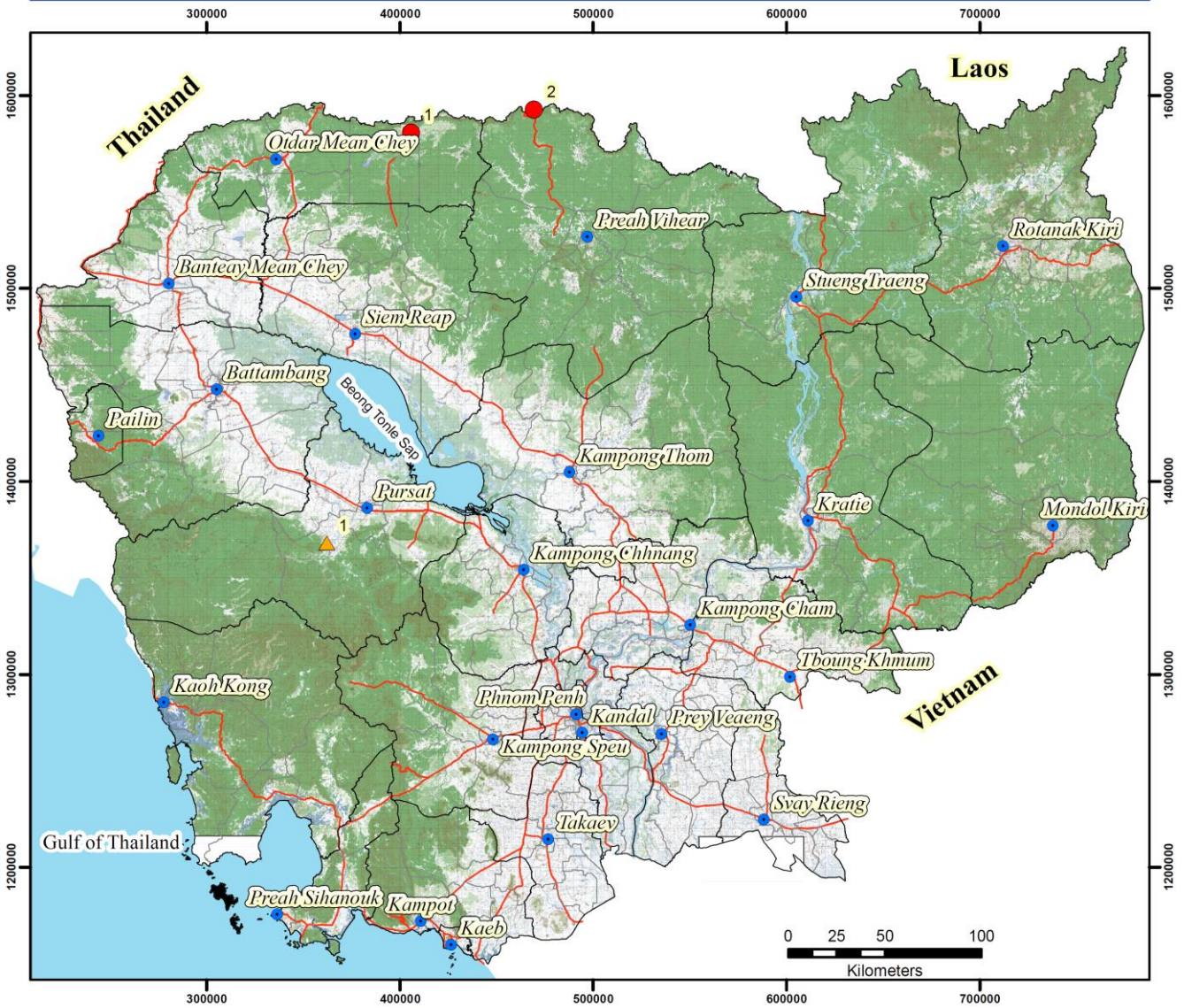
- 3 people were mine casualties, and 1 people was ERW casualty.
- 1 people killed, and 3 people injured.
- 2 casualties were men, and 2 casualties were boys (age<18).
- The activity at the time of accident of 4 casualties, as Collecting food activity accounted for 3 casualties, and Handling Mine/ERW activity accounted for 1 casualty.



6- Impact of accident area for the period of January 2020 to July 2021 (95 casualties)

- 05 most affected provinces represent **78%** 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 July 2021
Accident: 3 cases, Casualty: 4 people



Legend

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



Produced by CMVIS, Aug 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

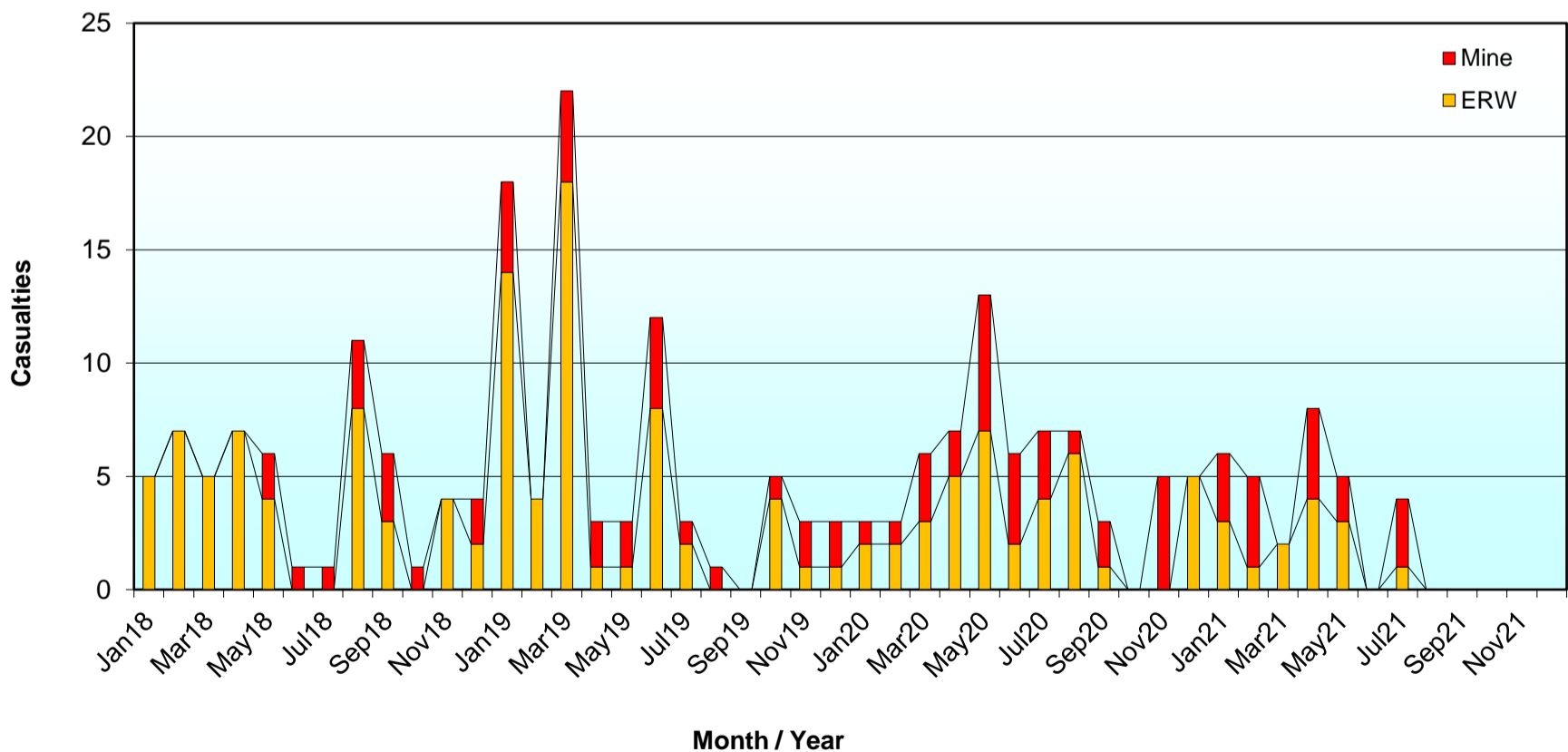
Casualty Trend

Report Explosive Ordnance Casualties for the Period of: January 2018 - July 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	0	4						30
monthly change +/- from 2020	3	2	-4	1	-8	-6	-3						
monthly change % from 2020	100	67	-67	14	-62	-100	-43						
<i>Running Total 2021</i>	6	11	13	21	26	26	30						
% change 2020 to 2021	100	83	8	11	-19	-32	-33						

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 - July 2021

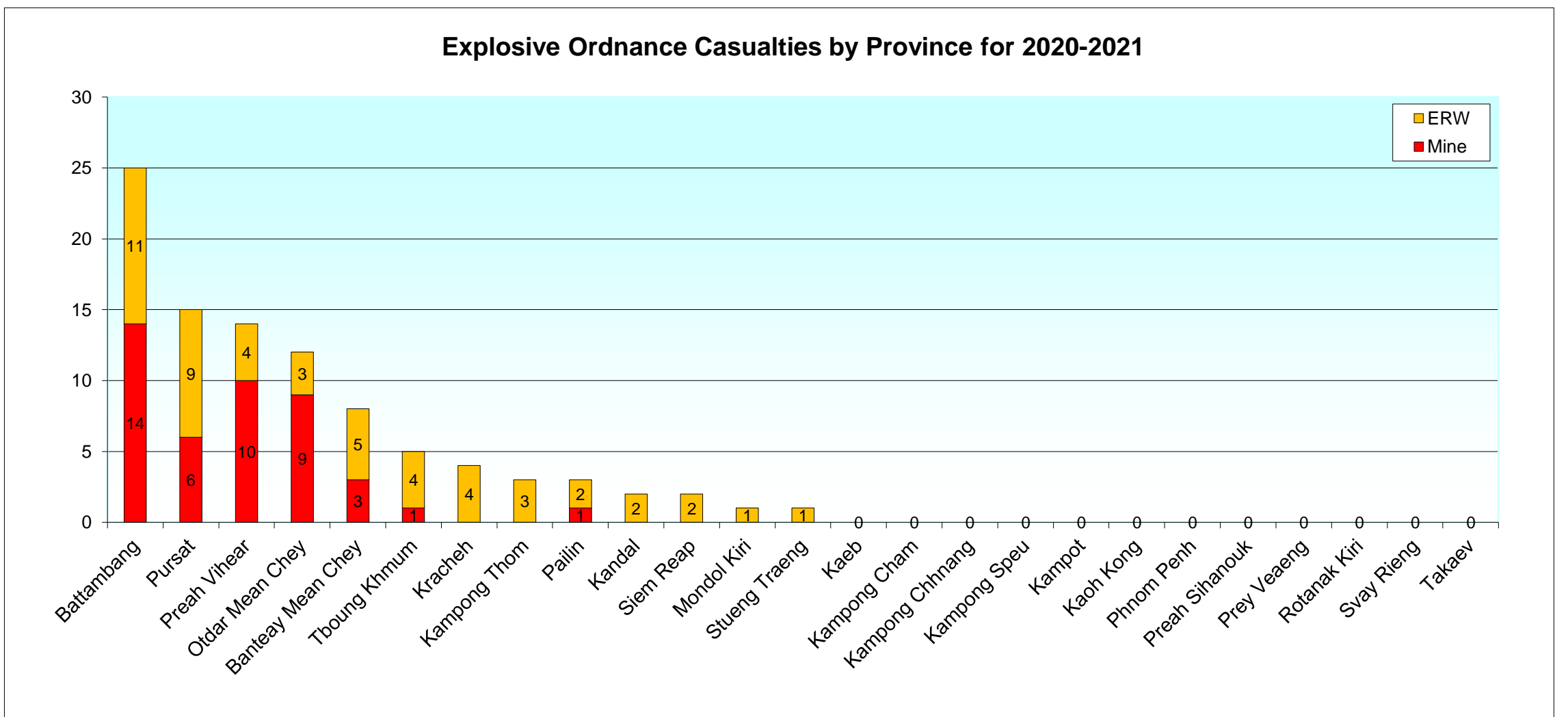


Monthly Explosive Ordnance Accident Casualties: Jan2020 - Jul2021

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.	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	26.3	26
Pursat	0	0	1	0	2	0	1	6	0	0	0	0	10	2	0	0	0	2	0	1	0	0	0	0	0	5	15	40	15.8	42
Preah Vihear	0	1	0	0	1	0	4	0	2	0	4	0	12	0	0	0	0	0	0	2	0	0	0	0	0	2	14	54	14.7	57
Otdar Mean Chey	0	0	0	0	1	0	0	1	0	0	1	0	3	1	3	1	3	0	0	1	0	0	0	0	0	9	12	66	12.6	69
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	74	8.4	78
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	79	5.3	83
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	83	4.2	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	86	3.2	91
Pailin	0	0	0	0	2	0	0	0	0	0	0	0	2	0	0	0	1	0	0	0	0	0	0	0	0	1	3	89	3.2	94
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	91	2.1	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	93	2.1	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	94	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	95	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	95	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	95	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	95	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	95	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	95	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	0	95	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	95	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	95	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	95	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	95	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	95	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	95	0	100
TOTAL	3	3	6	7	13	6	7	7	3	0	5	5	65	6	5	2	8	5	0	4	0	0	0	0	0	30	95			

Explosive Ordnance Casualties by Province for 2020-2021



5 Most Affected Provinces for Explosive Ordnance Casualties

Ranked by Total Casualties

Jan2020 - Jul2021

Rank	Province	Mine Casualties	ERW Casualties	Total Casualties	Cumulative Total
1	Battambang	14	11	25	25
2	Pursat	6	9	15	40
3	Preah Vihear	10	4	14	54
4	Otdar Mean Chey	9	3	12	66
5	Banteay Mean Chey	3	5	8	74

10 Most Affected Districts for Explosive Ordnance Casualties

Ranked by Total Casualties

Jan2020 - Jul2021

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	10	4	14	43
4	Anlong Veang	Otdar Mean Chey	7	1	8	51
5	Ou Chrov	Banteay Mean Chey	1	4	5	56
6	Dambae	Tboung Khmum	1	3	4	60
7	Koas Krala	Battambang	3	1	4	64
8	Samraong	Otdar Mean Chey	2	1	3	67
9	Chetr Borei	Kracheh	0	2	2	69
10	Kamrieng	Battambang	0	2	2	71

10 Most Affected Communes for Explosive Ordnance Casualties

Ranked by Total Casualties

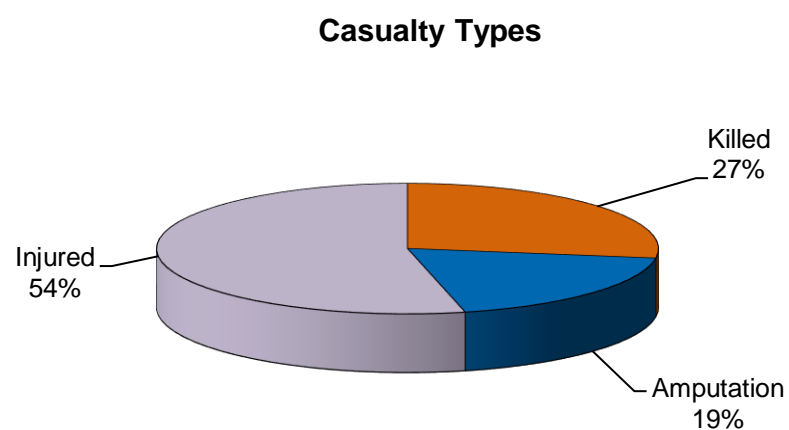
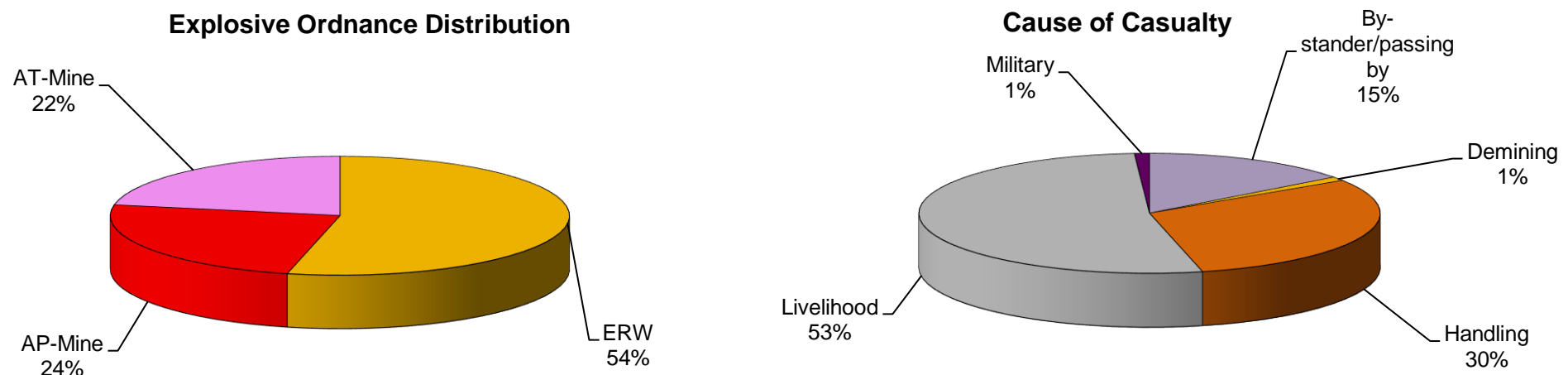
Jan2020 - Jul2021

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	9	0	9	19
3	Ta Taok	Samlout	Battambang	2	5	7	26
4	Samlout	Samlout	Battambang	3	3	6	32
5	Kantuot	Choam Khsant	Preah Vihear	0	4	4	36
6	Soengh	Ou Chrov	Banteay Mean Chey	0	4	4	40
7	Trapeang Pring	Dambae	Tboung Khmum	0	3	3	43
8	Chhnal Moan	Koas Krala	Battambang	2	1	3	46
9	Sung	Samlout	Battambang	2	0	2	48
10	Kamrieng	Kamrieng	Battambang	0	2	2	50

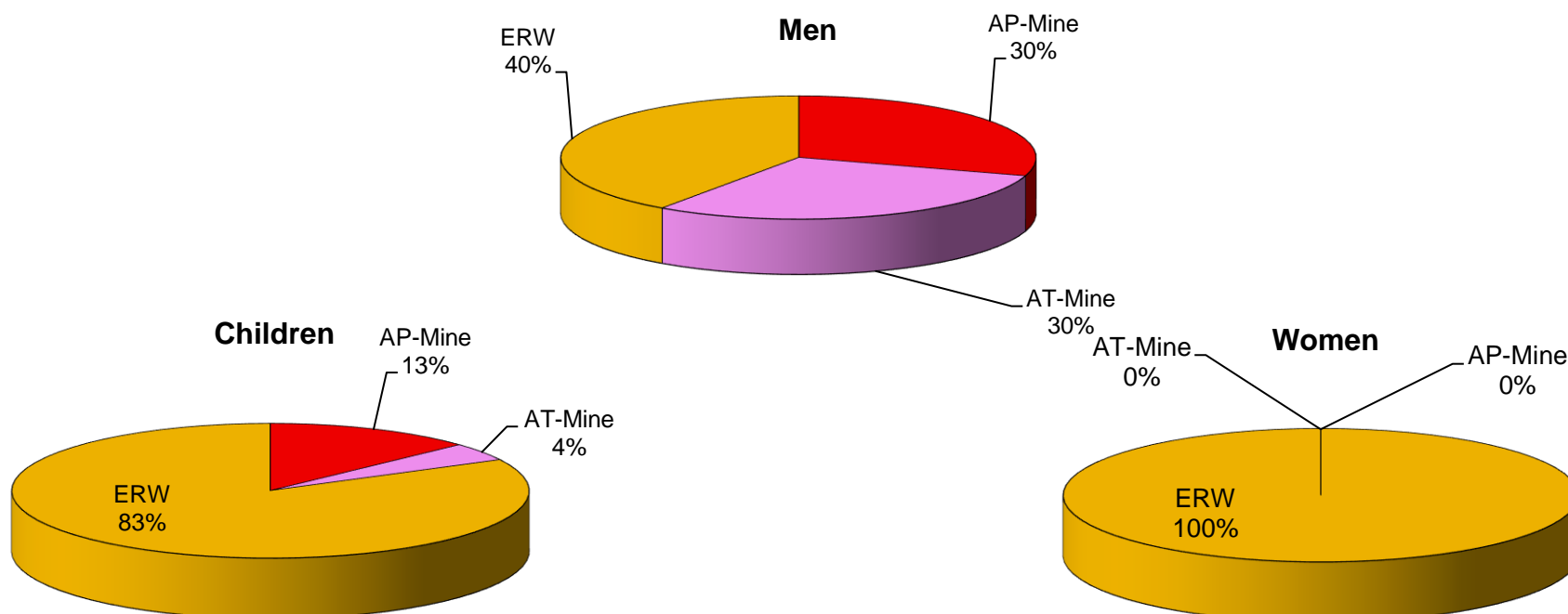
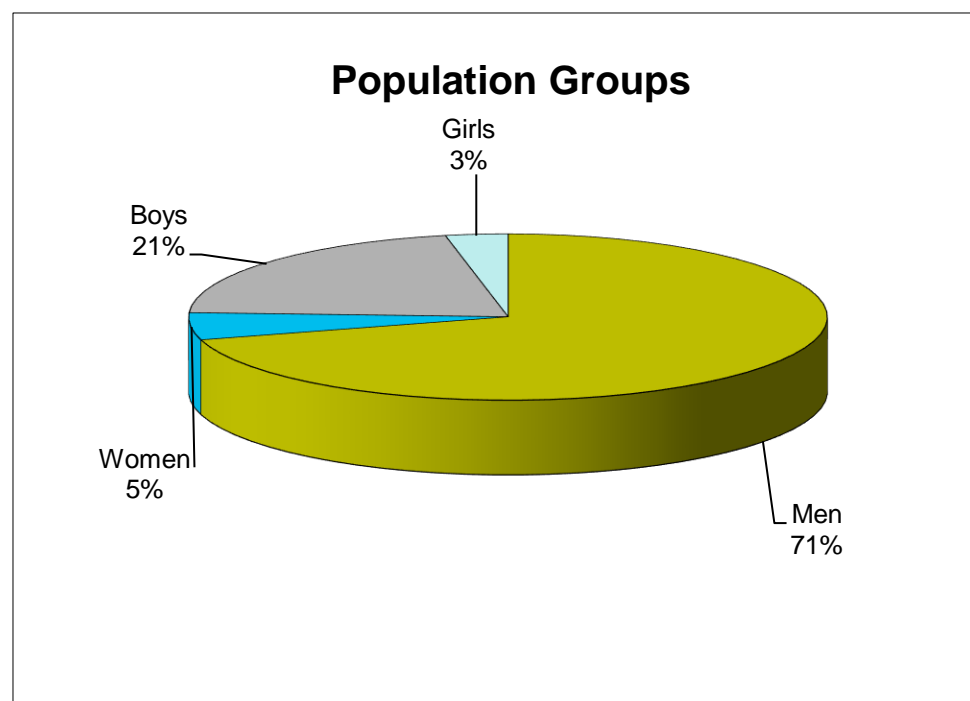
OVERVIEW OF EXPLOSIVE ORDNANCE ACCIDENTS

Jan2020 - Jul2021

Total Number of Casualties during Reporting Period: 95



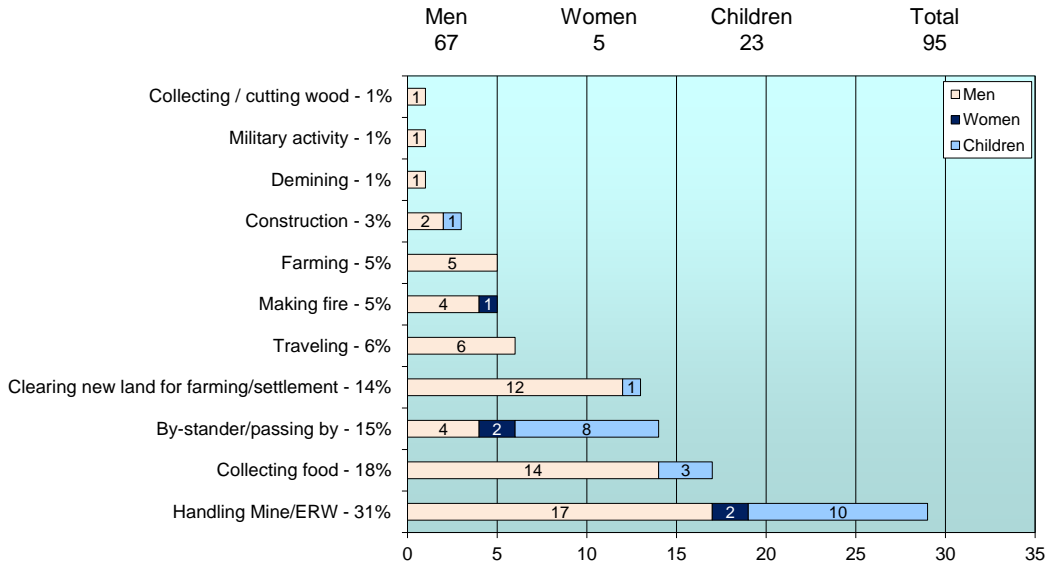
EXPLOSIVE ORDNANCE ACCIDENT OVERVIEW



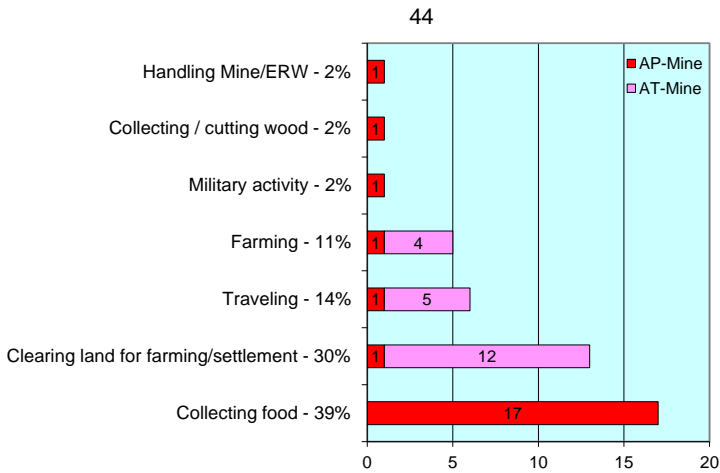
Jan2020 - Jul2021

Number of accidents during Reporting Period: **95**

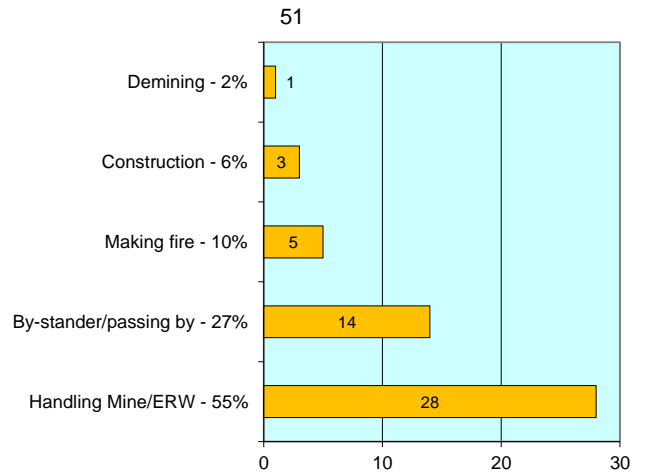
Cause of Accident by Total Population Group



Activities - Mines

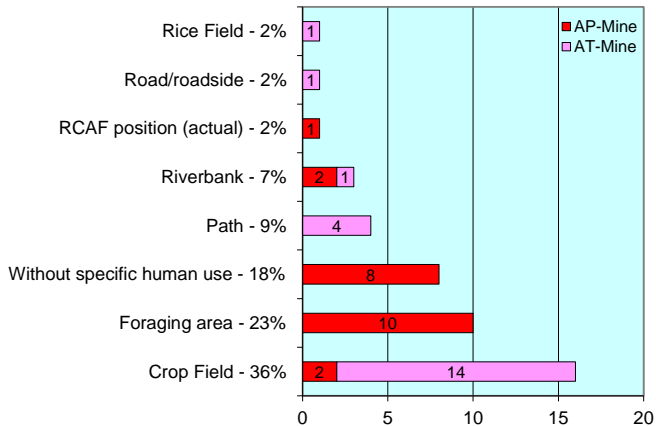


Activities - ERW



Explosive Ordnance Accidents by Terrain Type

Terrain - Mines



Terrain - ERW

