



អង្គការមីន

C.M.A.A

CAMBODIA MINE/ERW VICTIM INFORMATION SYSTEM

**MONTHLY REPORT
FOR
DECEMBER 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 December 2021

For the period of January 1979 to December 2021, a total of **64964** EO casualties were recorded by CMVIS official.

All of the 64964 EO casualties:

- 51148 (79%) were Mine casualties, and 13816 (21%) were ERW casualties.
- 36086 (56%) people injured, 19808 (30%) people killed, and 9070 (14%) people amputated.
- 52622 (81%) casualties were men, 6094 (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 December 2021

From January to December 2021, **34 EO** accidents were provisionally recorded. This figure represents a decrease by 28% compared with 47 EO accidents reported in the same periods in 2020. Of the 34 EO accidents, 19 were mine accidents and 15 were ERW accidents.

3- Casualty Summary for January to December 2021

From January to December 2021, 44 EO casualties were provisionally recorded. This figure represents a decrease by 32% compared with 65 EO casualties reported from January to December 2020.

All of the 44 EO casualties:

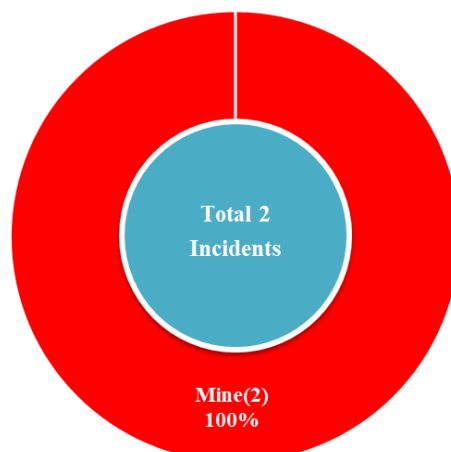
- 22 people were mine casualties, and 22 people were ERW casualties.
- 11 people killed, 24 people injured, and 9 people amputated.
- 32 casualties were men, 11 casualties were boys (age<18), and 1 casualty was a woman.

4- Accident Summary for December 2021

In December 2021, **2 EO** accidents were provisionally recorded in Preah Vihear, 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 December 2021 is decreased by 33% compared with 3 EO accidents reported in December 2020. Of the 2 EO accidents were a mine accidents.

- **Type of explosive ordnance**

Number of incidents caused by EO



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

- 1 Mine accident in Crop Field
- 1 Mine accident in Foraging Area

5- Casualty Summary for December 2021

In December 2021, **2 EO casualties** were provisionally recorded. This figure for December 2021 is decreased by 60% compared with 5 EO casualties in December 2020.

Of the 2 EO casualties:

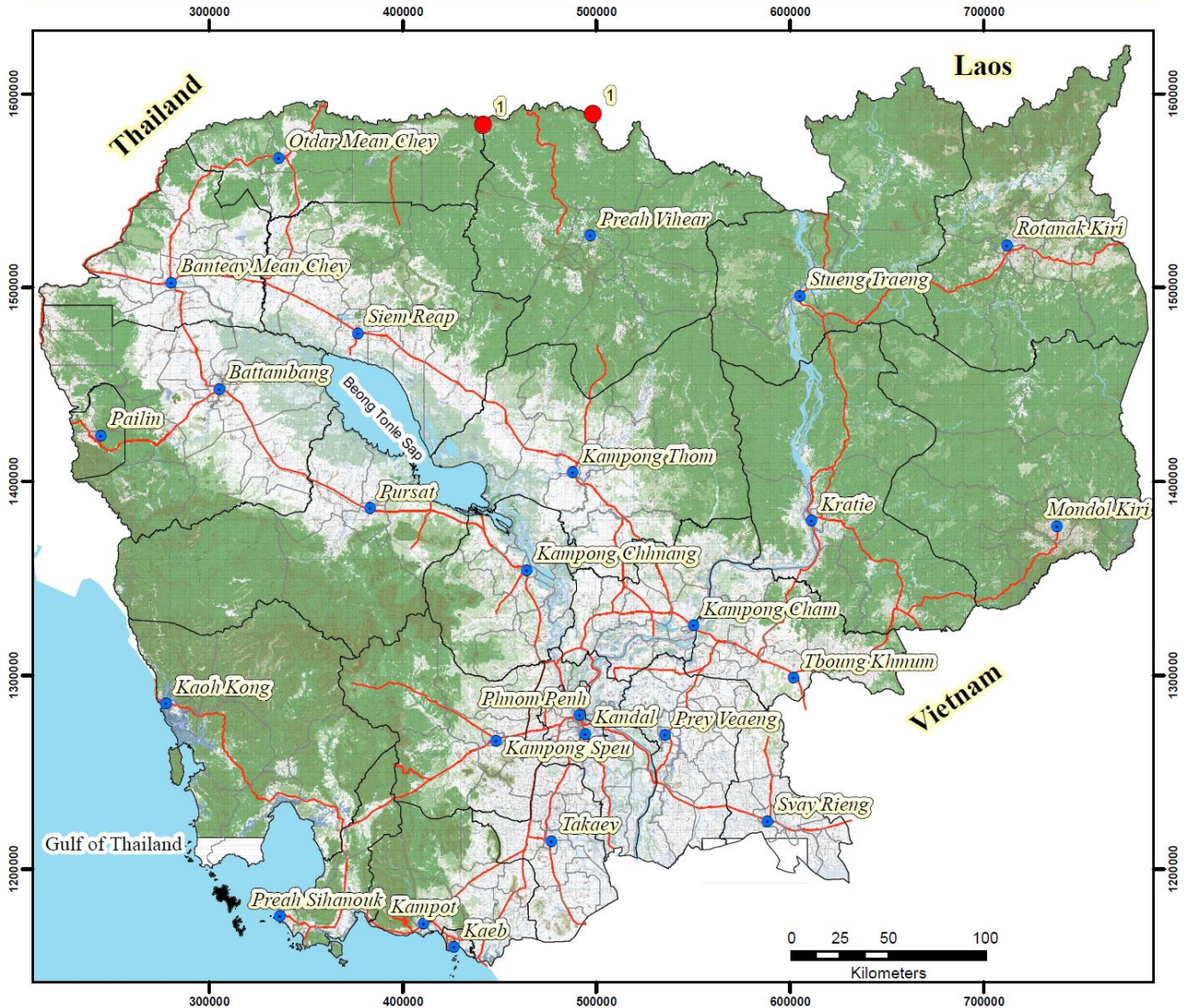
- 2 people were mine casualties.
- 1 people injured, and 1 people amputated.
- 2 casualties were men.
- The activity at the time of accident of casualties, they were Clearing new land for agriculture activity accounted for 1 casualty, and Collecting food activity accounted for 1 casualty.

6- Impact of accident area for the period of January 2020 to December 2021 (109 casualties)

- 05 most affected provinces represent **75%** of total casualties.
- 10 most affected districts represent **71%** of total casualties.
- 10 most affected communes represent **49%** of total casualties.

For detailed information, please see on page 7.

Explosive Ordnance Accident location in December 2021
Accident: 2 cases, Casualty: 2 people



Legend

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



Produced by CMVIS, Jan 2022

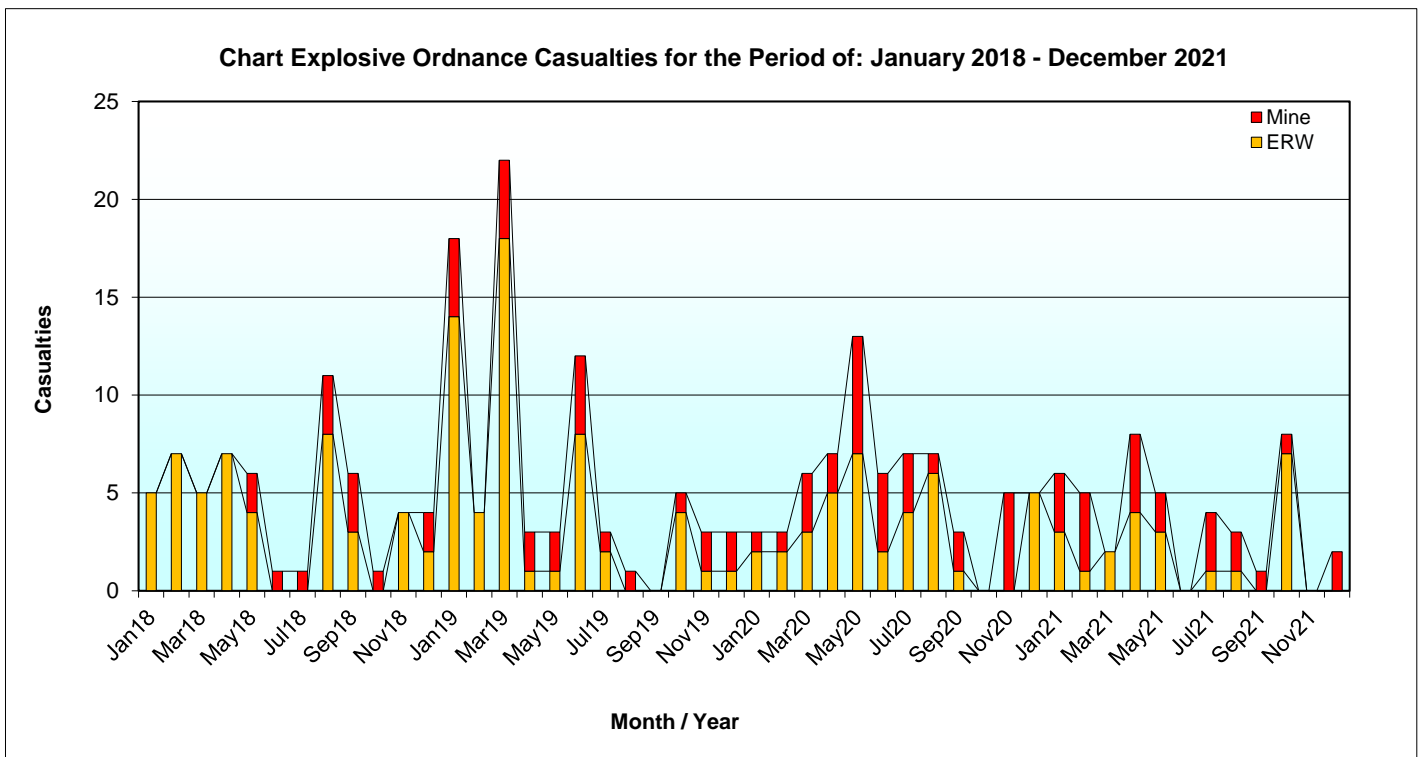
Further analysis and detailed EO casualty/accident information are available on request, including the production of risk maps and the provision of village-level data. For customised reports more suited to your organisation's needs, contact CMVIS office: ketya@cmaa.gov.kh

Casualty Trend

Report Explosive Ordnance Casualties for the Period of: January 2018 - December 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	3	1	8	0	2	44
monthly change +/- from 2020	3	2	-4	1	-8	-6	-3	-4	-2	8	-5	-3	
monthly change % from 2020	100	67	-67	14	-62	-100	-43	-57	-67	100	-100	-60	
<i>Running Total 2021</i>	6	11	13	21	26	26	30	33	34	42	42	44	
% change 2020 to 2021	100	83	8	11	-19	-32	-33	-37	-38	-24	-30	-32	

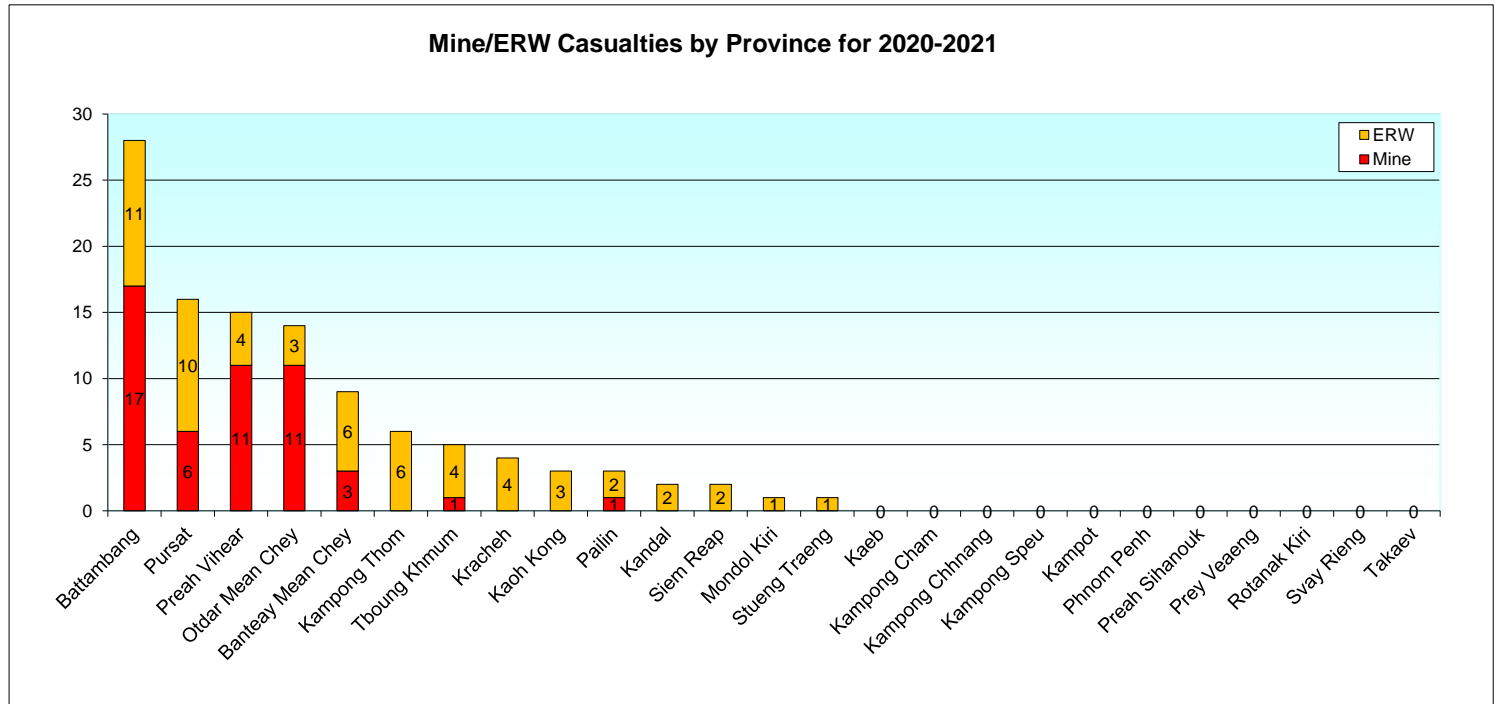
Note: Casualty figures for prior months are continually updated and verified as a part of the on-going data collection process.



Monthly Explosive Ordnance Accident Casualties: Jan2020 - Dec2021

Provinces ranked by Total Explosive Ordnance Casualties for 2020 - 2021

Province	2020												2021												Total 2020-2021	Cum. Total	% of Total	Cum. %		
	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21						
Battambang	2	0	2	2	6	3	1	0	0	0	0	3	19	2	0	1	1	2	0	0	2	1	0	0	0	9	28	28	25.7	26
Pursat	0	0	1	0	2	0	1	6	0	0	0	0	10	2	0	0	0	2	0	1	0	0	1	0	0	6	16	44	14.7	40
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	1	3	15	59	13.8	54	
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	1	0	1	11	14	73	12.8	67
Banteay Mean Chey	0	0	0	4	0	1	1	0	1	0	0	0	7	0	1	0	0	0	0	0	1	0	0	0	0	2	9	82	8.3	75
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	3	6	88	5.5	81	
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	93	4.6	85
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	97	3.7	89
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	100	2.8	92
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	3	0	3	3	103	2.8	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	105	1.8	96
Siem Reap	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2	2	107	1.8	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	108	0.9	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	109	0.9	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	109	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	109	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	109	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	109	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	109	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	109	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	109	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	109	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	109	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	109	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	109	0	100
TOTAL	3	3	6	7	13	6	7	7	3	0	5	5	65	6	5	2	8	5	0	4	3	1	8	0	2	44	109			



5 Most Affected Provinces for Explosive Ordnance Casualties

Ranked by Total Casualties

Jan2020 - Dec2021

Rank	Province	Mine Casualties	ERW Casualties	Total Casualties	Cumulative Total
1	Battambang	17	11	28	28
2	Pursat	6	10	16	44
3	Preah Vihear	11	4	15	59
4	Otdar Mean Chey	11	3	14	73
5	Banteay Mean Chey	3	6	9	82

10 Most Affected Districts for Explosive Ordnance Casualties

Ranked by Total Casualties

Jan2020 - Dec2021

Rank	District	Province	Mine Casualties	ERW Casualties	Total Casualties	Cumulative Total
1	Samlout	Battambang	8	8	16	16
2	Choam Khsant	Preah Vihear	11	4	15	31
3	Veal Veang	Pursat	6	8	14	45
4	Anlong Veang	Otdar Mean Chey	7	1	8	53
5	Ou Chrov	Banteay Mean Chey	1	4	5	58
6	Dambae	Tboung Khmum	1	3	4	62
7	Koas Krala	Battambang	3	1	4	66
8	Prasat Balangk	Kampong Thom	0	4	4	70
9	Samraong	Otdar Mean Chey	3	1	4	74
10	Botum Sakor	Kaoh Kong	0	3	3	77

10 Most Affected Communes for Explosive Ordnance Casualties

Ranked by Total Casualties

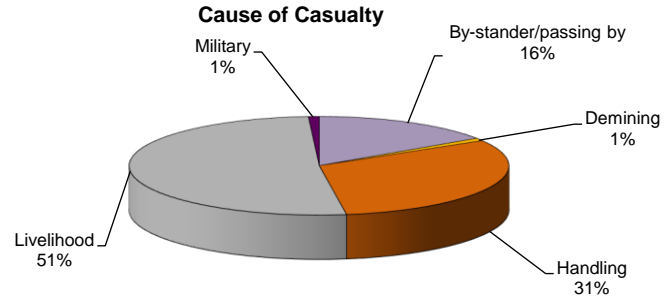
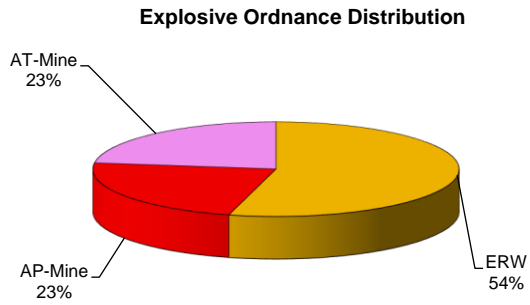
Jan2020 - Dec2021

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	Sala Visai	Prasat Balangk	Kampong Thom	0	4	4	44
8	Chhnal Moan	Koas Krala	Battambang	2	1	3	47
9	Andoung Tuek	Botum Sakor	Kaoh Kong	0	3	3	50
10	Trapeang Pring	Dambae	Tboung Khmum	0	3	3	53

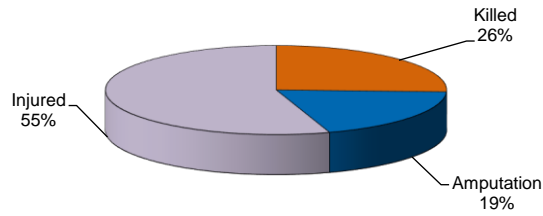
OVERVIEW OF EXPLOSIVE ORDNANCE ACCIDENTS

Jan2020 - Dec2021

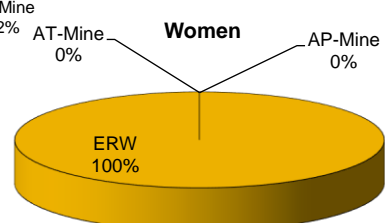
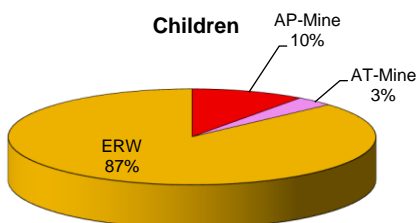
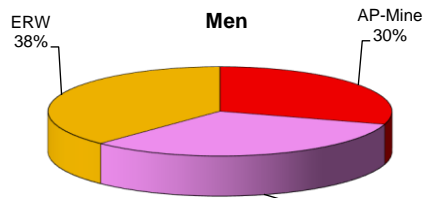
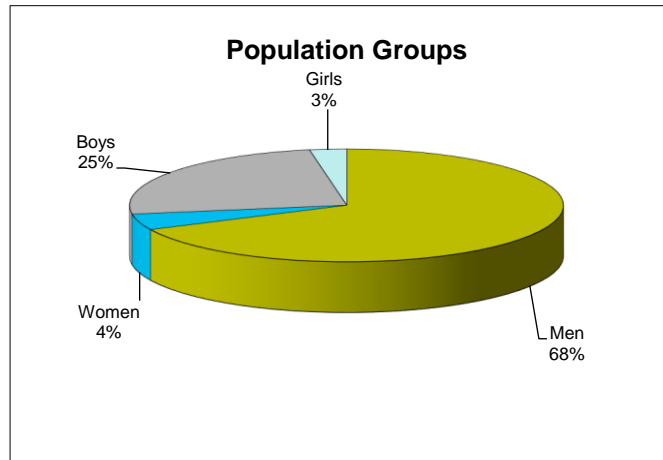
Total Number of Casualties during Reporting Period: 109



Casualty Types



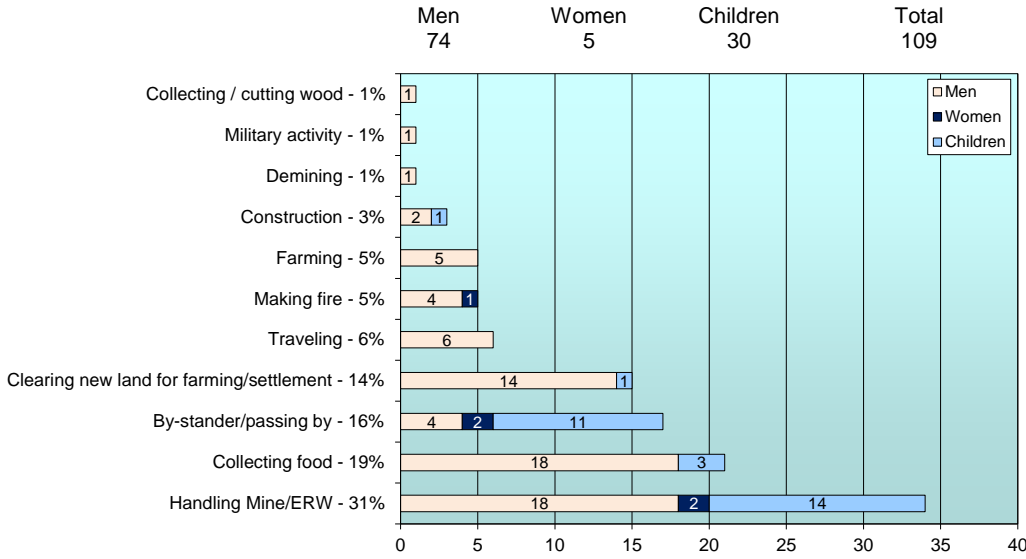
EXPLOSIVE ORDNANCE ACCIDENT OVERVIEW



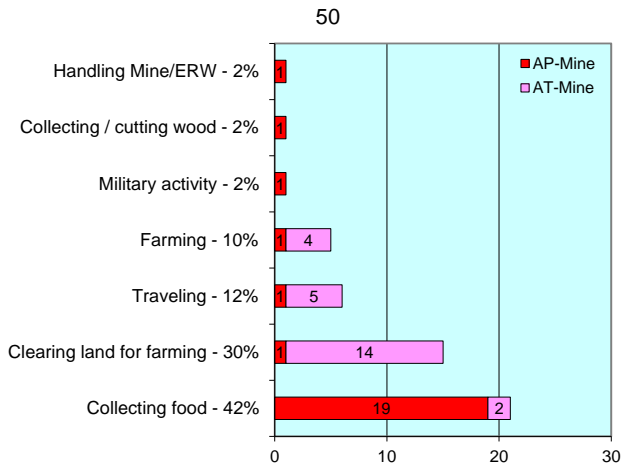
Jan2020 - Dec2021

Number of accidents during Reporting Period: **109**

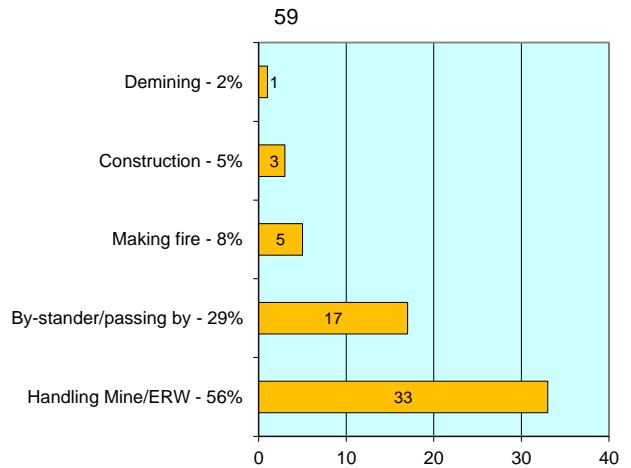
Cause of Accident by Total Population Group



Activities - Mines

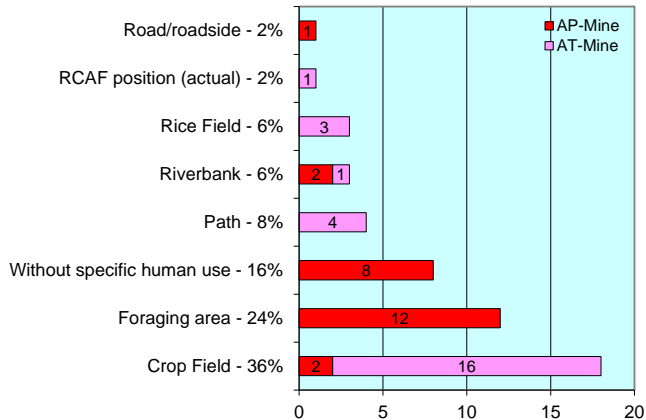


Activities - ERW

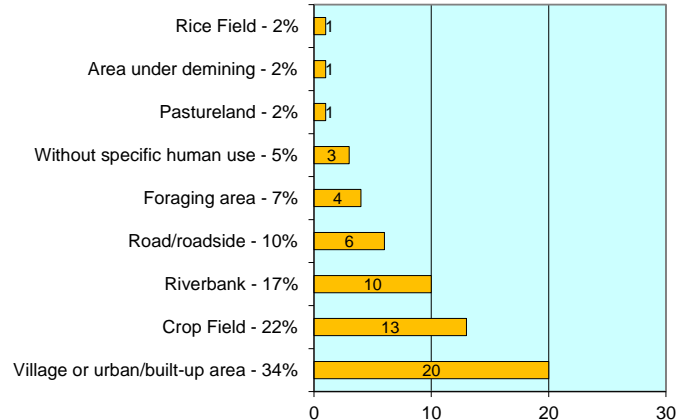


Explosive Ordnance Accidents by Terrain Type

Terrain - Mines

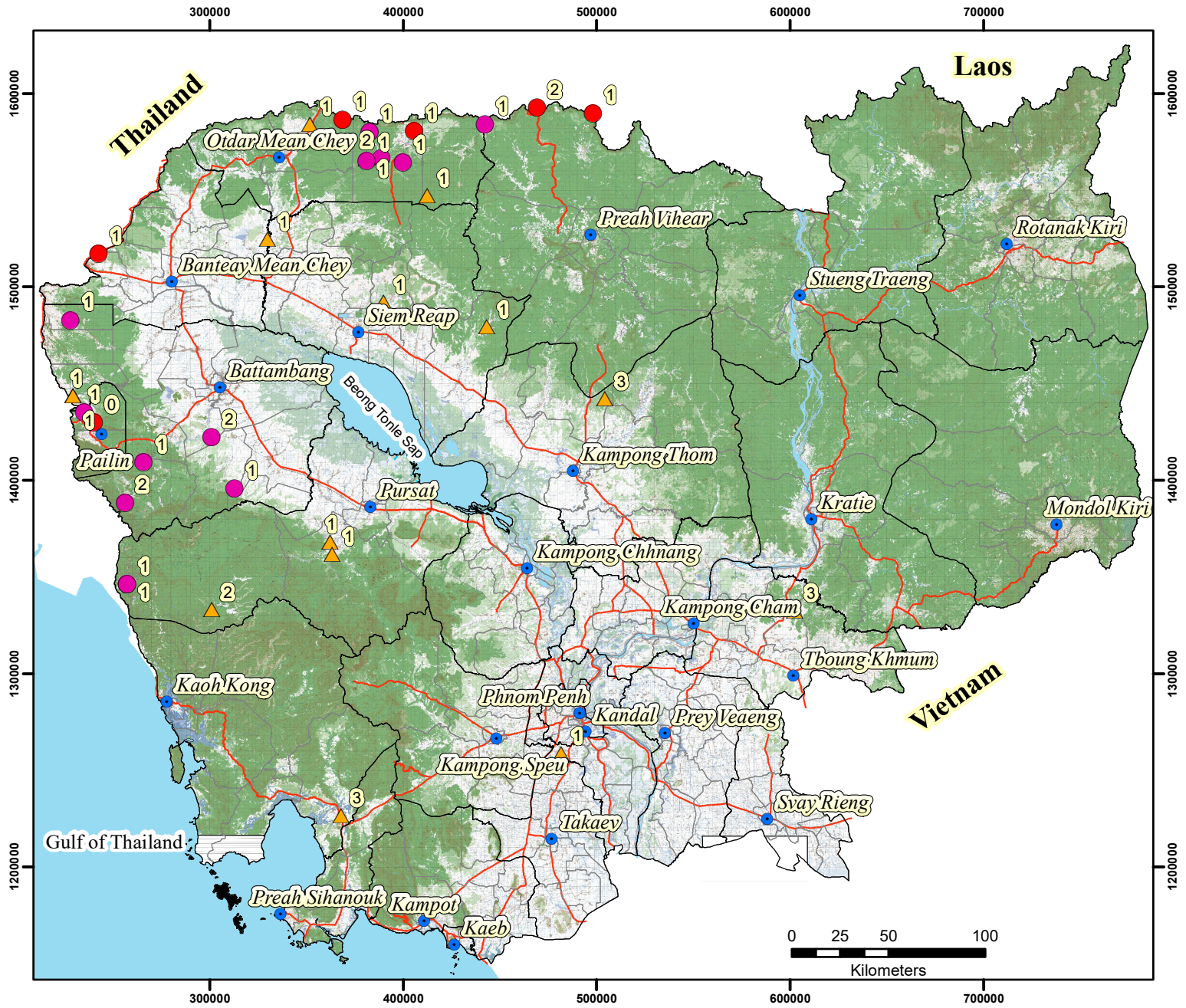


Terrain - ERW



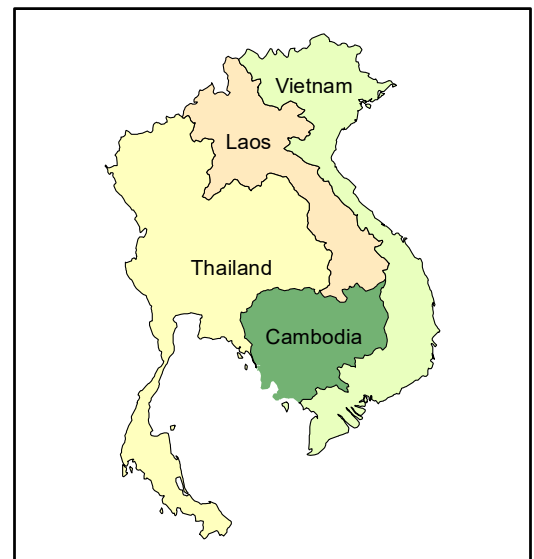
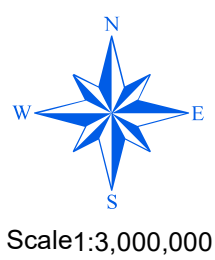
Explosive Ordnance Accident location from January to December 2021

Accident: 34 cases, Casualty: 44 people



Legend

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



Produced by CMVIS, Jan 2022