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**CAMBODIA MINE ACTION AND VICTIM ASSISTANCE AUTHORITY
CMAA**



CAMBODIA MINE/ERW VICTIM INFORMATION SYSTEM

Monthly Report April 2010

C M V I S
Cambodia Mine/UXO Victim Information System

1- Background

The Cambodia Mine/ERW Victim Information System (CMVIS) was established in 1994 to provide continuous and 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.

2- Casualty Summary

In April 2010, **17 new casualties** from **10 Mine/ERW accidents** in 8 different provinces were provisionally reported by CMVIS data gatherers. The total casualties reported from January to April 2010 reach 72. This represents a decrease of 38% compared with the same period in 2009.

• Of the 17 new Mine/ERW Casualties

- 12 (70.59%) casualties resulted from 6 ERW accidents and 5 (29.41%) casualties resulted from 4 mine accidents.
- 11 (64.71%) people were injured, 3(17.65%) people were amputated and 3(17.65%) people were killed.
- 08(47.06%) casualties were men, 1(5.58%) casualty was woman, 3(17.65%) were girl<18 and 5(29.41%) casualties were boy<18.

• Impact of prevention efforts

- 13(76.47%) casualties reportedly received **MRE messages** prior to the accident.

• Impact of accident area for the period of January 2009 to April 2010 (316 casualties)

- 5 most affected provinces represent for 70.57% of total casualties.
- 10 most affected districts represent for 50.32% of total casualties.
- 10 most affected communes represent for 30.06% of total casualties.

For detailed information, please see on page 8.

3. Detailed data for casualties

Hereinafter is the detailed information on the **17 new casualties** provisionally reported in April 2010 compared with the information on the **17 casualties** reported in March 2009.

Detailed accident Information

	Apr-10						Apr-09					
	Mine		ERW		Total		Mine		ERW		Total	
1 Type of explosive Ordnance	4	40.00%	6	60.00%	10	100.00%	8	57.14%	6	42.86%	14	100.00%
2 Incident Area												
Rice Field	1	10.00%	1	10.00%	2	20.00%	1	7.14%	1	7.14%	2	14.29%
Crop Field	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Orchard/plantation	0	0.00%	1	10.00%	1	10.00%	1	7.14%	0	0.00%	1	7.14%
Road/roadside	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
RCAF position (actual)	0	0.00%	0	0.00%	0	0.00%	1	7.14%	0	0.00%	1	7.14%
Area under demining	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Path	0	0.00%	0	0.00%	0	0.00%	2	14.29%	0	0.00%	2	14.29%
Riverbank	1	10.00%	1	10.00%	2	20.00%	0	0.00%	0	0.00%	0	0.00%
Pastureland	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Foraging area	2	20.00%	0	0.00%	2	20.00%	2	14.29%	2	14.29%	4	28.57%
Village or urban/built-up area	0	0.00%	3	30.00%	3	30.00%	1	7.14%	3	21.43%	4	28.57%
Without specific human use	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Near Military Position	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Minefield	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Unknown	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
3 Was the area marked as Mine/ERW contaminated?												
Yes	0	0.00%	1	10.00%	1	10.00%	0	0.00%	0	0.00%	0	0.00%
No	3	30.00%	4	40.00%	7	70.00%	8	57.14%	6	42.86%	14	100.00%
Unknown	1	10.00%	1	10.00%	2	20.00%	0	0.00%	0	0.00%	0	0.00%

4- Detailed Casualty Information

	Apr-10						Apr-09					
	Mine		ERW		Total		Mine		ERW		Total	
1 Type of explosive Ordnance	5	29.41%	12	70.59%	17	100.00%	9	52.94%	8	47.06%	17	100.00%
2 Consequences of the accidents												
Killed	1	5.88%	2	11.76%	3	17.65%	1	5.88%	0	0.00%	1	5.88%
Amputation	2	11.76%	1	5.88%	3	17.65%	5	29.41%	1	5.88%	6	35.29%
Injured	2	11.76%	9	52.94%	11	64.71%	3	17.65%	7	41.18%	10	58.82%
3 Population Group												
Boy<18	1	5.88%	4	23.53%	5	29.41%	1	5.88%	2	11.76%	3	17.65%
Girl<18	0	0.00%	3	17.65%	3	17.65%	0	0.00%	3	17.65%	3	17.65%
Man	4	23.53%	4	23.53%	8	47.06%	8	47.06%	3	17.65%	11	64.71%
Woman	0	0.00%	1	5.88%	1	5.88%	0	0.00%	0	0.00%	0	0.00%
4 Casualty's Occupation												
Soldier	1	5.88%	0	0.00%	1	5.88%	2	11.76%	0	0.00%	2	11.76%
Police Officer	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Farmer	0	0.00%	4	23.53%	4	23.53%	6	35.29%	3	17.65%	9	52.94%
Fisherman	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Woodcutter	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Shopkeeper	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Driver	2	11.76%	0	0.00%	2	11.76%	0	0.00%	0	0.00%	0	0.00%
Civil Servant	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Scrap Metal Collector / Refuse Recycler	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Development worker	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Daily Labourer	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Unemployed	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Other	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Demining worker	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Student or school child	0	0.00%	7	41.18%	7	41.18%	0	0.00%	5	29.41%	5	29.41%
Monk	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Child staying at home	1	5.88%	1	5.88%	2	11.76%	1	5.88%	0	0.00%	1	5.88%
Homemaker	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Informal Deminer	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Construction worker	1	5.88%	0	0.00%	1	5.88%	0	0.00%	0	0.00%	0	0.00%
Unknown	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
5 Activity at the time of incident												
Handling Mine/ERW	0	0.00%	6	35.29%	6	35.29%	0	0.00%	4	23.53%	4	23.53%
By-stander/passing by	0	0.00%	6	35.29%	6	35.29%	2	11.76%	2	11.76%	4	23.53%
Farming	2	11.76%	0	0.00%	2	11.76%	2	11.76%	0	0.00%	2	11.76%
Clearing new land for farming/settlement	0	0.00%	0	0.00%	0	0.00%	1	5.88%	0	0.00%	1	5.88%
Collecting food	1	5.88%	0	0.00%	1	5.88%	0	0.00%	0	0.00%	0	0.00%
Collecting / cutting wood	0	0.00%	0	0.00%	0	0.00%	1	5.88%	1	5.88%	2	11.76%
Herding/tending livestock	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Making fire	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	5.88%	1	5.88%
Construction	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Military activity	0	0.00%	0	0.00%	0	0.00%	2	11.76%	0	0.00%	2	11.76%
Demining	1	5.88%	0	0.00%	1	5.88%	0	0.00%	0	0.00%	0	0.00%
Traveling	1	5.88%	0	0.00%	1	5.88%	1	5.88%	0	0.00%	1	5.88%
Going to toilete	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Other	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Unknown	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
6 First medical care received												

	None	1	5.88%	4	23.53%	5	29.41%	0	0.00%	1	5.88%	1	5.88%
	Health Post	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
	Private Clinic	0	0.00%	0	0.00%	0	0.00%	0	0.00%	2	11.76%	2	11.76%
	Health Centre	0	0.00%	0	0.00%	0	0.00%	1	5.88%	4	23.53%	5	29.41%
	Referral Hospital	0	0.00%	0	0.00%	0	0.00%	1	5.88%	1	5.88%	2	11.76%
	National Hospital	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
	Army Camp / Hospital	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
	Other	0	0.00%	0	0.00%	0	0.00%	7	41.18%	0	0.00%	7	41.18%
	Unknown	4	23.53%	8	47.06%	12	70.59%	0	0.00%	0	0.00%	0	0.00%
7	Did the casualty know there were Mine/ERW at the site of the incident?												
	Yes	0	0.00%	3	17.65%	3	17.65%	1	5.88%	0	0.00%	1	5.88%
	No	3	17.65%	7	41.18%	10	58.82%	4	23.53%	5	29.41%	9	52.94%
	Unknown	2	11.76%	2	11.76%	4	23.53%	4	23.53%	3	17.65%	7	41.18%
8	Did the casualty receive MRE prior to the incident?												
	Yes	3	17.65%	10	58.82%	13	76.47%	4	23.53%	4	23.53%	8	47.06%
	No	0	0.00%	1	5.88%	1	5.88%	4	23.53%	3	17.65%	7	41.18%
	Unknown	2	11.76%	1	5.88%	3	17.65%	1	5.88%	1	5.88%	2	11.76%

5- Informants

		Apr-10			Apr-09								
		Mine	ERW	Total	Mine	ERW	Total						
12	Information												
	Victim	1	3.85%	7	26.92%	8	30.77%	1	4.35%	2	8.70%	3	13.04%
	Relative / Family	2	7.69%	8	30.77%	10	38.46%	6	26.09%	7	30.43%	13	56.52%
	Village Chief	0	0.00%	1	3.85%	1	3.85%	0	0.00%	0	0.00%	0	0.00%
	Health worker	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
	Demining worker	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
	Police	1	3.85%	2	7.69%	3	11.54%	0	0.00%	0	0.00%	0	0.00%
	Military	0	0.00%	0	0.00%	0	0.00%	3	13.04%	0	0.00%	3	13.04%
	Community Member	2	7.69%	2	7.69%	4	15.38%	3	13.04%	1	4.35%	4	17.39%
	Government	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
	Total Informants	6	23.08%	20	76.92%	26	100.00%	13	56.52%	10	43.48%	23	100.00%

6. Additional activities for CMVIS

Additional activities reported by CMVIS for the month of February 2010:

- **Mine Risk Education:** 1,192 people received MRE messages provided by CMVIS data gatherers.
- **Mine/ERW Reporting:** 257 ERW were reported to Humanitarian Mine Action operators for removal and destruction.
- **Disability awareness:** 70 people were received disability awareness messages by CMVIS data gatherers.

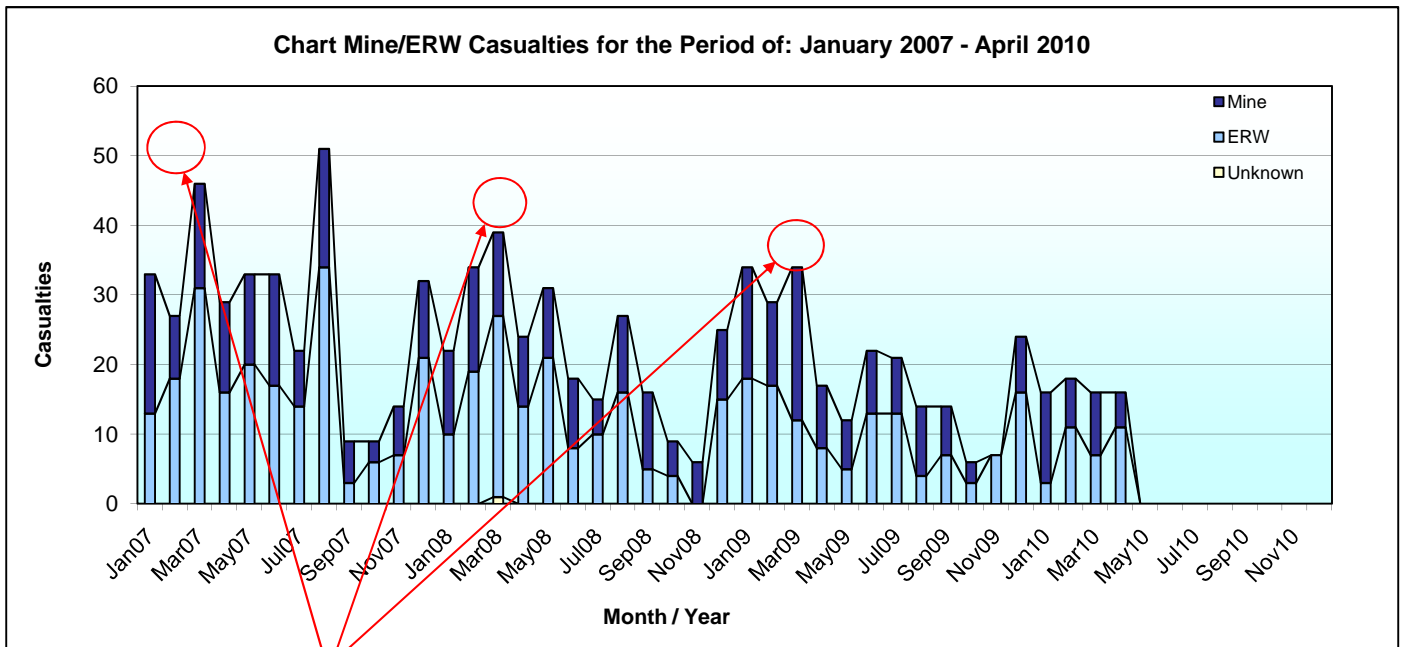
Further analysis and detailed Mine/ERW casualty/accident information are available on request, including the production of risk-maps and the provision of village level data. For customised reports more suited to your organisation's needs, contact CMVIS office: c.lim@cmaa.gov.kh

Casualty Trend

Report Mine/ERW Casualties for the Period of: January 2007 - April 2010

Year	Casualties by Month												Total
	Jan	Feb	Mar	April	May	Jun	July	Aug	Sept	Oct	Nov	Dec	
2007	35	30	46	32	33	34	22	51	9	9	16	35	352
<i>Running Total 2007</i>	35	65	111	143	176	210	232	283	292	301	317	352	
2008	26	34	39	24	31	18	16	27	16	9	6	25	271
<i>Running Total 2008</i>	26	60	99	123	154	172	188	215	231	240	246	271	
% change 2007 to 2008	-25.7	-7.7	-10.8	-14.0	-12.5	-18.1	-19.0	-24.0	-20.9	-20.3	-22.4	-23.0	
2009	34	31	35	17	12	22	21	14	14	7	10	27	244
monthly change +/- from 2008	8	-3	-4	-7	-19	4	5	-13	-2	-2	4	2	
monthly change % from 2008	31	-9	-10	-29	-61	22	31	-48	-13	-22	67	8	
<i>Running Total 2009</i>	34	65	100	117	129	151	172	186	200	207	217	244	
% change 2008 to 2009	30.8	8.3	1.0	-4.9	-16.2	-12.2	-8.5	-13.5	-13.4	-13.7	-11.8	-10.0	
2010	16	23	16	17									72
monthly change +/- from 2009	-18	-8	-19	0									
monthly change % from 2009	-53	-26	-54	0									
<i>Running Total 2010</i>	16	39	55	72									
% change 2009 to 2010	-52.9	-40	-45	-38.5									

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

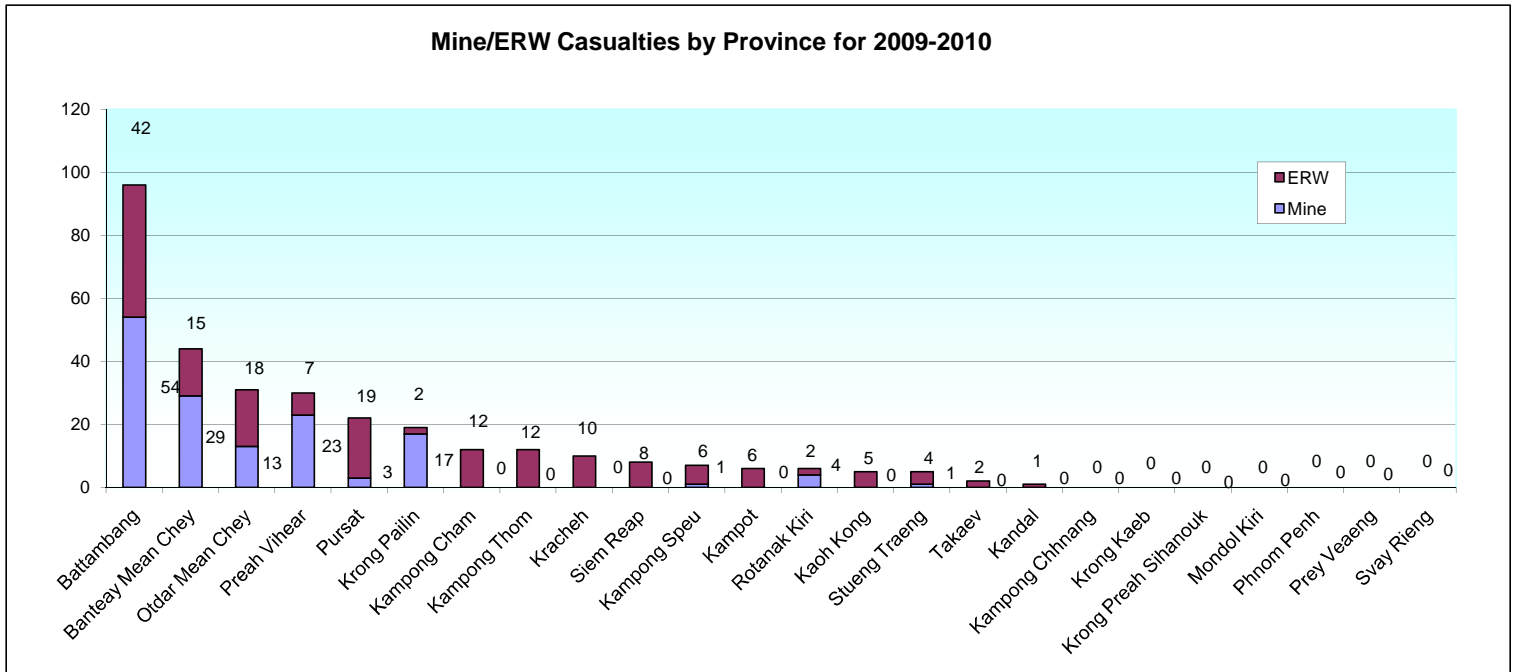


March/April Annual picks due to increased activities related to Cutting, Tree Leave picking up, Scrap Metal Collection and Farm Land Preparation during dry season.

Monthly Mine/ERW Accident Casualties: Jan2009 - Apr2010

Provinces ranked by Total Mine/ERW Casualties for 2009 - 2010

Province	Jan-09	Feb-09	Mar-09	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Total 2009	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Total 2010	Total 2009-2010	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	18	7	16	4	2	1	10	5	5	0	4	6	78	3	10	2	3	0	0	0	0	0	0	0	0	18	96	96	30.4	30	
Banteay Mean Chey	3	7	2	5	1	7	0	2	2	0	0	1	30	7	3	3	1	0	0	0	0	0	0	0	0	14	44	140	13.9	44	
Otdar Mean Chey	1	1	3	2	0	2	1	3	0	0	0	15	28	1	1	1	0	0	0	0	0	0	0	0	0	3	31	171	9.8	54	
Preah Vihear	1	0	0	3	4	4	1	2	2	0	1	4	22	5	0	0	3	0	0	0	0	0	0	0	0	8	30	201	9.5	64	
Pursat	2	6	0	0	2	0	0	1	2	1	2	1	17	0	3	0	2	0	0	0	0	0	0	0	0	5	22	223	7	71	
Krong Pailin	0	6	7	0	1	1	0	1	0	2	0	0	18	0	0	0	1	0	0	0	0	0	0	0	0	1	19	242	6	77	
Kampong Cham	2	1	0	0	1	0	6	0	0	0	0	0	10	0	1	0	1	0	0	0	0	0	0	0	0	2	12	254	3.8	80	
Kampong Thom	4	0	0	0	0	0	0	0	0	0	1	0	5	0	0	2	5	0	0	0	0	0	0	0	0	7	12	266	3.8	84	
Kracheh	1	1	1	0	0	6	0	0	0	0	0	0	9	0	1	0	0	0	0	0	0	0	0	0	0	1	10	276	3.2	87	
Siem Reap	0	1	6	0	0	0	0	0	0	0	0	0	7	0	0	1	0	0	0	0	0	0	0	0	0	1	8	284	2.5	90	
Kampong Speu	0	1	0	3	0	0	0	0	3	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	7	291	2.2	92	
Kampot	0	0	0	0	0	0	0	0	0	4	2	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	6	297	1.9	94	
Rotanak Kiri	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	4	1	0	0	0	0	0	0	0	0	5	6	303	1.9	96	
Stueng Traeng	1	0	0	0	0	1	2	0	0	0	0	0	4	0	0	1	0	0	0	0	0	0	0	0	0	1	5	308	1.6	97	
Kaoh Kong	1	0	0	0	0	0	0	0	0	0	0	0	1	0	4	0	0	0	0	0	0	0	0	0	0	4	5	313	1.6	99	
Takaev	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2	2	315	0.6	100	
Kandal	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	316	0.3	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	316	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	0	316	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	0	316	0	100
Krong 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	316	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	0	316	0	100
Krong 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	316	0	100
Mondol 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	0	316	0	100
TOTAL	34	31	35	17	12	22	21	14	14	7	10	27	244	16	23	16	17	0	0	0	0	0	0	0	0	72	316				



5 Most Affected Provinces for Mine / ERW Casualties

Ranked by Total Casualties

Jan2009 - Apr2010

Rank	Province	Mine Casualties	ERW Casualties	Total Casualties	Cumulative Total
1	Battambang	54	42	96	96
2	Banteay Mean Chey	29	15	44	140
3	Otdar Mean Chey	13	18	31	171
4	Preah Vihear	23	7	30	201
5	Pursat	3	19	22	223

10 Most Affected Districts for Mine / ERW Casualties

Ranked by Total Casualties

Jan2009 - Apr2010

Rank	District	Province	Mine Casualties	ERW Casualties	Total Casualties	Cumulative Total
1	Rotanak Mondol	Battambang	18	10	28	28
2	Choam Khsant	Preah Vihear	22	2	24	52
3	Samlout	Battambang	8	12	20	72
4	Thma Puok	Banteay Mean Chey	13	6	19	91
5	Banteay Ampil	Otdar Mean Chey	2	14	16	107
6	Pailin	Krong Pailin	10	2	12	119
7	Bavel	Battambang	8	3	11	130
8	Phnum Kravanh	Pursat	0	10	10	140
9	Prasat Balangk	Kampong Thom	0	10	10	150
10	Banan	Battambang	2	7	9	159

10 Most Affected Communes for Mine / ERW Casualties

Ranked by Total Casualties

Jan2009 - Apr2010

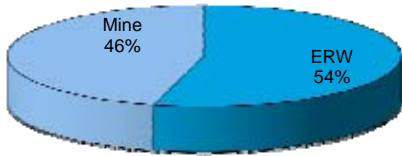
Rank	Commune	District	Province	Mine Casualties	ERW Casualties	Total Casualties	Cum. Total
1	Traeng	Rotanak Mondol	Battambang	13	3	16	16
2	Choam Ksant	Choam Khsant	Preah Vihear	13	0	13	29
3	Beng	Banteay Ampil	Otdar Mean Chey	0	12	12	41
4	Mean Cheay	Samlout	Battambang	6	3	9	50
5	Kantuot	Choam Khsant	Preah Vihear	8	0	8	58
6	Ba Yakha	Pailin	Krong Pailin	6	2	8	66
7	Banteay Chhmar	Thma Puok	Banteay Mean Chey	8	0	8	74
8	Kouk Romiet	Thma Puok	Banteay Mean Chey	5	3	8	82
9	Samlout	Samlout	Battambang	0	7	7	89
10	Snuol	Snuol	Kracheh	0	6	6	95

OVERVIEW OF MINE/ERW ACCIDENTS

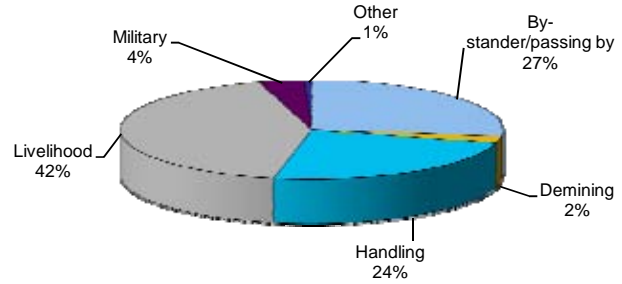
Jan2009 - Apr2010

Total Number of Casualties during Reporting Period: 316

Mine/ERW Distribution



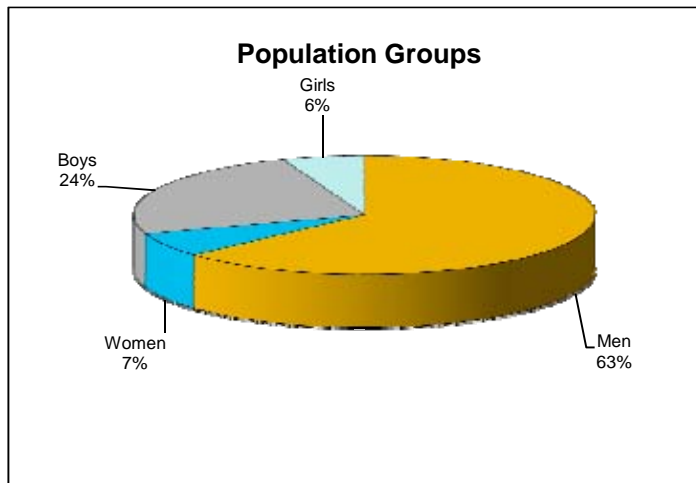
Cause of Casualty



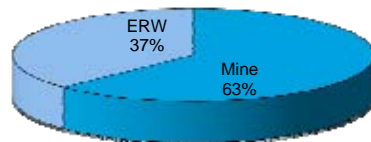
Casualty Types



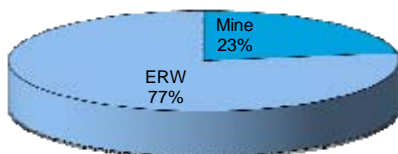
MINE/ERW ACCIDENT OVERVIEW



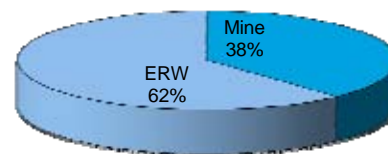
Men



Children



Women

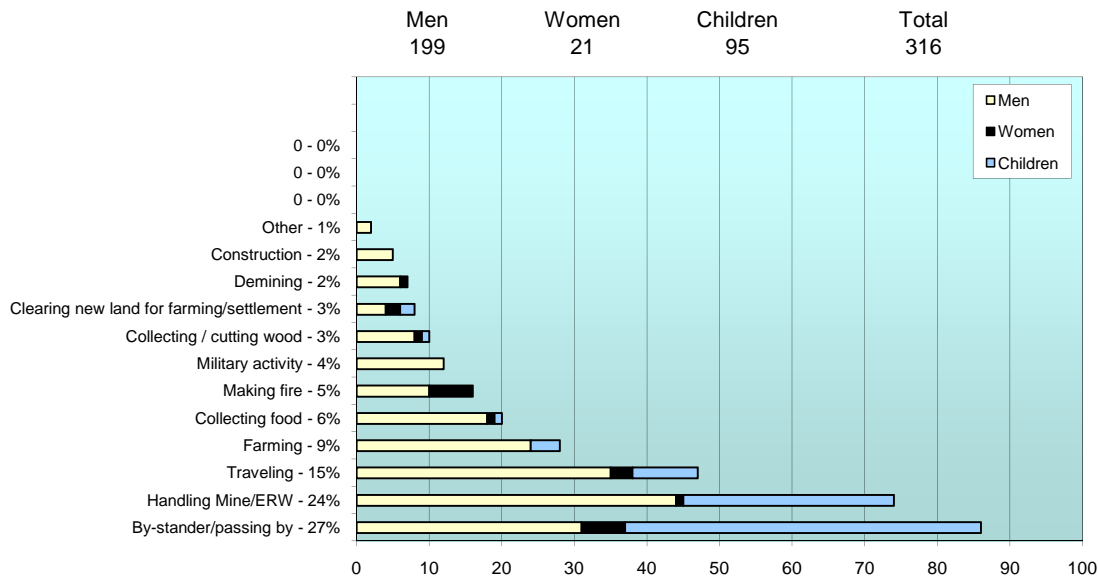




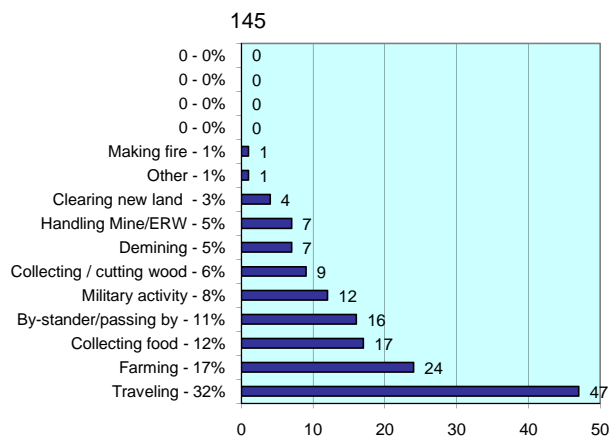
Jan2009 - Apr2010

Number of accidents during Reporting Period: **316**

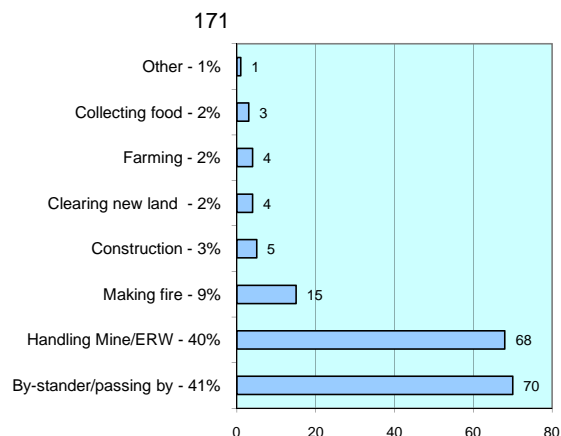
Cause of Accident by Total Population Group



Activities - Mines

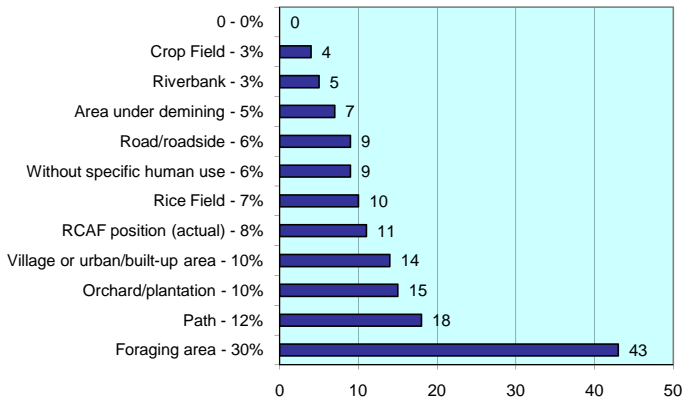


Activities - ERW

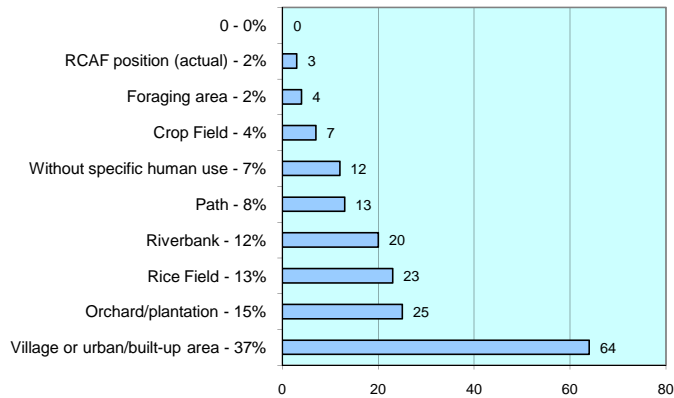


Mine/ERW Accidents by Terrain Type

Terrain - Mines



Terrain - ERW





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