

Cambodia

Road Traffic Accident and Victim Information System



Monthly Report January 2006



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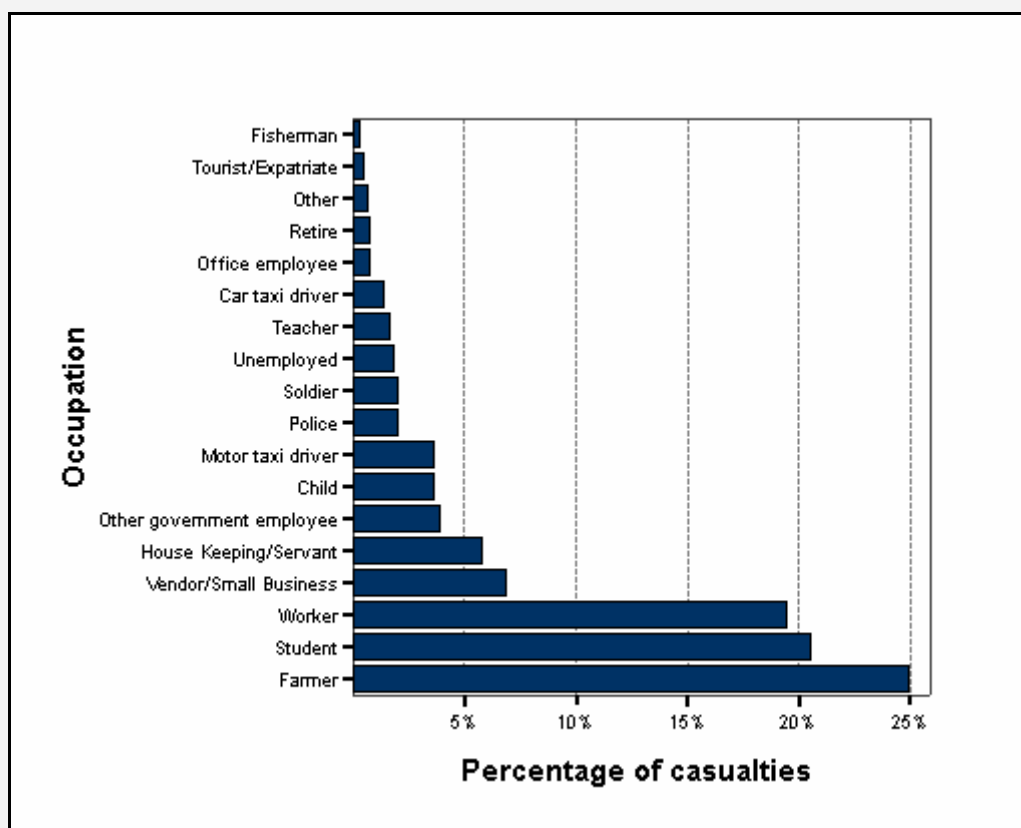
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III. Executive Summary

Key findings for the month of **January 2006** are:

- **2,157 casualties** were reported by the participating hospitals, private clinics and traffic police departments in the 24 reporting provinces¹. Among them, **553 were severely injured and 113 died**.
- **421 of those casualties were injured in Phnom Penh**, corresponding to a **1% increase compared to January 2005**.
- 26% of the casualties were injured in accidents where the driver of the vehicle causing the accident escaped after the accident.
- 48% of the drivers of four-wheeled vehicles had **no driving license**.
- 29% of four-wheeled vehicles were **right-hand drive**.
- **The active part of the population** remained the most affected by road traffic accidents:
 - 25% of casualties were farmers;
 - 21% of casualties were students;
 - 19% of casualties were workers.



¹ **Notice:** in some reporting provinces like Preah Vihear, data are sent late to the data collection office and can not be included in the monthly reports but will be included in the annual report 2005 that will be published in March 2006.

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IV. Evolution of Main Indicators

	Aug-05	Sep-05	Oct-05	Nov-05	Dec-05	Jan-06
Number of casualties reported to RTAVIS	1,508	1,730	1,762	1,887	2,017	2,157
Gender						
Percentage of males casualties	74%	74%	72%	74%	74%	72%
Age						
Percentage of casualties aged between 15 and 24 years old	36%	35%	37%	39%	36%	37%
Type of road user						
Percentage of motorbike riders	68%	70%	69%	70%	64%	73%
Percentage of pedestrians	10%	8%	7%	8%	8%	7%
Percentage of car riders (private and taxis)	7%	7%	7%	7%	8%	6%
Percentage of bicycle riders	5%	4%	6%	5%	6%	6%
Occupation						
Percentage of students	18%	20%	19%	19%	23%	20%
Percentage of farmers	18%	19%	17%	20%	21%	25%
Percentage of workers	25%	19%	20%	17%	18%	19%
Percentage of house keepers	NA	NA	8%	7%	4%	6%
Percentage of vendors/small businesses owners	NA	NA	7%	8%	7%	7%
Percentage of motorbike taxis	5%	6%	5%	5%	5%	4%
Residence of casualty						
Percentage of casualties residing in another province than the province of accident	18%	18%	19%	19%	18%	13%
Severity of injuries:						
Percentage of severely injured casualties (requiring surgical intervention of ICU)	23% (341 cases)	25% (423 cases)	26% (464 cases)	23% (425 cases)	22% (446 cases)	26% (553 cases)
Percentage of deaths	4% (59 cases)	5% (89 cases)	4% (67 cases)	4% (81 cases)	6% (124 cases)	6% (113 cases)
Nature of injuries:						
Percentage of casualties suffering from cranial trauma	42%	38%	45%	39%	39%	41%
Percentage of them being considered as severe (coma)	14%	15%	12%	15%	12%	12%
Percentage of casualties suffering from fracture	17%	18%	16%	17%	19%	19%
Percentage of casualties having wounds/cuts	54%	56%	50%	53%	44%	47%
Day of accident:						
Percentage of casualties injured during the weekend (from Friday 6 pm to Sunday midnight)	36%	35%	37%	30%	35%	40%
Time of accident:						
Percentage of casualties injured during nighttime (from 6 pm to 5.59 am)	36%	32%	28%	33%	30%	34%
Peak(s) of casualties	7pm - 8pm	7pm - 8pm	6pm - 7pm	2pm-4pm and 7pm-8pm	7pm- 8pm	8am- 9pm and 11am-12am
Cause of accident						
Percentage of casualties injured in accidents due to human error	96%	95%	93%	93%	94%	95%
High speed	39%	41%	41%	43%	46%	47%
Alcohol or drug abuse	19%	18%	18%	17%	18%	20%
Non respect of rights of way rules	11%	9%	11%	8%	8%	6%
Changing lane without due care	10%	9%	7%	9%	7%	8%
Dangerous overtaking	8%	10%	11%	10%	10%	8%
Driving against flow of traffic	3%	4%	2%	3%	2%	3%
Other	6%	4%	3%	3%	3%	3%
Percentage of casualties injured in accidents due to road conditions	8%	9%	8%	11%	11%	11%
Percentage of casualties injured in accidents due to weather conditions	4%	3%	4%	2%	1%	1%
Percentage of casualties injured in accidents due to vehicle defect	5%	4%	4%	8%	4%	2%
Type of collision:						
Percentage of casualties injured in motorbike-motorbike collisions	30%	29%	32%	31%	27%	31%
Percentage of casualties injured in motorbike-car collisions	17%	23%	23%	20%	21%	19%
Percentage of casualties injured in motorbike-pedestrian collisions	8%	8%	7%	8%	7%	6%
Percentage of motorbike casualties who fell alone	11%	11%	8%	9%	9%	12%
Average number of people injured per accident	2.97	2.43	2.24	2.79	2.57	2.61

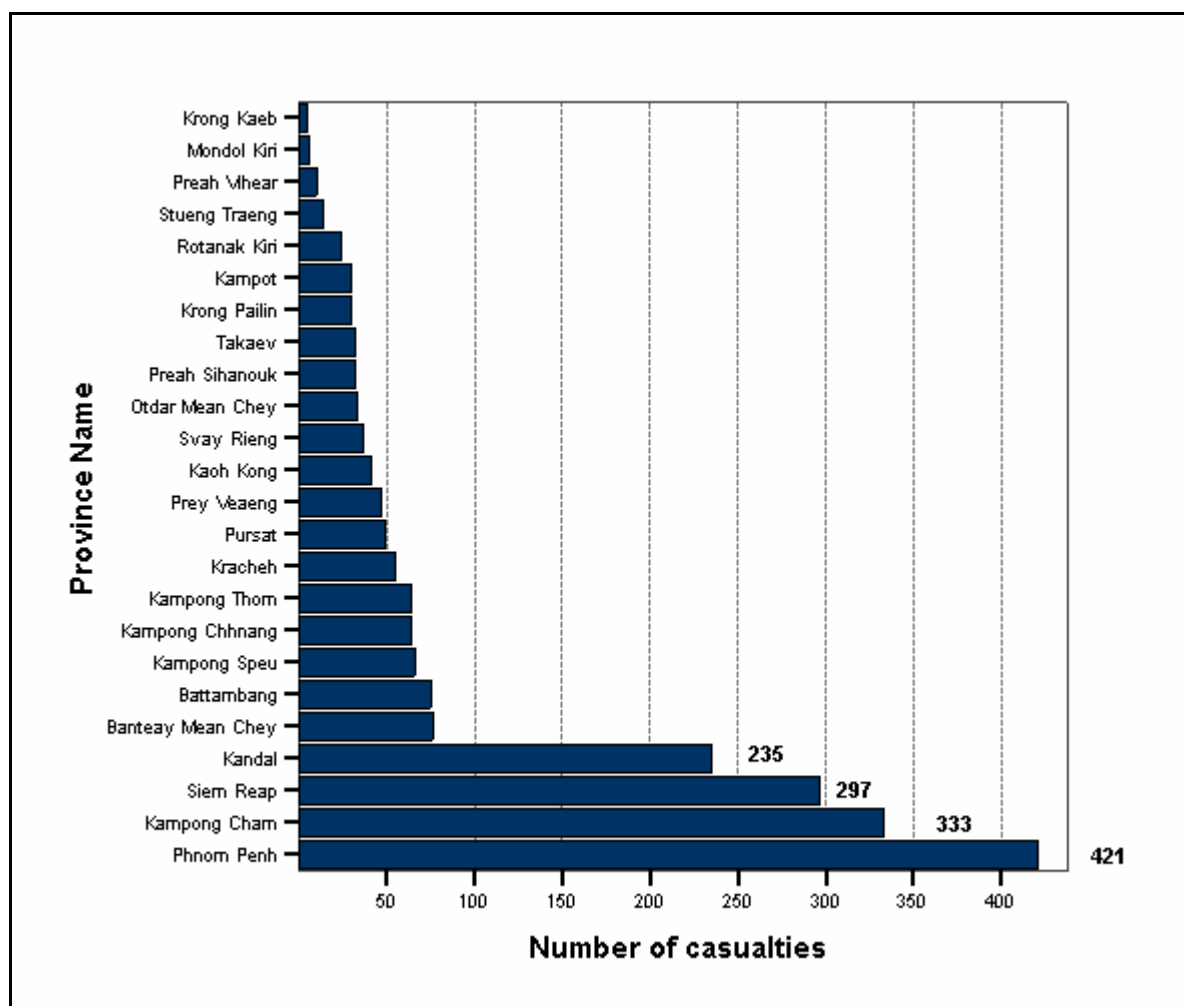


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	Aug-05	Sep-05	Oct-05	Nov-05	Dec-05	Jan-06
Hit and Run						
Percentage of casualties injured in accidents where the driver of the vehicle causing the accidents escaped after the accident	23%	20%	29%	22%	22%	26%
Estimation of average vehicle damage cost	219 US\$	191 US\$	135 US\$	138 US\$	164 US\$	163 US\$
Percentage of four-wheeled vehicles with						
Left-hand-drive	81%	59%	62%	71%	68%	71%
Right-hand-drive	19%	41%	38%	29%	32%	29%
Location of accident:						
Percentage of casualties injured in urban areas	48%	50%	47%	50%	45%	43%
Percentage of casualties injured in accidents occurring on national roads	53%	57%	58%	52%	57%	56%
Percentage of casualties injured in accidents occurring on provincial roads	8%	7%	8%	10%	8%	7%
Percentage of casualties injured in accidents occurring on paved roads	85%	82%	82%	79%	76%	71%
Characteristics of location:						
Percentage of casualties injured in accidents occurring on straight roads	79%	81%	82%	78%	77%	79%
Percentage of casualties injured in junctions (X, T, Y- junctions and roundabout)	11%	11%	9%	9%	10%	8%
Percentage of casualties injured in curves	8%	6%	6%	10%	11%	10%
Safety Measures:						
Percentage of car/truck/bus drivers having a driving licence	78%	59%	66%	68%	51%	42%
Percentage of motorbikes/bicycles' casualties wearing a helmet	3%	2%	3%	2%	2%	2%
Time to be transferred to hospitals:						
Percentage of casualties arriving at hospitals between 10 and 30 minutes after the accident	41%	41%	36%	39%	37%	31%
Percentage of casualties arriving at hospital more than 2 hours after the accident	26%	25%	25%	26%	27%	32%
Way to be transferred to hospitals:						
Percentage of casualties transported by ambulance	35%	33%	31%	31%	30%	29%
Percentage of casualties transported to the hospital by their family or relatives	48%	52%	53%	55%	58%	60%
Percentage of casualties arriving alone at the hospital	16%	15%	16%	14%	12%	11%
Estimation of average cost of treatment	84 US\$	104 US\$	97 US\$	88 US\$	92 US\$	105 US\$
Attendance of police:						
Percentage of cases where police was present on the accident site	61%	65%	65%	66%	72%	65%

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V. Data by province of accident



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VI. Data by source

Hospital data

	Aug-05	Sep-05	Oct-05	Nov-05	Dec-05	Jan-06
Total number of casualties reported at hospitals	979	1,033	1,067	1,227	1,169	1,414
Number of casualties reported at Phnom Penh hospitals:	487	528	574	567	513	596
Calmette	134	176	214	207	211	196
Kossamak	97	96	98	102	87	113
Bayon	54	64	69	87	66	121
Sihanouk	33	27	37	29	35	37
Dusit	30	48	40	43	44	53
National Pediatric	18	21	41	20	25	39
Vibol Sok	5	0	3	5	3	0
Surya Medical Center	4	1	3	2	0	0
Naga	0	0	1	1	1	2
Visal Sok	0	0	0	0	0	0
Chan Trea	112	95	68	71	41	35
Number of casualties reported at Kampong Cham hospitals:	223	225	248	260	217	298
Kampong Cham provincial hospital	72	74	98	110	64	131
Memot referral hospital	53	45	52	70	59	68
Tbong Kmum referral hospital	23	31	25	52	45	50
Ponhea Krek referral hospital	44	50	29	0	17	17
Prey Chhor referral hospital	11	14	18	17	15	17
Choeung Prey referral hospital	20	11	26	11	17	15
Number of casualties reported at Siem Reap hospitals:	194	186	163	218	197	235
Siem Reap provincial hospital	70	40	58	116	104	114
Chin Huo	36	13	36	17	7	2
Prai Norkor	25	35	16	17	31	29
Koma Angkor	0	0	0	0	0	0
Sokh Phiep	20	14	6	0	0	0
Chin Peekoang	2	4	6	10	7	7
Kralanh referral hospital	4	4	8	10	8	10
Puok health center	7	12	15	18	20	23
Naga	0	0	0	0	0	0
Sot Nikum referral hospital	30	64	18	30	20	50
Number of casualties reported at Otdar Mean Chey hospitals:	2	22	13	14	26	22
Otdar Mean Chey provincial hospital	2	22	13	14	26	22
Cabinet Blongthum	0	0	0	0	0	0
Number of casualties reported at Kampong Speu provincial hospital	39	26	29	23	36	33
Number of casualties reported at Kampong Trorlach provincial hospital	16	14	26	21	28	22
Number of casualties reported at Kandal hospital:	18	33	14	69	48	48
Chay Chomnah provincial hospital	4	16	2	29	24	31
Ta Khmau health center	11	10	12	13	11	17
Preak Anh Chanh health center	3	7	0	8	13	0
Turnup Thom health center	NA	NA	NA	6	0	0
Prek Pneu health center	NA	NA	NA	6	0	0
Koh Thom referral hospital	NA	NA	NA	7	0	0
Number of casualties reported at Kampong Thom hospitals:	NA	NA	NA	38	35	0
Kampong Thom provincial hospital	NA	NA	NA	15	18	0
Baray-Santuk referral hospital	NA	NA	NA	12	12	0
Stong health center	NA	NA	NA	11	5	0
Number of casualties reported at Battam Bang hospitals:	NA	NA	NA	17	24	135
Battambang provincial hospital	NA	NA	NA	3	0	0
Thmor Koul referral hospital	NA	NA	NA	10	10	0
Phnom SamPov health center	NA	NA	NA	2	1	0
Chrey health center	NA	NA	NA	2	0	0
Moung Russei referral	NA	NA	NA	NA	11	35
Emergency Center	NA	NA	NA	NA	2	100
Number of casualties reported at Pursat hospitals:	NA	NA	NA	NA	7	1
Sampov Meas provincial hospital	NA	NA	NA	NA	1	1
Bakan referral hospital	NA	NA	NA	NA	6	0
Number of casualties reported at Takeo hospitals:	NA	NA	NA	NA	38	0
Down Keo provincial hospital	NA	NA	NA	NA	38	0
Number of casualties reported at Banteay Mean Chey hospitals:	NA	NA	NA	NA	NA	24
Preah Netr Preah referral hospital	NA	NA	NA	NA	NA	10
Ou Chrov referral hospital	NA	NA	NA	NA	NA	4
Mongkol Borei referral hospital	NA	NA	NA	NA	NA	8
Srah Chik Health Center	NA	NA	NA	NA	NA	1
Ou Russei Health Center	NA	NA	NA	NA	NA	1
Number of hospital data sources	34	34	34	44	49	49

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Traffic police data²

	Aug-05	Sep-05	Oct-05	Nov-05	Dec-05	Jan-06
Total number of casualties reported by traffic police	531	721	695	660	848	743
Number of casualties reported in Phnom Penh	138	109	93	140	89	53
Chamkar Mon district	13	17	18	26	4	11
Dang Kao district	45	20	16	28	19	13
Doun Penh district	25	22	10	19	19	7
Mean Chey district	10	4	3	22	7	4
Pram Pir Makara district	8	0	4	8	7	1
Russei Keo district	24	36	35	29	22	14
Toul Kok district	13	6	7	8	11	1
Unknown	NA	4	0	0	0	2
Number of casualties reported in Kandal	72	114	110	88	96	75
Angk Snuol district	18	42	35	16	4	21
Kandal Stueng district	4	4	16	3	26	2
Kaoh Thum district	2	1	0	0	0	5
Kieng Svay district	4	17	10	18	27	19
Mukh Kampul district	12	12	13	18	21	13
Ponhea Leu district	1	0	0	0	0	0
Sang district	9	28	23	25	18	15
Ta Khmau district	22	10	13	8	0	0
Number of casualties reported in Kampong Cham	18	12	8	26	22	26
Batheay district	0	2	0	12	11	6
Memot district	4	5	1	6	8	8
Ponhea Krek district	0	2	2	4	0	5
Prey Chhor district	1	1	0	0	0	0
Stueng Trang district	11	0	0	2	0	0
Tboung Khmum district	2	0	5	1	0	6
Cheung Prey district	NA	2	0	0	0	0
Chamkar Leu district	NA	NA	NA	1	3	0
Kang Meas district	NA	NA	NA	NA	NA	1
Number of casualties reported in Kampong Chhnang	20	43	56	14	51	35
Baribour district	2	0	9	0	46	3
Kampong Chhnang district	3	14	8	6	0	8
Kampong Leaeng district	2	2	1	0	1	0
Kampong Trorlach district	4	7	8	2	4	0
Rolea B'ier district	9	15	26	6	0	24
Sameakki Mean Chey district	0	5	3	0	0	0
Tuek Phos	0	0	1	0	0	0
Number of casualties reported in Kampong Speu	19	37	29	27	20	15
Chbar Mon district	7	7	19	19	0	4
Phnum Sruoch district	4	18	5	7	5	10
Samraong Tong district	8	10	5	1	15	1
Aoral district	0	2	0	0	0	0
Number of casualties reported in Kampot	27	0	0	63	44	29
Angkor Chey district	5	0	0	17	42	6
Banteay Meas district	5	0	0	4	0	0
Chhouk district	0	0	0	5	0	0
Dang Tong district	10	0	0	1	0	1
Kampong Bay district	5	0	0	30	2	8
Kampot district	0	0	0	6	0	12
Unknown	2	0	0	0	0	0
Kampong Trach	0	0	0	0	0	2
Number of casualties reported in Kracheh	8	30	28	14	57	44
Chhloung district	0	8	2	1	7	13
Kracheh district	8	11	20	11	29	22
Sambour district	0	0	6	0	2	0
Snuol district	0	11	0	0	17	9
Preaek Prasab	NA	NA	NA	2	2	0
Number of casualties reported in Mondol Kiri	10	0	0	7	22	6
Kaev Seima district	0	0	0	0	0	0
Ou Reang district	2	0	0	0	0	0
Saen Monorom district	8	0	0	7	22	6
Number of casualties reported in Pursat	26	62	35	22	40	42
Bakan district	5	36	6	0	2	9
Krakor district	6	8	27	11	24	24
Phmun Kravanh district	10	2	2	3	10	0
Sampov Meas district	5	16	0	4	4	7
Kandieng district	NA	NA	NA	4	0	2
Number of casualties reported in Siem Reap	39	38	29	0	57	66
Siem Reap district	36	12	8	0	13	33
Chi Kraeng district	0	11	15	0	12	17
Kralanh district	3	4	0	0	12	5
Prasat Bakong district	NA	1	6	0	0	0
Puok district	NA	10	0	0	20	11

² The number of casualties reported in this table concerns the casualties reported by the traffic police only. If a casualty is reported by one hospital as well as by the traffic police, it will be taken into account only once and reported as a hospital data.



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Number of casualties reported in Svay Rieng	33	34	65	31	44	32
Chan Trea district	0	1	2	7	8	1
Kampong Rou district	0	4	7	4	0	4
Svay Chrum district	11	11	22	5	12	14
Svay Rieng district	14	5	4	11	10	8
Svay Teab district	8	13	24	4	14	3
Romeas Haek district	NA	NA	6	0	0	2
Number of casualties reported in Kampong Thom	59	31	36	36	42	53
Baray district	11	1	7	7	10	8
Kampong Svay district	6	0	5	10	7	15
Prasat Balangk district	1	2	0	0	0	
Santuk district	10	6	4	10	13	13
Stoung district	2	17	16	6	5	15
Stueng Saen district	29	5	4	3	7	2
Number of casualties reported in Preah Vihear	11	26	23	0	12	10
Choam Khsant district	0	6	5	0	10	0
Rovieng district	2	3	6	0	0	0
Tbaeng Mean Chey district	9	11	12	0	2	10
Kulaen district	0	6	0	0	0	0
Number of casualties reported in Sihanouk Ville	25	29	14	22	27	25
Mitta Pheap district	12	23	12	15	12	16
Prey Nob district	13	6	2	7	15	9
Number of casualties reported in Takeo	23	8	54	0	15	15
Bati district	4	0	10	0	0	0
Doun Keo district	11	3	28	0	3	2
Kiri Vong district	6	2	4	0	0	5
Treang district	2	3	1	0	0	7
Tram Kak district	NA	NA	11	0	2	0
Somraong Tong district	NA	NA	NA	NA	10	1
Number of casualties reported in Krong Kaeb	3	6	15	0	13	5
Damnak Changaur	3	2	1	0	4	0
Kaeb	0	4	14	0	9	5
Number of casualties reported in Banteay Mean Chey	NA	53	52	92	71	41
Malai district	NA	4	0	4	0	0
Mongkol Borei district	NA	22	5	32	2	12
Ou Chrov district	NA	5	4	0	16	1
Preah Netr Preah district	NA	5	9	19	3	8
Serei Saophoan district	NA	17	32	27	37	15
Phnom Srok district	NA	NA	2	0	2	1
Svay Chek district	NA	NA	NA	10	11	4
Number of casualties reported in Kaoh Kong	NA	13	15	13	17	36
Koh Kong district	NA	1	0	2	1	0
Mondol Seima district	NA	4	1	0	0	5
Smach Mean Chey district	NA	6	14	8	8	15
Botum Sakor district	NA	2	0	0	0	0
Srae Ambel district	NA	NA	NA	1	7	7
Kampong Seila district	NA	NA	NA	2	1	9
Number of casualties reported in Ratanak Kiri	NA	9	0	0	13	22
Angdoug Meas district	NA	9	0	0	0	0
Ban Lung district	NA	NA	NA	NA	13	10
Koun Mom district	NA	NA	NA	NA	NA	2
Ou Chum district	NA	NA	NA	NA	NA	10
Number of casualties reported in Krong Pailin	NA	22	0	33	19	28
Pailin district	NA	22	0	29	14	18
Sala Krau district	NA	NA	NA	4	3	7
Unknown	NA	NA	NA	NA	2	3
Number of casualties reported in Prey Veng	NA	26	33	32	20	37
Kampong Leav district	NA	3	11	5	0	4
Kampong Trabaek district	NA	5	7	0	0	6
Kanhchriech district	NA	5	4	0	5	5
Peam Ro district	NA	0	7	11	1	5
Preah Sdach district	NA	13	2	12	6	8
Prey Veang district	NA	2	2	0	2	5
Me sang district	NA	1	0	0	4	0
Ba Phnom district	NA	NA	NA	4	0	0
Pea Reang district	NA	NA	NA	NA	NA	4
Kamchay Mear district	NA	NA	NA	NA	2	NA
Number of casualties reported in Battam Bang	NA	19	0	0	46	35
Banan district	NA	5	0	0	10	4
Battam Bang district	NA	6	0	0	18	8
Bavel district	NA	2	0	0	0	0
Moung Ruessei district	NA	1	0	0	4	9
Thmor Koul district	NA	NA	NA	NA	2	10
Sangkae district	NA	5	0	0	12	4
Number of casualties reported in Stueng Traeng	NA	NA	NA	NA	11	13
Kampong Leav district	NA	3	11	5	11	13



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Contacts

Further analysis and **additional information** is available on request. Please do not hesitate to contact one of the following persons

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