









Cambodia
Road Traffic Accident and
Victim Information System



## Monthly Report August 2006



Developed with the support of:

**French Cooperation** 



**Belgian Cooperation** 



**World Health Organization** 



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#### I. Introduction

The **objective** of the Road Traffic Accident and Victim Information System (RTAVIS) is to provide government and development stakeholders in Cambodia with accurate, continuous and comprehensive information on **road traffic accidents and victims**.

It should allow them to better understand the current road safety situation, plan appropriate responses and evaluate impact of current and future initiatives.

The system is being developed by the Ministry of Public Works and Transport, the Ministry of Interior and the Ministry of Health, with the support of Handicap International.

In Siem Reap, Otdar Mean Chey and Kampong Cham provinces, the system is also supported by the Belgian Technical Cooperation.

The system is run based on data collection forms filled in by trained staff at major hospitals, private clinics and traffic police.

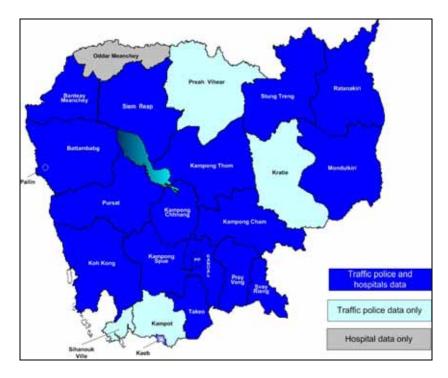
RTAVIS reports are **distributed monthly**. RTAVIS reports can also be found on the following website: www.cnctp.info

#### Notice:

This monthly report is a snapshot of the situation at a particular time of the year. More analysis is provided in the annual report. The annual report 2005 has been released in June. Annual report 2006 will be released in April 2007.

#### II. System Coverage

RTAVIS covers the whole country, with health facility and traffic police data, as illustrated on the map here below:





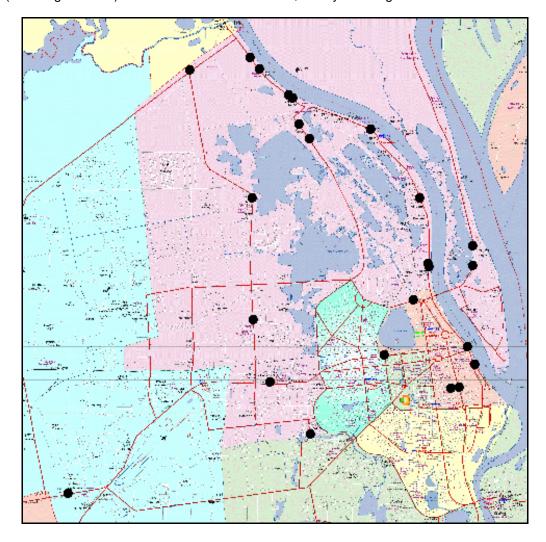
### III. System Update

#### Introduction of GPS

From July 2006, Geographic Position System (GPS) devices have been introduced to the traffic police in Russei Keo District in Phnom Penh. The GPS coordinates allow us now to exactly locate accidents, using GIS data. GPS devices will from now be progressively introduced to other districts of Phnom Penh and provinces crossed by major national roads.

On the medium term, this will enable RTAVIS to identify blackspots of the Cambodian Road System.

The following chart shows the locations of road traffic accidents in Russei Keo district, as well as serious accidents (involving fatalities) in all districts of Phnom Penh, in July and August.

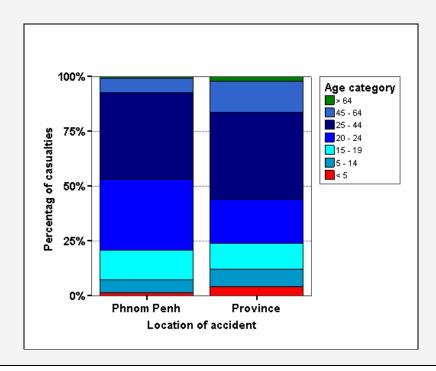




#### IV. Executive Summary

Key findings for the month of August 2006 are the following:

- A provisional number of **1,356 casualties** were reported by the participating hospitals, health centres, private clinics and traffic police departments in the 24 reporting provinces. Among them, 232 were severely injured and 78 died. The decrease of casualties, compared to the previous months, is partly due to the fact that in some reporting provinces, data are sent late by hospitals and traffic police offices to the data collection office and can therefore not be included in the monthly reports but will be included in the annual report.
- In Phnom Penh, 388 casualties were reported, corresponding to a 20% decrease compared to August 2005 and a **9% increase** compared to the previous month.
- The proportion of casualties due to dangerous overtaking (19%) has almost doubled, compared to the average of the first 6 months of 2006 (10%).
- 46% of casualties suffered from head injuries.
- 26% of casualties were workers, corresponding to a 24% increase compared to the previous month, due to many serious accidents involving trucks transporting garment factory workers.
- Estimation of the average hospital treatment cost per casualty: 100 US\$1
- Estimation of the average vehicle damage cost per vehicle:: 182 US\$<sup>2</sup>
- The proportion of young people casualties (age 20-24) is much more important in Phnom Penh than in the rest of the country (32% compared to 20%), while the proportion of people above 45 years old is higher in provinces than in Phnom Penh (16% compared to 7%).



This figure is based on hospital data only and for a limited number of casualties (341) only. Hospitals are indeed not always able to estimate the full treatment cost in advance. <sup>2</sup> This first the full treatment cost in advance.



Page 4

This figure is based on traffic police data only.

## V. Evolution of Main Indicators

	Mar-06	Apr-06	May-06	Jun-06	Jul-06	Aug-06
Number of casualties reported to RTAVIS	2,236	2,534	1,767	1,530	1,474	1,356
Gender	,	,	, -	,	,	,
Percentage of males casualties	72%	72%	71%	73%	73%	72%
Age						
Percentage of casualties aged between 15 and 24 years	36%	42%	36%	35%	34%	36%
old	3076	42 /0	30 /0	3370	3470	30 /8
Type of road user						
Percentage of motorbike riders	70%	75%	70%	73%	75%	71%
Percentage of pedestrians	8%	7%	5%	6%	10%	9%
Percentage of car riders (private and taxis)	6%	5%	6%	7%	2%	7%
Percentage of bicycle riders	6%	4%	6%	5%	5%	5%
Occupation Percentage of students	21%	23%	21%	21%	22%	21%
Percentage of farmers	23%	28%	21%	21%	22%	19%
Percentage of workers	21%	19%	23%	22%	21%	26%
Percentage of house keepers	7%	6%	8%	6%	6%	5%
Percentage of vendors/small businesses owners	7%	7%	8%	6%	8%	7%
Percentage of motorbike taxis	4%	4%	3%	5%	7%	3%
Residence of casualty	1 /0	. 70		0 70	. 70	<b>0</b> /0
Percentage of casualties residing in another province	4=07	4.00	1637	1627	4.00	4507
than the province of accident	17%	14%	19%	18%	14%	15%
Severity of injuries:						
Percentage of severely injured casualties (requiring	25%	25%	25%	26%	17%	17%
chirurgical intervention of ICU)	(550 cases)	(630 cases)	(434 cases)	(398 cases)	(256 cases)	(232 cases)
, ,	,		,	,		-
Percentage of deaths	6%	7%	5%	6%	5%	6%
	(139 cases)	(166 cases)	(90 cases)	(87 cases)	(79 cases)	(78 cases)
Nature of injuries:	200/	440/	000/	100/	4007	400/
Percentage of casualties suffering from cranial trauma	38%	41%	38%	43%	40%	46%
Percentage of them being considered as severe (coma)	13%	16%	13%	10%	9%	14%
Percentage of casualties suffering from fracture	20%	17%	18%	18%	18%	18%
Percentage of casualties having wounds/cuts	49%	49%	47%	47%	51%	51%
Day of accident:	45/0	45 /0	47 /0	47 /0	J176	J1 /6
Percentage of casualties injured during the weekend						
(from Friday 6 pm to Sunday midnight)	33%	45%	30%	31%	36%	29%
, , , , , , , , , , , , , , , , , , , ,						
Time of accident:  Percentage of casualties injured during nighttime (from 6						
pm to 5.59 am)	35%	29%	32%	31%	32%	30%
Peak(s) of casualties	F 0	4 7	0	7	O	7 0
, ,	5pm-6pm	4pm-7pm	6pm-7pm	7pm-8pm	5pm-6pm	7pm-8pm
Cause of accident						
Percentage of casualties injured in accidents due to	94%	95%	95%	93%	94%	94%
human error						
High speed	46%	48%	40%	42%	39%	37%
Alcohol abuse	21%	17%	17%	15%	18%	18%
Drug abuse				0%	0%	0%
Non respect of rights of way rules  Changing lane without due care	8% 7%	9% 6%	5% 5%	5% 5%	6% 7%	6% 7%
Dangerous overtaking	5%	8%	16%	16%	16%	19%
Driving against flow of traffic	2%	3%	2%	4%	3%	2%
Other	5%	4%	10%	6%	5%	5%
Percentage of casualties injured in accidents due to road						
conditions	9%	8%	8%	7%	7%	10%
Percentage of casualties injured in accidents due to						
weather conditions	1%	0%	3%	4%	4%	4%
Percentage of casualties injured in accidents due to	201	201	407	=0.4	407	<b>5</b> 0/
vehicle defect	3%	3%	4%	5%	4%	5%
Type of accident:						
Percentage of casualties injured in motorbike-motorbike	070/	260/	220/	2.40/	270/	350/
collisions	27%	36%	33%	34%	37%	35%
Percentage of casualties injured in motorbike-4 wheeler	16%	20%	18%	22%	21%	20%
collisions	10 /0	20 /0	10 /0	ZZ /0	Z 1 /0	2070
Percentage of casualties injured in motorbike-pedestrian	7%	7%	6%	7%	8%	7%
collisions						
Percentage of motorbike casualties who fell alone	14%	10%	11%	8%	10%	8%



	Mar-06	Apr-06	May-06	Jun-06	Jul-06	Aug-06
Average number of people injured per accident	3	2.18	3.68	2.33	2.16	2.66
Hit and Run						
Percentage of casualties injured in accidents where the						
driver of the vehicle causing the accidents escaped after	24%	17%	24%	24%	24%	32%
the accident						
Estimation of average vehicle damage cost	170 US\$	109 US\$	155 US\$	169 US\$	141 US\$	182 US\$
Percentage of four-wheeled vehicles with						
Left-hand-drive	64%	57%	71%	66%	65%	56%
Right-hand-drive	36%	43%	29%	34%	35%	44%
Location of accident:						
Percentage of casualties injured in urban areas	44%	43%	46%	46%	51%	45%
Percentage of casualties injured in accidents occurring	F70/	500/	E 40/	F70/	500/	F70/
on national roads	57%	56%	54%	57%	56%	57%
Percentage of casualties injured in accidents occuring	00/	00/	00/	00/	00/	00/
on provincial roads	6%	9%	9%	9%	6%	9%
Percentage of casualties injured in accidents occurring						
on paved roads	72%	72%	77%	82%	79%	82%
Characteristics of location:						
Percentage of casualties injured in accidents occuring						
on straight roads	82%	83%	77%	79%	80%	82%
Percentage of casualties injured in junctions (X, T, Y-						
junctions and roundabout)	7%	7%	9%	10%	10%	8%
Percentage of casualties injured in curves	9%	7%	12%	8%	8%	7%
Safety Measures:	0,0	.,,,	1270	0,0	0,0	170
Percentage of car/truck/bus drivers having a driving						
licence	47%	56%	71%	44%	75%	64%
Percentage of motorbikes/bicycles' casualties wearing a						
helmet	4%	3%	3%	3%	3%	4%
Time to be transferred to hospitals:						
Percentage of casualties arriving at hospitals between	33%	28%	27%	24%	31%	220/
10 and 30 minutes after the accident	33%	20%	21%	24%	31%	32%
Percentage of casualties arriving at hospital more than 2	30%	35%	33%	36%	33%	34%
hours after the accident	30%	35%	33%	30%	33%	34%
Way to be transferred to hospitals:						
Percentage of casualties transported by ambulance	28%	27%	32%	24%	30%	29%
Percentage of casualties transported to the hospital by	59%	59%	54%	61%	51%	54%
their family or relatives						
Percentage of casualties arriving alone at the hospital	13%	14%	14%	15%	19%	17%
Estimation of average cost of treatment	110 US\$	107 US\$	97 US\$	79 US\$	113 US\$	100 US\$
Attendance of police:						
Percentage of cases were police was present on the	62%	68%	66%	68%	62%	60%
accident site	02/0	0070	0070	0070	02/0	00 /0



## VI. Data by source

Hospital data

	Mar-06	Apr-06	May-06	Jun-06	Jul-06	Aug-06
Total number of casualties reported at hospitals  Number of casualties reported at Phnom Penh hospitals:	1,534	1,464	1,105	906	928	867
rumber of casaaliles reported at 1 million 1 emirrosphals.	610	625	578	496	479	512
Calmette	199	223	157	149	144	151
Kossamak Bayon	109 91	113 78	86 93	85 103	93 84	101 83
Sihanouk	25	50	30	29	23	29
Dusit	69	58	76	41	48	80
National Pediatric	27	19	40	37	28	20
Vibol Sok	16	7	5	1	2	2
Naga	1 73	3 74	2	2 49	0	10
Chan Trea Kunthabopha I	NA	NA	89 NA	NA	24 33	0 36
Number of casualties reported at Kampong Cham						
hospitals:	319	417	286	232	206	232
Kampong Cham provincial hospital	99	152	112	99	108	111
Memot referral hospital Tboung Kmum referral hospital	87 41	63 62	49 56	46 41	36 33	33 40
Ponhea Krek referral hospital	34	75	41	16	8	13
Prey Chhor referral hospital	24	20	6	7	NYA	6
Cheung Prey referral hospital	34	45	22	23	21	29
Ph'av health center	NYA	NYA	NYA	NYA	NYA	NYA
Ampil Tapok health center	NYA	NYA	NYA	NYA	NYA	NYA
Chamkar Leu referral hospital	NYA	NYA	NYA	NYA	NYA	NYA
Doun Thi health center  Lovea health center	NYA NYA	NYA NYA	NYA NYA	NYA NYA	NYA NYA	NYA NYA
O Reang Ouv referral hospital	NYA NYA	NYA	NYA NYA	NYA NYA	NYA NYA	NYA
Sdeung Chey health center	NYA	NYA	NYA	NYA	NYA	NYA
Veal Vong health center	NYA	NYA	NYA	NYA	NYA	NYA
Number of casualties reported at Siem Reap hospitals:	261	202	77	NYA	45	NYA
Siem Reap provincial hospital	124	119	70	NYA	38	NYA
Chin Huo	18	0	0	NYA	0	NYA
Prai Norkor Koma Angkor	0	0	0	NYA NYA	0	NYA NYA
Sokh Phiep	0	16	0	NYA	0	NYA
Chin Peekoang	17	13	0	NYA	0	NYA
Kralanh referral hospital	10	13	4	NYA	0	NYA
Puok health center	8	4	3	NYA	5	NYA
Naga	0	0	0	NYA	0	NYA
Sot Nikum referral hospital Angkor Chum	84 0	37	NYA	NYA	0	NYA
Number of casualties reported at Otdar Mean Chey	-	0	0	NYA		NYA
hospitals:	26	19	NYA	3	16	NYA
Otdar Mean Chey provincial hospital	26	19	NYA	3	9	NYA
Beng health center	NA	NA	NA	NA	1	NYA
Anlong Veng health center  Number of casualties reported at Kampong Speu	NA	NA	NA	NA	6	NYA
provincial hospital	45	51	32	37	38	41
Number of casualties reported at Kampong Chhnang	0.4	00	04	00		00
hospitals:	34	23	31	29	29	26
Kampong Trorlach referral hospital	30	14	20	18	15	14
Kampong Chhnang referral hospital Taing Krasaing health center	4	9	11	11	14	12
Pon Ley health center	0	0	0	0	0	0
Number of casualties reported at Kandal hospital:	85	31	30	16	53	42
Chey Chomnah provincial hospital	19	15	20	10	11	13
Ta Khmau health center	25	16	10	6	16	20
Anlong Romiet health center	3	NYA	NYA	NYA	5	9
Preak Anh Chanh health center	3	NYA	NYA	NYA	0	NYA
Tumnup Thom health center Phnom Bat health center	0	NYA NYA	NYA NYA	NYA NYA	0	NYA NYA
Prinom Bat health center  Prek Pneou health center	0	NYA	NYA	NYA	0	NYA
Koh Thom referral hospital	0	NYA	NYA	NYA	3	NYA
Damnak Ampil health center	1	NYA	NYA	NYA	0	NYA
Boeng Kiang health center	14	NYA	NYA	NYA	7	NYA
Chheu Teal health center	3	NYA	NYA	NYA	0	NYA
Ksach Kandal referral hospital	4	NYA	NYA	NYA	6	NYA
Siem Reap health center  Dey Eth health center	0 12	NYA NYA	NYA NVA	NYA NYA	5 0	NYA NYA
Kampong Phnom health center	12	NYA	NYA NYA	NYA	0	NYA NYA
Rampong i finom health tellter		INIA	INIA	INIA	U	INIA



	Mar-06	Apr-06	May-06	Jun-06	Jul-06	Aug-06
Number of casualties reported at Kampong Thom	NYA	NYA	NYA	NYA	NYA	NYA
hospitals:						
Kampong Thom provincial hospital	NYA	NYA	NYA	NYA	NYA	NYA
Baray-Santuk referral hospital	NYA	NYA	NYA	NYA	NYA	NYA
Stoung health center	NYA	NYA	NYA	NYA	NYA	NYA
Number of casualties reported at Battambang hospitals:	131	96	71	42	51	14
Battambang provincial hospital	0	NYA	NYA	NYA	NYA	NYA
Thmor Koul referral hospital	14	NYA	NYA	NYA	NYA	NYA
Phnom SamPov health center	0	NYA	NYA	NYA	NYA	NYA
Chrey health center	0	NYA	NYA	NYA	NYA	NYA
Moung Russei referral	0	NYA	NYA	NYA	NYA	NYA
Emergency Center	117	96	71	42	51	14
Bavel 1 health center	0	NYA	NYA	NYA	NYA	NYA
Number of casualties reported at Pursat hospitals:	NYA	NYA	NYA	NYA	NYA	NYA
Sampov Meas provincial hospital	NYA	NYA	NYA	NYA	NYA	NYA
Bakan referral hospital	NYA	NYA	NYA	NYA	NYA	NYA
Number of casualties reported at Takeo hospitals:	NYA	NYA	NYA	51	NYA	NYA
Doun Keo provincial hospital	NYA	NYA	NYA	50	NYA	NYA
Physical Rehabilitation Center Takeo	NA	NA	NA	1	NYA	NYA
Number of casualties reported at Banteay Mean Chey hospitals:	23	NYA	NYA	NYA	NYA	NYA
Preah Netr Preah referral hospital	0	NYA	NYA	NYA	NYA	NYA
Phnom Leap health center	0	NYA	NYA	NYA	NYA	NYA
Ou Chrov referral hospital	0	NYA	NYA	NYA	NYA	NYA
Nimit health center	0	NYA	NYA	NYA	NYA	NYA
Malai health center	0	NYA	NYA	NYA	NYA	NYA
Phnom Toch health center	0	NYA	NYA	NYA	NYA	NYA
Mongkol Borei referral hospital	23	NYA	NYA	NYA	NYA	NYA
Srah Chik health center	0	NYA	NYA	NYA	NYA	NYA
Ou Russei health center	0	NYA	NYA	NYA	NYA	NYA
Number of casualties reported at Krong Keb provincial hospital	NYA	NYA	NYA	NYA	NYA	NYA
Number of casualties reported at Mondol Kiri privincial	NYA	NYA	NYA	NYA	NYA	NYA
hospital						
Number of casualties reported at Krong Pailin provincial	NYA	NYA	NYA	NYA	NYA	NYA
hospital						
Number of casualties reported at Kaoh Kong provincial hospital	NYA	NYA	NYA	NYA	NYA	NYA
Number of casualties reported at Svay Rieng hospitals:						
	NYA	NYA	NYA	NYA	NYA	NYA
Chi Phu referral hospital	NYA	NYA	NYA	NYA	NYA	NYA
Number of casualties reported at Prey Veng hospitals:	NYA	NYA	NYA	NYA	NYA	NYA
Kampong Trabaek referral hospital	NYA	NYA	NYA	NYA	NYA	NYA
Number of casualties reported at Rattanak Kiri provincial hospital	NA	NA	NA	NA	11	NYA
Number of hospital data sources	86	86	86	86	90	90



## Traffic police data<sup>3</sup>

	Mar-06	Apr-06	May-06	Jun-06	Jul-06	Aug-06
Total number of casualties reported by traffic police	702	1067	663	624	546	485
Number of casualties reported by traine poince	54	55	63	80	58	57
Chamkar Mon district	6	3	6	6	3	4
Dang Kao district	11	6	20	10	13	14
Doun Penh district	6	8	8	17	10	10
	1	17	13	19	10	12
Mean Chey district						
Pram Pir Makara district Russei Keo district	2	5	8	7	6	7
	24	12	5	10	13	10
Toul Kok district	4	3	3	11	3	0
Unknown	0	1	0	0	0	0
Number of casualties reported in Kandal  Angk Snuol district	<b>65</b> 16	<b>82</b> 16	<b>76</b>	<b>37</b> 10	<b>59</b> 23	<b>68</b> 32
Kandal Stueng district	2	13	8	0	23	3
Kaoh Thum district	0	0	0	0	0	0
Kien Svay district	13	23	11	13	8	9
Leuk Daek district	0	0	0	0	0	0
Mukh Kampul district	12	15	31	9	4	12
Ponhea Leu district	15	4	4	1	0	0
Sang district	7	3	0	0	0	0
Ta Khmau district	0	8	8	4	22	12
Number of casualties reported in Kampong Cham	30	70	45	67	17	31
Batheay district	6	11	12	4	3	7
Memot district	2	8	4	4	1	1
Ponhea Kraek district	6	6	1	12	0	0
Prey Chhor district	3	5	2	3	4	1
Stueng Trang district	0	0	8	0	0	0
Thoung Khmum district	4	11	4	6	1	2
Cheung Prey district	4	12	0	22	0	8
Chamkar Leu district	2	12	4	7	1	4
Dambae district	0	0	4	0	2	0
Ou Reang Ov district	0	1	0	2	1	3
Kang Meas district	0	0	0	0	2	0
Kampong Cham district	0	1	0	7	2	0
Kampong Siem district	3	1	6	0	0	5
Kroch Chhmar district	NA	2	0	0	0	0
Number of casualties reported in Kampong Chhnang	38	90	19	42	29	NYA
Baribour district	5	13	3	15	7	NYA
Kampong Chhnang district	1	7	6	7	9	NYA
Kampong Leaeng district	3	4	3	0	0	NYA
Kampong Trorlach district	22	4	0	2	4	NYA
Rolea B'ier district	2	26	6	16	8	NYA
Sameakki Mean Chey district	5	36	1	2	1	NYA
Tuek Phos	0	0	0	0	0	NYA
Number of casualties reported in Kampong Speu	49	38	12	18	23	24
Chbar Mon district	9	20	4	6	9	3
Phnum Sruoch district	19	4	4	5	7	11
Samraong Tong district	13	1	4	6	5	10
Aoral district	0	0	0	0	0	0
Thpong district	2	4	0	1	0	0
Odongk district	0	9	0	0	2	0
Kong Pisei district	6	0	0	0	0	0
Number of casualties reported in Kampot	22	26	7	NYA	8	18
Angkor Chey district	4	3	NYA NYA	NYA	2	1
Banteay Meas district Chhouk district	0	0		NYA	1	2
Dang Tong district	3 2	3	NYA NVA	NYA NYA	0	3
Kampong Bay district	6	5	NYA 4	NYA	2	0 5
Kampong Bay district Kampot district	7	10	3	NYA	1	6
Kampong Trach district	0	2	NYA	NYA	0	1
Unknown	0	0	NYA	NYA	0	0
Chum Kiri district	0	0	NYA	NYA	0	0
Chain fair diotriot	J		1117	1317		U

<sup>&</sup>lt;sup>3</sup> The number of casualties reported is 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.



Mar-06         Apr-06         May-06         Jun-06         Jul-06           Number of casualties reported in Kracheh         40         50         25         20         9           Chhloung district         7         6         5         2         3           Kracheh district         22         31         5         13         2           Sambour district         6         1         5         4         0           Snuol district         5         12         10         0         1           Preaek Prasab district         0         0         0         1         2           Unknown         0         0         0         0         1           Number of casualties reported in Mondol Kiri         NYA         3         5         5         8           Kaev Seima district         NYA         0         0         0         0           Kaoh Nhaek district         NYA         0         0         0         0	Aug-06 12 4 8 0 0 0 16 6 0 2
Chhloung district         7         6         5         2         3           Kracheh district         22         31         5         13         2           Sambour district         6         1         5         4         0           Snuol district         5         12         10         0         1           Preaek Prasab district         0         0         0         1         2           Unknown         0         0         0         0         1           Number of casualties reported in Mondol Kiri         NYA         3         5         5         8           Kaev Seima district         NYA         0         2         4         2           Kaoh Nhaek district         NYA         0         0         0         0	4 8 0 0 0 0 16 6 0 0 2
Kracheh district         22         31         5         13         2           Sambour district         6         1         5         4         0           Snuol district         5         12         10         0         1           Preaek Prasab district         0         0         0         1         2           Unknown         0         0         0         0         1           Number of casualties reported in Mondol Kiri         NYA         3         5         5         8           Kaev Seima district         NYA         0         2         4         2           Kaoh Nhaek district         NYA         0         0         0	8 0 0 0 0 16 6 0 0 2
Sambour district         6         1         5         4         0           Snuol district         5         12         10         0         1           Preaek Prasab district         0         0         0         1         2           Unknown         0         0         0         0         1           Number of casualties reported in Mondol Kiri         NYA         3         5         5         8           Kaev Seima district         NYA         0         2         4         2           Kaoh Nhaek district         NYA         0         0         0         0	0 0 0 16 6 0 0 2
Snuol district         5         12         10         0         1           Preaek Prasab district         0         0         0         1         2           Unknown         0         0         0         0         1           Number of casualties reported in Mondol Kiri         NYA         3         5         5         8           Kaev Seima district         NYA         0         2         4         2           Kaoh Nhaek district         NYA         0         0         0	0 0 0 16 6 0 0 2
Preaek Prasab district         0         0         0         1         2           Unknown         0         0         0         0         1           Number of casualties reported in Mondol Kiri         NYA         3         5         5         8           Kaev Seima district         NYA         0         2         4         2           Kaoh Nhaek district         NYA         0         0         0         0	0 0 16 6 0 0 2
Unknown         0         0         0         0         1           Number of casualties reported in Mondol Kiri         NYA         3         5         5         8           Kaev Seima district         NYA         0         2         4         2           Kaoh Nhaek district         NYA         0         0         0         0	0 16 6 0 0 2
Number of casualties reported in Mondol Kiri         NYA         3         5         8           Kaev Seima district         NYA         0         2         4         2           Kaoh Nhaek district         NYA         0         0         0         0	16 6 0 0 2
Kaev Seima district         NYA         0         2         4         2           Kaoh Nhaek district         NYA         0         0         0         0	6 0 0 2 0
Kaoh Nhaek district         NYA         0         0         0	0 0 2 0
	0 2 0
NVA I O I O I O I	2
Ou Reang district         NYA         0         0         0           Saen Monorom district         NYA         3         2         1         6	0
	_
Unknown NA NA NA NA NA	8
Number of casualties reported in Pursat  NYA  81  42  34  35  Bakan district  NYA  38  20  9  6	18
	1
Krakor district NYA 23 5 14 14	9
Phmun Kravanh district NYA 8 4 4 0	2
Sampov Meas district         NYA         12         11         6         12	6
Kandieng district NYA 0 2 1 2	0
Unknown 0 0 0 1	0
Number of casualties reported in Siem Reap 46 93 86 52 49	23
Siem Reap district         29         52         54         27         38	21
Chi Kraeng district         9         12         1         8         0	0
Kralanh district         1         4         2         10         0	0
Prasat Bakong district 6 10 3 7 4	2
Puok district         0         3         1         0         0	0
Banteay Srei district         1         0         0         0	0
Soutr Nikom district         NA         12         25         0         7	0
Number of casualties reported in Svay Rieng 35 74 56 28 19	14
Chan Trea district         9         18         7         7         0	3
Kompong Rou district         0         7         0         3         0	0
Svay Chrum district 9 14 9 3 3	7
Svay Rieng district         5         7         10         8         7	4
Svay Teab district         9         14         24         5         7	0
Romeas Haek distirct 2 14 4 2 2	0
Rumduol distirct 1 0 2 0 0	0
Number of casualties reported in Kampong Thom 37 66 16 32 31	NYA
Baray district 11 19 2 7 4	NYA
Kampong Svay district 2 8 1 3 3	NYA
Prasat Balangk district 2 0 0 3 0	NYA
Santuk district 6 11 6 4 6	NYA
Stoung district         12         25         0         5         9	NYA
Stueng Saen district 4 3 7 10 8	NYA
Prasat Sambour district NA NA NA NA 1	NYA
Number of casualties reported in Preah Vihear  NYA  6  2  3  NYA	2
Choam Khsant district NYA 1 2 0 NAY	0
Rovieng district NYA 1 0 0 NAY	0
Tbaeng Mean Chey district NYA 1 0 0 NYA	2
Kulaen district NYA 3 0 3 NYA	0
Sangkom Thmei district NYA 0 0 NYA	0
Number of casualties reported in Sihanouk Ville  15 23 21 14 28	23
Mitta Pheap district         12         12         16         8         17	10
Prey Nob district         3         11         5         6         11	13
Number of casualties reported in Takeo 50 81 19 18 26	23
Bati district         12         4         4         0         10	2
Doun Keo district         0         6         1         2         0	0
Kiri Vong district         8         12         4         4         3	2
Koh Andaet district 0 0 0 0	0
Treang district 9 27 5 4 5	16
Tram Kak district         11         0         0         8	2
Somraong district 6 20 5 8 0	1
Angkor Borei district         4         0         0         0	0
Prey Kabbas district NA 12 0 0 0	0



	Mar-06	Apr-06	May-06	Jun-06	Jul-06	Aug-06
Number of casualties reported in Krong Kaeb	NYA	4	9	NYA	1	0
Damnak Changaeur	NYA	2	6	NYA	1	0
Kaeb	NYA	2	3	NYA	0	0
Number of casualties reported in Banteay Mean Chey	43	111	43	39	30	31
Malai district	0	0	0	0	0	0
Mongkol Borei district	15	46	16	7	16	10
Ou Chrov district	3	7	6	0	5	3
Preah Netr Preah district	6	13	8	0	1	0
Serei Saophoan district	15	23	12	26	7	18
Phnom Srok district	0	4	0	0	0	0
Svay Chek district	4	9	1	6	1	0
Thma Puok district	0	9	0	0	0	0
Number of casualties reported in Kaoh Kong	17	39	23	21	4	12
Koh Kong district	0	1	0	0	0	0
Mondol Seima district	8	3	13	7	0	0
Smach Mean Chey district	6	16	1	9	2	7
Botum Sakor district	0	3	0	0	0	0
Srae Ambel district	3	13	9	2	0	3
Kampong Seila district	0	3	0	3	2	2
Number of casualties reported in Ratanak Kiri	NYA	NYA	12	15	1	11
Angdoung Meas district	NYA	NYA	0	0	0	0
Ban Lung district	NYA	NYA	9	10	1	11
Bar Kaev district	NYA	NYA	0	0	0	0
Koun Mom district	NYA	NYA	3	2	0	0
Lum Phat district	NYA	NYA	0	0	0	0
Ou Chum district	NYA	NYA	0	3	0	0
Number of casualties reported in Krong Pailin	9	4	5	14	17	7
Pailin district	9	4	5	10	13	6
Sala Krau district	0	0	0	4	4	1
Unknown	0	0	0	0	0	0
Number of casualties reported in Prey Veng	36	48	18	17	37	8
Kampong Leav district	0	3	0	5	1	1
Kampong Trabaek district	15	8	5	1	0	0
Kanhchriech district	0	0	1	0	1	0
Peam Ro district	7	4	7	0	9	4
Preah Sdach district	3	3	1	0	16	0
Prey Veaeng district	1	14	0	2	6	3
Me sang district	0	0	2	0	0	0
Ba Phnom district	2	8	1	5	3	0
Kamchay Mear district	4	0	1	2	0	0
Pea Reang district	4	3	0	2	0	0
Peam Chor district	NA	5	0	0	0	0
Sothor Kandal district	NA	NA NA	NA	NA NA	1	0
Number of casualties reported in Battambang	113	23	57	56	32	74
Banan district	9	2	1	4	0	10
Battambang district	26	2	9	10	9	16
Bavel district	0	NYA	2	2	0	0
Moung Ruessei district	13	12	30	1	7	35
Ratanak Mondol district	16	NYA	0	2	0	2
Phnom Proek district	4	NYA	0	0	2	0
Sangkae district	21	3	5	30	5	3
Thmor Koul district	20	2	10	6	8	6
Sampov Loun district	4	2	0	1	1	2
Number of casualties reported in Stueng Traeng	3	NYA	2	12	25	13
Stueng Traeng district	3	NYA	2	12	21	13
Sesan district	0	NYA	0	0	4	0
COCATI GIOLITOL	U	INTA	U	U	4	U



#### **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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