









Cambodia
Road Traffic Accident and
Victim Information System



Monthly Report September 2006



Developed with the support of:

Belgian Cooperation

World Health Organization





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.

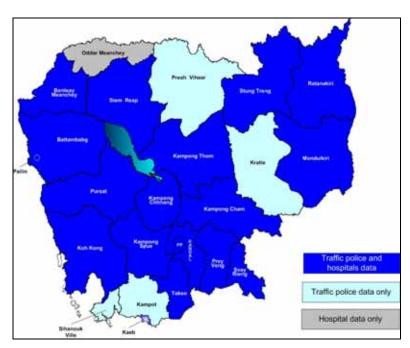
RTAVIS reports are **distributed monthly**. RTAVIS reports can also be found on the following website: www.cnctp.info

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:



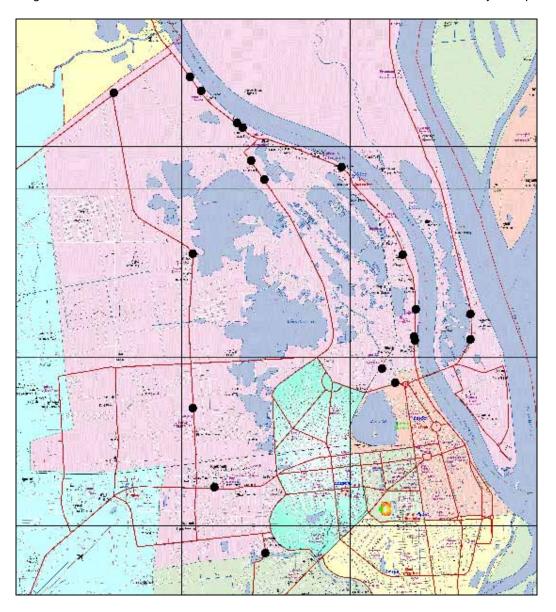
III. System Update

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.

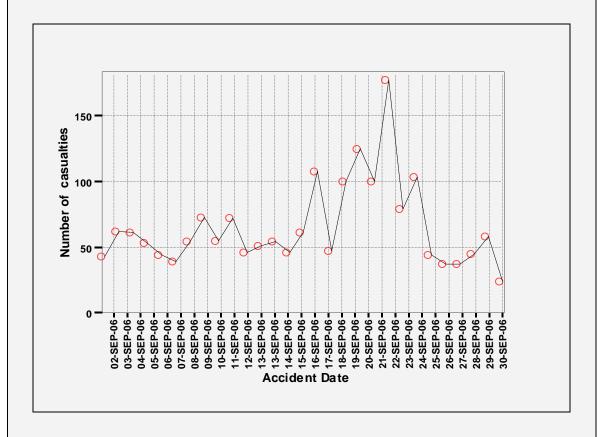
The following chart shows the locations of road traffic accidents in Russei Keo district from July to September.



IV. Executive Summary

Key findings for the month of **September 2006** are the following:

- A provisional number of **1,955 casualties** were reported by the participating hospitals, health centres, private clinics and traffic police departments in the 24 reporting provinces. Among them, **253 were severely injured and 84 died**.
- In Phnom Penh, 348 casualties were reported, corresponding to a 31% decrease compared to September 2005.
- 33% of casualties suffered from head injuries.
- 49% of four-wheeled vehicles involved in road traffic accidents were right-hand drives.
- 5% of motorbikes' casualties were wearing a helmet.
- Higher daily numbers of casualties have been reported during the Pchum Ben period (21st, 22nd and 23rd of September), with a peak the 22nd of September, recording **3 times more casualties than the daily average of the month**.



There are important differences in accident characteristics between Phnom Peng and provinces, as shown in the following table.

	Dhuam Danh ank	All provinces without
	Phnom Penh only Jan- Sep-2006	Phnom Penh Jan- Sep-2006
Age category		our cop 2000
Percentage of casualties aged between 15 and 24 years	44%	35%
Type of road user		
Percentage of motorbike riders	83%	69%
Percentage of pedestrians	8%	8%
Percentage of car riders (private and taxis)	3%	6%
Percentage of bicycle riders	3%	6%
Occupation		
Percentage of students	27%	20%
Percentage of farmers	3%	30%
Percentage of workers	32%	18%
Percentage of house keepers	10%	5%
Percentage of vendors/small businesses owners	7%	7%
Percentage of motorbike taxis	5%	4%
Day of accident:		
Percentage of casualties injured during the weekend (from		
Friday 6 pm to Sunday midnight)	35%	35%
Time of accident:		
Percentage of casualties injured during nighttime (from 6	42%	28%
pm to 5.59 am)	4270	20%
Peak(s) of casualties	8pm-9pm	5pm-6pm
Cause of accident		
Percentage of casualties injured in accidents due to	070	
human error	97%	93%
High speed	38%	44%
Alcohol abuse	18%	17%
Non respect of rights of way rules	7%	7%
Changing lane without due care	9%	6%
Dangerous overtaking	16%	11%
Driving against flow of traffic	5%	2%
Other	4%	6%
Percentage of casualties injured in accidents due to road		
conditions	4%	12%
Percentage of casualties injured in accidents due to		
weather conditions	1%	3%
Percentage of casualties injured in accidents due to		
vehicle defect	1%	5%
Type of accident:		
Percentage of casualties injured in motorbike-motorbike		
collisions	42%	31%
Percentage of casualties injured in motorbike-4 wheeler		
collisions	25%	17%
Safety Measures:		
Percentage of motorbikes/bicycles' casualties wearing a		
helmet	4%	3%
Time to be transferred to hospitals:		
Percentage of casualties arriving at hospitals between 10		
and 30 minutes after the accident	38%	27%
Percentage of casualties arriving at hospital more than 2		
hours after the accident	17%	38%
Way to be transferred to hospitals:		
Percentage of casualties transported by ambulance	45%	18%
Percentage of casualties transported by ambulance Percentage of casualties transported to the hospital by		
their family or relatives	40%	68%
Percentage of casualties arriving alone at the hospital	15%	14%
Attendance of police:	10 /4	1770
Percentage of cases were police was present on the		
accident site	60%	66%
accident offe		

V. Evolution of Main Indicators

	Арг-06	May-06	Jun-06	Jul-06	Aug-06	Sep-06
Number of casualties reported to RTAVIS	2,534	1,767	1,530	1,474	1,356	1,955
Gender	,	·		·	·	,
Percentage of males casualties	72%	71%	73%	73%	72%	68%
Age						
Percentage of casualties aged between 15 and 24	42%	36%	35%	34%	36%	40%
years old	4270	30%	35%	34 %	30%	40%
Type of road user						
Percentage of motorbike riders	75%	70%	73%	75%	71%	71%
Percentage of pedestrians	7%	5%	6%	10%	9%	8%
Percentage of car riders (private and taxis)	5%	6%	7%	2%	7%	5%
Percentage of bicycle riders	4%	6%	5%	5%	5%	5%
Occupation						
Percentage of students	23%	21%	21%	22%	21%	24%
Percentage of farmers	28%	21%	22%	22%	19%	27%
Percentage of workers	19%	23%	22%	21%	26%	18%
Percentage of house keepers	6%	8%	6%	6%	5%	5%
Percentage of vendors/small businesses owners	7%	8%	6%	8%	7%	6%
Percentage of motorbike taxis	4%	3%	5%	7%	3%	4%
Residence of casualty						
Percentage of casualties residing in another province	14%	19%	18%	14%	15%	12%
than the province of accident	1470	1976	10%	14 70	15%	1270
Severity of injuries:						
Percentage of severely injured casualties (requiring	25%	25%	26%	17%	17%	13%
chirurgical intervention of ICU)	(630 cases)	(434 cases)	(398 cases)	(256 cases)	(232 cases)	(253 cases)
Developed of developed						
Percentage of deaths	7%	5%	6%	5%	6%	8%
	(166 cases)	(90 cases)	(87 cases)	(79 cases)	(78 cases)	(84 cases)
Nature of injuries:						
Percentage of casualties suffering from cranial trauma	41%	38%	43%	40%	46%	33%
Percentage of them being considered as severe	16%	13%	10%	9%	14%	11%
(coma)						
Percentage of casualties suffering from fracture	17%	18%	18%	18%	18%	15%
Percentage of casualties having wounds/cuts	49%	47%	47%	51%	51%	55%
Day of accident:						
Percentage of casualties injured during the weekend	45%	30%	31%	36%	29%	34%
(from Friday 6 pm to Sunday midnight)	1 40,0	3070	0170	3070	2070	34 /4
Time of accident:						
Percentage of casualties injured during nighttime (from	29%	32%	31%	32%	30%	23%
6 pm to 5.59 am)	2970	3270	3170	J270	30 %	2370
Peak(s) of casualties	4pm-7pm	6pm-7pm	7pm-8pm	5pm-6pm	7pm-8pm	4pm-5pm and
	4pm-r pm	Opin-7 pini	7 pili-opili	Spiiropiii	7 piir-opiii	6pm-7pm
Cause of accident						
Percentage of casualties injured in accidents due to	95%	95%	93%	94%	94%	95%
human error						
High speed	48%	40%	42%	39%	37%	42%
Alcohol abuse	17%	17%	15%	18%	18%	15%
Drug abuse			0%	0%	0%	0%
Non respect of rights of way rules	9%	5%	5%	6%	6%	9%
Changing lane without due care	6%	5%	5%	7%	7%	5%
Dangerous overtaking	8%	16%	16%	16%	19%	18%
Driving against flow of traffic	3%	2%	4%	3%	2%	3%
Other	4%	10%	6%	5%	5%	3%
Percentage of casualties injured in accidents due to	8%	8%	7%	7%	10%	10%
road conditions	0.0	0 70	. 70	. 70	.070	.574
Percentage of casualties injured in accidents due to	0%	3%	4%	4%	4%	5%
weather conditions	- II	- Tu	- 14	- 14	- 14	- Tu
Percentage of casualties injured in accidents due to	3%	4%	5%	4%	5%	3%
vehicle defect					- 1	.

	Арг-06	May-06	Jun-06	Jul-06	Aug-06	Sep-06
Type of accident:						-
Percentage of casualties injured in motorbike-	36%	220/	240/	270/	250/	270
motorbike collisions	30%	33%	34%	37%	35%	37%
Percentage of casualties injured in motorbike-4	20%	18%	22%	21%	20%	17%
wheeler collisions	20%	1070	2270	2170	20%	1770
Percentage of casualties injured in motorbike-	7%	6%	7%	8%	7%	8%
pedestrian collisions	/ 70	0%	/ 70	0%	7 70	078
Percentage of motorbike casualties who fell alone	10%	11%	8%	10%	8%	9%
Average number of people injured per accident	2.18	3.68	2.33	2.16	2.66	4
Hit and Run						
Percentage of casualties injured in accidents where						
the driver of the vehicle causing the accidents escaped	17%	24%	24%	24%	32%	18%
after the accident						
Estimation of average vehicle damage cost	109 US\$	155 US\$	169 US\$	141 US\$	182 US\$	161 US\$
Percentage of four-wheeled vehicles with	100 004	,00 004	100 004		,02 004	101.004
Left-hand-drive	57%	71%	66%	65%	56%	51%
Right-hand-drive	43%	29%	34%	35%	44%	49%
Location of accident:						
Percentage of casualties injured in urban areas	43%	46%	46%	51%	45%	42%
Percentage of casualties injured in accidents						
occurring on national roads	56%	54%	57%	56%	57%	57%
Percentage of casualties injured in accidents occuring						
on provincial roads	9%	9%	9%	6%	9%	9%
Percentage of casualties injured in accidents						
occurring on paved roads	72%	77%	82%	79%	82%	74%
Characteristics of location:						
Percentage of casualties injured in accidents occuring	83%	77%	79%	80%	82%	79%
on straight roads						
Percentage of casualties injured in junctions (X, T, Y-	7%	9%	10%	10%	8%	10%
junctions and roundabout)	/ /0	370	10 /	1078	0 /0	10 /8
Percentage of casualties injured in curves	7%	12%	8%	8%	7%	10%
Safety Measures:						
Percentage of car/truck/bus drivers having a driving	56%	71%	44%	75%	64%	53%
licence	3076	7 1 70	44 70	7570	04 70	3376
Percentage of motorbikes/bicycles' casualties wearing	3%	3%	3%	3%	4%	5%
a helmet	370	370	J/0	J /0	4 /0	3/0
Time to be transferred to hospitals:						
Percentage of casualties arriving at hospitals between	28%	27%	24%	31%	32%	31%
10 and 30 minutes after the accident	ZU /0	∠r /0	∠4 /0	J1/0	JZ /0	31/0
Percentage of casualties arriving at hospital more than	35%	33%	36%	33%	34%	32%
2 hours after the accident	5570	5570	30 /0	55 /0	5470	J2 /II
Way to be transferred to hospitals:						
Percentage of casualties transported by ambulance	27%	32%	24%	30%	29%	22%
Percentage of casualties transported to the hospital	59%	54%	61%	51%	54%	62%
by their family or relatives						
Percentage of casualties arriving alone at the hospital	14%	14%	15%	19%	17%	16%
Estimation of average cost of treatment	107 US\$	97 US\$	79 US\$	113 US\$	100 US\$	97 US\$
Attendance of police:						
Percentage of cases were police was present on the	68%	66%	68%	62%	60%	67%
accident site	3370	5570	5570	0270	5570	O7 /II

VI. Data by source

Hospital data

<u>oital data</u>	l Annoc	Mounte	Jun-06	Lut ne	1 100000	Son De
Total number of casualties reported at hospitals	Apr-06 1,464	May-06 1,105	906	Jul-06 928	Aug-06 867	Sep-06 1,127
Number of casualties reported at Phnom Penh	· ·	<u> </u>				·
hospitals:	625	578	496	479	512	524
Calmette	223	157	149	144	151	148
Kossamak	113	86	85	93	101	107
Bayon	78	93	103	84	83	95
Sihanouk	50	30	29	23	29	43 76
Dusit National Pediatric	58 19	76 40	41 37	48 28	80 20	76 13
Vibol Sok	7	5	1	20	2	0
Naga	3	2	2	† – – – – – – – – – – – – – – – – – – –	10	5
Chan Trea	74	89	49	24	0	Ō
Kunthabopha I	NA	NA	NA	33	36	37
Number of casualties reported at Kampong Cham	417	286	232	206	232	446
hospitals:						
Kampong Cham provincial hospital	152	112	99	108	111	189
Memot referral hospital	63	49	46	36	33	52 50
Tboung Kmum referral hospital Ponhea Krek referral hospital	62 75	56 41	41 16	33 8	40 13	50 68
Prey Chhor referral hospital	20	6	7	NYA	6	40
Cheung Prey referral hospital	45	22	23	21	29	47
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	NYA	NYA	NYA	NYA	NYA	NYA
Lovea health center	NYA	NYA	NYA	NYA	NYA	NYA
O Reang Ouv referral hospital	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 Siem Reap provincial hospital	202 119	77 70	NYA NYA	45 38	NYA NYA	47 20
Chin Huo	0	0	NYA	0	NYA	NYA
Prai Norkor	0	1 0	NYA	0	NYA	NYA
Koma Angkor	Ö	Ö	NYA	Ö	NYA	NYA
Sokh Phiep	16	Ō	NYA	Ō	NYA	NYA
Chin Peekoang	13	0	NYA	0	NYA	NYA
Kralanh referral hospital	13	4	NYA	0	NYA	2
Puok health center	4	3	NYA	5	NYA	6
Naga	0	0	NYA	0	NYA	NYA
Sot Nikum referral hospital	37	NYA	NYA	2	NYA	19
Angkor Chum	0	0	NYA	0	NYA	NYA
Number of casualties reported at Otdar Mean Chey hospitals:	19	NYA	3	16	NYA	NYA
Otdar Mean Chey provincial hospital	19	NYA	3	9	NYA	NYA
Beng health center	NA NA	NA NA	NA NA	1	NYA	NYA
Anlong Veng health center	NA	NA NA	NA NA	6	NYA	NYA
Number of casualties reported at Kampong Speu	51	32	37	38	41	34
provincial hospital	31	JZ	31	30	41	34
Number of casualties reported at Kampong Chhnang	23	31	29	29	26	19
hospitals:						
Kampong Trorlach referral hospital	14	20	18	15	14	19
Kampong Chhnang referral hospital	9	11 0	11 0	14 0	12 0	0
Taing Krasaing health center Pon Ley health center	0	0	0	0	0	0
Number of casualties reported at Kandal hospital:	31	30	16	53	42	57
Chey Chomnah provincial hospital	15	20	10	11	13	6
Ta Khmau health center	16	10	6	16	20	8
Anlong Romiet health center	NYA	NYA	NYA	5	9	11
Preak Anh Chanh health center	NYA	NYA	NYA	0	NYA	NYA
Tumnup Thom health center	NYA	NYA	NYA	0	NYA	NYA
Phnom Bat health center	NYA	NYA	NYA	0	NYA	NYA
Prek Pneou health center	NYA	NYA	NYA	0	NYA	NYA
Koh Thom referral hospital Damnak Ampil health center	NYA NYA	NYA NYA	NYA NYA	3 0	NYA NYA	NYA NYA
Boeng Kiang health center	NYA NYA	NYA NYA	NYA NYA	7	NYA NYA	16
Chheu Teal health center	NYA	NYA	NYA	0	NYA	2
Ksach Kandal referral hospital	NYA	NYA	NYA		NYA	14
Siem Reap health center	NYA	NYA	NYA	6 5	NYA	NYA
Dey Eth health center	NYA	NYA	NYA	0	NYA	NYA
Kampong Phnom health center	NYA	NYA	NYA	0	NYA	NYA

	Арт-06	May-06	Jun-06	Jul-06	Aug-06	Sep-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:	96	71	42	51	14	NYA
Battambang provincial hospital	NYA	NYA	NYA	NYA	NYA	NYA
Thmor Koul referral hospital	NYA	NYA	NYA	NYA	NYA	NYA
Phnom SamPov health center	NYA	NYA	NYA	NYA	NYA	NYA
Chrey health center	NYA	NYA	NYA	NYA	NYA	NYA
Moung Russei referral	NYA	NYA	NYA	NYA	NYA	NYA
Emergency Center	96	71	42	51	14	NYA
Bavel 1 health center	NYA	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	51	NYA	NYA	NYA
Doun Keo provincial hospital	NYA	NYA	50	NYA	NYA	NYA
Physical Rehabilitation Center Takeo	NA	NA NA	1	NYA	NYA	NYA
Number of casualties reported at Banteay Mean Chey						
hospitals:	NYA	NYA	NYA	NYA	NYA	NYA
Preah Netr Preah referral hospital	NYA	NYA	NYA	NYA	NYA	NYA
Phnom Leap health center	NYA	NYA	NYA	NYA	NYA	NYA
Ou Chrov referral hospital	NYA	NYA	NYA	NYA	NYA	NYA
Nimit health center	NYA	NYA	NYA	NYA	NYA	NYA
Malai health center	NYA	NYA	NYA	NYA	NYA	NYA
Phnom Toch health center	NYA	NYA	NYA	NYA	NYA	NYA
Mongkol Borei referral hospital	NYA	NYA	NYA	NYA	NYA	NYA
Srah Chik health center	NYA	NYA	NYA	NYA	NYA	NYA
Ou Russei health center	NYA	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	"""	"""	"""	1116		1110
Number of casualties reported at Krong Pailin	NYA	NYA	NYA	NYA	NYA	NYA
provincial hospital	1110	"""	"""	IIIA	""	1110
Number of casualties reported at Kaoh Kong provincial	NYA	NYA	NYA	NYA	NYA	NYA
hospital	MIA	IIIA	l IIIA	IIIA	"'A	IIIA
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	11	NYA	NYA
Number of hospital data sources	86	86	86	90	90	90

Traffic police data1

	Apr-06	May-06	Jun-06	Jul-06	Aug-06	Sep-06
Total number of casualties reported by traffic	1067	663	624	546	485	828
Number of casualties reported in Phnom Penh	55	63	80	58	57	52
Chamkar Mon district	3	6	6	3	4	2
Dang Kao district	6	20	10	13	14	19
Doun Penh district	8	8	17	10	10	7
Mean Chey district	17	13	19	10	12	13
Pram Pir Makara district	5	8	7	6	7	6
Russei Keo district	12	5	10	13	10	4
Toul Kok district	3	3	11	3	0	1
Unknown	1	† Ö	0	†	0	0
Number of casualties reported in Kandal	82	76	37	59	68	47
Angk Snuol district	16	14	10	23	32	12
Kandal Stueng district	13	8	0	2	3	5
Kaoh Thum district	0	0	T 0	0	0	0
Kien Svay district	23	11	13	8	9	0
Leuk Daek district	0	0	0	0	0	0
Mukh Kampul district	15	31	9	4	12	7
Ponhea Leu district	4	4	1	0	0	6
Sang district	3	0	0	0	0	14
Ta Khmau district	8	8	4	22	12	3
Number of casualties reported in Kampong Cham	70	45	67	17	31	56
Batheay district	11	12	4	3	7	13
Memot district	8	4	4	1	1	1
Ponhea Kraek district	6	1	12	0	0	5
Prey Chhor district	5	2	3	4	1	2
Stueng Trang district	1 0	8	0	i o	Ö	0
Tboung Khmum district	11	4	6	1	2	6
Cheung Prey district	12	0	22	t ö	8	12
Chamkar Leu district	12	4	7	1	4	5
Dambae district	0	4	Ö	2	Ö	0
Ou Reang Ov district	1	Ö	2	1	3	4
Kang Meas district	i o	0	0	2	0	1
Kampong Cham district	1	0	7	2	Ō	2
Kampong Siem district	1	6	Ō	0	5	5
Kroch Chhmar district	2	0	0	0	0	0
Number of casualties reported in Kampong Chhnang	90	19	42	29	NYA	46
Baribour district	13	3	15	7	NYA	7
Kampong Chhnang district	7	6	7	9	NYA	8
Kampong Leaeng district	4	3	0	0	NYA	26
Kampong Trorlach district	4	0	2	4	NYA	1
Rolea B'ier district	26	6	16	8	NYA	2
Sameakki Mean Chey district	36	1	2	1	NYA	2
Tuek Phos	0	0	0	0	NYA	0
Number of casualties reported in Kampong Speu	38	12	18	23	24	50
Chbar Mon district	20	4	6	9	3	8
Phnum Sruoch district	4	4	5	7 5	11	15
Samraong Tong district	1	4	6		10	12
Aoral district	0	0	0	0	0	0
Thpong district	4	0	1	0	0	0
Odongk district	9	0	0	2	0	15
Kong Pisei district	0	0	0	0	0	0
Number of casualties reported in Kampot	26	7	NYA	8	18	20
Angkor Chey district	3	NYA	NYA	2	11	2
Banteay Meas district	0	NYA	NYA	2	2	5
Chhouk district	3	NYA	NYA	11	3	4
Dang Tong district	3	NYA	NYA	0	0	3
Kampong Bay district	5	4	NYA	2	5	4
Kampot district	10	3	NYA	1	6	0
Kampong Trach district	2	NYA	NYA	0	11	2
Unknown	<u> </u>	NYA	NYA	0	0	0
Chum Kiri district	0	NYA	NYA	0	0	0

¹ 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.

	Арг-06	May-06	Jun-06	Jul-06	Aug-06	Sep-06
Number of casualties reported in Kracheh	50	25	20	9	12	50
Chhloung district	6	5	2	3	4	3
Kracheh district	31	5	13	2	8	37
Sambour district	11	5	4	0	0	11
Snuol district	12	10	, O	11	<u> </u>	5
Preaek Prasab district	<u> </u>	Ō	11	2	0	4
Unknown	0	0	0	1	0	0
Number of casualties reported in Mondol Kiri	3	5	5	8	16	7
Kaev Seima district	<u> </u>	2	4	2	6	5
Kaoh Nhaek district		0	0	0	0	0
Ou Reang district	<u> </u>	0	0	0	0	0
Saen Monorom district	3	2	1	6	2	2
Pich Chenda district	0	1	0	0	<u> </u> 0 8	0 0
Unknown	NA 81	NA 42	NA 34	NA 35		
Number of casualties reported in Pursat	38	1 4Z 20		+	18	62 24
Bakan district	23	<u>20</u>	9 14	6 14	9	
Krakor district Phmun Kravanh district		+	4	14	2	20
	8	4				6
Sampov Meas district	12 0	11	6 1	12	6	9 3
Kandieng district Unknown		2	1 0	2		<u> </u>
Number of casualties reported in Siem Reap	93	86	52	49	23	43
Siem Reap district	93 52	- 86 - 54	27	38	21	43 38
Chi Kraeng district	12	1 1) 38 0		
Kralanh district		2	10	0		l
Prasat Bakong district	10	3	7	4	2	
Puok district	3	1	<u> </u>		ļ <u>.</u>	3
Banteay Srei district	0	† <u>'</u>		0	1 0	
Soutr Nikom district	12	25		7	<u> </u>	
Number of casualties reported in Svay Rieng	74	56	28	19	14	59
Chan Trea district	18	7	7	0	3	0
Kompong Rou district		† <u>'</u>	3	0	1 0	8
Svay Chrum district	14	9	3	3	7	10
Svay Rieng district		10	8	7	4	13
Svay Teab district	14	24	5	7	† - -	25
Romeas Haek distirct	14	4	2	2	1 0	3
Rumduol distirct	<u></u>	2	-	0	i	0
Number of casualties reported in Kampong Thom	66	16	32	31	NYA	58
Baray district	19	2	7	4	NYA	11
Kampong Svay district	8	† <u>†</u>	3	3	NYA	10
Prasat Balangk district	<u>-</u>	Ö	3	0	NYA	0
Santuk district	11	6	4	6	NYA	9
Stoung district	25	0	5	9	NYA	19
Stueng Saen district	3	7	10	8	NYA	9
Prasat Sambour district	NA	NA	NA	1	NYA	0
Number of casualties reported in Preah Vihear	6	2	3	NYA	2	NYA
Choam Khsant district	1	2	0	NAY	0	NAY
Rovieng district	1	0	0	NAY	0	NAY
Tbaeng Mean Chey district	1	0	0	NYA	2	NYA
Kulaen district	3	0	3	NYA	0	NYA
Sangkom Thmei district	0	0	0	NYA	0	NYA
Number of casualties reported in Sihanouk Ville	23	21	14	28	23	34
Mitta Pheap district	12	16	8	17	10	25
Prey Nob district	11	5	6	11	13	9
Number of casualties reported in Takeo	81	19	18	26	23	37
Bati district	4	4	0	10	2	9
Doun Keo district	6	1	2	0	0	1
Kiri Vong district	12	4	4	3	2	19
Treang district	27	5	4	5	16	1
Tram Kak district	0	0	0	8	2	0
Somraong district	20	5	8	0	1	6
Angkor Borei district	0	0	0	0	0	0
Prey Kabbas district	12	0	0	0	0	0
Koh Andaet district	0	0	0	0	0	1

	Apr-06	May-06	Jun-06	Jul-06	Aug-06	Sep-06
Number of casualties reported in Krong Kaeb	4	9	NYA	1	Ö	0
Damnak Changaeur	2	6	NYA	1	0	0
Kaeb	2	3	NYA	0	0	0
Number of casualties reported in Banteay Mean Chey	111	43	39	30	31	25
Malai district	0	0	0	0	0	0
Mongkol Borei district	46	16	7	16	10	11
Ou Chroy district	7	6	0	5	3	0
Preah Netr Preah district	13	8	1 0	1	0	1
Serei Saophoan district	23	12	26	7	18	8
Phnom Srok district	4	0	1 0	Ö	0	5
Svay Chek district	9	† 1 1	6	1	<u>.</u>	0
Thma Puok district	9	 	1 0	Ö	0	0
Number of casualties reported in Kaoh Kong	39	23	21	4	12	9
Koh Kong district	1	0	<u> </u>	0	<u>'2</u>	, , , , , , , , , , , , , , , , , , ,
Mondol Seima district		13	7	0	0	3
Smach Mean Chey district	16	1	† <u>-</u>	2	7	5
Botum Sakor district	3	 		0	<u>'</u>	0
Srae Ambel district	13	9	2	0	3	1
	3	1 0	3	2	2	<u>-</u>
Kampong Seila district Number of casualties reported in Ratanak Kiri		12	15	1	11	_
	NYA		19		0	16 □
Angdoung Meas district	NYA	9	. .	0	-	
Ban Lung district	NYA	. 	10	11	11	14
Bar Kaev district	NYA	0	0	0	0	2
Koun Mom district	NYA	3	2	0	0	Ö
Lum Phat district	NYA	<u> </u>	0	0	0	0
Ou Chum district	NYA	0	3	0	0	0
Number of casualties reported in Krong Pailin	4	5	14	17	7	10
Pailin district	4	5	10	13	6	5
Sala Krau district	0	0	4	4	1	5
Number of casualties reported in Prey Veng	48	18	17	37	8	37
Kampong Leav district	3	0	5	1	1	2
Kampong Trabaek district	8	5	1	0	0	6
Kanhchriech district	0	1	0	1	0	0
Peam Ro district	4	7	0	9	4	11
Preah Sdach district	3	1	0	16	0	0
Prey Veaeng district	14	0	2	6	3	0
Me sang district	0	2	0	0	0	2
Ba Phnom district	8	1	5	3	0	1
Kamchay Mear district	0	1	2	0	0	5
Pea Reang district	3	0	2	0	0	0
Peam Chor district	5	0	0	0	0	0
Sothor Kandal district	NA	NA	NA	1	0	10
Number of casualties reported in Battambang	23	57	56	32	74	90
Banan district	2	1	4	0	10	12
Battambang district	2	9 2	10	9	16	22
Bavel district	NYA	2	2	0	0	2
Moung Ruessei district	12	30	1	7	35	26
Ratanak Mondol district	NYA	0	2	0	2	0
Phnom Proek district	NYA	0	0	2	0	0
Sangkae district	3	5	30	5	3	22
Thmor Koul district		10	6	8		6
Sampov Loun district	2	0	1	1	6 2	Ō
Number of casualties reported in Stueng Traeng	NYA	2	12	25	13	20
Stueng Traeng district	NYA	2	12	21	13	20
Sesan district	NYA	†	0	4	Ö	0
Ocean district	NYA	U	U	4	U	U

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

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