



*Kingdom of Cambodia*  
*Nation – Religion – King*

*MINISTRY OF HEALTH*

*National Health Statistics*  
*Report*  
*2002*

*Department of Planning and Health Information*  
*Phnom Penh, may 2003*

## FORWORD

*An important aspect of Health Planning and Management is the collection, analysis and use of reliable health information . With this regard, and effective monitoring and evaluating of the progress of health system development .*

*This ninth National Health Statistic Report provides a wide range of Information to all information users . Health care providers , manager and others at all level are increasingly using health Information obtained through the National Health Information system not merely for the managements of their health service delivery and planning, but also for mortaring and evaluation of their activities and program.*

*The Ministry of Health would like to take this opportunity to thank all partners, provincial and municipal health department , other concerned departments and centers as well as various organizations for their collaboration in making this edition possible.*

*Phnom, may, 2003*

*Director General for Health*

*Professor ENG HOUT*

## *Table of contents*

<b>Data coverage</b>		1
<b>Summary of Main Health Indicators</b>		2
<b>1 - Geo-demographic data</b>		4
1.1	Administration Map of Cambodia	5
1.2	Geo-demographic data by province, Cambodia 2000	6
1.3	Socio-demographic indicators, Cambodia 2000	7
1.4	Population density of Cambodia	8
<b>2 - Utilization of the Health services</b>		9
2.1	Out-patient consultations and number of new cases by province	10
2.2	Out-patient consultations and number of new cases in national hospital	10
2.3	Out-patient consultations and new cases by age group by province	11
2.4	Out-patient consultations and new cases by age group in national hospital	11
2.5	Antenatal care activities	12
2.5.1	Antenatal consultations by province	12
2.5.2	Antenatal consultations in national hospital	12
2.5.3	Number and percentage of risk pregnancies and cases referred by province	13
2.5.4	Number and percentage of risk pregnancies and cases referred in national hospital	13
2.6	Delivery activities	14
2.6.1	Home deliveries, health center deliveries and hospital deliveries	14
2.6.2	Problem related to deliveries (still birth, dystocia, cesarean section, maternal death)	15
2.7	Birth spacing activities	16
2.8	Expanded program of immunization activities	17
2.8.1	Immunization coverage of children under 1 year of age by province	17
2.8.2	Tetanus toxoid coverage for women of child bearing age and pregnant women by province	18
2.9	Hospital Activities	19
2.9.1	Number and type of hospital discharges by province	19
2.9.2	Main hospital indicators by province	23
2.9.3	Bed occupancy rate (BOR) by province	27
<b>3 - Health problems</b>		28
3.1	Main health problem of health center outpatient consultation by age group	29
3.2	Frequency and age distribution of main health problem among inpatients	31
3.3	Main health problem of inpatients	33
3.4	Cases, deaths and hospital case fatality rate of main IPD health problems	34
3.5	Specific health problem	35
3.5.1	Tuberculosis	35
3.5.2	Malaria	36
3.5.3	AIDS	37
3.5.4	Dengue	39
3.5.5	Cholera	41
3.5.6	Road and Mine accidents	43
3.5.7	Annual statistic of leprosy 2000	44
3.6	Prevalence of HBsAg, Syphilis, HIV, Among blood donors 2000	45
<b>4 - Comparison of main indicators of service utilization from 1997 to 2000</b>		46
4.1	Number of contact by inhabitant per year	47
4.2	Bed occupancy rate	48
4.3	Prenatal coverage	49
4.4	Delivery coverage	50
4.5	EPI coverage: Measles	51
<b>5 - Human resources and Government budget</b>		52
5.1	Number of MoH staff at central level, 2000	53
5.2	Number of MoH staff by provinces and total country, 2000	54
5.3	Expenditure for Health (Province and Central Level)	55

## *Data coverage*

Code	Province	Period	Number of Reports	Reports not yet
			Received	received
1	Svay rieng	January - december	12	
2	Prey Veng	January - december	12	
3	Kandal	January - december	12	
4	Phnom Penh	January - december	12	
5	Kampong Cham	January - december	12	
6	Kampong Chhnang	January - december	12	
7	Kampong Speu	January - december	12	
8	Takeo	January - december	12	
9	Kampot	January - december	12	
10	Sihanouk Ville	January - december	12	
11	Koh Kong	January - december	12	
12	Pursat	January - december	12	
13	Battambang	January - december	12	
14	Banteay Meanchey	January - december	12	
15	Siem Reap	January - december	12	
16	Kampong Thom	January - december	12	
17	Preah Vihear	January - december	12	
18	Kratie	January - december	12	
19	Stung Treng	January - december	12	
20	Mondulkiri	January - december	12	
21	Rattanakiri	January - december	12	
22	Kep Ville	January - december	12	
23	Pailin Ville	January - december	12	
24	Oudar Meanchey	January - december	12	
25	Calmette	January - december	12	
26	MCH	January - december	10	
27	NPH	January - december	12	
28	Kossamak	January - december	12	
29	Norodom Sihanouk	January - december	12	
30	Ang Duong	January - december	12	
31	Kuntha Bopha	January - december	12	
32	CENAT	January - december	12	

## Summary of Health Indicator

<b>1 Demographic data</b>			
1.1	Estimated population (million)		12,560,198
2.1	Crude Birth Rate		3.8%
3.1	Estimated population under 1 year		3.4%
<b>2 Utilization of health Services</b>			
<b>2.1 Outpatient</b>			
2.1.1	Total new cases		5,081,488
2.1.2	Total consultation		5,779,146
2.1.3	Health center consultation		5,215,372
2.1.4	Hospital consultation		233,650
2.1.5	Number of contact by inhabitant per year		0.40
2.1.6	Return Rate		1.15
<b>2.2 Inpatient</b>			
2.2.1	Total number of Inpatients		250,314
2.2.2	Hospitalization Rates		0.02
<b>2.3 Hospital activities</b>			
2.3.1	Number of Beds		7,747
2.3.2	Total inpatient days		1,488,115
2.3.3	Bed occupancy rate		52.6%
2.3.4	Average length of stay (days)		6
2.3.5	Hospital mortality rate		2.5%
<b>2.4 Antenatal care</b>			
2.4.1	Coverage		45.5%
2.4.2	Return rate		2.27
<b>2.5 Delivery</b>			
2.5.1	Expected deliveries		477,288
2.5.2	Deliveries reported		20.50%
2.5.3	Total Deliveries		97,838
2.5.4	Total home deliveries		57,937
2.5.5	Total health Center deliveries		3.45%
2.5.6	Total hospital deliveries		4.91%
2.5.7	Dystocia		2.43%
2.5.8	Hospital maternal mortality rate		0.16%
<b>2.6 Family Planning (new acceptances by method)</b>			
2.6.1	Pills		5.95%
2.6.2	IUD		0.27%
2.6.3	Injections		5.95%
2.6.4	Condoms		0.45%
2.6.5	Average rate		12.62%
<b>2.7 EPI coverage</b>			
2.7.1	BCG		78%
2.7.2	OPV3		67%
2.7.3	DPT3		67%
2.7.4	Measles		65%
2.7.5	TT2+ for pregnant women		45%

## Health Problem

3.1	<b>Outpatient (% of total new cases consultation)</b>					
	3.1.1	ARI				32.70%
	3.1.2	Cough >21 days				1.91%
	3.1.3	Diarrhea				7.26%
	3.1.4	Malaria				2.11%
	3.1.5	Measles				0.01%
	3.1.6	Neonatal tetanus				0.00%
	3.1.7	Others				56.00%
3.2	<b>Inpatient (% of total inpatient)</b>					
	3.2.1	ARI				11.39%
	3.2.2	Diarrhea				4.07%
	3.2.3	Tuberculosis				6.76%
	3.2.4	Malaria				4.01%
	3.2.5	Gyneco - obstetrics				3.34%
	3.2.6	Dengue				0.00%
	3.2.7	Road accidents				4.51%
	3.2.8	Mine accidents				0.19%
	3.2.9	Dysentery				1.05%
	3.2.10	Others				59.92%
3.3	<b>Main Hospital Mortality (% of total death in hospital)</b>					
	3.3.1	Malaria				4.28%
	3.3.2	ARI				3.06%
	3.3.3	Tuberculosis				1.74%
	3.3.4	Meningitis				14.73%
	3.3.5	Road accidents				3.18%
	3.3.6	Mine accidents				1.70%
	3.3.7	Dengue				3.19%
	3.3.8	Diarrhea				0.53%
4	<b>Comparison of main indicators of service utilization from 1997 to 2001</b>					
	4.1	Number of contact by inhabitant per year				0.37
	4.2	Bed occupancy rate				54.0%
	4.3	Prenatal coverage				45.5%
	4.4	Delivery coverage				20.50%
	4.5	EPI coverage : Measles				65%
5	<b>Human Resources</b>					
	5.1	Number of MoH staff central level, 2001				3,691
	5.2	Number of MOH staff by province, 2001				14,178
	5.3	Consolidated report for the year 2001				

# *GEO—DEMOGRAPHIC DATA*

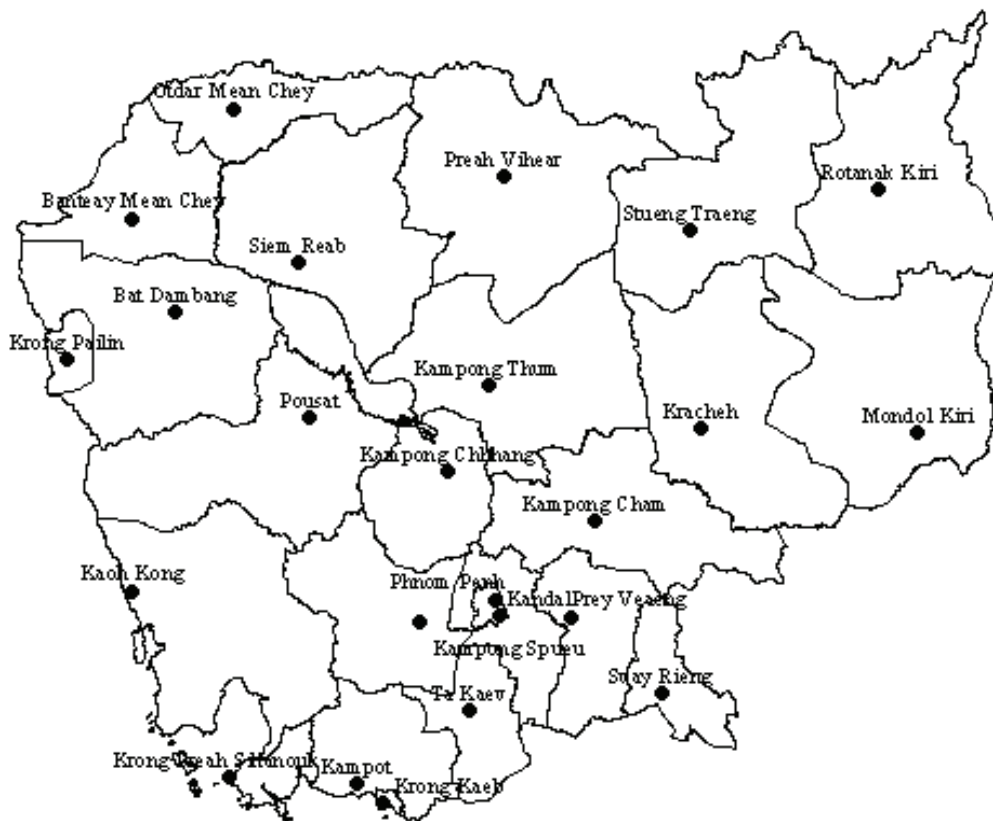
*1.1 Map of Cambodia*

*1.2 Geo-Demographic data by province, Cambodia*

*1.3 Socio-Demographic Indicator, Cambodia*

*1.4 Population density of Cambodia*

## 1.1 Map of Cambodia





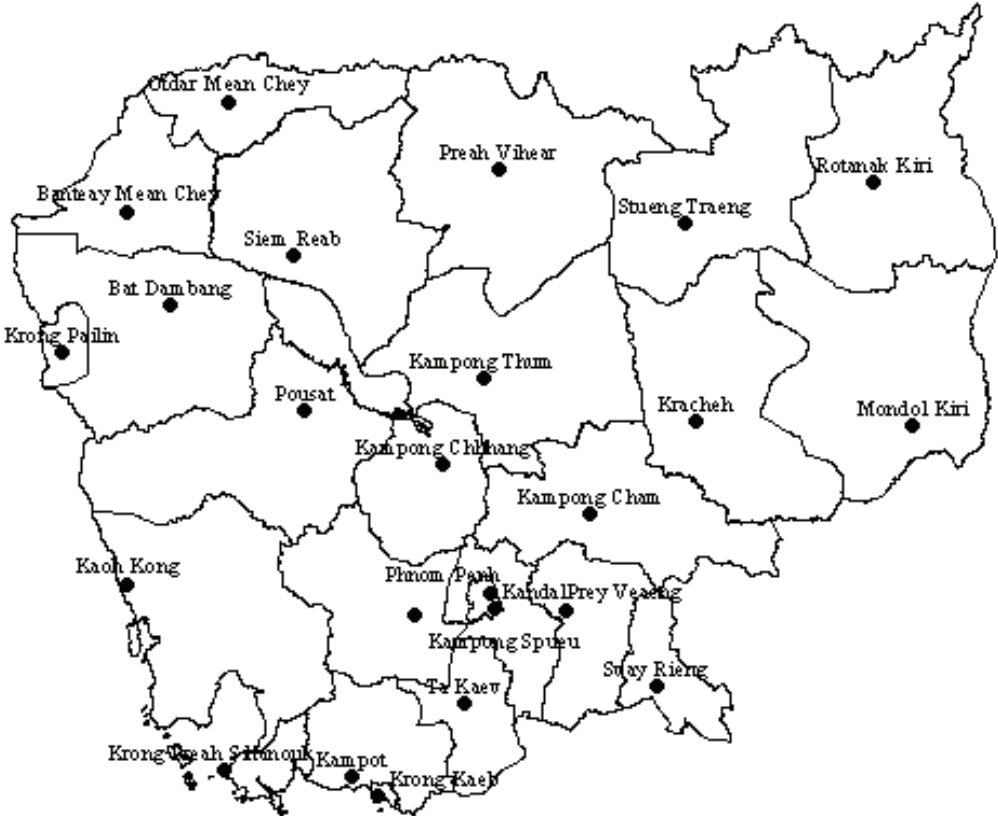
## 1.2 Geo-demographic data by province ,Cambodia, 2002

Code	Provinces	Area(Km2)	Density/Km2	Population	# Districts	# Communes	# Villages
1	Banteay Meanchey	6,679	86	651,168	8	63	604
2	Battambang	11,702	68	872,686	12	89	611
3	Kampong Cham	9,799	164	1,675,255	16	173	1,748
4	Kampong Chhnang	5,521	76	441,260	8	69	546
5	Kampong Speu	7,017	85	676,620	8	89	1,319
6	Kampong Thom	13,814	41	614,128	8	81	737
7	Kampot	4,873	108	582,018	8	92	477
8	Kandal	3,568	301	1,153,455	11	147	1,087
9	Koh Kong	11,160	12	142,013	8	32	127
10	Kratie	11,094	24	293,223	5	46	257
11	Mondulkiri	14,288	2	45,030	5	21	98
12	Phnom Penh	290	3,441	1,050,214	7	76	637
13	Preah Vihear	13,788	9	137,637	7	49	204
14	Prey Veng	4,883	194	1,051,792	12	116	1,136
15	Pursat	12,692	28	388,048	6	49	495
16	Rattanakiri	10,782	9	103,805	9	50	240
17	Siem Reap	10,299	68	787,263	12	100	882
18	Sihanouk Ville	868	179	162,813	3	22	85
19	Stung Treng	11,092	7	91,332	5	34	128
20	Svay Rieng	2,966	161	539,386	7	80	690
21	Takeo	3,563	222	894,298	10	100	1,116
22	Oudar Meanchey	6,158	11	132,369	4	18	108
23	Kep V ille	336	85	32,340	2	5	16
24	Pailin Ville	803	28	42,044	2	8	58
<b>Total:</b>		181,035		12,560,198	183	1,609	13,406
<b>Note:</b> Include area of Tonle Sap Lake (3000 km3)							
Area figures have been obtained from the Ministry of Interior							

## Socio-demographic indicators

<b>Population</b>						12,560,198
	Males (1)					48.19%
	Females (1)					51.81%
	Sex Ratio-males for 100 females(1)					93.00
	Distribution of population by age group(1)					
		0_4 years				12.80%
		5-14 years				30.00%
		15-64years				53.70%
		>64 years				3.50%
	Number of households (1)					
	Average households size (1)					
	Percentage of females ages 15-49 years (Total population) (1)					
	Never married (female aged over 15) (2)					
	Married (female aged over 15) (2)					
	Divorced/separated (female aged over 15) (2)					
	widow ed (female aged over 15) (2)					
	Population grow th rate (1)					
	Crude Death Rate (per 1000) (3)					
	Crude Birth Rate (per 1000) (3)					
	Total Fertility Rate (3)					
	Density (person per Km) (1)					
	Urban Population (1)					
	Rural Population (1)					
<b>Health</b>						
	Under 5 Mortality Rate in 2000 (per 1000 live births)(3)					
	infant Mortality Rate in 2000(per 1000 live births) (3)					
	Maternal Mortality Rate in 1997 (per 100.000 live births)(3)					
	Percentage of modern contraception Practices (% of married w omen) (3)					
	Life expectancy at birth Male (2)					
	Life expectancy at birth Female (2)					
<b>Education (2)</b>						
	Percentage of adult literates					
	Percentage of females adult literates					
	Percentage of Male adult literates					
<b>Economy</b>						
	Government Budget expenditure for Health (US \$ per capita running cost) (5)					
	Gross Domestic Product per capital (US \$) (5)					
	Household expenditure on Health care US\$					
	(1) General Population Census of Cambodia,Final Census results,Ministry of Planning,July 1998					
	(2) General Population Census of Cambodia, Analysis of CensusResult, Fertility and Mortality, Ministry of Planning, december 1999					
	(3) Cambodia Demography and Health survey 2000, Ministry of Planning					
	(4) Depratment of Finance, MOH					

# *Population density of Cambodia*



## Utilization of Health Services

2.1	<i>Out – patient consultations and number of new cases by province</i>							
2.2	<i>Out – patient consultations and number of new cases in National Hospital</i>							
2.3	<i>Out – patient consultations and number of new cases by age group by province</i>							
2.4	<i>Out – patient consultations and number of new cases by age group in National Hospital</i>							
2.5	<i>Antenatal care activities</i>							
	2.5.1	<i>Antenatal consultations</i>						
	2.5.2	<i>Number and percentage of risk pregnancies and cases referred to hospital</i>						
2.6	<i>Delivery activities</i>							
	2.6.1	<i>Home deliveries, health center deliveries and hospital deliveries</i>						
	2.6.2	<i>Problems related to deliveries (still birth, dystocie, cesarean section, maternal death)</i>						
2.7	<i>Birth spacing activities</i>							
2.8	<i>Expanded Program of Immunization activities</i>							
	2.8.1	<i>Immunization coverage for children under 1 year of age by province</i>						
	2.8.2	<i>Tetanus toxoid coverage for women of child bearing age and pregnant women by province</i>						
2.9	<i>Hospital activities</i>							
	2.9.1	<i>Number and type of hospital discharge by province</i>						
	2.9.2	<i>Main health indicators by province</i>						
	2.9.3	<i>Bed occupancy rate (BOR) by province</i>						

## 2.1 Out-patient consultations and number of new case by province

Province	Health Center		Hospital				Total new cases	Number contact / Inhabitant / year
	New	Total	Referred Consultation		Self referred			
			OD	Other District	OD	Other District		
Banteay MeanChey	260,795	302,939	2,124	1,702	10,315	2,979	277,915	0.50
Bat Dambang	310,346	425,265	2,480	1,265	17,247	4,108	335,446	0.55
Kampong Cham	603,070	642,488	3,334	305	27,866	6,200	640,775	0.50
Kampong Chhnang	170,867	188,460	517	33	7,570	1,097	180,084	0.46
Kampong Speue	219,021	241,684	1,287	334	6,016	2,264	228,922	0.58
Kampong Thum	268,492	310,074	249	7	5,914	583	275,245	0.46
Kampot	116,079	138,621	489	51	4,713	2,272	123,604	0.56
Kandal	606,948	671,369	4,589	5,798	19,590	13,161	650,086	0.40
Kaoh Kong	21,166	23,328	45	621	3,694	1	25,527	0.18
Kracheh	92,908	101,881	830	538	1,924	1,183	97,383	0.48
Mondulkiri	49,305	50,508	550	8	347	16	50,226	0.50
Phnom Penh	213,813	243,524	0	0	0	0	213,813	0.51
Preah Vihear	54,192	58,599	64	0	3,715	0	57,971	0.45
Prey Veaeng	376,084	441,357	1,969	143	10,979	2,780	391,955	0.49
Pousat	159,453	190,060	231	99	2,292	332	162,407	0.45
Rotanak Kiri	53,732	58,517	217	0	187	0	54,136	0.50
Siem Reap	330,827	347,352	2,405	438	4,537	2,402	340,609	0.45
Krong P. Sihanouk	54,422	78,807	53	0	0	0	54,475	0.58
Stueng Traeng	35,603	37,944	202	0	1,509	0	37,314	0.45
Svay Rieng	145,753	167,711	982	259	5,976	1,837	154,807	0.49
Takaev	365,771	396,770	1,080	8	15,433	12,508	394,800	0.56
Otdar Meanchey	57,301	66,510	146	1	1,446	73	58,967	0.51
Krong Kaeb	9,496	10,049	155	4	8,194	1,055	18,904	0.46
Krong Pailin	20,495	21,555	353	1	1,593	25	22,467	0.54
<b>Total :</b>	<b>4,595,939</b>	<b>5,215,372</b>	<b>24,351</b>	<b>11,615</b>	<b>161,057</b>	<b>54,876</b>	<b>4,847,838</b>	<b>0.39</b>

## 2.1 Out-patient consultations and number of new case in national hospital

Province	OPD		Hospital				Total new cases	Number contact / Inhabitant / year
	New	Total	Referred Consultation		Auto referred			
			OD	Other District	OD	Other District		
MCH	21,239	25,389	0	0	0	0	21,239	
Kuntha Bopha	21,331	27,223	0	0	0	0	21,331	
NPH	3,699	4,046	0	0	0	0	3,699	
Calmette	45,056	26,190	0	0	0	0	45,056	
Kossamak	102,841	439,128	0	0	0	0	102,841	
Norodom	36,473	37,763	0	0	0	0	36,473	
CENAT	2,809	3,833	0	0	0	0	2,809	
Ang Doung	202	202	0	0	0	0	202	
<b>Total :</b>	<b>233,650</b>	<b>563,774</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>233,650</b>	
<b>Hole Country</b>	<b>4,829,589</b>	<b>5,779,146</b>	<b>24,351</b>	<b>11,615</b>	<b>161,057</b>	<b>54,876</b>	<b>5,081,488</b>	<b>0.40</b>

2.1 *Out-patient consultations , new case by province by age group at health center*

Province	OPD				Total
	0 _ 4	5 _ 14	15 _49	> 50	
Banteay MeanChey	48,395	51,833	127,619	35,744	263,591
Bat Dambang	42,161	55,269	162,346	51,041	310,817
Kampong Cham	102,028	116,139	272,008	105,898	596,073
Kampong Chhnang	25,580	31,440	82,947	33,388	173,355
Kampong Speue	32,160	43,806	92,058	37,257	205,281
Kampong Thum	36,896	48,977	138,321	47,484	271,678
Kampot	9,871	12,829	65,504	19,763	107,967
Kandal	118,622	132,156	250,543	109,494	610,815
Kaoh Kong	4,000	5,174	11,238	2,880	23,292
Kracheh	13,123	15,424	41,168	13,381	83,096
Mondulkiri	7,219	9,870	17,734	4,746	39,569
Phnom Penh	27,721	35,664	90,151	47,478	201,014
Preah Vihear	7,813	13,658	31,921	7,353	60,745
Prey Veang	57,410	80,800	156,257	86,098	380,565
Pousat	23,530	26,688	89,784	23,506	163,508
Rotanak Kiri	11,481	13,475	20,162	10,972	56,090
Siem Reap	54,064	52,220	186,093	39,833	332,210
Krong P. Sihanouk	7,063	8,987	32,101	9,481	57,632
Stueng Traeng	5,666	7,333	20,501	4,659	38,159
Svay Rieng	20,984	23,997	75,213	28,141	148,335
Takaev	74,408	74,680	168,278	58,115	375,481
Otdar Meanchey	11,463	12,238	29,366	4,912	57,979
Krong Kaeb	3,402	2,663	5,923	2,674	14,662
Krong Pailin	3,406	4,700	12,886	3,033	24,025
<b>Total :</b>	<b>748,466</b>	<b>880,020</b>	<b>2,180,122</b>	<b>787,331</b>	<b>4,595,939</b>

2.1 *Out-patient consultations , new case by province by age group in national hospital*

National Hospital	OPD				Total
	0 _ 4	5 _ 14	15 _49	>50	
MCH	0	0	2,880	0	2,880
Kuntha Bopha	60,661	42,171	23	0	102,855
NPH	24,459	21,705	0	0	46,164
Calmette	0	409	17,488	8,358	26,255
Kossamak	41	498	2,919	1,306	4,764
Norodom	156	204	21,748	5,267	27,375
CENAT	0	0	0	0	0
Ang Doung	1,917	5,640	11,339	4,461	23,357
<b>Total :</b>	<b>87,234</b>	<b>70,627</b>	<b>56,397</b>	<b>19,392</b>	<b>233,650</b>

## 2.5

*Antenatal Care activities*

## 2.5.1

*Antenatal consultations by province*

Province	Target	Health Center				Coverage
	Population	1 st Consult	2nd Consult	3th Consult	Total Consult	Rate
Banteay MeanChey	24,744	11,684	8,801	3,572	27,171	47.2%
Bat Dambang	33,162	17,098	10,688	5,169	39,409	51.6%
Kampong Cham	63,660	28,862	19,528	11,032	71,430	45.3%
Kampong Chhnang	16,768	11,206	7,528	4,513	27,846	66.8%
Kampong Speue	25,712	10,752	5,743	2,721	20,889	41.8%
Kampong Thum	23,337	8,782	4,320	2,023	17,007	37.6%
Kampot	22,117	7,119	4,776	2,169	15,526	32.2%
Kandal	43,831	18,827	11,622	6,046	40,640	43.0%
Kaoh Kong	5,397	1,648	852	433	3,375	30.5%
Kracheh	11,142	2,671	1,372	669	5,170	24.0%
Mondulkiri	1,711	460	189	112	641	26.9%
Phnom Penh	39,908	11,787	6,255	4,143	26,334	29.5%
Preah Vihear	5,230	1,332	444	147	1,881	25.5%
Prey Veang	39,968	16,923	9,357	4,472	33,791	42.3%
Pousat	14,746	9,399	7,203	4,368	28,412	63.7%
Rotanak Kiri	3,945	1,198	539	299	2,203	30.4%
Siem Reap	29,916	16,924	12,259	5,058	37,971	56.6%
Krong P. Sihanouk	6,187	2,287	1,690	488	5,290	37.0%
Stueng Traeng	3,471	1,524	963	346	3,001	43.9%
Svay Rieng	20,497	10,171	6,818	3,470	23,411	49.6%
Takaev	33,983	16,605	11,025	4,982	34,612	48.9%
Otdar Meanchey	5,030	2,555	1,348	758	5,392	50.8%
Krong Kaeb	1,229	148	93	43	286	12.0%
Krong Pailin	1,598	629	375	156	1,218	39.4%
<b>Total</b>	<b>477,288</b>	<b>210,591</b>	<b>133,788</b>	<b>67,189</b>	<b>472,906</b>	<b>44.1%</b>

## 2.5.2

*Antenatal consultations in National hospital*

National Hospital	1 st Consultation	2nd Consultation	3th Consult	Total Consultation	
MCH	7,410	4,698	3,232	21,873	
Kuntha Bopha	0	0	0	0	
NPH	0	0	0	0	
Calmette	3,341	1,887	1,357	8,867	
Kossamak	65	56	6	127	
Norodom	146	82	36	314	
CENAT	0	0	0	0	
Ang Doung	0	0	0	0	
<b>Total</b>	<b>10,962</b>	<b>6,723</b>	<b>4,631</b>	<b>31,181</b>	
<b>Hole Country</b>	<b>221,553</b>	<b>217,314</b>	<b>71,820</b>	<b>504,087</b>	<b>45.5%</b>

### 2.5.3 Number and percentage of risk pregnancies and referred to hospital by province

Province	2 nd	Risk Pregnancies		Referred to Hospital	
	Antenatal Consult.	Number	%	Number	%
Banteay MeanChey	8,801	1,332	15.13%	165	1.87%
Bat Dambang	10,688	3,680	34.43%	463	4.33%
Kampong Cham	19,528	1,707	8.74%	825	4.22%
Kampong Chhnang	7,528	2,782	36.96%	480	6.38%
Kampong Speue	5,743	1,424	24.80%	130	2.26%
Kampong Thum	4,320	995	23.03%	124	2.87%
Kampot	4,776	3,426	71.73%	60	1.26%
Kandal	11,622	1,028	8.85%	300	2.58%
Kaoh Kong	852	339	39.79%	49	5.75%
Kracheh	1,372	692	50.44%	0	0.00%
Mondul Kiri	189	1	0.53%	78	41.27%
Phnom Penh	6,255	54	0.86%	18	0.29%
Preah Vihear	444	108	24.32%	4	0.90%
Prey Veang	9,357	1,092	11.67%	564	6.03%
Pousat	7,203	2,206	30.63%	81	1.12%
Rotanak Kiri	539	81	15.03%	57	10.58%
Siem Reap	12,259	873	7.12%	258	2.10%
Krong P. Sihanouk	1,690	110	6.51%	8	0.47%
Stueng Traeng	963	376	39.04%	37	3.84%
Svay Rieng	6,818	1,437	21.08%	278	4.08%
Takaev	11,025	1,672	15.17%	421	3.82%
Otdar Meanchey	1,348	145	10.76%	52	3.86%
Krong Kaeb	93	0	0.00%	0	0.00%
Krong Pailin	375	91	24.27%	35	9.33%
<b>Total :</b>	<b>210,591</b>	<b>25,651</b>	<b>12.18%</b>	<b>4,487</b>	<b>2.13%</b>

### 2.5.4 Number and percentage of risk pregnancies and referred case to national hospital

Facility Name	2 nd	Risk Pregnancies		Referred to Hospital	
	Antenatal Consult.	Number	%	Number	%
MCH	4,698	257	5.47%	0	0.00%
Kuntha Bopha	0	0	#DIV/0!		
NPH	0	0	#DIV/0!		
Calmette	1,887	263	13.94%	0	0.00%
Kossamak	56	0	0.00%	0	0.00%
Norodom	82	0	0.00%	0	0.00%
CENAT	0	0	#DIV/0!		
Ang Doung	0	0	#DIV/0!		
<b>Total</b>	<b>6,723</b>	<b>520</b>	<b>7.73%</b>	<b>0</b>	<b>0.00%</b>



## 2.6 Delivery Activities

### 2.6.1 Home deliveries, Health Center deliveries and Hospital deliveries

Province	Deliveries at Homme		Deliveries at HC		Hospital Deliveries		Total	% **
	#	% **	#	% **	#	% **	Deliveries	Deliveries
Banteay MeanChey	4,526	18.29%	829	3.35%	640	2.59%	5,995	24.23%
Bat Dambang	6,464	19.49%	429	1.29%	2285	6.89%	9,178	27.68%
Kampong Cham	1,064	1.67%	902	1.42%	2216	3.48%	4,182	6.57%
Kampong Chhnang	677	4.04%	420	2.50%	815	4.86%	1,912	11.40%
Kampong Speue	814	3.17%	361	1.40%	417	1.62%	1,592	6.19%
Kampong Thum	1,856	7.95%	198	0.85%	592	2.54%	2,646	11.34%
Kampot	3,707	16.76%	120	0.54%	846	3.83%	4,673	21.13%
Kandal	12,209	27.85%	4788	10.92%	964	2.20%	17,961	40.98%
Kaoh Kong	313	5.80%	155	2.87%	321	5.95%	789	14.62%
Kracheh	944	8.47%	102	0.92%	369	3.31%	1,415	12.70%
Mondulkiri	166	9.70%	3	0.18%	88	5.14%	257	15.02%
Phnom Penh	4,323	10.83%	3988	9.99%	847	2.12%	9,158	22.95%
Preah Vihear	421	8.05%	29	0.55%	61	1.17%	511	9.77%
Prey Veang	4,201	10.51%	506	1.27%	822	2.06%	5,529	13.83%
Pousat	1,805	12.24%	388	2.63%	453	3.07%	2,646	17.94%
Rotanak Kiri	480	12.17%	140	3.55%	253	6.41%	873	22.13%
Siem Reap	6,285	21.01%	1279	4.28%	563	1.88%	8,127	27.17%
Krong P. Sihanouk	92	1.49%	92	1.49%	564	9.12%	748	12.09%
Stueng Traeng	49	1.41%	9	0.26%	160	4.61%	218	6.28%
Svay Rieng	2,179	10.63%	94	0.46%	468	2.28%	2,741	13.37%
Takaev	4,577	13.47%	1344	3.95%	1703	5.01%	7,624	22.43%
Otdar Meanchey	499	9.92%	246	4.89%	184	3.66%	929	18.47%
Krong Kaeb	37	3.01%	0	0.00%	104	8.46%	141	11.47%
Krong Pailin	249	15.59%	49	3.07%	100	6.26%	398	24.91%
MCH					5842	#REF!	5,842	#REF!
Kuntha Bopha					0	#REF!	0	#REF!
NPH					0	#REF!	0	#REF!
Calmette					1407	#REF!	1,407	#REF!
Kossamak					0	#REF!	0	#REF!
Norodom					346	#REF!	346	#REF!
CENAT					0	#REF!	0	#REF!
Ang Doung					0	#REF!	0	#REF!
<b>Total :</b>	<b>57,937</b>	<b>12.14%</b>	<b>16,471</b>	<b>3.45%</b>	<b>23,430</b>	<b>4.91%</b>	<b>97,838</b>	<b>20.50%</b>

2.6.2 Problem related to deliveries (Still birth, dystocie, cesarean section, maternal death)

Province	Total	Still births		Neonatal Deaths		Dystocic Deliveries		Cesarean		Maternal Deaths	
	Deliveries	#	%	#	%	#	%	#	%	#	%
Banteay Meanchey	5,995	296	4.94%	194	3.24%	48	0.80%	43	0.72%	6	0.10%
Bat Dambang	9,178	89	0.97%	48	0.52%	16	0.17%	187	2.04%	20	0.22%
Kampong Cham	4,182	206	4.93%	93	2.22%	372	8.90%	159	3.80%	15	0.36%
Kampong Chhnang	1,912	73	3.82%	45	2.35%	3	0.16%	90	4.71%	12	0.63%
Kampong Speu	1,592	21	1.32%	6	0.38%	4	0.25%	47	2.95%	2	0.13%
Kampong Thum	2,646	90	3.40%	54	2.04%	319	12.06%	74	2.80%	3	0.11%
Kampot	4,673	43	0.92%	17	0.36%	210	4.49%	41	0.88%	3	0.06%
Kandal	17,961	40	0.22%	28	0.16%	31	0.17%	25	0.14%	4	0.02%
Kaoh Kong	789	122	15.46%	4	0.51%	0	0.00%	6	0.76%	0	0.00%
Kracheh	1,415	22	1.55%	20	1.41%	6	0.42%	55	3.89%	3	0.21%
Mondulkiri	257	2	0.78%	0	0.00%	51	19.84%	4	1.56%	1	0.39%
Phnom Penh	9,158	18	0.20%	10	0.11%	441	4.82%	45	0.49%	3	0.03%
Preah Vihear	511	10	1.96%	8	1.57%	8	1.57%	4	0.78%	3	0.59%
Prey Veang	5,529	66	1.19%	34	0.61%	19	0.34%	88	1.59%	28	0.51%
Poulat	2,646	88	3.33%	36	1.36%	5	0.19%	50	1.89%	1	0.04%
Rotanak Kiri	873	1	0.11%	0	0.00%	3	0.34%	5	0.57%	3	0.34%
Siem Reap	8,127	64	0.79%	22	0.27%	683	8.40%	28	0.34%	6	0.07%
Krong P. Sihanouk	748	112	14.97%	2	0.27%	0	0.00%	50	6.68%	0	0.00%
Sueng Traeng	218	12	5.50%	21	9.63%	16	7.34%	11	5.05%	4	1.83%
Svay Rieng	2,741	82	2.99%	32	1.17%	25	0.91%	41	1.50%	11	0.40%
Takeo	7,624	65	0.85%	38	0.50%	31	0.41%	139	1.82%	2	0.03%
Oddar Meanchey	929	15	1.61%	104	11.19%	12	1.29%	31	3.34%	4	0.43%
Krong Kaeb	141	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Krong Palim	398	12	3.02%	4	1.01%	49	12.31%	0	0.00%	0	0.00%
MCH	5,842	193	3.30%	82	1.40%	0	0.00%	580	9.93%	22	0.38%
Kantha Bopha	0	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!
NPH	0	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!
Calmette	1,407	50	3.55%	4	0.28%	11	0.78%	305	21.68%	0	0.00%
Kossamak	0	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!
Norodom	346	3	0.87%	1	0.29%	14	4.05%	35	10.12%	0	0.00%
CENAT	0	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!
Ang Doung	0	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!
<b>Total :</b>	<b>97,838</b>	<b>1,795</b>	<b>1.83%</b>	<b>907</b>	<b>0.93%</b>	<b>2,377</b>	<b>2.43%</b>	<b>2,143</b>	<b>2.19%</b>	<b>156</b>	<b>0.16%</b>

## 2.7 Birth Spacing

### Current user by Method

Province	Pills		IUD		Injections		Condoms		Grand Total	Target	Average Rate
	Current user	Coverage	Current user	Coverage	Current user	Coverage	Current user	Coverage			
Banteay Meanchey	11,394	45.1%	96	0.4%	12,925	51.1%	867	3.4%	25,282	104,187	24.27%
Bat Dambang	11,906	54.9%	428	2.0%	8,604	39.7%	740	3.4%	21,678	139,630	15.53%
Kampong Cham	16,873	42.8%	920	2.3%	19,127	48.5%	2,481	6.3%	39,401	268,041	14.70%
Kampong Chhnang	3,897	43.2%	69	0.8%	4,512	50.0%	547	6.1%	9,025	70,602	12.78%
Kampong Speu	8,935	62.3%	36	0.3%	5,282	36.8%	83	0.6%	14,336	108,259	13.24%
Kampong Thum	12,514	53.1%	34	0.1%	10,460	44.4%	543	2.3%	23,551	98,261	23.97%
Kampot	13,113	63.7%	466	2.3%	6,678	32.5%	319	1.6%	20,576	93,123	22.10%
Kandal	20,300	50.4%	290	0.7%	18,198	45.2%	1,458	3.6%	40,246	184,553	21.81%
Kaoh Kong	593	42.9%	0	0.0%	748	54.1%	42	3.0%	1,383	22,722	6.09%
Kracheh	817	41.5%	22	1.1%	1,006	51.1%	125	6.3%	1,970	46,916	4.20%
Monduliri	678	57.1%	24	2.0%	439	37.0%	47	4.0%	1,188	7,205	16.49%
Phnom Penh	821	65.0%	99	7.8%	269	21.3%	75	5.9%	1,264	168,034	0.75%
Preah Vihear	793	36.8%	14	0.7%	1,130	52.5%	215	10.0%	2,152	22,022	9.77%
Prey Veaeng	11,881	41.1%	279	1.0%	15,930	55.2%	794	2.7%	28,884	168,287	17.16%
Poulat	2,157	23.6%	377	4.1%	5,292	57.8%	1,330	14.5%	9,156	62,088	14.75%
Rotanak Kiri	377	41.0%	10	1.1%	503	54.7%	30	3.3%	920	16,609	5.54%
Siem Reap	9,255	49.7%	660	3.5%	8,126	43.6%	585	3.1%	18,626	125,962	14.79%
Krong P. Sihanouk	4,636	62.8%	326	4.4%	2,326	31.5%	99	1.3%	7,387	26,050	28.36%
Sueng Traeng	857	37.5%	12	0.5%	1,393	60.9%	24	1.0%	2,286	14,613	15.64%
Svay Rieng	7,373	50.2%	42	0.3%	7,045	47.9%	234	1.6%	14,694	86,302	17.03%
Takaev	13,272	56.6%	180	0.8%	9,516	40.6%	482	2.1%	23,450	143,088	16.39%
Oddar Meanchey	1,246	44.7%	68	2.4%	1,415	50.8%	57	2.0%	2,786	21,179	13.15%
Krong Kaeb	226	62.8%	0	0.0%	124	34.4%	10	2.8%	360	5,174	6.96%
Krong Palin	96	35.2%	17	6.2%	149	54.6%	11	4.0%	273	6,727	4.06%
MCH	299	39.8%	380	50.5%	56	7.4%	17	2.3%	752		
<b>Total</b>	<b>54,784</b>	<b>5.95%</b>	<b>2,510</b>	<b>0.27%</b>	<b>54,719</b>	<b>5.9%</b>	<b>4,135</b>	<b>0.45%</b>	<b>116,148</b>	<b>920,255</b>	<b>12.62%</b>

## 2.8 Expanded program of Immunization

### 2.8.1 Immunization coverage for children 1 year of age by province

Province	# of session			Target		BCG			Polio			PAB			DPT			Measles		Drop - out Rate	
	Planned	Executed	%	Pop	Doses	%	1	2	3	%	#	%	1	2	3	%	Doses	%	BCG/Measle	Polio 1 -3	DPPT
Banteay Mean Chey	8,457	8,152	96.39%	21,583	18,206	84%	18,089	17,782	17,362	80%	12,832	71%	17,818	17,793	16,258	75%	16,524	77%	9.0%	4.0%	9%
Bat Dambang	10,185	9,994	98.12%	29,410	23,994	82%	25,021	22,234	21,077	72%	14,472	58%	22,883	22,228	21,115	72%	20,695	70%	14.0%	16.0%	8%
Kampong Cham	24,697	23,934	96.91%	53,735	37,759	70%	41,905	34,824	32,914	61%	26,118	62%	36,509	34,677	33,151	62%	31,518	59%	17.0%	21.0%	9%
Kampong Chhnang	8,621	8,191	95.01%	14,583	12,262	84%	11,722	11,563	10,766	74%	9,330	80%	11,683	11,472	11,067	76%	10,532	72%	14.0%	8.0%	5%
Kampong Speu	14,687	13,034	88.75%	22,361	19,487	87%	18,307	17,088	15,835	71%	11,206	61%	18,761	17,037	16,235	73%	14,920	67%	23.0%	14.0%	13%
Kampong Thum	8,645	7,475	86.47%	19,808	15,725	79%	15,000	14,127	12,380	63%	10,459	70%	15,131	14,231	12,844	65%	12,402	63%	21.0%	17.0%	15%
Kampot	8,520	8,120	95.31%	19,196	13,660	71%	12,913	12,487	11,797	61%	10,053	78%	12,973	15,484	11,745	61%	11,193	58%	18.0%	9.0%	9%
Kandal	20,974	20,405	97.29%	39,148	28,708	73%	28,730	31,804	28,498	68%	21,241	74%	28,320	27,134	28,691	68%	25,429	65%	11.0%	8.0%	6%
Kaoh Kong	987	635	65.67%	4,105	2,485	61%	2,539	1,788	1,370	33%	1,139	45%	2,307	1,731	1,338	33%	1,670	41%	33.0%	46.0%	42%
Kracheh	3,186	2,633	82.64%	9,829	6,789	69%	5,361	4,312	3,666	37%	3,702	69%	5,818	5,047	4,150	42%	4,065	41%	40.0%	32.0%	29%
Mondulkin	461	221	47.94%	1,371	559	41%	425	381	269	20%	273	64%	436	369	274	20%	335	24%	40.0%	37.0%	37%
Phnom Penh	17,986	17,551	97.58%	33,863	29,049	86%	29,998	27,573	26,426	78%	26,435	88%	29,913	27,448	26,054	77%	22,573	67%	22.0%	12.0%	13%
Preah Vihear	1,155	665	57.58%	4,242	2,517	59%	2,359	1,570	1,214	29%	1,512	64%	2,344	1,499	1,149	27%	1,501	35%	40.0%	49.0%	51%
Prey Veaeng	13,457	12,326	91.60%	34,879	24,782	71%	24,061	21,882	21,123	61%	15,964	66%	23,566	21,624	19,916	57%	20,662	59%	17.0%	12.0%	15%
Pousat	5,687	5,471	96.20%	12,873	10,276	80%	10,347	9,747	9,474	74%	8,450	82%	10,191	9,654	9,457	73%	9,315	72%	9.0%	8.0%	7%
Rotanak Kiri	1,397	1,201	85.97%	3,444	3,797	110%	3,337	2,707	2,331	68%	0	0%	3,137	2,609	2,267	66%	2,288	66%	40.0%	30.0%	28%
Siem Reap	13,252	12,498	94.31%	26,117	23,174	89%	21,432	21,357	20,038	77%	15,682	73%	22,027	22,405	21,236	81%	20,759	79%	10.0%	7.0%	4%
Krong P. Sihanouk	1,466	1,361	92.31%	5,270	3,539	67%	3,304	2,888	2,521	48%	1,860	56%	3,706	3,115	2,828	54%	2,811	53%	21.0%	24.0%	24%
Sittoung Traeng	2,100	1,978	94.19%	2,795	2,775	99%	2,609	2,427	2,096	75%	2,115	81%	2,609	2,427	2,096	75%	1,962	70%	29.0%	20.0%	20%
Svay Rieng	7,939	7,447	93.80%	16,695	13,088	79%	13,077	12,331	11,840	71%	10,874	83%	12,538	12,286	11,738	70%	11,282	68%	14.0%	9.0%	6%
Takeo	12,385	12,089	97.53%	29,784	21,312	72%	20,415	19,653	19,732	66%	16,317	80%	20,305	19,699	19,659	66%	19,633	66%	8.0%	3.0%	3%
Oddar Meanchey	2,289	1,667	73.0%	4,391	3,575	81%	3,684	3,027	2,634	60%	1,846	50%	3,471	3,132	2,740	62%	2,446	56%	32.0%	29.0%	21%
Krong Kaeb	221	227	102.71%	1,047	750	72%	690	703	695	66%	457	66%	690	696	699	66%	603	58%	20.0%	-1.0%	0%
Krong Palim	307	197	64.17%	1,462	513	35%	414	348	457	31%	376	91%	442	394	412	28%	442	30%	14.0%	-10.0%	7%
Total :	167,605	177,482	105.89%	411,252	318,761	78%	315,720	294,575	274,518	67%	222,713	71%	307,588	294,191	275,109	67%	265,540	65%	17.0%	13.0%	11.0%

2.8.2 Tetanus toxoid coverage of women of child bearing age and pregnant women by province

#	Provinces	Child Bearing age	Pregnant Women	TT		II		III		IV		V		TT2+				
				I	CBA	PW	CBA	PW	CBA	PW	CBA	PW	%	CBA	%			
1	Banteay Meanchey	139,654	24,122	11,03	28,16	9,651	22,53	40,0%	2,521	15,25	1,138	73	443	80	13,75	57,0%	379,4	27,0%
2	Battambang	190,301	32,870	13,35	24,44	10,23	17,11	31,0%	2,479	11,94	1,254	0	618	0	14,58	44,0%	29,06	15,0%
3	Kampong Cham	347,700	60,057	22,78	34,66	18,57	24,13	31,0%	3,204	10,29	1,112	3,372	347	829	23,24	39,0%	38,63	11,0%
4	Kampong Chhnang	94,360	16,299	7,152	14,72	5,787	11,52	36,0%	1,633	8,236	719	0	61	0	8,200	50,0%	19,76	21,0%
5	Kampong Speu	144,688	24,992	10,22	24,96	6,438	14,14	26,0%	1,130	4,711	241	1,101	91	405	7,900	32,0%	20,36	14,0%
6	Kampong Thum	128,170	22,139	5,382	11,45	4,349	9,621	20,0%	1,410	8,791	553	232	119	16	6,431	29,0%	18,66	15,0%
7	Kampot	124,209	21,454	6,494	63,22	5,352	35,28	25,0%	1,455	8,767	813	293	90	76	7,710	36,0%	44,42	36,0%
8	Kandal	253,311	43,754	15,84	19,41	12,30	13,82	28,0%	2,743	11,98	1,194	29	420	19	16,66	38,0%	25,85	10,0%
9	Koh Kong	25,561	4,588	1,514	3,796	906	2,778	20,0%	258	1,714	207	537	27	109	1,398	30,0%	5,138	19,0%
10	Kracheh	63,598	10,985	2,455	7,481	2,590	12,08	24,0%	980	7,584	522	334	16	154	4,108	37,0%	20,16	32,0%
11	Monulokiri	8,871	1,532	90	222	110	288	7,0%	97	555	121	0	32	0	360	23,0%	843	10,0%
12	Phnom Penh	219,115	37,847	19,49	19,01	12,93	15,23	34,0%	8,278	11,05	4,889	4,048	2,360	2,437	28,46	75,0%	32,77	15,0%
13	Preah Vihear	27,447	4,741	1,203	12,30	1,524	15,45	32,0%	924	9,425	314	1,935	89	522	2,851	60,0%	27,33	100,0%
14	Prey Veang	225,687	38,982	19,24	40,62	13,78	22,90	35,0%	1,478	9,819	225	0	45	0	15,53	40,0%	32,72	15,0%
15	Poulat	83,296	14,388	5,479	9,386	4,437	8,212	31,0%	1,524	8,379	560	1,163	132	414	6,653	46,0%	18,16	22,0%
16	Ratanak Kiri	22,283	3,849	712	2,952	808	3,583	21,0%	504	2,432	341	345	245	0	1,898	49,0%	6,360	29,0%
17	Stem Reap	168,990	29,189	13,48	47,36	10,99	27,10	38,0%	2,884	20,06	1,217	0	245	0	15,34	53,0%	47,16	28,0%
18	Krong P. Shanouk	34,100	5,890	1,561	3,988	944	2,330	16,0%	450	1,961	202	597	29	155	1,625	28,0%	5,043	15,0%
19	Stueng Treang	18,085	3,124	564	1,717	580	1,949	19,0%	305	1,443	116	423	51	122	1,052	34,0%	3,937	22,0%
20	Svay Rieng	107,830	18,625	10,72	15,79	8,992	9,881	48,0%	2,079	4,361	640	888	256	319	11,96	64,0%	15,44	14,0%
21	Takaev	192,722	33,288	14,45	26,04	11,62	19,35	35,0%	2,062	9,321	617	3,182	82	483	14,38	43,0%	32,33	17,0%
22	Oudor Meanchey	29,414	4,908	1,735	5,453	1,256	4,508	26,0%	635	3,723	175	1,026	29	257	2,095	43,0%	9,514	33,0%
23	Krong Kaeb	6,774	1,170	588	1,445	485	1,038	41,0%	100	328	39	6	0	0	624	53,0%	1,372	20,0%
24	Krong Pallin	9,461	1,634	364	4,479	261	7,277	16,0%	160	1,379	63	33	24	19	508	31,0%	8,708	92,0%
	Total	2,665,627	460,427	35,293	40,919	54,470	51,465	31,0%	39,293	92,929	17,272	19,617	5,851	6,416	53,413	45,0%	19,594	19,0%

## 2.9 Hospital activities

### 2.9.1 Number and type of Hospital discharges by province

<b>Banteay Meanchey</b>										
District	Beds	Auth. Disch		Transferred		UnAuth. Disch		Deaths		Tot. Disch
		#	%	#	%	#	%	#	%	
Monkul Borei	347	7,450	93.06%	23	0.29%	300	3.75%	233	2.91%	8,006
Preah Net Preah	51	935	89.13%	7	0.67%	92	8.77%	15	1.43%	1,049
Tmar Purk	55	2,669	90.05%	41	1.38%	169	5.70%	85	2.87%	2,964
Total	453	11,054	91.97%	71	0.59%	561	4.67%	333	2.77%	12,019
<b>Battambang</b>										
District	Beds	Auth. Disch		Transferred		UnAuth. Disch		Deaths		Tot. Disch
		#	%	#	%	#	%	#	%	
Battang Bang	375	7,684	89.44%	334	3.89%	280	3.26%	293	3.41%	8,591
Mong Rossey	64	2,261	91.58%	40	1.62%	79	3.20%	89	3.60%	2,469
Sampov Loun	80	2,445	96.37%	8	0.32%	53	2.09%	31	1.22%	2,537
Thmar Koul	71	1,435	89.74%	11	0.69%	125	7.82%	28	1.75%	1,599
Total	590	13,825	90.98%	393	2.59%	537	3.53%	441	2.90%	15,196
<b>Kampong Cham</b>										
District	Beds	Auth. Disch		Transferred		UnAuth. Disch		Deaths		Tot. Disch
		#	%	#	%	#	%	#	%	
Chankar Leu	35	1,742	95.87%	0	0.00%	51	2.81%	24	1.32%	1,817
Choeng Prey	60	2,321	88.66%	0	0.00%	256	9.78%	41	1.57%	2,618
Kampong Cham	210	6,500	91.13%	207	2.90%	218	3.06%	208	2.92%	7,133
Kroch Chmar	50	1,738	92.25%	20	1.06%	107	5.68%	19	1.01%	1,884
Memut	50	3,712	95.13%	69	1.77%	80	2.05%	41	1.05%	3,902
O Reang Ov	35	1,111	94.07%	9	0.76%	45	3.81%	16	1.35%	1,181
Ponhea Krek	35	944	91.65%	4	0.39%	61	5.92%	21	2.04%	1,030
Prey Chhor	45	1,231	88.95%	0	0.00%	132	9.54%	21	1.52%	1,384
Srei Santhor	45	1,968	86.58%	0	0.00%	295	12.98%	10	0.44%	2,273
Tbong Khnum	50	1,609	93.93%	6	0.35%	57	3.33%	41	2.39%	1,713
Total	615	22,876	91.74%	315	1.26%	1,302	5.22%	442	1.77%	24,935
<b>Kampong Chhnang</b>										
District	Beds	Auth. Disch		Transferred		UnAuth. Disch		Deaths		Tot. Disch
		#	%	#	%	#	%	#	%	
Kg. Chhnang	195	4,006	96.60%	0	0.00%	81	1.95%	60	1.45%	4,147
Kg. Tralach	20	844	80.69%	19	1.82%	172	16.44%	11	1.05%	1,046
Total	215	4,850	93.39%	19	0.37%	253	4.87%	71	1.37%	5,193
<b>Kampong Speu</b>										
District	Beds	Auth. Disch		Transferred		UnAuth. Disch		Deaths		Tot. Disch
		#	%	#	%	#	%	#	%	
Kampong Speu	102	3,229	94.78%	5	0.15%	64	1.88%	109	3.20%	3,407
Korng Psey	23	2,391	99.63%	0	0.00%	9	0.38%	0	0.00%	2,400
Oudong	40	1,579	91.27%	33	1.91%	114	6.59%	4	0.23%	1,730
Total	165	7,199	95.52%	38	0.50%	187	2.48%	113	1.50%	7,537
<b>Kampong Thom</b>										
District	Beds	Auth. Disch		Transferred		UnAuth. Disch		Deaths		Tot. Disch
		#	%	#	%	#	%	#	%	
Kampong Thom	69	1,632	90.27%	38	2.10%	107	5.92%	31	1.71%	1,808
Barai	191	6,253	95.52%	48	0.73%	170	2.60%	75	1.15%	6,546
Stung	60	1,938	97.09%	0	0.00%	2	0.10%	56	2.81%	1,996
Total	320	9,823	94.91%	86	0.83%	279	2.70%	162	1.57%	10,350

<b>Preah Vihear</b>										
District	Beds	Auth. Disch		Transferred		UnAuth. Disch		Deaths		Tot. Disch
		#	%	#	%	#	%	#	%	
Tbeng Meanchey	135	3,822	95.17%	44	1.10%	76	1.89%	74	1.84%	4,016
Total	135	3,822	95.17%	44	1.10%	76	1.89%	74	1.84%	4,016
<b>Prey Veang</b>										
District	Beds	Auth. Disch		Transferred		UnAuth. Disch		Deaths		Tot. Disch
		#	%	#	%	#	%	#	%	
Kamchay Mear	34	631	99.53%	0	0.00%	1	0.16%	2	0.32%	634
Kampong Trabek	50	851	91.41%	13	1.40%	54	5.80%	13	1.40%	931
Mesang	25	494	92.51%	1	0.19%	37	6.93%	2	0.37%	534
Neak Loung	106	2,609	97.42%	1	0.04%	51	1.90%	17	0.63%	2,678
Peareang	100	2,279	95.60%	4	0.17%	89	3.73%	12	0.50%	2,384
Preah Stach	26	298	94.90%	2	0.64%	12	3.82%	2	0.64%	314
Prey Veng	103	1,372	97.17%	0	0.00%	19	1.35%	21	1.49%	1,412
Total	444	8,534	96.03%	21	0.24%	263	2.96%	69	0.78%	8,887
<b>Pousat</b>										
District	Beds	Auth. Disch		Transferred		UnAuth. Disch		Deaths		Tot. Disch
		#	%	#	%	#	%	#	%	
Bakan	46	756	72.69%	59	5.67%	173	16.63%	52	5.00%	1,040
Sampov Meas	221	4,408	88.39%	176	3.53%	134	2.69%	269	5.39%	4,987
Total	267	5,164	85.68%	235	3.90%	307	5.09%	321	5.33%	6,027
<b>Rattanakiri</b>										
District	Beds	Auth. Disch		Transferred		UnAuth. Disch		Deaths		Tot. Disch
		#	%	#	%	#	%	#	%	
Ban Long	126	2,452	88.84%	84	3.04%	202	7.32%	22	0.80%	2,760
Total	126	2,452	88.84%	84	3.04%	202	7.32%	22	0.80%	2,760
<b>Siem Reap</b>										
District	Beds	Auth. Disch		Transferred		UnAuth. Disch		Deaths		Tot. Disch
		#	%	#	%	#	%	#	%	
Kralanh	47	1,448	93.84%	6	0.39%	75	4.86%	14	0.91%	1,543
Siem Reap	242	4,535	95.25%	22	0.46%	72	1.51%	132	2.77%	4,761
Soth Nikum	100	3,819	91.85%	19	0.46%	218	5.24%	102	2.45%	4,158
Total	389	9,802	93.69%	47	0.45%	365	3.49%	248	2.37%	10,462
<b>Sihanouk Ville</b>										
District	Beds	Auth. Disch		Transferred		UnAuth. Disch		Deaths		Tot. Disch
		#	%	#	%	#	%	#	%	
Sihanouk Ville	62	2,569	93.32%	59	2.14%	2	0.07%	123	4.47%	2,753
Total	62	2,569	93.32%	59	2.14%	2	0.07%	123	4.47%	2,753
<b>Stung Treng</b>										
District	Beds	Auth. Disch		Transferred		UnAuth. Disch		Deaths		Tot. Disch
		#	%	#	%	#	%	#	%	
Stung Treng	107	2,650	93.67%	59	2.09%	59	2.09%	61	2.16%	2,829
Total	107	2,650	93.67%	59	2.09%	59	2.09%	61	2.16%	2,829

<b>Kampot</b>										
Disrict	Beds	Auth.Disch		Transferred		UnAuth.Disch		Deaths		Tot.Disch
		#	%	#	%	#	%	#	%	
Angkor Chey	40	375	98.43%	1	0.26%	5	1.31%	0	0.00%	381
Chhouk	108	2,424	93.55%	0	0.00%	148	5.71%	19	0.73%	2,591
Kanpong Trach	36	924	95.55%	10	1.03%	15	1.55%	18	1.86%	967
Kampot	125	2,456	96.39%	18	0.71%	3	0.12%	71	2.79%	2,548
Total	309	6,179	95.25%	29	0.45%	171	2.64%	108	1.66%	6,487
<b>Kandal</b>										
Disrict	Beds	Auth.Disch		Transferred		UnAuth.Disch		Deaths		Tot.Disch
		#	%	#	%	#	%	#	%	
Ang Snoul	15	65	100.00%	0	0.00%	0	0.00%	0	0.00%	65
Kean Svay	95	3,448	97.48%	0	0.00%	86	2.43%	3	0.08%	3,537
Khsach Kandal	30	1,589	87.02%	161	8.82%	65	3.56%	11	0.60%	1,826
Koh Thom	42	1,820	95.34%	1	0.05%	74	3.88%	14	0.73%	1,909
Muk Kam Poul	22	1,277	97.41%	5	0.38%	29	2.21%	0	0.00%	1,311
Ponhea Leu	25	1,472	96.46%	0	0.00%	54	3.54%	0	0.00%	1,526
Saang	52	1,542	87.56%	25	1.42%	190	10.79%	4	0.23%	1,761
Takhmao	150	3,262	95.91%	21	0.62%	69	2.03%	49	1.44%	3,401
Total	431	14,475	94.39%	213	1.39%	567	3.70%	81	0.53%	15,336
<b>Koh Kong</b>										
Disrict	Beds	Auth.Disch		Transferred		UnAuth.Disch		Deaths		Tot.Disch
		#	%	#	%	#	%	#	%	
Smach Meanchey	25	994	92.72%	10	0.93%	31	2.89%	37	3.45%	1,072
Sre Ambel	12	155	91.72%	1	0.59%	9	5.33%	4	2.37%	169
Total	37	1,149	92.59%	11	0.89%	40	3.22%	41	3.30%	1,241
<b>Kracheh</b>										
Disrict	Beds	Auth.Disch		Transferred		UnAuth.Disch		Deaths		Tot.Disch
		#	%	#	%	#	%	#	%	
Chhlong	80	2,706	94.25%	77	2.68%	58	2.02%	30	1.04%	2,871
Kratie	146	3,324	94.46%	0	0.00%	48	1.36%	147	4.18%	3,519
Total	226	6,030	94.37%	77	1.21%	106	1.66%	177	2.77%	6,390
<b>Monduliri</b>										
Disrict	Beds	Auth.Disch		Transferred		UnAuth.Disch		Deaths		Tot.Disch
		#	%	#	%	#	%	#	%	
Sen Monorum	55	1,371	88.22%	73	4.70%	97	6.24%	13	0.84%	1,554
Total	55	1,371	88.22%	73	4.70%	97	6.24%	13	0.84%	1,554
<b>Phnom Penh</b>										
Disrict	Beds	Auth.Disch		Transferred		UnAuth.Disch		Deaths		Tot.Disch
		#	%	#	%	#	%	#	%	
Cheung	40	1,673	99.94%	0	0.00%	1	0.06%	0	0.00%	1,674
Kandal	193	3,446	95.54%	67	1.86%	78	2.16%	16	0.44%	3,607
Lech	37	1,238	94.65%	0	0.00%	70	5.35%	0	0.00%	1,308
Tbong	65	2,441	100.00%	0	0.00%	0	0.00%	0	0.00%	2,441
Total	65	8,798	97.43%	67	0.74%	149	1.65%	16	0.18%	9,030



<b>Svay Rieng</b>										
Disrict	Beds	Auth.Disch		Transferred		UnAuth.Disch		Deaths		Tot.Disch
		#	%	#	%	#	%	#	%	
Chi Phou	50	457	76.55%	72	12.06%	68	11.39%	0	0.00%	597
Romeas Hek	32	903	90.48%	77	7.72%	2	0.20%	16	1.60%	998
Svay Rieng	167	3,034	97.90%	3	0.10%	0	0.00%	62	2.00%	3,099
Total	249	4,394	93.61%	152	3.24%	70	1.49%	78	1.66%	4,694
<b>Takeo</b>										
Disrict	Beds	Auth.Disch		Transferred		UnAuth.Disch		Deaths		Tot.Disch
		#	%	#	%	#	%	#	%	
Ang Rokar	30	1,944	95.39%	13	0.64%	75	3.68%	6	0.29%	2,038
Bati	64	671	93.98%	7	0.98%	31	4.34%	5	0.70%	714
Daun Keo	169	6,397	94.85%	128	1.90%	19	0.28%	200	2.97%	6,744
Kirivong	97	4,627	95.05%	102	2.10%	85	1.75%	54	1.11%	4,868
Prey Kabass	35	715	99.31%	0	0.00%	5	0.69%	0	0.00%	720
Total	395	14,354	95.16%	250	1.66%	215	1.43%	265	1.76%	15,084
<b>Outdar Meanchey</b>										
Disrict	Beds	Auth.Disch		Transferred		UnAuth.Disch		Deaths		Tot.Disch
		#	%	#	%	#	%	#	%	
Samrong	109	3,163	88.11%	123	3.43%	194	5.40%	110	3.06%	3,590
Total	109	3,163	88.11%	123	3.43%	194	5.40%	110	3.06%	3,590
<b>Kep Ville</b>										
Disrict	Beds	Auth.Disch		Transferred		UnAuth.Disch		Deaths		Tot.Disch
		#	%	#	%	#	%	#	%	
Kep Ville	20	630	98.44%	8	1.25%	0	0.00%	2	0.31%	640
Total	20	630	98.44%	8	1.25%	0	0.00%	2	0.31%	640
<b>Pailin</b>										
Disrict	Beds	Auth.Disch		Transferred		UnAuth.Disch		Deaths		Tot.Disch
		#	%	#	%	#	%	#	%	
Krong Pailin	55	1,582	91.02%	39	2.24%	75	4.32%	42	2.42%	1,738
Total	55	1,582	91.02%	39	2.24%	75	4.32%	42	2.42%	1,738
<b>National Hospital</b>										
National Hospital	Beds	Auth.Disch		Transferred		UnAuth.Disch		Deaths		Tot.Disch
		#	%	#	%	#	%	#	%	
MCH	154	8,440	97.08%	56	0.64%	37	0.43%	161	1.85%	8,694
Kuntha Bopha	359	26,373	96.28%	94	0.34%	14	0.05%	910	3.32%	27,391
NPH	114	5,967	98.03%	23	0.38%	3	0.05%	94	1.54%	6,087
Callmette	256	20,932	93.55%	85	0.38%	0	0.00%	1358	6.07%	22,375
Kossamak	250	2,524	92.90%	111	4.09%	0	0.00%	82	3.02%	2,717
Norodom	150	2,925	95.40%	0	0.00%	0	0.00%	141	4.60%	3,066
Ang Doung	80	1,107	98.93%	5	0.45%	6	0.54%	1	0.09%	1,119
CENAT	70	107	91.45%	4	3.42%	2	1.71%	4	3.42%	117
Total	1,433	68,375	95.54%	378	0.53%	62	0.09%	2,751	3.84%	71,566

## 2.9.2 Main hospital indicator by province

<b>Banteay Mean Chey</b>						
District	Beds	Total Discharges	EHD	ALS	BOR	Hosp.Mort.Rate
Monkul Borei	347	8,006	66,528	8	52.5%	2.91%
Preah Net Preah	51	1,049	5,216	5	28.0%	1.43%
Thmar Fouk	55	2,964	19,344	7	96.4%	2.87%
Total	453	12,019	91,088	8	55.1%	2.77%
<b>Bat Dambang</b>						
District	Beds	Total Discharges	EHD	ALS	BOR	Hosp.Mort.Rate
Battang Bang	375	8,591	51,993	6	38.0%	3.41%
Mong Rossey	64	2,469	17,191	7	73.6%	3.60%
Sampov Loun	80	2,537	14,298	6	49.0%	1.22%
Thmar Koul	71	1,599	10,589	7	40.9%	1.75%
Total	590	15,196	94,071	6	43.7%	2.90%
<b>Kampong Cham</b>						
District	Beds	Total Discharges	EHD	ALS	BOR	Hosp.Mort.Rate
Chamkar Leu	35	1,817	7,457	4	58.4%	1.32%
Choeng Prey	60	2,618	13,888	5	63.4%	1.57%
Kampong Cham	210	7,133	45,193	6	59.0%	2.92%
Kroch Chmar	50	1,884	13,126	7	71.9%	1.01%
Menut	50	3,902	23,403	6	128.2%	1.05%
O Reang Ov	35	1,181	6,559	6	51.3%	1.35%
Ponhea Krek	35	1,030	7,198	7	56.3%	2.04%
Prey Chhor	45	1,384	8,579	6	52.2%	1.52%
Srei Santhor	45	2,273	14,911	7	90.8%	0.44%
Tbong Khmum	50	1,713	10,595	6	58.1%	2.39%
Total	615	24,935	150,909	6	67.2%	1.77%
<b>Kampong Chhnang</b>						
District	Beds	Total Discharges	EHD	ALS	BOR	Hosp.Mort.Rate
Kampong Chhnang	195	4,147	26,320	6	37.0%	1.45%
Kampong Tralach	20	1,046	4,920	5	67.4%	1.05%
Total	215	5,193	31,240	6	39.8%	1.37%
<b>Kampong Speu</b>						
District	Beds	Total Discharges	EHD	ALS	BOR	Hosp.Mort.Rate
Kampong Speu	102	3,407	19,310	6	51.9%	3.20%
Komg Pisey	23	2,400	12,277	5	146.2%	0.00%
Oudong	40	1,730	9,582	6	65.6%	0.23%
Total	165	7,537	41,169	5	68.4%	1.50%
<b>Kampong Thum</b>						
District	Beds	Total Discharges	EHD	ALS	BOR	Hosp.Mort.Rate
Baray Santuk	69	1,808	10,235	6	40.6%	1.71%
Kampong Thom	191	6,546	50,583	8	72.6%	1.15%
Stong	60	1,996	16,838	8	76.9%	2.81%
Total	320	10,350	77,656	8	66.5%	1.57%

<b>Kampot</b>						
District	Beds	Total Discharges	EHD	ALS	BOR	Hosp.Mort.Rate
Angkor Chey	40	381	3,092	8	21.2%	0.00%
Chhouk	108	2,591	17,450	7	44.3%	0.73%
Kampong Trach	36	967	4,991	5	38.0%	1.86%
Kampot	125	2,548	13,752	5	30.1%	2.79%
Total	309	6487	39285	6	34.8%	1.66%
<b>Kandal</b>						
District	Beds	Total Discharges	EHD	ALS	BOR	Hosp.Mort.Rate
Ang Snoul	15	65	252	4	4.6%	0.00%
Kean Svay	95	3,537	26,291	7	75.8%	0.08%
Khsach Kandal	30	1,826	17,794	10	162.5%	0.60%
Koh Thom	42	1,909	16,017	8	104.5%	0.73%
Muk Kam Poul	22	1,311	8,077	6	100.6%	0.00%
Ponhea Leu	25	1,526	6,273	4	68.7%	0.00%
Saang	52	1,761	14,122	8	74.4%	0.23%
Takhmao	150	3,401	40,493	12	74.0%	1.44%
Total	431	15,336	129,319	8	82.2%	0.53%
<b>Kaoh Kong</b>						
District	Beds	Total Discharges	EHD	ALS	BOR	Hosp.Mort.Rate
Smach Meanchey	25	1,072	3,234	3	35.4%	3.45%
Sre Ambel	12	169	688	4	15.7%	2.37%
Total	37	1241	3922	3	29.0%	0.00%
<b>Kracheh</b>						
District	Beds	Total Discharges	EHD	ALS	BOR	Hosp.Mort.Rate
Chhlong	80	2,871	17,039	6	58.4%	1.04%
Kratie	146	3,519	29,492	8	55.3%	4.18%
Total	226	6390	46531	7	56.4%	2.77%
<b>Mondulkiri</b>						
District	Beds	Total Discharges	EHD	ALS	BOR	Hosp.Mort.Rate
Sen Monorum	55	1,554	6,946	4	34.6%	0.84%
Total	55	1554	6946	4	34.6%	0.84%
<b>Phnom Penh</b>						
District	Beds	Total Discharges	EHD	ALS	BOR	Hosp.Mort.Rate
Cheung	40	1,674	5,440	3	37.3%	0.00%
Kandal	193	3,607	15,038	4	21.3%	0.44%
Lech	37	1,308	4,495	3	33.3%	0.00%
Tbong	65	2,441	13,556	6	57.1%	0.00%
Total	335	9,030	38,529	4	31.5%	0.18%

<b>Preah Vihear</b>						
District	Beds	Total Discharges	EHD	ALS	BOR	Hosp.Mort.Rate
Tbeng Meanchey	135	4,016	23,383	6	47.5%	1.84%
Total	135	4016	23383	6	47.5%	1.84%
<b>Prey Veaeng</b>						
District	Beds	Total Discharges	EHD	ALS	BOR	Hosp.Mort.Rate
Kamchay Mear	34	634	4,325	7	34.9%	0.32%
Kampong Trabek	50	931	7,285	8	39.9%	5.37%
Mesang	25	534	2,471	5	27.1%	4.68%
Neak Loung	106	2,678	13,847	5	35.8%	3.96%
Pearang	100	2,384	10,172	4	27.9%	4.19%
Preah Sdach	26	314	1,983	6	20.9%	8.28%
Prey Veng	103	1,412	9,057	6	24.1%	7.29%
Total	444	8887	49,140	6	30.3%	5.00%
<b>Pousat</b>						
District	Beds	Total Discharges	EHD	ALS	BOR	Hosp.Mort.Rate
Bakan	46	1,040	6,062	6	36.1%	5.00%
Sampov Meas	221	4,987	36,432	7	45.2%	5.39%
Total	267	6,027	42,494	7	43.6%	5.33%
<b>Ratanak Kiri</b>						
District	Beds	Total Discharges	EHD	ALS	BOR	Hosp.Mort.Rate
Ban Long	126	2,760	16,943	6	36.8%	0.80%
Total	126	2,760	16,943	6	36.8%	0.80%
<b>Siem Reab</b>						
District	Beds	Total Discharges	EHD	ALS	BOR	Hosp.Mort.Rate
Kralanh	47	1,543	13,730	9	80.0%	0.91%
Siem Reap	242	4,761	40,172	8	45.5%	2.77%
Soth Nikum	100	4,158	37,152	9	101.8%	2.45%
Total	389	10,462	91,054	9	64.1%	2.37%
<b>Krong Preah Sihanouk</b>						
District	Beds	Total Discharges	EHD	ALS	BOR	Hosp.Mort.Rate
Sihanouk Ville	62	2,753	13,159	5	58.1%	4.47%
Total	62	2,753	13,159	5	58.1%	4.47%
<b>Stung Treng</b>						
District	Beds	Total Discharges	EHD	ALS	BOR	Hosp.Mort.Rate
Stung Treng	107	2,829	16,176	6	41.4%	2.16%
Total	107	2,829	16,176	6	41.4%	2.16%

<b>Svay Rieng</b>						
District	Beds	Total Discharges	EHD	ALS	BOR	Hosp.Mort.Rate
Chi Phou	50	597	4,413	7	24.2%	0.00%
Romeas Hek	32	998	8,411	8	72.0%	1.60%
Svay Rieng	167	3,099	35,524	11	58.3%	2.00%
<b>Total</b>	<b>249</b>	<b>4,694</b>	<b>48,348</b>	<b>10</b>	<b>53.2%</b>	<b>1.66%</b>
<b>Takaev</b>						
District	Beds	Total Discharges	EHD	ALS	BOR	Hosp.Mort.Rate
Ang Rokar	30	2,038	9,592	5	87.6%	0.29%
Bati	64	714	9,004	13	38.5%	0.70%
Daun Keo	169	6,744	54,423	8	88.2%	2.97%
Kirivong	97	4,868	30,550	6	86.3%	1.11%
Prey Kabass	35	720	3,857	5	30.2%	0.00%
<b>Total</b>	<b>395</b>	<b>15,084</b>	<b>107,426</b>	<b>7</b>	<b>74.5%</b>	<b>1.76%</b>
<b>Oudar Meanchety</b>						
District	Beds	Total Discharges	EHD	ALS	BOR	Hosp.Mort.Rate
Samrong	109	3,590	21,559	6	54.2%	3.06%
<b>Total</b>	<b>109</b>	<b>3590</b>	<b>21559</b>	<b>6</b>	<b>54.2%</b>	<b>3.06%</b>
<b>Krong Keab</b>						
District	Beds	Total Discharges	EHD	ALS	BOR	Hosp.Mort.Rate
Kep Ville	20	640	3,317	5	45.4%	0.31%
<b>Total</b>	<b>20</b>	<b>640</b>	<b>3317</b>	<b>5</b>	<b>45.4%</b>	<b>0.31%</b>
<b>Krong Pailin</b>						
District	Beds	Total Discharges	EHD	ALS	BOR	Hosp.Mort.Rate
Krong Pailin	55	1,738	8,534	5	42.5%	2.42%
<b>Total</b>	<b>85</b>	<b>1,738</b>	<b>8534</b>	<b>5</b>	<b>27.5%</b>	<b>2.42%</b>
<b>National hospital</b>						
District	Beds	Total Discharges	EHD	ALS	BOR	Hosp.Mort.Rate
MCH	154	8,694	35,261	4	62.7%	1.85%
Kuntha Bopha	359	27,391	165,561	6	126.3%	3.32%
NPH	114	6,087	29,548	5	71.0%	1.54%
Callmette	256	22,375	72,337	3	77.4%	6.07%
Kossamak	250	2,717	14,893	5	16.3%	3.02%
Norodom	150	3,066	21,782	7	39.8%	4.60%
Ang Doung	80	1,119	10,178	9	34.9%	0.09%
CENAT	70	117	5,435	46	21.3%	3.42%
<b>Total</b>	<b>1433</b>	<b>71,566</b>	<b>354,995</b>	<b>5</b>	<b>67.9%</b>	<b>3.84%</b>

### 2.9.3 Bed Occupancy rate by province

Provinces	Discharges	EHD	ALS	BOR	Ratio Bed / lhb
Banteay Meanchey	12,019	91,088	8	55.1%	1,926
Bat Dambang	15,196	94,071	6	43.7%	2,839
Kampong Cham	24,935	150,909	6	67.2%	717
Kampong Chhnang	5,193	31,240	6	39.8%	3,147
Kampong Spueu	7,537	41,169	5	68.4%	3,722
Kampong Thum	10,350	77,656	8	66.5%	1,819
Kampot	6,487	39,285	6	34.8%	3,733
Kandal	15,336	129,319	8	82.2%	329
Kaoh Kong	1,241	3,922	3	29.0%	7,925
Kracheh	6,390	46,531	7	56.4%	199
Modulkiri	1,554	6,946	4	34.6%	19,095
Phnom Penh	9,030	38,529	4	31.5%	411
Preah Vihear	4,016	23,383	6	47.5%	7,791
Prey Veang	8,887	49,140	6	30.3%	874
Pousat	6,027	42,494	7	43.6%	389
Rotanak Kiri	2,760	16,943	6	36.8%	6,248
Siem Reap	10,462	91,054	9	64.1%	419
Krong P.Sihanouk	2,753	13,159	5	58.1%	1,473
Stueng Traeng	2,829	16,176	6	41.4%	5,041
Svay Rieng	4,694	48,348	10	53.2%	3,592
Takaev	15,084	48,348	7	74.5%	335
Otdar Meanchey	3,590	21,559	6	54.2%	297
Krong Kaeb	640	3,317	6	54.2%	2,102
Krong Pailin	1,738	8,534	5	27.5%	147,767
MCH	8,694	35,261	4	62.7%	
Kuntha Bopha	27,391	165,561	6	126.3%	
NPH	6,087	29,548	5	71.0%	
Callmette	22,375	72,337	3	77.4%	
Kossamak	2,717	14,893	5	16.3%	
Norodom	3,066	21,782	7	39.8%	
Ang Doung	1,119	10,178	9	34.9%	
CENAT	117	5,435	46	21.3%	
<b>Total</b>	<b>250,314</b>	<b>1,488,115</b>	<b>6</b>	<b>53.8%</b>	<b>1,659</b>

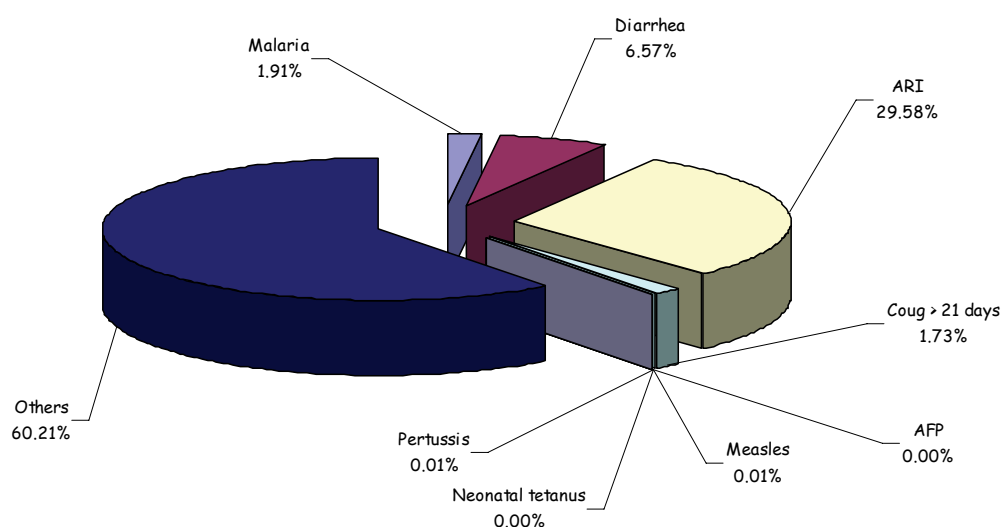
# *Main Health Problems*

- 1.1 Main Health Problems of health center outpatient consultation by age group*
- 3.2 frequency and age distribution of main health problem among Inpatients*
- 3.3 Main Health Problem of Inpatients*
- 3.4 Cases , Deaths and hospital case fatality rate of main IPD health problem*
- 3.5 Specific Health Problem*
  - 3.5.1 Tuberculosis*
  - 3.5.2 Malaria*
  - 3.5.3 AIDS*
  - 3.5.4 Dengue*
  - 3.5.5 Cholera*
  - 3.5.6 Road and Mine accidents*
  - 3.5.7 Annual Statistic of Leprosy 2002*
- 3.6 Prevalence of HBsAg, Syphilis, HIV, HCV, Among*

### 3.1 Main Health Problem of Health Center Outpatient Consultation by age group

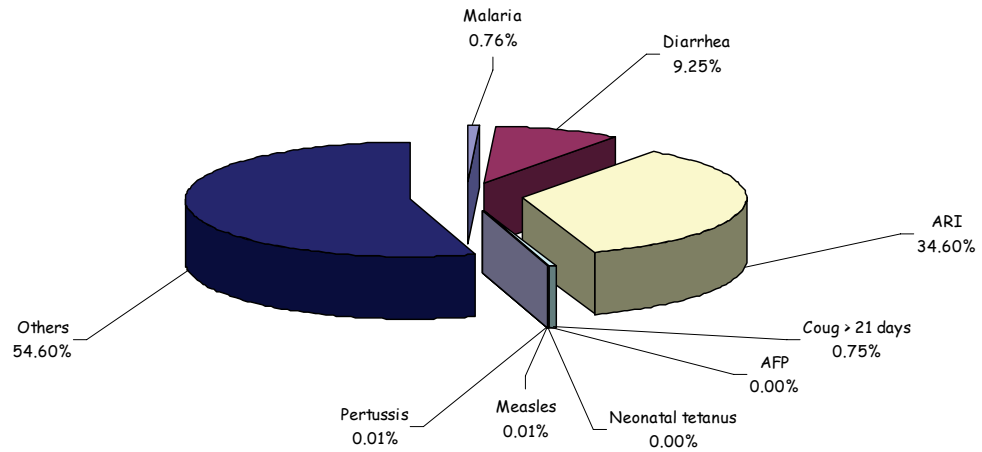
Health problem	0_4		5_14		15_49		>50		Total Out-patients	
	#	%	#	%	#	%	#	%	#	%
Malaria	7,879	8.13%	18,346	18.94%	63,562	65.61%	7,096	7.32%	96,883	2.11%
Diarrhea	95,343	28.58%	80,814	24.22%	114,466	34.31%	42,989	12.89%	333,612	7.26%
ARI	356,646	23.73%	353,299	23.51%	580,351	38.62%	212,599	14.15%	1,502,895	32.70%
Coug > 21 days	7,780	8.85%	8,012	9.11%	36,878	41.94%	35,251	40.09%	87,921	1.91%
Measles	140	27.29%	218	42.50%	81	15.79%	74	14.42%	513	0.01%
AFP	7	19.44%	29	80.56%	0	0.00%	0		36	0.00%
Neonatal tetanus	39	100.00%					0		39	0.00%
Pertussis	113	40.79%	151	54.51%	10	3.61%	3	1.08%	277	0.01%
Others	441,290	17.15%	514,711	20.00%	1,079,552	41.94%	538,210	20.91%	2,573,763	56.00%
<b>Total</b>	<b>909,237</b>	<b>19.8%</b>	<b>975,580</b>	<b>21.2%</b>	<b>1,874,900</b>	<b>40.8%</b>	<b>836,222</b>	<b>18.19%</b>	<b>4,595,939</b>	<b>100.0%</b>

Main Health Problem of Health center Outpatient

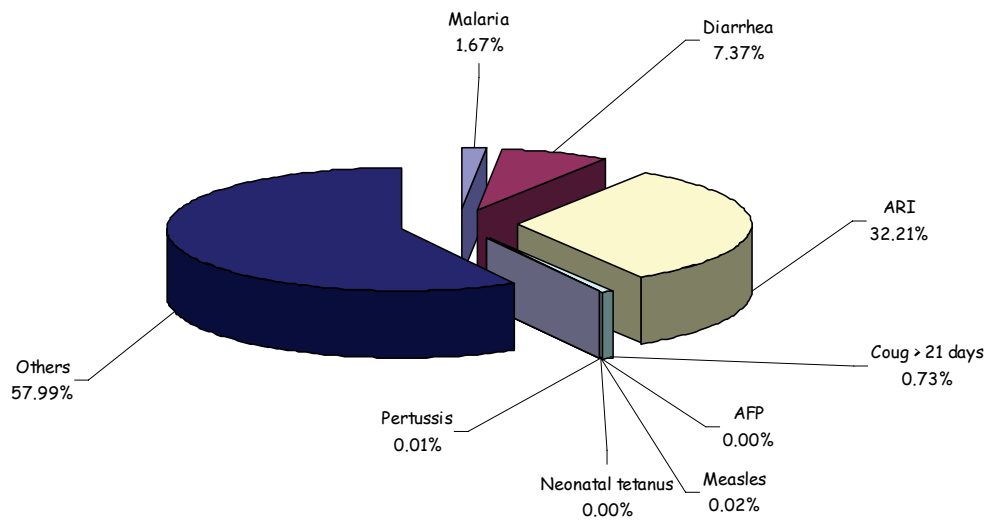




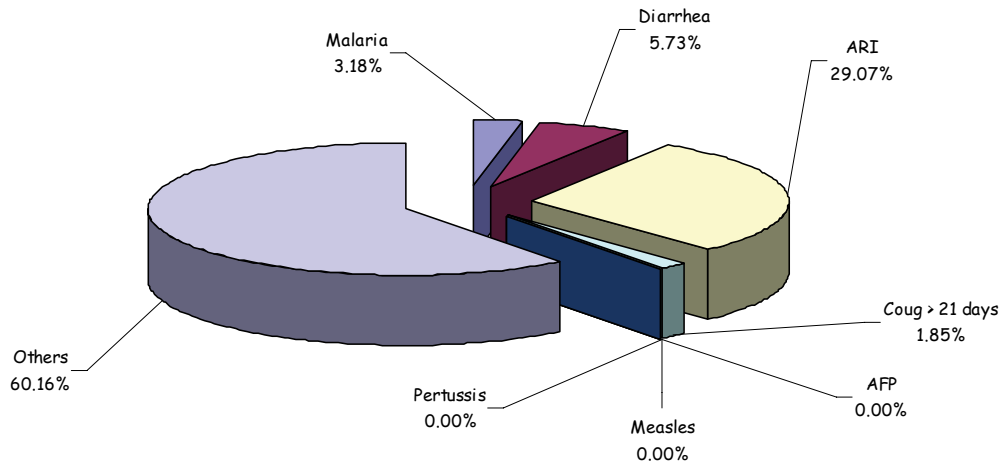
*Main Health Problem of Health center Outpatient  
Children 0\_4 year*



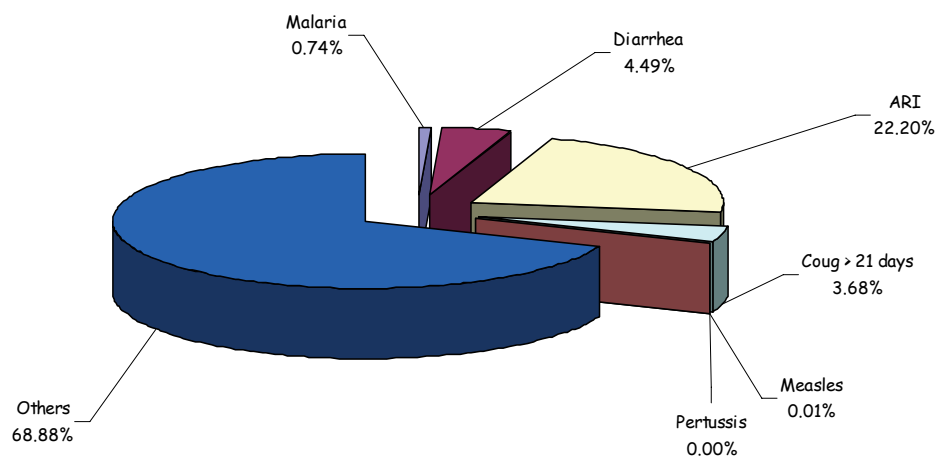
*Main Health Problem of Health center Outpatient  
Children 5\_14 year*



*Main Health Problem of Health center Outpatient  
Adult 15\_49 year*



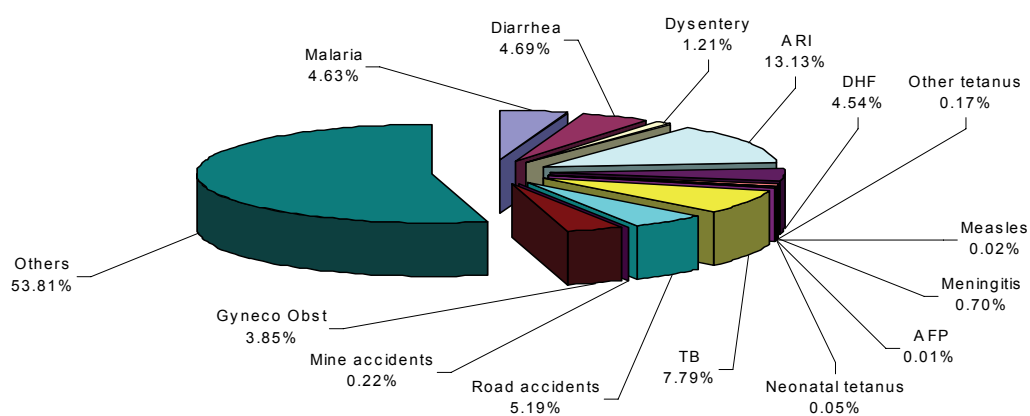
*Main Health Problem of Health center Outpatient  
Children 50 year and Plus*



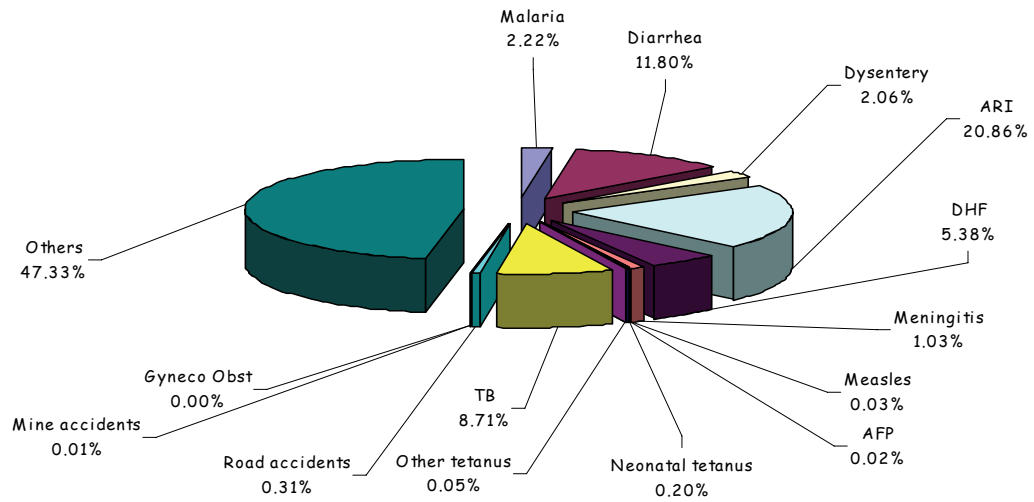
### 3.2 Frequency and age distribution of main Health problem among Inpatients

Health problem	0_4		5_14		15_49		> 50		Total	
	#	%	#	%	#	%	#	%	#	%
Malaria	1,177	1.92%	2,126	4.38%	6,000	6.23%	744	1.69%	10,047	4.01%
Diarrhea	6,269	10.21%	1,090	2.24%	2,262	2.35%	557	1.26%	10,178	4.07%
Dysentery	1,097	1.79%	446	0.92%	793	0.82%	296	0.67%	2,632	1.05%
ARI	11,081	18.04%	3,634	7.48%	8,293	8.62%	5,503	12.49%	28,511	11.39%
DHF	2,858	4.65%	6,876	14.15%	73	0.08%	49	0.11%	9,856	3.94%
Meningitis	547	0.89%	349	0.72%	506	0.53%	125	0.28%	1,527	0.61%
Measles	17	0.03%	14	0.03%	2	0.00%	1	0.00%	34	0.01%
AFP	11	0.02%	0	0.00%					11	0.00%
Neonatal tetanus	104	0.17%							104	0.04%
Other tetanus	26	0.04%	66	0.14%	151	0.16%	129	0.29%	372	0.15%
TB	4,625	7.53%	2,247	4.62%	6,038	6.27%	4,005	9.09%	16,915	6.76%
Road accidents	164	0.27%	855	1.76%	9,082	9.44%	1,181	2.68%	11,282	4.51%
Mine accidents	7	0.01%	66	0.14%	352	0.37%	59	0.13%	484	0.19%
Gyneco Obst	0	0.00%	13	0.03%	7,856	8.16%	501	1.14%	8,370	3.34%
Others	33,432	54.44%	30,811	63.41%	54,834	56.98%	30,914	70.16%	149,991	59.92%
<b>Total</b>	<b>61,415</b>	<b>100.00%</b>	<b>48,593</b>	<b>100.00%</b>	<b>96,242</b>	<b>100.00%</b>	<b>44,064</b>	<b>100.00%</b>	<b>250,314</b>	<b>100.00%</b>

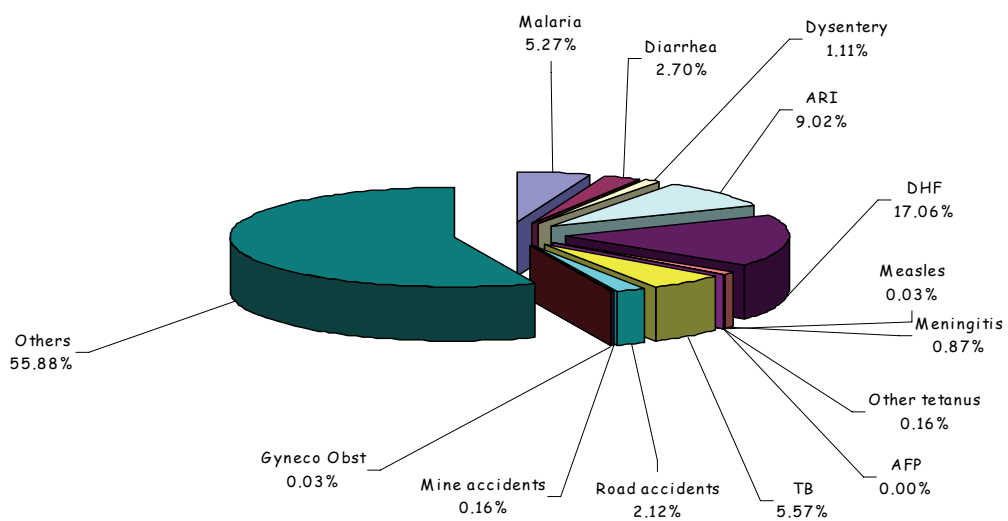
*Main Health Problem among Inpatients*



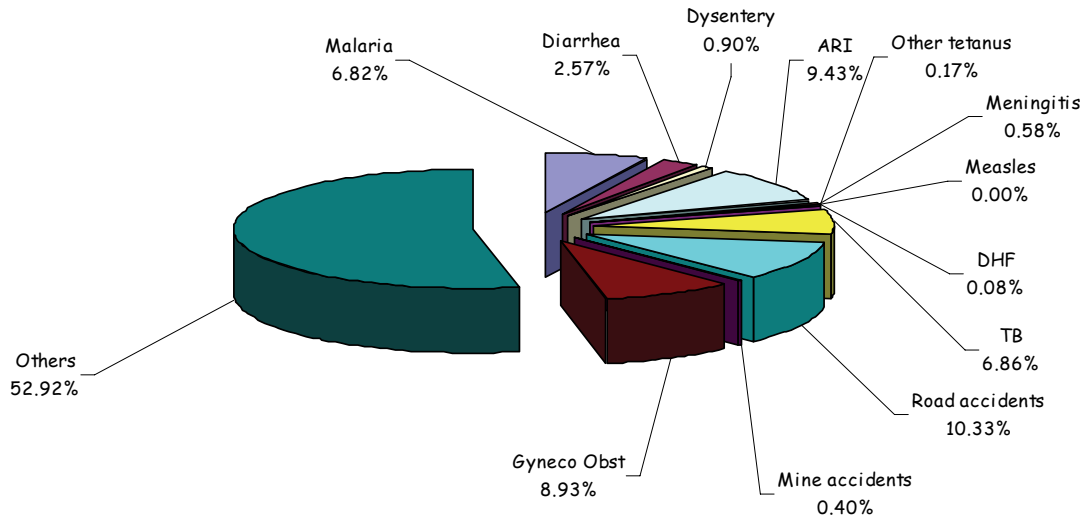
*Main Health Problem among Inpatients  
Children 0 \_ 4 year*



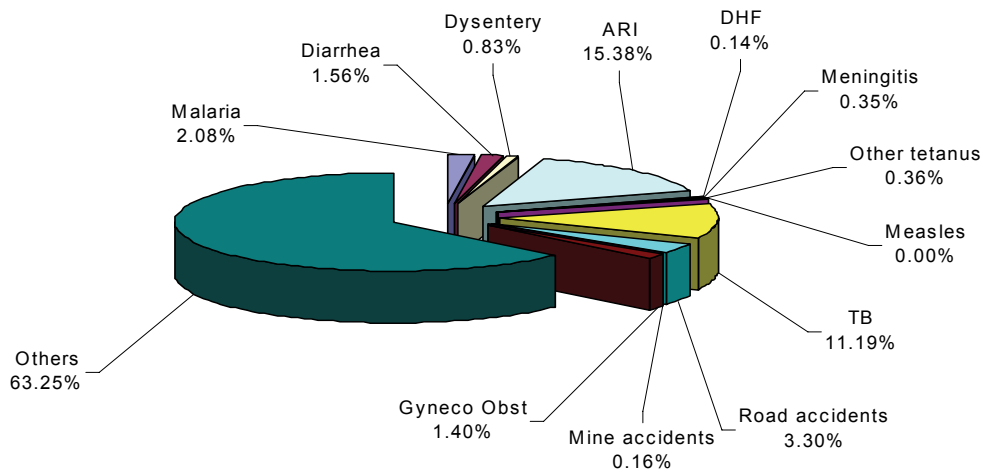
*Main Health Problem among Inpatients  
Children 5 \_ 14 year*



*Main Health Problem among Inpatients  
Adult 15\_49 year*



*Main Health Problem among Inpatients  
Adult 50 year and Plus*

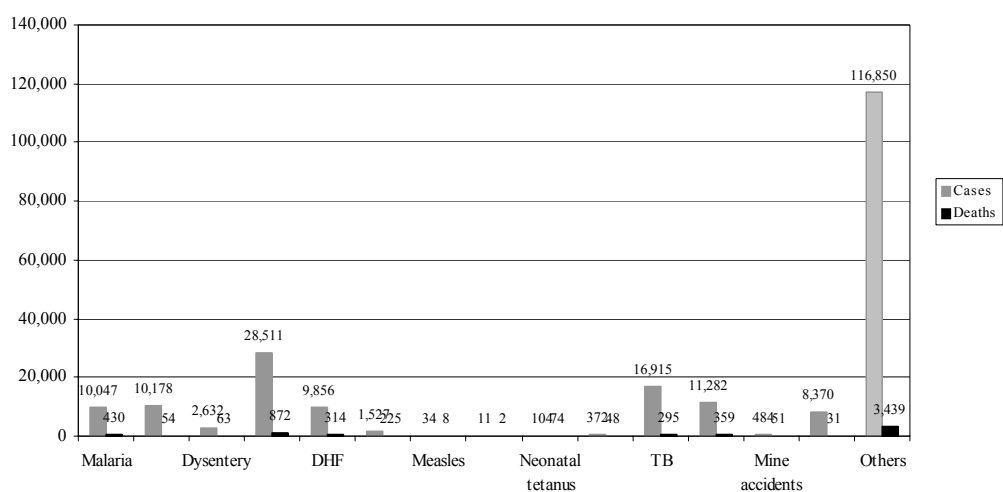


### 3.3 Main Health Problem of Inpatient

Province	Malaria	Diarrhea	Dysentery	Cholera	ARI	DHF	Meningitis	AFP	TB	Gyneco Obst	Others	Total
Banteay Meanchey	597	324	182	2	1,191	144	77	0	2,131	254	3,166	8,068
Bat Dambang	1061	265	195	4	1,389	84	133	1	2,860	211	3,895	10,098
Kampong Cham	1627	1354	374	7	4,867	949	227	0	8,098	1,351	9,133	27,987
Kampong Chhnang	145	237	50	0	458	131	34	0	910	304	1,945	4,214
Kampong Speu	438	671	197	0	969	128	76	0	1,320	296	2,355	6,450
Kampong Thum	324	208	33	0	869	169	76	0	1,784	293	2,819	6,575
Kampot	332	202	27	1	806	214	3	1	966	102	2,001	4,655
Kandal	48	311	199	8	1,285	371	52	0	2,213	313	3,248	8,048
Kaoh Kong	208	87	19	0	78	6	11	0	283	3	1,318	2,013
Kracheh	512	202	41	0	568	274	48	1	1,009	386	2,044	5,085
Mondulkiri	257	72	18	0	168	0	2	0	237	53	1,272	2,079
Phnom Penh	19	25	11	0	10	3	4	0	603	328	1,638	2,641
Preah Vihear	577	271	52	0	327	0	11	0	896	36	1,931	4,101
Prey Veaeang	63	332	95	2	964	200	93	0	1,889	222	2,924	6,784
Pousat	420	69	8	0	370	21	25	0	673	252	1,708	3,546
Rotanak Kiri	201	63	53	0	106	0	22	0	485	0	1,520	2,450
Stiem Reap	683	83	107	1	1,174	23	91	0	3,513	333	4,548	10,556
Krong P.Sihanouk	29	267	19	0	281	8	1	0	1,146	10	2,181	3,942
Stueng Traeng	462	73	52	1	200	239	2	0	304	70	1,339	2,742
Svay Rieng	78	144	18	2	998	183	84	0	1,431	314	2,466	5,718
Takeav	489	873	167	4	2,483	941	88	0	5,370	660	6,405	17,480
Krong Kaeb	51	104	5	0	568	14	0	0	73	212	1,108	2,135
Okda Meanchey	42	123	46	0	395	31	62	0	669	146	1,704	3,218
Krong Paolin	629	82	37	10	105	3	3	0	200	14	1,235	2,318
MCH	0	0	0	0	0	0	0	0	1,408	1,414	2,443	5,265
Kunthak Bopha	615	1889	495	6	5,909	4,879	193	8	13,818	0	14,853	42,665
NPH	16	1512	72	0	582	841	29	0	2,728	0	3,763	9,543
Calmette	97	180	28	0	536	0	78	0	8,051	501	9,086	18,557
Kossamak	0	63	5	0	60	0	0	0	1,156	73	2,201	3,558
Norodom Sihanouk	27	92	27	0	45	0	2	0	3,293	219	4,328	8,033
Ang Dong	0	0	0	0	750	0	0	0	0	0	5,324	6,074
CENAT	0	0	0	0	0	0	0	0	1,335	0	2,381	3,716
<b>Total :</b>	<b>10,047</b>	<b>10,178</b>	<b>2,632</b>	<b>48</b>	<b>28,511</b>	<b>9,856</b>	<b>1,527</b>	<b>11</b>	<b>70,852</b>	<b>8,370</b>	<b>108,282</b>	<b>250,314</b>

### 3.4 Cases, Deaths and Hospital case fatality rate of main IPD health patients

Health problems	Cases	Deaths	CFR%
Malaria	10,047	430	4.28%
Diarrhea	10,178	54	0.53%
Dysentery	2,632	63	2.39%
ARI	28,511	872	3.06%
DHF	9,856	314	3.19%
Meningitis	1,527	225	14.73%
Measles	34	8	23.53%
AFP	11	2	18.18%
Neonatal tetanus	104	74	71.15%
Other tetanus	372	48	12.90%
TB	16,915	295	1.74%
Road accidents	11,282	359	3.18%
Mine accidents	471	8	1.70%
Gyneco Obst	8,370	31	0.37%
Others	149,991	3,439	2.29%
<b>Total :</b>	<b>250,301</b>	<b>6,222</b>	<b>2.49%</b>



### 3.5 Specific Health Problem

#### 3.5.1 Tuberculosis

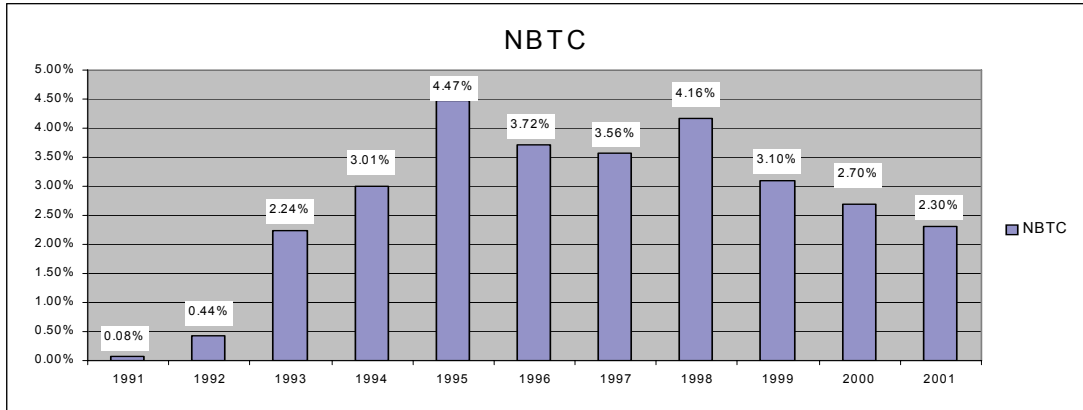
Province	New Case BK +	BK -	Extra Pulmonar	Total
Banteay MeanChey	823	115	165	1,103
Bat Dambang	897	140	245	1,282
Kampong Cham	1,691	292	283	2,266
Kampong Chhnang	699	20	122	841
Kampong Speue	1,066	76	128	1,270
Kampong Thum	871	58	136	1,065
Kampot	750	76	91	917
Kandal	1,729	199	278	2,206
Kaoh Kong	91	18	15	124
Kracheh	280	80	110	470
Mondulkiri	17	3	4	24
Phnom Penh	573	232	220	1,025
Preah Vihear	137	37	65	239
Prey Veang	2,145	105	152	2,402
Pousat	541	60	81	682
Rattanak Kiri	43	11	13	67
Siem Reap	1,574	173	317	2,064
Krong P. Sihanouk	199	34	58	291
Stueng Traeng	88	12	10	110
Svay Rieng	1,212	254	175	1,641
Takaev	807	314	263	1,384
Otdar Meanchey	255	17	35	307
Krong Kaeb	38	31	3	NA
Krong Pailin	46	4	19	69
National Hospital(4 Hos)	665	493	729	1887
<b>Total</b>	<b>17,237</b>	<b>2,854</b>	<b>3,717</b>	<b>23,736</b>



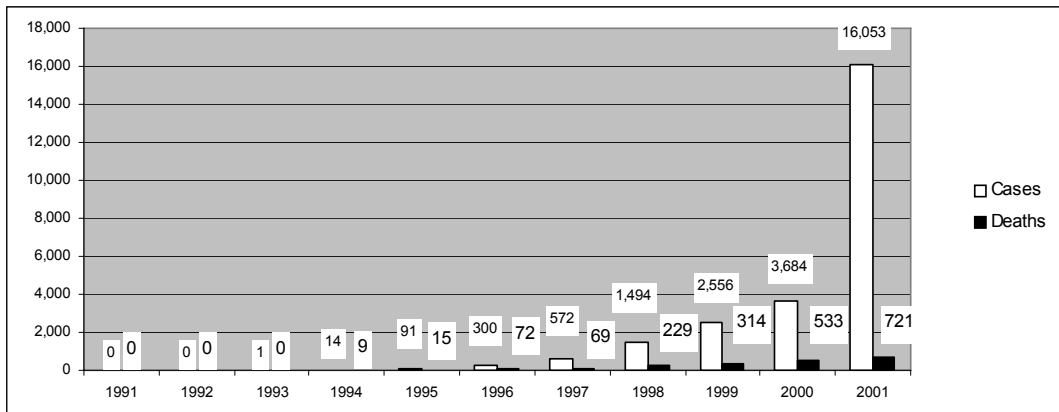
### 3.5.1 Malaria

Province	Malaria OPD	Malaria IPD-Simple	Malaria IPD-Sesvere	Total IPD Cases	Deaths
Banteay Meanchey	2511	451	146	597	14
Bat Dambang	11271	596	465	1061	58
Kampong Cham	6417	557	1070	1627	46
Kampong Chhnang	1310	95	50	145	6
Kampong Spueu	5534	167	271	438	19
Kampong Thum	6114	252	72	324	18
Kampot	4474	126	206	332	8
Kandal	182	5	43	48	8
Kaoh Kong	1557	137	71	208	0
Kracheh	8816	200	312	512	31
Mondulkiri	8886	7	250	257	2
Phnom Penh	81	5	14	19	1
Preah Vihear	4967	113	464	577	47
Prey Veang	111	22	41	63	3
Pousat	5622	325	95	420	50
Rotanak Kiri	6749	116	85	201	3
Siem Reap	12003	255	428	683	32
Krong P.Sihanouk	328	10	19	29	3
Stueng Traeng	2495	176	286	462	21
Svay Rieng	72	37	41	78	3
Takaev	1108	230	259	489	18
Otdar Meanchey	2146	17	34	51	1
Krong Kaeb	164	13	29	42	0
Krong Pailin	3393	305	324	629	15
Calmette	12	80	17	97	15
NPH	478	5	11	16	0
Kossamak	2	0	0	0	0
Kunthak Bopha	80	584	31	615	8
Norodom Sihanouk	0	17	10	27	0
<b>Total</b>	<b>96,883</b>	<b>4,903</b>	<b>5,144</b>	<b>10,047</b>	<b>430</b>

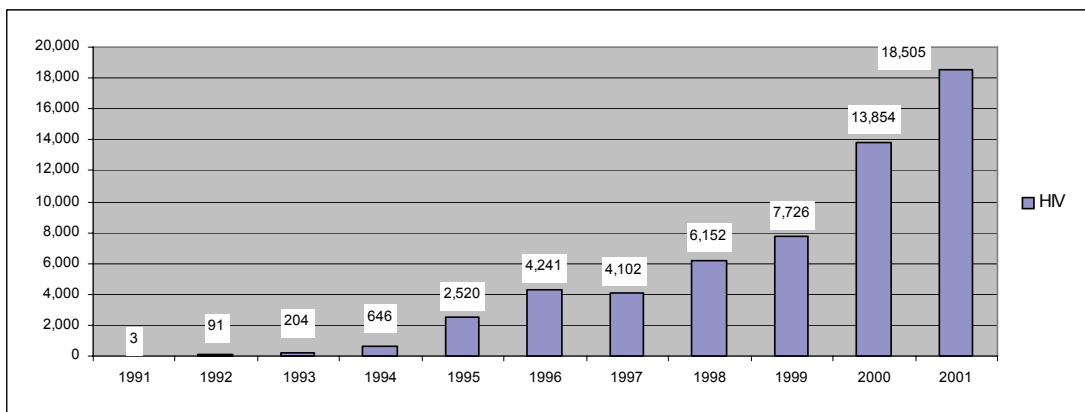
### 3.5.3 HIV/AIDS



### HIV



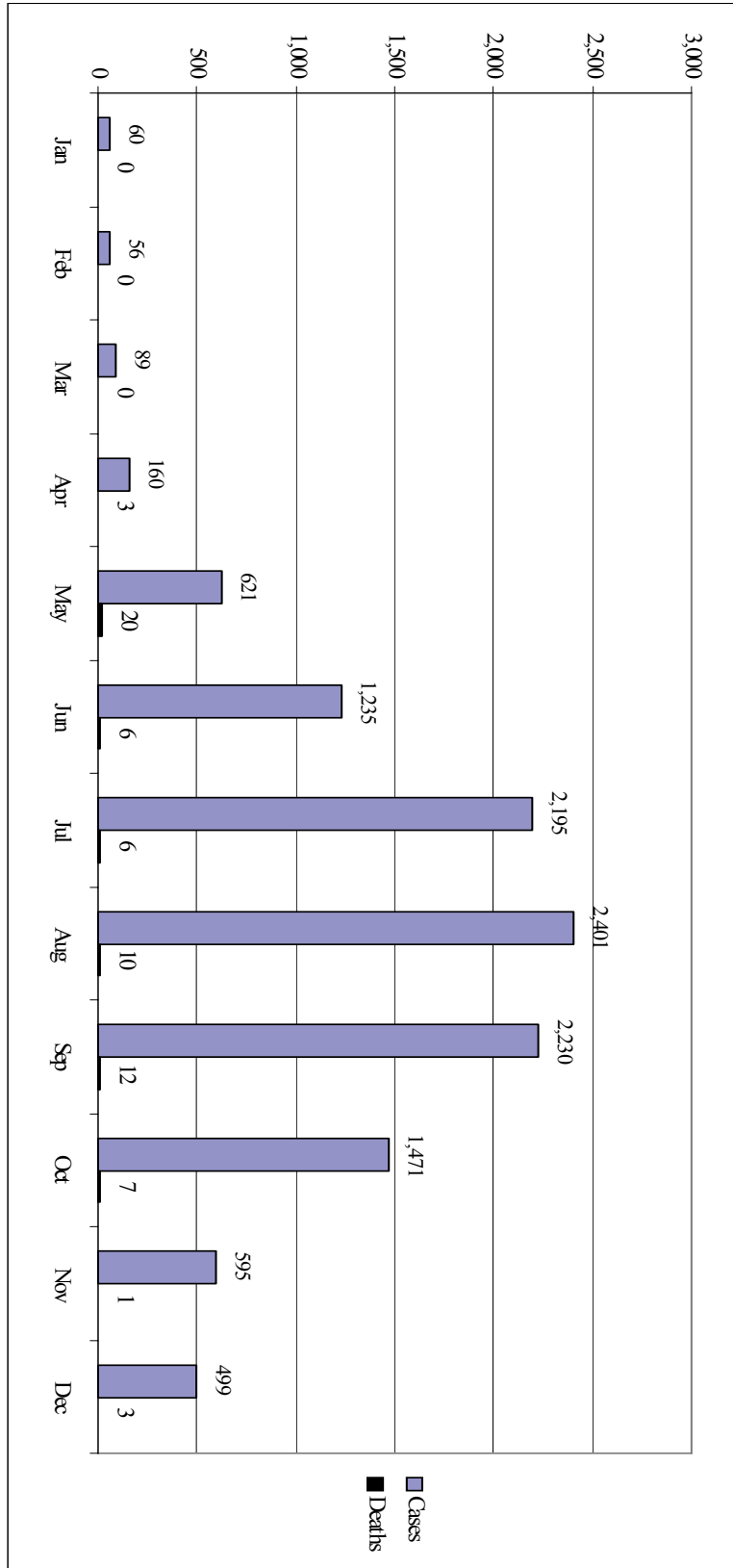
### NBTC



### 3.5.4 Dengue

Province	Jan		Feb		Mar		Apr		May		Jun		Jul		Aug		Sep		Oct		Nov		Dec		
	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	
Banteay Meanchey																									
Battambang																									
Kampong Cham	8		13		24		4		13		1	17		5		13		23		19		2			
Kampong Chhnang	1				2		20		70		2	192		323		384		329		142		92		1	
Kampong Spea	2		2		4		6		26		3	31		59		75		26		17		3		4	
Kampong Thum					1		3		13		3	37		97		167		237		142		69		43	
Kampot							1		14		3	75		77		83		49		31		11		14	
Kerd	21		12		16		1		9		2	12		34		57		35		19		7		8	
Kehkong					2		4		4		4	4		5		5		3				3		2	
Kratih									4		3	64		75		48		10		10		1			1
Mondul'kin																									1
Phnom Bth	19		22		25		40		77		1	101		255		334		307		312		150		219	
Preah Vihear												38		50											18
Prey Veaeng	2		2		3		1		14		22		89		99		86		4		66		1	28	18
Pursat											1		6		7		8		2						1
Ratanak'kin																									
Sten Reap							16		63		3	171		368		430		212		256		1	46		1
Kong Pailin	1																6		6		6		1		
Kong P. Sitrak	4		1		1				7		6		16		8		11		2		2		6		2
Slung Treang							25		77		1	78		44		18		6							
Svay Rieng							1		2		11		81		29		16		1						1
Takeo	2		4		9		12		48		163		241		313		467		213		3	58			13
Obor Meanchey							1		1				1		12		10		8						8
Kong Kaeb					2						16		21				1		8		5				5
<b>Total</b>	<b>60</b>	<b>0</b>	<b>56</b>	<b>0</b>	<b>89</b>	<b>0</b>	<b>160</b>	<b>3</b>	<b>621</b>	<b>20</b>	<b>1,225</b>	<b>6</b>	<b>2,105</b>	<b>6</b>	<b>2,401</b>	<b>10</b>	<b>2,220</b>	<b>12</b>	<b>1,471</b>	<b>7</b>	<b>595</b>	<b>1</b>	<b>499</b>		

*Cholera Cases and Deaths , 2002*



### 3.5.6 Road and Mine Accidents

Province	Road Accident		Mine Accident	
	Cases	Deaths	Cases	Deaths
Banteay Meanchey	452	10	123	
Bat Dambang	629	11	18	2
Kampong Cham	1,210	23	26	
Kampong Chhnang	299	5	1	
Kampong Spueu	753	24	4	
Kampong Thum	418	2	3	
Kampot	371	11	5	
Kandal	461	4	34	
Kaoh Kong	44	3	0	0
Kracheh	109	3	39	
Modulkiri	45		5	
Phnom Penh	15		6	
Preah Vihear	29			
Prey Veaeng	316	3		
Pousat	191	5	7	
Rotanak Kiri				
Siem Reap	709	14		
Krong P.Sihanouk	304	20	11	
Stueng Traeng	38	1	18	
Svay Rieng	136		18	
Takaev	388	11	15	
Krong Kaeb	27			
Otdar Meanchey	57	1	23	2
Krong Pailin	138	3	25	
MCH	0	0	0	
Kunthak Bopha	66			
NPH	23	1		
Calmette	3,514	178	3	
Kossamak	471	24	87	4
Norodom Sihanouk	69	2		
Ang Doung	0			
CENAT	0			
<b>Total</b>	<b>11,282</b>	<b>359</b>	<b>471</b>	<b>8</b>

3.5.7 Annual Statistic of Leprosy, 2002

Province	Population estimate 2002	Cases Under Treatment at Beginning of the year	New Cases Detected During year					New Case Detection Rate per 10000	New Cases Under 15 year		New Cases With Disability Grade I		New Cases With Disability Grade II		Cases With Regular Treatment	Cases Released From Treatment	Cases Under Treatment at the End of year			Registered Prevalence Rate per 10000	
			F	PB1	PB	MB	Total		#	Rate	#	Rate	#	Rate			#	Rate	PB		MB
Bangka/Beau Chay	633,841	24	11	0	16	31	47	0.74	2	4.3	1	2.1	4	8.5	71	1000	37	6	28	34	0.54
Batang	841,901	46	20	0	17	48	66	0.77	2	3.1	2	3.1	7	10.8	110	1000	56	7	47	54	0.64
KampungOran	1,693,446	88	30	3	37	59	99	0.58	9	9.1	6	6.1	13	13.1	188	1000	124	12	60	72	0.42
KampungOrang	462,813	20	3	0	8	12	20	0.43	2	10.0	1	5.0	2	10.0	40	1000	30	3	12	15	0.32
KampungSiau	634,000	33	15	0	11	25	36	0.57	4	11.1	0	0.0	7	19.4	69	1000	35	3	31	34	0.54
KampungThom	627,890	28	11	0	16	18	34	0.54	1	2.9	2	5.9	2	5.9	62	1000	36	5	18	23	0.37
Kampot	584,412	4	11	0	5	23	28	0.48	5	17.9	5	17.9	3	10.7	32	1000	8	3	21	24	0.41
Kep	31,088	1	0	0	0	0	0	0.00	0	#DNV/0	0	#DNV/0	0	#DNV/0	1	1000	1	0	0	0	0.00
Kerd	1,173,126	23	4	1	15	11	27	0.23	4	14.8	1	3.7	2	7.4	53	1000	32	4	15	19	0.16
Kohkong	140,705	11	10	1	8	14	23	1.63	6	26.1	5	21.7	1	4.3	33	97.1	15	7	12	19	1.35
Katie	273,983	3	0	0	1	3	4	0.15	0	0.0	1	25.0	2	50.0	7	1000	3	1	3	4	0.15
Mondulkit	47,163	5	0	0	0	0	0	0.00	0	#DNV/0	0	#DNV/0	0	#DNV/0	5	1000	3	0	2	2	0.42
PraekVihear	140,605	4	0	1	3	1	5	0.36	0	0.0	0	0.0	0	0.0	9	1000	8	0	1	1	0.07
PreyVeng	1,080,489	35	12	0	6	54	60	0.56	1	1.7	2	3.3	3	5.0	95	1000	36	3	56	59	0.55
PhnomPeth	1,089,172	0	1	0	4	7	11	0.10	1	9.1	0	0.0	0	0.0	10	90.9	5	2	4	6	0.06
Pailin	42,824	1	2	0	0	3	3	0.70	1	33.3	0	0.0	2	66.7	4	1000	1	0	3	3	0.70
Pursat	398,787	24	3	2	3	7	12	0.30	3	25.0	0	0.0	0	0.0	36	1000	27	1	7	8	0.20
Ratanakiri	105,475	8	0	0	12	13	25	2.37	0	0.0	0	0.0	1	4.0	33	1000	12	5	13	18	1.71
ObtMeanchey	120,763	16	5	1	9	18	28	2.32	3	10.7	0	0.0	0	0.0	44	1000	28	3	13	16	1.32
SemReap	757,220	41	4	1	9	33	43	0.57	5	11.6	0	0.0	2	4.7	83	98.8	37	7	39	46	0.61
StanakVillie	153,778	2	1	0	2	4	6	0.39	2	33.3	0	0.0	0	0.0	8	1000	1	2	5	7	0.46
StungTeng	88,500	3	8	6	10	9	25	2.82	4	16.0	1	4.0	0	0.0	28	1000	7	12	9	21	2.37
SvayReng	527,670	3	1	0	1	4	5	0.09	2	40.0	1	20.0	0	0.0	8	1000	3	1	4	5	0.09
Takeo	895,664	24	3	3	9	15	27	0.30	0	0.0	2	7.4	0	0.0	51	1000	31	4	16	20	0.22
National Center		55	30	1	23	77	107	#DNV/0	6	5.6	4	5.0	10	9.3	149	91.4	71	7	71	78	#DNV/0
Total	12,536,338	533	165	20	231	489	740	0.59	63	8.5	34	4.6	61	82	1226	93.6	647	98	490	588	0.47

3.6 Prevalence of HBsAg, Syphilis, HIV, HCV, Among blood donors, 2002

N°	PROVINCE /CITY	HBsAg			HCV			HIV			SYPHILIS		
		Nb.of specimen	Nb.of Positive	%	Nb.of specimen	Nb.of Positive	%	Nb.of specimen	Nb.of Positive	%	Nb.of specimen	Nb.of Positive	%
1	Banteay Meanchey	835	61	7.3%	835	21	2.5%	835	11	1.3%	835	14	1.7%
2	Battambang	2,738	330	12.1%	2,738	91	3.3%	2,738	61	2.2%	2,738	54	2.0%
3	Karpong Cham	1,671	51	3.1%	1,671	30	1.8%	1,671	27	1.6%	1,671	27	1.6%
4	Karpong Chhnang	676	65	9.6%	676	34	5.0%	676	19	2.8%	676	26	3.8%
5	Karpong Speu	615	22	3.6%	615	6	1.0%	615	6	1.0%	615	7	1.1%
6	Karpong Thom	1,146	47	4.1%	1,146	20	1.7%	1,146	20	1.7%	1,146	33	2.9%
7	Kampot	492	28	5.7%	492	5	1.0%	492	3	0.6%	492	3	0.6%
8	Koh Kong	28	10	35.7%	28	0	0.0%	28	1	3.6%	28	1	3.6%
9	Kratie	502	46	9.2%	502	23	4.6%	502	4	0.8%	502	13	2.6%
10	Phnom Penh	8,914	952	10.7%	8,914	194	2.2%	8,914	182	2.0%	8,914	379	4.3%
11	Prey Veng	328	9	2.7%	328	6	1.8%	328	5	1.5%	328	2	0.6%
12	Pursat	380	38	10.0%	380	19	5.0%	380	2	0.5%	380	3	0.8%
13	Siem Reap	493	34	6.9%	493	11	2.2%	493	8	1.6%	493	24	4.9%
14	Sihanouk Ville	152	22	14.5%	152	9	5.9%	152	3	2.0%	152	2	1.3%
15	Stung Treng			#DIV/0!	0		#DIV/0!			#DIV/0!	0		#DIV/0!
16	Svay Rieng	564	15	2.7%	564	8	1.4%	564	6	1.1%	564	9	1.6%
17	Takeo	594	31	5.2%	594	12	2.0%	594	3	0.5%	594	1	0.2%
18	Preah Vihear			#DIV/0!	0		#DIV/0!			#DIV/0!	0		#DIV/0!
19	Uddar Meanchey	30	0	0.0%	30	1	3.3%	30	0	0.0%	30	3	10.0%
20	Paolin	84	6	7.1%	84	2	2.4%	84	1	1.2%	84	2	2.4%
21	Mondul Kiri			#DIV/0!	0		#DIV/0!			#DIV/0!	0		#DIV/0!
22	Ratanak Kiri			#DIV/0!	0		#DIV/0!			#DIV/0!	0		#DIV/0!
	TOTAL	20,242	1,767	8.7%	20,242	492	2.4%	20,242	362	1.8%	20,242	603	3.0%

## *Comparison of main Indicators Of service Utilization from 1997– 2002*

4.1 *Number of Contact by Inhabitant per year*

4.2 *Bed Occupancy Rate*

4.3 *Antennal Coverage*

4.4 *Delivery Coverage*

4.5 *EPI Coverage : Measles*



#### 4.1 *Number of Contact by Inhabitant per year*

Code	Province	1997	1998	1999	2000	2001	2002
1	Banteay Meanchey	0.24	0.18	0.21	0.27	0.50	0.50
2	Bat Dambang	0.33	0.3	0.26	0.27	0.55	0.55
3	Kampong Cham	0.38	0.34	0.33	0.43	0.50	0.50
4	Kampong Chhnang	0.2	0.22	0.13	0.33	0.46	0.46
5	Kampong Speu	0.2	0.21	0.25	0.24	0.58	0.58
6	Kampong Thum	0.36	0.48	0.41	0.33	0.46	0.46
7	Kampot	0.28	0.26	0.27	0.31	0.56	0.56
8	Kandal	0.3	0.27	0.19	0.35	0.40	0.40
9	Kaoh Kong	0.28	0.23	0.15	0.15	0.10	0.21
10	Kracheh	0.32	0.19	0.22	0.27	0.48	0.48
11	Modulhiri	0.04	0.01	0.11	0.06	0.50	0.50
12	Phnom Penh	0.42	0.29	0.24	0.30	0.51	0.51
13	Preah Vihear	0.31	0.3	0.3	0.29	0.45	0.45
14	Prey Veaseng	0.24	0.21	0.23	0.21	0.49	0.49
15	Pousat	0.52	0.4	0.39	0.40	0.45	0.45
16	Rotanak Kiri	0.22	0.36	0.39	0.44	0.58	0.50
17	Siem Reap	0.68	0.63	0.52	0.35	0.45	0.45
18	Krong P. Sihanouk	0.25	0.24	0.25	0.36	0.58	0.58
19	Stueng Traeng	0.55	0.51	0.53	0.54	0.45	0.45
20	Svay Rieng	0.63	0.68	0.97	0.79	0.49	0.49
21	Takaev	0.78	0.78	0.53	0.23	0.56	0.56
22	Krong Kaeb	0.43	0.42	0.25	0.31	0.51	0.51
23	Otdar Meanchey				0.27	0.46	0.46
24	Krong Pailin			0.2	0.75	0.54	0.54
	<b>Country average</b>	<b>0.33</b>	<b>0.31</b>	<b>0.29</b>	<b>0.31</b>	<b>0.37</b>	<b>0.39</b>

## 4.2 *Bed Occupancy Rate*

Code	Province	1997	1998	1999	2000	2001	2002
1	Banteay Meanchey	36 %	38 %	32 %	69.7%	62.7%	55.1%
2	Bat Dambang	51 %	42 %	43 %	76.2%	47.0%	43.7%
3	Kampong Cham	43 %	38 %	50 %	62.0%	66.1%	67.2%
4	Kampong Chhnang	56 %	52 %	54 %	45.9%	48.1%	39.8%
5	Kampong Speu	30 %	29 %	35 %	26.6%	60.2%	68.4%
6	Kampong Thum	32 %	62 %	63 %	42.8%	69.4%	66.5%
7	Kampot	31 %	39 %	32 %	30.3%	40.6%	34.8%
8	Kandal	58 %	65 %	59 %	138.9%	67.6%	82.2%
9	Kaoh Kong	12 %	16 %	11 %	91.7%	9.6%	29.0%
10	Kracheh	47 %	43 %	46 %	24.7%	62.1%	56.4%
11	Modulhiri	43 %	38 %	54 %	68.6%	9.8%	34.6%
12	PhnomPenh	32 %	33 %	28 %	57.3%	20.1%	31.5%
13	Preah Vihear	77 %	94 %	47 %	49.0%	60.4%	47.5%
14	Prey Veaseng	41 %	30 %	24 %	42.1%	31.6%	30.3%
15	Pousat	46 %	37 %	33 %	43.9%	47.3%	43.6%
16	Rotanak Kiri	32 %	27 %	38 %	83.2%	10.2%	36.8%
17	Siem Reap	66 %	62 %	59 %	34.3%	63.0%	64.1%
18	Krong P.Sihanouk	39 %	53 %	39 %	40.1%	46.7%	58.1%
19	Stueng Traeng	45 %	42 %	52 %	21.7%	35.9%	41.4%
20	Svay Rieng	39 %	38 %	63 %	40.2%	55.2%	53.2%
21	Takaev	54 %	53 %	48 %	45.1%	67.8%	74.5%
22	Krong Kaeb	58 %	68 %	21 %	30.4%	47.0%	54.2%
23	Otdar Meanchey				48.9%	47.0%	54.2%
24	Krong Pailin			24 %	58.6%	62.8%	27.5%
25	MCH				47.0%	53.8%	62.7%
26	Kunthak Bopha				59.0%	131.9%	126.3%
27	NPH				49.2%	90.4%	71.0%
28	Calmette				39.9%	75.1%	77.4%
29	Kossarak				34.4%	34.2%	16.3%
30	Nbrodom.Sihanouk				21.8%	33.9%	39.8%
31	Ang Doung				30.4%	33.6%	34.9%
32	CENAT				93.0%	34.4%	21.3%
	<b>Country coverage</b>	<b>45 %</b>	<b>47 %</b>	<b>46 %</b>	<b>50.7%</b>	<b>54.0%</b>	<b>53.8%</b>

### 4.3 Antenatal Coverage

Code	Province	1998	1999	2000	2001	2002
1	Banteay Meanchey	49 %	61 %	73.4%	43.3%	47.2%
2	Bat Dambang	20 %	30 %	36.9%	48.8%	51.6%
3	Kampong Cham	34 %	38 %	40.7%	45.9%	45.3%
4	Kampong Chhnang	30 %	48 %	42.9%	64.2%	66.8%
5	Kampong Spueu	29 %	26 %	38.5%	34.6%	41.8%
6	Kampong Thum	50 %	48 %	51.7%	36.6%	37.6%
7	Kampot	26 %	23 %	30.0%	38.7%	32.2%
8	Kandal	28 %	26 %	41.0%	45.1%	43.0%
9	Kaoh Kong	23 %	25 %	33.5%	5.6%	30.5%
10	Kracheh	22 %	20 %	30.7%	29.9%	24.0%
11	Modulhiri	9 %	4 %	9.5%	28.7%	26.9%
12	Phnom Penh	38 %	35 %	62.7%	29.4%	29.5%
13	Preah Vihear	48 %	35 %	43.0%	12.2%	25.5%
14	Prey Veaseng	34 %	30 %	32.1%	40.0%	42.3%
15	Pousat	35 %	28 %	60.4%	62.8%	63.7%
16	Rotanak Kiri	18 %	39 %	40.3%	14.1%	30.4%
17	Siem Reap	20 %	15 %	15.0%	57.8%	56.6%
18	Krong P. Sihanouk	23 %	18 %	22.4%	37.2%	37.0%
19	Sruek Sraeng	22 %	14 %	23.9%	29.7%	43.9%
20	Svay Rieng	9 %	20 %	18.5%	65.3%	49.6%
21	Takaev	19 %	15 %	7.9%	41.5%	48.9%
22	Krong Kaeb	21 %	5 %	4.6%	36.7%	50.8%
23	Otdar Meanchey	%	%	20.5%	9.2%	12.0%
24	Krong Pailin	%	%	32.8%	25.7%	39.4%
	<b>Country coverage</b>	<b>30 %</b>	<b>36 %</b>	<b>40.9%</b>	<b>43.0%</b>	<b>44.1%</b>

#### 4.4 Delivery Coverage

Code	Province	1998		1999		2000		2001		2002	
		HC	Hospital	HC	Hospital	HC	Hospital	HC	Hospital	HC	Hospital
1	Banteay Meanchey	11%	23%	09%	27%	06%	47%	29%	43%	34%	26%
2	Bat Dambang	26%	12%	18%	15%	13%	20%	20%	67%	13%	68%
3	Kampong Cham	6%	28%	51%	26%	85%	23%	13%	30%	14%	36%
4	Kampong Chhnang	13%	19.9%	107%	36%	199%	89%	18%	46%	25%	49%
5	Kampong Speu	12%	2%	07%	16%	09%	20%	14%	20%	14%	16%
6	Kampong Thum	12%	58%	32%	5%	11%	56%	11%	25%	08%	26%
7	Kampot	14%	22%	13%	15%	13%	15%	11%	38%	05%	38%
8	Kandal	3.2%	3.7%	03%	24%	09%	34%	10.2%	24%	10.9%	21%
9	Kaoh Kong	3.4%	3.2%	39%	33%	09%	33%	0.3%	0.0%	2.9%	6.8%
10	Kracheh	14%	7.9%	07%	12%	09%	6.6%	0.9%	4.3%	0.9%	3.3%
11	Modul Kiri	1%	3.4%	15%	29%	07%	21%	0.2%	9.2%	0.2%	5.6%
12	Phnom Penh	0.5%	3.2%	0.6%	3%	1.1%	3.4%	11.6%	3.6%	10.0%	2.2%
13	Preah Vihear	2%	6.8%	16%	6%	15%	5.4%	0.5%	2.4%	0.6%	1.3%
14	Prey Veaeng	21%	17%	23%	16%	2.4%	18%	1.5%	1.9%	1.3%	2.1%
15	Pursat	7.7%	2.4%	7%	17%	3.3%	3.7%	1.3%	2.8%	2.6%	3.1%
16	Rotanak Kiri	1%	3.1%	1%	2.7%	1.0%	2.8%	1.8%	1.7%	3.5%	6.4%
17	Siem Reap	0.6%	3.8%	0.5%	0.8%	0.3%	1.2%	4.4%	3.7%	4.3%	1.9%
18	Krong P. Sihanouk	1%	3.9%	1%	4%	1.2%	5.0%	1.1%	8.3%	1.5%	9.3%
19	Stueng Treang	11%	7.3%	11%	12%	0.4%	5.5%	0.2%	4.5%	0.3%	5.0%
20	Svay Rieng	7.1%	5.2%	7%	7.8%	0.9%	6.3%	0.6%	3.4%	0.5%	2.5%
21	Takeo	3.9%	6.4%	0.5%	5.6%	0.8%	2.4%	1.8%	3.7%	4.0%	5.0%
22	Krong Kaeb	1.5%	4.4%	0.4%	0.9%	1.1%	3.2%	330.0%	1.6%	4.9%	3.7%
23	Oddar Meanchey	%	%	%	%	1.1%	0.3%	0.8%	6.2%	0.0%	8.7%
24	Krong Pailin	%	%	0.6%	3.4%	1.3%	11.3%	0.3%	7.5%	3.1%	6.0%
	<b>Country coverage</b>	<b>3.2%</b>	<b>2.5%</b>	<b>2.9%</b>	<b>4.8%</b>	<b>3.6%</b>	<b>5.6%</b>	<b>3.3%</b>	<b>5.3%</b>	<b>3.5%</b>	<b>5.0%</b>

#### 4.5 EPI Coverage : Measles

Code	Province	1997		1998		1999		2000		2001		2002	
		Measles		Measles		Measles		Measles		Measles		Measles	
		Doses	%	Doses	%	Doses	%	Doses	%	Doses	%	Doses	%
1	Banteay Meanchey	12,468	65%	13,244	67%	13,387	70%	12,847	75.2%	15,868	73.5%	16,524	76.6%
2	Bat Dambang	28,907	71%	29,828	72%	26,305	70%	23,135	68.5%	20,869	72.1%	20,695	70.4%
3	Kampong Cham	27,339	74%	22,708	59%	24,562	7%	27,240	71.0%	34,808	62.6%	31,518	58.7%
4	Kampong Chhnang	29,594	84%	27,983	77%	28,569	72%	23,800	66.8%	9,875	57.5%	10,532	72.2%
5	Kampong Spueu	37,935	60%	35,542	54%	37,118	58%	34,998	60.9%	14,368	54.0%	14,920	66.7%
6	Kampong Thum	17,711	83%	11,107	76%	11,168	67%	9,045	60.7%	13,504	66.3%	12,402	62.6%
7	Kampot	13,853	65%	16,843	77%	16,539	69%	13,657	63.9%	12,537	64.9%	11,193	58.3%
8	Kandal	21,082	70%	21,465	69%	19,903	63%	20,857	74.0%	27,572	72.1%	25,429	65.0%
9	Kaoh Kong	14,184	71%	14,486	71%	15,177	72%	13,834	73.4%	1,708	36.6%	1,670	40.7%
10	Kracheh	2,468	47%	1,928	36%	2,470	40%	2,920	52.6%	6,852	70.4%	4,065	41.4%
11	Modulkiri	1,642	53%	970	30%	1,645	31%	2,044	43.4%	356	23.8%	335	24.4%
12	Phnom Penh	8,893	65%	8,178	61%	9,329	65%	10,367	80.6%	24,009	68.9%	22,573	66.7%
13	Preah Vihear	20,682	73%	18,106	63%	19,502	62%	20,267	71.7%	3,427	75.1%	1,501	35.4%
14	Prey Veang	13,533	64%	12,747	58%	15,007	65%	15,478	75.1%	23,261	66.7%	20,662	59.2%
15	Pousat	22,597	78%	18,337	60%	22,760	74%	22,223	81.4%	10,428	81.0%	9,315	72.4%
16	Rotanak Kiri	13,721	64%	13,484	62%	14,504	64%	14,270	70.3%	1,892	54.9%	2,268	65.9%
17	Siem Reap	2,046	48%	2,189	50%	2,210	46%	3,771	88.6%	22,379	85.7%	20,759	79.5%
18	Krong P.Sihanouk	4,059	44%	3,086	29%	4,252	40%	6,658	70.9%	2,689	49.8%	2,811	53.3%
19	Stueng Traeng	1,381	32%	1,969	35%	1,778	55%	1,485	51.3%	1,457	48.1%	1,962	70.2%
20	Svay Rieng	268	28%	338	33%	401	31%	624	53.9%	12,224	68.3%	11,282	67.7%
21	Takaev	1,014	37%	825	65%	1,278	34%	2,017	60.0%	20,651	69.6%	19,633	65.9%
22	Krong Kaeb	560	56%	509	50%	421	37%	470	45.9%	2,530	57.6%	2,446	55.7%
23	Otdar Meanchey							1,206	49.4%	624	58.2%	603	57.6%
24	Krong Pailin					417	46%	614	41.4%	536	38.4%	442	30.2%
	<b>Country coverage</b>	<b>289,937</b>	<b>68%</b>	<b>275,872</b>	<b>63%</b>	<b>288,285</b>	<b>63%</b>	<b>283,827</b>	<b>69.0%</b>	<b>284,424</b>	<b>69.2%</b>	<b>265,540</b>	<b>64.6%</b>

## *Human Resources and Government Budget*

- 5.1 Number of MoH staff at Central level, 2002*
- 5.2 Number of MoH staff by provinces and total country, 2002*
- 5.3 Expenditure of Health (Province and Central Level)*

5.1 Number of MoH staff at Central level, 2002

ល.រ	ឈ្មោះខេត្ត-ក្រុង	រដ្ឋបាល	គ្រូពេទ្យ	ឱសថការី	ឱសថការី មធ្យម	មនុស្សបញ្ជាក់	មន្ត្រីពេទ្យ	ប្រធាន រោងចេញសា	គិលានុប្បវេណីមធ្យម	គិលានុប្បវេណីកម្រិត	អ្នកបម្រុង	អ្នកពិសោធន៍ មធ្យម	អ្នកពិសោធន៍ បឋម	បុគ្គលិកនិយោជន៍ ដទៃទៀត	បុគ្គលិក ដទៃទៀត	កម្មករ	អ្នកបើកបរ	សរុប	
1	ខុទ្ទកាល័យ	0	1	0	0	0	0	0	0	0	0	0	0	0	4	0	0	5	
2	អគ្គ.ថវិ.ហិរញ្ញ	1	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	4	
3	នា.បុគ្គលិក	12	9	0	2	0	0	0	2	2	6	0	1	0	3	8	0	45	
4	នា.រដ្ឋបាល	3	7	0	0	0	0	0	6	0	5	0	0	10	6	0	7	44	
5	នា.ថវិ.ហិរញ្ញ	2	7	4	0	1	0	0	3	0	6	0	0	42	8	7	2	82	
6	អគ្គ.បច្ចេកទេសសុខាភិបាល	5	4	1	0	0	0	0	0	0	1	0	0	0	2	0	0	13	
7	នា.ផែនការ	17	7	2	0	0	0	0	3	0	0	0	0	5	2	0	0	36	
8	នា.ការពារ	13	11	1	0	6	0	0	31	0	1	0	0	0	0	0	0	63	
9	នា.មន្ទីរពេទ្យ	23	2	3	1	0	0	0	1	0	2	0	0	0	0	0	0	32	
10	នា.ធនធានមនុស្ស	17	3	2	0	0	0	0	8	0	4	0	0	1	0	0	0	35	
11	នា.ឱសថ.ចំណី.អាហារ	0	1	72	4	0	0	0	0	0	0	0	0	12	8	0	0	97	
12	នា.ប្រយុទ្ធនឹងជំងឺ	22	3	0	0	0	0	0	0	0	0	0	0	0	1	0	0	26	
13	អគ្គាធិការដ្ឋាន	5	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	7	
14	ការ.ទូន្មានទំនងអន្តរជាតិ	3	3	0	1	0	0	0	0	2	1	0	0	1	1	2	0	14	
15	វិទ្យាស្ថានប៉ាស្ទ័រ	5	1	7	0	0	0	0	5	0	1	0	6	5	2	0	0	32	
16	ម.ព កាល់ម៉ែត្រ	101	22	9	1	1	1	2	168	11	23	1	15	2	7	8	1	387	
17	ម.ព ព្រះសីហនុ	139	36	7	5	8	1	4	182	26	69	2	19	6	8	15	3	538	
18	ម.ព ព្រះកុសមៈ	83	37	6	0	4	3	5	165	18	12	0	8	0	7	3	4	364	
19	ម.ព អង្គឌួង	50	13	5	0	7	3	1	45	7	6	1	7	4	2	0	0	157	
20	ម.ព គន្ធបុប្ផា	26	11	4	0	0	0	3	138	11	3	0	14	0	2	2	0	214	
21	ម.ព កុមារជាតិ	54	9	6	2	1	1	1	106	14	0	0	9	2	9	6	3	223	
22	មជ្ឈ.គាំពារមាតា	84	23	10	4	2	0	0	82	28	115	0	10	0	9	2	12	395	
23	មជ្ឈ.លើកកម្ពស់សុខភាព	35	11	2	1	0	0	0	7	0	0	0	0	0	7	3	0	66	
24	មជ្ឈ.កំចាត់របេង.ហង់សិន	54	15	6	4	0	0	3	61	5	1	0	13	3	4	2	5	182	
25	មជ្ឈ.ប្រ.អេដស៍	66	12	1	0	0	0	0	25	0	4	0	7	2	7	3	3	130	
26	មជ្ឈ.គ្រុនចាញ់	36	10	1	3	0	0	1	19	2	0	0	10	1	4	0	3	93	
27	មជ្ឈ.ផ្តល់ឈាម	7	2	3	0	0	0	0	9	1	0	0	7	3	3	0	2	39	
28	ប្តូរវ៉ាង.ឱកណ្តាល	5	0	11	3	0	0	0	0	0	0	0	1	0	2	8	5	44	
29	ជី.គុ.ភាពឱសថ	1	0	15	2	0	0	0	4	0	0	0	2	2	9	0	0	38	
30	មជ្ឈ.ស្រាវជ្រាវវេជ្ជ.បុរាណ	5	4	7	5	0	0	0	1	0	0	0	0	0	4	0	1	43	
31	វិទ្យាស្ថានសុខភាពសាធារណៈ	31	7	1	0	0	0	0	7	0	0	0	31	2	5	0	2	87	
32	សកល.វិ.សុខា	14	2	7	0	0	0	2	16	3	9	0	6	0	4	1	1	67	
33	ក្បួនចាត់ក្រហម	3	2	0	0	0	0	0	0	3	0	0	0	0	3	6	14	40	
34	សណ្ឋាគារវេជ្ជសាស្ត្រ	30	4	7	1	25	7	0	13	0	1	0	0	7	3	12	0	120	
	<b>សរុប</b>	<b>952</b>	<b>281</b>	<b>201</b>	<b>39</b>	<b>55</b>	<b>16</b>	<b>22</b>	<b>1,107</b>	<b>133</b>	<b>270</b>	<b>4</b>	<b>166</b>	<b>41</b>	<b>175</b>	<b>113</b>	<b>66</b>	<b>121</b>	<b>3,762</b>

5.2 Number of MoH staff by province and total country, 2002

ល.រ	ឈ្មោះខេត្ត-ក្រុង	វេជ្ជបណ្ឌិត	គ្រូពេទ្យមធ្យម	ឱសថការី	ឱសថការី មធ្យម	ទន្តបណ្ឌិត	ទន្តពេទ្យ	ព្យាបាល ដោយមនុស្ស	គិលានុប្បដ្ឋាកម្ម	គិលានុប្បដ្ឋាកម្មបឋម	អ្នកមធ្យម	អ្នកបឋម	អ្នកពិសោធន៍ មធ្យម	អ្នកពិសោធន៍ បឋម	បុគ្គលិក ដទៃទៀត	សរុប
1	បន្ទាយមានជ័យ	54	60	5	5	4	6	3	202	261	112	61	11	11	159	954
2	បាត់ដំបង	104	89	26	7	7	10	2	418	407	232	105	19	29	82	1,537
3	កំពង់ចាម	135	80	17	9	7	5	2	432	294	177	135	10	3	82	1,388
4	កំពង់ឆ្នាំង	38	27	8	4	1	2	1	111	169	52	67	4	2	18	504
5	កំពង់ស្ពឺ	68	54	9	7	10	0	2	122	270	54	36	12	1	10	655
6	កំពង់ធំ	50	38	6	3	2	3	2	121	164	60	104	14	1	134	702
7	កំពត	57	44	10	5	1	2	0	182	120	72	51	8	1	154	707
8	កណ្តាល	132	92	18	12	7	10	2	241	249	86	94	19	8	149	1,119
9	កោះកុង	27	24	3	5	2	2	0	36	21	21	11	2	1	10	165
10	ក្រចេះ	23	32	5	5	2	3	0	83	119	50	30	4		28	384
11	មណ្ឌលគិរី	5	21	1	2	2	4	0	35	34	11	2	0	0	14	131
12	ភ្នំពេញ	106	112	20	9	4	10	0	164	129	98	41	17	18	54	782
13	ព្រះវិហារ	11	8	2	2	1	1	0	44	36	24	34	1	10	20	194
14	ព្រៃវែង	60	99	13	7	2	6	2	155	386	48	168	13	1	89	1,049
15	ពោធិសាត់	38	44	3	2	1	2	3	190	71	107	20	5	12	47	545
16	រតនគិរី	12	10	1	2	2	2	0	47	98	11	48	2	0	15	250
17	សៀមរាប	61	50	13	8	2	2	3	222	140	133	49	6	8	25	722
18	ក្រុងព្រះសីហនុ	44	24	14	5	3	2	1	80	52	37	20	6	0	15	303
19	ស្ទឹងត្រែង	11	13	3	2	0	1	0	50	37	36	18	1	0	53	225
20	ស្វាយរៀង	43	27	5	1	3	2	2	106	210	29	34	7	1	23	493
21	តាកែវ	70	83	12	10	2	6	2	220	186	56	44	21	6	70	788
22	ឧត្តរមានជ័យ	15	4	3	0	2	0	0	26	44	6	9	1	1	60	171
23	ក្រុងកែប	8	3	2	0	1	0	0	11	29	5	1	1	0	3	64
24	ក្រុងប៉ៃលិន	13	16	2	6	1	2	0	25	36	15	3	1	4	15	139
	សរុប	1,131	994	196	113	65	77	24	3,121	3,301	1,420	1,124	174	107	1,170	13,017