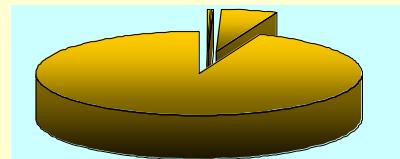
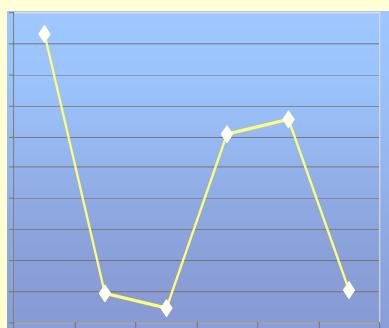
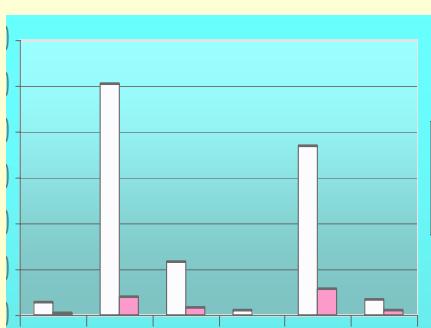
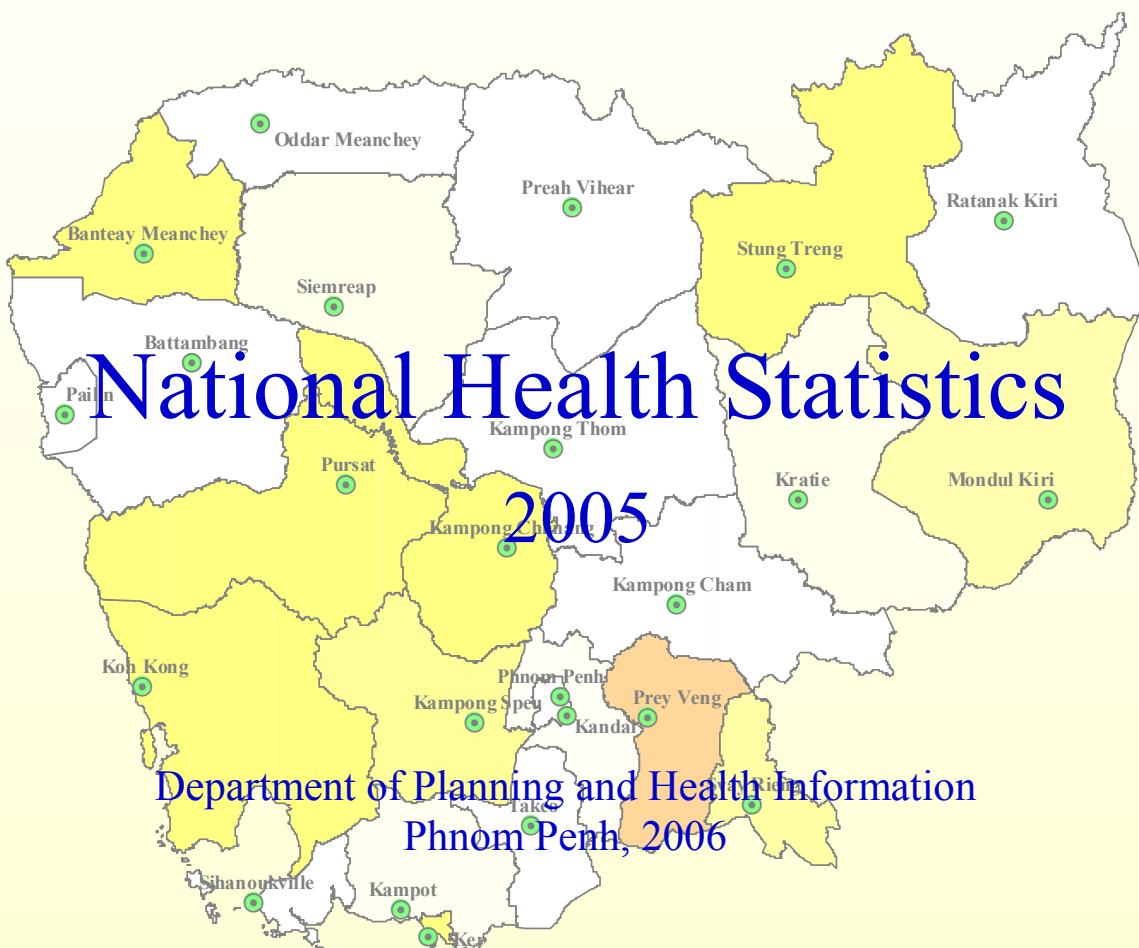




Kingdom of Cambodia  
Nation Religion King

Ministry of Health



## FOREWORD

An important aspect of Health Planning and Management is the collection, analysis and use of reliable health information . Indeed, an effective health information system contributes significantly to effective monitoring and evaluation of the progress of health system development in Cambodia .

This eleventh National Health Statistics Report provides a wide range of information to all information users. Health care providers, managers and others at all levels are increasingly using health information obtained through the National Health Information system not merely for management of health service delivery and planning, but also for monitoring and evaluation of their activities and programs.

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

Director General for Health

Phnom Penh, , 2006

## Table of Contents

<b>Data coverage</b>	4
<b>Summary of Main Health Indicators</b>	5
<b>1 - Geo-demographic Data</b>	5
1.1 Estimated population (million)	5
1.2 Crude Birth Rate	5
1.3 Estimated population under 1 year	5
<b>2 - Utilization of Health Services</b>	12
2.1 Out-patient consultations and number of new cases by province	13
2.2 Out-patient consultations and number of new cases in national hospital	13
2.3 Out-patient consultations and new cases by age group by province	14
2.4 Out-patient consultations and new cases by age group in national hospital	14
2.5 Antenatal Care Activities	15
2.5.1 Antenatal consultations by province	15
2.5.2 Antenatal consultations in national hospitals	15
2.5.3 Number and percentage of at risk pregnancies and cases referred by province	16
2.5.4 Number and percentage of at risk pregnancies and cases referred in national hospitals	16
2.6 Delivery Activities	17
2.6.1 Home deliveries, health center deliveries and hospital deliveries	17
2.6.2 Problems related to deliveries (still birth, dystocia, cesarean section, maternal deaths)	18
2.7 Birth Spacing Activities	19
2.8 Expanded program of immunization activities	20
2.8.1 Immunization coverage of children under 1 year of age by province	20
2.8.2 Tetanus toxoid coverage for women of child bearing age and pregnant women by province	21
2.9 Hospital Activities	22
2.9.1 Number and type of hospital discharges by province	22
2.9.2 Main hospital indicators by province	26
2.9.3 Bed occupancy rate (BOR) by province	30
<b>3 - Health Problems</b>	31
3.1 Main health problems of health center outpatient consultations by age group	32
3.2 Frequency and age distribution of main health problems among inpatients	33
3.3 Main health problem of inpatients	38
3.4 Cases, deaths and hospital case fatality rate of main IPD health problems	39
3.5 Specific health problems	40
3.5.1 Tuberculosis	40
3.5.2 Malaria	41
3.5.3 Dengue	42
3.5.4 Cholera	43
3.5.5 Road and Mine accidents	44
<b>4 - Comparison of Main indicators of Service Utilization from 1997 to 2004</b>	45
4.1 Number of contacts by inhabitant per year	46
4.2 Bed occupancy rates	47
4.3 Antenatal coverage	48
4.4 Delivery coverage	49
4.5 EPI coverage: Measles	50
<b>5 - Human Resources and Government Budget</b>	51
5.1 Number of MoH staff at central level, 2004	52

## Data Coverage

<b>Code</b>	<b>Province</b>	<b>Period</b>	<b>Number of Reports Received</b>	<b>Reports not yet received</b>
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	12	
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	Jaya 7	January - December	12	
33	CENAT	January - December	12	

## INTRODUCTION

For more than a decade, the Ministry of Health's (MOH) Health Information Bureau (HIB) under the Department of Planning and Health Information (DPHI) has been publishing an annual compendium of health data called the National Health Statistics (NHS), based on statistics generated from the nationwide Health Information System (HIS). The current report follows this tradition in containing health statistics pertaining to the year 2005.

This edition of the report contains some differences from those of previous years, aimed primarily at making the data more easily understandable. For one, it contains color-coded maps for some of the key indicators. In addition, many more color bar graphs and pie charts have also been added. Finally, a brief narrative has been added for some of the key statistics. As noted in the following Table on data coverage, all 24 provinces, as well as the nine national hospitals have submitted regular monthly reports on patient statistics and utilization for 2005. Where necessary, these have been aggregated to show country-wide totals or averages.

A couple of caveats should be kept in mind while perusing the data. These data are exclusively based on information received from public health facilities and those national hospitals supported either fully or in part by public funds. In that sense, this report cannot provide an accurate picture of health status and utilization in the country, since many of our people either self-treat or access private health facilities whose data are not included in this report. The Bureau continues to make efforts to encourage private practitioners to file regular reports with the MOH in this regard. Interested readers may wish to consult findings from several recent national surveys such as the Cambodia Inter-censal Population Survey 2004 (CIPS), the Cambodia Socio-Economic Survey 2004-05 (CSES), and the Cambodia Demographic and Health Survey 2005-06 (CDHS) to supplement the information contained in this report. For road traffic accident injuries, additional information can be obtained from the Cambodia Road Traffic Accident and Victim Information System's monthly and annual reports published jointly by the Ministries of Interior, Health, and Public Works and Transport, with technical assistance from Handicap International Belgium ([www.cnctp.info](http://www.cnctp.info)).

For inquiries about the data contained in this report, or to provide suggestions for future improvements to the report, readers are encouraged to contact the Health Information Bureau, Department of Planning and Health Information at the Ministry of Health, 151-153 Kampuchea Krom Blvd, Phnom Penh, Tel: 023.427.368 or email: [buthsaben@yahoo.com](mailto:buthsaben@yahoo.com).

## Summary of National Health Indicators

<b>Demographic Data</b>		<b>Source</b>
1.1 Estimated population (million)	13.1 Millions	MoP
1.3 Crude Birth Rate	27.7 per 1,000 population	MoP
Estimated population under 1 year	2.6%	MoP
<b>Utilization of health services</b>		
<b>2.1 Outpatient</b>		
2.2.1 Total new cases	6,952,372	
2.2.2 Total consultations	7,365,581	
2.1.3 Health center consultations	6,628,858	
2.1.4 Hospital consultations	275,929	
2.1.5 Number of contacts by inhabitant per year	0.50	
<b>2.5 Antenatal care</b>		
2.5.1 ANC1 Coverage Rate	73.3%	
2.5.2 ANC2 Coverage Rate	52.2%	
Return rate	2.55	
<b>2.6 Delivery</b>		
Expected deliveries	392,543	
2.6.1 Deliveries reported	66.84%	
2.6.2 Delivery at HCs, Hospital by province	219,434	
2.6.3 Total delivery and delivery in National hospitals	42,946	
2.6.4 Percentage delivery at HCs	7.98%	
2.6.5 Percentage delivery at hospital	16.16%	
2.6.6 Percentage delivery trained by health staff	32.97%	
2.6.7 Dystocia	0.47%	
2.6.8 Hospital maternal mortality rates	0.04%	
<b>2.9 Hospital activities (not include TB)</b>		
2.9.1 Total number of Inpatients	287,151	
2.9.2 Hospitalization Rates	0.02	
2.9.3 Number of Beds	7,945	
2.9.4 Total inpatient days	1,753,547	
2.9.5 Bed occupancy rates	60.5%	
2.9.6 Average length of stay (days)	6	
Hospital mortality rates	1.7%	

### 3. Health problems

**3.1 Outpatient (% of total new cases consultation)**

ARI	35.94%
Cough >21 days	1.67%
Diarrhea	5.73%
Malaria	0.89%
Measles	0.02%
Neonatal tetanus	0.000%
Others	55.75%

**3.2 Inpatient (% of total inpatients)**

ARI	10.34%
Diarrhea	3.71%
Malaria	1.67%
Gyneco - obstetrics	3.23%
Dengue	2.59%
Road accidents	3.65%
Mine accidents	0.11%
Dysentery	1.33%
Others	67.25%

**3.4 Case Fatality Rates ( CFR )**

Malaria	2.90%
ARI	2.06%
Meningitis	9.63%
Road accidents	2.00%
Mine accidents	7.08%
Dengue	1.91%
Diarrhea	0.27%

**5 Human Resources**

5.1 Number of MoH staff central level, 2004	3,842
5.2 Number of MOH staff by province, 2004	17,126

## **I Geo-demographic data**

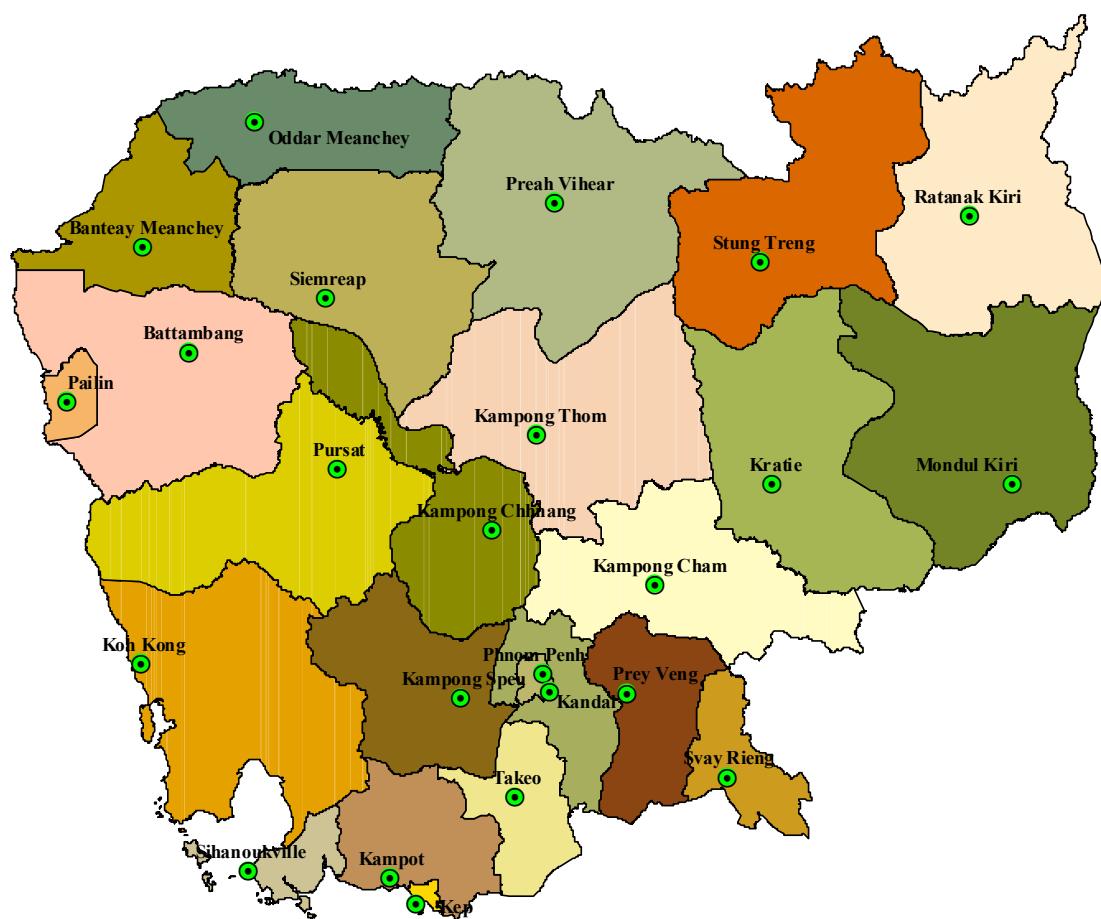
**1.1 Cambodia map**

**1.2 Geo-Demographic data by province, Cambodia**

**1.3 Socio-demographic indicators, Cambodia**

**1.4 Population of Cambodia**

## 1.1 Cambodia map



## 1.2 Geo-demographic data by province, Cambodia,2005

Code	Provinces	Area(Km2)	Density/Km2	Population	# Districts
1	Banteay Meanchey	6,679	86	773,092	8
2	Battambang	11,702	68	997,840	12
3	Kampong Cham	9,799	164	1,857,500	16
4	Kampong Chhnang	5,521	76	513,179	8
5	Kampong Speu	7,017	85	729,552	8
6	Kampong Thom	13,814	41	681,692	8
7	Kampot	4,873	108	602,624	8
8	Kandal	3,568	301	1,242,506	11
9	Koh Kong	11,160	12	191,468	8
10	Kratie	11,094	24	333,761	5
11	Mondulkiri	14,288	2	42,412	5
12	Phnom Penh	290	3,441	1,313,851	7
13	Preah Vihear	13,788	9	152,378	7
14	Prey Veng	4,883	194	1,044,376	12
15	Pursat	12,692	28	428,173	6
16	Rattanakiri	10,782	9	121,028	9
17	Siem Reap	10,299	68	861,214	12
18	Sihanouk Ville	868	179	209,005	3
19	Stung Treng	11,092	7	103,933	5
20	Svay Rieng	2,966	161	538,180	7
21	Takeo	3,563	222	900,880	10
22	Oudar Meanchey	6,158	11	97,803	4
23	Kep Ville	336	85	37,786	2
24	Pailin Ville	803	28	32,690	2
<b>Total:</b>		181,035		13,806,923	183

Source : Provincial Health Department 2005

## 1.3 Socio-demographic indicators

### **Demographic**

<b>Population</b>	13.1 Millions
Urban	15%
Rural	85%
Males	48.3%
Females	51.7%
Sex Ratio (number of males for 100 females)	93.5%
Distribution of population by age group(1)	
0 – 4 years	11.0%
0-14 years	39.0%
5-14 years	27.0%
15 – 49 years (Women in reproductive age only)	26.0%
Annual Population Growth Rate	1.8%
Male Life expectancy at birth	60
Female Life expectancy at birth	65
Number of regular households	2,530,000
Average households size	5.1
Density per km <sup>2</sup>	74

### **Health**

Total Fertility Rate (TFR)	3.3 <sup>1</sup>
Infant Mortality Rate (IMR)	66 per 1,000 live births <sup>1</sup>
Under 5 Mortality Ratio (U5MR)	83 per 1,000 live births <sup>1</sup>
Maternal Mortality Ratio (MMR)	437 per 100,000 live births <sup>2</sup>
Crude Birth Rate (CBR)	27.7 per 1,000 population
Contraceptive Prevalence rate (any method) (CPR)	24%
Percentage of households with access to safe drinking water (total)	44% <sup>1</sup>
- Urban	72%
- Rural	40%
Percentage of households with toilets facility within premise (total)	22%
- Urban	55%
- Rural	16%

### **Education**

Adult literacy age 15 and over (total)	74% <sup>1</sup>
- Male	85%
- Female	64%
- Urban (both sexes)	84%
- Rural (both sexes)	72%

### **Economic**

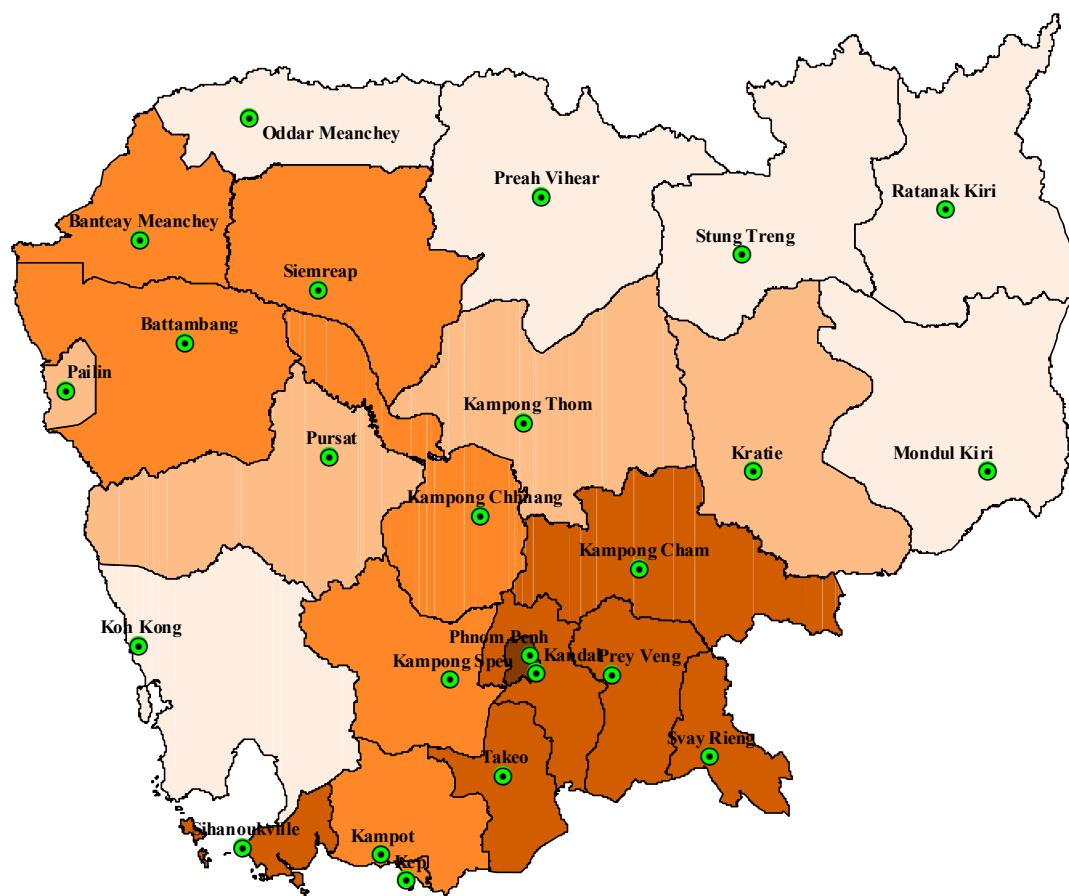
Government expenditures on health care per capita per year (USD)	2.96 <sup>3</sup>
Household expenditures on health care	US\$ 24

(1) National Institute , Ministry of Planning,Cambodia Inter\_censal Population Survey 2004,general report

(2) Ministry of Health, Ministry of Planning, Cambodia Demographic and Health Survey 2000

(3) Ministry of Health, DPHI, Joint Annual Performance Review 2005

## 1. 4 Population Density



## **2 . Utilization**

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

## **Outpatient Consultations**

The following section presents information on aggregate outpatient consultations (OPD) both new and total by province and national hospital, and broken down by age groups. The overall number of contacts per inhabitant per year was 0.50 for Cambodia as a whole. This figure has shown a steadily increasing trend over the past few years. For the provinces as a whole, including both health centers and referral hospitals, total number of new cases seen were 6.26 million, of which 5.93 million presented at health centers. Total new cases at the national hospitals were 0.70 million with the highest numbers being recorded at the National Maternal and Child Health Center hospital (196,208) and the Kantha Bopha hospitals (194,919). As expected, a significant proportion of the new cases belonged to the 15-49 years age group (42%) primarily women of reproductive age who were seen at the NMCHC, with the next highest recorded by children 0-4 years old (22.6%) seen at the Kantha Bopha hospitals.

## 2 . 1 Out patient consultations and number of new cases by province

		Health Center		Hospital				Number Contact	
		New Cases	Total cases	Referred Consultation		Self Referred		Total New Cases	/ Inhabitant/year
				OD	Other District	OD	Other District		
Banteay Meanchey	Monkul Borei	109,528	139,011	187	410	4,720	5,310	120,155	
	Or Chrov	60,252	70,569	291	294	2,583	101	63,521	
	Preah Net Preah	58,531	70,646	87	20	1,285	0	59,923	
	Thmar Pouk	75,811	85,985	641	5	2,090	178	78,725	
	<b>Sub_total</b>	<b>304,122</b>	<b>462,129</b>	<b>2,433</b>	<b>563</b>	<b>18,371</b>	<b>4,771</b>	<b>330,260</b>	<b>0.43</b>
Bat Dambang	Mong Rossey	59,299	67,015	1,091	0	6,852	898	68,140	
	Sampov Loun	35,745	37,206	447	12	1,632	150	37,986	
	Sangke	81,066	113,781	15	2	53	6	81,142	
	Svay Por	118,045	154,277	784	548	8,274	3,698	131,349	
	Thmar Koul	74,908	89,850	96	1	1,560	19	76,584	
	<b>Sub_total</b>	<b>369,063</b>	<b>462,129</b>	<b>2,433</b>	<b>563</b>	<b>18,371</b>	<b>4,771</b>	<b>395,201</b>	<b>0.40</b>
Kampong Cham	Chamkar Leu	46,020	52,956	41	4	1,010	39	47,114	
	Choeng Prey	117,233	128,092	105	131	944	213	118,626	
	Kampong Cham	141,303	150,401	139	270	2,569	4,983	149,264	
	Kroch Chmar	33,475	41,941	36	0	802	114	34,427	
	Memut	74,508	83,642	51	1	4,919	736	80,215	
	O Reang Ov	50,461	63,245	15	0	833	147	51,456	
	Ponhea Krek	99,275	114,637	488	5	5,487	241	105,496	
	Prey Chhor	104,888	116,200	31	0	736	3	105,658	
	Srei Santhor	76,471	94,057	298	35	0	0	76,804	
	Tbong Khmum	82,255	94,982	65	102	1,531	674	84,627	
	<b>Sub_total</b>	<b>825,889</b>	<b>940,153</b>	<b>1,269</b>	<b>548</b>	<b>18,831</b>	<b>7,150</b>	<b>853,687</b>	<b>0.46</b>
Kampong Chhnang	Kampong Chhnang	168,572	175,366	288	196	7,116	573	176,745	
	Kampong Tralach	73,263	76,565	190	5	420	17	73,895	
	<b>Sub_total</b>	<b>241,835</b>	<b>251,931</b>	<b>478</b>	<b>201</b>	<b>7,536</b>	<b>590</b>	<b>250,640</b>	<b>0.49</b>
Kampong Speu	Kampong Speu	146,374	168,454	22	24	7,412	3,389	157,221	
	Korng Pisey	87,695	108,236	69	35	1,128	480	89,407	
	Oudong	58,124	80,025	248	124	1,030	522	60,048	
	<b>Sub_total</b>	<b>292,193</b>	<b>356,715</b>	<b>339</b>	<b>183</b>	<b>9,570</b>	<b>4,391</b>	<b>306,676</b>	<b>0.42</b>
Kampong Thom	Baray Santuk	113,375	129,072	67	7	1,525	72	115,046	
	Kampong Thom	144,943	164,710	17	24	3,042	1,004	149,030	
	Stong	56,702	60,803	75	0	1,641	0	58,418	
	<b>Sub_total</b>	<b>315,020</b>	<b>354,585</b>	<b>159</b>	<b>31</b>	<b>6,208</b>	<b>1,076</b>	<b>322,494</b>	<b>0.47</b>
Kampot	Angkor Chey	33,485	37,361	5	2	0	13	33,505	
	Chhouk	52,642	60,020	249	0	1,533	0	54,424	
	Kampong Trach	35,489	38,121	10	0	1,579	1,034	38,112	
	Kampot	36,478	36,699	0	0	1,640	3,313	41,431	
	<b>Sub_total</b>	<b>158,094</b>	<b>172,201</b>	<b>264</b>	<b>2</b>	<b>4,752</b>	<b>4,360</b>	<b>167,472</b>	<b>0.28</b>

Kandal	Ang Snoul	44,632	54,034	0	0	0	0	44,632
	Kean Svay	137,131	163,285	242	90	9,151	291	146,905
	Khsach Kandal	84,006	104,935	159	5	2,617	58	86,845
	Koh Thom	91,131	108,585	163	0	2,665	259	94,218
	Muk Kam Poul	55,715	63,807	0	0	0	0	55,715
	Ponhea Leu	64,093	72,379	2,754	3,576	0	0	70,423
	Saang	69,006	79,427	226	73	1,833	125	71,263
	Takhmao	164,187	184,905	795	509	2,661	3,231	171,383
	<b>Sub_total</b>	<b>709,901</b>	<b>831,357</b>	<b>4,339</b>	<b>4,253</b>	<b>18,927</b>	<b>3,964</b>	<b>741,384</b>
								<b>0.60</b>
Koh Kong	Smach Meanchey	18,322	20,009	84	0	2,725	32	21,163
	Sre Ambel	15,295	20,294	49	0	537	0	15,881
	<b>Sub_total</b>	<b>33,617</b>	<b>40,303</b>	<b>133</b>	<b>0</b>	<b>3,262</b>	<b>32</b>	<b>37,044</b>
								<b>0.19</b>
Kratie	Chhlong	52,987	59,746	862	0	1,803	285	55,937
	Kratie	56,292	66,083	488	186	1,466	608	59,040
	<b>Sub_total</b>	<b>109,279</b>	<b>125,829</b>	<b>1,350</b>	<b>186</b>	<b>3,269</b>	<b>893</b>	<b>114,977</b>
								<b>0.34</b>
Mondulkiri	Sen Monorom	40,693	41,012	75	4	1,530	37	42,339
	<b>Sub_total</b>	<b>40,693</b>	<b>41,012</b>	<b>75</b>	<b>4</b>	<b>1,530</b>	<b>37</b>	<b>42,339</b>
								<b>1.00</b>
Phnom Penh	Cheung	63,227	101,015	0	0	0	0	63,227
	Kandal	44,510	58,630	231	179	238	270	45,428
	Lech	84,101	102,333	0	0	0	0	84,101
	Tbong	79,695	101,425	0	0	0	0	79,695
	<b>Sub_total</b>	<b>271,533</b>	<b>363,403</b>	<b>231</b>	<b>179</b>	<b>238</b>	<b>270</b>	<b>272,451</b>
								<b>0.21</b>
Preah Vihear	Preah Vihear	95,379	102,949	11	35	2,081	21	97,527
	<b>Sub_total</b>	<b>95,379</b>	<b>102,949</b>	<b>11</b>	<b>35</b>	<b>2,081</b>	<b>21</b>	<b>97,527</b>
								<b>0.64</b>
Prey Veng	Kamchay Mear	44,363	47,164	361	61	1,235	107	46,127
	Kampong Trabek	46,215	49,085	12	0	138	191	46,556
	Mesang	38,464	45,775	117	0	1,867	193	40,641
	Neak Loung	87,669	95,838	133	244	1,139	2,443	91,628
	Peareang	200,357	220,339	178	60	3,522	457	204,574
	Preah Sdach	58,736	61,730	138	0	716	8	59,598
	Prey Veng	57,039	62,873	0	0	1,087	365	58,491
	<b>Sub_total</b>	<b>532,843</b>	<b>582,804</b>	<b>939</b>	<b>365</b>	<b>9,704</b>	<b>3,764</b>	<b>547,615</b>
								<b>0.52</b>
Pursat	Bakan	72,647	80,835	33	1	917	0	73,598
	Sampov Meas	119,930	128,823	148	117	1,841	461	122,497
	<b>Sub_total</b>	<b>192,577</b>	<b>209,658</b>	<b>181</b>	<b>118</b>	<b>2,758</b>	<b>461</b>	<b>196,095</b>
								<b>0.46</b>
Rotanak Kiri	Ratanakiri	66,608	75,095	725	0	1,453	0	68,786
	<b>Sub_total</b>	<b>66,608</b>	<b>75,095</b>	<b>725</b>	<b>0</b>	<b>1,453</b>	<b>0</b>	<b>68,786</b>
								<b>0.57</b>

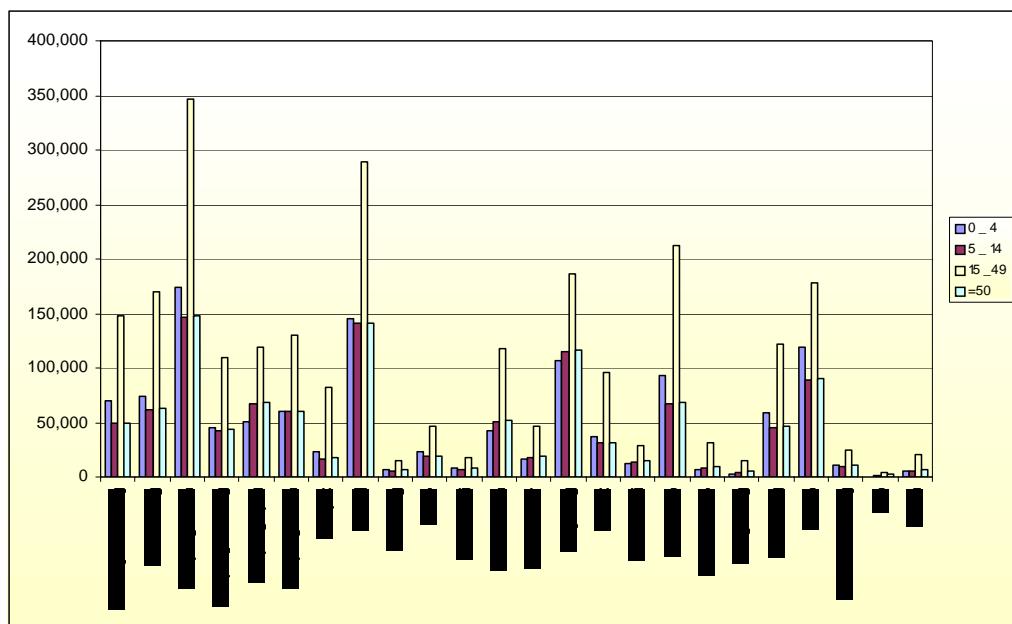
Siem Reap	Ang Kor Chhum	81,277	92,292	0	0	0	0	81,277	
	Kralanh	47,382	53,403	203	0	2,547	927	51,059	
	Siem Reap	101,663	114,374	137	49	5,339	2,277	109,465	
	Soth Nikum	199,928	208,619	264	26	10,729	3,171	214,118	
	<b>Sub_total</b>	<b>430,250</b>	<b>468,688</b>	<b>604</b>	<b>75</b>	<b>18,615</b>	<b>6,375</b>	<b>455,919</b>	<b>0.53</b>
Sihanouk Ville	Sihanouk Ville	59,450	84,636	45	0	0	0	59,495	
	<b>Sub_total</b>	<b>59,450</b>	<b>84,636</b>	<b>45</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>59,495</b>	<b>0.28</b>
Stung Treng	Steung Treng	29,808	31,819	358	2	1,549	178	31,895	
	<b>Sub_total</b>	<b>29,808</b>	<b>31,819</b>	<b>358</b>	<b>2</b>	<b>1,549</b>	<b>178</b>	<b>31,895</b>	<b>0.31</b>
Svay Rieng	Chi Phou	45,390	65,102	417	182	1,191	22	47,202	
	Romeas Hek	105,528	115,011	364	0	3,839	324	110,055	
	Svay Rieng	127,538	150,629	237	45	10,478	1,387	139,685	
	<b>Sub_total</b>	<b>278,456</b>	<b>330,742</b>	<b>1,018</b>	<b>227</b>	<b>15,508</b>	<b>1,733</b>	<b>296,942</b>	<b>0.55</b>
Takeo	Ang Rokar	107,736	117,983	1,282	0	771	26	109,815	
	Bati	85,199	84,583	0	0	13,081	5,484	103,764	
	Daun Keo	80,164	80,344	55	74	2,940	40,848	124,081	
	Kirivong	118,885	120,951	270	2	10,135	520	129,812	
	Prey Kabass	83,662	83,999	0	0	0	0	83,662	
	<b>Sub_total</b>	<b>475,646</b>	<b>487,860</b>	<b>1,607</b>	<b>76</b>	<b>26,927</b>	<b>46,878</b>	<b>551,134</b>	<b>0.61</b>
Otdar Meanchey	Samrong	54,384	60,374	375	0	1,621	89	56,469	
	<b>Sub_total</b>	<b>54,384</b>	<b>60,374</b>	<b>375</b>	<b>0</b>	<b>1,621</b>	<b>89</b>	<b>56,469</b>	<b>0.58</b>
Krong Keb	Kep Ville	10,890	6,754	10	0	8,087	0	18,987	
	<b>Sub_total</b>	<b>10,890</b>	<b>6,754</b>	<b>10</b>	<b>0</b>	<b>8,087</b>	<b>0</b>	<b>18,987</b>	<b>0.50</b>
Krong Pailin	Pailin Ville	38,121	38,915	184	0	925	7	39,237	
	<b>Sub_total</b>	<b>38,121</b>	<b>38,915</b>	<b>184</b>	<b>0</b>	<b>925</b>	<b>7</b>	<b>39,237</b>	<b>1.20</b>
	<b>Grand Total</b>	<b>5,935,651</b>	<b>6,882,041</b>	<b>19,560</b>	<b>7,611</b>	<b>200,093</b>	<b>91,811</b>	<b>6,254,726</b>	<b>0.45</b>

## 2 . 2 Out patient consultations and number of new cases in National Hospitals

Calmette	Calmette	8,362	27,345	0	0	10,398	8,243	27,003
	<b>Sub_total</b>	<b>8,362</b>	<b>27,345</b>	<b>0</b>	<b>0</b>	<b>10,398</b>	<b>8,243</b>	<b>27,003</b>
MCH	MCH	196,208	242,296	0	0	0	0	196,208
	<b>Sub_total</b>	<b>196,208</b>	<b>242,296</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>196,208</b>
NPH	NPH	33,722	74,183	0	0	0	0	33,722
	<b>Sub_total</b>	<b>33,722</b>	<b>74,183</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>33,722</b>
Kossamak	Kossamak	16,721	17,817	0	0	0	0	16,721
	<b>Sub_total</b>	<b>16,721</b>	<b>17,817</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>16,721</b>
Norodom Sihanouk	Norodom Sihanouk	8,750	65,482	0	0	0	0	8,750
	<b>Sub_total</b>	<b>8,750</b>	<b>65,482</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8,750</b>
Ang Doung	Ang Doung	38,602	39,324	0	0	0	0	38,602
	<b>Sub_total</b>	<b>38,602</b>	<b>39,324</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>38,602</b>
Kunthak Bopha	Kunthak Bopha	194,919	348,680	0	0	0	0	194,919
	<b>Sub_total</b>	<b>194,919</b>	<b>348,680</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>194,919</b>
CENAT	CENAT	3,511	11,516	0	0	0	0	3,511
	<b>Sub_total</b>	<b>3,421</b>	<b>11,516</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,421</b>
JAYA7	JAYA7	178,300	251,552	0	0	0	0	178,300
	<b>Sub_total</b>	<b>178,300</b>	<b>251,552</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>178,300</b>
	<b>Grand Total</b>	<b>679,005</b>	<b>1,078,195</b>	<b>0</b>	<b>0</b>	<b>10,398</b>	<b>8,243</b>	<b>697,646</b>
	<b>Whole Country</b>	<b>6,614,656</b>	<b>7,960,236</b>	<b>19,560</b>	<b>7,611</b>	<b>210,491</b>	<b>100,054</b>	<b>6,952,372</b>
								<b>0.50</b>

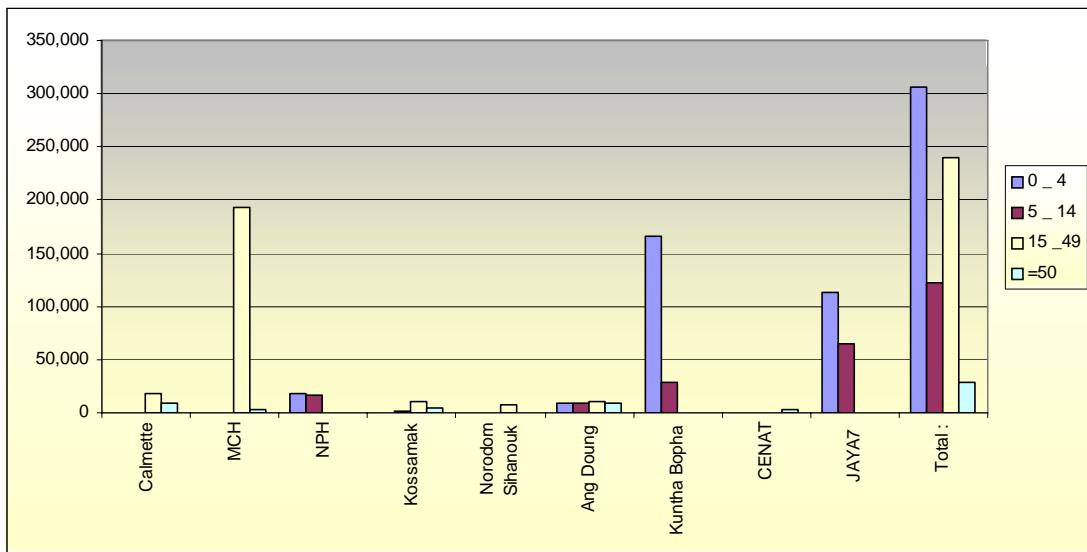
### 2 . 3 Out patient consultations, new case by province by age group at Health Centers

Province	OPD				Total
	0_4	5_14	15_49	> 50	
Banteay MeanChey	69,563	48,909	148,406	49,388	316,266
Battambang	73,984	61,984	170,523	62,958	369,449
Kampong Cham	174,337	146,843	346,026	148,201	815,407
Kampong Chhnang	45,085	42,495	109,410	43,469	240,459
Kampong Speu	50,066	67,693	118,527	68,667	304,953
Kampong Thom	60,468	59,858	129,590	60,832	310,748
Kampot	22,882	16,518	82,362	17,492	139,254
Kandal	145,809	140,427	289,440	141,401	717,077
Koh Kong	6,253	5,477	15,276	6,451	33,457
Kratie	23,754	18,861	46,039	19,835	108,489
Mondul Kiri	7,883	7,463	18,484	8,437	42,267
Phnom Penh	42,248	50,942	118,405	51,916	263,511
Preah Vihear	15,754	18,108	46,380	19,082	99,324
Prey Veng	107,068	115,420	185,701	116,394	524,583
Pursat	36,476	31,175	96,168	32,149	195,968
Rattank Kiri	12,462	14,007	29,345	14,981	70,795
Siem Reap	92,903	67,272	212,941	68,246	441,362
Sihanouk Ville	6,937	8,053	31,251	9,027	55,268
Stung Treng	3,253	4,358	15,283	5,332	28,226
Svay Rieng	59,574	45,470	122,117	46,444	273,605
Takeo	119,099	89,086	178,526	90,060	476,771
Oddar Mean Chey	11,394	10,030	25,203	11,004	57,631
Kep	218	1,573	4,525	2,547	8,863
Paillin	5,409	5,609	19,878	6,583	37,479
<b>Total : 1,192,879    1,077,631    2,559,806    1,100,896    5,931,212</b>					



## 2 . 4 Out patient consultations, new case by age group in National Hospital

<b>National Hospital</b>	<b>OPD</b>				<b>Total</b>
	<b>0_4</b>	<b>5_14</b>	<b>15_49</b>	<b>&gt; 50</b>	
Calmette	0	137	18,026	8,840	27,003
MCH	3	16	193,799	2,390	196,208
NPH	17,722	16,000	0	0	33,722
Kossamak	124	1,708	10,349	4,540	16,721
Norodom Sihanouk	0	58	7,971	721	8,750
Ang Doung	9,559	9,679	9,945	9,419	38,602
Kuntha Bopha	166,221	28,670	28	0	194,919
CENAT	0	0	0	3,421	3,421
JAYA7	112,691	65,602	7	0	178,300
<b>Total :</b>	<b>306,320</b>	<b>121,870</b>	<b>240,125</b>	<b>29,331</b>	<b>697,646</b>
<b>Whole Country</b>	<b>1,499,199</b>	<b>1,199,501</b>	<b>2,799,931</b>	<b>1,130,227</b>	<b>6,628,858</b>

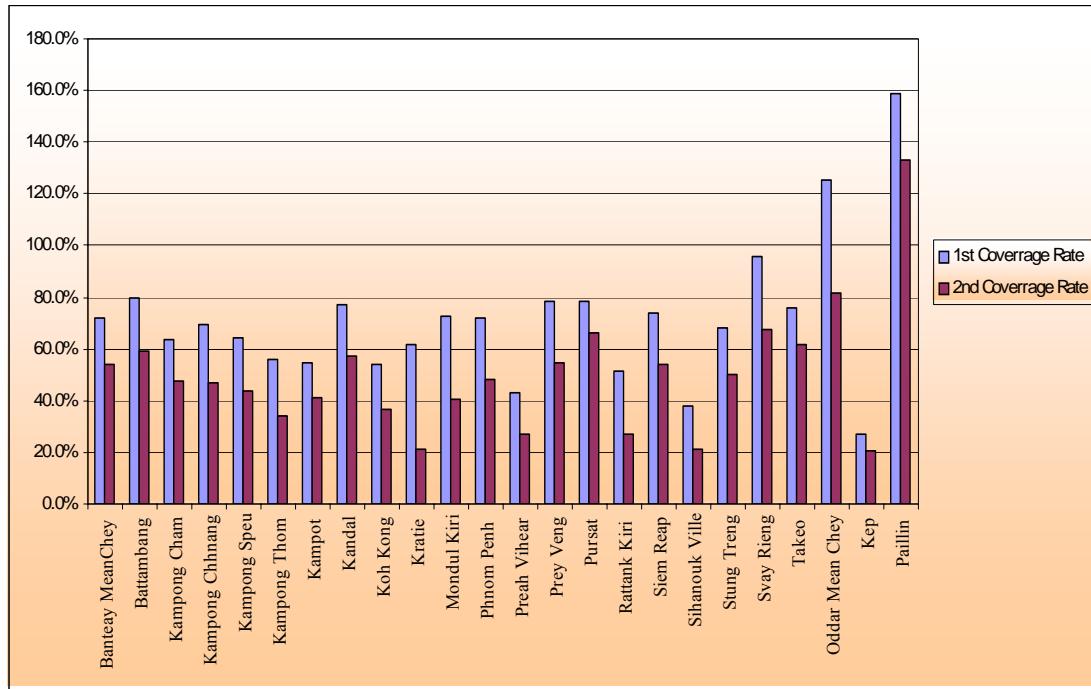


## **Antenatal Care**

Antenatal care consultations have shown a steadily increasing trend, along with outpatient consultations as described previously. The national average for a minimum of 2 visits was 52% in 2005 with the predominant number of such consultations taking place at provincial health facilities, as opposed to the national hospitals. As expected, coverage tends to decline as the number of ANC visits increase, from 73% for the first visit to 52% for the second. Calmette and the NMCHC both recorded the highest ANC visits with the NMCHC figure almost three times that recorded at Calmette. Across the provinces there is a wide range in performance, with Kep recording the lowest with 27%, and Pailin recording 159% (it is unclear whether the excess above 100% for Pailin is due to underestimates of the target population, or increased patient attendance from jurisdictions outside of the province). About 12% of all pregnancies were classified as at risk, and 2.2% were referred to hospitals.

## 2 . 5 Antenatal Care Activities

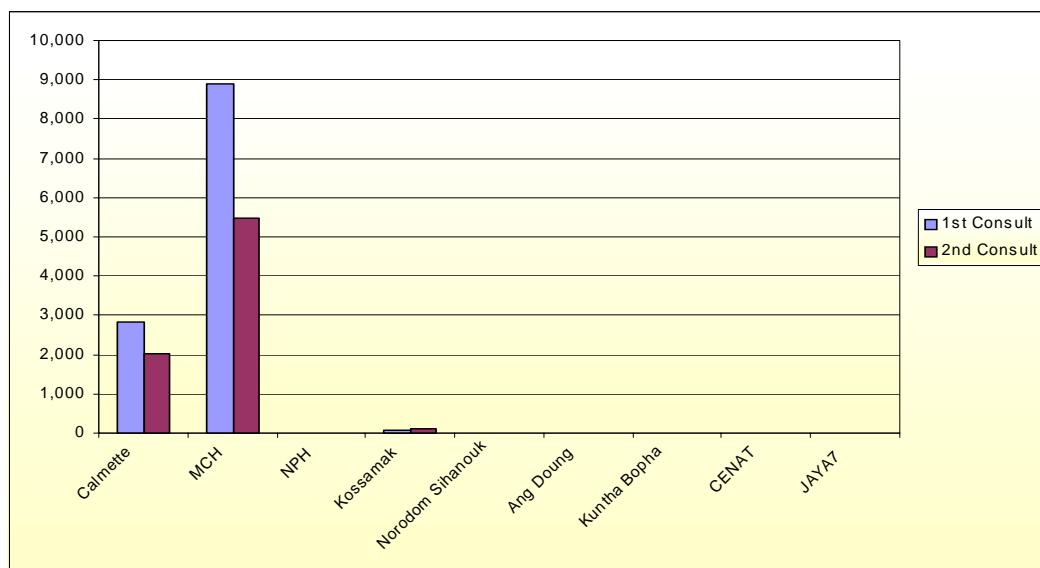
### 2.5.1 Antenatal consultations by province



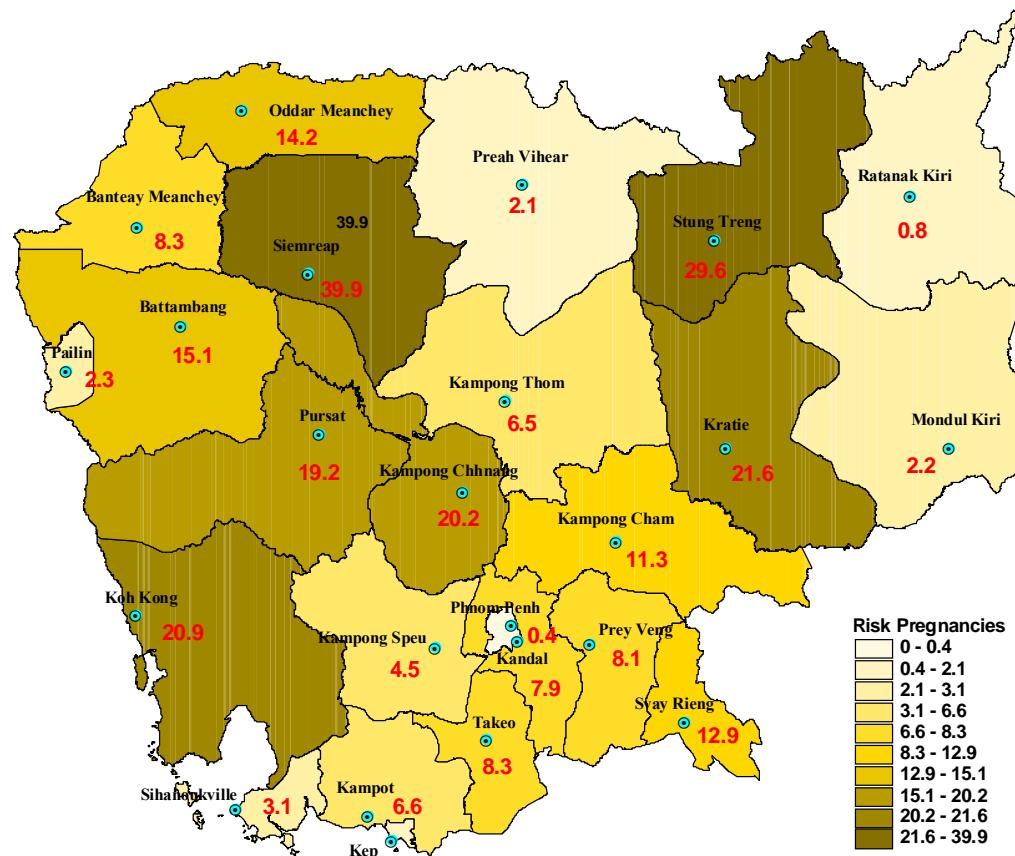
Province	Target Population	Health Center				1st Coverage Rate	2nd Coverage Rate
		1st Consult	2nd Consult	3rd Consult	Total		
Banteay MeanChey	22,806	16,402	12,342	6,854	42,600	71.9%	54.1%
Battambang	29,935	23,888	17,796	10,026	65,679	79.8%	59.4%
Kampong Cham	54,796	34,959	26,122	15,080	92,999	63.8%	47.7%
Kampong Chhnang	17,448	12,113	8,218	5,492	32,433	69.4%	47.1%
Kampong Speu	22,397	14,396	9,768	5,472	32,874	64.3%	43.6%
Kampong Thom	20,587	11,468	6,950	3,349	24,692	55.7%	33.8%
Kampot	17,054	9,313	7,042	3,191	22,287	54.6%	41.3%
Kandal	32,119	24,723	18,418	10,214	60,397	77.0%	57.3%
Koh Kong	5,478	2,956	2,020	1,244	7,366	54.0%	36.9%
Kratie	10,620	6,523	2,270	1,090	8,506	61.4%	21.4%
Mondul Kiri	1,713	1,247	689	335	2,520	72.8%	40.2%
Phnom Penh	26,224	18,903	12,596	8,407	48,934	72.1%	48.0%
Preah Vihear	4,675	2,011	1,253	621	4,235	43.0%	26.8%
Prey Veng	27,697	21,753	15,153	8,690	54,524	78.5%	54.7%
Pursat	13,620	10,682	9,044	6,111	33,475	78.4%	66.4%
Rattank Kiri	5,009	2,592	1,355	753	5,044	51.7%	27.0%
Siem Reap	27,662	20,404	14,921	7,634	51,253	73.8%	53.9%
Sihanouk Ville	5,984	2,276	1,285	776	5,186	38.0%	21.5%
Stung Treng	3,239	2,197	1,621	841	5,131	67.8%	50.1%
Svay Rieng	13,524	12,965	9,151	5,945	33,635	95.9%	67.7%
Takeo	25,234	19,088	15,583	8,846	48,920	75.6%	61.8%
Oddar Mean Chey	2,800	3,512	2,286	1,285	8,454	125.4%	81.6%
Kep	1,020	273	207	8	454	26.8%	20.3%
Paillin	900	1,430	1,197	808	3,653	158.8%	133.0%
<b>Total :</b>	<b>392,543</b>	<b>276,074</b>	<b>197,287</b>	<b>113,072</b>	<b>695,251</b>	<b>70.3%</b>	<b>50.3%</b>

### 2.5.2 Antenatal consultations in National Hospital

National Hospital	1st Consult	2nd Consult	3rd Consult	Total	1st Coverage	2nd Coverage
					Rate	Rate
Calmette	2,827	2,039	1,663	10,332		
MCH	8,905	5,468	4,198	28,530		
NPH	0	0	0	0		
Kossamak	87	97	98	91		
Norodom Sihanouk	0	0	0	0		
Ang Doung	0	0	0	0		
Kuntha Bopha	0	0	0	0		
CENAT	0	0	0	0		
JAYA7	0	0	0	0		
<b>Total :</b>	<b>11,819</b>	<b>7,604</b>	<b>5,959</b>	<b>38,953</b>		
<b>Whole Country</b>	<b>287,893</b>	<b>204,891</b>	<b>119,031</b>	<b>734,204</b>	<b>73.3%</b>	<b>52.2%</b>

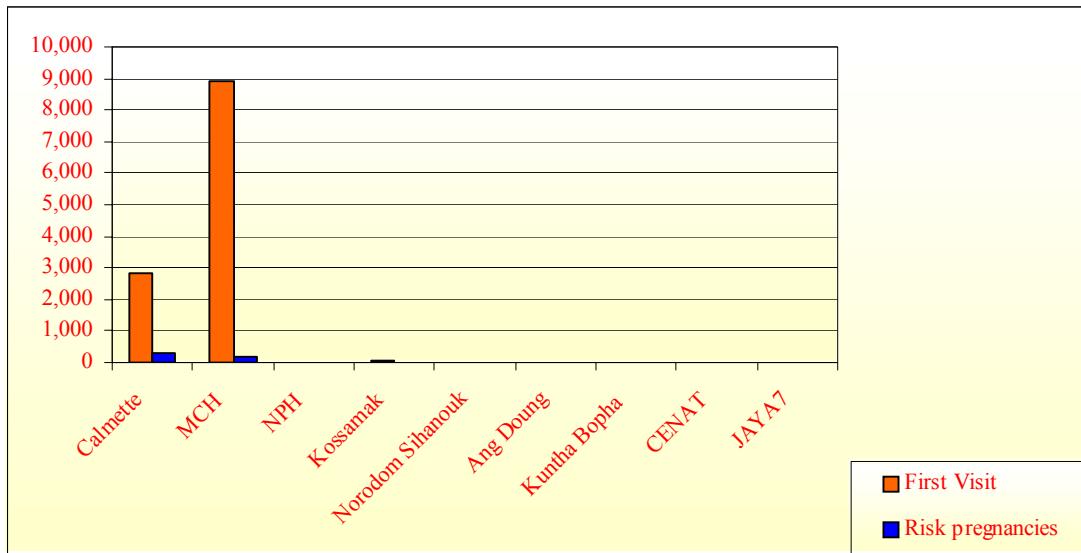


### 2.5.3 Number and percentage of at risk pregnancies and referred to Hospital by province



#### 2.5.4 Number and percentage of risk pregnancies and referred case to National Hospital

National Hospital	1st Consultation	Risk Pregnancies		Referred to Hospital	
		Number	%	Number	%
Calmette	2,827	276	9.8%		
MCH	8,905	268	3.0%		
NPH	0				
Kossamak	87				
Norodom Sihanouk	0				
Ang Doung	0				
Kuntha Bopha	0				
CENAT	0				
JAYA7	0				
<b>Total :</b>	<b>11,819</b>	<b>544</b>	<b>4.6%</b>		
<b>Whole Country</b>	<b>287,893</b>	<b>34,637</b>	<b>12.0%</b>	<b>5,982</b>	<b>2.2%</b>



## Deliveries

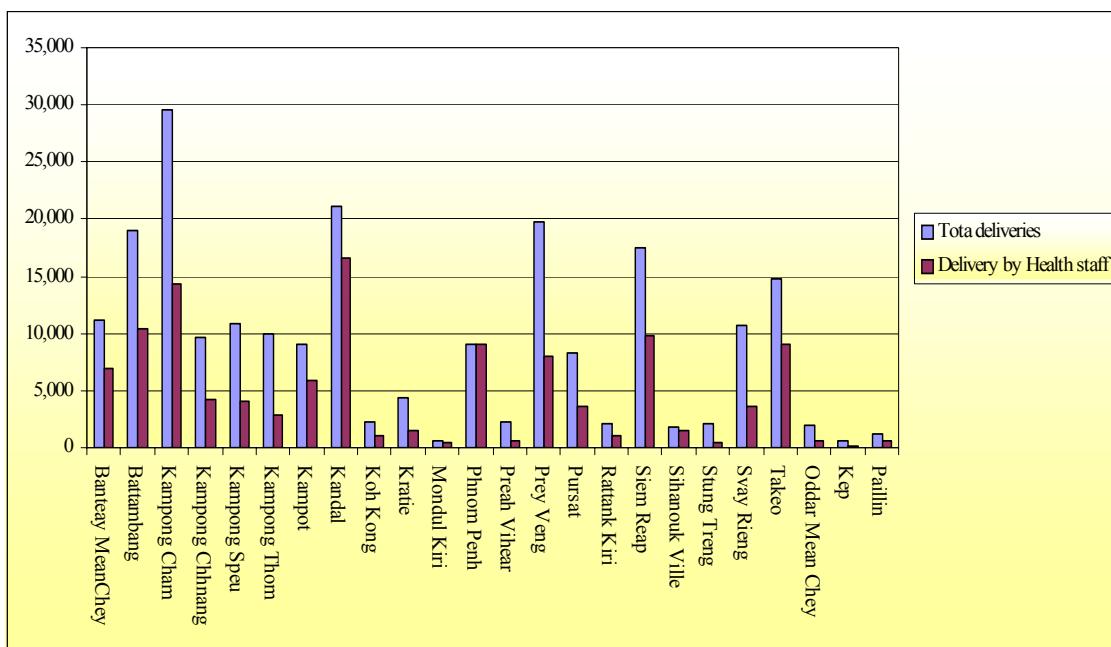
The nationwide percentage of deliveries attended by trained professionals such as doctors, nurses or midwives was 41% in 2005, again showing a steady increase over recent years. Deliveries at health centers (7.98%), hospitals (16.16%) and homes attended by trained professionals (16.43%) comprised this proportion. Across the provinces, the highest percents were recorded at Pailin (66.7%) and Kandal (51.5%), and lowest at Stung Treng (12%), Preah Vihear (12%), Kratie (14%), and Kampong Thom (14%). Of deliveries conducted at the nine national hospitals, half occurred at the Jayavarman 7 hospital (50.1%), with the NMCHC recording 11.9% of this total. Overall, 24.1% of all deliveries recorded by the HIS occurred at the national hospitals. Of problems relating to deliveries as recorded by the HIS, stillbirths were 0.62%, neonatal deaths (0.23%), dystocic deliveries (0.47%), and maternal deaths (0.04%). In view of high levels of obstetric complications and maternal deaths revealed by the last CDHS 2000, it is likely that these figures are under estimates of the actual levels obtaining in the country.

## 2.6 Delivery Activities

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

Province	Deliveries at Home				Deliveries at HC				Hospital Deliveries				% Delivery by Trained Health Staff		
	Health Staff		TBAs		Deliveries at HC		Hospital Deliveries		Total Deliveries		% Deliveries				
	#	%	#	%	#	%	#	%							
Banteay MeanChey	4,441	19.47%	4,100	17.98%	1,711	7.50%	862	3.78%	11,114	48.73%				30.75%	
Battambang	7,022	23.46%	8,639	28.86%	579	1.93%	2,794	9.33%	19,034	63.58%				34.73%	
Kampong Cham	10,324	18.84%	15,220	27.78%	1,856	3.39%	2,098	3.83%	29,498	53.83%				26.06%	
Kampong Chhnang	1,263	7.24%	5,376	30.81%	1,782	10.21%	1,165	6.68%	9,586	54.94%				24.13%	
Kampong Speu	3,320	14.82%	6,732	30.06%	254	1.13%	515	2.30%	10,821	48.31%				18.26%	
Kampong Thom	1,984	9.64%	7,046	34.23%	248	1.20%	692	3.36%	9,970	48.43%				14.20%	
Kampot	4,412	25.87%	3,095	18.15%	309	1.81%	1,168	6.85%	8,984	52.68%				34.53%	
Kandal	8,709	27.11%	4,542	14.14%	6,481	20.18%	1,336	4.16%	21,068	65.59%				51.45%	
Koh Kong	156	2.85%	1,198	21.87%	387	7.06%	487	8.89%	2,228	40.67%				18.80%	
Kratie	917	8.63%	2,873	27.05%	156	1.47%	401	3.78%	4,347	40.93%				13.88%	
Mondul Kiri	145	8.46%	256	14.94%	94	5.49%	147	8.58%	642	37.48%				22.53%	
Phnom Penh	389	1.48%	37	0.14%	6,618	25.24%	2,017	7.69%	9,061	34.55%				34.41%	
Preah Vihear	303	6.48%	1,643	35.14%	68	1.45%	191	4.09%	2,205	47.17%				12.02%	
Prey Veng	3,400	12.28%	11,689	42.20%	3,609	13.03%	998	3.60%	19,696	71.11%				28.91%	
Pursat	2,169	15.92%	4,684	34.39%	824	6.05%	654	4.80%	8,331	61.17%				26.78%	
Rattank Kiri	193	3.85%	1,082	21.60%	429	8.56%	393	7.85%	2,097	41.86%				20.26%	
Siem Reap	7,823	28.28%	7,733	27.96%	1,597	5.77%	332	1.20%	17,485	63.21%				35.25%	
Sihanouk Ville	743	12.42%	395	6.60%	70	1.17%	648	10.83%	1,856	31.02%				24.42%	
Stung Treng	77	2.38%	1,756	54.22%	38	1.17%	273	8.43%	2,144	66.20%				11.98%	
Svay Rieng	2,652	19.61%	7,098	52.48%	99	0.73%	937	6.93%	10,786	79.75%				27.27%	
Takeo	3,428	13.59%	5,671	22.47%	3,761	14.90%	1,908	7.56%	14,768	58.53%				36.05%	
Oddar Mean Chey	198	7.07%	1,339	47.82%	297	10.61%	159	5.68%	1,993	71.18%				23.36%	
Kep	154	15.09%	388	38.03%	6	0.59%	27	2.65%	575	56.36%				18.33%	
Paillin	274	30.43%	545	60.54%	56	6.22%	270	29.99%	1,145	127.18%				66.65%	
<b>Sub_Total</b>	<b>64,496</b>	<b>16.4%</b>	<b>103,137</b>	<b>26.3%</b>	<b>31,329</b>	<b>8.0%</b>	<b>20,472</b>	<b>5.2%</b>	<b>219,434</b>	<b>55.9%</b>				<b>29.63%</b>	

## 2.6.2 Total deliveries and Delivery by Health Staff



## 2.6.3 Delivery in National Hospital

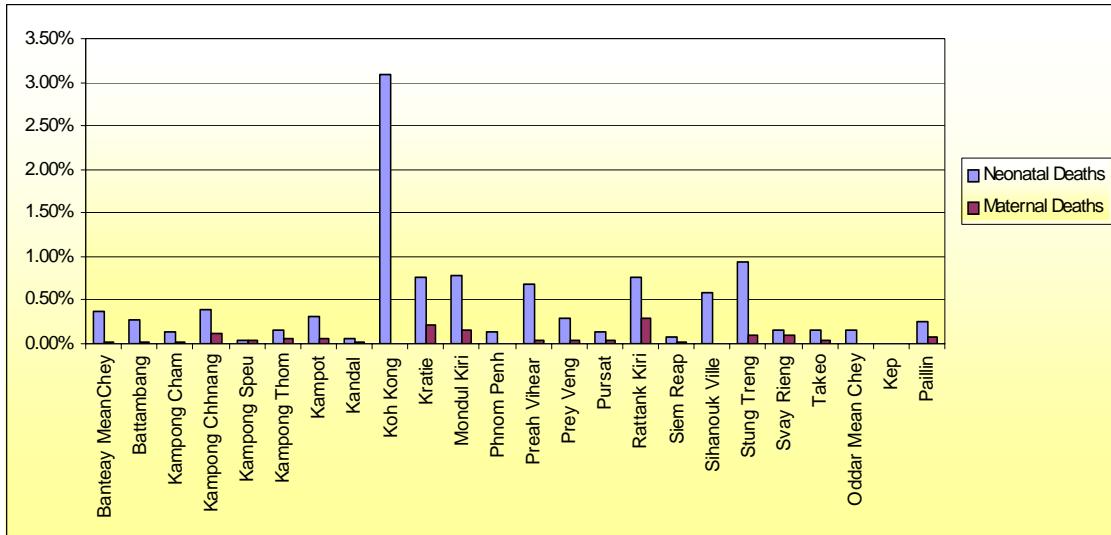
Province	Deliveries at Homme				Deliveries at HC		Hospital Deliveries		% Delivery		
	Health Staff		TBAs						Total Deliveries	% Deliveries	% Delivery Trained by Health Staff
	#	%	#	%	#	%	#	%			
Calmette							2,775		2,775		
MCH							7,541		7,541		
NPH							0		0		
Kossamak							0		0		
Norodom Sihanouk							879		879		
Ang Doung							0		0		
Kuntha Bopha							0		0		
CENAT							0		0		
JAYA7							31,751		31,751		

Whole Country : 64,496 16.43% 103,137 26.27% 31,329 7.98% 63,418 16.16% 262,380 66.84% 40.57%

**2.6.4 Problem related to deliveries (still birth, dystocia, cesarean section, maternal deaths)**

Province	Total Deliveries	Still births		Neonatal Deaths		Dystocic Deliveries		Cesarean		Maternal Deaths	
		#	%	#	%	#	%	#	%	#	%
Banteay MeanChey	11,114	167	1.50%	41	0.37%	257	2.31%	20	0.18%	2	0.02%
Battambang	19,034	169	0.89%	51	0.27%	7	0.04%	241	1.27%	5	0.03%
Kampong Cham	29,498	162	0.55%	42	0.14%	127	0.43%	189	0.64%	4	0.01%
Kampong Chhnang	9,586	73	0.76%	37	0.39%	4	0.04%	138	1.44%	11	0.11%
Kampong Speu	10,821	29	0.27%	4	0.04%	0	0.00%	114	1.05%	5	0.05%
Kampong Thom	9,970	51	0.51%	15	0.15%	16	0.16%	64	0.64%	5	0.05%
Kampot	8,984	47	0.52%	28	0.31%	29	0.32%	60	0.67%	6	0.07%
Kandal	21,068	25	0.12%	14	0.07%	110	0.52%	24	0.11%	5	0.02%
Koh Kong	2,228	66	2.96%	69	3.10%	12	0.54%	13	0.58%	0	0.00%
Kratie	4,347	48	1.10%	33	0.76%	1	0.02%	73	1.68%	9	0.21%
Mondul Kiri	642	13	2.02%	5	0.78%	49	7.63%	11	1.71%	1	0.16%
Phnom Penh	9,061	20	0.22%	13	0.14%	128	1.41%	67	0.74%	0	0.00%
Preah Vihear	2,205	14	0.63%	15	0.68%	3	0.14%	23	1.04%	1	0.05%
Prey Veng	19,696	85	0.43%	58	0.29%	80	0.41%	112	0.57%	8	0.04%
Pursat	8,331	55	0.66%	12	0.14%	2	0.02%	117	1.40%	4	0.05%
Rattank Kiri	2,097	22	1.05%	16	0.76%	185	8.82%	19	0.91%	6	0.29%
Siem Reap	17,485	63	0.36%	14	0.08%	70	0.40%	8	0.05%	3	0.02%
Sihanouk Ville	1,856	19	1.02%	11	0.59%	1	0.05%	66	3.56%	0	0.00%
Stung Treng	2,144	26	1.21%	20	0.93%	4	0.19%	12	0.56%	2	0.09%
Svay Rieng	10,786	95	0.88%	17	0.16%	10	0.09%	54	0.50%	10	0.09%
Takeo	14,768	85	0.58%	24	0.16%	110	0.74%	134	0.91%	6	0.04%
Oddar Mean Chey	1,993	23	1.15%	3	0.15%	16	0.80%	19	0.95%	0	0.00%
Kep	575	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Paillin	1,145	13	1.14%	3	0.26%	6	0.52%	10	0.87%	1	0.09%
<i>Sub_total</i>	<i>219,434</i>	<i>1,370</i>	<i>0.62%</i>	<i>545</i>	<i>0.25%</i>	<i>1,227</i>	<i>0.56%</i>	<i>1,588</i>	<i>0.72%</i>	<i>94</i>	<i>0.04%</i>
Calmette	2,775	35	1.26%	1	0.04%	0	0.00%	640	23.06%	0	0.00%
MCH	7,541	213	2.82%	60	0.80%	0	0.00%	755	10.01%	17	0.23%
NPH											
Kossamak											
Norodom Sihanouk	879	16	1.82%	9	1.02%	0	0.00%	100	11.38%	0	0.00%
Ang Doung											
Kuntha Bopha											
JAYA7	31,751	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
CENAT											
<i>Sub_total</i>	<i>42,946</i>	<i>264</i>	<i>0.61%</i>	<i>70</i>	<i>0.16%</i>	<i>0</i>	<i>0.00%</i>	<i>1,495</i>	<i>3.48%</i>	<i>17</i>	<i>0.04%</i>
Whole Country	<b>262,380</b>	<b>1,634</b>	<b>0.62%</b>	<b>615</b>	<b>0.23%</b>	<b>1,227</b>	<b>0.47%</b>	<b>3,083</b>	<b>1.18%</b>	<b>111</b>	<b>0.04%</b>

### 2.6.5 Problem related to deliveries by Province (Neonatal Death and Maternal deaths)



#### 2.6.5.1 Problem related to deliveries in National Hospital (Neonatal Death and Maternal deaths)

Province	Total Deliveries	Still births		Neonatal Deaths		Dystocic Deliveries		Ceasarean		Maternal Deaths	
		#	%	#	%	#	%	#	%	#	%
Calmette	2,775	35	1.26%	1	0.04%	0	0.00%	640	23.06%	0	0.00%
MCH	7,541	213	2.82%	60	0.80%	0	0.00%	755	10.01%	17	0.23%
NPH											
Kossamak											
Norodom Sihanouk	879	16	1.82%	9	1.02%	0	0.00%	100	11.38%	0	0.00%
Ang Doung											
Kuntha Bopha											
JAYA7	31,751	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
CENAT											
<i>Sub_total</i>	42,946	264	0.61%	70	0.16%	0	0.00%	1,495	3.48%	17	0.04%
Whole Country	<b>262,380</b>	<b>1,634</b>	<b>0.62%</b>	<b>615</b>	<b>0.23%</b>	<b>1,227</b>	<b>0.47%</b>	<b>3,083</b>	<b>1.18%</b>	<b>111</b>	<b>0.04%</b>

## **Birth Spacing**

Modern method use as recorded by the HIS was computed as 21.02% of married women of reproductive age for the country as a whole. These methods include both short and long term methods such as pills, IUDs, injectables, condoms, and implants. Current use rates varied significantly across the provinces with the lowest percentage recorded at Phnom Penh (3.6%, undoubtedly because several alternate sources are available within the metropolitan area), and the highest at Otdar Meanchey (44.4%). At least four other provinces had current users in excess of 30%. In terms of method mix for these five modern methods, the most popular was pills with 51.7% of all users, followed by injectables at 41.9%. Condoms and IUDs constituted 4.2% and 2.2% respectively, and implants were lowest at 0.1%.

## 2.7 Birth spacing

### Current Users by method

Province	Pills	IUD	Injections	Condoms	No plant	Grand Total	Target Population	Current Use rate
Banteay MeanChey	17,048	15.8%	1,108	3.3%	14,253	13.2%	1,173	3.5%
Battambang	17,012	12.2%	751	2.5%	10,102	7.2%	1,986	6.6%
Kampong Cham	19,173	7.4%	1,147	2.6%	21,099	47.7%	2,825	6.4%
Kampong Chhnang	3,702	5.2%	1	0.0%	3,661	49.5%	39	0.5%
Kampong Speu	8,235	8.1%	303	1.7%	9,234	50.5%	502	2.7%
Kampot	14,561	15.3%	95	0.3%	11,864	43.3%	889	3.2%
Kandal	18,172	21.5%	511	1.8%	9,796	33.7%	632	2.2%
Koh Kong	21,116	12.1%	444	1.0%	21,764	47.8%	2,194	4.8%
Kratie	2,890	10.8%	0	0.0%	1,419	28.4%	684	13.7%
Mondul Kiri	5,005	10.7%	233	3.3%	1,398	19.6%	497	7.0%
Phnom Penh	677	11.4%	32	2.4%	573	43.7%	28	2.1%
Preah Vihear	3,988	2.2%	349	5.3%	2,008	30.4%	257	3.9%
Prey Veng	2,490	11.7%	101	2.0%	2,177	42.6%	344	6.7%
Pursat	12,768	8.7%	375	1.2%	18,473	56.8%	886	2.7%
Rattanak Kiri	3,844	6.4%	894	8.0%	5,977	53.2%	519	4.6%
Siem Reap	1,286	7.6%	2	0.1%	837	39.2%	12	0.6%
Sihanouk Ville	13,157	10.9%	1,334	5.4%	8,529	34.5%	1,519	6.2%
Stung Treng	2,069	7.9%	0	0.0%	1,431	39.9%	85	2.4%
Sway Rieng	1,446	9.9%	91	2.6%	1,940	54.8%	63	1.8%
Takeo	7,469	9.9%	173	1.1%	7,723	49.1%	362	2.3%
Oddar Mean Chey	28,033	22.2%	146	0.3%	12,843	30.5%	1,056	2.5%
Kep	3,573	26.1%	154	2.5%	2,156	35.5%	192	3.2%
Pailin	457	8.6%	25	2.7%	459	48.8%	0	0.0%
<b>Sub_total</b>	<b>1,005</b>	<b>22.0%</b>	<b>44</b>	<b>3.2%</b>	<b>278</b>	<b>20.2%</b>	<b>50</b>	<b>3.6%</b>
<b>Grand Total</b>	<b>209,982</b>	<b>10.86%</b>	<b>8,903</b>	<b>0.46%</b>	<b>169,994</b>	<b>8.8%</b>	<b>16,794</b>	<b>0.9%</b>
Calmette	591	48	113	3.5	0	0	787	
MCH	215	542	31	2.2	0	0	810	
<b>Sub_total</b>	<b>806</b>	<b>590</b>	<b>144</b>	<b>57</b>	<b>0</b>	<b>0</b>	<b>1,597</b>	

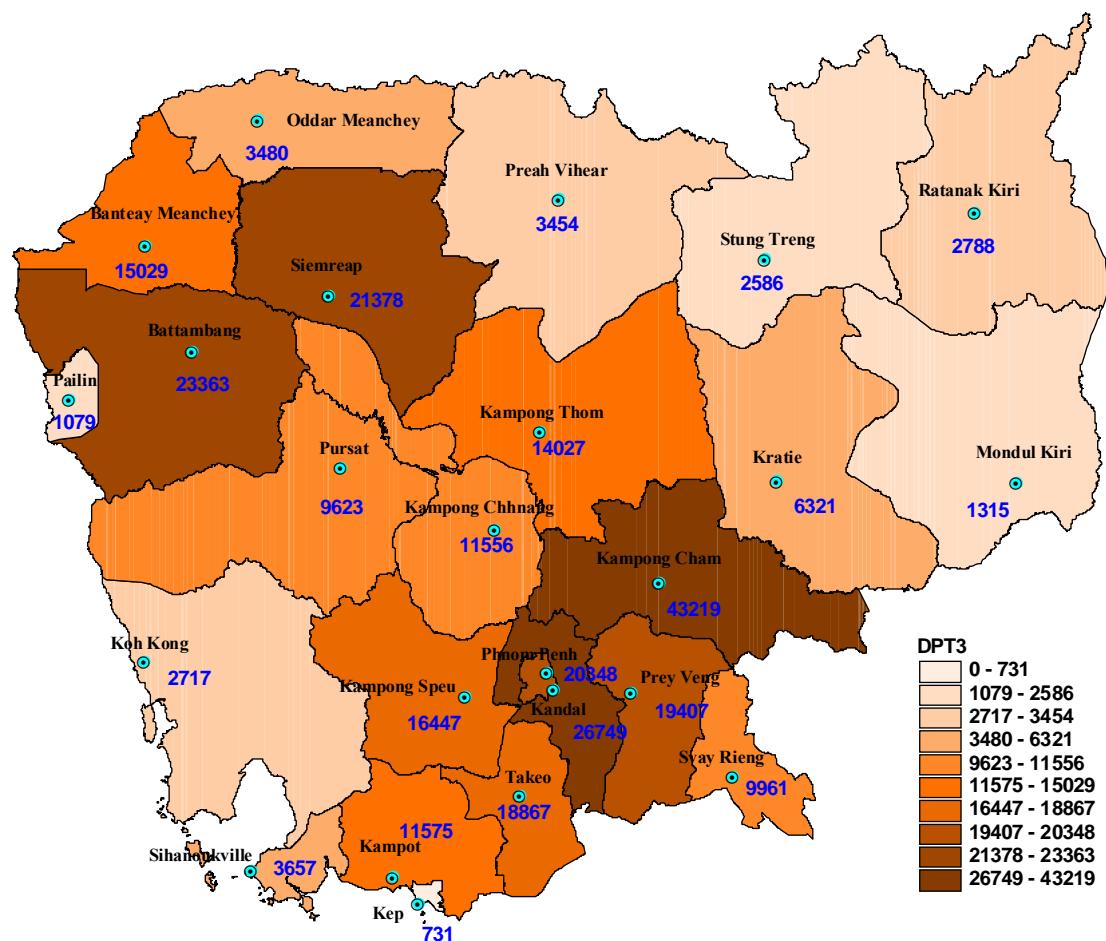
## Immunizations

In terms of the Expanded Program of Immunizations, the HIS shows that 97% of all immunizations sessions planned were actually conducted. These sessions resulted in high levels of immunization coverage for the country, with BCG at 84%, OPV 3 and DPT 3 at 79%, and measles at 77%. Koh Kong and Ratanakiri were low performers in terms of both the measles DPT 3 vaccines, while the higher performing provinces included Otdar Meanchey and Pailin. While drop out rates nationwide are low at 4% for OPV and DPT vaccines, they are unacceptably high for BCG-Measles (9%). Even the fairly low drop out rates for OPV and DPT mask significant variations across provinces with some such as Mondulkiri, Preah Vihear, and Ratanakiri recording drop out rates of above 20% for both these vaccines. Pailin had the highest drop out rate for any vaccine with 41% recorded for BCG-Measles.

## 2.8 Expanded program of immunization

Province	# of Sessions			BCG			OPV			DPT			Measles		Drop_Out Rate			
	Plan	Actual	%	Dose	%	1	2	3	%	1	2	3	%	Doses	%	BCG-Measle	OPV_1_3	DPT_1_3
Banteay Meanchey	8 996	8 405	93%	15 801	73%	15 574	15 307	15 026	69%	15 573	15 312	15 029	69%	14 523	67%	8%	4%	3%
Battambang	11 862	11 770	99%	26 189	94%	25 077	24 175	23 329	83%	25 111	24 161	23 363	84%	22 336	80%	15%	7%	7%
Kampong Cham	25 735	25 648	100%	44 524	89%	42 755	42 452	43 156	86%	42 732	42 435	43 219	86%	41 306	82%	7%	-1%	-1%
Kampong Chhnang	8 730	8 767	100%	12 516	79%	11 743	11 491	11 571	73%	11 875	11 551	11 556	73%	11 751	74%	6%	1%	3%
Kampong Speu	15 883	15 573	98%	16 746	79%	16 366	16 358	16 518	78%	16 375	16 320	16 447	78%	16 856	80%	-1%	-1%	0%
Kampong Thom	8 880	8 582	97%	15 165	79%	15 048	14 709	14 064	74%	14 816	14 678	14 027	73%	13 036	68%	14%	7%	5%
Kampot	7 928	7 284	92%	12 123	77%	12 090	12 315	11 757	75%	12 126	12 315	11 575	74%	11 099	71%	8%	3%	5%
Kandal	21 827	21 221	97%	27 012	91%	27 687	27 140	26 792	90%	27 689	27 150	26 749	90%	25 949	87%	4%	3%	3%
Koh Kong	1 643	1 416	86%	2 928	57%	3 037	2 866	2 720	53%	2 998	2 865	2 717	53%	2 582	50%	12%	10%	9%
Kratie	4 357	3 898	89%	7 283	73%	7 308	7 014	6 360	64%	7 161	7 084	6 321	63%	6 264	63%	14%	13%	12%
Mondulkiri	1 345	1 142	85%	1 762	115%	1 752	1 441	1 320	86%	1 741	1 428	1 315	86%	1 066	70%	40%	25%	24%
Phnom Penh	2 814	2 562	91%	19 962	80%	21 404	20 361	20 82%	82%	21 237	21 303	20 348	82%	17 790	71%	11%	5%	4%
Preah Vihear	1 840	1 538	84%	4 542	103%	4 628	3 931	3 573	81%	4 441	3 868	3 454	78%	3 370	76%	28%	23%	22%
Prey Veng	14 127	14 167	100%	21 066	81%	20 249	19 641	19 420	74%	20 224	19 646	19 407	74%	20 315	78%	4%	4%	4%
Pursat	5 900	5 588	95%	10 498	85%	10 202	9 829	9 642	78%	10 166	9 814	9 623	77%	9 519	77%	9%	5%	5%
Rattanakiri	2 623	1 969	75%	3 740	84%	3 594	3 268	2 814	63%	3 577	3 264	2 788	62%	2 628	59%	30%	22%	22%
Siem Reap	12 554	11 949	95%	22 932	89%	21 446	21 619	21 354	83%	21 421	21 624	21 378	83%	21 327	83%	7%	0%	0%
Sihanoukville	2 055	2 015	98%	4 025	71%	4 154	3 936	3 630	64%	4 149	3 932	3 657	65%	3 546	63%	12%	13%	12%
Slung Treng	2 801	2 759	99%	2 873	95%	2 731	2 643	2 586	86%	2 731	2 643	2 586	86%	2 403	80%	16%	5%	5%
Svay Rieng	7 956	7 607	96%	11 218	91%	10 698	10 339	10 087	81%	10 683	10 304	9 961	80%	9 926	80%	12%	6%	7%
Takeo	11 297	11 262	100%	19 701	84%	18 946	18 884	18 846	80%	18 951	18 975	18 867	81%	19 355	83%	2%	1%	0%
Oddar Mean Chey	1 304	1 261	97%	3 497	132%	3 594	3 512	3 355	127%	3 576	3 480	3 242	123%	3 242	123%	7%	7%	3%
Kep		264	100%	773	82%	730	733	731	77%	730	733	731	77%	752	80%	3%	0%	0%
Psailin		295	72%	1 471	172%	1 396	1 161	1 172	137%	1 298	1 125	1 079	126%	870	102%	41%	16%	17%
<b>GRAND TOTAL:</b>	<b>183 016</b>	<b>176 860</b>	<b>97%</b>	<b>308 347</b>	<b>84%</b>	<b>302</b>	<b>296</b>	<b>290</b>	<b>79%</b>	<b>301 381</b>	<b>296 108</b>	<b>280 677</b>	<b>79%</b>	<b>281 811</b>	<b>77%</b>	<b>9%</b>	<b>4%</b>	<b>4%</b>

### 2.8.1 Expanded program of immunization by mapping ( DPT3)



## Key Hospital Indicators

The average bed occupancy rate (BOR) for the country as a whole in respect of the referral hospitals in the provinces was 53.8%. With national hospitals included, this rose to 61%, since for national hospitals exclusively, the BOR was 79%. Across the provinces, BORs varied significantly from 16.1% at Kep to 87.7% at Takeo. Other significant under performers include Pailin (26.5%), Koh Kong (28.9%), and Stung Treng (31.7%), while high performers other than Takeo include Kandal (71.8%), Svay Rieng (69.6%), and Sihanoukville (69.3%). Among the national hospitals, the highest BORs were recorded at Kantha Bopha and Jayavarman 7 hospitals, well in excess of 100%, while the National Pediatric Hospital's BOR was almost 100%. Average length of stay (ALS) at provincial hospitals excluding TB inpatients was 5 days, similar to that for the national hospitals as well. Expectedly, the CENAT TB hospital had the highest ALS at 13 days.

## 2.9 Hospital Activities

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

#### Banteay Meanchey

District	Beds	Auth.Disch		Transferred		UnAuth.Disch		Deaths		Tot.Disch
		#	%	#	%	#	%	#	%	
Monkul Borei	262	6,553	95.83%	36	0.53%	1	0.01%	248	3.63%	6,838
Preah Net Preah	51	1,346	93.99%	76	5.31%	4	0.28%	6	0.42%	1,432
Thmar Pouk	55	3,029	89.09%	287	8.44%	24	0.71%	60	1.76%	3,400
Or Chrov	76	3,032	91.93%	199	6.03%	19	0.58%	48	1.46%	3,298
Total	444	13,960	93.27%	598	4.00%	48	0.32%	362	2.42%	14,968

#### Battambang

District	Beds	Auth.Disch		Transferred		UnAuth.Disch		Deaths		Tot.Disch
		#	%	#	%	#	%	#	%	
Thmar Koul	71	1,364	86.38%	189	11.97%	1	0.06%	25	1.58%	1,579
Mong Rossey	64	3,532	91.50%	175	4.53%	59	1.53%	94	2.44%	3,860
Sampov Loun	80	1914	89.73%	162	7.59%	19	0.89%	38	1.78%	2,133
Svay Por	258	7,897	89.44%	354	4.01%	254	2.88%	324	3.67%	8,829
Sangke	13	806	98.29%	14	1.71%	0	0.00%	0	0.00%	820
Total	486	15,513	90.08%	894	5.19%	333	1.93%	481	2.79%	17,221

#### Kampong Cham

District	Beds	Auth.Disch		Transferred		UnAuth.Disch		Deaths		Tot.Disch
		#	%	#	%	#	%	#	%	
Chamkar Leu	35	2,060	96.17%	62	2.89%	0	0.00%	20	0.93%	2,142
Choeng Prey	60	1,670	89.54%	186	9.97%	0	0.00%	9	0.48%	1,865
Kampong Cham	210	6,827	92.64%	203	2.75%	135	1.83%	204	2.77%	7,369
Kroch Chmar	50	979	92.71%	67	6.34%	4	0.38%	6	0.57%	1,056
Memut	50	4,082	94.19%	138	3.18%	73	1.68%	41	0.95%	4,334
O Reang Ov	35	1,334	95.35%	57	4.07%	0	0.00%	8	0.57%	1,399
Ponhea Krek	35	2,848	83.99%	463	13.65%	40	1.18%	40	1.18%	3,391
Prey Chhor	45	1,256	93.04%	85	6.30%	0	0.00%	9	0.67%	1,350
Srei Santhor	45	1,671	89.89%	177	9.52%	1	0.05%	10	0.54%	1,859
Tbong Khmum	50	2,168	95.21%	73	3.21%	15	0.66%	21	0.92%	2,277
Total	615	24,895	92.06%	1,511	5.59%	268	0.99%	368	1.36%	27,042

#### Kampong Chhnang

District	Beds	Auth.Disch		Transferred		UnAuth.Disch		Deaths		Tot.Disch
		#	%	#	%	#	%	#	%	
Kampong Chhnang	156	6,763	96.39%	180	2.57%	30	0.43%	43	0.61%	7,016
Kampong Tralach	20	1,020	80.76%	229	18.13%	4	0.32%	10	0.79%	1,263
Total	176	7,783	94.01%	409	4.94%	34	0.41%	53	0.64%	8,279

#### Kampong Speu

District	Beds	Auth.Disch		Transferred		UnAuth.Disch		Deaths		Tot.Disch
		#	%	#	%	#	%	#	%	
Kampong Speu	102	3,097	95.59%	39	1.20%	1	0.03%	103	3.18%	3,240
Krong Pissey	55	1,509	100.00%	0	0.00%	0	0.00%	0	0.00%	1,509
Oudong	40	1,340	95.92%	34	2.43%	0	0.00%	23	1.65%	1,397
Total	95	5,946	96.75%	73	1.19%	1	0.02%	126	2.05%	6,146

**Kampong Thom**

District	Beds	Auth.Disch		Transferred		UnAuth.Disch		Deaths		Tot.Disch
		#	%	#	%	#	%	#	%	
Baray Santuk	69	926	81.73%	146	12.89%	45	3.97%	16	1.41%	1,133
Kampong Thom	194	5,029	63.76%	84	10.6%	16	0.20%	94	1.19%	7,888
Stong	60	1,270	76.51%	0	0.00%		0.00%	21	1.27%	1,660
Total	323	7,225	67.64%	230	2.15%	61	0.57%	131	1.23%	10,681

**Kampot**

District	Beds	Auth.Disch		Transferred		UnAuth.Disch		Deaths		Tot.Disch
		#	%	#	%	#	%	#	%	
Angkor Chey	40	1,094	99.09%	7	0.63%	0	0.00%	3	0.27%	1,104
Chhouk	89	3,154	94.01%	185	5.51%	0	0.00%	16	0.48%	3,355
Kampong Trach	36	1,285	92.85%	56	4.05%	6	0.43%	37	2.67%	1,384
Kampot	125	2,855	94.79%	17	0.56%	51	16.9%	89	2.95%	3,012
Total	290	8,388	94.73%	265	2.99%	57	0.64%	145	1.64%	8,855

**Kandal**

District	Beds	Auth.Disch		Transferred		UnAuth.Disch		Deaths		Tot.Disch
		#	%	#	%	#	%	#	%	
Ang Snoul	15	214	100.00%	0	0.00%	0	0.00%	0	0.00%	214
Kean Svay	72	3,834	98.71%	50	1.29%	0	0.00%	0	0.00%	3,884
Koh Thom	52	1,700	96.26%	53	3.00%	0	0.00%	13	0.74%	1,766
Khsach Kandal	50	2,739	97.68%	63	2.25%	1	0.04%	1	0.04%	2,804
Muk Kam Poul	15	1,367	92.05%	11	0.74%	106	7.14%	1	0.07%	1,485
Ponhea Leu	10	1,175	98.99%	6	0.51%	4	0.34%	2	0.17%	1,187
Saang	50	2,134	92.14%	168	7.25%	13	0.56%	1	0.04%	2,316
Takhmao	150	2,548	98.49%	12	0.46%	8	0.31%	19	0.73%	2,587
Total	414	15,711	96.72%	363	2.23%	132	0.81%	37	0.23%	16,243

**Koh Kong**

District	Beds	Auth.Disch		Transferred		UnAuth.Disch		Deaths		Tot.Disch
		#	%	#	%	#	%	#	%	
Smach Meanchey	59	1,372	88.12%	108	6.94%	18	1.16%	59	3.79%	1,557
Sre Ambel	22	424	86.89%	48	9.84%	7	1.43%	9	1.84%	488
Total	81	1,796	87.82%	156	7.63%	25	1.22%	68	3.33%	2,045

**Kratie**

District	Beds	Auth.Disch		Transferred		UnAuth.Disch		Deaths		Tot.Disch
		#	%	#	%	#	%	#	%	
Chhlong	90	3,258	95.10%	94	2.74%	41	1.20%	33	0.96%	3,426
Kratie	142	3,050	94.08%	60	1.85%	40	1.23%	92	2.84%	3,242
Total	232	6,308	94.60%	154	2.31%	81	1.21%	125	1.87%	6,668

**Mondukiri**

District	Beds	Auth.Disch		Transferred		UnAuth.Disch		Deaths		Tot.Disch
		#	%	#	%	#	%	#	%	
Sen Monorom	47	1,975	86.43%	126	5.51%	148	6.48%	36	1.58%	2,285
Total	47	1,975	86.43%	126	5.51%	148	6.48%	36	1.58%	2,285

**Phnom Penh**

District	Beds	Auth.Disch		Transferred		UnAuth.Disch		Deaths		Tot.Disch
		#	%	#	%	#	%	#	%	
Cheung	40	1,572	99.94%	1	0.06%	0	0.00%	0	0.00%	1,573
Kandal	193	4,551	96.60%	87	1.85%	47	100%	26	0.55%	4,711
Lech	37	2,240	97.94%	47	2.06%	0	0.00%	0	0.00%	2,287
Tbong	45	2,902	100.00%	0	0.00%	0	0.00%	0	0.00%	2,902
Total	315	11,265	98.19%	135	1.18%	47	0.41%	26	0.23%	11,473

**Preah Vihear**

District	Beds	Auth.Disch		Transferred		UnAuth.Disch		Deaths		Tot.Disch
		#	%	#	%	#	%	#	%	
Tbeng Meanchey	153	3,929	95.62%	109	2.65%	2	0.05%	69	1.68%	4,109
Total	153	3,929	95.62%	109	2.65%	2	0.05%	69	1.68%	4,109

**Prey Veng**

District	Beds	Auth.Disch		Transferred		UnAuth.Disch		Deaths		Tot.Disch
		#	%	#	%	#	%	#	%	
Kamchay Mear	34	722	97.70%	12	1.62%	2	0.27%	3	0.41%	739
Kampong Trabek	50	1,718	92.81%	45	2.43%	54	2.92%	34	1.84%	1,851
Mesang	25	596	90.44%	59	8.95%	0	0.00%	4	0.61%	659
Neak Loung	106	2,749	96.46%	96	3.37%	1	0.04%	4	0.14%	2,850
Pearaeang	61	3,496	95.81%	138	3.78%	1	0.03%	14	0.38%	3,649
Preah Sdach	26	747	94.80%	26	3.30%	6	0.76%	9	1.14%	788
Prey Veng	117	1,345	97.89%	10	0.73%	2	0.15%	17	1.24%	1,374
Total	419	11,373	95.49%	386	3.24%	66	0.55%	85	0.71%	11,910

**Pursat**

District	Beds	Auth.Disch		Transferred		UnAuth.Disch		Deaths		Tot.Disch
		#	%	#	%	#	%	#	%	
Bakan	46	1,195	83.04%	168	11.67%	28	1.95%	48	3.34%	1,439
Sampov Meas	221	6,179	92.21%	88	1.31%	234	3.49%	200	2.98%	6,701
Total	267	7,374	90.59%	256	3.14%	262	3.22%	248	3.05%	8,140

**Rattanakiri**

District	Beds	Auth.Disch		Transferred		UnAuth.Disch		Deaths		Tot.Disch
		#	%	#	%	#	%	#	%	
Ban Long	130	6,007	88.56%	634	9.35%	73	1.08%	69	1.02%	6,783
Total	130	6,007	88.56%	634	9.35%	73	1.08%	69	1.02%	6,783

**Siem Reap**

District	Beds	Auth.Disch		Transferred		UnAuth.Disch		Deaths		Tot.Disch
		#	%	#	%	#	%	#	%	
Kralanh	54	2,008	94.99%	79	3.74%	5	0.24%	22	1.04%	2,114
Siem Reap	242	5,135	96.16%	4	0.07%		0.00%	201	3.76%	5,340
Soth Nikum	100	3,032	90.64%	76	2.27%	131	3.92%	106	3.17%	3,345
Ang Kor Chhum	100	1,777	97.96%	36	1.98%		0.00%	1	0.06%	1,814
Total	396	10,175	94.22%	159	1.47%	136	1.26%	329	3.05%	10,799

**Sihanouk Ville**

District	Beds	Auth.Disch		Transferred		UnAuth.Disch		Deaths		Tot.Disch
		#	%	#	%	#	%	#	%	
Sihanouk Ville	62	3,519	94.34%	22	0.59%	81	2.17%	108	2.90%	3,730
Total	62	3,519	94.34%	22	0.59%	81	2.17%	108	2.90%	3,730

**Stung Treng**

District	Beds	Auth.Disch		Transferred		UnAuth.Disch		Deaths		Tot.Disch
		#	%	#	%	#	%	#	%	
Stung Treng	93	2,107	95.25%	40	1.81%	24	1.08%	41	1.85%	2,212
Total	93	2,107	95.25%	40	1.81%	24	1.08%	41	1.85%	2,212

**Svay Rieng**

District	Beds	Auth.Disch		Transferred		UnAuth.Disch		Deaths		Tot.Disch
		#	%	#	%	#	%	#	%	
Chi Phou	30	1,640	91.16%	155	8.62%	0	0.00%	4	0.22%	1,799
Romeas Hek	40	1,497	95.90%	30	1.92%	4	0.26%	30	19.2%	1,561
Svay Rieng	149	5,580	96.07%	1	0.02%	98	16.9%	129	2.22%	5,808
Total	219	8,717	95.08%	186	2.03%	102	1.11%	163	17.8%	9,168

**Takeo**

District	Beds	Auth.Disch		Transferred		UnAuth.Disch		Deaths		Tot.Disch
		#	%	#	%	#	%	#	%	
Ang Rokar	30	2,556	96.20%	72	2.71%	14	0.53%	15	0.56%	2,657
Bati	65	2,853	96.58%	70	2.37%	21	0.71%	10	0.34%	2,954
Daun Keo	154	6,702	93.81%	31	0.43%	155	2.17%	256	3.58%	7,144
Kirivong	65	4,882	92.88%	117	2.23%	170	3.23%	87	16.6%	5,256
Prey Kabass	35	658	99.55%	0	0.00%	0	0.00%	3	0.45%	661
Total	349	17,651	94.53%	290	1.55%	360	1.93%	371	19.9%	18,672

**Outdar Meanchey**

District	Beds	Auth.Disch		Transferred		UnAuth.Disch		Deaths		Tot.Disch
		#	%	#	%	#	%	#	%	
Samrong	99	3,640	91.00%	202	5.05%	80	2.00%	78	19.5%	4,000
Total	99	3,640	91.00%	202	5.05%	80	2.00%	78	19.5%	4,000

**Kep Ville**

District	Beds	Auth.Disch		Transferred		UnAuth.Disch		Deaths		Tot.Disch
		#	%	#	%	#	%	#	%	
Kep Ville	20	320	100.00%	0	0.00%	0	0.00%	0	0.00%	320
Total	20	320	100.00%	0	0.00%	0	0.00%	0	0.00%	320

**Psailin**

District	Beds	Auth.Disch		Transferred		UnAuth.Disch		Deaths		Tot.Disch
		#	%	#	%	#	%	#	%	
Krong Psailin	55	1,292	94.58%	20	1.46%	18	1.32%	36	2.64%	1,366
Total	55	1,292	94.58%	20	1.46%	18	1.32%	36	2.64%	1,366

**National Hospital**

National Hospital	Beds	Auth.Disch		Transferred		UnAuth.Disch		Deaths		Tot.Disch
		#	%	#	%	#	%	#	%	
Calmette	270	14,130	95.47%	20	0.14%	11	0.07%	639	4.32%	14,800
MCH	154	10,402	97.13%	81	0.76%	82	0.77%	144	13.4%	10,709
NPH	114	9,465	98.13%	13	0.13%	51	0.53%	116	1.20%	9,645
Kossamak	268	8,443	95.85%	0	0.00%	164	1.86%	202	2.29%	8,809
No rod om Sihanouk	380	2,674	92.69%	0	0.00%	0	0.00%	211	7.31%	2,885
Ang Doung	80	1,185	96.73%	16	1.31%	24	1.96%	0	0.00%	1,225
Kunthak Bopha	371	33,868	96.93%	21	0.06%	85	0.24%	965	2.76%	34,939
CENAT	151	1,455	88.29%	126	7.65%	10	0.61%	57	3.46%	1,648
JAYA7	220	30,396	98.96%	8	0.03%	4	0.01%	308	1.00%	30,716
Total	2,008	112,018	97.09%	285	0.25%	431	0.37%	2,642	2.29%	115,376

## 2. 9. 2 Main hospital indicators by province

### Banteay Mean Chey

District	Beds	Total Discharges	EHD	ALS	BOR	Hosp.Mort.Rate
Monkul Borei	347	7,071	64,459	9	50.9%	3.51%
Preah Net Preah	86	3,319	15,743	5	50.2%	0.18%
Tmar Pukr	55	1,338	5,656	4	28.2%	4.48%
Total	453	3,298	17,281	5	10.5%	1.46%
Total	941	15,026	103,139	7	30.0%	2.41%

### Bat Dambang

District	Beds	Total Discharges	EHD	ALS	BOR	Hosp.Mort.Rate
Thmar Koul	71	1,579	8,697	6	33.6%	1.58%
Mong Rossey	64	3,860	21,813	6	93.4%	2.44%
Sampov Loum	80	2,133	12,374	6	42.4%	1.78%
Svay Por	258	8,829	46,580	5	49.5%	3.67%
Sangke	13	820	3,628	4	76.5%	0.00%
Total	486	17,221	93,092	5	52.5%	2.79%

### Kampong Cham

District	Beds	Total Discharges	EHD	ALS	BOR	Hosp.Mort.Rate
Chamkar Leu	45	2,142	8,388	4	51.1%	0.93%
Choeng Prey	50	1,865	6,480	3	35.5%	0.48%
Kampong Cham	50	7,369	52,081	7	285.4%	2.77%
Kroch Chmar	40	1,056	6,805	6	46.6%	0.57%
Memut	60	4,334	19,313	4	88.2%	0.95%
O Reang Ov	40	1,399	8,142	6	55.8%	0.57%
Ponhea Krek	50	3,391	13,546	4	74.2%	1.18%
Prey Chhor	50	1,350	6,763	5	37.1%	0.67%
Srei Santhor	55	1,859	12,231	7	60.9%	0.54%
Tbong Khumum	65	2,277	8,577	4	36.2%	0.92%
Total	505	27,042	142,326	5	77.2%	1.36%

### Kampong Chhnang

District	Beds	Total Discharges	EHD	ALS	BOR	Hosp.Mort.Rate
Total	215	7,016	33,242	5	42.4%	0.61%
Kampong Speu	0	1,263	5,608	4	# DIV/0!	0.79%
Total	215	8,279	38,850	5	49.5%	0.64%

### Kampong Speu

District	Beds	Total Discharges	EHD	ALS	BOR	Hosp.Mort.Rate
Oudong	80	3,240	18,287	6	62.6%	3.18%
Total	33	1,509	9,225	6	76.6%	0.00%
Kampong Thom	0	1,397	6,053	4	# DIV/0!	1.65%
Total	113	Total Disch	33,565	# VALUE!	81.4%	# VALUE!

### Kampong Thum

District	Beds	Total Discharges	EHD	ALS	BOR	Hosp.Mort.Rate
Stung	180	6,922	38,864	6	59.2%	0.23%
Total	55	1,505	9,449	6	47.1%	6.25%
0	50	1,660	7,896	5	43.3%	1.27%
Total	285	6,487	56,209	9	54.0%	2.02%

## Kampot

Dis trict	Beds	Total Discharges	EHD	ALS	BOR	Hosp.Mort.Rate
Angkor Chey	40	1,104	6,390	6	43.8%	0.27%
Chhouk	108	3,355	20,518	6	52.0%	0.48%
Kampong Trach	36	1,384	12,100	9	92.1%	2.67%
Kampot	125	3,012	14,630	5	32.1%	2.95%
Total	309	8,855	53,638	6	47.6%	1.64%

## Kandal

Dis trict	Beds	Total Discharges	EHD	ALS	BOR	Hosp.Mort.Rate
Ang Snoul	15	214	768	4	14.0%	0.00%
Kean Svay	72	3,884	25,300	7	96.3%	0.00%
Koh Thom	52	1,766	13,493	8	71.1%	0.74%
Khsach Kandal	50	2,804	15,735	6	86.2%	0.04%
Muk Kam Poul	15	1,485	8,466	6	154.6%	0.07%
Ponhea Leu	10	1,187	5,816	5	159.3%	0.17%
Saang	50	2,316	17,103	7	93.7%	0.04%
Takhmao	150	2,587	21,879	8	40.0%	0.73%
Total	414	16,243	108,560	7	71.8%	0.23%

## Koh Kong

Dis trict	Beds	Total Discharges	EHD	ALS	BOR	Hosp.Mort.Rate
Smach Meanchey	52	1,557	6,062	4	31.9%	3.79%
Sre Ambel	12	488	1,742	4	39.8%	1.84%
Total	64	2,045	7,804	4	33.4%	3.33%

## Kratie

Dis trict	Beds	Total Discharges	EHD	ALS	BOR	Hosp.Mort.Rate
Kratie	122	3,426	15,875	5	35.7%	0.96%
Kratie	146	3,242	17,607	5	33.0%	2.84%
Total	268	6,668	33,482	5	34.2%	1.87%

## Mondulkiri

Dis trict	Beds	Total Discharges	EHD	ALS	BOR	Hosp.Mort.Rate
Sen Monorom	48	2,285	8,759	4	50.0%	1.58%
Total	48	2,285	8759	4	50.0%	1.58%

## Phnom Penh

Dis trict	Beds	Total Discharges	EHD	ALS	BOR	Hosp.Mort.Rate
Cheung	40	1,573	6,301	4	43.2%	0.00%
Kandal	193	4,711	26,042	6	37.0%	0.55%
Lech	37	2,287	7,356	3	54.5%	0.00%
Tbong	65	2,902	18,508	6	78.0%	0.00%
Total	335	0	58,207	# DIV/0!	47.6%	# DIV/0!

## Preah Vihear

District	Beds	Total Discharges	EHD	ALS	BOR	Hosp.Mort.Rate
Tbeng Meanchey	100	4,109	19,998	5	54.8%	168%
Total	100	Tot.Dis ch	19,998	# VALUE!	54.8%	# VALUE!

## Prey Veng

District	Beds	Total Discharges	EHD	ALS	BOR	Hosp.Mort.Rate
District	Beds	739	3,714	5	# VALUE!	0.41%
0	0	1,851	10,306	6	# DIV/0!	184%
Bakan	46	659	2,534	4	15.1%	0.61%
Sampov Meas	221	2,850	16,962	6	21.0%	0.14%
Total	267	3,649	16,454	5	16.9%	0.38%
Rattanakiri	30	788	3,996	5	36.5%	1.14%
District	112	1,374	8,997	7	22.0%	1.24%
0	0	0	62,963	# DIV/0!	# DIV/0!	# DIV/0!

## Pursat

District	Beds	Total Discharges	EHD	ALS	BOR	Hosp.Mort.Rate
District	Beds	1,439	4,758	3	# VALUE!	3.34%
0	0	6,701	39,945	6	# DIV/0!	2.98%
Total	0	2,760	44,703	16	# DIV/0!	8.99%

## Ratanak Kiri

District	Beds	Total Discharges	EHD	ALS	BOR	Hosp.Mort.Rate
Ban Long	124	6,783	25,625	4	56.6%	102%
Total	124	6,783	25,625	4	56.6%	102%

## Siem Reap

District	Beds	Total Discharges	EHD	ALS	BOR	Hosp.Mort.Rate
Kralanh	0	2,114	13,485	6	# DIV/0!	104%
Siem Reap	180	5,340	36,299	7	55.2%	3.76%
Soth Nikum	90	3,345	28,430	8	86.5%	3.17%
Ang Kor Chhum	33	1,814	12,075	7	100.2%	0.06%
Stung Treng	107	12,613	90,289	7	231.2%	2.61%

## Sihanouk Ville

District	Beds	Total Discharges	EHD	ALS	BOR	Hosp.Mort.Rate
Sihanouk Ville	60	3,730	15,166	4	69.3%	2.90%
Total	60	3,730	15,166	4	69.3%	2.90%

## Stung Treng

District	Beds	Total Discharges	EHD	ALS	BOR	Hosp.Mort.Rate
Stung Treng	0	2,212	10,757	5	# DIV/0!	185%
Total	0	2,212	10,757	5	# DIV/0!	185%

## Svay Rieng

District	Beds	Total Discharges	EHD	ALS	BOR	Hosp.Mort.Rate
Chi Phou	40	1,799	10,074	6	69.0%	0.22%
Romeas Hek	32	1,561	8,996	6	77.0%	1.92%
Svay Rieng	140	5,808	36,782	6	72.0%	2.22%
Total	212	9,168	55,852	6	72.2%	1.78%

## Takeo

District	Beds	Total Discharges	EHD	ALS	BOR	Hosp.Mort.Rate
Ang Rokar	30	2,657	11,077	4	101.2%	0.56%
Bati	65	2,954	16,963	6	71.5%	0.34%
Daun Keo	169	7,144	57,235	8	92.8%	3.58%
Kirivong	84	5,256	30,782	6	100.4%	1.66%
Prey Kabass	25	661	3,316	5	36.3%	0.45%
Total	373	18,672	119,373	6	87.7%	1.99%

## Oudar Meanchety

District	Beds	Total Discharges	EHD	ALS	BOR	Hosp.Mort.Rate
Samrong	94	4,000	19,240	5	56.1%	1.95%
Total	94	4,000	19,240	5	56.1%	1.95%

## Kep Ville

District	Beds	Total Discharges	EHD	ALS	BOR	Hosp.Mort.Rate
Kep Ville	20	320	1,174	4	16.1%	0.00%
Total	20	320	1,174	4	16.1%	0.00%

## Krong Pailin

District	Beds	Total Discharges	EHD	ALS	BOR	Hosp.Mort.Rate
Krong Pailin	55	1,366	5,316	4	26.5%	2.64%
Total	55	1,366	5,316	4	26.5%	2.64%

## National hospitals

District	Beds	Total Discharges	EHD	ALS	BOR	Hosp.Mort.Rate
Calmette	270	14,800	85,720	6	87.0%	5.08%
MCH	154	10,709	39,170	4	69.7%	1.84%
NPH	114	9,645	41,447	5	99.6%	1.66%
Kossamak	250	8,809	38,787	5	42.5%	3.28%
No ro dom Sihanouk	380	2,885	34,769	8	25.1%	36.17%
Ang Doung	80	1,225	13,192	8	45.2%	0.00%
Kunthak Bopha	371	34,939	177,719	5	131.2%	2.94%
CENAT	155	1,648	21,151	13	37.4%	0.25%
JAYA7	337	30,716	157,026	5	127.7%	0.90%
Total	1,841	100,576	608,981	6	90.6%	5.94%

### 2. 9. 3 Main Hospital indicators by province

Provinces	Discharges	EHD	ALS	BOR	Ratio Bed / Ihbt
Banteay Meanchey	15,026	103,139	7	30.0%	1,703
Battambang	17,221	93,092	5	52.5%	2,053
Kampong Cham	27,042	142,326	5	77.2%	2,772
Kampong Chhnang	8,279	38,850	5	49.5%	2,916
Kampong Speu	Tot.Disch	33,565	#####	81.4%	4,768
Kampong Thom	6,487	56,209	9	54.0%	2,392
Kampot	8,855	53,638	6	47.6%	2,078
Kandal	16,243	108,560	7	71.8%	3,001
Koh Kong	2,045	7,804	4	33.4%	2,587
Kratie	6,668	33,482	5	34.2%	1,574
Mondul Kiri	2,285	8,759	4	50.0%	884
Phnom Penh	0	58,207	#####	47.6%	4,171
Preah Vihear	Tot.Disch	19,998	#####	54.8%	1,051
Prey Veng	0	62,963	#####	#DIV/0!	2,579
Pursat	2,760	44,703	16	#DIV/0!	1,604
Rattank Kiri	6,783	25,625	4	56.6%	976
Siem Reap	12,613	90,289	7	231.2%	2,148
Sihanouk Ville	3,730	15,166	4	69.3%	3,483
Stung Treng	2,212	10,757	5	#DIV/0!	1,118
Svay Rieng	9,168	55,852	6	72.2%	2,446
Takeo	18,672	55,852	6	87.7%	2,415
Oddar Mean Chey	4,000	19,240	5	56.1%	1,040
Kep	320	1,174	5	16.1%	1,889
Paillin	1,366	5,316	4	26.5%	594
<b>Sub_total</b>	<b>171,775</b>	<b>1,144,566</b>	<b>7</b>	<b>61.2%</b>	<b>2,367</b>
Calmette	14,800	85,720	6	87.0%	
MCH	10,709	39,170	4	69.7%	
NPH	9,645	41,447	5	99.6%	
Kossamak	8,809	38,787	5	42.5%	
Norodom Sihanouk	2,885	34,769	8	25.1%	
Ang Doung	1,225	13,192	8	45.2%	
Kunthak Bopha	34,939	177,719	5	131.2%	
CENAT	1,648	21,151	13	37.4%	
Jaya 7	30,716	157,026	5	127.7%	
<b>Sub_total</b>	<b>115,376</b>	<b>608,981</b>	<b>5</b>	<b>79.0%</b>	<b></b>
Hole Country	287,151	1,753,547	6	60.5%	1,378

## 3 - Main Health Problems

3 .1 Main Health problems of Health Center outpatient consultations by age group

3 .2 Frequency and age distribution of main health problems among Inpatients

3 .3 Main health problems of Inpatients

3 .4 Cases, Deaths and Hospital Case Fatality Rate of main IPD health problems

3.5 Specific Health Problems

3.5.1 Tuberculosis

3.5.2 Malaria

3.5.3 Dengue

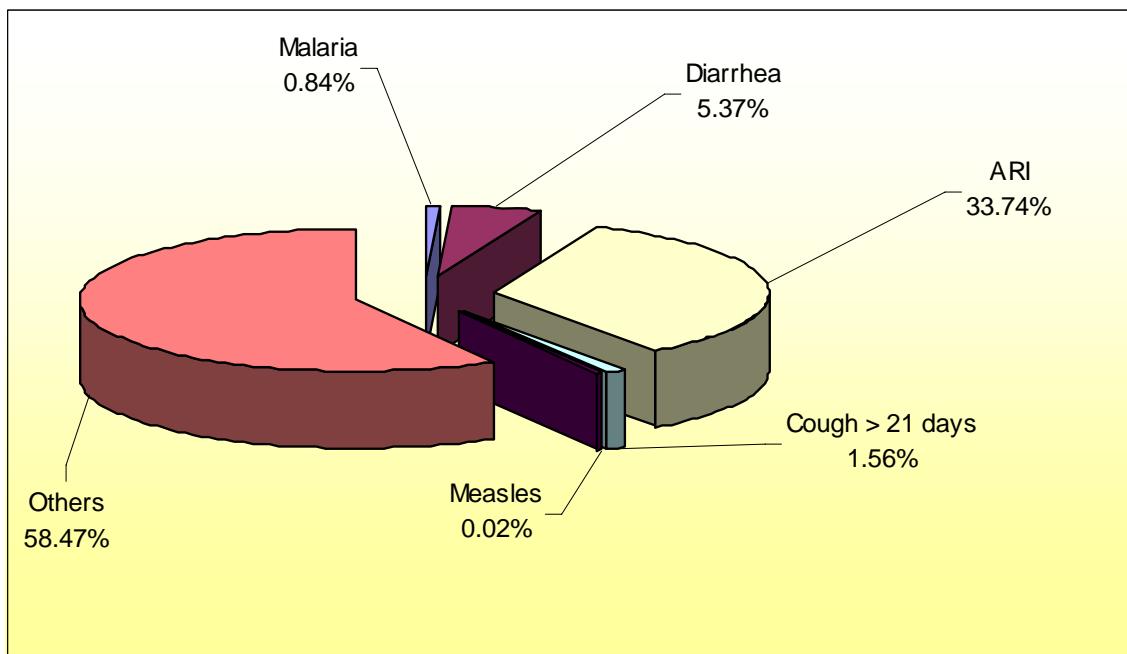
3.5.4 Cholera

3.5.5 Road and Mine accidents

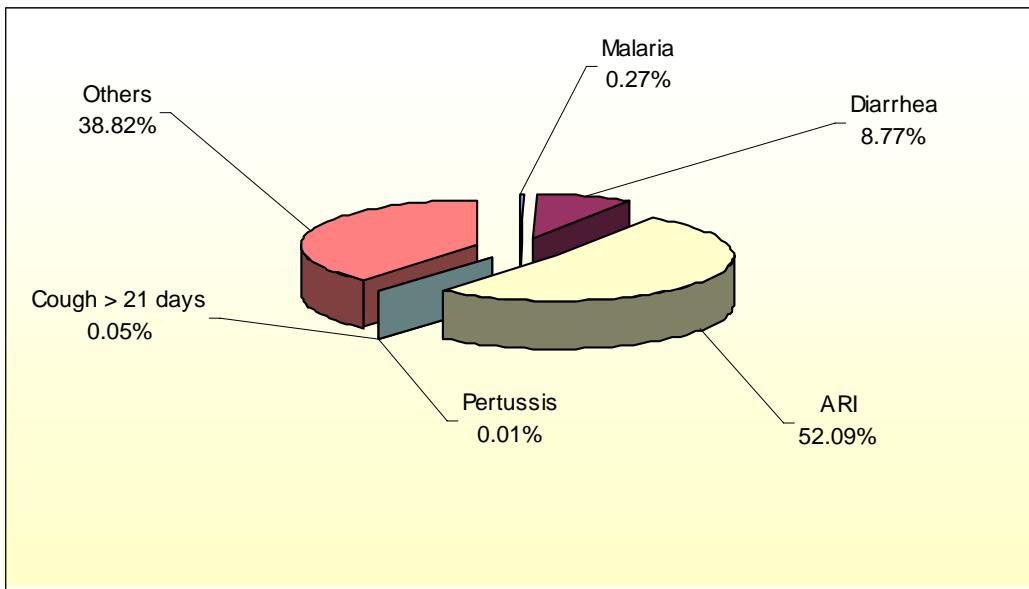
### 3.1 Health problems of health center outpatients consultation by age

Health problem	0 - 4		5 - 14		15 - 49		>50		Total Out-patient	
	#	%	#	%	#	%	#	%	#	%
Malaria	4,002	0.27%	9,792	0.82%	38,275	1.37%	3,365	0.30%	55,434	0.84%
Diarrhea	131,421	8.77%	71,773	5.98%	106,624	3.81%	46,455	4.11%	356,273	5.37%
ARI	780,833	52.08%	464,646	38.74%	708,284	25.30%	282,499	24.99%	2,236,262	33.74%
Cough > 21 days	720	0.05%	4,444	0.37%	50,322	1.80%	48,126	4.26%	103,612	1.56%
Measles	27	0.00%	51	0.00%	570	0.02%	699	0.06%	1,347	0.02%
AFP	0	0.00%	0	0.00%	0	0.00%			0	0.00%
Neonatal tetanus	28	0.00%							28	0.00%
Pertussis	222	0.01%	0	0.00%	0	0.00%	0	0.00%	222	0.00%
Others	581,946	38.82%	648,795	54.09%	1,895,856	67.71%	749,083	66.28%	3,875,680	58.47%
Total	1,499,199	100.0%	1,199,501	100.0%	2,799,931	100.0%	1,130,227	100.00%	6,628,858	100.0%

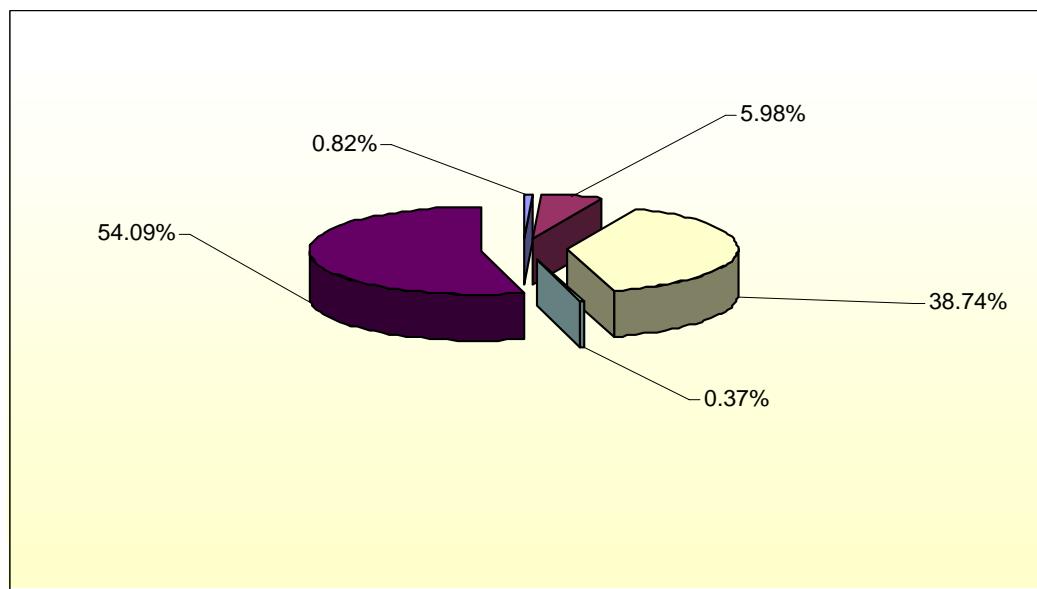
Health Problem of Health Center Outpatients



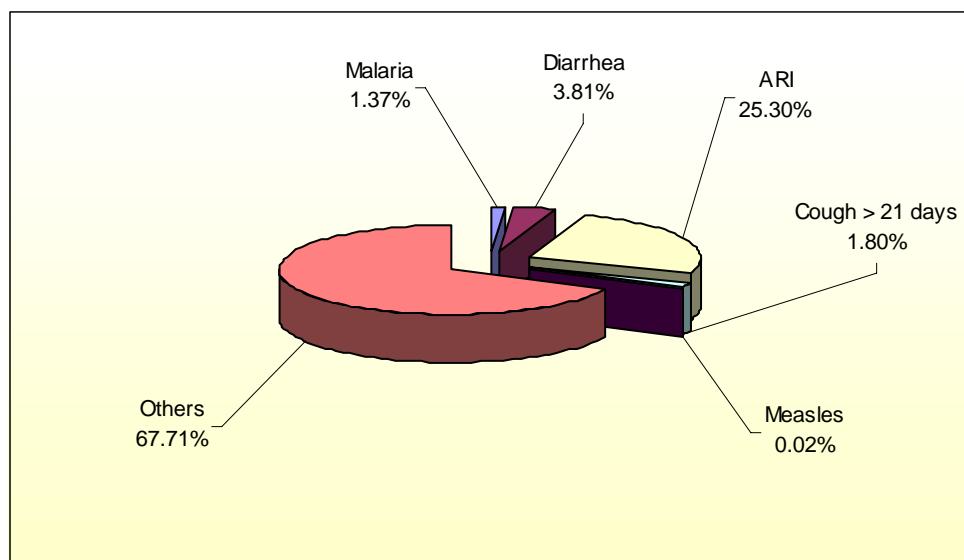
Health problem of Health Center outpatients  
Children 0 – 4 years



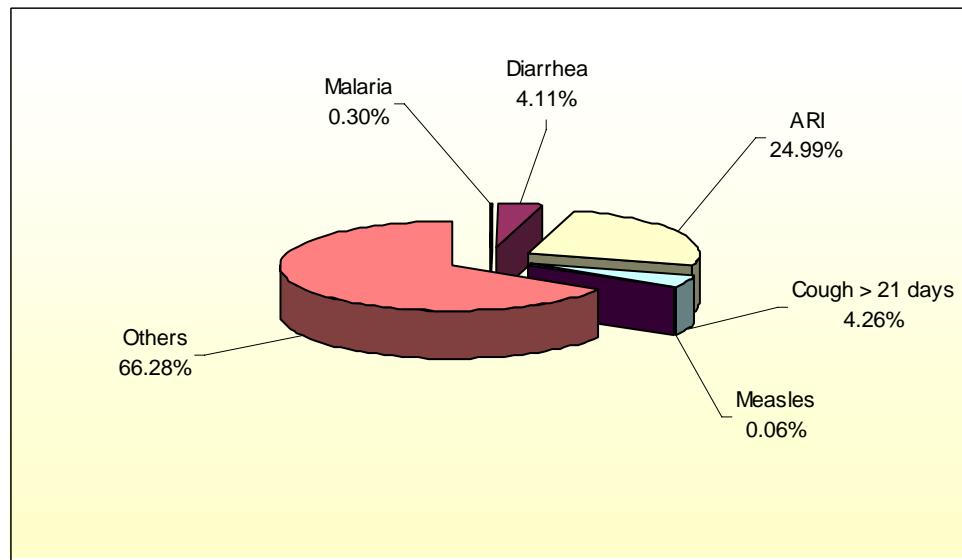
Health problem of Health Center outpatients  
Children 5\_14 years



Health problems of Health Center outpatients  
Adult 15\_49 years



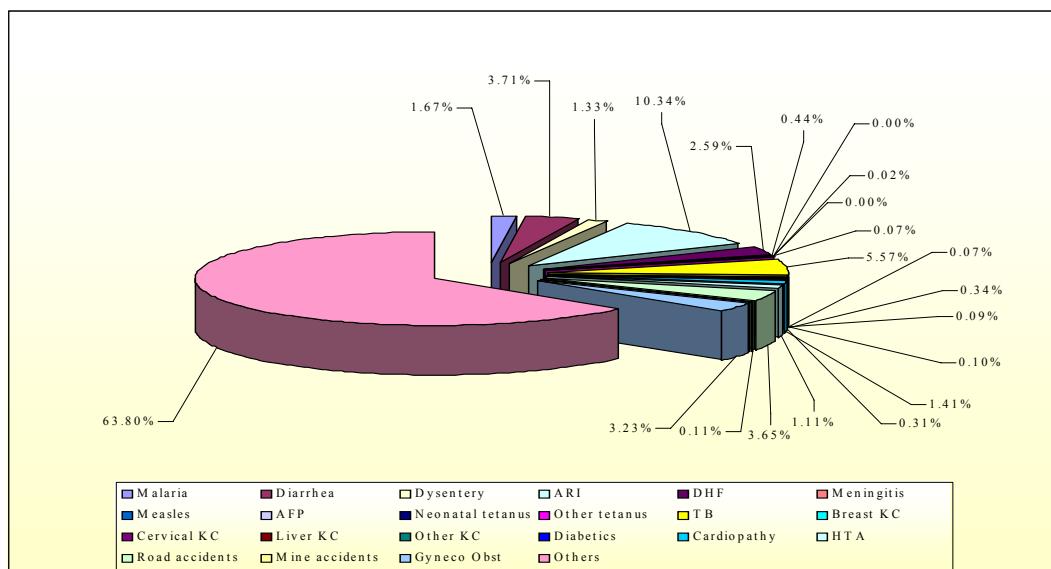
Health Problems of Health Center outpatients  
Adult  $\geq$  50 year



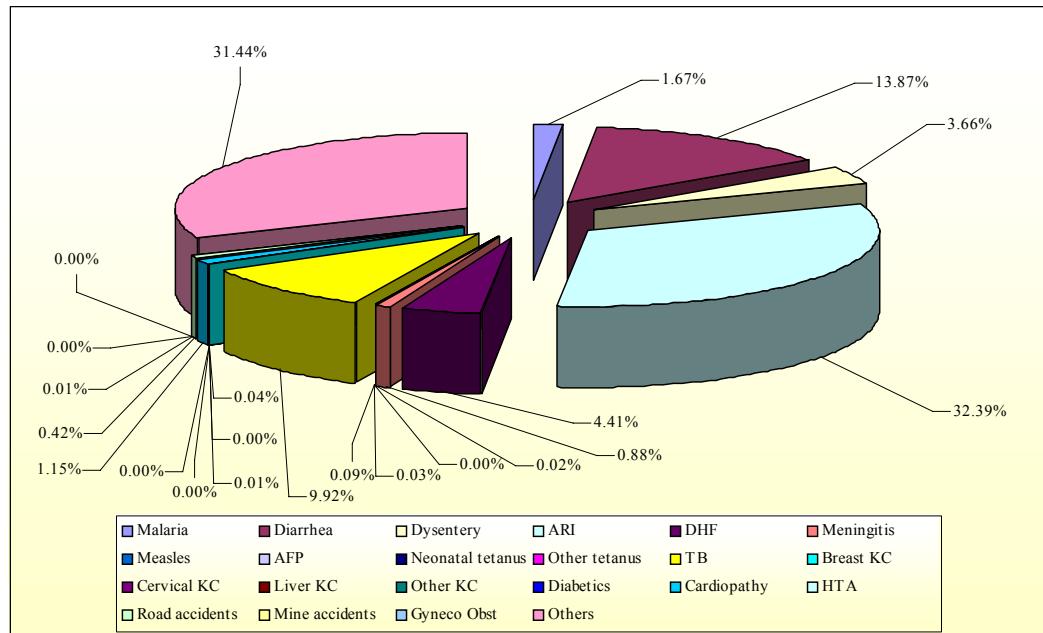
### 3.2 Frequency and age distribution of main health problems among inpatients

Health problem	0-4		5-14		15-49		≥50		Total	
	#	%	#	%	#	%	#	%	#	%
Malaria	1,296	1.67%	2,111	1.05%	1,915	2.45%	1,090	4.07%	6,412	1.67%
Diarrhea	10,766	13.87%	952	0.47%	1,974	2.53%	575	2.15%	14,267	3.71%
Dysentery	2,841	3.66%	546	0.27%	771	0.99%	971	3.62%	5,129	1.33%
ARI	25,145	32.39%	4,060	2.01%	6,225	7.98%	4,321	16.12%	39,751	10.34%
DHF	3,427	4.41%	6,145	3.04%	106	0.14%	287	1.07%	9,965	2.59%
Meningitis	681	0.88%	426	0.21%	473	0.61%	112	0.42%	1,692	0.44%
Measles	12	0.02%	1	0.00%	-	0.00%	0	0.00%	13	0.00%
AFP	3	0.00%	0	0.00%					3	0.00%
Neonatal tetanus	71	0.09%							71	0.02%
Other tetanus	26	0.03%	62	0.03%	115	0.15%	75	0.28%	278	0.07%
TB	7,704	9.92%	4,683	2.32%	5,465	7.00%	3,554	13.26%	21,406	5.57%
Breast KC	5	0.01%	6	0.00%	298	0.38%	84	0.31%	393	0.10%
Cervical KC	0	0.00%	0	0.00%	210	0.27%	139	0.52%	349	0.09%
Liver KC	0	0.00%	3	0.00%	88	0.11%	186	0.69%	277	0.07%
Other KC	30	0.04%	36	0.02%	924	1.18%	333	1.24%	1,323	0.34%
Diabetics	0	0.00%	2	0.00%	535	0.69%	662	2.47%	1,199	0.31%
Cardiopathy	891	1.15%	234	0.12%	1,082	1.39%	3,223	12.02%	5,430	1.41%
HTA	0	0.00%	2	0.00%	1,524	1.95%	2,743	10.23%	4,269	1.11%
Road accidents	325	0.42%	1,341	0.66%	10,713	13.73%	1,656	6.18%	14,035	3.65%
Mine accidents	4	0.01%	59	0.03%	354	0.45%	21	0.08%	438	0.11%
Gyneco Obst	1	0.00%	23	0.01%	11,635	14.91%	754	2.81%	12,413	3.23%
Others	24,411	31.44%	181,133	89.75%	33,645	43.11%	6,017	22.45%	245,206	63.80%
<b>Total</b>	<b>77,639</b>	<b>100.00%</b>	<b>201,825</b>	<b>100.00%</b>	<b>78,052</b>	<b>100.00%</b>	<b>26,803</b>	<b>100.00%</b>	<b>384,319</b>	<b>100.00%</b>

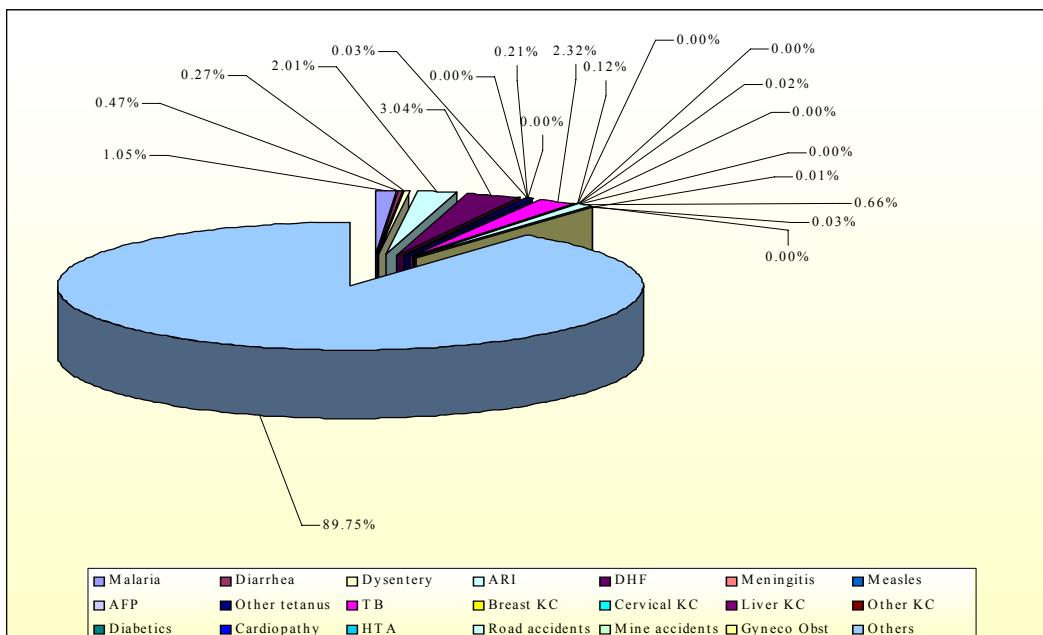
Health Problems among Inpatients



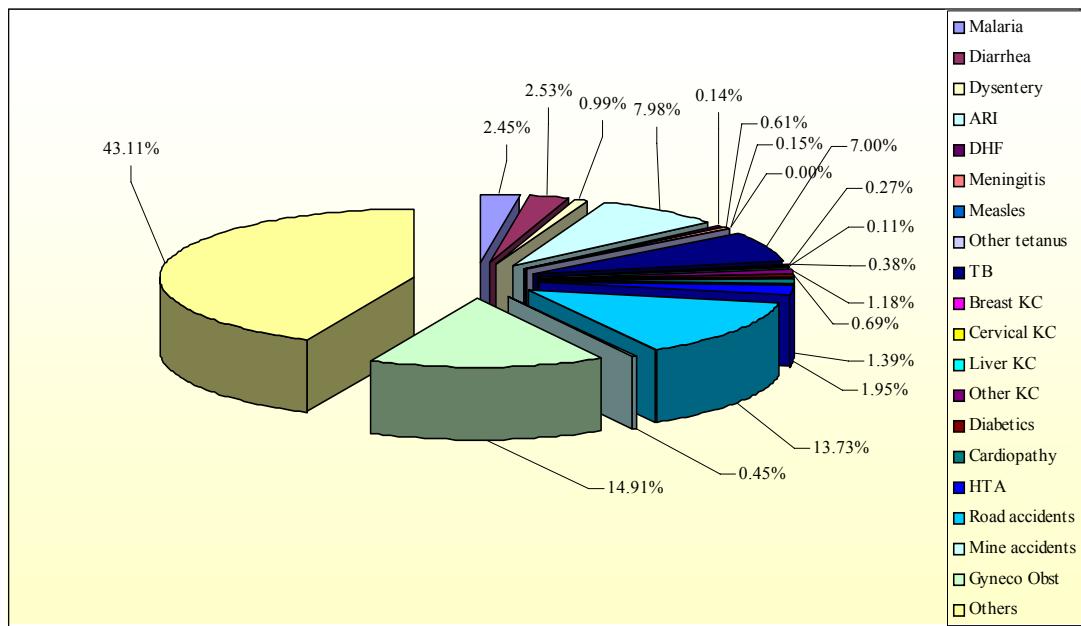
## Health Problems among Inpatients Children 0-4 years



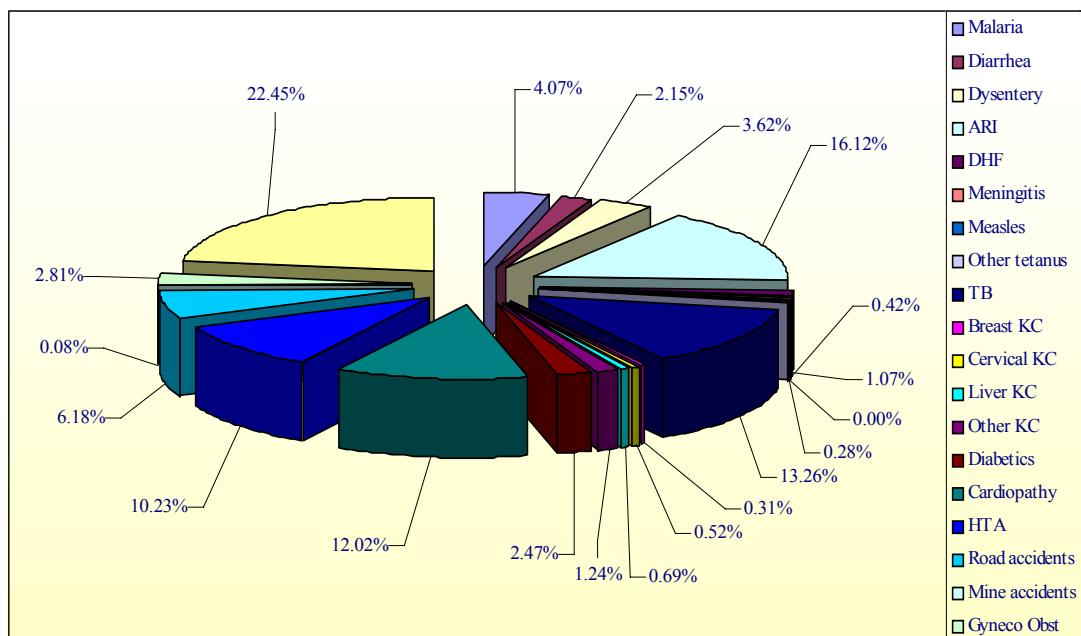
## Health Problems among Inpatients Children 5-14 years



### Health Problems among Inpatients Adult 15-49 years



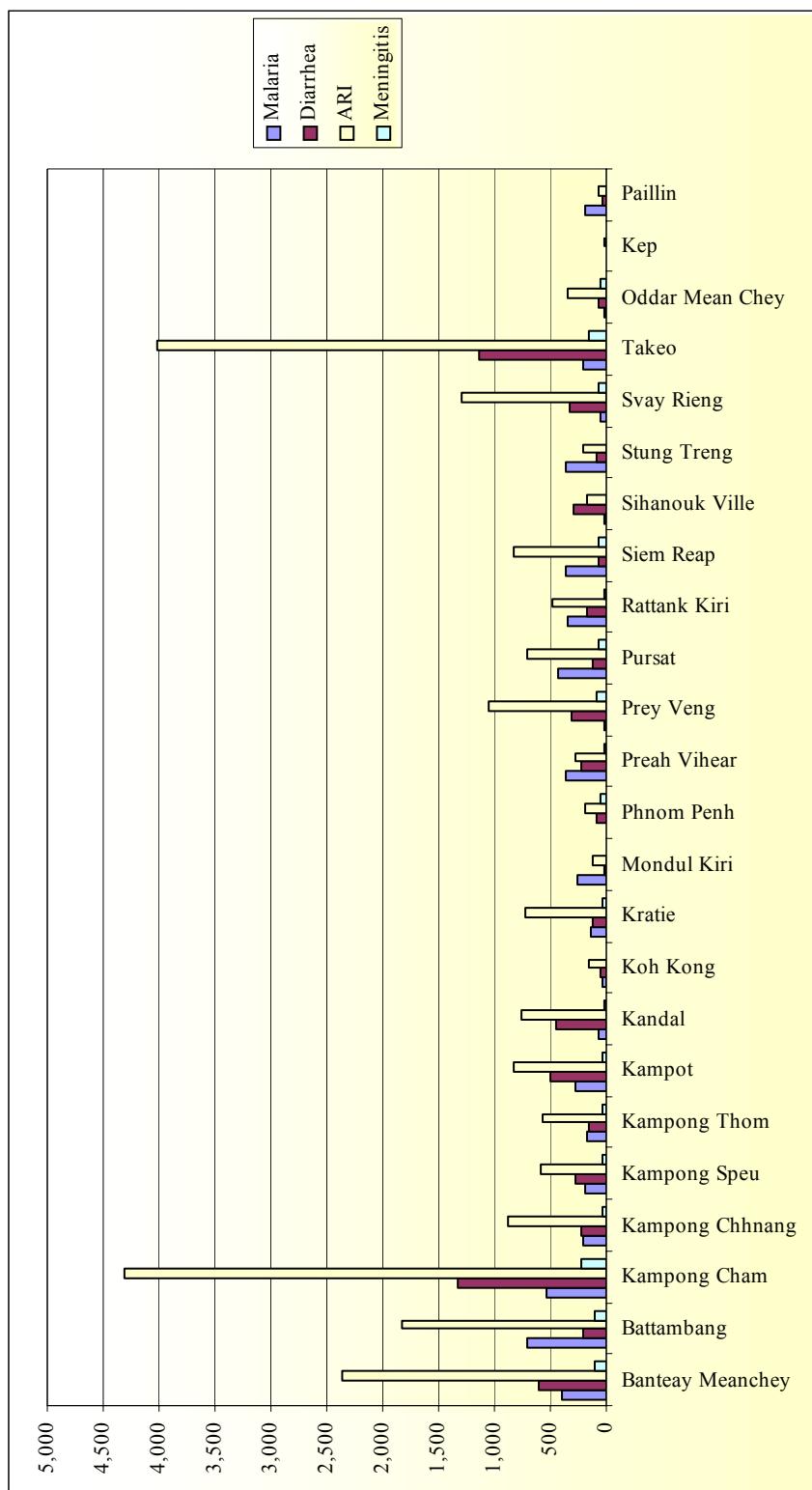
### Health Problems among Inpatients Adult $\geq$ 50 years



### 3.3 Health problems of Inpatients

Banteay Meanchey	398	608	231	0	2,370	295	104	0	265	9,288	13,559
Battambang	706	204	161	35	1,834	276	95	0	449	8,116	11,876
Kampong Cham	543	1,333	312	1	4,302	658	228	0	1,142	13,894	22,413
Kampong Chhnang	214	225	55	0	885	65	28	0	405	6,700	8,577
Kampong Speu	195	278	78	22	579	177	36	0	318	6,329	8,012
Kampong Thom	171	150	27	0	568	178	37	0	172	6,501	7,804
Kampot	281	506	26	14	827	243	38	0	53	6,340	8,328
Kandal	64	454	135	4	751	178	21	0	371	8,222	10,200
Koh Kong	37	58	10	2	148	29	7	0	35	5,752	6,078
Kratie	135	127	37	0	719	44	31	0	218	6,025	7,336
Mondul Kiri	252	25	18	1	119	0	7	0	40	5,225	5,687
Phnom Penh	8	88	20	0	198	21	45	0	382	5,439	6,201
Preah Vihear	355	219	34	0	278	6	19	0	8	5,636	6,555
Prey Veng	20	306	82	9	1,054	195	82	0	316	8,883	10,947
Pursat	439	124	29	0	711	153	61	1	332	6,231	8,081
Rattank Kiri	349	172	40	23	484	26	20	2	38	5,652	6,806
Siem Reap	368	67	32	0	831	5	73	0	506	10,095	11,977
Sihanouk Ville	15	293	4	0	177	30	2	0	24	5,926	6,471
Stung Treng	364	93	12	0	210	0	0	0	173	5,258	6,110
Svay Rieng	44	328	60	2	1,293	102	75	0	307	7,603	9,814
Takeo	212	1,131	288	0	4,016	715	153	0	840	13,548	20,903
Oddar Mean Chey	25	77	24	0	338	8	46	0	26	5,704	6,248
Kep	2	5	23	0	15	0	0	0	47	4,883	4,975
Psailin	191	34	27	3	76	6	0	0	18	5,078	5,433
Sub_total	5,388	6,905	1,765	116	22,783	3,410	1,208	3	6,485	172,328	220,391
Calmette	51	61	14	0	360	0	28	0	450	11,342	12,306
MCH	0	0	0	0	0	0	0	0	1,307	7,528	8,835
NPH	18	1,591	254	0	1,972	1,102	32	0	0	8,701	13,670
Kossamak	61	237	1,010	0	108	125	2	0	3,684	10,153	15,380
No rodom Sihanouk	70	40	50	6	123	49	4	0	487	13,579	14,408
Ang Doung	0	0	0	0	774	0	0	0	0	5,749	6,523
Kunthak Bopha	279	2,249	566	0	8,469	3,222	245	0	0	22,738	37,768
INAT	0	0	0	0	0	0	0	0	0	7,810	7,810
JAYA7	545	3,184	1,470	0	5,162	2,057	173	0	0	34,637	47,228
Sub_total	1,024	7,362	3,364	6	16,968	6,555	484	0	5,928	122,237	163,928
Whole Country	6,412	14,267	5,129	122	39,751	9,965	1,692	3	12,413	294,565	384,319

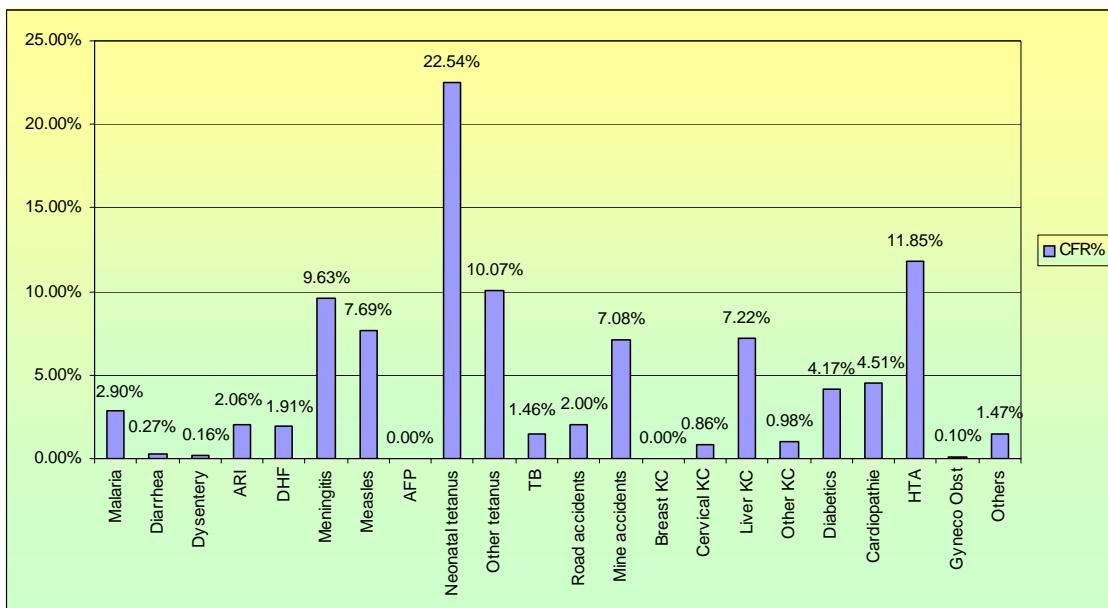
### 3.3.1 Main health problems of Inpatients (Malaria, Diarrhea, Meningitis, ARI )



### 3.4 Cases, deaths and hospital case fatality rates of main IPD health patients

Health problems	Cases	Deaths	CFR %
Malaria	6,412	186	2.90%
Diarrhea	14,267	38	0.27%
Dysentery	5,129	8	0.16%
ARI	39,751	818	2.06%
DHF	9,965	190	1.91%
Meningitis	1,692	163	9.63%
Measles	13	1	7.69%
AFP	3	0	0.00%
Neonatal tetanus	71	16	22.54%
Other tetanus	278	28	10.07%
TB	21,406	313	1.46%
Road accidents	14,035	281	2.00%
Mine accidents	438	31	7.08%
Breast KC	393	0	0.00%
Cervical KC	349	3	0.86%
Liver KC	277	20	7.22%

#### 3.4.1 CFR of main IPD health patients



### 3. 5 Specific health problems

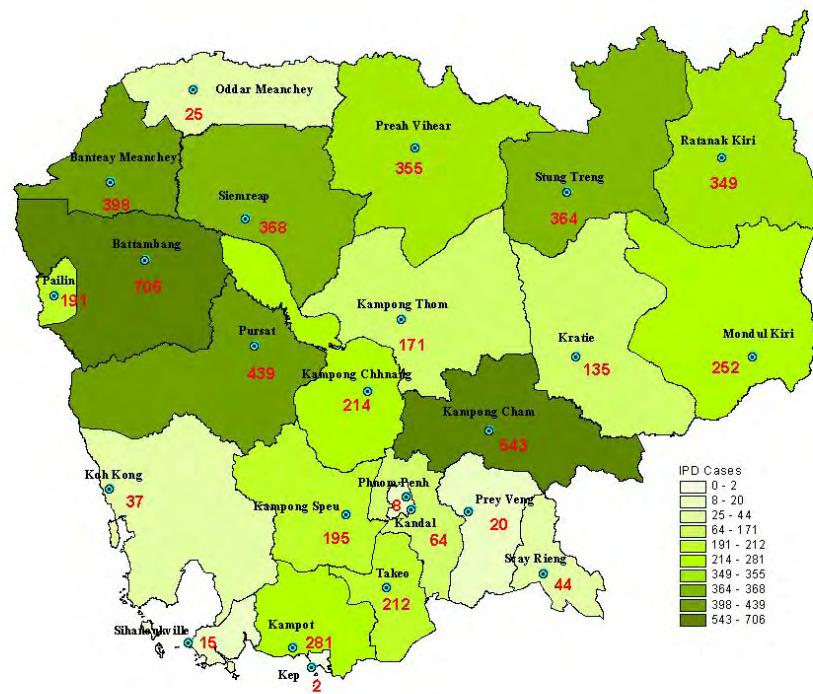
#### 3. 5 .1 Tuberculosis

Province	New case smear +	BK -	Extra Pulmonary	Total
Banteay MeanChey	1,190	865	349	2,479
Battambang	1,117	383	432	1,978
Kampong Cham	2,069	431	519	3,134
Kampong Chhnang	776	87	129	1,024
Kampong Speu	1,362	287	309	2,003
Kampong Thom	1,320	165	176	1,689
Kampot	964	200	259	1,469
Kandal	1,912	541	623	3,160
Koh Kong	102	33	45	194
Kratie	343	111	202	668
Mondul Kiri	16	6	8	35
Phnom Penh	1,091	737	1,032	3,078
Preah Vihear	224	47	68	341
Prey Veng	2,207	477	456	3,260
Pursat	730	233	241	1,254
Rattank Kiri	78	7	13	101
Siem Reap	1,850	733	682	3,369
Sihanouk Ville	218	102	166	492
Stung Treng	123	21	27	174
Svay Rieng	1,288	652	376	2,473
Takeo	1,626	864	575	3,196
Oddar Mean Chey	264	31	40	341
Kep	48	14	13	77
Paillin	65	30	19	115
<b>Total</b>	<b>20,983</b>	<b>7,057</b>	<b>6,759</b>	<b>36,104</b>

### 3.5.2 Malaria OPD, IPD Cases by province

Province	Malaria OPD	Malaria IPD-Simple	Malaria IPD-Severe	Total IPD Cases	Deaths
Banteay Meanchey	1477	285	113	398	6
Bat Dambang	7048	416	290	706	35
Kampong Cham	2411	384	159	543	20
Kampong Chhnang	1461	112	102	214	2
Kampong Spueu	2358	126	69	195	12
Kampong Thum	2124	37	134	171	15
Kampot	2523	145	136	281	4
Kandal	32	58	6	64	0
Kaoh Kong	633	10	27	37	0
Kracheh	2638	102	33	135	4
Mondulkiri	3933	244	8	252	4
Phnom Penh	0	5	3	8	0
Preah Vihear	3913	272	83	355	12
Prey Veaeng	113	13	7	20	2
Pousat	5321	157	282	439	27
Rotanak Kiri	4382	125	224	349	19
Siem Reap	3980	218	150	368	29
Krong P.Sihanouk	76	5	10	15	4
Stueng Traeng	968	267	97	364	10
Svay Rieng	4	22	22	44	4
Takaev	704	110	102	212	10
Otdar Meanchey	1297	18	7	25	0
Krong Kaeb	96	2	0	2	0
Krong Pailin	7700	93	98	191	4
<i>Sub_total</i>	55192	3226	2162	5388	223

### 3.5.3 Malaria IPD Cases by province



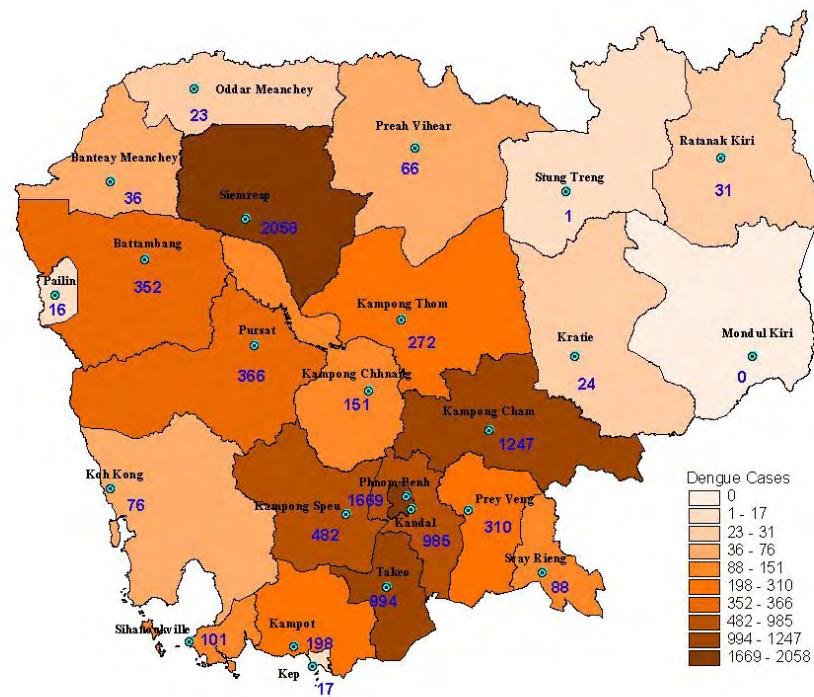
### 3.5.2 Malaria OPD, IPD Cases in National Hospital

Province	Malaria OPD	Malaria IPD-Simple	Malaria IPD-Severe	Total IPD Cases	Deaths
Calmette	5	15	36	51	5
MCH	0	0	0	0	0
NPH	7	17	1	18	0
Kossamak	31	1	60	61	2
Norodom Sihanouk	0	27	43	70	1
Ang Doung	0	0	0	0	0
Kunthak Bopha	49	0	279	279	1
INAT	0	0	0	0	0
JAYA7	150	0	545	545	1
<i>Sub_total</i>	242	60	964	1024	10
<b>Whole Country</b>	<b>55,434</b>	<b>3,286</b>	<b>3,126</b>	<b>6,412</b>	<b>233</b>

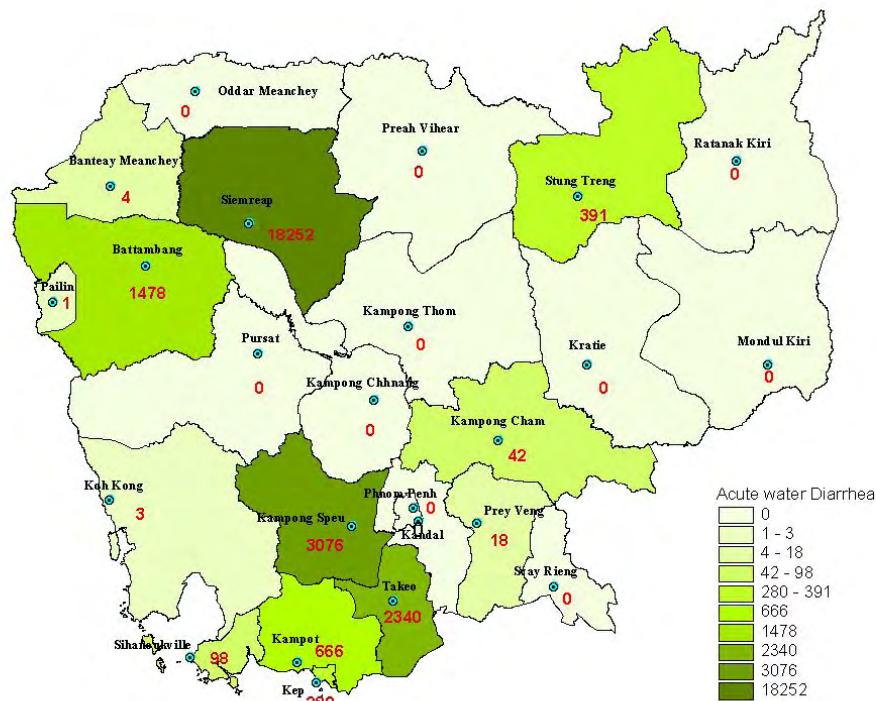
### 3.5.3 Acute Watery Diarrhea , Dengue, AFP, Measles ( Zero reporting )

Province	Acute Watery Diarrhea		Dengue		AFP		Measles	
	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths
Banteay meanchey	4	0	36	0	0	0	0	0
Battambang	1,478	1	352	8	0	0	4	0
Kampong Cham	42	0	1,247	3	9	0	0	0
Kampong Chhnang	0	0	151	0	3	0	0	0
Kampong Speu	3,076	0	482	1	0	0	1	0
Kampong Thom	0	0	272	0	1	0	0	0
Kampot	666	0	198	1	2	0	0	0
Kandal	0	0	985	1	3	0	0	0
Koh Kong	3	0	76	4	1	0	1	0
Kratie	0	0	24	2	0	0	0	0
Mondul Kiri	0	0	0	0	0	0	0	0
Phnom Penh	0	0	1,669	5	7	0	0	0
Preah Vihear	0	0	66	0	0	0	0	0
Prey Veng	18	1	310	1	6	0	0	0
Pursat	0	0	366	1	0	0	0	0
Rattank Kiri	0	0	31	1	0	0	0	0
Siem Reap	18,252	0	2,058	37	0	0	2	0
Sihanouk Ville	98	1	101	1	0	0	0	0
Stung Treng	391	0	1	0	0	0	1	0
Svay Rieng	0	0	88	1	1	0	1	0
Takeo	2,340	0	994	3	11	0	14	0
Oddar Mean Chey	0	0	23	0	0	0	0	0
Kep	280	0	17	0	0	0	0	0
Paillin	1	0	16	0	1	0	0	0
Total	26,649	3	9,563	70	45	0	24	0

### 3.5.3.1 Dengue cases by province ( Zero reporting )

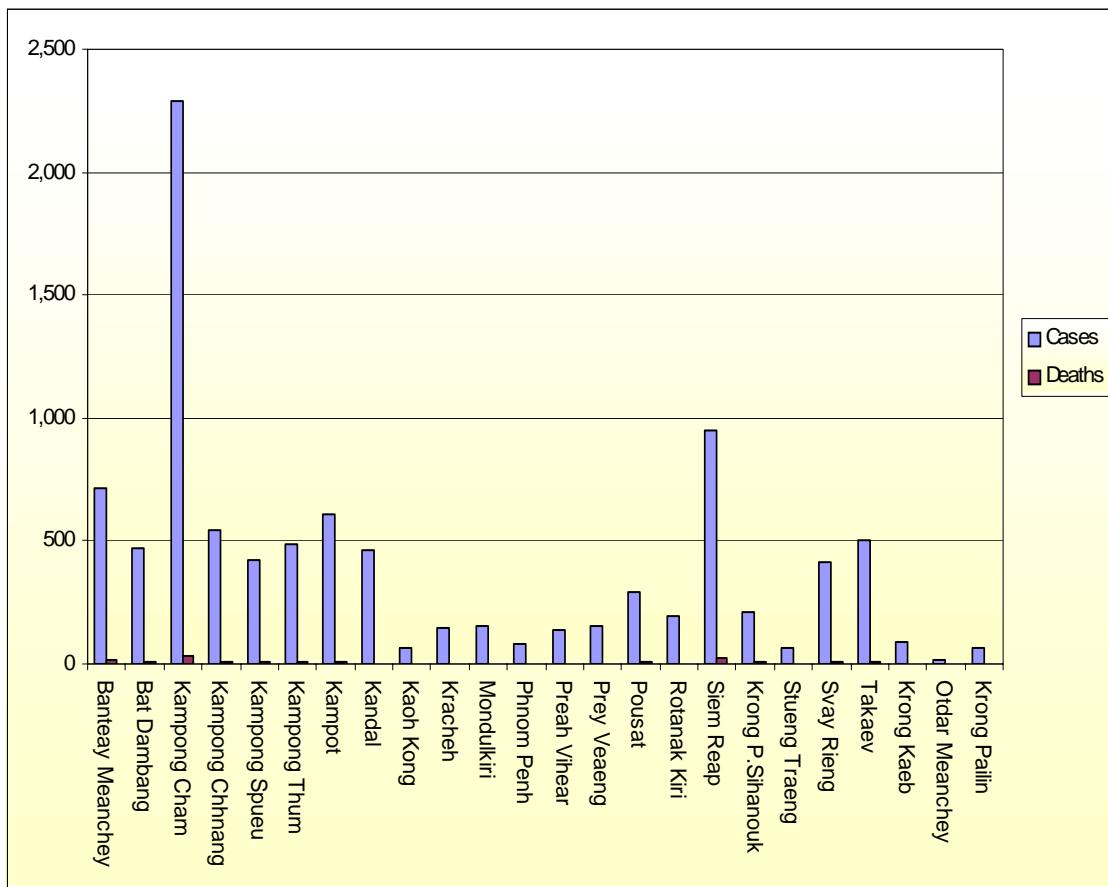


### 3.5.3.2 Acute Water Diarrhea Cases by province ( Zero reporting )



### 3.5.5 Road and Mine accidents

Province	Road Accidents		Mine Accidents	
	Cases	Deaths	Cases	Deaths
Banteay Meanchey	715	19	123	3
Bat Dambang	468	9	71	0
Kampong Cham	2,291	30	21	0
Kampong Chhnang	540	7	1	0
Kampong Spueu	424	11	52	0
Kampong Thum	490	6	1	0
Kampot	608	6	2	0
Kandal	466	0	45	0
Kaoh Kong	61	0	3	0
Kracheh	147	4	9	0
Mondulkiri	156	3	32	0
Phnom Penh	84	0	0	0
Preah Vihear	141	3	12	0
Prey Veaeng	156	1	0	0
Pousat	293	8	6	0
Rotanak Kiri	195	3	0	0
Siem Reap	951	24	0	0
Krong P.Sihanouk	214	10	0	0
Stueng Traeng	64	1	0	0
Svay Rieng	417	7	0	0
Takaev	502	8	2	0
Krong Kaeb	92	1	1	0
Otdar Meanchey	13	0	0	0
Krong Pailin	65	0	23	0
Sub_total	9,553	161	404	3
Calmette	2,055	142	0	0
MCH	0	0	0	0
NPH	37	0	0	0
Kossamak	1,624	56	30	1
Norodom Sihanouk	380	22	0	0
Ang Doung	0	0	0	0
Kunthak Bopha	386	0	2	0
INAT	0	0	0	0
JAYA7	0	0	2	0
Sub_total	4,482	220	34	1
Total	14,035	381	438	4

**3.5.5 Road accidents ( cases and deaths by province )**

## Comparison of main indicators of service utilization from 1998-2005

4.1 Number of contact per inhabitant per year

4.1 Bed occupancy rates

4.1 Antenatal coverage

4.1 Delivery coverage

4.1 EPI coverage : measles

#### **4.1 Number of contacts per inhabitant per year**

<b>Code</b>	<b>Province</b>	<b>1998</b>	<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>
1	Banteay Meanchey	0.18	0.21	0.27	0.50	0.37	0.37	0.41	0.43
2	Battambang	0.3	0.26	0.27	0.55	0.34	0.39	0.37	0.40
3	Kampong Cham	0.34	0.33	0.43	0.50	0.35	0.35	0.40	0.46
4	Kampong Chhnang	0.22	0.13	0.33	0.46	0.36	0.33	0.40	0.49
5	Kampong Speu	0.21	0.25	0.24	0.58	0.32	0.32	0.37	0.42
6	Kampong Thom	0.48	0.41	0.33	0.46	0.41	0.40	0.42	0.47
7	Kampot	0.26	0.27	0.31	0.56	0.21	0.21	0.22	0.28
8	Kandal	0.27	0.19	0.35	0.40	0.53	0.57	0.61	0.60
9	Koh Kong	0.23	0.15	0.15	0.10	0.14	0.15	0.19	0.19
10	Kratie	0.19	0.22	0.27	0.48	0.30	0.34	0.35	0.34
11	Mondulkiri	0.01	0.11	0.06	0.50	1.22	0.80	0.68	1.00
12	Phnom Penh	0.29	0.24	0.30	0.51	0.17	0.16	0.23	0.21
13	Preah Vihear	0.3	0.3	0.29	0.45	0.39	0.43	0.47	0.64
14	Prey Veng	0.21	0.23	0.21	0.49	0.38	0.38	0.45	0.52
15	Pursat	0.4	0.39	0.40	0.45	0.39	0.31	0.46	0.46
16	Rattankiri	0.36	0.39	0.44	0.58	0.46	0.48	0.42	0.57
17	Siem Reap	0.63	0.52	0.35	0.45	0.40	0.44	0.46	0.53
18	Sihanouk Ville	0.24	0.25	0.36	0.58	0.27	0.29	0.28	0.28
19	Stung Treng	0.51	0.53	0.54	0.45	0.37	0.40	0.36	0.31
20	Svay Rieng	0.68	0.97	0.79	0.49	0.29	0.37	0.47	0.55
21	Takeo	0.78	0.53	0.23	0.56	0.44	0.41	0.51	0.61
22	Oddar Mean Chey	0.42	0.25	0.31	0.51	0.62	0.55	0.46	0.58
23	Kep			0.27	0.46	0.52	0.50	0.47	0.50
24	Psailin		0.2	0.75	0.54	0.71	0.70	0.65	1.20
<b>Country Average</b>		<b>0.31</b>	<b>0.29</b>	<b>0.31</b>	<b>0.37</b>	<b>0.36</b>	<b>0.39</b>	<b>0.40</b>	<b>0.50</b>

#### 4.2 Bed occupancy rates

<b>P r o v i n c e</b>	<b>1998</b>	<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>
Banteay Meanchey	38.1 %	32.2 %	69.7%	62.7%	55.1%	53.7%	52.0%	62.2%
Battambang	42.4 %	43.4 %	76.2%	47.0%	43.7%	52.3%	49.6%	52.6%
Kampong Cham	38.2 %	50.2 %	62.0%	66.1%	67.2%	66.4%	73.1%	58.2%
Kampong Chhnang	52.4 %	54.7 %	45.9%	48.1%	39.8%	45.3%	57.6%	60.5%
Kampong Speu	29.3 %	35.3 %	26.6%	60.2%	68.4%	99.4%	55.8%	60.1%
Kampong Thom	62.4 %	63.4 %	42.8%	69.4%	66.5%	59.9%	58.5%	46.2%
Kampot	39.3 %	32.3 %	30.3%	40.6%	34.8%	37.1%	41.5%	50.7%
Kandal	65.4 %	59.5 %	138.9%	67.6%	82.2%	89.2%	72.0%	65.3%
Koh Kong	16.2 %	11.5 %	91.7%	9.6%	29.0%	13.3%	23.9%	28.9%
Kratie	43.2 %	46.3 %	24.7%	62.1%	56.4%	54.9%	47.0%	43.3%
Mondul Kiri	38.3 %	54.3 %	68.6%	9.8%	34.6%	43.3%	30.0%	50.0%
Phnom Penh	33.3 %	28.4 %	57.3%	20.1%	31.5%	33.5%	14.1%	50.6%
Preah Vihear	94.1 %	47.6 %	49.0%	60.4%	47.5%	44.2%	44.2%	37.8%
Prey Veng	30.5 %	24.6 %	42.1%	31.6%	30.3%	33.2%	50.8%	42.6%
Pursat	37.7 %	33.4 %	43.9%	47.3%	43.6%	43.6%	42.4%	45.9%
Rattank Kiri	27.5 %	38.3 %	83.2%	10.2%	36.8%	38.0%	38.0%	56.6%
Siem Reap	62.3 %	59.5 %	34.3%	63.0%	64.1%	62.2%	71.4%	61.7%
Sihanouk Ville	53.4 %	39.4 %	40.1%	46.7%	58.1%	58.1%	59.6%	69.3%
Stung Treng	42.2 %	52.3 %	21.7%	35.9%	41.4%	47.7%	45.4%	31.7%
Svay Rieng	38.3 %	63.7 %	40.2%	55.2%	53.2%	60.5%	85.6%	69.6%
Takeo	53.6 %	48.6 %	45.1%	67.8%	74.5%	82.2%	91.3%	87.7%
Oddar Mean Chey	68.1 %	21.4 %	30.4%	47.0%	54.2%	54.2%	47.4%	56.1%
Kep			48.9%	47.0%	54.2%	54.2%	20.7%	16.1%
Psailin		24.6 %	58.6%	62.8%	27.5%	27.5%	38.4%	26.5%
Calmette			39.9%	75.1%	77.4%	81.5%	78.5%	87.0%
MCH			47.0%	53.8%	62.7%	70.6%	72.0%	69.7%
NPH			49.2%	90.4%	71.0%	99.7%	107.5%	99.6%
Kossamak			34.4%	34.2%	16.3%	75.0%	10.8%	42.5%
Norodom Sihanouk			21.8%	33.9%	39.8%	26.6%	75.0%	25.1%
Ang Doung			30.4%	33.6%	34.9%	152.4%	26.6%	45.2%
Kuntha Bopha			59.0%	131.9%	126.3%	122.3%	152.4%	131.2%
CENAT			93.0%	34.4%	21.3%		28.3%	37.4%
Jaya 7							152.5%	127.7%
<b>Country coverage</b>	<b>47.4 %</b>	<b>46.4 %</b>	<b>50.7%</b>	<b>54.0%</b>	<b>53.8%</b>	<b>60.7%</b>	<b>60.7%</b>	<b>59.9%</b>

### 4.3 Antenatal coverage (ANC2)

Province	1998	1999	2000	2001	2002	2003	2004	2005
Banteay Meanchey	49.2 %	61.3 %	73.4%	43.3%	40.9%	46.1%	47.3%	53.7%
Bat Dambang	20.4 %	30.5 %	36.9%	48.8%	45.9%	53.2%	48.6%	59.4%
Kampong Cham	34.5 %	38.4 %	40.7%	45.9%	41.5%	45.3%	45.9%	47.5%
Kampong Chhnang	30.5 %	48.6 %	42.9%	64.2%	58.8%	62.1%	47.0%	46.7%
Kampong Speu	29.6 %	26.4 %	38.5%	34.6%	39.6%	47.9%	38.4%	43.1%
Kampong Thum	50.2 %	48.2 %	51.7%	36.6%	34.6%	39.8%	29.4%	28.8%
Kampot	26.4 %	23.1 %	30.0%	38.7%	34.0%	35.7%	40.5%	41.3%
Kandal	28.6 %	26.1 %	41.0%	45.1%	40.5%	46.9%	51.3%	56.6%
Kaoh Kong	23.3 %	25.1 %	33.5%	5.6%	23.6%	28.4%	28.3%	35.6%
Kracheh	22.4 %	20.4 %	30.7%	29.9%	21.6%	29.5%	18.1%	18.5%
Modulkiri	9.5 %	4.7 %	9.5%	28.7%	29.4%	36.4%	21.9%	40.2%
Phnom Penh	38.3 %	35.6 %	62.7%	29.4%	24.4%	26.0%	38.2%	42.9%
Preah Vihear	48.5 %	35.3 %	43.0%	12.2%	23.6%	20.4%	12.9%	26.8%
Prey Veaeng	34.3 %	30.2 %	32.1%	40.0%	43.0%	52.6%	46.5%	49.4%
Pousat	35.6 %	28.4 %	60.4%	62.8%	58.7%	53.1%	61.6%	66.4%
Rotanak Kiri	18.7 %	39.4 %	40.3%	14.1%	26.8%	25.3%	13.7%	25.7%
Siem Reap	20.4 %	15.3 %	15.0%	57.8%	52.9%	57.8%	48.1%	53.1%
Krong P.Sihanouk	23.3 %	18.3 %	22.4%	37.2%	29.8%	34.7%	27.2%	21.5%
Stueng Traeng	22.3 %	14.2 %	23.9%	29.7%	39.7%	49.6%	43.5%	50.0%
Svay Rieng	9.5 %	20.1 %	18.5%	65.3%	50.3%	64.4%	69.8%	67.4%
Takaev	19.1 %	15.7 %	7.9%	41.5%	49.1%	54.0%	60.3%	61.9%
Krong Kaeb	21.2 %	5.6 %	4.6%	9.2%	10.6%	69.4%	68.8%	63.2%
Otdar Meanchey			20.5%	36.7%	70.5%	7.6%	7.4%	18.7%
Krong Pailin			32.8%	25.7%	52.6%	54.5%	104.5%	99.2%
<b>Country coverage</b>	<b>30.2 %</b>	<b>36.1 %</b>	<b>40.9 %</b>	<b>43.0 %</b>	<b>41.0 %</b>	<b>46.1 %</b>	<b>45.2 %</b>	<b>53.2 %</b>

#### 4.4 Delivery coverage

Province	1999		2000		2001		2002		2003		2004		2005	
	HC	Hosp	HC	Hosp	HC	Hosp	HC	Hosp	HC	Hosp	HC	Hosp	HC	Hosp
Banteay MeanChey	0.9 %	2.7 %	0.6%	4.7%	2.9%	4.3%	2.9%	2.6%	3.3%	3.2%	4.5%	4.4%	4.4%	4.2%
Battambang	18 %	1.5 %	13%	2.0%	2.0%	6.7%	12.0%	6.8%	17%	8.3%	1.7%	9.3%	1.7%	9.2%
Kampong Cham	5.1 %	2.6 %	8.5%	2.3%	13%	3.0%	13.0%	3.6%	1.5%	3.2%	3.1%	4.0%	3.0%	4.0%
Kampong Chhnang	11 %	3.6 %	19.9%	8.9%	18%	4.6%	2.2%	4.9%	2.7%	4.5%	5.7%	7.8%	5.6%	7.6%
Kampong Speu	0.7 %	1.6 %	0.9%	2.0%	14%	2.0%	13.0%	1.6%	12%	2.6%	1.4%	3.2%	1.3%	3.2%
Kampong Thom	3.2 %	5 %	1.1%	5.6%	1.1%	2.5%	0.8%	2.6%	0.6%	2.6%	0.8%	3.5%	0.8%	3.4%
Kampot	1.3 %	1.5 %	1.3%	1.5%	1.1%	3.8%	0.5%	3.8%	8.7%	0.9%	2.2%	3.9%	2.2%	3.8%
Kandal	0.3 %	2.4 %	0.9%	3.4%	10.2%	2.4%	10.3%	2.1%	11.9%	2.1%	19.4%	3.7%	19.1%	3.7%
Koh Kong	3.9 %	3.3 %	0.9%	3.3%	0.3%	0.0%	2.2%	6.8%	2.3%	4.7%	5.4%	6.7%	5.1%	6.4%
Kratie	0.7 %	1.2 %	0.9%	6.6%	0.9%	4.3%	0.8%	3.3%	1.0%	3.5%	1.0%	4.4%	1.0%	4.2%
Mondul Kiri	1.5 %	2.9 %	0.7%	2.1%	0.2%	9.2%	0.2%	5.6%	2.8%	3.8%	1.0%	4.6%	0.9%	4.5%
Phnom Penh	0.6 %	3 %	1.1%	3.4%	11.6%	3.6%	8.2%	2.2%	10.5%	3.0%	22.9%	5.8%	22.2%	5.7%
Preah Vihear	1.6 %	6 %	15%	5.4%	0.5%	2.4%	0.5%	1.3%	0.5%	2.1%	0.4%	2.5%	0.4%	2.4%
Prey Veng	2.3 %	1.6 %	2.4%	1.8%	1.5%	1.9%	13.0%	2.1%	2.9%	2.3%	9.8%	3.4%	9.7%	3.4%
Pursat	7 %	1.7 %	3.3%	3.7%	1.3%	2.8%	2.4%	3.1%	2.4%	19%	3.3%	4.2%	3.2%	4.2%
Rattank Kiri	1 %	2.7 %	10%	2.8%	18%	1.7%	3.1%	6.4%	4.0%	5.8%	4.0%	4.7%	3.9%	4.6%
Siem Reap	0.5 %	0.8 %	0.3%	1.2%	4.4%	3.7%	4.0%	1.9%	3.9%	1.1%	5.2%	1.3%	5.0%	1.2%
Sihanouk Ville	1 %	4 %	12%	5.0%	1.1%	8.3%	1.2%	9.3%	12%	8.0%	1.2%	9.9%	1.1%	9.6%
Stung Treng	1.1 %	1.2 %	0.4%	5.5%	0.2%	4.5%	0.2%	5.0%	0.7%	5.1%	1.1%	7.5%	1.0%	7.3%
Svay Rieng	7 %	7.8 %	0.9%	6.3%	0.6%	3.4%	0.5%	2.5%	0.5%	3.1%	1.3%	5.7%	1.2%	5.6%
Takeo	0.5 %	5.6 %	0.8%	2.4%	18%	3.7%	4.0%	5.0%	6.0%	4.2%	12.2%	7.0%	12.1%	6.9%
Oddar Mean Chey	0.4 %	0.9 %	1.1%	3.2%	330.0%	1.6%	16%	3.7%	4.6%	2.9%	16.0%	5.2%	15.6%	5.1%
Kep	%	%	1.1%	0.3%	0.8%	6.2%	0.0%	8.7%	0.1%	10.5%	0.0%	3.7%	0.0%	3.6%
Krong Pailin	0.6 %	3.4 %	1.3%	11.3%	0.3%	7.5%	4.1%	6.0%	1.1%	10.3%	3.0%	18.5%	2.9%	17.8%
Coverage rate	2.9 %	5 %	3.6 %	5.6 %	3.3 %	5.3 %	3.2 %	5.0 %	4.2 %	6.4 %	6.7 %	9.7 %	8.1 %	5.3 %

#### 4.5 EPI coverage : measles

Province	1999		2000		2001		2002		2003		2004		2005	
	Measles		Measles		Measles		Measles		Measles		Measles		Measles	
	Doses	%	Doses	%	Doses	%	Doses	%	Doses	%	Doses	%	Doses	%
Banteay Meanchey	13,387	70%	12,847	75.2%	15,868	73.5%	16,524	76.6%	15,795	73.2%	12,499	60.0%	14,523	68.0%
Bat Dambang	26,305	70%	23,135	68.5%	20,869	72.1%	20,695	70.4%	23,101	78.5%	17,742	60.0%	22,336	79.0%
Kampong Cham	24,562	7%	27,240	71.0%	34,808	62.6%	31,518	58.7%	37,908	70.5%	31,975	65.0%	41,306	81.0%
Kampong Chhnang	28,569	72%	23,800	66.8%	9,875	57.5%	10,532	72.2%	11,678	80.1%	9,561	64.0%	11,751	73.0%
Kampong Spueu	37,118	58%	34,998	60.9%	14,368	54.0%	14,920	66.7%	15,708	70.2%	12,810	61.0%	16,856	80.0%
Kampong Thum	11,168	67%	9,045	60.7%	13,504	66.3%	12,402	62.6%	13,181	66.5%	10,153	62.0%	13,036	67.0%
Kampot	16,539	69%	13,657	63.9%	12,537	64.9%	11,193	58.3%	10,501	54.7%	9,515	54.0%	11,099	69.0%
Kandal	19,903	63%	20,857	74.0%	27,572	72.1%	25,429	65.0%	24,711	63.1%	19,822	61.0%	25,949	86.0%
Kaoh Kong	15,177	72%	13,834	73.4%	17,08	36.6%	1,670	40.7%	2,217	54.0%	1,777	67.0%	2,582	50.0%
Kracheh	2,470	40%	2,920	52.6%	6,852	70.4%	4,065	41.4%	5,643	57.4%	4,768	36.0%	6,264	63.0%
Modulkiri	1,645	31%	2,044	43.4%	356	23.8%	335	24.4%	767	55.9%	824	49.0%	1,066	70.0%
Phnom Penh	9,329	65%	10,367	80.6%	24,009	68.9%	22,573	66.7%	28,125	83.1%	16,290	55.0%	17,790	71.0%
Preah Vihear	19,502	62%	20,267	71.7%	3,427	75.1%	1,501	35.4%	2,742	64.6%	2,164	68.0%	3,370	77.0%
Prey Veaeng	15,007	65%	15,478	75.1%	23,261	66.7%	20,662	59.2%	18,728	53.7%	16,105	51.0%	20,315	79.0%
Pousat	22,760	74%	22,223	81.4%	10,428	81.0%	9,315	72.4%	9,739	75.7%	7,569	63.0%	9,519	76.0%
Rotanak Kiri	14,504	64%	14,270	70.3%	1,892	54.9%	2,268	65.9%	2,495	72.4%	2,590	62.0%	2,628	59.0%
Siem Reap	2,210	46%	3,771	88.6%	22,379	85.7%	20,759	79.5%	21,575	82.6%	16,647	60.0%	21,327	82.0%
Krong P.Sihanouk	4,252	40%	6,658	70.9%	2,689	49.8%	2,811	53.3%	3,048	57.8%	2,825	66.0%	3,546	63.0%
Stueng Traeng	1,778	55%	1,485	51.3%	1,457	48.1%	1,962	70.2%	2,202	78.8%	1,746	52.0%	2,403	79.0%
Svay Rieng	401	31%	624	53.9%	12,224	68.3%	11,282	67.7%	11,042	66.3%	8,221	59.0%	9,926	79.0%
Takaev	1,278	34%	2,017	60.0%	20,651	69.6%	19,633	65.9%	18,549	62.3%	16,020	67.0%	19,570	83.0%
Krong Kaeb	421	37%	470	45.9%	2,530	57.6%	2,446	55.7%	2,767	63.0%	2,564	69.0%	3,242	84.0%
Otdar Meanchey			1,206	49.4%	624	58.2%	603	57.6%	580	55.4%	550	101.0%	752	79.0%
Krong Pailin	417	46%	614	41.4%	536	38.4%	442	30.2%	562	38.4%	671	60.0%	870	83.0%
National Hospital														8,745
Country coverage	288,285	63%	283,827	69.0%	284,424	69.2%	265,540	64.6%	283,364	68.9%	283,364	65.0%	290,771	79.0%

## Human Resources

- 5.1 Number of MoH staff at central level, 2005
- 5.2 Number of MoH staff by provinces and total country, 2005

**Central level**

<b>Central level</b>	Total	Anesth	Den	Den A	Dr Ph	MA	MD	NHT	Other	Ph	Ph Ass	Physio	Pri D	Pri L	Pri M	Pri N	Pri Ph	Prof	Sec L	Sec M	Sec N	X-Ray	
Cabinet	4					1	1		1					1			1		1	3	3	2	
Cambodian Red Cross	39					3	3	5	24	1					1			1		5	5		
Central Medical Store (CMS)	34		2	1	7	2	8	6							2			1		1	3		
Department of Administration	34		1	7	2	8	6								1			1		1	3		
Department of Budget & Finance	83				4	3	36	26	3						1			1		5	5	29	
Department of Communicable Diseases Control	63				9	23	1								1			2					
Department of Drugs & Food/Medical Material& Cosmetic	81			1	1	9	6	58	4														
Department of Health Information and Planning	34			5	18	8		1												2			
Department of Hospital Services	44		2		3	26	1		5	2									4	1			
Department of Human Resources Development	31		1		7	17	1		1										2	2			
Department of Personnel	32				3	7	6	3		2				2	2		1	1	3	2			
Department of Preventive Medicine	24		7	1	3	9		1						1			1		1	1			
Directorate General of Administration & Finance	10	1			2	3	2		1	1													
Directorate General of Health	30				5	9	1	5	2	2							1		2	3			
Inspectorate General	9	1			1	2	1	2															
Ministry of Health	43				4	8	2	6	1				3	6	1			4	8				
National Center for TB & Leprosy Control	188				18	57	4	12	7	4	3		1	4	2	14	2	60					
National AIDS and STI centre (NCHADS)	131				13	65	5	7	3	1							7	4	26				
National AIDS Authority	29				5	16	2	2		1									3				
National Center for Health Promotion	59				12	28	7	3	2										6				
National Centre for Blood Transfusion	37				2	7	1	4	3	2			2		1		6		9				
National Centre for Entomology, Parasitology & Malaria Control	92				9	32	5	7	2	3			1		1	1	13		18				
National Centre for Traditional Medicine	38				1	5	7	3	8	8	3				1				2				
National Institute of Public Health	91				4	27	9	5	7	1			2				29		7				
National Lab for Drugs Quality Control	40				1		7	4	17	3						1	3		4				
National Maternal Child Health Centre	386	1	1	30	78	9	26	11	3				27		2	11	108	79					
Pasteur Institute	31				1	7	2	7					3		1			6	4				
Technical School for Medical Care	61					2	15	2	5	4		4			1		5	8	15				
University of Health Science (UHS)	124		24	6		4	23	8	18	9	1		1		1	11	3	1	14				
<i>Sub_total</i>	<i>1,902</i>	<i>1</i>	<i>38</i>	<i>9</i>	<i>3</i>	<i>164</i>	<i>495</i>	<i>146</i>	<i>195</i>	<i>38</i>	<i>7</i>	<i>8</i>	<i>6</i>	<i>52</i>	<i>5</i>	<i>19</i>	<i>100</i>	<i>147</i>	<i>305</i>				
<b>National Hospital</b>																							
Calmette	405	1	2		21	106	7	23	8	1		2	1	7		8	19	30	167	1			
Kunthak Bopha	202				11	22	1	2	4	3				6		4	9	5	135				
National Pediatric	268	1			11	63	4	14	7	3			1		14	2	13	1	134				
Preah Ang Doung	154	9	3	2	13	50	1	7	2	1	1		3	1	9	2	1	6	6	42	1		
Norodom Shanhouch	526	10			38	139	8	18	6	6	1		1	34		3	16	64	176				
Kossamk	385	8			39	112	4	13	7	6			1	18		3	8	14	151				
<i>Sub_total</i>	<i>1,940</i>	<i>0</i>	<i>29</i>	<i>5</i>	<i>2</i>	<i>133</i>	<i>492</i>	<i>25</i>	<i>77</i>	<i>34</i>	<i>11</i>	<i>12</i>	<i>6</i>	<i>4</i>	<i>88</i>	<i>2</i>	<i>21</i>	<i>71</i>	<i>120</i>	<i>805</i>	<i>2</i>		
<b>Grand Total</b>	<b>3,842</b>	<b>1</b>	<b>67</b>	<b>14</b>	<b>5</b>	<b>297</b>	<b>987</b>	<b>171</b>	<b>272</b>	<b>198</b>	<b>49</b>	<b>19</b>	<b>0</b>	<b>14</b>	<b>10</b>	<b>140</b>	<b>7</b>	<b>40</b>	<b>171</b>	<b>267</b>	<b>1,110</b>	<b>2</b>	

Province level

Province	Total	Anesth	Den	Den A	Dr-Ph	MA	MD	NHT	Other	Ph	Ph Ass	Physio	Pri D	Pri L	Pri M	Pri N	Pri Ph	Prof	Sec L	Sec M	Sec N	X-Ray
Banteay Meanchey	879	1	6	4	51	53	3	89	6	3	1	1	10	49	213	1	10	115	263			
Battambang	1,413	1	3	8	89	73	1	199	20	7	4	3	22	72	299	2	12	211	387			
Kampong Cham	1,303	7	2	82	109	17	53	16	9	2	1	119	273	2	10	168	432	1				
Kampong Chhnang	467	2	2	29	28	2	19	8	3	2	2	56	159	1	4	47	103					
Kampong Speu	602	3	3	42	57	1	20	6	7	2	1	1	36	214	1	11	58	138				
Kampong Thon	653	3	2	32	44	15	106	9	2	2	96	160	1	13	55	113						
Kampot	689	3	2	49	54	2	117	9	4	2	3	2	34	121	1	10	79	197				
Kandal	1,076	8	13	81	135	19	109	21	11	2	1	7	87	219	3	18	97	245				
Koh Kong	161	2	1	21	25	3	10	3		2	7	19	1	3	22	42						
Kratie	356	1	2	33	18	2	21	6	3		25	109		3	51	82						
Krong Kep	72	1	3	10	3	3					27				7	15						
Krong Pailin	123	1	2	15	15	2	26			1	3	29			8	21						
Mondulkiri	138	1	3	16	6	1	13	1	1	1	16	33		1	11	34						
National Hospitals	1,942	29	6	2	133	491	25	77	34	11	12	6	4	88	2	21	71	120	808	2		
National MOH	1,902	1	38	9	164	495	146	195	164	38	7	8	6	52	5	19	100	147	305			
Oddar Mean Chey	177	1		11	17	3	3	1			1	7	71		3	11	48					
Phnom Penh	750	11	5	130	103	10	22	19	13	1	3	33	110	7	1	13	103	166				
Preah Vihear	209	1	1	9	15	5	13	2	2		1	3	36	39	6	2	23	51				
Prey Veng	1,031	3	3	109	60	7	70	8	4	1	1	156	379	1	16	51	162					
Pursat	518	1	3	34	34	12	35	3	2	3	11	20	59	2	5	95	199					
Rattanakiri	252	2	9	10	1	22	1	1		3	1	47	91		3	11	50					
Siem Reap	655	4	1	39	66	3	19	10	7	2	8	45	122	1	3	113	212					
Sihanoukville	281	3	2	24	34	1	11	10	3	1		17	42		6	44	83					
Stung Treng	227	1	14	13	3	41	2	2		1	21	40		1	33	55						
Sway Rieng	484	2	2	29	44	6	11	4	2	2	1	40	198		7	32	104					
Takéo	766	3	4	69	70	7	47	9	7	2	3	44	169		19	62	251					
Total	17,126	3	137	83	5	1,317	2,079	297	1,351	377	143	44	22	91	1,076	3,335	37	41	344	1,774	4,566	
																					3	