



# འགྲུབ་ལྡན་གྱི་ལས་འགུག་ལྟུང་ལྟུང་གི་ལྟུང་ལྟུང་།

## Quarterly Morbidity & Activity Report



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### Editorial

With the advent of modern medicine in the country, the Royal Government of Bhutan wisely decided to adopt a system of free health care for its citizens. This has now been mandated by the Constitution of Bhutan. The free health system has thus far produced commendable population health outcomes and health equity given Bhutan's relatively small economy and stage of development. While Bhutan may not be in the league of countries with high performing health systems, it is one of the few countries in the world providing free health services to all its citizens in the most equitable manner.

But, Bhutan's health care expenditure is skyrocketing and competing priorities from other sectors on our already limited resources is growing by the day. The need for prudent use of available resources has become ever more important if Bhutan is to continue providing free health care services and further improve its quality of care.

One of the effective tools of improving efficient use of resources is undoubtedly through promotion of high quality research and use of research evidences for developing sound policies and interventions. There is an urgent need to identify priority research areas of national importance and to promote the culture of research and use of research evidences to ensure that our limited resources are used in the most efficient and cost-effective manner.

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## 1. Mortality

Total deaths of 1043 people have been recorded in the year 2011 across all health facilities

Figure 1a: Total deaths reported from health facilities by all causes (Jan-Dec 2011)

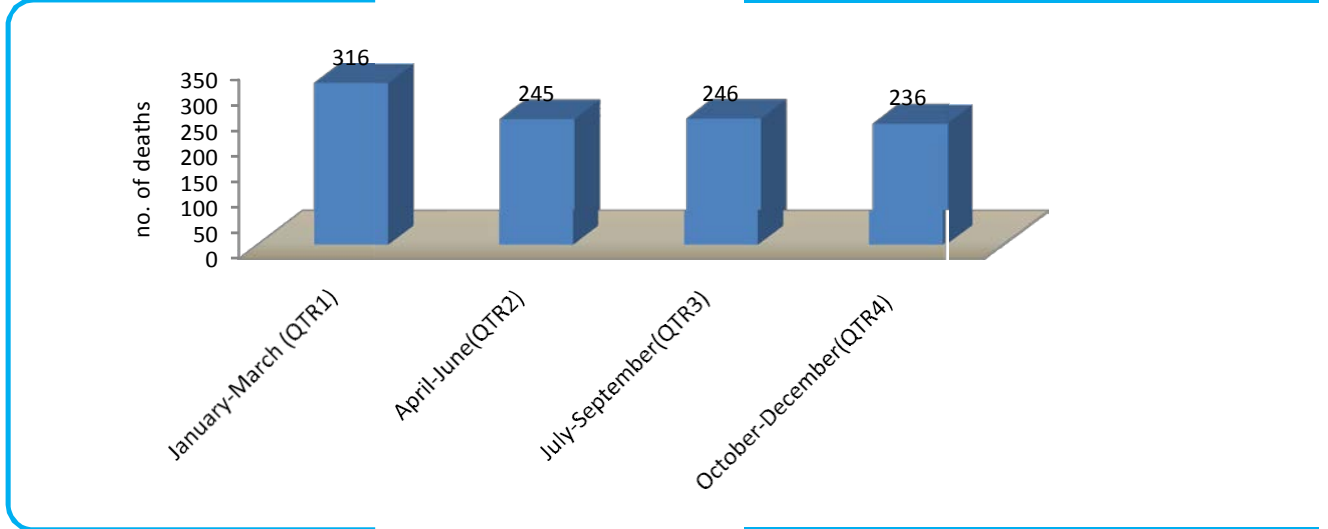
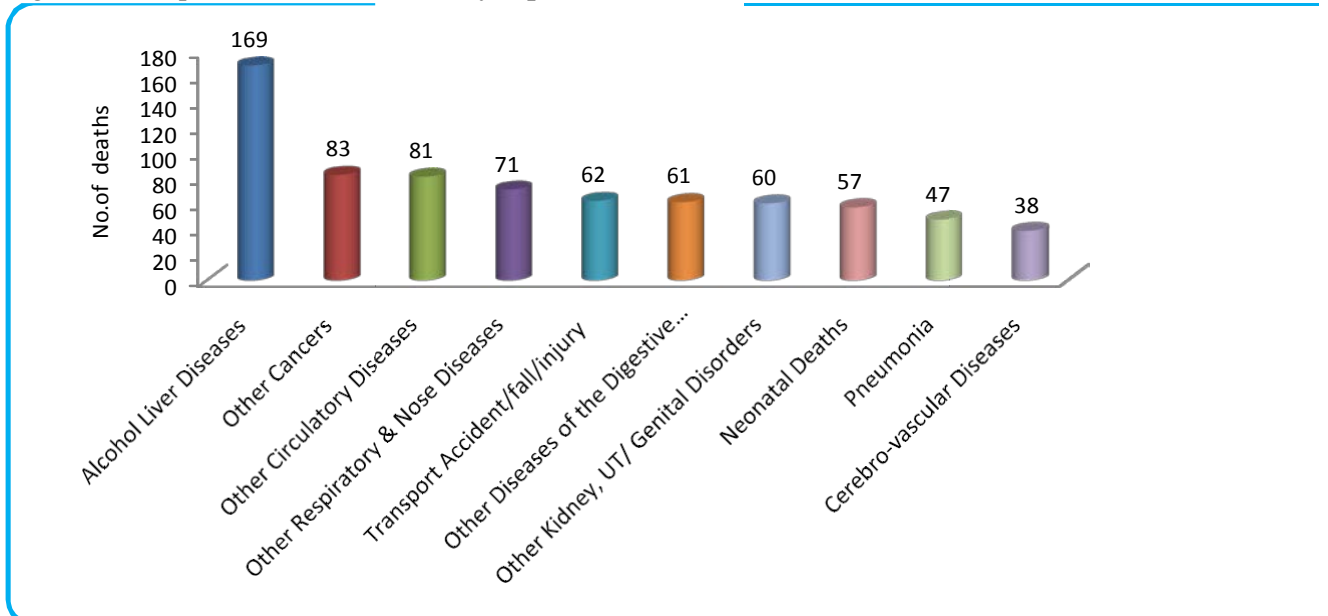


Figure 1b: Top ten causes of mortality reported from health facilities (Jan-Dec, 2011)



Note: For definitions and list of diseases/conditions under 'Other', please refer to Bhutan Management and Health Information System (BMHIS) Manual (2009) available from BMHIS, Planning and Policy Division, Ministry of Health, Bhutan

## 2. Top Ten Morbidity

Figure 2a: Top ten morbidities reported from health facilities in Bhutan (Jan-Dec, 2011)

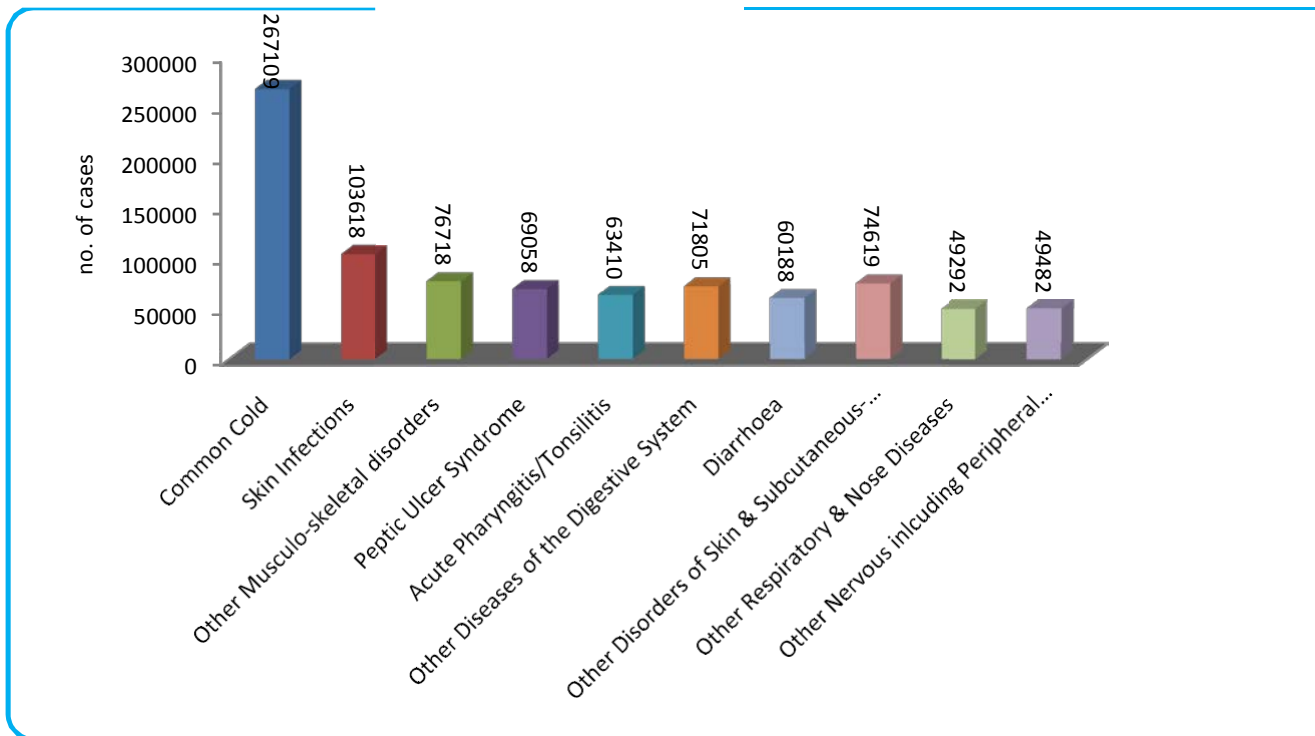


Figure 2.b: Top 10 causes of morbidity by region (Jan-Dec, 2011)

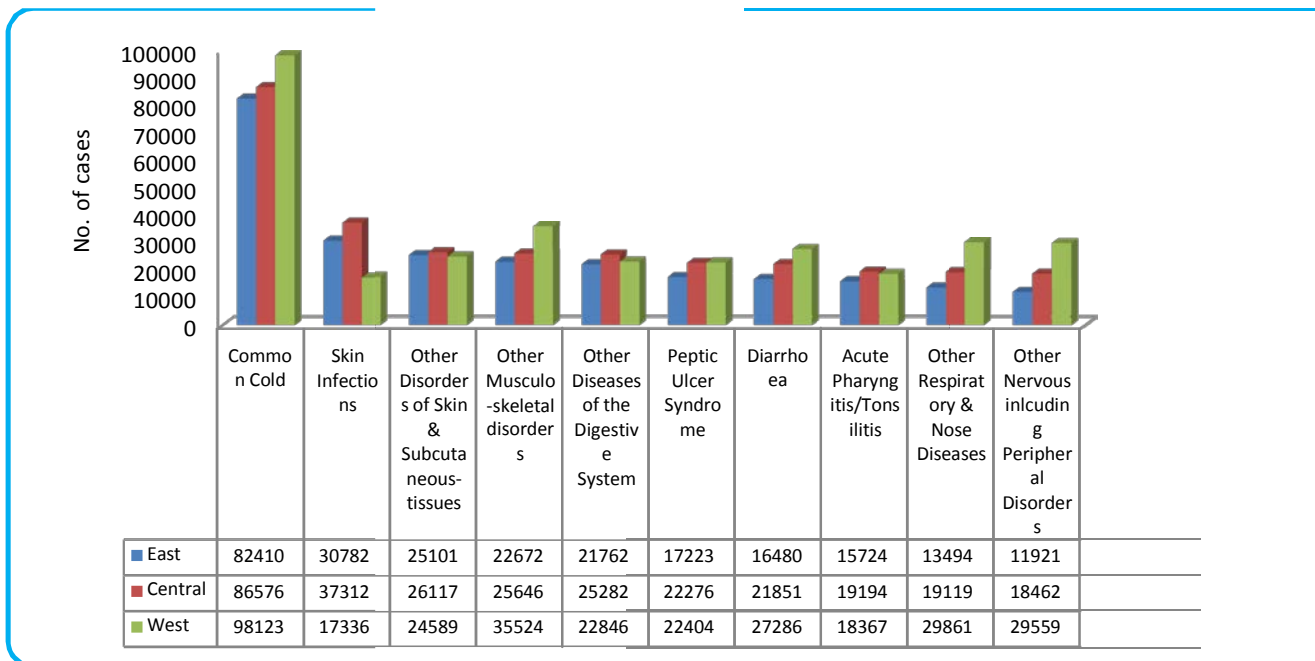
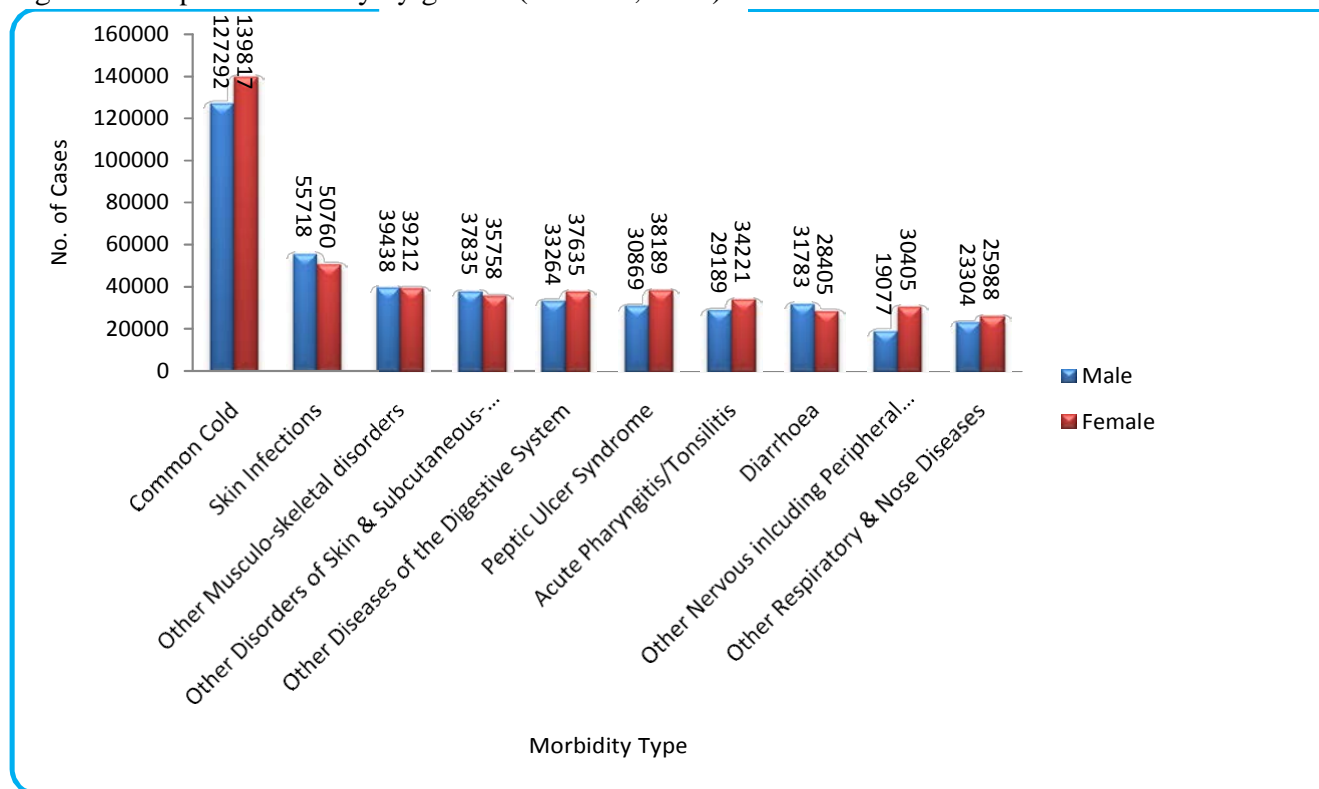


Figure 2c: Top 10 Morbidity by gender (Jan-Dec, 2011)



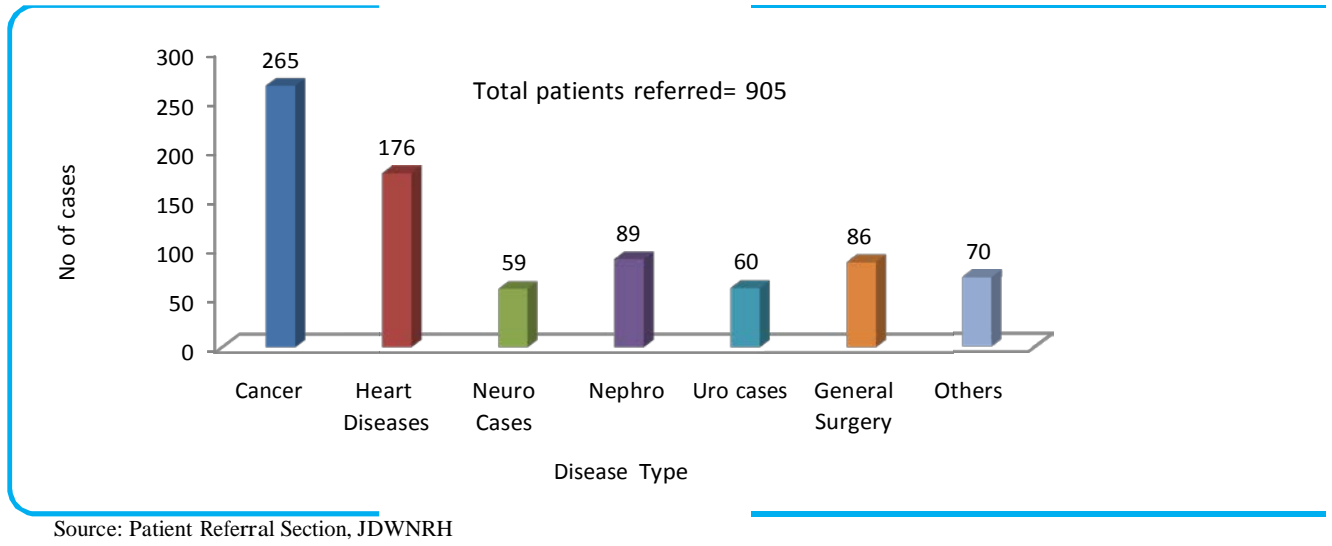
### 3. Patient Referrals ( Jan-Dec2011)

Table 1: Patients referred to Regional and National Referral Hospitals in Bhutan.

Health Facility	Qtr.1	Qtr.2	Qtr.3	Qtr.4	Total
JDWNRH	434	490	458	555	1937
MRRH	263	324	227	258	1027
GRRH	140	129	171	147	587

As expected, Jigme Dorji Wangchuck National Referral hospital (JDWNRH) received 54% of all in country referral cases for tertiary care followed by Mongar Regional Referral Hospital (MRRH) with 28% and Gelephu Regional Referral hospital (GRRH) with 12%.

Figure 3a: Total patients referred to India for treatment (July 2010-June 2011)



The Referral Committee of JDWNRH referred a total of 905 patients from July 2010-June 2011. Of the referred patients, 265 (29%) were cancer patients. Of the cancer patients, cervical and oronasalpharynx cancers topped the list with 41 and 34 patients respectively. Among the Heart and kidney patients, Rheumatic Heart Disease (46 patients) and End Stage Renal Diseases (30 patients) were the leading causes.

Table 2: Patients Referral Costs to India (July 2010-June 2011)

Place of Referral	Nu. in Millions
Kolkatta	64,536,268
Chennai	36,419,712
Guwahati	2,401,592
Total	103,357,572/-

Source: Patient Referral Section, JDWNRH

## 4. Surgical procedures in Regional and National Referral Hospitals (Jan-Dec, 2011)

Type of Surgery	JDWNRH*		MRRH**		GRRH***	
	Major	Minor	Major	Minor	Major	Minor
Caesarian Section	728	0	185	0	174	0
General Abdominal	417	265	86	11	3	108
General Others	498	0	96	177	6	47
Orthopaedic: Extremities	625	0	242	120	10	19
Orthopaedic: Others	0	0	6	16	0	2
Gynaecology	315	430	33	130	5	93
ENT	226	166	45	128	0	49
EYE	775	78	31	4	84	26

\*Jigme Dorji Wangchuck National Referral Hospital

\*\*Mongar Regional Referral Hospital (Eastern)

\*\*\*Gelephu Regional Referral Hospital (Central)

## 5. Ante-natal Visits and TT2+ Injections administered to pregnant mothers by Dzongkhags (Oct. -Dec, 2011)

Dzongkhag	1st Visit	2nd Visit	3rd Visit	4th Visit	4+ Visit	TT2+
Bumthang	82	75	82	53	76	61
Chukha	317	345	365	337	1071	247
Dagana	103	102	81	49	78	128
Gasa	18	9	12	6	1	11
Haa	49	38	36	29	37	39
Lhuentse	60	51	50	45	174	64
Mongar	216	182	147	156	219	165
Paro	182	193	144	146	351	151
Pemagatshel	78	91	99	75	129	61
Punakha	100	102	104	94	165	56
SamdrupJongkhar	126	145	139	250	229	109
Samtse	262	270	263	248	487	212
Sarpang	165	174	201	197	488	158
Thimphu	584	588	562	535	1188	446
Trashigang	189	211	202	154	200	163
Trashiyangtse	82	70	68	50	85	74
Trongsa	61	50	44	45	77	41
Tsirang	95	94	66	67	57	81
Wangdi	216	227	198	142	203	172
Zhemgang	62	73	47	40	49	56
Total	3047	3090	2910	2718	5364	2495

6. Deliveries attended by health workers and use of forceps/vacuum among attended deliveries by Dzongkhags (Oct.-Dec., 2011)

Dzongkhag	Home	Facility	Forceps/Vacuum
Bumthang	5	48	0
Chukha	19	263	3
Dagana	3	36	0
Gasa	2	0	0
Haa	0	6	0
Lhuentse	13	19	0
Mongar	17	270	13
Paro	0	121	1
Pemagatshel	7	24	0
Punakha	0	142	12
SamdrupJongkhar	21	140	7
Samtse	4	130	3
Sarpang	5	182	0
Thimphu	5	1004	8
Trashigang	13	101	0
TrashiYangtse	6	19	0
Trongsa	3	16	0
Tsirang	0	72	0
Wangdi	28	91	0
Zhemgang	8	27	0
Total	159	2711	47

In the fourth quarter, there were a total of 2870 deliveries attended by trained health workers. Of these, only 5.54% of the births were attended in private homes. It is important to note that the above table represents only deliveries attended by health workers and it doesn't include unattended home deliveries.

7. Post-Natal Care Visits by Dzongkhags (Oct.-Dec., 2011)

Dzongkhag	1st Visit	2+ Visit
Bumthang	53	18
Chukha	224	209
Dagana	50	17
Gasa	5	1
Haa	26	42
Lhuentse	46	34
Mongar	138	158
Paro	166	107
Pemagatshel	29	13
Punakha	61	53
SamdrupJongkhar	104	81
Samtse	151	171
Sarpang	83	152
Thimphu	529	551
Trashigang	103	126
TrashiYangtse	55	71

Trongsa	20	15
Tsirang	44	45
Wangdi	125	103
Zhemgang	35	19
Total	2047	1986

#### 8. Use of family planning methods by Dzongkhags (Oct.-Dec., 2011)

Dzongkhag	IUD	OralP	DMPA	Condom Distributed (Pieces)
Bumthang	8	472	694	20340
Chukha	55	1465	2089	16943
Dagana	0	972	1197	12375
Gasa	0	34	141	1834
Haa	0	367	442	6361
Lhuentse	1	286	515	8590
Mongar	23	572	1818	54346
Paro	17	521	1133	25072
Pemagatshel	7	462	752	6024
Punakha	23	549	921	8591
SamdrupJongkhar	1	884	1169	13944
Samtse	7	2192	1586	16686
Sarpang	17	1019	1588	20430
Thimphu	148	2754	6746	40419
Trashigang	12	956	1954	20851
TrashiYangtse	9	195	458	7064
Trongsa	7	480	420	7033
Tsirang	3	835	1205	5338
Wangdi	8	1960	571	15667
Zhemgang	3	516	805	10809
Total	349	17491	26204	318717

NB: Numbers of new IUDs inserted; new cycles of oral pills prescribed; new injection of DMPA; and number of condoms distributed.

#### 9. Pregnancy, Child Birth and Puerperium (Oct.-Dec., 2011)

Dzongkhag	Pregnancy Related Complications	No.of patients	Pregnancy Related Complications	No. of patients
Bumthang	Abortions	4	Obstructed Labour	1
	Pregnancy Induced Hypertension	3	Post Partum Haemorrhage	2
	Ante-Partum Haemorrhage & Placenta Previa	0	Retained Placenta	1
	Malpresentation	0	Puerperal Sepsis	1
	Prolonged Labour	1		
Chukha	Abortions	36	Obstructed Labour	0
	Pregnancy Induced Hypertension	6	Post Partum Haemorrhage	0
	Ante-Partum Haemorrhage & Placenta Previa	1	Retained Placenta	2
	Malpresentation	3	Puerperal Sepsis	1
	Prolonged Labour	5		



Dagana	Abortions	3	Obstructed Labour	0
	Pregnancy Induced Hypertension	1	Post Partum Haemorrhage	0
	Ante-Partum Haemorrhage & Placenta Previa	1	Retained Placenta	1
	Malpresentation	1	Puerperal Sepsis	2
	Prolonged Labour	3		
Gasa	Abortions	1	Obstructed Labour	0
	Pregnancy Induced Hypertension	0	Post Partum Haemorrhage	0
	Ante-Partum Haemorrhage & Placenta Previa	0	Retained Placenta	0
	Malpresentation	0	Puerperal Sepsis	0
	Prolonged Labour	0		
Haa	Abortions	0	Obstructed Labour	0
	Pregnancy Induced Hypertension	2	Post Partum Haemorrhage	0
	Ante-Partum Haemorrhage & Placenta Previa	0	Retained Placenta	0
	Malpresentation	0	Puerperal Sepsis	0
	Prolonged Labour	3		
Lhuentse	Abortions	0	Obstructed Labour	1
	Pregnancy Induced Hypertension	0	Post Partum Haemorrhage	0
	Ante-Partum Haemorrhage & Placenta Previa	2	Retained Placenta	0
	Malpresentation	0	Puerperal Sepsis	0
	Prolonged Labour	2		
Mongar	Abortions	7	Obstructed Labour	2
	Pregnancy Induced Hypertension	20	Post Partum Haemorrhage	2
	Ante-Partum Haemorrhage & Placenta Previa	5	Retained Placenta	3
	Malpresentation	0	Puerperal Sepsis	1
	Prolonged Labour	10		
Paro	Abortions	19	Obstructed Labour	2
	Pregnancy Induced Hypertension	15	Post Partum Haemorrhage	0
	Ante-Partum Haemorrhage & Placenta Previa	5	Retained Placenta	2
	Malpresentation	2	Puerperal Sepsis	2
	Prolonged Labour	6		
Pemagatshel	Abortions	4	Obstructed Labour	1
	Pregnancy Induced Hypertension	1	Post Partum Haemorrhage	0
	Ante-Partum Haemorrhage & Placenta Previa	1	Retained Placenta	1
	Malpresentation	1	Puerperal Sepsis	0
	Prolonged Labour	4		
Punakha	Abortions	16	Obstructed Labour	0
	Pregnancy Induced Hypertension	8	Post Partum Haemorrhage	4
	Ante-Partum Haemorrhage & Placenta Previa	4	Retained Placenta	1
	Malpresentation	3	Puerperal Sepsis	0
	Prolonged Labour	9		
SamdrupJongkhar	Abortions	28	Obstructed Labour	0
	Pregnancy Induced Hypertension	3	Post Partum Haemorrhage	1
	Ante-Partum Haemorrhage & Placenta Previa	4	Retained Placenta	4

	Malpresentation	0	Puerperal Sepsis	0
	Prolonged Labour	11		
Samtse	Abortions	29	Obstructed Labour	0
	Pregnancy Induced Hypertension	8	Post Partum Haemorrhage	3
	Ante-Partum Haemorrhage & Placenta Previa	3	Retained Placenta	9
	Malpresentation	6	Puerperal Sepsis	1
	Prolonged Labour	5		
Sarpang	Abortions	43	Obstructed Labour	63
	Pregnancy Induced Hypertension	34	Post Partum Haemorrhage	3
	Ante-Partum Haemorrhage & Placenta Previa	1	Retained Placenta	6
	Malpresentation	0	Puerperal Sepsis	2
	Prolonged Labour	168		
Thimphu	Abortions	85	Obstructed Labour	24
	Pregnancy Induced Hypertension	39	Post Partum Haemorrhage	4
	Ante-Partum Haemorrhage & Placenta Previa	14	Retained Placenta	2
	Malpresentation	3	Puerperal Sepsis	7
	Prolonged Labour	16		
Trashigang	Abortions	12	Obstructed Labour	1
	Pregnancy Induced Hypertension	3	Post Partum Haemorrhage	1
	Ante-Partum Haemorrhage & Placenta Previa	0	Retained Placenta	3
	Malpresentation	1	Puerperal Sepsis	1
	Prolonged Labour	7		
Trashiyangtse	Abortions	4	Obstructed Labour	0
	Pregnancy Induced Hypertension	1	Post Partum Haemorrhage	0
	Ante-Partum Haemorrhage & Placenta Previa	0	Retained Placenta	2
	Malpresentation	1	Puerperal Sepsis	1
	Prolonged Labour	1		
Trongsa	Abortions	2	Obstructed Labour	1
	Pregnancy Induced Hypertension	0	Post Partum Haemorrhage	1
	Ante-Partum Haemorrhage & Placenta Previa	0	Retained Placenta	1
	Malpresentation	0	Puerperal Sepsis	1
	Prolonged Labour	0		
Tsirang	Abortions	15	Obstructed Labour	1
	Pregnancy Induced Hypertension	5	Post Partum Haemorrhage	1
	Ante-Partum Haemorrhage & Placenta Previa	1	Retained Placenta	2
	Malpresentation	1	Puerperal Sepsis	0
	Prolonged Labour	1		
Wangdi	Abortions	4	Obstructed Labour	0
	Pregnancy Induced Hypertension	3	Post Partum Haemorrhage	2
	Ante-Partum Haemorrhage & Placenta Previa	6	Retained Placenta	3
	Malpresentation	2	Puerperal Sepsis	1
	Prolonged Labour	5		
Zhemgang	Abortions	2	Obstructed Labour	0
	Pregnancy Induced Hypertension	1	Post Partum Haemorrhage	2
	Ante-Partum Haemorrhage & Placenta	0	Retained Placenta	1

	Previa			
	Malpresentation	0	Puerperal Sepsis	0
	Prolonged Labour	0		

\*Abortions include following categories as per the BMHIS manual (2009):

Ectopic pregnancy, Hydatidiform mole, Other abnormal products of conception, Spontaneous abortion, Medical abortions, Other abortion, Unspecified abortion, Failed attempted abortions, and Complication following abortion and ectopic and molar pregnancy

#### 10. Perinatal Conditions by Dzongkhags (Oct.-Dec 2011)

Dzongkhag	Conditions	No. of patients	No. of Death
Bumthang	Low Birth Weight	1	0
	Foetal Death & Stillbirth	0	0
	Neonatal Death	1	0
	Conditions Originating in the Perinatal Period	1	0
Chukha	Low Birth Weight	0	0
	Foetal Death & Stillbirth	1	0
	Neonatal Death	2	1
	Conditions Originating in the Perinatal Period	11	0
Dagana	Low Birth Weight	0	0
	Foetal Death & Stillbirth	0	0
	Neonatal Death	0	0
	Conditions Originating in the Perinatal Period	0	0
Gasa	Low Birth Weight	0	0
	Foetal Death & Stillbirth	0	0
	Neonatal Death	0	0
	Conditions Originating in the Perinatal Period	0	0
Haa	Low Birth Weight	0	0
	Foetal Death & Stillbirth	0	0
	Neonatal Death	0	0
	Conditions Originating in the Perinatal Period	0	0
Lhuentse	Low Birth Weight	1	0
	Foetal Death & Stillbirth	0	1
	Neonatal Death	0	0
	Conditions Originating in the Perinatal Period	0	0
Mongar	Low Birth Weight	3	0
	Foetal Death & Stillbirth	2	0
	Neonatal Death	1	0
	Conditions Originating in the Perinatal Period	47	3
Paro	Low Birth Weight	2	0
	Foetal Death & Stillbirth	0	0
	Neonatal Death	0	0
	Conditions Originating in the Perinatal Period	19	0
Pemagatshel	Low Birth Weight	0	0
	Foetal Death & Stillbirth	0	0
	Neonatal Death	0	0
	Conditions Originating in the Perinatal Period	1	0

Punakha	Low Birth Weight	3	0
	Foetal Death & Stillbirth	2	0
	Neonatal Death	0	0
	Conditions Originating in the Perinatal Period	5	0
SamdrupJongkhar	Low Birth Weight	1	0
	Foetal Death & Stillbirth	1	0
	Neonatal Death	1	0
	Conditions Originating in the Perinatal Period	25	0
Samtse	Low Birth Weight	8	0
	Foetal Death & Stillbirth	0	0
	Neonatal Death	1	0
	Conditions Originating in the Perinatal Period	12	1
Sarpang	Low Birth Weight	9	3
	Foetal Death & Stillbirth	3	0
	Neonatal Death	0	0
	Conditions Originating in the Perinatal Period	0	0
Thimphu	Low Birth Weight	17	0
	Foetal Death & Stillbirth	0	0
	Neonatal Death	10	10
	Conditions Originating in the Perinatal Period	164	0
Trashigang	Low Birth Weight	2	0
	Foetal Death & Stillbirth	0	0
	Neonatal Death	0	0
	Conditions Originating in the Perinatal Period	16	0
Trashiyangtse	Low Birth Weight	0	0
	Foetal Death & Stillbirth	1	0
	Neonatal Death	0	0
	Conditions Originating in the Perinatal Period	0	0
Trongsa	Low Birth Weight	0	0
	Foetal Death & Stillbirth	0	0
	Neonatal Death	0	0
	Conditions Originating in the Perinatal Period	0	0
Tsirang	Low Birth Weight	0	0
	Foetal Death & Stillbirth	0	0
	Neonatal Death	0	0
	Conditions Originating in the Perinatal Period	0	0
Wangdi	Low Birth Weight	0	0
	Foetal Death & Stillbirth	0	0
	Neonatal Death	0	0
	Conditions Originating in the Perinatal Period	5	0
Zhemgang	Low Birth Weight	1	0
	Foetal Death & Stillbirth	1	0
	Neonatal Death	0	0
	Conditions Originating in the Perinatal Period	0	0

## 11. Child Clinical Attendance for Immunization and Antenatal Checkups (Oct.-Dec 2011)

Dzongkhag	Under 1		1 to 5 Years	
	New*	Old**	New*	Old**
Bumthang	86	717	0	933
Chukha	326	3114	0	2595
Dagana	93	861	24	1122
Gasa	19	73	18	65
Haa	53	384	1	396
Lhuentse	54	635	0	490
Mongar	331	1864	0	2448
Paro	152	1582	0	1613
Pemagatshel	89	870	6	1344
Punakha	153	754	0	530
SamdrupJongkhar	201	1185	0	1528
Samtse	250	2124	0	2507
Sarpang	261	1508	17	1659
Thimphu	1030	5528	69	3977
Trashigang	201	1828	19	1836
TrashiYangtse	58	836	0	996
Trongsa	41	509	2	660
Tsirang	92	823	7	938
Wangdi	160	1708	1	1434
Zhemgang	62	812	2	903
Total	3712	27715	166	27974

\* New = No. of children attending clinics for the first time

\*\*Old= second and the subsequent attendance by the same child

## 12. Nutritional status of the children who have attended clinics (Oct-Dec 2011)

Dzongkhag	Over Weight	Normal	Malnutrition	Severe Malnutrition
Bumthang	26	1688	17	2
Chukha	104	5768	129	19
Dagana	35	1928	101	20
Gasa	2	141	5	0
Haa	14	803	14	0
Lhuentse	46	1082	39	2
Mongar	84	4437	96	11
Paro	93	3137	108	9
Pemagatshel	37	2061	193	5
Punakha	40	1375	21	1
SamdrupJongkhar	48	2728	122	18
Samtse	66	4566	230	19
Sarpang	42	3254	133	16
Thimphu	162	10042	294	46
Trashigang	157	3534	178	15
TrashiYangtse	25	1756	95	14
Trongsa	35	1149	27	1
Tsirang	55	1707	95	3
Wangdi	107	3171	73	9
Zhemgang	52	1628	66	7
Total	1230	55955	2036	217

## 13. Number of new diabetes cases and related deaths by Dzongkhags (Oct.-Dec 2011)

Dzongkhag	Cases	Death
Bumthang	1	1
Chukha	151	0
Dagana	56	0
Haa	1	0
Lhuentse	0	0
Mongar	8	1
Paro	6	0
Pemagatshel	7	0
Punakha	1	0
SamdrupJongkhar	16	1
Samtse	12	0
Sarpang	303	0
Thimphu	385	5
Trashigang	177	0
TrashiYangtse	2	0
Trongsa	2	0
Tsirang	2	0
Wangdi	32	0
Zhemgang	2	0
Total	1164	8

A total of 1164 new cases of diabetes were diagnosed in the fourth quarter of 2011.

Note: some old cases might have been reported as new by the health facilities especially when patients do not produce old prescriptions (the patients hand book) nor declare their status in their subsequent visits to the health facilities.

## 14. Laboratory Report for Tuberculosis (Oct.-Dec 2011)

Gender	No. sputum examined (A)	No. of people with sputum smear +ve (B)	% smear +ve
Male	792	58	7.32
Female	675	49	7.26
Total	1467	107	7.29

## 15. New and re-treatment cases of TB (Oct.-Dec 2011)

Gender	Pulmonary positive				Pulmonary negative	Extra Pulmonary	Total	Case finding indicators A/(A+E+F) *100
	New (A)	Relapse (B)	Failure (C)	Default (D)	New (E)	New (F)		
Male	50	8	0	0	22	49	129	41.32
Female	44	4	1	0	22	55	126	36.36
Total	94	12	1	0	44	104	255	38.84

## 16. New and re-treatment cases of TB (excluding HIV/AIDS) for the fourth quarter of 2011

Dzongkhag	Infection type	Cases detected
Bumthang	Genital Ulcer/Bubo	0
	Urethral/Vaginal Discharges	16
	Other Sexually Transmitted Disease,	3
Chukha	Genital Ulcer/Bubo	2
	Urethral/Vaginal Discharges	52
	Other Sexually Transmitted Disease	20
Dagana	Genital Ulcer/Bubo	0
	Urethral/Vaginal Discharges	10
	Other Sexually Transmitted Disease	2
Gasa	Genital Ulcer/Bubo	0
	Urethral/Vaginal Discharges	1
	Other Sexually Transmitted Disease	0
Haa	Genital Ulcer/Bubo	10
	Urethral/Vaginal Discharges	4
	Other Sexually Transmitted Disease	0
Lhuentse	Genital Ulcer/Bubo	0
	Urethral/Vaginal Discharges	5
	Other Sexually Transmitted Disease	3
Mongar	Genital Ulcer/Bubo	3
	Urethral/Vaginal Discharges	20
	Other Sexually Transmitted Disease	8
Paro	Genital Ulcer/Bubo	0
	Urethral/Vaginal Discharges	96
	Other Sexually Transmitted Disease	3
Pemagatshel	Genital Ulcer/Bubo	1
	Urethral/Vaginal Discharges	9
	Other Sexually Transmitted Disease	4

Punakha	Genital Ulcer/Bubo	0
	Urethral/Vaginal Discharges	35
	Other Sexually Transmitted Disease	27
SamdrupJongkhar	Genital Ulcer/Bubo	1
	Urethral/Vaginal Discharges	10
	Other Sexually Transmitted Disease	10
Samtse	Genital Ulcer/Bubo	0
	Urethral/Vaginal Discharges	1
	Other Sexually Transmitted Disease	3
Sarpang	Genital Ulcer/Bubo	0
	Urethral/Vaginal Discharges	39
	Other Sexually Transmitted Disease	13
Thimphu	Genital Ulcer/Bubo	3
	Urethral/Vaginal Discharges	49
	Other Sexually Transmitted Disease	8
Trashigang	Genital Ulcer/Bubo	27
	Urethral/Vaginal Discharges	61
	Other Sexually Transmitted Disease,	68
Trashiyangtse	Genital Ulcer/Bubo	1
	Urethral/Vaginal Discharges	9
	Other Sexually Transmitted Disease,	2
Trongsa	Genital Ulcer/Bubo	4
	Urethral/Vaginal Discharges	6
	Other Sexually Transmitted Disease	3
Tsirang	Genital Ulcer/Bubo	0
	Urethral/Vaginal Discharges	0
	Other Sexually Transmitted Disease,	3
Wangdi	Genital Ulcer/Bubo	4
	Urethral/Vaginal Discharges	23
	Other Sexually Transmitted Disease	6
Zhemgang	Genital Ulcer/Bubo	3
	Urethral/Vaginal Discharges	20
	Other Sexually Transmitted Disease	2
Total		713

## 17. Number of cases and death due to malaria (Oct.-Dec 2011)

Dzongkhag	Disease	Cases	Death
Bumthang	Plasmodium falciparum malaria	0	0
	Other Malaria	0	0
Chukha	Plasmodium falciparum malaria	3	0
	Other Malaria	1	0
Dagana	Plasmodium falciparum malaria	1	0
	Other Malaria	2	0
Gasa	Plasmodium falciparum malaria	0	0
	Other Malaria	0	0
Haa	Plasmodium falciparum malaria	0	0
	Other Malaria	0	0
Lhuentse	Plasmodium falciparum malaria	0	0
	Other Malaria	0	0



Mongar	Plasmodium falciparum malaria	0	0
	Other Malaria	3	0
Paro	Plasmodium falciparum malaria	2	0
	Other Malaria	2	0
Pemagatshel	Plasmodium falciparum malaria	1	0
	Other Malaria	1	0
Punakha	Plasmodium falciparum malaria	0	0
	Other Malaria	0	0
SamdrupJongkhar	Plasmodium falciparum malaria	3	0
	Other Malaria	3	0
Samtse	Plasmodium falciparum malaria	15	0
	Other Malaria	4	0
Sarpang	Plasmodium falciparum malaria	40	1
	Other Malaria	18	1
Thimphu	Plasmodium falciparum malaria	3	0
	Other Malaria	2	0
Trashigang	Plasmodium falciparum malaria	2	0
	Other Malaria	0	0
TrashiYangtse	Plasmodium falciparum malaria	0	0
	Other Malaria	0	0
Trongsa	Plasmodium falciparum malaria	0	0
	Other Malaria	0	0
Tsirang	Plasmodium falciparum malaria	0	0
	Other Malaria	0	0
Wangdi	Plasmodium falciparum malaria	0	0
	Other Malaria	0	0
Zhemgang	Plasmodium falciparum malaria	0	0
	Other Malaria	0	0
Total		106	2

#### 18. Diseases of Circulatory System: Number of cases and death (Oct.-Dec 2011)

Dzongkhag	Disease	Cases	Death
Bumthang	Rheumatic Heart Disease	0	0
	Hypertension	23	0
	Ischaemic Heart Diseases	1	0
	Cerebro-vascular Diseases	1	1
	Other Circulatory Diseases	6	1
Chukha	Rheumatic Heart Disease	104	0
	Hypertension	1017	1
	Ischaemic Heart Diseases	5	0
	Cerebro-vascular Diseases	1	0
	Other Circulatory Diseases	116	1

Dagana	Rheumatic Heart Disease	13	0
	Hypertension	369	0
	Ischaemic Heart Diseases	3	0
	Cerebro-vascular Diseases	1	0
	Other Circulatory Diseases	25	0
Gasa	Hypertension	15	0
	Other Circulatory Diseases	68	0
Haa	Rheumatic Heart Disease	0	0
	Hypertension	34	0
	Ischaemic Heart Diseases	3	1
	Cerebro-vascular Diseases	1	0
	Other Circulatory Diseases	39	0
Lhuentse	Rheumatic Heart Disease	0	0
	Hypertension	41	0
	Ischaemic Heart Diseases	0	0
	Cerebro-vascular Diseases	1	0
	Other Circulatory Diseases	33	0
Mongar	Rheumatic Heart Disease	11	0
	Hypertension	109	2
	Ischaemic Heart Diseases	1	0
	Cerebro-vascular Diseases	0	0
	Other Circulatory Diseases	108	1
Paro	Rheumatic Heart Disease	4	0
	Hypertension	117	0
	Ischaemic Heart Diseases	2	0
	Cerebro-vascular Diseases	6	1
	Other Circulatory Diseases	18	1
Pemagatshel	Rheumatic Heart Disease	2	0
	Hypertension	362	0
	Ischaemic Heart Diseases	0	0
	Cerebro-vascular Diseases	0	0
	Other Circulatory Diseases	27	1
Punakha	Rheumatic Heart Disease	3	0
	Hypertension	132	0
	Ischaemic Heart Diseases	0	0

	Cerebro-vascular Diseases	13	2
	Other Circulatory Diseases	118	2
SamdrupJongkhar	Rheumatic Heart Disease	0	0
	Hypertension	171	0
	Ischaemic Heart Diseases	2	0
	Cerebro-vascular Diseases	3	0
	Other Circulatory Diseases	60	3
	Samtse	Rheumatic Heart Disease	3
Hypertension		587	3
Ischaemic Heart Diseases		1	0
Cerebro-vascular Diseases		8	3
Other Circulatory Diseases		46	0
Sarpang	Rheumatic Heart Disease	76	3
	Hypertension	849	0
	Ischaemic Heart Diseases	0	0
	Cerebro-vascular Diseases	7	0
	Other Circulatory Diseases	70	0
Thimphu	Rheumatic Heart Disease	36	2
	Hypertension	762	0
	Ischaemic Heart Diseases	22	2
	Cerebro-vascular Diseases	35	5
	Other Circulatory Diseases	91	6
Trashigang	Rheumatic Heart Disease	7	1
	Hypertension	494	0
	Ischaemic Heart Diseases	0	0
	Cerebro-vascular Diseases	2	0
	Other Circulatory Diseases	313	2
TrashiYangtse	Rheumatic Heart Disease	4	0
	Hypertension	90	0
	Ischaemic Heart Diseases	0	0
	Cerebro-vascular Diseases	0	0
	Other Circulatory Diseases	12	0
Trongsa	Rheumatic Heart Disease	1	0
	Hypertension	61	0
	Ischaemic Heart Diseases	0	0
	Cerebro-vascular Diseases	1	0

	Other Circulatory Diseases	48	1
Tsirang	Rheumatic Heart Disease	0	0
	Hypertension	40	0
	Ischaemic Heart Diseases	0	0
	Cerebro-vascular Diseases	9	0
	Other Circulatory Diseases	3	0
Wangdi	Rheumatic Heart Disease	12	0
	Hypertension	421	0
	Ischaemic Heart Diseases	4	0
	Cerebro-vascular Diseases	2	0
	Other Circulatory Diseases	51	1
Zhemgang	Rheumatic Heart Disease	1	0
	Hypertension	122	0
	Ischaemic Heart Diseases	0	0
	Cerebro-vascular Diseases	2	1
	Other Circulatory Diseases	18	0
Total		7500	48

#### 19. Diseases of Digestive System: Number of cases and deaths (Oct.-Dec 2011)

Dzongkhag	Disease	Cases	Death
Bumthang	Diseases of Teeth & Gums	98	0
	Dental Caries	349	0
	Peptic Ulcer Syndrome	587	0
	Acute Appendicitis	2	0
	Alcohol Liver Diseases	8	0
	Gall Bladder Diseases	1	0
	Other Diseases of the Digestive System	659	0
Chukha	Diseases of Teeth & Gums	789	0
	Dental Caries	608	0
	Peptic Ulcer Syndrome	1370	0
	Acute Appendicitis	9	0
	Alcohol Liver Diseases	24	4
	Gall Bladder Diseases	17	0
	Other Diseases of the Digestive System	1644	1
Dagana	Diseases of Teeth & Gums	85	0
	Dental Caries	447	0
	Peptic Ulcer Syndrome	1064	0
	Acute Appendicitis	2	0
	Alcohol Liver Diseases	9	0
	Gall Bladder Diseases	1	0
	Other Diseases of the Digestive System	882	0

Gasa	Diseases of Teeth & Gums	12	0
	Dental Caries	55	0
	Peptic Ulcer Syndrome	187	0
	Alcohol Liver Diseases	0	0
	Other Diseases of the Digestive System	51	0
Haa	Diseases of Teeth & Gums	16	0
	Dental Caries	318	0
	Peptic Ulcer Syndrome	145	0
	Acute Appendicitis	2	0
	Alcohol Liver Diseases	2	0
	Gall Bladder Diseases	1	0
	Other Diseases of the Digestive System	528	0
Lhuentse	Diseases of Teeth & Gums	49	0
	Dental Caries	236	0
	Peptic Ulcer Syndrome	467	0
	Acute Appendicitis	1	0
	Alcohol Liver Diseases	16	0
	Gall Bladder Diseases	2	0
	Other Diseases of the Digestive System	460	0
Mongar	Diseases of Teeth & Gums	159	
	Dental Caries	606	
	Peptic Ulcer Syndrome	678	
	Acute Appendicitis	19	
	Alcohol Liver Diseases	65	5
	Gall Bladder Diseases	12	
	Other Diseases of the Digestive System	1576	2
Paro	Diseases of Teeth & Gums	244	0
	Dental Caries	478	0
	Peptic Ulcer Syndrome	1422	0
	Acute Appendicitis	11	0
	Alcohol Liver Diseases	35	2
	Gall Bladder Diseases	4	0
	Other Diseases of the Digestive System	1752	2
Pemagatshel	Diseases of Teeth & Gums	104	0
	Dental Caries	277	0
	Peptic Ulcer Syndrome	715	0
	Acute Appendicitis	7	0
	Alcohol Liver Diseases	17	1
	Gall Bladder Diseases	0	0
	Other Diseases of the Digestive System	626	0
Punakha	Diseases of Teeth & Gums	219	0
	Dental Caries	490	0
	Peptic Ulcer Syndrome	1132	0
	Acute Appendicitis	4	0
	Alcohol Liver Diseases	14	3
	Gall Bladder Diseases	0	0
	Other Diseases of the Digestive System	792	1

amdrupJongkhar	Diseases of Teeth & Gums	174	0
	Dental Caries	422	0
	Peptic Ulcer Syndrome	839	0
	Acute Appendicitis	1	0
	Alcohol Liver Diseases	8	0
	Gall Bladder Diseases	1	0
	Other Diseases of the Digestive System	1026	0
Samtse	Diseases of Teeth & Gums	402	0
	Dental Caries	692	0
	Peptic Ulcer Syndrome	1382	0
	Acute Appendicitis	11	0
	Alcohol Liver Diseases	20	1
	Gall Bladder Diseases	12	0
	Other Diseases of the Digestive System	1422	1
Sarpang	Diseases of Teeth & Gums	444	0
	Dental Caries	2061	0
	Peptic Ulcer Syndrome	1143	0
	Acute Appendicitis	14	0
	Alcohol Liver Diseases	52	3
	Gall Bladder Diseases	14	0
	Other Diseases of the Digestive System	2286	0
Thimphu	Diseases of Teeth & Gums	701	0
	Dental Caries	474	0
	Peptic Ulcer Syndrome	1997	1
	Acute Appendicitis	57	0
	Alcohol Liver Diseases	140	27
	Gall Bladder Diseases	107	0
	Other Diseases of the Digestive System	2314	9
Trashigang	Diseases of Teeth & Gums	366	0
	Dental Caries	1040	0
	Peptic Ulcer Syndrome	1647	0
	Acute Appendicitis	10	0
	Alcohol Liver Diseases	68	1
	Gall Bladder Diseases	13	0
	Other Diseases of the Digestive System	2206	0
Trashiyangtse	Diseases of Teeth & Gums	86	0
	Dental Caries	190	0
	Peptic Ulcer Syndrome	564	0
	Acute Appendicitis	2	0
	Alcohol Liver Diseases	19	1
	Gall Bladder Diseases	0	0
	Other Diseases of the Digestive System	394	0
Trongsa	Diseases of Teeth & Gums	140	0
	Dental Caries	188	0
	Peptic Ulcer Syndrome	648	0
	Acute Appendicitis	1	0
	Alcohol Liver Diseases	10	0
	Gall Bladder Diseases	1	0
	Other Diseases of the Digestive System	498	0

Tsirang	Diseases of Teeth & Gums	74	0
	Dental Caries	345	0
	Peptic Ulcer Syndrome	569	0
	Acute Appendicitis	2	0
	Alcohol Liver Diseases	7	0
	Gall Bladder Diseases	4	0
	Other Diseases of the Digestive System	233	0
Wangdi	Diseases of Teeth & Gums	321	0
	Dental Caries	254	0
	Peptic Ulcer Syndrome	2145	0
	Acute Appendicitis	7	0
	Alcohol Liver Diseases	17	0
	Gall Bladder Diseases	6	0
	Other Diseases of the Digestive System	1114	0
Zhemgang	Diseases of Teeth & Gums	170	0
	Dental Caries	361	0
	Peptic Ulcer Syndrome	738	1
	Acute Appendicitis	2	0
	Alcohol Liver Diseases	10	0
	Gall Bladder Diseases	0	0
	Other Diseases of the Digestive System	550	0
Total		55897	66

#### 20. Mental disorder: Number of cases and death (Oct.-Dec 2011)

Dzongkhag	Types	Cases	Death
Bumthang	Psychosis	0	0
	Depression	2	0
	Anxiety	0	0
	Other Mental Disorders	0	0
Chukha	Psychosis	3	0
	Depression	11	0
	Anxiety	12	0
	Other Mental Disorders	25	0
Dagana	Psychosis	0	0
	Depression	0	0
	Anxiety	2	0
	Other Mental Disorders	5	0
Gasa	Depression	0	0
	Anxiety	0	0
	Other Mental Disorders	0	0
Haa	Psychosis	0	0
	Depression	2	0
	Anxiety	0	0
	Other Mental Disorders	2	0
Lhuentse	Psychosis	0	0
	Depression	3	0
	Anxiety	0	0
	Other Mental Disorders	3	0

Mongar	Psychosis	0	0
	Depression	0	0
	Anxiety	0	0
	Other Mental Disorders	3	0
Paro	Psychosis	0	0
	Depression	2	0
	Anxiety	20	0
	Other Mental Disorders	1	0
Pemagatshel	Psychosis	5	0
	Depression	3	0
	Anxiety	8	0
	Other Mental Disorders	7	0
Punakha	Psychosis	0	0
	Depression	6	0
	Anxiety	7	0
	Other Mental Disorders	10	0
SamdrupJongkhar	Psychosis	0	0
	Depression	0	0
	Anxiety	3	0
	Other Mental Disorders	10	0
Samtse	Psychosis	0	0
	Depression	12	0
	Anxiety	8	0
	Other Mental Disorders	17	0
Sarpang	Psychosis	4	0
	Depression	17	0
	Anxiety	11	0
	Other Mental Disorders	5	0
Thimphu	Psychosis	4	0
	Depression	22	0
	Anxiety	16	0
	Other Mental Disorders	21	0
Trashigang	Psychosis	1	0
	Depression	11	0
	Anxiety	5	0
	Other Mental Disorders	7	0
TrashiYangtse	Psychosis	1	0
	Depression	2	0
	Anxiety	0	0
	Other Mental Disorders	4	0
Trongsa	Psychosis	0	0
	Depression	3	0
	Anxiety	1	0
	Other Mental Disorders	5	0
Tsirang	Psychosis	0	0
	Depression	0	0
	Anxiety	0	0
	Other Mental Disorders	2	0



Wangdi	Psychosis	0	0
	Depression	3	0
	Anxiety	2	0
	Other Mental Disorders	5	0
Zhemgang	Psychosis	0	0
	Depression	0	0
	Anxiety	8	0
	Other Mental Disorders	1	0
Total		353	0

## 21. Immunization: Infant (0-11 months) and children (1-4 years) for the 4<sup>th</sup> quarter of 2011

Dzongkhag	OPV1	OPV2	OPV3	DPT HepB1	DPT HepB2	DPT HepB3	BCG	Polio0	MnR1	FullImm*	MnR2	DT
Bumthang	95	106	93	95	106	93	82	71	68	68	97	82
Chukha	367	355	314	367	355	314	302	290	291	270	274	233
Dagana	115	121	101	115	121	101	80	72	108	104	99	65
Gasa	13	13	9	15	13	9	8	3	7	5	8	0
Haa	55	65	56	54	65	56	33	31	48	48	40	22
Lhuentse	82	102	94	84	101	93	51	49	74	70	62	54
Mongar	225	241	228	227	240	228	312	354	173	173	212	205
Paro	166	167	165	166	165	164	145	145	173	173	171	170
Pemagatshel	110	116	92	110	115	92	79	64	80	90	124	134
Punakha	112	99	113	112	99	113	146	142	121	116	105	70
SamdrupJongkhar	182	177	162	182	176	162	203	152	171	166	189	158
Samtse	298	307	233	298	307	233	251	205	259	259	258	201
Sarpang	224	215	204	224	215	204	248	220	176	176	188	168
Thimphu	658	607	587	662	608	587	1011	989	559	555	639	544
Trashigang	227	188	205	227	188	205	201	159	180	180	204	159
Trashiyangtse	91	85	107	91	85	108	58	56	76	76	84	86
Trongsa	69	87	77	69	88	77	36	35	57	57	67	66
Tsirang	86	87	78	86	87	78	89	82	86	86	100	103
Wangdi	218	199	206	218	199	206	133	122	242	242	159	60
Zhemgang	96	79	80	96	78	80	51	41	91	86	97	78
Total	3489	3416	3204	3498	3411	3203	3519	3282	3040	3000	3177	2658

\*Fully Immunized

### 21.1. Number of vaccine doses used (Oct.-Dec 2011)

Dzongkhag	BCG	MRU	OPV	DPT Hep	DT	TT
Bumthang	582	464	797	294	232	635
Chukha	1411	1150	1629	1032	349	1461
Dagana	883	721	912	348	262	775
Gasa	90	84	128	37	1	95
Haa	600	523	491	279	90	543
Lhuentse	780	800	1040	332	350	650
Mongar	3100	1760	2150	666	740	990
Paro	1322	1110	1940	598	298	1710

Pemagatshel	945	687	840	328	454	675
Punakha	1212	841	869	350	158	559
SamdrupJongkhar	1143	829	1000	466	391	805
Samtse	1992	1362	1360	965	356	1956
Sarpang	1461	992	1352	694	410	1677
Thimphu	2295	1855	4571	1868	664	1672
Trashigang	2382	1620	1881	620	652	1320
TrashiYangtse	666	564	654	286	358	423
Trongsa	500	600	600	268	310	480
Tsirang	407	400	562	280	296	507
Wangdi	3260	1020	1179	654	245	1087
Zhemgang	652	741	737	357	368	628
Total	25683	18123	24692	10722	6984	18648

## 21.2. Number of vaccine doses discarded due to expiry date (Oct.-Dec 2011)

Dzongkhag	BCG	MR	OPV	DPTHep	DPTHep	DT	TT
Bumthang	0	0	0	0	0	40	0
Chukha	0	0	0	52	52	0	0
Dagana	0	0	0	0	0	0	0
Gasa	0	0	0	0	0	0	0
Haa	0	0	0	0	0	0	0
Lhuentse	0	0	0	0	0	0	0
Mongar	0	0	0	0	0	0	0
Paro	0	0	0	0	0	0	0
Pemagatshel	0	0	0	0	0	0	0
Punakha	0	8	15	2	2	6	0
SamdrupJongkhar	0	0	0	0	0	0	0
Samtse	19	5	0	0	0	0	0
Sarpang	0	0	0	0	0	0	0
Thimphu	0	0	0	0	0	0	0
Trashigang	27	26	70	0	0	0	0
TrashiYangtse	0	0	0	0	0	0	0
Trongsa	0	0	0	0	0	0	0
Tsirang	0	0	0	0	0	0	0
Wangdi	0	0	0	0	0	0	0
Zhemgang	0	0	0	1	1	0	0
Total	46	39	85	55	55	46	0

## 21.3. Number of doses discarded due to freezing (Oct.-Dec 2011)

Dzongkhag	BCG	MR	OPV	DPTHep	DT	TT
Bumthang	0	0	0	0	0	0
Chukha	0	0	0	0	0	0
Dagana	0	0	0	0	0	0
Gasa	0	0	0	0	0	0
Haa	0	0	0	0	0	0
Lhuentse	0	0	0	0	0	0
Mongar	0	0	0	0	0	0
Paro	0	0	0	0	0	0
Pemagatshel	0	0	0	0	0	0
Punakha	0	0	0	0	0	0
SamdrupJongkhar	0	0	0	0	0	0

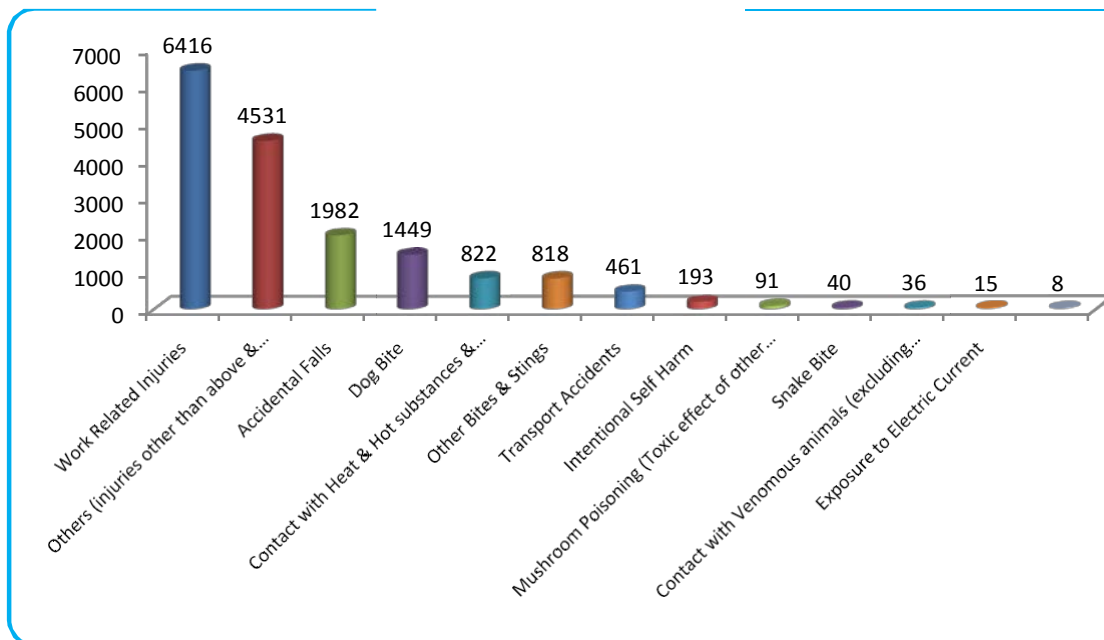
Samtse	0	0	11	0	16	0
Sarpang	0	0	110	0	0	0
Thimphu	0	0	0	0	0	0
Trashigang	0	0	0	0	0	0
Trashi Yangtse	0	0	0	0	0	0
Trongsa	0	0	0	0	0	0
Tsirang	0	0	0	0	0	0
Wangdi	0	0	0	5	10	0
Zhemgang	0	0	0	0	0	0
Total	0	0	121	5	26	0

## 22. Respiratory diseases: Number of cases and deaths by Dzongkhags (Oct.-Dec 2011)

Dzongkhag	Disease	Cases	Death
Bumthang	Common Cold	1054	0
	Acute Pharyngitis/Tonsilitis	351	0
	Pneumonia	32	0
	Other Respiratory & Nose Diseases	187	1
Chukha	Common Cold	5537	0
	Acute Pharyngitis/Tonsilitis	1422	0
	Pneumonia	159	1
	Other Respiratory & Nose Diseases	1209	5
Dagana	Common Cold	2928	0
	Acute Pharyngitis/Tonsilitis	521	0
	Pneumonia	117	3
	Other Respiratory & Nose Diseases	342	3
Gasa	Common Cold	261	0
	Acute Pharyngitis/Tonsilitis	7	0
	Pneumonia	2	0
	Other Respiratory & Nose Diseases	33	0
Haa	Common Cold	982	0
	Acute Pharyngitis/Tonsilitis	142	0
	Pneumonia	19	0
	Other Respiratory & Nose Diseases	116	0
Lhuentse	Common Cold	1419	0
	Acute Pharyngitis/Tonsilitis	389	0
	Pneumonia	14	0
	Other Respiratory & Nose Diseases	141	0
Mongar	Common Cold	3116	0
	Acute Pharyngitis/Tonsilitis	465	0
	Pneumonia	261	1
	Other Respiratory & Nose Diseases	779	0

Paro	Common Cold	2323	0
	Acute Pharyngitis/Tonsilitis	900	0
	Pneumonia	182	0
	Other Respiratory & Nose Diseases	711	4
Pemagatshel	Common Cold	2113	0
	Acute Pharyngitis/Tonsilitis	278	0
	Pneumonia	105	0
	Other Respiratory & Nose Diseases	142	0
Punakha	Common Cold	2914	0
	Acute Pharyngitis/Tonsilitis	884	0
	Pneumonia	116	0
	Other Respiratory & Nose Diseases	593	1
SamdrupJongkhar	Common Cold	3304	0
	Acute Pharyngitis/Tonsilitis	678	0
	Pneumonia	162	0
	Other Respiratory & Nose Diseases	523	0
Samtse	Common Cold	4923	0
	Acute Pharyngitis/Tonsilitis	1498	0
	Pneumonia	232	1
	Other Respiratory & Nose Diseases	1197	1
Sarpang	Common Cold	4699	0
	Acute Pharyngitis/Tonsilitis	1374	0
	Pneumonia	242	2
	Other Respiratory & Nose Diseases	1092	6
Thimphu	Common Cold	5346	0
	Acute Pharyngitis/Tonsilitis	900	0
	Pneumonia	192	7
	Other Respiratory & Nose Diseases	1150	4
Trashigang	Common Cold	5733	0
	Acute Pharyngitis/Tonsilitis	1051	0
	Pneumonia	135	3
	Other Respiratory & Nose Diseases	1123	1
Trashiyangtse	Common Cold	1272	0
	Acute Pharyngitis/Tonsilitis	388	0
	Pneumonia	58	0
	Other Respiratory & Nose Diseases	288	0
Trongsa	Common Cold	1440	0
	Acute Pharyngitis/Tonsilitis	289	0
	Pneumonia	28	0
	Other Respiratory & Nose Diseases	221	0
Tsirang	Common Cold	1585	0
	Acute Pharyngitis/Tonsilitis	603	0
	Pneumonia	59	0
	Other Respiratory & Nose Diseases	144	2
Wangdi	Common Cold	4658	0
	Acute Pharyngitis/Tonsilitis	1112	0
	Pneumonia	212	0
	Other Respiratory & Nose Diseases	461	0
Zhemgang	Common Cold	1662	0
	Acute Pharyngitis/Tonsilitis	458	0
	Pneumonia	105	0
	Other Respiratory & Nose Diseases	374	1
Total		84237	47

Figure: Injury and Trauma (Oct.-Dec 2011)

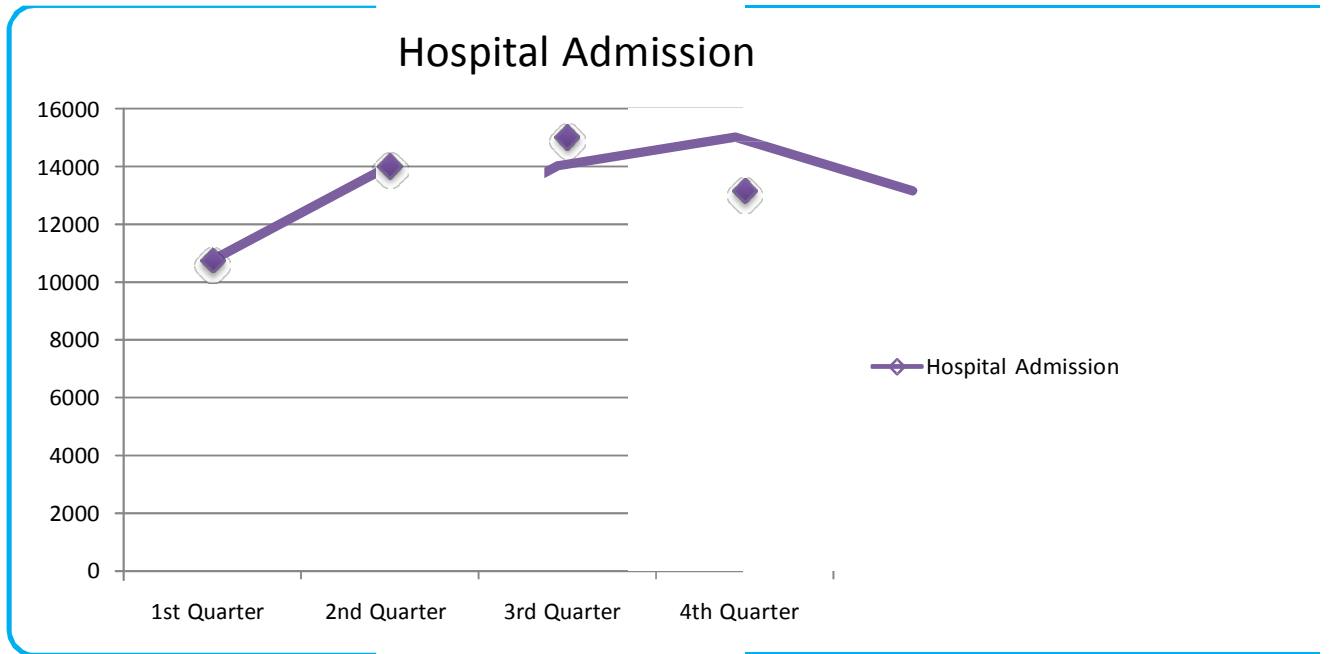


It is important to note that there were 1449 cases of dog bite cases reported to health facilities in the 4<sup>th</sup> quarter alone. However, no deaths from dog bite have been reported

23. Total number of admitted patients (Oct.-Dec 2011)

Dzongkhag	Total Admission	Patient Days	Average Patient Days
Bumthang	195	784	4.0
Chukha	1155	4361	3.8
Dagana	171	573	3.4
Gasa	0	0	0.0
Haa	93	343	3.7
Lhuentse	141	560	4.0
Mongar	1107	6391	5.8
Paro	663	1905	2.9
Pemagatshel	348	1108	3.2
Punakha	540	1302	2.4
SamdrupJongkhar	860	3938	4.6
Samtse	808	3589	4.4
Sarpang	1057	4043	3.8
Thimphu	3925	24529	6.2
Trashigang	736	3422	4.6
TrashiYangtse	194	879	4.5
Trongsa	193	539	2.8
Tsirang	300	1101	3.7
Wangdi	354	1505	4.3
Zhemgang	311	1224	3.9
Total	13151	62096	4.7

Figure 24a: Trend of total hospital admission by quarters (Jan-Dec 2011)



The number of hospital admission steadily increased till 3<sup>rd</sup> quarter and it dropped in the 4<sup>th</sup> quarter.

#### 24. Number of non-Bhutanese seeking Health care services by agencies (Oct.-Dec 2011)

Dzongkhag	Government Sector	IMTRAT/DANTAK/GREF	Private Companies
Bumthang	0	0	132
Chukha	53	896	344
Dagana	1	0	268
Gasa	0	0	0
Haa	0	53	0
Lhuentse	0	3	126
Mongar	19	0	274
Paro	9	116	290
Pemagatshel	14	37	172
Punakha	9	0	133
SamdrupJongkhar	18	145	194
Samtse	11	43	168
Sarpang	34	88	639
Thimphu	21	62	189
Trashigang	21	198	100
TrashiYangtse	2	0	45
Trongsa	2	0	198
Tsirang	0	0	0
Wangdi	20	0	994
Zhemgang	5	0	279
Total	239	1641	4545

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Health Research and Epidemiology Unit would like to solicit reviews and feedbacks for the betterment of the publication. Suggestions, views and constructive criticism are always welcome.

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