



# National Health Survey 2012

## SUMMARY OF FINDINGS HANDBOOK



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## 1. DEMOGRAPHIC CHARACTERISTICS

<b>Population enumerated</b>	<b><i>n (%)</i></b>
Male	29,159 (49)
Female	30,362 (51)
Both Sex	59,521 (100)

<b>Household population by age-group</b>	<b><i>n (%)</i></b>
<15 years	18168 (30.5)
15-64 years	37320 (62.7)
65+ years	4012 (6.7)

<b>Household population by residence</b>	<b><i>n (%)</i></b>
Rural	45140 (76)
Urban	14381 (24)
Total	59521 (100)

<b>Sex ratio</b>	<b><i>males per 100 females</i></b>
Sex ratio of the population	96
Sex ratio at birth	104

<b>Other indicators</b>	<b><i>Unit of measure</i></b>	<b><i>Value</i></b>
Median age of population	<i>years</i>	24.0
Ageing index	<i>index</i>	22.1
Average household size	<i>persons</i>	4.4

<b>Household composition and characteristics</b>	<b><i>n (%)</i></b>
Total households interviewed	13256 (100)
Male headed households	8644 (65)
Female headed households	4612 (35)

## 2. HOUSING CHARACTERISTICS

<b>Source of drinking water, sanitation &amp; waste disposal</b>	<b>%</b>
% of population with access to improved drinking water source	97.7
% of population with access to improved sanitation facility (includes shared facilities)	66.3
Households disposing off their household wastes using public garbage collection system	22.4

## 3. UTILIZATION & ACCESS TO HEALTH CARE

<b>Utilization of health services</b>	<b>%</b>
Percentage of population who fell ill in the past 30 days before the survey and who first sought assistance from health care professionals	81.5
Percentage of population aged 10-75 years who are aware of Health Help Center	62.5
Percentage of population aged 10-75 years who are aware of HHC and who used it for health reasons in the past year	6.9
Percentage of households in areas where there are VHWs and whose members reported meeting a VHW at least once for health reasons in the past year	55.0

<b>Satisfaction with health services</b>	<b>%</b>
Percentage of population aged 75 years who visited a health facility in the past year	62.5
Percentage of population aged 10-75 years who visited a health facility in the past year and who were generally satisfied with services received	92.1
Percentage of population aged 10-75 years who visited a health facility in the past year and who were generally dissatisfied with services received	6.8

#### 4. FERTILITY

<b>Fertility indicators</b>	<b>Unit of measure</b>	<b>Value</b>
Total fertility rate (TFR)	<i>children per woman</i>	2.3
General fertility rate (GFR)	<i>births per 1000 women 15-49 years</i>	72.0
Crude birth rate (CBR)	<i>births per 1000 population</i>	17.9
Adolescent birth/ fertility rate	<i>births per 1000 women aged 15-19 years</i>	28.4
Crude rate of natural increase (CRNI)	<i>percent</i>	1.2
Mean number of children ever born for ever married women aged 15-49 years	<i>children</i>	2.7
Mean number of children still surviving for ever married women aged 15-49 years	<i>children</i>	2.5
Mean age at menarche for all women aged 10-49 years	<i>years</i>	14.3
Mean age at first pregnancy for women aged 15-49 years	<i>years</i>	20.2

#### 5. REPRODUCTIVE HEALTH

<b>Reproductive Health (RH) indicators</b>	<b>%</b>
Antenatal care coverage at least one visit (ANC 1+)	97.9
Antenatal care coverage at least four visits (ANC 4+)	81.7
Antenatal care coverage at least 8 visits	26.1
Percentage of women aged 15-49 years who received postnatal care for their most recent birth in the past 2 years before the survey	74.6

Percentage of women aged 15-49 years who were informed about the danger signs of pregnancy during antenatal visits for their most recent birth in the past 2 years before the survey	46.2
Percentage of women aged 15-49 years who knew at least one contraceptive method that could prevent or delay pregnancy	96.3
Prevalence of colostrum feeding among women aged 15-49 years who received post-natal care for their most recent birth in the past 2 years preceding the survey	87.5
Percentage of women aged 20-59 years who are aware of breast cancer	66.0
Percentage of women aged 20-59 years who are aware of Pap smear test	74.6

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## 6. IMMUNIZATION

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<b>Child Immunization (children 12-23 months) indicators</b>	<b>%</b>
Crude child immunization coverage (card+history)	95.1
Proportion of 1 year-old children immunized against measles (MR1)	97.2
BCG	100
DTP-HepB1	99.6
DTP-HepB2	99.1
DTP-HepB3	98.7
OPV0	96.3
OPV1	99.2
OPV2	99.0
OPV3	97.4

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<b>Tetanus Toxoid Immunization indicators</b>	<b>%</b>
Crude maternal TT1 coverage (by card)	97.9
Crude maternal TT2 coverage (by card)	93.1
Crude maternal TT2 coverage (card+history)	89.5

<b>HPV Vaccination (Girls who turned 13 years as of 1<sup>st</sup> Jan 2013) indicators</b>	<b>%</b>
Crude HPV vaccination coverage (card+history)	73.3
Crude HPV vaccination coverage (by card only)	90.5

## **7. MORBIDITY, INJURY, DISABILITY/ IMPAIRMENT**

<b>Morbidity, Injury &amp; Disability indicators</b>	<b>%</b>
Prevalence of injury	1.2
Percentage of injured population due to vehicular accident	14.6
Percentage of injured population as a result of non-vehicular accidents	85.4
Prevalence of self-reported visual impairment	2.5
Prevalence of self-reported hearing impairment	2.9
Prevalence of self-reported speech impairment	1.2
Prevalence of self-reported mobility impairment	1.3
Prevalence of self-reported remembering/ concentrating impairment	0.7
Prevalence of self-reported self-care activities impairment	0.9

## 8. MORTALITY

<b>Mortality indicators</b>	<b>Unit of measure</b>	<b>Value</b>
Crude death rate (CDR)	<i>deaths per 1000 population</i>	6.2
Neonatal mortality rate (NMR)	<i>deaths per 1000 live births</i>	21.0
Infant mortality rate (IMR)	<i>deaths per 1000 live births</i>	30.0
Under-five mortality rate (U5MR)	<i>deaths per 1000 live births</i>	37.3
Maternal mortality ratio (MMR)	<i>deaths per 100,000 live births</i>	86.0

## 9. KNOWLEDGE, AWARENESS & HEALTH RISK BEHAVIORS

<b>HIV/ AIDS indicators</b>	<b>%</b>
Percentage of population aged 15-24 years with comprehensive correct knowledge of HIV/ AIDS	23.2
Percentage of population aged 10-75 years with comprehensive correct knowledge of HIV/ AIDS	16.8
Percentage of population aged 15-49 years aware of all three means of mother to child transmission of HIV/ AIDS	46.9

<b>Tobacco &amp; Smokeless tobacco use indicators</b>	<b>%</b>
Percentage of population aged 15-75 years who currently smoke tobacco	4.0
Percentage of population aged 10-75 years who currently smoke tobacco	3.5
Percentage of current smokers aged 10-75 years who smoke on a daily basis	53.0



Percentage of population aged 15-75 years who use smokeless tobacco	47.9
Percentage of population aged 15-75 years who eat doma/ betel quid	43.9
Percentage of population aged 15-75 years who use chewing tobacco	7.9
Percentage of population aged 15-75 years who use snuff (by nose)	0.2

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### **Alcohol use indicators**

**%**

Percentage of population aged 15-75 years who currently use alcohol	28.1
Percentage of current alcohol users aged 10-75 years whose main source of alcohol is locally brewed	56.0
Percentage of population aged 10-75 years who drank alcohol in the past 12 months	28.5
Percentage of population aged 10-75 years who drank alcohol in the past 12 months on a daily basis	24.0

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### **Dietary indicators**

**days/  
%**

Mean number of days of fruit consumption among 10-75 years who normally eat fruits	3.4
Mean number of days of vegetable consumption among 10-75 years who normally eat vegetables	4.8
Percentage of population aged 10-75 years who normally eat fruits and who eat 4 or less servings per day	90.5
Percentage of population aged 10-75 years who normally eat vegetables and who eat 4 or less servings per day	96.0

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<b>Physical activity indicators</b>	<b>days/ hours/ %</b>
Average number of days spent doing recreational/ sport/ fitness activities in a normal week among those who do sports/ recreational/ fitness activities	3.0
Average number of hours spent doing recreational/ sport/ fitness activities on a typical day among those who do sports/ recreational/ fitness activities	1.6
Average number of hours spent on a typical day by those who walk/ bicycle to get to and from places	1.3
Percentage of population aged 10-75 years who do sports/fitness/recreational activities that cause an increase of breathing or heart rate for at least 10 minutes continuously	25.5
Percentage of population aged 10-75 years who walk/ bicycle continuously for at least 10 minutes in a typical day to get to and from places	71.6
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<b>Diabetes &amp; Hypertension indicators</b>	<b>%</b>
Prevalence of self-reported diabetes among population aged 15-75 years	1.4
Percentage of population aged 10-75 years who are aware of diabetes	81.3
Prevalence of self-reported hypertension among population aged 15-75 years	16.0
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<b>Oral health indicators</b>	<b>%</b>
Percentage of population aged 10-75 years who brushed their teeth regularly at least once a day	84.4
Percentage of population aged 10-75 years who never received dental care	66.2

<b>Drug use/ substance abuse indicators</b>	<b>%</b>
Percentage of population aged 15-75 years who ever used drugs/ substance to get high	2.1
Percentage of population aged 10-75 years who ever used drugs/ substance to get high	1.8

## **10. VIOLENCE AGAINST WOMEN**

<b>Intimate partner violence (past 1 year preceding the survey) indicators</b>	<b>%</b>
Percentage of currently married women aged 15-75 years who experienced physical violence by their intimate partner	6.1
Percentage of currently married women aged 15-75 years who experienced sexual violence by their intimate partner	2.1
Percentage of currently married women aged 15-75 years who experienced psychological violence by their intimate partner	3.2

<b>Non-partner violence (in their life-time) indicators</b>	<b>%</b>
Percentage of women aged 10-75 years who experienced non-partner physical violence	6.3
Percentage of women aged 10-75 years who experienced non-partner sexual violence	0.9
Percentage of women aged 10-75 years who experienced non-partner psychological violence	3.5

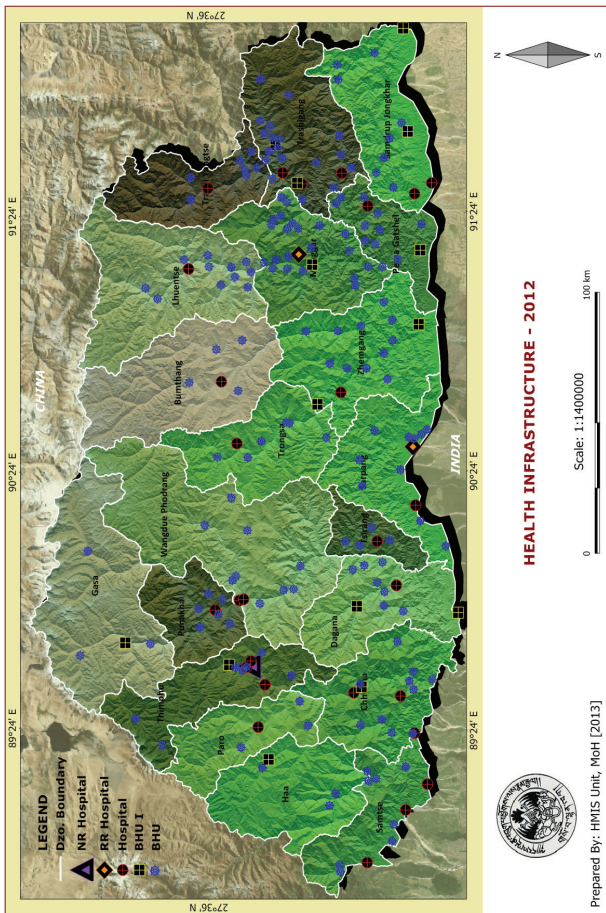
## ANNEXURE-I: STATUS OF HEALTH RELATED MILLENNIUM DEVELOPMENT GOALS

MDG Target #	MDG Indicators	Year					Source
		1994	2000	2005	2010	2012	
1.C	1.8 Prevalence of underweight children under-five years of age (%)	38.0	19.0	-	12.7	-	Country MDG Report & BMIS 2010.
	1.9 Proportion of population below minimum level of dietary energy consumption (%)	-	-	3.8	5.9	2.8	Country MDG Report & Bhutan Poverty Analysis Report 2012.
4.A	4.1 Under-five mortality rate (deaths per 1000 live births)	97.0	84.0	61.5	69.0	37.3	NHS 1994, NHS 2000, PHCB 2005, BMIS 2010 & NHS 2012.
	4.2 Infant mortality rate (deaths per 1000 live births)	70.7	60.5	40.1	47.0	30.0	NHS 1994, NHS 2000, PHCB 2005, BMIS 2010 & NHS 2012.
	4.3 Proportion of 1 year-old children immunised against measles (%)	84.0	91.0 (2002)	-	95.0	97.2	EPI survey 2008 & NHS 2012.
5.A	5.1 Maternal mortality ratio (deaths per 100,000 live births)	380	255	-	-	86.0	NHS 1994, NHS 2000 & NHS 2012.
	5.2 Proportion of births attended by skilled health personnel (%)	-	23.7	49.1	64.5	74.6	NHS 2000, PHCB 2005, BMIS 2010 & NHS 2012.

MDG Target #	MDG Indicators	Year					Source
		1994	2000	2005	2010	2012	
<b>5.B</b>	5.3	18.8	30.7	57.0	65.6	-	NHS 1994, NHS 2000, PHCB 2005, BMIS 2010.
	5.4	120	61.7	46.3	59.0	<b>28.4</b>	NHS 1994, NHS 2000, PHCB 2005, BMIS 2010 & NHS 2012.
	5.5.a	-	-	-	97.3	<b>97.9</b>	BMIS 2010 & NHS 2012.
	5.5.b	-	-	-	77.3	<b>81.7</b>	BMIS 2010 & NHS 2012.
	5.6	-	-	-	11.7	-	BMIS 2010.
	6.1	-	<b>Sustained at &lt;0.1</b>				-
<b>6.A</b>	6.2	-	-	-	1.2	-	
	6.3	-	-	-	21.0	<b>23.2</b>	BMIS 2010 & NHS 2012.
<b>6.B</b>	6.5	-	-	18.8	14.4	<b>40.2</b>	Country reported program data – HIV/AIDS Epidemic update report, NACP, DoPH, MoH

MDG Target #	MDG Indicators	Year					Source		
		1994	2000	2005	2010	2012			
6.C	6.6.a	Incidence and death rates associated with malaria (cases per 100,000)	-	927	257	77.0	6.1	Country reported program data – VDCP, DoPH, MoH & AHB 2014.	
	6.6.b	Incidence and death rates associated with malaria (deaths per 100,000)	-	2.3	0.7	0.3	0.0		
	6.8.a	Incidence, prevalence and death rates associated with tuberculosis (prevalence per 100,000)	1860	754	536	313	225		Country reported program data – NTCP, DoPH, MoH & Global Tuberculosis report.
	6.8.b	Incidence, prevalence and death rates associated with tuberculosis (deaths per 100,000)	194	73.0	53.0	15.0	14.0		
7.C	6.9.a	Tuberculosis notification rate (all new + relapse cases per 100,000)	215	202	155	183	147	Country reported program data – NTCP, DoPH, MoH & Global Tuberculosis report.	
	6.9.b	Tuberculosis treatment success rate (%)	-	90.0	91.0	90.0	90.0		
	7.8	Proportion of population using an improved drinking water source (%)	-	77.8	84.2	96.1	97.7		NHS 2000, PHCB 2005, BMIS 2010 & NHS 2012.
7.9	Proportion of population using an improved sanitation facility (%)	-	88.0*	87.3*	58.4#	66.3+			

- Indicates: Data Not Available; \* Includes Pit Latrines w/out slab; # Excludes Shared facilities; + Includes shared facilities.





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