

HEALTH
PERFORMANCE
MONITORING
INDICATORS
(HPMI)

Year
2015
Status

Health Information Unit
Management Development and Planning Unit
Ministry of Health, Nutrition and Indigenous Medicine
Sri Lanka

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Introduction

1. Health Performance Monitoring Indicators (HPMI)

Health Performance Monitoring Indicators (HPMI) are a set of selected indicators identified from programmes, campaigns, units and hospitals which used for measuring their interventions to improve quality, access and equity of health services offered by central and provincial health institutions in the country.

These selected indicators are more towards output and intermediate result measuring indicators that measure the short term performance rather than long term sustainability of the health services. Reporting of outcome/result indicators is rather heavy exercise and collection of timely information for processing outcome indicators are still not properly streamlined with the dataflow.

Therefore, HPMI is used to communicate the health sector performance with health sector government institutions in view of providing latest information for health management and decision making.

2. Trust Domains of the Health Services

The health services are identified under five main trust areas to ensure equity of health services for general public of the country. Therefore, performance measuring indicators are also identified for each trust areas to report the performance.

2.1 Curative and Preventive Care

The performance of curative and preventive care services has been measured using indicators drawn from programmes and campaigns, units and health institutions. Under this domain it will be measure the performance of Non Communicable Diseases, Communicable Diseases, Child and mother care services, immunization, elderly health care, nutrition, oral health, health education and hospital health services

2.2 Health Financial

A separate set of indicators have selected to measure the performance of health financing and fund utilization in term of efficiency and effectiveness of fund utilization.

2.3 Health Workforce

Under health workforce domain indicators has selected to measure health staff availability, skill mix, workforce, and staff capacity development.

2.4 Health Resources

The Indicators selected to measure the performance of health resources utilization by health institution, availability of resources by institution such as drugs, appliances, equipment, hospital beds, utilities, etc.

2.5 Health Management

Performance indicators selected under this trust area has used to measure the health management, policy making and planning capacity to operate the system more vibrant and effective system.

3. Curative and Preventive Care Indicator Status

3.1 Maternal and Child Health

#	Indicator Name	Definition	Base Line Figure & Year	Measure	Yearly Target and Progress			Remarks
					2014	2015	2016	
1	Infant mortality rate (IMR)	No. of infants (children under one year of age) deaths per 1000 live births registered for a given year (RGD)	9.1 (2011)	T		6.0	5.5	
				P	8.2 (2013)	8.2 (2013)		
2	Under five mortality rate	No. of deaths of under five year children deaths per 1000 live births registered for a given year (RGD)	10.9 (2011)	T		8.0	7.5	
				P	10.0 (2013)	10.0 (2013)		
3	Neonatal Mortality rate (NMR)	No. of deaths of neonates (newborn between 1-28days) per 1000 live births registered for a given year (RGD)	6.4 (2011)	T		5.5	5.0	
				P	5.8 (2013)	5.8 (2013)		
4	Maternal mortality ratio (MMR)	No. of confirmed maternal deaths per 100,000 live births registered (at RGD) for a given year	32.5 (2010)	T		23.0	22.0	
				P	32.0	32.0 (2014)		
5	Prevalence of anemia among pregnant mothers	No. of pregnant women reported of having Hb < 11g/dl at 2 nd trimester out of 100 pregnant mothers registered	16.7 (2010) MRI	T		16.0	15.0	
				P	17.0	21.4		

#	Indicator Name	Definition	Base line Figure & Year	Measure	Yearly Target and Progress			Remarks
					2014	2015	2016	
6	% of pregnant women with low BMI (<18.5 kg before 12 weeks of gestation	No. of pregnant mothers measured to be having low Body Mass Index (BMI<18.5 kg) among 100 mothers whose BMI was measured before 12 weeks of gestation	24.6 (2011)	T		23.5	22.0	
7	Pap smear screening coverage among women in 35 year age cohort	No. of women in 35 year age cohort who have undergone cervical cancer screening with Pap testing for 100 estimated women in 35 year age cohort	25.5 (2011)	T		50.0	60.0	
8	% of teenage pregnancies	No. of teenage pregnancies per 100 pregnancies registered for that particular year	6.1 (2011)	T		5.0	<5.0	
9	Antenatal care coverage (at least one clinic visit)	No. of pregnant mothers received at least one clinic visit among 100 pregnant mothers registered	95.9 (2011)	T	100.0	100.0	100.0	
10	% of pregnant women attending clinic (field or government institutional) at least four times during pregnancy	No. of pregnant women attending clinics (field or government institutional) at least four times during pregnancy for 100 pregnant mothers registered with PHM	NA	T		94.0	95.0	
				P	24.3	20.2		
				P	34.6	41.8		
				P	4.9	5.2		
				P	95.5	94.6		
				P	92.5	94.2		

#	Indicator Name	Definition	Base line Figure & Year	Measure	Yearly Target and Progress			Remarks
					2014	2015	2016	
11	Vitamin A supplementation coverage among postpartum mothers	No. of postpartum mothers received Vit A supplementation among 100 mothers whose deliveries were reported	74.1 (2011)	T		98.0	>99.0	
12	Postpartum care coverage (% of postpartum women receiving at least one home visit during first postpartum 10 days)	No. of postpartum women receiving at least one home visit by PHM during first postpartum 10 days for 100 mothers whose deliveries were reported	91.4 (2011)	T		95.0	>95.0	
13	% of mothers delivered by LSCS	No. of mothers delivered by LSCS for 100 deliveries reported by PHM	28.7 (2011)	T		27.5	27.0	
14	Percentage of mothers received skilled birth attendance at delivery	No. of deliveries attended by a skilled personnel out of 100 deliveries reported	99.9 (2011)	P	28.4	34.5		
15	Current users of modern family planning methods (% of eligible families practicing modern family planning methods)	No. of registered eligible families using modern (either temporary or permanent) family planning method among 100 eligible families under care	56.0 (2011)	T	56.5	57.0	60.0	
				P	56.2	56.6		

#	Indicator Name	Definition	Base line Figure & Year	Measure	Yearly Target and Progress			Remarks
					2014	2015	2016	
16	Contraceptive prevalence rate (% of eligible families practicing any family planning method)	No. of registered eligible families using any (either modern or traditional) family planning method among 100 eligible families under care	65.3 (2011)	T	70.0	72.0	72.0	
17	Unmet need for family planning (% of eligible families reported of having unmet need for family planning)	No. of registered eligible families who are not expecting a child in next two years but not practicing any family planning method among 100 eligible families under care	7.5 (2011)	T		7.0	6.0	
18	% of low birth-weight among new-borns	No. of newborns weighed less than 2500gm at birth for 100 live births	16.3 (2011)	T		16.0	15.0	
19	Prevalence of underweight among under five children (% of underweight children (Wt/ Age) among children under five years of age)	No. of under five children whose weight for age was less than -2SD for that of normal children among 100 under 5 children weighed	19.8 (2011)	P	16.2	11.4		
				T	15.8	15.0	14.7	
				P	16.4	15.6		

#	Indicator Name	Definition	Base line Figure & Year	Measure	Yearly Target and Progress			Remarks
					2014	2015	2016	
20	Prevalence of overweight among under five children (% of overweight children (Wt/ Age) among children under five years of age)	No. of under five children whose weight for age is more than + 2SD for that of normal children among 100 under 5 children weighed	1.6 (2006) DHS	T	<0.8	<0.8		
				P	0.6	0.6		
21	Prevalence of stunting among under five children (% of stunting (Ht/Age) among children under five years of age)	No. of under five children whose height for age was less than -2SD for that of normal children among 100 under 5 children whose length/height measured	12.8 (2011)	T	11.0	10.0	8.8	
				P	10.5	9.6		
22	Prevalence of wasting among under five children (% of wasting (Wt/Ht) among children under five years of age)	No. of under five children whose weight for height was less than -2SD for that of normal children among 100 under 5 children weight for length/height measured	15.3 (2011)	T	12.0	11.0	<10.0	
				P	12.2	12.2		
23	% of infants at 6 months supplemented with Vitamin A mega dose	No. of infants at 6 months received Vit A supplementation per 100 estimated infants who should receive it	80.5	T	84.0	87.0	90.0	
				P	71.2	71.6		
24	% of children at 3 years supplemented with Vitamin A mega dose	No. of 3 year old children received Vit A supplementation per 100 estimated children of that age who should receive it	85.5 (2011)	T	86.0	88.0	90.0	
				P	73.8	74.5		

#	Indicator Name	Definition	Base line Figure & Year	Measure	Yearly Target and Progress			Remarks
					2014	2015	2016	
25	Coverage of School Medical Inspections	No. of schools in which School Medical Inspections were carried out, out of total number of schools	94.9 (2011)	T		95.0	100.0	
26	% of health promoting school functioning	No. of health promoting schools functioning out of total number of schools	30.0 (2011)	P	92.7	96.5		
				T		50.0	65.0	
				P	43.0	68.3		

Data Source: FHB

3.2 Immunization

#	Indicator	Definition	Base Line Figure & Year	Measure	Yearly Target and Progress			Remarks
					2014	2015	2016	
Vaccine coverage among infants (all antigens-BCG, Penta1, OPV1,Penta3, OPV3,,JE,MCV1-Measles containing vaccine 1)								
27	BCG Coverage	No. immunized per 100 Live births 2014		T	100	100	100	<i>Satisfactory</i>
				P	91	92		
	PentaValant Vaccine 1st dose	No. immunized per 100 surviving infants		T	100	100	100	
				P	98	93		
	OPV 1 st dose	No. immunized per 100 surviving infants		T	100	100	100	
				P	97	93		
	PentaValant Vaccine 3rd dose	No. immunized per 100 surviving infants		T	100	100	100	
				P	99	94		
	OPV 3rd dose	No. immunized per 100 surviving infants		T	100	100	100	
				P	99	94		
Live JE Vaccine	No. immunized per 100 surviving infants		T	100	100	100		
			P	99	100			
MCV-1	No. immunized per 100 surviving infants		T	100	100	100		
			P	100	97			
28	Vaccination coverage of aTd	No. immunized per 100 school children in Grade 7		T	100	100	100	
				P	81	97		

Data Source: EPID

3.3 Tuberculosis Disease

#	Indicator Name	Definition	Base Line Figure & Year	Measure	Yearly Target and Progress			Remarks
					2014	2015	2016	
29	TB notification rate	Percentage of total number of incident(new &relapse) TB cases notified per 100,000 population	44.1 (2013)	T	Not Applicable			
				P	43.7	44.5		
30	TB case detection rate (new and re-lapse)	Percentage of total number of incident TB cases notified out of the total number of estimated incident cases of TB during the given year"	66.9% (2013)	T	66%	70%	75%	
				P	66.1%	68.4		
31	Lost to follow up rate-(all TB cases)	Percentage of TB cases registered in a specified period that interrupted treatment for more than two consecutive months	4.6% (2012)	T	<5%	<5%	<5%	Target to keep below 5% each year
				P	4.5%	4.5% (2014)		
32	TB death rate (all TB cases)	Percentage of TB cases registered in a specified period that died from any reason during the course of treatment.	5.5% (2012)	T				
				P	6.9%	6.9% (2014)		
33	TB treatment success rate	Percentage of TB cases registered in a specified period that successfully completed entire course of treatment with or without bacteriological confirmation of cure	82.9% (2012)	T	85%	86%	88%	WHO target is 85% or more
				P	83.2	83.2 (2014)		
34	% of TB patients tested for HIV per year	Percentage of TB patients screened for HIV during the given year out of all the patients registered during the same year	4,646 (2013)	T		80%	85%	National policy - All TB patients should be screened for HIV.
				P	78.2%	81.7%		
35	No Co-management of Tuberculosis and HIV Treatment		15 (2013)	T				All HIV +ve patients with active TB are treated for TB
				P	21	20		

Data Source: NPTCCD

3.4 Dengue

#	Indicator Name	Definition	Base Line Figure & Year	Measure	Yearly Target and Progress			Remarks
					2014	2015	2016	
36	Incidence rate of dengue fever cases	Dengue patients per 100,000 population	175 (2009)	T	Not Applicable			To reduce the annual reported no to less than 20,000 by 2020
				P	228.5	146.2		
37	Dengue case fatality rate	No. of death per 100 dengue patients	0.99 (2009)	T	0.21	0.20	0.15	
				P	0.20	0.20		
38	No. of institutions (2nd care) with HDU	Cumulative no of institutions where HDU for Dengue established (excluding further enhanced hospitals)	6 (2010)	T	71	80	85	Up to BH (B)
				P	57 (2013)	109		
39	No of deaths due to Dengue	No of death due to dengue		T	Not Applicable			
				P	97	53		

Data Source: NDCP

3.5 Malaria

#	Indicator Name	Definition	Base Line Figure & Year	Measure	Yearly Target and Progress			Remarks
					2014	2015	2016	
40	No. of malaria positive cases reported (indigenous cases)	No of Indigenous malaria cases confirmed by microscopy/Rapid diagnostic test (RDT)	23 (2012)	T	0	0	0	Factors affecting importation of malaria are complex and difficult to control; hence setting targets is not practical.
				P	0	0		
41	No. of imported malaria cases reported	No of malaria cases origin of which can be traced to a known malarious area outside the country	70 (2012)	T	Not applicable			
				P	49	36		
42	Malaria mortality rate	Deaths due to indigenous malaria per 1000 persons per year	0 (2012)	T	0	0	0	
				P	0	0		
43	Annual blood examination rate (ABER)	No of blood smears and rapid diagnostic tests (RDT) used for detection of malaria infection per 100 persons per year	4.7 (2012)	T	5%	5%	5%	
				P	5.2%	5.4%		

Data Source: AMC

3.6 Filariasis

#	Indicator Name	Definition	Base Line Figure & Year	Measure	Yearly Target and Progress			Remarks
					2014	2015	2016	
44	Microfilaria prevalence rate	No. of persons positive with microfilaria per 100 persons tested	0.05% (2007)	T	0.0295%	0.029%	0.0285%	Filariasis elimination level is Mf rate of <1.0%
45	No of lymphedema patients newly registered per year	Total no of first visit lymphedema patients	1,126 (2007)	P	0.05%	0.029%		Lymphoedema patients newly registered at Anti Filariasis Campaign and Regional Anti Filariasis Units
						Not applicable		
						1,027	859	

Data Source: AFC

3.7 Leprosy

#	Indicator Name	Definition	Base Line Figure & Year	Measure	Yearly Target and Progress			Remarks
					2014	2015	2016	
46	New case detection rate of Leprosy cases	New cases diagnosed during a given year and who have never been treated for leprosy per 100,000 population	9.6	T	10.50	10.30	10.10	
				P	10.50	9.54		
47	Proportion of children among new leprosy cases	The no. of newly diagnosed patients below the age of 15 divided by	9.17	T	9.50	8.70	7.90	
				P	9.50	9.6		
48	Rate of newly detected cases with grade 2 disabilities	The no. of patients newly diagnosed with grade 2 disability per 100,000 population	0.65	T	0.82	0.77	0.72	
				P	0.82	0.81		

Data Source: ALC

3.8 HIV/AIDS

#	Indicator Name	Definition	Base Line Figure & Year	Measure	Yearly Target and Progress			Remarks
					2014	2015	2016	
49	% of MSM who are living with HIV	Percentage of MSM who are living with HIV out of MSMs tested		T	0.9%	0.9% (2014)		
50	% of FSWs who are living with HIV	Percentage of FSWs who are living with HIV out of FSWs tested		T	0.8%	0.8% (2014)		
51	% of other vulnerable population (beach boys) who are living with HIV	Percentage of other vulnerable population (beach boys) who are living with HIV out of beach boys tested		T	0%	0% (2014)		
52	% of people who use/ inject drugs (PWUD/PWID) who are living with HIV	Percentage of people who use/ inject drugs (PWUD/PWID) who are living with HIV		T	0%	0% (2014)		
53	% of sex workers reporting the use of a condom with their most recent client	Percentage of sex workers reporting the use of a condom with their most recent client		T	93%	93% (2014)		
54	% of men reporting the use of a condom the last time they had anal sex with a male partner	Percentage of men reporting the use of a condom the last time they had anal sex with a male partner		T	57.9%	57.9% (2014)		
55	% of adults and children with HIV known to be on treatment 12 months after initiation of antiretroviral therapy	Percentage of adults and children with HIV known to be on treatment 12 months after initiation of antiretroviral therapy		T	90%	90% (2014)		

#	Indicator Name	Definition	Base Line Figure & Year	Measure	Yearly Target and Progress			Remarks
					2014	2015	2016	
56	% of MSM that have received an HIV test during the reporting period and know their results (community-based rapid HIV testing)	Percentage of MSM that have received an HIV test during the reporting period and know their results (community-based rapid HIV testing)		T	0%	0%		
57	% of sex workers reached with HIV prevention programmes – defined package of services	Percentage of sex workers reached with HIV prevention programmes – defined package of services		T	21.1%	21.1%		
58	% of adults and children currently receiving antiretroviral therapy among all adults and children living with HIV	Percentage of adults and children currently receiving antiretroviral therapy among all adults and children living with HIV		T	19.3%	19.3%		
59	% of people living with HIV that initiated ART with CD4 count of <200 cells/mm ³	Percentage of people living with HIV that initiated ART with CD4 count of <200 cells/mm ³		T	34.9%	34.9%		
60	% of adults and children that initiated ART, with an undetectable viral load at 12 months (>1000 copies/ml)	Percentage of adults and children that initiated ART, with an undetectable viral load at 12 months (>1000 copies/ml)		T	90.9%	90.9%		
61	% of HIV-positive patients who were screened for TB in HIV care or treatment settings	Percentage of HIV-positive patients who were screened for TB in HIV care or treatment settings		T	90.7%	90.7%		

Data Source: NSACP

3.9 Rabies

#	Indicator Name	Definition	Base Line Figure & Year	Measure	Yearly Target and Progress			Remarks
					2014	2015	2016	
62	Incidence of human rabies cases reported	No of human rabies cases reported in the year per 100,00 population	0.25 (2010)	T	0.095	0.071		In the elimination phase
63	Percentage of Dog vaccination against rabies	Percentage dogs vaccinated against rabies	38.4 (2010)	T	60	60.5	64.2	
				P	54.6	48.86		
64	% of dog sterilize surgically	Percentage of dog sterilized surgically	7.2	T	17.8	20.1	22.3	6.7:1 human to dog population was considered
				P	14.5	11.04		
65	No. of dogs sterilized surgically	Number of dogs sterilized surgically	93,656	T	200,000	225,000	250,000	
				P	163,852	167,379		
66	Dog vaccination against rabies	Number of dogs vaccinated against rabies	960,392	T	1,680,000	1,690,000	1,800,000	
				P	1,533,032	1,480,668		

Data Source: PHVS

3.10 Cancer

#	Indicator Name	Definition	Base Line Figure & Year	Measure	Yearly Target and Progress			Remarks
					2014	2015	2016	
67	Incidence rate of cancer patients per 100,000 population	New cancer patients identified from all sources per 100,000 population	68.0 (2007)	T	Not applicable			Data entering and analysis to be completed for years 2010 to 2013 Year 2014 data collection in progress
68	No. of cancer patients registered at the cancer treatment centers	Total no. of new cancer patients registered at the nine government cancer treatment centers	19,309 (2008)	T	Not Applicable			
69	Proportion of breast cancers detected at an early stage (Stage 1 & 2) out of all breast cancers which were staged	Proportion of breast cancer detected at early stage (stage 1&2) out of all breast cancer patients staged	75% (2007) % staged 43%	P	26,341	28,474		
				T	75%	75%	75%	Analysis of 2010 cancer incidence data is being done currently.
70	Proportion of oral cancers detected at an early stage (Stage 1 & 2) out of all oral cancers which were staged	Proportion of oral cancer detected at early stage (stage 1&2) out of all oral cancer patients staged	28% (2007) % staged 43%	T	28%	30%	35%	Data entering and analysis to be completed for years 2011 to 2013 Year 2014 data collection in progress
				P	22.3% (2009) % staged 18%	22.3% (2009) % staged 18%		Analysis of 2010 cancer incidence data is being done currently.

#	Indicator Name	Definition	Base Line Figure & Year	Measure	Yearly Target and Progress			Remarks
					2014	2015	2016	
71	Proportion of cervical cancers detected at an early stage (Stage 1 & 2) out of all cervical cancers which were staged	Proportion of cervical cancer detected at early stage (stage 1&2) out of all cervical cancer patients staged	30% (2007) % staged 59%	T	43%	47%	50%	Data entering and analysis to be completed for years 2010 to 2013 Year 2014 data collection in progress
72	Crude mortality rate for all cancers	Total no of cancer death per 100,000 population	41.1 (2000)	T	55.2 (2009)	55.2 (2009)		Latest available data are for 2009
73	Proportion of districts with established community-based palliative care (CBPC)	No of Community-based palliative care (availability of shared care plan for cancer patients involving the cancer treatment unit, PHC team and other partners in the community) established hospital (DGH and BH) out of all 26 districts	1/26 (2014)	T	1	2	4	
74	Proportion of secondary level hospital using morphine for pain management	Proportion of secondary level hospital using morphine for pain relief out of all DGH and BH		P	1	1		
				T	32	40	50	
				P	30.92 (2014)	30.92 (2014)		

Data Source: NCCP

3.11 Mental Health

#	Indicator Name	Definition	Base Line Figure & Year	Measure	Yearly Target and Progress			Remarks
					2014	2015	2016	
75	Proportion of patients with major mental disorders (psychotic diseases, mood disorders and somatoform disorders) who are using services	An estimate number of persons with major mental disorders who are using services per every 100,000 population		T				<i>Data quality and coverage to be improved</i>
76	Proportion of districts with community based services with mental health clinics (out-reach clinic/institutional clinics) per MOH area	An estimate of districts with community based mental health services as percentage		T	70%	75%	80%	<i>Need to fill MOMH posts to increase the coverage</i>
77	Proportion of districts with at least one psychiatrist, and acute psychiatric unit	An estimate of districts with in patient mental health services as percentage		T	85%	90%	100%	<i>Mulathivu, Puttalam & Monaragala districts do not have acute psychiatric wards</i>

Data Source: Mental Health Unit, MoH

3.12 Non Communicable Diseases

#	Indicator Name	Definition	Base Line Figure & Year	Measure	Yearly Target and Progress			Remarks
					2014	2015	2016	
78	% of target Population Screened for NCD	Percentage of target Population(40-65 years) screened for NCD	6.34%	T	Not Applicable			
				P	7.22%	7.6%		
79	% of People screened having the cardiovascular risk >30	% of People screened having the cardiovascular risk >30 years	0.28%	T	Not Applicable			
				P	0.45%	0.31%		
80	% of People screened having the FBS>126 mg/dl (Diabetes Mellitus)	Percentage of People screened having the FBS>126mg/dl	4.20%	T	Not Applicable			
				P	11.9%	9.8%		
81	% of Screened population having the hypertension	Percentage of People screened having the BP>140/90	15.89%	T	Not Applicable			
				P	22%	21.9%		
82	% of Screened population having the Obesity	Percentage of People screened having the BMI>30kg/m2/dl	2.49%	T	Not Applicable			
				P	6.9%	8%		
83	% of MOH areas with two or more functioning Healthy Lifestyle Centers (HLCs)	Percentage of MOH areas with two or more functioning HLCs	43%	T	25%	50%	70%	
				P	55%	77.8%		

Data Source: NCD Unit, MoH

3.13 Oral Health

#	Indicator Name	Definition	Base Line Figure & Year	Measure	Yearly Target and Progress			Remarks
					2014	2015	2016	
	Prevalence and severity indices of common oral diseases as per school dental returns							
84	Grade 1 – Caries	% of grade 1 children with caries	65 (2002)	T	55	53	51	
				P	68	55 (2014)		
	Grade 4 – Caries	Percentage of grade 4 children with caries	59 (2013)	T	57	55	53	
				P	57	55 (2014)		
	Grade 1 (Permanent teeth) – Caries	Percentage of caries in permanent teeth in grade 1 children		T	7	5	3	2015 data not yet finalized
				P	9 (2013)	9 (2014)		
	Grade 4 (Permanent teeth) – Caries	Percentage of caries in permanent teeth in grade 4 children	19 (2013)	T	17	15	13	
				P	7	7 (2014)		
85	Grade 1 – Calculus	Percentage of grade 1 children with calculus	3 (2013)	T	2	2	0	
				P	2	2 (2014)		
	Grade 4 – Calculus	Percentage of grade 4 children with calculus	49 (2002)	T	10	5	0	
				P	12	12 (2014)		
	Grade 7 – Calculus	Percentage of grade 7 children with calculus	61 (2002)	T	17	12	7	
				P	19	19 (2014)		
	% of registered children of year 1,4 &7 screened and treated for dental care	Coverage of target group of children (year 1,4,7) screened and treated	80 (2013)	T	85	90	95	
				P	75	57 (2014)		

Data Source: Dental Unit, MoH

3.14 Hospital Services

#	Indicator Name	Definition	Base Line Figure & Year	Measures	Yearly Target & Progress			Remarks
					2014	2015	2016	
86	Average monthly OPD attendance	Average no of patients visited the OPD per month	3,857,005 (2004)	P	3,522,425	3,755,794		
87	Average monthly clinic attendance	Average no of patients attend for clinics per month	1,638,149 (2004)	P	1,679,759	1,940,197		
88	Average monthly Dental clinic (OPD) attendance	Average no of patients visited the Dental clinics per month	196,970 (2004)	P	200,212	243,196		
89	Average monthly ETU admission	Average no of patients treated at Emergency Treatment Units per month		P	106,616	126,893		
90	Average monthly ICU attendance	Average no of patients treated at Incentive care Units per month		P		3,355		
91	Average admissions per months	Average no of patients admitted to government hospital per month	555,618 (2004)	P	511,718	534,101		
92	Surgical site infection rate	Surgical site infection rate		T		<5%	<5%	
				P		1.26%		
93	No. of MRSA Bacteremia	MRSA Bacteraemia Rate per 10,000 patient days		T				
				P		0.81		

#	Indicator Name	Definition	Base Line Figure & Year	Measures	Yearly Target & Progress			Remarks
					2014	2015	2016	
94	Average Major surgeries per month	Average no of Major surgeries done per month	25,464 (2004)	P	33,070	29,689		
95	Average Minor surgeries per month	Average no of Minor surgeries done per month		P	50,534	56,673		
96	Average Cardiac surgeries per month	Average no of Cardiac surgeries done per month		P	363	374		
97	Average Thoracic surgeries per month	Average no of Thoracic surgeries done per month		P	180	135		
98	Average Neuro surgeries per month	Average no of Neuro surgeries done per month		P	772	1,013		
99	Average Dental surgeries per month	Average no of Dental surgeries done per month		P	8,416	11,656		
100	Average Endoscopes per month	Average no of Endoscopies done per month		P		7,849		
101	Average Laparoscopies per month	Average no of Laparoscopies done per month		P		1,322		
102	Average Dialysis per month	Average no of Dialysis carried out per month		P	9,754	9,799		

#	Indicator Name	Definition	Base Line Figure & Year	Measures	Yearly Target & Progress			Remarks
					2014	2015	2016	
103	Average transfers out per month due to non-availability of consultants during weekends	Average no of patients transfer to another hospital due to unavailability of consultants during the weekends		P	1,009	1,838		
104	% of deaths occurring 48hrs after admission	% of Death that occurred within 48 hours at the ward or ... death after emergency admission to hospital		P	43.16% (2012)	43.16% (2012)		
105	Average lab test done per month	Average no of lab test done in the hospital during one month period		P	2,887,547	3,857,966		
106	Average X ray test done per month	Average no of X-ray test done in the hospital during one month period	224,448 (2004)	P	262,023	292,779		
107	Average ECG done per month	Average no of ECG test done in the hospital during one month period	195,207 (2004)	P	213,216	248,376		
108	Average USS done per month	Average no of USS test done in the hospital during one month period		P	46,398	44,015		
109	Average MRI scan done per month	Average no of MRI scan done in the hospital during one month period	1,929	P	4,390	5,640		
110	Average length of stay (days)	The average length of hospitalization of patients discharged during the period under consideration	3.6 (2005)	P	2.6	2.6		

#	Indicator Name	Definition	Base Line Figure & Year	Measures	Yearly Target & Progress			Remarks
					2014	2015	2016	
111	Average waiting time for OPD treatment in the hospital (DGH and above)	Length of time (minutes) from the patient entered the outpatient clinic to the time the patient actually leaves the OPD		T	42	40	38	
112	Average waiting time for OPD treatment in the hospital (BH and below)	Length of time (minutes) from the patient entered the outpatient clinic to the time the patient actually leaves the OPD		T		17.8	17.5	
113	Waiting time for heart surgeries	The time (months) patients spend on the heart surgeries waiting list		T	5	4	3	
114	Waiting time for renal transplant	The time (months) patients spend on the renal transplant waiting list		T	3	2	1	
115	% of patients visited the OPD more than once within three month for same illness	% of patients visited the OPD more than ones within three months for the same illness		P		1%		
116	% of In patients who were discharged against medical advice	Percentage of patients who were discharged against medical advice out of all admissions		P		2%		
117	Average no of incidents reported per month	Average no of event or circumstance resulting from health care which could have, or did lead to unintended harm to a person, loss or damage, and/or a complaint. Reported per month		P		402		

Data Source: MSU, RDHS, LMH, MDPU

4. Health Financial Indicator Status

#	Indicator Name	Definition	Base Line Figure & Year	Measures	Target			Remarks
					2014	2015	2016	
1	Health expenditure as a % GDP	Total health expenditure as percentage of Gross Domestic Product (GDP)		T		1.5	1.6	
				P	1.4			
2	Health expenditure as a % of total government budget	Total health expenditure as a percentage of total government budget		T		4.4	4.5	
				P	4.3			
3	Health expenditure as a % of health budget allocation	Total health expenditure as a percentage of health budget allocation		T		100	100	
				P	95.4	87.9		
4	% of Recurrent expenditure	Total health recurrent expenditure as a percentage total health expenditure		T				
				P	80.7	77.4		
5	% of Capital expenditure	Total health capital expenditure as a percentage of total health expenditure		T				
				P	19.3	22.6		
6	Outpatient expenditure per patient per day	Outpatient expenditure per patient (Rs.)		T				
				P	10.9 (2013)	10.9 (2013)		
7	% of Personal Emoluments expenditure	Personal emolument (salaries, wages, ect.) expenditure as a percentage of total health budget allocation		T		33.1		
				P	36.2	37.8		

	Indicator Name	Definition	Base Line Figure & Year	Measures	Target			Remarks
					2014	2015	2016	
8	% of Pharmaceuticals expenditure	Pharmaceuticals expenditure as a percentage of total health budget allocation		T		28.6		
9	% of Health promotion and disease prevention expenditure	Health promotion and disease prevention expenditure as a percentage of total health budget allocation		T		2.1		
10	% of Control of communication and Non Communication Diseases expenditure	Control of communication and Non Communication Diseases expenditure as a percentage of total health budget allocation		T		1.7		
11	% of Hospital Development Projects expenditure	Hospital Development Projects expenditure as a percentage of total health budget allocation		T		22.8		
12	% of Human Resources Development expenditure	Human resources development expenditure as a percentage of total health budget allocation		T		6.2	6.3	
13	% of Acquisition, Rehabilitation and Improvement of capital assets expenditure	Acquisition, Rehabilitation and Improvement of capital assets expenditure as a % of health allocation		T		20.0		
				P	29.6	21.4		
				P	1.5	1.3		
				P	1.2	1.1		
				P	15.5	13.8		
				P	5.7	5.8		
				P	15.9	15.6		

	Indicator Name	Definition	Base Line Figure & Year	Measures	Target			Remarks
					2014	2015	2016	
14	% of Nutrition Programme expenditure	Nutrition programme expenditure as a percentage of total health budget allocation		T		2.0		
				P	1.6	1.5		
15	% of Medical Research expenditure	Medical research expenditure as a percentage of total health budget allocation		T		0.32	0.35	
				P	0.29	0.31		

Data Source: Annual Report –Central Bank, Finance Division, MSU, MDPU- MoH,

*Only Line Ministry expenditures included except in number 01, 02 & 06

5. Health Workforce Indicator Status

#	Indicator Name	Definition	Base Line Figure & Year	Measures 2014	Yearly Target & Progress			Remarks
					2014	2015	2016	
1	Total no. of Health Staff	Total no of staff in government health institutions		T	124,000	127,000		
				P	121,733	123,845		
2	No. of Medical Officers per 100,000 population	No. of Medical Officers per 100,000 population	13.7 (1986)	T	76.8	80.2	82.9	
				P	76.8	78.2		
3	No. of Dental Surgeons per 100,000 population	No. of Dental Surgeons per 100,000 population		T		6.5	6.6	
				P	6.2	6.3		
4	No. of Nurses per 100,000 population	No. of Nurses per 100,000 population	49.7 (1986)	T		154.6	155.2	
				P	154.1	154.1		
5	No. of PHMs per 100,000 population	No. of PHMs per 100,000 population	19.2 (1986)	T				
				P	43.6	43.7		
6	No. of PHIs per 100,000 population	No. of PHIs per 100,000 population	6.0 (1986)	T				
				P	8.2	8.0		

#	Indicator Name	Definition	Base Line Figure & Year	Measures 2014	Yearly Target & Progress			Remarks
					2014	2015	2016	
No of Specialists Per 100,000 population								
	No of Physicians per 100,000 population	No of Physicians per 100,000 population		T	0.96	0.98		
				P	0.95			
	No of Pediatricians per 100,000 population	No of Pediatricians per 100,000 population		T	0.72	0.75		
				P	0.68	0.69		
	No of Obstetricians per 100,000 population	No of Obstetricians per 100,000 population		T	0.66	0.68		
				P	0.64	0.62		
	No of General Surgeons per 100,000 population	No of General Surgeons per 100,000 population		T	0.62	0.68		
				P	0.57	0.60		
	No of Cardiologists per 100,000 population	No of Cardiologists per 100,000 population		T	0.193	0.203		
				0.19	0.20			
	No of Radiologists per 100,000 population	No of Radiologists per 100,000 population		T	0.44	0.46		
				0.43	0.44			

#	Indicator Name	Definition	Base Line Figure & Year	Measures 2014	Yearly Target & Progress			Remarks
					2014	2015	2016	
8	No. of in-service training programmes conducted (curative care staff)	No. of in-service training programmes conducted for curative care staff	32 (2013)	T				
9	No. of Curative care staff enrolled for training programmes	No of curative care staff enrolled for training programmes	8,084 (2013)	P	3,236			
				T				
				P	59,963			

Data Source: TCS Unit, MS Unit, DS Unit – MoH

6. Health Resources Indicator Status

#	Indicator Name	Definition	Base Line Figure & Year	Measures	Yearly Target and Progress			Remarks
					2014	2015	2016	
1	No. of health institutions	All health institutions under central government and provincial councils		T				
				P	1,742 (2013)	1,742 (2013)		
2	Total no of hospitals	Health institutions with inpatient facilities		T				
				P	601	610		
3	Bed occupancy rate at Teaching hospitals	% of hospital beds occupied by patients at Teaching hospitals		T				
				P	73.8 (2013)	73.8 (2013)		
4	Bed occupancy rate at Divisional hospitals	% of hospital beds occupied by patients at Divisional hospitals		T				
				P	35.62 (2013)	35.62 (2013)		
				T				
				P	34.64 (2013)	34.64 (2013)		
				T				
				P	36.87 (2013)	36.87 (2013)		

#	Indicator Name	Definition	Base Line Figure & Year	Measures	Yearly Target and Progress			Remarks
					2014	2015	2016	
5	% of ECG machine available with working condition	Percentage of ECG machine available, out of total requirement of government hospitals		T				
				P	61%	62%		
6	Total no of MRI scanners available with working condition (cumulative)	No of MRI scanner machine available in all government hospitals		T		7		
				P	5	7		
7	Total no of CT Scanners available with working condition (cumulative)	No of CT scanner machine available in all government hospitals		T		29		
				P	21	25		
8	Total no of Static-X-ray Units available with working condition	No of Static-X-ray Units available in all government hospitals		T				
				P	166	170		
9	Total no of Ultrasound Scanner available with working condition	Total no of Ultrasound scanners available in all government hospitals		T				
				P	210	296		
10	No of Blood Banks with 24 hour service	No of blood banks available with 24 hour service in government hospitals		T				
				P	74	74		

#	Indicator Name	Definition	Base Line Figure & Year	Measures	Yearly Target and Progress			Remarks
					2014	2015	2016	
11	Production of paracetamol tablets as a % of requirement of government hospitals	Production of paracetamol tablets by SPMC as a percentage of government hospital requirement	19% (2008)	T	93%	95%		
				P	65%	93%		
12	Production of amoxicillin capsules as a % of requirement of government hospitals	Production of amoxicillin capsules by SPMC as a percentage of government hospital requirement	80% (2008)	T	100%	100%		
				P	100%	100%		
13	Production of cloxacillin capsules as a % of requirement of government hospitals	Production of cloxacillin capsules by SPMC as a percentage of government hospital requirement	70% (2008)	T	100%	100%		
				P	100%	100%		
14	Total no of Ambulance available with working condition	Total no of ambulances available in all government hospitals		T				
				P	922	922		

Data Source: MSU, SPMC, MDPU

7. Health Management Indicator Status

#	Indicator Name	Definition	Base Line Figure & Year	Measures	Yearly Target and Progress			Remarks
					2014	2015	2016	
1	% of hospital committee meetings & health development committee meeting conducted	Percentage of hospital committee and health development committee meeting conducted out of scheduled meetings		T	100	100	100	
				P	66.6	66.4		
2	Number of health policy documents published by national and provincial MoH official	No. of health policy documents published by national and provincial MoH officials with the year		T	Not Applicable			
				P	4	2		
3	% of hospitals (above base) with performance management systems	Percentage of hospitals (above BH) has performance management system		T				
				P	40.8	52.4		
4	No. of Customer satisfaction surveys done	No. of customer satisfaction survey conducted in government hospitals during the year		T		120	135	
				P	113	160		
5	% of hospitals with functional Quality Management Units (BH upwards)	Percentage of hospitals with functional Quality Management Units (BH upwards)		T		45%	70%	
				P		100%		
6	% of hospitals monitoring healthcare associated infections	Percentage of hospitals with monitoring healthcare associated infections		T		40%	50%	
				P		52.4%		
7	% of availability of review bulletin for hospital performance	Percentage of hospitals with performance review bulletin		T		48	55	
				P	44	46		

#	Indicator Name	Definition	Base Line Data & (Year)	Measure	Yearly Target and Progress			Remarks
					2014	2015	2016	
8	% of progress review meetings conducted in hospitals			T	100	100	100	
	Management committee meetings	Percentage of management committee meeting conducted out of scheduled meetings		P	71.1	66.4		
	Perinatal Motility review meetings	Percentage of Perinatal Motility review meeting conducted out of scheduled meetings		P	79.2	81.3		
	Drug review meetings	Percentage of Drug review meeting conducted out of scheduled meetings		P	71.5	65.1		
	Infection control meetings	Percentage of Infection control meeting conducted out of scheduled meetings		P	59.2	73.7		
	Sectional heads meetings	Percentage of Sectional heads meetings meeting conducted out of scheduled meetings		P	72.1	79.1		
	Building reviews meetings	Percentage of Building reviews meeting conducted out of scheduled meetings		P	68.4	73.9		

Data Source: RDHS, LMH, Quality Secretariat Unit, MDPDU

8. Incidence/ Prevalence of Major Diseases, Risk Factors and Status of Key Indicators

Below charts indicates the six districts which had reported the highest incidence/prevalence of major diseases, risk factors and indicator status out of all districts

Indicator/ Disease/ Risk Factor	Child Care																										
	CP			EP			NCP			NWP			NP			SUB P			SP			UP			WP		
National Level	Kandy	Matale	N-Eliya	Ampara	Batticaloa	Kalmunai	Trincomalee	Anuradhapura	Polonnaruwa	Kurunegala	Puttalam	Jaffna	Killinochchi	Mannar	Mullaitivu	Vavuniya	Kegalle	Katnapura	Galle	Hambantota	Matara	Badulla	Monaragala	Colombo	Campaha	Kalutara	
IMR ¹	16.6	12.1	19.2	15.9	16.7	13.9	8.0	10.0	2.6	11.6	12.8	14.7	18.4	13.8	13.9	7.9	14.6	20.9	2.2	0.9	15.6						
NMR ¹	12.6	17.8	13.9	23.2	19.2	1.7	1.1	18.6	15.1	11.7	18.9	16.0	14.7	17.8	13.9	13.8	13.9	14.6	20.9	2.2	0.9	15.6					
Low birth weight babies ²	11.4	17.8	13.9	23.2	19.2	1.7	1.1	18.6	15.1	11.7	18.9	16.0	14.7	17.8	13.9	13.8	13.9	14.6	20.9	2.2	0.9	15.6					
Under-weight children ³	15.6	23.2	19.2	1.7	1.1	18.6	15.1	11.7	18.9	16.0	14.7	17.8	13.9	13.8	13.9	13.8	13.9	14.6	20.9	2.2	0.9	15.6					
Over-weight children ³	0.6	18.9	16.0	14.7	17.8	13.9	13.8	15.1	11.7	18.9	16.0	14.7	17.8	13.9	13.8	13.9	13.8	13.9	14.6	20.9	2.2	0.9	15.6				
Stunting children ³	9.6	18.9	16.0	14.7	17.8	13.9	13.8	15.1	11.7	18.9	16.0	14.7	17.8	13.9	13.8	13.9	13.8	13.9	14.6	20.9	2.2	0.9	15.6				
Wasting children ³	12.2	16.0	14.7	17.8	13.9	13.8	15.1	11.7	18.9	16.0	14.7	17.8	13.9	13.8	13.9	13.8	13.9	14.6	20.9	2.2	0.9	15.6					
MMR ⁴	32.0	62.7	8.7	9.0	7.0	42.0	53.5	###	50.2	66.5	7.0	27.7	24.2	24.8	24.5	24.2	24.8	24.5	24.2	24.5	24.2	24.2	24.2	24.2	24.2	24.2	
Teenage Pregnancies ⁵	5.2	8.7	9.0	7.0	42.0	53.5	###	50.2	66.5	7.0	27.7	24.2	24.8	24.5	24.2	24.2	24.8	24.5	24.2	24.5	24.2	24.2	24.2	24.2	24.2	24.2	
Anemia among pregnant mothers ⁵	21.4	34.1	40.9	31.1	46.2	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0
Pregnant women with low BMI ⁵	20.2	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3

¹ Per 1,000 LB ² Per 100 LB ³ Per 100 children under 5 years ⁴ Per 100,000 LB ⁵ Per 100 pregnant mothers



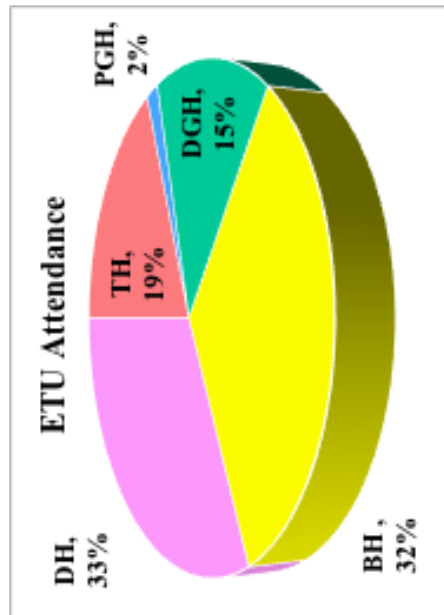
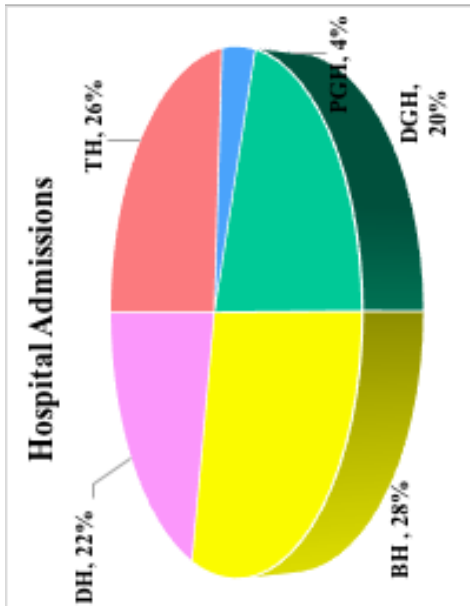
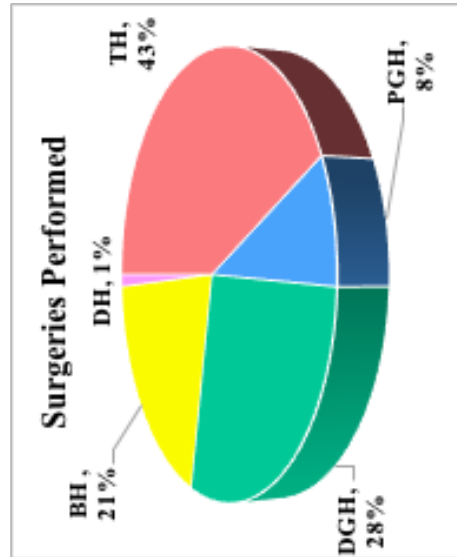
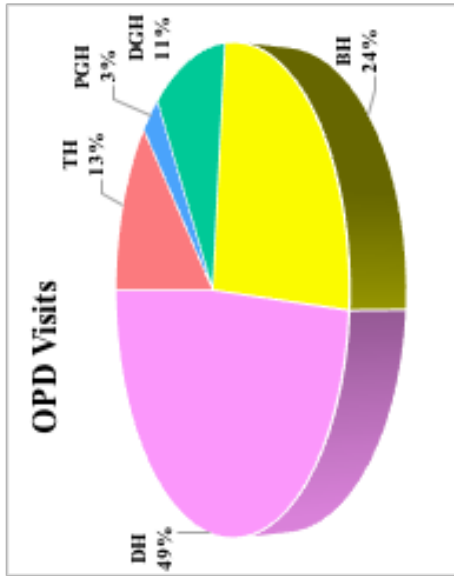
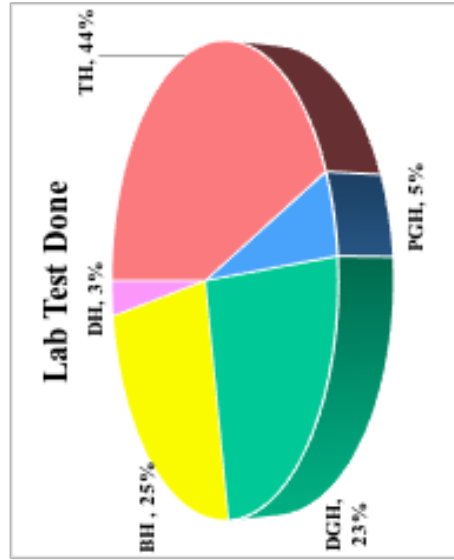
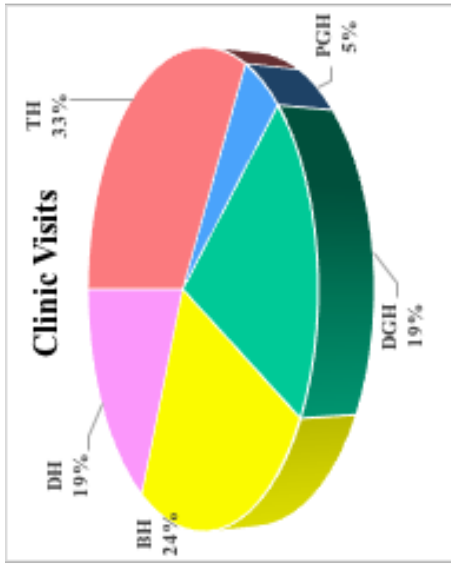
Indicator/ Disease/ Risk Factor	Communicable Diseases																																			
	National Level					CP				EP				NCP				NWP			NP				SUB P			SP			UP			WP		
						Matale	N-Eliya	Ampara	Batticaloa	Kalmunai	Trincomalee	Anuradhapura	Polonnaruwa	Kurunegala	Puttalam	Jaffna	Killinochchi	Mannar	Mullaitivu	Vavuniya	Kegalle	Ratnapura	Galle	Hambantota	Matara	Badulla	Monaragala	Colombo	Gampaha	Katara						
Dengue ⁶	146			212	103	122									258													317	139							
Microfilaria ⁷	0.029						0.012																						0.012	0.017						
TB ⁶	44.5	47.8			56.7														52.7										91.5	49.7						
Leprosy ⁶	9.4			15.2	30.4							19.8												13.1						14.0	14.1					
AIDS ⁶	0.73	1.4												2.1	2.2													3.3	1.5		0.9					

Indicator/ Disease/ Risk Factor	Non Communicable Diseases/ Risk Factors																																			
	National Level					CP				EP				NCP				NWP			NP				SUB P			SP			UP			WP		
						Matale	N-Eliya	Ampara	Batticaloa	Kalmunai	Trincomalee	Anuradhapura	Polonnaruwa	Kurunegala	Puttalam	Jaffna	Killinochchi	Mannar	Mullaitivu	Vavuniya	Kegalle	Ratnapura	Galle	Hambantota	Matara	Badulla	Monaragala	Colombo	Gampaha	Katara						
Cancer ⁶	82	138	81																											111	93					
Diabetes (FBS>126mg/dl) ⁸	9.8		13.2		13.9									14.1		14.6														13.8	15.7					
Cardiovascular risk > 30 years ⁸	0.315		0.85	0.804		0.836	0.71									41.2														0.51	0.774					
Hypertension (BP>140/90) ⁸	22.0		42.2	35.7		40.2																		32.7							47.9					
Obesity ⁸	8.0		12.2		14.4	10.7																									15.9	10.5				
Tobacco Chewers ⁸	13.3		26.0	21.9												19.0														21.4						
Alcoholics ⁸	7.0		18.1	12.3												11.2	10.9													10.2						
Smokers ⁸	6.2		13.9	10.0												9.2																				

⁶ Per 100,000 population ⁷ Per 100 persons ⁸ Percentage from total eligible screened people at NCD units



9. Hospital Service Involvement by Hospital Type



Acronyms

ABER - Annual blood examination rate

AC - Antenatal Care

AFC – Anti Filariasis Campaign

ALC – Anti Leprosy Campaign

AMC – Anti Malaria Campaign

ART – Antiretroviral treatment

AT – Antiretroviral Therapy

BH – Base Hospital

BCG - Bacille Calmette Guerin

BMI – Body Mass Index

BP – Blood Pressure

CBPU – Community Base Palliative Care

CP – Central Province

DH – Divisional Hospital

DGH - District General Hospital

DS – Dental Service

ECG – Electrocardiogram

EP - Eastern Province

EPID – Epidemiology Unit

ETU – Emergency Treatment Unit

FBS – Fasting Blood Sugar

FSWs – Female sex workers

GDP – Gross Domestic Product

HIV – Human Immunodeficiency Virus

HDU – High Dependency Unit

HLCs – Health Lifestyle Centers

ICU – Intensive Care Unit

IMR – Infant Mortality Rate

JE – Japanese Encephalitis

LB – Live Births

LMH – Line Ministry Hospital

LRTs – Laparoscopic Radical Trachelectomy

LSCSs – Lower Segment Caesarian Section

MMR – Maternal Mortality Rate

MSM – Men who have sex with men

MP - Malaria Parasite

MDPU – Management Development and Planning Unit

MoH – Ministry of Health

MOH – Medical Officer of Health

MRI – Magnetic Resonance Imaging scan

MRSA – Methicillin-Resistant Staphylococcus Aureus

NCCP – National Cancer Control Programme

NCP – North Central Province

NMR – Neonatal Mortality Rate

NP – Northern Province

NPTCCD – National Programme for Tuberculosis Control & Chest Diseases

NSACP – National STD/AIDS Control Programme

NWP – North Western Province

OPD – Out Patient Department

OPV – Oral Polio Vaccine

P – Progress

PGH – Provincial General Hospital

PHC – Public Health Care

PHVS – Public Health Veterinary Services

RDT – Rapid Diagnostic Test

RGD – Register General Department

SP – Southern Province

SUB P – Sabaragamuwa Province

SPMC – State Pharmaceutical Manufacturing Corporation

T – Target

TB - Tuberculosis Disease

TCS – Tertiary Care Services

TH – Teaching Hospitals

USS – Ultra Sound Scanner

UP – Uva Province

WP – Western Province

