



**Government of Kerala**  
**DIRECTORATE OF HEALTH SERVICES**  
**VANCHIYOOR (P.O) THIRUVANATHAPURAM**

**HEALTH AT A GLANCE**  
**2022-23**

**Prepared By**  
**HEALTH INFORMATION DIVISION**  
**(Statistics)**

## PREFACE

Directorate of Health Service has been bringing out annual publication titled “**Health at a Glance 2022-23**” which provides basic health statistics and gives an insight into the scenario of health sector in Kerala. The publication provides details of various health infrastructure like number of facilities, human resources, patient services provided by the various facilities. It also provides an overview of various health indicators used to measure and rank the performance of the state in the nation’s overall health sector.

This database will definitely serve as a guiding factor for the policy making processes undertaken by the Government of Kerala in health sector. It will be a good source of reference to academicians and research scholars.

I appreciate the combined efforts of Health Information Cell of Directorate of Health Services and the district statisticians whose contributions at large helped in giving shape to this publication.

Signed by

Reena K J

Date: 31-07-2024 15:38:59

Thiruvananthapuram  
31-07-2024

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## Abbreviations

Sl No	Abbreviation	Description
1	SRS	Sample Registration System
2	NFHS	National Family Health Survey
3	HMIS	Health Management Information System
4	RCH	Reproductive Child Health
5	DHS	Department of Health Services
6	NHM	National Health Mission
7	DME	Department of Medical Education
8	MCH	Medical College Hospital
9	DH	District Hospital
10	GH	General Hospital
11	W&C	Women and Child
12	THQH	Taluk Head Quarters Hospital
13	TH	Taluk Hospital
14	CHC	Community Health Centre
15	FHC	Family Health Centre
16	PHC	Primary Health Centre
17	HSC	Health Sub Centre
18	UPHC	Urban Primary Health Centre
19	DTBC	District TB Centre
20	DVC	District Vector Control
21	GTSH	Govt Tribal Speciality Hospital
22	NBSU	New Born Stabilization Unit
23	SNCU	Special New Born Care Unit
24	MMR	Maternal Mortality Ratio
25	IMR	Infant Mortality Rate
26	NMR	Neonatal Mortality Rate
27	OPD	Out Patient Department
28	IPD	In Patient Department

<b>Sl No</b>	<b>Abbreviation</b>	<b>Description</b>
29	AEFI	Adverse Event Following Immunization
30	HIV	Human Immuno Virus
31	TB	Tuberculo Bacillus
32	LEP	Leprosy Eradication Programme
33	ICU	Intensive Care Unit
34	ANC	Ante Natal Care
35	IPPI	Intensified Pulse Polio Immunization Programme
36	IMI	Intensified Mission Indradhanush
37	MTP	Medical Termination of Pregnancy
38	RNTCP	Revised National Tuberculosis Control Programme
39	TVM	Thiruvananthapuram
40	KLM	Kollam
41	PTA	Pathanamthitta
42	ALP	Alappuzha
43	KTM	Kottayam
44	IDK	Idukki
45	EKM	Ernakulam
46	TSR	Thrissur
47	PKD	Palakkad
48	MLP	Malappuram
49	KKD	Kozhikkode
50	WND	Wayanad
51	KNR	Kannur
52	KSD	Kasargod

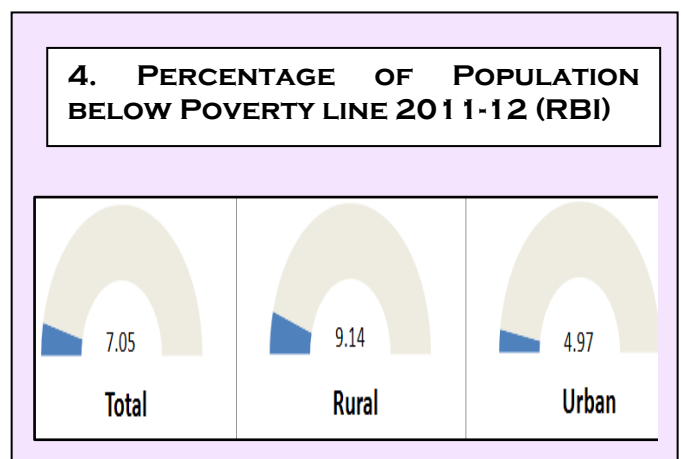
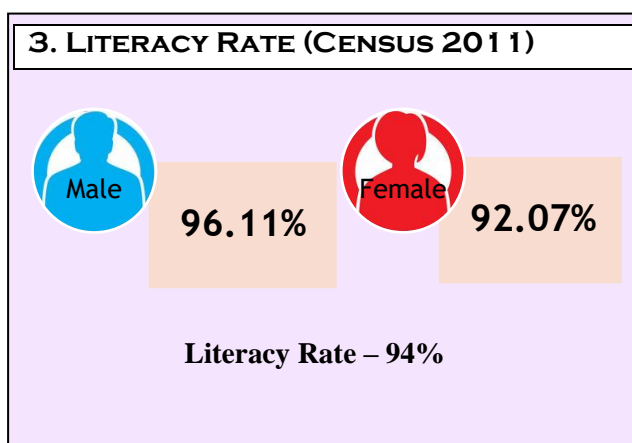
# 1. FACT SHEET



# 2022 – 23 KERALA FACT SHEET

1. GENERAL INFORMATION	
Geographical Area (Km <sup>2</sup> )	38863
Rural Area (Km <sup>2</sup> )	35611.14
Urban Area (Km <sup>2</sup> )	3251.86
Districts	14
Taluks	78
Panchayaths	941
Number of Panchayath wards	15962
Blocks	152
Revenue Villages (including group village)	1670
Towns	461
Number of City Corporations	6
No. of Corp. Wards	414
Municipalities	87
No. of Municipal Wards	3078
No. of Legislative Assembly	140
No. of Parliament Constituencies	20

2. POPULATION ( 2011 CENSUS)		
Population	Total	33406061
	Male	16027412
	Female	17378649
	Urban	17471135
	Rural	15934926
Sex Ratio		1084
SC Population	Total	3039573
	Male	1477808
	Female	1561765
ST Population	Total	484839
	Male	238203
	Female	246636
0-6 Population	Total	3472955
	Male	1768244
	Female	1704711
Sex Ratio (Child)		964
Population density (Persons/Km <sup>2</sup> )		860





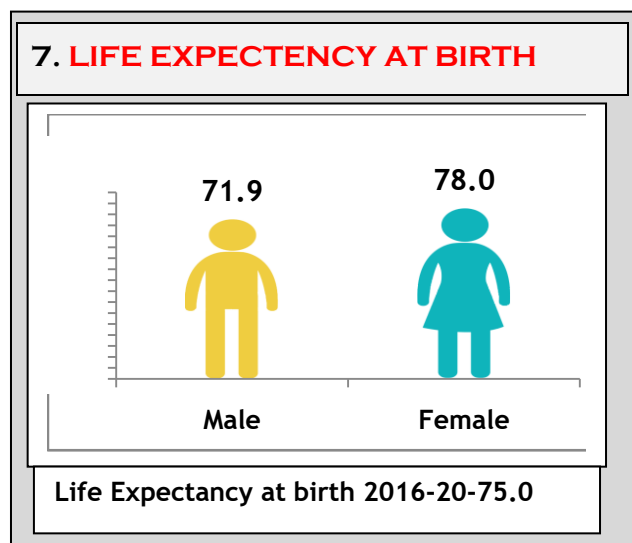
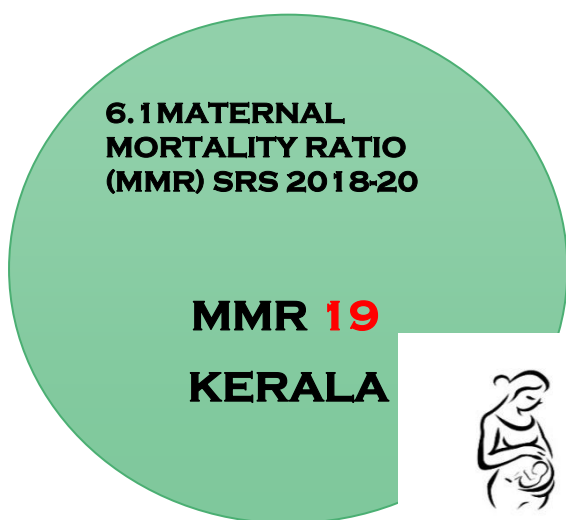
**5. NUMBER OF MAJOR HEALTH FACILITIES UNDER DHS**



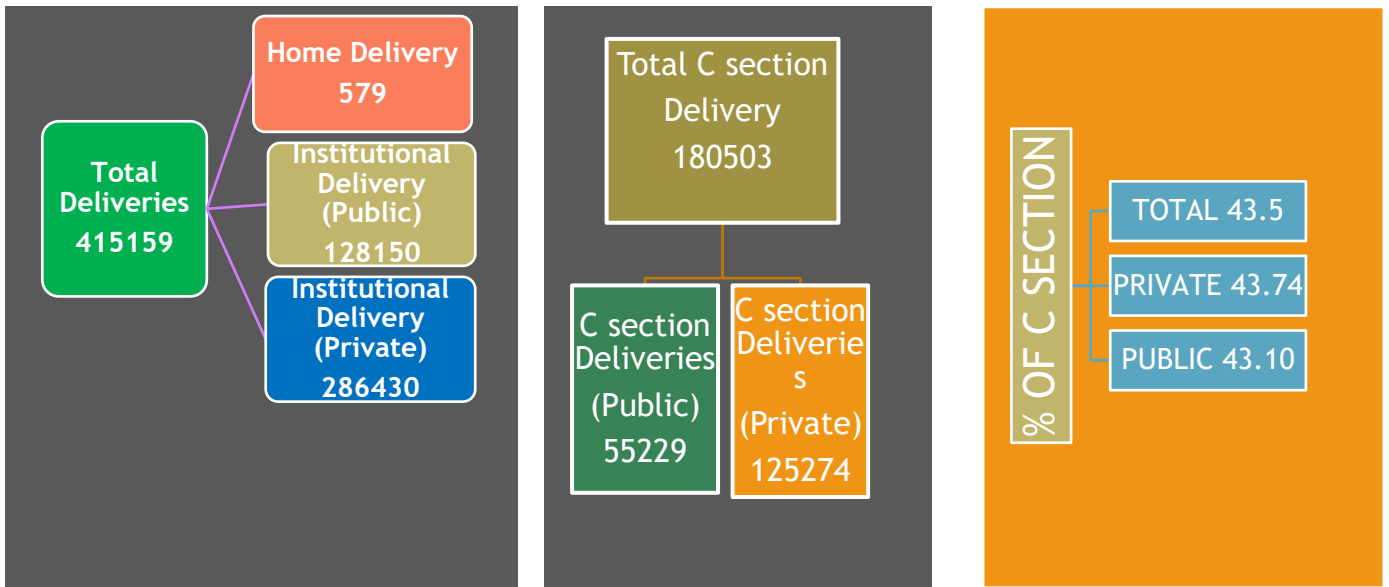
Type of Facility	Number
District Hospitals(DH)	18
General Hospitals(GH)	18
Women & Child Hospitals( W&C)	10
Taluk Head Quarters Hospitals( THQH)	47
Taluk Hospitals (TH)	40
Community Health Centers(CHC) CHC converted to Family Health Centers	227
PHCs converted to FHC&24x7converted to FHCs	842
Primary Health Centers( PHC&24x7)	5
Others	79

## BIRTH RATE AND MORTALITY RATES (SRS 2020)

BIRTH RATE	DEATH RATE	INFANT MORTALITY RATE	UNDER FIVE MORTALITY RATE
			
13.2	7.0	6.0	8.0

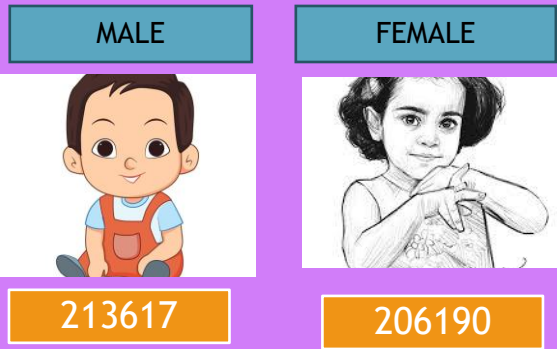


## 8. DELIEVERIES 2022-23(SOURCE HMIS)



Total number of Institutional Deliveries	414580
Percentage of Institutional Deliveries	99.86%

**9. LIVE BIRTH 2022-23( SOURCE : HMIS)**

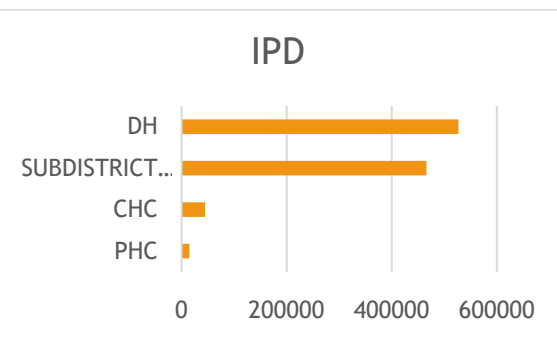


Live Birth 2022-2023 =419807

**OPD BY TYPE OF FACILITY 2022-23**

SUB DISTRICT HOSPITAL- 26991172  
 PHC-37598573  
 CHC-23014783  
 DH-21376782

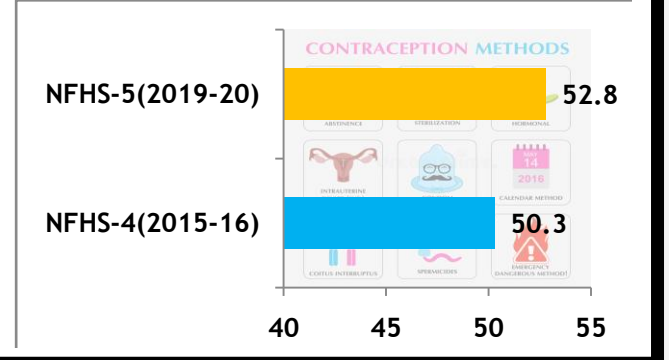
**11. IPD BY TYPE OF FACILITY 2022-23 ( HMIS)**



**Total Public IPD (excluding MCH) 1052676**

**12. FAMILY PLANNING ( SOURCE NFHS-4 AND 5)**

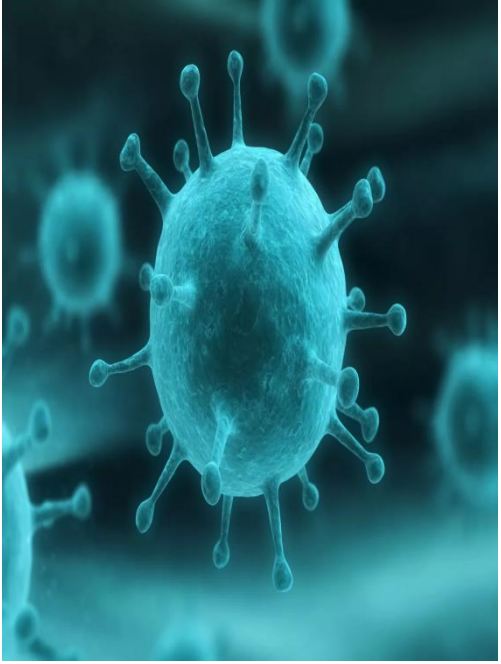
% of Current use of modern contraceptive method( Currently married women aged 15-49



**13.FULL IMMUNISATION COVERAGE 0-1 YEARS(RCH PORTAL)**



**15. PREVALANCE RATE OF DISEASES IN KERALA 2023**



Disease	Prevalence Rate(Per 1000 population) 2023
Leprosy	0.014
Filaria	0.0485
Malaria	0.0023
Pulmonary Tuberculosis	0.396
Total TB Cases	0.614
Acute Diarrheal Diseases	1.3697
Pneumonia	0.0169
Enteric Fever	0.000287
Measles	0.00412
Acute Respiratory Infection	103.9
Chickenpox	0.0743
Viral Hepatitis - A	0.00304

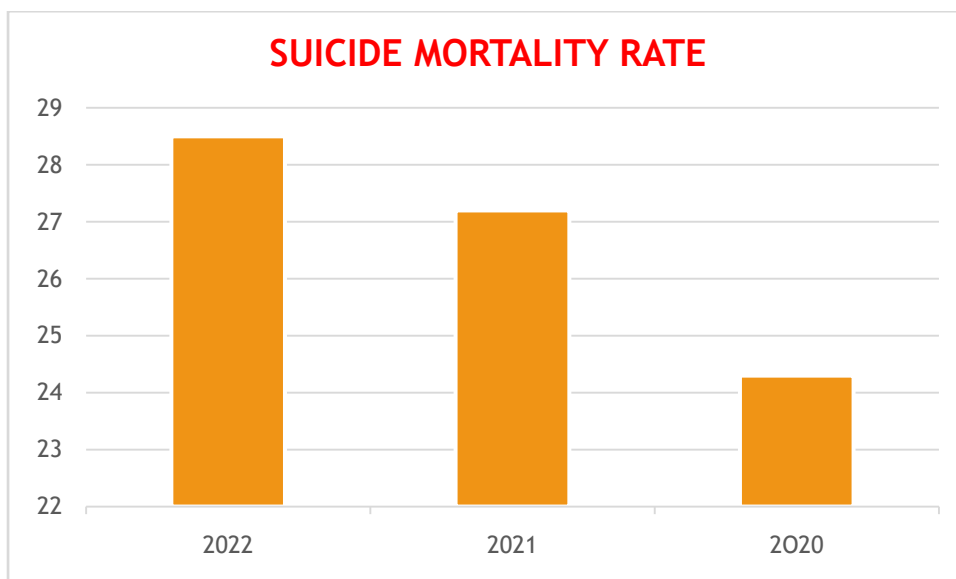




### SUICIDE MORTALITY RATE ( PER 1,00,000 POPULATION )

YEAR	SUICIDE MORTALITY RATE IN KERALA
2022	28.5
2021	27.2
2020	24.3

Source : NCRB- Accidental Deaths & Suicides In India





**HIV INCIDENCE PER 1000 UNINFECTED POPULATION**

<b>2021</b>	<b>0.01</b>
<b>2022</b>	<b>0.01</b>

1) HIV Incidence Per 1,000 Uninfected population in 2021 : 0.01

2) Percentage Of Adult HIV Prevalence ( 15-49 Yrs ) : 0. 06

**17. PERCENTAGE OF CHILDREN AGED 1-4 YEARS HAVING ANAEMIA (ANY <11.0 G/DL)**



2015-16 (NFHS)-35.7

2019-20 (NFHS ) 39.4

**18. PERCENTAGE OF CHILDREN AGED 1-4 YEARS HAVING ANAEMIA (ANY <11.0 G/DL)**



Source:Comprehensive National Nutrition Survey



## 21 .OUT OF POCKET MEDICAL EXPENDITURE

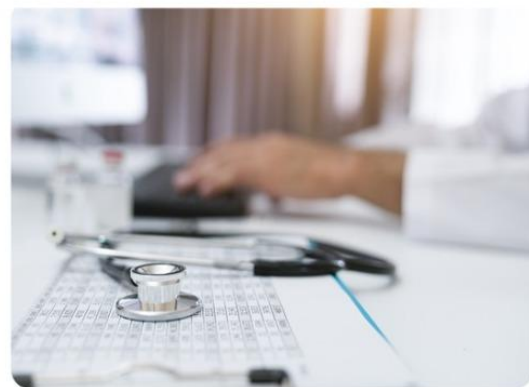


ITEM	EXPENDITURE
Average Medical Expenditure Per Hospitalization In Govt Hospitals (Excluding Child Birth )	4469
Average Medical Expenditure Per Hospitalization In Private Hospitals (Excluding Child Birth )	28775
Average Medical Expenditure Per Hospitalization In Hospitals (Excluding Child Birth )	19109
Average Medical Expenditure Per Spell Of Ailment in OP Clinic	480

Source : 75 ROUND NATIONAL SAMPLE SURVEY( JULY 2017- JUNE 2018 )  
SAMPLE REGISTRATION SYSTEM ( SRS 2020 )



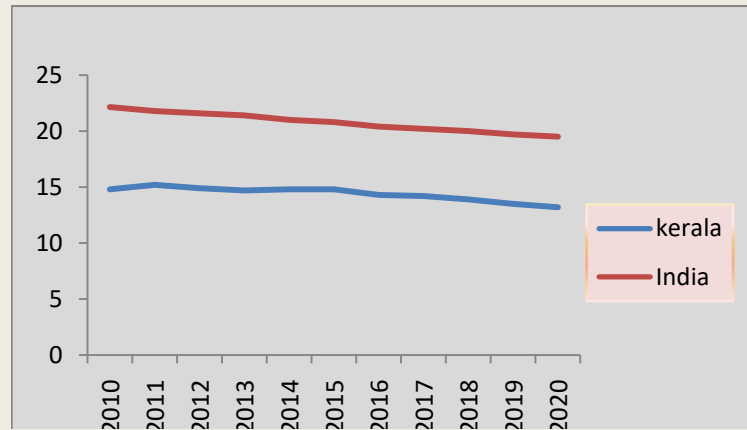
# KEY INDICATORS OF MAJOR SURVEYS ON HEALTH



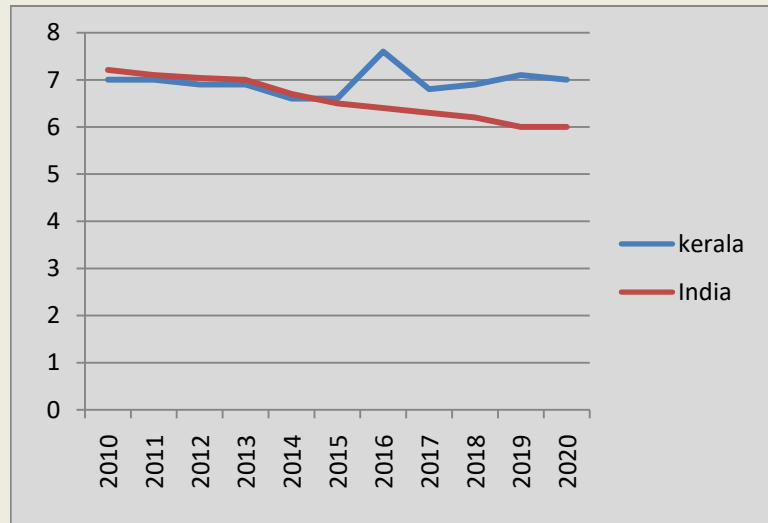
## 2.1 SAMPLE REGISTRATION SYSTEM ( SRS)

### 2.1.1 Time series Data on Major Indicators

#### 2.1.1.1 BIRTH RATE

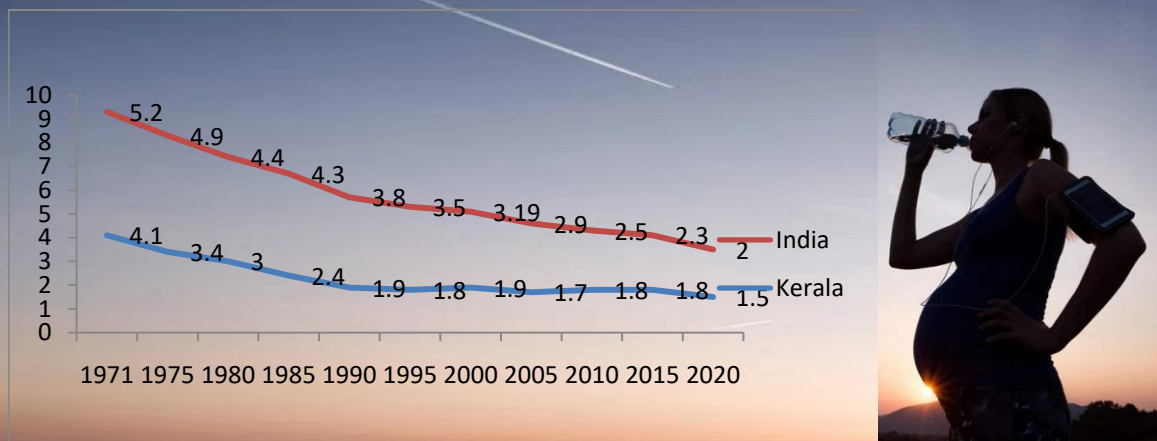


#### 2.1.1.2 DEATH RATE



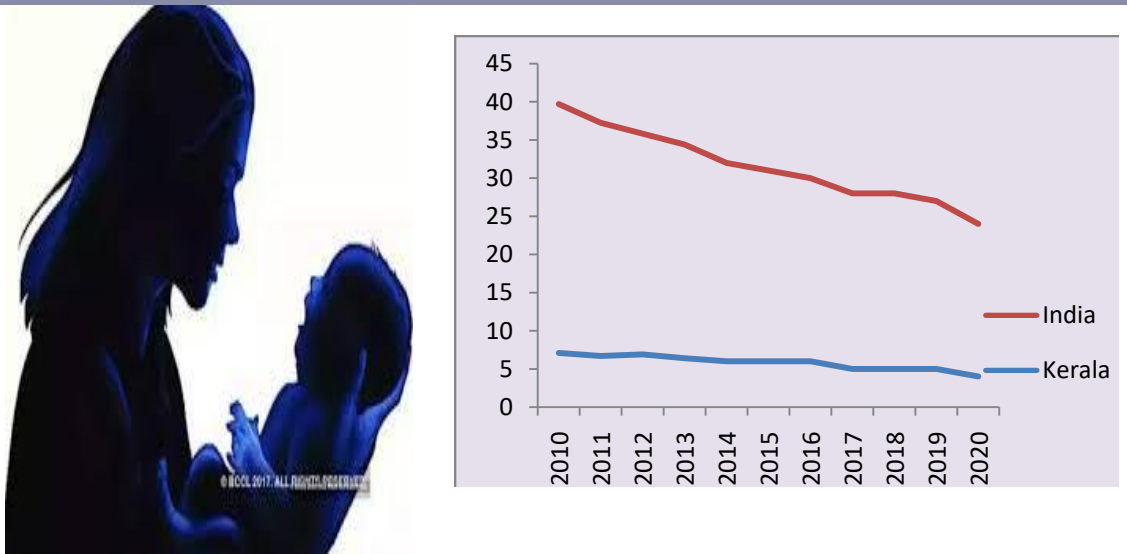
Year wise Death rate is presented in Table 2.1.1.2

### 2.1.1.3 TOTAL FERTILITY RATE



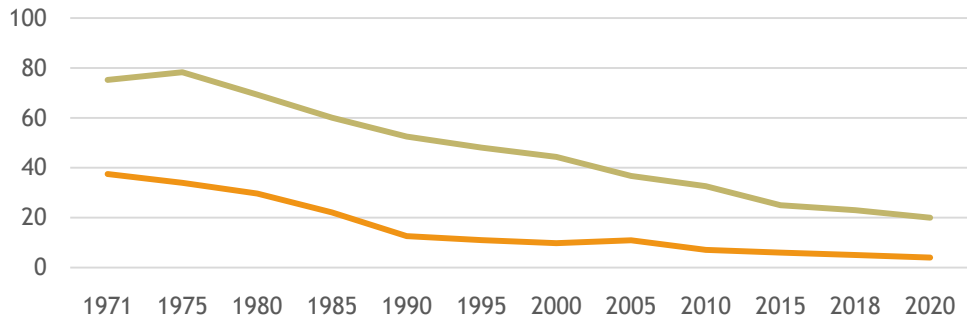
Year wise TFR is presented in Table 2.1.1.3

### 2.1.1.4 INFANT MORTALITY RATE

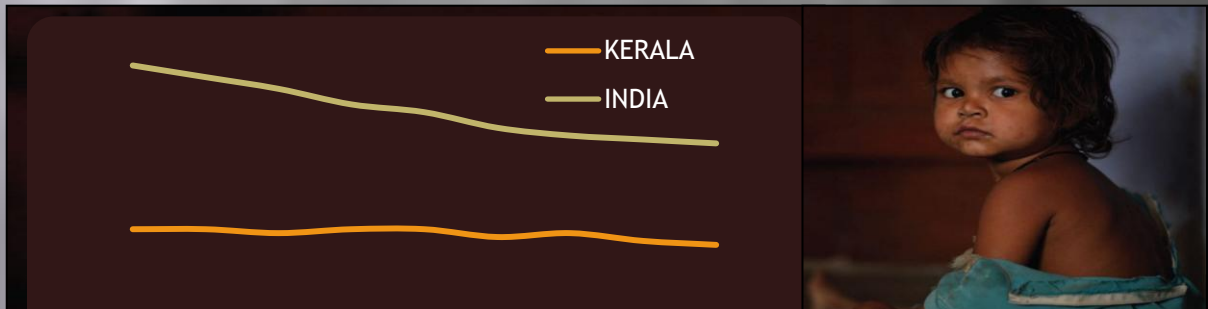


Year wise IMR is presented in Table 2.1.1.4

### 2.1.1.5 NEO NATAL MORTALITY RATE (NMR)



### 2.1.1.6 UNDER FIVE MORTALITY RATE (U5MR)



### 2.1.1.7 MATERNAL MORTALITY RATIO (MMR)

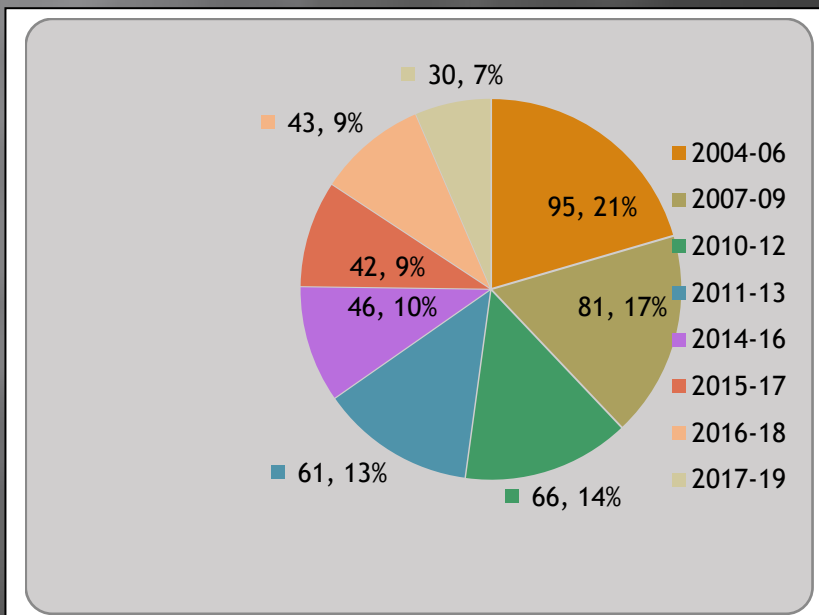


Table 2.1.1.1 BirthRate-SRS

Year	KERALA			INDIA		
	Rural+Urban	Rural	Urban	Rural+Urban	Rural	Urban
1973	29.2	29.4	28.5	34.60	35.90	28.90
1974	26.8	26.7	26.9	34.50	35.90	28.40
1975	28.0	28.1	27.5	35.20	36.70	28.50
1976	27.8	28.1	26.5	34.40	35.80	28.40
1977	25.8	26.1	24.1	33.00	34.30	27.80
1978	25.2	25.3	24.9	33.30	34.70	27.80
1979	25.8	26.3	23.9	33.10	34.30	28.30
1980	26.6	27.0	25.0	33.30	34.60	28.10
1981	25.6	26.0	23.5	33.90	35.60	27.00
1982	26.2	26.4	25.1	33.80	35.50	27.60
1983	24.9	25.0	24.9	33.70	35.30	28.30
1984	22.9	22.6	24.1	33.90	35.30	29.40
1985	23.3	23.1	24.1	32.90	34.30	28.10
1986	22.5	22.4	23.0	32.60	34.20	27.10
1987	21.7	21.5	22.3	32.20	33.70	27.40
1988	20.3	20.0	21.4	31.50	33.10	26.30
1989	20.3	20.2	20.5	30.60	32.20	25.20
1990	19.6	19.6	19.8	30.20	31.70	24.70
1991	18.3	18.4	18.1	29.50	30.90	24.30
1992	17.7	17.6	18.3	29.20	30.90	23.10
1993	17.4	17.5	17.3	28.70	30.40	23.70
1994	17.4	17.3	18.0	28.70	30.50	23.10
1995	18.0	18.1	17.7	28.30	30.00	22.70
1996	18.0	18.0	17.9	27.50	29.30	21.60
1997	17.9	17.9	17.9	27.20	28.90	21.50
1998	18.3	18.3	18.2	26.50	28.00	21.10
1999	18.0	18.1	17.7	26.00	27.50	20.80
2000	17.9	18.0	17.5	25.80	27.60	20.70
2001	17.3	17.4	16.7	25.40	27.10	20.30
2002	16.9	17.0	16.4	24.99	26.65	19.96
2003	16.7	16.9	16.0	24.80	26.40	19.80
2004	15.2	15.4	14.6	24.10	25.90	19.00
2005	15.0	15.1	14.8	23.80	25.60	19.10
2006	14.9	15.0	14.6	23.50	25.20	18.80
2007	14.7	14.8	14.5	23.10	24.70	18.60
2008	14.6	14.6	14.6	22.81	24.41	18.50
2009	14.7	14.6	14.9	22.55	24.12	18.31
2010	14.8	14.8	14.8	22.15	23.69	17.98
2011	15.2	15.4	14.4	21.79	23.33	17.61
2012	14.9	15.1	14.2	21.59	23.11	17.42
2013	14.7	15.0	14.0	21.40	22.90	17.30
2014	14.8	14.9	14.8	21.0	22.7	17.40
2015	14.8	14.8	14.8	20.8	22.4	17.30
2016	14.3	14.3	14.4	20.4	22.1	17.00
2017	14.2	14.1	14.2	20.2	21.8	16.80
2018	13.9	13.8	14.0	20	21.6	16.70
2019	13.5	13.4	13.7	19.7	21.4	16.40
2020	13.2	13.1	13.3	19.5	21.1	16.10

Table 2.1.1.2 Death Rate (SRS)						
	KERALA			INDIA		
	Rural+Urban	Rural	Urban	Rural+Urban	Rural	Urban
1971	9.0	9.1	8.4	14.90	16.40	9.70
1972	9.2	9.4	7.8	16.90	18.90	10.30
1973	8.5	8.7	7.2	15.50	17.00	9.60
1974	7.8	8.0	7.0	14.50	15.90	9.20
1975	8.4	8.5	7.8	15.90	17.30	10.20
1976	8.1	8.2	7.6	15.00	16.30	9.50
1977	7.3	7.4	6.8	14.70	16.00	9.40
1978	7.0	7.1	6.7	14.20	15.30	9.40
1979	6.9	6.9	6.6	12.80	13.90	8.40
1980	7.0	7.1	6.5	12.40	13.50	8.00
1981	6.6	6.7	5.8	12.50	13.70	7.80
1982	6.6	6.6	6.6	11.90	13.10	7.40
1983	6.7	6.7	6.9	11.90	13.10	7.90
1984	6.4	6.2	7.3	12.60	13.80	8.60
1985	6.5	6.5	6.6	11.80	13.00	7.80
1986	6.1	6.0	6.9	11.10	12.20	7.60
1987	6.1	6.1	6.2	10.90	12.00	7.40
1988	6.4	6.3	6.7	11.00	12.00	7.70
1989	6.1	6.0	6.1	10.30	11.10	7.20
1990	6.0	6.0	6.1	9.70	10.50	6.80
1991	6.0	6.2	5.3	9.80	10.60	7.10
1992	6.3	6.3	6.5	10.10	10.90	7.00
1993	6.0	6.0	5.8	9.30	10.60	5.80
1994	6.1	5.9	6.4	9.30	10.10	6.70
1995	6.0	6.0	6.0	9.00	9.80	6.60
1996	6.2	6.3	6.0	9.00	9.70	6.50
1997	6.2	6.3	6.1	8.90	9.60	6.50
1998	6.4	6.5	6.2	9.00	9.70	6.60
1999	6.4	6.5	6.3	8.60	9.40	6.25
2000	6.4	6.5	6.2	8.50	9.30	6.30
2001	6.6	6.8	6.2	8.40	9.10	6.30
2002	6.4	6.4	6.2	8.10	8.70	6.10
2003	6.3	6.4	6.1	8.00	8.70	6.00
2004	6.1	6.0	6.4	7.50	8.20	5.80
2005	6.4	6.3	6.5	7.60	8.10	6.00
2006	6.7	6.8	6.5	7.50	8.10	6.00
2007	6.8	6.9	6.4	7.40	8.00	6.00
2008	6.6	6.7	6.4	7.40	7.95	5.92
2009	6.8	6.8	6.5	7.30	7.84	5.84
2010	7.0	7.1	6.7	7.21	7.74	5.77
2011	7.0	7.1	6.6	7.10	7.62	5.67
2012	6.9	7.0	6.5	7.04	7.56	5.60
2013	6.9	7.0	6.6	7.00	7.50	5.60
2014	6.6	6.8	6.5	6.7	7.3	5.5
2015	6.6	6.7	6.4	6.5	7.1	5.4
2016	7.6	7.3	7.8	6.4	6.9	5.4
2017	6.8	7.2	6.5	6.3	6.9	5.3
2018	6.9	7.1	6.7	6.2	6.7	5.1
2019	7.1	7.1	7.2	6.0	6.5	5.0
2020	7.0	7.0	7.1	6.0	6.4	5.1

Table 2.1.1.3 Total Fertility Rate (TFR)						
Year	KERAL A			INDIA		
	Rural+Urban	Rural	Urban	Rural+Urban	Rural	Urban
1971	4.1	4.2	3.8	5.20	5.40	4.10
1972	4.1	4.2	3.6	5.20	5.40	4.30
1973	3.8	3.9	3.3	4.90	5.20	3.70
1974	3.3	3.3	3.0	4.90	5.20	3.70
1975	3.4	3.4	3.1	4.90	5.20	3.70
1976	3.4	3.5	2.9	4.70	5.00	3.60
1977	3.0	3.1	2.6	4.50	4.80	3.40
1978	2.9	3.0	2.7	4.50	4.80	3.40
1979	3.0	3.1	2.6	4.40	4.70	3.40
1980	3.0	3.1	2.6	4.40	4.70	3.40
1981	2.8	2.9	2.4	4.50	4.80	3.30
1982	2.9	3.0	2.6	4.50	4.90	3.40
1983	2.6	2.8	2.5	4.50	4.90	3.40
1984	2.4	2.4	2.4	4.50	4.80	3.50
1985	2.4	2.4	2.3	4.30	4.60	3.30
1986	2.3	2.3	2.2	4.20	4.50	3.10
1987	2.2	2.2	2.2	4.10	4.40	3.20
1988	2.0	2.0	2.1	4.00	4.30	3.10
1989	2.0	2.1	1.8	3.90	4.20	2.80
1990	1.9	1.9	1.9	3.80	4.10	2.80
1991	1.8	1.8	1.7	3.60	3.90	2.70
1992	1.7	1.7	1.7	3.60	3.90	2.60
1993	1.7	1.7	1.7	3.50	3.80	2.80
1994	1.7	1.7	1.8	3.50	3.80	2.70
1995	1.8	1.9	1.8	3.50	3.90	2.60
1996	1.8	1.8	1.8	3.40	3.70	2.40
1997	1.8	1.8	1.8	3.32	3.64	2.38
1998	1.8	1.8	1.9	3.25	3.52	2.39
1999	1.8	1.8	1.8	3.19	3.50	2.34
2000	1.9	1.9	1.8	3.19	3.51	2.33
2001	1.8	1.8	1.7	3.10	3.40	2.30
2002	1.8	1.8	1.7	3.01	3.31	2.20
2003	1.8	1.8	1.7	2.96	3.24	2.18
2004	1.7	1.8	1.7	2.90	3.30	2.10
2005	1.7	1.7	1.7	2.90	3.20	2.10
2006	1.7	1.7	1.7	2.79	3.09	2.05
2007	1.7	1.7	1.7	2.68	2.97	1.99
2008	1.7	1.7	1.7	2.60	2.90	2.00
2009	1.7	1.7	1.8	2.60	2.90	2.00
2010	1.8	1.8	1.8	2.50	2.80	1.90
2011	1.8	1.9	1.8	2.40	2.70	1.90
2012	1.8	1.9	1.8	2.40	2.60	1.80
2013	1.8	1.9	1.8	2.30	2.50	1.80
2014	1.9	1.9	1.8	2.3	2.5	1.8
2015	1.8	1.8	1.8	2.3	2.5	1.8
2016	1.8	1.8	1.8	2.3	2.5	1.8
2017	1.7	1.7	1.7	2.2	2.4	1.7
2018	1.7	1.7	1.7	2.2	2.4	1.7
2019	1.6	1.6	1.6	2.1	2.3	1.7
2020	1.5	1.5	1.5	2.0	2.2	1.6



Year	KERALA			INDIA		
	Rural+Urban	Rural	Urban	Rural+Urban	Rural	Urban
1971	58.0	60.0	48.0	129.0	138.00	82.00
1972	63.0	66.0	43.0	139.0	150.00	85.00
1973	54.0	57.0	47.0	134.0	143.00	89.00
1974	54.0	56.0	44.0	126.0	136.00	74.00
1975	54.0	57.0	36.0	140.0	151.00	84.00
1976	56.0	58.0	47.0	129.0	139.00	80.00
1977	47.0	49.0	37.0	130.0	140.00	81.00
1978	42.0	45.0	29.0	127.0	137.00	74.00
1979	42.7	44.7	30.5	120.00	129.70	72.20
1980	40.2	41.2	34.5	113.90	123.80	65.20
1981	37.0	40.0	24.0	110.00	119.00	62.00
1982	30.0	32.0	24.0	105.00	114.00	65.00
1983	33.0	35.0	26.0	105.00	114.00	66.00
1984	29.0	29.0	27.0	104.00	113.00	66.00
1985	31.0	32.0	30.0	97.00	107.00	59.00
1986	27.0	28.0	20.0	96.00	105.00	62.00
1987	28.0	29.0	25.0	95.00	104.00	61.00
1988	28.0	29.0	22.0	94.00	102.00	62.00
1989	21.0	23.0	15.0	91.00	98.00	58.00
1990	17.0	17.0	15.0	80.00	86.00	50.00
1991	16.0	17.0	16.0	80.00	87.00	53.00
1992	17.0	17.0	13.0	79.00	85.00	53.00
1993	13.0	15.0	8.0	74.00	82.00	45.00
1994	16.0	16.0	14.0	74.00	80.00	52.00
1995	15.0	16.0	13.0	74.00	80.00	48.00
1996	14.0	13.0	16.0	72.00	77.00	46.00
1997	12.2	11.1	15.4	71.00	77.00	45.00
1998	16.0	15.0	17.0	72.00	77.00	45.00
1999	14.5	13.8	16.4	70.00	75.00	44.00
2000	13.9	13.8	14.4	68.00	74.00	44.00
2001	11.3	12.2	8.6	66.00	72.00	42.00
2002	10.0	10.7	7.5	63.00	69.00	40.00
2003	11.0	12.0	10.0	60.00	66.00	38.00
2004	12.0	13.0	9.0	58.00	64.00	40.00
2005	14.0	15.0	12.0	58.00	64.00	40.00
2006	15.0	16.0	12.0	57.00	62.00	39.00
2007	13.0	14.0	10.0	55.00	61.00	37.00
2008	11.5	12.1	9.8	53.47	58.43	35.92
2009	11.6	11.9	10.6	50.35	55.05	33.69
2010	13.3	14.3	10.4	47.06	51.00	31.22
2011	12.1	12.9	9.4	44.24	48.49	28.98
2012	11.8	12.5	9.2	42.27	46.30	27.66
2013	12.0	13.0	9.0	40.00	44.00	27.00
2014	12.0	14.0	10.0	39.00	43.00	26.00
2015	12.0	13.0	10.0	37.00	41.00	25.00
2016	10.0	10.0	10.0	34.00	37.00	23.00
2017	10.0	9.0	10.0	33.00	37.00	23.00
2018	7.0	9.0	5.0	32.00	36.00	23.00
2019	6.0	7.0	5.0	30.00	34.00	20.00
2020	6.0	4.0	9.0	28.00	31.00	19.00



Table 2.1.1.5 Neo Natal Mortality Rate (NMR)						
Year	KERALA			INDIA		
	Rural+Urban	Rural	Urban	Rural+Urban	Rural	Urban
1971	37.5	39.1	28.0	75.20	80.60	45.40
1972	36.7	38.7	24.1	71.60	76.60	44.90
1973	30.5	31.3	26.0	68.20	72.10	47.50
1974	31.5	32.8	24.6	70.10	75.70	41.00
1975	34.0	36.1	22.1	78.30	84.30	46.20
1976	33.9	36.1	23.9	77.00	83.00	49.00
1977	28.1	31.0	12.0	80.20	88.00	42.00
1978	26.8	28.4	18.2	77.40	85.20	38.00
1979	29.8	31.7	18.1	71.70	77.70	42.40
1980	29.7	31.4	19.5	69.30	75.50	39.10
1981	25.7	27.1	16.8	69.90	75.60	38.50
1982	21.7	23.0	15.3	66.70	72.90	38.80
1983	23.0	24.3	17.4	67.20	73.60	39.30
1984	21.0	21.4	19.4	65.80	72.20	39.70
1985	22.1	22.3	20.9	60.10	66.60	33.30
1986	19.1	21.0	7.8	59.80	65.50	36.20
1987	19.3	20.0	16.1	57.70	63.60	33.30
1988	18.0	18.4	16.7	56.80	62.00	34.60
1989	14.2	15.2	9.7	56.40	62.10	31.40
1990	12.6	12.7	12.0	52.50	57.40	30.90
1991	11.3	11.6	10.3	51.10	55.40	32.20
1992	10.9	11.5	8.1	50.00	53.60	33.00
1993	10.0	10.8	7.4	47.10	52.30	28.40
1994	12.6	13.3	10.4	47.70	52.00	32.60
1995	11.0	11.0	10.0	48.10	52.30	29.20
1996	10.0	10.0	10.0	47.00	50.00	28.00
1997	7.5	7.2	8.4	46.12	50.52	26.16
1998	10.9	10.6	11.7	45.05	49.00	26.96
1999	11.0	10.1	13.8	44.85	49.24	27.65
2000	9.8	10.0	9.0	44.38	48.66	27.49
2001	8.9	9.9	5.6	40.42	44.26	24.93
2002	6.6	7.5	3.7	39.64	43.55	23.77
2003	6.6	6.6	6.7	37.09	40.80	21.88
2004	9.1	9.8	6.9	37.44	41.25	23.59
2005	10.9	11.2	9.9	36.74	40.53	23.19
2006	10.0	12.0	7.0	37.01	40.92	22.94
2007	7.5	9.1	2.2	36.35	40.41	21.80
2008	7.4	8.8	3.2	35.11	39.17	20.73
2009	7.2	7.5	6.4	34.18	38.02	20.55
2010	7.1	7.7	5.2	32.62	36.36	19.32
2011	6.7	7.7	3.2	30.56	34.37	16.86
2012	6.9	8.0	3.2	28.93	32.58	15.71
2013	6.4	7.5	2.8	28.00	31.00	15.00
2014	6.00	8.00	4.00	26.00	30.00	15.00
2015	6.00	8.00	4.00	25.00	29.00	15.00
2016	6.00	7.00	4.00	24.00	27.00	14.00
2017	5.00	7.00	4.00	23.00	27.00	14.00
2018	5.00	6.00	4.00	23.00	27.00	14.00
2019	5.00	5.00	4.00	22.00	25.00	13.00
2020	4.00	3.00	6.00	20.00	23.00	12.00

<b>Table 2.1.1.6 UNDER 5 MORTALITY RATE (U5MR)</b>						
<b>Year</b>	<b>KERAL A</b>			<b>INDIA</b>		
	<b>Rural+Urban</b>	<b>Rural</b>	<b>Urban</b>	<b>Rural+Urban</b>	<b>Rural</b>	<b>Urban</b>
<b>2011</b>	13	14	10	55	61	35
<b>2012</b>	13	13	10	52	58	32
<b>2013</b>	12	13	9	49	55	29
<b>2014</b>	13	14	12	45	51	28
<b>2015</b>	13	14	11	43	45	28
<b>2016</b>	11	12	10	39	43	25
<b>2017</b>	12	12	12	37	42	25
<b>2018</b>	10	11	9	36	40	26
<b>2019</b>	9	9	8	35	39	23
<b>2020</b>	8	5	12	32	36	21

<b>Table 2.1.1.7 Maternal Mortality Ratio (MMR)</b>		
<b>YEAR</b>	<b>KERAL A</b>	<b>INDIA</b>
<b>2004-06</b>	95	254
<b>2007-09</b>	81	212
<b>2010-12</b>	66	178
<b>2011-13</b>	61	167
<b>2014-16</b>	46	130
<b>2015-17</b>	42	122
<b>2016-18</b>	43	113
<b>2017-19</b>	30	103
<b>2018-20</b>	19	97

Table2.1.1.8 Life Expectancy at Birth by sector

Year	KERALA			INDIA		
	Rural+Urban	Rural	Urban	Rural+Urban	Rural	Urban
1976-80	65.5	65.5	65.7	52.3	50.6	60.1
1981-85	68.4	68.5	67.6	55.4	53.7	62.8
1986-90	69.5	69.6	68.6	57.7	56.1	63.4
1987-91	70.4	70.4	71.7	58.3	56.8	63.8
1988-92	70.9	70.9	72.3	58.7	57.4	64.1
1989-93	72.0	71.8	72.8	59.4	58.0	64.9
1990-94	72.7	72.0	73.0	60.0	58.6	65.4
1991-95	72.9	72.5	73.3	60.3	58.9	65.9
1992-96	73.1	72.8	73.6	60.7	59.4	66.3
1993-97	73.3	73.2	73.8	61.1	59.9	66.6
1994-98	73.4	73.3	73.8	61.4	60.1	66.8
1995-99	71.7	71.9	71.3	61.5	60.3	66.4
1996-00	71.6	71.7	71.4	61.9	60.7	66.7
1997-01	71.7	71.8	71.6	62.3	61.1	67.1
1998-02	71.9	71.9	71.7	62.9	61.6	67.6
1999-03	72.5	72.3	73.1	63.4	62.2	68.0
2000-04	73.2	73.1	73.4	63.9	62.7	68.4
2001-05	73.6	73.6	73.6	64.3	63.0	68.6
2002-06	73.9	74	73.8	64.7	63.5	68.9
2003-07	74.1	74.1	74.1	65.0	63.8	69.0
2004-08	74.3	74.4	74.1	65.4	64.2	69.0
2005-09	74.3	74.3	74.2	65.7	64.5	69.2
2006-10	74.2	74.2	74.3	66.1	64.9	69.6
2007-11	74.4	74.4	74.5	66.5	65.3	70.1
2008-12	74.7	74.6	74.8	67.0	65.8	70.6
2009-13	74.8	74.8	75.1	67.5	66.3	71.2
2010-14	74.9	74.9	75.0	67.9	66.7	71.5
2011-15	75.2	75.1	75.4	68.3	67.1	71.9
2012-16	75.1	75.2	74.9	68.7	67.4	72.2
2013-17	75.2	75.3	75.1	69.0	67.7	72.4
2014-18	75.3	75.4	75.1	69.4	68.0	72.6
2015-19	75.2	75.2	75.1	69.7	68.3	73.0
2016-20	75.0	75.2	74.7	70.0	68.6	73.2

Table2.1.1.8 Life Expectancy at Birth by Sex

Year	KERALA			INDIA		
	Male+Female	male	Female	Male+Female	male	Female
1976-80	65.5	63.5	67.6	52.3	52.5	52.1
1981-85	68.4	65.4	71.5	55.4	55.4	55.7
1986-90	69.5	66.8	72.3	57.7	57.7	58.1
1987-91	70.4	67.7	72.9	58.3	58.1	58.6
1988-92	70.9	68.1	73.4	58.7	58.6	59.0
1989-93	72.0	68.8	74.7	59.4	59.0	59.7
1990-94	72.7	69.5	75.3	60.0	59.4	60.4
1991-95	72.9	69.9	75.6	60.3	59.7	60.9
1992-96	73.1	70.2	75.8	60.7	60.1	61.4
1993-97	73.3	70.4	75.9	61.1	60.4	61.4
1994-98	73.4	70.5	76.0	61.4	60.6	62.2
1995-99	71.7	68.8	74.9	61.5	60.8	62.3
1996-00	71.6	68.7	74.7	61.9	61.2	62.7
1997-01	71.7	68.8	74.8	62.3	61.4	63.3
1998-02	71.9	69	74.9	62.9	61.9	64.0
1999-03	72.5	69.7	75.3	63.4	62.3	64.6
2000-04	73.2	70.3	76.1	63.9	62.8	65.2
2001-05	73.6	70.5	76.7	64.3	63.1	65.6
2002-06	73.9	70.9	76.9	64.7	63.5	66.1
2003-07	74.1	71.1	77.0	65.0	63.7	66.5
2004-08	74.3	71.2	77.4	65.4	64.0	66.9
2005-09	74.3	71.3	77.2	65.7	64.3	67.2
2006-10	74.2	71.5	76.9	66.1	64.6	67.7
2007-11	74.4	71.5	77.3	66.5	64.9	68.2
2008-12	74.7	71.6	77.7	67.0	65.4	68.8
2009-13	74.8	71.8	77.8	67.5	65.8	69.3
2010-14	74.9	72	77.8	67.9	66.4	69.6
2011-15	75.2	72.2	78.2	68.3	66.9	70.0
2012-16	75.1	72.2	77.9	68.7	67.4	70.2
2013-17	75.2	72.5	77.8	69.0	67.8	70.4
2014-18	75.3	72.5	77.9	69.4	68.2	70.7
2015-19	75.2	72.3	78.0	69.7	68.4	71.1
2016-20	75.0	71.9	78.0	70.0	68.6	71.4

Major Health Indicators (SRS 2020)					
Sl. No.	Indicators		Kerala	India	
1	Birth Rate 2020	Rural	13.1	21.1	
		Urban	13.3	16.1	
		Total	13.2	19.5	
2	Death Rate 2020	Rural	7.0	6.4	
		Urban	7.1	5.1	
		Total	7.0	6.0	
		Rural	Male	8.1	7.0
			Female	6.0	5.8
		Urban	Male	8.6	5.7
			Female	5.7	4.5
		Total	Male	8.3	6.6
			Female	5.9	5.4
		3	Natural Growth Rate 2020	Rural	6.1
Urban	6.3			11.5	
Total	6.2			13.5	
4	Infant Mortality Rate 2020	Rural	4.0	31.0	
		Urban	9.0	19.0	
		Total	6.0	28.0	
		Rural	Male	6.0	31.0
			Female	2.0	32.0
		Urban	Male	15.0	19.0
			Female	3.0	18.0
		Total	Male	10.0	28.0
			Female	3.0	28.0
		5	Neo Natal Mortality Rate 2020	Rural	3.0
Urban	6.0			12.0	
Total	4.0			20.0	
6	Perinatal Mortality Rate 2020	Rural	6.0	21.0	
		Urban	10.0	12.0	
		Total	8.0	18.0	
7	Child Mortality Rate 2020	Rural	1.1	9.0	
		Urban	2.5	5.3	
		Total	1.8	8.0	
8	Under5 mortality Rate 2020	Rural	5.0	36.0	
		Urban	12.0	21.0	

		Total	8.0	32.0
<b>9</b>	Early Neo-natal Mortality Rate 2020	Rural	2.0	17.0
		Urban	6.0	9.0
		Total	4.0	15
<b>10</b>	Late Neo-natal Mortality Rate 2020	Rural	1.0	6.0
		Urban	0	3.0
		Total	0	5.0
<b>11</b>	Post Neo-natal Mortality Rate 2020	Rural	1.0	8.0
		Urban	3.0	7.0
		Total	2.0	8.0
<b>12</b>	Death Rate 2020			
	(a) Children(0-4)	Rural	1.1	9.0
		Urban	2.5	5.3
		Total	1.8	8.0
	(b) Children(5-14)	Rural	0.4	0.5
		Urban	0.6	0.3
		Total	0.5	0.4
	(c) Children(15-49)	Rural	2.8	3.1
		Urban	2.7	2.4
		Total	2.7	2.9
	(d) persons(60 andabove)	Rural	38.3	45.3
		Urban	39.9	36.3
		Total	39.1	42.3
	(e) Percentage of death receiving medical attention			
		Government	43.3	29.9
		Private	37.4	18.9
		Qualified	16.0	33.2
		Untrained/	3.4	18.0
<b>13</b>	StillBirth Rate 2020	Rural	4.0	4.0
		Urban	4.0	3.0
		Total	4.0	3.0
<b>14</b>	Total Fertility Rate 2020	Rural	1.5	2.2
		Urban	1.5	1.6
		Total	1.5	2.0
<b>15</b>	General Fertility Rate 2020	Rural	45.1	73.7
		Urban	45.4	53.7
		Total	45.3	67.0
<b>16</b>	Total Marital Fertility Rate 2020	Rural	4.6	5.4
		Urban	4.6	4.7
		Total	4.6	5.2

<b>17</b>	Gross Reproduction Rate 2020	Rural	0.7	1.0
		Urban	0.8	0.8
		Total	0.8	0.9
<b>18</b>	Female age at effective marriage Rate2020			
	Below18	Rural	16.4	17.0
		Urban	16.6	-
		Total	16.5	17.0
	18-20	Rural	19.3	19.2
		Urban	19.3	19.3
		Total	19.3	19.2
	21+	Rural	23.8	24.8
		Urban	25.0	25.1
		Total	24.2	25.0
	All	Rural	22.2	23.2
		Urban	23.9	23.6
		Total	22.7	23.4
<b>19</b>	Maternal Mortality Ratio 2018-20		19.0	97.0
<b>20</b>	Expectancy of Life at Birth 2016-20	Male	71.9	68.6
		Female	78.0	71.4
		<b>Total</b>	<b>75.0</b>	<b>70.0</b>
	SRS Bulletin 2020			
	SRS Report 2020			
	Life TableSRS2018-22			
	MMR Bulletin 2018-20			

### 2.1.2 Major Health Indicators (SRS 2020)

SI No	Health Indicators	Kerala	India
1	Birth Rate 2020	13.2	19.5
2	Death Rate 2020	7.0	6.0
	(a)Children(0-4)	1.8	8.0
	(b)Children(5-14)	0.5	0.4
	(c)Children(15-59)	2.7	2.9
	(d)persons(60 andabove)	39.1	42.3
3	Natural Growth Rate 2020	6.2	13.5
4	Infant Mortality Rate 2020	6.0	28.0
5	Neo Natal Mortality Rate 2020	4.0	20.0
6	Peri Natal Mortality Rate2020	8.0	18.0
7	Child Mortality Rate 2020	1.8	8.0
8	Under5 mortality Rate 2020	8.0	32.0
9	Early Neo-natalMortality Rate 2020	4.0	15.0
10	Late Neo-natalMortality Rate 2020	0	5
11	Post Neo-natalMortality Rate 2020	2.0	8.0
12	Still Birth Rate 2020	4.0	3.0
13	Total Fertility Rate 2020	1.5	2.0
14	General Fertility Rate 2020	45.3	67.0
15	Total Marital Fertility Rate 2020	4.6	5.2
16	Gross Reproduction Rate 2020	0.8	0.9
17	Female age ateffective marriageRate2020	22.7	23.4
	Below18	16.5	17.0
	18-20	19.3	19.2
	21+	24.2	25.0
18	Maternal Mortality Ratio 2018-20	19.0	97.0
19	Expectancy of LifeatBirth 2016-20	75.0	70.0



## 2.3 NATIONAL FAMILY HEALTH SURVEY -5



## Kerala - Key Indicators

Indicators	NFHS-5 (2019-20)			NFHS-4 (2015-16)
	Urban	Rural	Total	Total
<b>Maternal and Child Health</b>				
<b>Maternity Care (for last birth in the 5 years before the survey)</b>				
40. Mothers who had an antenatal check-up in the first trimester (%)	93.9	93.3	93.6	95.1
41. Mothers who had at least 4 antenatal care visits (%)	79.3	78.0	78.6	90.1
42. Mothers whose last birth was protected against neonatal tetanus <sup>9</sup> (%)	94.7	95.7	95.2	96.4
43. Mothers who consumed iron folic acid for 100 days or more when they were pregnant (%)	80.5	79.5	80.0	67.1
44. Mothers who consumed iron folic acid for 180 days or more when they were pregnant (%)	66.2	67.7	67.0	47.4
45. Registered pregnancies for which the mother received a Mother and Child Protection (MCP) card (%)	89.9	92.5	91.3	84.2
46. Mothers who received postnatal care from a doctor/nurse/LHV/ANM/midwife/other health personnel within 2 days of delivery (%)	93.1	93.4	93.3	88.7
47. Average out-of-pocket expenditure per delivery in a public health facility (Rs.)	6,602	6,789	6,710	6,901
48. Children born at home who were taken to a health facility for a check-up within 24 hours of birth (%)	*	*	*	*
49. Children who received postnatal care from a doctor/nurse/LHV/ANM/midwife/other health personnel within 2 days of delivery (%)	90.4	92.0	91.2	na
<b>Delivery Care (for births in the 5 years before the survey)</b>				
50. Institutional births (%)	99.7	99.8	99.8	99.8
51. Institutional births in public facility (%)	30.2	37.7	34.1	38.3
52. Home births that were conducted by skilled health personnel <sup>10</sup> (%)	0.1	0.2	0.2	0.1
53. Births attended by skilled health personnel <sup>10</sup> (%)	99.9	100.0	100.0	99.9
54. Births delivered by caesarean section (%)	39.1	38.7	38.9	35.8
55. Births in a private health facility that were delivered by caesarean section (%)	39.4	40.4	39.9	38.6
56. Births in a public health facility that were delivered by caesarean section (%)	38.8	36.1	37.2	31.4
<b>Child Vaccinations and Vitamin A Supplementation</b>				
57. Children age 12-23 months fully vaccinated based on information from either vaccination card or mother's recall <sup>11</sup> (%)	77.6	78.0	77.8	82.1
58. Children age 12-23 months fully vaccinated based on information from vaccination card only <sup>12</sup> (%)	83.3	87.1	85.2	88.3
59. Children age 12-23 months who have received BCG (%)	98.2	97.0	97.6	98.1
60. Children age 12-23 months who have received 3 doses of polio vaccine <sup>13</sup> (%)	85.8	82.5	84.1	88.5
61. Children age 12-23 months who have received 3 doses of penta or DPT vaccine (%)	86.1	84.3	85.2	90.4
62. Children age 12-23 months who have received the first dose of measles-containing vaccine (MCV) (%)	86.4	90.1	88.3	89.4
63. Children age 24-35 months who have received a second dose of measles-containing vaccine (MCV) (%)	16.9	14.2	15.5	na
64. Children age 12-23 months who have received 3 doses of rotavirus vaccine <sup>14</sup> (%)	10.0	9.1	9.5	na
65. Children age 12-23 months who have received 3 doses of penta or hepatitis B vaccine (%)	85.3	80.9	83.0	82.4
66. Children age 9-59 months who received a vitamin A dose in the last 6 months (%)	84.9	83.0	83.9	74.4
67. Children age 12-23 months who received most of their vaccinations in a public health facility (%)	83.9	90.4	87.3	77.6
68. Children age 12-23 months who received most of their vaccinations in a private health facility (%)	16.1	8.7	12.3	22.4
<b>Treatment of Childhood Diseases (children under age 5 years)</b>				
69. Prevalence of diarrhoea in the 2 weeks preceding the survey (%)	4.2	4.3	4.3	3.4
70. Children with diarrhoea in the 2 weeks preceding the survey who received oral rehydration salts (ORS) (%)	(65.9)	56.8	61.1	49.4
71. Children with diarrhoea in the 2 weeks preceding the survey who received zinc (%)	(35.4)	10.6	22.4	14.1
72. Children with diarrhoea in the 2 weeks preceding the survey taken to a health facility or health provider (%)	(90.0)	84.1	86.9	76.3
73. Prevalence of symptoms of acute respiratory infection (ARI) in the 2 weeks preceding the survey (%)	1.9	2.8	2.4	0.8
74. Children with fever or symptoms of ARI in the 2 weeks preceding the survey taken to a health facility or health provider (%)	85.7	86.7	86.2	90.1

<sup>9</sup>Includes mothers with two injections during the pregnancy for their last birth, or two or more injections (the last within 3 years of the last live birth), or three or more injections (the last within 5 years of the last birth), or four or more injections (the last within 10 years of the last live birth), or five or more injections at any time prior to the last birth.

<sup>10</sup>Doctor/nurse/LHV/ANM/midwife/other health personnel.

<sup>11</sup>Vaccinated with BCG, measles-containing vaccine (MCV)/MR/MMR/Measles, and 3 doses each of polio (excluding polio vaccine given at birth) and DPT or penta vaccine.

<sup>12</sup>Among children whose vaccination card was shown to the interviewer, percentage vaccinated with BCG, measles-containing vaccine (MCV)/MR/MMR/Measles, and 3 doses each of polio (excluding polio vaccine given at birth) and DPT or penta vaccine.

<sup>13</sup>Not including polio vaccination given at birth.

<sup>14</sup>Since rotavirus is not being provided across all states and districts, the levels should not be compared.

## Kerala - Key Indicators

Indicators	NFHS-5 (2019-20)			NFHS-4 (2015-16)
	Urban	Rural	Total	Total
<b>Child Feeding Practices and Nutritional Status of Children</b>				
75. Children under age 3 years breastfed within one hour of birth <sup>15</sup> (%)	66.8	66.6	66.7	64.3
76. Children under age 6 months exclusively breastfed <sup>16</sup> (%)	50.3	59.5	55.5	53.3
77. Children age 6-8 months receiving solid or semi-solid food and breastmilk <sup>16</sup> (%)	73.1	69.5	71.3	63.1
78. Breastfeeding children age 6-23 months receiving an adequate diet <sup>16, 17</sup> (%)	22.2	25.0	23.6	21.3
79. Non-breastfeeding children age 6-23 months receiving an adequate diet <sup>16, 17</sup> (%)	(14.3)	(30.0)	22.2	22.3
80. Total children age 6-23 months receiving an adequate diet <sup>16, 17</sup> (%)	21.5	25.4	23.5	21.4
81. Children under 5 years who are stunted (height-for-age) <sup>18</sup> (%)	20.1	26.4	23.4	19.7
82. Children under 5 years who are wasted (weight-for-height) <sup>18</sup> (%)	16.0	15.5	15.8	15.7
83. Children under 5 years who are severely wasted (weight-for-height) <sup>19</sup> (%)	7.0	4.6	5.8	6.5
84. Children under 5 years who are underweight (weight-for-age) <sup>18</sup> (%)	19.4	19.9	19.7	16.1
85. Children under 5 years who are overweight (weight-for-height) <sup>20</sup> (%)	3.8	4.2	4.0	3.4
<b>Nutritional Status of Adults (age 15-49 years)</b>				
86. Women whose Body Mass Index (BMI) is below normal (BMI <18.5 kg/m <sup>2</sup> ) <sup>21</sup> (%)	9.7	10.4	10.1	9.7
87. Men whose Body Mass Index (BMI) is below normal (BMI <18.5 kg/m <sup>2</sup> ) (%)	6.9	12.7	10.0	8.5
88. Women who are overweight or obese (BMI ≥25.0 kg/m <sup>2</sup> ) <sup>21</sup> (%)	40.4	36.0	38.1	32.4
89. Men who are overweight or obese (BMI ≥25.0 kg/m <sup>2</sup> ) (%)	40.1	33.2	36.4	28.5
90. Women who have high risk waist-to-hip ratio (≥0.85) (%)	71.1	70.2	70.7	na
91. Men who have high risk waist-to-hip ratio (≥0.90) (%)	57.2	56.5	56.8	na
<b>Anaemia among Children and Adults</b>				
92. Children age 6-59 months who are anaemic (<11.0 g/dl) <sup>22</sup> (%)	38.9	39.8	39.4	35.7
93. Non-pregnant women age 15-49 years who are anaemic (<12.0 g/dl) <sup>22</sup> (%)	37.0	36.1	36.5	34.7
94. Pregnant women age 15-49 years who are anaemic (<11.0 g/dl) <sup>22</sup> (%)	35.4	27.1	31.4	22.6
95. All women age 15-49 years who are anaemic <sup>22</sup> (%)	37.0	35.8	36.3	34.3
96. All women age 15-19 years who are anaemic <sup>22</sup> (%)	33.6	31.6	32.5	37.8
97. Men age 15-49 years who are anaemic (<13.0 g/dl) <sup>22</sup> (%)	19.5	16.4	17.8	11.8
98. Men age 15-19 years who are anaemic (<13.0 g/dl) <sup>22</sup> (%)	24.0	30.7	27.4	14.3
<b>Blood Sugar Level among Adults (age 15 years and above)</b>				
<b>Women</b>				
99. Blood sugar level - high (141-160 mg/dl) <sup>23</sup> (%)	8.2	8.4	8.3	na
100. Blood sugar level - very high (>160 mg/dl) <sup>23</sup> (%)	13.0	13.1	13.1	na
101. Blood sugar level - high or very high (>140 mg/dl) or taking medicine to control blood sugar level <sup>23</sup> (%)	24.8	24.8	24.8	na
<b>Men</b>				
102. Blood sugar level - high (141-160 mg/dl) <sup>23</sup> (%)	10.1	9.6	9.8	na
103. Blood sugar level - very high (>160 mg/dl) <sup>23</sup> (%)	14.1	13.6	13.8	na
104. Blood sugar level - high or very high (>140 mg/dl) or taking medicine to control blood sugar level <sup>23</sup> (%)	27.4	26.7	27.0	na
<b>Hypertension among Adults (age 15 years and above)</b>				
<b>Women</b>				
105. Mildly elevated blood pressure (Systolic 140-159 mm of Hg and/or Diastolic 90-99 mm of Hg) (%)	15.4	15.5	15.5	na
106. Moderately or severely elevated blood pressure (Systolic ≥160 mm of Hg and/or Diastolic ≥100 mm of Hg) (%)	6.2	7.0	6.6	na
107. Elevated blood pressure (Systolic ≥140 mm of Hg and/or Diastolic ≥90 mm of Hg) or taking medicine to control blood pressure (%)	30.7	31.0	30.9	na
<b>Men</b>				
108. Mildly elevated blood pressure (Systolic 140-159 mm of Hg and/or Diastolic 90-99 mm of Hg) (%)	19.1	19.3	19.2	na
109. Moderately or severely elevated blood pressure (Systolic ≥160 mm of Hg and/or Diastolic ≥100 mm of Hg) (%)	6.0	7.3	6.7	na
110. Elevated blood pressure (Systolic ≥140 mm of Hg and/or Diastolic ≥90 mm of Hg) or taking medicine to control blood pressure (%)	32.6	32.9	32.8	na

<sup>15</sup>Based on the last child born in the 3 years before the survey.

<sup>16</sup>Based on the youngest child living with the mother.

<sup>17</sup>Breastfed children receiving 4 or more food groups and a minimum meal frequency, non-breastfed children fed with a minimum of 3 Infant and Young Child Feeding Practices (fed with other milk or milk products at least twice a day, a minimum meal frequency that is, receiving solid or semi-solid food at least twice a day for breastfed infants 6-8 months and at least three times a day for breastfed children 9-23 months, and solid or semi-solid foods from at least four food groups not including the milk or milk products food group).

<sup>18</sup>Below -2 standard deviations, based on the WHO standard.

<sup>19</sup>Below -3 standard deviations, based on the WHO standard.

<sup>20</sup>Above +2 standard deviations, based on the WHO standard.

<sup>21</sup>Excludes pregnant women and women with a birth in the preceding 2 months.

<sup>22</sup>Haemoglobin in grams per decilitre (g/dl). Among children, prevalence is adjusted for altitude. Among adults, prevalence is adjusted for altitude and for smoking status, if known. As NFHS uses the capillary blood for estimation of anaemia, the results of NFHS-5 need not be compared with other surveys using venous blood.

<sup>23</sup>Random blood sugar measurement.

75<sup>th</sup> ROUND SAMPLE SURVEY ( JULY2017- JUNE2018 )**2.4.1.KEY INDICATORS OF SOCIAL CONSUMPTION IN INDIA : HEALTH**

sl no	Indicator	75th round NSS- July 2017-June 2018								
		India								
		Rural			Urban			Rural + Urban		
		M	F	T	M	F	T	M	F	T
1	Percentage of Persons that Responded as Ailing (PPRA) during a 15 day period	6.1	7.6	6.8	8.2	10	9.1	6.7	8.3	7.5
2	Number per 1000 of persons treated as in patient during last 365 days	26	27	26	34	35	34	28	29	29
3	Percentage of Govt hospitalisation (excluding childbirth) cases			45.7			35.3			42
4	percentage of ailments treated by govt hospitals in OP			32.5			26.2			30.1
5	Average medical expenditure per hospitalization in govt hospitals (excliding child birth)			4290			4837			4452
6	Average medical expenditure per hospitalization in private hospitals (excliding child birth)			27347			38822			31845
	Average medical expenditure per hospitalization in hospitals (excliding child birth)			16676			26475			20135
8	Average medical expenditure per spell of ailment in op clinic	621	567	592	711	710	710	655	621	636

sl no	Indicator	75th round NSS- July 2017-june 2018								
		KERALA								
		Rural			Urban			Rural + Urban		
		M	F	T	M	F	T	M	F	T
1	Percentage of Persons that Responded as Ailing (PPRA) during a 15 day period	24.1	26.7	25.4	20.7	25.7	23.4	22.6	26.3	24.5
2	Number per 1000 of persons treated as in patient during last 365 days	114	113	114	106	85	95	110	100	105
3	Percentage of Govt hospitalisation (excluding childbirth) cases			40			35.8			38.3
4	percentage of ailments treated by govt hospitals in OP			51.8			41.7			47.5
5	Average medical expenditure per hospitalization in govt hospitals (excliding child birth)			4395			4589			4469
6	Average medical expenditure per hospitalization in private hospitals (excliding child birth)			25949			32746			28775
7	Average medical expenditure per hospitalization in hospitals (excliding child birth)			17054			22123			19109
8	Average medical expenditure per spell of ailment in op clinic	467	402	432	664	466	545	545	431	480



### 3. HEALTH INDICATORS BASED ON REPORTS OF HEALTH INFORMATION CELLS IN DHS



# Health Infrastructure



Table3.1.1 Number of Modern Medicine Institutions under DHS 2022-23

SL NO	Name of District	GH	DH	W&C	TH	THQH	CHC		PHC				DTBC	Specialty					Others			CHC to FHC	GRAND TOTAL		
							CHC	CHC Converted to FHC	PHC Converted to FHC	24x7 PHC Converted to FHC	24x7 PHC	PHC		LEP	MHC	TBC	W&C	Specialty (Others)	Mobile Unit	General Dispensary	Health Clinic			PHC	
1	TVM	2	2	1	5	3	20	2	66	4	0	0	1	0	1	1	1	1	1	1	5	2	118	487	605
2	KLM	0	1	1	4	5	12	4	52	6	0	0	1	0	0	1	0	0	0	1	0	0	88	421	509
3	PTA	2	1	0	0	4	7	5	37	5	0	1	1	0	0	0	0	0	0	0	1	0	64	261	325
4	ALP	1	2	1	2	4	15	1	44	17	0	0	1	1	0	1	0	0	0	0	0	0	90	366	456
5	KTM	4	0	1	0	3	13	7	43	12	0	0	1	0	0	0	0	1	0	0	0	0	85	333	418
6	IDK	0	2	0	1	3	8	5	31	9	0	1	1	0	0	0	0	0	0	2	0	0	63	309	372
7	EKM	2	1	1	6	5	21	2	42	33	0	0	1	0	0	0	0	0	0	0	1	0	115	410	525
8	TSR	2	1	0	3	3	22	2	68	11	0	0	1	1	1	0	0	0	0	0	3	0	118	471	589
9	PKD	0	1	1	1	5	16	3	64	12	0	0	1	0	0	0	0	1	2	6	1	114	504	618	
10	MLP	1	3	1	3	4	16	5	65	18	1	0	1	0	0	1	0	0	1	5	0	125	589	714	
11	KKD	1	1	1	6	1	15	1	58	5	1	0	1	1	1	0	0	0	0	0	0	0	93	401	494
12	WYD	1	1	0	0	2	7	2	14	9	0	0	1	0	0	0	0	0	8	0	0	45	200	245	
13	KNR	1	1	1	8	1	8	2	74	6	0	0	1	0	0	0	0	2	4	2	0	111	416	527	
14	KSD	1	1	1	1	4	6	0	30	9	1	0	1	0	0	0	0	1	1	2	0	59	247	306	
<b>Total</b>		<b>18</b>	<b>18</b>	<b>10</b>	<b>40</b>	<b>47</b>	<b>186</b>	<b>41</b>	<b>688</b>	<b>156</b>	<b>3</b>	<b>2</b>	<b>14</b>	<b>3</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>6</b>	<b>19</b>	<b>26</b>	<b>3</b>	<b>1288</b>	<b>5415</b>	<b>6703</b>	



Table3.1.2 Number of Institutions selected or converted as Family Health Centers 2022-2023

SL NO	DISTRICT	CHCs CONVERTED TO FHC	24X7 PHCs CONVERTED AS FHC	PHCs CONVERTED AS FHC	TOTAL
1	TVM	2	4	66	72
2	KLM	4	6	52	62
3	PTA	5	5	37	47
4	ALP	1	17	44	62
5	KTM	7	12	43	62
6	IDK	5	9	31	45
7	EKM	2	33	42	77
8	TSR	2	11	68	81
9	PKD	3	12	64	79
10	MLP	5	18	65	88
11	KKD	1	5	58	64
12	WYD	2	9	14	25
13	KNR	2	6	74	82
14	KSD	0	9	30	39
15	KERALA	41	156	688	885

**Table3.1.3Number of other institutions under DHS 2022-2023**

Sl no	District	School of Nursing	Training Centres	Government Public Lab	DVC Unit	OTHERS(DHS,DMOH, Offset Press)	Total
1	TVM	1	4	1	1	3	10
2	KLM	2	0	1	1	1	5
3	PTA	1	0	1	1	1	4
4	ALP	1	0	1	1	1	4
5	KTM	1	1	0	1	1	4
6	IDK	1	0	0	1	1	3
7	EKM	1	0	1	1	1	4
8	TSR	1	0	0	1	1	3
9	PKD	1	1	0	1	1	4
10	MLP	1	0	1	1	1	4
11	KKD	1	2	1	1	1	6
12	WYD	1	0	1	1	1	4
13	KNR	1	0	1	1	1	4
14	KSD	1	1	0	1	1	4
15	KERALA	15	9	9	14	16	63

**Table 3.14 Beds strength in the institutions under DHS by the type of institution 2022-23**

Sl.No.	District	Number of institutions	Number of Beds (Sanctioned)
1	TVM	118	4718
2	KLM	88	2320
3	PTA	64	1957
4	ALP	90	3424
5	KTM	85	2823
6	IDK	63	1132
7	EKM	115	4518
8	TSR	118	3477
9	PKD	114	2773
10	MLP	125	2604
11	KKD	93	2825
12	WYD	45	1367
13	KNR	111	2948
14	KSD	59	1639
15	KERALA	1288	38525

**Table3.1.5 Bed strength in the District Hospitals 2022-2023**

SL NO	DISTRICT	RURAL		URBAN		TOTAL	
		Number of institutions	Bed strength	Number of institutions	Bed strength	Number of institutions	Bed strength
1	TVM	0	0	2	562	2	562
2	KLM	0	0	1	537	1	537
3	PTA	1	234	0	0	1	234
4	ALP	0	0	2	487	2	487
5	KTM	0	0	0	0	0	0
6	IDK	1	130	1	144	2	274
7	EKM	0	0	1	217	1	217
8	TSR	0	0	1	117	1	117
9	PKD	0	0	1	544	1	544
10	MLP	0	0	3	483	3	483
11	KKD	0	0	1	210	1	210
12	WYD	0	0	1	500	1	500
13	KNR	0	0	1	616	1	616
14	KSD	0	0	1	400	1	400
15	KERALA	2	364	16	4817	18	5181

Sanctioned number of beds is given as bed strength

**Table3.1.6 Bed strength in the General Hospitals 2022-2023**

SL NO	DISTRICT	RURAL		URBAN		TOTAL	
		Number of institutions	Bed strength	Number of institutions	Bed strength	Number of institutions	Bed strength
1	TVM	0	0	2	1205	2	1205
2	KLM	0	0	0	0	0	0
3	PTA	0	0	2	714	2	714
4	ALP	0	0	1	400	1	400
5	KTM	1	142	3	922	4	1064
6	IDK	0	0	0	0	0	0
7	EKM	0	0	2	1049	2	1049
8	TSR	0	0	2	456	2	456
9	PKD	0	0	0	0	0	0
10	MLP	0	0	1	501	1	501
11	KKD	0	0	1	550	1	550
12	WYD	0	0	1	250	1	250
13	KNR	0	0	1	541	1	541
14	KSD	0	0	1	212	1	212
15	KERALA	1	142	17	6800	18	6942

**Table3.1.7 Bed strength in the Taluk Head Quarters Hospital 2022-2023**

SL NO	DISTRICT	RURAL		URBAN		TOTAL	
		Number of institutions	Bed strength	Number of institutions	Bed strength	Number of institutions	Bed strength
1	TVM	3	420	0	0	3	420
2	KLM	2	152	3	551	5	703
3	PTA	3	258	1	173	4	431
4	ALP	1	106	3	526	4	632
5	KTM	2	279	1	272	3	551
6	IDK	3	260	0	0	3	260
7	EKM	0	0	5	930	5	930
8	TSR	0	0	3	460	3	460
9	PKD	1	154	4	484	5	638
10	MLP	0	0	4	422	4	422
11	KKD	0	0	1	159	1	159
12	WYD	1	129	1	57	2	186
13	KNR	0	0	1	171	1	171
14	KSD	3	95	1	42	4	137
15	KERALA	19	1853	28	4247	47	6100

**Table3.1.8 Bed strength in the Taluk Hospitals 2022-23**

SL NO	DISTRICT	RURAL		URBAN		TOTAL	
		Number of institutions	Bed strength	Number of institutions	Bed strength	Number of institutions	Bed strength
1	TVM	1	65	4	261	5	326
2	KLM	3	203	1	66	4	269
3	PTA	0	0	0	0	0	0
4	ALP	2	42	0	0	2	42
5	KTM	0	0	0	0	0	0
6	IDK	0	0	1	30	1	30
7	EKM	2	119	4	404	6	523
8	TSR	2	107	1	124	3	231
9	PKD	1	34	0	0	1	34
10	MLP	3	99	0	0	3	99
11	KKD	5	394	1	24	6	418
12	WYD	0	0	0	0	0	0
13	KNR	4	172	4	401	8	573
14	KSD	1	42	0	0	1	42
15	KERALA	24	1277	16	1310	40	2587

Table3.1.9 Bed strength in the Community Health Centers 2022-23

SL NO	DISTRICT	RURAL		URBAN		TOTAL	
		Number of institutions	Bed strength	Number of institutions	Bed strength	Number of institutions	Bed strength
1	TVM	19	456	1	39	20	475
2	KLM	11	267	1	16	12	283
3	PTA	7	170	0	0	7	173
4	ALP	15	398	0	0	15	398
5	KTM	13	412	0	0	13	412
6	IDK	8	176	0	0	8	172
7	EKM	20	627	1	90	21	717
8	TSR	21	754	1	18	22	774
9	PKD	14	486	2	77	16	563
10	MLP	14	322	2	64	16	386
11	KKD	11	200	4	83	15	283
12	WYD	7	209	0	0	7	209
13	KNR	7	236	1	24	8	261
14	KSD	6	140	0	0	6	140
15	KERALA	173	4853	13	411	186	5264

Table3.1.10 Bed strength in the 24x7 Primary Health Centers 2022-23

SL NO	DISTRICT	RURAL		URBAN		TOTAL	
		Number of institutions	Bed strength	Number of institutions	Bed strength	Number of institutions	Bed strength
1	TVM	0	0	0	0	0	0
2	KLM	0	0	0	0	0	0
3	PTA	0	0	0	0	0	0
4	ALP	0	0	0	0	0	0
5	KTM	0	0	0	0	0	0
6	IDK	0	0	0	0	0	0
7	EKM	0	0	0	0	0	0
8	TSR	0	0	0	0	0	0
9	PKD	0	0	0	0	0	0
10	MLP	1	10	0	0	1	10
11	KKD	1	16	0	0	1	16
12	WYD	0	0	0	0	0	0
13	KNR	0	0	0	0	0	0
14	KSD	1	24	0	0	1	24
15	KERALA	3	50	0	0	3	50

**Table3.1.11 Bed strength in the Primary Health Centers 2022-23**

SL NO	DISTRICT	RURAL		URBAN		TOTAL	
		Number of institutions	Bed strength	Number of institutions	Bed strength	Number of institutions	Bed strength
1	TVM	0	0	0	0	0	0
2	KLM	1	0	0	0	1	0
3	PTA	1	24	0	0	1	24
4	ALP	0	0	0	0	0	0
5	KTM	0	0	0	0	0	0
6	IDK	0	0	0	0	0	0
7	EKM	0	0	0	0	0	0
8	TSR	0	0	0	0	0	0
9	PKD	0	0	0	0	0	0
10	MLP	0	0	0	0	0	0
11	KKD	0	0	0	0	0	0
12	WYD	0	0	0	0	0	0
13	KNR	0	0	0	0	0	0
14	KSD	0	0	0	0	0	0
15	KERALA	2	24	0	0	2	24

**Table3.1.12 Bed strength in the modern medicine institutions selected or converted as FHC's 2022-23**

SL NO	DISTRICT	RURAL		URBAN		TOTAL	
		Number of institutions	Bed strength	Number of institutions	Bed strength	Number of institutions	Bed strength
1	TVM	59	121	13	32	72	153
2	KLM	57	193	5	12	62	205
3	PTA	45	384	2	0	47	384
4	ALP	61	330	1	24	62	354
5	KTM	59	598	3	48	62	646
6	IDK	45	392	0	0	45	392
7	EKM	67	868	10	82	77	950
8	TSR	70	420	11	0	81	420
9	PKD	78	680	1	0	79	680
10	MLP	83	440	5	40	88	480
11	KKD	57	128	7	30	64	158
12	WYD	23	222	2	0	25	222
13	KNR	71	537	11	24	82	561
14	KSD	38	144	1	0	39	144
15	KERALA	813	5457	72	292	885	5749

Table3.1.13 Bed strength in the District TB centers 2022-23

SL NO	DISTRICT	RURAL		URBAN		TOTAL	
		Number of institutions	Bed strength	Number of institutions	Bed strength	Number of institutions	Bed strength
1	TVM	0	0	1	0	1	0
2	KLM	0	0	1	0	1	0
3	PTA	1	0	0	0	1	0
4	ALP	0	0	1	24	1	24
5	KTM	0	0	1	0	1	0
6	IDK	1	0	0	0	1	0
7	EKM	0	0	1	0	1	0
8	TSR	0	0	1	0	1	0
9	PKD	0	0	1	0	1	0
10	MLP	0	0	1	0	1	0
11	KKD	0	0	1	0	1	0
12	WYD	0	0	1	0	1	0
13	KNR	0	0	1	0	1	0
14	KSD	0	0	1	0	1	0
15	KERALA	2	0	12	24	14	24

Table3.1.14 Bed strength in the Dispensaries/Health clinics under DHS 2022-23

SL NO	DISTRICT	RURAL		URBAN		TOTAL	
		Number of institutions	Bed strength	Number of institutions	Bed strength	Number of institutions	Bed strength
1	TVM	1	0	6	46	7	46
2	KLM	0	0	1	0	1	0
3	PTA	1	0	0	0	1	0
4	ALP	0	0	0	0	0	0
5	KTM	0	0	0	0	0	0
6	IDK	0	0	0	0	0	0
7	EKM	0	0	1	0	1	0
8	TSR	2	0	1	0	3	0
9	PKD	7	10	0	0	7	10
10	MLP	4	0	1	36	5	36
11	KKD	0	0	0	0	0	0
12	WYD	0	0	0	0	0	0
13	KNR	2	46	0	0	2	46
14	KSD	1	0	1	0	2	0
15	KERALA	18	56	11	82	29	138

**Table3.1.15 Bed strength in the W & C Hospitals 2022-2023**

SL NO	DISTRICT	RURAL		URBAN		TOTAL	
		Number of institutions	Bed strength	Number of institutions	Bed strength	Number of institutions	Bed strength
1	TVM	0	0	1	428	1	428
2	KLM	0	0	1	273	1	273
3	PTA	0	0	0	0	0	0
4	ALP	0	0	1	308	1	308
5	KTM	0	0	1	0	1	0
6	IDK	0	0	0	0	0	0
7	EKM	0	0	1	132	1	132
8	TSR	0	0	0	0	0	0
9	PKD	0	0	1	250	1	250
10	MLP	0	0	1	135	1	135
11	KKD	0	0	1	295	1	295
12	WYD	0	0	0	0	0	0
13	KNR	0	0	1	100	1	100
14	KSD	0	0	1	0	1	0
15	KERALA	<b>0</b>	<b>0</b>	<b>10</b>	<b>1921</b>	<b>10</b>	<b>1921</b>

**Table3.1.16 Bed strength in the Mental Health centers 2022-23**

SL NO	DISTRICT	RURAL		URBAN		TOTAL	
		Number of institutions	Bed strength	Number of institutions	Bed strength	Number of institutions	Bed strength
1	TVM	0	0	1	531	1	531
2	KLM	0	0	0	0	0	0
3	PTA	0	0	0	0	0	0
4	ALP	0	0	0	0	0	0
5	KTM	0	0	0	0	0	0
6	IDK	0	0	0	0	0	0
7	EKM	0	0	0	0	0	0
8	TSR	0	0	1	361	1	361
9	PKD	0	0	0	0	0	0
10	MLP	0	0	0	0	0	0
11	KKD	0	0	1	474	1	474
12	WYD	0	0	0	0	0	0
13	KNR	0	0	0	0	0	0
14	KSD	0	0	0	0	0	0
15	KERALA	<b>0</b>	<b>0</b>	<b>3</b>	<b>1366</b>	<b>3</b>	<b>1366</b>



Table3.1.17 Bed strength in the TB Hospitals under DHS 2022-23

SL NO	DISTRICT	RURAL		URBAN		TOTAL	
		Number of institutions	Bed strength	Number of institutions	Bed strength	Number of institutions	Bed strength
1	TVM	0	0	1	508	1	508
2	KLM	0	0	1	50	1	50
3	PTA	0	0	0	0	0	0
4	ALP	1	12	0	0	1	12
5	KTM	0	0	0	0	0	0
6	IDK	0	0	0	0	0	0
7	EKM	0	0	0	0	0	0
8	TSR	0	0	0	0	0	0
9	PKD	0	0	0	0	0	0
10	MLP	0	0	1	52	1	52
11	KKD	0	0	0	0	0	0
12	WYD	0	0	0	0	0	0
13	KNR	0	0	0	0	0	0
14	KSD	0	0	0	0	0	0
15	KERALA	1	12	2	610	4	622

Table3.1.18 Bed strength in the Leprosy Hospitals under DHS 2022-23

SL NO	DISTRICT	RURAL		URBAN		TOTAL	
		Number of institutions	Bed strength	Number of institutions	Bed strength	Number of institutions	Bed strength
1	TVM	0	0	0	0	0	0
2	KLM	0	0	0	0	0	0
3	PTA	0	0	0	0	0	0
4	ALP	1	767	0	0	1	767
5	KTM	0	0	0	0	0	0
6	IDK	0	0	0	0	0	0
7	EKM	0	0	0	0	0	0
8	TSR	1	660	0	0	1	660
9	PKD	0	0	0	0	0	0
10	MLP	0	0	0	0	0	0
11	KKD	0	0	1	262	1	262
12	WYD	0	0	0	0	0	0
13	KNR	0	0	0	0	0	0
14	KSD	0	0	0	0	0	0
15	KERALA	2	1427	1	262	3	1689

Table3.1.19 Bed strength in the other specialty Hospitals under DHS 2022-23

SL NO	DISTRICT	RURAL		URBAN		TOTAL	
		Number of institutions	Bed strength	Number of institutions	Bed strength	Number of institutions	Bed strength
1	TVM	0	0	2	44	1	44
2	KLM	0	0	0	0	0	0
3	PTA	0	0	0	0	0	0
4	ALP	0	0	0	0	0	0
5	KTM	1	150	0	0	1	150
6	IDK	0	0	0	0	0	0
7	EKM	0	0	0	0	0	0
8	TSR	0	0	0	0	0	0
9	PKD	1	54	0	0	1	54
10	MLP	0	0	0	0	0	0
11	KKD	0	0	0	0	0	0

**Total sanctioned bed**

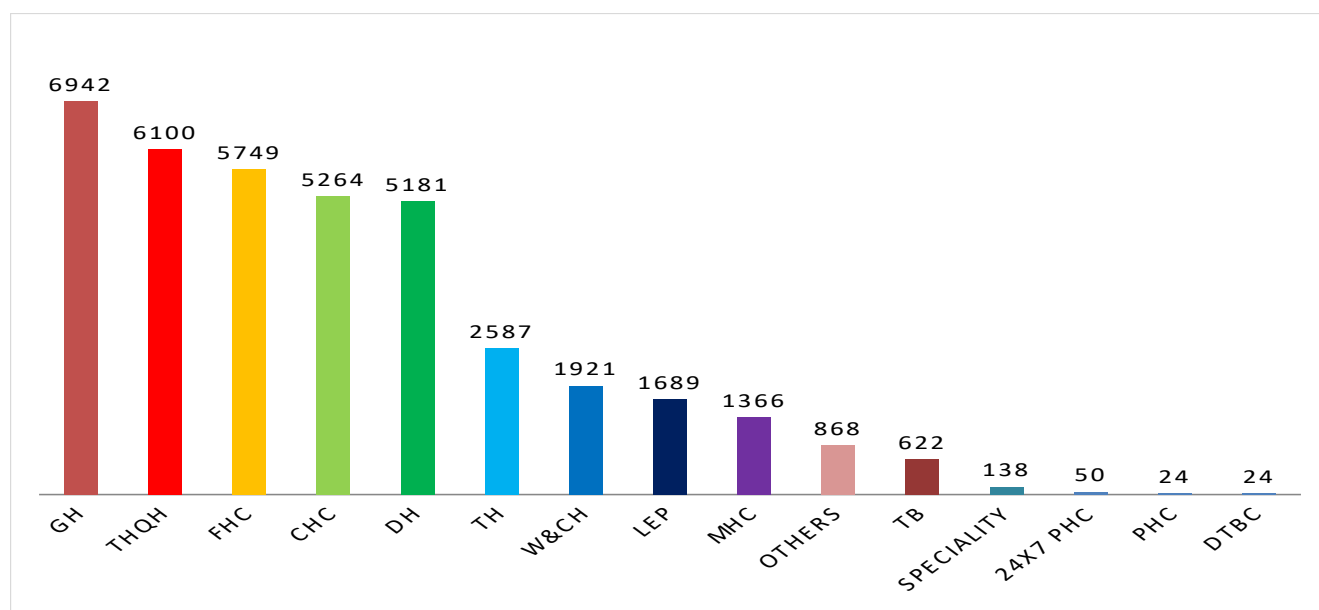


Table3.1.20 Bed Population Ratio in the institutions under DHS 2022-23

SL NO	DISTRICT	Population (Census 2011)	No. of Beds	Ratio
1	TVM	3301427	4718	1:700
2	KLM	2635375	2320	1:1136
3	PTA	1197412	1957	1:612
4	ALP	2127789	3424	1:621
5	KTM	1974551	2823	1:699
6	IDK	1108974	1132	1:980
7	EKM	3282388	4518	1:727
8	TSR	3121200	3477	1:898
9	PKD	2809934	2773	1:1013
10	MLP	4112920	2604	1:1579
11	KKD	3086293	2825	1:1092
12	WYD	817420	1367	1:598
13	KNR	2523003	2948	1:856
14	KSD	1307375	1639	1:798
15	KERALA	<b>33406061</b>	<b>38525</b>	<b>1:867</b>

Total Sanctioned Bed

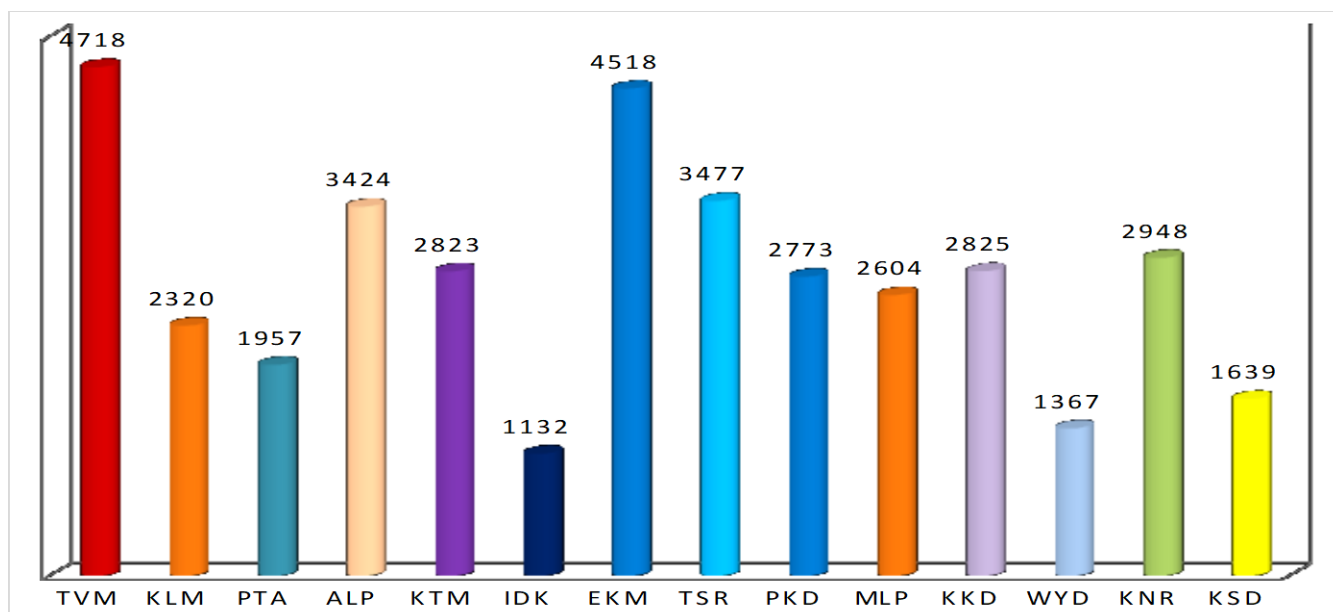


Table 3.1.21 Doctor Bed Ratio in the institutions under DHS 2022-23

SL NO	DISTRICT	No of Doctors	No. of Beds	Ratio
1	TVM	668	4718	1:7
2	KLM	437	2320	1:5
3	PTA	351	1957	1:5
4	ALP	480	3424	1:7
5	KTM	436	2823	1:6
6	IDK	274	1132	1:4
7	EKM	581	4518	1:7
8	TSR	511	3477	1:6
9	PKD	465	2773	1:5
10	MLP	579	2604	1:4
11	KKD	451	2825	1:6
12	WYD	239	1367	1:5
13	KNR	535	2948	1:5
14	KSD	321	1639	1:5
	<b>KERALA</b>	<b>6328</b>	<b>38525</b>	<b>1:6</b>

Table 3.1.22 District wise number of ICU beds and Ventilators in the institutions under DHS as 2023

SL NO	DISTRICT	No.of ICU beds	No. of Ventilators	
			Invasive	Non Invasive
1	TVM	99	24	24
2	KLM	58	12	04
3	PTA	131	78	53
4	ALP	66	29	23
5	KTM	36	11	46
6	IDK	55	18	26
7	EKM	161	94	65
8	TSR	41	22	26
9	PKD	141	66	63
10	MLP	38	21	15
11	KKD	71	19	18
12	WYD	91	40	16
13	KNR	69	62	12
14	KSD	19	35	02
15	<b>KERALA</b>	<b>1076</b>	<b>530</b>	<b>393</b>

Source :line list received from districts

Table3.1.23 District wise number of Blood Banks & Blood storage unit in Kerala 2022-23

Sl.No.	District	Number of Blood Banks		Total	BCSU	BB	TOTAL
		Public	Private				
1	TVM	7	14	21	17	4	21
2	KLM	4	12	16	12	4	16
3	PTA	2	13	15	10	5	15
4	ALP	3	5	8	4	4	8
5	KTM	2	14	16	9	7	16
6	IDK	1	9	10	6	4	10
7	EKM	3	22	25	20	5	25
8	TSR	2	14	16	5	11	16
9	PKD	2	9	11	10	1	11
10	MLP	3	8	11	10	1	11
11	KKD	4	16	20	15	5	20
12	WYD	2	2	4	3	1	4
13	KNR	4	10	14	9	5	14
14	KSD	2	0	2	2	0	2
15	KERALA	41	148	189	132	57	189

Source : Aids control society and MSP section

Table3.1.24 District Wise Number of Delivery Points in Kerala 2022-23

SL No	Distri ct	DH	GH	W&C	GTSH	THQH	TH	CHC	Under DME	Total
1	TVM	2	1	2	0	2	4	0	1	12
2	KLM	0	0	1	0	4	3	0	1	9
3	PTA	1	2	0	0	2	0	0	0	5
4	ALP	2	0	1	0	3	1	0	1	8
5	KTM	0	4	0	0	1	0	0	1	6
6	IDK	2	0	0	0	3	0	0	0	5
7	EKM	1	2	1	0	5	1	0	1	11
8	TSR	1	2	0	0	3	1	0	1	8
9	PKD	0	0	1	1	5	0	0	0	7
10	MLP	3	0	1	0	2	1	0	1	8
11	KKD	1	1	1	0	1	3	0	1	8
12	WYD	1	1	0	0	2	0	1	0	5
13	KNR	1	1	1	0	4	1	0	1	9
14	KSD	1	1	1	0	0	0	0	0	3
15	KER ALA	16	15	10	1	37	15	1	9	104

Source : HMIS

Table3.1.25 District wise number of Delivery point having ultra sound scan &Blood storage unit in Kerala 2022-23

SL NO	DISTRICT	No. of Delivery Points	No. of Delivery points having	
			Total Number of Ultrasound Machine including Portable	Blood Storage Centre,BCSU&BC
1	TVM	12	20	6
2	KLM	9	15	8
3	PTA	5	12	5
4	ALP	8	6	7
5	KTM	6	5	6
6	IDK	5	10	5
7	EKM	11	16	9
8	TSR	8	10	8
9	PKD	7	21	6
10	MLP	8	7	8
11	KKD	8	10	7
12	WYD	5	11	5
13	KNR	9	15	8
14	KSD	3	7	2
15	KERALA	104	165	90

Source : Aids control society and MSP section

Table 3.1.26 Districtwisenumberof institutionshavingfacilities foreyedonation2022-23

Sl.No.	District	Numberofinstitutionshavingfacilitiesforeye Donation		
		Public	Private	Total
1	TVM	1	1	2
2	KLM	1	0	1
3	PTA	1	1	2
4	ALP	1	0	1
5	KTM	1	0	1
6	IDK	0	0	0
7	EKM	0	3	3
8	TSR	1	1	2
9	PKD	0	1	1
10	MLP	0	1	1
11	KKD	1	1	2
12	WND	1	0	1
13	KNR	2	1	3
14	KSD	0	0	0
	<b>KERALA</b>	<b>10</b>	<b>10</b>	<b>20</b>

Table3.1.27 District Wise Number of NewBorn Stabilization Units (NBSU) 2022-23

SINo	District	No ofNBSU						TOTAL
		DH	GH	THQH	W&C	TH	CHC	
1	TVM	2	1	2	2	1	0	8
2	KLM	0	0	3	0	1	0	4
3	PTA	1	2	2	0	0	0	5
4	ALP	2	0	3	0	0	0	5
5	KTM	0	3	1	0	0	0	4
6	IDK	1	0	3	0	0	0	4
7	EKM	1	2	4	1	0	0	8
8	TSR	1	2	3	0	1	0	7
9	PKD	0	0	4	0	0	0	4
10	MLP	3	0	2	1	0	0	6
11	KKD	1	0	0	0	1	0	2
12	WND	0	1	2	0	0	1	4
13	KNR	1	1	1	1	3	0	7
14	KSD	0	0	0	0	0	0	0
15	<b>KERALA</b>	<b>13</b>	<b>12</b>	<b>30</b>	<b>5</b>	<b>7</b>	<b>1</b>	<b>68</b>

Table No.3.1.28 District Wise Number of Special New Born Care Units (SNCU) 2022

SINo	District	No ofSNCU							TOTAL
		DH	GH	THQH	W& C	TH	CHC	Under DME	
1	TVM	0	0	0	1	0	0	1	2
2	KLM	0	0	0	1	0	0	0	1
3	PTA	0	1	0	0	0	0	0	1
4	ALP	0	0	0	1	0	0	1	2
5	KTM	0	1	0	0	0	0	1	2
6	IDK	0	0	0	0	0	0	0	0
7	EKM	0	1	0	0	0	0	1	2
8	TSR	0	1	0	0	0	0	1	2
9	PKD	0	1	0	1	0	0	0	2
10	MLP	0	0	0	0	0	0	1	1
11	KKD	0	0	0	1	0	0	1	2
12	WND	1	0	0	0	0	0	0	1
13	KNR	1	1	0	0	0	0	0	2
14	KSD	0	0	0	0	0	0	0	0
15	KERALA	2	6	0	5	0	0	7	20

3.1.29 District wise number of Health Subcenters by type of Building 2022

SINo	District	NumberofHealthSubcenters				Total
		Owned	Rented	RentFree	Others	
1	TVM	282	70	59	76	487
2	KLM	238	102	57	24	421
3	PTA	149	56	36	19	260
4	ALP	157	142	27	38	364
5	KTM	221	33	35	44	333
6	IDK	223	18	41	27	309
7	EKM	197	17	108	88	410
8	TSR	316	19	53	83	471
9	PKD	456	5	2	41	504
10	MLP	527	23	15	23	592
11	KKD	282	32	27	60	401
12	WND	187	2	1	10	200
13	KNR	269	7	33	107	416
14	KSD	221	4	8	14	247
15	KERALA	3725	530	502	654	5415



Table3.1.30 District wise number of institutions under DHS situated in Tribal Area 2022

SlNo	District	Numberofinstitutions					
		DH &GH&W&C	THQ H &TH	CHC	PHC	HSC	Total
1	TVM	0	1	2	7	17	27
2	KLM	0	1	1	6	13	21
3	PTA	0	0	2	7	17	26
4	ALP	0	0	0	0	0	0
5	KTM	0	0	3	10	31	44
6	IDK	1	2	6	22	58	89
7	EKM	0	0	1	1	6	8
8	TSR	0	0	3	8	24	35
9	PKD	0	0	1	15	73	89
10	MLP	1	2	4	20	62	89
11	KKD	0	0	2	15	44	61
12	WND	2	2	7	25	189	225
13	KNR	0	0	0	0	74	74
14	KSD	0	2	1	20	40	63
15	KERALA	4	10	33	156	648	851

Table3.1.31 District wise number of institutions under DHS situated in Coastal Area 2022

SlNo	District	Numberofinstitutions					
		DH &GH&W&C	THQH &TH	CHC	PHC	HSC	Total
1	TVM	0	1	6	9	37	53
2	KLM	0	1	2	7	24	34
3	PTA	0	0	0	0	0	0
4	ALP	1	1	3	18	61	84
5	KTM	0	0	0	0	0	0
6	IDK	0	0	0	0	0	0
7	EKM	1	4	6	16	106	133
8	TSR	0	1	4	14	45	64
9	PKD	0	0	0	2	2	4
10	MLP	2	2	6	17	50	77
11	KKD	0	0	1	9	36	46
12	WND	0	0	0	0	0	0
13	KNR	2	1	1	13	25	42
14	KSD	2	3	0	10	24	39
15	KERALA	8	14	29	115	410	576



**Table 3.1.32 AMBULANCE (ONROAD) Status wise Abstract as On2023**

	District	Advance Life Support	Basic Life Support	Patient Transport	Total
1	TVM	6	48	3	57
2	KLM	3	35	0	38
3	PTA	1	16	35	52
4	ALP	3	7	23	33
5	KTM	1	1	26	28
6	IDK	2	11	10	23
7	EKM	3	8	30	41
8	TSR	1	1	28	30
9	PKD	2	29	1	32
10	MLP	1	5	15	21
11	KKD	1	2	33	36
12	WND	1	1	33	35
13	KNR	2	2	32	36
14	KSD	0	4	10	14
	<b>KERALA</b>	<b>27</b>	<b>170</b>	<b>279</b>	<b>476</b>

Source : line list received from Districtwise(HT section)

**Table 3.1.33 Institutional wise vehicle details 2023**

SI No	District	DHS	DMO	GH	DH	THQH	TH	CHC	PHC	24X7 PHC	FHC	DTB C	Others	SPECIALITY HOSPITAL					SUB CENTRE	Total
														W&CH	MHC	TB	LEP	SPECIALITY (OTHERS)		
1	TVM	0	4	10	5	14	5	17	54	1	0	0	1	2	2	1	0	3	0	119
2	KLM	0	6	0	6	11	8	9	11	1	0	0	6	1	0	0	0	1	0	60
3	PTA	0	5	13	4	12	0	12	2	0	22	2	0	0	0	0	0	0	0	72
4	ALP	0	5	4	6	5	6	6	0	0	3	1	3	2	0	0	1	0	0	42
5	KTM	0	6	13	0	5	0	7	3	0	1	5	5	0	0	0	0	0	0	45
6	IDK	0	7	0	3	5	2	8	1	0	13	4	1	0	0	0	0	0	0	44
7	EKM	0	16	25	5	25	0	30	12	0	4	1+5	3	2	0	0	0	0	0	128
8	TSR	0	5	6	2	0	3	11	0	0	9	5	1	0	1	0	0	0	0	53
9	PKD	0	7	0	9	12	0	9	0	0	11	1	3	2	0	0	0	6	0	60
10	MLP	0	2	1	7	4	3	5	2	0	5	7	2	0	0	0	0	2	0	40
11	KKD	0	5	4	3	4	7	6	1	1	26	2	0	5	3	1	0	0	0	68
12	WND	0	6	5	11	4	4	8	9	0	11	2	3	0	0	0	0	0	0	63
13	KNR	0	23	8	12	4	24	23	5	0	4	11	10	3	0	0	0	2	0	129
14	KSD	0	6	4	4	8	0	3	0	0	4	2	2	0	0	0	0	0	0	33
	<b>KERALA</b>	0	83	93	77	113	62	154	100	3	113	42	40	17	6	2	1	14	0	956

Source : line list received from Districtwise (HT section)

Table 3.1.34 INSTITUTION WISE VEHICLES DETAIL - ON ROAD As On 2023

SI No	District	DMO	GH	DH	THQH	TH	CHC	PHC	24X7 PHC	FHC	DTB C	Others	SPECIALITY HOSPITAL					SUB CENTRE	Total
													W&CH	MHC	TB	LEP	SPECIALITY (OTHERS)		
1	TVM	4	10	5	14	5	17	54	1	0	0	1	2	2	1	0	3	0	119
2	KLM	6	0	5	10	8	9	10	1	0	0	6	1	0	0	0	1	0	57
3	PTA	5	6	4	11	0	11	2	0	22	2	0	0	0	0	0	0	0	63
4	ALP	31	8	11	11	10	16	0	0	7	6	7	4	0	0	2	0	0	113
5	KTM	6	13	0	5	0	7	3	0	1	5	5	0	0	0	0	0	0	45
6	IDK	7	0	4	5	2	8	1	0	13	4	0	0	0	0	0	0	0	44
7	EKM	5	18	5	17	0	11	8	0	4	5	1	1	0	0	0	0	0	75
8	TSR	3	6	2	10	3	11	0	0	9	5	1	0	1	0	0	0	0	51
9	PKD	7	0	9	11	0	9	0	0	11	1	3	2	0	0	0	5	0	58
10	MLP	2	1	7	4	3	5	2	0	5	7	2	0	0	0	0	2	0	40
11	KKD	5	4	3	3	7	6	1	1	26	1	0	5	3	1	0	0	0	66
12	WND	6	4	7	3	4	8	9	0	11	2	2	0	0	0	0	0	0	56
13	KNR	3	5	8	2	20	10	4	0	3	5	2	0	2	0	0	0	0	64
14	KSD	6	3	3	8	0	3	0	0	4	1	2	0	0	0	0	0	0	30
	KERALA	96	78	73	114	62	131	94	3	116	44	32	15	8	2	2	11	0	881

Source : line list received from Districtwise (HT section)

Table 3.1.35 VEHICLE TYPE WISE VEHICLES DETAIL As On : 31-03-2023

SI No	District	Ambulance	Car	Jeep	Two Wheeler	Bus	Van	Mini Van	Mini Bus	Auto Rickshaw	Spacio	GOODS CARRIER				Total
												Insulated Van	Delivery Van	Lorry	Truck	
1	TVM	100	3	1	1	0	2	8	0	0	3	1	0	0	0	119
2	KLM	40	3	0	0	2	2	2	3	0	7	1	0	0	0	60
3	PTA	63	2	0	2	0	0	0	1	0	2	1	1	0	0	72
4	ALP	66	1	14	9	0	0	0	12	0	8	1	0	2	0	113
5	KTM	28	2	2	5	0	4	0	1	0	1	1	1	0	0	45
6	IDK	37	3	20	8	1	0	1	6	10	8	1	0	2	0	97
7	EKM	54	2	11	5	0	8	19	13	0	13	2	0	0	0	127
8	TSR	30	1	9	5	0	0	1	0	1	4	1	1	0	0	53
9	PKD	32	1	4	6	2	6	0	0	0	9	0	0	0	0	60
10	MLP	21	2	1	7	1	1	0	0	0	4	0	3	0	0	40
11	KKD	42	2	3	2	1	0	10	0	1	6	1	0	0	0	68
12	WND	35	2	18	2	0	0	3	0	0	1	2	0	0	0	63
13	KNR	51	4	22	10	0	8	0	12	0	17	3	0	1	1	129
14	KSD	14	1	8	2	0	2	0	1	0	4	1	0	0	0	33
	KERALA	592	29	113	64	7	33	44	49	12	87	16	6	5	1	1079

Source : line list received from Districtwise (HT section)

Table 3.1.36 VEHICLE TYPE WISE VEHICLES DETAIL - ON ROAD As On : 31-03-2023

Sl No	District	Ambulance	Car	Jeep	Two Wheeler	Bus	Van	Mini Van	Mini Bus	Auto Rickshaw	Spacio	GOODS CARRIER				Total
												Insulated Van	Delivery Van	Lorry	Truck	
1	TVM	100	3	1	1	0	2	8	0	0	3	1	0	0	0	119
2	KLM	38	2	0	0	2	2	2	3	0	7	1	0	0	0	57
3	PTA	52	2	0	2	0	0	0	1	0	2	1	1	0	0	61
4	ALP	66	1	14	9	0	0	0	12	0	8	1	0	2	0	113
5	KTM	28	2	2	5	0	4	0	1	0	1	1	1	0	0	45
6	IDK	26	1	10	4	0	0	1	0	0	1	1	0	0	0	44
7	EKM	41	2	0	5	0	4	16	1	0	5	1	0	0	0	75
8	TSR	30	1	9	5	0	0	1	0	1	2	1	1	0	0	51
9	PKD	29	1	4	6	2	6	0	0	0	9	0	0	0	0	57
10	MLP	21	2	1	7	1	1	0	0	0	4	0	3	0	0	40
11	KKD	41	2	3	1	1	0	10	0	1	6	1	0	0	0	66
12	WND	29	2	20	2	0	1	0	0	0	1	2	0	0	0	57
13	KNR	36	3	3	5	0	6	0	0	0	10	1	0	0	0	64
14	KSD	12	1	8	1	0	2	0	1	0	4	1	0	0	0	30
	KERALA	549	25	75	53	6	28	38	19	2	63	13	6	2	0	879

Source : line list received from Districtwise (HT section)

### 3.2 HUMAN RESOURCES

Table 3.2.1 Details of Medical and Paramedical Staff in Department of Health Services as on 31.03.2023

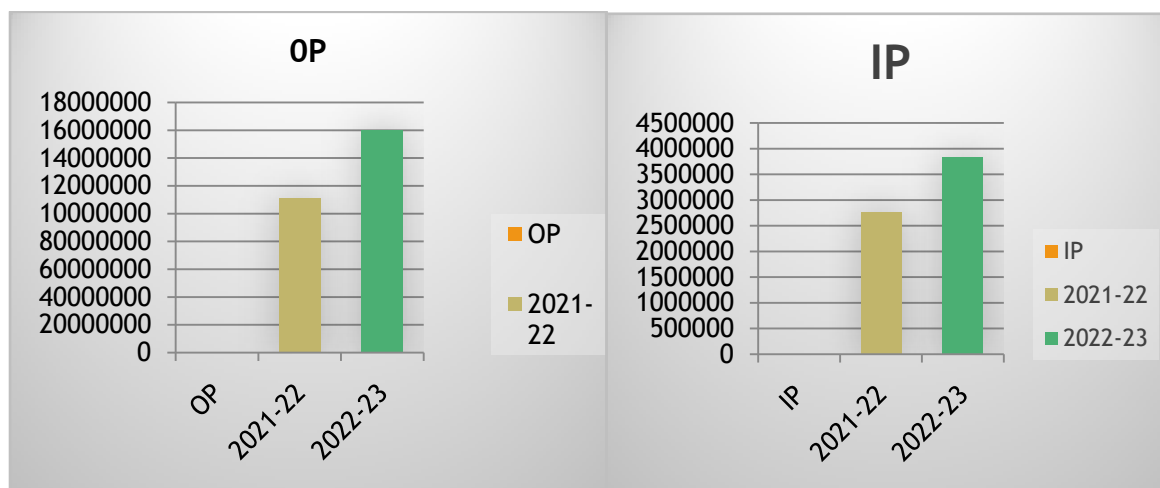
Sl. No	Category	No. of Posts
<b>I.</b>	<b>Medical</b>	
1	Director of Health Services	1
2	Addl Director of Health Services / Director PH Lab	13
3	DD/District Medical Officer/Superintendent	52
4	DY.DHS Dental	1
5	Assistant Director/DY.DMO/Superintendent/RCH Officer	175
6	Jr. Administrative Medical Officer / District TB Officer	30
7	Chief Consultant	20
8	Senior Consultant	67
9	Medical Consultant	713
10	Junior Medical Consultant	1384
11	Civil Surgeon	230
12	Dental Civil Surgeon	15
13	Assistant Surgeon	2959
14	Dental Assistant Surgeon	121
15	Casualty Medical Officer(Assistant Surgeon)	571
16	State Nutrition officer	1
	<b>Total (Medical)</b>	<b>6353</b>
<b>II.</b>	<b>Paramedical</b>	
1	Staff Nurse	7313
2	Head Nurse	1518
3	Health Supervisor	173
4	Public Health Nursing Supervisor/Lady Health Supervisor	153
5	Health Inspector	875
6	Public Health Nurse/ Lady Health Inspector	959
7	Lab Technician	1417
8	Ophthalmic Assistant	296
9	X-ray Technician/Radiographer	214
10	Pharmacist	1826
11	Junior Health Inspector	3646
12	Evaluation Assistants	5
13	Junior Public Health Nurse	5551
<b>III.</b>	<b>Other Staff</b>	<b>19682</b>
	<b>Total ( Para Medical)</b>	<b>23946</b>
	<b>Total Staff</b>	<b>49981</b>

### 3.3 OUTPATIENTS AND INPATIENTS IN THE INSTITUTION UNDER DHS AND NHM 2023-23

Table 3.3.1 Number of Out patients and inpatients in the institutions under DHS and NHM 2022-23

Sl no	District	Out Patients	In Patients
1	TVM	16976585	383206
2	KLM	11133536	249798
3	PTA	6747093	211267
4	ALP	10296260	267573
5	KTM	10182445	236791
6	IDK	5888422	298346
7	EKM	19969170	549891
8	TSR	16513469	364321
9	PKD	9335784	202863
10	MLP	20273194	412638
11	KKD	12495280	373486
12	WND	4412048	49246
13	KNR	10642148	133641
14	KSD	4861368	90739
15	KERALA	159726802	3823806

Chart 3.3.1 Increase in OP and IP in the institutions under DHS and NHM from 2021-22, TO 2022-23



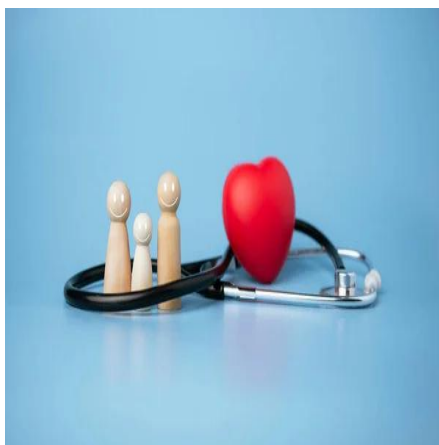


## FAMILY WELFARE ACHIEVEMENT

### 3.4. 1 Number of pregnant women registered for ANC 2022-23

Sl no	District	Total Number of pregnant women Registered for ANC	Number of pregnant women registered with I first trimester	% of pregnant women registered with I first trimester
1	TVM	32721	28500	87.10
2	KLM	26616	23417	87.98
3	PTA	9925	7932	79.91
4	ALP	19161	16621	86.74
5	KTM	16634	13692	82.31
6	IDK	10906	9357	85.79
7	EKM	30715	24882	81.00
8	TSR	33927	28724	84.66
9	PKD	37750	33598	89.00
10	MLP	89729	78391	87.36
11	KKD	42644	38016	89.14
12	WND	11327	10713	94.57
13	KNR	33597	28091	83.61
14	KSD	22500	19740	87.73
15	<b>KERALA</b>	449205	361854	86.53

Source : HMIS



### 3.4.2 District wise number of Deliveries 2022-23

Sl. No	District	No of Home deliveries	No. of Deliveries in Public institutions	No. of Deliveries in Private institutions	Total Deliveries	No. of Caesarean Deliveries in Public institutions	No. of Caesarean Deliveries in Private institutions	Total Caesarean Deliveries
1	TVM	42	18273	17554	35827	7697	8730	16427
2	KLM	24	10371	12749	23120	5075	7722	12797
3	PTA	12	3931	8190	12151	2006	4513	6519
4	ALP	13	7250	7250	14500	3839	4329	8168
5	KTM	11	8109	11634	19743	3573	5590	9163
6	IDK	38	3592	5613	9205	1896	2964	4860
7	EKM	18	7818	27873	35691	4289	15123	19412
8	TSR	17	11902	24445	36347	5193	10624	15817
9	PKD	29	7215	23666	30881	3034	9203	12237
10	MLP	266	17236	71716	88952	5665	24497	30162
11	KKD	22	15589	27937	43526	6531	12141	18672
12	WND	42	3947	8102	12049	1088	3634	4722
13	KNR	23	8878	25789	34667	4011	11987	15998
14	KSD	22	4009	13912	17921	1332	4217	5549
15	KERALA	579	128120	286430	414580	55229	125274	180503

Source :HMIS

### 3.4.3 C Section Rate 2022-23

Sl. No	District	PUBLIC			PRIVATE			TOTAL		
		No. of Deliveries	No. of Caesarean	c sec rate	No. of Deliveries	No. of Caesarean	c sec rate	No. of Deliveries	No. of Caesarean	c sec rate
1	TVM	18273	7697	42	17554	8730	50	35827	16427	45
2	KLM	10371	5075	50	12749	7722	60	23120	12797	55
3	PTA	3961	2006	50	8190	4513	55	12151	6519	53
4	ALP	7250	3839	53	7250	4329	59	14500	8168	56
5	KTM	8109	3573	44	11634	5590	48	19743	9163	46
6	IDK	3592	1896	52	5613	2964	52	9205	4860	52
7	EKM	7818	4289	54	27873	15123	54	35691	19412	54

8	TSR	11902	5193	43	24445	10624	43	36347	15817	43
9	PKD	7215	3034	42	23666	9203	38	30881	12237	39
10	MLP	17236	5665	33	71716	24497	34	88952	30162	33
11	KKD	15589	6531	42	27937	12141	43	43256	18672	43
12	WND	3947	1088	27	8102	3634	44	12049	4722	39
13	KNR	8878	4011	45	25789	11987	46	34667	15998	46
14	KSD	4009	1332	33	13912	4217	30	17921	5549	30
15	KERALA A	128120	55229	43	286430	125274	43	414550	180503	43

Source :HMIS

### 3.4.4 Live Birth

SL NO	DISTRICT	Live Birth- Male			Live Birth- Female			GRAND TOTAL
		Public	Private	Total	Public	Private	Total	
1	TVM	9540	9109	18649	9029	8827	17856	36505
2	KLM	5284	6542	11826	5148	6351	11499	23325
3	PTA	2058	4243	6301	1987	4105	6092	12393
4	ALP	3662	3721	7383	3642	3589	7231	14614
5	KTM	4160	5999	10159	3976	5794	9770	19929
6	IDK	1792	2890	4682	1820	2813	4633	9315
7	EKM	4054	14663	18717	3788	14182	17970	36687
8	TSR	6229	12730	18959	5813	12212	18025	36984
9	PKD	3716	12124	15840	3553	11699	15252	31092
10	MLP	8963	36821	45784	8580	35438	44018	89802
11	KKD	7950	14304	22254	7734	13963	21697	43951
12	WND	2047	4137	6184	1932	4029	5961	12145
13	KNR	4560	13226	17786	4369	12824	17193	34979
14	KSD	2075	7018	9093	1985	7008	8993	18086
15	KERALA	66090	147527	213617	63356	142834	206190	419807

Source : HMIS

### 3.4.5 Details of New Born 2022-23

SL NO	DISTRICT	Number of newborns weighed at birth			Number of Newborns breast fed within 1 hour of birth			
		Public	Private	Total	Public	Public	Private	
1	TVM	18481	17379	35860	3688	17198	16977	
2	KLM	10432	12890	23322	1360	10432	12893	
3	PTA	3979	8002	11981	580	3983	7863	
4	ALP	6908	5999	12907	1100	6664	6245	
5	KTM	8136	11317	19453	1725	7949	11198	
6	IDK	3502	5459	8961	530	3440	4574	
7	EKM	7796	28176	35972	1246	7507	22994	
8	TSR	11996	24925	36921	1480	11974	24570	
9	PKD	7256	23780	31036	1368	6632	22858	
10	MLP	17501	71616	89117	2105	17432	67381	
11	KKD	18379	24635	43014	3234	15292	20104	
12	WND	3979	8166	12145	976	3978	8161	
13	KNR	8648	21175	29823	1440	8144	19815	
14	KSD	4055	13734	17789	490	4055	13248	
SL NO	DISTRICT	IUD INSERTIONS			ORAL PILLS CYCLES/DISTRIBUTED			
		Public		Total	Public	Total	Public	Total
1	TVM	1308		1671	482580	483455	14739	14739
2	KLM	1688		1979	156552	156552	11030	11030
3	PTA	479		581	145857	145857	13117	13117
4	ALP	1214		1382	90581	90631	4909	4992
5	KTM	1678		2050	119166	119166	9331	9331
6	IDK	904		955	69588	69588	2792	2821
7	EKM	1238		2228	201468	201468	4678	4739
8	TSR	2092		2976	114153	114168	7832	7887
9	PKD	2149		2509	157442	157448	6378	6384
10	MLP	3090		5770	200525	200702	8004	8779
11	KKD	2005		2518	160771	160771	10674	10674
12	WND	1022		1405	103699	103699	4585	4586
13	KNR	2039		2112	100173	100212	7534	7712
14	KSD	1561		1757	90361	90361	6753	6803
15	KERALA	22467		29893	2192916	2194078	112356	113594

Table 3.4.6.2 Details of family planning commodities distributed in 2022-23

SL NO	DISTRICT	Number of Centchroman (weekly) pill strips distributed		Number of Emergency Contraceptive Pills (ECP) given		Number of Pregnancy Test Kits (PTK) used	
		Public	Total	Public	Total	Public	Total
1	TVM	546	549	1073	1243	11899	12930
2	KLM	475	475	56	56	6712	6898
3	PTA	530	530	831	831	7010	7472
4	ALP	575	575	568	570	5460	6221
5	KTM	670	670	468	468	4751	6398
6	IDK	271	272	291	291	2935	4018
7	EKM	256	256	211	220	11234	13531
8	TSR	599	599	343	403	4571	7541
9	PKD	137	142	235	236	2360	3672
10	MLP	98	98	226	230	6010	6686
11	KKD	262	266	546	566	3622	4573
12	WND	8	98	226	230	6010	6686
13	KNR	235	333	494	515	4069	5702
14	KSD	370	370	44	49	5409	6852
15	KERALA	5122	5233	5547	6369	81609	106138

SOURCE ; HMIS

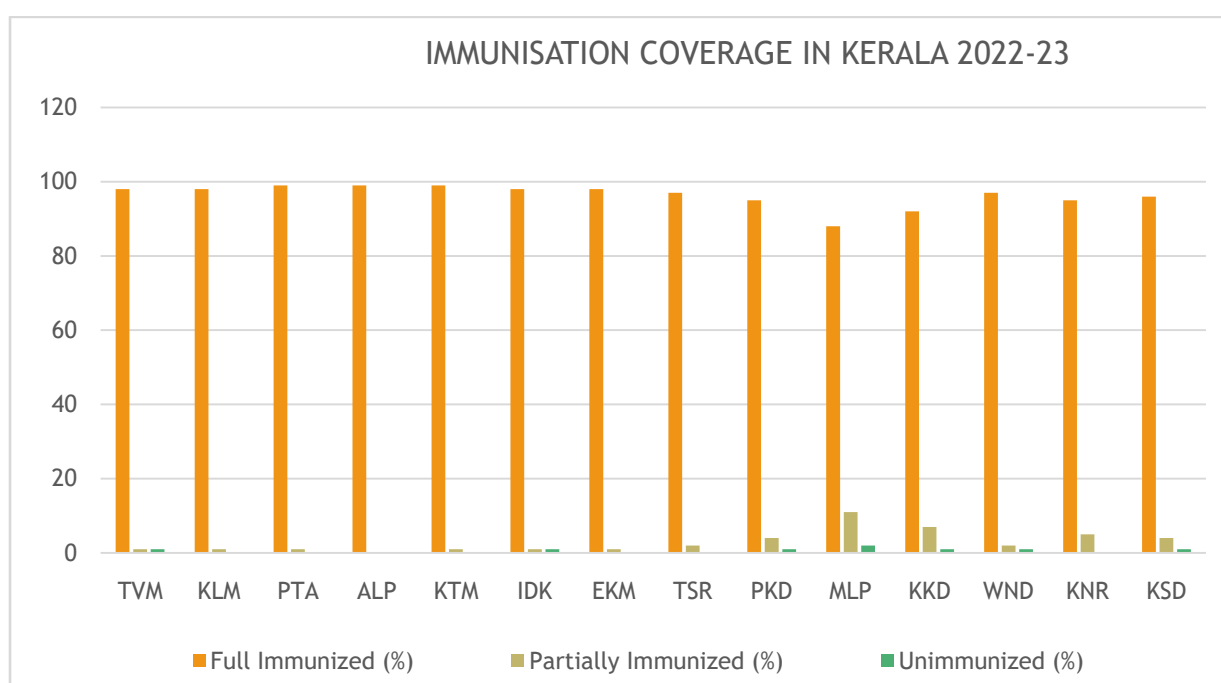
**Table 3.4.6.3 Details of Sterilizations 2022**

Sl no	District	NSV/CONVENTIONAL VASAC-TOMY			POST PARTUM STERILIZATION			MINI LAP			LAPORO-SCOPY			Number of Postpartum (within 48 hours of delivery) IUCD insertions			Number of Post Abortion (within 12 days of spontaneous or surgical abortion) IUCD insertions		
		Public	Pvt	Total	Public	Pvt	Total	Public	Pvt	Total	Public	Pvt	Total	Public	Pvt	Total	Public	Pvt	Total
1	TVM	24	0	24	3406	1583	4989	110	234	344	1333	1038	2371	69	17	86	21	2	23
2	KLM	18	0	18	2681	1940	4621	274	99	373	176	247	423	96	3	99	22	2	24
3	PTA	11	0	11	1002	580	1582	82	52	134	108	163	271	116	24	140	2	18	20
4	ALP	207	1	208	1212	710	1922	93	66	159	44	183	227	235	19	254	4	2	6
5	KTM	48	0	48	1803	607	2410	27	47	74	550	131	681	101	8	109	1	1	2
6	IDK	7	1	8	763	725	1488	39	67	106	151	127	278	7	6	13	0	1	1
7	EKM	47	6	53	1325	2934	4259	15	197	212	233	1107	1340	76	37	113	4	90	94
8	TSR	71	1	72	1756	1564	3320	310	408	718	658	613	1271	82	27	109	3	34	37
9	PKD	13	0	13	1600	2649	4249	70	333	403	936	404	1340	78	23	101	4	0	4
10	MLP	35	0	35	2935	3555	6490	209	424	633	126	838	964	212	225	437	0	13	13
11	KKD	23	2	25	2961	1815	4776	81	83	164	287	334	621	426	42	468	32	10	42
12	WND	48	0	48	689	824	1513	82	19	101	80	129	209	217	1	218	12	4	16
13	KNR	37	0	37	1682	1125	2807	43	6	49	258	95	353	86	0	86	0	0	0
14	KSD	34	0	34	408	471	879	0	24	24	146	97	243	37	1	38	0	0	0
15	<b>KERALA</b>	623	11	634	24223	21082	45305	1435	2059	3494	4411	5506	10592	1838	433	2271	105	177	282

Immunization coverage in Kerala 2022-23 (Children born in 2021-22)

SI No	District	Full Immunized (%)	Partially Immunized (%)	Unimmunized (%)
1	TVM	98	1	1
2	KLM	98	1	0
3	PTA	99	1	0
4	ALP	99	0	0
5	KTM	99	1	0
6	IDK	98	1	1
7	EKM	98	1	0
8	TSR	97	2	0
9	PKD	95	4	1
10	MLP	88	11	2
11	KKD	92	7	1
12	WND	97	2	1
13	KNR	95	5	0
14	KSD	96	4	1
15	<b>KERALA</b>	95	4	1

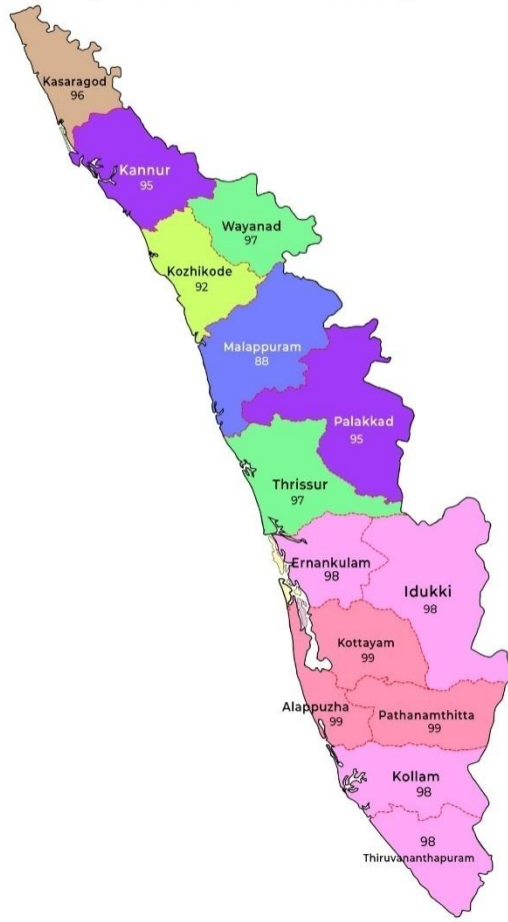
**Chart 3.4.7.3 Immunization coverage in Kerala 2022-23(Children born in 2021-22)**



# Immunization

## Full Immunisation Coverage in Kerala 2022-23 (Children Born On 2021-22)

Full Immunization - 95%





**PERCENTAGE OF CHILDREN RECEIVED DIFFERENT VACCINES AMONG THE CHILDREN REGISTERED IN RCH PORTAL  
2022-23**

<b>DISTRICTS</b>	<b>BCG</b>	<b>OPV0</b>	<b>HEP0</b>	<b>Penta1</b>	<b>OPV1</b>	<b>IPV1</b>	<b>Rota1</b>	<b>Penta2</b>	<b>OPV2</b>	<b>Rota2</b>	<b>Penta3</b>	<b>OPV3</b>	<b>IPV2</b>	<b>Rota3</b>	<b>MR1</b>
<b>TVM</b>	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99
<b>KLM</b>	100	99	99	99	99	99	99	99	99	99	99	99	99	99	99
<b>PTA</b>	100	99	99	99	99	99	99	99	99	99	99	99	99	99	99
<b>ALP</b>	100	100	98	99	99	99	99	99	99	99	99	99	99	99	99
<b>KTM</b>	100	99	99	99	99	99	99	99	99	99	99	99	99	99	99
<b>IDK</b>	99	99	99	99	99	99	99	99	99	99	99	99	98	99	99
<b>EKM</b>	100	99	98	99	99	99	99	99	99	99	99	99	98	99	98
<b>TSR</b>	100	99	97	99	99	98	99	98	98	98	98	98	98	98	98
<b>PKD</b>	99	99	93	97	97	97	97	97	97	96	96	96	95	96	96
<b>MLP</b>	98	92	61	92	93	91	92	90	90	89	89	89	86	86	89
<b>KKD</b>	99	99	94	96	96	95	95	95	95	94	94	94	93	92	93
<b>WND</b>	99	99	98	98	98	97	98	97	97	97	97	97	97	97	97
<b>KNR</b>	100	99	90	97	97	97	97	96	96	96	95	96	95	95	95
<b>KSD</b>	99	99	90	98	98	97	97	97	97	96	97	97	96	96	96
<b>KERALA</b>	99	98	89	97	97	96	97	96	96	96	96	96	95	95	95

INTENSIFIED PULSE POLIO IMMUNIZATION PROGRAM 2022-DISTRICT WISE ACHIEVEMENT (%)						
SL.NO	DISTRICT	TARGET	TOTAL CHILDREN VACCINATED	PERCENTAGE OF ACHIEVEMENT	NO.OF MIGRANT CHILDREN IMMUNISED	TOTAL OPV VIALS USED
1	TVM	215503	214863	99.7	1508	12453
2	KLM	164438	163040	99.14	706	9663
3	PTA	65444	64765	98.96	480	3952
4	ALP	130398	126888	97.3	863	7223
5	KTM	108582	105632	97.28	725	6265
6	IDK	69352	69923	100.8	2330	4292
7	EKM	210681	203587	96.63	6707	11523
8	TSR	207662	204529	98.49	1706	11731
9	PKD	217728	217728	100	1316	13193
10	MLP	455142	436963	96	2370	25399
11	KKD	229975	224632	97.67	1038	13215
Total		2074905	2032550	1081.97	19749	118909

#### 3.4.4.2 INTENCIFIED MISSION INDRADHANUSH

##### Achievement

In Kerala, the programme was conducted in Alappuzha, Eranakulam, Kannur, Kollam, Kozhikkode, Malappuram, Palakkad, Thrissur and Trivandrum districts. In I round of IMI 4.0 held on February 2022, 46% of target pregnant women population were immunized and 28% of children population were immunized. In II round of IMI 4.0 held on March 2022, 72% of target pregnant women population were immunized and 26% of children population were immunized.

Table 3.4.8.3.1 IMI 3.0 Achievement 2021-22 (2022 APRIL)- Round I11

District	Session		Children Vaccination			Pregnant Women Vaccination		
	Planned	Held	No. of target children for the round (as per the due lists based on head count)	No. of Children vaccinated	% Children Vaccinated	No. of target Pregnant Women for the round (as per the due lists based on head count)	No of Pregnant Women Vaccinated	% Pregnant Women Vaccinated
<b>Alappuzha</b>	6	5	14	7	50	0	0	0
<b>Eranakulam</b>	14	8	129	19	15	12	3	25
<b>Kannur</b>	114	122	1294	178	14	0	0	0
<b>Kollam</b>	30	30	69	0	0	0	0	0
<b>Kozhikkode</b>	185	185	1316	1203	91	341	327	96
<b>Malappuram</b>	505	504	10135	457	45	139	24	17
<b>Palakkad</b>	160	154	1005	63	6	15	8	53
<b>Trivandrum</b>	6	6	9	0	0	0	0	0
<b>Thrissur</b>	70	70	291	30	10	10	1	10
<b>TOTAL</b>	1090	1094	14262	1957		517	363	

### 3.5 MORTALITY RATES

## Maternal mortality ratio ( MMR ) 2022 -23



Table 3.5.1.1 District wise Maternal Mortality Ratio (MMR) 2022-23(April To March)

Sl.No	DISTRICT	LIVE BIRTH	MATERNAL DEATH	MMR(PER LAKH)
1	TVM	36505	7	19
2	KLM	23325	3	13
3	PTA	12393	4	32
4	ALP	14614	4	27
5	KTM	19929	4	20
6	IDK	9315	3	32
7	EKM	36687	7	19
8	TSR	36984	10	27
9	PKD	31092	12	39
10	MLP	89802	22	24
11	KKD	43951	15	34
12	WND	12145	5	41
13	KNR	34979	10	29
14	KSD	18086	12	66
15	KERALA	419807	118	28

Source :linelist received from districts

Table 3.5.1.2 Year wise and district wise Maternal Mortality Ratio (MMR)

SL NO	DISTRICT	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
1	TVM	48	33	38	16	29	38	54	19
2	KLM	19	19	51	34	40	44	65	13
3	PTA	50	14	7	47	7	31	49	32
4	ALP	14	46	21	46	25	46	95	27
5	KTM	58	36	30	17	53	29	68	20
6	IDK	38	47	55	26	57	38	67	32
7	EKM	37	17	25	12	28	21	30	19
8	TSR	25	24	28	34	14	23	56	27
9	PKD	41	51	62	56	36	44	67	39
10	MLP	48	25	33	42	26	30	50	24
11	KKD	14	14	57	37	25	29	32	34
12	WND	30	40	27	61	48	15	46	41
13	KNR	32	34	26	18	14	19	27	29
14	KSD	30	42	39	30	55	60	67	66
15	KERALA	34	29	37	33	29	32	51	28

Source :linelist received from districts

Table 3.5.1.3 District wise and Year wise Maternal deaths in Kerala 2000-01 to 2022-23

	Distri cts	2000- '01	2001- '02	2002- '03	2003- '04	2004- '05	2005- '06	2006- '07	2007- '08	2008- '09	2009- '10	2010- '11	2011- '12	2012- '13	2013- '14	2014- '15	2015- '16	2016- '17	2017- '18	2018- '19	2019- '20	2020- '21	2021- '22	2022- '23
1	TVM	32	28	19	25	6	11	20	7	11	15	19	7	18	16	10	13	13	20	7	12	14	20	7
2	KLM	13	18	16	21	11	15	9	6	13	16	23	22	6	14	16	11	5	14	9	10	11	16	3
3	PTA	10	9	1	2	6	5	2	5	4	5	5	9	4	6	4	2	2	1	7	1	4	6	4
4	ALP	6	5	6	8	5	5	7	6	7	7	3	7	6	9	8	9	8	4	8	4	7	15	4
5	KTM	9	17	5	8	5	11	6	6	10	11	8	6	11	7	6	9	8	7	4	12	6	14	4
6	IDK	5	1	8	7	7	11	3	10	3	7	10	3	5	7	0	6	6	6	3	6	4	7	3
7	EKM	17	12	6	12	7	12	8	9	15	21	22	15	7	17	8	7	6	12	5	12	8	11	7
8	TSR	10	8	16	8	15	8	6	11	17	16	14	10	13	15	12	14	10	12	15	6	9	22	10
9	PKD	25	35	20	19	20	22	24	31	21	16	23	10	14	14	18	18	18	23	20	12	14	22	12
10	MLP	34	25	32	16	22	30	30	37	35	31	23	16	40	27	31	36	22	30	39	23	25	44	22
11	KKD	34	25	28	26	13	13	13	29	15	4	16	13	9	13	17	14	7	30	20	13	13	14	15
12	WND	16	13	17	6	8	9	7	3	8	7	6	2	13	8	11	4	4	4	9	7	2	6	5
13	KNR	17	19	8	8	9	12	7	7	9	12	12	7	9	15	11	6	14	10	8	6	7	10	10
14	KSD	13	12	9	8	6	8	5	5	11	8	6	6	10	14	6	12	8	8	6	10	11	13	12
15	KER	241	227	191	174	140	172	147	172	179	176	190	133	165	182	158	161	131	181	160	134	135	220	118

#.Increase rate of Maternal Mortality ratio is high due to Covid Pandemic for the year 2021-22.

## NEO -NATAL MORTALITY RATE ( NMR ) 2022- 23



Table 3.5.2.1 District wise Neo Natal Mortality Rate (NMR) 2022-23

Sl.No	DISTRICT	LIVE BIRTH	NEO NATAL DEATH	NMR
1	TVM	36505	105	3
2	KLM	23325	85	4
3	PTA	12393	42	3
4	ALP	14614	76	5
5	KTM	19929	49	2
6	IDK	9315	47	5
7	EKM	36687	98	3
8	TSR	36984	136	4
9	PKD	31092	109	4
10	MLP	89802	306	3
11	KKD	43951	141	3
12	WND	12145	61	5
13	KNR	34979	123	4
14	KSD	18086	100	6
15	KERALA	419807	1478	4

Source : line list received from Districts

Table 3.5.2.2 District wise and Year wise Neo Natal Mortality Rate

SL. NO	DISTRICT	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
1	TVM	4	4	5	3	4	4	4	3
2	KLM	4	4	5	5	4	4	4	4
3	PTA	3	2	3	3	2	2	3	3
4	ALP	5	5	4	4	5	4	4	5
5	KTM	3	4	3	3	2	2	2	2
6	IDK	5	5	6	5	5	6	6	5
7	EKM	2	2	2	2	2	3	3	3
8	TSR	3	3	3	3	2	3	3	4
9	PKD	5	4	4	5	3	4	3	4
10	MLP	4	4	4	4	3	4	3	3
11	KKD	3	3	8	3	3	2	3	3
12	WND	7	5	5	5	5	5	4	5
13	KNR	3	3	4	3	3	3	3	4
14	KSD	5	7	5	4	5	5	5	6
15	KERALA	4	4	4	3	3	3	3	4

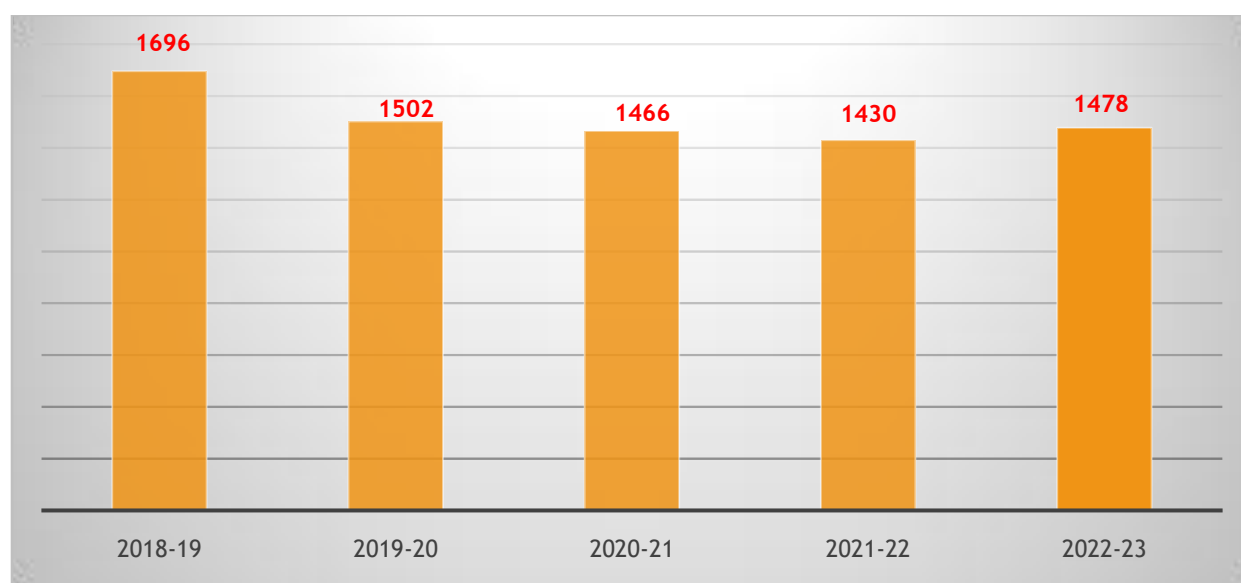
Source : line list received from Districts



Table 3.5.2.3 District wise and Year wise Neo Natal Deaths in Kerala

SL. NO	DISTRICT	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
1	TVM	160	157	222	149	169	133	153	105
2	KLM	119	104	124	122	107	98	89	85
3	PTA	51	33	51	39	34	31	33	42
4	ALP	94	90	69	65	81	68	61	76
5	KTM	68	82	80	64	53	41	49	49
6	IDK	62	59	70	59	49	63	59	47
7	EKM	83	81	72	89	88	102	94	98
8	TSR	143	122	121	129	102	118	122	136
9	PKD	179	134	149	160	110	138	99	109
10	MLP	380	364	365	373	287	298	291	306
11	KKD	182	175	181	181	147	108	130	141
12	WND	93	69	77	68	71	64	58	61
13	KNR	118	111	140	112	111	122	98	123
14	KSD	97	125	108	86	93	82	94	100
15	KERALA	1829	1706	1829	1696	1502	1466	1430	1478

Chart 3.5.2.3 Year wise comparison of Neo natal deaths and NMR in Kerala



## District wise INFANT MORTALITY RATE ( IMR) 2022-23

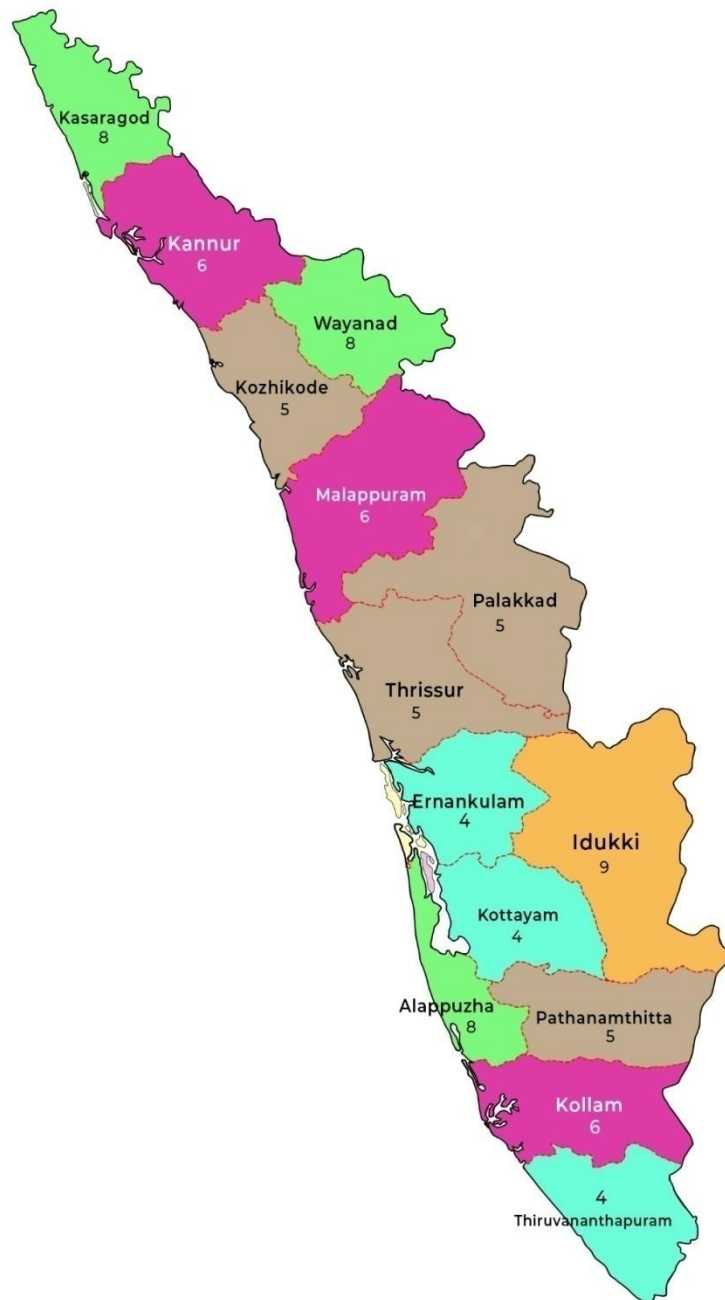


Table 3.5.3.1 District Wise Infant Mortality Rate ( IMR) 2022-23

Sl.No	DISTRICT	LIVE BIRTH	INFANT DEATH	IMR
1	TVM	36505	158	4
2	KLM	23325	143	6
3	PTA	12393	61	5
4	ALP	14614	115	8
5	KTM	19929	76	4
6	IDK	9315	81	9
7	EKM	36687	129	4
8	TSR	36984	189	5
9	PKD	31092	168	5
10	MLP	89802	502	6
11	KKD	43951	212	5
12	WND	12145	97	8
13	KNR	34979	196	6
14	KSD	18086	153	8
15	KERALA	419807	2280	5

Table 3.5.3.2 District wise and Year wise Infant Mortality Rate in Kerala

SL. NO	DISTRICT	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
1	TVM	5	6	7	5	6	5	5	4
2	KLM	7	6	7	7	7	6	5	6
3	PTA	5	3	5	4	4	3	4	5
4	ALP	7	7	6	6	8	6	6	8
5	KTM	4	5	4	4	4	3	4	4
6	IDK	9	8	9	9	8	9	9	9
7	EKM	3	3	3	3	3	4	3	4
8	TSR	5	5	4	5	4	4	4	5
9	PKD	7	6	6	7	6	6	5	5
10	MLP	6	6	6	6	5	5	5	6
11	KKD	5	4	4	5	4	3	4	5
12	WND	10	8	9	7	7	7	7	8
13	KNR	4	4	6	4	5	5	4	6
14	KSD	8	10	9	7	9	8	7	8
15	KERALA	6	6	6	5	5	5	5	5

Table 3.5.3.3 District wise and Year wise Infant Deaths in Kerala

SL. NO	DISTRICT	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
1	TVM	228	235	281	225	242	184	200	158
2	KLM	197	167	192	189	172	138	132	143
3	PTA	69	46	72	63	59	41	51	61
4	ALP	130	118	100	101	122	88	92	115
5	KTM	105	113	101	96	89	59	80	76
6	IDK	103	86	106	100	81	99	96	81
7	EKM	116	122	118	133	139	149	129	129
8	TSR	201	194	176	203	164	166	162	189
9	PKD	262	204	213	236	203	191	154	168
10	MLP	548	546	560	541	470	438	421	502
11	KKD	261	220	101	274	215	139	195	212
12	WND	137	110	126	110	100	91	95	97
13	KNR	187	181	211	183	195	175	130	196
14	KSD	161	193	186	149	150	127	129	153
15	KERALA	2705	2535	2705	2603	2401	2085	2066	2280

Chart 3.5.3.3 Year wise comparison of Infants deaths and IMR in Kerala

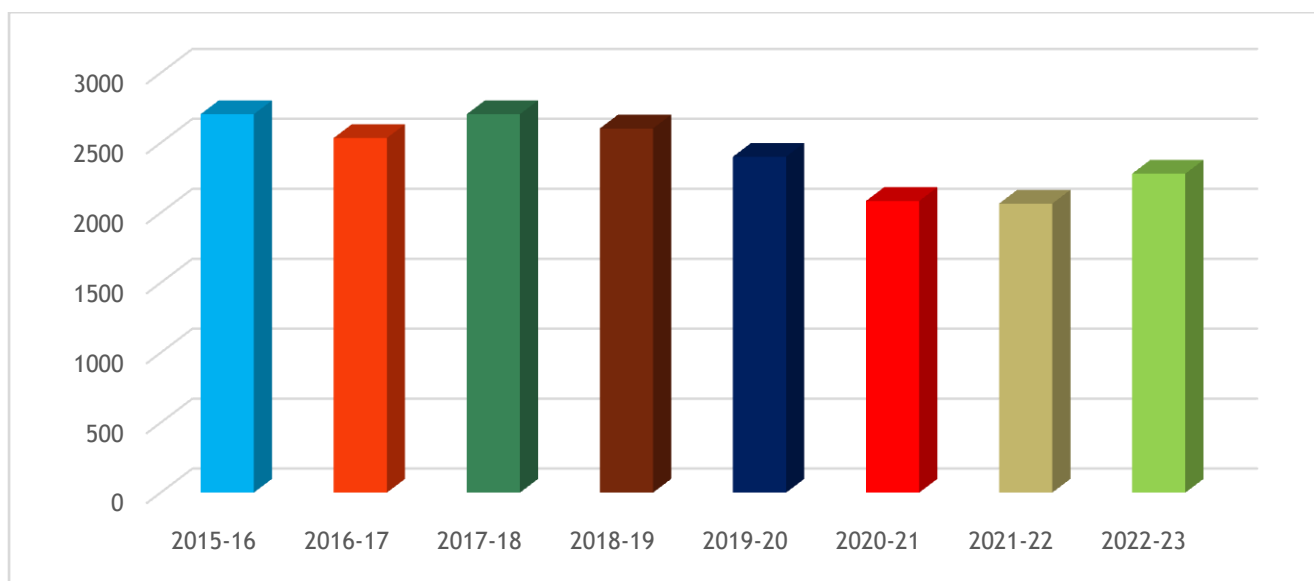
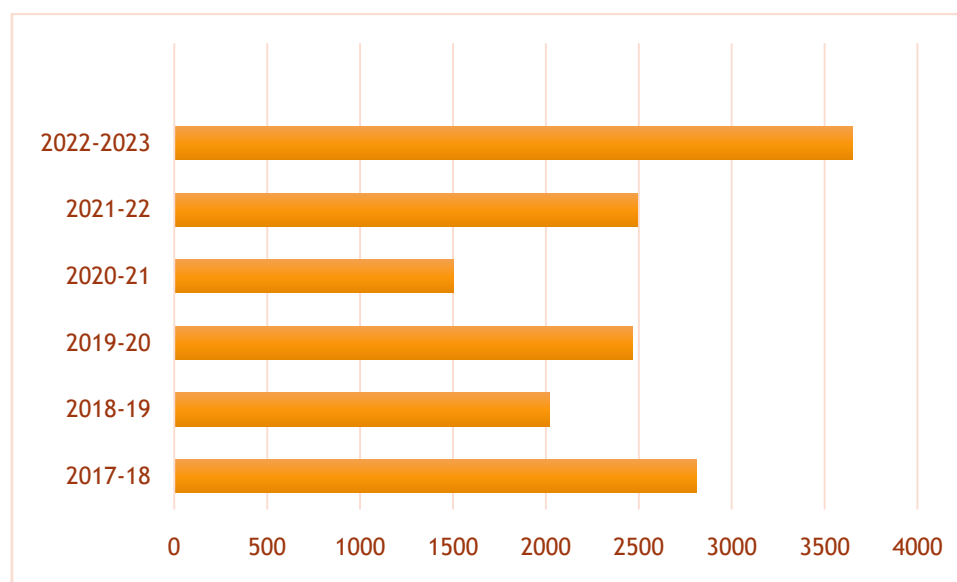


Table 3.6.1 Year wise Number of Medical Termination of Pregnancy (MTP) in Kerala

Sl No	Year	Number of MTP		
		Government	Private	Total
1	2017-18	2811	6647	9458
2	2018-19	2019	8491	10510
3	2019-20	2465	8613	11078
4	2020-21	1504	7021	8525
5	2021-22	2494	8495	10989
6	2022-2023	3650	10869	14519

Source : HMIS Portal

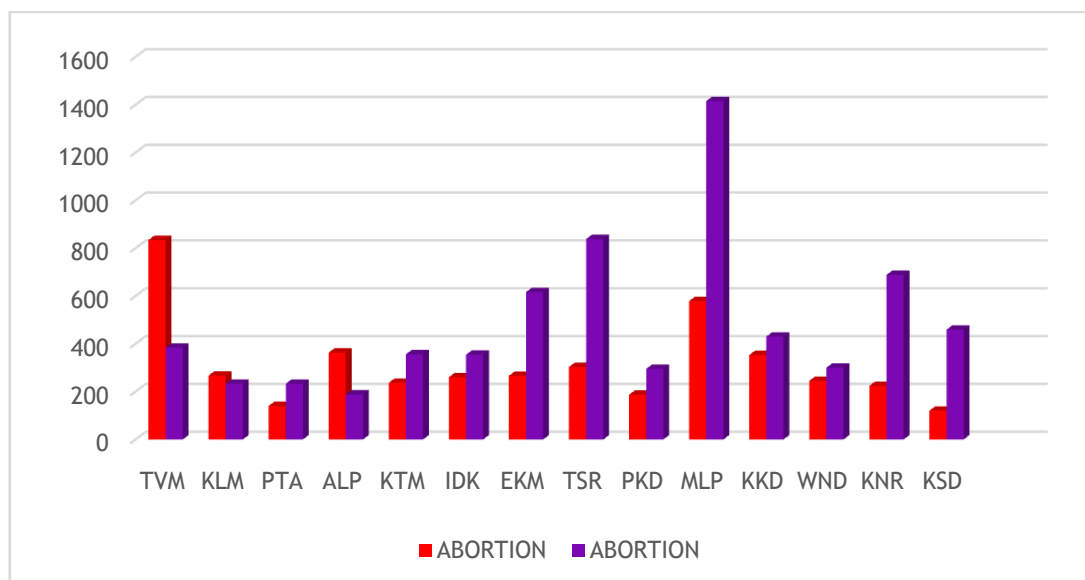
Chart 3.6.1 Year wise medical Termination of Pregnancy in the Public Hospitals in Kerala



### 3.6.2 District wise number of Spontaneous Abortion 2022-23

SL. NO	DISTRICT	ABORTION		
		PUBLIC	Private	Total
1	TVM	834	384	1218
2	KLM	267	233	500
3	PTA	140	233	373
4	ALP	363	188	551
5	KTM	237	356	593
6	IDK	260	354	614
7	EKM	266	616	882
8	TSR	303	838	1141
9	PKD	187	295	482
10	MLP	579	1415	1994
11	KKD	353	430	783
12	WND	245	300	545
13	KNR	224	688	912
14	KSD	120	459	579
15	<b>KERALA</b>	4378	6789	11617

Source : HIMS



Source : HIMS

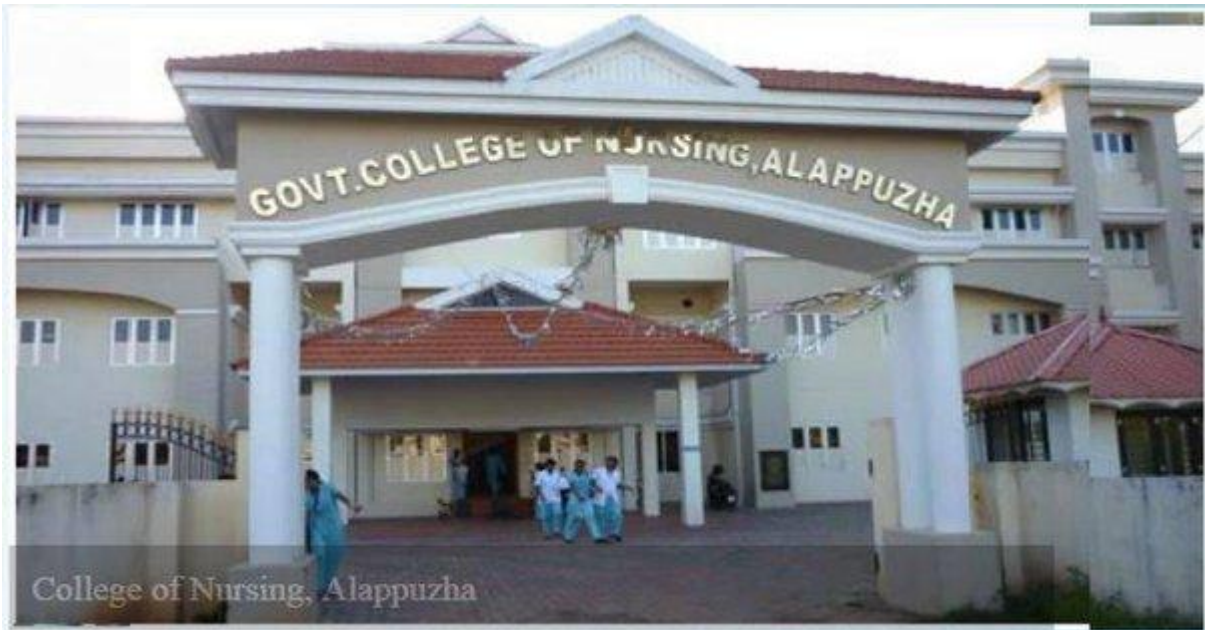
PERFORMANCE OF NTEP [NATIONAL TB ELIMINATION PROGRAMME ]- 2023						
YEAR	TOTAL NOTIFIED CASES	TOTAL ANNUALIZED CASE DETECTION RATE/LAKH/POP	MICROBIOLOGICALLY CONFIRMED TB CASES	UDST OFFERED	%MICROBIOLOGICALLY CONFIRMED PULMONARY TB CASES OUT OF TOTAL DIAGNOSED PULMONARY CASES	SUCCESS RATE%
2021	21953	63	14323	13943	11310 (87%)	81%
2022	23389	67	14519	15217	12664(87%)	81%
2023	21788	61	15009	15603	12454(88%)	81%

Source : TB Cell

Age <5 household contacts of microbiologically confirmed pulmonary TB Cases				Age 5 to 14 household contacts of microbiologically confirmed pulmonary TB Cases			Age > 15 household contacts of microbiologically confirmed pulmonary TB Cases				PL HIV		
Total contacts	Age<5 Eligible for TB Preventive Therapy(TPT)	Age <5 TPT initiated	Total contacts	Age 5-14 IGRA DO NE	Age 5-14 IGR A positive	Age 5-14 IGR A initiated	Total contacts	Age >=15 IGR A DO NE	Age >=15 IGR A positive	Age >=15 IGR A initiated	Total new cases	Eligible for TPT	TPT initiated
22286	2068	1559	5806	2091	411	410	24905	10546	2476	2182	1026	775	289
3364	2146	1347	5016	1920	330	287	27608	10637	2547	1788	1187	700	319

Source : TB Cell

## SCHOOL OF NURSING





**Table 3.7.1 District wise details of School of Nursing (GNM) 2022&2023**

SL NO	DISTR ICT	GOVT.		NO.OF SEATS		PRIVATE		NO.OF SEATS	
		2022	2023	2022	2023	2022	2023	2022	2023
1	TVM	2	2	58	63	9	11	285	375
2	KLM	2	2	45	50	12	12	410	430
3	PTA	1	1	20	27	2	0	40	0
4	ALP	1	1	23	30	8	8	265	265
5	KTM	2	2	50	56	7	7	195	195
6	IDK	1	1	20	25	6	8	180	265
7	EKM	1	1	32	40	14	14	500	510
8	TSR	1	1	28	37	17	18	475	515
9	PKD	1	1	25	30	4	5	95	115
10	MLP	1	1	26	30	5	4	165	145
11	KKD	2	2	80	105	10	11	340	430
12	WND	1	1	20	25	3	3	102	112
13	KNR	1	1	30	36	7	7	230	230
14	KSD	1	1	20	25	2	2	55	55
	Total	18	18	477	579	106	110	3337	3642

Slno	District	ANM TRAINING CENTRES							
		Govt.		No. of seats		Private		No. of seats	
		2021	2022	2022	2023	2022	2023	2022	2023
1	TVM	1	1	30	30	1	1	35	35
2	KLM	0	0	0	0	2	2	45	45
3	ALP	0	0	0	0	2	2	70	70
4	KTM	1	1	25	25	1	1	20	20
5	PKD	1	1	50	50	0	0	0	0
6	KSD	1	1	25	25	1	1	50	50
	Total	4	4	130	130	7	7	220	220

Source : Nursing council

**Table 3.7.2 District wise details of College of Nursing 2023**

Sl No.	District	Govt.	No. of seats + EWS			Private	No. of seats		
			B Sc Nursing	Post B Sc Nursing	M Sc Nursing		B Sc Nursing	Post B Sc Nursing	M Sc Nursing
1	TVM	1	190	33	39	14	990	50	107
2	KLM	1	60	0	0	11	630	30	32
3	PTA	1	60	0	0	11	600	15	41
4	ALP	1	80	0	30	4	210	0	5
5	KTM	1	80	0	24	11	590	15	27
6	IDK	1	60	0	0	3	200	0	8
7	EKM	1	80	44	0	19	1215	70	64
8	TSR	1	80	0	22	9	575	40	53
9	PKD	1	60	0	0	8	440	30	10
10	MLP	1	60	0	0	7	510	50	56
11	KKD	1	80	0	33	9	603	45	41
12	WND	1	60	0	0	3	175	0	0
13	KNR	1	80	0	11	10	530	0	12
14	KSD	1	60	0	0	2	125	0	0
	<b>Total</b>	14	1090	77	159	121	7393	345	456
	<b>Nursing college under MG university</b>					<b>Nursing college under SIMET</b>			
1	TVM	0	0	0	0	3	180	0	0
2	KLM	1	40	0	0	0	0	0	0
3	PTA	2	80	0	0	1	60	0	0
4	ALP	0	0	0	0	1	60	0	0
5	KTM	4	190	0	0	0	0	0	0
6	IDK	1	60	0	0	0	0	0	0
7	EKM	1	40	0	0	1	60	30	0
8	PKD	0	0	0	0	1	60	0	0
9	MLP	0	0	0	0	1	60	0	0
10	KNR	0	0	0	0	2	120	0	0
11	KSD	0	0	0	0	1	60	0	0
	<b>TOTAL</b>	9	410	0	0	11	660	30	0

Source : Nursing council

## 4. POPULATION



**TABLE 4.1 DISTRICT WISE POPULATION OF SC,ST& LITERATES, 2011 CENSUS**

NAME	Scheduled Castes Population			Scheduled Tribes Population			Literates Population		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
Kerala	<b>3039573</b>	<b>1477808</b>	<b>1561765</b>	<b>484839</b>	<b>238203</b>	<b>246636</b>	<b>28135824</b>	<b>13704903</b>	<b>14430921</b>
TVM	372977	178589	194388	26759	12624	14135	2785408	1354857	1430551
KLM	328263	157801	170462	10761	5195	5566	2240273	1074345	1165928
PTA	164465	78942	85523	8108	3947	4161	1062553	499181	563372
ALP	201211	97183	104028	6574	3175	3399	1852797	890552	962245
KTM	153909	75503	78406	21972	10974	10998	1749798	861592	888206
IDK	145486	72399	73087	55815	27995	27820	923010	471881	451129
EKM	268411	131573	136838	16559	8349	8210	2855676	1425723	1429953
TSR	324350	156480	167870	9430	4362	5068	2678548	1282261	1396287
PKD	403833	197451	206382	48972	24314	24658	2239492	1122600	1116892
MLP	308266	151557	156709	22990	11272	11718	3311315	1597404	1713911
KKD	199191	97279	101912	15228	7429	7799	2615443	1266939	1348504
WYD	32578	16406	16172	151443	74476	76967	645585	328136	317449
KNR	83350	40260	43090	41371	20141	21230	2138434	1012956	1125478
KSD	53283	26385	26898	48857	23950	24907	1037492	516476	521016

**TABLE 4.2 Sex Ratio for State and Districts : 1901-2011**

State/ District	SEX RATIO (Number of Females per 1000 Males)											
	1901	1911	1921	1931	1941	1951	1961	1971	1981	1991	2001	2011
Kerala	<b>1004</b>	<b>1008</b>	<b>1011</b>	<b>1022</b>	<b>1027</b>	<b>1028</b>	<b>1022</b>	<b>1016</b>	<b>1032</b>	<b>1036</b>	<b>1058</b>	<b>1084</b>
TVM	996	990	981	1003	1017	1010	1005	1008	1030	1036	1060	1088
KLM	987	988	989	1006	1013	997	996	1000	1022	1035	1069	1113
PTA	986	987	949	975	986	996	1011	1019	1056	1062	1094	1129
ALP	986	987	986	997	1003	1022	1026	1025	1043	1051	1079	1100
KTM	965	969	947	966	966	987	988	991	1001	1003	1025	1040
IDK	839	842	850	834	875	909	914	937	963	975	993	1006
EKM	985	990	969	994	994	1008	999	988	997	1000	1019	1028
TSR	1004	1009	1051	1075	1082	1105	1093	1081	1100	1085	1092	1109
PKD	1042	1057	1069	1079	1079	1085	1077	1056	1056	1061	1066	1067
MLP	1017	1020	1037	1059	1062	1055	1057	1041	1052	1053	1066	1096
KKD	1009	1022	1038	1032	1044	1019	1007	1004	1020	1027	1057	1097
WYD	805	815	786	804	835	838	903	922	949	966	995	1035
KNR	1060	1079	1121	1106	1110	1074	1048	1033	1040	1049	1090	1133
KSD	1060	1053	1050	1040	1039	1046	1026	998	1020	1026	1047	1079

**TABLE 4.3 PROJECTED POPULATION OF KERALA**

State/ District	Total Population (Projected based on the growth rate of the population from 2011 to 2022)											
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
<b>Kerala</b>	33406061	33569592	33734454	33900664	34068228	34237161	34407479	34579194	34752316	34926862	35102842	35280273
TVM	3301427	3308210	3315007	3321818	3328643	3335482	3342335	3349203	3356084	3362979	3369889	3376813
KLM	2635375	2640445	2645525	2650614	2655713	2660822	2665941	2671070	2676209	2681357	2686516	2691684
PTA	1197412	1193812	1190223	1186644	1183076	1179519	1175973	1172437	1168912	1165398	1161894	1158400
ALP	2127789	2129661	2131534	2133410	2135287	2137165	2139045	2140927	2142811	2144696	2146581	2148471
KTM	1974551	1976654	1978759	1980866	1982976	1985087	1987201	1989317	1991436	1993557	1995680	1997805
IDK	1108974	1106969	1104968	1102971	1100977	1098987	1097000	1095017	1093038	1091062	1089090	1087121
EKM	3282388	3300590	3318893	3337298	3355804	3374413	3393126	3411942	3430862	3449888	3469019	3488256
TSR	3121200	3136290	3151454	3166691	3182001	3197385	3212844	3228378	3243986	3259670	3275430	3291266
PKD	2809934	2829941	2850090	2870383	2890820	2911403	2932132	2953009	2974035	2995210	3016536	3038014
MLP	4112920	4165133	4218008	4271555	4325782	4380697	4436309	4492627	4549660	4607417	4665907	4725140
KKD	3086293	3107812	3129481	3151301	3173273	3195398	3217678	3240113	3262704	3285453	3308361	3331428
WYD	817420	821194	824986	828795	832622	836466	840328	844208	848106	852022	855956	859908
KNR	2523003	2534701	2546452	2558259	2570120	2582036	2594007	2606034	2618116	2630255	2642449	2654701
KSD	1307375	1318180	1329074	1340059	1351134	1362301	1373560	1384912	1396357	1407898	1419534	1431266

**TABLE 4.4 RURAL HOUSEHOLD & POPULATION IN KERALA**

RURAL	No of Households	Population			Population in the age group 0-6 person		
		Total	Male	Female	Total	Male	Female
<b>Kerala</b>	<b>4149641</b>	<b>17471135</b>	<b>8408054</b>	<b>9063081</b>	<b>1823664</b>	<b>927888</b>	<b>895776</b>
<b>TVM</b>	390963	1529831	724864	804967	147990	75300	72690
<b>KLM</b>	376679	1448217	680687	767530	137559	69705	67854
<b>PTA</b>	287615	1065799	499820	565979	86181	43601	42580
<b>ALP</b>	248616	979643	464713	514930	89414	45728	43686
<b>KTM</b>	346899	1409158	692673	716485	125143	63745	61398
<b>IDK</b>	267208	1056929	527245	529684	100459	51160	49299
<b>EKM</b>	259915	1048025	518510	529515	93614	47778	45836
<b>TSR</b>	250877	1024794	488303	536491	100977	51631	49346
<b>PKD</b>	482285	2133124	1031466	1101658	231892	117763	114129
<b>MLP</b>	448037	2295709	1095308	1200401	320051	162918	157133
<b>KKD</b>	235703	1013721	484784	528937	114602	58254	56348
<b>WYD</b>	183375	785840	386283	399557	88727	45158	43569
<b>KNR</b>	202229	882017	425682	456335	95223	48428	46795
<b>KSD</b>	169240	798328	387716	410612	91832	46719	45113

**TABLE 4.5 URBAN HOUSEHOLD & POPULATION IN KERALA**

URBAN	No of Households	Population			Population in the age group 0-6 person		
		Total	Male	Female	Total	Male	Female
<b>Kerala</b>	3704113	15934926	7619358	8315568	1649291	840356	808935
<b>TVM</b>	446914	1771596	856814	914782	159071	81077	77994
<b>KLM</b>	292696	1187158	566281	620877	116701	59194	57507
<b>PTA</b>	35069	131613	61896	69717	10656	5401	5255
<b>ALP</b>	287342	1148146	548429	599717	102632	52716	49916
<b>KTM</b>	140397	565393	275616	289777	49343	25078	24265
<b>IDK</b>	12604	52045	25563	26482	5182	2625	2557
<b>EKM</b>	554096	2234363	1101047	1133316	210628	107404	103224
<b>TSR</b>	508333	2096406	992460	1103946	202973	104231	98742
<b>PKD</b>	154935	676810	328012	348798	70405	35933	34472
<b>MLP</b>	345962	1817211	865020	952191	253990	129214	124776
<b>KKD</b>	462007	2072572	986158	1086414	221043	112175	108868
<b>WYD</b>	7519	31580	15401	16179	3597	1836	1761
<b>KNR</b>	352069	1640986	755764	885222	179095	90731	88364
<b>KSD</b>	104170	509047	240897	268150	63975	32741	31234

**TABLE 4.6 HOUSEHOLD& POPULATION IN KERALA,2011 CENSUS**

Name	No of Households	Population			Population in the age group 0-6 Person		
		Total	Male	Female	Total	Male	Female
<b>Kerala</b>	7853754	33406061	16027412	17378649	3472955	1768244	1704711
TVM	837877	3301427	1581678	1719749	307061	156377	150684
KLM	669375	2635375	1246968	1388407	254260	128899	125361
PTA	322684	1197412	561716	635696	96837	49002	47835
ALP	535958	2127789	1013142	1114647	192046	98444	93602
KTM	487296	1974551	968289	1006262	174486	88823	85663
IDK	279812	1108974	552808	556166	105641	53785	51856
EKM	814011	3282388	1619557	1662831	304242	155182	149060
TSR	759210	3121200	1480763	1640437	303950	155862	148088
PKD	637220	2809934	1359478	1450456	302297	153696	148601
MLP	793999	4112920	1960328	2152592	574041	292132	281909
KKD	697710	3086293	1470942	1615351	335645	170429	165216
WYD	190894	817420	401684	415736	92324	46994	45330
KNR	554298	2523003	1181446	1341557	274318	139159	135159
KSD	273410	1307375	628613	678762	155807	79460	76347

**TABLE 4.7 Districtwise Population, Density and Sex Ratio**

District	1991			2001			2011		
	Population	Sex Ratio	Density	Population	Sex Ratio	Density	Population	Sex Ratio	Density
TVM	2946650	1036	1344	3234356	1060	1476	3301427	1087	1508
KLM	2407566	1035	967	2585208	1069	1038	2635375	1113	1061
PTA	1188332	1062	451	1234016	1094	468	1197412	1132	452
ALP	2001217	1051	1415	2109160	1079	1492	2127789	1100	1504
KTM	1828271	1001	828	1953646	1025	885	1974551	1039	895
IDK	1078066	975	242	1129221	993	259	1108974	1006	255
EKM	2817236	1000	926	3105798	1019	1012	3282388	1027	1072
TSR	2737311	1085	903	2974232	1092	981	3121200	1108	1031

PKD	2382235	1061	532	2617482	1066	584	2809934	1067	627
MLP	3096330	1053	872	3625471	1066	1021	4112920	1098	1157
KKD	2619941	1027	1118	2879131	1057	1228	3086293	1098	1316
WYD	672128	966	315	780619	995	366	817420	1035	384
KNR	2251727	1049	759	2408956	1090	812	2523003	1136	852
KSD	1071508	1026	538	1204078	1047	604	1307375	1080	657
<b>Total</b>	<b>29098518</b>	<b>1036</b>	<b>749</b>	<b>31841374</b>	<b>1058</b>	<b>820</b>	<b>33406061</b>	<b>1084</b>	<b>860</b>

**TABLE 4.8 Percentage Decadal Variation in Population for State & Districts: 1901-2011**

State/ District	Percentage Decadal Variation										
	1901- 11	1911- 21	1921- 31	1931- 41	1941- 51	1951- 61	1961- 71	1971- 81	1981- 91	1991- 01	2001- 11
Kerala	<b>11.75</b>	<b>9.16</b>	<b>21.85</b>	<b>16.04</b>	<b>22.82</b>	<b>24.76</b>	<b>26.29</b>	<b>19.24</b>	<b>14.32</b>	<b>9.43</b>	<b>4.91</b>
TVM	17.54	17.02	28.58	18.46	30.81	31.38	26.03	18.08	13.5	9.76	2.07
KLM	14.7	18.61	26.38	22.71	29.63	31.59	25.88	18.27	10.68	7.38	1.98
PTA	14.78	18.56	27.24	20.5	24.78	23.48	15.75	9.44	5.6	3.84	-2.97
ALP	14.83	18.53	24.75	13.63	18.58	20.45	19.01	11.62	7.28	5.39	0.88
KTM	8.31	19.96	32.38	21.66	20.11	16.04	17.13	10.29	7.71	6.86	1.07
IDK	108.75	9.23	72.53	30.37	35.69	74.94	31.89	25.99	10.45	7.01	-1.79
EKM	13.85	7.35	24.58	19.27	18.91	21.93	27.49	17.43	11.42	9.35	5.69
TSR	12.65	5.72	22.14	16.17	21.53	20.32	26.09	14.6	12.2	8.66	4.94
PKD	7.31	4.18	10.22	8.9	18.45	12.79	23.06	21.3	16.52	9.88	7.35
MLP	9.64	2.17	14.44	11.73	17.67	20.67	33.8	29.43	28.87	17.09	13.45
KKD	7.34	3.55	17.51	11.95	25.14	25.71	29.81	23.25	16.69	9.89	7.2
WYD	9.85	2.69	8.26	15.89	59.17	62.6	50.35	33.87	21.32	16.14	4.71
KNR	6.73	2.37	14.52	12.16	21.68	30.24	31.82	24.34	16.63	6.98	4.73
KSD	7	3.82	17.56	13.33	20.08	24.6	33.36	27.78	22.78	12.37	8.58



# **LIST OF INSTITUTIONS**

## A1-District TB Centres

Sl.No	District	TB Unit/ 5 lakh Population	Phone No.
1	District TB Centre, Thiruvananthapuram 0471-2464470	Thiruvananthapuram,DTC	0471-2464470
2		Nemom THQH	0471-2390276
3		Peroorkada, DH	0471-2432071
4		Puthenthope CHC	0471-2750023
5		Chirayinkeezhu THQH	0470-2646565
6		Neyyattinkara GH	0471-2221935
7		Nedumangadu DH	0472-2802262
8	District TB Centre, Kollam 0474 - 2748985	Karunagapally, Chest disease	0476-2620257
9		Kottarakkara THQH	0474-2452610
10		Punalur THQH	0475-2228702
11		Nedungolam TH	0474-2512324
12		Kollam DTC	0474- 2748985
13	District TB Centre, Pathanamthitta 0468 - 2310890	Adoor General Hospital	04734-223236
14		Thiruvalla THQH	04692-602494
15		Ranni THQH	04735-227274
16		Kozhenchery DTC	0468 -2310890
17	District TB Centre, Alappuzha 0477 - 2252861	Cherthala THQH	0478-2812693
18		Mavelikkara DH	0479-2303394
19		Karuvatta TB Clinic	0479-2491933
20		Alappuzha DTC	0477-2252861
21	District TB Centre, Kottayam 0481 - 2303965	Vaikom THQH	04829-221261
22		Kanhirapally GH	04828-202292
23		Kottayam DTC	0481-2303965
24		Changanassery GH	0481-2402329
25		Pala, Gen. Hospital	0482-2215154
26		Kuravilangadu THQH	0482-2231616
27		District TB Centre, Idukki, 0486 - 2233157	Thodupuzha, DH
28	Vandenmedu CHC		04868-277302
29	Adimaly THQH		04864-222670
30	Painavu DH		04862-232474
31	District TB Centre, Ernakulam 0484-2977153	Kochi DTC	0484-2977153
32		Eranakulam GH	0484-2216444
33		Kothamangalam THQH	0485-2822603
34		Perumbavoor THQH	0484-2523138
35		Moovattupuzha GH	0485-2832360
36		Aluva DH	0484-2629242
37		North Paravur THQH	0484-2442365
38		Angamali TH	0484-2455950
39	District TB Centre, Thrissur 0487 - 2428886	Thrissur DTC	0487 -2428886
40		Vadakkanchery DH	04884-232221
41		Chavakkad TH	0487-2501110
42		Kodungallur THQH	0480-2802394
43		Chalakkudy GH	0480-2701823
44		Irinhalakuda THQH	0480-2825213

## A2- Institutions with Palliative Care Programmes

Sl.No	District	TB Unit/ 5 lakh Population	Phone No.
45	District TB Centre, Palakkad 0491 - 2529545	Pattambi TH	0466-2213769
46		Ottapalam THQH	0466-2244480
47		Mannarkkad THQH	04924-222380
48		Chittoor THQH	04923-222385
49		Alathur THQH	04922-222322
50		Palakkad DTC	0491 -2529545
51		AttappdiTB Unit	04924-254392
52	District TB Centre, Malappuram 0483 -2761064	Malappuram DTC	0483 -2761064
53		Valanchery 24 X 7 PHC	0494-2646374
54		Vengara CHC	0494-2457242
55		Ponnani THQH	0494-2666039
56		Kondotty CHC	0496-2620241
57		Perinthalmanna DH	04933-227279
58		Tirur DH	0494-2423834
59		Chungathara CHC	04931-231550
60	District TB Centre, Kozhikode 0495 - 2740951	Kozhikode DTC	0495-2740951
61		Mukkom CHC	0495-2297260
62		Balussry TH	0496-2642150
63		Koyilandi THQH	0496-2620241
64		Vadakara DH	0496-2524259
65		Kozhikode Medical College	0495-2430074
66	District TB Centre, Wayanad 0493 - 5244149	Wayanad DTC	0493 -5244149
67		Kalpetta GH	04936-202037
68		SulthanBathery THQH	04936-221444
69	District TB Centre, Kannur 0497 - 2733491	Kannur DTC	0497-2733491
70		Payyannur TH	0498-5205716
71		Iritty TH	0490-2491280
72		Koothuparambu TH	0490-2364150
73		Thalassery GH	0490-2322150
74		Thaliparamba THQH	0460-2203298
75	District TB Centre, Kasargode 0499 - 4222480	Kasaragode DTC	0499 -4222480
76		Panathady CHC	0467-2224190
77		Kanhangadu DH	0467-2217018

District	Sl No	Name of major Hospitals
<b>Thiruvananthapuram</b>	1	Taluk Hospital, Varkala
	2	THQH, Chirayinkeezhu
	3	General Hospital, Neyyattinkara
	4	District Hospital, Nedumangadu
	5	General Hospital, Thiruvananthapuram
	6	DMH Peroorkkada
	7	TH Attingal
	8	TH Fort
	9	TH Nemom
	10	TH Vithura
	11	THQH Parassala
	12	THQH Malayinkeezhu
<b>Kollam</b>	1	District Hospital, Kollam
	2	THQH Punalur
	3	THQH Kottarakkara
	4	THQH Sasthamcotta
	5	THQH Karunagapally
	6	THQH Pathanapuram
	7	TH Neendakara
	8	TH Nedungolam
	9	TH Kadakkal
	10	TH Kundara
<b>Pathanamthitta</b>	1	DH Kozhencherry
	2	GH Pathanamthitta
	3	GH Adoor
	4	THQH Konni
	5	THQH Mallappally
	6	THQH Ranny
	7	THQH Thiruvalla
<b>Alappuzha</b>	1	THQH Haripad
	2	DH Chengannur
	3	DH Mavelikkara
	4	GH Alappuzha
	5	THQH Cherthala
	6	THQH Kayamkulam
	7	THQH Thuravoor
<b>Idukki</b>	1	DH Idukki
	2	DH Thodupuzha
	3	THQH Adimaly
<b>Idukki</b>	4	THQH Kattapana
	5	THQH Nedumkandam
	6	THQH Peerumedu
<b>Kottayam</b>	1	General Hospital Kottayam
	2	General Hospital Pala
	3	General Hospital Changanassery
	4	General Hospital Kanjirappally
	5	THQH Pampady
	6	THQH Kuravilangad

	7	THQH Vaikom
<b>Ernakulam</b>	1	GH Ernakulam
	2	GH Muvattupuzha
	3	DH Aluva
	4	THQH Kochi
	5	THQH Kothamangalam
	6	THQH Paravur
	7	THQH Perumbavoor
	8	THQH thrippunithura
	9	TH angamaly
	10	TH Karuvelippady
	11	TH Njarakal
	12	TH Piravom
	13	TH Palluruthy
	14	Th Puthenvelikkara
	15	MCH Kalamassery
	16	Cochin Cancer Research Centre
<b>Trissur</b>	1	GH Thrissur
	2	GH Irinjalakkuda
	3	DH Wadakkanchery
	4	THQH Chavakkad
	5	THQH Chalakudy
	6	THQH Kodungallur
	7	TH Kunnamkulam
	8	TH Pudukkad
	9	TH Chelakkara
<b>Palakkad</b>	1	District Hospital,Palakkad
	2	Taluk Hospital,Mannarkkad
	3	Taluk Hospital,Pattambi
	4	Taluk Hospital,Ottapalam
	5	Taluk Hospital,Chittur
<b>Palakkad</b>	6	Taluk Hospital,Alathur
	7	CHC Kongad
	8	CHC Parli
	9	CHC Pazhambalakoode
	10	CHC Kuzhalmannam
	11	CHC Vadakkanchery
	12	CHC Nanniyodu
	13	CHC Koduvayur
	14	CHC Ambalapara
	15	CHC Chalisseri
	16	CHC Alanalloor
	17	CHC Kattampazhipuam
	18	CHC Koppam
	19	CHC Agali
	20	CHC Chalavara
	21	CHC Nenmara
	22	CHC Thrithala
	23	CHC Shornur
	24	CHC Kozhinjampara

	25	CHC Cherpulassery
	26	GTSH Kottathara
<b>Malappuram</b>	1	Govt. Medical College Hospital, Mancheri
	2	District Hospital, Nilambur
	3	District Hospital, Perinthalmanna
	4	District Hospital, Thirur
	5	THQH Malappuram
	6	THQH Thirurangadi
	7	THQH Ponnani
<b>Wayanad</b>	1	DH Manathavady
	2	GH Kalpetta
	3	THQH Sulthan Bathery
	4	THQH Vythiry
	5	CHC Porunnannore
	6	CHC Periya
	7	CHC Pulpally
	8	CHC Thariyode
	9	CHC Meenangady
	10	CHC Panamaram
	11	Tribal Hospital Nalloorad
	12	FHC Vengapally
	13	FHC Noolpuzha
	14	FHC Poothady
	15	FHC Appappara
	16	FHC Pozhuthana
	17	FHC Edavaka
	18	FHC Thondernad
	19	FHC Padinjathara
	20	FHC Kottathara
	21	FHC Chethalayam
	22	FHC Meppadi
	23	FHC Ambalavayal
	24	FHC Cheeral
	25	FHC Vellamunda
	26	PHC Valad
	27	PHC Chulliode
	28	PHC Vazhavatta
	29	PHC Varadoor
	30	PHC Sugandhagiri
	31	PHC Mooppainad
	32	PHC Pakkom
	33	PHC Mullenkolly
	34	PHC Kurukkanmoola
	35	PHC Begur
	36	PHC Kappukunnu
<b>Kozhikkode</b>	1	General Hospital, Kozhikkode
	2	District Hospital, Vadakara
	3	THQH Koilandy
	4	TH Feroke
	5	TH Kuttiadi

	6	TH Nadapuram
	7	TH Tamarassery
	8	TH Perambra
	9	TH Balussery
<b>Kannur</b>	1	DH Kannur
	2	GH Thalassery
	3	TH Kuthuparamba
	4	TH Payyannur
	5	TH Peravoor
	6	THQH Thaliparamba
	7	TH Iritty
<b>Kannur</b>	8	TH Pazhayangadi
	9	TH Peringome
<b>Kasargod</b>	1	District Hospital Kanhangad
	2	General Hospital Kasaragod
	3	THQH Mangalpady
	4	THQH Panathady (Poodamkallu)
	5	THQH Bedadka
	6	THQH Nileshwaram
	7	TH Thrikaripur

### A3- CATH LABS UNDER DHS

<b>District</b>	<b>Institution</b>
<b>Thirvananthapuram</b>	GH Thirvananthapuram
<b>Kollam</b>	D H Kollam
<b>Pathanamthitta</b>	G H Pathanamthitta
<b>Kottayam</b>	GH Kanjirappally
<b>Eranakulam</b>	G H Ernakulam
<b>Thrissur</b>	DH Thrissur
<b>Palakkad</b>	DH Palakkad
<b>Malappuram</b>	G H Manjeri
<b>Kozhikkod</b>	GH Kozhikkod
<b>Kannur</b>	DH Kannur
<b>Kasaragod</b>	DH Kanjanghad

**A4-DIALYSIS UNITS UNDER HEALTH SERVICE**

District	No of hospitals	Dialysis units
Alappuzha	1	Taluk Head Quarters Hospital, Harippad
	2	GH Alappuzha
	3	THQH, Thuravoor
	4	DH Chengannoor
	5	DH Mavelikkara
	6	THQH Kayamkulam
	7	THQH Cherthala
Ernakulam	8	General Hospital, Ernakulam
	9	General Hospital, Muvattupuzha
	10	District Hospital, Aluva
	11	THQH, Perumbavoor
	12	THQH North Paravur
	13	THQH, Thrippunithura
	14	THQH, Fort Kochi
	15	TH, Piravom
	16	MCH Ernakulam
Idukki	17	DH, Thodupuzha
	18	DH Idukki
	19	THQH Kattappana
Kannur	20	DH Kannur
	21	GH Thalassery
	22	TH Kuthuparamba
	23	TH Pazhayangadi
	24	THQH Thaliparamba
	25	TH Peravoor
	26	TH Iritty
	27	GMCH
	28	Urban Dialysis Center -Mattannur
	29	Urban Dialysis Center -Edakkad
	30	TH Payyannur
Kasaragode	31	General Hospital, Kasaragod
	32	DH Kanhangad
	33	TH Thrikaripur
	34	TH Mangalpady
	35	CHC Periya
	36	TH Nileshwar
	37	CHC Muliya
Kollam	38	District Hospital, Kollam
	39	THQH Karunagapally
	40	THQH Kottarakkara
	41	THQH Punalur



	42	THQH Sasthamcotta
	43	THQH Kadakkal
	44	TH Nedungolam
	45	TH Neendakara
	46	GMC Parippally
Kottayam	47	D H, Kottayam
	48	PHC Eratupetta
	49	THQH Vaikam
	50	GH Pala
Kozhikode	51	DH Vatakara
	52	GGH
	53	TH Kuttiyadi
	54	TH Balussery
	55	TH Perambra
	56	TH Thamarassery
	57	TH Feroke
	58	TH Koyilandy
Malappuram	59	DH Tirur
	60	THQH Tirurangadi
	61	THQH Ponnani
	62	CHC Maranchery
	63	CHC Chungathara
	64	CHC Valavannur
	65	DH Nilambur
	66	GMCH Manjeri
	67	PHC Tanalur
	68	DH Perinthalmanna
Palakkad	69	District Hospital, Palakkad
	70	Taluk Head Quarters Hospital, Ottappalam
	71	Govt Tribal Spl Hospital, Kottathara, Attappady
	72	CHC Chalisserry
	73	THQH Mannarkkad
	74	THQH Chittur
	75	THQH Alanallur
	76	CHC Shornur
Pathanamthitta	77	District Hospital Kozhencherry
	78	General Hospital Pathanamthitta
	79	General Hospital Adoor
	80	THQH Thiruvalla
	81	THQH Ranni
Thiruvananthapuram	82	General Hospital, Thiruvananthapuram
	83	General Hospital, Neyyattinkara
	84	DH Nedumangadu
	85	TH Fort
	86	THQH Chirayinkeezhu

	87	THQH Parassala
	88	TH Attingal
	89	TH V arakala
	90	DH Peroorkkada
Thrissur	91	GH Thrissir
	92	THQH Chavakkad
	93	THQH Chalakudy
	94	THQH Kodungallur
	95	TH Kunnamkulam
	96	CHC Mala
	97	TH Pudukkad
	98	DH vadakkanchery
Wayanad	99	District Hospital,Mananthavady
	100	THQH SulthanBathery
	101	Taluk Head Quarters Hospital,Vythiri
	102	CHC Panamaram
	103	CHC Nalloornadu

#### A5- SPECIAL NEWBORN CARE UNITS

NO	DISTRICT	NAME OF HOSPITALS		E- MAIL ID
1	TVPM	SAT	SAT Hospital,TVPM	<a href="mailto:sathtvm@gmail.com">sathtvm@gmail.com</a>
2		W&C	Thycaud, TVPM	<a href="mailto:wchthycaud@gmail.com">wchthycaud@gmail.com</a>
3	KLM	Victoria Hospital	Victoria hospital, kollam	<a href="mailto:victoriakollam@gmail.com">victoriakollam@gmail.com</a>
4	PTA	GH	Adoor	
5	ALPY	W&C	Alappuzha	wcalpy@gmail.com
6		MCH	Alappuzha	<a href="mailto:mchalappuzha@gmail.com">mchalappuzha@gmail.com</a>
7	KTYM	MCH	Kottayam	<a href="mailto:medicalcollegekottayam@gmail.com">medicalcollegekottayam@gmail.com</a>
8		GH	Kottayam	districthospitalktm@gmail.com
9	EKLM	GH	Ernakulam	generalhospitalernakulam@gmail.com
10		MCH	Ernakulam	
11	TSR	MCH	Thrissur	
12		GH	Thrissur	districthospitalthrissur@gmail.com
13	PKD	W&C	Palakkad	<a href="mailto:wandcpkd@gmail.com">wandcpkd@gmail.com</a>
14		GTSH	Kottathara,Palakkad	
15	MLPM	GH	Manjeri, Malappuram	dhmanjeri@gmail.com
16	KKD	W&C	Kozhikode	<a href="mailto:wckozhikode@gmail.com">wckozhikode@gmail.com</a>
17		MCH	Kozhikode	
18	KNR	DH	Kannur	<a href="mailto:dhkannur@yahoo.co.in">dhkannur@yahoo.co.in</a>
19	KNR	GH	Mangattuparambu	
20	WYD	DH	Mananhavadi	

**A6-NEW BORN STABILISATION UNITS**

SL NO	DISTRICT	SL NO	NAME OF HOSPITALS		PHONE NUMBERS
1	THIRUVANANTHAPURAM	1	GH	Neyyattinkara	0471-2221935
2		2	DH	Nedumangad	0472-2802262
3		3	DH	District Model Hospital Peroorkada	0471-2432071
4		4	THQH	Chirayinkeezhu	0470-2646565
5		5	THQH	Parassala	0471-2202266
6		6	TH	Varkala	0470-2602549
7		7	TH	Fort,Tvpm	0471-2471766
8	KOLLAM	1	THQH	Kottarakkara	0474-2452610
9		2	THQH	Punalur	0475-2228702
10		3	THQH	Karunagapally	0476-2620256
11		4	TH	Kadakkal	0474-2423301
12	PATHANAMTHITTA	1	GH	Pathanamthitta	0468-2222364
13		2	GH	Adoor	04734-223236
14		3	DH	Kozhencherry	0468-2214108
15		4	THQH	Ranni	04735-227274
16		5	THQH	Thiruvalla	0469-2602494
17	ALAPPUZHA	1	DH	Mavelikkara	0479-2303394
18		2	DH	Chenganoor,Alpy	0479-2452267
19		3	THQH	Cherthala	0478-2812693
20		4	THQH	Haripad	0479-2412765
21		5	THQH	Kayamkulam	0479-2447274
22		6	TH	Thuravoor	0478-2562490
23	KOTTAYAM	1	GH	Changanacherry	0481-2402349
24		2	GH	Kanjirapally	04828-202292
25		3	GH	Pala	04822-215154
26		4	THQH	Vaikom	04829-231261
27	IDUKKI	1	DH	Thodupuzha,Idk	04862-222630
28		2	THQH	Adimaly	04864-22670
29		3	THQH	Nedumkandam,Idk	04868-232650
30	ERNAKULAM	1	GH	Muvattupuzha	0485-2832360
31		2	DH	Aluva	0484-2629242
32		3	W&C	W &C Mattanchery	0484-2224511
33		4	THQH	North Paravoor	0484-2442365
34		5	THQH	Perumbavoor	0484-2523138
35		6	THQH	Thrippunithura	0484-2777315
36	THRISSUR	1	DH	Vadakkancherry	04884-232221
37		2	THQH	Kodungallur	0480-2802394
38		3	THQH	Chalakydy	0480-2701823
39		4	THQH	Chavakkad	0487-2501110

40		5	TH	Kunnamkulam	04885-222233
41	PALAKKAD	1	THQH	Ottapalam	0466-2244480
42		2	THQH	Alathur	04922-222322
43		3	THQH	Chittur	04923-222385
44		4	THQH	Mannarkkad	04924-222380
45	MALAPPURAM	1	DH	Nilambur	04931-220351
46		2	DH	Perinthalmanna	04933-227279
47		3	DH	Tirur	0494-2423834
48		4	THQH	Tirurangadi	0494-2460372
49		5	THQH	Ponnani	0494-2663089
50		6	THQH	Malappuram	0483-2734866
51		7	TH	Wandoor	04931-247378
52		8	CHC	Edappal	0494-2685189
53	KOZHIKKODE	1	THQH	Koilandy	0496-2620241
54		2	TH	Perambra	0496-2610575
55		3	TH	Kuttiyadi	0496-2597173
56		4	TH	Thamarasserry	0495-2222098
57	WAYANAD	1	DH	Mananthavadi	04935-240265
58		2	THQH	SulthanBathery	04936-221136
59		3	CHC	Meenangady	04936-247290
60		4	GH	Kalpetta	04936-202037
61	KANNUR	1	GH	Thalassery	0490-2322150
62		2	THQH	Thaliparamba	0460-2203298
63		3	TH	Payyanur	0498-5205716
64		4	TH	Koothuparamba	0490-2364150
65	KASARGODE	1	GH	Kasaragod	0494-230080
66		2	DH	Kanjangad	0467-2217018

## A7-LIST OF BLOOD BANKS IN KERALA

Sl.No	Name of the Blood Bank	Full Postal Address	District	Govt. / Pvt.	Category
1	K.V.M.Hospital	Chertala, Alappuzha, Kerala 688524	Alappuzha	Private	BB
2	Sacred Heart Hospital	Green Gardens, Mathilakom, Cherthala, Alappuzha, Kerala 688524	Alappuzha	Private	BB
3	V S M Hospital	Thattarambalam, Mavelikkara, Alappuzha, Kerala 690103	Alappuzha	Private	BB
4	Sanjivani Multispeciality Hospital	Alacode, Kollakadavu P O, Cheriyanaad, Chengannur, Alappuzha, Kerala 690509	Alappuzha	Private	BCSU
5	Medical College Hospital	Vandanam, Alappuzha, Kerala 688005	Alappuzha	Government	BCSU
6	Women & Children Hospital	Beach Bazar.P.O, Alappuzha, Kerala 688012	Alappuzha	Government	BB
7	District Hospital, Mavelikkara	Mavelikara, Alappuzha - 690101	Alappuzha	Government	BCSU
8	Dr K M Cherian Institute of Medical Sciences	Post Box No. 20, Kallissery PO, Chengannur, Alappuzha Kerala 689124	Alappuzha	Private	BB
9	Carmel Hospital	Ashokapuram, Aluva, Ernakulam, Kerala 683101	Ernakulam	Private	BB
10	Little Flower Hospital	M.C.Road, Angamaly, Ernakulam, Kerala 683572	Ernakulam	Private	BCSU
11	Aster Medicity	Kuttysahib Road, South Chittoor P.O., Cheranelloor, Ernakulam Kerala 682027	Ernakulam	Private	BCSU
12	Amritha Institute of Medical Sciences & Research Centre	Ponekkara P. O, Ernakulam, Kerala 682041	Ernakulam	Private	BCSU
13	INHS Sanjivani	Naval Base Parade Ground, Willingdon Island, Ernakulam, Kerala 682003	Ernakulam	Defence	BB
14	Lisie Hospital	Kathrikadavu, Kaloore, Ernakulam, Kerala 682017	Ernakulam	Private	BCSU
15	Malankara Orthodox Syrian Church Medical College Hospital	Kolencherry, Ernakulam, Kerala 680311	Ernakulam	Private	BCSU
16	Medical Trust Hospital	M.G. Road, Ernakulam, Kerala 682016	Ernakulam	Private	BCSU
17	Samaritan Hospital	Pazhanganad, Kizhakambalam, Ernakulam, Kerala 680562	Ernakulam	Private	BB
18	Sunrise Institute of Medical Sciences (P) Ltd.	Seaport - Airport Road, Kakkanaad, Ernakulam,	Ernakulam	Private	BCSU

		Kerala 682 030			
19	Devamatha Hospital	Koothattukulam, Ernakulam, Kerala 686662	Ernakulam	Private	BB
20	Mar Baselius Medical Mission Hospital	NH49, Near Post office, Kothamangalam P.O., Ernakulam Kerala 686691	Ernakulam	Private	BB
21	St Joseph Hospital	Dharmagiri, Kothamangalam, Ernakulam, Kerala 686691	Ernakulam	Private	BB
22	Lakeshore Hospital & Research Centre Ltd	NH-47 Bypass, Maradu, Nettoor P.O, Ernakulam Kerala 682040	Ernakulam	Private	BCSU
23	Nirmala Medical Center	Kizhakkekara, Moovattupuzha, Ernakulam, Kerala 686661	Ernakulam	Private	BB
24	Sree Narayana Institute of Medical Sciences	Chalacka, North Kuthyathode, Ernakulam, Kerala 683594	Ernakulam	Private	BCSU
25	Sanjoe Hospital	A.M.Road, Perumbavoor, Ernakulam, Kerala 680541	Ernakulam	Private	BB
26	Rajagiri Hospital	Changamveli, Aluva, Ernakulam Kerala 683112	Ernakulam	Private	BCSU
27	Govt. Medical College Hospital	HMT Colony P.O., Kalamassery, Ernakulam, Kerala 683503	Ernakulam	Government	BCSU
28	General Hospital	Ernakulam, Kerala 682011	Ernakulam	Government	BCSU
29	IMA Voluntary Donor Blood Bank	T.D Road, Ernakulam, Kerala 682011	Ernakulam	Private	BCSU
30	Lourds Hospital	Pachalam, Ernakulam, Kerala 682012	Ernakulam	Private	BCSU
31	District Hospital	Aluva, Ernakulam, Kerala 683101	Ernakulam	Government	BCSU
32	Polakulath Narayanan Renai Medicity	Palarivattom P.O, Ernakulam, Kerala 682025	Ernakulam	Private	BCSU
33	MAGJ Hospital	Mookkannoor P.O., Angamaly, Ernakulam, Kerala 683 577	Ernakulam	Private	BB
34	AdluxMedicity and Convention Centre Pvt Ltd.	Cable Junction, Karukutty PO, Angamaly, Ernakulam 683576	Ernakulam	Private	BCSU
35	Morning Star Medical Centre	Nazareth Hill, Adimali, Idukki, Kerala 685561	Idukki	Private	BB
36	St John's Hospital	Kattappana South P.O, Idukki Kerala 685515	Idukki	Private	BCSU
37	M.M.T.Hospital, (Mundakkayam Medical Trust Hospital)	Mundakayam East P.O, Idukki, Kerala 686513	Idukki	Private	BB
38	Tata Tea Limited, General Hospital	Nullatanni, Munnar, Idukki, Kerala 685612	Idukki	Private	BB
39	Alphonsa Hospital	SH 19 Bypass, Kalladathur, Anakara, Murikkassery, Idukki Kerala 685512	Idukki	Private	BB

40	Holy Family Hospital	Muthalakodam, Thodupuzha, Idukki, Kerala 686505	Idukki	Private	BB
41	Al-Azhar Medical College & Super Speciality Hospital,	Ezhalloor P O, Kumaramangalam, Thodupuzha, Idukki, Kerala 685605	Idukki	Private	BCSU
42	Govt. Medical College Hospital (District Hospital)	<b>Painavu, Idukki, Kerala 685603</b>	Idukki	Government	BCSU
43	IMA Blood Bank Society	<b>Thodupuzha, Idukki, Kerala 685584</b>	Idukki	Private	BCSU
44	Chazhikattu Hospital (P) Ltd	<b>Thodupuzha, Idukki, Kerala 685584</b>	Idukki	Private	BCSU
45	Kannur Medical College and Hospital (Prestige edu Trust)	<b>ChovvaMathanur Road, Anjarakandy P.O., Kannur, Kerala 670612</b>	Kannur	Private	BCSU
46	St.Martin De Porres Hospital	<b>Cherukunnu PO, Kannur, Kerala 670301</b>	Kannur	Private	BB
47	Cannanore Co-Op Hospital Society	<b>Kasaragod - Kannur Road, Talap, Talap, Kannur, Kerala 670002</b>	Kannur	Co-operative	BCSU
48	Sara Memorial Medical Laboratory and Blood Bank	<b>Brigade Centre , Fort Road, Kannur Kerala 670001</b>	Kannur	Private	BCSU
49	The Payyannur Co-operative Hospital Society Ltd.	<b>South Bazar, Payyanur, Kannur, Kerala 670503</b>	Kannur	Co-operative	BB
50	Tellichery Co-Operative Hospital	<b>Thalaseery, Kannur, Kerala 670101</b>	Kannur	Co-operative	BB
51	Josgiri Hospital	<b>Thalaseery, Kannur, Kerala 670101</b>	Kannur	Private	BB
52	Govt Medical College Hospital, Pariyaram, Kannur (Kerala State Co-operative Hospital Complex & Centre for advanced Medical Services Ltd.) (Academy of Medical Science)	<b>Pariyaram, Kannur, Kerala 670503</b>	Kannur	Government	BCSU
53	District Hospital	<b>Kannur, Kerala 670017</b>	Kannur	Government	BCSU
54	General Hospital, Thalassery	<b>Thalassery, Kannur, Kerala 670101</b>	Kannur	Government	BCSU
55	Malabar Cancer Centre	<b>Moozhikkara P.O., Thalassery, Kannur, Kerala 670003</b>	Kannur	Government	BCSU
56	Aster MIMS, Chala (East), Kannur	<b>Blood Bank, Aster MIMS, Chala (East), Kannur (Dist), 670621</b>	Kannur	Private	BCSU
57	Co operative hospital society ltd, taliparamba, kannur	<b>Co operative hospital society ltd; no.c-1468 ,taliparamba,secondfloo</b>	Kannur	Private	BB

		<b>r,taliparamba,kannur district,kerala,670141</b>			
<b>58</b>	Genesis Institute of Medical Science Pvt Ltd, (Gimcare Hospital)	<b>Chala Bypass, Thottada PO, Kannur, Kerala 670007</b>	Kannur	Private	BCSU
<b>59</b>	District Hospital, Kanhangad	<b>Kanhangad, Kasaragod, Kerala 671315</b>	Kasaragod	Government	BCSU
<b>60</b>	General Hospital	<b>Kasaragod, Kerala 671121</b>	Kasaragod	Government	BCSU
<b>61</b>	S.N.Trust Medical Mission Sankars Hospital	<b>Q.S. Road, Kollam, Kerala 691001</b>	Kollam	Private	BB
<b>62</b>	Upasana Hospital	<b>Q.S. Road, N.H. 208, Kollam, Kerala 691001</b>	Kollam	Private	BB
<b>63</b>	Padmavathy Medical Foundation	<b>Sasthamkotta Road, Manakkara, Kollam, Kerala 690521</b>	Kollam	Private	BCSU
<b>64</b>	Azeezia Medical College	<b>Diamond Hill, Meeyanoor P.O., Kollam, Kerala 691537</b>	Kollam	Private	BCSU
<b>65</b>	Travancore Medical College Hospital, Medicity	<b>N.H. Bypass road, Umayanalloor, Kollam, Kerala 691589</b>	Kollam	Private	BCSU
<b>66</b>	Medical College Hospital	<b>Parippally, Kollam 691574</b>	Kollam	Government	BCSU
<b>67</b>	Bishop Benziger Hospital	<b>Beach Road, Kollam, Kerala 691001</b>	Kollam	Private	BB
<b>68</b>	District Hospital	<b>Chinnakada, Kollam, Kerala 691001</b>	Kollam	Government	BCSU
<b>69</b>	Holy Cross Hospital	<b>Kottiyam, Kollam, Kerala 691571</b>	Kollam	Private	BCSU
<b>70</b>	IMA Blood Bank	<b>Ist Floor, IMA Centre, Ashramam, Kollam, Kerala 691002</b>	Kollam	Private	BCSU
<b>71</b>	St. Joseph Hospital	<b>Anchal.P.O, Kollam, Kerala 691306</b>	Kollam	Private	BB
<b>72</b>	Taluk Head Quarters Hospital	<b>Kollam - Chenkotta Road, Kottarakara, Kollam, Kerala 691506</b>	Kollam	Government	BB
<b>73</b>	Taluk Head Quarters Hospital	<b>Panamkuttymala, Punalur, Kollam, Kerala 691305</b>	Kollam	Government	BCSU
<b>74</b>	Meditrina Hospital	<b>Kollam - Ayoor Road, Ayathil, Kollam, Kerala 691021</b>	Kollam	Private	BCSU
<b>75</b>	N S Memorial Institute of Medical Sciences ( A Unit of Kolam Dist. Co-operative Hospital Society, Ltd)	<b>NH ByPass Road, Palathara, Thattamala PO, Kollam 691020</b>	Kollam	Private	BCSU



76	Valiyath Institute of Medical Sciences	Market Road, Karunagappally, Kollam Kerala 690518	Kollam	Private	BCSU
77	Mary Queens Mission Hospital	Palampra P.O., Kanjirapally, Kottayam, Kerala 686518	Kottayam	Private	BB
78	Little Lourde Mission Hospital	Kidagoor, Kottayam, Kerala 686752	Kottayam	Private	BB
79	St Thomas Hospital	Kurisummoodu P.O., Chettipuzha, Changanacherry, Kottayam, Kerala 686104	Kottayam	Private	BB
80	MUM Hospital	Monippally P.O., Kottayam, Kerala 686636	Kottayam	Private	BB
81	Holy Ghost Mission Hospital	Muttuchira, Kottayam, Kerala 686613	Kottayam	Private	BB
82	S.H. Medical Centre	Nagampadam, Kottayam, Kerala 686001	Kottayam	Private	BCSU
83	Carmel Medical Centre	Kizhathadiyoor PO, Pala, Kottayam, Kerala 686574	Kottayam	Private	BB
84	Marian Medical Centre	Arunapuram P.O., Pala, Kottayam, Kerala 686574	Kottayam	Private	BCSU
85	Velankanni Matha Hospital Pvt. Ltd.	MC Road, Thellakom, Kottayam, Kerala 686630	Kottayam	Private	BCSU
86	Caritas Hospital	M.C. Road, Thellakom, Kottayam, Kerala 686630	Kottayam	Private	BCSU
87	Indo American Hospital	Chemmanakary, Akkarappadam P.O, Vaikom, Kottayam, Kerala 686143	Kottayam	Private	BB
88	Bharath Charitable Hospital Society	Azad Lane, Kottayam, Kerala 686001	Kottayam	Private	BCSU
89	District Hospital	Kottayam-Kumily Rd, Kottayam, Kerala 686001	Kottayam	Government	BCSU
90	I.H.M. HOSPITAL	Bharananganam, Pala, Kottayam, Kerala 686578	Kottayam	Private	BB
91	Medical College Hospital	Gandhi Nagar, Kottayam, Kerala 686008	Kottayam	Government	BCSU
92	Mar SleevaMedicityPalai	Cherpunkal, KezhuvankulamPO, Kottayam 686584	Kottayam	Private	BCSU
93	Malabar Medical College Hospital	Modakkallur, Atholi, Kozhikode, Kerala 673321	Kozhikode	Private	BCSU

94	Metromed International Cardiac Centre	Thondayad Bypass Road, Palazhi, Kozhikode, Kerala 673014	Kozhikode	Private	BB
95	Kozhikode District Co - Operative Hospital	Mini Bypass Road, Eranhipaalam, Kozhikode, Kerala 673006	Kozhikode	Co-operative	BCSU
96	Baby Memorial Hospital	Indira Gandhi Road, Arayidathupalam, Kozhikode, Kerala 673004	Kozhikode	Private	BCSU
97	KMCT Hospital	Manassery P.O, Mukkam, Kozhikode, Kerala 673602	Kozhikode	Private	BCSU
98	National Hospital	Mavoor Road, Near KSRTC Bus Stand, Kozhikode, Kerala 673001	Kozhikode	Private	BCSU
99	Malabar Institute Of Medical Sciences	Mini By-pass Road, Govindapuram, Kozhikode, Kerala 673016	Kozhikode	Private	BCSU
100	IQRAA Hospital	Malaparamba, Kozhikode, Kerala 673009	Kozhikode	Private	BCSU
101	Nirmala Hospital	Wayanad Road, Marikunnu, Vellimadukunnu, Kozhikode, Kerala 673012	Kozhikode	Private	BB
102	St. Joseph's Hospital	Agastianmoozhi, Mukkam, Kozhikkode, Kerala 673602	Kozhikode	Private	BB
103	PVS Hospital	Railway Station Road, Kozhikode, Kerala 673002	Kozhikode	Private	BCSU
104	Santhi Hospital	Omaserry, Kozhikode, Kerala 673582	Kozhikode	Private	BB
105	BadagaraSahakaranaAsupathri Ltd.	Narayana Nagar, Vadakara, Kozhikode Kerala 673101	Kozhikode	Co-operative	BCSU
106	General Hospital (Beach)	Beach P.O., Kozhikode, Kerala 673032	Kozhikode	Government	BCSU
107	Govt. W & C Hospital	Kottapparamba, Kozhikode, Kerala 673001	Kozhikode	Government	BCSU
108	Medical College Hospital	Kozhikode, Kerala 673008	Kozhikode	Government	BCSU
109	District Hospital	Vadakara, Kozhikode Kerala 673101	Kozhikode	Government	BB
110	Meitra Hospital	Mini Bypass Road, Edakkad, Kozhikode,	Kozhikode	Private	BCSU

		Kerala 673005			
111	MVR Cancer Centre & Research Institute	Choolur, Vellasser PO, Poolacode, Kozhikode, Kerala 673601	Kozhikode	Private	BCSU
112	Edappal Hospital (P) Ltd	Pattambi Road, Edappal, Malappuram, Kerala 679576	Malappuram	Private	BB
113	Malabar Institute of Medical Sciences	Changuvetty, Kottakkal P.O., Malappuram, Kerala 676503	Malappuram	Private	BCSU
114	Almas Hospital	Changuvetty, Kottakkal, Malappuram, Kerala 676503	Malappuram	Private	BCSU
115	Korambayil Hospital	East Road, Manjeri College P.O., Manjeri, Malappuram, Kerala 676122	Malappuram	Private	BCSU
116	Al-Shifa Hospital Pvt Ltd.	Ootty Road, Perinthalmanna, Malappuram, Kerala 679322	Malappuram	Private	BCSU
117	MES Medical College Hospital	Malaparamba, Palachode P.O., Perinthalmanna, Malappuram, Kerala 679338	Malappuram	Private	BCSU
118	Medical College Hospital	Vellarangal, Manjeri, Malappuram, Kerala 676121	Malappuram	Government	BCSU
119	Govt Hospital	Shanti Nagar, Perinthalmanna, Malappuram, Kerala 679322	Malappuram	Government	BCSU
120	District Hospital	Civil Station Road, Thrikandiyoor P.O, Tirur, Malappuram, Kerala 676104	Malappuram	Government	BCSU
121	Karuna Medical College Hospital	Vilayodi, Chittur, Palakkad, Kerala 678103	Palakkad	Private	BCSU
122	Valluvanad Hospital	Kanniyampuram Post, Ottapalam, Palakkad, Kerala 679104	Palakkad	Private	BCSU
123	Palakkad Blood Bank	Soorya Enclave, Opposite Palat Hospital, Civil Station Road, Palakkad Kerala 678001	Palakkad	Private	BB

124	The Palakkad District Co-operative Hospital	Rajiv Gandhi Hospital Complex, Kallekkad, Kodunthirapully P.O. Palakkad 678004	Palakkad	Co-operative	BCSU
125	District Hospital	Sultanpet, Palakkad, Kerala 678001	Palakkad	Government	BCSU
126	Ahalia Hospital	Kanal Pirivu, Palakkad, Kerala 678557	Palakkad	Private	BCSU
127	PK Das Institute of Medical Sciences	Vaniamkulam, Ottapalam, Palakkad, Kerala 679522	Palakkad	Private	BCSU
128	Kerala Medical College Hospital	Mangode, Cherpulassery, Palakkad, Kerala 679503	Palakkad	Private	BB
129	Mother Care Hospital	Vattambalam, Kumaramputhur P.O, Mannarkkad, Palakkad, Kerala 678583	Palakkad	Private	BB
130	Taluk Head Quarters Hospital, Mannarkkad	Mannarkkad PO, Palakkad 678582	Palakkad	Government	BCSU
131	Avitis Super Speciality Hospitals Pvt Ltd.	Building XX/882, Pollachi-Thrissur Main Road, Near Japamalarani Church, Nenmmara, Palakkad, Kerala 678508	Palakkad	Private	BB
132	Palakkad Institute of Medical Sciences, Walayar, Palakkad	(Run by V N Public Health and Educational Trust), 9/877, Opp. Deer Park, Walayar, Palakkad Kerala 678624	Palakkad	Private	BB
133	Lifeline Super Speciality Hospital	14th Mile, Melood P.O, Adoor, Pathanamthitta, Kerala 691554	Pathanamthitta	Private	BCSU
134	Muthoot Health Care Private Limited	College Road, Kozhencherry, Pathanamthitta, Kerala 689641	Pathanamthitta	Private	BCSU
135	Fellowship Mission Hospital	Vellikara, Kumbanad, Thiruvalla, Pathanamthitta, Kerala 689547	Pathanamthitta	Private	BB
136	Chithra Hospital	Main Central Rd, Kadakkadu, Pandalam, Pathanamthitta, Kerala 689501	Pathanamthitta	Private	BB
137	Tiruvalla Medical Mission Hospital	Tiruvalla, Pathanamthitta, Kerala 689101	Pathanamthitta	Private	BCSU
138	Pushpagiri Hospital	Thiruvalla, Pathanamthitta, Kerala 689101	Pathanamthitta	Private	BCSU

139	Believers Church Medical College Hospital	St.Thomas Kuttapuzha Thiruvalla, Pathanamthitta, 689103	Nagar, P.O., Kerala	Pathanamthitta	Private	BCSU
140	MGM Muthoot Medical Centre	Ring Road, Pathanamthitta, 689645	Kerala	Pathanamthitta	Private	BB
141	Poyanil Hospital	Kozhencherry, Pathanamthitta, 689641	Kerala	Pathanamthitta	Private	BCSU
142	Mount Zion Medical College Hospital	Ezhamkulam, Pathanamthitta, 691556	Adoor, Kerala	Pathanamthitta	Private	BCSU
143	General Hospital	Pathanamthitta, 689645	Kerala	Pathanamthitta	Government	BCSU
144	Taluk Headquarters Hospital	Thiruvalla, Pathanamthitta, 689101	Kerala	Pathanamthitta	Government	BB
145	Holy Cross Hospital	Kayamkulam - Pathanapuram Road, Adoor, Pathanamthitta, Kerala 691523		Pathanamthitta	Private	BB
146	St. Gregorios Medical Mission Hospital	Parumala, Pathanamthitta, Kerala 689626		Pathanamthitta	Private	BCSU
147	Christian Mission Hospital	SH 1, Pandalam, Pathanamthitta, Kerala 689501		Pathanamthitta	Private	BB
148	Amala Institute of Medical Science	Amala Nagar P.O., Thrissur, Kerala 680555		Thrissur	Private	BCSU
149	St James Hospital	Old Highway, Chalakudy, Thrissur, Kerala 680307		Thrissur	Private	BB
150	St Josephs Hospital	Choondal, Thrissur, Kerala 680502		Thrissur	Private	BB
151	Mary Immaculate Mission Hospital	Chanthappadi, Polakkan, Engandiyoor, Thrissur, Kerala 680615		Thrissur	Private	BB
152	Modern Hospital	Kodungallur P.O., Thrissur, Kerala 680664		Thrissur	Private	BB
153	Unity Hospital (P) Ltd	Kanippayyur P.O., Kunnankulam, Thrissur, Kerala 680503		Thrissur	Private	BB
154	Maria Theresa Hospital	Kundai, Kuzhikkattusery, Mala, Thrissur, Kerala 680697		Thrissur	Private	BB
155	Mother Hospital	Pullazhi P.O., Olari, Thrissur, Kerala 680 012		Thrissur	Private	BB
156	Sacred Heart Mission Hospital	Pullur P.O., Irinjalakuda, Thrissur, Kerala 680 683		Thrissur	Private	BB
157	West Fort Hitech Hospital	Guruayoor Road, Punkunnam, Thrissur,		Thrissur	Private	BB

		Kerala 680002			
158	West Fort Hospital	Westfort, Thrissur, Kerala 680 004	Thrissur	Private	BB
159	Jubilee Mission Hospital	Fathima Nagar, Nellikunnu, Thrissur, Kerala 680006	Thrissur	Private	BCSU
160	Malankara Medical Mission Hospital	Adupooty Hills, Kunnankulam, Thrissur, Kerala 680503	Thrissur	Private	BB
161	General Hospital	Thrissur, Kerala 680020	Thrissur	Government	BCSU
162	IMA Blood Bank Complex & Research Centre	Padukkad Road, Mannumkad, Ramavarmapuram P.O., Thrissur, Kerala 680631	Thrissur	Private	BCSU
163	Medical College Hospital	Mulangunnathukavu, Thrissur, Kerala 680596	Thrissur	Government	BCSU
164	Aswini Hospital Limited, Thrissur	Karunakaran Nambiar Rd, aswani junction, Patturaikkal, opposite to Big Bazaar, Thrissur, Kerala 680020	Thrissur	Private	BB
165	Dr.Somervel CSI Mission Hospital	Karakonam P.O. Trivandrum, Kerala 695504	Trivandrum	Private	BCSU
166	NIMS Hospital	Aralumoodu, Neyyattinkara, Trivandrum, Kerala 695123	Trivandrum	Private	BCSU
167	PRS Hospital Private Limited	Killipalam, Trivandrum, Kerala 695002	Trivandrum	Private	BCSU
168	Ananthapuri Hospital and Research Institute	NH Bypass, Chacka, Trivandrum, Kerala 695024	Trivandrum	Private	BCSU
169	Kerala Institute of Medical Sciences	Anayara P.O, Trivandrum, Kerala 695029	Trivandrum	Private	BCSU
170	Sivagiri Sree Narayana Medical Mission Hospital	Puthenchanda P.O, Varkala, Trivandrum, Kerala 695145	Trivandrum	Private	BB
171	Cosmopolitan Hospitals Pvt Ltd	Pattom, Trivandrum, Kerala 695004	Trivandrum	Private	BCSU
172	Sree UthradamThirunal Hospital	Pattom, Trivandrum, Kerala 695004	Trivandrum	Private	BCSU
173	Sree Gokulam Medical College and Research Foundation	Aalamthara - Bhoothamadakki Road, Venjaramoodu, Trivandrum, Kerala 695607	Trivandrum	Private	BCSU

174	SUT Academy of Medical Science	Vencode P.O., Vattappara, Trivandrum, Kerala 695028.	Trivandrum	Private	BCSU
175	General Hospital	Red Cross Rd., Thiruvananthapuram, Kerala 695035	Trivandrum	Government	BCSU
176	Medical College Hospital	Ulloor, Thiruvananthapuram, Kerala 695011	Trivandrum	Government	BCSU
177	Regional Cancer Centre	Medical College Campus, Ulloor, Thiruvananthapuram, Kerala 695011	Trivandrum	Government	BCSU
178	Sree Chitra Thirunal Institute for Science & Technology	Medical College Campus, Ulloor, Thiruvananthapuram, Kerala 695011	Trivandrum	Government	BCSU
179	Taluk Headquarters Hospital	Chirayinkeezhu, Thiruvananthapuram, Kerala 695304	Trivandrum	Government	BB
180	W & C Hospital	CV Raman Pillai Road, Thycaud, Thiruvananthapuram, Kerala 695014	Trivandrum	Government	BCSU
181	District Hospital	Alummoodu, Neyyattinkara, Thiruvananthapuram, Kerala 695121	Trivandrum	Government	BB
182	Sri Ramakrishna Ashrama Charitable Hospital	Sasthamangalam, Thiruvananthapuram, Kerala 695010	Trivandrum	Private	BCSU
183	Neyyar Medicity	Killi, Kattakada, Thiruvananthapuram, Kerala 695572	Trivandrum	Private	BB
184	GG Hospital	Murinjalapam, Medical College PO, Thiruvananthapuram 695011	Trivandrum	Private	BB
185	Leo Hospital	Mandayapuram, Kalpetta P.O., Wayanad, Kerala 673121	Wayanad	Private	BB
186	D M Wayanad Institute of Medical Sciences	Naseera Nagar, Meppadi P.O, Kalpetta, Wayanad, Kerala 673577	Wayanad	Private	BCSU
187	District Hospital	Thazhe Angadi, Mananthavady, Wayanad, Kerala 670645	Wayanad	Government	BCSU
188	Taluk Headquarters Hospital	Police Station Road, Fairland Colony, Sulthan Bathery, Wayanad, Kerala 673592	Wayanad	Government	BCSU

Source : AIDS control society

**Appendix B**  
**Telephone Numbers**

<b>B1- Telephone Numbers of District Medical Officers, Health</b>	
District	Office Phone Number
DMO Thiruvananthapuram	<b>0471 2473257</b>
DMO Kollam	<b>0474 2795017</b>
DMO Pathanamthitta	<b>0468 2222642</b>
DMO Alappuzha	<b>0477-2251650</b>
DMO Kottayam	<b>0481 2562923</b>
	<b>0481 2562778</b>
DMO Idukki	<b>04862 233030</b>
DMO Ernakulam	<b>0484 2360802</b>
	<b>0484 2562778</b>
DMO Thrissur	<b>0487 2333050</b>
	<b>0487 2333242</b>
DMO Palakkad	<b>0491 2505189</b>
DMO Malappuram	<b>04832 736241</b>
	<b>04832 737857</b>
DMO Kozhikode	<b>04952 370540</b>
	<b>04952 370494</b>
DMO Kannur	<b>04972 700709</b>
	<b>04972 700194</b>
DMO Wayand	<b>0493 5241150</b>
	<b>0493 5240390</b>
DMO Kasagode	<b>04672 203118</b>
	<b>04672 209433</b>



## B2- Telephone Numbers of Programme Officers, DHS

Sl.No	DESIGNATION	OFFICE
1	Director of Health Services	0471-2303025 0471-2303080
2	Addl.DHS (Plg)	0471-2302292
3	Addl.DHS (Medical)	0471-2519261
4	Addl.DHS (FW)	0471-2519242
5	Addl.DHS (TB) I/C MR	0471-2519283
6	Addl.DHS (PH)	0471-2519239
7	Addl.DHS (Vig)	0471-2302869 0471-2519265
8	Addl DHS (Training & Administration)	0471-2519303
9	Dy.DHS (FW)	
10	Dy.DHS (PH & Leprocy)	0471-2302745
11	Dy.DHS (OPH)	0471-2519225
12	Dy.DHS (Dental)	0471-2519250
13	Dy.DHS(Planning)	0471-2519243
14	Asst.Dir. (PH)	0471-2519318
15	Asst. Dir (Planning)	0471-2519290
16	Dy.DHS (MH)	0471-2519275
17	Asst. Dir ( ORT)	0471-2519282
18	IUD M.O	0471-2519276
19	Director State TB cell	0471-2471544
20	SHTO	0471-2519278
21	Sr.A.O	0471-2303476 0471-2519259
22	Sr.F.O	0471-2519279
23	Jr. F O	0471-2519313
24	ELO	0471-2519333
25	L.O	0471-2519204
26	SMEMO	0471-2519230
27	DDNS	0471-2519321
28	Addl DNS	0471-2519320
29	JAMO(FW)	0471-2519275
30	JAMO (Planning)	0471-2519247
31	Demographer	0471-2519338

**C1- Days to be remembered**

<b>Sl. No</b>	<b>Date</b>	<b>Days</b>
1	12-Jan	National Youth Day
2	30-Jan	Anti-Leprosy Day
3	8-Mar	International Women's Day
4	22-Mar	World Water Day
5	24-Mar	World TB Day
6	7-Apr	World Health Day
7	11-Apr	World Motherhood Day
8	17-Apr	International Hemophilia day
9	8-May	World Red Cross Day
10	8-May	Mother's Day
11	12-May	Nurse Day
12	15-May	International Day of Family
13	21-May	Anti-Terrorism Day
14	31-May	Anti-Tobacco Day
15	June	Anti-Malaria Month
16	4-Jun	Day of Innocent Children Aggression Day
17	5-Jun	World Environment Day
18	12-Jun	World day against Child Labour
19	8 March	Women's Day
20	14-Jun	Blood Donors Day
21	26-Jun	International Day against Drug Abuses & Illicit tackling
22	1-Jul	Doctor's Day
23	11-Jul	World Population Day
24	29-Jul	ORS Day
25	August 1-7	Breast Feeding Week
26	20-Aug	World Mosquito Day
27	August 25- September 8	Eye Donation Fortnight
28	Sept. 1-7	National Nutrition Week
29	Sept. 8	World Literacy Day

30	Sept. 21	Alzheimer's Day
31	Last Sunday of september	Day of the Deaf
32	Sept. 29	Heart Day
33	1-Oct	Blood Donation Day & International Day for the elderly
34	2-Oct	National Sanitation Day
35	10-Oct	Mental Health Day
36	13-Oct	World Sight Day
37	13-Oct	U.N. International Day for Natural Disaster Reduction
38	16-Oct	World Food Day
39	21-Oct	Global Iodine Deficiency Disorders Control Day
40	4- Feb	World Cancer Day
41	10-Nov	World Immunization Day
42	11-Nov	National Filaria Day
43	14-Nov	World Diabetes Day & Children's Day
44	16-Nov	Pulmonary Disease Day
45	19-Nov	National Integration and Harmony Day
46	1-Dec	World Aids Day
47	3-Dec	World disabled day
48	10-Dec	Human Rights Day

# **Appendix D**

## **National Immunisation Schedule**

## Health Indicators- Definitions

1	Crude Birth Rate( CBR)	=	Number of Live birth during the year	X 1000
			Mid-year population	
2	General Fertility Rate(GFR)	=	Number of live births in a year	X 1000
			Mid-year female population in the age group (15-49) years	
3	Age Specific Fertility Rate(ASFR)	=	Number of live birth in a particular age group	X 1000
			Mid-year female population of the same age group	
4	Total Fertility Rate(TFR)	=	$\sum_{15-19}^{45-49} ASFR \text{ for female live birth}$	
5	Gross Reproduction Rate(GRR)	=	$\frac{\sum_{15-19}^{45-49} ASFR \text{ for female live birth}}{1000}$	
6	Crude Death Rate(CDR)	=	Number of deaths during the year	X 1000
			Mid-year population	
7	Infant Mortality Rate (IMR)	=	Number of infant deaths during the year	X1000
			Number of live births during the year	
8	Neo-Natal Mortality Rate(NMR)	=	Number of infant deaths < than 29 days during the year	X1000
			Number of live births during the year	
9	Early neo- natal mortality rate	=	Number of infant deaths < than 7 days during the year	X1000
			Number of live births during the year	
10	Late neo- natal mortality rate	=	Number of infant deaths of 7 days to < than 29 days during the year	X1000
			Number of live births during the year	
11	Post neo- natal mortality rate	=	Number of infant deaths of 29 days to < than one year during the year	X1000
			Number of live births during the year	
12	Peri - natal mortality rate	=	Number of still births and infant deaths of < than 7 days during the year	X1000
			Number of live births and still births during the year	
13	Still birth rate	=	Number of still births during the year	X1000
			Number of live births and still births during the year	

14	Age Specific Mortality Rate(ASMR)	=	Number of death in a particular age group	X1000
			Number of population of same age group	
15	Age specific Marital Fertility Rate(ASMFR)	=	No. of live birth in a particular age group	X1000
			Midyear married female population of same age group	
16	General Marital Fertility Rate (GMFR)	=	No. of live birth in a year	X1000
			Midyear married female population of same age group (15-49)	
17	Total Marital Fertility rate(TMFR)	=	$\frac{45-49}{5} \sum_{15-19} ASMFR$	
			<b>1000</b>	
18	Child Mortality Rate	=	<b>Number of Death of Children below the age of 5</b>	X 1000
			<b>Total Population of children below the age of 5</b>	
19	Maternal Mortality Ratio (MMR)	=	<b>Number of Deaths due to puerperal causes</b>	X100000
			<b>Number of Live Births</b>	
20	% of Effective Couple Protection Rate	=	<b>Number of Coup[les Effectively Protected</b>	X100
			<b>Total Number of Eligible Couples</b>	
21	Life Expectancy at Birth	=	<b>Total Person-years lived by the birth Cohort</b>	X1000
			<b>The size of birth Cohort</b>	
22	Natural Growth Rate	=	$(P_2 - P_1)$	X 100
			$(P_1 - P_2)$ Population at Successive Decennial Censuses	





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