



DIRECTORATE OF HEALTH SERVICES

VANCHIYOOR PO, THIRUVANANTHAPURAM



HEALTH AT A GLANCE 2020-21

Prepared by

HEALTH INFORMATION DIVISION

(Statistics)

CONTRIBUTORS

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PREFACE

This publication titled “Health at a Glance 2020-21” provides the basic statistics and an insight into the scenario of health sector in Kerala. The publication provides details of various health infrastructure like number of facilities, human resources etc and also 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 also be a good source of reference to academicians and research scholars.

I appreciate the efforts taken by the Health Information Cell of Directorate of Health Services and the district statisticians whose combined efforts at large had contributed to this publication.

Place: Thiruvananthapuram

Date: 22-09-2022

Dr Preetha P P

Director of Health Services

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 ChildHealth
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

Sl No	Abbreviation	Description
27	OPD	Out Patient Department
28	IPD	In Patient Department
29	AEFI	Adverse Event Following Immunization
30	HIV	Human Immuno Virus
31	TB	TuberculoBacillus
32	LEP	Leprosy Eradication Programme
33	ICU	Intensive Care Unit
34	ANC	AnteNatal 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. FACTSHEET



2020-21 FACTSHEET

KERALA

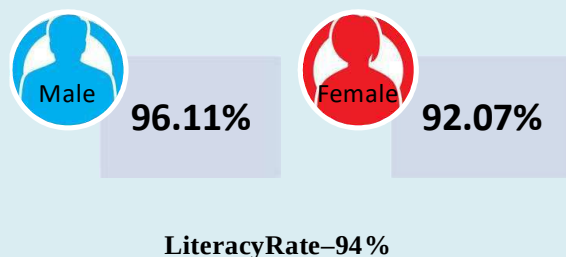
1. GENERAL INFORMATION

Geographical Area(Km ²)	38863
Rural Area(Km ²)	35611.14
Urban Area(Km ²)	3251.86
Districts	14
Taluks	77
Panchayaths	941
Number of Panchayath wards	15962
Blocks	152
Revenue Villages (including group village)	1664
Towns	520
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

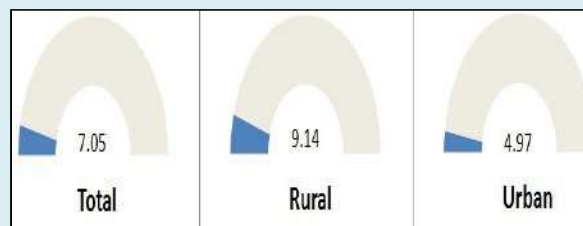
2. POPULATION (2011 CENSUS)

Population	Total	33406061
	Male	16027412
	Female	17378649
	Urban	17471135
	Rural	15934926
SexRatio		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
SexRatio(Child)		964
Population density(Persons/Km ²)		860

3. LITERACY RATE (CENSUS 2011)



4. PERCENTAGE OF POPULATION BELOW POVERTY LINE 2011-12 (RBI)



5. NUMBER OF MAJOR HEALTH FACILITIES UNDER DHS

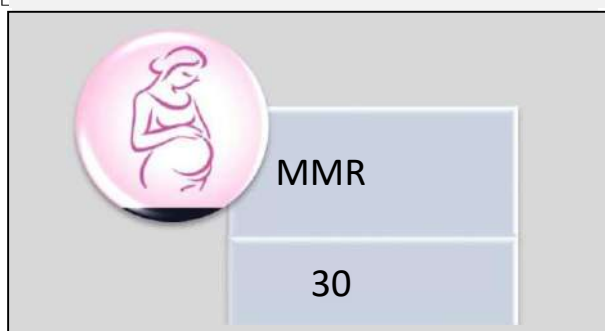


Type of Facility	Number
District Hospitals (DH)	18
General Hospitals (GH)	18
Women & Child Hospitals (W&C)	8
Taluk Head Quarters Hospitals (THQH)	48
Taluk Hospitals (TH)	39
Community Health Centers (CHC)	227
CHCs converted to/selected for Family Health Centers	41
Primary Health Centers (PHC & 24x7)	5
PHCs converted/selected for FHC	737

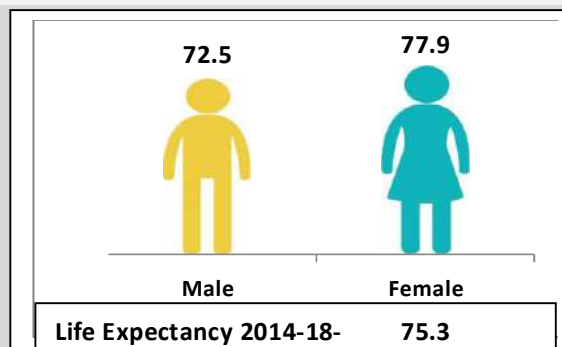
6. BIRTH RATE AND MORTALITY RATES (SRS 2019)



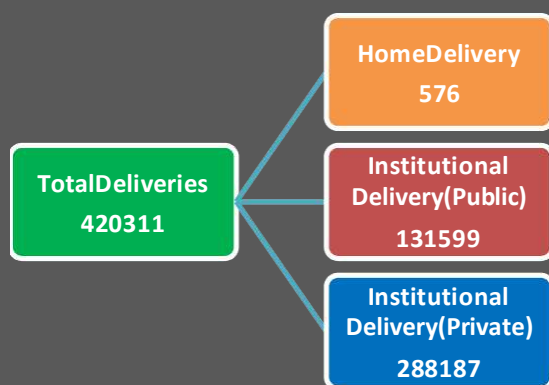
6.1 MATERNAL MORTALITY RATIO (MMR) SRS 2017-19



7. LIFE EXPECTANCY



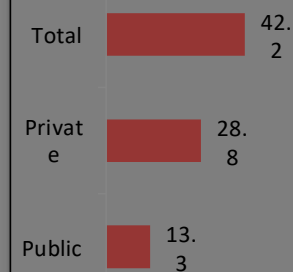
8. DELIVERIES 2020-21 (SOURCE: HMIS)



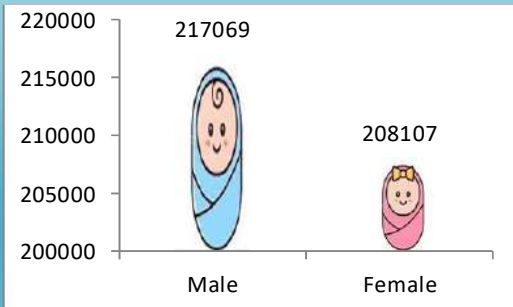
Proportion of Institutional Deliveries

99.9%

C-Section Rate

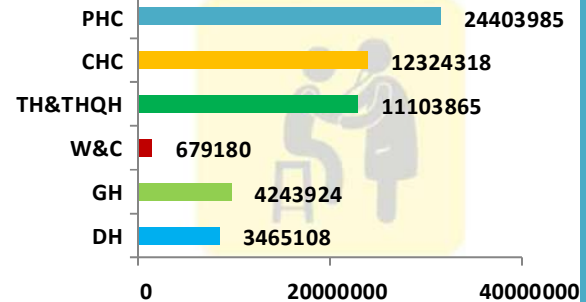


9. LIVE BIRTH 2020-21 (SOURCE: HMIS)



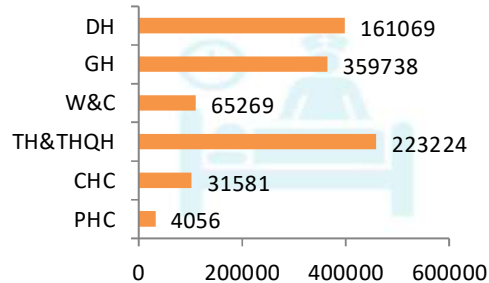
LiveBirth2020-21 - 425176

10. OPD by TYPE OF FACILITY 2020-21 (SOURCE: HMIS)



Total Public OPD (including UPHC and excluding MCH) - 100,707,087

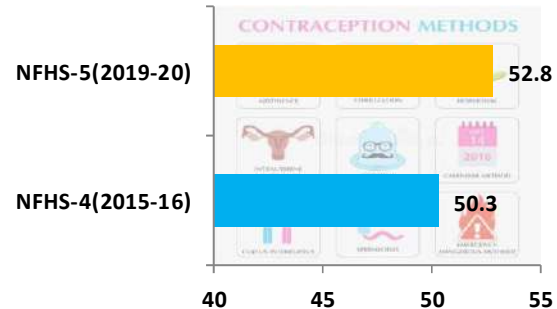
11. IPD BY TYPE OF FACILITY 2020-21 (HMIS)



Total Public IPD (excluding MCH) - 150,1645

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

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



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



2020-21
Fully Immunized 90%
Partially Immunized 9%
Unimmunized 1%

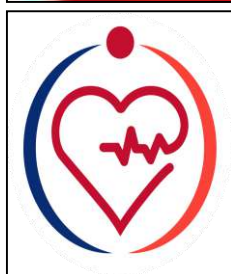
14. AEFI DEATHS 2020-21 (SOURCE: SAFEVAC)



ADVERSE EVENT FOLLOWING IMMUNIZATION (AEFI) DEATHS 2020-21

10

15. PREVALANCE RATE OF DISEASES IN KERALA 2021

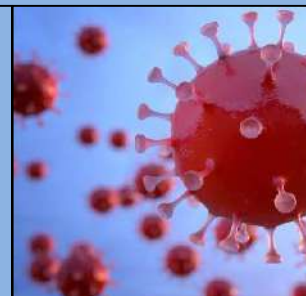


Disease	Prevalence Rate(Per1000population) 2021
Leprosy	0.20
Filaria	0.449
Malaria	0.008
Pulmonary Tuberculosis	0.407
Total TB Cases	0.626
Acute Diarrheal Diseases	7.440
Pneumonia	0.003
EntericFever	0.000
Measles	0.002
Acute Respiratory Infection	50.60
Chickenpox	0.448
Viral Hepatitis-A	0.014

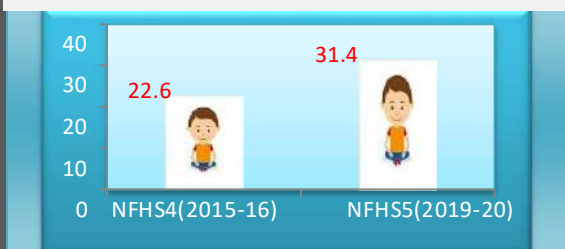
16.COVID 19 STATISTICS IN KERALA (AS ON 31.03.2021) SOURCE DHS

The first case of the COVID-19 pandemic in Kerala was confirmed in Thrissur on 30 January 2020.

Date	Confirmed Cases (Cumulative)	Recovered Cases (Cumulative)	Active Cases	Death (Cumulative)
31.03.2021	2653	2039	25249	15



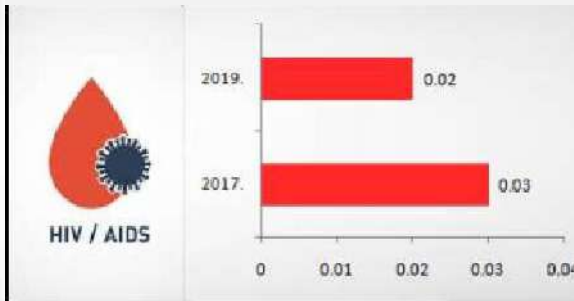
17. PERCENTAGE OF CHILDREN AGED 1-4 YEARS HAVING ANAEMIA (ANY <11.0g/DL)



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

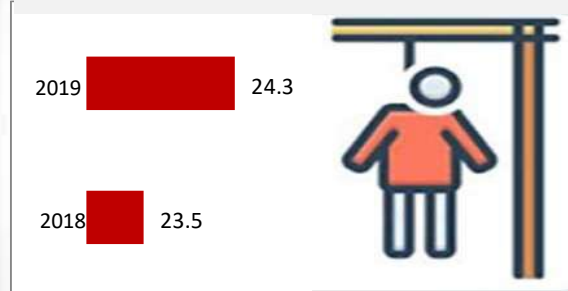


19.HIV INCIDENCE PER 1000 UNINFECTED POPULATION



Source:India,HIV estimation report 2017&2019

20.SUICIDE MORTALITY RATE (PER 1,00,000 POPULATION)



Source:National Crime Record Bureau

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
Average medical expenditure per Hospitalization in govt hospitals (excluding child birth)	4469

Source:75th Round National Sample Survey (July 2017-June 2018)

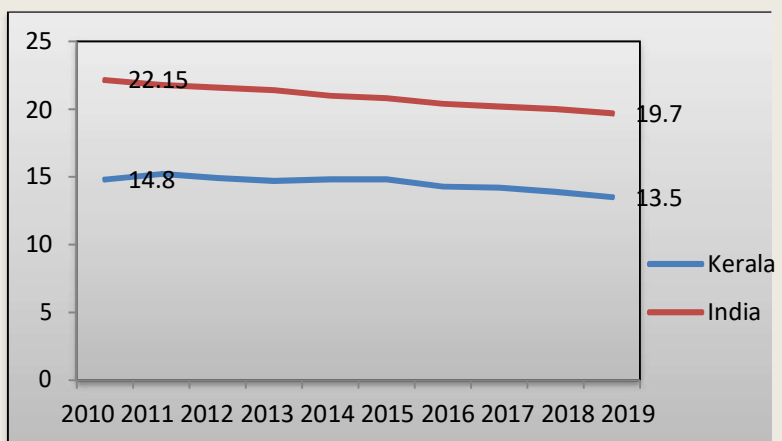


2 KEY INDICATORS OF MAJOR SURVEYS ON HEALTH

2.1 SAMPLE REGISTRATION SYSTEM (SRS)

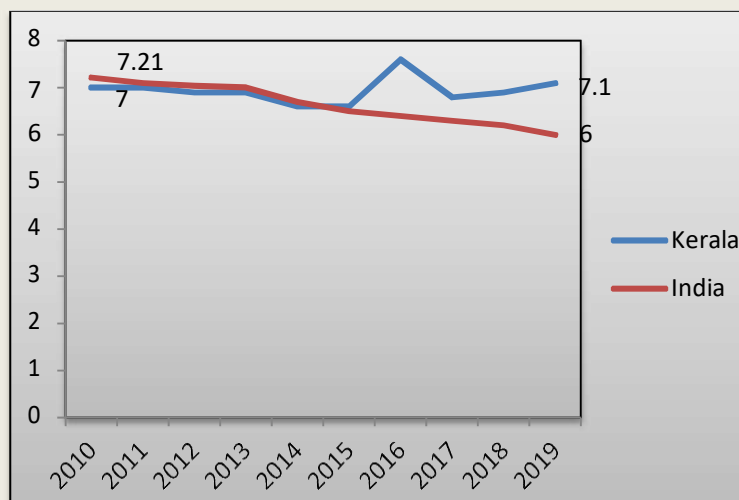
2.1.1 Timeseries Data on Major Indicators

2.1.1.1 BIRTH RATE



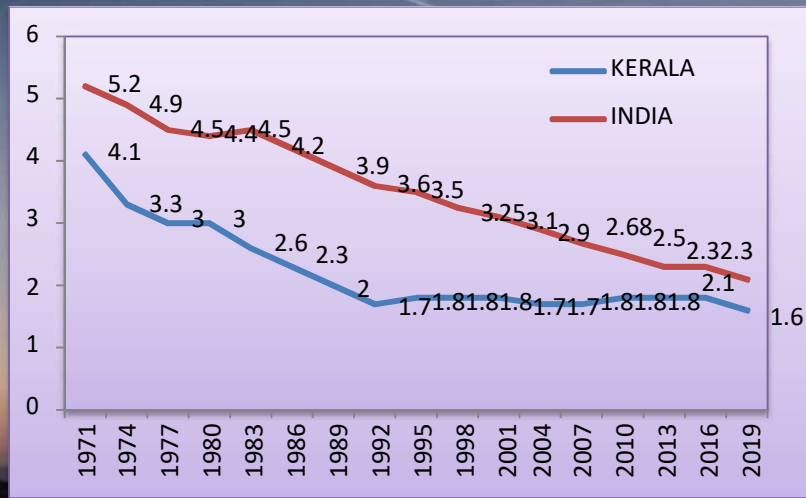
Yearwise Birth rate is presented in Table 2.1.1.1

2.1.1.2 DEATH RATE



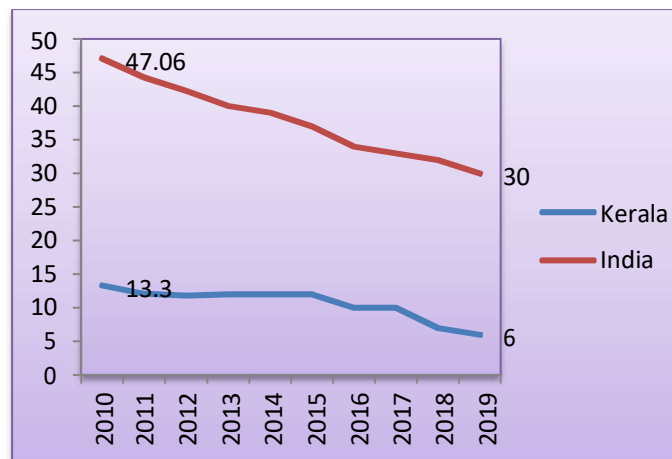
Year wise Deathrate is presented in Table 2.1.1.2

2.1.1.3 TOTAL FERTILITY RATE



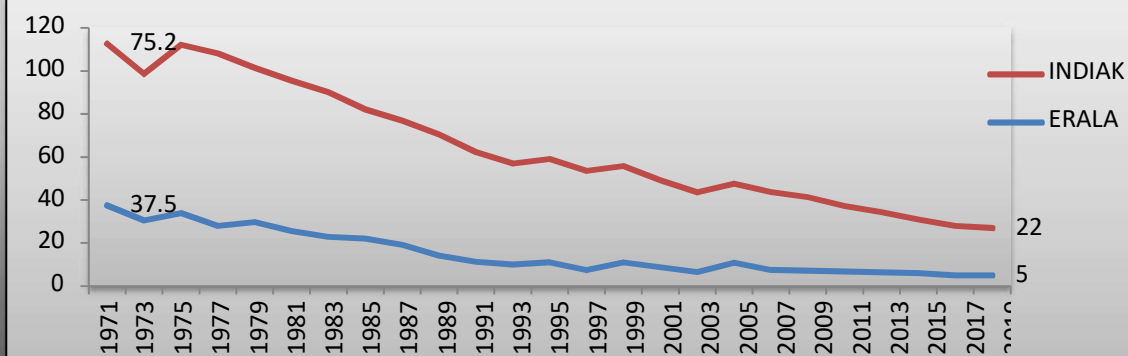
Yearwise TFR is presented in Table 2.1.1.3

2.1.1.4 INFANT MORTALITY RATE



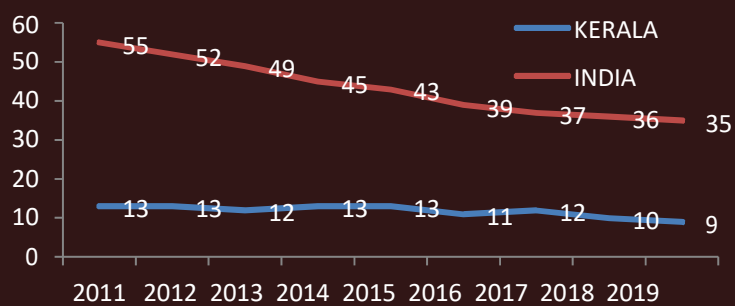
Yearwise IMR is presented in Table 2.1.1.4

2.1.1.5 NEO NATAL MORTALITY RATE (NMR)



Yearwise NMR is presented in Table

2.1.1.6 UNDER FIVE MORTALITY RATE (U5MR)



2.1.1.7 MATERNAL MORTALITY RATE (MMR)

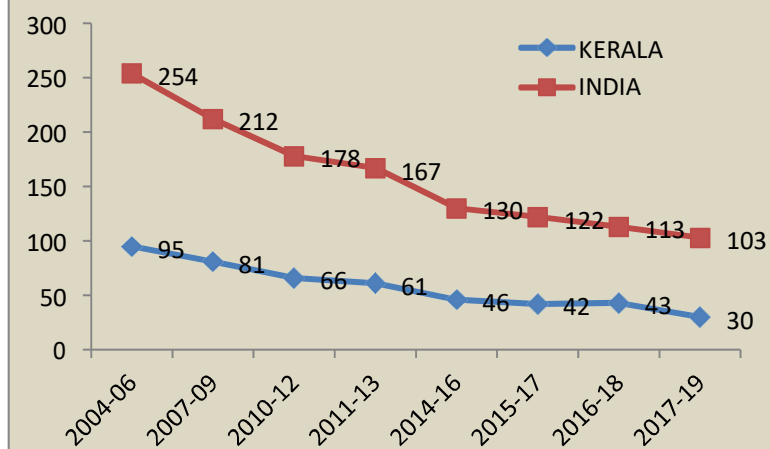


Table2.1.1.1 Birth Rate (SRS)

Year	KERALA			INDIA		
	Rural+Urban	Rural	Urban	Rural+Urban	Rural	Urban
1971	31.1	31.3	29.6	36.90	38.90	30.10
1972	31.2	31.5	29.5	36.60	38.40	30.50
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	22.7	17.4
2015	14.8	14.8	14.8	20.8	22.4	17.3
2016	14.3	14.3	14.4	20.4	22.1	17
2017	14.2	14.1	14.2	20.2	21.8	16.8
2018	13.9	13.8	14.0	20	21.6	16.7
2019	13.5	13.4	13.7	19.7	21.4	16.4

Table 2.1.1.2 Death Rate (SRS)

Year	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

Table2.1.1.3 Total Fertility Rate (TFR)						
Year	KERALA			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

Table2.1.1.4 Infant Mortality Rate (IMR)

Year	KERALA			INDIA		
	Rural+Urban	Rural	Urban	Rural+Urban	Rural	Urban
1971	58.0	60.0	48.0	129.00	138.00	82.00
1972	63.0	66.0	43.0	139.00	150.00	85.00
1973	54.0	57.0	47.0	134.00	143.00	89.00
1974	54.0	56.0	44.0	126.00	136.00	74.00
1975	54.0	57.0	36.0	140.00	151.00	84.00
1976	56.0	58.0	47.0	129.00	139.00	80.00
1977	47.0	49.0	37.0	130.00	140.00	81.00
1978	42.0	45.0	29.0	127.00	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	12.00	14.00	10.00	39.00	43.00	26.00
2015	12.00	13.00	10.00	37.00	41.00	25.00
2016	10.00	10.00	10.00	34.00	37.00	23.00
2017	10.00	9.00	10.00	33.00	37.00	23.00
2018	7.00	9.00	5.00	32.00	36.00	23.00
2019	6.00	7.00	5.00	30.00	34.00	20.00

Table2.1.1.5 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

Table2.1.1.6 UNDER 5 MORTALITY RATE (U5MR)

Year	KERALA			INDIA		
	Rural+Urban	Rural	Urban	Rural+Urban	Rural	Urban
2011	13	14	10	55	61	35
2012	13	13	10	52	58	32
2013	12	13	9	49	55	29
2014	13	14	12	45	51	28
2015	13	14	11	43	45	28
2016	11	12	10	39	43	25
2017	12	12	12	37	42	25
2018	10	11	9	36	40	26
2019	9	9	8	35	39	23

Table2. 1.1.7 Maternal Mortality Ratio (MMR)

YEAR	KERALA	INDIA
2004-06	95	254
2007-09	81	212
2010-12	66	178
2011-13	61	167
2014-16	46	130
2015-17	42	122
2016-18	43	113
2017-19	30	103

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	71.8	72.8	59.4	58	64.9
1990-94	72.7	72	73	60	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
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	68.6
2002-06	73.9	74	73.8	64.7	63.5	68.9
2003-07	74.1	74.1	74.1	65	63.8	69
2004-08	74.3	74.4	74.1	65.4	64.2	69
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	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	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	67.7	72.4
2014-18	75.3	75.4	75.1	69.4	68	72.6

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	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	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	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

2.2 MAJOR HEALTH INDICATORS (SRS2019)

Health Indicators				
Sl.No.	Indicators		Kerala	India
1	Birth Rate2019*	Rural	13.4	21.4
		Urban	13.7	16.4
		Total	13.5	19.7
2	Death Rate2019*	Rural	7.1	6.5
		Urban	7.2	5
		Total	7.1	6
		Rural Male	8.0	7.0
		Rural Female	6.2	5.9
		Urban Male	8.9	5.4
		Urban Female	5.7	4.5
		Total Male	8.5	6.5
		Total Female	5.9	5.4
		Rural	6.3	14.9
		Urban	6.4	11.4
		Total	6.4	13.8
3	Natural Growth Rate#	Rural	6.3	14.9
		Urban	6.4	11.4
		Total	6.4	13.8
4	Infant Mortality Rate 2019*	Rural	7	34
		Urban	5	20
		Total	6	30
		Rural Male	6	33
		Rural Female	8	34
		Urban Male	5	20
		Urban Female	5	21
		Total Male	6	30
		Total Female	7	31
		Rural	5	25
		Urban	4	13
		Total	5	22
5	Neo Natal Mortality Rate2019*	Rural	5	25
		Urban	4	13
		Total	5	22
6	Perinatal Mortality Rate 2019 *	Rural	6	22
		Urban	9	12
		Total	8	19
7	Child Mortality Rate 2019 *	Rural	2	10
		Urban	2	6
		Total	2	9

8	Under 5 mortality Rate 2019*	Rural	9	39
		Urban	8	23
		Total	9	35
9	Early Neo-natal Mortality Rate 2019*	Rural	4	19
		Urban	4	10
		Total	4	16
10	Late Neo-natal Mortality Rate 2019*	Rural	1	6
		Urban	0	3
		Total	1	6
11	Post Neo-natal Mortality Rate 2019*	Rural	2	8
		Urban	1	8
		Total	1	8
12	Death Rate2019*			
	(a) Children(0-4)	Rural	1.9	9.7
		Urban	1.7	5.6
		Total	1.8	8.6
	(b) Children(5-14)	Rural	0.3	0.5
		Urban	0.0	0.3
		Total	0.2	0.5
	(c)Children(15-59)	Rural	2.6	2.9
		Urban	2.3	2.4
		Total	2.4	2.7
	(d)persons (60 and above)	Rural	39.0	45.8
		Urban	44.4	34.4
		Total	41.6	42.0
	(e)Percentage of deathr eceiving medical attention*			
		Government	43.4	29.8
		Private	37.3	18.8
		Qualified professional	15.3	33.1
		Untrained/ others	4.1	18.3
13	Still Birth Rate2019 *	Rural	2	3
		Urban	5	2
		Total	3	3
14	Total Fertility Rate2019*	Rural	1.6	2.3
		Urban	1.6	1.7
		Total	1.6	2.1
15	General Fertility Rate2019 *	Rural	46.6	75.6
		Urban	46.8	55.2
		Total	46.7	68.7

16	Total Marital Fertility Rate2019 *	Rural	4.6	5.3
		Urban	4.6	4.7
		Total	4.6	5.1
17	Gross Reproduction Rate 2019#	Rural	0.8	1.1
		Urban	0.8	0.8
		Total	0.8	1.0
18	Female age at effective marriage Rate2019#			
	Below18	Rural	1.4	2.7
		Urban	0.4	1.8
		Total	0.8	2.4
	18-20	Rural	26.7	38.4
		Urban	23.0	24.4
		Total	24.5	34.6
	21+	Rural	71.9	58.9
		Urban	76.6	73.9
		Total	74.7	62.9
	All	Rural	100	100
		Urban	100	100
		Total	100	100
19	Maternal Mortality Ratio2017-19\$		30	103
20	Expectancy of Life at Birth 2014-18**	Male		
		Female		
		Total		
	#SRSBulletin2018			
	*SRSReport2018			
	**Life Table SRS 2014-18			
	\$MMR Bulletin 2017-19			



सत्यमेव जयते
Government of India

Ministry of Health and Family Welfare

NATIONAL FAMILY HEALTH SURVEY - 5

2019-20

STATE FACT SHEET

KERALA



(स्थापना / Established in 1956)

बेहतर भविष्य के लिए क्षमता निर्माण
Capacity Building for a Better Future

International Institute for Population Sciences
(Deemed University)

Kerala - Key Indicators

Indicators	NFHS-5 (2019-20)			NFHS-4 (2015-16)
	Urban	Rural	Total	Total
Population and Household Profile				
1. Female population age 6 years and above who ever attended school (%)	97.0	94.1	95.5	95.4
2. Population below age 15 years (%)	20.7	20.5	20.6	20.2
3. Sex ratio of the total population (females per 1,000 males)	1,138	1,105	1,121	1,049
4. Sex ratio at birth for children born in the last five years (females per 1,000 males)	983	922	951	1,047
5. Children under age 5 years whose birth was registered with the civil authority (%)	99.5	98.5	99.0	97.7
6. Deaths in the last 3 years registered with the civil authority (%)	98.0	96.9	97.4	na
7. Population living in households with electricity (%)	99.9	99.3	99.6	99.2
8. Population living in households with an improved drinking-water source ¹ (%)	96.4	93.6	94.9	94.8
9. Population living in households that use an improved sanitation facility ² (%)	99.0	98.5	98.7	98.2
10. Households using clean fuel for cooking ³ (%)	78.5	66.3	72.1	57.4
11. Households using iodized salt (%)	99.6	99.2	99.3	98.4
12. Households with any usual member covered under a health insurance/financing scheme (%)	47.2	55.4	51.5	47.7
13. Children age 5 years who attended pre-primary school during the school year 2019-20 (%)	33.1	25.6	29.0	na
Characteristics of Adults (age 15-49 years)				
14. Women who are literate ⁴ (%)	99.1	97.5	98.3	na
15. Men who are literate ⁴ (%)	99.2	97.4	98.2	na
16. Women with 10 or more years of schooling (%)	78.8	75.3	77.0	72.2
17. Men with 10 or more years of schooling (%)	76.8	70.2	73.3	70.5
18. Women who have ever used the internet (%)	64.9	57.5	61.1	na
19. Men who have ever used the internet (%)	78.3	74.2	76.1	na
Marriage and Fertility				
20. Women age 20-24 years married before age 18 years (%)	4.1	8.2	6.3	7.6
21. Men age 25-29 years married before age 21 years (%)	0.0	2.5	1.4	2.8
22. Total fertility rate (children per woman)	1.8	1.8	1.8	1.6
23. Women age 15-19 years who were already mothers or pregnant at the time of the survey (%)	1.8	3.0	2.4	3.0
24. Adolescent fertility rate for women age 15-19 years ⁵	15	21	18	21
Infant and Child Mortality Rates (per 1,000 live births)				
25. Neonatal mortality rate (NNMR)	2.6	4.2	3.4	4.4
26. Infant mortality rate (IMR)	3.5	5.2	4.4	5.6
27. Under-five mortality rate (U5MR)	3.9	6.4	5.2	7.1
Current Use of Family Planning Methods (currently married women age 15-49 years)				
28. Any method ⁶ (%)	61.4	60.1	60.7	53.1
29. Any modern method ⁶ (%)	50.6	54.8	52.8	50.3
30. Female sterilization (%)	43.6	49.4	46.6	45.8
31. Male sterilization (%)	0.0	0.1	0.1	0.1
32. IUD/PPIUD (%)	1.6	1.5	1.5	1.6
33. Pill (%)	0.5	0.3	0.4	0.2
34. Condom (%)	4.0	2.9	3.4	2.6
35. Injectables (%)	0.0	0.0	0.0	0.0
Unmet Need for Family Planning (currently married women age 15-49 years)				
36. Total unmet need ⁷ (%)	13.0	12.0	12.5	13.7
37. Unmet need for spacing ⁷ (%)	7.2	6.8	7.0	8.3
Quality of Family Planning Services				
38. Health worker ever talked to female non-users about family planning (%)	13.7	16.1	15.0	17.0
39. Current users ever told about side effects of current method ⁸ (%)	62.2	62.1	62.2	55.6

Note: Major indicators are highlighted in grey. The decrease in 4 or more antenatal care visits (Indicator 41) in some districts in Kerala should be interpreted with caution. The decline may be due to flooding, in-migration, or other reasons in recent years.

LHV = Lady health visitor; ANM = Auxiliary nurse midwife; na = Not available

() Based on 25-49 unweighted cases

* Percentage not shown; based on fewer than 25 unweighted cases

¹Piped water into dwelling/yard/plot, piped to neighbour, public tap/standpipe, tube well or borehole, protected dug well, protected spring, rainwater, tanker truck, cart with small tank, bottled water, community RO plant.

²Flush to piped sewer system, flush to septic tank, flush to pit latrine, flush to don't know where, ventilated improved pit (VIP)/biogas latrine, pit latrine with slab, twin pit/composting toilet, which is not shared with any other household. This indicator does not denote access to toilet facility.

³Electricity, LPG/natural gas, biogas.

⁴Refers to women/men who completed standard 9 or higher and women/men who can read a whole sentence or part of a sentence.

⁵Equivalent to the age-specific fertility rate for the 3-year period preceding the survey, expressed in terms of births per 1,000 women age 15-19.

⁶Any method includes other methods that are not shown separately; Any modern method includes other modern methods that are not shown separately.

⁷Unmet need for family planning refers to fecund women who are not using contraception but who wish to postpone the next birth (spacing) or stop childbearing altogether (limiting). Specifically, women are considered to have unmet need for spacing if they are:

- At risk of becoming pregnant, not using contraception, and either do not want to become pregnant within the next two years, or are unsure if or when they want to become pregnant.
- Pregnant with a mistimed pregnancy.
- Postpartum amenorrhoeic for up to two years following a mistimed birth and not using contraception.

Women are considered to have unmet need for limiting if they are:

- At risk of becoming pregnant, not using contraception, and want no (more) children.
- Pregnant with an unwanted pregnancy.
- Postpartum amenorrhoeic for up to two years following an unwanted birth and not using contraception.

Women who are classified as infecund have no unmet need because they are not at risk of becoming pregnant. Unmet need for family planning is the sum of unmet need for spacing plus unmet need for limiting.

⁸Based on current users of female sterilization, IUD/PPIUD, injectables, and pills who started using that method in the past 5 years.

Kerala - Key Indicators

Indicators	NFHS-5 (2019-20)			NFHS-4 (2015-16)
	Urban	Rural	Total	Total
Maternal and Child Health				
Maternity Care (for last birth in the 5 years before the survey)				
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 ⁹ (%)	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
Delivery Care (for births in the 5 years before the survey)				
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 ¹⁰ (%)	0.1	0.2	0.2	0.1
53. Births attended by skilled health personnel ¹⁰ (%)	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
Child Vaccinations and Vitamin A Supplementation				
57. Children age 12-23 months fully vaccinated based on information from either vaccination card or mother's recall ¹¹ (%)	77.6	78.0	77.8	82.1
58. Children age 12-23 months fully vaccinated based on information from vaccination card only ¹² (%)	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 ¹³ (%)	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 ¹⁴ (%)	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
Treatment of Childhood Diseases (children under age 5 years)				
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

⁹Includes 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.

¹⁰Doctor/nurse/LHV/ANM/midwife/other health personnel.

¹¹Vaccinated 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.

¹²Among 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.

¹³Not including polio vaccination given at birth.

¹⁴Since 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
Child Feeding Practices and Nutritional Status of Children				
75. Children under age 3 years breastfed within one hour of birth ¹⁵ (%)	66.8	66.6	66.7	64.3
76. Children under age 6 months exclusively breastfed ¹⁶ (%)	50.3	59.5	55.5	53.3
77. Children age 6-8 months receiving solid or semi-solid food and breastmilk ¹⁶ (%)	73.1	69.5	71.3	63.1
78. Breastfeeding children age 6-23 months receiving an adequate diet ^{16, 17} (%)	22.2	25.0	23.6	21.3
79. Non-breastfeeding children age 6-23 months receiving an adequate diet ^{16, 17} (%)	(14.3)	(30.0)	22.2	22.3
80. Total children age 6-23 months receiving an adequate diet ^{16, 17} (%)	21.5	25.4	23.5	21.4
81. Children under 5 years who are stunted (height-for-age) ¹⁸ (%)	20.1	26.4	23.4	19.7
82. Children under 5 years who are wasted (weight-for-height) ¹⁸ (%)	16.0	15.5	15.8	15.7
83. Children under 5 years who are severely wasted (weight-for-height) ¹⁹ (%)	7.0	4.6	5.8	6.5
84. Children under 5 years who are underweight (weight-for-age) ¹⁸ (%)	19.4	19.9	19.7	16.1
85. Children under 5 years who are overweight (weight-for-height) ²⁰ (%)	3.8	4.2	4.0	3.4
Nutritional Status of Adults (age 15-49 years)				
86. Women whose Body Mass Index (BMI) is below normal (BMI <18.5 kg/m ²) ²¹ (%)	9.7	10.4	10.1	9.7
87. Men whose Body Mass Index (BMI) is below normal (BMI <18.5 kg/m ²) (%)	6.9	12.7	10.0	8.5
88. Women who are overweight or obese (BMI ≥25.0 kg/m ²) ²¹ (%)	40.4	36.0	38.1	32.4
89. Men who are overweight or obese (BMI ≥25.0 kg/m ²) (%)	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
Anaemia among Children and Adults				
92. Children age 6-59 months who are anaemic (<11.0 g/dl) ²² (%)	38.9	39.8	39.4	35.7
93. Non-pregnant women age 15-49 years who are anaemic (<12.0 g/dl) ²² (%)	37.0	36.1	36.5	34.7
94. Pregnant women age 15-49 years who are anaemic (<11.0 g/dl) ²² (%)	35.4	27.1	31.4	22.6
95. All women age 15-49 years who are anaemic ²² (%)	37.0	35.8	36.3	34.3
96. All women age 15-19 years who are anaemic ²² (%)	33.6	31.6	32.5	37.8
97. Men age 15-49 years who are anaemic (<13.0 g/dl) ²² (%)	19.5	16.4	17.8	11.8
98. Men age 15-19 years who are anaemic (<13.0 g/dl) ²² (%)	24.0	30.7	27.4	14.3
Blood Sugar Level among Adults (age 15 years and above)				
Women				
99. Blood sugar level - high (141-160 mg/dl) ²³ (%)	8.2	8.4	8.3	na
100. Blood sugar level - very high (>160 mg/dl) ²³ (%)	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 ²³ (%)	24.8	24.8	24.8	na
Men				
102. Blood sugar level - high (141-160 mg/dl) ²³ (%)	10.1	9.6	9.8	na
103. Blood sugar level - very high (>160 mg/dl) ²³ (%)	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 ²³ (%)	27.4	26.7	27.0	na
Hypertension among Adults (age 15 years and above)				
Women				
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
Men				
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

¹⁵Based on the last child born in the 3 years before the survey.

¹⁶Based on the youngest child living with the mother.

¹⁷Breastfed 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).

¹⁸Below -2 standard deviations, based on the WHO standard.

¹⁹Below -3 standard deviations, based on the WHO standard.

²⁰Above +2 standard deviations, based on the WHO standard.

²¹Excludes pregnant women and women with a birth in the preceding 2 months.

²²Haemoglobin 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.

²³Random blood sugar measurement.

Kerala - Key Indicators

Indicators	NFHS-5 (2019-20)			NFHS-4 (2015-16)
	Urban	Rural	Total	Total
Screening for Cancer among Adults (age 30-49 years)				
Women				
111. Ever undergone a screening test for cervical cancer (%)	3.8	3.2	3.5	na
112. Ever undergone a breast examination for breast cancer (%)	2.8	2.0	2.4	na
113. Ever undergone an oral cavity examination for oral cancer (%)	0.8	0.6	0.7	na
Men				
114. Ever undergone an oral cavity examination for oral cancer (%)	0.0	0.9	0.5	na
Knowledge of HIV/AIDS among Adults (age 15-49 years)				
115. Women who have comprehensive knowledge ²⁴ of HIV/AIDS (%)	35.5	34.2	34.8	43.1
116. Men who have comprehensive knowledge ²⁴ of HIV/AIDS (%)	44.2	46.4	45.4	50.8
117. Women who know that consistent condom use can reduce the chance of getting HIV/AIDS (%)	73.5	74.7	74.1	74.2
118. Men who know that consistent condom use can reduce the chance of getting HIV/AIDS (%)	82.2	86.5	84.5	84.8
Women's Empowerment (women age 15-49 years)				
119. Currently married women who usually participate in three household decisions ²⁵ (%)	93.6	94.6	94.1	92.1
120. Women who worked in the last 12 months and were paid in cash (%)	25.8	25.8	25.8	20.4
121. Women owning a house and/or land (alone or jointly with others) (%)	25.3	29.2	27.3	34.9
122. Women having a bank or savings account that they themselves use (%)	78.9	78.2	78.5	70.6
123. Women having a mobile phone that they themselves use (%)	86.2	86.9	86.6	81.2
124. Women age 15-24 years who use hygienic methods of protection during their menstrual period ²⁶ (%)	94.9	91.4	93.0	90.0
Gender Based Violence (age 18-49 years)				
125. Ever-married women age 18-49 years who have ever experienced spousal violence ²⁷ (%)	9.9	9.9	9.9	14.3
126. Ever-married women age 18-49 years who have experienced physical violence during any pregnancy (%)	0.5	0.5	0.5	1.2
127. Young women age 18-29 years who experienced sexual violence by age 18 (%)	1.8	1.3	1.6	5.0
Tobacco Use and Alcohol Consumption among Adults (age 15 years and above)				
128. Women age 15 years and above who use any kind of tobacco (%)	1.3	3.0	2.2	na
129. Men age 15 years and above who use any kind of tobacco (%)	14.0	19.6	16.9	na
130. Women age 15 years and above who consume alcohol (%)	0.2	0.3	0.2	na
131. Men age 15 years and above who consume alcohol (%)	18.7	21.0	19.9	na

²⁴Comprehensive knowledge means knowing that consistent use of condoms every time they have sex and having just one uninfected faithful sex partner can reduce the chance of getting HIV/AIDS, knowing that a healthy-looking person can have HIV/AIDS, and rejecting two common misconceptions about transmission or prevention of HIV/AIDS.

²⁵Decisions about health care for herself, making major household purchases, and visits to her family or relatives.

²⁶Locally prepared napkins, sanitary napkins, tampons, and menstrual cups are considered to be hygienic methods of protection.

²⁷Spousal violence is defined as physical and/or sexual violence.

2.4. 75TH ROUND NATIONAL SAMPLE SURVEY (JULY 2017-JUNE 2018)

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
7	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

2.4.2.KEY INDICATORS OF SOCIAL CONSUMPTION IN KERALA : HEALTH

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 CELL
IN DHS

3.1 INFRASTRUCTURE



Table 3.1.1 Number of Modern Medicine Institutions under DHS 2020-21

SL NO	DISTRICT	GH	DH	THQH	TH	CHC	24 X 7 PHC	PHC	DTBC	Others	SPECIALITY HOSPITAL					TOTAL	SUB CENTRES	GRAND TOTAL
											W&CH	MHC	TB	LEP	SPECIALITY (OTHERS)			
1	TVM	2	2	3	5	22	4	66	1	8	1	1	1	0	2	118	487	605
2	KLM	0	1	5	4	16	4	54	1	1	1	0	0	0	1	88	421	509
3	PTA	2	1	4	0	12	2	41	1	1	0	0	0	0	0	64	261	325
4	ALP	1	2	4	2	16	10	51	1	0	1	0	1	1	0	90	366	456
5	KTM	4	0	3	0	20	8	47	1	0	0	0	0	0	1	84	333	417
6	IDK	0	2	4	0	13	9	30	1	2	0	0	0	0	0	61	309	370
7	EKM	2	1	5	6	23	24	51	1	1	1	0	0	0	0	115	410	525
8	TSR	2	1	3	3	24	10	69	1	3	0	1	0	1	0	118	471	589
9	PKD	0	1	5	1	19	7	69	1	9	1	0	0	0	1	114	504	618
10	MLP	1	3	4	3	21	10	74	1	6	1	0	1	0	0	125	588	713
11	KKD	1	1	1	6	16	2	62	1	0	1	1	0	0	1	93	401	494
12	WYD	1	1	2	0	9	5	18	1	8	0	0	0	0	0	45	200	245
13	KNR	1	1	1	8	10	6	74	1	6	1	0	0	0	2	111	414	525
14	KSD	1	1	4	1	6	7	33	1	3	0	0	0	0	1	58	247	305
Total		18	18	48	39	227	108	739	14	48	8	3	3	2	9	1284	5412	6696

Table 3.1.2 Number of Institutions selected or converted as Family Health Centers
2020-21

SL NO	DISTRICT	CHC'S SELECTED OR CONVERTED AS FHC	24X7 PHC'S SELECTED OR CONVERTED AS FHC	PHC'S SELECTED OR CONVERTED AS FHC	SC Converted to FHC	TOTAL
1	TVM	2	4	66		72
2	KLM	5	4	53		62
3	PTA	5	2	40		47
4	ALP	1	10	51		62
5	KTM	7	8	47		62
6	IDK	4	9	31	1	45
7	EKM	2	24	51		77
8	TSR	2	10	69		81
9	PKD	3	7	69		79
10	MLP	5	9	74		88
11	KKD	1	2	61		64
12	WYD	2	5	18		25
13	KNR	2	6	74		82
14	KSD	0	6	33		39
15	KERALA	41	106	737	1	885

Table 3.1.3 Number of other institutions under DHS 2020-21

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 3.1.4 Bed strength in the institutions under DHS by type of institution 2020-21

Sl.No.	District	Number of institutions	Number of Beds
1	TVM	118	4786
2	KLM	88	2290
3	PTA	64	1965
4	ALP	90	3424
5	KTM	84	2823
6	IDK	61	1120
7	EKM	115	4518
8	TSR	118	3435
9	PKD	114	2819
10	MLP	125	2546
11	KKD	93	2820
12	WYD	45	1367
13	KNR	111	2966
14	KSD	58	1627
15	KERALA	1284	38506

Sanctioned number of beds are given as bed strength

Table 3.1.5 Bed strength in the District Hospitals 2020-21

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

Table 3.1.6 Bed strength in the General Hospitals 2020-21

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

Table 3.1.7 Bed strength in the Taluk Head Quarters Hospital 2020-21

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	263	1	173	4	436
4	ALP	1	106	3	526	4	632
5	KTM	2	279	1	272	3	551
6	IDK	3	260	1	30	4	290
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	83	1	42	4	125
15	KERALA	19	1846	29	4277	48	6123

Table 3.1.8 Bed strength in the Taluk Hospitals 2020-21

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	0	0	0	0
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	399	1	24	6	423
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	1282	15	1280	39	2562

Table 3.1.9 Bed strength in the Community Health Centers 2020-21

SL NO	DISTRICT	RURAL		URBAN		TOTAL	
		Number of institutions	Bed strength	Number of institutions	Bed strength	Number of institutions	Bed strength
1	TVM	19	436	1	39	20	475
2	KLM	10	267	1	16	11	283
3	PTA	7	173	0	0	7	173
4	ALP	15	398	0	0	15	398
5	KTM	13	412	0	0	13	412
6	IDK	8	172	0	0	8	172
7	EKM	20	627	1	90	21	717
8	TSR	21	756	1	18	22	774
9	PKD	14	486	2	77	16	563
10	MLP	14	322	2	64	16	386
11	KKD	12	215	3	48	15	263
12	WYD	7	209	0	0	7	209
13	KNR	7	237	1	24	8	261
14	KSD	6	140	0	0	6	140
15	KERALA	173	4850	12	376	185	5226

Table 3.1.10 Bed strength in the 24x7 Primary Health Centers 2020-21

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	0	0	0	0	0	0
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	2	34	0	0	2	34

Table 3.1.11 Bed strength in the Primary Health Centers 2020-21

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	1	16	0	0	1	16
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	3	40	0	0	3	40

Table 3.1.12 Bed strength in the modern medicine institutions selected or converted as FHC's 2020-21

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	34	72	155
2	KLM	57	163	5	12	62	175
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	44	384	0	0	44	384
7	EKM	67	868	10	82	77	950
8	TSR	70	376	11	0	81	376
9	PKD	78	680	1	0	79	680
10	MLP	83	382	5	40	88	422
11	KKD	57	128	7	30	64	158
12	WYD	23	222	2	0	25	222
13	KNR	71	566	11	24	82	590
14	KSD	38	144	1	0	39	144
15	KERALA	812	5346	72	294	884	5640

Table 3.1.13 Bed strength in the District TB centers 2020-21

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

Table 3.1.14 Bed strength in the Dispensaries/Health clinics under DHS 2020-21

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	7	46	8	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	1	0	1	0	2	0
7	EKM	0	0	1	0	1	0
8	TSR	2	0	1	0	3	0
9	PKD	9	10	0	0	9	10
10	MLP	4	0	2	36	6	36
11	KKD	0	0	0	0	0	0
12	WYD	5	0	3	0	8	0
13	KNR	2	46	4	0	6	46
14	KSD	2	0	1	0	3	0
15	KERALA	27	56	21	82	48	138

Table 3.1.15 Bed strength in the W & C Hospitals 2020-21

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	0	0	0	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	305	1	305
12	WYD	0	0	0	0	0	0
13	KNR	0	0	1	100	1	100
14	KSD	0	0	0	0	0	0
15	KERALA	0	0	8	1931	8	1931

Table 3.1.16 Bed strength in the Mental Health centers 2020-21

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	0	0	3	1366	3	1366

Table 3.1.17 Bed strength in the TB Hospitals under DHS 2020-21

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	0	0	0	0
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	560	3	572

Table 3.1.18 Bed strength in the Leprosy Hospitals under DHS 2020-21

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	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	1427	0	0	2	1427

Table 3.1.19 Bed strength in the other specialty Hospitals under DHS 2020-21

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	130	2	130
2	KLM	0	0	1	50	1	50
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	100	0	0	1	100
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	1	30	1	38	2	68
14	KSD	1	540	0	0	1	540
15	KERALA	4	820	5	480	9	1300

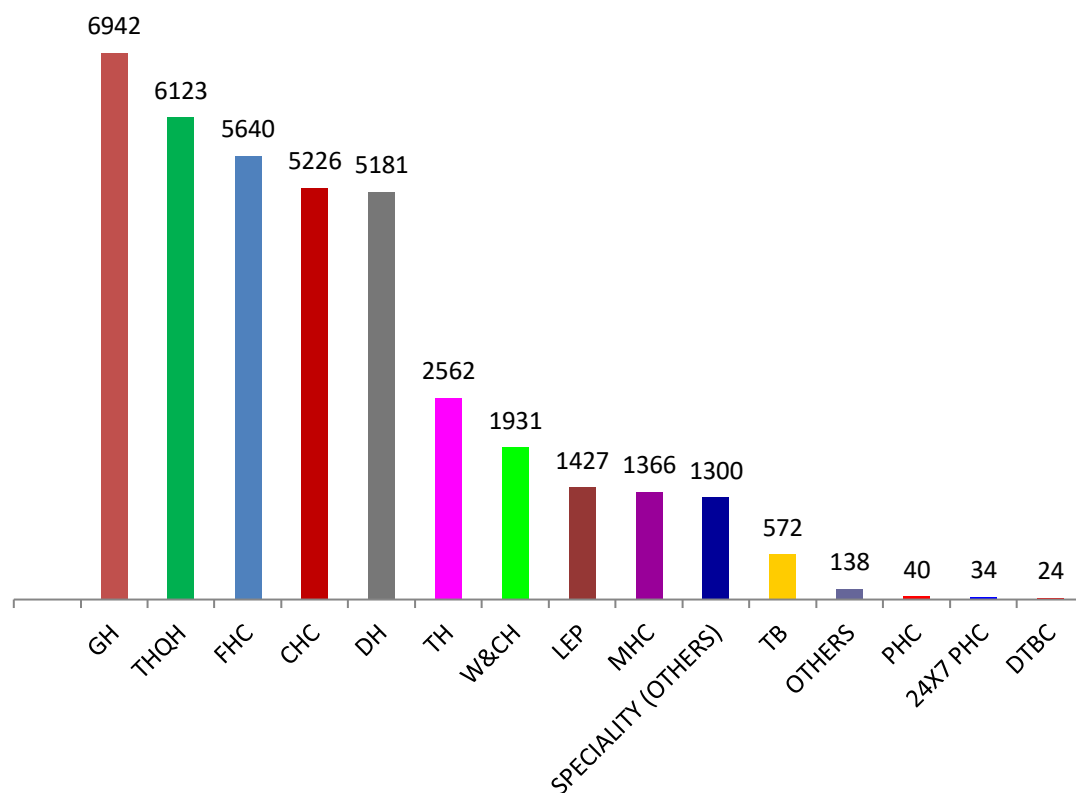


Table 3.1.20 Bed Population Ratio in the institutions under DHS 2020-21

SL NO	DISTRICT	Population (Census 2011)	No. of Beds	Ratio
1	TVM	3301427	4786	690
2	KLM	2635375	2290	1151
3	PTA	1197412	1965	609
4	ALP	2127789	3424	621
5	KTM	1974551	2823	699
6	IDK	1108974	1120	990
7	EKM	3282388	4518	727
8	TSR	3121200	3435	909
9	PKD	2809934	2819	997
10	MLP	4112920	2546	1615
11	KKD	3086293	2820	1094
12	WYD	817420	1367	598
13	KNR	2523003	2966	851
14	KSD	1307375	1627	804
15	KERALA	33406061	38506	868

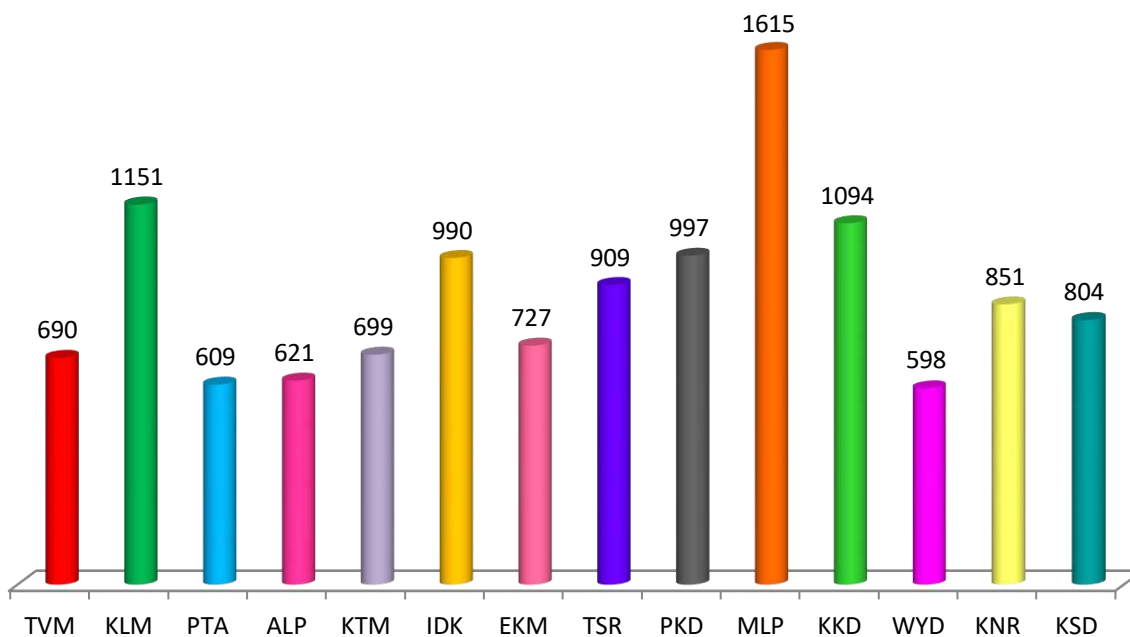


Table 3.1.21 Doctor Bed Ratio in the institutions under DHS 2020-21

SL NO	DISTRICT	No of Doctors #	No. of Beds	Ratio
1	TVM	666	4786	7.19
2	KLM	436	2290	5.25
3	PTA	352	1965	5.58
4	ALP	478	3424	7.16
5	KTM	437	2823	6.46
6	IDK	278	1120	4.03
7	EKM	578	4518	7.82
8	TSR	511	3435	6.72
9	PKD	473	2819	5.96
10	MLP	582	2546	4.37
11	KKD	454	2820	6.21
12	WYD	238	1367	5.74
13	KNR	538	2966	5.51
14	KSD	319	1627	5.10
15	DHS	23	0	0.00
	KERALA	6288	38506	6.05

Number of doctors (Administrative cadre) is not included here.

Table 3.1.22 District wise number of ICU beds and Ventilators in the institutions under DHS as on 31.03.2021

SL NO	DISTRICT	No.of ICU beds	No. of Ventilators
1	TVM	64	16
2	KLM	49	21
3	PTA	111	85
4	ALP	66	30
5	KTM	14	11
6	IDK	52	31
7	EKM	93	24
8	TSR	18	11
9	PKD	24	30
10	MLP	128	71
11	KKD	27	24
12	WYD	39	17
13	KNR	28	33
14	KSD	35	33
15	KERALA	748	437

Table 3.1.23 District wise number of Blood Banks in Kerala 2020-21

Sl.No.	District	Number of Blood Banks		
		Public	Private	Total
1	TVM	7	11	18
2	KLM	4	10	14
3	PTA	2	13	15
4	ALP	3	5	8
5	KTM	2	14	16
6	IDK	1	9	10
7	EKM	4	22	26
8	TSR	2	15	17
9	PKD	3	7	10
10	MLP	3	6	9
11	KKD	6	13	19
12	WYD	2	2	4
13	KNR	7	6	13
14	KSD	2	0	2
15	KERALA	48	133	181

Table 3.1.24 District wise number of Delivery Points in Kerala 2020-21

SL NO	DISTRICT	Under DHS							Under DME	Total
		DH	GH	W&C	GTSH	THQH	TH	CHC		
1	TVM	2	1	2	0	2	4	0	1	12
2	KLM	0	0	1	0	4	2	0	1	8
3	PTA	1	2	0	0	2	0	0	0	5
4	ALP	2	0	1	0	3	0	0	1	7
5	KTM	0	4	0	0	2	0	0	1	7
6	IDK	2	0	0	0	2	0	0	0	4
7	EKM	1	2	1	0	4	0	0	1	9
8	TSR	1	2	0	0	3	3	0	1	10
9	PKD	0	0	1	1	4	1	0	0	7
10	MLP	3	1	1	0	2	0	0	0	7
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	1	3	0	0	7
14	KSD	1	1	0	0	0	1	0	0	3
15	KERALA	16	16	9	1	32	17	1	7	99

Table 3.1.25 District wise number of Delivery points having Ultrasound scan and Blood transfusion and storage units 2020-21

SL NO	DISTRICT	No.of Delivery Points	No. of Delivery points having	
			Ultra Sound Scan	Blood Transfusion and Storage Unit
1	TVM	12	4	8
2	KLM	8	8	3
3	PTA	5	5	4
4	ALP	7	5	5
5	KTM	7	2	5
6	IDK	4	2	1
7	EKM	9	6	7
8	TSR	10	8	8
9	PKD	7	8	4
10	MLP	7	6	7
11	KKD	8	5	6
12	WYD	5	4	4
13	KNR	7	4	6
14	KSD	3	1	2
15	KERALA	99	68	70

Table 3. 1.26 District wise number of Dialysis units under DHS 2020-21

SL NO	DISTRICT	No. of Dialysis Units						
		DH	GH	THQH	TH	CHC	OTHERS	Total
1	TVM	1	2	2	2			7
2	KLM	1		3	4			8
3	PTA	1	2	2				5
4	ALP	2	1	4				7
5	KTM		1					1
6	IDK	1						1
7	EKM	1	2	4	1		1	9
8	TSR		1	3	1	1		6
9	PKD	1		3		1	1	6
10	MLP	2		3		3	2	10
11	KKD	1	1		6			8
12	WYD	1		2		1		4
13	KNR	1	1	1	4		1	8
14	KSD	1	1		1			3
15	KERALA	14	12	27	19	6	5	83

Table 3.1.27 District wise number of institutions having facilities for eye donation 2020-21

Sl.No.	District	Number of institutions having facilities for eye 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	5	5
8	TSR	1	1	2
9	PKD	0	1	1
10	MLP	0	1	1
11	KKD	1	1	2
12	WND	0	0	0
13	KNR	3	0	3
14	KSD	0	0	0
	State	10	11	21

List is given in Appendix A

Table 3.1.28 District Wise Number of New Born Stabilization Units (NBSU) 2020-21

Sl No	District	No of NBSU							TOTAL
		DH	GH	THQH	W&C	TH	CHC	Under DME	
1	TVM	2	1	2	2	2	0	0	9
2	KLM	0	0	4	0	1	0	0	5
3	PTA	1	2	0	0	0	0	0	3
4	ALP	2	3	3	0	0	0	0	8
5	KTM	0	3	0	1	0	0	0	4
6	IDK	2	0	0	2	0	0	0	4
7	EKM	1	1	1	3	0	0	0	6
8	TSR	0	0	0	2	1	0	0	3
9	PKD	0	0	0	4	0	0	0	4
10	MLP	3	0	1	2	0	0	0	6
11	KKD	0	0	1	1	3	0	1	6
12	WND	1	1	0	2	0	1	0	5
13	KNR	0	1	1	0	2	0	0	4
14	KSD	1	1	0	0	0	0	0	2
15	KERALA	13	13	13	19	9	1	1	69

List is given in Appendix A

Table 3.1.29 District Wise Number of Special New Born Care Units (SNCU) 2020-21

Sl No	District	No of SNCU							
		DH	GH	THQH	W& C	TH	CHC	Under DME	TOTAL
1	TVM	0	0	0	0	0	0	1	1
2	KLM	1	0	0	1	0	0	0	2
3	PTA	0	0	0	0	0	0	0	0
4	ALP	0	0	1	0	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	1	0	0	0	0	0	0	1
10	MLP	0	1	0	0	0	0	0	1
11	KKD	1	1	1	0	0	0	1	4
12	WND	1	0	0	0	0	0	0	1
13	KNR	1	0	0	0	0	0	0	1
14	KSD	0	0	0	0	0	0	0	0
15	KERALA	5	5	2	1	0	0	6	19

List is given in Appendix A

Table 3.1.30 District wise number of Health Sub centers by type of Building 2020-21

Sl No	District	number of Health Sub centers				
		Owned	Rented	Rent Free	Others	Total
1	TVM	280	69	60	76	485
2	KLM	241	117	51	12	421
3	PTA	153	56	31	21	261
4	ALP	172	146	37	11	366
5	KTM	225	32	45	31	333
6	IDK	223	18	41	27	309
7	EKM	281	21	50	58	410
8	TSR	282	24	39	126	471
9	PKD	464	11	2	26	503
10	MLP	522	45	19	3	589
11	KKD	274	32	24	71	401
12	WND	194	2	2	2	200
13	KNR	285	9	26	94	414
14	KSD	222	4	8	13	247
15	KERALA	3818	586	435	571	5410

Table 3.1.31 District wise number of institutions under DHS situated in Tribal Area 2020-21

Sl No	District	Number of institutions					
		DH & GH&W&C	THQH &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

Table 3.1.32 District wise number of institutions under DHS situated in Coastal Area 2020-21

Sl No	District	Number of institutions					
		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 3.1.33 AMBULANCE (ON ROAD) Status wise Abstract as On: 31-03-2021

	District	Advance Life Support	Basic Life Support	Patient Transport	Total
1	TVM	5	19	49	73
2	KLM	2	8	26	36
3	PTA	7	23	22	52
4	ALP	0	3	20	23
5	KTM	1	6	20	27
6	IDK	2	4	21	27
7	EKM	3	14	16	33
8	TSR	1	1	43	45
9	PKD	0	9	20	29
10	MLP	0	8	10	18
11	KKD	3	15	26	44
12	WND	3	5	20	28
13	KNR	3	25	18	46
14	KSD	0	0	14	14
	KERALA	30	140	325	495



Table 3.1.34 INSTITUTION WISE VEHICLES DETAIL As On: 31-03-2021

Sl 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	21	15	11	2	5	7	32	38	1	5	1	4	3	5	0	0	3	0	153
2	KLM	0	16	0	5	18	9	20	2	0	3	2	3	4	0	1	0	0	0	83
3	PTA	0	11	17	6	13	0	22	12	0	2	3	3	0	0	0	0	1	0	90
4	ALP	0	10	7	9	7	3	12	5	0	0	2	2	4	0	2	0	2	0	65
5	KTM	0	14	17	0	6	0	16	2	1	2	7	8	0	0	0	0	1	0	74
6	IDK	0	13	0	5	6	2	17	7	5	6	2	6	0	0	4	0	0	0	73
7	EKM	0	14	17	2	14	7	20	1	4	1	1	1	2	0	0	0	0	0	84
8	TSR	0	12	7	3	10	6	31	13	0	2	6	10	0	4	0	0	0	0	104
9	PKD	0	14	0	6	13	2	23	19	3	7	2	8	3	0	0	0	1	0	101
10	MLP	0	14	4	17	1	9	17	14	5	7	9	6	1	0	1	0	0	0	105
11	KKD	0	15	4	5	5	11	16	20	0	4	6	4	4	4	0	0	1	0	99
12	WND	0	8	4	14	13	0	15	8	7	2	1	5	0	0	3	0	0	0	80
13	KNR	0	23	6	10	4	27	20	10	1	1	1	3	3	0	0	0	0	0	109
14	KSD	0	12	8	8	1	8	6	1	0	0	3	5	0	0	1	0	0	0	53
	KERALA	21	191	102	92	116	91	267	152	27	42	46	68	24	13	12	0	9	0	1273

Table 3.1.35 INSTITUTION WISE VEHICLES DETAIL - ON ROAD As On : 31-03-2021

Sl 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	21	10	10	2	5	6	32	37	1	5	1	3	3	4	0	0	3	0	143
2	KLM	0	15	0	4	12	7	17	1	0	1	2	3	2	0	1	0	0	0	65
3	PTA	0	10	11	5	11	0	19	12	0	2	2	1	0	0	0	0	1	0	74
4	ALP	0	7	7	6	7	2	11	3	0	0	1	2	2	0	2	0	2	0	52
5	KTM	0	13	17	0	6	0	16	1	1	2	6	6	0	0	0	0	1	0	69
6	IDK	0	12	0	3	5	2	11	7	5	4	2	5	0	0	4	0	0	0	60
7	EKM	0	14	16	2	12	6	20	1	3	1	0	1	2	0	0	0	0	0	78
8	TSR	0	12	7	2	9	5	22	11	0	2	6	9	0	4	0	0	0	0	89
9	PKD	0	14	0	6	11	1	22	19	3	5	2	7	3	0	0	0	1	0	94
10	MLP	0	14	4	16	1	9	17	14	5	7	3	6	1	0	1	0	0	0	98
11	KKD	0	14	3	3	4	8	15	20	0	4	6	3	4	4	0	0	1	0	89
12	WND	0	8	4	12	10	0	14	7	7	2	1	5	0	0	1	0	0	0	71
13	KNR	0	12	4	8	3	22	14	7	1	1	1	2	2	0	0	0	0	0	77
14	KSD	0	8	4	6	1	4	6	1	0	0	2	5	0	0	1	0	0	0	38
	KERALA	21	163	87	75	97	72	236	141	26	36	35	58	19	12	10	0	9	0	1097

Table 3.1.36 VEHICLE TYPE WISE VEHICLES DETAIL As On : 31-03-2021

Sl No	District	Ambulance	Car	Jeep	Two Wheeler	Bus	Van	Mini Van	Mini Bus	Fire Engine	Auto Rickshaw	Spacio	GOODS CARRIER				Total
													Insulated Van	Delivery Van	Lorry	Truck	
1	TVM	73	21	15	0	1	5	1	17	0	0	10	1	1	1	0	153
2	KLM	36	10	10	3	1	2	0	11	0	0	7	2	1	0	0	83
3	PTA	52	6	6	2	0	1	1	14	0	0	5	1	2	0	0	90
4	ALP	23	1	16	4	0	0	1	10	0	0	7	0	2	0	1	65
5	KTM	27	3	15	5	0	4	1	10	0	0	7	1	1	0	0	74
6	IDK	27	6	18	6	0	0	0	8	0	0	5	0	1	2	0	73
7	EKM	33	5	14	0	0	9	3	9	0	0	10	1	0	0	0	84
8	TSR	45	1	22	5	0	2	0	13	0	1	10	4	1	0	0	104
9	PKD	29	1	45	1	0	1	0	8	0	0	13	0	3	0	0	101
10	MLP	18	10	37	13	1	4	0	8	0	0	12	0	2	0	0	105
11	KKD	44	3	10	5	1	5	5	6	0	1	17	2	0	0	0	99
12	WND	28	4	29	4	0	2	2	5	0	0	4	1	1	0	0	80
13	KNR	46	5	30	0	0	6	0	15	0	0	4	2	1	0	0	109
14	KSD	14	4	14	3	0	1	0	7	0	0	6	3	1	0	0	53
	KERALA	495	80	281	51	4	42	21	141	0	2	117	18	17	3	1	1273

Table 3.1.37 VEHICLE TYPE WISE VEHICLES DETAIL - ON ROAD As On : 31-03-2021

Sl No	District	Ambulance	Car	Jeep	Two Wheeler	Bus	Van	Mini Van	Mini Bus	Fire Engine	Auto Rickshaw	Spacio	GOODS CARRIER				Total
													Insulated Van	Delivery Van	Lorry	Truck	
1	TVM	68	19	15	0	1	5	8	17	0	0	8	0	1	1	0	143
2	KLM	24	10	10	0	1	1	0	9	0	0	7	2	1	0	0	65
3	PTA	43	5	4	2	0	0	1	12	0	0	5	1	1	0	0	74
4	ALP	19	1	12	3	0	0	1	8	0	0	6	0	1	0	1	52
5	KTM	27	3	14	5	0	3	0	8	0	0	7	1	1	0	0	69
6	IDK	19	6	16	6	0	0	0	5	0	0	5	0	1	2	0	60
7	EKM	28	5	13	0	0	9	3	9	0	0	10	1	0	0	0	78
8	TSR	32	1	21	5	0	2	0	12	0	1	10	4	1	0	0	89
9	PKD	25	1	43	1	0	1	0	7	0	0	13	0	3	0	0	94
10	MLP	17	10	37	7	1	4	0	8	0	0	12	0	2	0	0	98
11	KKD	37	3	10	5	1	4	5	4	0	1	17	2	0	0	0	89
12	WND	24	4	27	2	0	2	2	4	0	0	4	1	1	0	0	71
13	KNR	32	5	22	0	0	3	0	9	0	0	4	2	0	0	0	77
14	KSD	8	2	12	2	0	1	0	4	0	0	6	3	0	0	0	38
	KERALA	403	75	256	38	4	35	20	116	0	2	114	17	13	3	1	1097

3.2 HUMAN RESOURCES

Table 3.2.1 Details of Medical and Paramedical Staff in Department of Health Services as on 31.03.2021

Sl. No	Category	No. of Posts
I.	Medical	
1	Director of Health Services	1
2	Addl Director of Health Services / Director PH Lab	14
3	DD/District Medical Officer/Superintendent	53
4	DY.DHS Dental	1
5	Assistant Director/DY.DMO/Superintendent/RCH Officer	171
6	Jr. Administrative Medical Officer / District TB Officer	33
7	Chief Consultant	20
8	Senior Consultant	75
9	Medical Consultant	707
10	Junior Medical Consultant	1390
11	Civil Surgeon	231
12	Dental Civil Surgeon	16
13	Assistant Surgeon	2953
14	Dental Assistant Surgeon	125
15	Casualty Medical Officer(Assistant Surgeon)	565
16	State Nutrition officer	1
	Total (Medical)	6356
II.	Paramedical	
1	Staff Nurse	7109
2	Head Nurse	1518
3	Health Supervisor	174
4	Public Health Nursing Supervisor/Lady Health Supervisor	154
5	Health Inspector	875
6	Public Health Nurse/ Lady Health Inspector	960
7	Lab Technician	1458
8	Ophthalmic Assistant	308
9	X-ray Technician/Radiographer	211
10	Pharmacist	1788
11	Junior Health Inspector	3629
12	Evaluation Assistants	5
13	Junior Public Health Nurse	5542
III.	Other Staff	19569
	Total (Para Medical)	23731
	Total Staff	49656

3.3 OUT PATIENTS AND INPATIENTS IN THE INSTITUTIONS UNDER DHS AND NHM 2020-21

Table 3.3.1 Number of Out patients and inpatients in the institutions under DHS and NHM 2020-21

Sl no	District	Out Patients	In Patients
1	TVM	6566494	81926
2	KLM	4362285	40412
3	PTA	2508019	32003
4	ALP	3757556	25041
5	KTM	3822237	31142
6	IDK	1849259	15012
7	EKM	5354169	50624
8	TSR	5198137	66655
9	PKD	3883646	92118
10	MLP	6379835	84399
11	KKD	4670718	31588
12	WND	1691438	24886
13	KNR	4581000	48056
14	KSD	1854086	44150
15	KERALA	56478879	668012

Chart 3.3.1 Percentage of increase in OP and IP in the institutions under DHS and NHM from 2019-20 to 2020-21

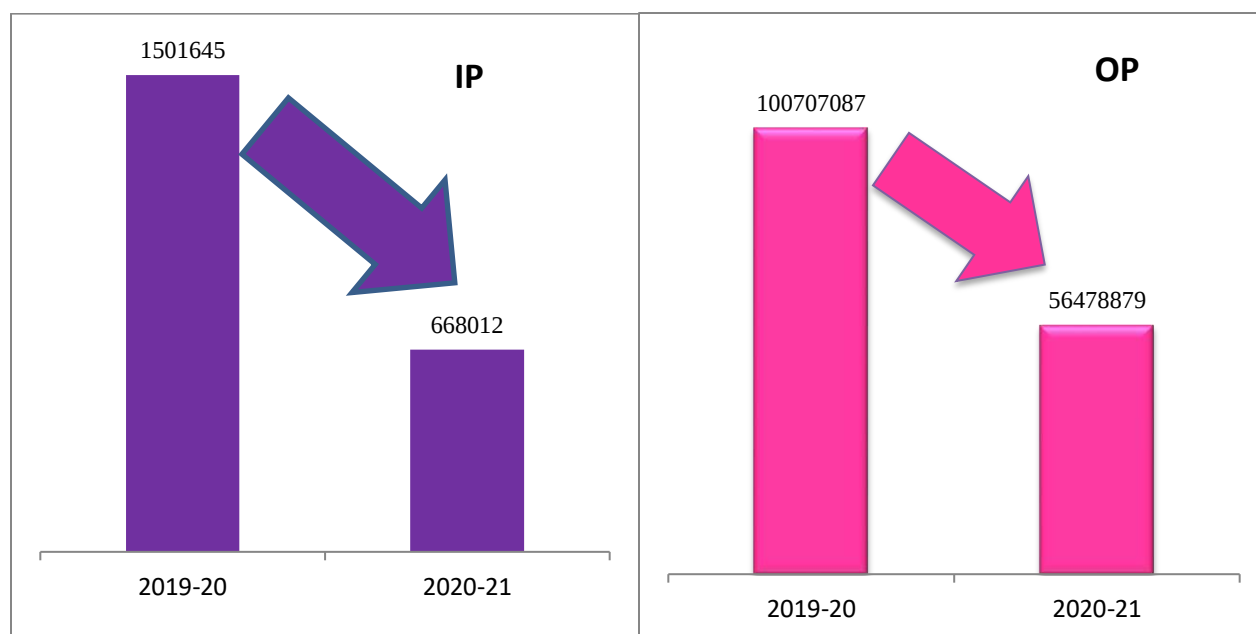
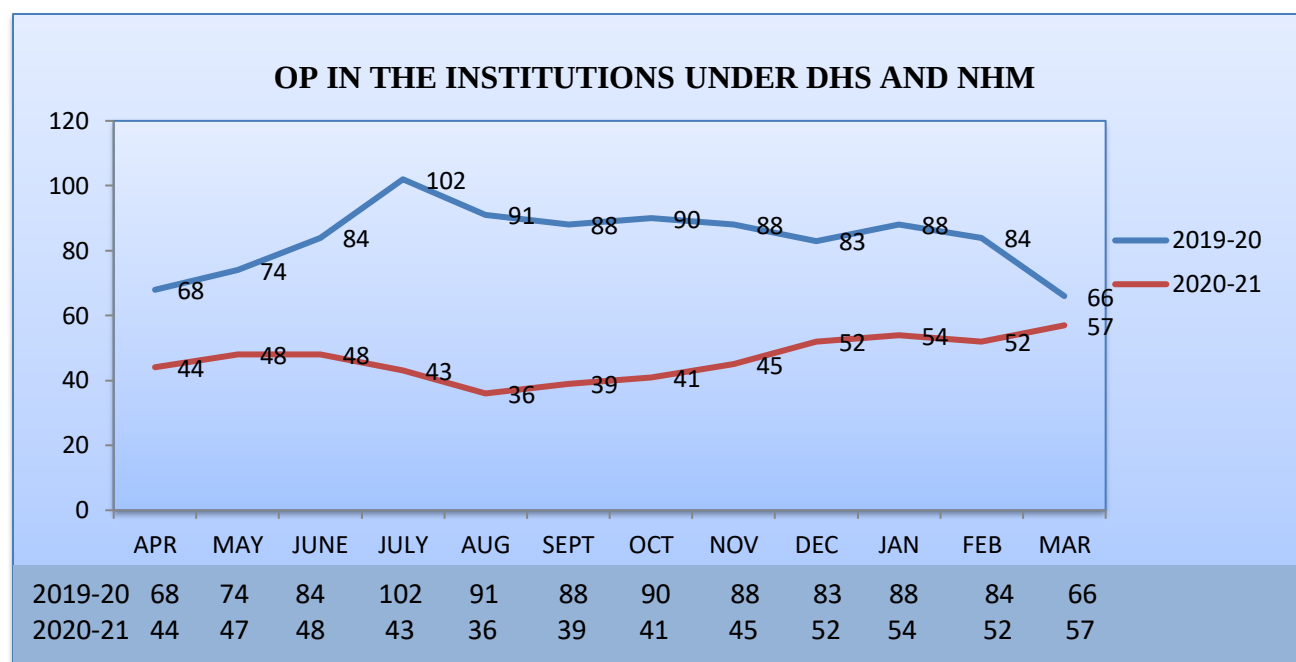


Chart 3.3.2 Month wise comparison of OP in the institutions under DHS and NHM



OP decreased in 2021 March compared to 2020 March due to covid 19 Pandemic.

3.4 FAMILY WELFARE ACHIEVEMENT

3.4. 1 Number of pregnant women registered for ANC 2020-21

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	34871	30172	86.52
2	KLM	27240	24196	88.83
3	PTA	10537	8375	79.48
4	ALP	20265	17376	85.74
5	KTM	18387	15401	83.76
6	IDK	12613	10953	86.84
7	EKM	33453	26935	80.52
8	TSR	35975	29651	82.42
9	PKD	39020	33964	87.04
10	MLP	85714	72739	84.86
11	KKD	41192	36365	88.28
12	WND	12686	11683	92.09
13	KNR	34321	28040	81.70
14	KSD	22616	19751	87.33
15	KERALA	428890	365601	85.24

3.4.2 District wise number of Deliveries 2020-21

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	15	19236	16653	35889	8270	8056	16326
2	KLM	18	10183	13154	23337	4705	7615	12320
3	PTA	15	3898	8552	12450	1927	4888	6815
4	ALP	12	8188	6826	15014	4186	3942	8128
5	KTM	5	7844	12950	20794	3410	6424	9834
6	IDK	54	4015	6608	10623	1938	3328	5266
7	EKM	23	8580	28059	36639	4540	14603	19143
8	TSR	19	11503	26547	38050	4882	11808	16690
9	PKD	35	8768	23181	31949	3691	8137	11828
10	MLP	258	14403	68257	82660	4766	21868	26634
11	KKD	14	16189	28391	44580	6975	11104	18079
12	WND	77	5235	7808	13043	1510	3386	4896
13	KNR	15	9075	27299	36374	3963	11938	15901
14	KSD	16	4482	13902	18384	1317	4013	5330
15	KERALA	576	131599	288187	419786	56080	121110	177190

3.4.3 Live Birth

SL NO	DISTRICT	Live Birth- Male			Live Birth- Female		
		Public	Private	Total	Public	Private	Total
1	TVM	9934	8620	18554	9422	8401	17823
2	KLM	5213	7386	12599	5056	7067	12123
3	PTA	2002	4620	6622	1933	4381	6314
4	ALP	4264	3659	7923	3986	3396	7382
5	KTM	2083	3331	5414	2014	3184	5198
6	IDK	4056	6598	10654	3801	6469	10270
7	EKM	4371	14631	19002	4248	14123	18371
8	TSR	6077	13670	19747	5544	13324	18868
9	PKD	4422	11915	16337	4402	11343	15745
10	MLP	8410	14609	23019	7817	13962	21779
11	KKD	7460	34751	42211	7243	33796	41039
12	WND	2697	3933	6630	2602	3928	6530
13	KNR	4736	14051	18787	4378	13406	17784
14	KSD	2382	7188	9570	2137	6744	8881
15	KERALA	68107	148962	217069	64583	143524	208107

3.4.4 Details of New Born

SL NO	DISTRICT	Number of newborns weighed at birth			Number of newborns having weight less than 2.5 kg			Number of Newborns breast fed within 1 hour of birth		
		Public	Private	Total	Public	Private	Total	Public	Private	Total
1	TVM	19303	16333	35636	3848	1323	5171	19341	14936	34277
2	KLM	10222	12560	22782	1192	1052	2244	10282	9162	19444
3	PTA	3930	8498	12428	541	1385	1926	3948	8426	12374
4	ALP	8224	5759	13983	1018	420	1438	8038	5997	14035
5	KTM	4054	6220	10274	619	838	1457	3929	5448	9377
6	IDK	7857	13067	20924	1507	904	2411	7778	12651	20429
7	EKM	8622	28754	37376	1042	4493	5535	8285	20839	29124
8	TSR	11610	27021	38631	1126	4159	5285	11500	26518	38018
9	PKD	8756	20930	29686	1652	2233	3885	7703	18886	26589
10	MLP	16227	28571	44798	2651	2035	4686	16089	28529	44618
11	KKD	14451	66893	81344	1732	6118	7850	14244	65740	79984
12	WND	5299	7861	13160	1243	936	2179	5291	7855	13146
13	KNR	8957	27314	36271	1361	2409	3770	8790	26587	35377
14	KSD	4600	13930	18530	603	1014	1617	4603	13630	18233
15	KERALA	132112	283711	415823	20135	29319	49454	129821	265204	395025

3.4.5 Post Natal Care

SL NO	DISTRICT	Women receiving 1st post partum checkups within 48 hours of home delivery			Women receiving 1st post partum checkup between 48 hours and 14 days		
		Public	Private	Total	Public	Private	Total
1	TVM	272	475	747	42599	5191	47790
2	KLM	80	14	94	27537	2099	29636
3	PTA	68	0	68	12263	6775	19038
4	ALP	8	0	8	20154	1099	21253
5	KTM	5	0	5	10730	4392	15122
6	IDK	87	0	87	11467	3022	14489
7	EKM	23	0	23	9971	4590	14561
8	TSR	19	14	33	1547	96	1643
9	PKD	41	9	50	13733	12833	26566
10	MLP	620	0	620	74051	18051	92102
11	KKD	14	0	14	32234	6801	39035
12	WND	77	0	77	0	0	0
13	KNR	13	0	13	22	0	22
14	KSD	20	0	20	21222	7524	28746
15	KERALA	1347	512	1859	277530	72473	350003

3.4.6 Family Planning

Table 3.4.6.1 Details of contraceptive methods conducted in 2020-21

SL NO	DISTRICT	IUD INSERTIONS			CONDOMS DISTRIBUTED			ORAL PILLS CYCLES/DISTRIBUTED		
		Public	Private	Total	Public	Private	Total	Public	Private	Total
1	TVM	1033	231	1264	267942	6902	274844	8331	146	8477
2	KLM	1063	239	1302	95347	8	95355	3187	30	3217
3	PTA	447	155	602	13368	0	13368	811	0	811
4	ALP	754	81	835	126348	610	126958	4613	66	4679
5	KTM	1357	182	1539	39124	0	39124	7887	0	7887
6	IDK	943	40	983	22068	0	22068	2825	4	2829
7	EKM	1657	639	2296	187063	6565	193628	7598	171	7769
8	TSR	985	636	1621	60685	14	60699	8301	4	8305
9	PKD	1608	255	1863	30478	0	30478	7260	37	7297
10	MLP	2048	1815	3863	79873	300	80173	10264	597	10861
11	KKD	1473	214	1687	88364	0	88364	7613	0	7613
12	WND	746	185	931	28503	0	28503	3175	317	3492
13	KNR	1396	132	1528	71184	1170	72354	9918	128	10046
14	KSD	1061	117	1178	12391	1	12392	4074	52	4126
15	KERALA	16571	4921	21492	1122738	15570	1138308	85857	1552	87409

Table 3.4.6.2 Details of contraceptive methods conducted in 2020-21

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	Private	Total	Public	Private	Total	Public	Private	Total
1	TVM	1388	0	1388	1397	0	1397	34128	685	34813
2	KLM	304	35	339	216	11	227	15456	1336	16792
3	PTA	3	0	3	206	0	206	5499	124	5623
4	ALP	142	0	142	388	0	388	9840	394	10234
5	KTM	226	0	226	140	1	141	12710	1319	14029
6	IDK	1031	0	1031	518	0	518	23032	1182	24214
7	EKM	770	0	770	314	38	352	35978	2161	38139
8	TSR	626	0	626	536	0	536	14827	2213	17040
9	PKD	563	0	563	728	2	730	19069	1057	20126
10	MLP	469	0	469	1244	126	1370	23881	609	24490
11	KKD	2368	0	2368	2498	14	2512	22311	4776	27087
12	WND	537	0	537	627	0	627	12425	392	12817
13	KNR	3400	0	3400	1237	0	1237	15383	1168	16551
14	KSD	73	1	74	147	1	148	8045	1767	9812
15	KERALA	11900	36	11936	10196	193	10389	252584	19183	271767

Table 3.4.6.3 Details of Sterilizations 2020-21

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	3	1	4	3211	1941	5152	85	186	271	302	609	911	104	3	107	5	9	14
2	KLM	0	0	0	2416	2106	4522	107	107	214	0	141	141	53	9	62	12	0	12
3	PTA	0	0	0	606	972	1578	140	71	211	33	74	107	125	22	147	1	23	24
4	ALP	0	0	0	1445	704	2149	11	25	36	8	75	83	185	8	193	5	0	5
5	KTM	17	0	17	1471	529	2000	35	23	58	11	128	139	16	1	17	1	0	1
6	IDK	0	29	29	856	883	1739	17	82	99	50	866	916	88	16	104	12	10	22
7	EKM	2	0	2	1733	2763	4496	36	260	296	27	683	710	112	30	142	10	81	91
8	TSR	0	0	0	1904	1727	3631	11	414	425	5	345	350	39	28	67	1	5	6
9	PKD	6	2	8	2586	1963	4549	12	167	179	68	391	459	77	32	109	6	0	6
10	MLP	5	2	7	1678	3942	5620	68	331	399	57	479	536	792	55	847	0	14	14
11	KKD	0	0	0	2265	2053	4318	2	135	137	28	173	201	173	71	244	33	38	71
12	WND	0	0	0	633	774	1407	23	8	31	14	99	113	127	3	130	1	0	1
13	KNR	4	1	5	1469	1839	3308	8	102	110	47	313	360	21	14	35	0	13	13
14	KSD	1	0	1	134	425	559	0	37	37	0	104	104	87	16	103	8	7	15
15	KERALA	38	35	73	22407	22621	45028	555	1948	2503	650	4480	5130	1999	308	2307	95	200	295

3.4.4 IMMUNIZATION

Chart 3.4.4.1 Full Immunization coverage in Kerala 2020-21 (Children born on 2019-20)

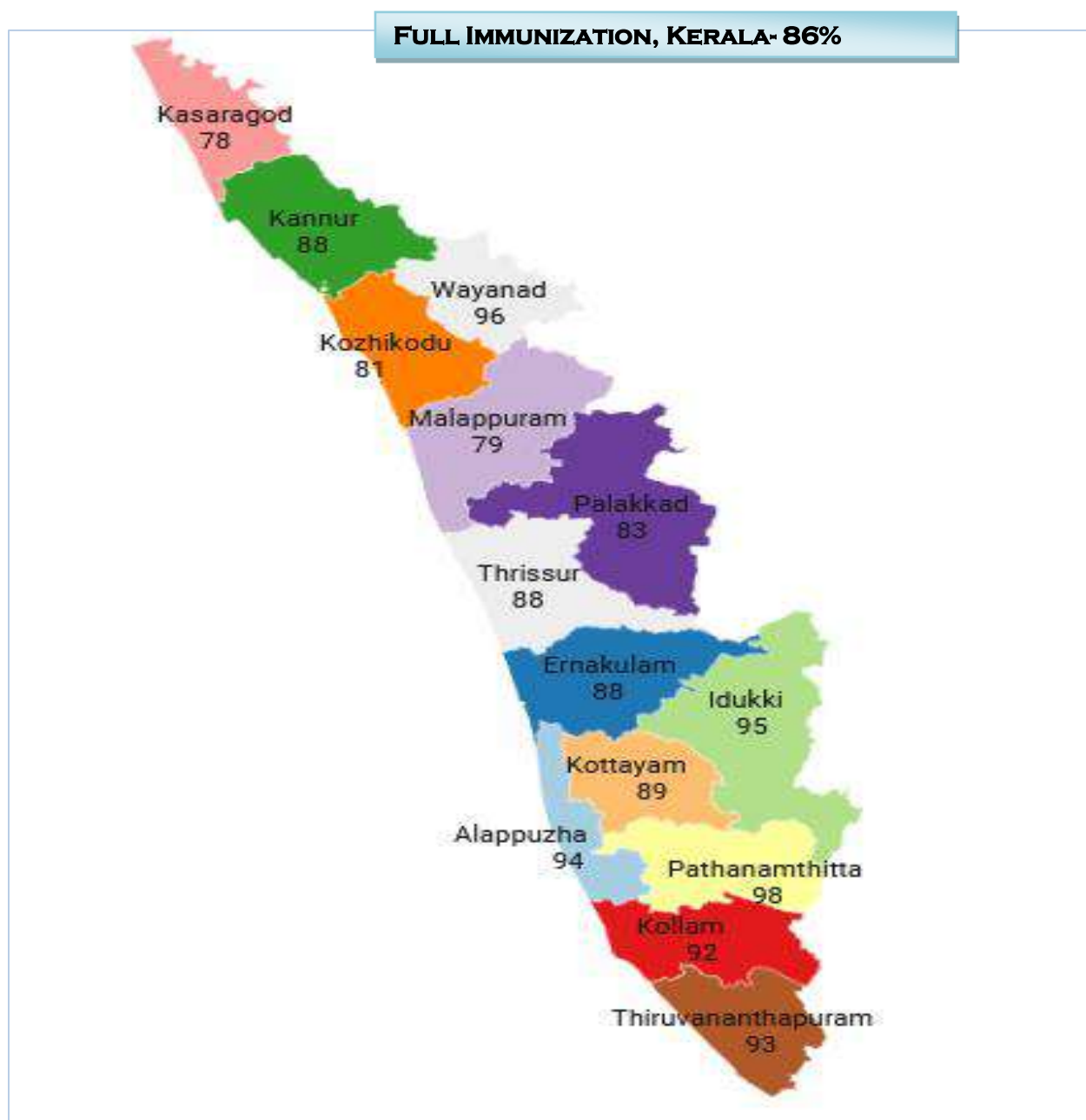


Table 3.4.4.1 Immunization coverage in Kerala 2020-21 (Children born in 2019-20)

Sl No	District	Full Immunized (%)	Partially Immunized (%)	Unimmunized (%)
1	TVM	93	6	0.55
2	KLM	92	8	0.66
3	PTA	98	1	0.38
4	ALP	94	6	0.65
5	KTM	89	10	0.53
6	IDK	95	4	0.71
7	EKM	88	12	0.67
8	TSR	88	11	0.90
9	PKD	83	16	1.18
10	MLP	79	18	3.35
11	KKD	81	18	1.04
12	WND	96	3	0.58
13	KNR	88	11	0.80
14	KSD	78	21	1.27
15	KERALA	86	13	1.33

Chart 3.4.4.1 Immunization coverage in Kerala 2020-21 (Children born in 2019-20)

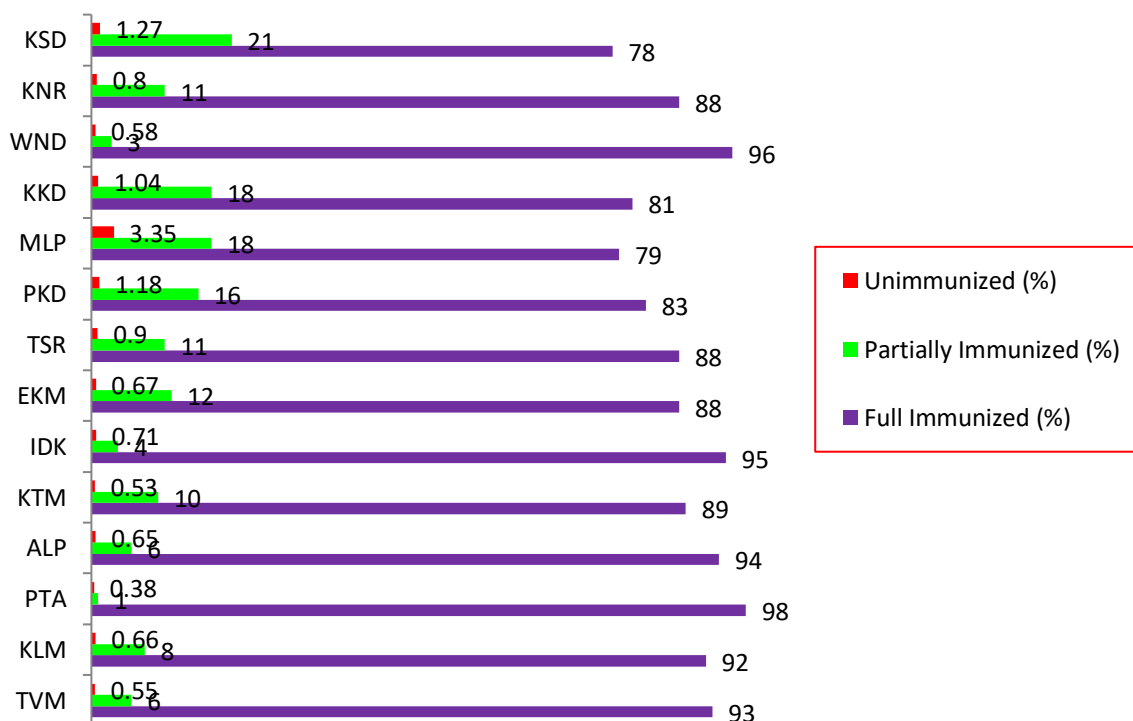


Table 3.4.4.2 Percentage of children received different vaccines among the children registered in RCH portal with Date of Birth 2019-20

District	BCG	OPV0	HEP0	Penta1	OPV1	IPV1	Rota1	Penta2	OPV2	Rota2	Penta3	OPV3	IPV2	Rota3	Measles
TVM	99	99	98	97	97	97	49	97	97	50	96	96	96	52	94
KLM	99	99	95	96	96	95	46	96	95	48	95	95	95	50	93
PTA	100	99	98	99	99	99	51	99	99	52	99	99	99	54	99
ALP	99	99	92	97	97	96	46	97	97	47	97	96	95	49	94
KTM	99	99	96	98	97	97	53	97	97	55	96	96	96	57	90
IDK	99	99	95	99	98	98	47	98	98	47	98	98	97	49	96
EKM	99	99	91	96	96	95	44	95	95	45	94	94	94	46	88
TSR	99	98	79	95	95	95	42	95	95	43	94	94	93	44	89
PKD	99	98	84	93	93	91	47	91	91	47	89	89	88	48	84
MLP	97	89	44	88	88	86	39	84	84	38	81	81	80	37	81
KKD	99	98	83	92	92	91	46	90	90	46	87	87	86	46	82
WND	99	99	97	98	98	97	52	97	97	53	97	97	96	54	97
KNR	99	98	76	94	94	93	51	93	92	52	91	91	90	52	89
KSD	99	95	50	92	92	91	39	90	90	39	87	87	86	39	79
KERALA	99	96	77	94	94	93	45	92	92	46	91	90	90	46	87

3.4.4.1 INTENSIFIED PULSE POLIO IMMUNIZATION PROGRAM (IPPI) JANUARY 2020

Chart 3.4.4.1.1 Intensified Pulse Polio Immunization Program 2021-District wise Achievement (%)



Table 3.4.4.1.1 Intensified Pulse Polio Immunization Program 2021-District wise Achievement (%)

Sl No	District	TARGET	Total Children Vaccinated	Percentage of achievement	No. of migrant children immunized	Total OPV vials used
1	TVM	215556	221922	103	1285	13127
2	KLM	170700	164075	96	660	9850
3	PTA	68064	68032	100	451	3924
4	ALP	132803	126286	95	644	7433
5	KTM	111071	108834	98	574	6473
6	IDK	70811	71362	101	1963	4348
7	EKM	209098	203731	97	5525	11980
8	TSR	209706	206520	98	1551	12030
9	PKD	211468	210783	100	990	12684
10	MLP	453118	433005	96	1730	25113
11	KKD	234814	223093	95	765	13516
12	WND	63546	63516	100	263	3846
13	KNR	182160	165704	91	1150	9785
14	KSD	116307	115134	99	707	6523
15	KERALA	2449222	2381997	97	18258	140632

3.4.4.2 INTENSIFIED MISSION INDRADHANUSH 3.0

About the Programme

The Government of India is committed to improve immunization coverage and achieve full immunization coverage of 90 percent. Launch of massive routine immunization campaigns, such as Mission Indradhanush (MI) and Intensified Mission Indradhanush (IMI), in part, reflects government's efforts under Universal Immunization Program to reduce child mortality and morbidity. Government introduced Intensified Mission Indradhanush 3.0 to boost the RI coverage in the country to ensure to reach the unreached with all available vaccines and accelerate the coverage of children and pregnant women in the identified districts and blocks from December 2019-March 2020. An IMI 3.0 Portal was designed to manage the data reporting and analysis, and to update the activities of the ministries/departments and to capture pre-campaign activities, during activity achievements, and post campaign indicators with indicators on immunization coverage and of the line ministries.

Achievement

In Kerala, the programme was conducted in Kannur, Kollam, Malappuram, Palakkad and Trivandrum districts. In I round of IMI 3.0 held on February 2021, 37% of target pregnant women population were immunized and 23% of children population were immunized. In II round of IMI 3.0 held on March 2021, 31% of target pregnant women population were immunized and 13% of children population were immunized.

Table 3.4.4.2.1 IMI 3.0 Achievement 2020-21 (2021 February) - Round I

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
Kannur	257	257	3199	1111	34	126	61	48
Kollam	79	79	161	524	325	9	18	200
Malappuram	640	639	14612	2624	18	402	136	34
Palakkad	173	142	4221	867	20	153	42	27
Trivandrum	52	52	100	102	102	1	1	100
Total	1201	1169	22293	5228	23	691	258	37

Table 3.4.4.2.2 IMI 3.0 Achievement 2020-21 (2021 March) - Round II

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
Kannur	196	203	2424	516	21	40	27	68
Kollam	14	22	24	15	63	0	0	0
Malappuram	586	558	13160	1602	12	222	56	25
Palakkad	126	119	4306	472	11	94	27	28
Trivandrum	31	31	60	24	40	0	0	0
Total	953	933	19974	2629	13	356	110	31

3.5. Mortality Rates

3.5.1 Maternal Mortality Ratio(MMR)

Chart 3.5.1.1 District wise Maternal Mortality Ratio (MMR) 2020-21

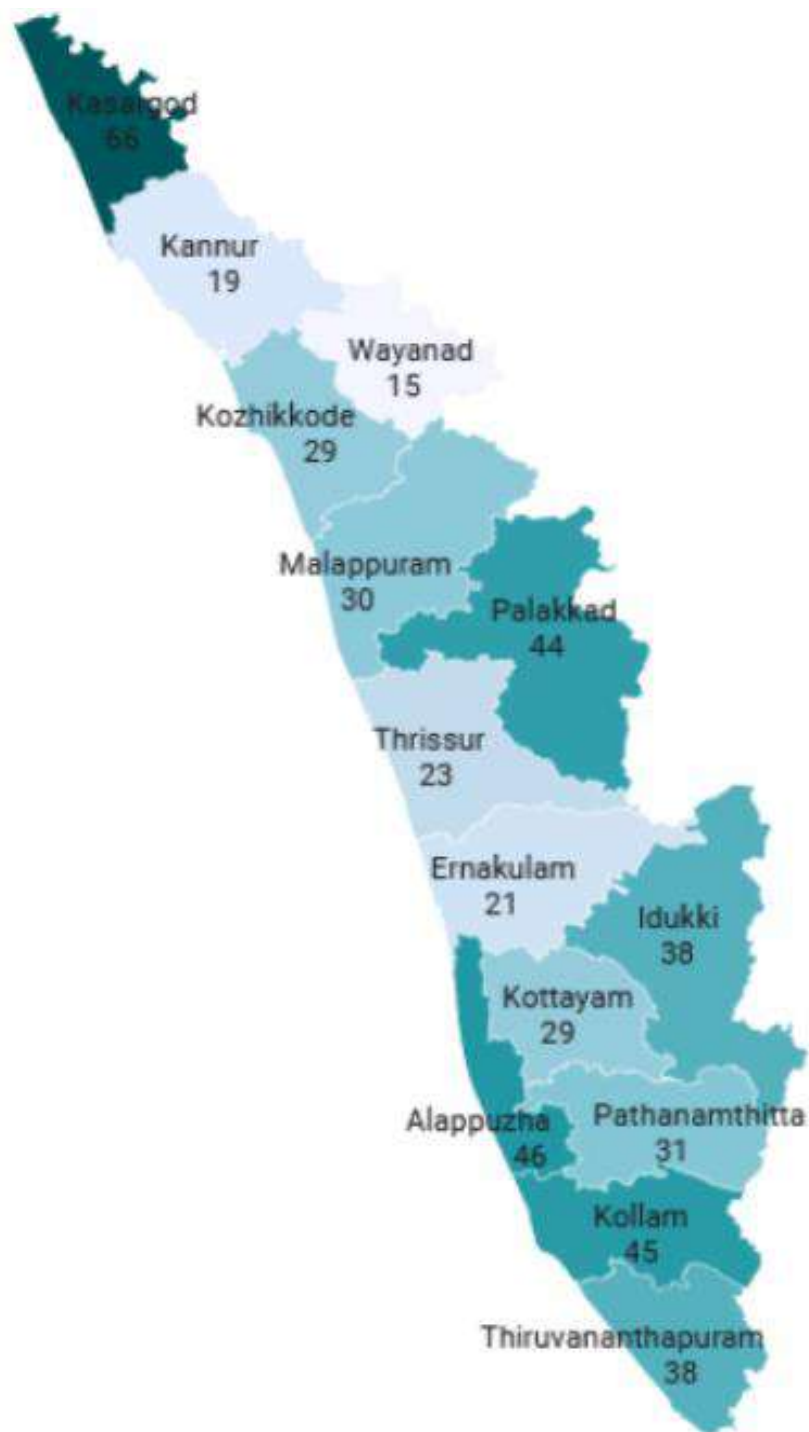


Table 3.5.1.1 District wise Maternal Mortality Ratio (MMR) 2020-21

Sl.No	DISTRICT	LIVE BIRTH	MATERNAL DEATH	MMR (PER LAKH)
1	TVM	36377	14	38
2	KLM	24722	11	44
3	PTA	12936	4	31
4	ALP	15305	7	46
5	KTM	20924	6	29
6	IDK	10612	4	38
7	EKM	37373	8	21
8	TSR	38615	9	23
9	PKD	32082	14	44
10	MLP	83250	25	30
11	KKD	44798	13	29
12	WND	13160	2	15
13	KNR	36571	7	19
14	KSD	18451	11	60
15	KERALA	425176	135	32

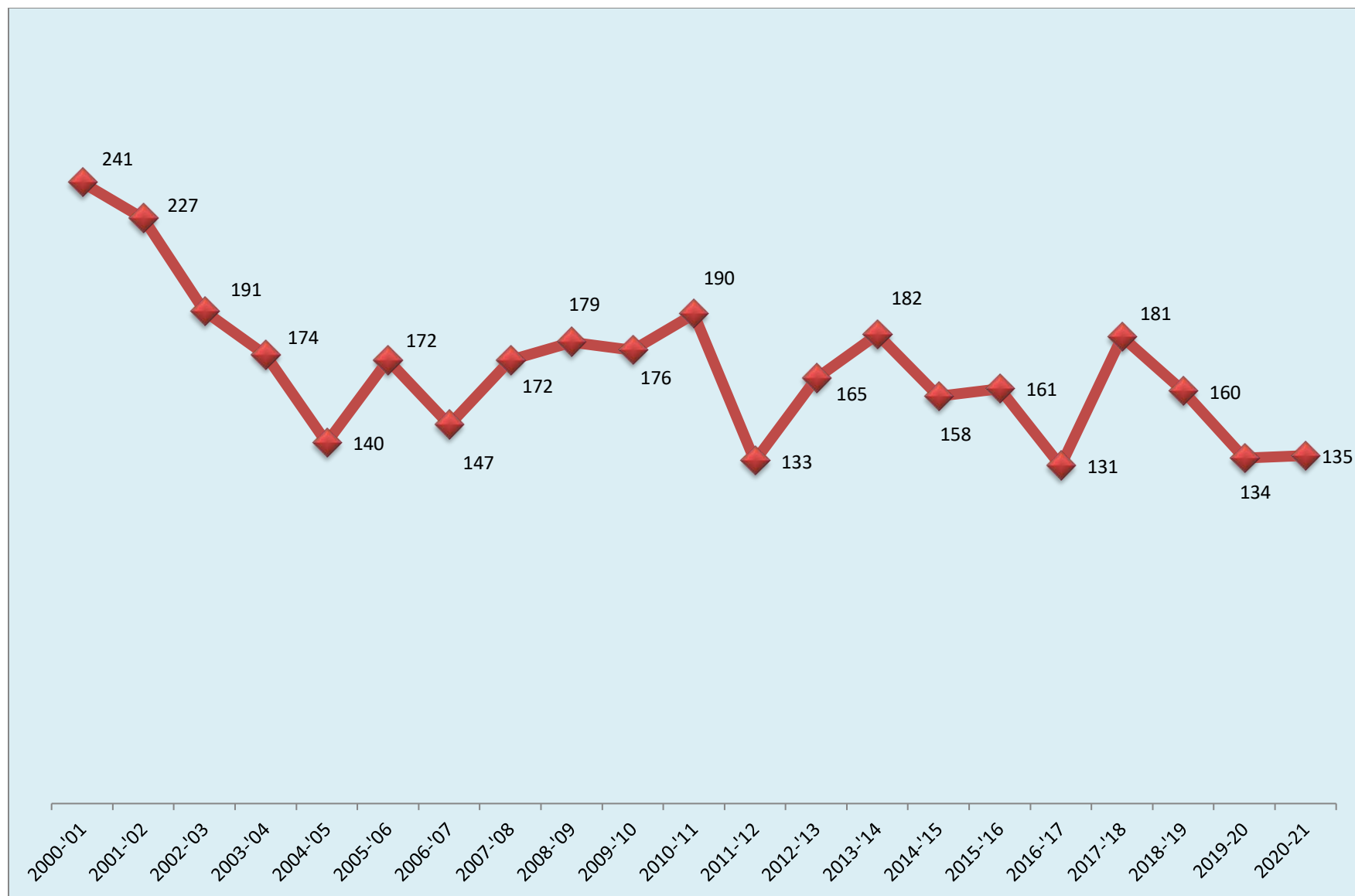
Table 3.5.1.2 Year wise and district wise Maternal Mortality Ratio (MMR)

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

Table 3.5.1.3 District wise and Year wise Maternal deaths in Kerala 2000-01 to 2020-21

Sl. No.	Districts	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
1	TVM	32	28	19	25	6	11	20	7	11	15	19	7	18	16	10	13	13	20	7	12	14
2	KLM	13	18	16	21	11	15	9	6	13	16	23	22	6	14	16	11	5	14	9	10	11
3	PTA	10	9	1	2	6	5	2	5	4	5	5	9	4	6	4	2	2	1	7	1	4
4	ALP	6	5	6	8	5	5	7	6	7	7	3	7	6	9	8	9	8	4	8	4	7
5	KTM	9	17	5	8	5	11	6	6	10	11	8	6	11	7	6	9	8	7	4	12	6
6	IDK	5	1	8	7	7	11	3	10	3	7	10	3	5	7	0	6	6	6	3	6	4
7	EKM	17	12	6	12	7	12	8	9	15	21	22	15	7	17	8	7	6	12	5	12	8
8	TSR	10	8	16	8	15	8	6	11	17	16	14	10	13	15	12	14	10	12	15	6	9
9	PKD	25	35	20	19	20	22	24	31	21	16	23	10	14	14	18	18	18	23	20	12	14
10	MLP	34	25	32	16	22	30	30	37	35	31	23	16	40	27	31	36	22	30	39	23	25
11	KKD	34	25	28	26	13	13	13	29	15	4	16	13	9	13	17	14	7	30	20	13	13
12	WND	16	13	17	6	8	9	7	3	8	7	6	2	13	8	11	4	4	4	9	7	2
13	KNR	17	19	8	8	9	12	7	7	9	12	12	7	9	15	11	6	14	10	8	6	7
14	KSD	13	12	9	8	6	8	5	5	11	8	6	6	10	14	6	12	8	8	6	10	11
15	KER	241	227	191	174	140	172	147	172	179	176	190	133	165	182	158	161	131	181	160	134	135

Chart 3.5.1.3 Year wise Maternal Deaths in Kerala



3.5.2 NEO-NATAL MORTALITY RATE(NMR)

Chart 3.5.2.1 Neo-Natal Mortality Rate (NMR) 2020-21



Table 3.5.2.1 District wise Neo Natal Mortality Rate (NMR) 2020-21

Sl.No	DISTRICT	LIVE BIRTH	NEO NATAL DEATH	NMR
1	TVM	36377	133	4
2	KLM	24722	98	4
3	PTA	12936	31	2
4	ALP	15305	68	4
5	KTM	20924	41	2
6	IDK	10612	63	6
7	EKM	37373	102	3
8	TSR	38615	118	3
9	PKD	32082	138	4
10	MLP	83250	298	4
11	KKD	44798	108	2
12	WND	13160	64	5
13	KNR	36571	122	3
14	KSD	18451	82	5
15	KERALA	425176	1466	3

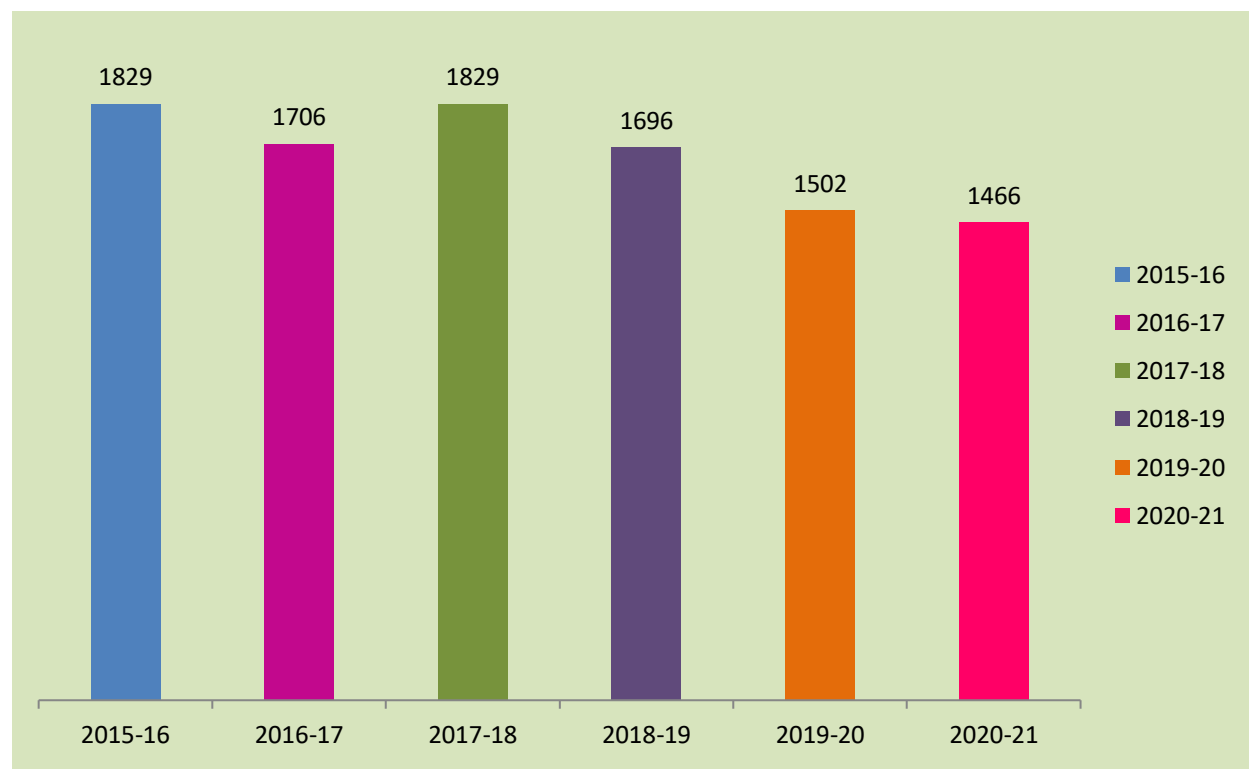
Table 3.5.2.2 District wise and Year wise Neo Natal Mortality Rate

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

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
1	TVM	160	157	222	149	169	133
2	KLM	119	104	124	122	107	98
3	PTA	51	33	51	39	34	31
4	ALP	94	90	69	65	81	68
5	KTM	68	82	80	64	53	41
6	IDK	62	59	70	59	49	63
7	EKM	83	81	72	89	88	102
8	TSR	143	122	121	129	102	118
9	PKD	179	134	149	160	110	138
10	MLP	380	364	365	373	287	298
11	KKD	182	175	181	181	147	108
12	WND	93	69	77	68	71	64
13	KNR	118	111	140	112	111	122
14	KSD	97	125	108	86	93	82
15	KERALA	1829	1706	1829	1696	1502	1466

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



3.5.3 INFANT MORTALITY RATE (IMR)

Chart 3.5.3.1 District Wise Infant Mortality Rate (IMR) 2020-21

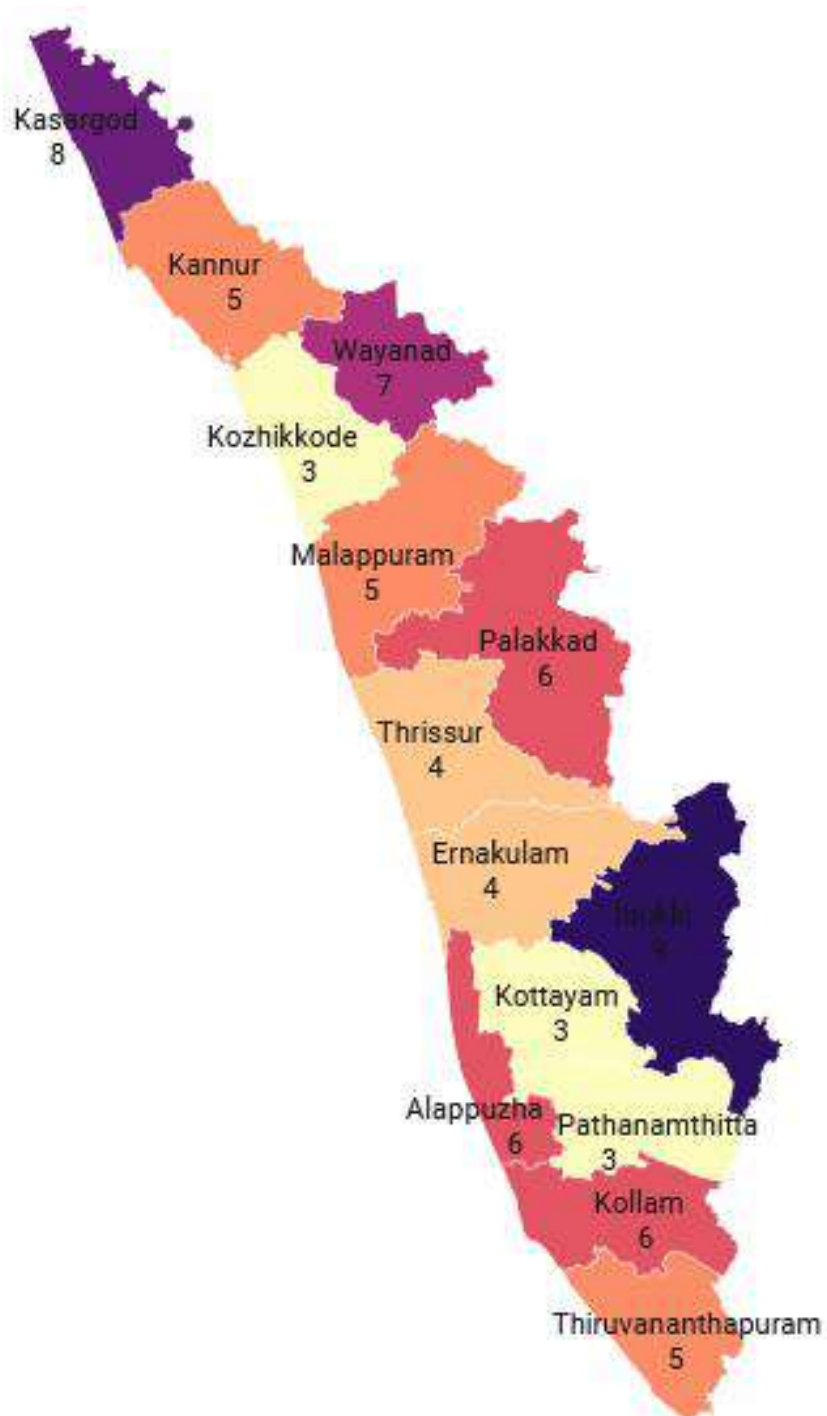


Table 3.5.3.1 District Wise Infant Mortality Rate (IMR) 2020-21

Sl.No	DISTRICT	LIVE BIRTH	INFANT DEATH	IMR
1	TVM	36377	184	5
2	KLM	24722	138	6
3	PTA	12936	41	3
4	ALP	15305	88	6
5	KTM	20924	59	3
6	IDK	10612	99	9
7	EKM	37373	149	4
8	TSR	38615	166	4
9	PKD	32082	191	6
10	MLP	83250	438	5
11	KKD	44798	139	3
12	WND	13160	91	7
13	KNR	36571	175	5
14	KSD	18451	127	8
15	KERALA	425176	2085	5

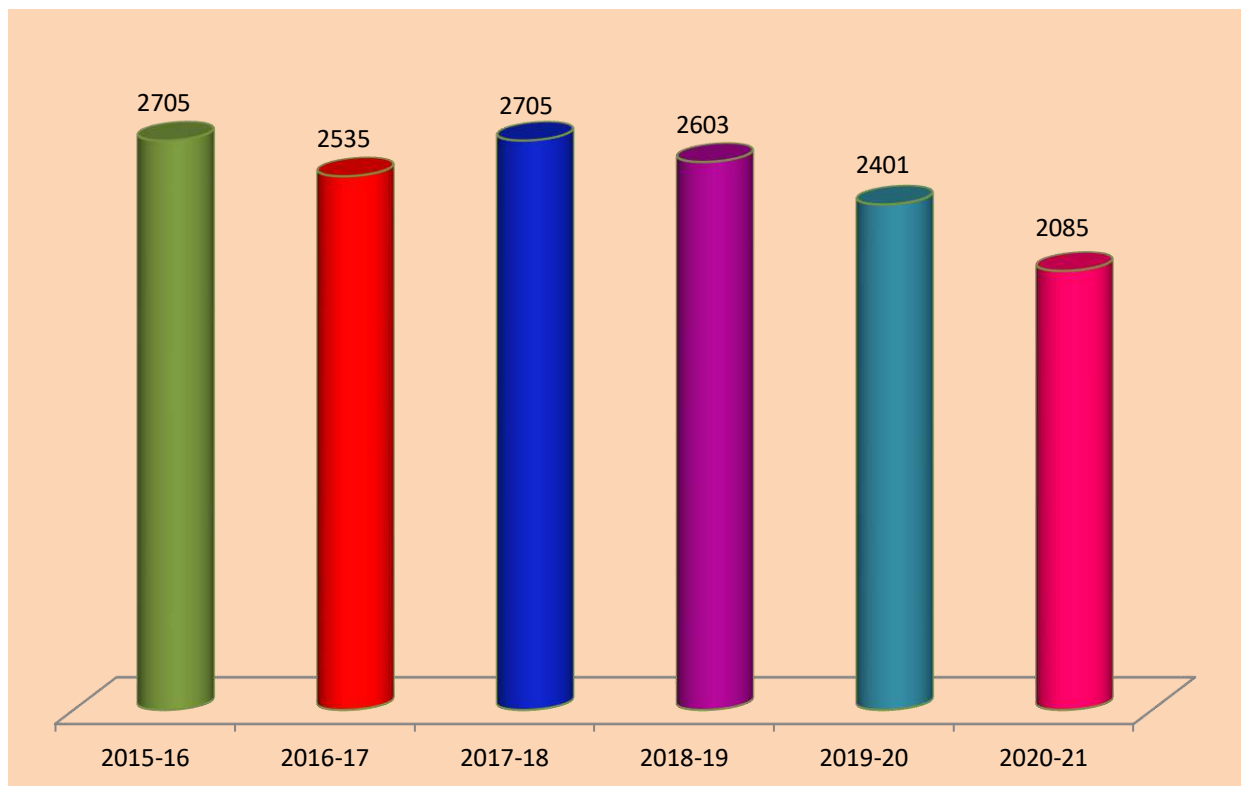
Table 3.5.3.2 District wise and Year wise Infant Mortality Rate in Kerala

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

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



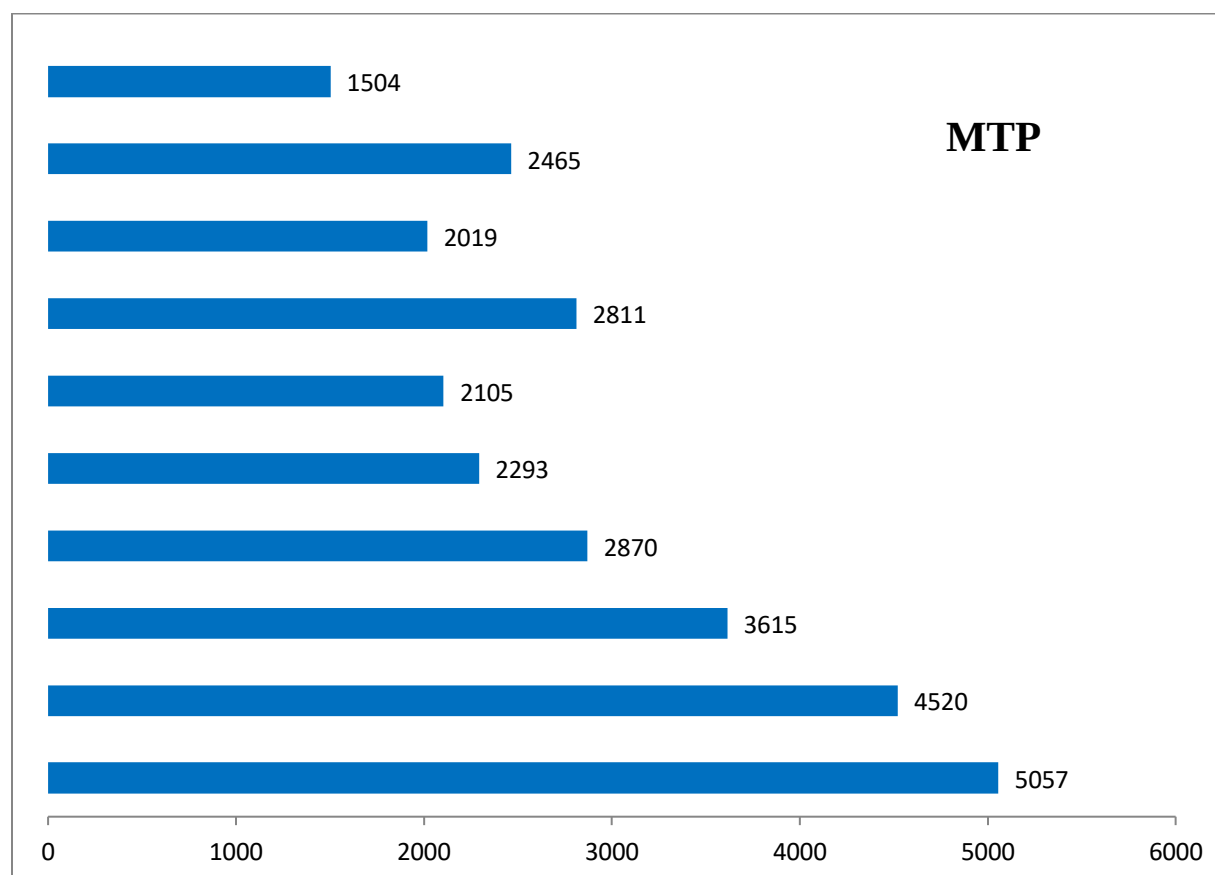
3.6 MEDICAL TERMINATION OF PREGNANCY (MTP)

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

Source : HMIS Portal

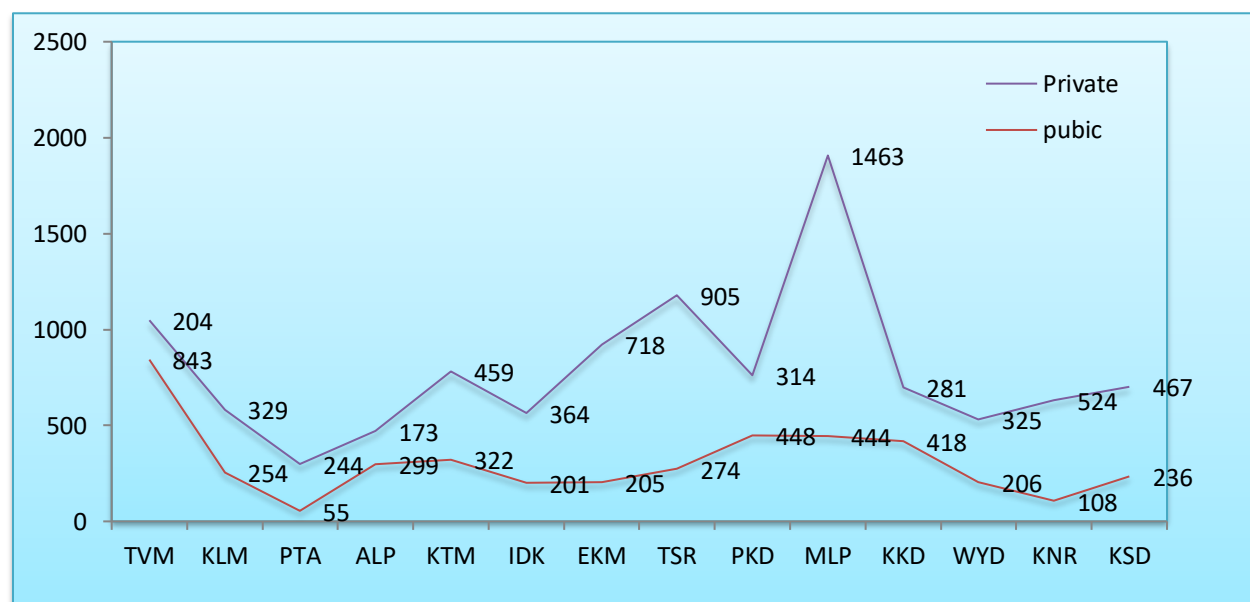
Chart 3.6.1 Year wise medical Termination of Pregnancy in the Public Hospitals in Kerala



3.6.2 District wise number of Spontaneous Abortion

SL. NO	DISTRICT	ABORTION		
		Government	Private	Total
1	TVM	843	204	1047
2	KLM	254	329	583
3	PTA	55	244	299
4	ALP	299	173	472
5	KTM	322	459	781
6	IDK	201	364	565
7	EKM	205	718	923
8	TSR	274	905	1179
9	PKD	448	314	762
10	MLP	444	1463	1907
11	KKD	418	281	699
12	WND	206	325	531
13	KNR	108	524	632
14	KSD	236	467	703
15	KERALA	4313	6770	11083

Chart 3.6.2 District wise number of Spontaneous Abortion



3.7- REVISED NATIONAL TUBERCULOSIS CONTROL PROGRAMME

Table- 3.7.1 PERFORMANCE OF NTEP (NATIONAL TB ELIMINATION PROGRAMME) – 2021

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	21735	63	14287	14277	89	81%

Table- 3.7.2 PMTPT (Programmatic Management Of TB Preventive Treatment)

Age <5 household contacts of Microbiologically confirmed Pulmonary TB Cases			Age 5 to 14 House hold contacts pf Microbiologically pulmonary confirmed TB cases				Age >15 House hold contacts of Micro biologically confirmed Pulmonary TB cases (started from October 2022)				High Risk Group		PLHIV		
Total contacts	Age <5 Eligible For TB Preventive Therapy (TPT)	Age <5 TPT Initiated	Total contacts	Age 5-14 IGRA done	Age 5-14 IGRA Positive	Age 5-14 TPT Initiated	Total contacts	Age ≥15 IGRA done	Age ≥15 IGRA Positive	Age ≥15 TPT Initiated	IGRA Tested	IGRA Positive	Total new cases	Eligible for TPT	TPT initiated
1545	1431	1326	3876	2517	529	499	21418	587	111	69	8	2	1012	736	225

3.8- SCHOOL OF NURSING

Table 3.8.1 District wise details of School of Nursing (GNM) 2020 & 2021

Slno.	District	Govt.		No. of seats		Private		No. of seats	
		2020	2021	2020	2021	2020	2021	2020	2021
1	TVM	2	2	58	58	10	10	285	285
2	KLM	2	2	45	45	12	12	400	400
3	PTA	1	1	20	20	2	2	50	40
4	ALP	1	1	23	23	8	8	245	245
5	KTM	2	2	40	40	9	9	255	255
6	IDK	1	1	20	20	7	7	190	190
7	EKM	1	1	30	30	14	15	490	530
8	TSR	1	1	28	28	17	17	475	475
9	PKD	1	1	25	25	4	4	95	95
10	MLP	1	1	26	26	6	6	185	185
11	KKD	2	2	80	50	9	9	320	320
12	WND	1	1	20	20	3	3	90	90
13	KNR	1	1	30	30	8	8	260	260
14	KSD	1	1	20	20	3	3	75	75
	Total	18	18	465	465	112	113	3415	3445
District wise details of ANM training centres 2020 & 2021									
Slno.	District	Govt.		No. of seats		Private		No. of seats	
		2020	2021	2020	2021	2020	2021	2020	2021
1	TVM	1	1	30	30	1	1	35	35
2	KLM					2	2	45	45
3	ALP					2	2	70	70
4	KTM	1	1	25	25	1	1	20	20
5	PKD	1	1	50	50				
6	KSD	1	1	25	25	1	1	50	50
	Total	4	4	130	130	7	7	220	220

Table 3.8.2 District wise details of College of Nursing 2021

Sl No.	District	Govt.	No. of seats + EWS			Private	No. of seats		
		No	B Sc Nursing	Post B Sc Nursing	M Sc Nursing	No	B Sc Nursing	Post B Sc Nursing	M Sc Nursing
1	TVM	1	82	33	31	13	730	80	120
2	KLM					11	615	50	82
3	PTA					11	535	45	56
4	ALP	1	66		22	4	210	50	30
5	KTM	1	66		33	10	480	45	27
6	IDK					2	110	30	16
7	EKM	1	66	49		16	910	140	80
8	TSR	1	66		22	8	420	60	66
9	PKD					4	200		
10	MLP					6	350	60	56
11	KKD	1	66		33	9	450	30	20
12	WND					2	100		
13	KNR	1	66		11	9	460		37
14	KSD					2	90		
	Total	7	478	82	152	107	5660	590	590
	Nursing college under MG university					Nursing college under SIMET			
1	TVM					1	60		
2	PTA	1	50						
3	KTM	3	150						
4	IDK	1	60						
5	EKM	1	40			1	60	30	
6	PKD					1	60	30	
7	KNR	0							
8	KSD					1	60	40	
	Total	6	300			4	240	100	

3.9- Expenditure on Plan Schemes ((Rs. In Lakhs)

Table 3.9.1 Expenditure on Plan Schemes (2210 plan) From 2005-06 To 2020-21 (Rs. In Lakhs)

2210- Plan Schemes									
Year	State Plan			100% CSS			50% CSS		
	Allocation	Expenditure	% of Expenditure	Allocation	Expenditure	% of Expenditure	Allocation	Expenditure	% of Expenditure
2005-06	4092	2657.49	64.94%	325	155.54	47.86	190	113.21	59.58
2006-07	2948.5	1845.37	62.59%	216	146	67.59	420	136.89	32.59
2007-08	4844	2974.53	61.41%	216	181.25	83.91	320	101.67	31.77
2008-09	7413.53	7095.43	95.71%	216	263.04	121.78	320	187.29	58.53
2009-10	3052.93	2936.67	96.19%	315	338.78	107.5	320	215.47	67.33
2010-11	3089	2855.52	92.44%	489.64	417.03	97.42	680	410.36	60.35
2011-12	12271.94	11940.61	97.30%	568.59	648.35	114.03	555	406.65	73.27
2012-13	20694	20109.42	97.18%	740.25	779.57	105.31	200	198.74	99.37
2013-14	18627.20	18012.87	96.70%	895.41	788.14	88.02%			
2014-15	16877.00	14547.78	86.20%						
2015-16	18446.54	18217.98	98.76%						
2016-17	35656.00	34186.43	95.88%						
2017-18	56779.00	53344.00	93.95%						
2018-19	62234	50130.36	80.55%						
2019-20	62109	61710.66	99.36%						
2020-21	57736	83526.55	144.67 %						

Table 3.9.2 Expenditure on Plan Schemes (2211 plan) From 2005-06 To 2020-21 (Rs. In Lakhs)

2211 – Plan Schemes			
100% CSS			
Year	Allocation	Expenditure	% of Expenditure
2005-06	1826.55	1393.34	76.28
2006-07	4902.29	3728.95	76.07
2007-08	7435.8	4169.13	56.07
2008-09	5627	4041	71.81
2009-10	15035.4	11864.71	78.92
2010-11	20429.08	14486.94	70.91
2011-12	1693600	3322672.65	196.19
2012-13	2917100	2487444.488	85.27
2013-14	3703400	2577264579	69.59
2014-15	4481400	1877823657	41.90
2015-16	4481400	2720259496	60.70
2016-17	3886800	3741693845	96.27
2017-18	3673638	2663603485	72.51
2018-19	36238	42666.54	117.73
2019-20	33750.03	41321.3	122.43
2020-21	33700	35510.71	105.37

Table 3.9.3 PLAN EXPENDITURE 2020-21**DIRECTORATE OF HEALTH SERVICES**

Sl No	Scheme Name	Head of Account	Outlay (Rs. in Lakh)	Expenditure (Rs. in Lakh)	Expenditure%
1	Blood Banks(DHS)	2210-01-110-44	130	87	66.923
2	Health Transport	2210-01-200-91	350	174.223	49.778
3	Limb Fitting Centres	2210-01-110-48	300	285.456	95.152
4	Development of Mental Health Care, Thiruvananthapuram	2210-01-110-85	240	234.338	97.641
5	Development of Mental Health Care, Thrissur	2210-01-110-84	130	45.243	34.802
6	Development of Mental Health Care, Kozhikode	2210-01-110-83	190	166.227	87.488
7	Physical Medicine and Rehabilitation Units	2210-01-110-74	75	74	98.667
8	Pain, Palliative and Elderly Health Care Centers	2210-01-110-52	100	83.393	83.393
9	Society for Rehabilitation of Cognitive and Communicative disorders	2210-05-105-36	500	180	36
10	State Institute Of Health and Family Welfare for Training to Health Personnel	2210-06-3-90	50	50	100
11	Completion of ongoing construction works (Major/Minor) in GH, W and C and Other hospitals	4210-01-110-83	0	19.347	0
12	Completion of ongoing construction works (Major/Minor) in GH, W and C and Other hospitals	4210-01-110-93	0	262.211	0
13	COMPLETION of ongoing construction works(Major/Minor) IN GH, W AND C AND Other hospitals	4210-03-105-99 (1)	0	83.263	0
14	Completion of ongoing construction works (Major/Minor) - GH/WCH/Other Hospitals under DHS (NABARD)	4210-01-110-75	0	2757.766	0
15	Construction of new building for PHC Marangattupilly (CC4th & Part bill)-	4210 - 02-110-96-01	0	0	0
16	Diplomate of the National Board (DIPNB)	2210-01-110-47	554	318.606	57.51
17	Public Health Laboratory	2210-06-107-99	350	320.993	91.712
18	Control of Communicable diseases	2210-06-101-49	100	99.03	99.03

19	Society for the medical assistance to the poor	2210-06-101-53	500	499.705	99.941
20	District Mental Health Programme-XVIII	2210-01-110-40	400	312.367	78.092
21	Prevention of Non Communicable Diseases	2210-06-101-45	100	52.473	52.473
22	Medical Care for victims of violence / social abuses	2210-01-110-37	40	40	100
23	Nursing College, Thrissur	4210-03-105-68	0	79.517	0
24	CONSTRUCTION WORKS UNDER DHS	4210-01-110-74	1500	1367.831	91.189
25	Cancer Care Programme	2210-06-101-41	160	69.384	43.365
26	Setting up of de-addiction centres in district hospitals.	2210-01-110-26	150	63.23	42.154
27	Strengthening of institutions under Directorate of Health Services.	2210-01-110-35	1100	1057.721	96.156
28	Strengthening of institutions under Directorate of Health Services	4210-01-110-68	0	47.143	0
29	Strengthening of Medical Record Libraries	2210-06-1-98	100	97.627	97.627
30	New born screening programme	2210-06-107-92	150	150	100
31	Women and Children hospitals	4210-01-110-66	300	456.476	152.159
32	Women & Children hospitals	2210-01-110-30	1000	1000	100
33	Setting up of Maternity Units in selected THQH	2210-01-110-25	100	99.999	99.999
34	Setting up of Maternity Units in selected THQH	4210-01-110-59	100	0	0
35	Nursing Schools	2210-05-105-89	200	164.631	82.316
36	Strengthening of Dental units in Health services Department(Improvement of Dental clinics)	2210-01-110-70	50	48.794	97.587
37	Strengthening of Dental units in Health services Department(Improvement of Dental clinics)	4210-01-110-58	100	100	100
38	COMPREHENSIVE MENTAL HEALTH PROGRAMME	2210-01-110-68	800	395.469	49.434
39	AROGYA KIRANAM-RASHTRIYA BAL SWASTHYA KARYAKRAM	2210-06-101-31	1900	1900	100
40	Establishment of CATH lab and ICU in hospitals	2210-01-110-15	100	99.925	99.925
41	Setting up of Dialysis Units in Major Hospitals	2210-01-110-14	500	500	100

42	Strengthening of Emergency Medical Care	2210-01-110-13	1000	999.982	99.998
43	Construction Works under DHS (ACA)	4210-01-110-65	0	261.033	0
44	Institute for Human Resource Development	4210-01-200-93	0	24.942	0
45	Modernization of Drug Store under DHS	2210-01-110-77	100	99.993	99.993
46	National Health Mission (CSS - 60:40)	2210-06-101-19	32000	58778.955	183.684
47	E-GOVERNANCE IN HEALTH SERVICES(DME) - MATCHING GRANT	2210-01-1-91	1500	1416	94.4
48	DEVELOPING THE PRIMARY HEALTH CENTRE AS FAMILY HEALTH CENTRE	2210-03-103-90	2800	1416	50.571
49	SETTING UP OF LABORATORIES IN PRIMARY HEALTH CENTRE	2210-03-103-89	700	628.405	89.772
50	SETTING UP OF LABORATORIES IN PRIMARY HEALTH CENTRE	4210-02-103-92	50	0	0
51	DEVELOPING SUPER SPECIALITY FACILITIES IN SELECTED DISTRICT/GENERAL HOSPITALS	2210-01-110-11	1996	1996	100
52	DEVELOPING SUPER SPECIALITY FACILITIES IN SELECTED DISTRICT/GENERAL HOSPITALS-XVIII	4210-01-110-60	100	0	0
53	CREATION OF PATIENT FRIENDLY HOSPITAL INITIATIVE (DHS)	2210-01-110-9	3200	3200	100
54	STRENGTHENING OF NURSING SERVICE	2210-01-1-90	160	115.952	72.47
55	Additional Hospital Building in TD Medical College Hospital Vandanam Alappuzha District (NABARD RIDF XXII)	4210-03-105-30	0	605.525	0
56	Solid and liquid waste management in all Government Hospitals	2210-01-110-8	100	96	96
57	Developing the facilities of Hospitals and Health Care Institutions in Tribal, Coastal and Remote areas.	2210-03-110-93	1500	0	0
58	State Nutritional and Diet Related Intervention Programmes	2210-06-200-97	111	44.377	39.979
			57736	83526.55	144.67

Table -3.9.4 2211 Family Welfare Expenditure statement Budget estimate 100% CSS Plan For 2019-20 and 2020-21

Sl. No.	Name of Scheme	2019-20 *			2020-21 #		
		Allocation (Rs. In Thousands)	Total Expenditure (Rs.)	Percentage of Expenditure	Allocation (Rs. In Lakhs)	Total Expenditure (Lakhs)	Percentage of Expenditure
1	2211-00-001-96 State level Organization	3500	641.21	19.00%	3500	262.65	
2	2211-00-001-95 City and District Family Welfare Bureaus	0	2057.23				
3	2211-00-109-98 Reproductive and Child Health Programme	0	145.29				
4	2211-00-003-96 Regional Family Welfare Training Centres	425	246.44	58.00%	425	231.34	
5	2211-00-003-95 Training to Health Visitors and Dias	475	212.42	45.00%	475	154.87	
6	2211-00-106-99 Mass Education	0					
7	2211-00-104-95 Maintenance and Supply of Vehicles to Primary Health Centres	0					
8	2211-00-104-94 Maintenance and Supply of Vehicles to District Family Welfare Bureaus	0					
9	2211-00-104-93 Maintenance and Supply of Vehicles to Regional Family Welfare Centres	0					

10	2211-00-104-92 Health Transport Organisation	0	0	0			
11	2211-00-800-93 Grant-in-Aid	50.03	0	0			
12	2211-00-101-95 Rural Family Welfare Planning Centre (Sub Centres)	29300	36401.46	125.00%	29300	3551.71	
13	2211-00-101-94 Expansion of ICDS Programme	0	1464.54	0			
14	2211-00-200-91 Maintenance of Beds & Sterilization Unit	0	152.75	0			
15	TOTAL	33750.03	41321.34	122.43%	33700	35510.71	
NON PLAN							
16	2211-00-101-96 Rural Family Welfare Centre and PPC (NPVoted)	9831.86	9419.07	96.00%	9831.86	8509.22	
17	2211-00-200-96 PPC MC hospital DH ,GH. (NP Voted)	1027.23	961.21	94.00%	1027.23	855.57	
18	2211-00-200-94 PPC Sub/Divisions/Taluk Hospitals. (NP Voted)	3717.31	3494.85	94.00%	3717.31	3145.12	
20	2211 Compensation/Damages to victims. (NPVoted)	1	0	0			
21	2211-00-800-95 Compensation/Damages to victims. (NP Charged)	100	0	0	100		
	TOTAL	14677.4	13875.13	94.53	14577.41	12509.92	
	*Reconciled, # Unreconciled						



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	3039573	1477808	1561765	484839	238203	246636	28135824	13704903	14430921
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	1004	1008	1011	1022	1027	1028	1022	1016	1032	1036	1058	1084
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 2021)										
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Kerala	33406061	33569592	33734454	33900664	34068228	34237161	34407479	34579194	34752316	34926862	35102842
TVM	3301427	3308210	3315007	3321818	3328643	3335482	3342335	3349203	3356084	3362979	3369889
KLM	2635375	2640445	2645525	2650614	2655713	2660822	2665941	2671070	2676209	2681357	2686516
PTA	1197412	1193812	1190223	1186644	1183076	1179519	1175973	1172437	1168912	1165398	1161894
ALP	2127789	2129661	2131534	2133410	2135287	2137165	2139045	2140927	2142811	2144696	2146581
KTM	1974551	1976654	1978759	1980866	1982976	1985087	1987201	1989317	1991436	1993557	1995680
IDK	1108974	1106969	1104968	1102971	1100977	1098987	1097000	1095017	1093038	1091062	1089090
EKM	3282388	3300590	3318893	3337298	3355804	3374413	3393126	3411942	3430862	3449888	3469019
TSR	3121200	3136290	3151454	3166691	3182001	3197385	3212844	3228378	3243986	3259670	3275430
PKD	2809934	2829941	2850090	2870383	2890820	2911403	2932132	2953009	2974035	2995210	3016536
MLP	4112920	4165133	4218008	4271555	4325782	4380697	4436309	4492627	4549660	4607417	4665907
KKD	3086293	3107812	3129481	3151301	3173273	3195398	3217678	3240113	3262704	3285453	3308361
WYD	817420	821194	824986	828795	832622	836466	840328	844208	848106	852022	855956
KNR	2523003	2534701	2546452	2558259	2570120	2582036	2594007	2606034	2618116	2630255	2642449
KSD	1307375	1318180	1329074	1340059	1351134	1362301	1373560	1384912	1396357	1407898	1419534

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
Kerala	4149641	17471135	8408054	9063081	1823664	927888	895776
TVM	390963	1529831	724864	804967	147990	75300	72690
KLM	376679	1448217	680687	767530	137559	69705	67854
PTA	287615	1065799	499820	565979	86181	43601	42580
ALP	248616	979643	464713	514930	89414	45728	43686
KTM	346899	1409158	692673	716485	125143	63745	61398
IDK	267208	1056929	527245	529684	100459	51160	49299
EKM	259915	1048025	518510	529515	93614	47778	45836
TSR	250877	1024794	488303	536491	100977	51631	49346
PKD	482285	2133124	1031466	1101658	231892	117763	114129
MLP	448037	2295709	1095308	1200401	320051	162918	157133
KKD	235703	1013721	484784	528937	114602	58254	56348
WYD	183375	785840	386283	399557	88727	45158	43569
KNR	202229	882017	425682	456335	95223	48428	46795
KSD	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
Kerala	3704113	15934926	7619358	8315568	1649291	840356	808935
TVM	446914	1771596	856814	914782	159071	81077	77994
KLM	292696	1187158	566281	620877	116701	59194	57507
PTA	35069	131613	61896	69717	10656	5401	5255
ALP	287342	1148146	548429	599717	102632	52716	49916
KTM	140397	565393	275616	289777	49343	25078	24265
IDK	12604	52045	25563	26482	5182	2625	2557
EKM	554096	2234363	1101047	1133316	210628	107404	103224
TSR	508333	2096406	992460	1103946	202973	104231	98742
PKD	154935	676810	328012	348798	70405	35933	34472
MLP	345962	1817211	865020	952191	253990	129214	124776
KKD	462007	2072572	986158	1086414	221043	112175	108868
WYD	7519	31580	15401	16179	3597	1836	1761
KNR	352069	1640986	755764	885222	179095	90731	88364
KSD	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
Kerala	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
Total	29098518	1036	749	31841374	1058	820	33406061	1084	860

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	11.75	9.16	21.85	16.04	22.82	24.76	26.29	19.24	14.32	9.43	4.91
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

Appendix A

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	
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	
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	District TB Centre, Alappuzha 0477 - 2252861	Cherthala THQH	0478-2812693
17		Mavelikkara DH	0479-2303394
18		Karuvatta TB Clinic	0479-2491933
19		Alappuzha DTC	0477-2252861
20	District TB Centre, Kottayam 0481 - 2303965	Vaikom THQH	04829-221261
21		Kanhirapally GH	04828-202292
22		Kottayam DTC	0481-2303965
23		Changanassery GH	0481-2402329
24		Pala, Gen. Hospital	0482-2215154
25	District TB Centre, Idukki, 0486 - 2233157	Thodupuzha, THQH	
26		Vandenmedu CHC	04868-277302
27		Adimaly THQH	04864-22670
28		Painavu DH	04862-232474
29	District TB Centre, Ernakulam 0484 - 2225491	Ernakulam DTC	
30		Kochi THQH	0484-2216444
31		Kothamangalam THQH	0485-2822603
32		Perumbavoor THQH	0484-2523138
33		Moovattupuzha GH	0485-2832360
34		Aluva DH	0484-2629242
35		North Paravur THQH	0484-2442365
36	District TB Centre, Thrissur 0487 - 2428886	Thrissur DTC	
37		Vadakkanchery DH	04884-232221
38		Chavakkad TH	0487-2501110
39		Kodungallur THQH	0480-2802394
40		Chalakkudy GH	0480-2701823
41		Irinhalakuda THQH	0480-2825213

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

A2- Institutions with Palliative Care Programmes

District	Sl No	Name of major Hospitals
Thiruvananthapuram	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
Kollam	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
Pathanamthitta	1	DH Kozhencherry
	2	GH Pathanamthitta
	3	GH Adoor
	4	THQH Konni
	5	THQH Mallappally
	6	THQH Ranny
	7	THQH Thiruvalla
Alappuzha	1	THQH Haripad
	2	DH Chengannur
	3	DH Mavelikkara
	4	GH Alappuzha
	5	THQH Cherthala
	6	THQH Kayamkulam
	7	THQH Thuravoor
Idukki	1	DH Idukki
	2	DH Thodupuzha
	3	THQH Adimaly
Idukki	4	THQH Kattapana
	5	THQH Nedumkandam
	6	THQH Peerumedu
Kottayam	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
Ernakulam	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
Trissur	1	GH Thrissur
	2	GH Irinjalakkuda
	3	DH Wadakkanchery
	4	THQH Chavakkad
	5	THQH Chalakudy
	6	THQH Kodungallur
	7	TH Kunnankulam
	8	TH Pudukkad
	9	TH Chelakkara
Palakkad	1	District Hospital, Palakkad
	2	Taluk Hospital, Mannarkkad
	3	Taluk Hospital, Pattambi
	4	Taluk Hospital, Ottapalam
	5	Taluk Hospital, Chittur
Palakkad	6	Taluk Hospital, Alathur
	7	CHC Kongad
	8	CHC Parli
	9	CHC Pazhambalakode
	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
Malappuram	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
Wayanad	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 Nalloor nad
	12	FHC Vengapally
	13	FHC Noolpuzha
	14	FHC Poothady
	15	FHC Appappara
	16	FHC Pozhuthana
	17	FHC Edavaka
	18	FHC Thondernad
	19	FHC Padinjarathara
	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
Kozhikkode	1	General Hospital, Kozhikode
	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
Kannur	1	DH Kannur
	2	GH Thalassery
	3	TH Kuthuparamba
	4	TH Payyannur
	5	TH Peravoor
	6	THQH Thaliparamba
	7	TH Iritty
Kannur	8	TH Pazhayangadi
	9	TH Peringome
Kasargod	1	District Hospital Kanhangad
	2	General Hospital Kasaragod
	3	THQH Mangalpady
	4	THQH Panathady (Poodamkallu)
	5	THQH Bedadka
	6	THQH Nileschwaram
	7	TH Thrikaripur

A3- CATH LABS UNDER DHS

District	Institution
Kollam	D H Kollam
Pathanamthitta	G H Pathanamthitta
Ernakulam	G H Ernakulam
Malappuram	G H Manjeri



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
Kannur	18	DH Kannur
	19	GH Thalassery
	20	TH Kuthuparamba
	21	TH Pazhayangadi
	22	THQH Thaliparamba
	23	TH Peravoor
	24	TH Iritty
	25	Urban Dialysis Center -Uruvachal
Kasaragode	26	General Hospital, Kasaragod
	27	DH Kanhangad
	28	TH Thrigaripur
Kollam	29	District Hospital, Kollam
	30	Karunagapally
	31	Kottarakkara
	32	Punalur
	33	Sasthamcotta
	34	Kadakkal
	35	Nedungolam
	36	Neendakara
Kottayam	37	General Hospital, Kottayam
Kozhikode	38	DH Vatakara
	39	GGH
	40	TH Kuttியadi
	41	TH Balussery
	42	TH Perambra
	43	TH Thamarassery
	44	TH Feroke

	45	TH Koyilandy
Malappuram	46	DH Tirur
	47	THQH Tirurangadi
	48	THQH Ponnani
	49	THQH Kondotty
	50	CHC Maranchery
	51	CHC Chungathara
	52	CHC Valavannur
	53	DH Nilambur
	54	GMCH Manjeri
	55	PHC TANALUR
Palakkad	56	District Hospital, Palakkad
	57	Taluk Head Quarters Hospital, Ottappalam
	58	Govt Tribal Spl Hospital, Kottathara, Attappady
	59	CHC Chalisserry
	60	THQH Mannarkkad
	61	THQH Chittur
Pathanamthitta	62	District Hospital Kozhencherry
	63	General Hospital Pathanamthitta
	64	General Hospital Adoor
	65	THQH Thiruvalla
	66	THQH Ranni
Thiruvananthapuram	67	General Hospital, Thiruvananthapuram
	68	General Hospital, Neyyattinkara
	69	DH Nedumangadu
	70	TH Fort
	71	THQH Chirayinkeezhu
	72	THQH Parassala
	73	TH Attingal
Thrissur	74	GH Thrissir
	75	THQH Chavakkad
	76	THQH Chalakudy
	77	THQH Kodungallur
	78	TH Kunnankulam
	79	CHC Mala
Wayanad	80	District Hospital, Mananthavady
	81	THQH Sulthan Bathery
	82	Taluk Head Quarters Hospital, Vythiri
	83	CHC Panamaram

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A5- SPECIAL NEWBORN CARE UNITS

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

A6- NEW BORN STABILISATION UNIT

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	DMH	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		8	CHC	Kanyakulangara	0472-2832209
9	KOLLAM	1	THQH	Kottarakkara	0474-2452610
10		2	THQH	Punalur	0475-2228702
11		3	THQH	Karunagapally	0476-2620256
12		4	THQH	Sasthamkotta	0476-2831899
13		5	TH	Kadakkal	0474-2423301
14	PATHANAMTHITTA	1	GH	Pathanamthitta	0468-2222364
15		2	GH	Adoor	04734-223236
16		3	DH	Kozhencherry	0468-2214108
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	KOTTAYAM	1	GH	Changanacherry	0481-2402349
23		2	GH	Kanjirapally	04828-202292
24		3	GH	Pala	04822-215154
25		4	THQH	Vaikom	04829-231261
26	IDUKKI	1	DH	Thodupuzha,Idk	04862-222630
27		2	THQH	Adimaly	04864-22670
28		3	THQH	Nedumkandam,Idk	04868-232650
29	ERNAKULAM	1	GH	Muvattupuzha	0485-2832360
30		2	DH	Aluva	0484-2629242
31		3	W&C	W & C Ernakulam	0484-2224511
32		4	THQH	North Paravoor	0484-2442365
33		5	THQH	Perumbavoor	0484-2523138
34		6	THQH	Kothamangalam	0485-2822603
35		7	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	TH	Areacode	0483-2851700
53		9	CHC	Edappal	0494-2685189
54	KOZHIKKODE	1	DH	Vadakara	0496-2524259
55		2	THQH	Koilandy	0496-2620241
56		3	TH	Perambra	0496-2610575
57		4	TH	Kuttiyadi	0496-2597173
58		5	TH	Thamarasserry	0495-2222098
59	WAYANAD	1	DH	Mananthavadi	04935-240265
60		2	THQH	Sulthan Bathery	04936-221136
61		3	THQH	Vythiri	04936-255228
62		4	CHC	Meenangady	04936-247290
63	KANNUR	1	GH	Thalassery	0490-2322150
64		2	THQH	Thaliparamba	0460-2203298
65		3	TH	Payyanur	0498-5205716
66		4	TH	Koothuparamba	0490-2364150
67	KASARGODE	1	GH	Kasaragod	0494-230080
68		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.	Cateogry
1	K.V.M.Hospital	Chertala, Alappuzha, Kerala 688524	Alappuzha	Private	BB
2	Century Hospital	Mulakuzha, Chenganoor, Alappuzha, Kerala 689505	Alappuzha	Private	BCSU
3	Sacred Heart Hospital	Green Gardens, Mathilakom, Cherthala, Alappuzha, Kerala 688524	Alappuzha	Private	BB
4	V S M Hospital	Thattarambalam, Mavelikkara, Alappuzha, Kerala 690103	Alappuzha	Private	BB
5	Sanjivani Multispeciality Hospital	Alacode, Kollakadavu P O, Cheriyanaad , Chengannur, Alappuzha, Kerala 690509	Alappuzha	Private	BCSU
6	Medical College Hospital	Vandanam, Alappuzha, Kerala 688005	Alappuzha	Government	BCSU
7	Women & Children Hospital	Beach Bazar.P.O, Alappuzha, Kerala 688012	Alappuzha	Government	BB
8	General Hospital, Alappuzha	General Hospital Rd, Anantha Narayanapuram, Alappuzha, Kerala 688011	Alappuzha	Government	UpComm ing BCSU
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, Kaloar, 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, Kakkanad, Ernakulam, Kerala 682 030	Ernakulam	Private	BCSU

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	Chalakka, 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	Adlux Medicity 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 Johns 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, Anakkara, 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)	Painavu, Idukki, Kerala 685603	Idukki	Government	BCSU
43	IMA Blood Bank Society	Thodupuzha, Idukki, Kerala 685584	Idukki	Private	BCSU
44	Chazhikattu Hospital (P) Ltd	Thodupuzha, Idukki, Kerala 685584	Idukki	Private	BCSU
45	Kannur Medical College and Hospital (Prestige edu Trust)	Chovva Mathanur Road, Anjarakandy P.O., Kannur, Kerala 670612	Kannur	Private	BCSU
46	St.Martin De Porres Hospital	Cherukunnu PO, Kannur, Kerala 670301	Kannur	Private	BB
47	Cannanore Co-Op Hospital Society	Kasaragod - Kannur Road, Talap, Talap, Kannur, Kerala 670002	Kannur	Co-operative	BCSU
48	Sara Memorial Medical Laboratory and Blood Bank	Brigade Centre , Fort Road, Kannur Kerala 670001	Kannur	Private	BCSU
49	The Payyannur Co-operative Hospital Society Ltd.	South Bazar, Payyanur, Kannur, Kerala 670503	Kannur	Co-operative	BB
50	Tellichery Co-Operative Hospital	Thalaseery, Kannur, Kerala 670101	Kannur	Co-operative	BB
51	Josgiri Hospital	Thalaseery, Kannur, Kerala 670101	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)	Pariyaram, Kannur, Kerala 670503	Kannur	Government	BCSU
53	District Hospital	Kannur, Kerala 670017	Kannur	Government	BCSU
54	General Hospital, Thalassery	Thalassery, Kannur, Kerala 670101	Kannur	Government	BCSU
55	Malabar Cancer Centre	Moozhikkara P.O., Thalassery, Kannur, Kerala 670003	Kannur	Government	BCSU
56	Aster MIMS,Chala (East),Kannur	Blood Bank,Aster MIMS,Chala (East),Kannur (Dist),670621	Kannur	Private	BCSU
57	Co operative hospital society ltd, taliparamba,kannur	Co operative hospital society ltd; no.c-1468 ,taliparamba,second floor,taliparamba,kannur district,kerala,670141	Kannur	Private	BB
58	District Hospital, Kanhangad	Kanhangad, Kasaragod, Kerala 671315	Kasargod	Government	BCSU

59	General Hospital	Kasaragod, Kerala 671121	Kasargod	Government	BCSU
60	S.N.Trust Medical Mission Sankars Hospital	Q.S. Road, Kollam, Kerala 691001	Kollam	Private	BB
61	Upasana Hospital	Q.S. Road, N.H. 208, Kollam, Kerala 691001	Kollam	Private	BB
62	Padmavathy Medical Foundation	Sasthamkotta Road, Manakkara, Kollam, Kerala 690521	Kollam	Private	BCSU
63	Azeezia Medical College	Diamond Hill, Meeyanoor P.O., Kollam, Kerala 691537	Kollam	Private	BCSU
64	Travancore Medical College Hospital, Medicity	N.H. Bypass road, Umayanalloor, Kollam, Kerala 691589	Kollam	Private	BCSU
65	Medical College Hospital	Parippally, Kollam 691574	Kollam	Government	BCSU
66	Bishop Benziger Hospital	Beach Road, Kollam, Kerala 691001	Kollam	Private	BB
67	District Hospital	Chinnakada, Kollam, Kerala 691001	Kollam	Government	BCSU
68	Holy Cross Hospital	Kottiyam, Kollam, Kerala 691571	Kollam	Private	BCSU
69	IMA Blood Bank	Ist Floor, IMA Centre, Ashramam, Kollam, Kerala 691002	Kollam	Private	BCSU
70	St. Joseph Hospital	Anchal.P.O, Kollam, Kerala 691306	Kollam	Private	BB
71	Taluk Head Quarters Hospital	Kollam - Chenkotta Road, Kottarakara, Kollam, Kerala 691506	Kollam	Government	BB
72	Taluk Head Quarters Hospital	Panamkuttymala, Punalur, Kollam, Kerala 691305	Kollam	Government	BCSU
73	Meditrina Hospital	Kollam - Ayoor Road, Ayathil, Kollam, Kerala 691021	Kollam	Private	BCSU
74	Mary Queens Mission Hospital	Palampra P.O., Kanjirapally, Kottayam, Kerala 686 518	Kottayam	Private	BB
75	Little Lourde Mission Hospital	Kidagoor, Kottayam, Kerala 686752	Kottayam	Private	BB
76	St Thomas Hospital	Kurissummoodu P.O., Chettipuzha, Changanacherry, Kottayam, Kerala 686104	Kottayam	Private	BB
77	MUM Hospital	Monippally P.O., Kottayam, Kerala 686636	Kottayam	Private	BB
78	Holy Ghost Mission Hospital	Muttuchira, Kottayam, Kerala 686613	Kottayam	Private	BB
79	S.H. Medical Centre	Nagampadam, Kottayam, Kerala 686001	Kottayam	Private	BCSU
80	Carmel Medical Centre	Kizhathadiyoor PO, Pala, Kottayam, Kerala 686574	Kottayam	Private	BB
81	Marian Medical Centre	Arunapuram P.O., Pala, Kottayam, Kerala 686574	Kottayam	Private	BCSU
82	Velankanni Matha Hospital Pvt. Ltd.	MC Road, Thellakom, Kottayam, Kerala 686630	Kottayam	Private	BCSU

83	Caritas Hospital	M.C. Road, Thellakom, Kottayam, Kerala 686630	Kottayam	Private	BCSU
84	Indo American Hospital	Chemmanakary, Akkarappadam P.O, Vaikom, Kottayam, Kerala 686143	Kottayam	Private	BB
85	Bharath Charitable Hospital Society	Azad Lane, Kottayam, Kerala 686001	Kottayam	Private	BCSU
86	District Hospital	Kottayam-Kumily Rd, Kottayam, Kerala 686001	Kottayam	Government	BCSU
87	I.H.M. HOSPITAL	Bharananganam, Pala, Kottayam, Kerala 686578	Kottayam	Private	BB
88	Medical College Hospital	Gandhi Nagar, Kottayam, Kerala 686008	Kottayam	Government	BCSU
89	Mar Sleevea Medicity Palai	Cherpunkal, Kezhuvankulam PO ,Kottayam 686584	Kottayam	Private	BCSU
90	Malabar Medical College Hospital	Modakkallur, Atholi, Kozhikode, Kerala 673321	Kozhikode	Private	BCSU
91	Metromed International Cardiac Centre	Thondayad Bypass Road, Palazhi, Kozhikode, Kerala 673014	Kozhikode	Private	BB
92	Kozhikode District Co - Operative Hospital	Mini Bypass Road, Eranhipaalam, Kozhikode, Kerala 673006	Kozhikode	Co-operative	BCSU
93	Baby Memorial Hospital	Indira Gandhi Road, Arayidathupalam, Kozhikode, Kerala 673004	Kozhikode	Private	BCSU
94	KMCT Hospital	Manassery P.O, Mukkam, Kozhikode, Kerala 673602	Kozhikode	Private	BCSU
95	National Hospital	Mavoor Road, Near KSRTC Bus Stand, Kozhikode, Kerala 673001	Kozhikode	Private	BCSU
96	Malabar Institute Of Medical Sciences	Mini By-pass Road, Govindapuram, Kozhikode, Kerala 673016	Kozhikode	Private	BCSU
97	IQRAA Hospital	Malaparamba, Kozhikode, Kerala 673009	Kozhikode	Private	BCSU
98	Nirmala Hospital	Wayanad Road, Marikunnu, Vellimadukunnu, Kozhikode, Kerala 673012	Kozhikode	Private	BB
99	St. Joseph's Hospital	Agastianmoozhi, Mukkam, Kozhikkode, Kerala 673602	Kozhikode	Private	BB
100	PVS Hospital	Railway Station Road, Kozhikode, Kerala 673002	Kozhikode	Private	BCSU
101	Santhi Hospital	Omaserry, Kozhikode, Kerala 673582	Kozhikode	Private	BB
102	Badagara Sahakarana Asupathri Ltd.	Narayana Nagar, Vadakara, Kozhikode Kerala 673101	Kozhikode	Co-operative	BCSU
103	General Hospital (Beach)	Beach P.O., Kozhikode, Kerala 673032	Kozhikode	Government	BCSU
104	Govt. W & C Hospital	Kottapparamba, Kozhikode, Kerala 673001	Kozhikode	Government	BCSU
105	Medical College Hospital	Kozhikode, Kerala 673008	Kozhikode	Government	BCSU

106	District Hospital	Vadakara, Kozhikode Kerala 673101	Kozhikode	Government	BB
107	Meitra Hospital	Mini Bypass Road, Edakkad, Kozhikode, Kerala 673005	Kozhikode	Private	BCSU
108	MVR Cancer Centre & Research Institute	Choolur, Vellasser PO, Poolacode, Kozhikode, Kerala 673601	Kozhikode	Private	BCSU
109	Edappal Hospital (P) Ltd	Pattambi Road, Edappal, Malappuram, Kerala 679576	Malappuram	Private	BB
110	Malabar Institute of Medical Sciences	Changuvetty, Kottakkal P.O., Malappuram, Kerala 676503	Malappuram	Private	BCSU
111	Almas Hospital	Changuvetty, Kottakkal, Malappuram, Kerala 676503	Malappuram	Private	BCSU
112	Korambayil Hospital	East Road, Manjeri College P.O., Manjeri, Malappuram, Kerala 676122	Malappuram	Private	BCSU
113	Al-Shifa Hospital Pvt Ltd.	Ootty Road, Perinthalmanna, Malappuram, Kerala 679322	Malappuram	Private	BCSU
114	MES Medical College Hospital	Malaparamba, Palachode P.O., Perinthalmanna, Malappuram, Kerala 679338	Malappuram	Private	BCSU
115	Medical College Hospital	Vellarangal, Manjeri, Malappuram, Kerala 676121	Malappuram	Government	BCSU
116	Govt Hospital	Shanti Nagar, Perinthalmanna, Malappuram, Kerala 679322	Malappuram	Government	BCSU
117	District Hospital	Civil Station Road, Thrikandiyoor P.O, Tirur, Malappuram, Kerala 676104	Malappuram	Government	Upgrading as BCSU
118	Karuna Medical College Hospital	Vilayodi, Chittur, Palakkad, Kerala 678103	Palakkad	Private	BCSU
119	Valluvanad Hospital	Kanniyampuram Post, Ottapalam, Palakkad, Kerala 679104	Palakkad	Private	BCSU
120	Palakkad Blood Bank	Soorya Enclave, Opposite Palat Hospital, Civil Station Road, Palakkad Kerala 678001	Palakkad	Private	BB
121	The Palakkad District Co-operative Hospital	Rajiv Gandhi Hospital Complex, Kallekkad, Kodunthirapully P.O. Palakkad 678004	Palakkad	Co-operative	BCSU
122	District Hospital	Sultanpet, Palakkad, Kerala 678001	Palakkad	Government	BCSU
123	Ahalia Hospital	Kanal Pirivu, Palakkad, Kerala 678557	Palakkad	Private	BCSU
124	PK Das Institute of Medical Sciences	Vaniamkulam, Ottapalam, Palakkad, Kerala 679522	Palakkad	Private	BCSU
125	Kerala Medical College Hospital	Mangode, Cherpulassery, Palakkad, Kerala 679503	Palakkad	Private	BB

126	Mother Care Hospital	Vattambalam, Kumaramputhur P.O, Mannarkkad, Palakkad, Kerala 678583	Palakkad	Private	BB
127	Taluk Head QuartersHospital,Mannarkad	Mannarkkad PO,Palakkad 678582	Palakkad	Government	BCSU
128	Lifeline Super Speciality Hospital	14th Mile, Melood P.O, Adoor, Pathanamthitta, Kerala 691554	Pathanamthitta	Private	BCSU
129	Muthoot Health Care Private Limited	College Road , Kozhencherry, Pathanamthitta, Kerala 689641	Pathanamthitta	Private	BCSU
130	Fellowship Mission Hospital	Vellikara, Kumbanad, Thiruvalla, Pathanamthitta, Kerala 689547	Pathanamthitta	Private	BB
131	Chithra Hospital	Main Central Rd, Kadakkadu, Pandalam, Pathanamthitta, Kerala 689501	Pathanamthitta	Private	BB
132	Tiruvalla Medical Mission Hospital	Tiruvalla, Pathanamthitta, Kerala 689101	Pathanamthitta	Private	BCSU
133	Pushpagiri Hospital	Thiruvalla, Pathanamthitta, Kerala 689101	Pathanamthitta	Private	BCSU
134	Believers Church Medical College Hospital	St.Thomas Nagar, Kuttapuzha P.O., Thiruvalla, Pathanamthitta, Kerala 689103	Pathanamthitta	Private	BCSU
135	MGM Muthoot Medical Centre	Ring Road, Pathanamthitta, Kerala 689645	Pathanamthitta	Private	BB
136	Poyanil Hospital	Kozhencherry, Pathanamthitta, Kerala 689641	Pathanamthitta	Private	BCSU
137	Mount Zion Medical College Hospital	Ezhamkulam, Adoor, Pathanamthitta, Kerala 691556	Pathanamthitta	Private	BCSU
138	General Hospital	Pathanamthitta, Kerala 689645	Pathanamthitta	Government	BCSU
139	Taluk Headquarters Hospital	Thiruvalla, Pathanamthitta, Kerala 689101	Pathanamthitta	Government	BB
140	Holy Cross Hospital	Kayamkulam - Pathanapuram Road, Adoor, Pathanamthitta, Kerala 691523	Pathanamthitta	Private	BB
141	St. Gregorios Medical Mission Hospital	Parumala, Pathanamthitta, Kerala 689626	Pathanamthitta	Private	BCSU
142	Christian Mission Hospital	SH 1, Pandalam, Pathanamthitta, Kerala 689501	Pathanamthitta	Private	BB
143	Amala Institute of Medical Science	Amala Nagar P.O., Thrissur, Kerala 680555	Thrissur	Private	BCSU

144	St James Hospital	Old Highway, Chalakudy, Thrissur, Kerala 680307	Thrissur	Private	BB
145	St Josephs Hospital	Choondal, Thrissur, Kerala 680502	Thrissur	Private	BB
146	Mary Immaculate Mission Hospital	Chanthappadi, Polakkan, Engandiyoor, Thrissur, Kerala 680615	Thrissur	Private	BB
147	Modern Hospital	Kodungallur P.O., Thrissur, Kerala 680664	Thrissur	Private	BB
148	Unity Hospital (P) Ltd	Kanippayyur P.O., Kunnankulam, Thrissur, Kerala 680503	Thrissur	Private	BB
149	Maria Theresa Hospital	Kundai, Kuzhikkattussery, Mala, Thrissur, Kerala 680697	Thrissur	Private	BB
150	Mother Hospital	Pullazhi P.O., Olari, Thrissur, Kerala 680 012	Thrissur	Private	BB
151	Sacred Heart Mission Hospital	Pullur P.O., Irinjalakuda, Thrissur, Kerala 680 683	Thrissur	Private	BB
152	West Fort Hitech Hospital	Guruayoor Road, Punkunnam, Thrissur, Kerala 680002	Thrissur	Private	BB
153	West Fort Hospital	Westfort, Thrissur, Kerala 680 004	Thrissur	Private	BB
154	Jubilee Mission Hospital	Fathima Nagar, Nellikunnu, Thrissur, Kerala 680006	Thrissur	Private	BCSU
155	Malankara Medical Mission Hospital	Adupooty Hills, Kunnankulam, Thrissur, Kerala 680503	Thrissur	Private	BB
156	General Hospital	Thrissur, Kerala 680020	Thrissur	Government	BCSU
157	IMA Blood Bank Complex & Research Centre	Padukkad Road, Mannumkad, Ramavarmapuram P.O., Thrissur, Kerala 680631	Thrissur	Private	BCSU
158	Medical College Hospital	Mulangunnathukavu, Thrissur, Kerala 680596	Thrissur	Government	BCSU
159	Aswini Hospital Limited, Thrissur	Karunakaran Nambiar Rd, aswani junction, Patturaikkal, opposite to Big Bazaar, Thrissur, Kerala 680020	Thrissur	Private	BB
160	Dr.Somervel CSI Mission Hospital	Karakonam P.O. Trivandrum, Kerala 695504	Trivandrum	Private	BCSU
161	NIMS Hospital	Aralumoodu, Neyyattinkara, Trivandrum, Kerala 695123	Trivandrum	Private	BCSU
162	PRS Hospital Private Limited	Killipalam, Trivandrum, Kerala 695002	Trivandrum	Private	BCSU
163	Ananthapuri Hospital and Research Institute	NH Bypass, Chacka, Trivandrum, Kerala 695024	Trivandrum	Private	BCSU
164	Kerala Institute of Medical Sciences	Anayara P.O, Trivandrum, Kerala 695029	Trivandrum	Private	BCSU
165	Sivagiri Sree Narayana Medical Mission Hospital	Puthenchanda P.O, Varkala, Trivandrum, Kerala 695145	Trivandrum	Private	BB

166	Cosmopolitan Hospitals Pvt Ltd	Pattom, Trivandrum, Kerala 695004	Trivandrum	Private	BCSU
167	Sree Uthradam Thirunal Hospital	Pattom, Trivandrum, Kerala 695004	Trivandrum	Private	BCSU
168	Sree Gokulam Medical College and Research Foundation	Aalamthara - Bhoothamadakki Road, Venjaramoodu, Trivandrum, Kerala 695607	Trivandrum	Private	BCSU
169	SUT Academy of Medical Science	Vencode P.O. , Vattappara, Trivandrum, Kerala 695028.	Trivandrum	Private	BCSU
170	General Hospital	Red Cross Rd., Thiruvananthapuram, Kerala 695035	Trivandrum	Government	BCSU
171	Medical College Hospital	Ulloor, Thiruvananthapuram, Kerala 695011	Trivandrum	Government	BCSU
172	Regional Cancer Centre	Medical College Campus, Ulloor, Thiruvananthapuram, Kerala 695011	Trivandrum	Government	BCSU
173	Sree Chitra Thirunal Institute for Science & Technology	Medical College Campus, Ulloor, Thiruvananthapuram, Kerala 695011	Trivandrum	Government	BCSU
174	Taluk Headquarters Hospital	Chirayinkeezhu, Thiruvananthapuram, Kerala 695304	Trivandrum	Government	BB
175	W & C Hospital	CV Raman Pillai Road, Thycaud, Thiruvananthapuram, Kerala 695014	Trivandrum	Government	Upgrading as BCSU
176	District Hospital	Alummoodu, Neyyattinkara, Thiruvananthapuram, Kerala 695121	Trivandrum	Government	BB
177	Sri Ramakrishna Ashrama Charitable Hospital	Sasthamangalam, Thiruvananthapuram, Kerala 695010	Trivandrum	Private	BCSU
178	Leo Hospital	Mandayapuram, Kalpetta P.O., Wayanad, Kerala 673121	Wayanad	Private	BB
179	D M Wayanad Institute of Medical Sciences	Naseera Nagar, Meppadi P.O, Kalpetta, Wayanad, Kerala 673577	Wayanad	Private	BCSU
180	District Hospital	Thazhe Angadi, Mananthavady, Wayanad, Kerala 670645	Wayanad	Government	BCSU
181	Taluk Headquarters Hospital	Police Station Road, Fairland Colony, Sulthan Bathery, Wayanad, Kerala 673592	Wayanad	Government	BCSU

Appendix B

Telephone Numbers

B1- Telephone Numbers of District Medical Officers, Health (2020-21)

District	Name	Office Phone Number	Mobile
Thiruvananthapuram	Dr. Preetha P P	0471 2473257	9946105472
Kollam	Dr R Sreelatha	0474 2795017	9946105473
Pathanamthitta	Dr Sheeja A L	0468 2222642	9446105475
Alappuzha	Dr Anithakumary L	0477-2251650	9946105477
Kottayam	Dr Jacob Varghese	0481 2562923	9946105479
		0481 2562778	
Idukki	Dr Priya N	04862 233030	9446130963
Ernakulam	Dr N K Kuttappan	0484 2360802	9946105483
		0484 2562778	
Thrissur	Dr Reena K J	0487 2333050	9946105485
		0487 2333242	
Palakkad	Dr Reetha K P	0491 2505189	9946105487
Malappuram	Dr Sakeena K	04832 736241	9946105489
		04832 737857	
Kozhikode	Dr Jayasree V	04952 370540	9946105491
		04952 370494	
Kannur	Dr Narayana Naik K	04972 700709	9946105495
		04972 700194	
Wayand	Dr Renuka R	0493 5241150	9946105493
		0493 5240390	
Kasagode	Dr Ramdas A V	04672 203118	9447685908
		04672 209433	

B2- Telephone Numbers of Programme Officers, DHS

Sl.No	NAME	DESIGNATION	OFFICE	OFFICE (MOBILE)
1	Dr.SARITHA R L	Director of Health Services	2303025	9447139266
2	Dr.Raju.V.R	Addl.DHS (Plg)	2302292	9400355719
3	Dr.Bindhu Mohan	Addl.DHS (Medical)	2519261	9447343238
4	Dr. Preetha P P	Addl.DHS (FW)	2303080	
5	Dr. Parvathy.A.P	Addl.DHS (TB) I/C MR	2519283	9447424678
6	Dr. Meenakshi	Addl.DHS (PH)	2302160	9946102860
7	Dr. Muraleedharan Pillai C	Addl.DHS (Vig)	2302869	9447136608
8	Dr. Semeera. A	Addl DHS (Training & Administration)	2519303	9447525157
9	Dr. Sandeep K	Dy.DHS (FW)	2302490	8943777106
10	Dr. Vidya K.R	Dy.DHS (PH & Leprocy)	2302745	9446764488
11		Dy.DHS (OPH)	2519225	
12	Dr. Symon Morison	Dy.DHS (Dental)	2519250	6238778118, 9995900000
13	Dr.C. K. Jagadeesan	Dy.DHS(Planning)	2519243	9447124413
14	Dr. Sheela S	Asst.Dir. (PH)	2519318	907277702
15	Dr. Veena H Saroji	Asst. Dir (Planning)		9447696978, 9447819437
16	Dr. Santha K H	Dy.DHS (MH)	2519275	9446221118
17	Dr.Manjula Bai.N.S	Asst. Dir ORT	2519282	9447494937
18	Dr. Bipin K Gopal	IUD M.O	2519275	9946105969
19	Sri Sunil Kumar	Director State TB cell	2466058	
20	Sri.R.T.Madhu	SHTO	2519278	9446460243
21	Smt. Kumari Beena V T	Sr.A.O	2303476, 2519259	9968842969
22	Smt. Sheela P	Sr.F.O	2519279	9446123388
23	Sr. Jaimohan N	Jr. F O	2519343	9747855156
24	Smt. Nisy Chacko	ELO		9633147929
25	Smt. Ushakanthy K	L.O		9495270753
26	Sr. Ajay K N	SMEMO		9446268893
27	Smt. Ambiliprasad	DDNS	2519321	9400779873
28	Smt. M.G.Sobhana	Addl DNS	2519320	9496243554
29	Dr. Sindhu Sreedharan	JAMO (PH)		9747853036
30	Dr.Anoj.S	JAMO(FW)		9447335860
31	Dr. Ajan	JAMO (Planning)		9496337143
32	Dr Suja S R	JAMO (A&T)		9495903797
33	Sri. Preeth V.S	Demographer	2519229	9447859326

Appendix C

DAYS TO BE REMEMBERED

C1- Days to be remembered

Sl. No	Date	Days
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	10-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	June 5-11	ORT Week
19	12-Jun	World day against Child Labour
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	Sept. 25	Heart Day
32	Sept. 26	Day of the Deaf
33	1-Oct	Blood Donation Day & International Day for the elderly
34	2-Oct	National Sanitation Day
35	10-Oct	Mental Health Day
36	12-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	7-Nov	World Cancer Awareness 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	24-Nov	Women's Day
47	1-Dec	World Aids Day
48	3-Dec	World disabled day
49	10-Dec	Human Rights Day

Appendix D

LSGD WARDS

D1- Number of Local Self Government Institutions and the number of Wards

Sl.No.	District	Grama Panchayat		Block Panchayat		District Panchayat		Municipality		Corporation		Total	
		Number	No. of wards	Number	No. of wards	Number	No. of wards	Number	No. of wards	Number	No. of wards	Number	No. of wards
1	TVM	73	1299	11	157	1	26	4	147	1	100	90	1729
2	KLM	68	1234	11	152	1	26	4	131	1	55	85	1598
3	PTA	53	788	8	106	1	16	4	132	0	0	66	1042
4	ALP	72	1169	12	158	1	23	6	215	0	0	91	1565
5	KTM	71	1140	11	146	1	22	6	204	0	0	89	1512
6	IDK	52	792	8	104	1	16	2	69	0	0	63	981
7	EKM	82	1338	14	185	1	27	13	421	1	74	111	2045
8	TSR	86	1465	16	213	1	29	7	274	1	55	111	2036
9	PKD	88	1490	13	183	1	30	7	240	0	0	109	1943
10	MLP	94	1778	15	223	1	32	12	479	0	0	122	2512
11	KKD	70	1226	12	169	1	27	7	265	1	75	91	1762
12	WYD	23	413	4	54	1	16	3	99	0	0	31	582
13	KNR	71	1166	11	149	1	24	9	289	1	55	93	1683
14	KSD	38	664	6	83	1	17	3	113	0	0	48	877
Kerala		941	15962	152	2082	14	331	87	3078	6	414	1200	21867

Appendix E

National Immunisation Schedule

National Immunization Schedule (NIS) for Infants, Children and Pregnant Women

Vaccine	When to give	Dose	Route	Site
For Pregnant Women				
TT-1	Early in pregnancy	0.5 ml	Intra-muscular	Upper Arm
TT-2	4 weeks after TT-1*	0.5 ml	Intra-muscular	Upper Arm
TT- Booster	If received 2 TT doses in a pregnancy within the last 3 yrs*	0.5 ml	Intra-muscular	Upper Arm
For Infants				
BCG	At birth or as early as possible till one year of age	0.1ml (0.05ml until 1 month age)	Intra-dermal	Left Upper Arm
Hepatitis B - Birth dose	At birth or as early as possible within 24 hours	0.5 ml	Intra-muscular	Antero-lateral side of mid-thigh
OPV-0	At birth or as early as possible within the first 15 days	2 drops	Oral	Oral
OPV 1, 2 & 3	At 6 weeks, 10 weeks & 14 weeks (OPV can be given till 5 years of age)	2 drops	Oral	Oral
Pentavalent 1, 2 & 3	At 6 weeks, 10 weeks & 14 weeks (can be given till one year of age)	0.5 ml	Intra-muscular	Antero-lateral side of mid-thigh
Rotavirus#	At 6 weeks, 10 weeks & 14 weeks (can be given till one year of age)	5 drops	Oral	Oral
IPV	Two fractional dose at 6 and 14 weeks of age	0.1 ml	Intra dermal two fractional dose	Intra-dermal: Right upper arm
Measles /MR 1st Dose\$	9 completed months-12 months. (can be given till 5 years of age)	0.5 ml	Sub-cutaneous	Right upper Arm
JE - 1**	9 completed months-12 months.	0.5 ml	Sub-cutaneous	Left upper Arm
Vitamin A (1st dose)	At 9 completed months with measles-Rubella	1 ml (1 lakh IU)	Oral	Oral
For Children				
DPT booster-1	16-24 months	0.5 ml	Intra-muscular	Antero-lateral side of mid-thigh
Measles/ MR 2nd dose \$	16-24 months	0.5 ml	Sub-cutaneous	Right upper Arm
OPV Booster	16-24 months	2 drops	Oral	Oral
JE-2	16-24 months	0.5 ml	Sub-cutaneous	Left Upper Arm
Vitamin A*** (2nd to 9th dose)	16-18 months. Then one dose every 6 months up to the age of 5 years.	2 ml (2 lakh IU)	Oral	Oral
DPT Booster-2	5-6 years	0.5 ml.	Intra-muscular	Upper Arm
TT	10 years & 16 years	0.5 ml	Intra-muscular	Upper Arm

- *Give TT-2 or Booster doses before 36 weeks of pregnancy. However, give these even if more than 36 weeks have passed. Give TT to a woman in labour, if she has not previously received TT.
- **JE Vaccine is introduced in select endemic districts after the campaign.
- *** The 2nd to 9th doses of Vitamin A can be administered to children 1-5 years old during biannual rounds, in collaboration with ICDS.
- #Phased introduction, at present in Andhra Pradesh, Haryana, Himachal Pradesh and Orissa from 2016 & expanded in Madhya Pradesh, Assam, Rajasthan, and Tripura in February 2017 and planned in Tamil Nadu & Uttar Pradesh in 2017.
- \$ Phased introduction, at present in five states namely Karnataka, Tamil Nadu, Goa, Lakshadweep and Puducherry. (As of Feb' 2017)

APPENDIX F

DEFINITIONS

Definitions

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