



**Government of Kerala**

# **DIRECTORATE OF HEALTH SERVICES**

**VANCHIYOOR (P.O) THIRUVANANTHAPURAM**



## **HEALTH AT A GLANCE 2021-22**

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



## PREFACE

This publication titled “Health at a Glance 2021-22” 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

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Date: -06-2024

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

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

## Fact Sheet Kerala 2021-22





### 1.GENERAL INFORMATION

Geographical Area (Km <sup>2</sup> )	38863
Rural Area (Km <sup>2</sup> )	35611.14
Urban Area (Km <sup>2</sup> )	3251.86
Districts	14
Taluks	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)

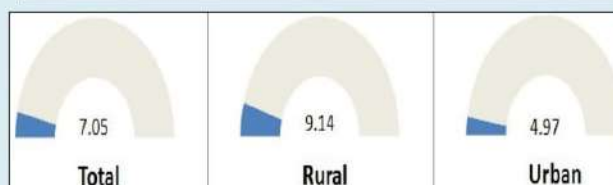
Population	Total	33406061
	Male	16027412
	Female	17378649
	Urban	17471135
	Rural	15934926
Sex Ratio		1084
SC Population	Total	3039573
	Male	1477808
	Female	1561765
ST Population	Total	484839
	Male	238203
	Female	246636
0-6 Population	Total	3472955
	Male	1768244
	Female	1704711
Sex Ratio (Child)		964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

### 3. LITERACY RATE (CENSUS 2011)



Literacy Rate – 94%

### 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)	10
Taluk Head Quarters Hospitals( THQH)	47
Taluk Hospitals (TH)	40
Community Health Centers(CHC)	227
CHC converted to Family Health Centers	
PHC s converted to FHC&24x7converted to FHCs	842
Primary Health Centers( PHC &24x7)	5
Others	79

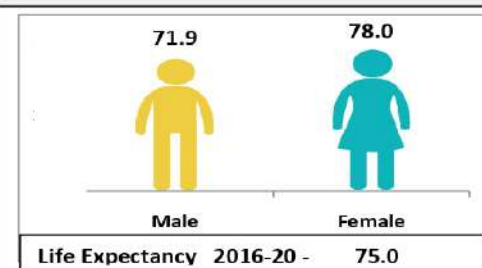
## 6. BIRTH RATE AND MORTALITY RATES (SRS 2020)



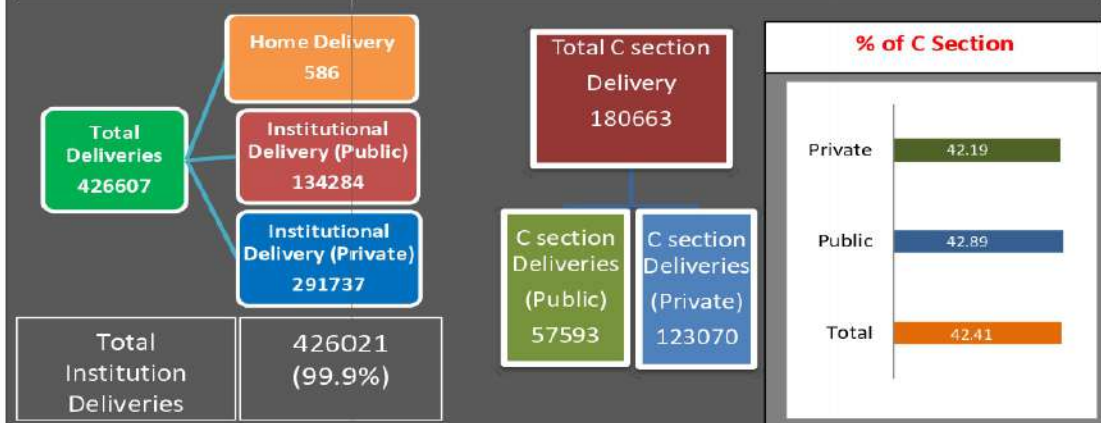
### 6.1 MATERNAL MORTALITY RATIO (MMR) SRS 2018-20



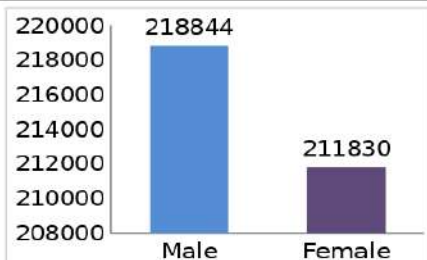
### 7. LIFE EXPECTANCY



## 8. DELIVERIES 2021-22 (SOURCE: HMIS)

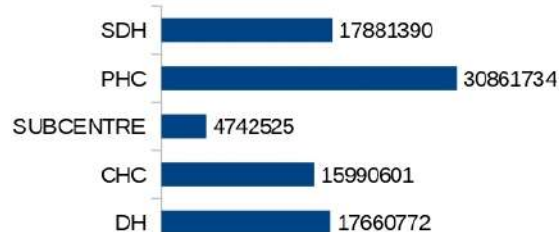


### 9. Live Birth 2021-22 ( Source : HMIS)



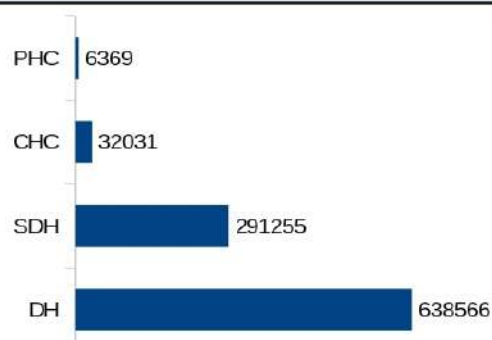
Live Birth 2021-22 - 430674

### 10. OPD by Type of facility 2021-22 (Source: HMIS)



Total Public OPD (including UPHC and excluding MCH)-87137022

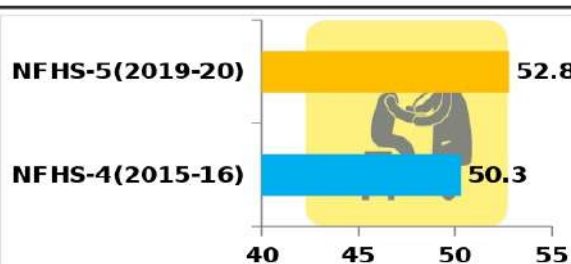
### 11. IPD BY TYPE OF FACILITY 2021-22 ( HMIS)



Total Public IPD (including UPHC and excluding MCH)-968221

### 12. Family Planning (Source NFHS -5)

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



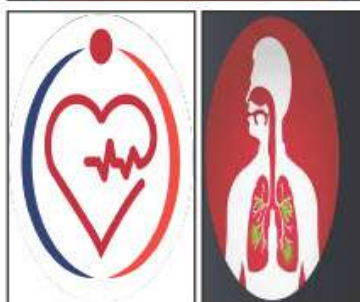
### 13. FULL IMMUNIZATION COVERAGE 0-1 YEARS (RCH PORTAL)



**2021-22**

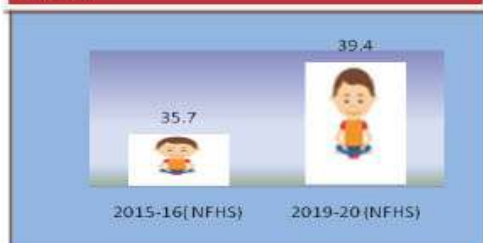
Fully Immunized	95%
Partially Immunized	4%
Unimmunized	0.9%

### 15. PREVALANCE RATE OF DISEASES IN KERALA 2021



Disease	Prevalence Rate(Per 1000 population) 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
Enteric Fever	0.000
Measles	0.002
Acute Respiratory Infection	50.60
Chickenpox	0.448
Viral Hepatitis - A	0.014

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

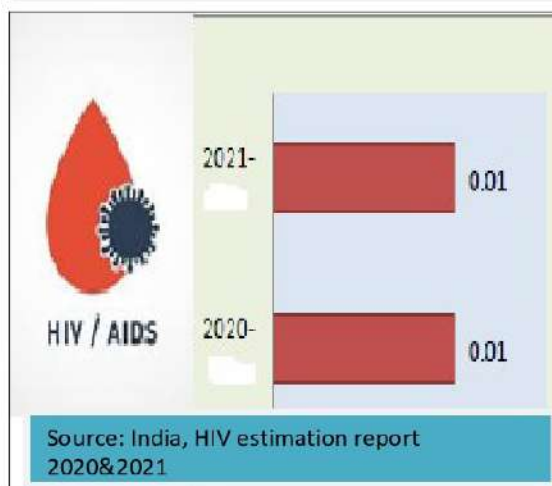


### 18. PERCENTAGE OF CHILDREN AGED 1-4 YEARS HAVING ANAEMIA (ANY <11.0 g/dL)

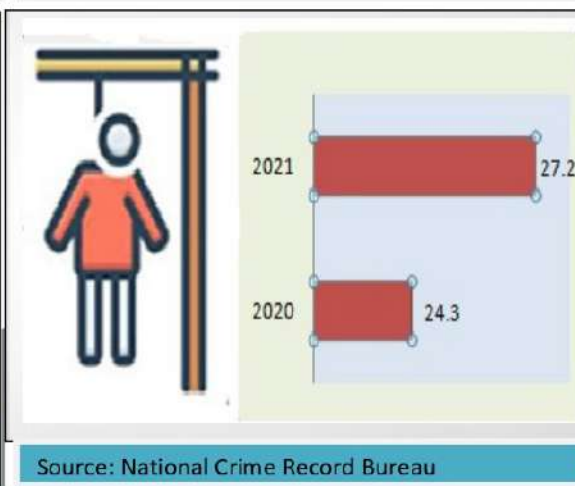




**19. HIV INCIDENCE PER 1000 UNINFECTED POPULATION**



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



**21. OUT OF POCKET MEDICAL EXPENDITURE**



item	Expenditure
Average medical expenditure per hospitalization in govt hospitals (excliding child birth)	4469
Average medical expenditure per hospitalization in private hospitals (excliding child birth)	28775
Average medical expenditure per hospitalization in hospitals (excliding child birth)	19109
Average medical expenditure per spell of ailment in op clinic	480
Average medical expenditure per hospitalization in govt hospitals (excliding child birth)	4469

Source: 75<sup>th</sup> Round National Sample Survey ( July 2017- June 2018)

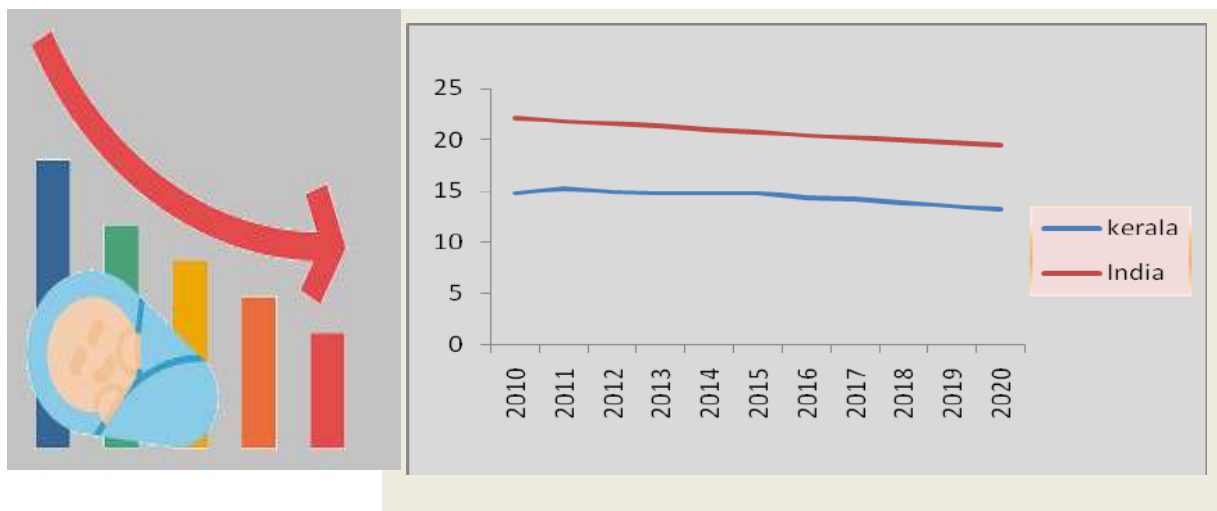


## 2 KEY INDICATORS OF MAJOR SURVEYS ON HEALTH

## 2.1 SAMPLE REGISTRATION SYSTEM ( SRS)

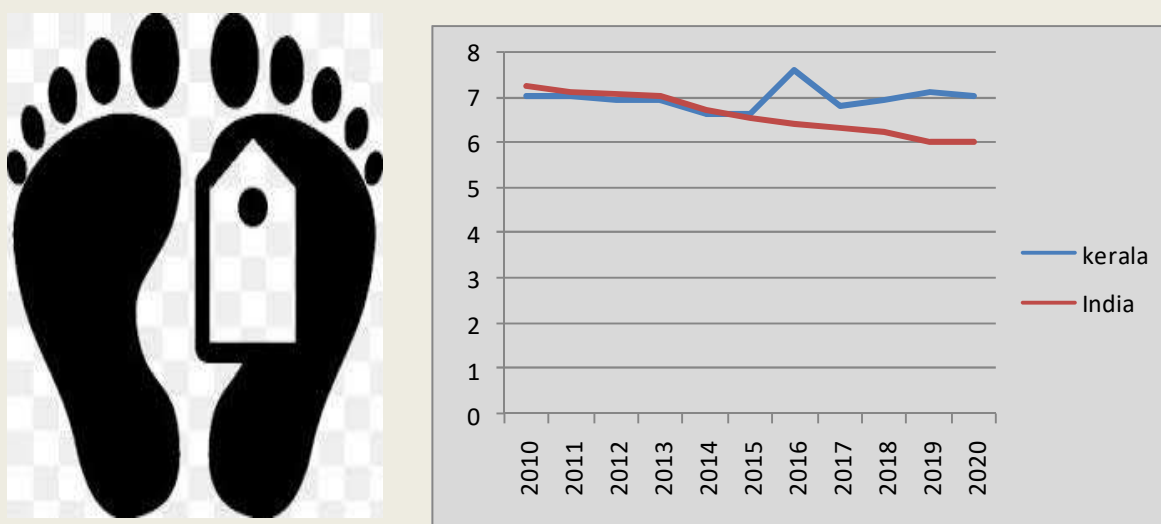
### 2.1.1 Time series Data on Major Indicators

#### 2.1.1.1 BIRTH RATE



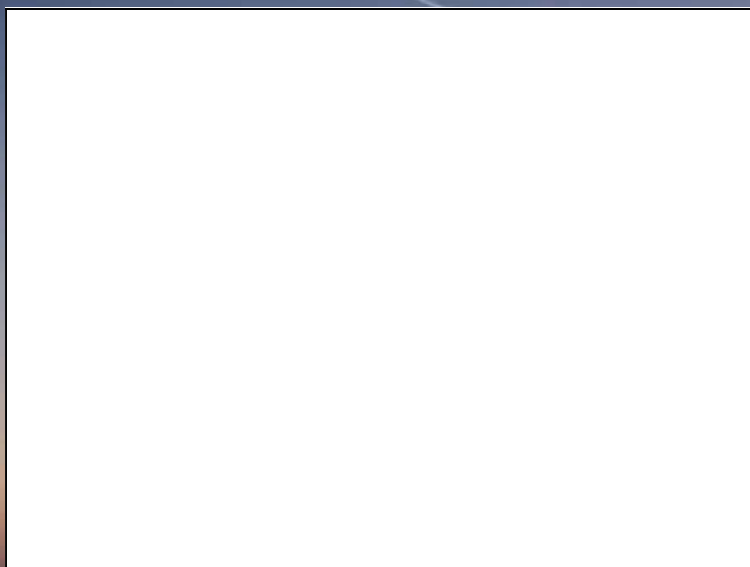
Year wise Birth rate is presented in Table 2.1.1.1

#### 2.1.1.2 DEATH RATE



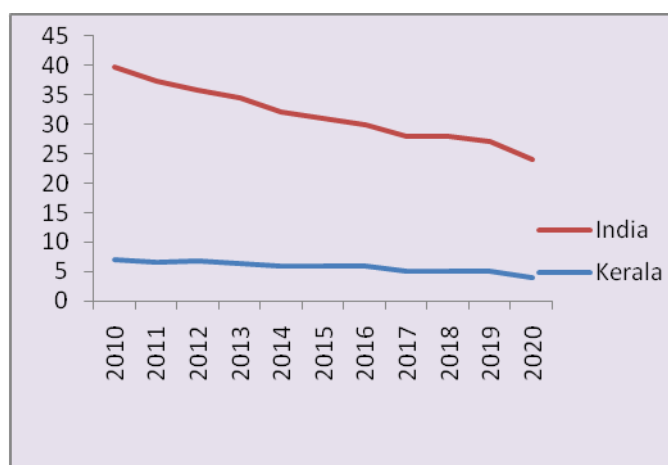
Year wise Death rate is presented in Table 2.1.1.2

### 2.1.1.3 TOTAL FERTILITY RATE



*Year wise TFR is presented in Table 2.1.1.3*

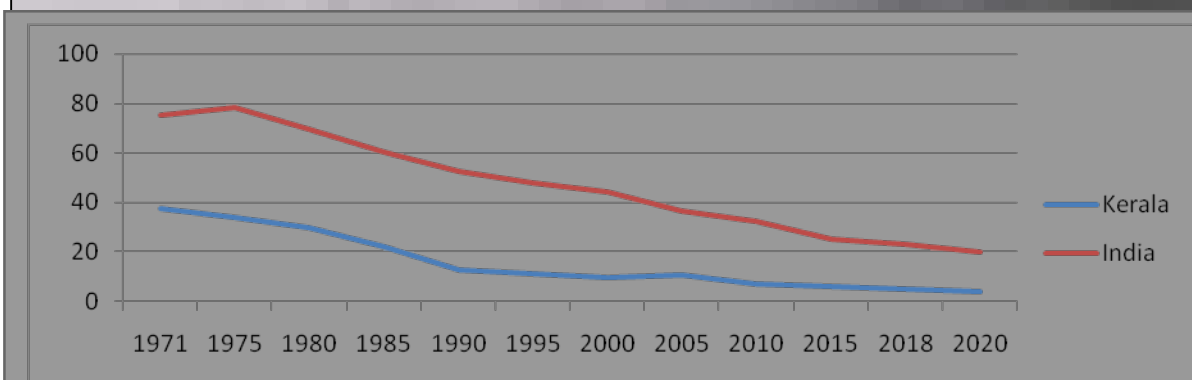
### 2.1.1.4 INFANT MORTALITY RATE



*Year wise IMR is presented in Table 2.1.1.4*

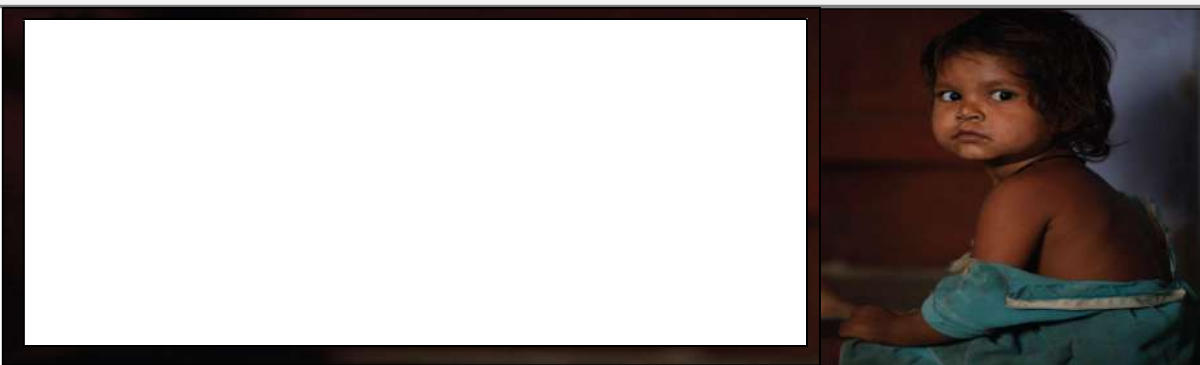


### 2.1.1.5 NEO NATAL MORTALITY RATE (NMR)



Year wise NMR is presented in Table

### 2.1.1.6 UNDER FIVE MORTALITY RATE( U5MR)



### 2.1.1.7MATERNAL MORTALITY RATIO ( MMR)

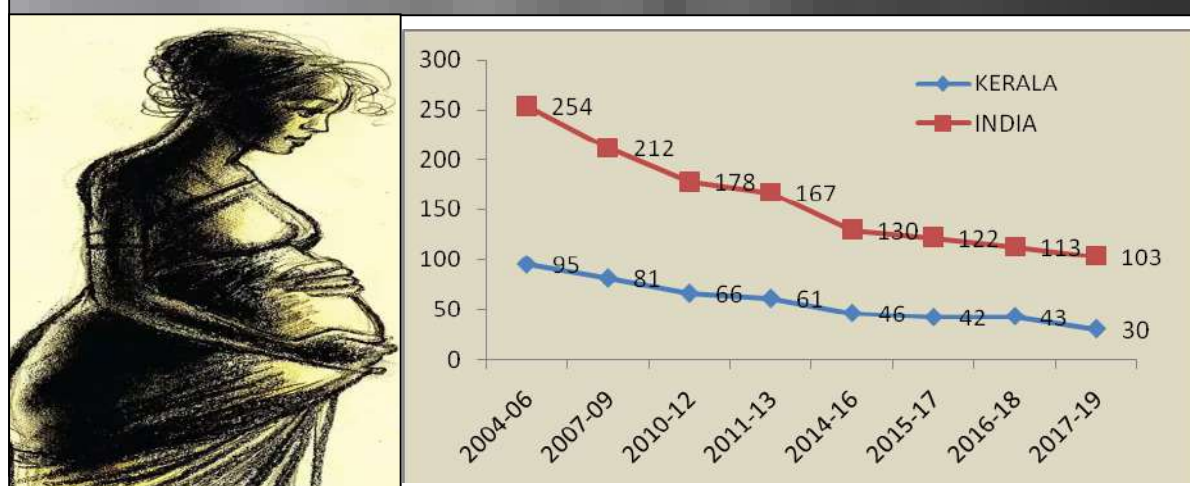


Table2.1.1.1 Birth Rate-SRS

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

Table 2. 1.1.2 Death Rate( SRS)						
	KERALA			INDIA		
	Rural+ Urban	Rural	Urban	Rural+ Urban	Rural	Urban
1971	9.0	9.1	8.4	14.90	16.40	9.70
1972	9.2	9.4	7.8	16.90	18.90	10.30
1973	8.5	8.7	7.2	15.50	17.00	9.60
1974	7.8	8.0	7.0	14.50	15.90	9.20
1975	8.4	8.5	7.8	15.90	17.30	10.20
1976	8.1	8.2	7.6	15.00	16.30	9.50
1977	7.3	7.4	6.8	14.70	16.00	9.40
1978	7.0	7.1	6.7	14.20	15.30	9.40
1979	6.9	6.9	6.6	12.80	13.90	8.40
1980	7.0	7.1	6.5	12.40	13.50	8.00
1981	6.6	6.7	5.8	12.50	13.70	7.80
1982	6.6	6.6	6.6	11.90	13.10	7.40
1983	6.7	6.7	6.9	11.90	13.10	7.90
1984	6.4	6.2	7.3	12.60	13.80	8.60
1985	6.5	6.5	6.6	11.80	13.00	7.80
1986	6.1	6.0	6.9	11.10	12.20	7.60
1987	6.1	6.1	6.2	10.90	12.00	7.40
1988	6.4	6.3	6.7	11.00	12.00	7.70
1989	6.1	6.0	6.1	10.30	11.10	7.20
1990	6.0	6.0	6.1	9.70	10.50	6.80
1991	6.0	6.2	5.3	9.80	10.60	7.10
1992	6.3	6.3	6.5	10.10	10.90	7.00
1993	6.0	6.0	5.8	9.30	10.60	5.80
1994	6.1	5.9	6.4	9.30	10.10	6.70
1995	6.0	6.0	6.0	9.00	9.80	6.60
1996	6.2	6.3	6.0	9.00	9.70	6.50
1997	6.2	6.3	6.1	8.90	9.60	6.50
1998	6.4	6.5	6.2	9.00	9.70	6.60
1999	6.4	6.5	6.3	8.60	9.40	6.25
2000	6.4	6.5	6.2	8.50	9.30	6.30
2001	6.6	6.8	6.2	8.40	9.10	6.30
2002	6.4	6.4	6.2	8.10	8.70	6.10
2003	6.3	6.4	6.1	8.00	8.70	6.00
2004	6.1	6.0	6.4	7.50	8.20	5.80
2005	6.4	6.3	6.5	7.60	8.10	6.00
2006	6.7	6.8	6.5	7.50	8.10	6.00
2007	6.8	6.9	6.4	7.40	8.00	6.00
2008	6.6	6.7	6.4	7.40	7.95	5.92
2009	6.8	6.8	6.5	7.30	7.84	5.84
2010	7.0	7.1	6.7	7.21	7.74	5.77
2011	7.0	7.1	6.6	7.10	7.62	5.67
2012	6.9	7.0	6.5	7.04	7.56	5.60
2013	6.9	7.0	6.6	7.00	7.50	5.60
2014	6.6	6.8	6.5	6.7	7.3	5.5
2015	6.6	6.7	6.4	6.5	7.1	5.4
2016	7.6	7.3	7.8	6.4	6.9	5.4
2017	6.8	7.2	6.5	6.3	6.9	5.3
2018	6.9	7.1	6.7	6.2	6.7	5.1
2019	7.1	7.1	7.2	6.0	6.5	5.0
2020	7.0	7.0	7.1	6.0	6.4	5.1

Table 2. 1.1.3 Total Fertility Rate( TFR)						
Year	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
2020	1.5	1.5	1.5	2.0	2.2	1.6

**Table 2.1.1.4 Infant Mortality Rate ( IMR)**

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

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

**Table 2.1.1.6 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
2020	8	5	12	32	36	21

**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
2018-20	19	97

Table 2.1.1.8 Life Expectancy at Birth by sector

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



Table 2.1.1.9 Life Expectancy at Birth by Sex

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

Health Indicators				
Sl. No.	Indicators		Kerala	India
1	Birth Rate 2020#	Rural	13.1	21.1
		Urban	13.3	16.1
		Total	13.2	19.5
2	Death Rate 2020#	Rural	7.0	6.4
		Urban	7.1	5.1
		Total	7.0	6.0
		Rural Male	8.1	7.0
		Rural Female	6.0	5.8
		Urban Male	8.6	5.7
		Urban Female	5.7	4.5
		Total Male	8.3	6.6
		Total Female	5.9	5.4
		Rural	6.1	14.7
		Urban	6.3	11.5
		Total	6.2	13.5
4	Infant Mortality Rate 2020*	Rural	4.0	31.0
		Urban	9.0	19.0
		Total	6.0	28.0
		Rural Male	6.0	31.0
		Rural Female	2.0	32.0
		Urban Male	15.0	19.0
		Urban Female	3.0	18.0
		Total Male	10.0	28.0
		Total Female	3.0	28.0
		Rural	3.0	23.0
		Urban	6.0	12.0
		Total	4.0	20.0
6	Perinatal Mortality Rate2020 *	Rural	6.0	21.0
		Urban	10.0	12.0
		Total	8.0	18.0
7	Child Mortality Rate 2020 *	Rural	1.1	9.0
		Urban	2.5	5.3
		Total	1.8	8.0
8	Under 5 mortality Rate 2020 *	Rural	5.0	36.0
		Urban	12.0	21.0

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

<b>16</b>	Total Marital Fertility Rate 2020*	Rural	4.6	5.4
		Urban	4.6	4.7
		Total	4.6	5.2
<b>17</b>	Gross Reproduction Rate 2020#	Rural	0.7	1.0
		Urban	0.8	0.8
		Total	0.8	0.9
<b>18</b>	Female age at effective marriage Rate 2020#			
	Below 18	Rural	16.4	17.0
		Urban	16.6	-
		Total	16.5	17.0
	18-20	Rural	19.3	19.2
		Urban	19.3	19.3
		Total	19.3	19.2
	21+	Rural	23.8	24.8
		Urban	25.0	25.1
		Total	24.2	25.0
	All	Rural	22.2	23.2
		Urban	23.9	23.6
		Total	22.7	23.4
<b>19</b>	Maternal Mortality Ratio 2018-20 \$		19.0	97.0
<b>20</b>	Expectancy of Life at Birth 2016-20**	Male	71.9	68.6
		Female	78.0	71.4
		<b>Total</b>	<b>75.0</b>	<b>70.0</b>
	#SRS Bulletin 2020			
	*SRS Report 2020			
	**Life Table SRS 2018-22			
	\$MMR Bulletin 2018-20			

### 2.1.2 Major Health Indicators (SRS 2020)

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

2.3



## NATIONAL FAMILY HEALTH SURVEY -5



## Kerala - Key Indicators

Indicators	NFHS-5 (2019-20)			NFHS-4 (2015-16)
	Urban	Rural	Total	Total
<b>Population and Household Profile</b>				
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 <sup>1</sup> (%)	96.4	93.6	94.9	94.8
9. Population living in households that use an improved sanitation facility <sup>2</sup> (%)	99.0	98.5	98.7	98.2
10. Households using clean fuel for cooking <sup>3</sup> (%)	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
<b>Characteristics of Adults (age 15-49 years)</b>				
14. Women who are literate <sup>4</sup> (%)	99.1	97.5	98.3	na
15. Men who are literate <sup>4</sup> (%)	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
<b>Marriage and Fertility</b>				
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 <sup>5</sup>	15	21	18	21
<b>Infant and Child Mortality Rates (per 1,000 live births)</b>				
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
<b>Current Use of Family Planning Methods (currently married women age 15-49 years)</b>				
28. Any method <sup>6</sup> (%)	61.4	60.1	60.7	53.1
29. Any modern method <sup>6</sup> (%)	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
<b>Unmet Need for Family Planning (currently married women age 15-49 years)</b>				
36. Total unmet need <sup>7</sup> (%)	13.0	12.0	12.5	13.7
37. Unmet need for spacing <sup>7</sup> (%)	7.2	6.8	7.0	8.3
<b>Quality of Family Planning Services</b>				
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 <sup>8</sup> (%)	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

<sup>1</sup>Piped 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.

<sup>2</sup>Flush 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.

<sup>3</sup>Electricity, LPG/natural gas, biogas.

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

<sup>5</sup>Equivalent 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.

<sup>6</sup>Any method includes other methods that are not shown separately; Any modern method includes other modern methods that are not shown separately.

<sup>7</sup>Unmet 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 infertile 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.

<sup>8</sup>Based 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
<b>Maternal and Child Health</b>				
<b>Maternity Care (for last birth in the 5 years before the survey)</b>				
40. Mothers who had an antenatal check-up in the first trimester (%)	93.9	93.3	93.6	95.1
41. Mothers who had at least 4 antenatal care visits (%)	79.3	78.0	78.6	90.1
42. Mothers whose last birth was protected against neonatal tetanus <sup>9</sup> (%)	94.7	95.7	95.2	96.4
43. Mothers who consumed iron folic acid for 100 days or more when they were pregnant (%)	80.5	79.5	80.0	67.1
44. Mothers who consumed iron folic acid for 180 days or more when they were pregnant (%)	66.2	67.7	67.0	47.4
45. Registered pregnancies for which the mother received a Mother and Child Protection (MCP) card (%)	89.9	92.5	91.3	84.2
46. Mothers who received postnatal care from a doctor/nurse/LHV/ANM/midwife/other health personnel within 2 days of delivery (%)	93.1	93.4	93.3	88.7
47. Average out-of-pocket expenditure per delivery in a public health facility (Rs.)	6,602	6,789	6,710	6,901
48. Children born at home who were taken to a health facility for a check-up within 24 hours of birth (%)	*	*	*	*
49. Children who received postnatal care from a doctor/nurse/LHV/ANM/midwife/other health personnel within 2 days of delivery (%)	90.4	92.0	91.2	na
<b>Delivery Care (for births in the 5 years before the survey)</b>				
50. Institutional births (%)	99.7	99.8	99.8	99.8
51. Institutional births in public facility (%)	30.2	37.7	34.1	38.3
52. Home births that were conducted by skilled health personnel <sup>10</sup> (%)	0.1	0.2	0.2	0.1
53. Births attended by skilled health personnel <sup>10</sup> (%)	99.9	100.0	100.0	99.9
54. Births delivered by caesarean section (%)	39.1	38.7	38.9	35.8
55. Births in a private health facility that were delivered by caesarean section (%)	39.4	40.4	39.9	38.6
56. Births in a public health facility that were delivered by caesarean section (%)	38.8	36.1	37.2	31.4
<b>Child Vaccinations and Vitamin A Supplementation</b>				
57. Children age 12-23 months fully vaccinated based on information from either vaccination card or mother's recall <sup>11</sup> (%)	77.6	78.0	77.8	82.1
58. Children age 12-23 months fully vaccinated based on information from vaccination card only <sup>12</sup> (%)	83.3	87.1	85.2	88.3
59. Children age 12-23 months who have received BCG (%)	98.2	97.0	97.6	98.1
60. Children age 12-23 months who have received 3 doses of polio vaccine <sup>13</sup> (%)	85.8	82.5	84.1	88.5
61. Children age 12-23 months who have received 3 doses of penta or DPT vaccine (%)	86.1	84.3	85.2	90.4
62. Children age 12-23 months who have received the first dose of measles-containing vaccine (MCV) (%)	86.4	90.1	88.3	89.4
63. Children age 24-35 months who have received a second dose of measles-containing vaccine (MCV) (%)	16.9	14.2	15.5	na
64. Children age 12-23 months who have received 3 doses of rotavirus vaccine <sup>14</sup> (%)	10.0	9.1	9.5	na
65. Children age 12-23 months who have received 3 doses of penta or hepatitis B vaccine (%)	85.3	80.9	83.0	82.4
66. Children age 9-59 months who received a vitamin A dose in the last 6 months (%)	84.9	83.0	83.9	74.4
67. Children age 12-23 months who received most of their vaccinations in a public health facility (%)	83.9	90.4	87.3	77.6
68. Children age 12-23 months who received most of their vaccinations in a private health facility (%)	16.1	8.7	12.3	22.4
<b>Treatment of Childhood Diseases (children under age 5 years)</b>				
69. Prevalence of diarrhoea in the 2 weeks preceding the survey (%)	4.2	4.3	4.3	3.4
70. Children with diarrhoea in the 2 weeks preceding the survey who received oral rehydration salts (ORS) (%)	(65.9)	56.8	61.1	49.4
71. Children with diarrhoea in the 2 weeks preceding the survey who received zinc (%)	(35.4)	10.6	22.4	14.1
72. Children with diarrhoea in the 2 weeks preceding the survey taken to a health facility or health provider (%)	(90.0)	84.1	86.9	76.3
73. Prevalence of symptoms of acute respiratory infection (ARI) in the 2 weeks preceding the survey (%)	1.9	2.8	2.4	0.8
74. Children with fever or symptoms of ARI in the 2 weeks preceding the survey taken to a health facility or health provider (%)	85.7	86.7	86.2	90.1

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

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

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

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

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

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



## Kerala - Key Indicators

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

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

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

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

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

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

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

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

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

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

## Kerala - Key Indicators

Indicators	NFHS-5 (2019-20)			NFHS-4 (2015-16)
	Urban	Rural	Total	Total
<b>Screening for Cancer among Adults (age 30-49 years)</b>				
<b>Women</b>				
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
<b>Men</b>				
114. Ever undergone an oral cavity examination for oral cancer (%)	0.0	0.9	0.5	na
<b>Knowledge of HIV/AIDS among Adults (age 15-49 years)</b>				
115. Women who have comprehensive knowledge <sup>24</sup> of HIV/AIDS (%)	35.5	34.2	34.8	43.1
116. Men who have comprehensive knowledge <sup>24</sup> 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
<b>Women's Empowerment (women age 15-49 years)</b>				
119. Currently married women who usually participate in three household decisions <sup>25</sup> (%)	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 <sup>26</sup> (%)	94.9	91.4	93.0	90.0
<b>Gender Based Violence (age 18-49 years)</b>				
125. Ever-married women age 18-49 years who have ever experienced spousal violence <sup>27</sup> (%)	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
<b>Tobacco Use and Alcohol Consumption among Adults (age 15 years and above)</b>				
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

<sup>24</sup>Comprehensive 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.

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

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

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

**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

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 ON THE HEALTH INFORMATION CELL IN  
DHS



### 3.1. INFRASTRUCTURE



Table 3.1.1 Number of Modern Medicine Institutions under DHS 2021-22

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

Table 3.1.2 Number of Institutions selected or converted as Family Health Centers 2021-22

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	TOTAL
1	TVM	2	4	66	72
2	KLM	4	6	52	62
3	PTA	5	5	37	47
4	ALP	1	17	44	62
5	KTM	7	12	43	62
6	IDK	5	9	31	45
7	EKM	2	33	42	77
8	TSR	2	11	68	81
9	PKD	3	12	64	79
10	MLP	5	18	65	88
11	KKD	1	5	58	64
12	WYD	2	9	14	25
13	KNR	2	6	74	82
14	KSD	0	9	30	39
15	KERALA	41	156	688	885



Table 3.1.3 Number of other institutions under DHS 2021-22

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 202122

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

Table 3.1.5 Bed strength in the District Hospitals 2021-22

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 2021-22

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 2021-22

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

Table 3.1.8 Bed strength in the Taluk Hospitals 2021-22

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

Table 3.1.9 Bed strength in the Community Health Centers 2021-22

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

Table 3.1.10 Bed strength in the 24x7 Primary Health Centers 2021-22

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

Table 3.1.11 Bed strength in the Primary Health Centers 2021-22

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

Table 3.1.12 Bed strength in the modern medicine institutions selected or converted as FHC's 2021-22

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

Table 3.1.13 Bed strength in the District TB centers 2021-22

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 2021-22

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

Table 3.1.15 Bed strength in the W &amp; C Hospitals 2021-22

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

Table 3.1.16 Bed strength in the Mental Health centers 2021-22

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 2021-22

SL N O	DISTRICT	RURAL		URBAN		TOTAL	
		Number of institutions	Bed strength	Number of institutions	Bed strength	Number of institutions	Bed strength
1	TVM	0	0	1	508	1	508
2	KLM	0	0	1	50	1	50
3	PTA	0	0	0	0	0	0
4	ALP	1	12	0	0	1	12
5	KTM	0	0	0	0	0	0
6	IDK	0	0	0	0	0	0
7	EKM	0	0	0	0	0	0
8	TSR	0	0	0	0	0	0
9	PKD	0	0	0	0	0	0
10	MLP	0	0	1	52	1	52
11	KKD	0	0	0	0	0	0
12	WYD	0	0	0	0	0	0
13	KNR	0	0	0	0	0	0
14	KSD	0	0	0	0	0	0
15	KERALA	1	12	2	610	4	622

Table 3.1.18 Bed strength in the Leprosy Hospitals under DHS 2021-22

SL N O	DISTRICT	RURAL		URBAN		TOTAL	
		Number of institutions	Bed strength	Number of institutions	Bed strength	Number of institutions	Bed strength
1	TVM	0	0	0	0	0	0
2	KLM	0	0	0	0	0	0
3	PTA	0	0	0	0	0	0
4	ALP	1	767	0	0	1	767
5	KTM	0	0	0	0	0	0
6	IDK	0	0	0	0	0	0
7	EKM	0	0	0	0	0	0
8	TSR	1	660	0	0	1	660
9	PKD	0	0	0	0	0	0
10	MLP	0	0	0	0	0	0
11	KKD	0	0	1	262	1	262
12	WYD	0	0	0	0	0	0
13	KNR	0	0	0	0	0	0
14	KSD	0	0	0	0	0	0
15	KERALA	2	1427	1	262	3	1689

Table 3.1.19 Bed strength in the other specialty Hospitals under DHS 2021-22

SL N O	DISTRICT	RURAL		URBAN		TOTAL	
		Number of institutions	Bed strength	Number of institutions	Bed strength	Number of institutions	Bed strength
1	TVM	0	0	2	44	1	44
2	KLM	0	0	0	0	0	0
3	PTA	0	0	0	0	0	0
4	ALP	0	0	0	0	0	0
5	KTM	1	150	0	0	1	150
6	IDK	0	0	0	0	0	0
7	EKM	0	0	0	0	0	0
8	TSR	0	0	0	0	0	0
9	PKD	1	54	0	0	1	54
10	MLP	0	0	0	0	0	0
11	KKD	0	0	0	0	0	0
12	WYD	0	0	0	0	0	0
13	KNR	1	32	1	48	2	80
14	KSD	1	540	0	0	1	540
15	KERALA	4	776	3	92	7	868

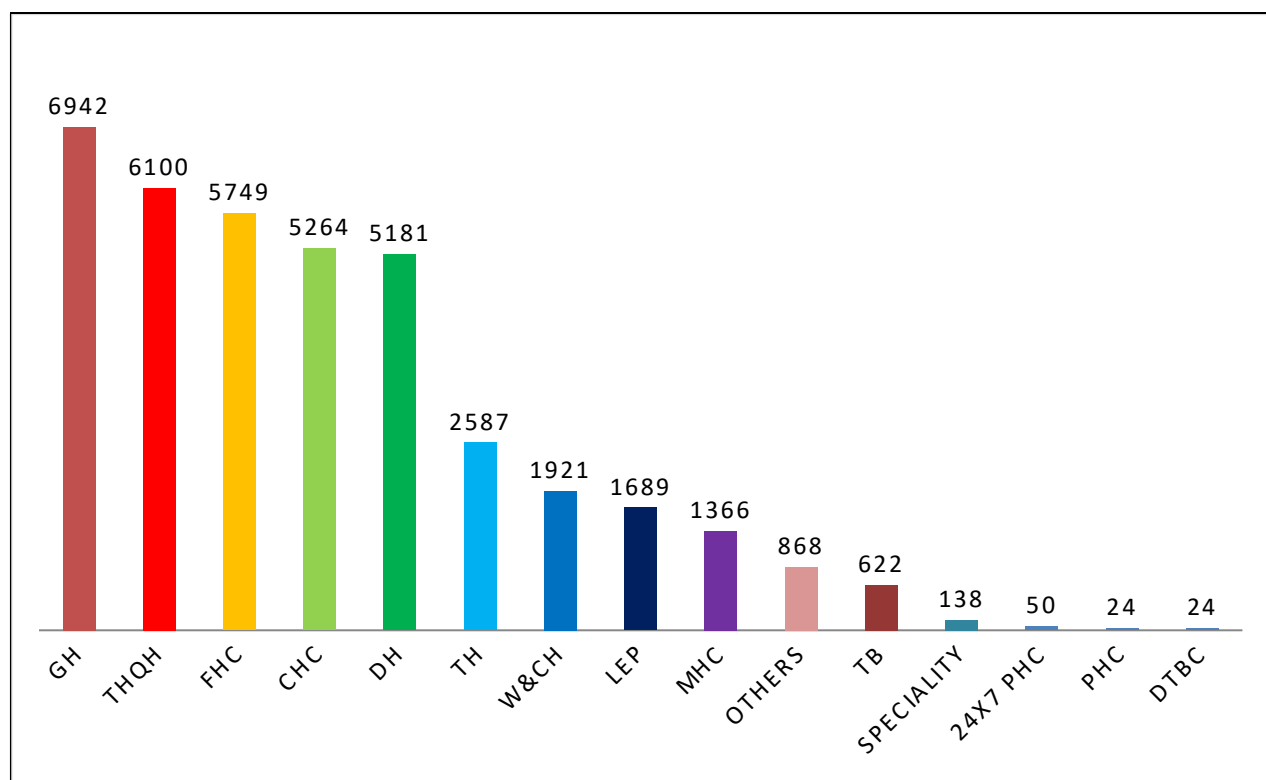


Table 3.1.20 Bed Population Ratio in the institutions under DHS 2021-22

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

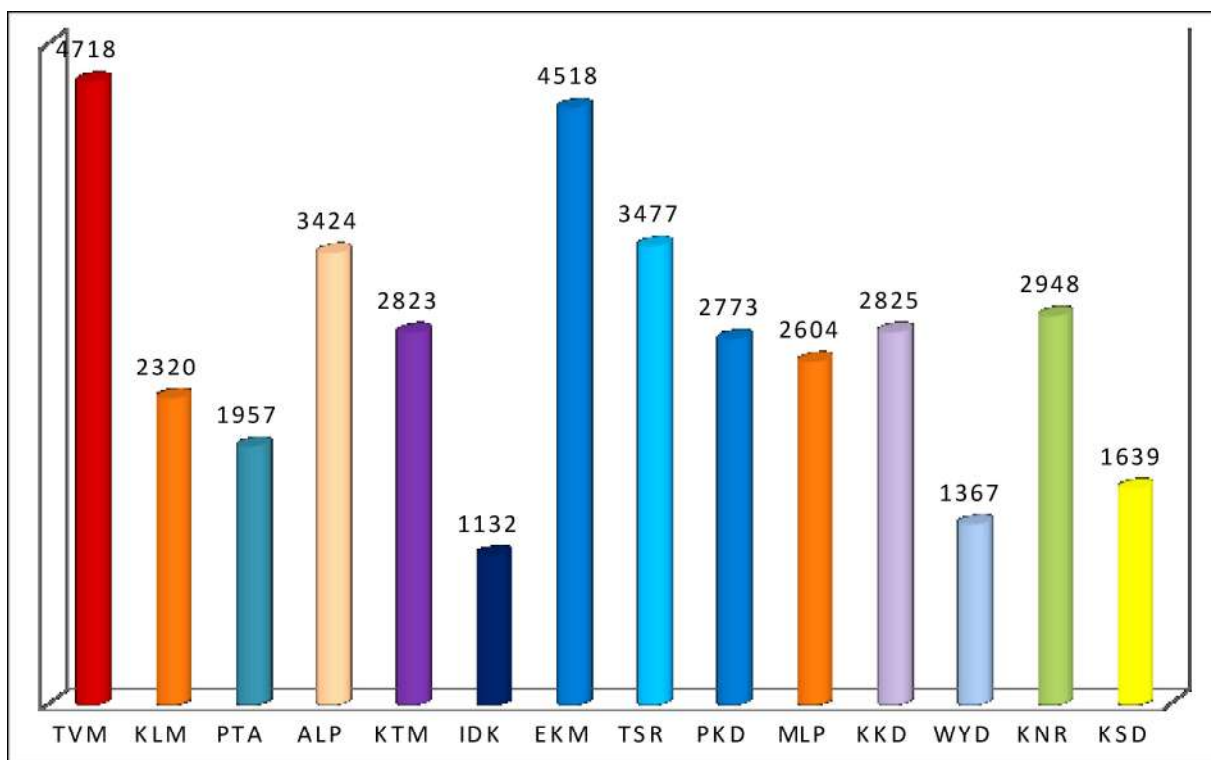


Table 3.1.21 Doctor Bed Ratio in the institutions under DHS 2021-22

SL NO	DISTRICT	No of Doctors	No. of Beds	Ratio
1	TVM	666	4718	7.08
2	KLM	438	2320	5.30
3	PTA	352	1957	5.56
4	ALP	478	3424	7.16
5	KTM	437	2823	6.46
6	IDK	278	1132	4.07
7	EKM	580	4518	7.79
8	TSR	511	3477	6.80
9	PKD	466	2773	5.95
10	MLP	581	2604	4.48
11	KKD	455	2825	6.21
12	WYD	240	1367	5.70
13	KNR	538	2948	5.48
14	KSD	318	1639	5.15
15	DHS	23	0	0.00
	<b>KERALA</b>	<b>6361</b>	<b>38525</b>	<b>6.06</b>

Table 3.1.22 District wise number of ICU beds and Ventilators in the institutions under DHS as on 31.03.2022

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

Table 3.1.23 District wise number of ICU beds and Ventilators in the institutions under DHS as on 31.03.2022

Sl.No.	District	Number of Blood Banks& Blood Components storage unit		Total	BCCU	BB	Total
		Public	Private				
1	TVM	7	13	20	17	3	20
2	KLM	4	12	16	11	5	16
3	PTA	2	13	15	9	6	15
4	ALP	3	5	8	3	5	8
5	KTM	2	14	16	8	8	16
6	IDK	1	9	10	5	5	10
7	EKM	4	22	26	17	9	26
8	TSR	2	15	17	5	12	17
9	PKD	3	9	12	8	4	12
10	MLP	3	6	9	8	1	9
11	KKD	6	13	19	15	4	19
12	WYD	2	2	4	3	1	4
13	KNR	7	7	14	9	5	14
14	KSD	2	0	2	2	0	2
15	KERALA	49	140	188	120	68	188

Table 3.1.24 District Wise Number of Delivery Points in Kerala 2021-22

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

Table 3.1.25 District wise number of Delivery points having Ultrasound scan and Blood transfusion and storage units 2021-22

SL NO	DISTRICT	No. of Delivery Points	No. of Delivery points having	
			Total Number of Ultrasound Machine including Portable	Blood Storage Centre
1	TVM	12	20	7
2	KLM	9	15	10
3	PTA	5	12	4
4	ALP	7	6	11
5	KTM	6	5	11
6	IDK	5	10	2
7	EKM	10	16	15
8	TSR	8	10	21
9	PKD	7	21	8
10	MLP	7	7	12
11	KKD	8	10	13
12	WYD	5	11	5
13	KNR	7	15	13
14	KSD	3	7	1
15	KERALA	99	165	133



Table 3. 1.26 District wise number of Dialysis units under DHS 2021-22

SL NO	DISTRICT	No. of Dialysis Units						
		DH	GH	THQH	TH	CHC	OTHERS	Total
1	TVM	2	2	2	3	0	0	9
2	KLM	1	0	5	2	0	1	8
3	PTA	1	2	2	0	0	0	5
4	ALP	2	1	4	0	0	0	7
5	KTM	1	1	1	0	0	1	4
6	IDK	2	0	1	0	0	0	3
7	EKM	1	2	4	1	0	1	9
8	TSR	1	1	3	2	1	0	6
9	PKD	1	0	4	0	1	2	8
10	MLP	3	0	2	0	3	2	10
11	KKD	1	1	0	6	0	0	8
12	WYD	1	0	2	0	2	0	5
13	KNR	1	1	1	5	0	3	11
14	KSD	1	1	0	3	2	0	7
15	KERALA	19	12	31	22	9	10	103

Table 3.1.27 District wise number of institutions having facilities for eye donation 2021-22

Sl.No.	District	Number of institutions having facilities for eye Donation		
		Public	Private	Total
1	TVM	1	1	2
2	KLM	0	1	1
3	PTA	1	1	2
4	ALP	1	0	1
5	KTM	1	0	1
6	IDK	0	0	0
7	EKM	0	4	4
8	TSR	1	1	2
9	PKD	0	1	1
10	MLP	0	1	1
11	KKD	1	1	2
12	WND	1	0	1
13	KNR	3	0	3
14	KSD	0	0	0
	KERALA	10	11	21

# List is given in Appendix A

Table 3.1.28 District Wise Number of New Born Stabilization Units ( NBSU) 2021-22

Sl No	District	No of NBSU						
		DH	GH	THQH	W&C	TH	CHC	TOTAL
1	TVM	2	1	2	0	2	0	7
2	KLM	0	0	3	0	1	0	4
3	PTA	1	2	2	0	0	0	5
4	ALP	2	0	3	0	1	0	6
5	KTM	0	3	1	0	0	0	4
6	IDK	1	0	2	0	0	0	3
7	EKM	1	1	3	1	0	0	6
8	TSR	1	0	3	0	1	0	5
9	PKD	0	0	4	0	0	0	4
10	MLP	3	0	3	0	1	1	8
11	KKD	0	0	1	0	3	0	4
12	WND	1	1	1	0	0	1	4
13	KNR	0	1	1	0	2	0	4
14	KSD	1	1	0	0	0	0	2
15	KERALA	13	10	29	1	11	2	66

# List is given in Appendix A

Table 3.1.29 District Wise Number of Special New Born Care Units ( SNCU) 2021-22

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

# List is given in Appendix A

Table 3.1.30 District wise number of Health Sub centers by type of Building 2021-22

SI No	District	number of Health Sub centers				
		Owned	Rented	Rent Free	Others	Total
1	TVM	282	70	59	76	487
2	KLM	238	102	57	24	421
3	PTA	149	56	36	19	260
4	ALP	157	142	27	38	364
5	KTM	221	33	35	44	333
6	IDK	223	18	41	27	309
7	EKM	197	17	108	88	410
8	TSR	316	19	53	83	471
9	PKD	456	5	2	41	504
10	MLP	527	23	15	23	588
11	KKD	282	32	27	60	401
12	WND	187	2	1	10	200
13	KNR	269	7	33	107	416
14	KSD	221	4	8	14	247
15	KERALA	3725	530	502	654	5411

Table 3.1.31 District wise number of institutions under DHS situated in Tribal Area 2021-22

SI No	District	Number of institutions					
		DH & GH&W&C	THQ H & TH	CHC	PHC	HSC	Total
1	TVM	0	1	2	7	17	27
2	KLM	0	1	1	6	13	21
3	PTA	0	0	2	7	17	26
4	ALP	0	0	0	0	0	0
5	KTM	0	0	3	10	31	44
6	IDK	1	2	6	22	58	89
7	EKM	0	0	1	1	6	8
8	TSR	0	0	3	8	24	35
9	PKD	0	0	1	15	73	89
10	MLP	1	2	4	20	62	89
11	KKD	0	0	2	15	44	61
12	WND	2	2	7	25	189	225
13	KNR	0	0	0	0	74	74
14	KSD	0	2	1	20	40	63
15	KERALA	4	10	33	156	648	851

Table 3.1.32 District wise number of institutions under DHS situated in Coastal Area 2021-22

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: 31-03-2022

	District	Advance Life Support	Basic Life Support	Patient Transport	Total
1	TVM	4	17	48	69
2	KLM	2	6	16	24
3	PTA	5	37	21	63
4	ALP	0	5	24	29
5	KTM	3	6	25	34
6	IDK	2	4	13	19
7	EKM	3	12	13	28
8	TSR	1	1	33	35
9	PKD	0	8	18	26
10	MLP	0	8	10	18
11	KKD	3	15	19	37
12	WND	3	6	19	28
13	KNR	3	19	12	34
14	KSD	0	0	8	8
	KERALA	29	144	279	452



Table 3.1.34 INSTITUTION WISE VEHICLES DETAIL As On : 31-03-2022

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	24	8	14	4	25	18	1	2	3	3	0	0	0	0	1	0	114
4	ALP	0	10	7	9	8	5	15	7	0	2	2	3	4	0	2	0	2	0	76
5	KTM	0	14	18	1	7	0	16	4	1	4	7	8	0	0	0	0	1	0	81
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	11	6	31	13	0	3	6	10	0	4	0	0	0	0	106
9	PKD	0	14	0	9	13	2	24	19	3	7	2	8	3	0	0	0	1	0	105
10	MLP	0	14	4	17	2	9	17	14	5	7	9	6	1	0	1	0	0	0	106
11	KKD	0	15	4	5	5	11	16	20	0	4	6	4	5	4	0	0	1	0	100
12	WND	0	9	5	16	15	0	17	8	8	2	1	5	0	0	3	0	0	0	89
13	KNR	0	24	7	11	4	28	20	10	1	1	1	3	3	0	0	0	0	0	113
14	KSD	0	12	8	8	1	8	6	1	0	0	3	5	0	0	1	0	0	0	53
	<b>KERALA</b>	<b>21</b>	<b>193</b>	<b>112</b>	<b>101</b>	<b>123</b>	<b>98</b>	<b>276</b>	<b>162</b>	<b>29</b>	<b>47</b>	<b>46</b>	<b>69</b>	<b>25</b>	<b>13</b>	<b>12</b>	<b>0</b>	<b>9</b>	<b>0</b>	<b>1336</b>



Table 3.1.35 INSTITUTION WISE VEHICLES DETAIL - ON ROAD As On : 31-03-2022

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	5	0	0	3	0	144
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	16	7	12	4	22	18	1	2	2	1	0	0	0	0	1	0	96
4	ALP	0	8	5	9	8	4	14	6	0	1	0	3	2	0	2	0	2	0	64
5	KTM	0	13	18	1	7	0	16	3	1	4	6	6	0	0	0	0	1	0	76
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	10	5	25	10	0	3	6	9	0	4	0	0	0	0	93
9	PKD	0	14	0	9	10	1	23	19	3	5	1	7	3	0	0	0	1	0	96
10	MLP	0	14	4	16	2	9	17	14	5	7	3	6	1	0	1	0	0	0	99
11	KKD	0	14	3	3	4	8	15	20	0	4	6	3	5	4	0	0	1	0	90
12	WND	0	9	5	14	11	0	16	7	8	2	1	5	0	0	1	0	0	0	79
13	KNR	0	13	5	9	3	23	14	7	1	1	1	2	2	0	0	0	0	0	81
14	KSD	0	8	4	6	1	4	6	1	0	0	2	5	0	0	1	0	0	0	38
	KERALA	21	166	93	87	102	79	248	151	28	40	33	59	20	13	10	0	9	0	1159

Table 3.1.36 VEHICLE TYPE WISE VEHICLES DETAIL As On : 31-03-2022

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	8	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	74	6	6	2	0	1	1	16	0	0	5	1	2	0	0	114
4	ALP	34	1	16	4	0	0	1	10	0	0	7	0	2	0	1	76
5	KTM	34	3	15	5	0	4	1	10	0	0	7	1	1	0	0	81
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	46	1	22	5	0	2	0	13	0	1	10	4	1	0	1	106
9	PKD	31	2	45	1	0	1	1	8	0	0	13	0	3	0	0	105
10	MLP	19	10	37	13	1	4	0	8	0	0	12	0	2	0	0	106
11	KKD	44	3	11	5	1	5	5	6	0	1	17	2	0	0	0	100
12	WND	33	4	31	4	0	2	3	5	0	0	4	2	1	0	0	89
13	KNR	48	5	30	0	0	7	0	15	0	0	4	2	1	0	1	113
14	KSD	14	4	14	3	0	1	0	7	0	0	6	3	1	0	0	53
	KERALA	546	81	284	51	4	43	23	143	0	2	117	19	17	3	3	1336

Table 3.1.37 VEHICLE TYPE WISE VEHICLES DETAIL - ON ROAD As On : 31-03-2022

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	69	19	15	0	1	5	8	17	0	0	8	0	1	1	0	144
2	KLM	24	10	10	0	1	1	0	9	0	0	7	2	1	0	0	65
3	PTA	63	5	4	2	0	0	1	14	0	0	5	1	1	0	0	96
4	ALP	29	1	13	3	0	0	1	9	0	0	6	0	1	0	1	64
5	KTM	34	3	14	5	0	3	0	8	0	0	7	1	1	0	0	76
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	35	1	21	5	0	2	0	12	0	1	10	4	1	0	1	93
9	PKD	26	2	43	0	0	1	1	7	0	0	13	0	3	0	0	96
10	MLP	18	10	37	7	1	4	0	8	0	0	12	0	2	0	0	99
11	KKD	37	3	11	5	1	4	5	4	0	1	17	2	0	0	0	90
12	WND	28	4	29	2	0	2	3	4	0	0	4	2	1	0	0	79
13	KNR	34	5	22	0	0	4	0	9	0	0	4	2	0	0	1	81
14	KSD	8	2	12	2	0	1	0	4	0	0	6	3	0	0	0	38
	KERALA	452	76	260	37	4	36	22	119	0	2	114	18	13	3	3	1159

### 3.2 HUMAN RESOURCES

Table 3.2.1 Details of Medical and Paramedical Staff in Department of Health Services as on 31.03.2022

Sl. No	Category	No. of Posts
<b>I.</b>	<b>Medical</b>	
1	Director of Health Services	1
2	Addl Director of Health Services / Director PH Lab	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	74
9	Medical Consultant	710
10	Junior Medical Consultant	1389
11	Civil Surgeon	231
12	Dental Civil Surgeon	16
13	Assistant Surgeon	2959
14	Dental Assistant Surgeon	125
15	Casualty Medical Officer(Assistant Surgeon)	565
16	State Nutrition officer	1
	<b>Total (Medical)</b>	<b>6363</b>
<b>II.</b>	<b>Paramedical</b>	
1	Staff Nurse	7300
2	Head Nurse	1518
3	Health Supervisor	174
4	Public Health Nursing Supervisor/Lady Health Supervisor	153
5	Health Inspector	874
6	Public Health Nurse/ Lady Health Inspector	960
7	Lab Technician	1458
8	Ophthalmic Assistant	308
9	X-ray Technician/Radiographer	212
10	Pharmacist	1833
11	Junior Health Inspector	3630
12	Evaluation Assistants	5
13	Junior Public Health Nurse	5542
<b>III.</b>	<b>Other Staff</b>	<b>19580</b>
	<b>Total ( Para Medical)</b>	<b>23967</b>
	<b>Total Staff</b>	<b>49910</b>

Table 3.3.1 Number of Out patients and inpatients in the institutions under DHS and NHM 2021-22

Sl no	District	Out Patients	In Patients
1	TVM	11209742	164905
2	KLM	6919999	65462
3	PTA	3284126	33694
4	ALP	5447064	87122
5	KTM	5416209	47984
6	IDK	2519928	14914
7	EKM	7506273	54592
8	TSR	8321778	65085
9	PKD	6021968	146680
10	MLP	10606890	95965
11	KKD	7081864	66291
12	WND	2551972	29214
13	KNR	7105091	58702
14	KSD	3136793	37611
15	<b>KERALA</b>	<b>87129697</b>	<b>968221</b>

Chart 3.3.1 Increase in OP and IP in the institutions under DHS and NHM from 2020-21 to 21-22

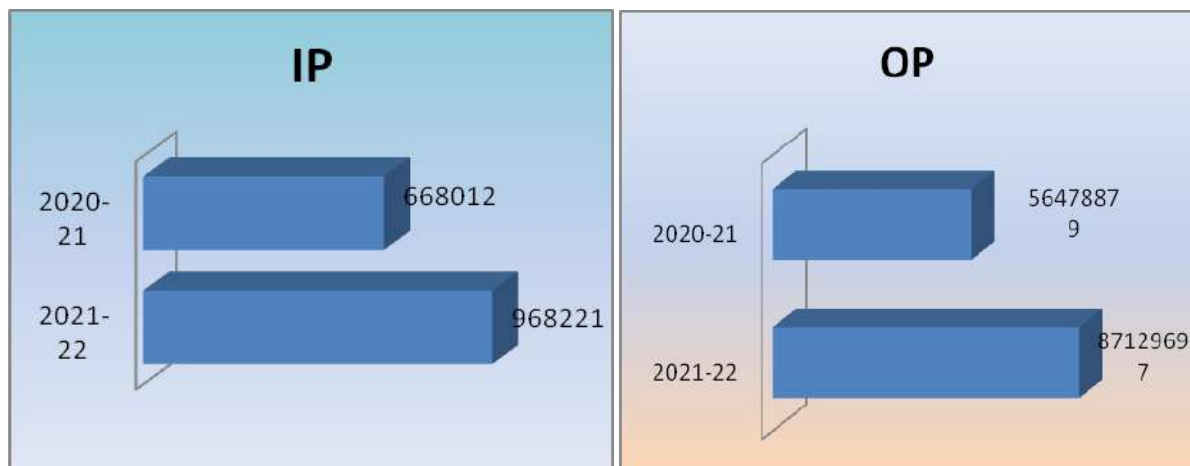
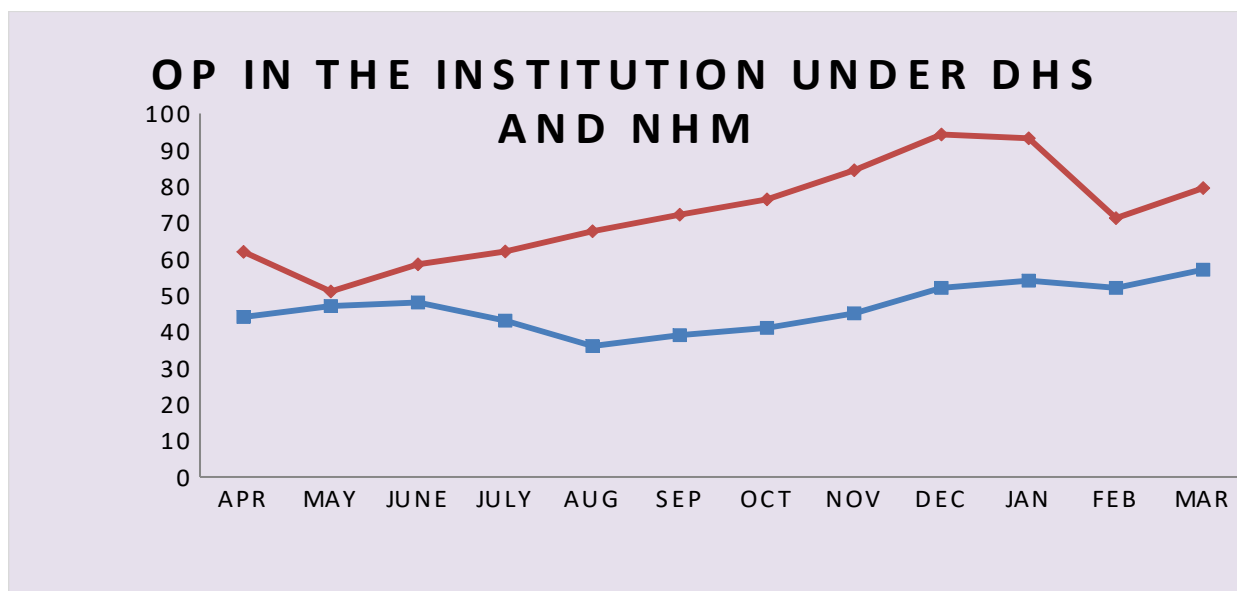


Chart 3.3.2 Month wise comparison of OP in the institutions under DHS and NHM



### 3.4. 1 Number of pregnant women registered for ANC 2021-22

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	34968	30300	86.65
2	KLM	28690	25104	87.50
3	PTA	10649	8495	79.77
4	ALP	20961	18153	86.60
5	KTM	18004	14540	80.76
6	IDK	12487	10893	87.23
7	EKM	32654	26511	81.19
8	TSR	36971	30981	83.80
9	PKD	40613	35269	86.84
10	MLP	96756	85848	88.73
11	KKD	44143	39105	88.59
12	WND	12853	12002	93.38
13	KNR	35971	29992	83.38
14	KSD	23485	20724	88.24
15	<b>KERALA</b>	<b>449205</b>	<b>387917</b>	<b>86.36</b>



### 3.4.2 District wise number of Deliveries 2021-22

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	18	18772	17518	36308	8141	9008	17149
2	KLM	19	11131	13421	24571	5438	7942	13380
3	PTA	14	3965	8210	12189	1920	4448	6368
4	ALP	11	7882	7776	15669	4241	4326	8567
5	KTM	7	7729	12854	20590	3356	6549	9905
6	IDK	44	3879	6343	10266	1968	3298	5266
7	EKM	21	8340	27768	36129	4335	14247	18582
8	TSR	18	12618	26233	38869	5442	11148	16590
9	PKD	49	8805	23991	32845	3612	8144	11756
10	MLP	274	16221	70835	87330	5329	24042	29371
11	KKD	20	15671	27549	43240	6792	10574	17366
12	WND	49	5075	7861	12985	1521	3230	4751
13	KNR	14	10019	26379	36412	4249	12048	16297
14	KSD	28	4177	14999	19204	1249	4066	5315
15	KERALA	586	134284	291737	426607	57593	123070	180663

### 3.4.3 C Section Rate 2021-22

Sl. No	District	PUBLIC			PRIVATE			TOTAL		
		No. of Deliveries	No. of Caesarean	c sec rate	No. of Deliveries	No. of Caesarean	c sec rate	No. of Deliveries	No. of Caesarean	c sec rate
1	TVM	18772	8141	43	17518	9008	51	36290	17149	47
2	KLM	11131	5438	49	13421	7942	59	24552	13380	54
3	PTA	3965	1920	48	8210	4448	54	12175	6368	52
4	ALP	7882	4241	54	7776	4326	56	15658	8567	55
5	KTM	7729	3356	43	12854	6549	51	20583	9905	48
6	IDK	3879	1968	51	6343	3298	52	10222	5266	52
7	EKM	8340	4335	52	27768	14247	51	36108	18582	51
8	TSR	12618	5442	43	26233	11148	42	38851	16590	43
9	PKD	8805	3612	41	23991	8144	34	32796	11756	36
10	MLP	16221	5329	33	70835	24042	34	87056	29371	34
11	KKD	15671	6792	43	27549	10574	38	43220	17366	40
12	WND	5075	1521	30	7861	3230	41	12936	4751	37
13	KNR	10019	4249	42	26379	12048	46	36398	16297	45
14	KSD	4177	1249	30	14999	4066	27	19176	5315	28
15	KERALA	134284	57593	43	291737	123070	42	426021	180663	42

### 3.4.4 Live Birth

SL NO	DISTRICT	Live Birth- Male			Live Birth- Female			
		Public	Private	Total	Public	Private	Total	GRAND TOTAL
1	TVM	9681	9165	18846	9236	8852	18088	36934
2	KLM	5691	6997	12688	5500	6557	12057	24745
3	PTA	1979	4299	6278	2013	4046	6059	12337
4	ALP	4107	4057	8164	3813	3834	7647	15811
5	KTM	3928	6648	10576	3819	6283	10102	20678
6	IDK	2002	3212	5214	1912	3305	5217	10431
7	EKM	4302	14422	18724	4093	14076	18169	36893
8	TSR	6484	13738	20222	6286	12982	19268	39490
9	PKD	4507	12063	16570	4337	11962	16299	32869
10	MLP	8325	36145	44470	8302	35071	43373	87843
11	KKD	8079	14148	22227	7643	13668	21311	43538
12	WND	2507	3994	6501	2590	3933	6523	13024
13	KNR	5141	13402	18543	4904	13321	18225	36768
14	KSD	2137	7684	9821	2077	7415	9492	19313
15	KERALA	<b>68870</b>	<b>149974</b>	<b>218844</b>	<b>66525</b>	<b>145305</b>	<b>211830</b>	430674

### 3.4.5 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	18838	17903	36741	3826	1420	5246	18405	16595	35000
2	KLM	10673	10979	21652	1390	1082	2472	10538	11310	21848
3	PTA	3991	8344	12335	545	1182	1727	3553	8220	11773
4	ALP	7709	7378	15087	1126	662	1788	7897	7209	15106
5	KTM	7746	12931	20677	1588	1063	2651	7557	12751	20308
6	IDK	3777	5725	9502	499	793	1292	3766	5299	9065
7	EKM	8392	28498	36890	1048	4610	5658	7627	21380	29007
8	TSR	12752	26676	39428	1418	2717	4135	12490	26015	38505
9	PKD	8720	23441	32161	1673	2551	4224	6962	19605	26567
10	MLP	15760	68857	84617	1872	7293	9165	16181	65467	81648
11	KKD	15714	27439	43153	3250	2371	5621	15544	27277	42821
12	WND	5097	7927	13024	1086	1018	2104	5082	7911	12993
13	KNR	9864	25308	35172	1419	2713	4132	9401	24465	33866
14	KSD	4202	15078	19280	488	1421	1909	4203	15109	19312
15	KERALA	<b>133235</b>	<b>286484</b>	<b>419719</b>	<b>21228</b>	<b>30896</b>	<b>52124</b>	<b>129206</b>	<b>268613</b>	<b>397819</b>

### 3.4.6 Family Planning

Table 3.4.6.1 Details of contraceptive methods conducted in 2021-22

SL NO	DISTRICT	IUD INSERTIONS			CONDOMS DISTRIBUTED			ORAL PILLS CYCLES/DISTRIBUTED		
		Public	Private	Total	Public	Private	Total	Public	Private	Total
1	TVM	1087	309	1396	233814	5773	239587	10018	212	10230
2	KLM	1063	300	1363	169300	0	169300	7284	0	7284
3	PTA	456	199	655	74596	0	74596	5149	0	5149
4	ALP	978	162	1140	39749	15	39764	3247	76	3323
5	KTM	1413	276	1689	68410	0	68410	7868	0	7868
6	IDK	706	80	786	18637	0	18637	3074	11	3085
7	EKM	923	912	1835	196620	4045	200665	5853	36	5889
8	TSR	1799	770	2569	75150	22	75172	5154	31	5185
9	PKD	1664	316	1980	75229	0	75229	7886	16	7902
10	MLP	2734	2342	5076	89687	14	89701	7653	1259	8912
11	KKD	1999	560	2559	86806	0	86806	10970	0	10970
12	WND	978	389	1367	53523	0	53523	5581	336	5917
13	KNR	1540	132	1672	61140	25	61165	13347	170	13517
14	KSD	1100	163	1263	44769	0	44769	4960	67	5027
15	KERALA	<b>18440</b>	<b>6910</b>	<b>25350</b>	<b>1287430</b>	<b>9894</b>	<b>1297324</b>	<b>98044</b>	<b>2214</b>	<b>100258</b>

Table 3.4.6.2 Details of contraceptive methods conducted in 2021-22

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	556	0	556	614	15	629	16452	1389	17841
2	KLM	524	0	524	134	0	134	15247	260	15507
3	PTA	144	0	144	972	0	972	4535	177	4712
4	ALP	232	0	232	759	7	766	5093	890	5983
5	KTM	1440	0	1440	642	0	642	11769	967	12736
6	IDK	281	0	281	90	0	90	8285	1644	9929
7	EKM	308	0	308	114	52	166	28317	3022	31339
8	TSR	571	0	571	548	35	583	9237	2390	11627
9	PKD	615	0	615	927	0	927	9035	706	9741
10	MLP	687	40	727	580	84	664	17706	7112	24818
11	KKD	768	0	768	1646	47	1693	18754	674	19428
12	WND	314	0	314	556	1	557	9734	297	10031
13	KNR	2904	1	2905	863	6	869	11007	1024	12031
14	KSD	700	0	700	107	0	107	9353	1588	10941
15	KERALA	<b>10044</b>	<b>41</b>	<b>10085</b>	<b>8552</b>	<b>247</b>	<b>8799</b>	<b>174524</b>	<b>22140</b>	<b>196664</b>

Table 3.4.6.3 Details of Sterilizations 2021-2

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	8	0	8	3083	1759	4842	33	152	185	805	742	1547	77	10	87	16	8	24
2	KLM	2	0	2	2674	2042	4716	184	94	278	24	237	261	70	26	96	1	8	9
3	PTA	0	0	0	816	779	1595	96	31	127	85	113	198	108	1	109	9	29	38
4	ALP	110	1	111	1439	663	2102	53	58	111	7	149	156	214	11	225	17	3	20
5	KTM	26	0	26	1422	660	2082	36	24	60	143	71	214	110	8	118	4	6	10
6	IDK	9	0	9	762	896	1658	33	55	88	86	77	163	16	9	25	0	0	0
7	EKM	11	1	12	1493	2607	4100	13	211	224	83	788	871	80	131	211	0	118	118
8	TSR	32	1	33	2087	1723	3810	224	350	574	254	428	682	18	21	39	2	1	3
9	PKD	15	0	15	1942	2145	4087	32	260	292	443	237	680	107	31	138	9	3	12
10	MLP	11	0	11	2118	3733	5851	217	331	548	30	799	829	339	108	447	29	34	63
11	KKD	5	0	5	2394	1762	4156	19	58	77	45	210	255	602	58	660	2	3	5
12	WND	35	1	36	666	543	1209	60	10	70	110	95	205	231	0	231	0	0	0
13	KNR	26	0	26	1665	1817	3482	307	59	366	157	140	297	30	4	34	1	2	3
14	KSD	5	0	5	282	346	628	0	39	39	0	87	87	23	8	31	0	0	0
15	<b>KERALA</b>	<b>295</b>	<b>4</b>	<b>299</b>	<b>22843</b>	<b>21475</b>	<b>44318</b>	<b>1307</b>	<b>1732</b>	<b>3039</b>	<b>2272</b>	<b>4173</b>	<b>6445</b>	<b>2025</b>	<b>426</b>	<b>2451</b>	<b>90</b>	<b>215</b>	<b>305</b>

### 3.4.7 IMMUNIZATION

Chart 3.4.7.1 Full Immunization coverage in Kerala 2021-22 (Children born on 2020-21)

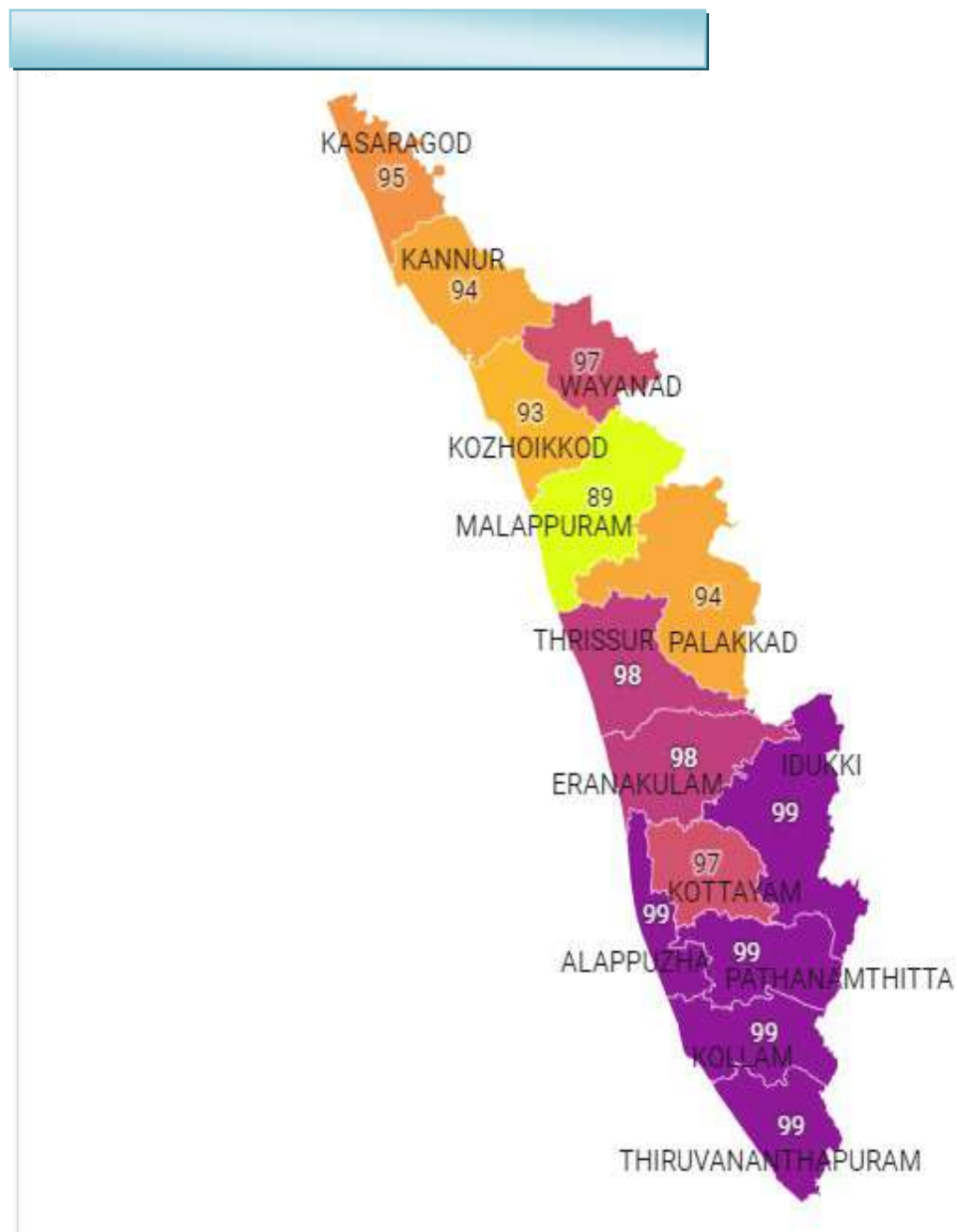


Table 3.4.7.2 Immunization coverage in Kerala 2021-22 (Children born in 2020-21)

SI No	District	Full Immunized (%)	Partially Immunized (%)	Unimmunized (%)
1	TVM	99	1	0.3
2	KLM	99	1	0.5
3	PTA	99	0	0.4
4	ALP	99	1	0.5
5	KTM	97	2	0.4
6	IDK	99	1	0.5
7	EKM	98	1	0.4
8	TSR	98	2	0.6
9	PKD	94	5	0.8
10	MLP	89	9	2.1
11	KKD	93	6	0.6
12	WND	97	2	0.6
13	KNR	94	5	0.6
14	KSD	95	4	0.7
15	<b>KERALA</b>	<b>95</b>	<b>4</b>	<b>0.9</b>

Chart 3.4.7.3 Immunization coverage in Kerala 2021-22(Children born in 2020-21)

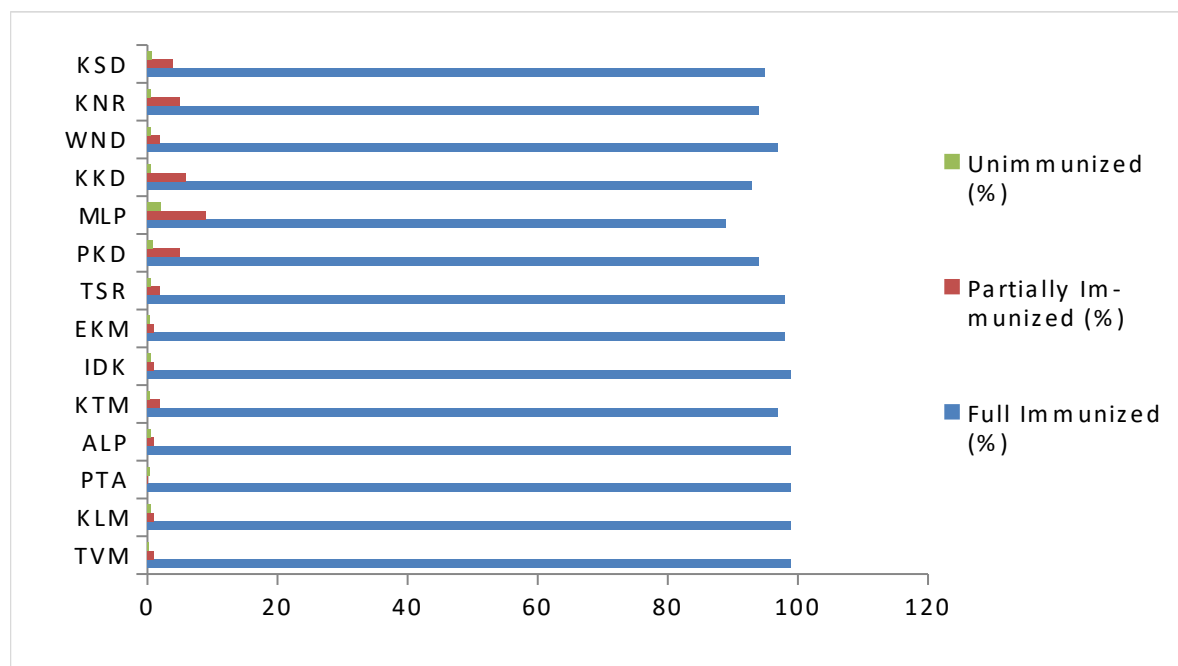


Table 3.4.7.4 Percentage of children received different vaccines among the children registered in RCH portal with Date of Birth 2020-21

District	BCG	OPV0	HEP0	Penta1	OPV1	IPV1	Rota1	Penta2	OPV2	Rota2	Penta3	OPV3	IPV2	Rota3	Measles
TVM	100	100	99	99	99	99	99	99	99	99	99	99	99	99	99
KLM	99	99	97	99	99	98	98	98	98	98	98	98	98	98	99
PTA	100	99	99	99	99	99	99	99	99	99	99	99	99	99	99
ALP	100	99	95	99	99	99	99	99	99	99	99	99	98	99	99
KTM	100	99	98	98	98	98	98	98	98	98	98	98	97	98	97
IDK	99	99	97	99	99	99	99	99	99	99	99	99	98	99	99
EKM	100	99	97	99	99	99	99	99	99	98	98	98	98	98	98
TSR	99	99	94	98	98	98	98	98	98	98	98	98	97	97	98
PKD	99	98	88	96	96	96	96	95	95	95	95	94	94	94	94
MLP	98	90	50	92	92	91	91	89	89	88	88	88	86	86	89
KKD	99	98	90	96	96	95	95	95	95	94	94	94	93	93	93
WND	99	99	98	98	98	98	98	98	98	97	97	97	97	97	97
KNR	99	99	84	96	96	95	96	95	95	95	94	94	93	94	94
KSD	99	97	76	97	97	96	96	96	96	96	96	96	95	95	95
KERALA	99	97	84	96	96	96	96	96	96	95	95	95	94	94	95



### 3.4.8. INTENSIFIED PULSE POLIO IMMUNIZATION PROGRAM (IPPI) JANUARY 2022

Chart 3.4.8.1 Intensified Pulse Polio Immunization Program 2021-2022 District wise Achievement (%)

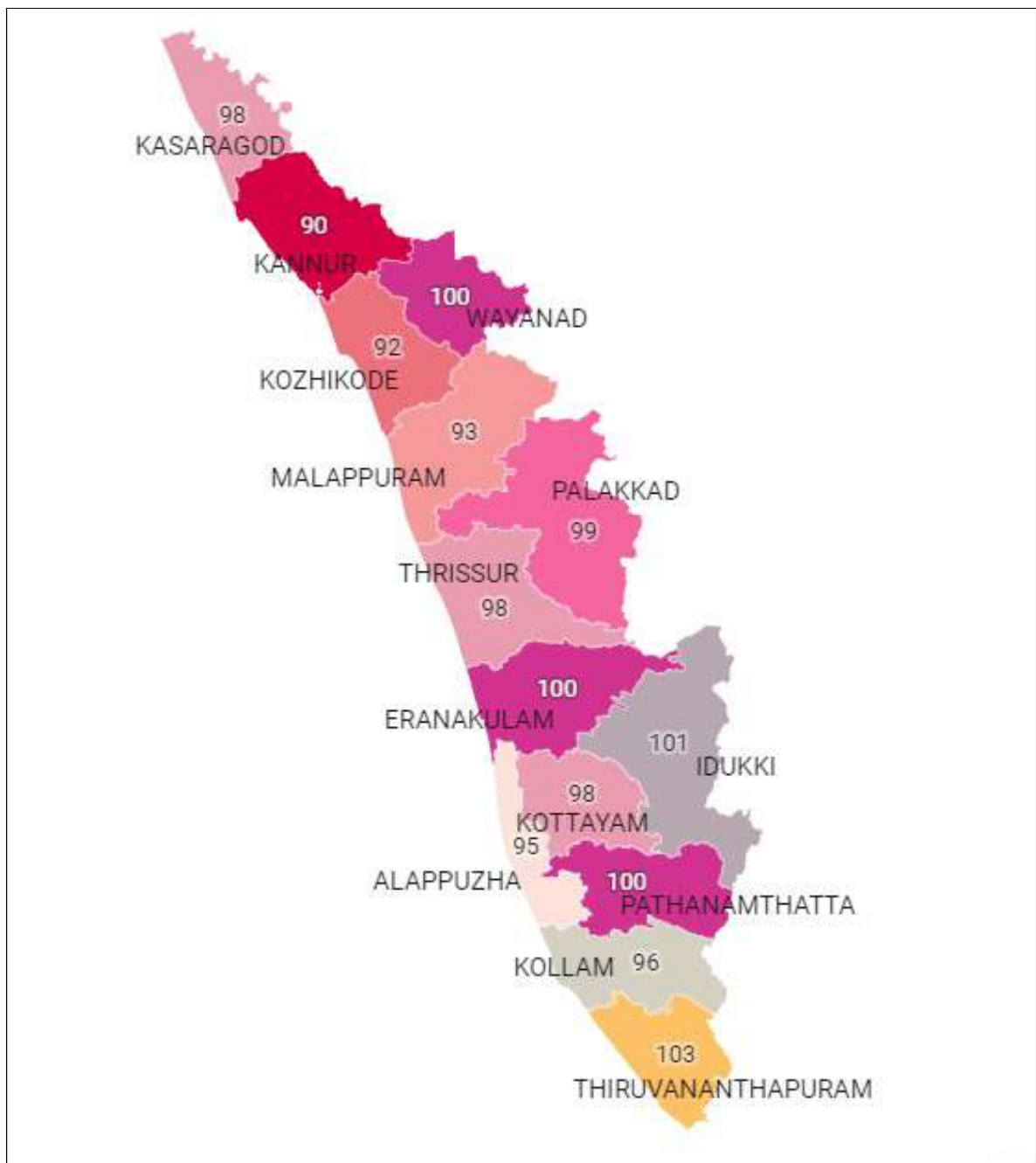


Table 3.4.8.2 Intensified Pulse Polio Immunization Program 2021-District wise Achievement (%)

Sl No	District	TARGET	Total Children Vaccinated	Percentage of achievement	No. of migrant children immunized	Total OPV vials used
1	TVM	215556	221491	102.75	1281	13116
2	KLM	170700	163433	95.74	658	9791
3	PTA	68064	67914	99.78	451	3921
4	ALP	132803	125989	94.87	640	7399
5	KTM	111071	108558	97.74	567	6449
6	IDK	70811	71317	100.71	1963	4342
7	EKM	209098	208376	99.65	5458	11918
8	TSR	209706	205556	98.02	1550	11975
9	PKD	211468	209626	99.13	983	12619
10	MLP	453118	419191	92.51	1656	24579
11	KKD	234814	215844	91.92	763	13161
12	WND	63546	63466	99.87	263	3846
13	KNR	182160	164571	90.34	1145	9724
14	KSD	116307	114333	98.3	706	6495
15	KERALA	2449222	2359665	96.34	18084	139335

### 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 4.0 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 april 2021-september 2021. An IMI 4.0 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 Alappuzha, Eranakulam, Kannur, Kollam, Kozhikkode, Malappuram, Palakkad, Thrissur and Trivandrum districts. In I round of IMI 4.0 held on February 2022, 46% of target pregnant women population were immunized and 28% of children population were immunized. In II round of IMI 4.0 held on March 2022, 72% of target pregnant women population were immunized and 26% of children population were immunized.

Table 3.4.8.3.1 IMI 3.0 Achievement 2021-22 (2022 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
<b>Alappuzha</b>	66	58	327	246	75	120	69	58
<b>Eranakulam</b>	65	61	548	210	38	79	16	20
<b>Kannur</b>	165	160	1915	477	25	2	5	250
<b>Kollam</b>	75	75	136	40	29	5	5	100
<b>Kozhikkode</b>	373	373	4495	2157	48	1403	703	50
<b>Malappuram</b>	546	562	10496	1901	18	354	162	46
<b>Palakkad</b>	208	227	1406	393	28	119	9	8
<b>Trivandrum</b>	10	10	14	6	43	0	0	0
<b>Thrissur</b>	141	142	580	183	32	95	30	32
<b>TOTAL</b>	<b>1649</b>	<b>1668</b>	<b>19917</b>	<b>5613</b>	<b>28</b>	<b>2177</b>	<b>999</b>	<b>46</b>

Table 3.4.8.3.2 IMI 3.0 Achievement 2021-22 (2022 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
<b>Alappuzha</b>	22	16	48	28	58	24	4	17
<b>Eranakulam</b>	28	26	193	78	40	17	13	76
<b>Kannur</b>	146	148	1566	312	20	2	2	100
<b>Kollam</b>	41	40	88	4	5	1	0	0
<b>Kozhikkode</b>	316	316	3081	2807	91	915	839	92
<b>Malappuram</b>	546	556	10205	958	9	168	69	41
<b>Palakkad</b>	193	189	1205	167	14	139	10	7
<b>Trivandrum</b>	7	5	9	0	0	0	0	0
<b>Thrissur</b>	99	76	394	33	8	31	2	6
<b>TOTAL</b>	<b>1398</b>	<b>1372</b>	<b>16789</b>	<b>4387</b>	<b>26</b>	<b>1297</b>	<b>939</b>	<b>72</b>

### 3.5 Mortality Ratio

Chart 3.5.1.1 District wise Maternal Mortality Ratio (MMR) 2021-22

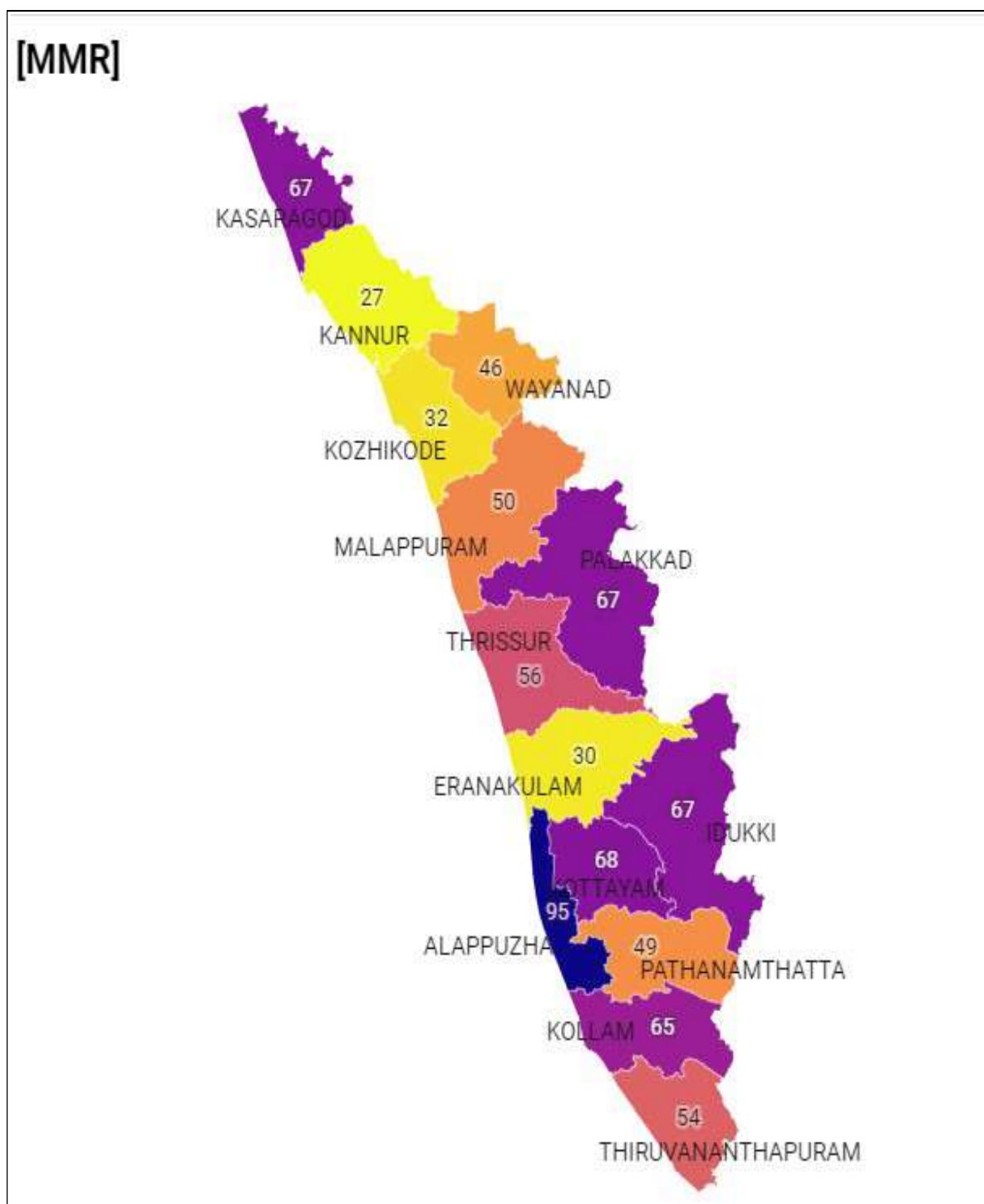


Table 3.5.1.1 District wise Maternal Mortality Ratio (MMR) 2021-22

Sl.No	DISTRICT	LIVE BIRTH	MATERNAL DEATH	MMR(PER LAKH)
1	TVM	36934	20	54
2	KLM	24745	16	65
3	PTA	12337	6	49
4	ALP	15811	15	95
5	KTM	20678	14	68
6	IDK	10431	7	67
7	EKM	36893	11	30
8	TSR	39490	22	56
9	PKD	32869	22	67
10	MLP	87843	44	50
11	KKD	43538	14	32
12	WND	13024	6	46
13	KNR	36768	10	27
14	KSD	19313	13	67
15	KERALA	<b>430674</b>	<b>220</b>	<b>51</b>

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

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

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

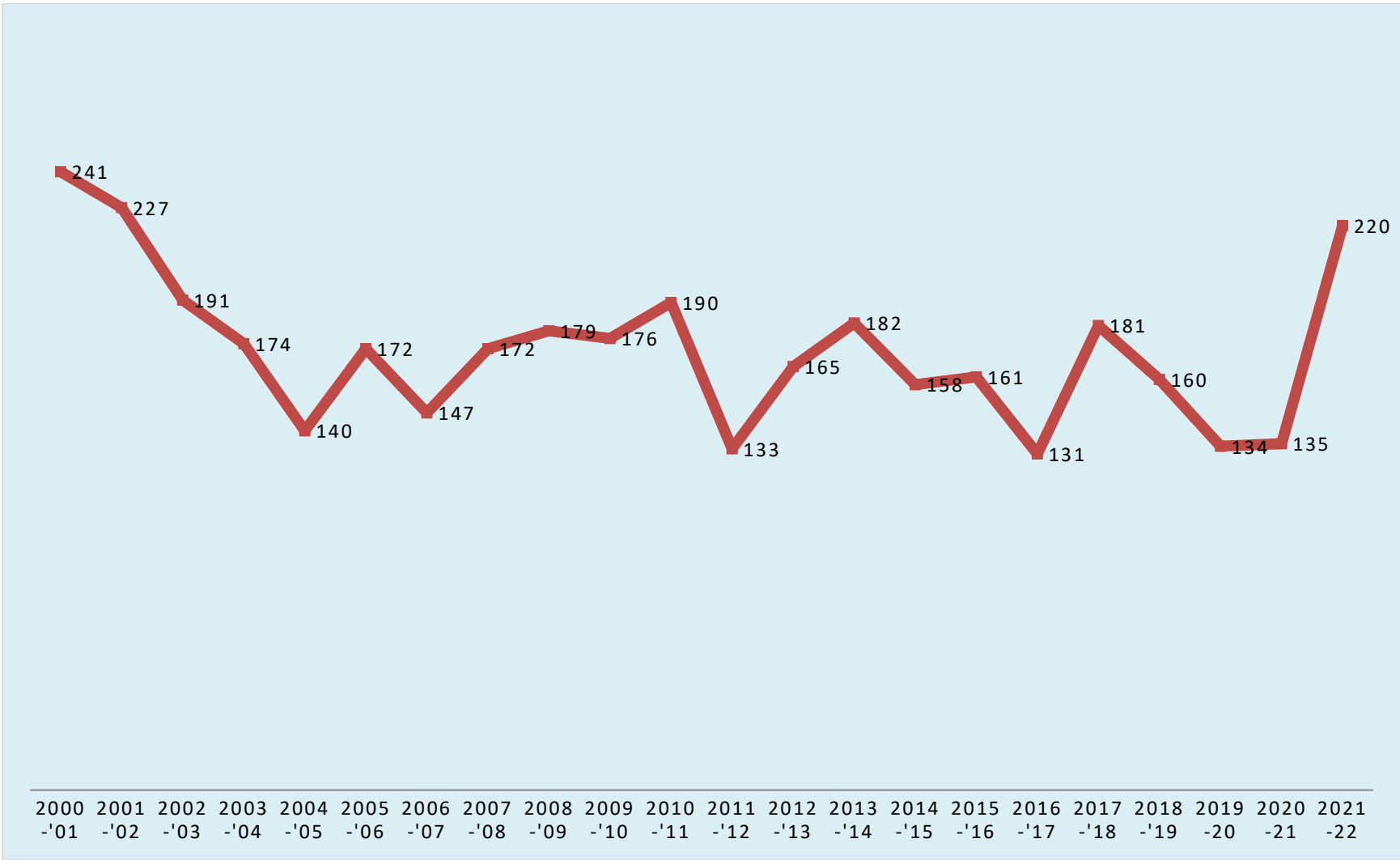
#.Increase rate of Maternal Mortality ratio is high due to Covid Pandemic for the year 2021-22.

Table 3.5.1.3 District wise and Year wise Maternal deaths in Kerala 2000-01 to 2021-22

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	2021-22
1	TVM	32	28	19	25	6	11	20	7	11	15	19	7	18	16	10	13	13	20	7	12	14	20
2	KLM	13	18	16	21	11	15	9	6	13	16	23	22	6	14	16	11	5	14	9	10	11	16
3	PTA	10	9	1	2	6	5	2	5	4	5	5	9	4	6	4	2	2	1	7	1	4	6
4	ALP	6	5	6	8	5	5	7	6	7	7	3	7	6	9	8	9	8	4	8	4	7	15
5	KTM	9	17	5	8	5	11	6	6	10	11	8	6	11	7	6	9	8	7	4	12	6	14
6	IDK	5	1	8	7	7	11	3	10	3	7	10	3	5	7	0	6	6	6	3	6	4	7
7	EKM	17	12	6	12	7	12	8	9	15	21	22	15	7	17	8	7	6	12	5	12	8	11
8	TSR	10	8	16	8	15	8	6	11	17	16	14	10	13	15	12	14	10	12	15	6	9	22
9	PKD	25	35	20	19	20	22	24	31	21	16	23	10	14	14	18	18	18	23	20	12	14	22
10	MLP	34	25	32	16	22	30	30	37	35	31	23	16	40	27	31	36	22	30	39	23	25	44
11	KKD	34	25	28	26	13	13	13	29	15	4	16	13	9	13	17	14	7	30	20	13	13	14
12	WND	16	13	17	6	8	9	7	3	8	7	6	2	13	8	11	4	4	4	9	7	2	6
13	KNR	17	19	8	8	9	12	7	7	9	12	12	7	9	15	11	6	14	10	8	6	7	10
14	KSD	13	12	9	8	6	8	5	5	11	8	6	6	10	14	6	12	8	8	6	10	11	13
15	KER	241	227	191	174	140	172	147	172	179	176	190	133	165	182	158	161	131	181	160	134	135	220

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

Chart 3.5.1.3 Year wise Maternal Deaths in Kerala





### 3.5.2 NEO-NATAL MORTALITY RATE( NMR)

[ NMR]



Table 3.5.2.1 District wise Neo Natal Mortality Rate (NMR) 2021-22

Sl.No	DISTRICT	LIVE BIRTH	NEO NATAL DEATH	NMR
1	TVM	36934	153	4
2	KLM	24745	89	4
3	PTA	12337	33	3
4	ALP	15811	61	4
5	KTM	20678	49	2
6	IDK	10431	59	6
7	EKM	36893	94	3
8	TSR	39490	122	3
9	PKD	32869	99	3
10	MLP	87843	291	3
11	KKD	43538	130	3
12	WND	13024	58	4
13	KNR	36768	98	3
14	KSD	19313	94	5
15	KERALA	430674	1430	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	2021-22
1	TVM	4	4	5	3	4	4	4
2	KLM	4	4	5	5	4	4	4
3	PTA	3	2	3	3	2	2	3
4	ALP	5	5	4	4	5	4	4
5	KTM	3	4	3	3	2	2	2
6	IDK	5	5	6	5	5	6	6
7	EKM	2	2	2	2	2	3	3
8	TSR	3	3	3	3	2	3	3
9	PKD	5	4	4	5	3	4	3
10	MLP	4	4	4	4	3	4	3
11	KKD	3	3	8	3	3	2	3
12	WND	7	5	5	5	5	5	4
13	KNR	3	3	4	3	3	3	3
14	KSD	5	7	5	4	5	5	5
15	KERALA	4	4	4	3	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	2021-22
1	TVM	160	157	222	149	169	133	153
2	KLM	119	104	124	122	107	98	89
3	PTA	51	33	51	39	34	31	33
4	ALP	94	90	69	65	81	68	61
5	KTM	68	82	80	64	53	41	49
6	IDK	62	59	70	59	49	63	59
7	EKM	83	81	72	89	88	102	94
8	TSR	143	122	121	129	102	118	122
9	PKD	179	134	149	160	110	138	99
10	MLP	380	364	365	373	287	298	291
11	KKD	182	175	181	181	147	108	130
12	WND	93	69	77	68	71	64	58
13	KNR	118	111	140	112	111	122	98
14	KSD	97	125	108	86	93	82	94
15	KERALA	1829	1706	1829	1696	1502	1466	1430

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

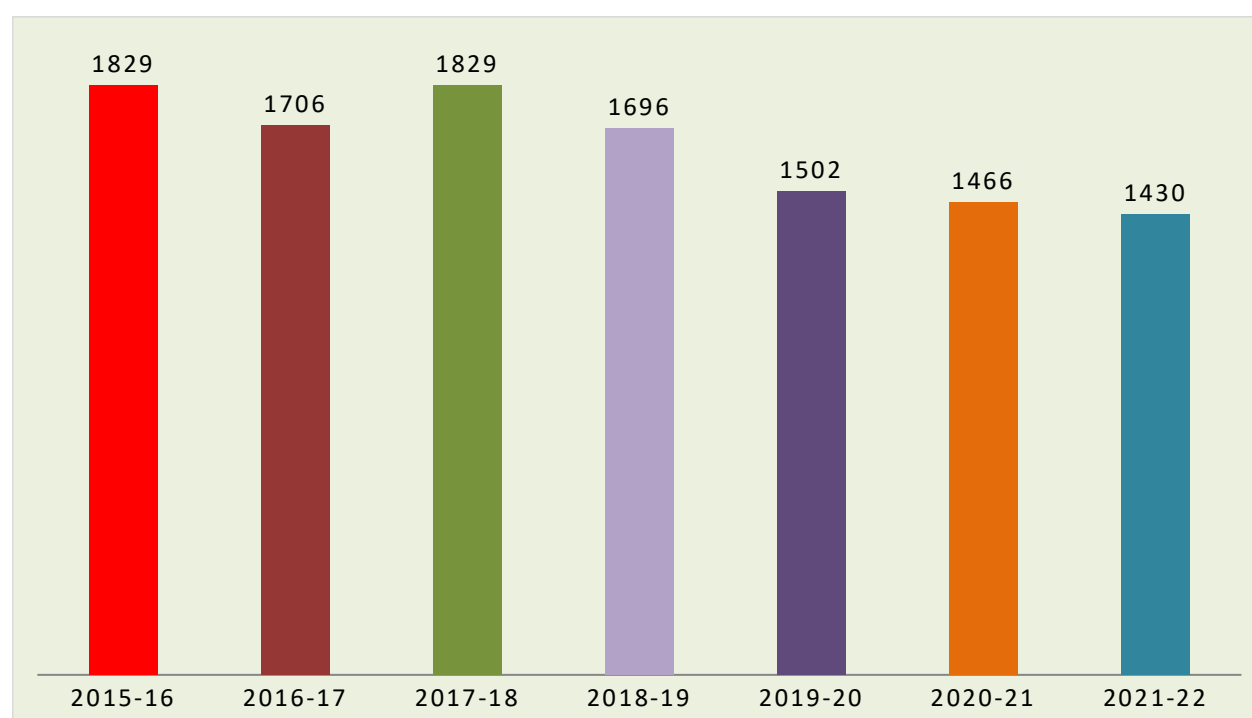


Chart 3.5.3.1 District Wise Infant Mortality Rate (IMR) 2021-22

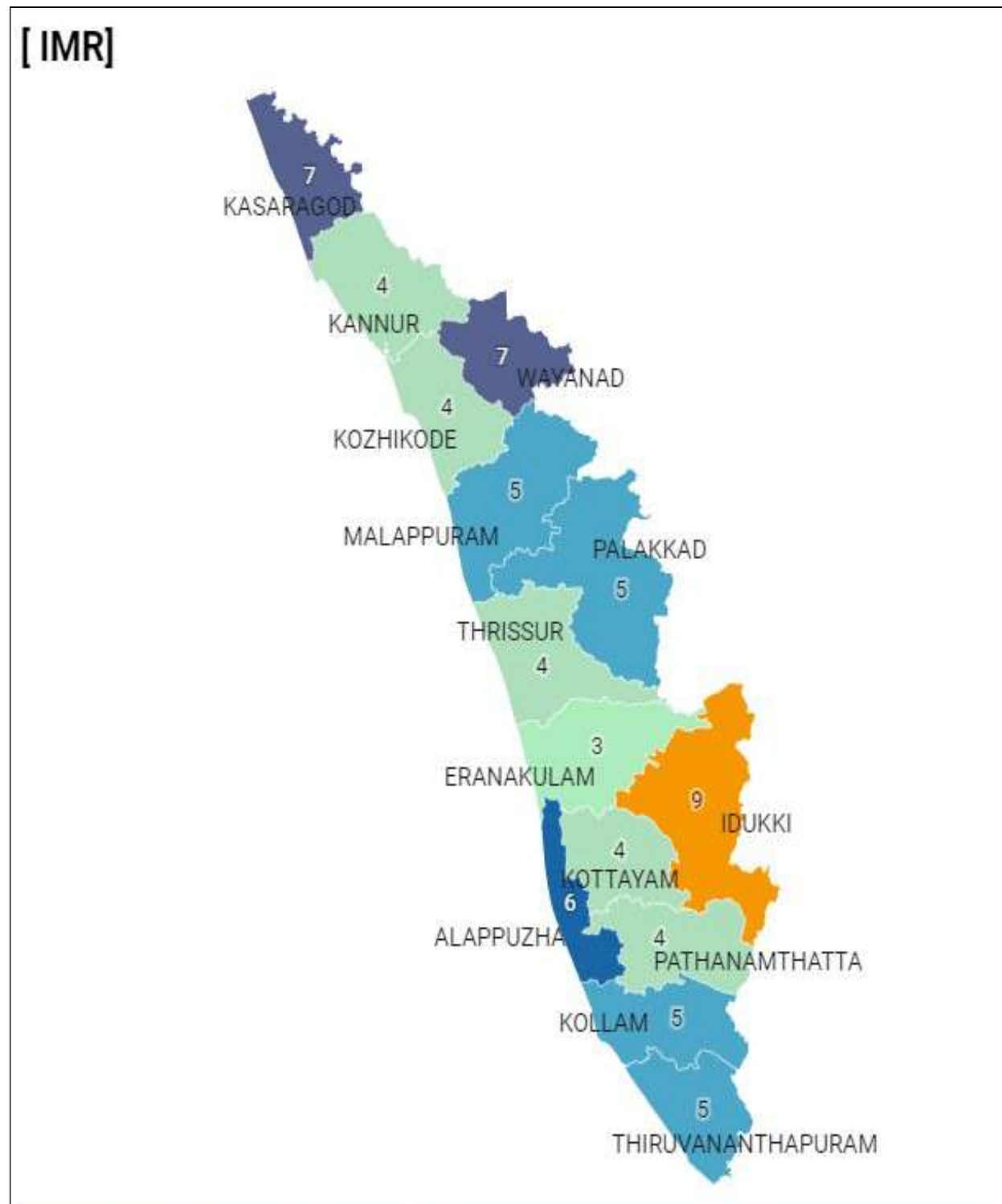


Table 3.5.3.1 istrict Wise Infant Mortality Rate ( IMR) 2021-22

Sl.No	DISTRICT	LIVE BIRTH	INFANT DEATH	IMR
1	TVM	36934	200	5
2	KLM	24745	132	5
3	PTA	12337	51	4
4	ALP	15811	92	6
5	KTM	20678	80	4
6	IDK	10431	96	9
7	EKM	36893	129	3
8	TSR	39490	162	4
9	PKD	32869	154	5
10	MLP	87843	421	5
11	KKD	43538	195	4
12	WND	13024	95	7
13	KNR	36768	130	4
14	KSD	19313	129	7
15	KERALA	<b>430674</b>	<b>2066</b>	<b>5</b>

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

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

Table 3.5.3.3 District wise and Year wise Infant Deaths in Kerala

SL. NO	DISTRICT	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22
1	TVM	228	235	281	225	242	184	200
2	KLM	197	167	192	189	172	138	132
3	PTA	69	46	72	63	59	41	51
4	ALP	130	118	100	101	122	88	92
5	KTM	105	113	101	96	89	59	80
6	IDK	103	86	106	100	81	99	96
7	EKM	116	122	118	133	139	149	129
8	TSR	201	194	176	203	164	166	162
9	PKD	262	204	213	236	203	191	154
10	MLP	548	546	560	541	470	438	421
11	KKD	261	220	101	274	215	139	195
12	WND	137	110	126	110	100	91	95
13	KNR	187	181	211	183	195	175	130
14	KSD	161	193	186	149	150	127	129
15	KERALA	2705	2535	2543	2603	2401	2085	2066

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

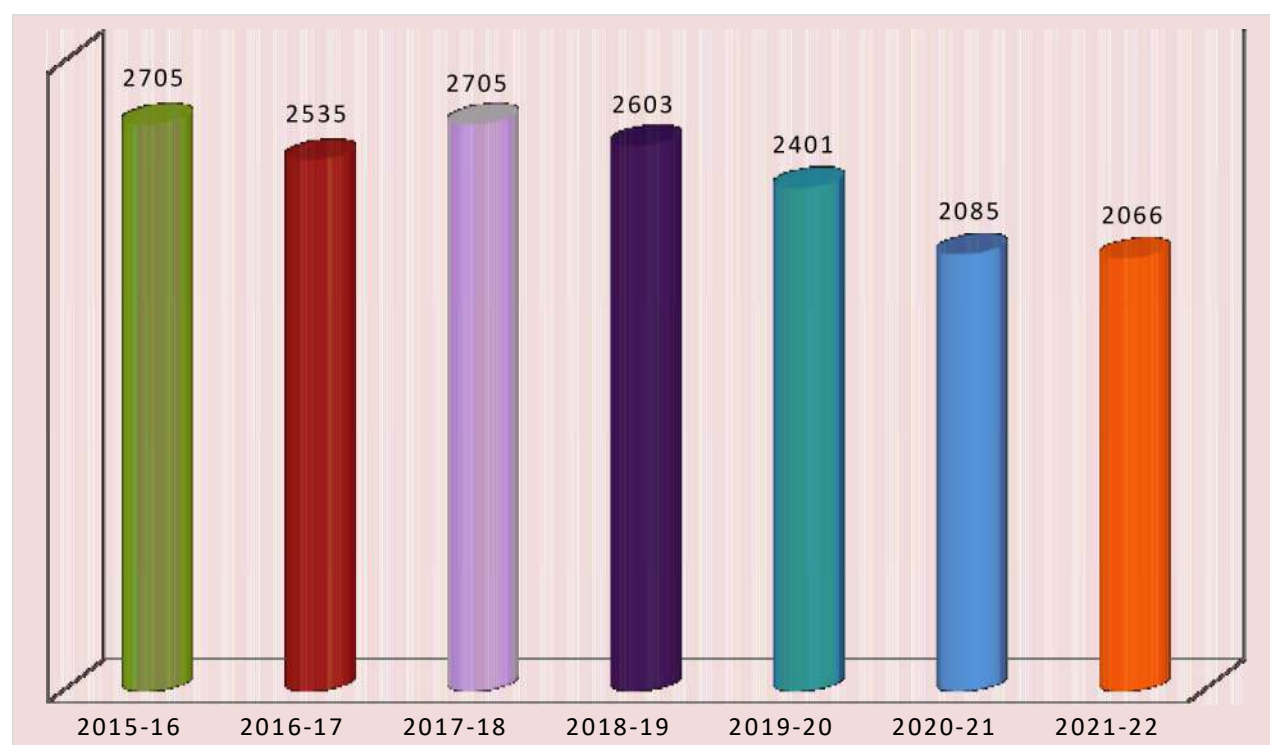
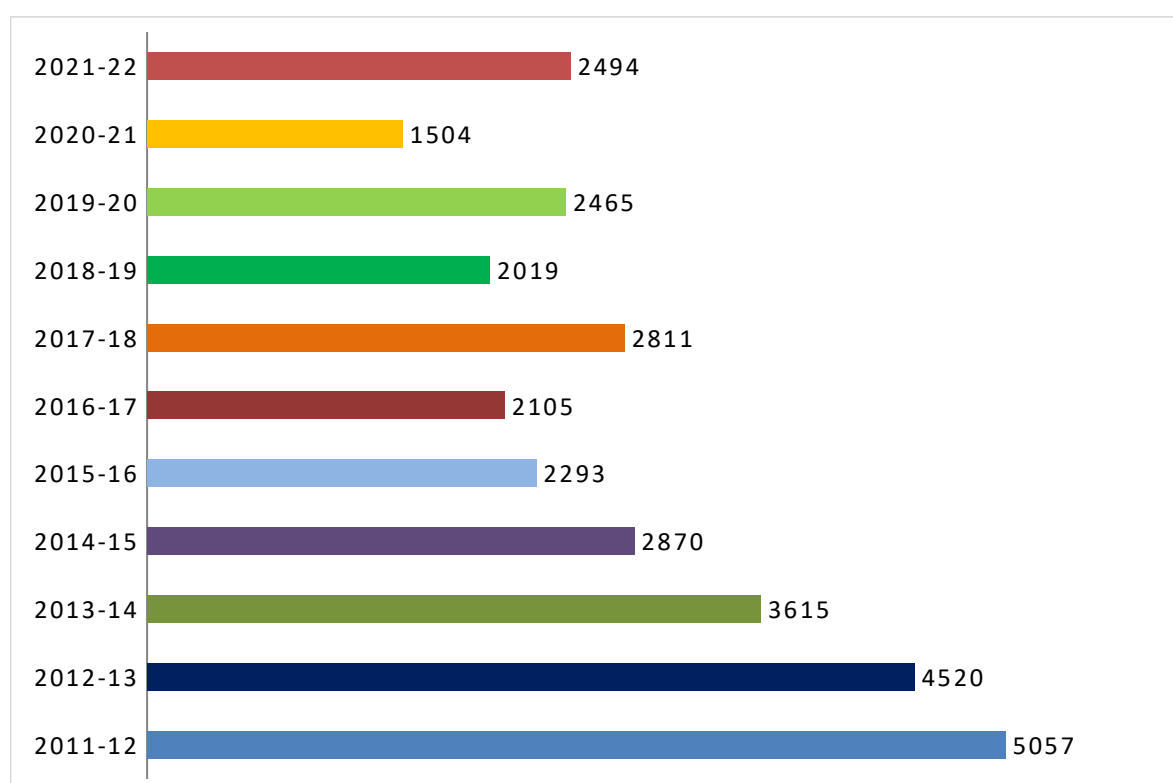


Table 3.6.1 Year wise Number of Medical Termination of Pregnancy (MTP) in Kerala

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

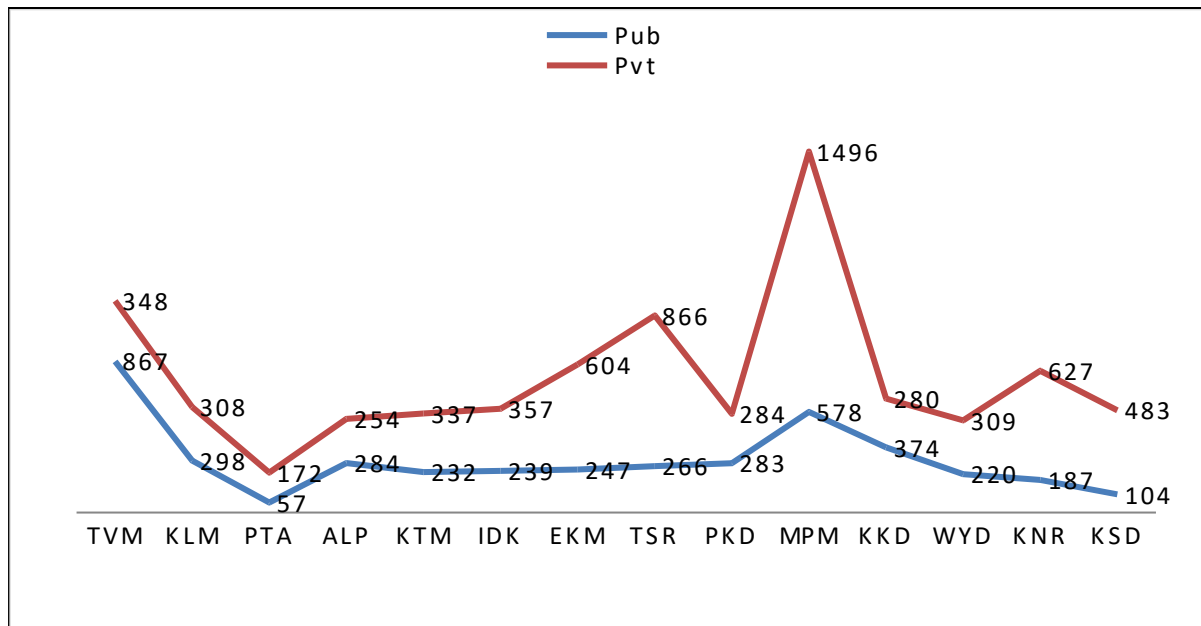
Source : HMIS Portal

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	867	348	1215
2	KLM	298	308	606
3	PTA	57	172	229
4	ALP	284	254	538
5	KTM	232	337	569
6	IDK	239	357	596
7	EKM	247	604	851
8	TSR	266	866	1132
9	PKD	283	284	567
10	MLP	578	1496	2074
11	KKD	374	280	654
12	WND	220	309	529
13	KNR	187	627	814
14	KSD	104	483	587
15	<b>KERALA</b>	4236	6725	10961





### 3.7 SCHOOL OF NURSING

**Table 3.7.1 District wise details of School of Nursing (GNM) 2021 & 2022**

Slno.	District	Govt.		No. of seats		Private		No. of seats	
		2021	2022	2021	2022	2021	2022	2021	2022
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	40	40
4	ALP	1	1	23	23	8	8	245	245
5	KTM	2	2	40	50	9	9	255	255
6	IDK	1	1	20	20	7	7	190	190
7	EKM	1	1	30	32	15	15	530	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	80	9	9	320	320
12	WND	1	1	20	20	3	3	90	90
13	KNR	1	1	30	80	8	9	260	260
14	KSD	1	1	20	20	3	3	75	75
	Total	18	18	465	527	113	114	3445	3445
District wise details of ANM training centres 2021 & 2022									
Slno.	District	Govt.		No. of seats		Private		No. of seats	
		2021	2022	2021	2022	2021	2022	2021	2022
1	TVM	1	1	30	30	1	1	35	35
2	KLM	0	0	0	0	2	2	45	45
3	ALP	0	0	0	0	2	2	70	70
4	KTM	1	1	25	25	1	1	20	20
5	PKD	1	1	50	50	0	0	0	0
6	KSD	1	1	25	25	1	1	50	50
	Total	4	4	130	130	7	7	220	220

**Table 3.7.2 District wise details of College of Nursing 2022**

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	22	13	730	80	110
2	KLM	0	0	0	0	11	615	50	82
3	PTA	0	0	0	0	11	535	45	56
4	ALP	1	66	0	22	4	210	50	30
5	KTM	1	66	0	33	10	480	45	18
6	IDK	0	0	0	0	2	110	30	16
7	EKM	1	66	49	0	16	910	140	80
8	TSR	1	66	0	22	8	420	60	68
9	PKD	0	0	0	0	4	200	0	0
10	MLP	0	0	0	0	6	350	60	56
11	KKD	1	66	0	33	9	490	30	20
12	WND	0	0	0	0	2	100	0	0
13	KNR	1	66	0	11	9	460	0	37
14	KSD	0	0	0	0	2	90	0	0
	<b>Total</b>	<b>7</b>	<b>478</b>	<b>82</b>	<b>143</b>	<b>107</b>	<b>5700</b>	<b>590</b>	<b>573</b>
	<b>Nursing college under MG university</b>					<b>Nursing college under SIMET</b>			
1	TVM	0	0	0	0	1	60	0	0
2	PTA	1	50	0	0	0	0	0	0
3	KTM	3	150	0	0	0	0	0	0
4	IDK	1	60	0	0	0	0	0	0
5	EKM	1	40	0	0	1	60	30	0
6	PKD	0	0	0	0	1	60	30	0
7	KSD	0	0	0	0	1	60	40	0
	<b>Total</b>	<b>6</b>	<b>300</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>240</b>	<b>100</b>	<b>0</b>

# 4. POPULATION



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

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

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

State/ District	SEX RATIO (Number of Females per 1000 Males)											
	1901	1911	1921	1931	1941	1951	1961	1971	1981	1991	2001	2011
Kerala	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 2022)											
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
<b>Kerala</b>	33406061	33569592	33734454	33900664	34068228	34237161	34407479	34579194	34752316	34926862	35102842	35280273
TVM	3301427	3308210	3315007	3321818	3328643	3335482	3342335	3349203	3356084	3362979	3369889	3376813
KLM	2635375	2640445	2645525	2650614	2655713	2660822	2665941	2671070	2676209	2681357	2686516	2691684
PTA	1197412	1193812	1190223	1186644	1183076	1179519	1175973	1172437	1168912	1165398	1161894	1158400
ALP	2127789	2129661	2131534	2133410	2135287	2137165	2139045	2140927	2142811	2144696	2146581	2148471
KTM	1974551	1976654	1978759	1980866	1982976	1985087	1987201	1989317	1991436	1993557	1995680	1997805
IDK	1108974	1106969	1104968	1102971	1100977	1098987	1097000	1095017	1093038	1091062	1089090	1087121
EKM	3282388	3300590	3318893	3337298	3355804	3374413	3393126	3411942	3430862	3449888	3469019	3488256
TSR	3121200	3136290	3151454	3166691	3182001	3197385	3212844	3228378	3243986	3259670	3275430	3291266
PKD	2809934	2829941	2850090	2870383	2890820	2911403	2932132	2953009	2974035	2995210	3016536	3038014
MLP	4112920	4165133	4218008	4271555	4325782	4380697	4436309	4492627	4549660	4607417	4665907	4725140
KKD	3086293	3107812	3129481	3151301	3173273	3195398	3217678	3240113	3262704	3285453	3308361	3331428
WYD	817420	821194	824986	828795	832622	836466	840328	844208	848106	852022	855956	859908
KNR	2523003	2534701	2546452	2558259	2570120	2582036	2594007	2606034	2618116	2630255	2642449	2654701
KSD	1307375	1318180	1329074	1340059	1351134	1362301	1373560	1384912	1396357	1407898	1419534	1431266

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

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

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

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

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

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





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

District	1991			2001			2011		
	Population	Sex Ratio	Density	Population	Sex Ratio	Density	Population	Sex Ratio	Density
TVM	2946650	1036	1344	3234356	1060	1476	3301427	1087	1508
KLM	2407566	1035	967	2585208	1069	1038	2635375	1113	1061
PTA	1188332	1062	451	1234016	1094	468	1197412	1132	452
ALP	2001217	1051	1415	2109160	1079	1492	2127789	1100	1504
KTM	1828271	1001	828	1953646	1025	885	1974551	1039	895
IDK	1078066	975	242	1129221	993	259	1108974	1006	255
EKM	2817236	1000	926	3105798	1019	1012	3282388	1027	1072
TSR	2737311	1085	903	2974232	1092	981	3121200	1108	1031
PKD	2382235	1061	532	2617482	1066	584	2809934	1067	627
MLP	3096330	1053	872	3625471	1066	1021	4112920	1098	1157
KKD	2619941	1027	1118	2879131	1057	1228	3086293	1098	1316
WYD	672128	966	315	780619	995	366	817420	1035	384
KNR	2251727	1049	759	2408956	1090	812	2523003	1136	852
KSD	1071508	1026	538	1204078	1047	604	1307375	1080	657
Total	<b>29098518</b>	<b>1036</b>	<b>749</b>	<b>31841374</b>	<b>1058</b>	<b>820</b>	<b>33406061</b>	<b>1084</b>	<b>860</b>

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

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

# **Appendix A**

## *LIST OF INSTRUCTIONS*

## A1-District TB centres

Sl.No	District	TB Unit/ 5 lakh Population	Phone No.
1	District TB Centre, Thiruvananthapuram 0471-2464470	Thiruvananthapuram.DTC	0471-2464470
2		Nemom THQH	0471-2390276
3		Peroorkada, DH	0471-2432071
4		Puthenthope CHC	0471-2750023
5		Chirayinkeezhu THQH	0470-2646565
6		Neyyattinkara GH	0471-2221935
7		Nedumangadu DH	0472-2802262
8	District TB Centre, Kollam 0474 - 2748985	Karunagapally, Chest disease	0476-2620257
9		Kottarakkara THQH	0474-2452610
10		Punalur THQH	0475-2228702
11		Nedungolam TH	0474-2512324
12		Kollam DTC	0474- 2748985
13	District TB Centre, Pathanamthitta 0468 - 2310890	Adoor General Hospital	04734-223236
14		Thiruvalla THQH	04692-602494
15		Ranni THQH	04735-227274
16		Kozhenchery DTC	0468 -2310890
17	District TB Centre, Alappuzha 0477 - 2252861	Cherthala THQH	0478-2812693
18		Mavelikkara DH	0479-2303394
19		Karuvatta TB Clinic	0479-2491933
20		Alappuzha DTC	0477-2252861
21	District TB Centre, Kottayam 0481 - 2303965	Vaikom THQH	04829-221261
22		Kanhirapally GH	04828-202292
23		Kottayam DTC	0481-2303965
24		Changanassery GH	0481-2402329
25		Pala, Gen. Hospital	0482-2215154
26		Kuravilangadu THQH	0482-2231616
27		Thodupuzha, DH	04862-222630
28	District TB Centre, Idukki, 0486 - 2233157	Vandenmedu CHC	04868-277302
29		Adimaly THQH	04864-222670
30		Painavu DH	04862-232474
31		Kochi DTC	0484-2977153
32	District TB Centre, Ernakulam 0484-2977153	Eranakulam GH	0484-2216444
33		Kothamangalam THQH	0485-2822603
34		Perumbavoor THQH	0484-2523138
35		Moovattupuzha GH	0485-2832360
36		Aluva DH	0484-2629242
37		North Paravur THQH	0484-2442365
38		Angamali TH	0484-2455950
39		Thrissur DTC	0487 -2428886
40	District TB Centre, Thrissur 0487 - 2428886	Vadakkanchery DH	04884-232221
41		Chavakkad TH	0487-2501110
42		Kodungallur THQH	0480-2802394
43		Chalakkudy GH	0480-2701823
44		Irinhalakuda THQH	0480-2825213

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

## A2- Institutions with Palliative Care Programmes

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

	4	General Hospital Kanjirappally
	5	THQH Pampady
	6	THQH Kuravilangad
	7	THQH Vaikom
<b>Ernakulam</b>	1	GH Ernakulam
	2	GH Muvattupuzha
	3	DH Aluva
	4	THQH Kochi
	5	THQH Kothamangalam
	6	THQH Paravur
	7	THQH Perumbavoor
	8	THQH thrippunithura
	9	TH angamaly
	10	TH Karuvelippady
	11	TH Njarakal
	12	TH Piravom
	13	TH Palluruthy
	14	Th Puthenvelikkara
	15	MCH Kalamassery
	16	Cochin Cancer Research Centre
<b>Trissur</b>	1	GH Thrissur
	2	GH Irinjalakkuda
	3	DH Wadakkanchery
	4	THQH Chavakkad
	5	THQH Chalakudy
	6	THQH Kodungallur
	7	TH Kunnankulam
	8	TH Pudukkad
	9	TH Chelakkara
<b>Palakkad</b>	1	District Hospital, Palakkad
	2	Taluk Hospital, Mannarkkad
	3	Taluk Hospital, Pattambi
	4	Taluk Hospital, Ottapalam
	5	Taluk Hospital, Chittur
<b>Palakkad</b>	6	Taluk Hospital, Alathur
	7	CHC Kongad
	8	CHC Parli
	9	CHC 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 Kozhijampara
	25	CHC Cherpulassery
	26	GTSH Kottathara
<b>Malappuram</b>	1	Govt. Medical College Hospital, Mancheri
	2	District Hospital, Nilambur
	3	District Hospital, Perinthalmanna
	4	District Hospital, Thirur
	5	THQH Malappuram
	6	THQH Thirurangadi
	7	THQH Ponnani
<b>Wayanad</b>	1	DH Manathavady
	2	GH Kalpetta
	3	THQH Sulthan Bathery
	4	THQH Vythiry
	5	CHC Porunnannore
	6	CHC Periya
	7	CHC Pulpally
	8	CHC Thariyode
	9	CHC Meenangady
	10	CHC Panamaram
	11	Tribal Hospital Nalloornad
	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
<b>Kozhikkode</b>	1	General Hospital, Kozhikkode
	2	District Hospital, Vadakara



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

### A3- CATH LABS UNDER DHS

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

**A4-DIALYSIS UNITS UNDER HEALTH SERVICE**

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

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

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

#### A5-SPECIAL NEW BOREN CARE UNITS

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

17		MCH	Kozhikode	
18	KNR	DH	Kannur	<a href="mailto:dhkannur@yahoo.co.in">dhkannur@yahoo.co.in</a>
19	KNR	GH	Mangattuparambu	
20	WYD	DH	Mananhavadi	

#### A6-NEW BORN STABILISATION UNITS

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

35		6	THQH	Thrappunithura	0484-2777315
36	THRISSUR	1	DH	Vadakkancherry	04884-232221
37		2	THQH	Kodungallur	0480-2802394
38		3	THQH	Chalakudy	0480-2701823
39		4	THQH	Chavakkad	0487-2501110
40		5	TH	Kunnamkulam	04885-222233
41	PALAKKAD	1	THQH	Ottapalam	0466-2244480
42		2	THQH	Alathur	04922-222322
43		3	THQH	Chittur	04923-222385
44		4	THQH	Mannarkkad	04924-222380
45	MALAPPURAM	1	DH	Nilambur	04931-220351
46		2	DH	Perinthalmanna	04933-227279
47		3	DH	Tirur	0494-2423834
48		4	THQH	Tirurangadi	0494-2460372
49		5	THQH	Ponnani	0494-2663089
50		6	THQH	Malappuram	0483-2734866
51		7	TH	Wandoor	04931-247378
52		8	CHC	Edappal	0494-2685189
53	KOZHIKKODE	1	THQH	Koilyandy	0496-2620241
54		2	TH	Perambra	0496-2610575
55		3	TH	Kuttiyadi	0496-2597173
56		4	TH	Thamarasserry	0495-2222098
57	WAYANAD	1	DH	Mananthavadi	04935-240265
58		2	THQH	Sulthan Bathery	04936-221136
59		3	CHC	Meenangady	04936-247290
60		4	GH	Kalpetta	04936-202037
61	KANNUR	1	GH	Thalassery	0490-2322150
62		2	THQH	Thaliparamba	0460-2203298
63		3	TH	Payyanur	0498-5205716
64		4	TH	Koothuparamba	0490-2364150
65	KASARGODE	1	GH	Kasaragod	0494-230080
66		2	DH	Kanjanad	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	Sacred Heart Hospital	Green Gardens, Mathilakom, Cherthala, Alappuzha, Kerala 688524	Alappuzha	Private	BB
3	V S M Hospital	Thattarambalam, Mavelikkara, Alappuzha, Kerala 690103	Alappuzha	Private	BB
4	Sanjivani Multispeciality Hospital	Alacode, Kollakadavu P O, Cheriyanaad , Chengannur, Alappuzha, Kerala 690509	Alappuzha	Private	BCSU
5	Medical College Hospital	Vandanam, Alappuzha, Kerala 688005	Alappuzha	Government	BCSU
6	Women & Children Hospital	Beach Bazar.P.O, Alappuzha, Kerala 688012	Alappuzha	Government	BB
7	District Hospital, Mavelikkara	Mavelikara, Alappuzha - 690101	Alappuzha	Government	BCSU
8	Dr K M Cherian Institute of Medical Sciences	Post Box No. 20, Kallissery PO, Chengannur, Alappuzha Kerala 689124	Alappuzha	Private	BB
9	Carmel Hospital	Ashokapuram, Aluva, Ernakulam, Kerala 683101	Ernakulam	Private	BB
10	Little Flower Hospital	M.C.Road, Angamaly, Ernakulam, Kerala 683572	Ernakulam	Private	BCSU
11	Aster Medicity	Kuttysahib Road, South Chittoor P.O., Cheranelloor, Ernakulam Kerala 682027	Ernakulam	Private	BCSU
12	Amritha Institute of Medical Sciences & Research Centre	Ponekkara P. O, Ernakulam, Kerala 682041	Ernakulam	Private	BCSU
13	INHS Sanjivani	Naval Base Parade Ground, Willingdon Island, Ernakulam, Kerala 682003	Ernakulam	Defence	BB
14	Lisie Hospital	Kathrikadavu, Kaloore, Ernakulam, Kerala 682017	Ernakulam	Private	BCSU
15	Malankara Orthodox Syrian Church Medical College Hospital	Kolencherry, Ernakulam, Kerala 680311	Ernakulam	Private	BCSU
16	Medical Trust Hospital	M.G. Road, Ernakulam, Kerala 682016	Ernakulam	Private	BCSU
17	Samaritan Hospital	Pazhanganad, Kizhakambalam, Ernakulam, Kerala 680562	Ernakulam	Private	BB
18	Sunrise Institute of Medical Sciences (P)	Seaport - Airport Road, Kakkanad, Ernakulam, Kerala	Ernakulam	Private	BCSU

	Ltd.	682 030			
19	Devamatha Hospital	Koothattukulam, Ernakulam, Kerala 686662	Ernakulam	Private	BB
20	Mar Baselius Medical Mission Hospital	NH49, Near Post office, Kothamangalam P.O., Ernakulam Kerala 686691	Ernakulam	Private	BB
21	St Joseph Hospital	Dharmagiri, Kothamangalam, Ernakulam, Kerala 686691	Ernakulam	Private	BB
22	Lakeshore Hospital & Research Centre Ltd	NH-47 Bypass, Maradu, Nettoor P.O, Ernakulam Kerala 682040	Ernakulam	Private	BCSU
23	Nirmala Medical Center	Kizhakkekara, Moovattupuzha, Ernakulam, Kerala 686661	Ernakulam	Private	BB
24	Sree Narayana Institute of Medical Sciences	Chalacka, North Kuthyathode, Ernakulam, Kerala 683594	Ernakulam	Private	BCSU
25	Sanjoe Hospital	A.M.Road, Perumbavoor, Ernakulam, Kerala 680541	Ernakulam	Private	BB
26	Rajagiri Hospital	Changamveli, Aluva, Ernakulam Kerala 683112	Ernakulam	Private	BCSU
27	Govt. Medical College Hospital	HMT Colony P.O., Kalamassery, Ernakulam, Kerala 683503	Ernakulam	Government	BCSU
28	General Hospital	Ernakulam, Kerala 682011	Ernakulam	Government	BCSU
29	IMA Voluntary Donor Blood Bank	T.D Road, Ernakulam, Kerala 682011	Ernakulam	Private	BCSU
30	Lourds Hospital	Pachalam, Ernakulam, Kerala 682012	Ernakulam	Private	BCSU
31	District Hospital	Aluva, Ernakulam, Kerala 683101	Ernakulam	Government	BCSU
32	Polakulath Narayanan Renai Medicity	Palarivattom P.O, Ernakulam, Kerala 682025	Ernakulam	Private	BCSU
33	MAGJ Hospital	Mookkannoor P.O., Angamaly, Ernakulam, Kerala 683 577	Ernakulam	Private	BB
34	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 John's Hospital	Kattappana South P.O, Idukki Kerala 685515	Idukki	Private	BCSU
37	M.M.T.Hospital, (Mundakkayam Medical Trust Hospital)	Mundakayam East P.O, Idukki, Kerala 686513	Idukki	Private	BB
38	Tata Tea Limited, General Hospital	Nullatanni, Munnar, Idukki, Kerala 685612	Idukki	Private	BB
39	Alphonsa Hospital	SH 19 Bypass, Kalladathur, 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,	<b>Ezhalloor P O, Kumaramangalam, Thodupuzha, Idukki, Kerala 685605</b>	Idukki	Private	BCSU
42	Govt. Medical College Hospital (District Hospital)	<b>Painavu, Idukki, Kerala 685603</b>	Idukki	Government	BCSU
43	IMA Blood Bank Society	<b>Thodupuzha, Idukki, Kerala 685584</b>	Idukki	Private	BCSU
44	Chazhikattu Hospital (P) Ltd	<b>Thodupuzha, Idukki, Kerala 685584</b>	Idukki	Private	BCSU
45	Kannur Medical College and Hospital (Prestige edu Trust)	<b>Chovva Mathanur Road, Anjarakandy P.O., Kannur, Kerala 670612</b>	Kannur	Private	BCSU
46	St.Martin De Porres Hospital	<b>Cherukunnu PO, Kannur, Kerala 670301</b>	Kannur	Private	BB
47	Cannanore Co-Op Hospital Society	<b>Kasaragod - Kannur Road, Talap, Talap, Kannur, Kerala 670002</b>	Kannur	Co-operative	BCSU
48	Sara Memorial Medical Laboratory and Blood Bank	<b>Brigade Centre , Fort Road, Kannur Kerala 670001</b>	Kannur	Private	BCSU
49	The Payyannur Co-operative Hospital Society Ltd.	<b>South Bazar, Payyanur, Kannur, Kerala 670503</b>	Kannur	Co-operative	BB
50	Tellichery Co-Operative Hospital	<b>Thalaseery, Kannur, Kerala 670101</b>	Kannur	Co-operative	BB
51	Josgiri Hospital	<b>Thalaseery, Kannur, Kerala 670101</b>	Kannur	Private	BB
52	Govt Medical College Hospital, Pariyaram, Kannur (Kerala State Co-operative Hospital Complex & Centre for advanced Medical Services Ltd.) (Academy of Medical Science)	<b>Pariyaram, Kannur, Kerala 670503</b>	Kannur	Government	BCSU
53	District Hospital	<b>Kannur, Kerala 670017</b>	Kannur	Government	BCSU
54	General Hospital, Thalassery	<b>Thalassery, Kannur, Kerala 670101</b>	Kannur	Government	BCSU
55	Malabar Cancer Centre	<b>Moozhikkara P.O., Thalassery, Kannur, Kerala 670003</b>	Kannur	Government	BCSU
56	Aster MIMS,Chala (East),Kannur	<b>Blood Bank,Aster MIMS,Chala (East),Kannur (Dist),670621</b>	Kannur	Private	BCSU

57	Co operative hospital society ltd, taliparamba,kannur	<b>Co operative hospital society ltd; no.c-1468 ,taliparamba,second floor,taliparamba,kannur district,kerala,670141</b>	Kannur	Private	BB
58	Genesis Institute of Medical Science Pvt Ltd, (Gimcare Hospital)	<b>Chala Bypass, Thottada PO, Kannur, Kerala 670007</b>	Kannur	Private	BCSU
59	District Hospital, Kanhangad	<b>Kanhangad, Kasaragod, Kerala 671315</b>	Kasaragod	Government	BCSU
60	General Hospital	<b>Kasaragod, Kerala 671121</b>	Kasaragod	Government	BCSU
61	S.N.Trust Medical Mission Sankars Hospital	<b>Q.S. Road, Kollam, Kerala 691001</b>	Kollam	Private	BB
62	Upasana Hospital	<b>Q.S. Road, N.H. 208, Kollam, Kerala 691001</b>	Kollam	Private	BB
63	Padmavathy Medical Foundation	<b>Sasthamkotta Road, Manakkara, Kollam, Kerala 690521</b>	Kollam	Private	BCSU
64	Azeezia Medical College	<b>Diamond Hill, Meeyanoor P.O., Kollam, Kerala 691537</b>	Kollam	Private	BCSU
65	Travancore Medical College Hospital, Medicity	<b>N.H. Bypass road, Umayanalloor, Kollam, Kerala 691589</b>	Kollam	Private	BCSU
66	Medical College Hospital	<b>Parippally, Kollam 691574</b>	Kollam	Government	BCSU
67	Bishop Benziger Hospital	<b>Beach Road, Kollam, Kerala 691001</b>	Kollam	Private	BB
68	District Hospital	<b>Chinnakada, Kollam, Kerala 691001</b>	Kollam	Government	BCSU
69	Holy Cross Hospital	<b>Kottiyam, Kollam, Kerala 691571</b>	Kollam	Private	BCSU
70	IMA Blood Bank	<b>Ist Floor, IMA Centre, Ashramam, Kollam, Kerala 691002</b>	Kollam	Private	BCSU
71	St. Joseph Hospital	<b>Anchal.P.O, Kollam, Kerala 691306</b>	Kollam	Private	BB
72	Taluk Head Quarters Hospital	<b>Kollam - Chenkotta Road, Kottarakara, Kollam, Kerala 691506</b>	Kollam	Government	BB
73	Taluk Head Quarters Hospital	<b>Panamkuttymala, Punalur, Kollam, Kerala 691305</b>	Kollam	Government	BCSU
74	Meditrina Hospital	<b>Kollam - Ayoor Road, Ayathil, Kollam, Kerala 691021</b>	Kollam	Private	BCSU

75	N S Memorial Institute of Medical Sciences ( A Unit of Kolam Dist. Co-operative Hospital Society, Ltd)	<b>NH ByPass Road, Palathara, Thattamala PO, Kollam 691020</b>	Kollam	Private	BCSU
76	Valiyath Institute of Medical Sciences	<b>Market Road, Karunagappally, Kollam Kerala 690518</b>	Kollam	Private	BCSU
77	Mary Queens Mission Hospital	<b>Palampra P.O., Kanjirapally, Kottayam, Kerala 686 518</b>	Kottayam	Private	BB
78	Little Lourde Mission Hospital	<b>Kidagoor, Kottayam, Kerala 686752</b>	Kottayam	Private	BB
79	St Thomas Hospital	<b>Kurisummoodu P.O., Chettipuzha, Changanacherry, Kottayam, Kerala 686104</b>	Kottayam	Private	BB
80	MUM Hospital	<b>Monippally P.O., Kottayam, Kerala 686636</b>	Kottayam	Private	BB
81	Holy Ghost Mission Hospital	<b>Muttuchira, Kottayam, Kerala 686613</b>	Kottayam	Private	BB
82	S.H. Medical Centre	<b>Nagampadam, Kottayam, Kerala 686001</b>	Kottayam	Private	BCSU
83	Carmel Medical Centre	<b>Kizhathadiyoor PO, Pala, Kottayam, Kerala 686574</b>	Kottayam	Private	BB
84	Marian Medical Centre	<b>Arunapuram P.O., Pala, Kottayam, Kerala 686574</b>	Kottayam	Private	BCSU
85	Velankanni Matha Hospital Pvt. Ltd.	<b>MC Road, Thellakom, Kottayam, Kerala 686630</b>	Kottayam	Private	BCSU
86	Caritas Hospital	M.C. Road, Thellakom, Kottayam, Kerala 686630	Kottayam	Private	BCSU
87	Indo American Hospital	Chemmanakary, Akkarappadam P.O, Vaikom, Kottayam, Kerala 686143	Kottayam	Private	BB
88	Bharath Charitable Hospital Society	Azad Lane, Kottayam, Kerala 686001	Kottayam	Private	BCSU
89	District Hospital	Kottayam-Kumily Rd, Kottayam, Kerala 686001	Kottayam	Government	BCSU
90	I.H.M. HOSPITAL	Bharananganam, Pala, Kottayam, Kerala 686578	Kottayam	Private	BB
91	Medical College Hospital	Gandhi Nagar, Kottayam, Kerala 686008	Kottayam	Government	BCSU

92	Mar Sleeva Medicity Palai	Cherpunkal, Kezhuvankulam PO ,Kottayam 686584	Kottayam	Private	BCSU
93	Malabar Medical College Hospital	Modakkallur, Atholi, Kozhikode, Kerala 673321	Kozhikode	Private	BCSU
94	Metromed International Cardiac Centre	Thondayad Bypass Road, Palazhi, Kozhikode, Kerala 673014	Kozhikode	Private	BB
95	Kozhikode District Co - Operative Hospital	Mini Bypass Road, Eranihipaalam, Kozhikode, Kerala 673006	Kozhikode	Co-operative	BCSU
96	Baby Memorial Hospital	Indira Gandhi Road, Arayidathupalam, Kozhikode, Kerala 673004	Kozhikode	Private	BCSU
97	KMCT Hospital	Manassery P.O, Mukkam, Kozhikode, Kerala 673602	Kozhikode	Private	BCSU
98	National Hospital	Mavoor Road, Near KSRTC Bus Stand, Kozhikode, Kerala 673001	Kozhikode	Private	BCSU
99	Malabar Institute Of Medical Sciences	Mini By-pass Road, Govindapuram, Kozhikode, Kerala 673016	Kozhikode	Private	BCSU
100	IQRAA Hospital	Malaparamba, Kozhikode, Kerala 673009	Kozhikode	Private	BCSU
101	Nirmala Hospital	Wayanad Road, Marikunnu, Vellimadukunnu, Kozhikode, Kerala 673012	Kozhikode	Private	BB
102	St. Joseph's Hospital	Agastianmoozhi, Mukkam, Kozhikkode, Kerala 673602	Kozhikode	Private	BB
103	PVS Hospital	Railway Station Road, Kozhikode, Kerala 673002	Kozhikode	Private	BCSU
104	Santhi Hospital	Omaserry, Kozhikode, Kerala 673582	Kozhikode	Private	BB
105	Badagara Sahakarana Asupathri Ltd.	Narayana Nagar, Vadakara, Kozhikode Kerala 673101	Kozhikode	Co-operative	BCSU
106	General Hospital (Beach)	Beach P.O., Kozhikode, Kerala 673032	Kozhikode	Government	BCSU
107	Govt. W & C Hospital	Kottapparamba, Kozhikode, Kerala 673001	Kozhikode	Government	BCSU

<b>108</b>	Medical College Hospital	Kozhikode, Kerala 673008	Kozhikode	Government	BCSU
<b>109</b>	District Hospital	Vadakara, Kozhikode Kerala 673101	Kozhikode	Government	BB
<b>110</b>	Meitra Hospital	Mini Bypass Road, Edakkad, Kozhikode, Kerala 673005	Kozhikode	Private	BCSU
<b>111</b>	MVR Cancer Centre & Research Institute	Choolur, Vellasser PO, Poolacode, Kozhikode, Kerala 673601	Kozhikode	Private	BCSU
<b>112</b>	Edappal Hospital (P) Ltd	Pattambi Road, Edappal, Malappuram, Kerala 679576	Malappuram	Private	BB
<b>113</b>	Malabar Institute of Medical Sciences	Changuvetty, Kottakkal P.O., Malappuram, Kerala 676503	Malappuram	Private	BCSU
<b>114</b>	Almas Hospital	Changuvetty, Kottakkal, Malappuram, Kerala 676503	Malappuram	Private	BCSU
<b>115</b>	Korambayil Hospital	East Road, Manjeri College P.O., Manjeri, Malappuram, Kerala 676122	Malappuram	Private	BCSU
<b>116</b>	Al-Shifa Hospital Pvt Ltd.	Ootty Road, Perinthalmanna, Malappuram, Kerala 679322	Malappuram	Private	BCSU
<b>117</b>	MES Medical College Hospital	Malaparamba, Palachode P.O., Perinthalmanna, Malappuram, Kerala 679338	Malappuram	Private	BCSU
<b>118</b>	Medical College Hospital	Vellarangal, Manjeri, Malappuram, Kerala 676121	Malappuram	Government	BCSU
<b>119</b>	Govt Hospital	Shanti Nagar, Perinthalmanna, Malappuram, Kerala 679322	Malappuram	Government	BCSU
<b>120</b>	District Hospital	Civil Station Road, Thrikandiyoor P.O, Tirur, Malappuram, Kerala 676104	Malappuram	Government	BCSU
<b>121</b>	Karuna Medical College Hospital	Vilayodi, Chittur, Palakkad, Kerala 678103	Palakkad	Private	BCSU

122	Valluvanad Hospital	Kanniyampuram Post, Ottapalam, Palakkad, Kerala 679104	Palakkad	Private	BCSU
123	Palakkad Blood Bank	Soorya Enclave, Opposite Palat Hospital, Civil Station Road, Palakkad Kerala 678001	Palakkad	Private	BB
124	The Palakkad District Co-operative Hospital	Rajiv Gandhi Hospital Complex, Kallekkad, Kodunthirapully P.O. Palakkad 678004	Palakkad	Co-operative	BCSU
125	District Hospital	Sultanpet, Palakkad, Kerala 678001	Palakkad	Government	BCSU
126	Ahalia Hospital	Kanal Pirivu, Palakkad, Kerala 678557	Palakkad	Private	BCSU
127	PK Das Institute of Medical Sciences	Vaniamkulam, Ottapalam, Palakkad, Kerala 679522	Palakkad	Private	BCSU
128	Kerala Medical College Hospital	Mangode, Cherpulassery, Palakkad, Kerala 679503	Palakkad	Private	BB
129	Mother Care Hospital	Vattambalam, Kumaramputhur P.O, Mannarkkad, Palakkad, Kerala 678583	Palakkad	Private	BB
130	Taluk Head Quarters Hospital, Mannarkkad	Mannarkkad PO, Palakkad 678582	Palakkad	Government	BCSU
131	Avtis Super Speciality Hospitals Pvt Ltd.	Building XX/882, Pollachi-Thrissur Main Road, Near Japamalarani Church, Nennmara, Palakkad, Kerala 678508	Palakkad	Private	BB
132	Palakkad Institute of Medical Sciences, Walayar, Palakkad	(Run by V N Public Health and Educational Trust), 9/877, Opp. Deer Park, Walayar, Palakkad Kerala 678624	Palakkad	Private	BB
133	Lifeline Super Speciality Hospital	14th Mile, Melood P.O, Adoor, Pathanamthitta, Kerala 691554	Pathanamthitta	Private	BCSU
134	Muthoot Health Care Private Limited	College Road, Kozhencherry, Pathanamthitta, Kerala 689641	Pathanamthitta	Private	BCSU
135	Fellowship Mission Hospital	Vellikara, Kumbanad, Thiruvalla, Pathanamthitta, Kerala 689547	Pathanamthitta	Private	BB

136	Chithra Hospital	Main Central Rd, Kadakkadu, Pandalam, Pathanamthitta, Kerala 689501	Pathanamthitt a	Private	BB
137	Tiruvalla Medical Mission Hospital	Tiruvalla, Pathanamthitta, Kerala 689101	Pathanamthitt a	Private	BCSU
138	Pushpagiri Hospital	Thiruvalla, Pathanamthitta, Kerala 689101	Pathanamthitt a	Private	BCSU
139	Believers Church Medical College Hospital	St.Thomas Nagar, Kuttapuzha P.O., Thiruvalla, Pathanamthitta, Kerala 689103	Pathanamthitt a	Private	BCSU
140	MGM Muthoot Medical Centre	Ring Road, Pathanamthitta, Kerala 689645	Pathanamthitt a	Private	BB
141	Poyanil Hospital	Kozhencherry, Pathanamthitta, Kerala 689641	Pathanamthitt a	Private	BCSU
142	Mount Zion Medical College Hospital	Ezhamkulam, Adoor, Pathanamthitta, Kerala 691556	Pathanamthitt a	Private	BCSU
143	General Hospital	Pathanamthitta, Kerala 689645	Pathanamthitt a	Government	BCSU
144	Taluk Headquarters Hospital	Thiruvalla, Pathanamthitta, Kerala 689101	Pathanamthitt a	Government	BB
145	Holy Cross Hospital	Kayamkulam - Pathanapuram Road, Adoor, Pathanamthitta, Kerala 691523	Pathanamthitt a	Private	BB
146	St. Gregorios Medical Mission Hospital	Parumala, Pathanamthitta, Kerala 689626	Pathanamthitt a	Private	BCSU
147	Christian Mission Hospital	SH 1, Pandalam, Pathanamthitta, Kerala 689501	Pathanamthitt a	Private	BB
148	Amala Institute of Medical Science	Amala Nagar P.O., Thrissur, Kerala 680555	Thrissur	Private	BCSU
149	St James Hospital	Old Highway, Chalakudy, Thrissur, Kerala 680307	Thrissur	Private	BB
150	St Josephs Hospital	Choondal, Thrissur, Kerala 680502	Thrissur	Private	BB
151	Mary Immaculate Mission Hospital	Chanthappadi, Polakkan, Engandiyoor, Thrissur, Kerala 680615	Thrissur	Private	BB
152	Modern Hospital	Kodungallur P.O., Thrissur, Kerala 680664	Thrissur	Private	BB

153	Unity Hospital (P) Ltd	Kanippayyur P.O., Kunnankulam, Thrissur, Kerala 680503	Thrissur	Private	BB
154	Maria Theresa Hospital	Kundai, Kuzhikkattussery, Mala, Thrissur, Kerala 680697	Thrissur	Private	BB
155	Mother Hospital	Pullazhi P.O., Olari, Thrissur, Kerala 680 012	Thrissur	Private	BB
156	Sacred Heart Mission Hospital	Pullur P.O., Irinjalakuda, Thrissur, Kerala 680 683	Thrissur	Private	BB
157	West Fort Hitech Hospital	Guruyoor Road, Punkunnam, Thrissur, Kerala 680002	Thrissur	Private	BB
158	West Fort Hospital	Westfort, Thrissur, Kerala 680 004	Thrissur	Private	BB
159	Jubilee Mission Hospital	Fathima Nagar, Nellikunnu, Thrissur, Kerala 680006	Thrissur	Private	BCSU
160	Malankara Medical Mission Hospital	Adupooty Hills, Kunnankulam, Thrissur, Kerala 680503	Thrissur	Private	BB
161	General Hospital	Thrissur, Kerala 680020	Thrissur	Government	BCSU
162	IMA Blood Bank Complex & Research Centre	Padukkad Road, Mannumkad, Ramavarmapuram P.O., Thrissur, Kerala 680631	Thrissur	Private	BCSU
163	Medical College Hospital	Mulangunnathukavu, Thrissur, Kerala 680596	Thrissur	Government	BCSU
164	Aswini Hospital Limited, Thrissur	Karunakaran Nambiar Rd, aswani junction, Patturaikkal, opposite to Big Bazaar, Thrissur, Kerala 680020	Thrissur	Private	BB
165	Dr.Somervel CSI Mission Hospital	Karakonam P.O. Trivandrum, Kerala 695504	Trivandrum	Private	BCSU
166	NIMS Hospital	Aralumoodu, Neyyattinkara, Trivandrum, Kerala 695123	Trivandrum	Private	BCSU
167	PRS Hospital Private Limited	Killipalam, Trivandrum, Kerala 695002	Trivandrum	Private	BCSU
168	Ananthapuri Hospital and Research Institute	NH Bypass, Chacka, Trivandrum, Kerala 695024	Trivandrum	Private	BCSU
169	Kerala Institute of Medical Sciences	Anayara P.O, Trivandrum, Kerala 695029	Trivandrum	Private	BCSU



170	Sivagiri Sree Narayana Medical Mission Hospital	Puthenchanda P.O, Varkala, Trivandrum, Kerala 695145	Trivandrum	Private	BB
171	Cosmopolitan Hospitals Pvt Ltd	Pattom, Trivandrum, Kerala 695004	Trivandrum	Private	BCSU
172	Sree Uthradam Thirunal Hospital	Pattom, Trivandrum, Kerala 695004	Trivandrum	Private	BCSU
173	Sree Gokulam Medical College and Research Foundation	Aalamthara - Bhoothamadakki Road, Venjaramoodu, Trivandrum, Kerala 695607	Trivandrum	Private	BCSU
174	SUT Academy of Medical Science	Vencode P.O. , Vattappara, Trivandrum, Kerala 695028.	Trivandrum	Private	BCSU
175	General Hospital	Red Cross Rd., Thiruvananthapuram, Kerala 695035	Trivandrum	Government	BCSU
176	Medical College Hospital	Ulloor, Thiruvananthapuram, Kerala 695011	Trivandrum	Government	BCSU
177	Regional Cancer Centre	Medical College Campus, Ulloor, Thiruvananthapuram, Kerala 695011	Trivandrum	Government	BCSU
178	Sree Chitra Thirunal Institute for Science & Technology	Medical College Campus, Ulloor, Thiruvananthapuram, Kerala 695011	Trivandrum	Government	BCSU
179	Taluk Headquarters Hospital	Chirayinkeezhu, Thiruvananthapuram, Kerala 695304	Trivandrum	Government	BB
180	W & C Hospital	CV Raman Pillai Road, Thycaud, Thiruvananthapuram, Kerala 695014	Trivandrum	Government	BCSU
181	District Hospital	Alummoodu, Neyyattinkara, Thiruvananthapuram, Kerala 695121	Trivandrum	Government	BB
182	Sri Ramakrishna Ashrama Charitable Hospital	Sasthamangalam, Thiruvananthapuram, Kerala 695010	Trivandrum	Private	BCSU
183	Neyyar Medicity	Killi, Kattakada, Thiruvananthapuram, Kerala 695572	Trivandrum	Private	BB
184	GG Hospital	Murinjapalam, Medical College PO, Thiruvananthapuram 695011	Trivandrum	Private	BB

<b>185</b>	Leo Hospital	Mandayapuram, Kalpetta P.O., Wayanad, Kerala 673121	Wayanad	Private	BB
<b>186</b>	D M Wayanad Institute of Medical Sciences	Naseera Nagar, Meppadi P.O, Kalpetta, Wayanad, Kerala 673577	Wayanad	Private	BCSU
<b>187</b>	District Hospital	Thazhe Angadi, Mananthavady, Wayanad, Kerala 670645	Wayanad	Government	BCSU
<b>188</b>	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 OFFICE

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

## B2- Telephone Numbers of Programme Officers. DHS

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

# 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 Filariasis 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

*NATIONAL IMMUNIZATION SCHEDULE*





# Appendix F

## *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)	=	$\frac{5 \times \sum_{15-19}^{45-49} \text{ASFR for female live birth}}{1000}$	
5	Gross Reproduction Rate(GRR)	=	$\frac{5 \times \sum_{15-19}^{45-49} \text{ASFR for female live birth}}{1000}$	
6	Crude Death Rate(CDR)	=	Number of deaths during the year	X 1000
			Mid-year population	
7	Infant Mortality Rate (IMR)	=	Number of infant deaths during the year	X1000
			Number of live births during the year	
8	Neo-Natal Mortality Rate(NMR)	=	Number of infant deaths < than 29 days during the year	X1000
			Number of live births during the year	
9	Early neo- natal mortality rate	=	Number of infant deaths < than 7 days during the year	X1000
			Number of live births during the year	
10	Late neo- natal mortality rate	=	Number of infant deaths of 7 days to < than 29 days during the year	X1000
			Number of live births during the year	
11	Post neo- natal mortality rate	=	Number of infant deaths of 29 days to < than one year during the year	X1000
			Number of live births during the year	
12	Peri - natal mortality rate	=	Number of still births and infant deaths of < than 7 days during the year	X1000
			Number of live births and still births during the year	
13	Still birth rate	=	Number of still births during the year	X1000
			Number of live births and still births during the year	

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

