



PREFACE

Survey of causes of Death (Rural) is still in operation in Maharashtra state though Registrar General, Government of India has discontinued it at National level. This scheme is one of the tools to find the trend of causes of deaths in rural area.

Since 2007 the Survey of Causes of Death scheme (Rural) has been expanded in one revenue village from every Primary Health Center area in the state.

Along with the data on causes of death, district wise vital rates is the biproduct of the scheme. With the help of these vital rates, we can judge the rough scenario of district wise vital rates.

I wish to place on record the good work done by Dr. Tanaji Mane, Dy. DHS (SBHI & VS) and other who contributed in bringing out this publication.

Dr. Anup Kumar Yadav
Director of Health Services &
Chief Registrar, Births & Deaths,
Maharashtra State, Mumbai.

FOREWORD

Survey of causes of Death (Rural) scheme is a tool to build up the statistics on probable cause of death according age and sex in selected villages in the state. Along with causes of deaths, district wise vital rate are also available with the help of this scheme.

The Registrar General Of India has discontinued the “Survey of Causes of Deaths (Rural) Scheme” at national level in the year 1997. Maharashtra State has not only continued the scheme but also expanded it. Upto year 2006 the villages under the scheme were 600, presently the villages under the scheme are 1814.

In this publication, top ten killer diseases in all age groups, major five killer diseases of age group 1 to 4 years, major five killer diseases of female in age group 15-44 years are given. Similarly district wise vital rates are also included. I hope this data will be useful for various purposes like comparison, finding trend etc.

Any suggestion for improving the report will be welcome.

Dr. Tanaji Mane

MBBS, DCH.

**Dy. Director of Health Services, &
Dy.Chief Registrar of Births & Deaths,
Maharashtra, Pune.**

Officials Associates with this Publication

Shri. S.S. Inamdar

statistical Officer

Shri. B.V. Gavit

Statistical Supervisor

Smt. Pratibha Shinde

Statistical Investigator

Shri. Bhushan Chopade

Computer Programmer

Smt. Sandhya Khandagale

DEO

SURVEY OF CAUSES OF DEATHS SCHEME **(RURAL) - 2017**

INDEX

S.N.	Subject	Page No.	
		From	To
1	Short Note – SCD (R)	1	3
2	Limitations of the Scheme	5	5
3	Comparatives Statement – SRS (R) & SCD (R)	7	7
4	Salient Features	8	8
5	Definitions & Formulas, Abbreviations	9	13
6	Coverage of the Scheme	17	20
7	Rates & Ratios	24	24
8	Health Management Information System	28	34
9	Fertility Analysis	36	45
10	Mortality Analysis	46	60
11	Infant Mortality Analysis	61	77
12	Various Formats used at field level for Survey	78	84

PREAMBLE

SURVEY OF CAUSES OF DEATHS SCHEME

(RURAL)

- **BACKGROUND/ OVERVIEW**

Mortality influences the rate of growth of the population & provides a dimension of demographic perspective, which is vital for socio-economic planning. The pattern of deaths by causes, age & sex reflect the health status of the community & in turn provides a rational basis for health planning. It is not feasible to build up statistics of mortality by causes based on "Medical Certification of Causes of Death (MCCD)" due to inadequate nos. of medical institutions, & physicians in rural area. Still the percentages of non-institutional & unattended deaths are on higher side in the State as well as in the Country. This most important statistical gap has been bridged, to some extent by the scheme "Survey of Causes of Death"

HISTORY

- The Office of the Registrar General, India initiated in the 1960s a Scheme called as "Model Registration System" (MRS), with a view that, there should be few centers which are to be model in Registration of vital events. The scheme was introduced according to recommendations made in the 'Conference on improvement of Vital Statistics' held in 1961.
- The Scheme was renamed in 1982 as Survey of Causes of Deaths Scheme (Rural).
- The implementation of the scheme has been stopped by Registrar General, India in 1997 at central level & was merged in Sample Registration System.
- Taking into considerations, the need of district wise vital rates & mortality statistics pertaining to the rural areas, Maharashtra state has decided to continue the scheme. Consequently the scheme is till in continuation in the state.

PRESENT STATUS OF THE SCHEME

- The Scheme has been implemented in one village from each P.H.C. The villages can be PHC HQ, SC HQ, or any villages in PHCs on random basis. One village from each P.H.C. has been covered under the scheme.
- The list of classification of the diseases based on ICD-10, 111 diseases through 19 major groups is available to M.O. P.H.C. to select the cause of death, based on "Lay-man diagnosis reporting" or post death Verbal Autopsy Technique (VAT)

OBJECTIVE OF THE SCHEME

- The important objective of the Scheme is to build-up the statistics on most probable Cause of Death according to age & sex in selected villages by adopting "Lay - man diagnosis reporting (Post Death Verbal Autopsy Technique) through post death enquiry based on sign & symptoms, condition, duration & anatomical site of the disease of the deceased person reported by family members or relatives.
- To collect the data on fertility along with the mortality information.
- To produce district wise all fertility & mortality rates based on information collected under the Scheme.

COVERAGE

- Presently in the State, the scheme is being implemented in 1816 Villages, which are randomly selected among the 33 after regular, Continuous & close follow up for report submission, Ratnagiri, Buldhana & Jalgaon districts have not submitted reports resulting the annual report does not include the data from above districts.

IMPLEMENTATION

- The Para medical staff (ANM & MPW) working in the selected village are the important root level workers called as "FIELD AGENTS". The field's agents are expected to maintain house hold register visit the community twice in a month & collect the data on fertility & mortality. In case of mortality, they should contact the family members, relatives of deceased to collect the information on signs & symptoms, disease, duration of the disease of the deceased, by applying their experience &

communication skill providing health services. The data collected under the scheme is according to De jure method. (De jure residential)

- Field Agents are expected to submit the collected information in the prescribed format to the M.O. PHC through FIELD RECORDER at the end of the month.
- FIELD RECORDER (Health assistant) at PHC level is expected to supervise the villages selected under the scheme. He should consolidate the information received by the field agent every month. He should prepare the monthly report & submit to the District Health Officer at District level.
- Six monthly surveys are to be conducted to detect the omissions if any, by field recorder in the year. These surveys are to be conducted in July (for Jan to June) & Jan (for July to Dec) of every year.
- M.O.PHC is expected to verify all cause of death forms ("C form"). Based on signs & symptoms mentioned by the Field Agent, he is supposed to write the probable cause of death & code of disease with the help of classification of diseases made available to him, with the help of coding methodology given in SCD (R) training module. In case of institutional deaths, the MO should write down the same cause of death, as per the cause mentioned by private practitioner or head of Health Institution.
- M.O. is also responsible for the development of technique & update knowledge of Field Agent & field recorder in respect of post death verbal autopsy.
 - District Health Officer/A.D.H.O are expected to monitor, supervise, verify & evaluate, the scheme, from time to time with the help of statistical wing at district level. He is also expected to take review of scheme in monthly MO PHC meeting conducted at ZP.
- Deputy Director (State Bureau of Health Intelligence & Vital Statistics) is in charge of the scheme at State level. He is expected to review the scheme, take corrective actions in respect of the progress made. Further he should generate the age, sex, causes wise information on mortality/fertility statistics district & circle wise, calculate the vital rates & publish in the State Annual Report for the Scheme.

LIMITATIONS OF THE SCHEME

1. Coverage of the scheme is related to Rural area in the state only.
2. Statistical inferences are purely based on the Monthly reports submitted by district level.
3. Recording of signs & symptoms collected by FIELD AGENT is according to his/her technical knowledge & Communication skill.
4. The reliability of information of signs & symptoms at the time of death given by the family members/relatives FIELD AGENT FIELD RECORDER depends upon respondent's efficiency in describing the signs & symptoms, condition of the deceased.
5. Interpretation of the data for finding the cause of death by M.O. in present situation is depending on his analytical, clinical & technical knowledge, interest & commitment towards the Scheme.
6. Accuracy of cause of death & sustainability of perfect reporting is key point in successful implementation of the scheme.
7. Fluctuations in data as year-to-year & district-to-district can be noticed due to inadequate sample size.
8. A frequent change of M.O. P.H.C, FIELD AGENT & FIELD RECORDER due to transfer/promotion & new appointments affects the sustainability of the scheme, particularly in the interpretation of accuracy of Causes of deaths.
9. After regerous follow up for the reports in the state, 4 distric viz. Yavatmal, Jalgaon, Ratnagiri and Chandrapur districts have not submitted annual report in the year. Hence the report is compiled excluding the data of these 4 districts.

Comparative Statement

SRS (Rural) 2017 & SCD (Rural) 2017

Sr. No	Vital Rate	SRS (Rural)	SCD (Rural)
1	CBR	16.0	14.19
2	CDR	6.6	5.92
3	IMR	23	14.63

Salient Features

Particulars	Value
Districts	30
Villages	1549
Population	35,55,316
Total Births Registered	50,448
Crude Birth Rate	14.19
Total Deaths Registered	21,044
Crude Death Rate	5.92
Total Infant Deaths Registered	746
Infant Mortality Rate	14.79
Top 5 killer diseases (All age groups)	1) Cardiac Arrest 2) Asthama 3) Hemiplegia 4) Ischemic Heart Disease 5) Accidental Injuries

DEFINITIONS & FORMULAS

Sr. No	Rate (Name)	Definition	Formula
F E R T I L I T Y I N D I C A T O R S			
1	Crude Birth Rate	It is the simplest measure of fertility, expressing number of live births per thousand persons in the population during the given year & for the given region	$\text{CBR} = \frac{\text{No. of live births}}{\text{Population}} \times 1000$
2	Still Birth	The birth of a baby who is born without any signs of life at or after 24 weeks of pregnancy. A baby may have died during late pregnancy (called intrauterine death)	$\text{SBR} = \frac{\text{No. of still births}}{(\text{No. of Live births} + \text{No. of Still births})} \times 1000$
3	General Fertility Rate	The General Fertility Rate is the number of births per 1000 women of child bearing age in a particular geographical area in a particular year	$\text{GFR} = \frac{\text{No. of live births}}{\text{Female pop of (15-49 yrs)}} \times 1000$
4	Age Specific fertility Rate	The Age Specific Fertility Rate is the number of births per year per woman in a given age group in a given year & geographical area	$\text{ASFR} = \frac{\text{No. of live births in Any specific age group}}{\text{Female pop. of same specific age group}} \times 1000$
5	Total fertility Rate	It is hypothetical measure giving an idea about the number of births a woman can have, when she is exposed to a particular fertility pattern. It is calculated by adding all Age Specific Fertility Rates	$\text{TFR} = \frac{\text{Sum of all A.S.F.R.}}{1000} \times 5$

Sr. No	Rate (Name)	Definition	Formula
6	Gross Reproduction Rate	It indicates the number of daughters each woman can bear by the time she completes her passing through a fertility pattern.	$\text{GRR} = \frac{\text{No. female birth}}{\text{No. of total births}} \times \text{T.F.R}$
7	Sex Ratio at Birth	No of female births per 1000 male births is known as sex ratio at birth.	$\text{SRB} = \frac{\text{No.of female Births}}{\text{No.of male Births}} \times 1000 \text{ or } 100$
MORTALITY INDICATORS			
8	Crude Death Rate	It is the simplest measure of mortality, expressing number of deaths taking place within a given year, per thousand population for the given region.	$\text{CDR} = \frac{\text{No. of Deaths}}{\text{population}} \times 1000$
9	Infant death/ Infant Mortality Rate	When the death of live born takes place before completing the first year of its life, it is termed as infant death. This gives us the information, how much new borns died before completion of one year age. This rate is expressing as, number of infant deaths per thousand live births, in a given year & for the given region.	$\text{IMR} = \frac{\text{No.of Infant deaths}}{\text{No of Live births}} \times 1000$
10	Early Neonatal death/ Early Neonatal Mortality Rate	Number of infant deaths during the first seven days of life in a year and geographical region per thousand live births in the same year & geographical region.	$\text{ENMR} = \frac{\text{No.of infant deaths within 7 days after birth}}{\text{No.of live births}} \times 1000$

Sr. No	Rate (Name)	Definition	Formula
11	Late Neonata Death / Late Neonatal Mortality Rate	Number of infant deaths after 8 days & before 28 days of life in a year & geographical region per 1000 live births in the same year & geographical region.	$\text{LNMR} = \frac{\text{No.of infant deaths within 8-28 days after birth}}{\text{No.of live births}} \times 1000$
12	Neonatal Death/ Neonatal Mortality Rate	No of infant dying within 28 days after birth in a year & geographical region per 1000 live births of the same year & geographical region.	$\text{NMR} = \frac{\text{No.of infant deaths within 28 days after birth}}{\text{No.of live births}} \times 1000$
13	Post Neonatal Death/ Post Neonatal Mortality Rate	A death of new born taking place after 28 days & before completion of one year.	$\text{PNMR} = \frac{\text{No. of infant deaths between 28 days \& one year after birth}}{\text{No.of live births}} \times 1000$
14	Perinatal Death/ Perinatal Mortality Rate	Number of still births/late foetal deaths plus deaths within first week of life in a year & geographical region per 1000 births (live & still) in a year & geographical region.	$\text{PMR} = \frac{(\text{No. of infant deaths within 7 days} + \text{no of still births})}{(\text{Total no of live births} + \text{no.of still births})} \times 1000$
15	Maternal Deaths/ Maternal Mortality Ratio	Maternal death is the death of woman while pregnant or during termination of pregnancy including abortion or within 42 days of termination of pregnancy, irrespective of the duration & site of the pregnancy, from any cause related to or aggravated by the pregnancy or its management but not from accidental or incidental causes.	$\text{MMR} = \frac{\text{No.of Maternal deaths}}{\text{Total live births}} \times 100000$

Sr. No	Rate (Name)	Definition	Formula
16	Under 5 Mortality	It is defined as the total number of deaths of children with age 0 to 4 years in a given year & geographical region to per 1000 population between age 0 to 4 yrs of that geographical area of that year.	$\text{U5MR} = \frac{\text{Total no of child deaths between age 0 to 4 yrs in given area \& year}}{\text{Total no of children between age 0 to 4 yrs in same area \& year}} \times 1000$
17	Sex Ratio at Death	No of female Deaths per 1000 male Death is known as sex ratio at death.	$\text{SRD} = \frac{\text{No.of female Deaths}}{\text{No.of male Deaths}} \times 1000 \text{ or } 100$

ABBREVIATIONS Used in this publication

- | | | |
|-----|----------------------------|---|
| 1) | S.B.H.I. & V.S. | State Bureau Of Health Intelligence & Vital Statistics |
| 2) | S.C.D. | Survey of Causes of Death |
| 3) | P.H.C. | Primary Health Center |
| 4) | C.B.R. | Crude Birth Rate |
| 5) | C.D.R. | Crude Death Rate |
| 6) | S.B.R. | Still Birth Rate |
| 7) | G.F.R. | General Fertility Rate |
| 8) | A.S.F.R. | Age Specific Fertility Rate |
| 9) | T.F.R. | Total Fertility Rate |
| 10) | G.R.R. | Gross Reproduction Rate |
| 11) | S.R.B. | Sex Ratio at Birth |
| 12) | Peri N.M.R. | Peri natal Mortality Rate |
| 13) | E.N.M.R. | Early Neonatal Mortality Rate |
| 14) | L.N.M.R. | Late Neonatal Mortality Rate |
| 15) | N.M.R. | Neonatal Mortality Rate |
| 16) | P.N.M.R. | Post Neonatal Mortality Rate |
| 17) | I.M.R. | Infant Mortality Rate |
| 18) | U 5 M.R. | Under 5 Mortality Rate |
| 19) | A.S.M.R. | Age Specific Mortality Rate |
| 20) | S.R.D. | Sex Ratio at Death |
| 21) | L.B.W. | Low Birth weight |
| 22) | U.T.D. | Untrained Dai |

COVERAGE

Survey of Causes of Deaths Scheme (Rural) - 2017

Table No. 1A -Number of PHCs & Villages selected with Population

S.N.	District	Number of sanctioned PHCs			Number of functioning PHCs			Number of Villages selected			Population Covered
		Tribal	Non Tribal	Total	Tribal	Non Tribal	Total	Tribal	Non Tribal	Total	
1	2	3	4	5	6	7	8	9	10	11	12
1	Raigad	3	50	53	3	50	53	3	50	53	76062
2	Thane	17	16	33	17	16	33	17	16	33	71102
3	Palghar	36	10	46	36	10	46	36	10	46	97940
4	A'Nagar	10	86	96	10	86	96	10	86	96	207287
5	Dhule	14	27	41	14	27	41	14	27	41	132184
6	Nandurbar	56	2	58	56	2	58	56	2	58	120967
7	Jalgaon	---	---	---	---	---	---	---	---	---	---
8	Nashik	52	51	103	52	51	103	52	51	103	275539
9	Pune	8	88	96	8	88	96	8	88	96	177875
10	Satara	0	71	71	0	71	71	0	71	71	134319
11	Solapur	0	77	77	0	77	77	0	77	77	180968
12	Kolhapur	0	72	72	0	72	72	0	72	72	178713
13	Sangli	0	59	59	0	59	59	0	59	59	177254
14	Sindhudurg	0	38	38	0	38	38	0	38	38	62946
15	Ratnagiri	---	---	---	---	---	---	---	---	---	---
16	Aurangabad	0	50	50	0	50	50	0	50	50	113068
17	Jalana	0	40	40	0	40	40	0	40	40	111834
18	Parbhani	0	31	31	0	31	31	0	31	31	85178
19	Hingoli	0	24	24	0	24	24	0	24	24	62605
20	Latur	0	46	46	0	46	46	0	46	46	143292
21	Beed	0	50	50	0	50	50	0	50	50	103759
22	Nanded	14	51	65	14	51	65	14	51	65	164057
23	Osmanabad	0	42	42	0	42	42	0	42	42	86094
24	Akola	0	31	31	0	31	31	0	31	31	99441
25	Washim	0	25	25	0	25	25	0	25	25	57948
26	Amrawati	11	45	56	11	45	56	11	45	56	136219
27	Buldhana	0	52	52	0	52	52	0	52	52	141570
28	Yavatmal	---	---	---	---	---	---	---	---	---	---
29	Bhandara	0	33	33	0	33	33	0	33	33	84675
30	Gondia	19	21	40	19	21	40	19	21	40	79556
31	Chandrapur	---	---	---	---	---	---	---	---	---	---
32	Gadchiroli	45	0	45	45	0	45	45	0	45	44619
33	Nagpur	4	45	49	4	45	49	4	45	49	98397
34	Wardha	0	27	27	0	27	27	0	27	27	49848
State Total		289	1260	1549	289	1260	1549	289	1260	1549	3555316

Survey of Causes of Deaths Scheme (Rural) 2017
Table no 1B - Number of villages according to Population Group

S.N.	District	Number of villages with Population Size						Total Villages
		Below 500	501-1000	1001-3000	3001-5000	5001-10000	10000+	
1	2	3	4	5	6	7	8	9 = (3 to 8)
1	Raigad	6	17	24	5	1	0	53
2	Thane	1	13	16	0	2	1	33
3	Palghar	0	10	27	7	2	0	46
4	A'Nagar	0	11	63	21	1	0	96
5	Dhule	0	0	21	12	8	0	41
6	Nandurbar	0	5	45	8	0	0	58
7	Jalgaon	---	---	---	---	---	---	---
8	Nashik	0	8	57	28	10	0	103
9	Pune	5	22	54	12	3	0	96
10	Satara	3	6	57	5	0	0	71
11	Solapur	1	3	52	21	0	0	77
12	Kolhapur	2	8	38	19	5	0	72
13	Sangli	0	2	34	17	5	1	59
14	Sindhudurg	0	11	24	2	1	0	38
15	Ratnagiri	---	---	---	---	---	---	---
16	Aurangabad	0	2	38	9	1	0	50
17	Jalana	0	1	27	8	4	0	40
18	Parbhani	0	0	22	7	2	0	31
19	Hingoli	0	0	16	7	1	0	24
20	Latur	0	2	21	19	4	0	46
21	Beed	0	3	43	3	1	0	50
22	Nanded	0	1	46	16	2	0	65
23	Osmanabad	0	3	35	4	0	0	42
24	Akola	1	0	19	7	3	1	31
25	Washim	0	2	17	5	1	0	25
26	Amrawati	2	8	35	6	3	2	56
27	Buldhana	0	2	33	15	2	0	52
28	Yavatmal	---	---	---	---	---	---	---
29	Bhandara	1	2	18	11	1		33
30	Gondia	0	2	36	2	0	0	40
31	Chandrapur	---	---	---	---	---	---	---
32	Gadchiroli	9	17	18	1	0	0	45
33	Nagpur	1	10	31	6	1	0	49
34	Wardha	2	6	16	2	1	0	27
State Total		34	177	983	285	65	5	1549

Survey of Causes of Deaths Scheme(Rural)- 2017

Table no 1C - Population according to age group & Sex

S.N.	Age Group	Male	Female	Total	% to S.C.D. Pop.
1	0-4	147466	136167	283633	8.0
2	5-9	128552	118924	247476	7.0
3	10-14	138560	130529	269089	7.6
4	15-19	140481	131224	271705	7.6
5	20-24	146959	137177	284136	8.0
6	25-29	142062	134381	276443	7.8
7	30-34	135506	127849	263355	7.4
8	35-39	129773	125158	254931	7.2
9	40-44	118933	112881	231814	6.5
10	45-49	109458	104200	213658	6.0
11	50-54	101851	97716	199567	5.6
12	55-59	91049	85414	176463	5.0
13	60-64	81241	79126	160367	4.5
14	65-69	77195	73510	150705	4.2
15	70-74	47484	44790	92274	2.6
16	75-79	38217	34583	72800	2.0
17	80-84	31775	28445	60220	1.7
18	85+	25192	21488	46680	1.3
State		1831754	1723562	3555316	100

Survey of Causes of Deaths Scheme(Rural)- 2017

Table No 2 - Villages selected under the scheme

S.N	Name Block	Number of P.H.C. HQ Villages	Number of Sub Center Hq Villages	No. of Villages Without PHC or SC Hq	Total Number of Villages selected
1	2	3	4	5	6
1	Raigad	8	30	15	53
2	Thane	2	21	10	33
3	Palghar	2	40	4	46
4	A'Nagar	4	74	18	96
5	Dhule	0	34	7	41
6	Nandurbar	17	29	12	58
7	Jalgaon	---	---	---	---
8	Nashik	3	55	45	103
9	Pune	5	81	10	96
10	Satara	5	54	12	71
11	Solapur	4	64	9	77
12	Kolhapur	6	30	36	72
13	Sangli	0	56	3	59
14	Sindhudurg	5	33	0	38
15	Ratnagiri	---	---	---	---
16	Aurangabad	1	44	5	50
17	Jalana	4	36	0	40
18	Parbhani	0	31	0	31
19	Hingoli	2	22	0	24
20	Latur	8	36	2	46
21	Beed	1	49	0	50
22	Nanded	11	50	4	65
23	Osmanabad	0	36	6	42
24	Akola	4	26	1	31
25	Washim	2	23	0	25
26	Amrawati	5	51	0	56
27	Buldhana	5	47	0	52
28	Yavatmal	---	---	---	---
29	Bhandara	8	24	1	33
30	Gondia	1	37	2	40
31	Chandrapur	---	---	---	---
32	Gadchiroli	1	44	0	45
33	Nagpur	1	44	4	49
34	Wardha	0	23	4	27
Total		115	1224	210	1549

HEALTH
MANAGEMENT
INFORMATION SYSTEM

Survey of Causes of Deaths Scheme (Rural) 2017

Table No 3. Management Information System-- Indicator wise Performance

S.N.	District	Reporting Efficiency			Recorded Births			Recorded Deaths			Recorded Infant Deaths		
		Exp. Level	Achievment	%	Exp. Level	Achievment	%	Exp. Level	Achievment	%	Exp. Level	Achievment	%
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Raigad	636	636	100	1116	951	85	468	382	82	48	6	13
2	Thane	396	396	100	1415	991	70	287	222	77	16	3	19
3	Palghar	552	552	100	1549	1456	94	505	460	91	29	9	31
4	A'Nagar	1152	1152	100	3864	2826	73	1600	1197	75	50	26	52
5	Dhule	492	492	100	2400	1989	83	850	692	81	50	29	58.00
6	Nandurbar	696	696	100	2500	2140	86	750	503	67	70	42	60.00
7	Jalgaon	---	---	---	---	---	---	---	---	---	---	---	---
8	Nashik	1236	1236	100	4628	4477	97	1507	1410	94	116	84	72
9	Pune	1152	1152	100	3700	2447	66	1401	1118	80	51	30	58.8
10	Satara	852	852	100	2000	1661	83	1100	1062	97	30	20	67
11	Solapur	924	924	100	3700	3150	85	1400	1345	96	70	48	69
12	Kolhapur	864	864	100	2950	2328	79	1500	1283	86	50	25	50
13	Sangli	708	708	100	2808	2669	95	1284	1318	103	96	28	29
14	Sindhudurg	456	456	100	850	570	67	650	604	93	46	7	15
15	Ratnagiri	---	---	---	---	---	---	---	---	---	---	---	---
16	Aurangabad	600	600	100	1961	1801	92	650	587	90	50	33	66
17	Jalana	480	480	100	2250	1697	75	650	541	83	40	22	55
18	Parbhani	372	334	90	1323	1033	78	384	342	89	36	9	25
19	Hingoli	288	288	100	1038	886	85	378	320	85	27	10	37
20	Latur	552	552	100	2450	1761	72	950	810	85	40	24	60
21	Beed	700	700	100	1950	1402	72	700	534	76	40	19	48
22	Nanded	780	780	100	2916	2189	75	1125	781	69	75	36	48
23	Osmanabad	504	504	100	1350	1247	92	650	520	80	40	20	50
24	Akola	372	372	100	1900	1469	77	754	646	86	50	31	62
25	Washim	300	300	100	1050	769	73	450	349	78	30	16	53
26	Amrawati	672	672	100	1972	1807	92	1000	916	92	60	51	85
27	Buldhana	624	617	99	2613	2163	83	921	791	86	81	14	17
28	Yavatmal	---	---	---	---	---	---	---	---	---	---	---	---
29	Bhandara	396	396	100	1300	1146	88	700	607	87	30	26	87
30	Gondia	480	480	100	1200	1030	86	696	497	71	15	15	100
31	Chandrapur	---	---	---	---	---	---	---	---	---	---	---	---
32	Gadchiroli	540	540	100	950	670	71	450	327	73	30	15	50
33	Nagpur	588	587	100	1550	1198	77	850	567	67	40	24	60
34	Wardha	324	324	100	650	525	81	400	313	78	20	16	80
State Total		18688	18642	100	61903	50448	81	25010	21044	84	1426	738	52

RATES & RATIOS

Survey Of Causes Of Deaths Scheme (Rural) - 2017

Table No 4 - Fertility Rates

S.N.	District	C.B.R.	S.B.R.	G.F.R.	T.F.R.	G.R.R.	S.R.B.
1	Raigad	12.81	3.14	46.09	1.54	0.74	92.12
2	Thane	13.94	3.02	37.03	1.88	0.91	93.93
3	Palghar	14.87	8.17	55.47	1.84	0.96	110.10
4	A'Nagar	13.63	3.88	53.65	1.58	0.76	91.98
5	Dhule	15.05	2.51	58.82	1.91	0.93	95.58
6	Nandurbar	17.69	22.83	70.34	2.22	1.06	91.24
7	Jalgaon	---	---	---	---	---	---
8	Nashik	16.25	2.23	69.05	1.96	0.92	88.90
9	Pune	13.76	3.26	55.23	1.76	0.80	83.24
10	Satara	12.37	5.98	50.21	1.64	0.74	82.33
11	Solapur	17.41	5.68	73.40	2.41	1.17	94.44
12	Kolhapur	13.03	5.98	51.01	1.70	0.79	87.44
13	Sangli	15.06	9.28	57.75	1.73	0.80	86.90
14	Sindhudurg	9.06	3.50	34.64	1.27	0.67	111.11
15	Ratnagiri	---	---	---	---	---	---
16	Aurangabad	15.93	8.26	61.98	1.88	0.91	93.45
17	Jalana	15.17	7.02	66.86	2.32	1.07	85.06
18	Parbhani	12.13	3.86	51.67	1.95	0.91	87.48
19	Hingoli	14.15	10.06	51.97	1.71	0.79	86.92
20	Latur	12.29	5.08	59.09	2.85	1.29	82.87
21	Beed	11.96	3.55	60.24	2.04	0.97	90.23
22	Nanded	13.34	2.28	57.58	2.05	0.96	87.41
23	Osmanabad	14.48	7.17	65.09	2.08	0.95	84.74
24	Akola	14.77	11.44	64.21	2.19	1.06	94.06
25	Washim	13.27	7.74	54.49	2.01	0.95	89.41
26	Amrawati	13.27	22.19	52.69	1.69	0.83	95.99
27	Buldhana	15.28	2.31	66.41	2.19	1.04	89.90
28	Yavatmal	---	---	---	---	---	---
29	Bhandara	13.53	7.79	53.28	1.73	0.81	88.80
30	Gondia	12.95	2.90	52.65	1.76	0.85	94.71
31	Chandrapur	---	---	---	---	---	---
32	Gadchiroli	15.02	24.75	55.25	1.81	0.86	90.88
33	Nagpur	12.18	10.73	44.80	1.77	0.86	93.23
34	Wardha	12.06	7.56	49.07	1.72	0.81	88.17
State Total		14.19	6.97	57.41	1.90	0.90	90.31

Survey Of Causes Of Deaths Scheme (Rural) - 2017

Table No 5 - Mortality Rates

S.N.	District	CDR	U5 MR	Peri. NMR	ENMR	LNMR	NMR	PNMR	IMR	SRD
1	Raigad	5.15	1.28	4.19	1.05	2.10	3.15	3.15	6.31	66.09
2	Thane	3.12	0.00	3.02	0.00	1.01	1.01	2.02	3.03	76.19
3	Palghar	4.70	2.08	10.90	2.75	0.69	3.43	2.75	6.18	71.64
4	A'Nagar	5.77	2.52	10.57	6.72	0.35	7.08	2.12	9.20	69.07
5	Dhule	5.24	3.18	8.02	5.53	1.51	7.04	7.54	14.58	73.87
6	Nandurbar	4.16	4.18	29.22	6.54	6.07	12.62	7.01	19.63	75.26
7	Jalgaon	---	---	---	---	---	---	---	---	---
8	Nashik	5.12	2.47	6.46	4.24	6.48	10.72	8.26	18.76	73.86
9	Pune	6.29	2.11	7.33	4.09	2.04	6.13	6.13	12.26	72.53
10	Satara	7.91	3.89	12.57	6.62	2.41	9.03	3.01	12.04	74.96
11	Solapur	7.43	3.29	12.31	6.67	2.54	9.21	6.35	15.24	75.82
12	Kolhapur	7.18	2.35	13.24	7.30	0.43	7.73	3.01	10.74	79.69
13	Sangli	7.44	2.58	14.48	5.25	2.62	7.87	3.00	10.49	77.87
14	Sindhudurg	9.60	2.57	6.99	3.51	1.75	5.26	7.02	12.28	77.13
15	Ratnagiri	---	---	---	---	---	---	---	---	---
16	Aurangabad	5.19	3.66	17.62	9.44	5.00	14.44	4.44	18.32	81.73
17	Jalana	4.84	2.53	12.29	5.30	5.30	10.61	2.36	12.96	70.66
18	Parbhani	4.02	1.59	8.68	4.84	0.97	5.81	2.90	8.71	96.55
19	Hingoli	5.11	3.26	14.53	4.51	3.39	7.90	3.39	11.29	86.05
20	Latur	5.65	5.04	11.30	6.25	3.41	9.65	4.54	13.63	78.81
21	Beed	5.15	3.60	10.66	7.13	2.85	9.99	3.57	13.55	70.61
22	Nanded	4.76	4.42	10.03	7.77	3.65	11.42	5.48	16.45	76.70
23	Osmanabad	6.04	3.31	15.92	8.82	0.80	9.62	6.42	16.04	84.40
24	Akola	6.50	4.51	21.53	10.21	6.81	17.02	4.77	21.78	75.54
25	Washim	6.02	9.67	19.35	11.70	7.80	19.51	1.30	19.51	76.26
26	Amrawati	6.72	6.91	38.96	17.16	4.43	21.58	6.64	28.22	68.38
27	Buldhana	5.59	1.68	5.54	3.24	0.92	4.16	2.31	6.47	66.53
28	Yavatmal	---	---	---	---	---	---	---	---	---
29	Bhandara	7.17	4.98	19.05	11.34	6.11	17.45	6.11	22.69	78.01
30	Gondia	6.20	4.26	11.62	8.74	2.91	11.65	2.91	14.56	65.67
31	Chandrapur	---	---	---	---	---	---	---	---	---
32	Gadchiroli	7.33	6.14	32.02	7.46	10.45	17.91	4.48	22.39	71.20
33	Nagpur	5.76	4.39	20.64	10.02	5.84	15.86	4.17	20.03	75.00
34	Wardha	6.28	7.96	22.68	15.24	7.62	22.86	7.62	30.48	92.02
State Total		5.92	3.26	13.58	6.66	3.39	10.05	4.74	14.63	75.02

Survey Of Causes Of Deaths Scheme (Rural) - 2017

Table No 6 - Vital Rates - Year wise Comparison of vital rates

S.N.	Rates	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Fertility Rates												
1	Crude Birth Rate	17.6	17.8	17.3	16.9	16.6	16.4	16.1	15.6	14.78	14.33	14.27
2	Still Birth Rate	10.6	10.4	9.5	8.5	8.2	8.3	8.07	8.2	8.53	7.30	6.97
3	General Fertility Rate	69	69	67	65	65	65	64	62	59.47	56.35	61.71
4	Total Fertility Rate	2.18	2.21	2.14	2.08	2.07	2.08	2.03	1.97	1.91	1.80	1.90
5	Gross Reproduction Rate	1	1.02	0.98	0.95	0.95	0.98	0.96	0.94	0.92	0.86	0.9
6	Age Specifice Fertility Rates											
i	15 - 19	18	17	15	14	14	13	13	10	9.0	8.6	11.36
ii	20 - 24	249	257	259	251	249	252	246	241	230.0	212.2	205.38
iii	25 - 29	133	134	128	124	127	124	123	117	121.0	113.7	121.15
iv	30 - 34	29	28	21	21	19	21	20	20	19.0	21.2	26.64
v	35 - 39	6	6	5	5	4	5	5	5	4.0	3.9	7.29
vi	40 - 44	0	0	0	1	0	1	0.5	0.4	0.3	0.1	1.3
vii	45 - 49	0	0	0	0	0	0	0	0	0.0	0.0	0.44
7	Sex Ratio at Birth	86	86	85	84	85	89	89	91	92.7	92.0	94
Mortality Rates												
1	Crude Death Rate	7.1	6.7	6.6	6.8	6.3	6.2	6.3	6.3	6.36	6.47	5.95
2	Perinatal Mortality Rate	28	28	26	23	21	21	21	18	19.56	17.29	13.58
3	Early Neonatal Mortality Rate	18	18	17	15	13	13	13	10	11.14	8.82	6.66
4	Late Neonatal Mortality Rate	4	5	4	5	5	4	4	3	2.78	3.26	3.39
5	Neonatal Mortality Rate	22	23	21	20	18	17	17	13	13.92	12.07	10.05
6	Post Neonatal Mortality Rate	9	8	8	8	6	7	5	5	4.28	5.18	4.74
7	Infant Mortality Rate	31	31	29	28	24	24	22	19	18.20	17.26	14.63
8	Child Mortality Rate (0-4) Rate	8.7	7.5	6.9	6.8	5.6	5.2	5.1	4.3	4.13	6.47	3.10
9	Sex Ratio at Death	78	79	78	78	75	77	78	79	77.89	79.31	75.02

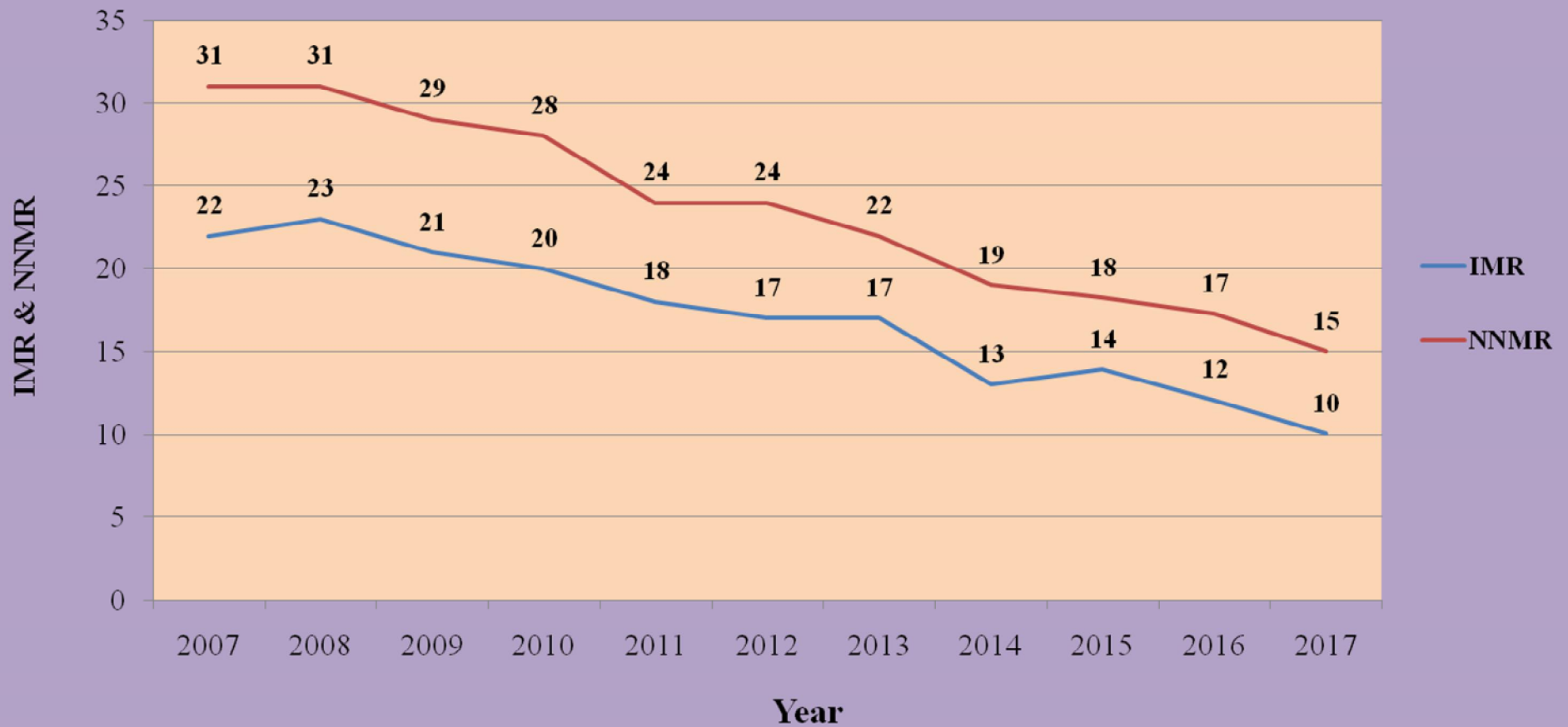
SURVEY OF CAUSES OF DEATHS (RURAL) - 2017

Trend of T.F.R. & G.R.R.



SURVEY OF CAUSES OF DEATHS (RURAL) - 2017

Neonatal Mortality Rate & Infant Mortality Rate



Fertility Analysis

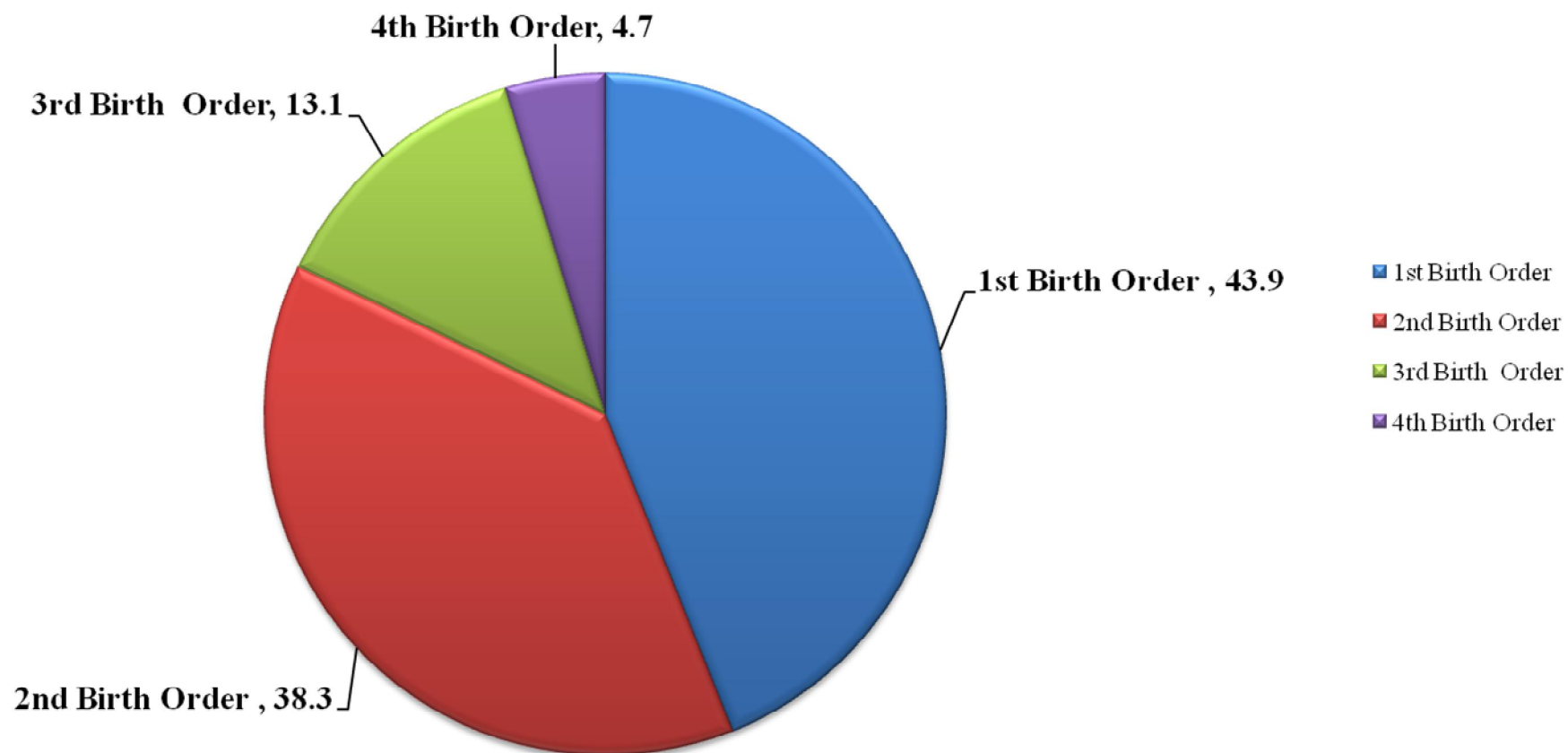
- Distribution of Births by age of mother & birth Order
- Difference between two Deliveries
- Babies Weighed
- Births by Place of Occurrence & Attended

Survey Of Causes of Deaths Scheme (Rural) - 2017

Table 7- Distribution of Births according to age of Mother & Birth Order

S.N.	Age of Mother	Birth Order															% Births Occurred according to age of Mother
		1 st			2 nd			3 rd			4 th +			Total			
		M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	15 - 19	707	654	1361	69	37	106	16	7	23	2	0	2	794	698	1492	3
2	20 - 24	8401	7677	16078	5374	5062	10436	717	615	1332	172	145	317	14664	13499	28163	56
3	25 - 29	2028	1849	3877	3828	3413	7241	2135	1833	3968	648	547	1195	8639	7642	16281	32
4	30 - 34	322	332	654	615	553	1168	543	445	988	323	273	596	1803	1603	3406	7
5	35 - 39	89	66	155	153	135	288	120	117	237	132	101	233	494	419	913	2
6	40 - 44	9	13	22	19	22	41	22	21	43	25	16	41	75	72	147	0
7	45 - 49	1	1	2	11	7	18	7	8	15	6	5	11	25	21	46	0
Total		11557	10592	22149	10069	9229	19298	3560	3046	6606	1308	1087	2395	26494	23954	50448	
% Births Occurred according to birth order		43.9			38.3			13.1			4.7			100			

Survey of Causes of Death (Rural) -2017
Births according to Birth Order(State Total)



Survey of Causes of Deaths Scheme 2017
Table no 8 - Interval between two deliveries(%)

S.N.	District	Total Births	Primy	Multipara	Interval between two Successive deliveries				
					Within 12 months	12 - 24 months	25 - 36 months	more than 36	Not Stated
1	2	3	4	5	6	7	8	9	10
1	Raigad	951	419	532	59.6	29.9	10.5	0.0	0.0
2	Thane	991	423	568	2.8	31.7	44.0	21.5	0.0
3	Palghar	1456	562	894	3.5	27.5	36.2	32.8	0.0
4	A'Nagar	2826	1248	1578	0.3	50.8	28.0	20.9	0.0
5	Dhule	1989	277	1712	1.1	48.9	33.8	8.6	7.5
6	Nandurbar	2140	628	1512	5.2	68.0	24.0	2.8	0.0
7	Jalgaon	---	---	---	---	---	---	---	---
8	Nashik	4477	2093	2384	0.0	0.3	14.6	81.8	3.4
9	Pune	2447	1222	1225	1.0	25.8	33.8	23.1	16.3
10	Satara	1661	849	812	3.4	49.4	37.3	9.9	0.0
11	Solapur	3150	1380	1770	0.3	66.2	9.8	16.7	7.0
12	Kolhapur	2328	1049	1279	3.4	33.9	33.0	29.6	0.0
13	Sangli	2669	1292	1377	2.8	35.2	41.2	20.8	0.0
14	Sindhudurg	570	272	298	1.0	15.8	27.5	55.7	0.0
15	Ratnagiri	---	---	---	---	---	---	---	---
16	Aurangabad	1801	673	1128	0.0	17.1	42.8	40.1	0.0
17	Jalana	1697	708	989	0.4	32.2	52.7	14.8	0.0
18	Parbhani	1033	399	634	25.6	44.5	27.6	2.4	0.0
19	Hingoli	886	429	457	0.0	38.1	49.7	12.3	0.0
20	Latur	1761	744	1017	0.0	29.9	46.5	23.6	0.0
21	Beed	1402	578	824	68.0	21.6	10.4	0.0	0.0
22	Nanded	2189	1281	908	1.9	71.4	23.1	3.6	0.0
23	Osmanabad	1247	536	711	0.1	54.1	33.1	12.7	0.0
24	Akola	1469	667	802	0.9	40.8	40.4	16.7	1.2
25	Washim	769	361	408	0.0	42.2	36.0	21.8	0.0
26	Amrawati	1807	917	890	8.2	68.3	18.4	5.1	0.0
27	Buldhana	2163	942	1221	0.2	27.6	54.5	17.7	0.0
28	Yavatmal	---	---	---	---	---	---	---	---
29	Bhandara	1146	536	610	7.2	30.7	35.7	26.4	0.0
30	Gondia	1030	487	543	1.3	43.5	38.9	16.4	0.0
31	Chandrapur	---	---	---	---	---	---	---	---
32	Gadchiroli	670	301	369	0.8	33.9	37.4	27.9	0.0
33	Nagpur	1198	592	606	3.0	23.6	41.9	31.5	0.0
34	Wardha	525	284	241	1.2	19.1	56.8	22.8	0.0
State Total		50448	22149	28299	5.3	38.1	31.8	22.9	1.9

Survey Of Causes of Deaths Scheme (Rural) 2017

Table No 9 - Distribution of Babies according to Birth Weight(%)

S.N.	District	Total Births	% Birth Weight			
			Below 2000 gms	2001- 2500 gms	Above 2500 gms	Weight Not taken
1	2	3	4	5	6	7
1	Raigad	951	1	22	77	0
2	Thane	991	2	21	77	0
3	Palghar	1456	8	24	67	0
4	A'Nagar	2826	1	4	92	3
5	Dhule	1989	1	24	75	0
6	Nandurbar	2140	2	8	84	5
7	Jalgaon	---	---	---	---	---
8	Nashik	4477	0	5	94	1
9	Pune	2447	2	6	92	0
10	Satara	1661	16	39	44	0
11	Solapur	3150	4	22	74	0
12	Kolhapur	2328	3	19	79	0
13	Sangli	2669	2	4	94	0
14	Sindhudurg	570	5	22	74	0
15	Ratnagiri	---	---	---	---	---
16	Aurangabad	1801	3	33	64	1
17	Jalana	1697	1	21	78	0
18	Parbhani	1033	1	63	36	0
19	Hingoli	886	3	88	9	0
20	Latur	1761	5	13	82	0
21	Beed	1402	1	3	96	0
22	Nanded	2189	0	2	98	0
23	Osmanabad	1247	1	22	77	0
24	Akola	1469	2	4	94	0
25	Washim	769	5	5	90	0
26	Amrawati	1807	4	5	91	0
27	Buldhana	2163	3	26	71	0
28	Yavatmal	---	---	---	---	---
29	Bhandara	1146	7	29	64	0
30	Gondia	1030	5	17	78	0
31	Chandrapur	---	---	---	---	---
32	Gadchiroli	670	5	30	65	0
33	Nagpur	1198	5	16	78	0
34	Wardha	525	1	13	86	0
State Total		50448	3	17	79	1

Survey Of Causes of Deaths Scheme (Rural) - 2017

Table 10 - Survival Rate of babies with weight below 2500 gms

S.N.	District	Total Births	Babies with weight below 2500gms.	Babies Survived out of Col no 4	% of babies survived
1	2	3	4	5	6
1	Raigad	951	218	212	97
2	Thane	991	227	224	99
3	Palghar	1456	474	465	98
4	A'Nagar	2826	141	115	82
5	Dhule	1989	499	470	94
6	Nandurbar	2140	227	185	81
7	Jalgaon	---	---	---	---
8	Nashik	4477	216	132	61
9	Pune	2447	191	161	84
10	Satara	1661	923	903	98
11	Solapur	3150	802	754	94
12	Kolhapur	2328	497	472	95
13	Sangli	2669	161	133	83
14	Sindhudurg	570	150	143	95
15	Ratnagiri	---	---	---	---
16	Aurangabad	1801	636	603	95
17	Jalana	1697	380	358	94
18	Parbhani	1033	660	651	99
19	Hingoli	886	805	795	99
20	Latur	1761	318	294	92
21	Beed	1402	59	40	68
22	Nanded	2189	43	7	16
23	Osmanabad	1247	291	271	93
24	Akola	1469	94	62	66
25	Washim	769	79	64	81
26	Amrawati	1807	164	113	69
27	Buldhana	2163	624	610	98
28	Yavatmal	---	---	---	---
29	Bhandara	1146	411	385	94
30	Gondia	1030	229	214	93
31	Chandrapur	---	---	---	---
32	Gadchiroli	670	236	221	94
33	Nagpur	1198	256	232	91
34	Wardha	525	74	58	78
State Total		50448	10085	9347	93

Survey Of Causes of Deaths Scheme (Rural) 2017

Table no 11 - Births by Place of Occurrence & % of attendance at birth

S.N.	District	Total Births	Institutional Births (%)				Total Domiciliary	Domiciliary Births attended by(%)			
			Sub Center	P.H.C.	Hospital	Total		A.N.M.	Trained Dai	Untrained Dai	Other
1	2	3	4	5	6	7	8	9	10	11	12
1	Raigad	951	5.05	16.93	77.29	99.26	0.74	28.57	71.43	0.00	0.00
2	Thane	991	7.37	14.73	63.77	85.87	14.13	78.57	2.86	0.71	17.86
3	Palghar	1456	20.12	29.19	23.21	72.53	27.47	82.25	7.50	0.00	10.25
4	A'Nagar	2826	4.42	3.75	90.30	98.48	1.52	69.77	25.58	4.65	0.00
5	Dhule	1989	64.76	15.99	15.23	95.98	4.02	100.00	0.00	0.00	0.00
6	Nandurbar	2140	10.56	27.24	45.05	82.85	17.15	84.47	12.26	1.91	1.36
7	Jalgaon	---	---	---	---	---	---	---	---	---	---
8	Nashik	4477	31.16	44.43	21.71	97.30	2.70	100.00	0.00	0.00	0.00
9	Pune	2447	4.50	4.99	90.40	99.88	0.12	66.67	33.33	0.00	0.00
10	Satara	1661	6.44	11.74	80.01	98.19	1.81	66.67	13.33	6.67	13.33
11	Solapur	3150	29.43	25.71	44.86	100.00	0.00	0.00	60.00	0.00	40.00
12	Kolhapur *	2328	3.48	11.73	84.79	100.00	0.00	0.00	0.00	0.00	0.00
13	Sangli *	2669	4.87	5.70	89.43	100.00	0.00	0.00	0.00	0.00	0.00
14	Sindhudurg*	570	0.18	10.35	89.47	100.00	0.00	0.00	0.00	0.00	0.00
15	Ratnagiri	---	---	---	---	---	---	---	---	---	---
16	Aurangabad *	1801	7.72	10.61	81.23	99.56	0.44	37.50	50.00	12.50	0.00
17	Jalana *	1697	12.96	10.08	76.96	100.00	0.00	0.00	0.00	0.00	0.00
18	Parbhani *	1033	11.33	5.42	83.25	100.00	0.00	0.00	0.00	0.00	0.00
19	Hingoli *	886	4.18	8.92	86.91	100.00	0.00	0.00	0.00	0.00	0.00
20	Latur	1761	10.45	16.24	71.61	98.30	1.70	40.00	23.33	16.67	20.00
21	Beed	1402	3.50	4.14	91.87	99.50	0.50	0.00	100.00	0.00	0.00
22	Nanded	2189	21.06	37.05	41.53	99.63	0.37	12.50	87.50	0.00	0.00
23	Osmanabad	1247	5.45	14.68	79.79	99.92	0.08	100.00	0.00	0.00	0.00
24	Akola	1469	3.27	11.50	83.19	97.96	2.04	20.00	80.00	0.00	0.00
25	Washim	769	10.92	11.18	77.11	99.22	0.78	16.67	16.67	0.00	66.67
26	Amrawati	1807	13.12	10.57	65.02	88.71	11.29	75.49	18.14	4.90	1.47
27	Buldhana	2163	7.77	9.80	76.61	94.17	5.83	76.98	15.87	0.00	7.14
28	Yavatmal	---	---	---	---	---	---	---	---	---	---
29	Bhandara	1146	10.30	15.71	73.73	99.74	0.26	0.00	100.00	0.00	0.00
30	Gondia *	1030	42.33	23.98	33.69	100.00	0.00	0.00	0.00	0.00	0.00
31	Chandrapur	---	---	---	---	---	---	---	---	---	---
32	Gadchiroli	670	37.16	6.72	55.07	98.96	1.04	14.29	85.71	0.00	0.00
33	Nagpur *	1198	9.02	7.85	83.14	100.00	0.00	0.00	0.00	0.00	0.00
34	Wardha	525	6.48	8.76	84.19	99.43	0.57	66.67	33.33	0.00	0.00
Total		50448	14.99	16.74	65.06	96.78	3.22	78.70	13.51	1.72	6.08

* Note - All Births in these district are institutional births, hence no bifurcation of domicillary birth attendance.

MORTALITY ANALYSIS

- Deaths by Place of Occurrence
- Mortality Trend
- Top Ten Killer Diseases of all age Groups
- Top Five killer Diseases (1-4 yr)
- Top Five Killer Disease (15-49 yr) in Female Group
- Top ten killer Diseases of 65+yrs
- Causes by Age & Sex

Survey Of Causes of Deaths Scheme (Rural) 2017

Table no -12 % of Deaths by Place of Occurance

S.N.	District	Total Deaths	% of Institutional deaths			% of Domiciliary deaths
			P.H.C.	Other	Total	
1	2	3	4	5	6	7
1	Raigad	382	0	22	22	78
2	Thane	222	8	25	32	68
3	Palghar	460	4	40	44	56
4	A'Nagar	1197	0	96	96	4
5	Dhule	692	0	70	70	30
6	Nandurbar	503	0	81	81	19
7	Jalgaon	---	---	---	---	---
8	Nashik	1410	0	96	96	4
9	Pune	1118	24	2	26	74
10	Satara	1062	0	22	22	78
11	Solapur	1345	1	13	15	85
12	Kolhapur	1283	0	29	29	71
13	Sangli	1318	0	14	14	86
14	Sindhudurg	604	0	14	14	86
15	Ratnagiri	---	---	---	---	---
16	Aurangabad	587	0	58	58	42
17	Jalana	541	18	79	97	3
18	Parbhani	342	12	18	30	70
19	Hingoli	320	1	18	20	80
20	Latur	810	0	32	32	68
21	Beed	534	0	15	15	85
22	Nanded	781	2	17	20	80
23	Osmanabad	520	3	19	23	77
24	Akola	646	0	17	17	83
25	Washim	349	1	20	20	80
26	Amrawati	916	6	44	50	50
27	Buldhana	791	0	16	16	84
28	Yavatmal	---	---	---	---	---
29	Bhandara	607	0	19	19	81
30	Gondia	497	0	8	8	92
31	Chandrapur	---	---	---	---	---
32	Gadchiroli	327	0	17	18	82
33	Nagpur	567	1	25	26	74
34	Wardha	313	10	63	73	27
State Total		21044	3	36	39	61

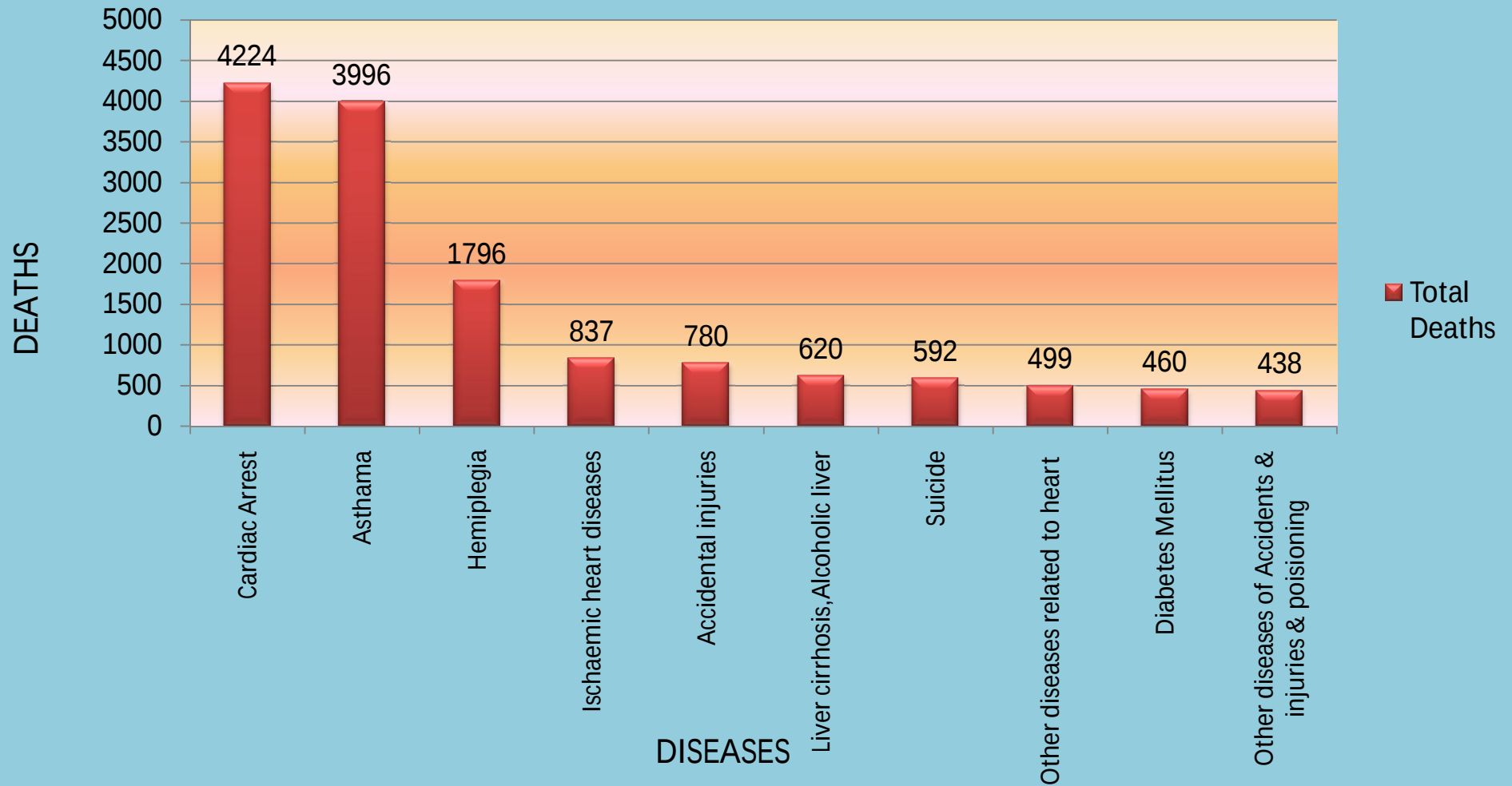
Survey of Causes of Deaths Scheme (Rural) - 2017

Table No 13 - Top Ten Killer Diseases (all age Groups)

S.N.	Disease	Code No	Male	Female	Total	% to total Deaths 21044
1	Cardiac Arrest	4I	2498	1726	4224	20
2	Asthama	2J	2018	1978	3996	19
3	Hemiplegia	3G	1018	778	1796	9
4	Ischaemic heart diseases	2I	491	346	837	4
5	Accidental injuries	1S	542	238	780	4
6	Liver cirrhosis,Alcoholic liver	4K	500	120	620	3
7	Suicide	3X	424	168	592	3
8	Other forms of heart diseases	3I	276	223	499	2
9	Diabetes Mellitus	2E	287	173	460	2
10	Other diseases of Accidents & injuries & poisoning	5X	226	212	438	2

SURVEY OF CAUSES OF DEATHS (RURAL) - 2017

Top Ten Killer Diseases of All Age Groups



Survey of Causes of Deaths Scheme (Rural) - 2017

Table No 14 - Major five Killer Diseases of age group (1 - 4yr)

S.N.	Disease	Code No	Male	Female	Total	% to total Deaths 142 in age group 1- 4 Years	% to total Deaths 21044
1	Pneumonia & Bronchitis	1J	7	8	15	11	0.07
1	Other diseases of infant related to perinatal & neonatal period	11P	7	8	15	11	0.07
2	Accidental drowning	7T	7	6	13	9	0.06
3	Accidental injuries	1S	6	4	10	7	0.05
4	Cardiac Arrest	4I	4	3	7	5	0.03
5	Encephalitis & Meningitis	1G	3	2	5	4	0.02

Survey of Causes of Deaths Scheme (Rural) - 2017

Table No 15 - Major 5 Killer Diseases of Females in age group 15 - 44yrs

S.N.	Disease	Code No	Females Deaths	% to total Female Deaths 862 in age group 15-44 years	% to total Deaths 21044
1	Suicide	3X	113	13.1	0.5
2	Cardiac Arrest	4I	104	12.1	0.5
3	Accidental injuries	1S	81	9.4	0.4
4	H.I.V.	4B	26	3.0	0.1
5	Cancer of lips,mouth, tongue, & throat	1C	23	2.7	0.1

SURVEY OF CAUSES OF DEATHS SCHEME - 2017

Table No 16 - CLSSIFICATION OF CAUSE OF DEATHS BY AGE & SEX

S.N.	CAUSE OF DEATH	Code No.	0 - 1		1 - 4		5 - 14		15 - 24		25 - 34		35 - 44		45 - 54		55 - 64		65 - 74		75 - 84		85 +		Total		
			M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	Total
Group No. 1 : Infectious & Parasitic diseases																											
1	Cholera	1A	0	0	0	0	0	0	1	0	0	0	0	0	1	0	1	0	2	1	1	2	3	1	9	4	13
2	Typhoid & Paratyphoid	2A	0	0	1	0	1	0	0	2	0	0	0	1	1	1	2	0	1	1	0	1	0	0	6	6	12
3	Dysentry	3A	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	0	0	3	0	1	2	2	4	7	11
4	Diarrhoeal Diseases & Gastroenteritis	4A	0	0	1	1	0	0	1	1	0	0	0	0	1	1	0	1	4	2	1	0	0	0	8	6	14
5	Pulmonary Tuberculosis	5A	0	0	1	1	0	0	2	0	12	3	10	3	20	3	22	1	23	4	8	4	7	2	105	21	126
6	Extra Pul. T.B.	6A	0	0	0	0	0	0	1	3	6	2	6	2	4	1	4	0	4	1	3	0	4	1	32	10	42
7	Plague	7A	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2	0	2
8	Leprosy	8A	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	2	2	0	1	2	5	7
9	Tetanus	9A	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	1	0	2	2	4
10	Diphtheria	10A	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2	0	2
11	Pertussis	11A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	1	1	1	3	4
12	Acute poliomyelitis	12A	0	0	0	0	1	1	0	1	0	0	0	0	2	0	0	0	0	0	1	0	0	0	4	2	6
13	Rabies	13A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
14	Dengue	14A	0	0	0	0	0	0	0	1	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	3	3
15	Chickenpox	1B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1	2	2	4
16	Measles	2B	0	0	0	0	1	0	0	0	0	0	0	0	2	0	0	0	0	0	1	0	0	0	4	0	4
17	Viral hepatitis	3B	3	1	0	0	1	2	2	4	2	3	4	4	7	0	1	1	3	4	4	2	1	1	28	22	50
18	H.I.V.	4B	0	0	0	0	0	1	0	1	5	4	15	21	16	6	3	2	3	0	5	2	2	0	49	37	86
19	Malaria	5B	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	3	4
20	Other infectious & Parasitic Diseases	6B	5	1	0	0	3	1	1	2	3	2	2	2	3	1	7	4	10	7	1	4	1	0	36	24	60
	Sub total of Group 1		8	2	3	2	9	7	10	16	28	14	37	33	57	16	41	10	51	27	30	19	23	12	297	158	455

SURVEY OF CAUSES OF DEATHS SCHEME - 2017

Table No 16 - CLSSIFICATION OF CAUSE OF DEATHS BY AGE & SEX

S.N.	CAUSE OF DEATH	Code No.	0 - 1		1 - 4		5 - 14		15 - 24		25 - 34		35 - 44		45 - 54		55 - 64		65 - 74		75 - 84		85 +		Total		
			M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	Total
Group No.2: Cancer																											
21	Cancer of lips,mouth, tongue,& throat	1C	0	0	0	0	0	1	18	12	5	4	19	7	39	19	47	25	47	35	26	19	11	17	212	139	351
22	Cancer of Digestive Organs	2C	1	1	0	2	3	1	12	7	3	6	12	5	21	17	26	26	29	23	26	17	12	10	145	115	260
23	Cancer of Resppiratory & intrathoracic organs	3C	1	0	0	0	0	0	2	0	1	2	4	3	6	5	10	5	16	15	7	6	4	4	51	40	91
24	Cancer of Breast	4C	0	0	0	0	0	0	0	1	0	4	0	6	1	18	0	10	1	11	1	6	0	4	3	60	63
25	Cancer of bone & cartilage	5C	0	0	0	0	2	1	1	1	2	2	0	3	6	1	2	3	13	3	4	2	2	3	32	19	51
26	Cancer of female genital organs	6c	0	0	0	0	0	0	0	3	0	5	0	13	0	37	0	30	2	31	0	25	1	14	3	158	161
27	Cancer of male genital organs	7c	0	0	0	0	0	0	0	0	1	0	6	0	6	0	13	1	7	0	13	1	6	0	52	2	54
28	Cancer of urinary trac	8C	0	0	0	0	0	1	0	0	1	1	1	1	3	1	9	5	7	2	5	1	2	1	28	13	41
29	cancer of eye,brain,& other part of central nervous system	9C	0	0	3	0	0	2	1	0	3	1	3	2	5	4	8	6	9	10	3	4	3	1	38	30	68
30	Cancer of lymphoid	10C	1	1	3	0	1	1	0	2	3	2	4	5	3	0	5	0	6	7	3	0	1	4	30	22	52
31	Cancer of other organs	11c	0	0	1	1	1	2	1	1	2	3	8	15	24	22	24	23	28	25	20	9	5	6	114	107	221
	Sub total of Group 2		3	2	7	3	7	9	35	27	21	30	57	60	114	124	144	134	165	162	108	90	47	64	708	705	1413
Group No.3 : Diseases of the blood forming organs & certain disorders involving the immune mechanism																											
32	Anaemia - all types	1D	0	0	1	1	0	2	0	2	1	4	3	4	2	3	4	3	20	24	28	37	46	48	105	128	233
33	Coagulation defect	2D	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	1	3	2	2	2	1	0	7	6	13
34	Other diseases related to blood formation	3D	0	1	0	1	1	0	0	0	0	1	0	0	2	2	2	4	3	3	2	4	3	2	13	18	31
	Subtotal of Group 3		0	1	1	2	1	3	0	2	1	5	3	4	5	5	6	8	26	29	32	43	50	50	125	152	277
Group No.4 : Endocrine, Nutritional & metabolic diseases																											
35	Disorder of thyroid gland	1E	0	0	1	0	0	1	0	0	0	0	2	0	0	2	0	3	1	0	0	1	1	1	5	8	13
36	Diabetes Mellitus	2E	4	1	0	1	0	1	1	0	4	2	10	4	19	5	67	42	80	51	57	45	45	21	287	173	460
37	Diseases of other endocrine glands	3E	0	0	1	0	1	0	0	0	0	0	1	1	1	1	1	2	1	1	1	5	1	4	8	14	22
38	Malnutrition	4E	1	1	0	0	0	0	0	1	0	1	0	0	1	0	1	0	7	4	6	5	8	8	24	20	44
	Subtotal of Group 4		5	2	2	1	1	2	1	1	4	3	13	5	21	8	69	47	89	56	64	56	55	34	324	215	539

SURVEY OF CAUSES OF DEATHS SCHEME - 2017

Table No 16 - CLSSIFICATION OF CAUSE OF DEATHS BY AGE & SEX

S.N.	CAUSE OF DEATH	Code No.	0 - 1		1 - 4		5 - 14		15 - 24		25 - 34		35 - 44		45 - 54		55 - 64		65 - 74		75 - 84		85 +		Total		
			M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	Total
Group No. 5 : Mental & Behavioural Disorders																											
39	Mental & Behavioural disorder	1F	1	0	1	1	1	3	8	2	5	2	5	7	6	7	2	1	14	8	7	2	1	6	51	39	90
	Subtotal of Group 5		1	0	1	1	1	3	8	2	5	2	5	7	6	7	2	1	14	8	7	2	1	6	51	39	90
Group No.6 : Diseases of Nervous System																											
40	Encephalitis & Meningitis	1G	6	3	3	2	0	3	1	3	0	1	2	3	1	0	2	1	4	4	2	1	2	1	23	22	45
41	Epilepsy	2G	1	1	1	1	2	2	5	1	2	6	1	2	5	3	4	3	11	13	9	11	7	17	48	60	108
42	Hemiplegia	3G	0	0	0	0	0	1	5	4	5	5	19	13	40	23	126	73	247	193	328	213	248	253	1018	778	1796
43	Other diseases of nervous system	4G	3	0	0	0	3	0	4	1	2	1	5	4	7	4	12	12	24	22	37	11	17	19	114	74	188
	Subtotal of Group 6		10	4	4	3	5	6	15	9	9	13	27	22	53	30	144	89	286	232	376	236	274	290	1203	934	2137
Group No. 7: diseases of Eye & adnexa																											
44	Diseases of eye & adnexa	1H	0	0	0	0	0	0	1	0	1	0	0	1	0	1	1	2	0	0	2	0	4	0	9	4	13
	Sub total of Group 7		0	0	0	0	0	0	1	0	1	0	0	1	0	1	1	2	0	0	2	0	4	0	9	4	13
Group No. 8 : Diseases of ear & mastoid process																											
45	Diseases of ear & mastoid process	2H	0	1	0	0	0	0	0	1	1	0	1	0	1	0	2	1	0	2	0	1	2	1	7	7	14
	Sub total of Group 8		0	1	0	0	0	0	0	1	1	0	1	0	1	0	2	1	0	2	0	1	2	1	7	7	14
Group No.9 : Diseases of Circulatory System																											
46	Acute rheumatic fever & chronic heart disease	1I	0	2	0	0	2	1	0	1	2	0	5	1	5	3	6	6	12	13	25	15	28	17	85	59	144
47	Ischaemic heart diseases	2I	7	3	4	1	2	2	6	6	10	6	11	9	42	25	93	47	132	91	111	72	73	84	491	346	837
48	Other forms of heart diseases	3I	9	5	0	3	5	3	5	3	7	7	14	4	31	18	43	26	62	64	62	43	38	47	276	223	499
49	Cardiac Arrest	4I	3	1	4	3	6	4	19	17	45	29	121	58	251	131	415	221	671	458	566	431	397	373	2498	1726	4224
50	Congestive Cardiac failure	5I	1	1	0	0	1	3	1	0	6	4	7	3	16	5	29	16	36	21	29	24	29	28	155	105	260
51	Cerebral haemorrhage	6I	1	1	2	2	0	0	2	2	5	1	6	2	10	4	16	11	21	14	10	11	15	4	88	52	140
52	Other diseases related to heart	7I	3	3	1	1	0	0	3	1	2	1	8	1	9	9	21	14	32	19	39	27	30	27	148	103	251
	Sub total of Group 9		24	16	11	10	16	13	36	30	77	48	172	78	364	195	623	341	966	680	842	623	610	580	3741	2614	6355
Group No.10 : Diseases of Repiratory System																											
53	Pneumonia & Bronchitis	1J	18	19	7	8	3	1	2	0	2	5	4	4	8	7	10	5	11	15	21	15	29	22	115	101	216
54	Asthama	2J	1	1	1	2	0	1	4	4	11	9	25	8	53	31	168	122	505	491	623	630	627	679	2018	1978	3996
55	Other Diseases of	3J	0	7	0	0	0	0	0	0	4	1	6	1	7	4	21	13	37	26	48	54	51	52	174	158	332
	Subtotal of Group 10		19	27	8	10	3	2	6	4	17	15	35	13	68	42	199	140	553	532	692	699	707	753	2307	2237	4544

SURVEY OF CAUSES OF DEATHS SCHEME - 2017

Table No 16 - CLSSIFICATION OF CAUSE OF DEATHS BY AGE & SEX

S.N.	CAUSE OF DEATH	Code No.	0 - 1		1 - 4		5 - 14		15 - 24		25 - 34		35 - 44		45 - 54		55 - 64		65 - 74		75 - 84		85 +		Total		
			M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	Total
Group No.11: Diseases of Digestive System																											
56	Peptic Ulcer	1K	2	2	0	1	0	0	1	1	1	1	6	0	3	5	7	5	15	15	12	10	3	2	50	42	92
57	Appendicitis	2K	1	0	0	0	1	1	0	2	2	1	1	2	4	9	3	1	3	7	1	4	2	3	18	30	48
58	Hernia	3K	0	1	0	0	0	0	0	0	1	0	0	0	5	0	3	2	6	4	4	3	5	2	24	12	36
59	Liver cirrhosis,Alcoholic liver	4K	0	1	0	0	2	0	5	8	37	7	92	6	119	14	97	22	69	23	53	20	26	19	500	120	620
60	Diseases of gallbladder,biliary tract & pancreas	5K	0	0	0	0	0	0	0	0	1	0	5	3	4	2	9	2	9	8	3	2	5	6	36	23	59
61	Other diseases of Digestive System	6K	2	2	0	2	0	0	1	1	4	2	3	4	4	6	7	9	20	19	20	21	29	19	90	85	175
	Subtotal of Group 11		5	6	0	3	3	1	7	12	46	11	107	15	139	36	126	41	122	76	93	60	70	51	718	312	1030
GroupNo.12: Diseases of Skin & subcutaneous tissues																											
62	Diseases of skin & subcutaneous tissues	1L	0	0	0	0	0	0	1	0	0	1	1	1	2	1	1	2	2	4	0	2	2	2	9	13	22
	Subtotal of Group 12		0	0	0	0	0	0	1	0	0	1	1	1	2	1	1	2	2	4	0	2	2	2	9	13	22
Group No.13 : Diseases of musculoskeletal system & connective tissues																											
63	Diseases of Musculoskeletal System	1M	1	0	1	0	0	0	0	0	1	1	1	1	2	0	2	3	8	8	7	6	5	7	28	26	54
	Subtotal of Group 13		1	0	1	0	0	0	0	0	1	1	1	1	2	0	2	3	8	8	7	6	5	7	28	26	54
Group No. 14: Diseases of Genitourinary System																											
64	Acute renal failure	1N	4	2	2	3	2	1	2	4	6	5	15	8	31	17	32	20	38	33	34	22	22	16	188	131	319
65	Chronic renal failure	2N	1	0	1	1	3	1	4	2	8	3	19	10	43	20	34	22	59	35	36	18	41	19	249	131	380
66	Diseases of male genital organs	3N	0	0	1	0	0	0	0	0	2	0	3	0	1	0	8	0	6	1	4	0	5	0	30	1	31
67	Diseases of breast & female genital organs	4N	0	0	0	0	0	0	0	1	0	0	0	6	0	5	0	5	0	5	0	3	0	3	0	28	28
68	Other diseases of genitory system	5N	1	0	0	0	0	0	0	0	2	2	1	0	0	2	0	2	11	12	16	7	9	3	40	28	68
	Subtotal of Group 14		6	2	4	4	5	2	6	7	18	10	38	24	75	44	74	49	114	86	90	50	77	41	507	319	826

SURVEY OF CAUSES OF DEATHS SCHEME - 2017

Table No 16 - CLSSIFICATION OF CAUSE OF DEATHS BY AGE & SEX

S.N.	CAUSE OF DEATH	Code No.	0 - 1		1 - 4		5 - 14		15 - 24		25 - 34		35 - 44		45 - 54		55 - 64		65 - 74		75 - 84		85 +		Total			
			M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	Total	
Group No. 15 : Diseases related to pregnancy, child birth & Puerperium																												
69	Ectopic Pregnancy	1-O	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
70	Pregnancy with abortive outcome	2-O	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
71	Toxaemia of Pregnancy	3-O	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
72	Antepartum Haemorrhage	4-O	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73	Maternal disorders predominantaly related to Pregnancy	5-O	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
74	Complications of Labour	6-O	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
75	Intrapartum haemorrhage	7-O	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76	Obstetric trauma	8-O	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
77	Postpartum haemorrhage	9-O	0	0	0	0	0	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3
78	Puerperal sepsis	10-O	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79	T.B. complicating pregnancy, childbirth & pureperium	11-O	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80	Viral hepatitis complicating pregnancy childbirth & pureperium	12-O	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
81	Malaria complicating pregnancy childbirth & pureperium	13-O	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82	Other infectious & parasaitic complicating pregnancy child birth & pureperium	14-O	1	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	2	3
83	Anaemia related to pregnancy	15-O	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	
84	Other diseases related to pregnancy	16-O	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
	Subtotal of Group 15		2	1	0	0	0	0	0	6	0	4	0	1	0	0	0	0	0	0	1	0	0	0	3	12	15	

SURVEY OF CAUSES OF DEATHS SCHEME - 2017

Table No 16 - CLSSIFICATION OF CAUSE OF DEATHS BY AGE & SEX

S.N.	CAUSE OF DEATH	Code No.	0 - 1		1 - 4		5 - 14		15 - 24		25 - 34		35 - 44		45 - 54		55 - 64		65 - 74		75 - 84		85 +		Total		
			M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	Total
Group No.16 : Certain conditions originating in the perinatal period																											
85	Fetus & new born affected by maternal factors & by complication of pregnancy, labour & delivery	1P	3	5	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	5	9
86	Intrauterine growth retardation	2P	8	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	6	14
87	Conditions related to premature & L.B.W. baby	3P	151	104	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	152	105	257
88	Birth trauma	4P	14	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	6	20
89	Intrauterine hypoxia & birth asphyxia	5P	35	44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35	44	79
90	Neonatal Aspiration syndrome	6P	30	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	22	52
91	Infections specific to the perinatal period	7P	5	4	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	6	4	10
92	Haemorrhagic & Haematological Disorders of fetus & newborn	8P	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	4
93	Hypothermia	9P	5	9	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	10	15
94	Convulsions	10P	15	7	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	7	23
95	Other diseases of infant related to perinatal & neonatal period	11P	29	24	7	8	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	32	69
	Subtotal of Group 16		299	231	8	10	2	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	311	241	552
Group No. 17: Congenital malformations deformations & chromosomol abnormalities																											
96	Congenital malformations, deformations & chromosomal	1Q	8	16	2	2	3	0	1	1	0	1	2	0	0	1	0	0	2	1	0	2	1	1	19	25	44
	Subtotal of group 17		8	16	2	2	3	0	1	1	0	1	2	0	0	1	0	0	2	1	0	2	1	1	19	25	44
Group No.18 : Symptoms & signs in case of undiagnosed conditions																											
97	Symptoms & signs in case of undiagnosed condition	1R	4	8	0	1	3	1	4	4	3	2	3	2	5	3	6	5	18	16	42	25	58	71	146	138	284
	Subtotal of group No.18		4	8	0	1	3	1	4	4	3	2	3	2	5	3	6	5	18	16	42	25	58	71	146	138	284

SURVEY OF CAUSES OF DEATHS SCHEME - 2017

Table No 16 - CLSSIFICATION OF CAUSE OF DEATHS BY AGE & SEX

S.N.	CAUSE OF DEATH	Code No.	0 - 1		1 - 4		5 - 14		15 - 24		25 - 34		35 - 44		45 - 54		55 - 64		65 - 74		75 - 84		85 +		Total		
			M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	Total
Group No. 19 : Injury , poisoning & certain other consequences of external causes																											
98	Accidental injuries	1S	3	2	6	4	9	10	87	28	98	24	95	29	97	34	64	29	48	35	27	30	8	13	542	238	780
99	Accidental burns	1T	0	3	0	2	4	2	2	4	5	12	9	5	4	7	5	10	4	5	5	5	1	2	39	57	96
100	Frostbite	2T	1	0	0	0	1	0	0	0	0	0	0	1	1	0	0	0	0	0	1	1	0	0	4	2	6
101	Accidental poisoning	3T	0	0	0	0	1	0	8	5	6	0	6	4	3	2	6	1	5	2	2	2	0	1	37	17	54
102	Snake bite	4T	1	0	2	0	6	1	1	10	4	4	3	6	5	5	8	3	7	4	2	1	1	1	40	35	75
103	Effect of heat & light	5T	0	0	0	1	0	0	2	0	0	0	0	1	0	0	2	1	0	1	2	2	0	1	6	7	13
104	Asphyxia	6T	2	4	1	1	0	0	0	0	1	1	2	1	1	1	3	1	0	1	0	0	3	1	13	11	24
105	Accidental drowning	7T	1	2	7	6	13	5	24	9	14	6	10	6	12	9	10	5	8	0	4	6	3	6	106	60	166
106	Exposure to electric	1W	0	0	2	0	5	2	3	2	10	6	11	5	7	2	3	2	2	2	1	2	0	1	44	24	68
107	Scorpion bites	1X	0	1	0	0	1	0	0	0	2	1	1	0	1	0	0	0	1	2	0	0	0	0	6	4	10
108	Victim of lighting	2X	0	0	0	0	0	0	0	1	3	1	1	2	1	0	1	0	2	2	2	2	1	1	11	9	20
109	Suicide	3X	0	0	0	0	4	3	52	50	104	33	98	30	71	21	38	11	33	17	19	3	5	0	424	168	592
110	Homicide	4X	0	0	0	2	0	0	6	0	6	3	4	3	1	2	3	1	2	1	1	0	0	3	23	15	38
111	Other diseases of Accidents & injuries & poisoning	5X	1	3	2	2	2	3	6	5	15	8	16	7	11	9	22	8	47	41	43	54	61	72	226	212	438
	Subtotal of group No.19		9	15	20	18	46	26	191	114	268	99	256	100	215	92	165	72	159	113	109	108	83	102	1521	859	2380
	Total		404	334	72	70	105	75	323	236	500	259	758	367	1127	605	1606	945	2575	2032	2495	2022	2069	2065	12034	9010	21044

INFANT MORTALITY ANALYSIS

- Top Ten killer Diseases of Infants
- Top Five Killer Diseases of Early Neonate
- Top Five Killer Diseases of Late Neonate
- Top Five Killer Diseases of Post Neonate
- Infant Deaths by age, sex & causes

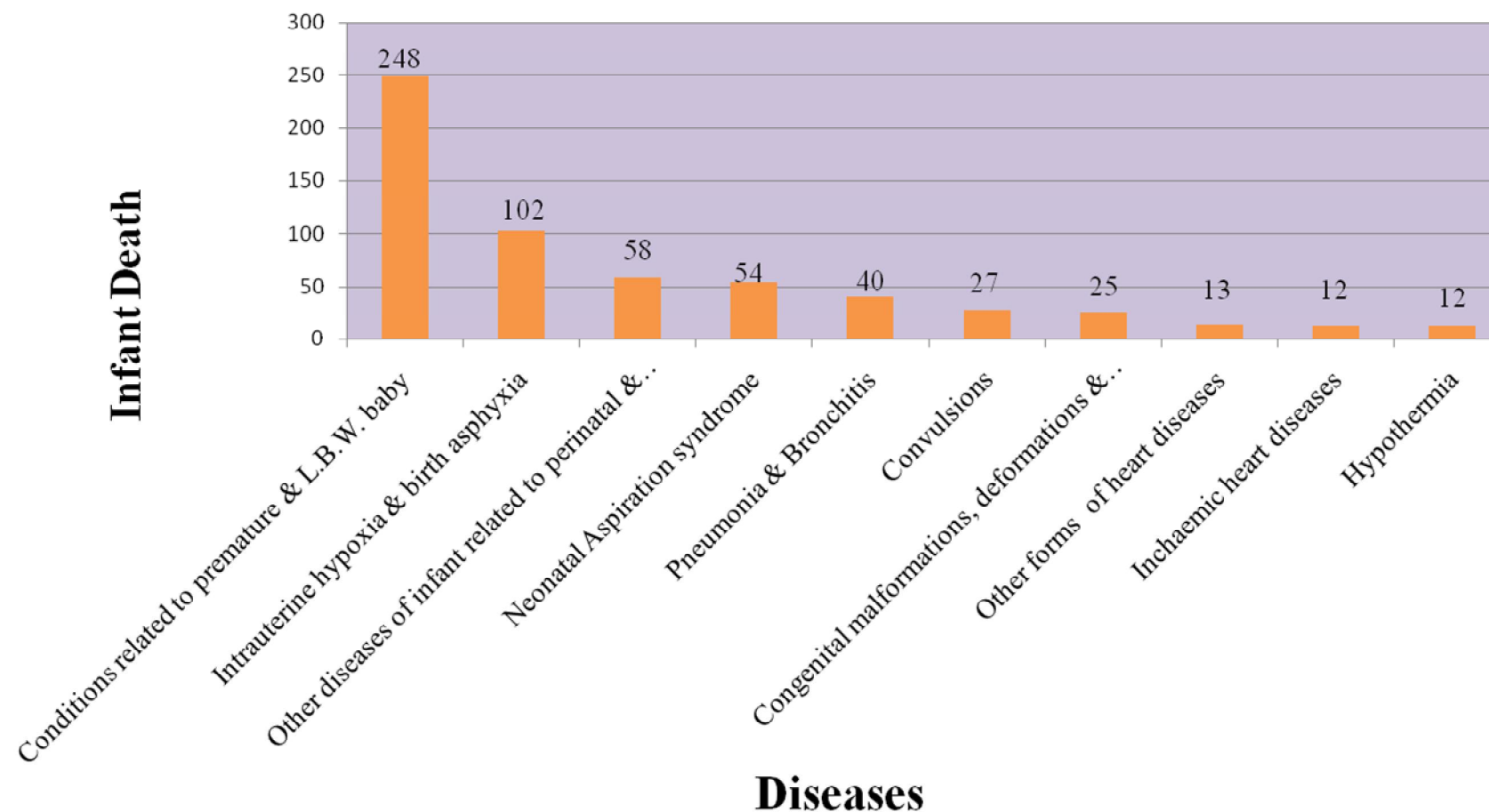
Survey of Causes of Deaths Scheme (Rural) - 2017

Table No 17 -Top Ten Killer Diseases of Infant Deaths

S.N.	Disease	Code No	Male	Female	Total	% to total Infant Deaths 738
1	Conditions related to premature & L.B.W. baby	3P	143	105	248	34
2	Intrauterine hypoxia & birth asphyxia	5P	52	50	102	14
3	Other diseases of infant related to perinatal & neonatal period	11P	36	22	58	8
4	Neonatal Aspiration syndrome	6P	30	24	54	7
5	Pneumonia & Bronchitis	1J	18	22	40	5
6	Convulsions	10P	16	11	27	4
7	Congenital malformations, deformations & chromosomal abnormalities	1Q	8	17	25	3
8	Other forms of heart Diseases	3I	7	6	13	2
9	Ischaemic Heart diseases	2I	9	3	12	2
10	Hypothermia	9P	5	7	12	2

SURVEY OF CAUSES OF DEATHS RURAL)-2017

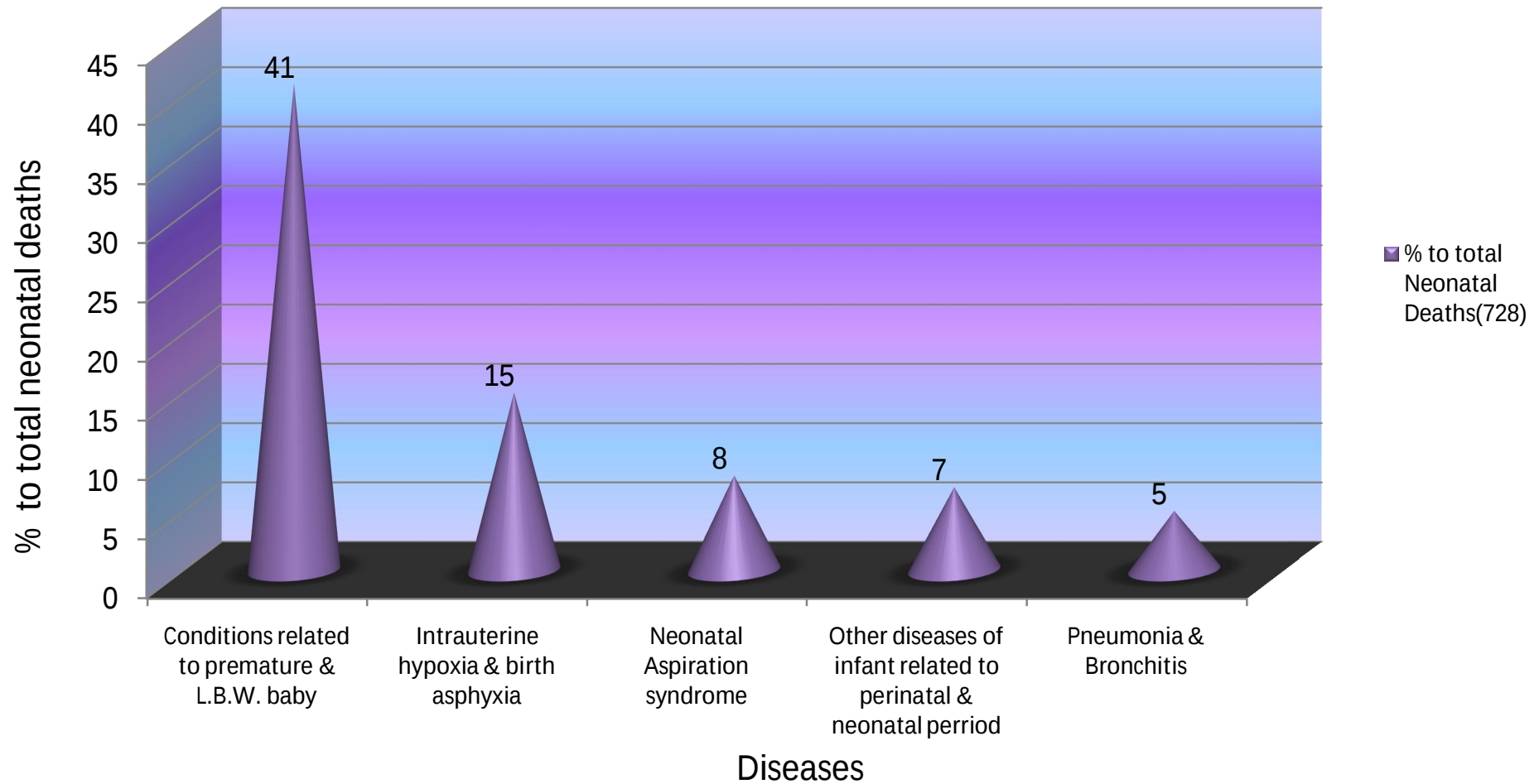
Top Ten Killer Diseases of Infant Deaths



Survey of Causes of Deaths Scheme (Rural) - 2017
Table 18 - Major Killer Diseases of Neonatal Group (0-28 days)

S.N.	Disease	Code No	Male	Female	Total	% to total Neonatal Deaths 521	% to total Infant Deaths 738
1	Conditions related to premature & L.B.W. baby	3P	124	88	212	41	29
2	Intrauterine hypoxia & birth asphyxia	5P	40	38	78	15	11
3	Neonatal Aspiration syndrome	6P	24	16	40	8	5
4	Other diseases of infant related to perinatal & neonatal period	11P	23	14	37	7	5
5	Pneumonia & Bronchitis	1J	14	10	24	5	3

SURVEY OF CAUSES OF DEATHS (RURAL) - 2017
% Major Killer Diseases of Neonatal Group(0-28 days)



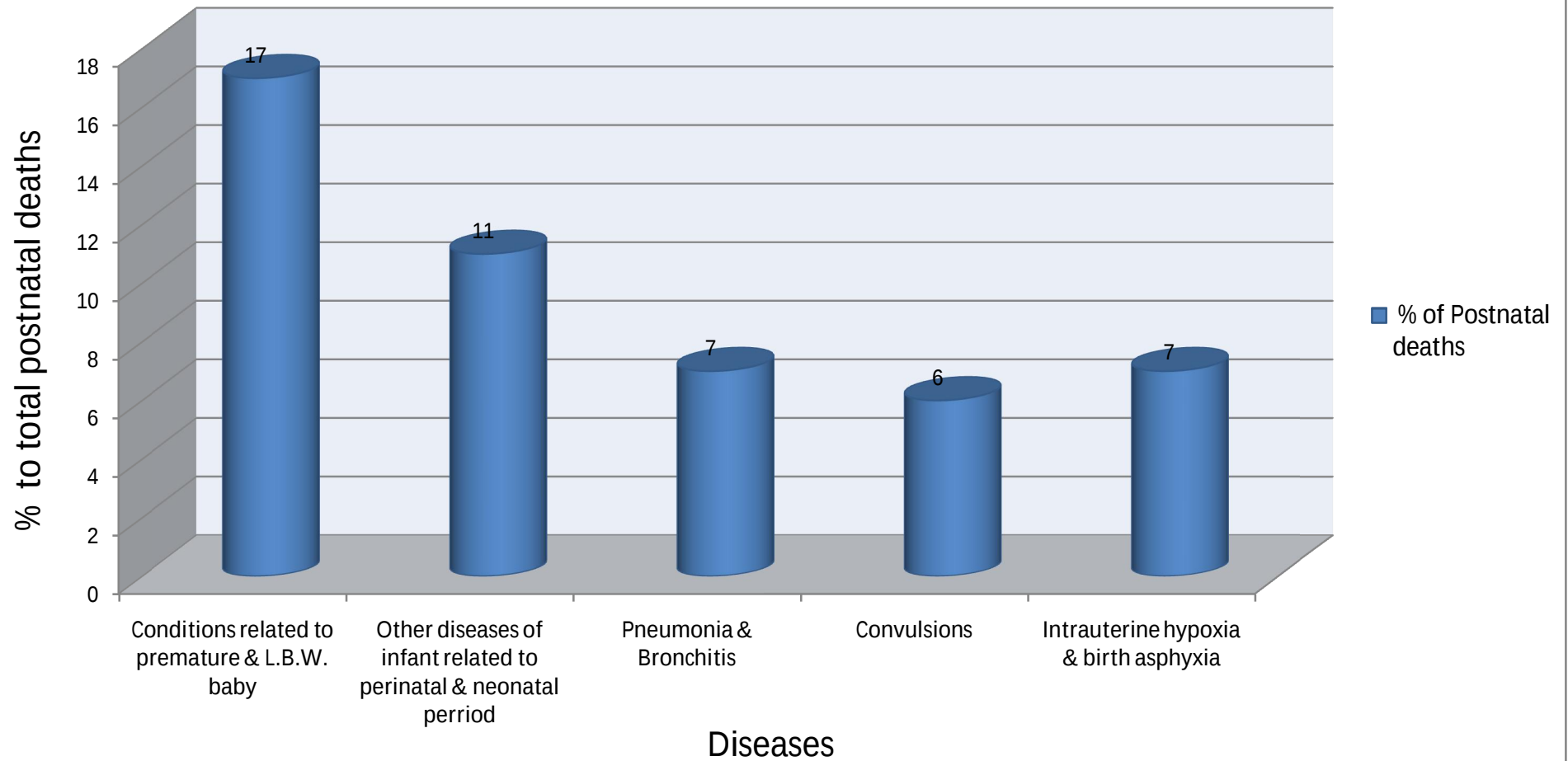
Survey of Causes of Deaths Scheme (Rural) - 2017

Table 19 - Major Killer Diseases of Postnatal Group (29 days-up to 1 yr.)

S.N.	Disease	Code No	Male	Female	Total	% to total Postnatal Deaths 214	% to total Infant Deaths 738
1	Conditions related to premature & L.B.W. baby	3P	19	17	36	17	5
2	Other diseases of infant related to perinatal & neonatal perriod	11P	12	12	24	11	3
3	Pneumonia & Bronchitis	1J	4	12	16	7	2
4	Convulsions	10P	3	9	12	6	2
5	Intrauterine hypoxia & birth asphyxia	5P	6	8	14	7	2

SCD(R)- 2017

% Major Killer Diseases of Postnatal Group (29 days- up to 1yrs)



SURVEY OF CAUSES OF DEATHS SCHEME (RURAL)- 2017

Table No - 20

Sr No	CAUSE OF DEATH	Code No.	0 - 7 days		8 - 28 days		29 - 1 year		Total Infant Deaths		
			M	F	M	F	M	F	M	F	Total
Group No. 1 : Infectious & Parasitic diseases											
1	Cholera	1A	0	0	0	0	0	0	0	0	0
2	Typhoid & Paratyphoid	2A	0	0	0	0	0	0	0	0	0
3	Dysentery	3A	0	0	0	0	0	0	0	0	0
4	Diarrhoeal Diseases & Gastroenteritis	4A	0	0	0	0	0	0	0	0	0
5	Pulmonary Tuberculosis	5A	0	0	0	0	0	0	0	0	0
6	Extra Pul. T.B.	6A	0	0	0	0	0	0	0	0	0
7	Plague	7A	0	0	0	0	0	0	0	0	0
8	Leprosy	8A	0	0	0	0	0	0	0	0	0
9	Tetanus	9A	0	0	0	0	0	0	0	0	0
10	Diphtheria	10A	0	0	0	0	0	0	0	0	0
11	Pertussis	11A	0	0	0	0	0	0	0	0	0
12	Acute poliomyelitis	12A	0	0	0	0	0	0	0	0	0
13	Rabies	13A	0	0	0	0	0	0	0	0	0
14	Dengue	14A	0	0	0	0	0	0	0	0	0
15	Chickenpox	1B	0	0	0	0	0	0	0	0	0
16	Measles	2B	0	0	0	0	0	0	0	0	0
17	Viral hepatitis	3B	1	0	1	0	1	1	3	1	4
18	H.I.V.	4B	0	0	0	0	0	0	0	0	0
19	Malaria	5B	0	0	0	0	0	0	0	0	0
20	Other infectious & Parasitic Diseases	6B	1	2	1	0	3	0	5	1	6
	Sub total of Group 1		2	2	2	0	4	1	8	2	10

Sr No	CAUSE OF DEATH	Code No.	0 - 7 days		8 - 28 days		29 - 1 year		Total Infant Deaths		
			M	F	M	F	M	F	M	F	Total
Group No.6 : Diseases of Nervous System											
40	Encephalitis & Meningitis	1G	2	1	0	0	3	1	5	2	7
41	Epilepsy	2G	0	0	0	0	0	0	0	0	0
42	Hemiplegia	3G	0	0	0	0	0	0	0	0	0
43	Other diseases of nervous system	4G	0	0	0	0	3	0	3	0	3
	Subtotal of Group 6		2	1	0	0	6	1	8	2	10
Group No. 7: diseases of Eye & adnexa											
44	Diseases of eye & adnexa	1H	0	0	0	0	0	0	0	0	0
	Sub total of Group 7		0	0	0	0	0	0	0	0	0
Group No. 8 : Diseases of ear & mastoid process											
45	Diseases of ear & mastoid process	2H	0	0	0	0	0	1	0	1	1
	Sub total of Group 8		0	0	0	0	0	1	0	1	1
Group No.9 : Diseases of Circulatory System											
46	Acute rheumatic fever & chronic heart disease	1I	0	1	0	1	1	0	1	2	3
47	Ischaemic heart diseases	2I	2	2	3	0	4	1	9	3	12
48	Other forms of heart diseases	3I	1	0	1	1	5	5	7	6	13
49	Cardiac Arrest	4I	1	1	0	0	1	0	2	1	3
50	Congestive Cardiac failure	5I	1	0	0	1	0	0	1	1	2
51	Cerebral haemorrhage	6I	0	1	0	0	0	1	0	2	2
52	Other diseases related to heart	7I	2	0	0	1	1	2	3	3	6
	Sub total of Group 9		7	5	4	4	12	9	23	18	41
Group No.10 : Diseases of Repiratory System											
53	Pneumonia & Bronchitis	1J	10	3	4	7	4	11	18	21	39
54	Asthama	2J	0	1	0	0	0	0	0	1	1
55	Other Diseases of Respiratory System	3J	0	2	0	2	0	3	0	7	7
	Subtotal of Group 10		10	6	4	9	4	14	18	29	47

[illegible]

Sr No	CAUSE OF DEATH	Code No.	0 - 7 days		8 - 28 days		29 - 1 year		Total Infant Deaths		
			M	F	M	F	M	F	M	F	Total
78	Puerperal sepsis	10-O	0	0	0	0	1	1	1	1	2
79	T.B. complicating pregnancy, childbirth & pureperium	11-O	0	0	0	0	0	0	0	0	0
80	Viral hepatitis complicating pregnancy childbirth & pureperium	12-O	0	0	0	0	0	0	0	0	0
81	Malaria complicating pregnancy childbirth & pureperium	13-O	0	0	0	0	0	0	0	0	0
82	Other infectious & parasaitic complicating pregnancy child birth & pureperium	14-O	1	0	0	0	0	0	1	0	1
83	Anaemia related to pregnancy	15-O	0	0	0	0	0	0	0	0	0
84	Other diseases related to pregnancy	16-O	0	0	0	0	0	0	0	0	0
	Subtotal of Group 15		1	1	0	0	1	1	2	2	4
Group No.16 : Certain conditions originating in the perinatal period											
85	Fetus & new born affected by maternal factors & by complication of pregnancy, labour & delivery	1P	3	2	1	1	0	2	4	5	9
86	Intrauterine growth retardation	2P	4	2	2	0	0	0	6	2	8
87	Conditions related to premature & L.B.W. baby	3P	94	52	30	34	19	17	143	103	246
88	Birth trauma	4P	1	4	1	0	1	4	3	8	11
89	Intrauterine hypoxia & birth asphyxia	5P	36	25	3	13	12	12	51	50	101
90	Neonatal Aspiration syndrome	6P	14	7	10	8	6	8	30	23	53
91	Infections specific to the perinatal period	7P	2	1	2	0	1	1	5	2	7
92	Haemorrhagic & Haematological Disorders of fetus & newborn	8P	1	0	3	0	2	0	6	0	6
93	Hypothermia	9P	4	3	0	2	1	2	5	7	12
94	Convulsions	10P	3	5	4	3	8	3	15	11	26
95	Other diseases of infant related to perinatal & neonatal period	11P	11	5	12	8	12	8	35	21	56
	Subtotal of Group 16		173	106	68	69	62	57	303	232	535

Sr No	CAUSE OF DEATH	Code No.	0 - 7 days		8 - 28 days		29 - 1 year		Total Infant Deaths		
			M	F	M	F	M	F	M	F	Total
Group No. 17: Congenital malformations deformations & chromosomol abnormalities											
96	Congenital malformations, deformations & chromosomal abnormalities	1Q	5	4	0	4	3	9	8	17	25
	Subtotal of group 17		5	4	0	4	3	9	8	17	25
Group No.18 : Symptoms & signs in case of undiagnosed conditions											
97	Symptoms & signs in case of undiagnosed condition	1R	0	2	3	2	0	4	3	8	11
	Subtotal of group No.18		0	2	3	2	0	4	3	8	11
Group No. 19 : Injury , poisoning & certain other consequences of external causes											
98	Accidental injuries	1S	0	1	0	0	3	1	3	2	5
99	Accidental burns	1T	0	0	0	0	0	0	0	0	0
100	Frostbite	2T	0	0	0	0	1	0	1	0	1
101	Accidental poisoning	3T	0	0	0	0	0	0	0	0	0
102	Snake bite	4T	0	0	0	0	0	0	0	0	0
103	Effect of heat & light	5T	0	0	0	0	0	0	0	0	0
104	Asphyxia	6T	0	1	0	1	3	2	3	4	7
105	Accidental drowning	7T	0	0	0	0	0	2	0	2	2
106	Exposure to electric current	1W	0	0	0	0	0	0	0	0	0
107	Scorpion bites	1X	0	0	0	0	0	1	0	1	1
108	Victim of lighting	2X	0	0	0	0	0	0	0	0	0
109	Suicide	3X	0	0	0	0	0	0	0	0	0
110	Homicide	4X	0	0	0	0	0	0	0	0	0
111	Other diseases of Acciodents & injuries & poisoning	5X	0	0	0	0	0	2	0	2	3
	Subtotal of group No.19		0	2	0	1	7	8	7	11	19
	Grand Total		205	136	90	90	104	110	399	335	738

Reporting Formats

eR;P;k dkj.kkp l o{k.k (xkeh.k) ;k t uk

i | k | e | “v” (t | l | e)

[illegible][illegible]

;k i^hkee/; iR;d ftoR t^hue (Live Birth) o mi t^h eR; (eR t^hue) (Still Birth) ;kph ekfgrh Hkjkoh-

o|dh; vf/kdkjh
ikFkfed vkjkk; dnn

eR;P;k dkj.kkp lo{k.k (xkeh.k) ;ktuk

ikhe ‘ब’ eR;l

xkokp uko ikFkfed vkjX; dn rkydk ftYgk ekg

eR;pk v-d-	?kjfugk; jfgok'kp;k ekfgrhe/khy ;k dvckp;k ?kjkpk eyfj;k dekd	er 0;Drhp il.W uko	eR;pk fnukd (fnoI] ekg o o"n fygka)	fyx (i-\$ L_kh)	eR;P;k oGh erkp il.W o;	eR;l nok[kkU;kr vxj ?kjh >kryk	eR;p fBdk.k (xkokp uko)	xkeipk;r jftLVj e/khy ukn.kh d- o fnukd	eR;P;k dkj.kkph ekfgrh	"hjk
1	2	3	4	5	6	7	8	9	10	11

oI dh; vf/kdkjh
ikFkfed vkjX; dn

eR;P;k dkj.kkp l o{k.k (xkfe.k) ;k t uk

i Qke| “d” & eR;|p dkj.k

ekg

xko

rkydk

o"K

ikFkfed vkjX; dn

ftYgk

1) er 0;Drhp uko %

2) o;%

3) fyx %

4) eR;pk fnukd %

5) eR;p fBdk.k %

(nok[kkuk \$?kj)

6)% (1) eR;p dkj.k ;kioh , [kk|k o|dh; 0;Drhu fuf'pr dy v lY;k l R;kul kj

uen djko

fdok

6)% (2) eR;p dkj.k fuf'pr dy ulY;k l fiQYM , tVuh er 0;DrhP;k ?kjk l HkV

nmQu (vat) r_kkpk okij djQu lfoLrj ekfgrh xkGk djkoh- T;k;kx o|dh;

vf/kdkjh ;kuk l Hkk0; eR;p dkj.k fuf'pr dj.k 'kD; gkby- R;k l k Bh fdeku

[kkyhy ekfgrh uen dj.k c/kudkj d vkg-

6(2) v % er 0;Drhph eR;|io fLFkrh

6(2) c % er 0;Drhph eR;|io y{k.k

6(2) d % er 0;DrhP;k vktkj\$bt pk dkyko/kh

6(2) M % bt k\$_kk l gk.kkj k 'kjh j kpk Hkx

brj ijd ekfgrh

6(3) o-v- ;kuh fuf'pr dyy eR;p dkj.k

6(4) eR;P;k dkj.kkp dkM ucj

o|dh; vf/kdk` ;kph Lok{kjh

ik-vk-dn

fnukd