

Preface

The Registrar General of India has discontinued the Survey of Causes of Deaths Scheme at national level in the year 1997. Maharashtra State has not only continued the implementation of this scheme but also strengthened & expanded it.

It is credible on the part of State Bureau of (H.I.&V.S.) for their continuous, systematic & sincere efforts to collect & compile the data received from rural area. This Publication of Survey of Causes of Deaths Scheme highlights the district wise vital rates of tribal & non tribal population, & valuable classification related to mortality statistics. The separate analysis of Infant mortality will give some important clues to the readers, officers & health planners & be useful to a greater extent.

I would like to express my appreciation to Dr. H.H. Chavan, Deputy Director (H.I.V.S.) Bureau for timely bringing out the Annual Report of Survey of Causes of Deaths Scheme (Rural) .

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Foreword

It gives me immense pleasure while publishing annual report on" Survey of Causes of Deaths Scheme in rural area" for the year 2011.

This publication provides a wide range of fertility & Mortality Analysis, based on the reports received from the selected villages.

I take the opportunity to thank to all Statistical officers of this bureau for maintaining the continuity & taking efforts to bring out this publication

I hope that, this publication will be useful to readers & all concerned. The suggestions for improvement of the Scheme & publication are most welcome.

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Survey of Causes of Deaths Scheme (Rural)

Index

S.N.	Subject	Page no.	
		From	To
1	Preamble	1	5
2	Limitations of the Scheme	6	6
2	Definitions & Formulas, Abbreviations	7	11
3	Coverage of the Scheme	12	19
4	Rates & Ratios	20	27
5	Management Information System	28	30
6	Fertility Analysis	31	41
7	Mortality Analysis	42	55
8	Infant Mortality Analysis	56	70



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, State of Maharashtra has decided to continue the scheme in the Maharashtra.

Present status of the Scheme

- : Recently the Scheme has been implemented in one of the village from each P.H.C. instead of PHC HQ village
- : One village from each P.H.C. of the State has been covered under the scheme.
- : The lists of classification of the diseases have been

modified based on ICD-10. Now the frame of 109 diseases through 19 major groups have been made available to the M.O. P.H.C. to select the cause of death, based on "Lay-man diagnosis reporting".

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) method through post death enquiry based on sign & symptoms, condition, duration & anatomical site of the disease of the deceased person reported by family members .
- : To collect the data on fertility along with the mortality information & examine the status of fertility.
- : To produce district wise all fertility & mortality rates based on information collected under the Scheme.

- : Evaluation of Civil Registration System.

- **Coverage**

- Presently in the State, the scheme is being implemented in 1813 villages, which are randomly selected among the 33 districts. The scheme has covered 37,48,898 lakh rural Population out of which 5,76,813 is tribal population.

- **Implementation**

- : The Para medical staff (ANM & MPW) working in the selected village are the important root level workers called as Field Agents. The field agents are expected to keep 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, collect the information on sign & symptoms, disease, duration of the disease of the deceased, by applying their experience & skill in providing health services. The data collected under the scheme is according to De jure method.

- : Field agents are expected to submit the collected information in the prescribed format to the M.O. PHC 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 is to be conducted to detect the omissions if any, by field recorder
- : M.O.PHC is expected to verify all cause of death forms ("C form"). Based on sign & symptoms mentioned by the field agent, he is supposed to write the probable cause of death, with the help of classification of diseases made available to him. In case of institutional deaths, the MO should write down the same cause of death, as per the cause mentioned by private practitioner.
- : M.O. is also responsible for the development of technique & update knowledge of field agent 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.
- : 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 rate & publish in the State Annual Report for the Scheme.

Limitations of the Scheme

1.1 : Coverage of the scheme is related to Rural area only.

1.2 : Statistical inferences are purely based on the Monthly reports submitted by district level.

1.3 : Recording of signs & symptoms collected by field agent is according to his technical knowledge & Communication skill.

1.4 : The reliability of information of signs & symptoms at the time of death given by the family members depends upon respondent's efficiency in describing the signs & symptoms, condition of the deceased.

1.5 : 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.

1.6 : Accuracy of cause of death & sustainability of perfect reporting is key point in successful implementation of the program.

1.7 : Fluctuations in data as year-to-year & district-to-district can be noticed due to inadequate sample size.

1.8 A frequent change of M.O. P.H.C.s due to transfer & new appointments affects the sustainability of the scheme, particularly in the interpretation of accuracy of Causes of deaths.

Definations

- **Crude Birth Rate**

It is the simplest measures of fertility, expressing number of live births per thousand persons in the population during the given year & for given region.

- **Total fertility Rate**

It is hypothetical measures giving 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.

- **Crude death Rates**

It is the simplest measure of mortality, expressing number of deaths taking place within a given year, per 1000 population of the given region.

- **Infant death**

This gives us the information, how much new born die before completion of one year age. This rate is expressing as, number of infant deaths per thousand live births, in a given year & for given region.

- **Early neonatal deaths**

A death of new born taking place within 7 days after birth, called early neonatal death.

- **Late neonatal death**

A death of new born taking place within 28 days after birth.

- **Post neonatal death**

A death of new born taking place above 28 days & before completion of one year after birth.

- **Maternal death**

A death of female of age group (15 – 49), occurring due to pregnancy, delivery, or during puerperium i.e. six weeks after delivery called as maternal death.

Formulas

S.N.	Rates	Formula
1	Crude Birth Rate	$\frac{\text{No. of live births}}{\text{population}} * 1000$
2	Still birth Rate	$\frac{\text{No. of still births}}{\text{Live births} + \text{Still births}} * 1000$
3	General fertility rate	$\frac{\text{No. of live births}}{\text{Female pop. Of (15-49)}} * 1000$
4	Age specific fertility rate	$\frac{\text{No. of live births given by Any specific age group}}{\text{Female pop. Of specific Age group}} * 1000$
5	Total fertility rate	$\frac{\text{Sum of A.S.F.R.}}{1000} * 5$
6	Gross reproductive rate	$\frac{\text{No. female births}}{\text{No. of total births}} * \text{T.F.R.}$

7	Sex Ratio at birth	$\frac{\text{No. of females}}{\text{No. of male}} * 1000 \text{ or } 100$
S.N.	Rates	Formula
8	Crude Death Rate	$\frac{\text{No. of Deaths}}{\text{population}} * 1000$
9	Infant mortality rate	$\frac{\text{No. of Infant deaths}}{\text{Live births}} * 1000$
10	Early neonatal mortality rate	$\frac{\text{No. of infant deaths Within 7 days after birth}}{\text{No. of live births}} * 1000$
11	Late neonatal mortality rate	$\frac{\text{No. of infant deaths Within 8 - 28 days after birth}}{\text{No. of live births}} * 1000$
12	Neonatal mortality rate	$\frac{\text{No. of infant deaths Within 28 days after birth}}{\text{No. of live births}} * 1000$
13	Post neonatal mortality rate	$\frac{\text{No. of infant deaths 28 days – up to one year after birth}}{\text{No. of live births}} * 1000$
14	Perinatal mortality rate	$\frac{\text{Infant deaths within 7 days + still births}}{\text{Total live births + Still births}} * 1000$
15	Maternal mortality ratio	$\frac{\text{No. of maternal deaths}}{\text{Total live births}} * 100000$

Abbreviations

1) S.B.H.I. & V.S.	State Bureau Of Health Intelligence & Vital Statistics
2) S.C.D.	Survey Of Causes Of death Scheme
3) P.H.C.	Primary Health Canter
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 Reproductive 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.N.M.R.	Neonatal Mortality Rate
16) P.N.M.R.	Post Natal Mortality Rate
17) I.M.R.	Infant Mortality Rate
18) C.M.R.	Child 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) I.T.D.P.	Integrated Tribal Development Plan

Coverage

Survey of Causes of Deaths Scheme (Rural) - 2011

Number of PHCs and Villages selected

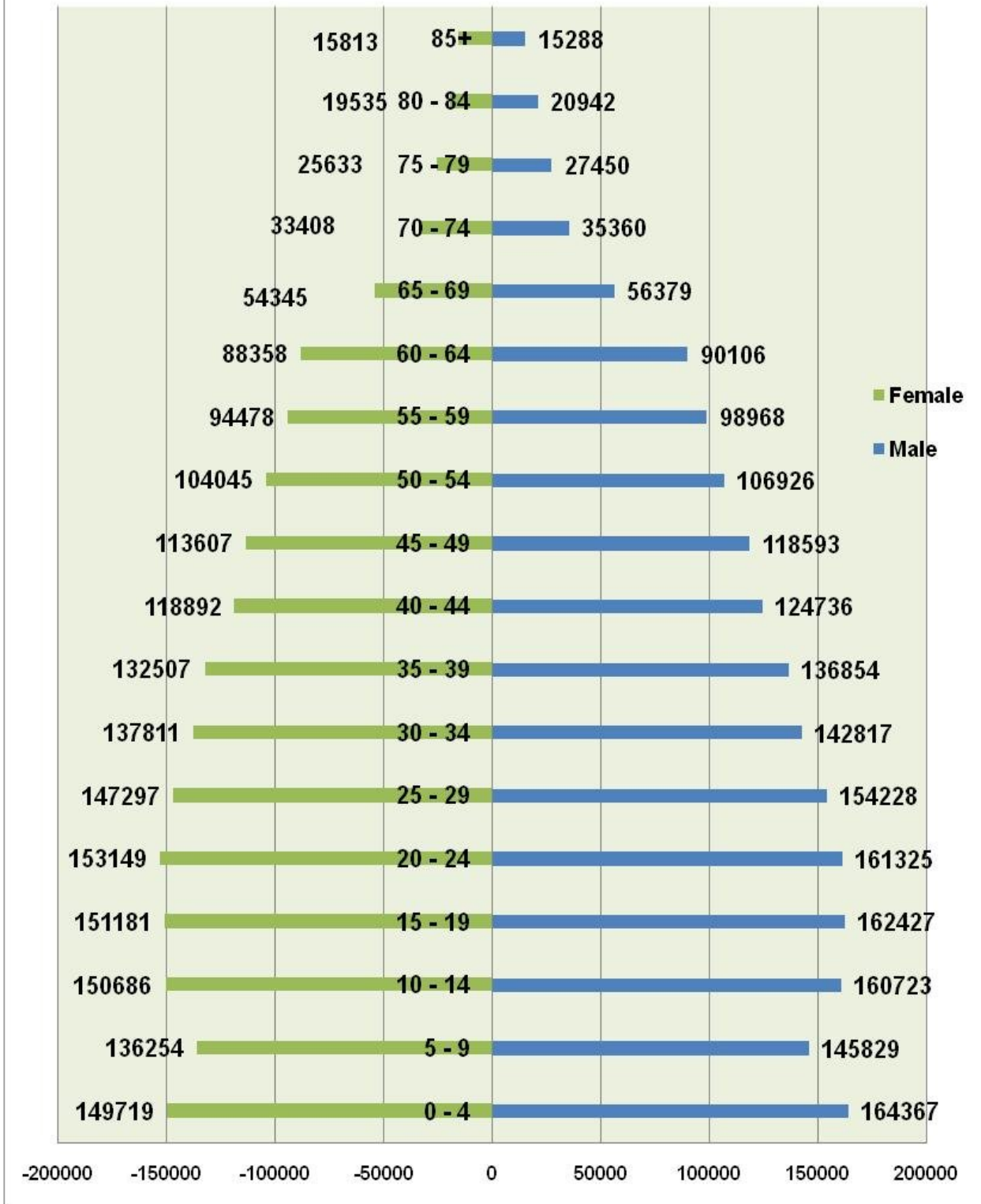
S.N.	District	No. of sanction PHCs			No. of functioning PHCs			Villages selected			Population Covered		
		Tribal	Non tribal	Total	Tribal	Non tribal	Total	Tribal	Non tribal	Total	Tribal	Non tribal	Total
1	Raigad	3	52	55	3	50	53	3	50	53	2025	69397	71422
2	Ratnagiri	0	67	67	0	67	67	0	71	71		90716	90716
3	Thane	53	26	79	52	25	77	52	25	77	80747	67075	147822
4	Sindhudurg	0	38	38	0	38	38	0	38	38		69732	69732
5	A'Nagar	10	86	96	10	86	96	10	86	96	11884	201167	213051
6	Dhule	14	27	41	14	27	41	14	27	41	35068	78084	113152
7	Nandurbar	56	2	58	56	2	58	56	2	58	103802	5312	109114
8	Jalgaon	2	75	77	2	75	77	2	75	77	10268	145101	155369
9	Nashik	53	53	106	52	51	103	52	51	103	152450	101106	253556
10	Pune	8	88	96	8	88	96	8	88	96	6503	160117	166620
11	Satara	0	71	71	0	71	71	0	71	71	0	129927	129927
12	Solapur	0	77	77	0	77	77	0	77	77	0	175516	175516
13	Kolhapur	0	73	73	0	72	72	0	72	72	0	180540	180540
14	Sangli	0	59	59	0	59	59	0	59	59	0	171831	171831
15	Aurangabad	0	50	50	0	50	50	0	50	50	0	101829	101829
16	Jalana	0	40	40	0	40	40	0	40	40	0	103231	103231
17	Parbhani	0	31	31	0	31	31	0	31	31	0	71179	71179
18	Hingoli	0	24	24	0	24	24	0	24	24	0	56942	56942
19	Latur	0	46	46	0	46	46	0	46	46	0	126675	126675
20	Beed	0	50	50	0	50	50	0	50	50	0	96549	96549
21	Nanded	15	49	64	14	49	63	14	49	63	25402	121332	146734
22	Osmanabad	0	42	42	0	42	42	0	42	42	0	73845	73845
23	Akola	0	30	30	0	30	30	0	31	31	0	86013	86013
24	Washim	0	25	25	0	25	25	0	25	25	0	55299	55299
25	Amrawati	11	45	56	11	45	56	11	45	56	13418	113765	127183
26	Buldhana	0	52	52	0	52	52	0	52	52	0	125177	125177
27	Yavatmal	19	44	63	19	44	63	19	44	63	26287	82601	108888
28	Bhandara	0	33	33	0	33	33	0	33	33	0	79512	79512
29	Gondia	19	20	39	19	20	39	19	20	39	31636	45360	76996
30	Chandrapur	8	50	58	8	50	58	8	50	58	30492	60973	91465
31	Gadchiroli	45	0	45	45	0	45	45	0	45	41217	0	41217
32	Nagpur	4	45	49	4	45	49	4	45	49	5614	82929	88543
33	Wardha	0	27	27	0	27	27	0	27	27	0	43253	43253
	Total	320	1497	1817	317	1491	1808	317	1496	1813	576813	3172085	3748898

Survey of Causes of Deaths Scheme (Rural) - 2011
No. of Villages according to Population Group

Statement No.1B Total

S.N.	District	Population Size						Total Villages
		Below 500	501 - 1000	1001- -3000	3001 - 5000	5001 - 10000	10000+	
1	Raigad	5	16	28	4	0	0	53
2	Ratnagiri	0	15	55	1	0	0	71
3	Thane	2	24	39	8	4	0	77
4	Sindhudurg	0	5	30	3	0	0	38
5	A'Nagar	0	13	60	22	1	0	96
6	Dhule	0	1	24	15	1	0	41
7	Nandurbar	0	5	45	8	0	0	58
8	Jalgaon	0	9	57	10	1	0	77
9	Nashik	0	5	68	23	7	0	103
10	Pune	5	23	53	12	3	0	96
11	Satara	4	5	58	4	0	0	71
12	Solapur	0	5	56	16	0	0	77
13	Kolhapur	2	5	35	25	5	0	72
14	Sangli	1	1	32	17	7	1	59
15	Aurangabad	0	5	34	9	2	0	50
16	Jalana	0	2	27	8	3	0	40
17	Parbhani	0	0	25	5	1	0	31
18	Hingoli	0	4	17	1	2	0	24
19	Latur	0	1	26	15	4	0	46
20	Beed	0	4	43	3	0	0	50
21	Nanded	0	1	45	17	0	0	63
22	Osmanabad	0	3	38	1	0	0	42
23	Akola	1	0	19	8	3	0	31
24	Washim	0	2	18	4	1	0	25
25	Amrawati	1	9	38	3	4	1	56
26	Buldhana	0	3	37	9	3	0	52
27	Yavatmal	1	10	49	3	0	0	63
28	Bhandara	1	2	19	10	1	0	33
29	Gondia	0	1	33	5	0	0	39
30	Chandrapur	1	15	37	5	0	0	58
31	Gadchiroli	9	19	16	1	0	0	45
32	Nagpur	1	9	31	7	1	0	49
33	Wardha	2	4	18	2	1	0	27
State Total		36	226	1210	284	55	2	1813

Age & Sex wise Population - 2011



Survey of causes of Deaths Scheme (Rural) -2011

Age & Sex wise Population (Total)

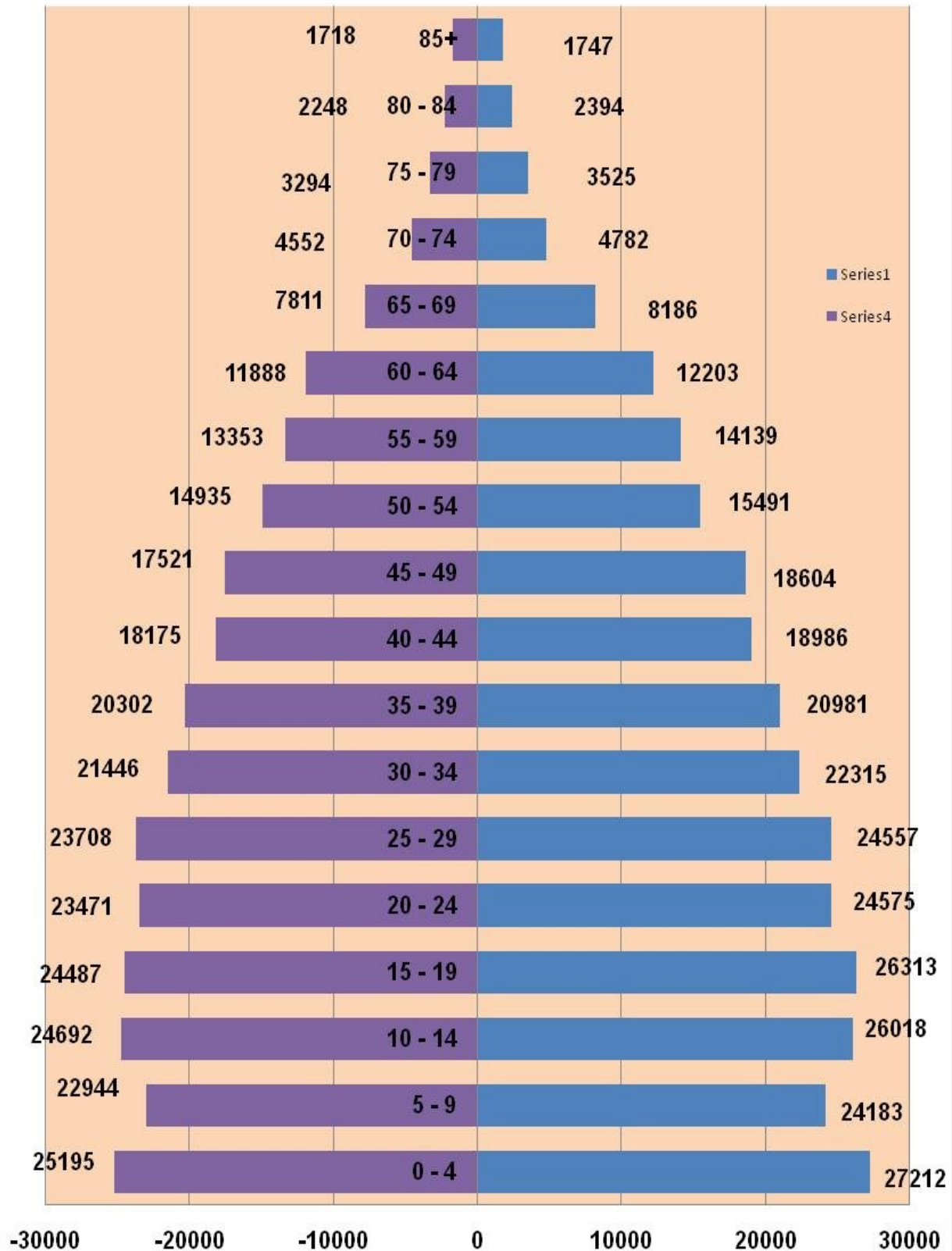
S.N.	Age Group	Male	Female	Total	% to S.C.D. Pop.
1	0 - 4	164367	149719	314086	8.4
2	5 - 9	145829	136254	282083	7.5
3	10 - 14	160723	150686	311409	8.3
4	15 - 19	162427	151181	313608	8.4
5	20 - 24	161325	153149	314474	8.4
6	25 - 29	154228	147297	301525	8.0
7	30 - 34	142817	137811	280628	7.5
8	35 - 39	136854	132507	269361	7.2
9	40 - 44	124736	118892	243628	6.5
10	45 - 49	118593	113607	232200	6.2
11	50 - 54	106926	104045	210971	5.6
12	55 - 59	98968	94478	193446	5.2
13	60 - 64	90106	88358	178464	4.8
14	65 - 69	56379	54345	110724	3.0
15	70 - 74	35360	33408	68768	1.8
16	75 - 79	27450	25633	53083	1.4
17	80 - 84	20942	19535	40477	1.1
18	85+	15288	15813	31101	0.8
	Total	1923318	1826718	3750036	

Survey of causes of Deaths Scheme (Rural) -2011

Age & Sex wise Population (Tribal)

S.N.	Age Group	Male	Female	Total	% to S.C.D. Pop.
1	0 - 4	27212	25195	52407	1.4
2	5 - 9	24183	22944	47127	1.3
3	10 - 14	26018	24692	50710	1.4
4	15 - 19	26313	24487	50800	1.4
5	20 - 24	24575	23471	48046	1.3
6	25 - 29	24557	23708	48265	1.3
7	30 - 34	22315	21446	43761	1.2
8	35 - 39	20981	20302	41283	1.1
9	40 - 44	18986	18175	37161	1.0
10	45 - 49	18604	17521	36125	1.0
11	50 - 54	15491	14935	30426	0.8
12	55 - 59	14139	13353	27492	0.7
13	60 - 64	12203	11888	24091	0.6
14	65 - 69	8186	7811	15997	0.4
15	70 - 74	4782	4552	9334	0.2
16	75 - 79	3525	3294	6819	0.2
17	80 - 84	2394	2248	4642	0.1
18	85+	1747	1718	3465	0.1
	Total	296211	281740	577951	

Age & Sex wise Population (Tribal) - 2011



Survey of Causes of Deaths Scheme (Rural) - 2011

Status of villages selected under the Scheme

S.N.	District	P.H.C. H.Q.	S.C. H.Q. Village	Simple village	Total
1	Raigad	10	29	14	53
2	Ratnagiri	5	61	5	71
3	Thae	4	40	33	77
4	Sindhudurg	6	32	0	38
5	A'Nagar	2	73	21	96
6	Dhule	0	35	6	41
7	Nandurbar	16	36	6	58
8	Jalgaon	4	67	6	77
9	Nashik	3	84	16	103
10	Pune	5	69	22	96
11	Satara	10	56	5	71
12	Solapur	1	56	20	77
13	Kolhapur	6	25	41	72
14	Sangli	0	56	3	59
15	Aurangabad	1	45	4	50
16	Jalana	3	33	4	40
17	Parbhani	0	31	0	31
18	Hingoli	1	19	4	24
19	Latur	4	39	3	46
20	Beed	2	48	0	50
21	Nanded	7	51	5	63
22	Osmanabad	0	39	3	42
23	Akola	5	26	0	31
24	Washim	2	22	1	25
25	Amrawati	6	39	11	56
26	Buldhana	4	48	0	52
27	Yavatmal	5	58	0	63
28	Bhandara	7	25	1	33
29	Gondia	0	39	0	39
30	Chandrapur	2	52	4	58
31	Gadchiroli	1	37	7	45
32	Nagpur	1	45	3	49
33	Wardha	0	22	5	27
State		123	1437	253	1813

Rates and Ratios

Survey of Causes of Deaths Scheme 2011

Vital Rates - Year wise Comparison

S.N.	Rates	2003	2004	2005	2006	2007	2008	2009	2010	2011
	Fertility Rates									
1	Crude Birth Rate	19.9	18.9	18.9	18.1	17.6	17.8	17.3	16.9	16.6
2	Still Birth Rate	8.2	11.3	12.1	12.7	10.6	10.4	9.5	8.5	8.2
3	General Fertility Rate	79	75	74	72	69	69	67	65	65
4	Total Fertility Rate	2.49	2.41	2.35	2.27	2.18	2.21	2.14	2.08	2.07
5	Gross Reproductive Rate	1.18	1.11	1.08	1.05	1.00	1.02	0.98	0.95	0.95
6	Age Specific Fertility Rates									
i	15 - 19	25	27	29	19	18	17	15	14	14
ii	20 - 24	269	270	273	267	249	257	259	251	249
iii	25 - 29	154	143	134	138	133	134	128	124	127
iv	30 - 34	38	33	26	24	29	28	21	21	19
v	35 - 39	11	8	6	5	6	6	5	5	4
vi	40 - 44	1	1	1	1	0	0	0	1	0
vii	45 - 49	0	0	0	0	0	0	0	0	0
7	Sex ratio at birth	88	86	86	87	86	86	85	84	85
	Mortality Rates									
1	Death Rate	7.5	7.1	7.3	7.3	7.1	6.7	6.6	6.8	6.3
2	Perinatal mortality	34	35	37	34	28	28	26	23	21
3	Early neonatal mortality	25	24	22	22	18	18	17	15	13
4	Late neonatal mortality	6	6	6	6	4	5	4	5	5
5	Neonatal Mortality	31	30	28	28	22	23	21	20	18
6	Post neonatal mortality	12	12	10	10	9	8	8	8	6
7	Infant Mortality	43	42	38	38	31	31	29	28	24
8	Child Mortality Rate (0-4)	9.5	10.6	9.5	9.2	8.7	7.5	6.9	6.8	5.8
9	Sex ratio at death	76	69	78	77	78	79	78	78	75

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



Survey Of Causes Of Deaths Scheme - 2011

StateMent No. 5 Total 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	14.5	6.7	54	1.76	0.78	80
2	Ratnagiri	10.8	11.02	44	1.47	0.67	84
3	Thane	18.9	14.1	68	2.20	1.04	90
4	Sindhudurg	11.1	10.2	42	1.46	0.73	101
5	A'Nagar	17.2	6.0	67	2.08	0.93	82
6	Dhule	18.2	2.9	71	2.08	0.94	82
7	Nandurbar	22.8	6.9	87	2.73	1.29	90
8	Jalgaon	15.7	0	60	1.78	0.76	75
9	Nashik	17.2	2.1	71	2.20	1.02	87
10	Pune	16.8	3.0	65	2.01	0.92	85
11	Satara	15.2	7.6	58	1.86	87	87
12	Solapur	17.1	9.2	68	2.14	0.97	85
13	Kolhapur	14.1	9.7	56	1.76	0.83	91
14	Sangli	17.1	4.6	66	2.14	0.96	81
15	Aurangabad	17.2	2.8	70	2.28	1.00	82
16	Jalana	20.5	13.9	81.1	2.47	1.09	80
17	Parbhani	17.3	9.7	70	2.20	1.02	86
18	Hingoli	18.2	8.6	74	2.46	1.10	81
19	Latur	17.7	5.3	76	2.36	1.06	82
20	Beed	17.1	4.2	73	2.34	1.03	79
21	Nanded	18.3	13.2	74	2.36	1.04	79
22	Osmanabad	15.5	16.2	64	2.09	0.95	84
23	Akola	17.9	9.6	70	2.16	1.06	97
24	Washim	16.5	16.2	68	2.15	0.98	84
25	Amrawati	14.9	12.5	55	1.78	0.86	95
26	Buldhana	19.3	9.4	84	2.94	1.35	85
27	Yavatmal	15.2	7.8	57	1.73	0.81	89
28	Bhandara	15.3	10.5	58	1.78	0.88	98
29	Gondia	15.9	11.6	67	2.24	1.09	96
30	Chandrapur	13.5	13.5	48	1.55	0.76	98
31	Gadchiroli	15.7	16.3	57	1.80	0.88	96
32	Nagpur	14.8	12.7	53	1.72	0.78	84
33	Wardha	14.8	16.8	63	1.98	0.94	89
State (Tribal)		17.3	10.1	67	2.14	1.02	91
State (Total)		16.6	8.2	65	2.07	0.95	85

Survey Of Causes Of Deaths Scheme - 2011

StateMent No. 5 - Tribal Districts

Fertility Rates

S.N.	District	C.B.R.	S.B.R.	G.F.R.	T.F.R.	G.R.R.	S.R.B.
1	Thane	21.3	19.3	78	2.83	1.36	93
2	Nandurbar	22.7	5.5	88	2.72	1.29	90
3	Nashik	18.3	3.8	76	2.23	1.03	86
4	Amrawati	22.9	12.8	88	2.67	1.34	101
5	Gadchiroli	15.7	16.3	57.0	1.80	0.9	96.0
State (Tribal)		17.3	10.1	67	2.14	1.02	91
State (Total)		16.6	8.2	65	2.07	0.95	85

Survey Of Causes Of Deaths Scheme - 2011

StateMent No. 5

Fertility Rates

S.N.	Circle	C.B.R.	S.B.R.	G.F.R.	T.F.R.	G.R.R.	S.R.B.
1	Mumbai	15.5	11.9	75	1.91	0.92	86
2	Nashik	17.7	3.4	70	2.15	0.97	83
3	Pune	16.9	6.3	67	2.08	0.95	84
4	Kolhapur	14.7	7.5	57	1.85	0.86	84
5	Aurangabad	18.4	9.0	74	2.36	1.06	82
6	Latur	17.2	9.6	73	2.32	1.03	81
7	Akola	19.9	10.6	66	2.11	1.00	90
8	Nagpur	14.8	13.0	56	1.81	0.87	94
State (Tribal)		17.3	10.1	67	2.14	1.02	91
State (Total)		16.6	8.2	65	2.07	0.95	85

Survey Of Causes Of Deaths Scheme - 2011

StateMent No. 6 (Total) Mortality Rates

S.N.	District	C.D.R.	C.M.R.(0-4)	Peri.N.M.R.	E.N.M.R.	L.N.M.R.	N.N.M.R.	P.N.M.R.	I.M.R.	SDR
1	Raigad	6.7	2.7	12	*	*	*	*	*	83
2	Ratnagiri	9.5	6.3	29	18	5	23	5	28	71
3	Thane	4.8	10.8	23	9	7	16	10	26	72
4	Sindhudurg	10.1	6.9	32	22	1	23	7	30	111
5	A'Nagar	5.2	2.5	21	15	3	18	6	24	82
6	Dhule	6.6	5.9	16	13	6	19	8	27	69
7	Nandurbar	5.5	12.2	19	12	4	16	14	30	63
8	Jalgaon	5.8	2.0	*	*	*	*	*	*	72
9	Nashik	5.7	4.4	12	10	5	15	9	24	75
10	Pune	6.4	3.8	16	13	2	15	3	18	58
11	Satara	7.9	5.7	21	13	3	16	7	23	81
12	Solapur	5.6	3.2	17	8	4	12	6	18	75
13	Kolhapur	6.6	4.8	22	12	2	15	6	21	75
14	Sangli	7.2	3.8	13	9	2	11	4	15	72
15	Aurangabad	5.8	6.5	19	16	4	20	8	28	68
16	Jalana	5.0	5.5	26	12	2	14	8	22	76
17	Parbhani	4.7	6.8	26	16	5	21	7	28	74
18	Hingoli	4.8	5.9	16	8	5	13	9	22	81
19	Latur	5.8	7.03	28	23	2	25	5	30	61
20	Beed	5.5	8.7	23	19	4	23	10	33	71
21	Nanded	5.3	7.6	26	13	3	16	7	23	70
22	Osmanabad	6.4	8.1	39	23	7	30	2	32	83
23	Akola	6.1	7.4	27	17	7	24	6	30	74
24	Washim	6.5	8.2	42	25	4	29	6	35	70
25	Amrawati	6.7	6.8	28	15	5	20	7	27	79
26	Buldhana	6.8	10.6	29	20	7	27	4	31	82
27	Yavatmal	6.1	1.23	19	11	5	16	9	25	66
28	Bhandara	7.7	6.7	27	16	6	22	4	26	89
29	Gondia	6.6	5.8	21	10	7	17	6	23	63
30	Chandrapur	6.9	6.9	25	11	10	21	6	27	83
31	Gadchiroli	7.4	10.9	43	27	3	30	3	33	69
32	Nagpur	6.9	9.1	28	15	8	23	5	28	78
33	Wardha	7.1	5.5	29	13	6	19	3	22	81
State (Tribal)		5.4	NA	23	12	6	18	11	29	72
State (Total)		6.3	5.6	21	13	5	18	6	24	75

* Very less events are reported. hence rates are not calculated

Survey Of Causes Of Deaths Scheme - 2011

StateMent No. 5 - Tribal Districts

Mortality Rates

S.N.	District	C.D.R.	C.M.R.(0-4)	Peri.N.M.R.	E.N.M.R.	L.N.M.R.	N.N.M.R.	P.N.M.R.	I.M.R.	S.D.R.
1	Thane	5.5	13.3	29	10	8	18	14	32	77
2	Nandurbar	5.5	11.0	14	9	4	13	14	27	64
3	Nashik	5.8	4.6	17	13	5	18	10	28	73
4	Amrawati	7.3	19.5	32	20	3	23	19	42	81
5	Gadchiroli	7.4	10.9	43	27	3	30	3	33	69
State (Tribal)		5.4	NA	23	12	6	18	11	29	72
State (Total)		6.3	5.6	21	13	5	18	6	24	75

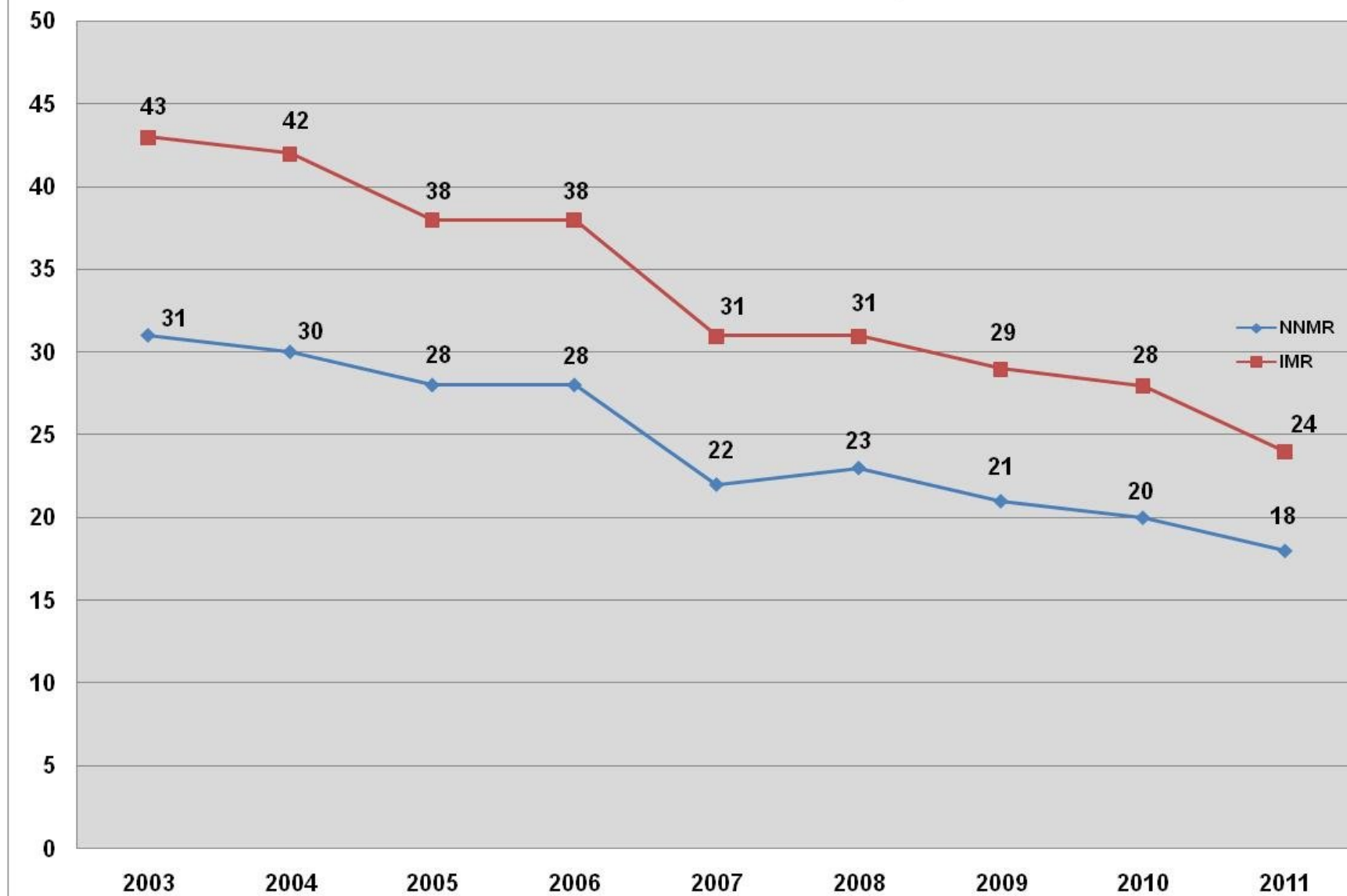
Survey Of Causes Of Deaths Scheme - 2011

StateMent No. 5

Mortality Rates

S.N.	Circle	C.D.R.	C.M.R.(0-4)	Peri.N.M.R.	E.N.M.R.	L.N.M.R.	N.N.M.R.	P.N.M.R.	I.M.R.	S.R.D.
1	Mumbai	6.6	5.2	22	10	5	15	8	23	74
2	Nashik	5.6	5.2	15	11	4	15	8	23	74
3	Pune	5.9	3.4	16	10	3	13	5	18	66
4	Kolhapur	7.5	3.9	19	12	2	14	5	19	81
5	Aurangabad	5.2	6.2	22	13	4	17	8	25	81
6	Latur	5.6	7.2	28	18	4	22	7	29	74
7	Akola	7.6	7.5	28	17	6	23	6	29	75
8	Nagpur	5.2	7.2	28	15	7	22	5	27	78
State (Tribal)		5.4	NA	23	12	6	18	11	29	72
State (Total)		6.3	5.6	21	13	5	18	6	24	75

Contribution of NeoNatal Mortality - 2011



Management Information Systems

Survey Of Causes of Deaths Scheme 2011

Management Information System -- Indicator & District Wise Performance

(total)

S.N.	District	Ind.70 (i)			Ind.70 (ii)			Ind.70 (iii)			Ind.70 (iv)		
		Reporting Efficiency			Birth Recording			Death Recording			Infant Death Recording		
		Exp. Level	Achievement	%	Exp. Level	Achievement	%	Exp. Level	Achievement	%	Exp. Level	Achievement	%
1	Raigad	624	612	98	1116	1034	93	468	473	101	48	12	25
2	Ratnagiri	852	848	100	1128	987	88	873	859	98	48	28	58
3	Thane	924	924	100	2556	2797	109	696	717	103	96	71	74
4	Sindhudurg	456	456	100	816	696	85	684	667	98	36	14	39
5	A'Nagar	1152	1152	100	3878	3661	94	1399	1098	78	135	89	66
6	Dhule	492	492	100	2040	2058	101	732	750	102	72	55	76
7	Nandurbar	696	696	100	2328	2467	106	660	604	92	72	73	101
8	Jalgaon	924	924	100	3084	2441	79	1172	911	78	96	17	18
9	Nashik	1236	1236	100	4488	4360	97	1488	1440	97	157	105	67
10	Pune	1152	1152	100	2793	2801	100	1088	1062	98	53	51	96
11	Satara	852	852	100	1992	1970	99	1056	1037	98	72	46	64
12	Solapur	924	924	100	3096	3007	97	1116	985	88	108	53	49
13	Kolhapur	864	864	100	2652	2550	96	1188	1195	101	96	52	54
14	Sangli	708	708	100	2806	2938	105	1284	1233	96	96	42	44
15	Aurangabad	600	600	100	2035	1755	86	763	592	78	67	49	73
16	Jalana	480	480	100	1980	2118	107	552	521	94	72	46	64
17	Parbhani	372	372	100	1303	1235	95	406	333	82	33	35	106
18	Hingoli	288	288	100	1044	1035	99	276	275	100	36	22	61
19	Latur	644	644	100	2304	2241	97	780	736	94	84	67	80
20	Beed	600	600	100	1620	1649	102	528	529	100	60	54	90
21	Nanded	756	756	100	2821	2691	95	956	780	82	99	63	64
22	Osmanabad	504	504	100	1168	1148	98	486	473	97	46	37	80
23	Akola	372	372	100	1524	1547	102	588	527	90	48	46	96
24	Washim	300	300	100	912	911	100	324	361	111	36	32	89
25	Amrawati	672	672	100	1872	1892	101	840	847	101	72	52	72
26	Buldhana	624	624	100	2441	2415	99	876	850	97	85	74	87
27	Yavatmal	756	756	100	2280	1652	72	996	656	66	101	41	41
28	Bhandara	396	396	100	1140	1218	107	540	612	113	36	32	89
29	Gondia	468	468	100	1272	1206	95	600	504	84	47	27	57
30	Chandrapur	696	696	100	1332	1234	93	660	640	97	48	33	69
31	Gadchiroli	540	540	100	780	663	85	348	314	90	24	22	92
32	Nagpur	588	588	100	1321	1315	100	638	616	97	49	37	76
33	Wardha	324	324	100	636	643	101	348	305	88	24	14	58
State Total		21836	21820	100	64558	62335	97	25409	23502	92	2252	1491	66

Survey Of Causes of Deaths Scheme 2011

Management Information System -- Indicator & District Wise Performance

S.N.	Circle	Ind.70 (i)			Ind.70 (ii)			Ind.70 (iii)			Ind.70 (iv)		
		Reporting Efficiency			Birth Recording			Death Recording			Infant Death Recording		
		Exp. Level	Achievement	%	Exp. Level	Achievement	%	Exp. Level	Achievement	%	Exp. Level	Achievement	%
1	Mumbai	2400	2384	99	4800	4818	100	2037	2049	101	192	111	58
2	Nashik	4500	4500	100	15818	14987	95	5451	4803	88	532	339	64
3	Pune	2076	2076	100	5889	5808	99	2204	2047	93	161	104	65
4	Kolhapur	2880	2880	100	8266	8154	99	4212	4132	98	300	154	51
5	Aurangabad	1740	1740	100	6362	6143	97	1997	1721	86	208	152	73
6	Latur	2504	2504	100	7913	7729	98	2750	2518	92	289	221	76
7	Akola	2724	2724	100	9029	8417	93	3624	3241	89	342	245	72
8	Nagpur	3012	3012	100	6481	6279	97	3134	2991	95	228	165	72
State Total		21836	21820	100	64558	62335	97	25409	23502	92	2252	1491	66

Fertility Analysis

- * Distribution of births by age of mother & birth Order
- * Difference between two deliveries
- * Babies weighed
- * Births by place of occurrence & attended by

Survey Of Causes of Deaths Scheme (Rural) 2011

Distribution of Births according to age of Mother & Birth Order State Total

S.N.	Age of Mother	Birth Order															
		Ist			IInd			IIIrd			Ivth+			Total			% Births occurred according to age of Mother
		M	F	T	M	F		M	F	T	M	F	T	M	F	T	
1	15 - 19	1073	961	2034	16	14	30	1	0	1	0	0	0	1090	975	2065	3%
2	20 - 24	11655	10351	22006	7673	6537	14210	947	805	1752	117	105	222	20392	17798	38190	62%
3	25 - 29	1501	1372	2873	4584	3768	8352	3052	2378	5430	1166	955	2121	10303	8473	18776	30%
4	30 - 34	170	131	301	335	284	619	495	368	863	480	405	885	1480	1188	2668	4%
5	35 - 39	32	27	59	64	65	129	83	51	134	141	119	260	320	262	582	1%
6	40 - 44	2	1	3	1	1	2	4	2	6	21	20	41	28	24	52	0
7	45 - 49	0	2	2	0	0	0	0	0	0	0	0	0	0	2	2	0
Total		14433	12845	27278	12673	10669	23342	4582	3604	8186	1925	1604	3529	33613	28722	62335	
% Births occurred according to Birth Order		44%			37%			13%			6%			100%			

Survey Of Causes of Deaths Scheme (Rural) 2010

Sex Ratio at Births according to age of Mother & Birth Order (State Total)

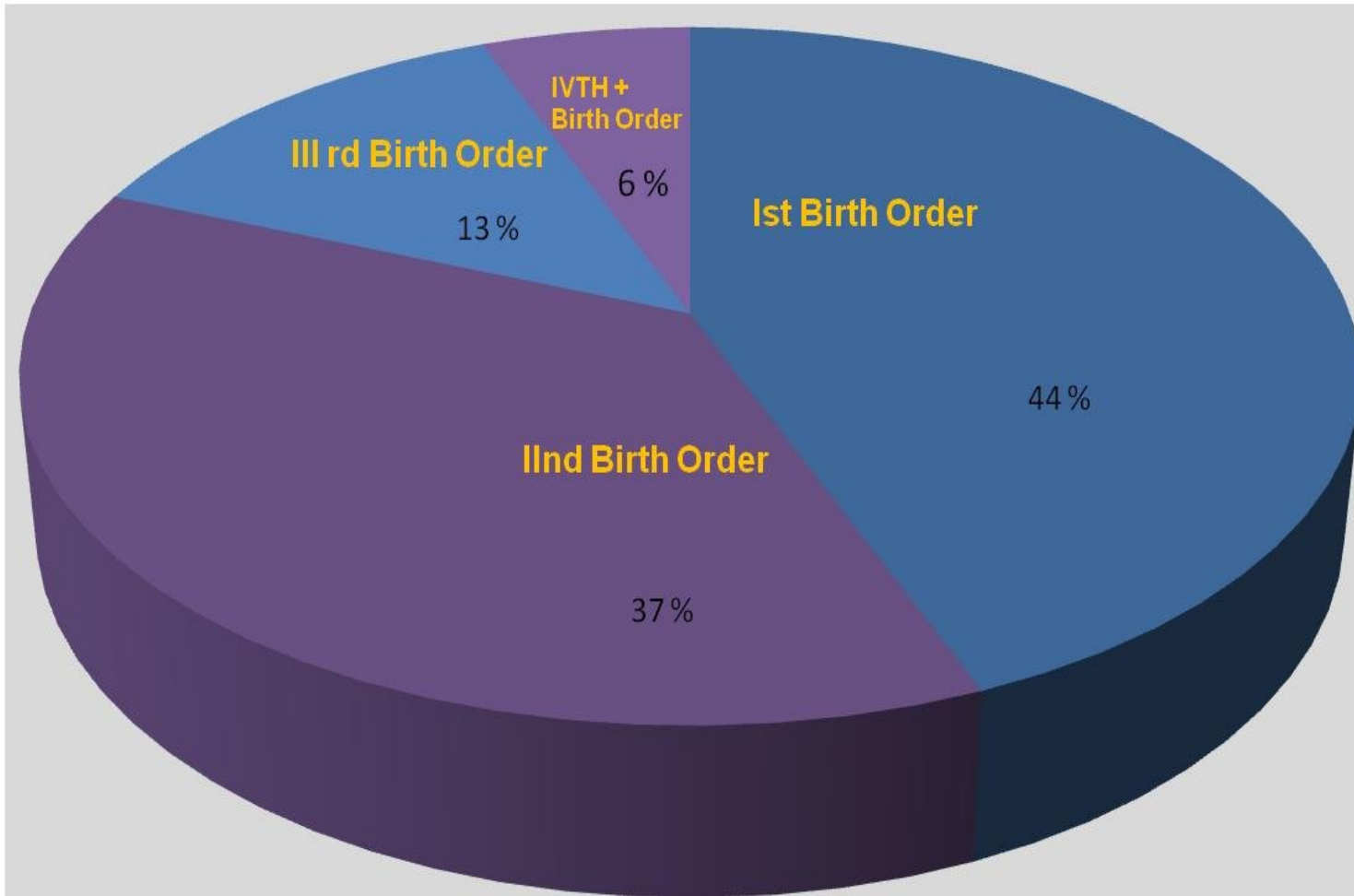
S.N.	Age of Mother	Sex Ratio at Birth				
		Ist	IIInd	IIIrd	Ivth+	Total
		M	M	M	M	M
1	15 - 19	896	875	0	0	894
2	20 - 24	888	852	850	897	873
3	25 - 29	914	822	779	819	822
4	30 - 34	771	848	743	844	803
5	35 - 39	844	1016	614	844	819
6	40 - 44	500	0	0	952	917
7	45 - 49	0	0	0	0	0
Total		890	842	787	833	854

Survey Of Causes of Deaths Scheme (Rural) 2011

Distribution of Births according to age of Mother & Birth Order (Tribal)

S.N.	Age of Mother	Birth Order														
		Ist			IInd			IIIrd			Ivth+			Total		
		M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
1	15 - 19	256	221	477	5	4	9	0	0	0	0	0	0	261	225	486
2	20 - 24	1517	1403	2920	1162	1085	2247	216	198	414	32	45	77	2927	2731	5658
3	25 - 29	219	202	421	647	569	1216	481	460	941	237	209	446	1584	1440	3024
4	30 - 34	25	22	47	52	60	112	127	88	215	169	134	303	373	304	677
5	35 - 39	9	10	19	14	9	23	22	13	35	49	52	101	94	84	178
6	40 - 44	0	0	0	1	0	1	1	0	1	9	7	16	11	7	18
7	45 - 49	0	1	1	0	0	0	0	0	0	1	1	2	1	2	3
Total		2026	1859	3885	1881	1727	3608	847	759	1606	497	448	945	5251	4793	10044

Births according to Birth Order - 2011



Survey of Causes of Deaths Scheme 2011

Period between two deliveries (%)

Statement No. 7

S.N.	District	Total Births	Period between two deliveries				
			Within 12 months	12 - 24 months	24 - 36 months	more than 36 months	Not Stated
1	Raigad	1034	6	40	28	26	0
2	Ratnagiri	987	6	25	33	36	0
3	Thae	2797	11	15	41	33	0
4	Sindhudurg	696	0	58	19	23	0
5	A'Nagar	3661	1	54	31	14	0
6	Dhule	2058	0	47	48	5	0
7	Nandurbar	2467	0	68	28	3	0
8	Jalgaon	2441	20	72	5	3	0
9	Nashik	4360	7	17	51	25	0
10	Pune	2801	0	48	39	12	0
11	Satara	1972	1	39	30	29	0
12	Solapur	3007	0	53	16	31	0
13	Kolhapur	2550	1	36	42	21	0
14	Sangli	2938	0	39	45	16	0
15	Aurangabad	1755	1	47	40	12	0
16	Jalana	2118	0	33	53	14	0
17	Parbhani	1235	3	46	45	6	0
18	Hingoli	1035	1	53	35	12	0
19	Latur	2241	3	52	34	10	0
20	Beed	1649	1	60	25	14	0
21	Nanded	2691	0	57	32	11	0
22	Osmanabad	1148	5	27	39	30	0
23	Akola	1547	1	56	34	10	0
24	Washim	911	0	46	42	12	0
25	Amrawati	1892	0	48	34	17	0
26	Buldhana	2415	0	26	44	30	0
27	Yavatmal	1652	13	46	32	9	0
28	Bhandara	1218	4	31	37	28	0
29	Gondia	1206	2	44	45	9	0
30	Chandrapur	1234	0	40	40	20	0
31	Gadchiroli	663	1	46	35	17	0
32	Nagpur	1315	3	30	41	26	0
33	Wardha	643	0	39	43	19	0
State (Tribal)		10044	4	41	39	16	0
State (Total)		62335	3	43	36	18	0

Survey of Causes of Deaths Scheme 2011

% Period between two deliveries (Circle) - 2011

Statement No. 7

S.N.	Circle	Total Births	Period between two deliveries				
			Within 12 months	12 - 24 months	24 - 36 months	more than 36 months	Not Stated
1	Mumbai	4818	9	22	37	32	0
2	Nashik	14987	5	47	35	12	0
3	Pune	5808	0	51	27	22	0
4	Kolhapur	8156	1	40	38	21	0
5	Aurangabad	6143	1	43	45	11	0
6	Latur	7729	2	52	32	14	0
7	Akola	8417	3	42	38	17	0
8	Nagpur	6279	2	38	40	20	0
State (Tribal)		10044	4	41	39	16	0
State (Total)		62335	3	43	36	18	0

Survey Of Causes of Deaths Scheme (Rural) 2011

Birth Weight (%)

Statement No. 8

S.N.	District	Total Births	Birth Weight				Babies Survived out of Col.4+5
			Below 2000 gms	2000 - 2500 gms	Above 2500 gms	Weight Not taken	
1	2	3	4	5	6	7	8
1	Raigad	1034	1	3	76	0	99
2	Ratnagiri	987	4	22	73	1	93
3	Thane	2797	5	9	85	1	29
4	Sindhudurg	696	2	10	86	2	14
5	A'Nagar	3661	1	4	91	4	76
6	Dhule	2058	3	5	92	1	81
7	Nandurbar	2467	1	7	92	0	85
8	Jalgaon	2441	3	19	74	4	98
9	Nashik	4360	2	8	87	3	89
10	Pune	2801	2	28	70	0	97
11	Satara	1970	3	5	92	0	84
12	Solapur	3007	1	3	96	0	84
13	Kolhapur	2550	5	46	48	1	98
14	Sangli	2938	0	6	93	1	88
15	Aurangabad	1755	2	38	58	2	96
16	Jalana	2118	2	2	96	0	67
17	Parbhani	1235	0	4	94	2	72
18	Hingoli	1035	0	4	95	0	91
19	Latur	2241	1	21	74	4	94
20	Beed	1649	1	3	94	2	63
21	Nanded	2691	0	5	90	5	81
22	Osmanabad	1148	0	17	72	11	93
23	Akola	1547	2	7	91	0	80
24	Washim	911	0	7	92	1	85
25	Amrawati	1892	2	5	90	2	88
26	Buldhana	2415	6	34	55	6	99
27	Yavatmal	1652	0	7	91	2	91
28	Bhandara	1218	1	12	87	0	86
29	Gondia	1206	4	37	59	0	98
30	Chandrapur	1234	1	11	88	0	91
31	Gadchiroli	663	6	39	54	1	98
32	Nagpur	1315	2	2	95	1	89
33	Wardha	643	5	32	63	0	11
State Total		62335	2	13	83	2	88

Survey Of Causes of Deaths Scheme (Rural) 2011

Birth Weight (%)

Statement No. 8 Circle

S.N.	District	Total Births	Birth Weight				Babies Survived out of Col.4
			Below 2500 gms	2000 - 2500 gms	Above 2500 gms	Weight Not taken	
1	2	3	4	5	6	7	8
1	Mumbai	4818	4	15	81	1	67
2	Nashik	14987	2	8	88	3	89
3	Pune	5808	2	15	83	0	95
4	Kolhapur	8154	2	18	78	1	91
5	Aurangabad	6143	1	13	84	1	92
6	Latur	7729	1	11	84	5	90
7	Akola	9180	4	21	72	4	97
8	Nagpur	6279	3	19	78	0	81
State Tribal		10044	3	12	84	1	74
State Total		62335	2	13	83	2	88

Survey of Causes of Deaths (Rural) - 2011

Births by Place of Occurrence & Attended (%)

Statement No. 9

S.N.	District	Total Births	Institutional Births				Total Domiciliary Births	Domiciliary Births attended by			
			Sub Center	P.H.C.	Hospital	Total		A.N.M.	Tr.dai	U.T.D.	Other
1	Raigad	1034	6	18	67	91	9	2	7	0	0
2	Ratnagiri	987	11	11	77	99	1	1	0	0	0
3	Thane	2797	16	25	52	93	7	3	3	0	1
4	Sindhudurg	696	2	10	86	98	2	0	2	0	0
5	A'Nagar	3661	14	19	51	84	16	11	3	1	1
6	Dhule	2058	13	35	48	96	4	3	1	0	0
7	Nandurbar	2467	14	14	22	50	50	16	32	1	1
8	Jalgaon	2441	11	2	55	68	32	15	11	5	1
9	Nashik	4360	5	15	48	67	33	12	19	1	1
10	Pune	2801	3	18	73	94	6	3	3	0	1
11	Satara	1970	5	5	89	99	1	0	1	0	0
12	Solapur	3007	0	90	7	97	3	2	1	0	0
13	Kolhapur	2550	5	13	80	98	2	2	0	0	0
14	Sangli	2938	4	2	92	99	1	1	0	0	0
15	Aurangabad	1755	13	6	72	92	8	3	3	1	1
16	Jalana	2118	18	19	56	94	6	2	4	0	0
17	Parbhani	1235	12	9	71	92	8	4	4	0	0
18	Hingoli	1035	4	7	78	88	12	2	10	0	0
19	Latur	2241	8	13	75	96	4	0	3	0	0
20	Beed	1649	0	7	90	97	3	1	1	1	0
21	Nanded	2691	9	13	72	93	7	3	4	1	0
22	Osmanabad	1148	9	23	62	95	5	0	5	0	0
23	Akola	1547	5	7	82	94	6	2	4	0	0
24	Washim	911	9	6	74	89	11	2	5	3	1
25	Amrawati	1892	17	11	64	93	7	2	4	1	0
26	Buldhana	2415	12	20	43	76	24	14	10	0	0
27	Yavatmal	1652	4	11	61	77	23	5	19	0	0
28	Bhandara	1218	16	19	62	98	2	0	2	0	0
29	Gondia	1206	52	12	33	97	3	0	3	0	0
30	Chandrapur	1234	36	9	49	94	6	1	5	0	0
31	Gadchiroli	663	42	4	36	82	18	6	12	0	0
32	Nagpur	1315	17	15	66	99	1	0	1	0	0
33	Wardha	643	11	1	87	100	0	0	0	0	0
	Total	62335	10	17	61	88	12	5	6	1	0

Survey of Causes of Deaths (Rural) - 2011

Births by Place of Occurrence & Attended (%)

Statement No. 9

S.N.	Circle	Total Births	Institutional Births				Total Domiciliary Births	Domiciliary Births attended by			
			sub Center	P.H.C.	Hospital	Total		A.N.M.	Tr.dai	U.T.D.	Other
1	Mumbai	4818	13	20	61	94	6	2	3	0	1
2	Nashik	14987	11	17	46	73	27	12	13	2	0
3	Pune	5808	1	55	39	95	5	3	1	1	0
4	Kolhapur	8154	5	7	87	98	2	1	1	0	0
5	Aurangabad	6143	13	11	68	92	8	2	5	0	1
6	Latur	7729	7	13	75	95	5	2	3	0	0
7	Akola	8417	10	12	62	85	15	6	9	0	0
8	Nagpur	6279	29	12	55	95	5	2	3	0	0
9	State Tribal	10041	19	16	39	74	26	9	15	1	1
10	State Total	62335	11	17	61	88	12	5	6	1	0

Mortality Analysis

- * Deaths by place of occurrence
- * Mortality Trend
- * Top ten killer disease of all age group
- * Top five killer disease (1 - 4 age group)
- * Top five killer disease (15-49 age group of
- * Top ten killer diseases of 65 + age
- * Causes by age and sex

Survey of Causes of Deaths Scheme (Rural) - 2011

Deaths by Place of Occurance (%)

Statement - 10

S.N.	District	Total Deaths	Institutional			Domiciliary
			P.H.C.	Other	Total	
1	Raigad	473	0	30	31	69
2	Ratnagiri	859	0	19	20	80
3	Thae	717	0	73	73	27
4	Sindhudurg	667	0	20	20	80
5	A'Nagar	1098	0	25	25	75
6	Dhule	750	0	44	44	56
7	Nandurbar	604	0	15	15	85
8	Jalgaon	911	1	5	6	94
9	Nashik	1440	0	45	45	55
10	Pune	1062	0	24	24	76
11	Satara	1037	0	17	17	83
12	Solapur	985	0	16	16	84
13	Kolhapur	1195	0	33	33	67
14	Sangli	1233	0	21	21	79
15	Aurangabad	592	0	21	21	79
16	Jalana	521	0	22	22	78
17	Parbhani	333	4	21	25	75
18	Hingoli	275	1	79	79	21
19	Latur	736	1	22	22	78
20	Beed	529	0	40	40	60
21	Nanded	780	0	16	16	84
22	Osmanabad	473	1	28	29	71
23	Akola	527	0	17	17	83
24	Washim	361	0	22	22	78
25	Amrawati	847	2	21	23	77
26	Buldhana	850	0	40	40	60
27	Yavatmal	656	0	25	25	75
28	Bhandara	612	0	20	20	80
29	Gondia	504	0	14	14	86
30	Chandrapur	640	0	13	13	88
31	Gadchiroli	314	0	17	17	83
32	Nagpur	616	15	33	48	52
33	Wardha	305	0	29	29	71
State Total		23502	1	26	27	73

Survey of Causes of Deaths Scheme (Rural) - 2011

Deaths by Place of Occurance (%)

Statement - 10

S.N.	Circle	Total Deaths	Institutional			Domiciliary
			P.H.C.	Other	Total	
1	Mumbai	2049	0	41	41	59
2	Nashik	4803	0	29	29	71
3	Pune	2047	0	20	20	80
4	Kolhapur	4132	0	23	23	77
5	Aurangabad	1721	1	31	31	69
6	Latur	2518	0	25	25	75
7	Akola	3241	1	26	27	73
8	Nagpur	2991	3	21	24	76
State Tribal		3127	1	30	31	69
State Total		23502	1	26	27	73

Survey of Causes of Deaths Scheme (Rural) - 2011

Top Ten Killer Diseases (all age Group)

S.N.	Disease	Male	Female	Total	% to total Deaths (23502)
1	Asthama	2291	2008	4299	18.3
2	Cardiac Arrest	1776	1341	3117	13.3
3	Hemiplegia	973	795	1768	7.5
4	Accidental Injuries	768	260	1028	4.4
5	Ischaemic Heart Disease	564	363	927	3.9
6	Cirrhoses Of Liver	564	129	693	2.9
7	Prematurity & L.B.W.	341	263	604	2.6
8	Other forms of Heart Disease	359	245	604	2.6
9	Sucide	378	216	594	2.5
10	Anaemia of All types	261	290	551	2.3
	Total	8275	5910	14185	60.4

Survey of Causes of Deaths Scheme (Rural) - 2011

Mejor Killer Diseases of age group (1 - 4)

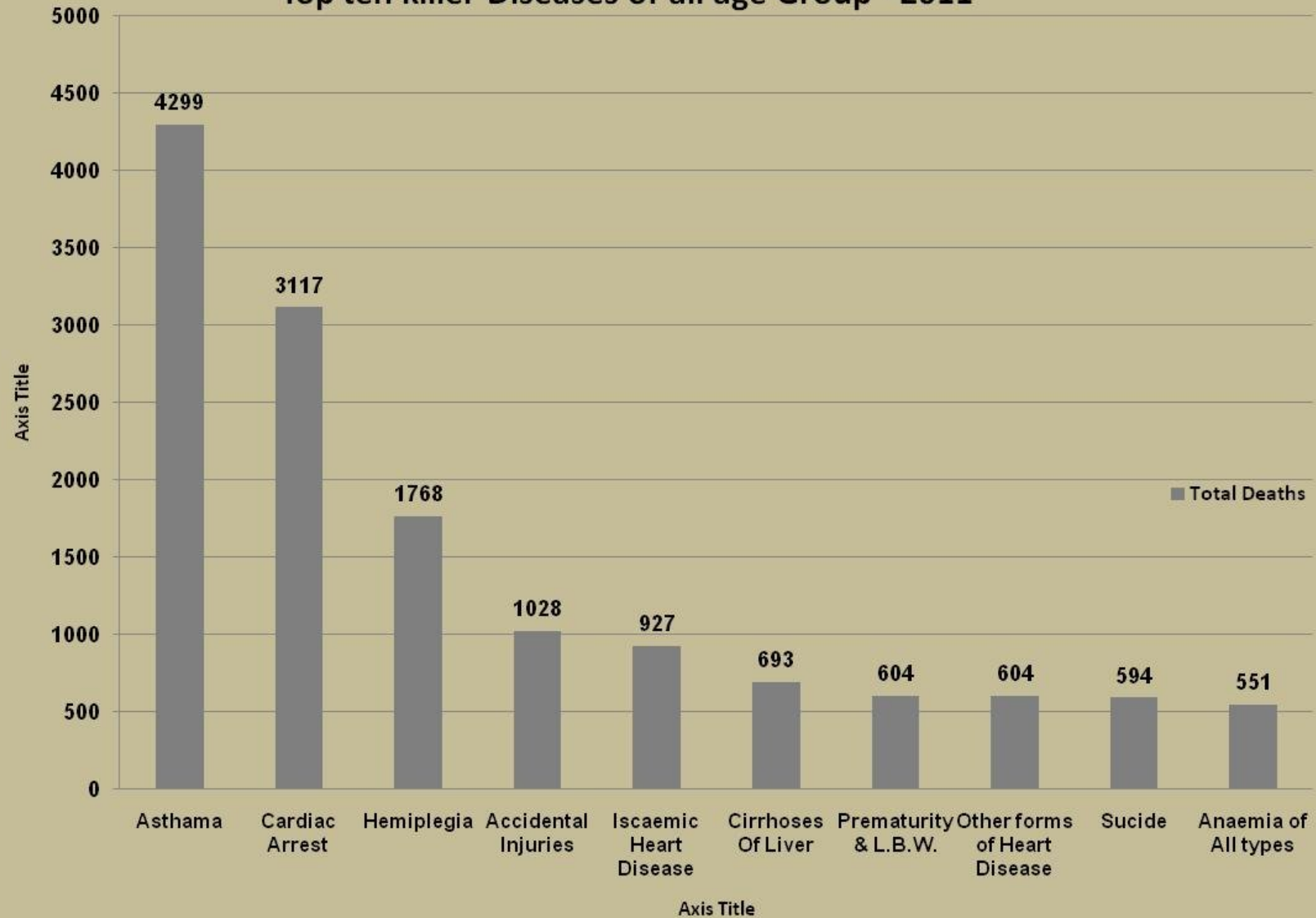
S.N.	Disease	Male	Female	Total	% to total Deaths (291) in age group 1-4	% to total Deaths (23502)
1	Pneumonia & Brochitis	26	24	50	17	0.2
2	Accidental Drowning	13	16	29	10	0.1
3	Accidental Injuries	21	11	32	11	0.1
4	Encephalities & Meningitis	8	11	19	7	0.1
5	Anaemia	8	8	16	5	0.1
	Total	76	70	146	50	0.6

Survey of Causes of Deaths Scheme (Rural) - 2011

Mejor Killer Diseases of Females in age group (15 - 44)

S.N.	Disease	Females Deaths (15-45)	% to total Female Deaths (1134) in age group 15-44	% to total Deaths (23502)
1	Suicide	158	14	0.6
2	Cardiac Arrest	104	9	0.4
3	Accidental Injury	94	8	0.4
4	Burn	84	7	0.3
5	Other forms of Heart Disease	63	6	0.2
	Total	503	44	2.0

Top ten killer Diseases of all age Group - 2011



SURVEY OF CAUSES OF DEATHS SCHEME - 2011
CLASSIFICATION OF CAUSE OF DEATHS BY AGE & SEX (Total)

State Total																											
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	2	0	1	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	1	0	6	1	7
2	Typhoid & Paratyphoid	2A	3	4	2	2	1	7	0	2	1	1	3	1	1	1	2	0	1	1	0	1	1	2	15	22	37
3	Dysentery	3A	0	1	0	2	0	2	0	0	2	0	1	0	2	0	0	2	3	3	4	3	0	1	12	14	26
4	Diarrhoeal Diseases & Gastroenteritis	4A	5	1	0	2	0	1	0	0	1	0	3	0	2	0	1	0	3	6	1	0	1	1	17	11	28
5	Pulmonary Tuberculosis	5A	0	0	0	0	2	4	8	3	21	8	42	17	48	21	28	17	35	22	13	6	6	3	203	101	304
6	Extra Pul. T.B.	6A	1	0	1	2	1	2	1	0	2	1	9	0	9	2	5	3	11	2	2	1	2	1	44	14	58
7	Plague	7A	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
8	Leprosy	8A	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	1	1	0	0	3	0	5	3	8
9	Tetanus	9A	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
10	Diphtheria	10A	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	3	0	3
11	Pertussis	11A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	0	4	4
12	Acute poliomyelitis	12A	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	2	1	3
13	Rabies	13A	0	0	0	0	1	0	0	0	0	0	1	0	0	2	2	0	0	0	0	0	0	0	4	2	6
14	Dengue	14A	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	1	3
15	Chickenpox	1B	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
16	Measles	2B	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2
17	Viral hepatitis	3B	4	7	3	6	6	4	5	10	5	2	4	3	6	2	7	5	8	7	1	3	1	0	50	49	99
18	H.I.V.	4B	1	2	0	0	2	1	3	4	20	8	53	14	22	20	6	5	3	0	2	0	0	0	112	54	166
19	Malaria	5B	0	0	0	0	0	0	0	0	1	1	2	0	0	0	0	0	0	0	0	0	0	0	3	1	4
20	Other infectious & Parasitic Diseases	6B	7	2	1	1	3	4	0	0	0	0	5	4	4	1	6	1	3	4	2	2	2	2	33	21	54
Sub total of Group 1			22	19	10	16	19	26	17	19	54	21	125	39	95	50	57	35	69	46	26	18	18	12	512	301	813
Group No.2: Cancer																											
21	Cancer of lips,mouth,	1C	1	0	2	1	1	2	3	1	14	1	11	9	28	12	43	21	47	36	21	10	14	8	185	101	286
22	Cancer of Digestive Organs	2C	1	0	3	1	0	1	6	4	12	4	15	7	17	17	48	26	61	53	30	22	15	12	208	147	355
23	Cancer of Respiratory & intrathoracic organs	3C	0	0	1	1	0	0	0	3	4	1	8	4	10	5	19	14	31	28	9	6	5	7	87	69	156
24	Cancer of Breast	4C	0	0	0	0	0	0	0	2	1	4	0	10	0	14	1	8	1	20	2	6	0	7	5	71	76
25	Cancer of bone & cartilage	5C	0	0	3	0	0	1	2	1	2	0	3	1	4	3	13	2	19	12	3	2	5	5	54	27	81
26	Cancer of female genital organs	6c	0	0	0	0	0	0	1	5	0	6	0	11	0	27	2	40	0	52	1	32	0	9	4	182	186
27	Cancer of male genital organs	7c	0	0	1	0	0	0	1	1	1	0	3	2	3	0	12	1	16	2	6	1	8	2	51	9	60
28	Cancer of urinary trac	8C	0	0	0	0	0	0	0	0	0	0	1	2	8	5	8	1	12	2	2	2	2	2	33	14	47
29	cancer of eye,brain,& other part of central nervous system	9C	0	1	0	0	2	2	3	2	2	5	5	3	10	6	6	3	6	6	5	1	11	6	50	35	85
30	Cancer of lymphoid	10C	1	0	0	0	2	4	7	2	3	1	7	2	12	8	26	12	28	18	6	6	2	1	94	54	148
31	Cancer of other organs	11c	0	0	1	0	2	2	2	5	2	1	8	3	10	5	21	18	20	33	14	7	3	1	83	75	158
Sub total of Group 2			3	1	11	3	7	12	25	26	41	23	61	54	102	102	199	146	241	262	99	95	65	60	854	784	1638

SURVEY OF CAUSES OF DEATHS SCHEME - 2011
CLASSIFICATION OF CAUSE OF DEATHS BY AGE & SEX (Total)

State Total																											
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.3 : Diseases of the blood forming organs & certain disorders involving the immune mechanism																											
32	Anaemia - all types	1D	5	5	8	8	5	2	2	6	6	6	7	11	15	8	13	18	73	87	63	69	64	70	261	290	551
33	Coagulation defect	2D	0	0	0	2	2	0	1	1	1	1	0	0	0	3	1	6	11	8	6	13	5	35	27	62	
34	Other diseases related to blood formation	3D	0	1	1	1	0	1	1	1	0	1	2	2	3	0	2	3	1	4	3	3	5	3	18	20	38
	Subtotal of Group 3		5	6	9	11	7	3	4	8	7	8	10	13	18	8	18	22	80	102	74	78	82	78	314	337	651
Group No.4 : Endocrine, Nutritional & metabolic diseases																											
35	Disorder of thyroid	1E	0	0	0	0	0	0	1	1	1	1	0	0	0	1	0	1	6	1	1	0	2	5	11	16	
36	Diabetes Mellitus	2E	1	0	0	0	1	2	0	0	8	3	9	0	18	9	49	29	105	92	61	51	41	28	293	214	507
37	Diseases of other endocrine glands	3E	2	0	0	0	0	0	0	0	0	0	0	0	0	5	2	3	1	9	3	2	2	21	8	29	
38	Malnutrition	4E	0	0	1	0	1	0	0	0	0	0	0	1	0	1	0	2	2	7	4	4	4	17	10	27	
	Subtotal of Group 4		3	0	1	0	2	2	1	1	9	4	9	0	19	9	56	31	111	101	78	59	47	36	336	243	579
Group No. 5 : Mental & Behavioural Disorders																											
39	Mental & Behavioural disorder	1F	1	0	0	0	7	4	8	4	6	5	2	6	12	1	5	3	8	14	6	7	2	3	57	47	104
	Subtotal of Group 5		1	0	0	0	7	4	8	4	6	5	2	6	12	1	5	3	8	14	6	7	2	3	57	47	104
Group No.6 : Diseases of Nervous System																											
40	Encephalitis & Meningitis	1G	12	11	8	11	5	5	3	11	1	2	4	4	5	5	1	2	8	4	5	5	3	2	55	62	117
41	Epilepsy	2G	1	1	3	4	8	6	3	11	4	6	12	8	10	3	5	4	17	13	8	8	5	9	76	73	149
42	Hemiplegia	3G	0	0	1	0	1	1	2	3	5	7	20	15	45	32	138	86	317	280	235	190	209	181	973	795	1768
43	Other diseases of nervous system	4G	1	0	1	0	1	0	5	1	1	4	4	1	3	4	7	5	20	11	6	2	3	1	52	29	81
	Subtotal of Group 6		14	12	13	15	15	12	13	26	11	19	40	28	63	44	151	97	362	308	254	205	220	193	1156	959	2115
Group No. 7: diseases of Eye & adnexa																											
44	Diseases of eye & adnexa	1H	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	2	2	1	2	8	9	12	21	
	Sub total of Group 7		1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	2	2	1	2	8	9	12	21	

SURVEY OF CAUSES OF DEATHS SCHEME - 2011
CLSSIFICATION OF CAUSE OF DEATHS BY AGE & SEX (Total)

State Total

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. 8 : Diseases of ear & mastoid process																											
45	Diseases of ear & mastoid process	2H	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	1	1	4	4	2	4	8	10	18
	Sub total of Group 8		0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	1	1	4	4	2	4	8	10	18
Group No.9 : Diseases of Circulatory System																											
46	Acute rheumatic fever &	1I	3	0	0	0	1	1	2	0	2	4	4	1	10	4	10	5	14	13	11	9	9	8	66	45	111
47	Ischaemic heart diseases	2I	2	0	2	2	3	3	6	7	9	7	29	7	53	25	99	46	169	120	84	69	78	77	534	363	897
48	Other forms of heart diseases	3I	18	12	9	8	10	11	10	16	15	9	26	12	39	26	56	29	97	69	49	30	30	23	359	245	604
49	Cardiac Arrest	4I	6	8	4	0	9	6	15	21	46	23	111	60	213	111	294	180	581	438	310	289	187	205	1776	1341	3117
50	Congestive Cardiac failure	5I	1	0	0	0	1	2	2	3	6	2	8	4	22	10	42	16	43	47	40	24	24	22	189	130	319
51	Cerebral haemorrhage	6I	1	1	0	1	5	6	4	1	3	2	11	4	8	3	15	12	30	23	16	13	23	28	116	94	210
52	Other diseases related to heart	7I	2	1	2	0	1	1	1	1	4	2	2	2	3	3	8	7	18	47	15	10	22	14	78	88	166
	Sub total of Group 9		33	22	17	11	30	30	40	49	85	49	191	90	348	182	524	295	952	757	525	444	373	377	3118	2306	5424
Group No.10 : Diseases of Respiratory System																											
53	Pneumonia & Bronchitis	1J	80	61	26	24	15	8	4	6	5	4	5	4	7	3	5	10	28	21	8	10	9	8	192	159	351
54	Asthama	2J	1	5	0	0	4	1	5	6	11	7	25	18	72	46	229	161	943	854	540	458	461	452	2291	2008	4299
55	Other Diseases of Respiratory System	3J	3	4	2	5	1	2	5	6	1	3	13	2	6	7	18	9	40	43	33	34	47	18	169	133	302
	Subtotal of Group 10		84	70	28	29	20	11	14	18	17	14	43	24	85	56	252	180	1011	918	581	502	517	478	2652	2300	4952

SURVEY OF CAUSES OF DEATHS SCHEME - 2011
CLSSIFICATION OF CAUSE OF DEATHS BY AGE & SEX (Total)

State Total		Code No.	0 - 1		1 - 4		5 - 14		15 - 24		25 - 34		35 - 44		45 - 54		55 - 64		65 - 74		75 - 84		85 +		Total		
S.N.	CAUSE OF DEATH		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	0	0	0	0	3	3	3	2	8	3	4	4	9	4	11	6	20	26	9	10	3	8	70	66	136
57	Appendicitis	2K	0	0	2	1	2	2	2	0	4	5	3	2	4	3	6	4	11	5	6	5	7	3	47	30	77
58	Hernia	3K	0	0	0	0	0	0	3	0	0	0	2	0	2	0	2	0	7	2	8	0	4	3	28	5	33
59	Liver cirrhosis,Alcoholic liver	4K	1	0	1	1	6	5	15	3	46	4	114	11	104	18	98	20	107	38	38	16	34	13	564	129	693
60	Diseases of gallbladder,biliary tract	5K	2	0	0	0	2	1	1	1	2	2	6	0	8	4	12	3	9	10	4	8	11	3	57	32	89
61	Other diseases of Digestive System	6K	2	1	2	2	4	2	5	4	2	3	5	4	5	1	8	3	20	21	12	13	16	8	81	62	143
	Subtotal of Group 11		5	1	5	4	17	13	29	10	62	17	134	21	132	30	137	36	174	102	77	52	75	38	847	324	1171
GroupNo.12: Diseases of Skin & subcutaneous tissues																											
62	Diseases of skin & subcutaneous tissues	1L	0	1	0	0	1	1	0	0	0	1	0	0	1	1	1	0	6	2	1	1	3	1	13	8	21
	Subtotal of Group 12		0	1	0	0	1	1	0	0	0	1	0	0	1	1	1	0	6	2	1	1	3	1	13	8	21
Group No.13 : Diseases of musculoskeletal system & connective tissues																											
63	Diseases of	1M	0	0	0	0	0	1	2	0	3	0	2	1	2	1	3	3	8	12	7	10	6	10	33	38	71
	Subtotal of Group 13		0	0	0	0	0	1	2	0	3	0	2	1	2	1	3	3	8	12	7	10	6	10	33	38	71
Group No. 14: Diseases of Genitourinary System																											
64	Acute renal failure	1N	2	1	0	2	1	5	8	4	7	2	12	3	26	17	30	24	46	32	16	10	18	17	166	117	283
65	Chronic renal failure	2N	2	0	1	3	1	4	12	2	11	6	24	4	38	15	53	32	94	58	34	22	23	16	293	162	455
66	Diseases of male genital organs	3N	0	0	0	0	0	0	1	1	1	1	2	1	5	5	4	5	6	4	6	3	15	0	40	20	60
67	Diseases of breast & female genital organs	4N	0	0	0	0	0	0	0	2	0	2	0	2	3	4	2	5	1	2	5	4	0	2	11	23	34
68	Other diseases of genitory system	5N	0	0	0	0	0	0	2	3	1	0	1	1	3	1	8	3	5	10	11	4	14	1	45	23	68
	Subtotal of Group 14		4	1	1	5	2	9	23	12	20	11	39	11	75	42	97	69	152	106	72	43	70	36	555	345	900

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[illegible]

SURVEY OF CAUSES OF DEATHS SCHEME - 2011
CLASSIFICATION OF CAUSE OF DEATHS BY AGE & SEX (Total)

State Total

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.18 : Symptoms & signs in case of undiagnosed conditions																													
97	Symptoms & signs in case of undiagnosed condition	1R	6	1	10	1	10	2	9	9	5	2	5	2	13	5	17	20	63	85	13	30	13	34			164	191	355
	Subtotal of group No.18		6	1	10	1	10	2	9	9	5	2	5	2	13	5	17	20	63	85	13	30	13	34	164	191	355		
Group No. 19 : Injury , poisoning & certain other consequences of external causes																													
98	Accidental injuries	1S	8	7	19	9	34	16	103	36	110	30	142	28	131	26	77	26	81	44	37	19	26	19	768	260	1028		
99	Accidental burns	1T	0	1	2	3	2	0	8	29	6	29	10	26	7	6	9	10	6	12	1	2	2	3	53	121	174		
100	Frostbite	2T	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1	1	1	0	3	3	6		
101	Accidental poisoning	3T	1	0	3	1	4	1	17	13	10	8	21	6	19	4	6	4	7	3	2	0	0	0	90	40	130		
102	Snake bite	4T	1	1	5	3	11	10	12	11	8	6	10	5	16	6	8	4	9	7	1	2	1	3	82	58	140		
103	Effect of heat & light	5T	0	0	0	0	0	0	1	0	2	2	1	0	1	0	1	0	1	0	2	0	0	0	9	2	11		
104	Asphyxia	6T	18	10	3	0	0	0	0	0	1	0	1	1	0	0	2	0	3	0	2	0	0	0	30	11	41		
105	Accidental drowning	7T	4	1	13	16	28	8	29	20	28	16	21	11	21	12	27	7	12	9	3	3	2	4	188	107	295		
106	Exposure to electric current	1W	0	0	1	0	1	2	12	2	12	2	5	1	6	3	6	6	1	2	2	0	0	0	46	18	64		
107	Scorpion bites	1X	1	1	0	0	2	2	3	0	3	0	2	0	2	0	3	0	5	0	0	0	0	1	21	4	25		
108	Victim of lighting	2X	0	0	0	0	0	2	3	0	3	0	5	1	6	3	3	1	3	1	1	1	1	0	25	9	34		
109	Suicide	3X	1	0	0	1	4	7	66	68	82	51	78	39	53	20	59	13	25	13	7	3	3	1	378	216	594		
110	Homicide	4X	0	0	0	1	0	0	3	3	1	1	7	0	5	1	4	1	3	5	0	0	2	0	25	12	37		
111	Other diseases of Accidents & injuries & poisoning	5X	2	2	5	2	6	2	5	7	16	7	14	8	17	12	16	9	38	38	23	22	14	14					
	Subtotal of group No.19		36	23	51	36	92	50	262	190	282	152	317	126	284	93	221	81	195	135	82	53	52	45	1874	984	2858		
	Total		820	635	156	135	231	176	448	386	602	332	978	416	1249	624	1739	1019	3437	2953	1901	1602	1547	1413	13144	9691	22835		
	Unclassified S'durg																								313	354	667		
	Grand Total																								13457	10045	23502		

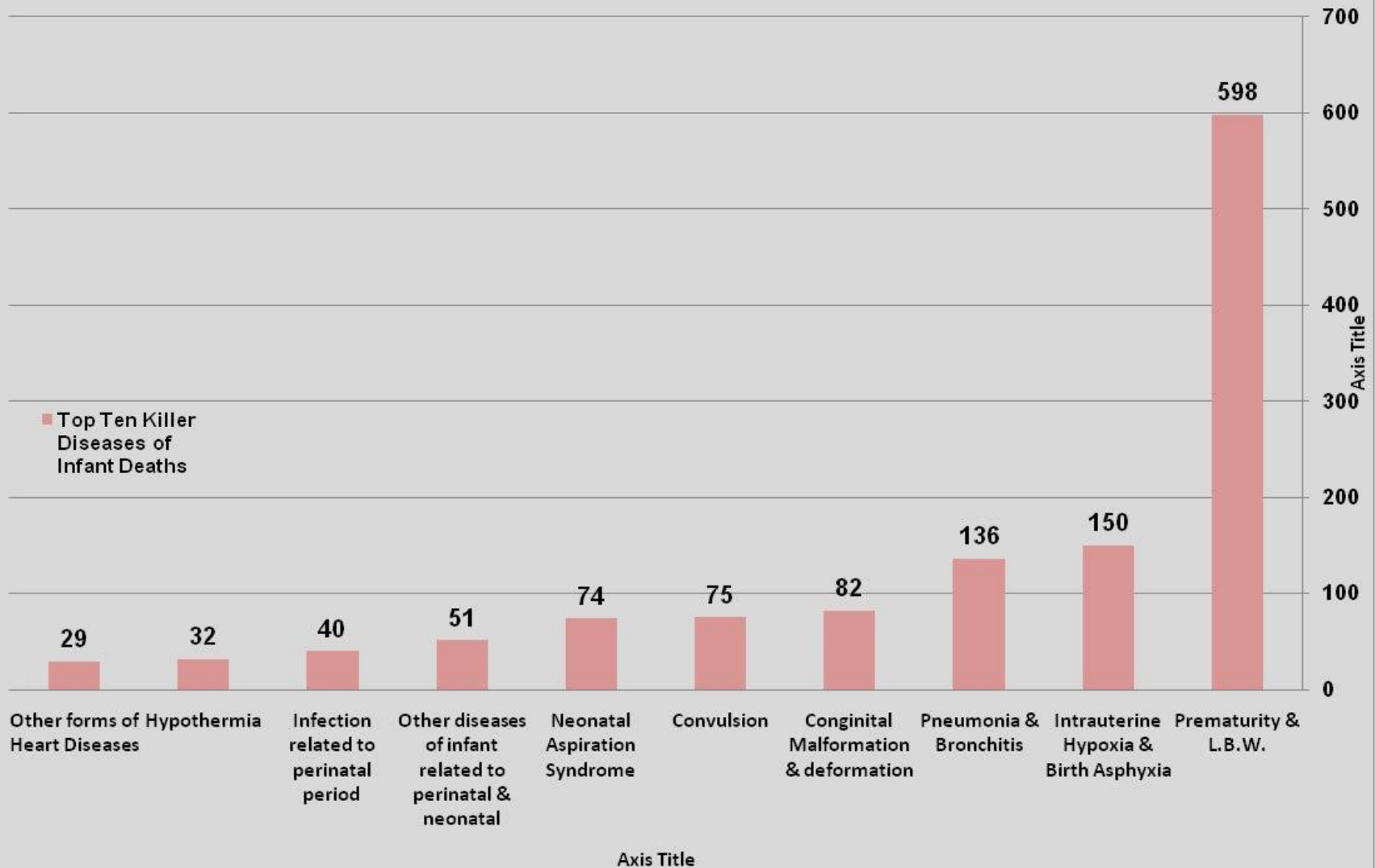
SURVEY OF CAUSES OF DEATHS SCHEME - 2011
CLSSIFICATION OF CAUSE OF DEATHS BY AGE & SEX (Total)

State Total		Code No.	0 - 1		1 - 4		5 - 14		15 - 24		25 - 34		35 - 44		45 - 54		55 - 64		65 - 74		75 - 84		85 +		Total		
S.N.	CAUSE OF DEATH		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	22	19	10	16	19	26	17	19	54	21	125	39	95	50	57	35	69	46	26	18	18	12	512	301	813	
	Group No.2: Cancer	3	1	11	3	7	12	25	26	41	23	61	54	102	102	199	146	241	262	99	95	65	60	854	784	1638	
	Group No.3 : Diseases of the blood	5	6	9	11	7	3	4	8	7	8	10	13	18	8	18	22	80	102	74	78	82	78	314	337	651	
	Group No.4 : Endocrine, Nutritional & metabolic diseases	3	0	1	0	2	2	1	1	9	4	9	0	19	9	56	31	111	101	78	59	47	36	336	243	579	
	Group 5 :Mental & Behavioural Diseases	1	0	0	0	7	4	8	4	6	5	2	6	12	1	5	3	8	14	6	7	2	3	57	47	104	
	Group No.6 : Diseases of Nervous System	14	12	13	15	15	12	13	26	11	19	40	28	63	44	151	97	362	308	254	205	220	193	1156	959	2115	
	Group No. 7: diseases of Eye & adnexa	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	2	2	1	2	8	9	12	21		
	Group No. 8 : Diseases of ear & mastoid process	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	1	1	4	4	2	4	8	10	18	
	Group No.9 : Diseases of Circulatory System	33	22	17	11	30	30	40	49	85	49	191	90	348	182	524	295	952	757	525	444	373	377	3118	2306	5424	
	Group No.10 : Diseases of Respiratory System	84	70	28	29	20	11	14	18	17	14	43	24	85	56	252	180	1011	918	581	502	517	478	2652	2300	4952	
	Group No.11: Diseases of Digestive System	5	1	5	4	17	13	29	10	62	17	134	21	132	30	137	36	174	102	77	52	75	38	847	324	1171	
	GroupNo.12: Diseases of Skin & subcutaneous tissues	0	1	0	0	1	1	0	0	0	1	0	0	1	1	1	0	6	2	1	1	3	1	13	8	21	
	Group No.13 : Diseases of musculoskeletal system & connective tissues	0	0	0	0	0	1	2	0	3	0	2	1	2	1	3	3	8	12	7	10	6	10	33	38	71	
	Group No. 14: Diseases of Genitourinary System	4	1	1	5	2	9	23	12	20	11	39	11	75	42	97	69	152	106	72	43	70	36	555	345	900	
	Group No. 15 : Diseases related to pregnancy, child birth & Puerperium	0	0	0	0	0	0	0	13	0	5	0	1	0	0	0	0	0	0	0	0	0	0	0	19	19	
	Group No.16 : Certain conditions originating in the perinatal period	594	444	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	594	444	1038	
	Group No. 17: Congenital malformations deformations & chromosomol abnormalities	45	34	0	4	2	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	48	39	87	
	Group No.18 : Symptoms & signs in case of undiagnosed conditions	6	1	10	1	10	2	9	9	5	2	5	2	13	5	17	20	63	85	13	30	13	34	164	191	355	
	Group No. 19 : Injury , poisoning & certain other consequences of external causes	36	23	51	36	92	50	262	190	282	152	317	126	284	93	221	81	195	135	82	53	52	45	1874	984	2858	

Infant Mortality Analysis

- * Top ten killer diseases of Infants
- * Top five killer diseases of early neonates
- * Top five killer diseases of late neonates
- * Top five killer diseases of post neonates
- * Infant deaths by age, sex and causes

Top Ten Killer Diseases of Infant Deaths - 2011



Survey of Causes of Deaths Scheme (Rural) - 2011

Top Ten Killer Diseases of Infant Deaths

S.N.	Disease	Male	Female	Total	% to total Infant Deaths (1491)
1	Prematurity & L.B.W.	334	264	598	40.0
2	Intrauterine Hypoxia & Birth Asphyxia	86	64	150	10.0
3	Pneumonia & Bronchitis	79	57	136	9.1
4	Conginital Malformation & deformation	42	40	82	5.4
5	Convulsion	43	32	75	5.0
6	Neonatal Aspiration Syndrome	40	34	74	4.9
7	Other diseases of infant related to perinatal & neonatal	29	22	51	3.4
8	Infection related to perinatal period	19	21	40	2.6
9	Hypothermia	21	11	32	2.1
10	Other forms of Heart Diseases	17	12	29	1.9
	Total	710	557	1267	85

Survey of Causes of Deaths Scheme (Rural) - 2011

Mejor Killer Diseases of Neonatal Group (0-28 days)

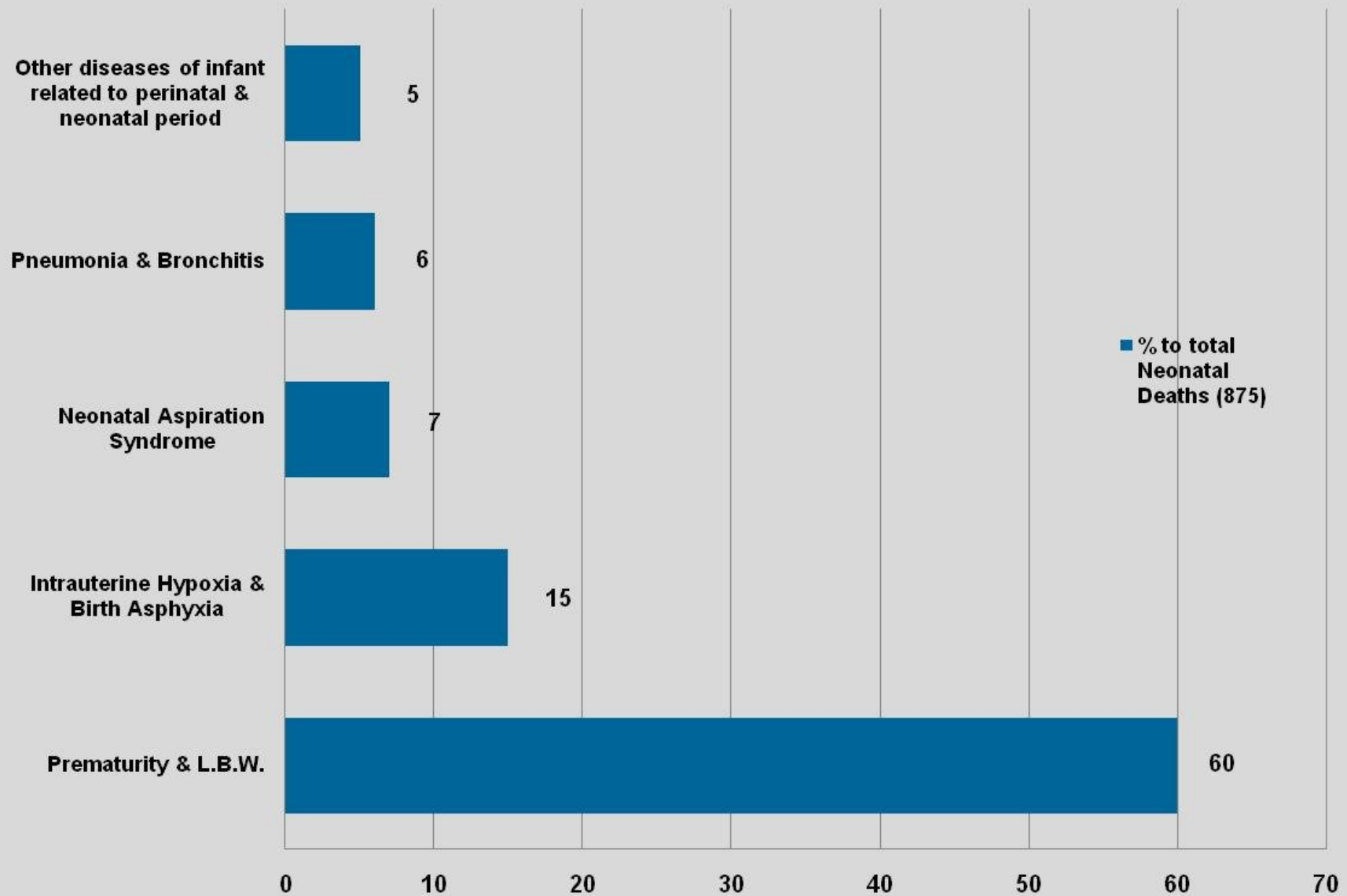
S.N.	Disease	Male	Female	Total	% to total Neonatal Deaths (875)	% to total Infant Deaths (1491)
1	Prematurity & L.B.W.	300	223	523	60	35
2	Intrauterine Hypoxia & Birth Asphyxia	78	50	128	15	9
3	Neonatal Aspiration Syndrome	37	28	65	7	4
4	Pneumonia & Bronchitis	37	20	57	6	4
5	Other diseases of infant related to perinatal & neonatal period	25	16	41	5	3
	Total	477	337	814	93	55

Survey of Causes of Deaths Scheme (Rural) - 2011

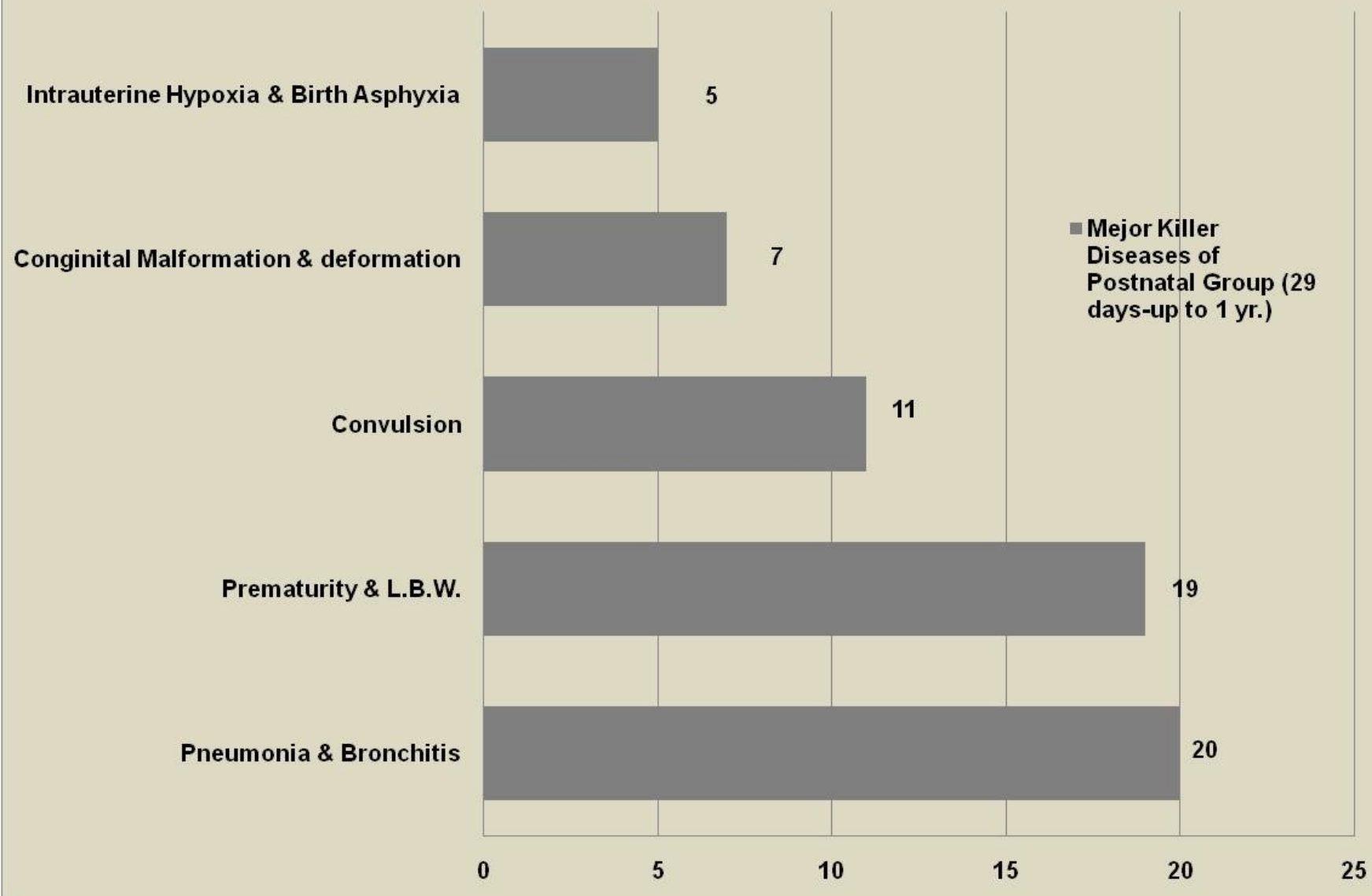
Mejor Killer Diseases of Postnatal Group (29 days-up to 1 yr.)

S.N.	Disease	Male	Female	Total	% to total Postnatal Deaths (403)	% to total Infant Deaths (1491)
1	Pneumonia & Bronchitis	42	37	79	20	5
2	Prematurity & L.B.W.	34	41	75	19	5
3	Convulsion	22	22	44	11	3
4	Conginital Malformation & deformation	16	14	30	7	2
5	Intrauterine Hypoxia & Birth Asphyxia	8	14	22	5	1
	Total	122	128	250	62	17

% Meior Killer Diseases of Neonatal Group (0-28 days) - 2011



% Meior Killer Diseases of Postnatal Group (29 days-up to 1 yr.) - 2011



SURVEY OF CAUSES OF DEATHS SCHEME - 2011
CLASSIFICATION OF CAUSES OF INFANT DEATHS BY AGE & SEX (Total)

State Total

S.N.	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	2	1	1	3	3	4	7
3	Dysentery	3A	0	0	0	0	0	1	0	1	1
4	Diarrhoeal Diseases & Gastroenteritis	4A	0	1	1	0	4	0	5	1	6
5	Pulmonary Tuberculosis	5A	0	0	0	0	0	0	0	0	0
6	Extra Pul. T.B.	6A	0	0	1	0	0	0	1	0	1
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	1	0	0	0	1	1
16	Measles	2B	0	0	0	0	1	1	1	1	2
17	Viral hepatitis	3B	2	2	1	2	1	2	4	6	10
18	H.I.V.	4B	1	0	1	0	0	2	2	2	4
19	Malaria	5B	0	0	0	0	0	0	0	0	0
20	Other infectious & Parasitic Diseases	6B	3	0	2	0	3	3	8	3	11
	Sub total of Group 1		6	3	8	4	10	12	24	19	43

S.N.	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.2: Cancer											
21	Cancer of lips,mouth, tongue,& throat	1C	1	0	0	0	0	0	1	0	1
22	Cancer of Digestive Organs	2C	0	0	0	0	1	0	1	0	1
23	Cancer of Resppiratory & intrathoracic organs	3C	0	0	0	0	0	0	0	0	0
24	Cancer of Breast	4C	0	0	0	0	0	0	0	0	0
25	Cancer of bone & cartilage	5C	0	0	0	0	0	0	0	0	0
26	Cancer of female genital organs	6c	0	0	0	0	0	0	0	0	0
27	Cancer of male genital organs	7c	0	0	0	0	0	0	0	0	0
28	Cancer of urinary trac	8C	0	0	0	0	0	0	0	0	0
29	cancer of eye,brain,& other part of central nervous system	9C	0	0	0	0	0	1	0	1	1
30	Cancer of lymphoid	10C	0	0	0	0	1	0	1	0	1
31	Cancer of other organs	11c	0	0	0	0	0	0	0	0	0
	Sub total of Group 2		1	0	0	0	2	1	3	1	4
Group No.3 : Diseases of the blood forming organs & certain disorders involving the immune mechanism											
32	Anaemia - all types	1D	3	2	1	1	1	1	5	4	9
33	Coagulation defect	2D	0	0	0	0	0	0	0	0	0
34	Other diseases related to blood formation	3D	0	1	0	0	0	0	0	1	1
	Subtotal of Group 3		3	3	1	1	1	1	5	5	10

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S.N.	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.9 : Diseases of Circulatory System											
46	Acute rheumatic fever & chronic heart disease	1I	1	0	1	0	0	0	2	0	2
47	Ischaemic heart diseases	2I	1	0	0	0	1	0	2	0	2
48	Other forms of heart diseases	3I	6	2	3	1	8	9	17	12	29
49	Cardiac Arrest	4I	2	3	0	2	4	3	6	8	14
50	Congestive Cardiac failure	5I	0	0	0	0	2	0	2	0	2
51	Cerebral haemorrhage	6I	0	0	0	0	1	1	1	1	2
52	Other diseases related to heart	7I	0	1	1	0	1	0	2	1	3
	Sub total of Group 9		10	6	5	3	17	13	32	22	54
Group No.10 : Diseases of Repiratory System											
53	Pneumonia & Bronchitis	1J	27	11	10	9	42	37	79	57	136
54	Asthama	2J	1	2	0	1	0	2	1	5	6
55	Other Diseases of Respiratory System	3J	3	3	0	0	0	1	3	4	7
	Subtotal of Group 10		31	16	10	10	42	40	83	66	149

S.N.	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.11: Diseases of Digestive System											
56	Peptic Ulcer	1K	0	0	0	0	0	0	0	0	0
57	Appendicitis	2K	0	0	0	0	0	0	0	0	0
58	Hernia	3K	0	0	0	0	0	0	0	0	0
59	Liver cirrhosis,Alcoholic liver	4K	0	0	0	0	1	0	1	0	1
60	Diseases of gallbladder,biliary tract & pancreas	5K	0	0	1	0	1	0	2	0	2
61	Other diseases of Digestive System	6K	1	0	1	0	0	3	2	3	5
	Subtotal of Group 11		1	0	2	0	2	3	5	3	8
GroupNo.12: Diseases of Skin & subcutaneous tissues											
62	Diseases of skin & subcutaneous tissues	1L	0	1	0	0	0	0	1	0	1
	Subtotal of Group 12		0	1	0	0	0	0	1	0	1
Group No.13 : Diseases of musculoskeletal system & connective tissues											
63	Diseases of Musculoskeletal System	1M	0	0	0	0	0	0	0	0	0
	Subtotal of Group 13		0	0	0	0	0	0	0	0	0
Group No. 14: Diseases of Genitourinary System											
64	Acute renal failure	1N	1	0	1	0	0	1	2	1	3
65	Chronic renal failure	2N	1	0	0	0	0	0	1	0	1
66	Diseases of male genital organs	3N	0	0	0	0	0	0	0	0	0
67	Diseases of breast & female genital organs	4N	0	0	0	0	0	0	0	0	0
68	Other diseases of genitory system	5N	0	0	0	0	0	0	0	0	0
	Subtotal of Group 14		2	0	1	0	0	1	3	1	4

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S.N.	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.16 : Certain conditions originating in the perinatal period											
85	Fetus & new born affected by maternal factors & by complication of pregnancy, labour & delivery	1P	4	1	1	0	1	0	6	1	7
86	Intrauterine growth retardation	2P	6	4	1	0	0	2	7	6	13
87	Conditions related to premature & L.B.W. baby	3P	241	174	59	49	34	41	334	264	598
88	Birth trauma	4P	3	1	0	2	0	0	3	3	6
89	Intrauterine hypoxia & birth asphyxia	5P	65	42	13	8	8	14	86	64	150
90	Neonatal Aspiration syndrome	6P	32	24	5	4	3	6	40	34	74
91	Infections specific to the perinatal period	7P	7	9	6	6	6	6	19	21	40
92	Haemorrhagic & Haematological Disorders of fetus & newborn	8P	1	1	2	0	2	2	5	3	8
93	Hypothermia	9P	15	4	3	1	3	6	21	11	32
94	Convulsions	10P	14	8	12	6	17	18	43	32	75
95	Other diseases of infant related to perinatal & neonatal period	11P	20	13	5	3	4	6	29	22	51
	Subtotal of Group 16		408	281	107	79	78	101	593	461	1054
Group No. 17: Congenital malformations deformations & chromosomol abnormalities											
96	Congenital malformations, deformations & chromosomal abnormalities	1Q	14	6	6	3	16	14	42	40	82
	Subtotal of group 17		14	6	6	3	16	14	42	40	82

S.N.	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.18 : Symptoms & signs in case of undiagnosed conditions											
97	Symptoms & signs in case of undiagnosed condition	1R	1	1	2	1	2	1	8	1	9
	Subtotal of group No.18		1	1	2	1	2	1	8	1	9
Group No. 19 : Injury , poisoning & certain other consequences of external causes											
98	Accidental injuries	1S	1	0	1	0	6	6	8	6	14
99	Accidental burns	1T	0	0	0	0	0	1	0	1	1
100	Frostbite	2T	0	0	0	0	0	0	0	0	0
101	Accidental poisoning	3T	0	0	0	0	1	0	1	0	1
102	Snake bite	4T	0	0	0	0	1	1	1	1	2
103	Effect of heat & light	5T	0	0	0	0	0	0	0	0	0
104	Asphyxia	6T	6	3	6	0	5	0	17	3	20
105	Accidental drowning	7T	0	0	2	0	2	1	4	1	5
106	Exposure to electric current	1W	0	0	0	0	0	0	0	0	0
107	Scorpion bites	1X	0	0	0	0	2	2	2	2	4
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 Accidents & injuries & poisoning	5X	0	1	1	0	2	3	3	4	7
	Subtotal of group No.19		7	4	10	0	19	14	36	18	54
	Grand Total		492	323	156	106	194	206	842	635	1477
	Un Classified (S'Durg)		6	4	0	1	2	1	8	6	14
			498	327	156	107	196	207	850	641	1491

S.N.	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		6	3	8	4	10	12	24	19	43
	Group No.2: Cancer		1	0	0	0	2	1	3	1	4
	Group No.3 : Diseases of the blood forming		3	3	1	1	1	1	5	5	10
	Group No.4 : Endocrine, Nutritional & metabolic diseases		2	0	1	0	0	0	3	0	3
	Group 5 :Mental & Behavioural Diseases		1	0	0	0	0	0	1	0	1
	Group No.6 : Diseases of Nervous System		5	2	3	5	5	5	13	12	25
	Group No. 7: diseases of Eye & adnexa		0	0	0	0	0	0	0	1	1
	Group No. 8 : Diseases of ear & mastoid process		0	0	0	0	0	0	0	0	0
	Group No.9 : Diseases of Circulatory System		10	6	5	3	17	13	32	22	54
	Group No.10 : Diseases of Respiratory System		31	16	10	10	42	40	83	66	149
	Group No.11: Diseases of Digestive System		1	0	2	0	2	3	5	3	8
	GroupNo.12: Diseases of Skin & subcutaneous tissues		0	1	0	0	0	0	1	0	1
	Group No.13 : Diseases of musculoskeletal system & connective tissues		0	0	0	0	0	0	0	0	0
	Group No. 14: Diseases of Genitourinary System		2	0	1	0	0	1	3	1	4
	Group No. 15 : Diseases related to pregnancy, child birth & Puerperium		0	0	0	0	0	0	0	0	0
	Group No.16 : Certain conditions originating in the perinatal period		408	281	107	79	78	101	593	461	1054
	Group No. 17: Congenital malformations deformations & chromosomal abnormalities		14	6	6	3	16	14	42	40	82
	Group No.18 : Symptoms & signs in case of undiagnosed conditions		1	1	2	1	2	1	8	1	9
	Group No. 19 : Injury , poisoning & certain other consequences of external causes		7	4	10	0	19	14	36	18	54
	Total		492	323	156	106	194	206	842	635	1477