

CHAPTER – 4

ESTIMATES OF MORTALITY INDICATORS

Mortality is one of the basic components of population change and the related data is essential for demographic studies and public health administration. It is the principal ingredient for population projections and life tables. Information on death events recorded in SRS is used to estimate mortality indicators. The various measures of mortality published under SRS are Crude Death Rate (CDR), Under-five Mortality Rate (U5MR), Infant Mortality Rate (IMR) and its components, Age Specific Mortality Rates (ASMR), Still Birth Rate (SBR) and Peri-Natal Mortality Rate (PMR).

4.2 SRS has continued to provide data for estimating various mortality measures since its inception. The crude death rate at all India level has declined significantly from 14.9 to 12.5 during 1971 to 1981 and thereafter from 9.8 to 6.4 during 1991 to 2016. The decline has been steeper in rural areas as compared to urban areas. The infant mortality rate, which plays an important role in health planning, has shown a considerable decline from 129 per 1000 live births in 1971 to 110 in 1981 and from 80 in 1991 to 34 in 2016. The child mortality rate has depicted a perceptible decline from 51.9 in 1971 to 41.2 in 1981 and from 26.5 in 1991 to 9.4 in 2016. In 2016, about 44.4 percent of the deaths were institutional and 55.6 percent received medical attention other than in institutions.

4.3 Apart from the all India scenario, this chapter presents data on mortality indicators for bigger States/UTs by sex, residence and broad age groups. Besides Under-five mortality rate, it includes data on infant mortality and its component viz., neo-natal mortality and post neo-natal, peri-natal mortality and changes in mortality over the last decade. It also includes data on medical attention before death. Chart 72 depicts crude death rate by residence, India and bigger States/UTs, 2016.

4.4 Apart from the mortality indicators at State and National levels, this report also includes estimates of death rates at sub-State, viz. NSS Natural Division Level. The Table 11 in the annexure to this report contains data on death rate and infant mortality rate besides birth rate for 71 Natural Divisions of 22 bigger States/UTs.

4.5 Statement 40 below provides the Crude Death Rate (CDR) by residence for India and bigger States/UTs for the year 2016. The CDR at national level is 6.4 varying from 6.9 in rural to 5.4 in urban areas. Among the bigger States/UTs, it varies from 4.0 in Delhi to 7.8 in Odisha. The States having death rate higher than or equal to the National level are Tamil Nadu 6.4, Uttarakhand 6.7, Assam 6.7, Karnataka 6.7, Himachal Pradesh 6.8, Andhra Pradesh 6.8, Uttar Pradesh 6.9, Madhya Pradesh 7.1, Chhattisgarh 7.4, Kerala 7.6 and Odisha 7.8. The graphical representation of death rate of bigger States/UTs by residence is depicted in Chart 72. Distribution of bigger States/UTs by level of CDR in rural and urban areas is shown in Chart 73. The estimated age-specific death rate by sex and residence for India and bigger States/UTs has been detailed in Table 8.

Statement 40

CDR (Crude Death Rates) by residence, India and bigger States/UTs, 2016

India and bigger States/UTs	Total	Rural	Urban
India	6.4	6.9	5.4
Andhra Pradesh	6.8	7.7	4.9
Assam	6.7	7.1	4.9
Bihar	6.0	6.1	5.5
Chhattisgarh	7.4	7.8	6.2
Delhi	4.0	4.5	4.0
Gujarat	6.1	6.5	5.5
Haryana	5.9	6.3	5.1
Himachal Pradesh	6.8	7.0	4.3
Jammu & Kashmir	5.0	5.2	4.4
Jharkhand	5.5	5.8	4.7
Karnataka	6.7	7.9	4.9
Kerala	7.6	7.3	7.8
Madhya Pradesh	7.1	7.6	5.7
Maharashtra	5.9	6.9	4.6
Odisha	7.8	8.1	6.1
Punjab	6.0	6.6	5.1
Rajasthan	6.1	6.4	5.2
Tamil Nadu	6.4	7.1	5.7
Telangana	6.1	7.1	4.6
Uttar Pradesh	6.9	7.3	5.5
Uttarakhand	6.7	7.0	5.9
West Bengal	5.8	5.7	6.1

Chart 72: Crude death rates by residence, India and bigger States/UTs, 2016

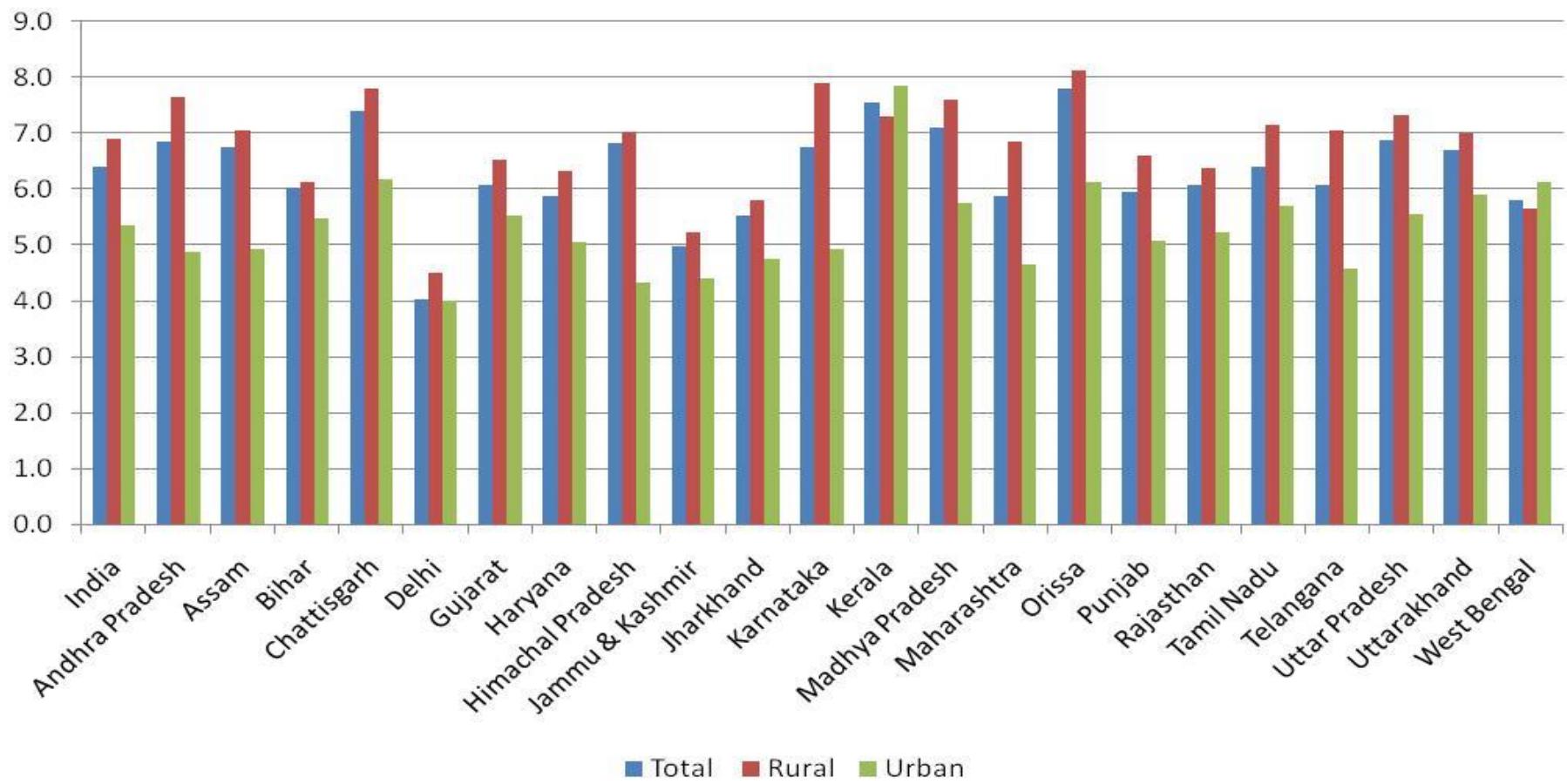
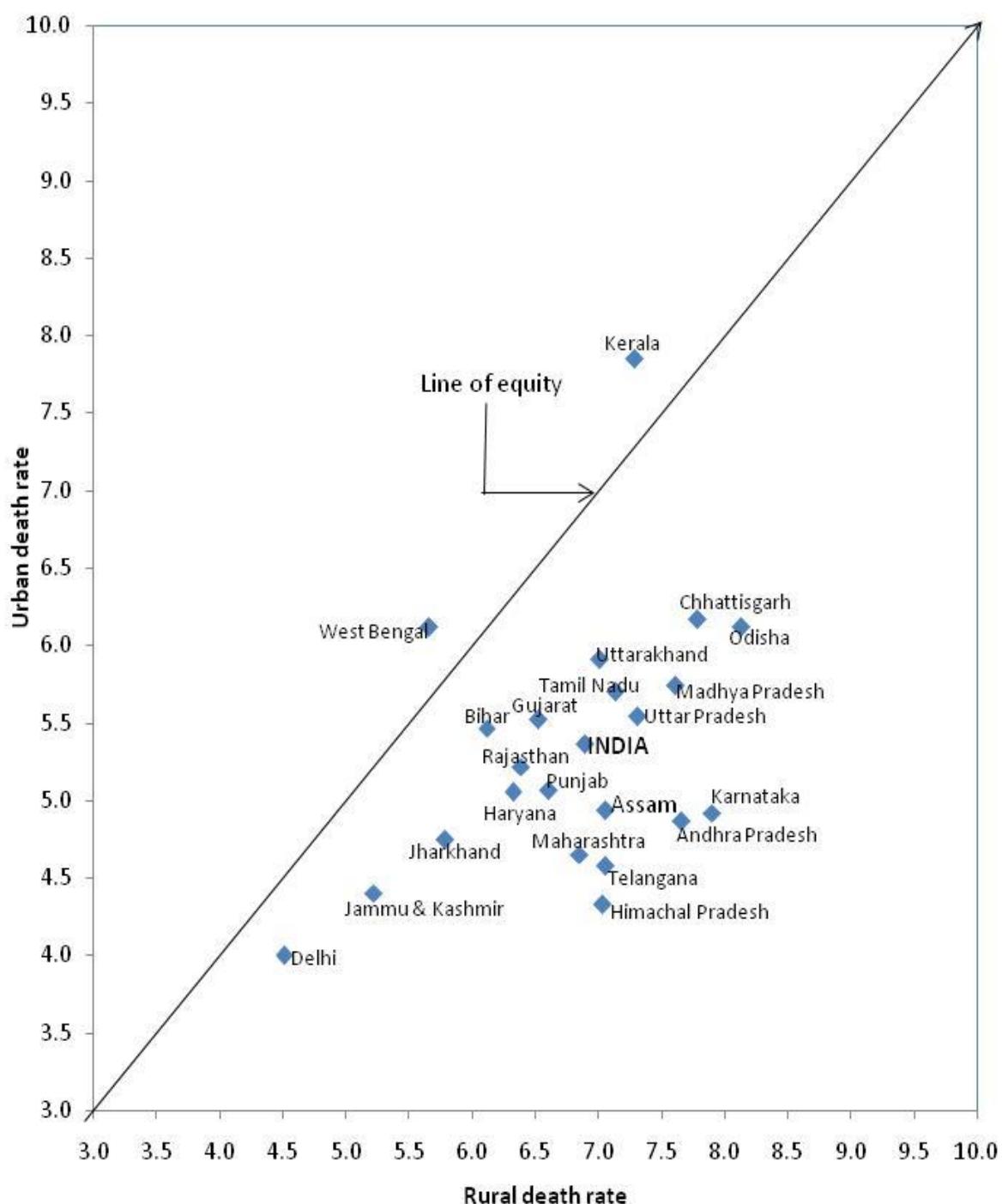


Chart 73: Distribution of bigger States/UTs by values of death rate for rural and urban areas, 2016



4.6 Statement 41 given below shows the percentage change in the level of Crude Death Rate between the period 2004-06 and 2014-16 for India and bigger States/UTs. During this period CDR in India has declined by 13.3 percent. In Kerala, average CDR have shown marginal increase during 2004-06 to 2014-16 period, which could possibly be due to the changes in age structure of the population.

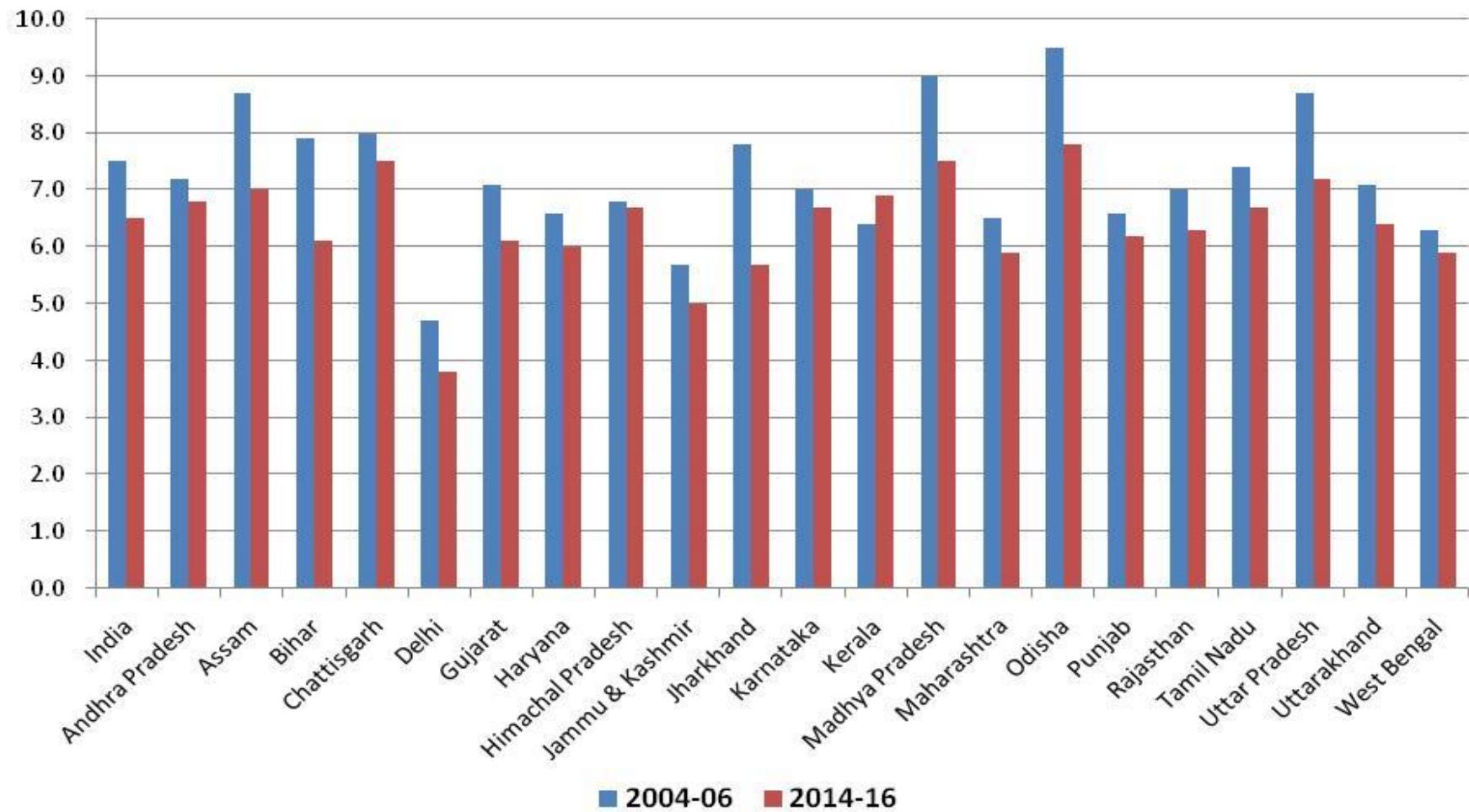
Statement 41

Percentage change in average Crude Death Rate between 2004-06 and 2014-2016, by residence, India and bigger States/UTs

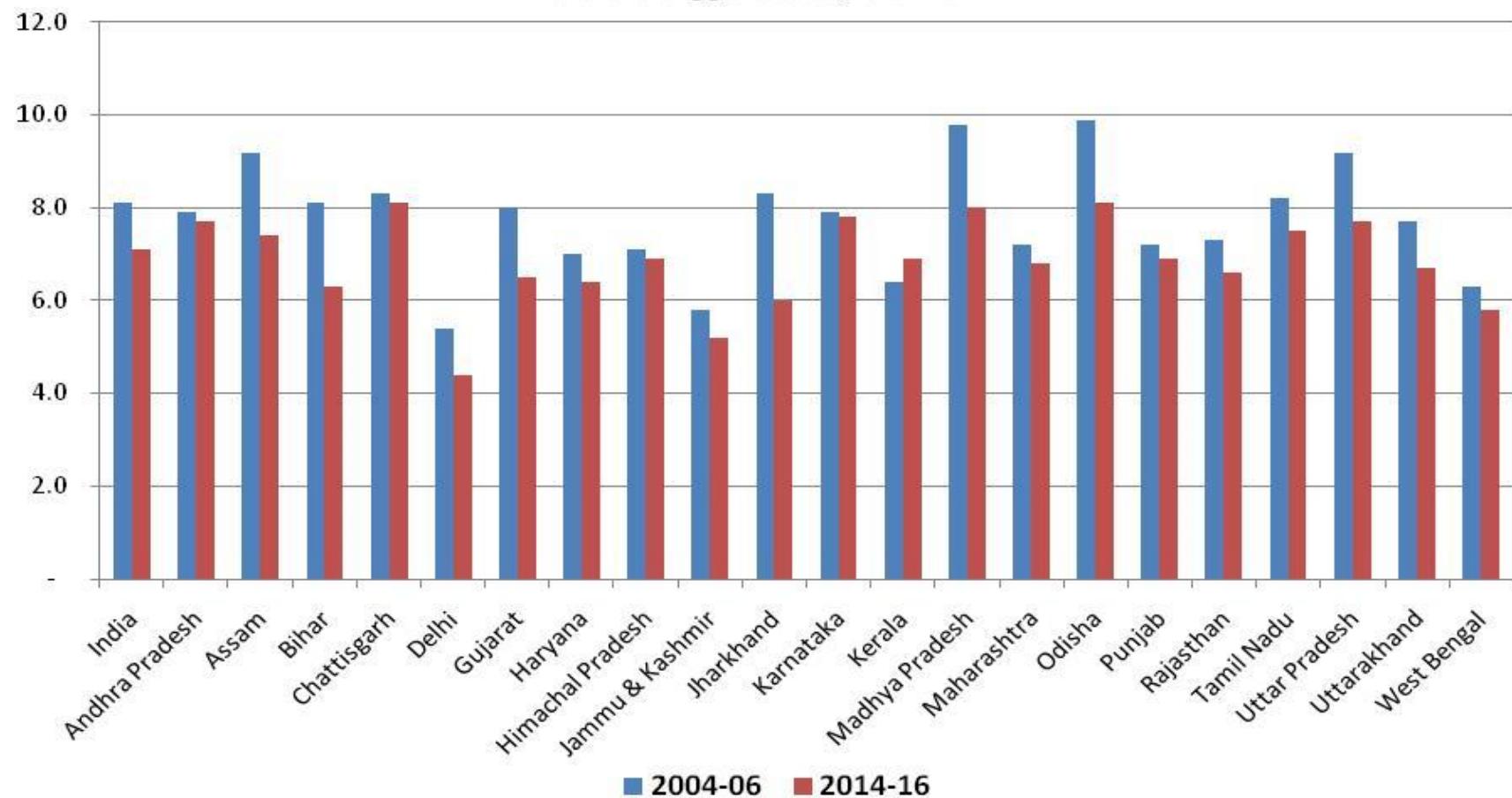
India and bigger States/UTs	Total			Rural			Urban		
	2004- 06	2014- 16	% Change	2004- 06	2014- 16	% Change	2004- 06	2014- 16	% Change
India	7.5	6.5	-13.3	8.1	7.1	-12.3	5.9	5.4	-8.5
Andhra Pradesh*	7.2	6.8	-5.6	7.9	7.7	-2.5	5.6	4.9	-12.5
Assam	8.7	7.0	-19.5	9.2	7.4	-19.6	5.7	5.1	-10.5
Bihar	7.9	6.1	-22.8	8.1	6.3	-22.2	6.2	5.3	-14.5
Chhattisgarh	8.0	7.5	-6.3	8.3	8.1	-2.4	6.4	5.9	-7.8
Delhi	4.7	3.8	-19.1	5.4	4.4	-18.5	4.6	3.8	-17.4
Gujarat	7.1	6.1	-14.1	8.0	6.5	-18.8	5.7	5.6	-1.8
Haryana	6.6	6.0	-9.1	7.0	6.4	-8.6	5.7	5.4	-5.3
Himachal Pradesh	6.8	6.7	-1.5	7.1	6.9	-2.8	4.7	4.2	-10.6
Jammu & Kashmir	5.7	5.0	-12.3	5.8	5.2	-10.3	5.1	4.4	-13.7
Jharkhand	7.8	5.7	-26.9	8.3	6.0	-27.7	5.5	4.9	-10.9
Karnataka	7.0	6.7	-4.3	7.9	7.8	-1.3	5.5	5.0	-9.1
Kerala	6.4	6.9	7.8	6.4	6.9	7.8	6.5	6.9	6.2
Madhya Pradesh	9.0	7.5	-16.7	9.8	8.0	-18.4	6.2	5.9	-4.8
Maharashtra	6.5	5.9	-9.2	7.2	6.8	-5.6	5.6	4.7	-16.1
Odisha	9.5	7.8	-17.9	9.9	8.1	-18.2	7.0	6.3	-10.0
Punjab	6.6	6.2	-6.1	7.2	6.9	-4.2	5.7	5.1	-10.5
Rajasthan	7.0	6.3	-10.0	7.3	6.6	-9.6	6.1	5.2	-14.8
Tamil Nadu	7.4	6.7	-9.5	8.2	7.5	-8.5	6.5	6.0	-7.7
Uttar Pradesh	8.7	7.2	-17.2	9.2	7.7	-16.3	6.5	5.7	-12.3
Uttarakhand	7.1	6.4	-9.9	7.7	6.7	-13.0	5.1	5.6	9.8
West Bengal	6.3	5.9	-6.3	6.3	5.8	-7.9	6.3	6.2	-1.6

* Andhra Pradesh includes Telangana.

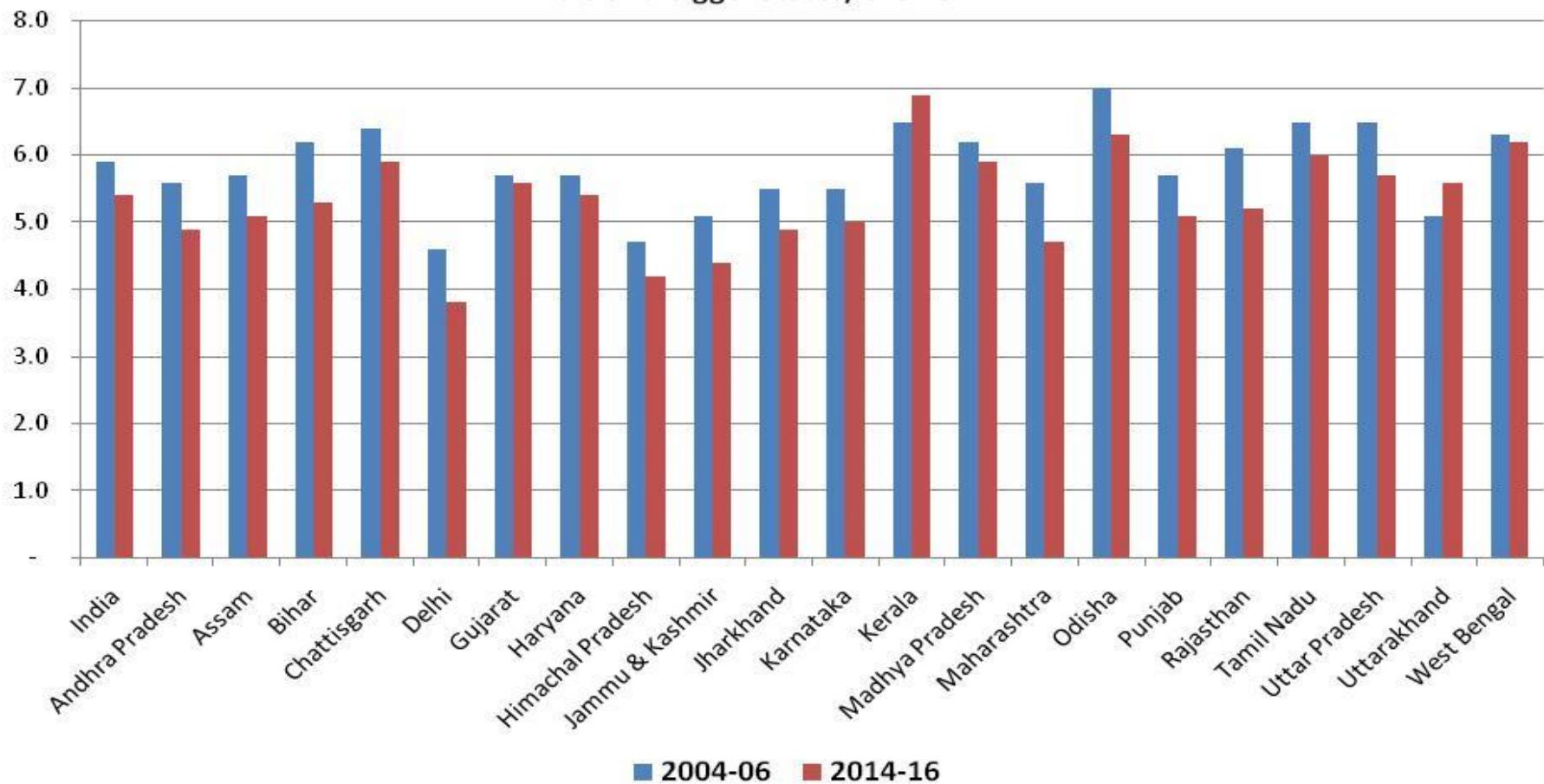
Chart 74: Average Death rate between 2004-06 & 2014-16, India and bigger States/UTs



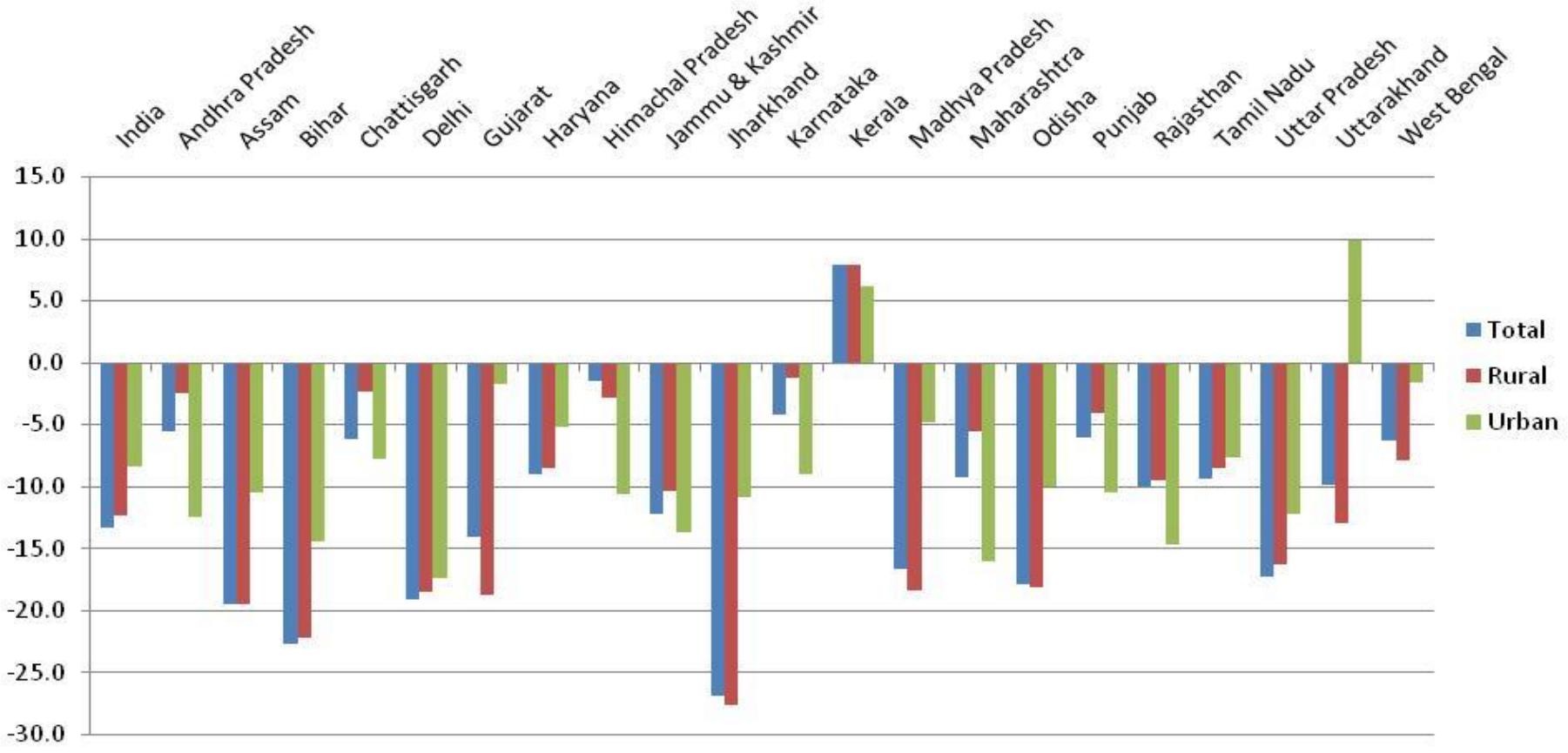
**Chart 75: Average Death rate between 2004-06 & 2014-16,
India and bigger States/UTs -RURAL**



**Chart 76: Average Death rate between 2004-06 & 2014-16,
India and bigger States/UTs - URBAN**



**Chart 77: Percentage change in average death rates between 2004-06 and 2014-16,
India and bigger States/UTs**

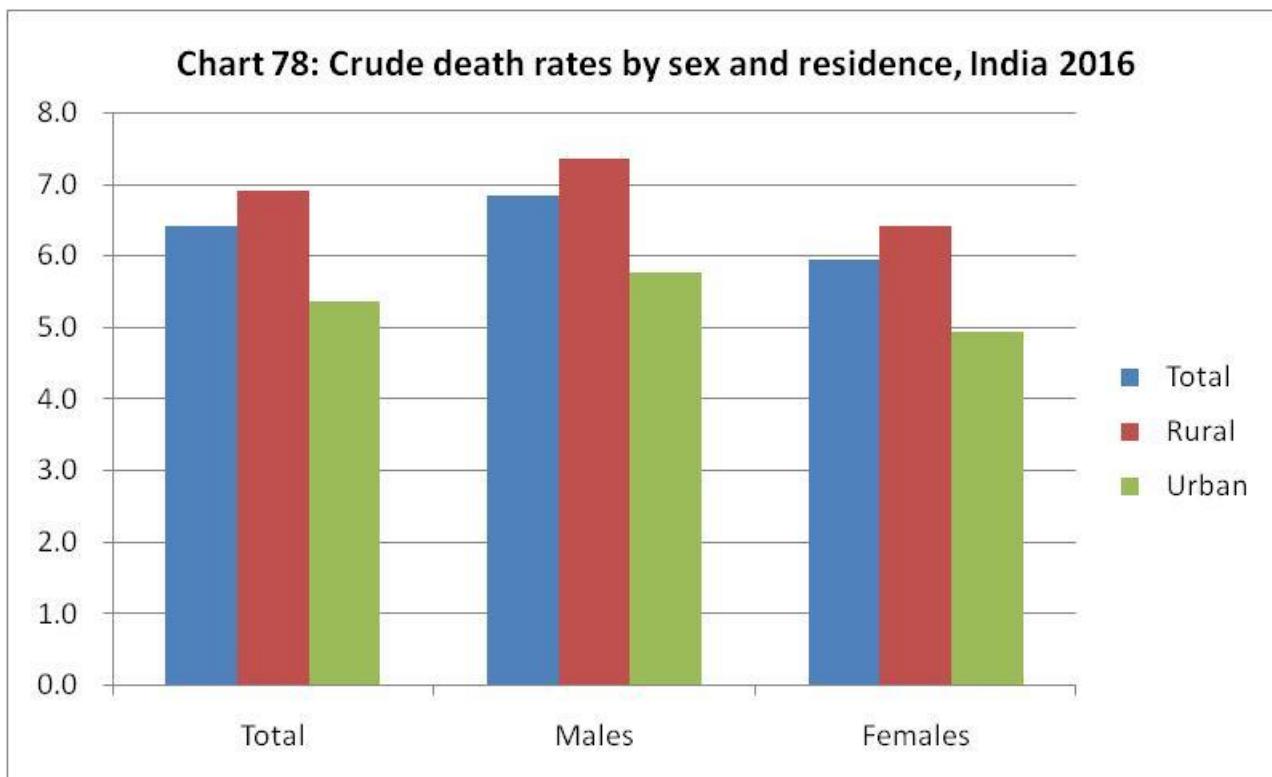


4.7 Statement 42 given below presents the estimated Crude Death Rate for India by residence separately for males and females. It is observed that female death rate is lower than male death rate both in rural and urban areas. Chart 78 represents the crude death rate by sex and residence for India.

Statement 42

Crude Death Rate by sex and residence, India, 2016

Residence	Total	Males	Females
Total	6.4	6.8	5.9
Rural	6.9	7.3	6.4
Urban	5.4	5.8	4.9



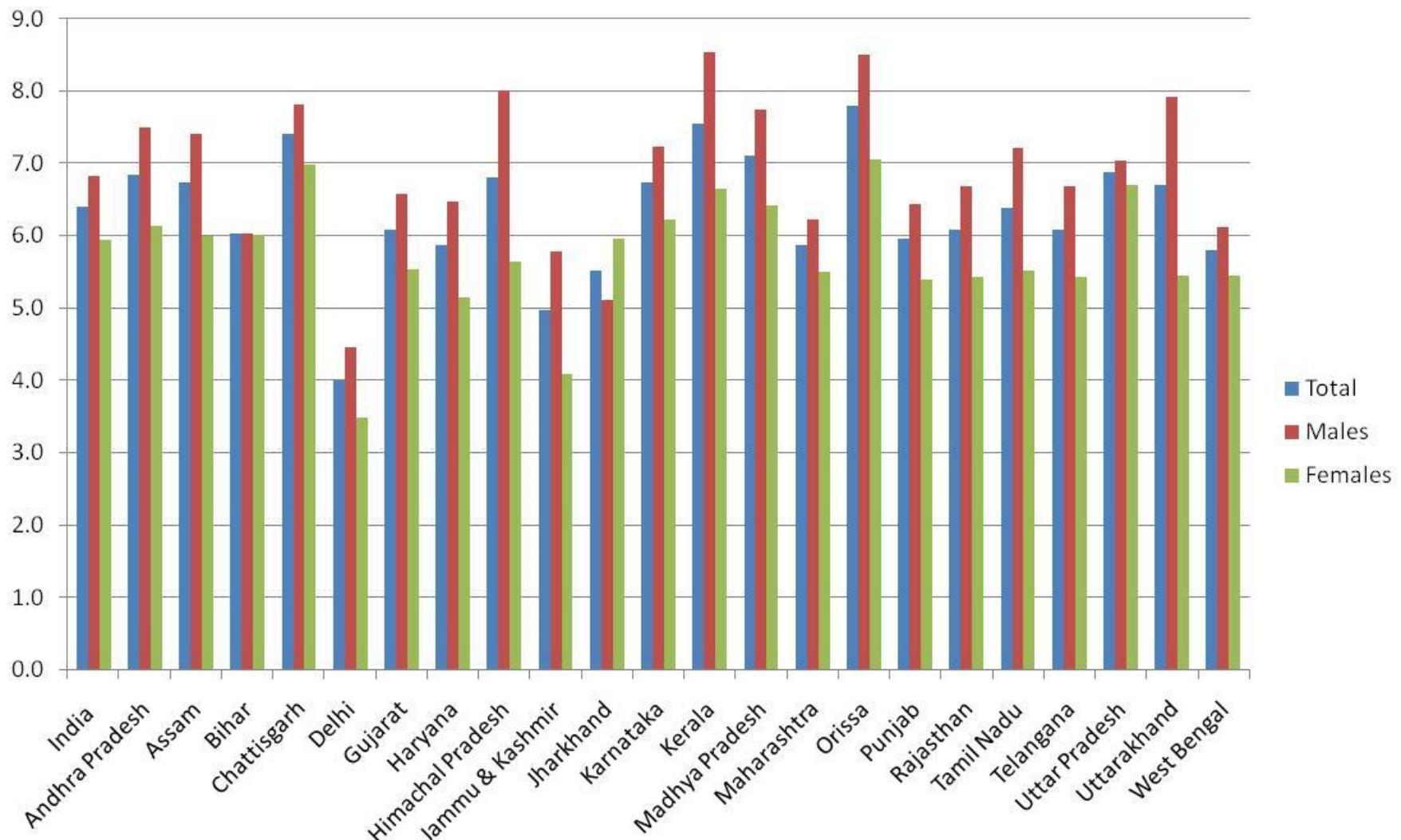
4.8 Crude death rates for males and females in the bigger States/UTs are shown below in Statement 43. It is observed that male death rate exceeds female death rate in all bigger States/UTs except Bihar and Jharkhand where male death rate is equal and lower by 0.9 point respectively than the female death rate.

Statement 43

Crude Death Rate by sex, India and bigger States/UTs, 2016

India and bigger States/UTs	Total	Males	Females
India	6.4	6.8	5.9
Andhra Pradesh	6.8	7.5	6.1
Assam	6.7	7.4	6.0
Bihar	6.0	6.0	6.0
Chhattisgarh	7.4	7.8	7.0
Delhi	4.0	4.5	3.5
Gujarat	6.1	6.6	5.5
Haryana	5.9	6.5	5.2
Himachal Pradesh	6.8	8.0	5.6
Jammu & Kashmir	5.0	5.8	4.1
Jharkhand	5.5	5.1	6.0
Karnataka	6.7	7.2	6.2
Kerala	7.6	8.5	6.7
Madhya Pradesh	7.1	7.8	6.4
Maharashtra	5.9	6.2	5.5
Odisha	7.8	8.5	7.1
Punjab	6.0	6.4	5.4
Rajasthan	6.1	6.7	5.4
Tamil Nadu	6.4	7.2	5.5
Telangana	6.1	6.7	5.4
Uttar Pradesh	6.9	7.0	6.7
Uttarakhand	6.7	7.9	5.5
West Bengal	5.8	6.1	5.5

Chart 79: Crude death rates by sex, India and bigger States/UTs, 2016



4.9 Statement 44 given below provides the percentage distribution of deaths by broad age groups for India and bigger States/UTs. At the National level, 10.9 per cent of the deaths are of infant deaths (<1 year) whereas 54.4 percent of the deaths pertain to persons aged 60 years and above. Toddlers (1-4 years) accounts for 1.5 percent of the deaths. The percentage of infant deaths to total deaths varies from a low 1.9 percent in Kerala to a high of 16.8 percent in Bihar. Percentage contribution of deaths from persons aged 60 years and above varies from 44.0 in Assam to 76.1 in Kerala. The percentage distribution of deaths to total deaths, by residence, sex and age-group at the National level and for the bigger States/UTs are given in Table 10.

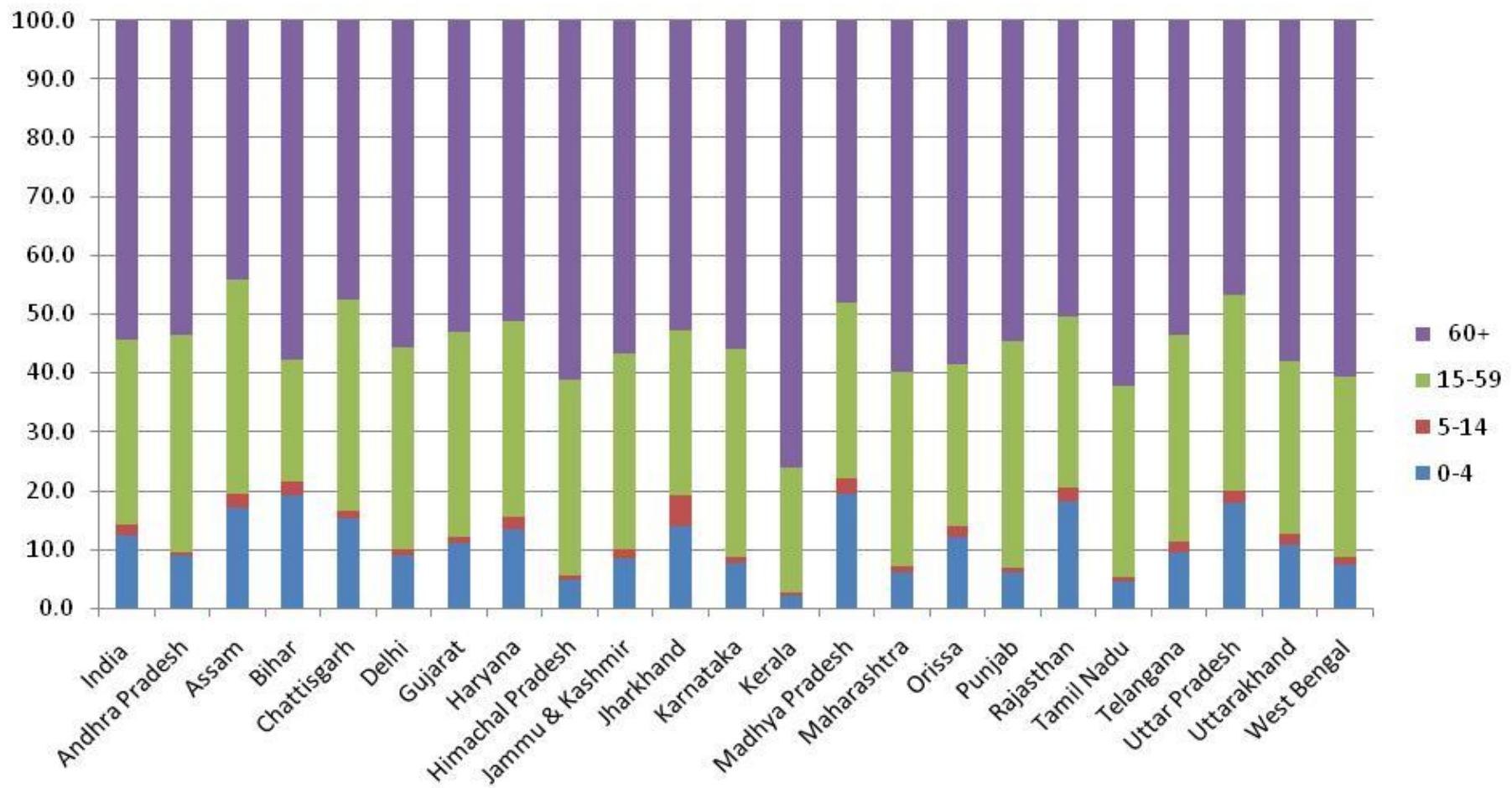
Statement 44

Percentage distribution of deaths by broad age groups, India and bigger States/UTs, 2016

India and bigger States/UTs	Broad age-groups					
	<1	1-4	0-4	5-14	15-59	60+
India	10.9	1.5	12.4	1.7	31.5	54.4
Andhra Pradesh	8.1	0.8	8.9	0.5	37.0	53.6
Assam	14.0	3.1	17.1	2.2	36.7	44.0
Bihar	16.8	2.5	19.3	2.3	20.6	57.8
Chhattisgarh	12.0	3.2	15.2	1.5	35.8	47.5
Delhi	6.8	2.2	9.0	1.1	34.2	55.7
Gujarat	10.1	0.9	11.0	1.1	34.8	53.1
Haryana	11.5	1.8	13.3	2.2	33.3	51.3
Himachal Pradesh	3.9	0.9	4.8	0.6	33.5	61.1
Jammu & Kashmir	7.7	0.6	8.4	1.5	33.4	56.7
Jharkhand	12.0	1.8	13.8	5.2	28.1	52.8
Karnataka	6.4	1.2	7.6	1.1	35.4	55.9
Kerala	1.9	0.2	2.1	0.4	21.3	76.1
Madhya Pradesh	16.4	3.0	19.4	2.6	30.0	48.0
Maharashtra	5.2	0.8	6.0	1.1	33.0	59.9
Odisha	10.5	1.6	12.1	1.9	27.4	58.6
Punjab	5.2	1.0	6.2	0.7	38.4	54.7
Rajasthan	16.5	1.7	18.1	2.4	29.0	50.5
Tamil Nadu	4.1	0.5	4.5	0.8	32.4	62.3
Telangana	8.8	0.7	9.6	1.8	35.0	53.6
Uttar Pradesh	16.5	1.4	17.9	2.1	33.4	46.6
Uttarakhand	9.4	1.4	10.8	1.9	29.2	58.1
West Bengal	6.6	0.9	7.4	1.3	30.7	60.6

Note: Total may not add up to 100 due to rounding off.

Chart 80: Distribution of deaths by broad age groups India and bigger States/UTs, 2016



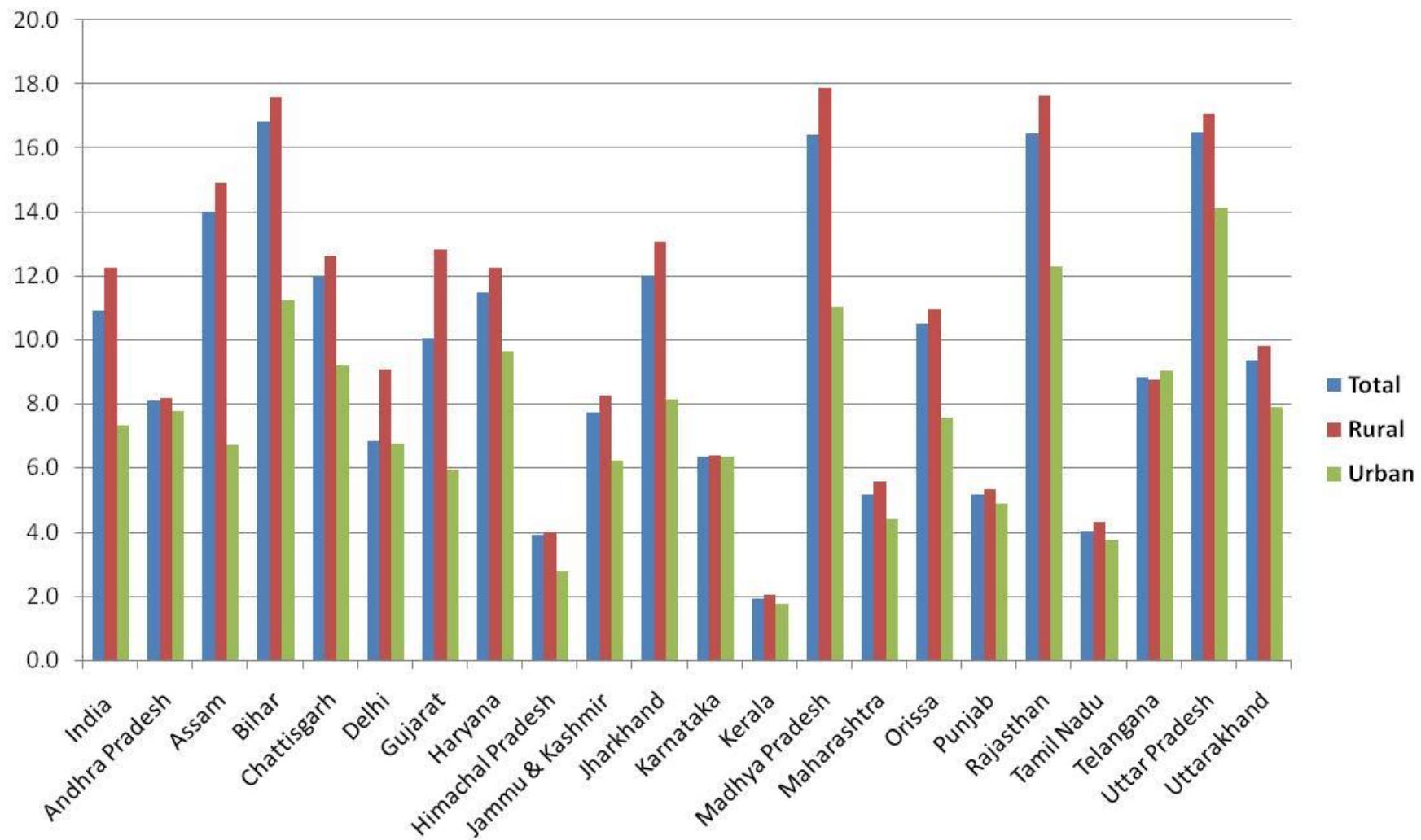
4.10 The percentage share of infant deaths to total deaths by residence is shown below in Statement 45 for India and bigger States/UTs. At the National level, such share in the year 2016 is 10.9 percent and varies from 12.2 percent in rural areas to 7.4 percent in urban areas. In rural areas, Kerala registered 2.0, the lowest percentage share of infant deaths as compared to 17.9 in Madhya Pradesh. In urban areas, the variation is from 1.8 percent in Kerala to 14.1 percent in Uttar Pradesh.

Statement 45

Percentage of Infant Deaths to total deaths by residence India and bigger States/UTs, 2016

India and bigger States/UTs	Total	Rural	Urban
India	10.9	12.2	7.4
Andhra Pradesh	8.1	8.2	7.8
Assam	14.0	14.9	6.7
Bihar	16.8	17.6	11.2
Chhattisgarh	12.0	12.6	9.2
Delhi	6.8	9.1	6.8
Gujarat	10.1	12.8	5.9
Haryana	11.5	12.3	9.7
Himachal Pradesh	3.9	4.0	2.7
Jammu & Kashmir	7.7	8.3	6.2
Jharkhand	12.0	13.1	8.1
Karnataka	6.4	6.4	6.3
Kerala	1.9	2.0	1.8
Madhya Pradesh	16.4	17.9	11.1
Maharashtra	5.2	5.6	4.4
Odisha	10.5	11.0	7.6
Punjab	5.2	5.3	4.9
Rajasthan	16.5	17.6	12.3
Tamil Nadu	4.1	4.3	3.8
Telangana	8.8	8.8	9.0
Uttar Pradesh	16.5	17.1	14.1
Uttarakhand	9.4	9.8	7.9
West Bengal	6.6	7.6	4.3

Chart 81: Percentage of Infant deaths to total deaths by residence, 2016



4.11 Statement 46 given below presents Infant Mortality Rate (IMR) by sex and residence for the year 2016 for India and bigger States/UTs. Infant Mortality Rate is defined as the infant deaths (less than one year) per thousand live births. At the National level, IMR is reported to be 34 and varies from 38 in rural areas to 23 in urban areas. Among the bigger States/UTs, it varies from 10 in Kerala to 47 in Madhya Pradesh. Female infants experienced a higher mortality than male infants in all States except Chhattisgarh, Delhi, Gujarat, Madhya Pradesh, Odisha, Tamil Nadu and Telangana. Charts 82, 83 and 84 provide the values of IMR by residence for India and bigger States/UTs for total, rural and urban areas respectively. Distribution of bigger States by level of IMR in rural and urban areas is shown in Chart 85. The estimates on child and infant mortality indicators by residence have been detailed in Table 9.

Statement 46

Infant Mortality Rates by sex and residence, India and bigger States/UTs, 2016

India and bigger States/UTs	Total			Rural			Urban		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
India	34	33	36	38	37	40	23	22	25
Andhra Pradesh	34	33	35	38	37	38	24	23	26
Assam	44	43	45	46	45	47	22	22	22
Bihar	38	31	46	39	31	47	29	26	34
Chhattisgarh	39	39	38	41	41	40	31	31	31
Delhi	18	18	17	24	23	25	17	18	16
Gujarat	30	31	30	38	39	37	19	18	19
Haryana	33	31	35	35	33	38	27	26	28
Himachal Pradesh	25	23	26	25	23	27	19	24	13
Jammu & Kashmir	24	24	25	25	24	26	23	23	23
Jharkhand	29	27	31	31	28	34	21	22	20
Karnataka	24	22	27	27	25	30	19	17	21
Kerala	10	9	11	10	10	11	10	8	11
Madhya Pradesh	47	49	44	50	53	47	33	34	31
Maharashtra	19	18	19	24	22	25	13	13	13
Odisha	44	44	44	46	45	46	34	36	31
Punjab	21	20	21	23	23	23	18	17	18
Rajasthan	41	39	44	45	42	47	30	27	33
Tamil Nadu	17	18	17	20	22	18	14	14	15
Telangana	31	31	30	35	36	33	24	24	25
Uttar Pradesh	43	41	45	46	45	47	34	29	40
Uttarakhand	38	36	41	41	39	44	29	27	32
West Bengal	25	24	26	25	25	26	22	22	23

Chart 82: Infant mortality rates by sex, India and bigger States/UTs, 2016

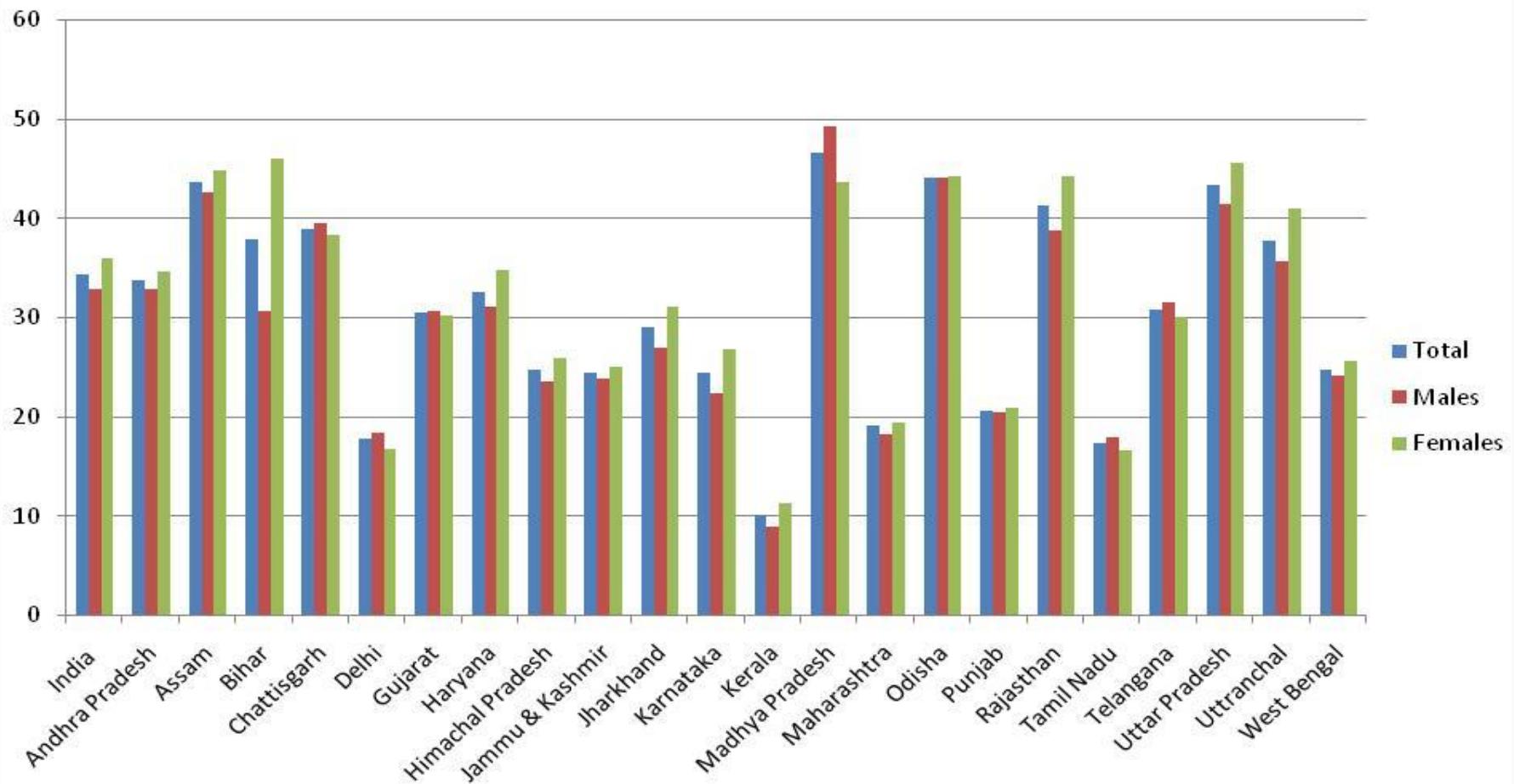


Chart 83: Infant mortality rates by sex, India and bigger States/UTs, 2016-RURAL

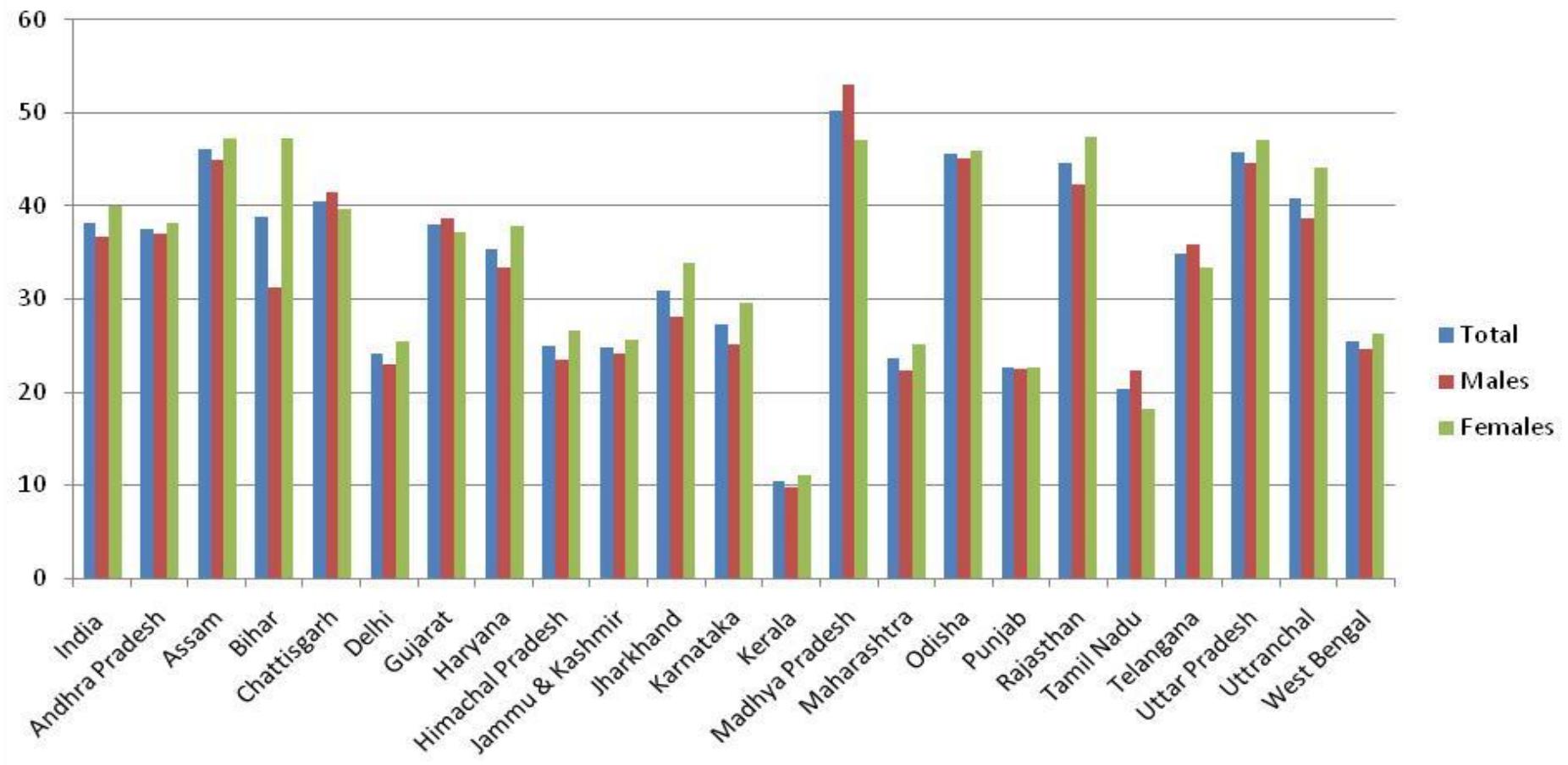


Chart 84: Infant mortality rates by sex, , India and bigger States/UTs, 2016, -URBAN

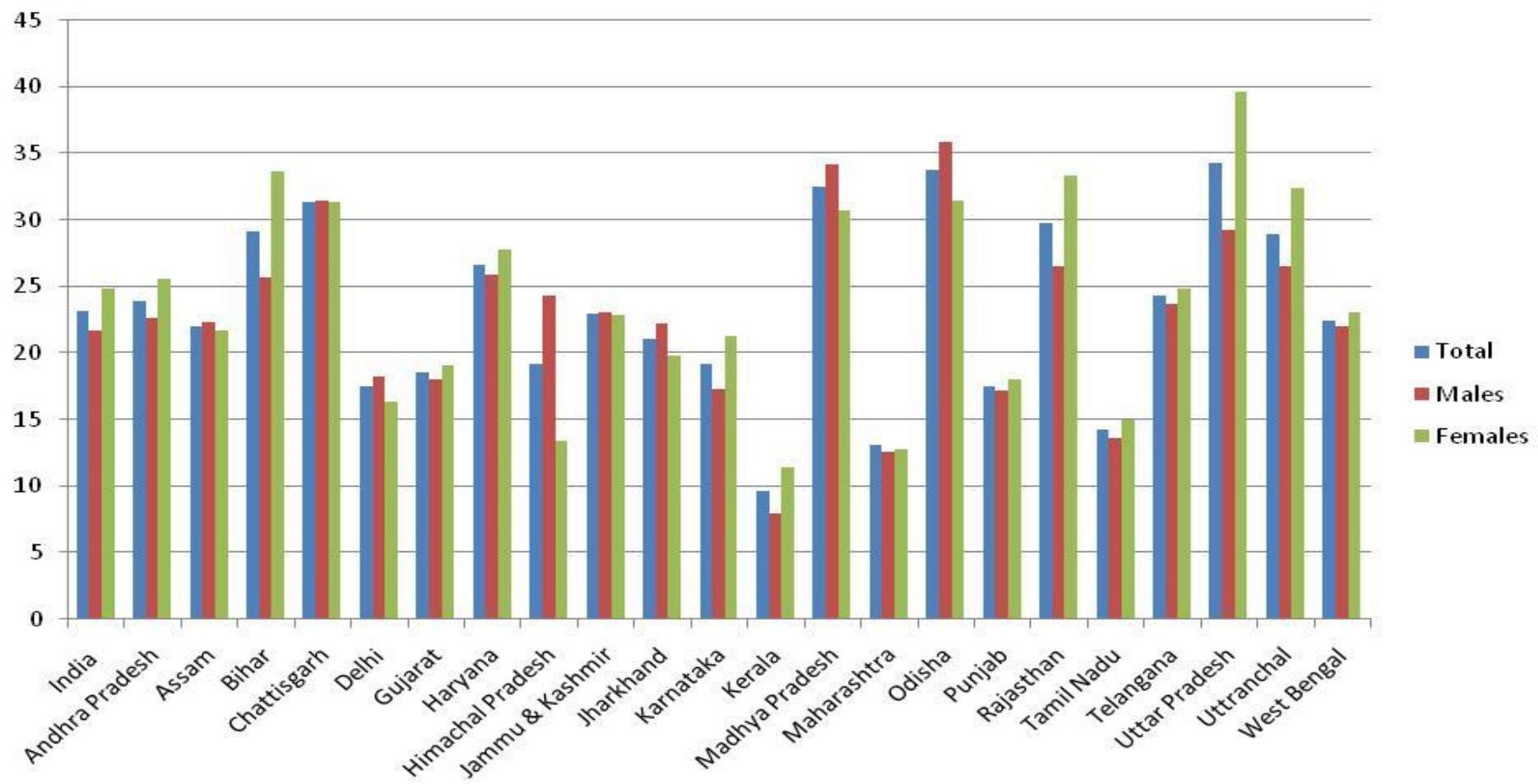
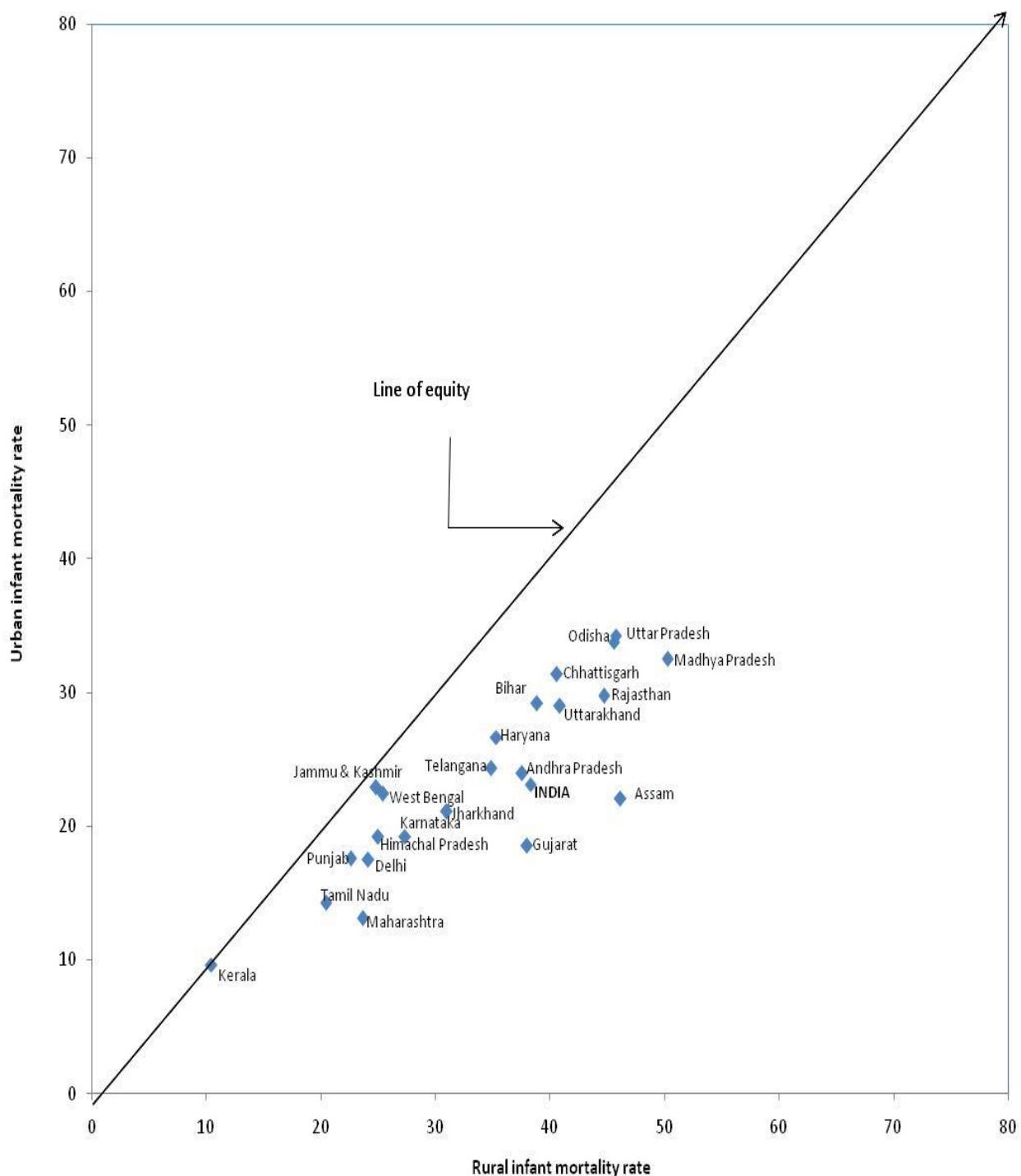


Chart 85: Distribution of bigger States/UTs by Infant mortality rate for rural and urban areas, 2016



4.12 The percentage change in the average level of infant mortality between 2004-06 and 2014-16 is given below in Statement 47. During this period, IMR, at the National level, declined by 36.7 percent. Among the bigger States/UTs, the decline varies from 51.2 percent in Tamil Nadu to 17.6 percent in Uttarakhand. In the rural areas, decline in IMR varies from 50.0 percent in Odisha to 16.3 percent in Kerala. The decline in IMR varies from 55.3 per cent in Tamil Nadu to 8.1 percent in Kerala, in urban areas.

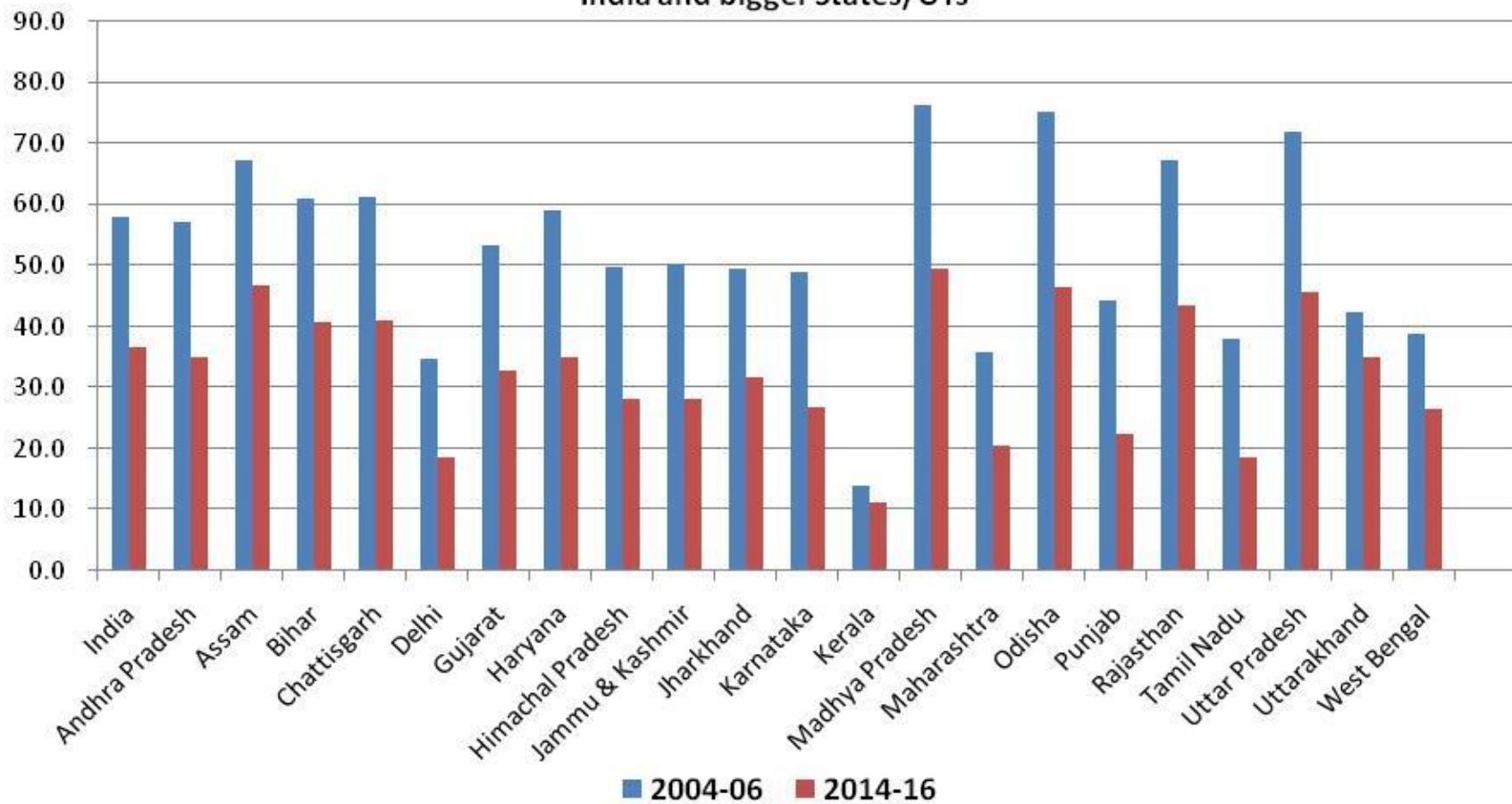
Statement 47

Percent change in average Infant Mortality Rates between 2004-06 and 2014-2016 by residence, India and bigger States/UTs

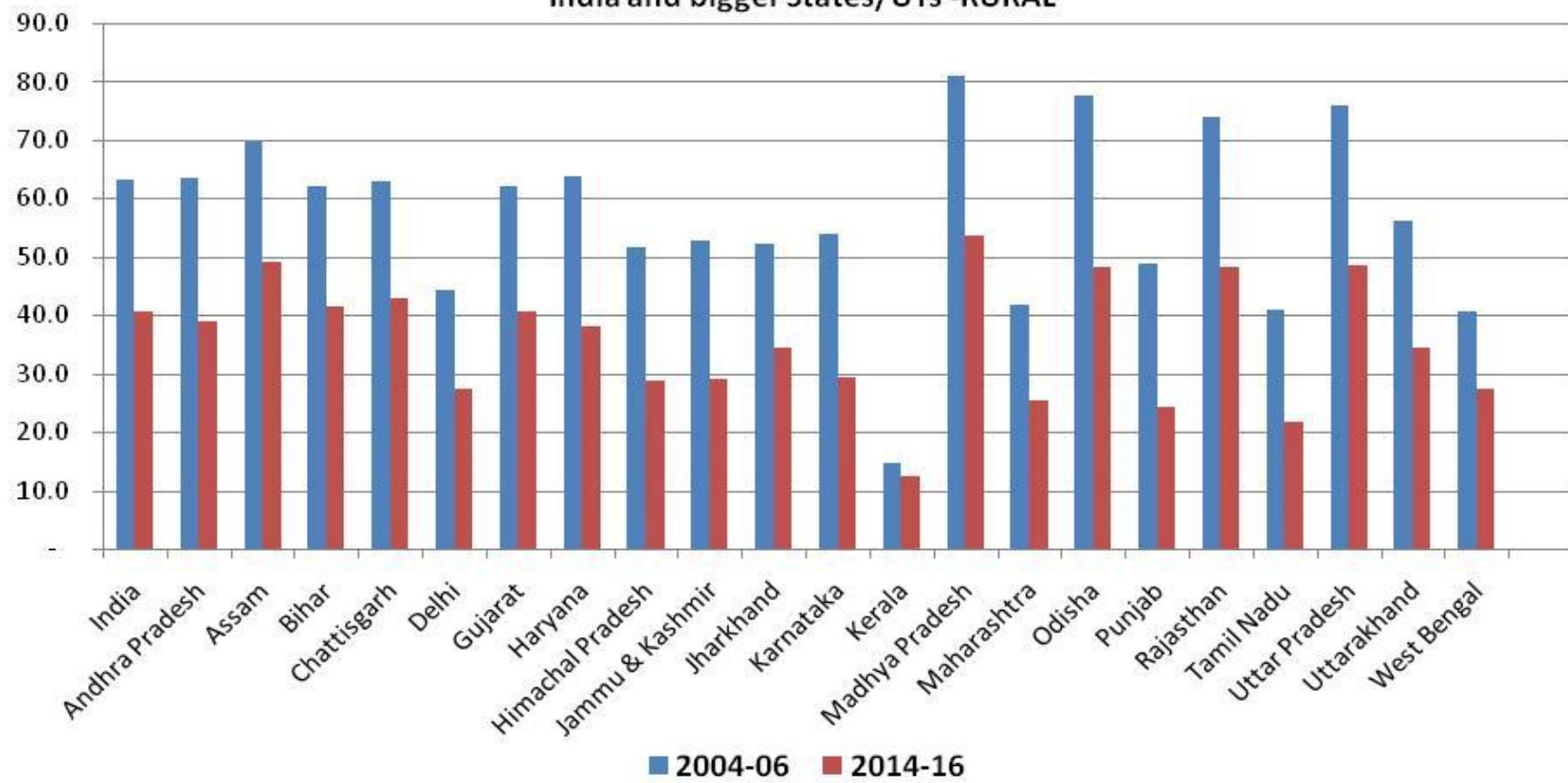
India and Bigger States/UTs	Total			Rural			Urban		
	2004- 06	2014- 16	% Change	2004- 06	2014- 16	% Change	2004- 06	2014- 16	% Change
India	58.0	36.7	-36.7	63.2	40.7	-35.6	39.4	24.8	-37.1
Andhra Pradesh*	57.2	34.9	-39.0	63.4	39.0	-38.5	38.9	26.2	-32.6
Assam	67.2	46.7	-30.5	69.8	49.2	-29.5	39.9	24.6	-38.3
Bihar	60.9	40.8	-33.0	62.2	41.4	-33.4	46.2	36.7	-20.6
Chhattisgarh	61.4	40.9	-33.4	63.0	42.9	-31.9	51.4	32.2	-37.4
Delhi	34.8	18.7	-46.3	44.4	27.4	-38.3	33.1	18.3	-44.7
Gujarat	53.4	32.8	-38.6	62.1	40.7	-34.5	37.0	21.0	-43.2
Haryana	59.2	35.1	-40.7	63.9	38.1	-40.4	45.9	28.7	-37.5
Himachal Pradesh	49.8	28.2	-43.4	51.5	28.7	-44.3	23.0	18.9	-17.8
Jammu & Kashmir	50.4	28.1	-44.2	52.8	29.2	-44.7	38.0	25.3	-33.4
Jharkhand	49.4	31.8	-35.6	52.1	34.3	-34.2	33.0	21.7	-34.2
Karnataka	48.9	26.9	-45.0	53.9	29.4	-45.5	37.5	22.2	-40.8
Kerala	13.9	11.2	-19.4	14.7	12.3	-16.3	11.1	10.2	-8.1
Madhya Pradesh	76.3	49.6	-35.0	81.0	53.6	-33.8	53.8	34.0	-36.8
Maharashtra	35.7	20.6	-42.3	41.8	25.5	-39.0	26.7	13.7	-48.7
Odisha	75.2	46.4	-38.3	77.6	48.2	-37.9	55.3	35.1	-36.5
Punjab	44.4	22.5	-49.3	48.8	24.4	-50.0	36.5	19.7	-46.0
Rajasthan	67.4	43.4	-35.6	74.0	48.3	-34.7	41.7	27.9	-33.1
Tamil Nadu	38.1	18.6	-51.2	41.0	21.7	-47.1	34.0	15.2	-55.3
Uttar Pradesh	72.0	45.6	-36.7	75.8	48.5	-36.0	53.1	35.7	-32.8
Uttarakhand	42.5	35.0	-17.6	56.2	34.5	-38.6	20.9	36.0	72.2
West Bengal	38.9	26.4	-32.1	40.7	27.3	-32.9	31.0	23.3	-24.8

* Andhra Pradesh includes Telangana.

**Chart 86: Average Infant mortality rate between 2004-06 & 2014-16,
India and bigger States/UTs**



**Chart 87: Average Infant mortality rate between 2004-06 & 2014-16,
India and bigger States/UTs -RURAL**



**Chart 88: Average Infant mortality rate between 2004-06 & 2014-16,
India and bigger States/UTs - URBAN**

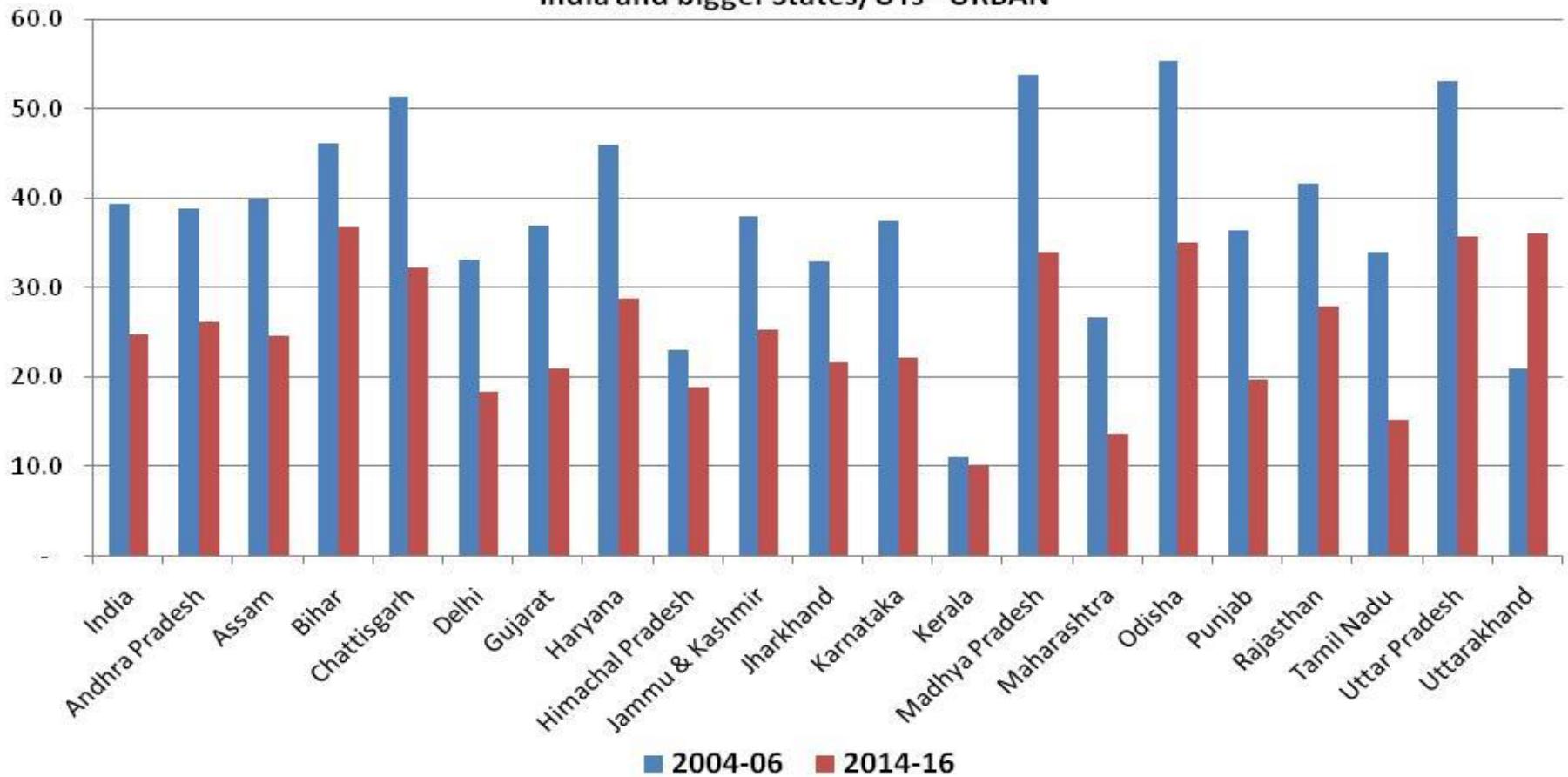
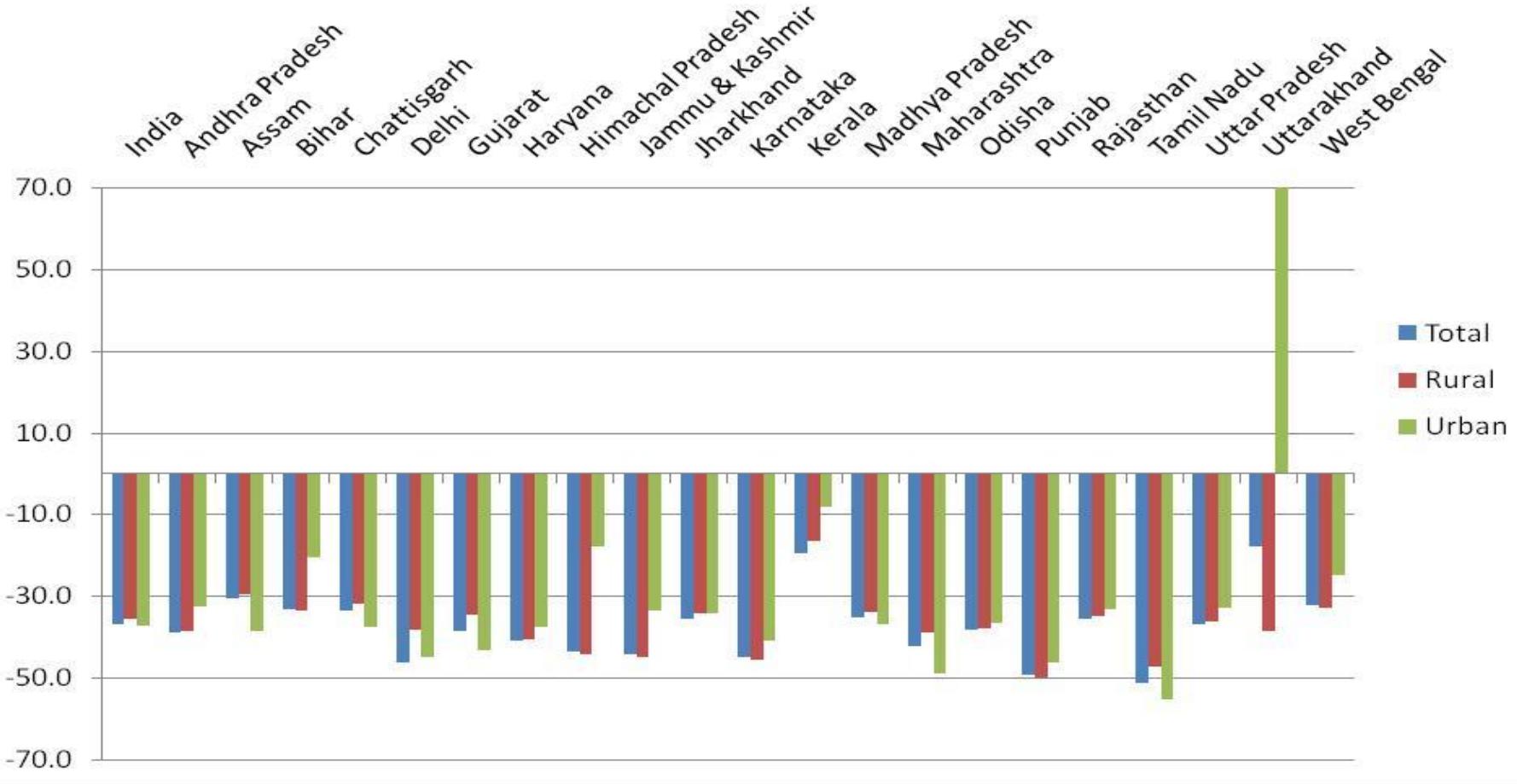


Chart 89: Percentage change in average Infant mortality rates between 2004-06 and 2014-16, India and bigger States/UTs



4.13 Statement 48 given below presents the neo-natal (less than 29 days) mortality rate and the percentage of neo-natal deaths to infant deaths for the year 2016 both at the National and State levels. At the National level, the neo-natal mortality rate is 24 and ranges from 14 in urban areas to 27 in rural areas. Among the bigger States/UTs, neo-natal mortality ranges from 32 in Odisha and Madhya Pradesh to 6 in Kerala. The percentage of neo-natal deaths to total infant deaths is 68.8 percent at the National level and varies from 60.4 percent in urban areas to 70.7 percent in rural areas. Among the bigger States/UTs, Uttarakhand 79.1 registered the highest percentage of neo-natal deaths to infant deaths and the lowest in Assam 53.4.

Statement 48

Neo-Natal Mortality Rates and percentage share of Neo-Natal Deaths to Infant Deaths by residence, India and bigger States, 2016

India and Bigger States/UTs	Neo-natal mortality rate			Percentage of Neo-natal deaths to Infant deaths		
	Total	Rural	Urban	Total	Rural	Urban
India	24	27	14	68.8	70.7	60.4
Andhra Pradesh	23	27	11	68.2	73.3	47.9
Assam	23	24	13	53.4	53.1	60.5
Bihar	27	28	17	71.2	72.5	57.2
Chhattisgarh	26	27	20	67.2	67.7	64.4
Delhi	12	16	12	70.5	66.7	70.6
Gujarat	21	27	13	69.5	70.0	67.9
Haryana	22	24	16	66.7	68.9	60.3
Himachal Pradesh	16	16	15	63.6	62.9	80.0
Jammu & Kashmir	18	19	15	74.9	77.8	64.7
Jharkhand	21	23	13	71.6	72.9	64.0
Karnataka	18	22	10	71.8	80.2	50.4
Kerala	6	7	4	56.6	68.5	42.9
Madhya Pradesh	32	35	20	69.4	70.7	62.2
Maharashtra	13	17	9	70.6	71.7	68.0
Odisha	32	33	24	73.2	73.5	70.8
Punjab	13	13	12	62.0	59.5	66.9
Rajasthan	28	31	17	68.1	70.0	58.4
Tamil Nadu	12	16	9	71.7	76.4	65.5
Telangana	21	25	15	69.9	73.0	62.5
Uttar Pradesh	30	32	19	68.3	71.1	54.7
Uttarakhand	30	32	24	79.1	78.0	83.5
West Bengal	17	17	14	67.7	68.8	63.6

Chart 90: Neo-natal mortality rates and percentage share of neo-natal deaths to infant deaths, India and bigger States/UTs, 2016

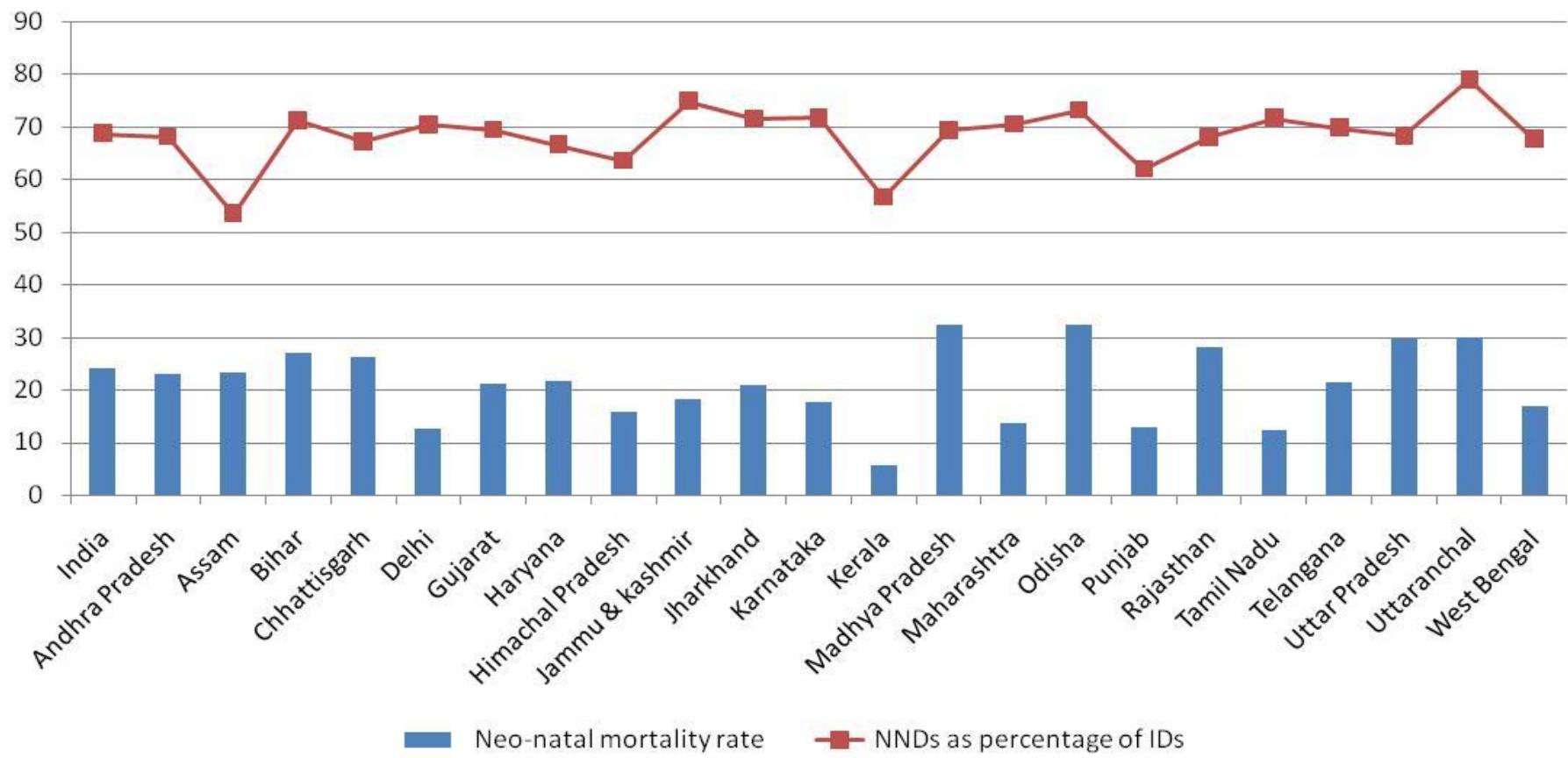


Chart 91: Neo-natal mortality rates and percentage share of neo-natal deaths to infant deaths, India and bigger States/UTs, 2016 - RURAL

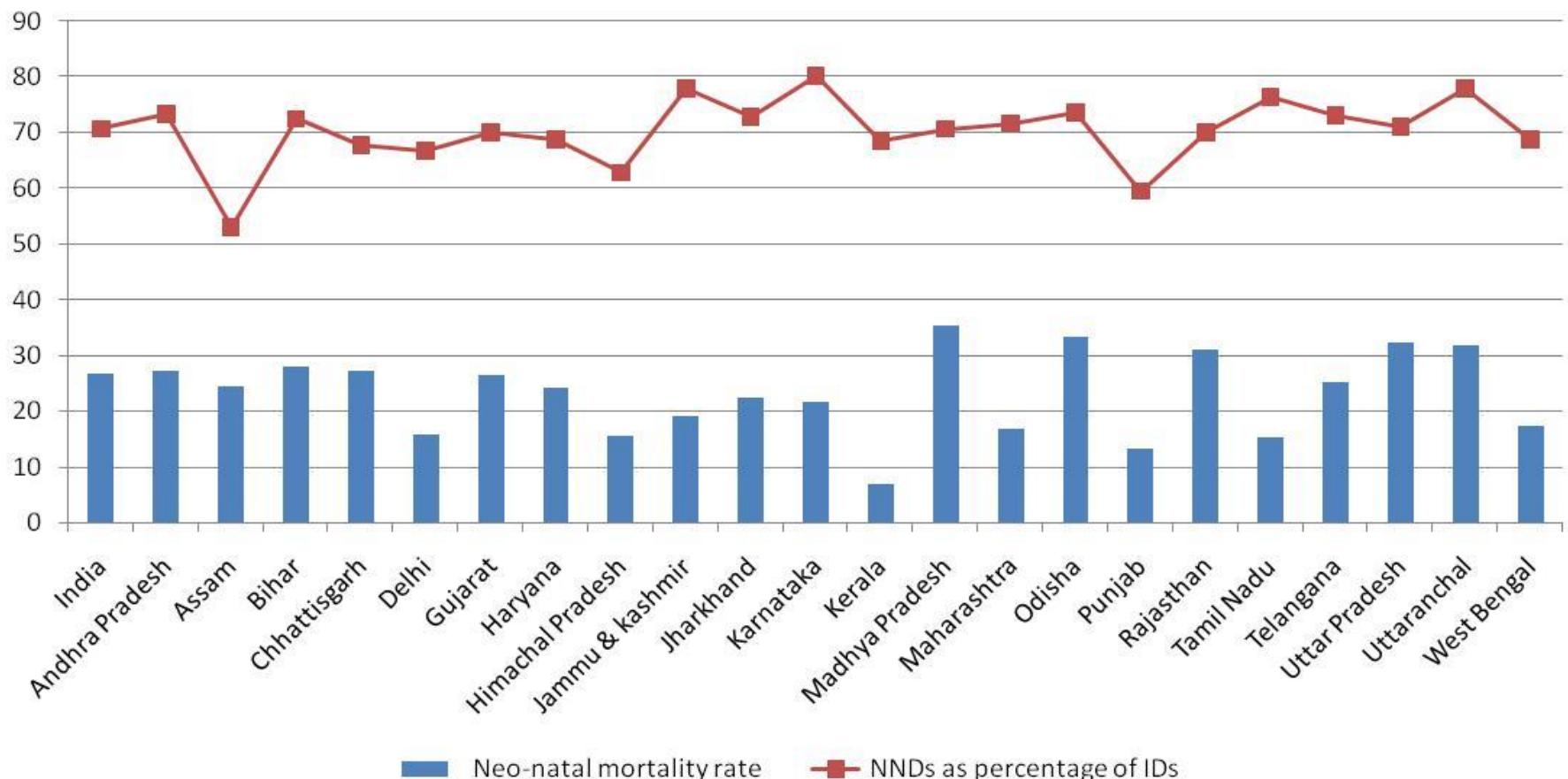
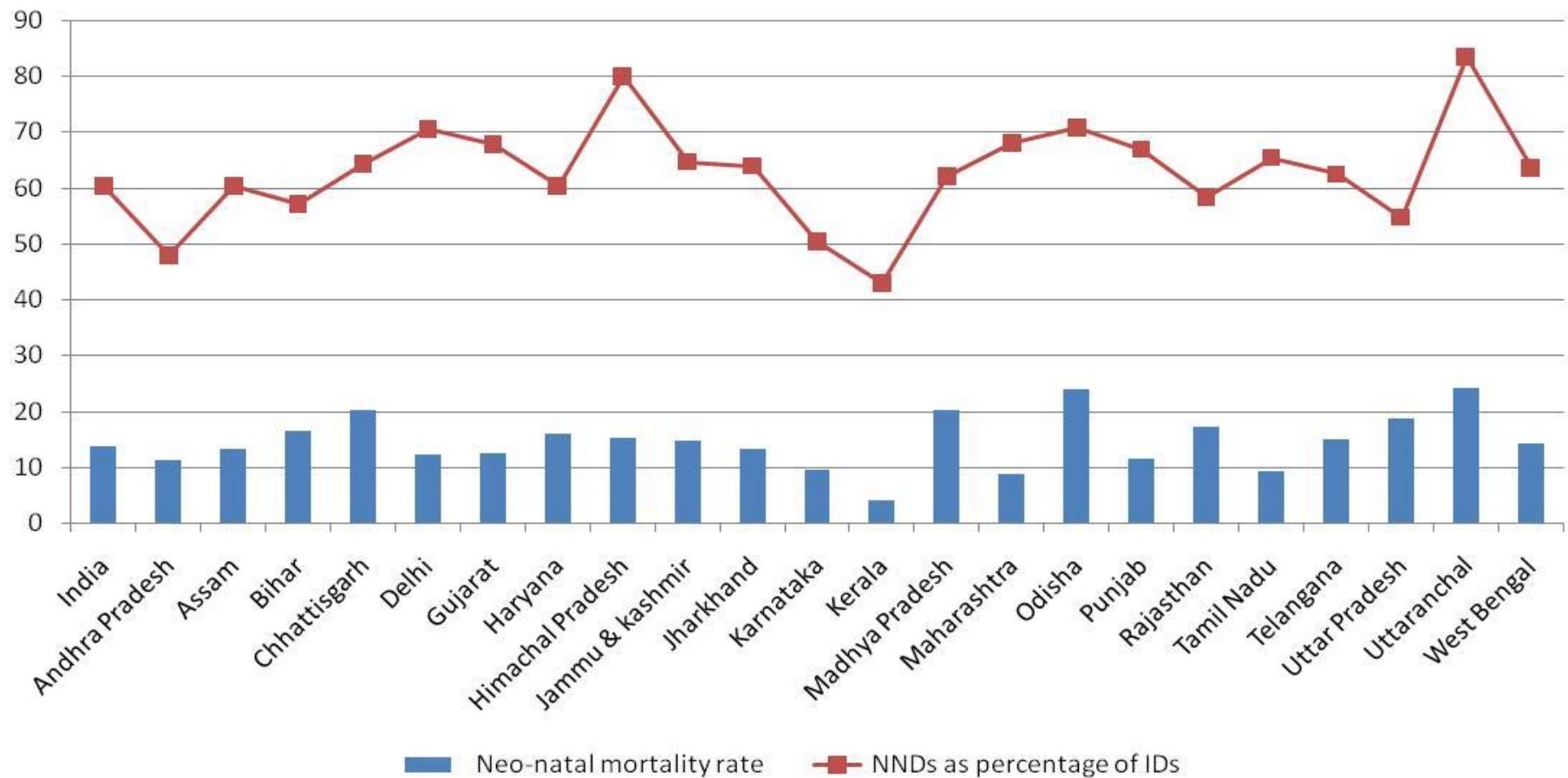


Chart 92: Neo-natal mortality rates and percentage share of neo-natal deaths to infant deaths by residence, India and bigger States/UTs, 2016 - URBAN



4.14 Early neo-natal mortality rate i.e. number of infant deaths less than seven days of life per thousand live births forms an important component of infant mortality rate and more specifically of the neo-natal mortality rate. Statement 49 given below presents the early neo-natal mortality rate along with the percentage of early neo-natal deaths to the total infant deaths. At the National level, the early neo-natal mortality rate for the year 2016 has been estimated at 18 and ranges from 21 in rural areas to 11 in urban areas. Among the bigger States/UTs, Kerala 4 and Madhya Pradesh, Odisha and Uttarakhand with 24 are the extremes. The percentage of early neo-natal deaths to the total infant deaths during the year 2016, at the National level, has been 53.2 and it varies from 54.8 in rural areas to 45.8 in urban areas. In this indicator, in most of the States, rural proportion is relatively higher than the urban proportion except for Delhi, and Punjab. Among the bigger States/UTs the percentage for total, varies from 40.5 in Kerala to 62.9 in Uttarakhand.

Statement 49

Early Neo-Natal Mortality rates and percentage share of Early Neo-Natal Deaths to Infant Deaths by residence, India and bigger States/UTs, 2016

India and Bigger States/UTs	Early neo-natal mortality rate			Percentage of Early neo-natal deaths to Infant deaths		
	Total	Rural	Urban	Total	Rural	Urban
India	18	21	11	53.2	54.8	45.8
Andhra Pradesh	18	21	8	52.0	56.3	34.6
Assam	18	19	8	41.2	41.4	36.8
Bihar	21	22	13	56.4	57.4	44.5
Chhattisgarh	21	22	17	53.4	53.3	53.8
Delhi	9	8	9	53.5	33.3	54.3
Gujarat	16	20	11	54.3	53.1	58.0
Haryana	16	18	11	48.1	50.7	40.7
Himachal Pradesh	10	11	9	42.3	42.2	46.8
Jammu & Kashmir	15	17	11	62.5	67.1	46.1
Jharkhand	17	19	9	59.1	61.6	44.5
Karnataka	13	17	7	54.5	62.0	35.3
Kerala	4	5	3	40.5	51.0	28.6
Madhya Pradesh	24	26	16	51.2	51.8	48.0
Maharashtra	11	13	7	55.4	56.1	53.8
Odisha	24	25	17	54.0	54.5	48.9
Punjab	9	8	9	42.8	37.3	53.7
Rajasthan	22	25	14	53.8	55.2	47.0
Tamil Nadu	9	12	6	53.0	59.3	44.6
Telangana	16	19	9	50.5	56.1	37.5
Uttar Pradesh	23	26	14	53.5	55.9	42.1
Uttarakhand	24	26	19	62.9	62.4	65.0
West Bengal	13	14	11	52.5	53.2	49.9

Chart 93: Early neo-natal mortality rates and percentage share of early neo-natal deaths to infant deaths, India and bigger States/UTs, 2016

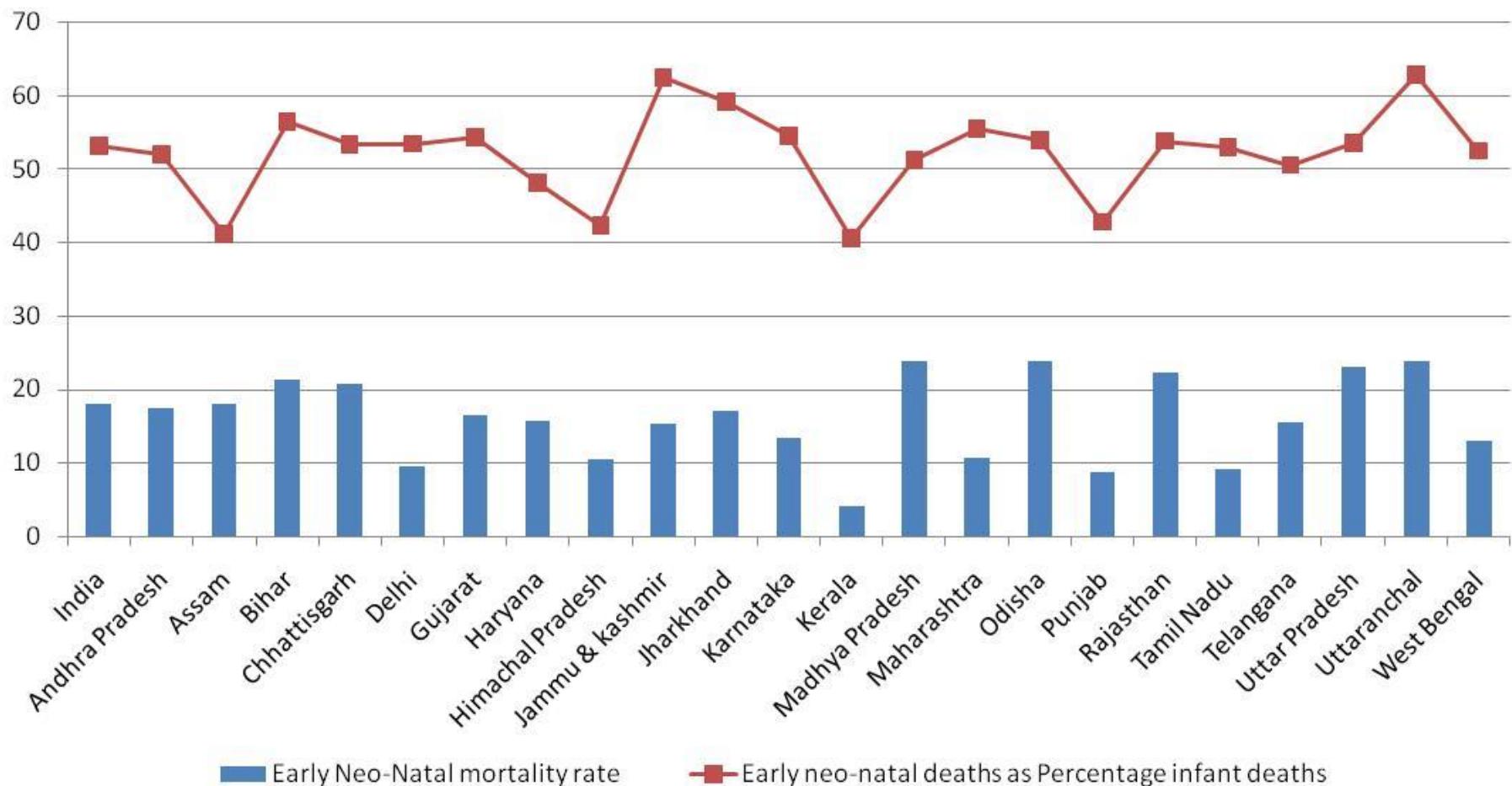


Chart 94: Early neo-natal mortality rates and percentage share of early neo-natal deaths to infant deaths, India and bigger States/UTs, 2016 - RURAL

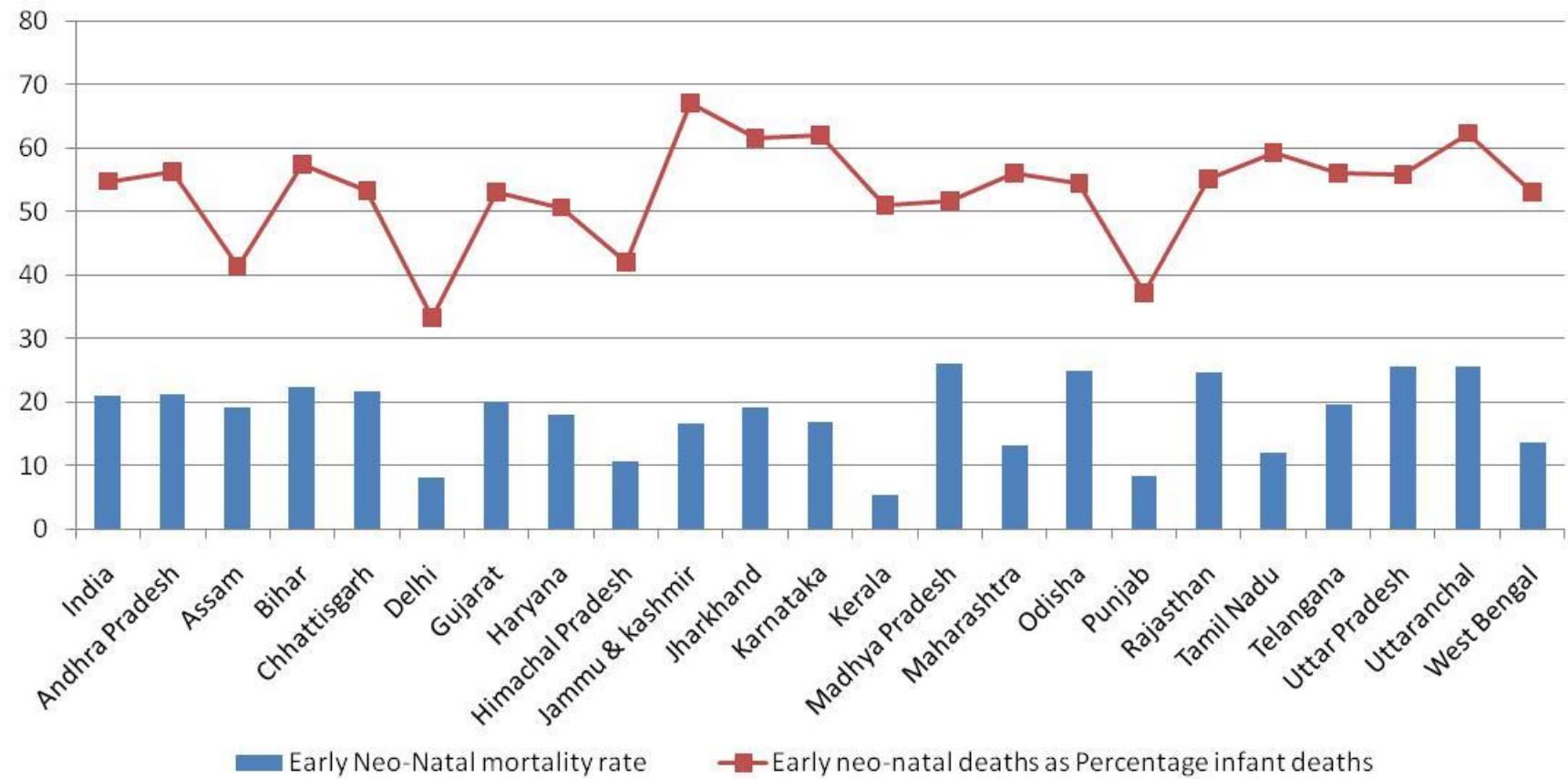
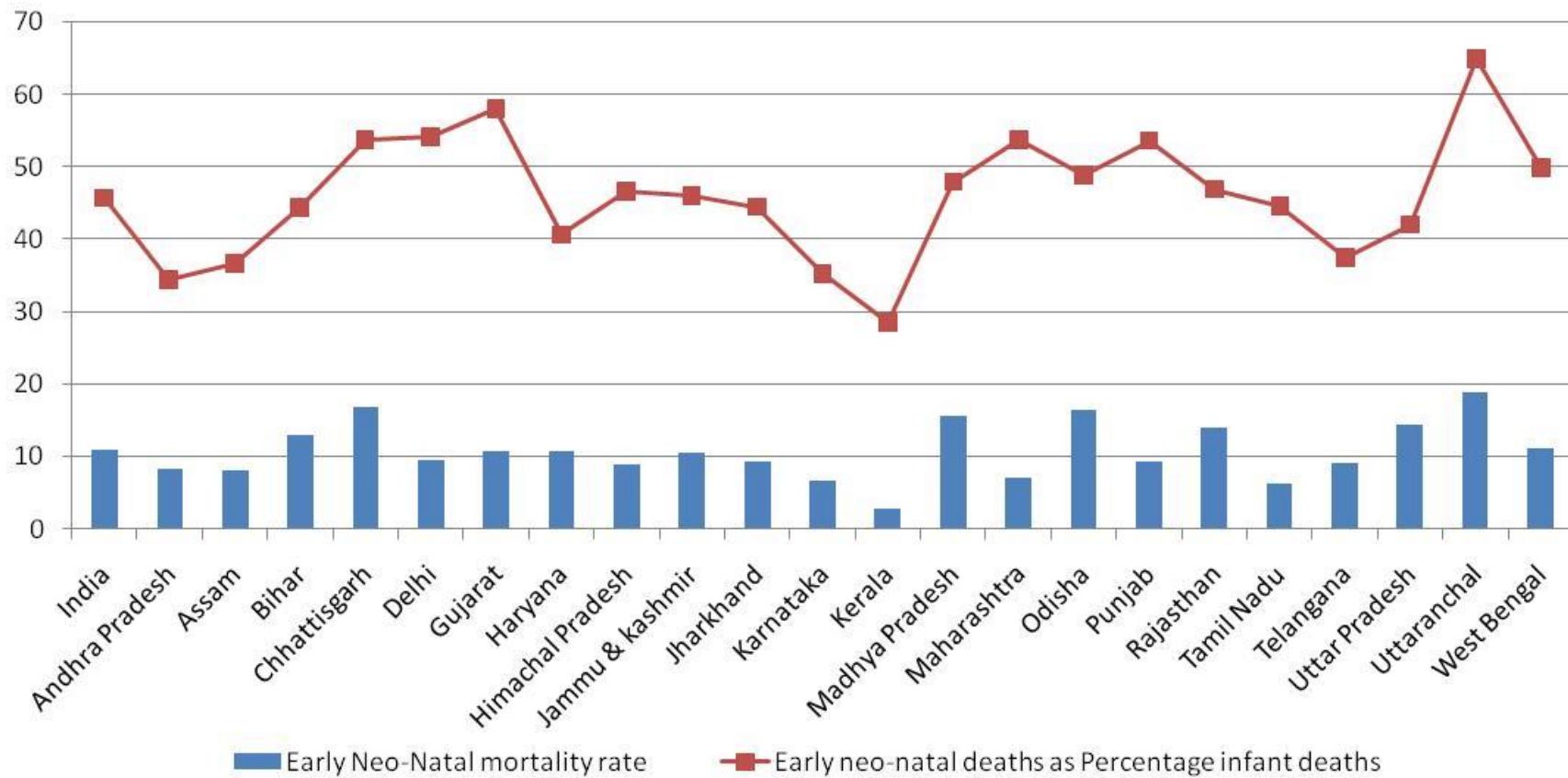


Chart 95: Early neo-natal mortality rates and percentage share of early neo-natal deaths to infant deaths, India and bigger States/UTs, 2016 - URBAN



4.15 Statement 50 given below presents the peri-natal mortality rate and still birth rate for the year 2016, by residence, for India and bigger States/UTs. Peri-natal mortality rate (PMR) is defined as the number of still births and infant deaths of less than 7 days per one thousand live births (LB) and still births (SB) taken together during the year. The still birth rate (SBR) is estimated as the ratio of the number of still births per one thousand live births (LB) and still births (SB) during the year. At the National level, peri-natal mortality rate has been estimated to be 23 and ranges from 26 in rural areas to 14 in urban areas. Among the bigger States/UTs, Kerala (10) and Odisha (37) are the two extremes. The estimate of still birth rate for the year 2016, at the National level is 4. Among the bigger States/UTs, the highest level of still birth rate has been estimated for Himachal Pradesh (24) and the lowest for Jharkhand (0). Still births are extremely difficult to capture and there is a room for considerable improvement in netting the events.

Statement 50

Peri-Natal Mortality Rates and Still Birth Rates by residence, India and bigger States/UTs, 2016

India and Bigger States/UTs	Peri-natal mortality rate			Still birth rate		
	Total	Rural	Urban	Total	Rural	Urban
India	23	26	14	4	5	3
Andhra Pradesh	20	24	10	3	3	2
Assam	20	21	13	2	2	5
Bihar	24	25	13	3	3	0
Chhattisgarh	31	32	27	10	11	10
Delhi	14	8	14	4	0	5
Gujarat	22	27	14	6	7	4
Haryana	21	23	17	5	5	6
Himachal Pradesh	34	35	11	24	25	3
Jammu & Kashmir	17	18	15	2	1	4
Jharkhand	17	19	9	0	0	0
Karnataka	19	22	14	6	5	7
Kerala	10	9	11	6	4	8
Madhya Pradesh	32	34	23	8	8	8
Maharashtra	14	18	9	4	4	2
Odisha	37	38	25	13	14	9
Punjab	14	14	14	6	6	5
Rajasthan	25	28	15	3	4	1
Tamil Nadu	12	18	7	3	6	1
Telangana	17	21	10	1	1	1
Uttar Pradesh	26	28	16	3	3	2
Uttarakhand	33	34	29	9	8	11
West Bengal	16	17	13	3	4	2

Chart 96: Perinatal mortality rates, India & bigger States/UTs, 2016

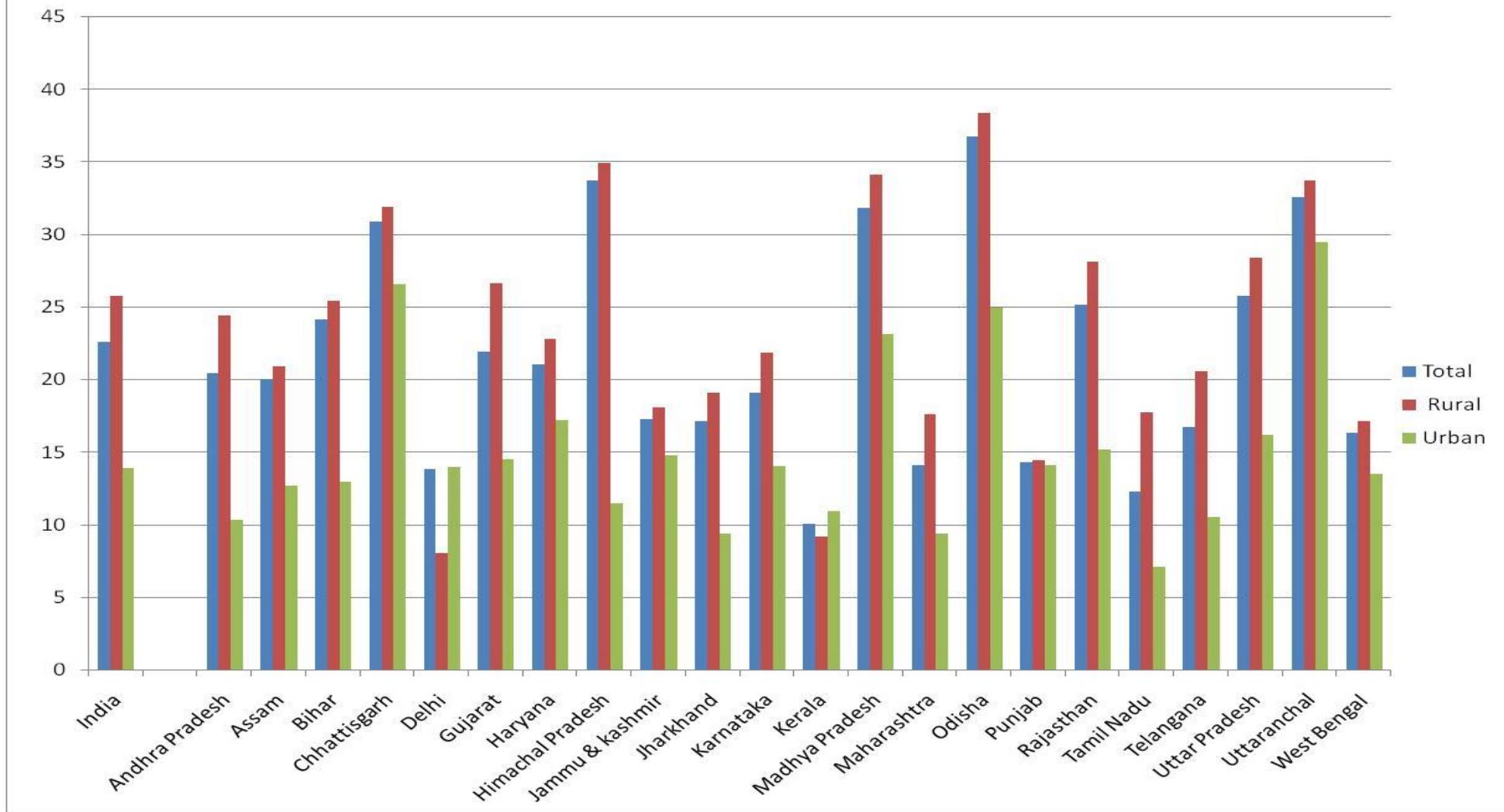
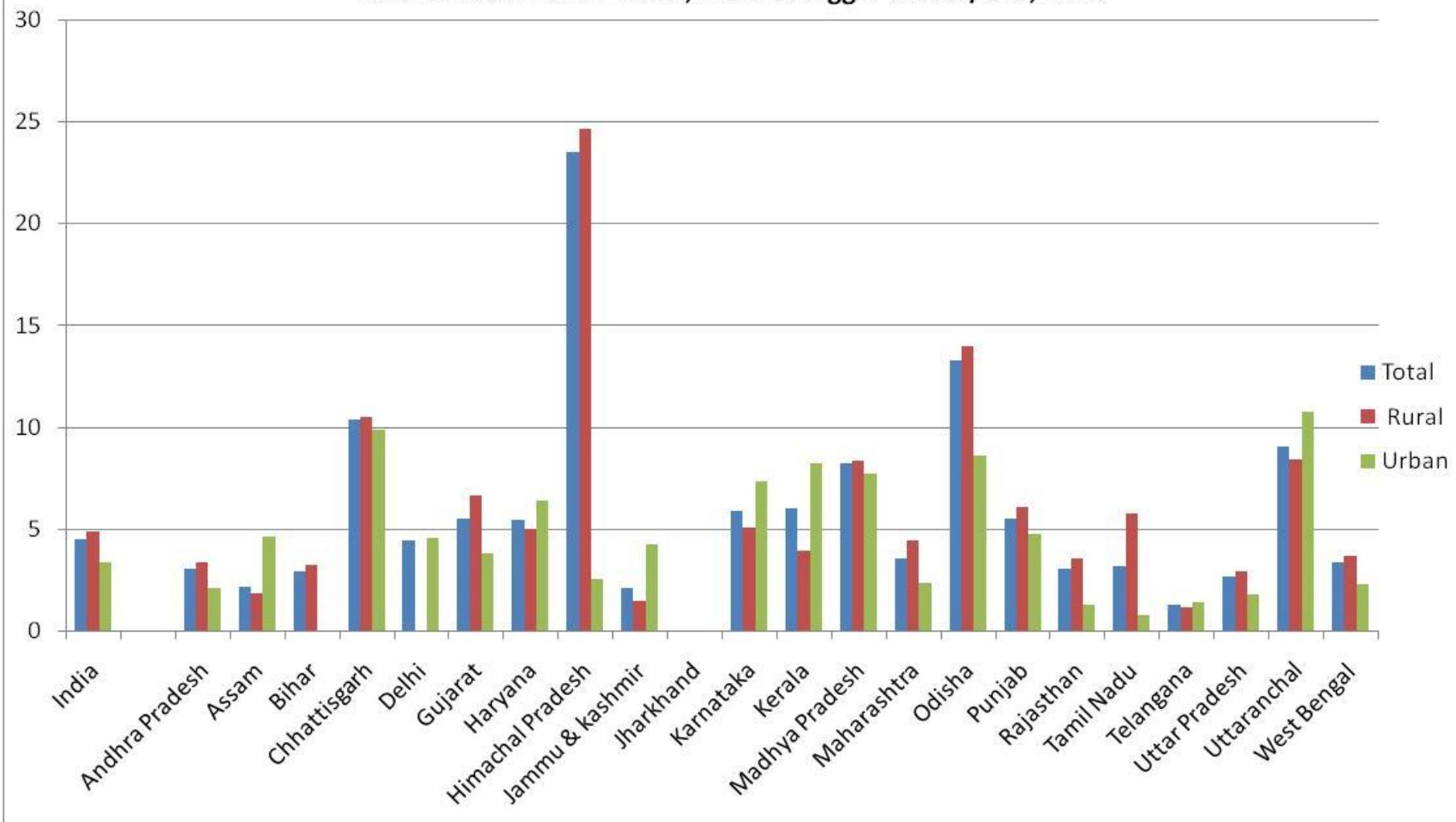


Chart 97: Still birth rates , India & bigger States/UTs, 2016



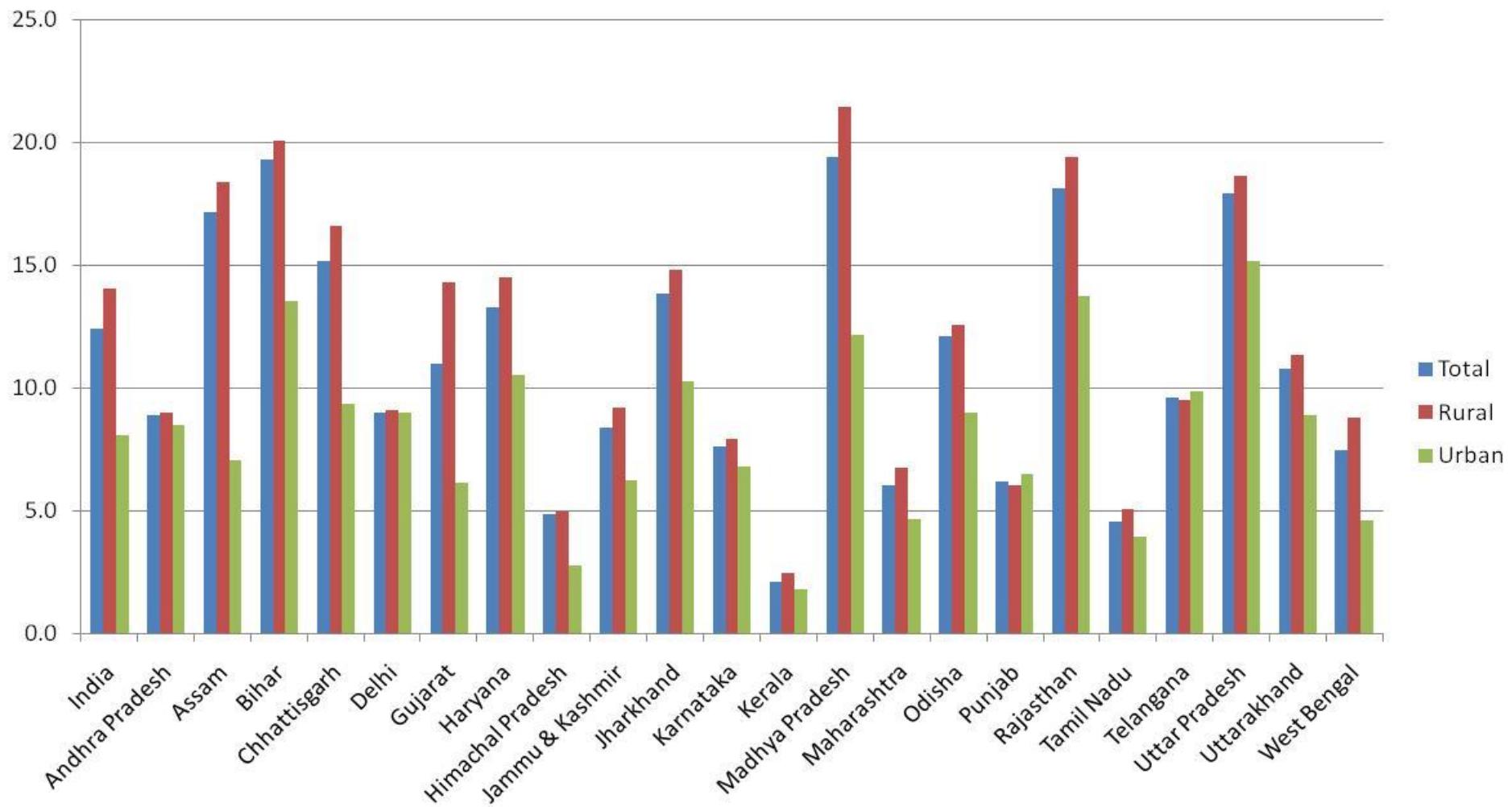
4.16 Percentage share of deaths to children below age five to total deaths by residence for India and bigger States/UTs is shown below in Statement 51. At the National level, such percentage is 12.4 and it varies from 14.0 in rural areas to 8.1 in urban areas. Among the bigger States/UTs, the variation is from 2.1 in Kerala to 19.4 in Madhya Pradesh. In rural areas, it varies from 2.4 in Kerala to 21.4 in Madhya Pradesh, and in urban areas, it is 1.8 in Kerala to 15.1 in Uttar Pradesh.

Statement 51

Percentage of Deaths in the age group 0-4 years to total Deaths by residence, India and bigger States/UTs, 2016

India and bigger States/UTs	Total	Rural	Urban
India	12.4	14.0	8.1
Andhra Pradesh	8.9	9.0	8.5
Assam	17.1	18.4	7.0
Bihar	19.3	20.1	13.5
Chhattisgarh	15.2	16.6	9.3
Delhi	9.0	9.1	9.0
Gujarat	11.0	14.3	6.1
Haryana	13.3	14.5	10.5
Himachal Pradesh	4.8	4.9	2.7
Jammu & Kashmir	8.4	9.2	6.2
Jharkhand	13.8	14.8	10.2
Karnataka	7.6	7.9	6.8
Kerala	2.1	2.4	1.8
Madhya Pradesh	19.4	21.4	12.1
Maharashtra	6.0	6.7	4.7
Odisha	12.1	12.5	9.0
Punjab	6.2	6.0	6.5
Rajasthan	18.1	19.4	13.7
Tamil Nadu	4.5	5.1	4.0
Telangana	9.6	9.5	9.8
Uttar Pradesh	17.9	18.6	15.1
Uttarakhand	10.8	11.3	8.9
West Bengal	7.4	8.8	4.6

**Chart 98: Percentage of deaths in the age group 0-4 years to total deaths,
India and bigger States/UTs, 2016**



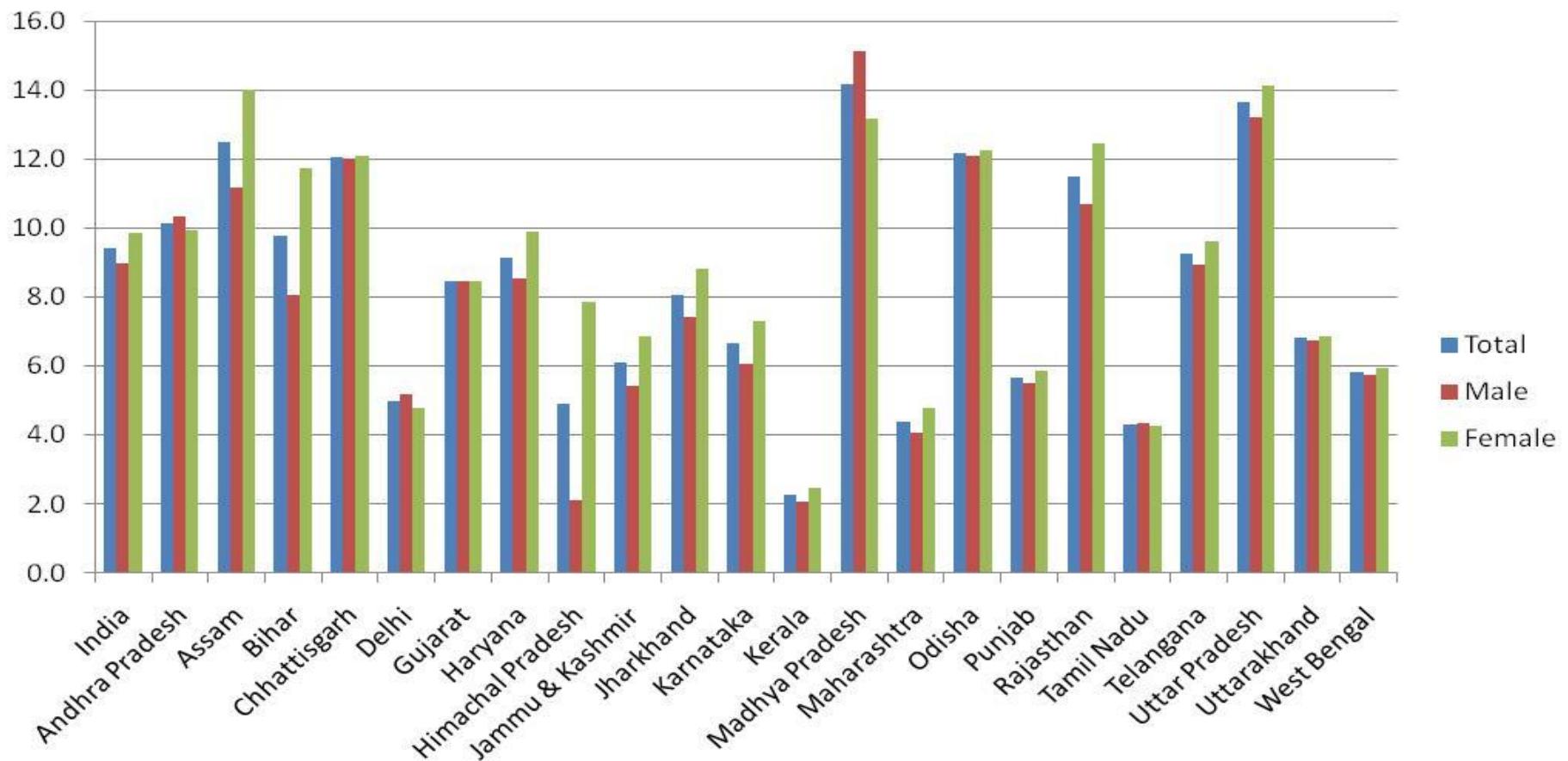
4.17 The death rates for children below age 5 by residence are given below in Statement 52 separately for males and females. At the National level, child mortality rate is estimated at 9.4 and it varies from 10.7 in rural areas to 6.0 in urban areas. Among the bigger States/UTs, this varies from 2.3 in Kerala to 14.2 in Madhya Pradesh. The female children have higher death rates than male children in all States except in Andhra Pradesh, Delhi, Madhya Pradesh and Tamil Nadu.

Statement 52

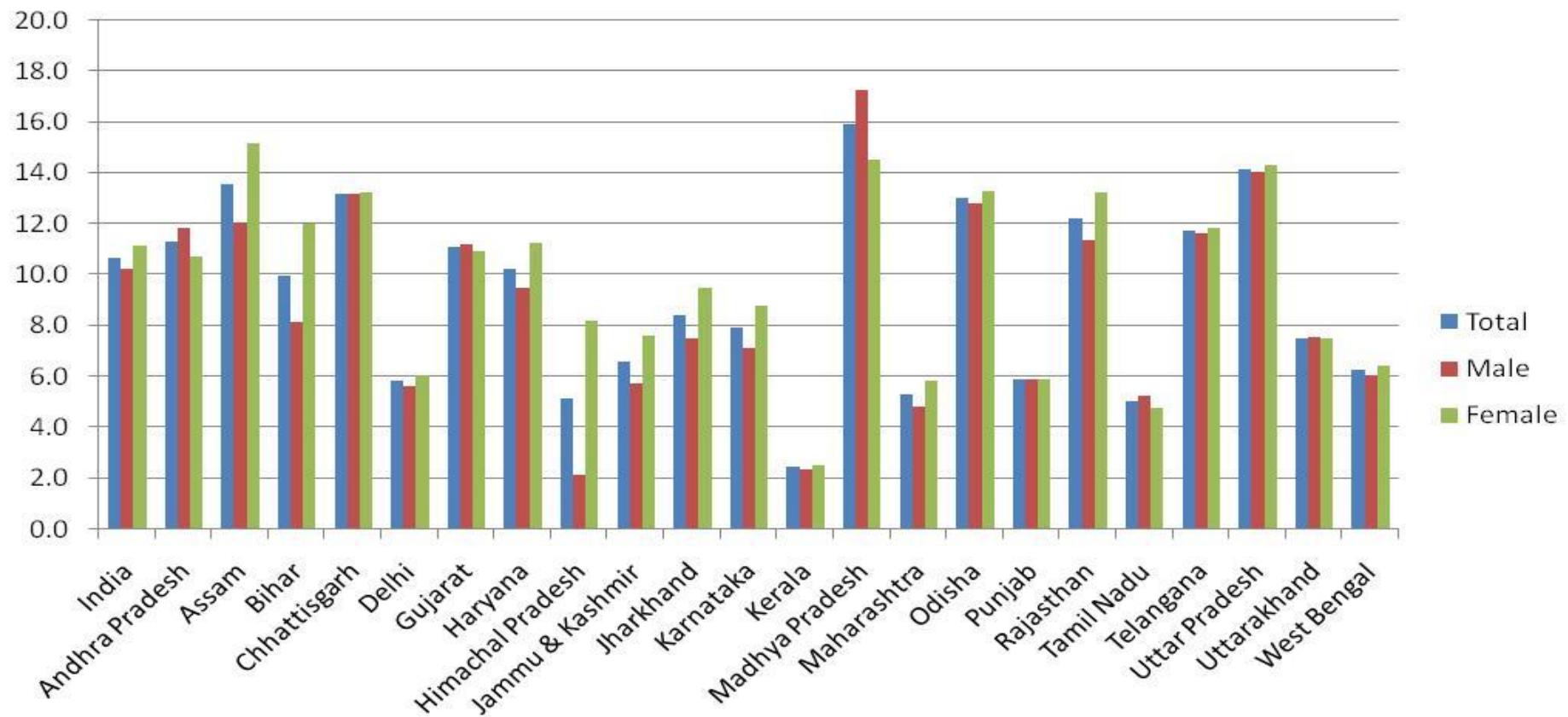
Estimated Death Rates for Children aged 0-4 years by sex and residence India and bigger States/UTs, 2016

India and bigger States/UTs	Total			Rural			Urban		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
India	9.4	9.0	9.9	10.7	10.2	11.1	6.0	5.7	6.4
Andhra Pradesh	10.1	10.3	9.9	11.3	11.9	10.7	7.2	6.5	7.9
Assam	12.5	11.2	14.0	13.6	12.1	15.2	4.7	4.5	4.9
Bihar	9.8	8.1	11.7	10.0	8.2	12.0	8.0	7.1	9.2
Chhattisgarh	12.0	12.0	12.1	13.2	13.2	13.2	7.3	7.4	7.3
Delhi	5.0	5.2	4.8	5.8	5.6	6.1	5.0	5.2	4.7
Gujarat	8.5	8.4	8.5	11.1	11.2	10.9	4.6	4.5	4.8
Haryana	9.2	8.6	9.9	10.3	9.5	11.2	6.8	6.5	7.2
Himachal Pradesh	4.9	2.1	7.9	5.1	2.2	8.2	2.1	1.3	2.9
Jammu & Kashmir	6.1	5.4	6.9	6.6	5.7	7.6	4.7	4.6	4.9
Jharkhand	8.1	7.4	8.8	8.4	7.5	9.5	6.6	7.1	6.1
Karnataka	6.7	6.1	7.3	7.9	7.1	8.8	4.5	4.2	4.8
Kerala	2.3	2.1	2.5	2.4	2.4	2.5	2.0	1.7	2.4
Madhya Pradesh	14.2	15.1	13.2	16.0	17.3	14.6	8.3	8.2	8.4
Maharashtra	4.4	4.1	4.8	5.3	4.8	5.9	3.0	2.9	3.2
Odisha	12.2	12.1	12.2	13.0	12.8	13.3	7.5	8.3	6.7
Punjab	5.7	5.5	5.9	5.9	5.9	5.9	5.3	4.8	5.8
Rajasthan	11.5	10.7	12.4	12.2	11.4	13.2	8.8	8.2	9.6
Tamil Nadu	4.3	4.4	4.3	5.0	5.2	4.8	3.6	3.4	3.8
Telangana	9.3	8.9	9.6	11.7	11.6	11.8	6.2	5.8	6.8
Uttar Pradesh	13.6	13.2	14.1	14.2	14.0	14.3	11.5	9.9	13.3
Uttarakhand	6.8	6.8	6.9	7.5	7.5	7.5	4.9	4.7	5.2
West Bengal	5.8	5.7	5.9	6.3	6.1	6.4	4.5	4.7	4.4

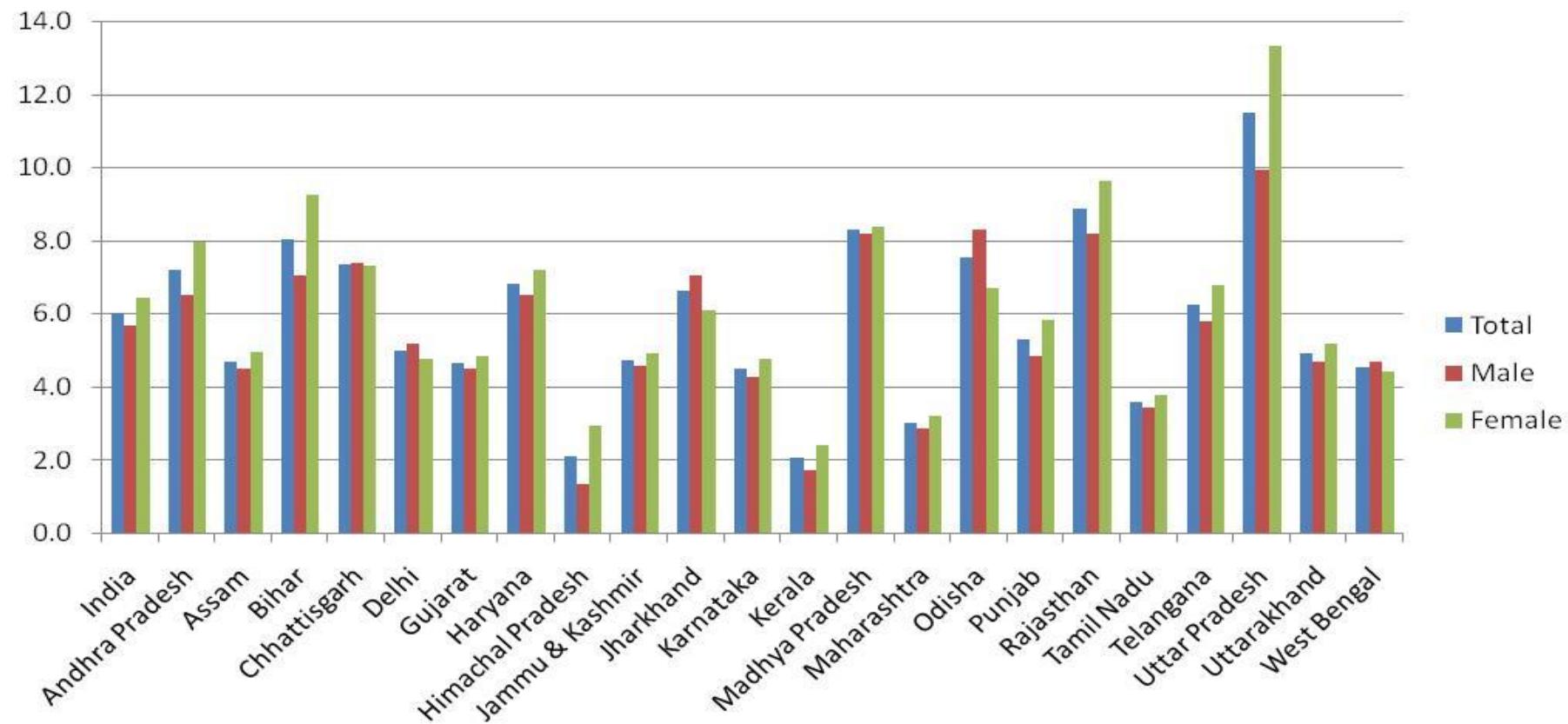
**Chart 99: Estimated death rate for children age 0-4 years by sex,
India and bigger States/UTs, 2016**



**Chart 100: Estimated death rate for children age0-4 years by sex,
India and bigger States/UTs, 2016 - RURAL**



**Chart 101: Estimated death rate for children age0-4 years by sex,
India and bigger States/UTs, 2016 - URBAN**



4.18 The Under-five mortality rates by residence are given below in Statement 53 separately for males and females. At the National level, under-five mortality rate is estimated at 39 and it varies from 43 in rural areas to 25 in urban areas. Among the bigger States/UTs, it varies from 11 in Kerala to 55 in Madhya Pradesh. All the bigger States/UTs have higher Under-five mortality rates of female than that of male except Chhattisgarh and Madhya Pradesh.

Statement 53

Under-Five Mortality Rates (U5MR) by sex and residence, India and bigger States/UTs, 2016

India & bigger States/UTs	Total			Rural			Urban		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
India	39	37	41	43	42	46	25	24	27
Andhra Pradesh	37	36	38	41	42	41	26	23	30
Assam	52	48	57	56	52	60	23	22	23
Bihar	43	35	51	44	36	52	34	29	41
Chhattisgarh	49	49	48	53	53	52	32	31	32
Delhi	22	22	23	24	23	25	22	22	23
Gujarat	33	34	33	42	43	41	19	19	20
Haryana	37	34	42	41	38	46	29	26	32
Himachal Pradesh	27	26	29	28	25	30	22	28	16
Jammu & Kashmir	26	25	28	27	25	30	23	23	23
Jharkhand	33	31	35	35	32	37	26	29	24
Karnataka	29	26	31	33	30	36	20	19	22
Kerala	11	10	12	12	11	13	10	8	11
Madhya Pradesh	55	58	52	60	64	56	35	36	35
Maharashtra	21	20	23	27	25	29	14	13	15
Odisha	50	49	51	52	50	53	38	42	35
Punjab	24	24	25	25	26	25	23	21	25
Rajasthan	45	42	49	49	46	53	33	31	36
Tamil Nadu	19	19	19	23	24	22	15	14	16
Telangana	34	33	34	38	37	40	26	26	26
Uttar Pradesh	47	46	49	50	49	51	37	34	41
Uttarakhand	41	38	45	45	42	49	31	29	35
West Bengal	27	27	28	29	27	30	23	24	23

Chart 102: Under-five Mortality Rates (U5MR) by sex , India & bigger States/UTs, 2016

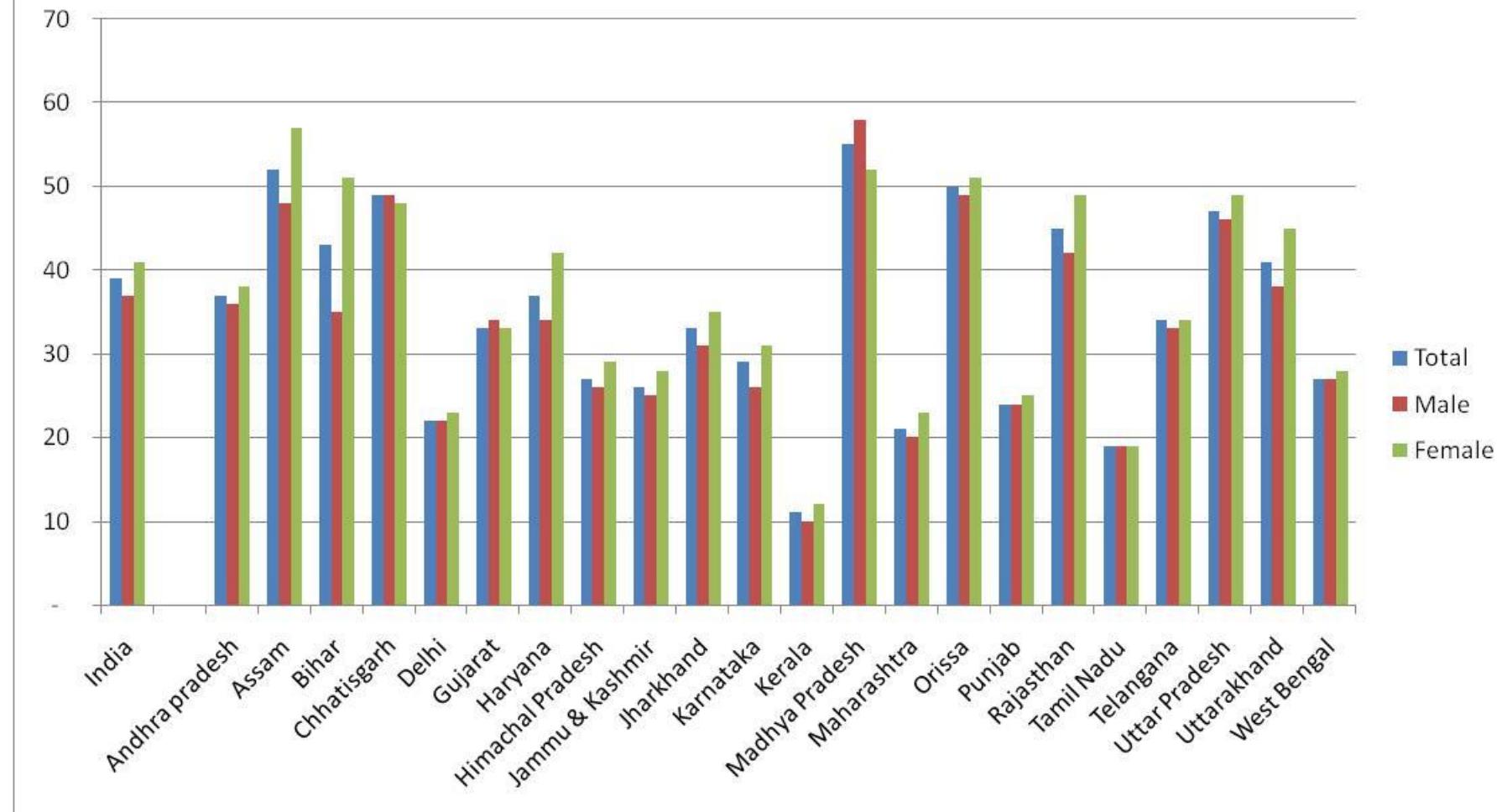


Chart 103: Under-five Mortality Rates (U5MR) by sex , India & bigger States/UT, 2016- RURAL

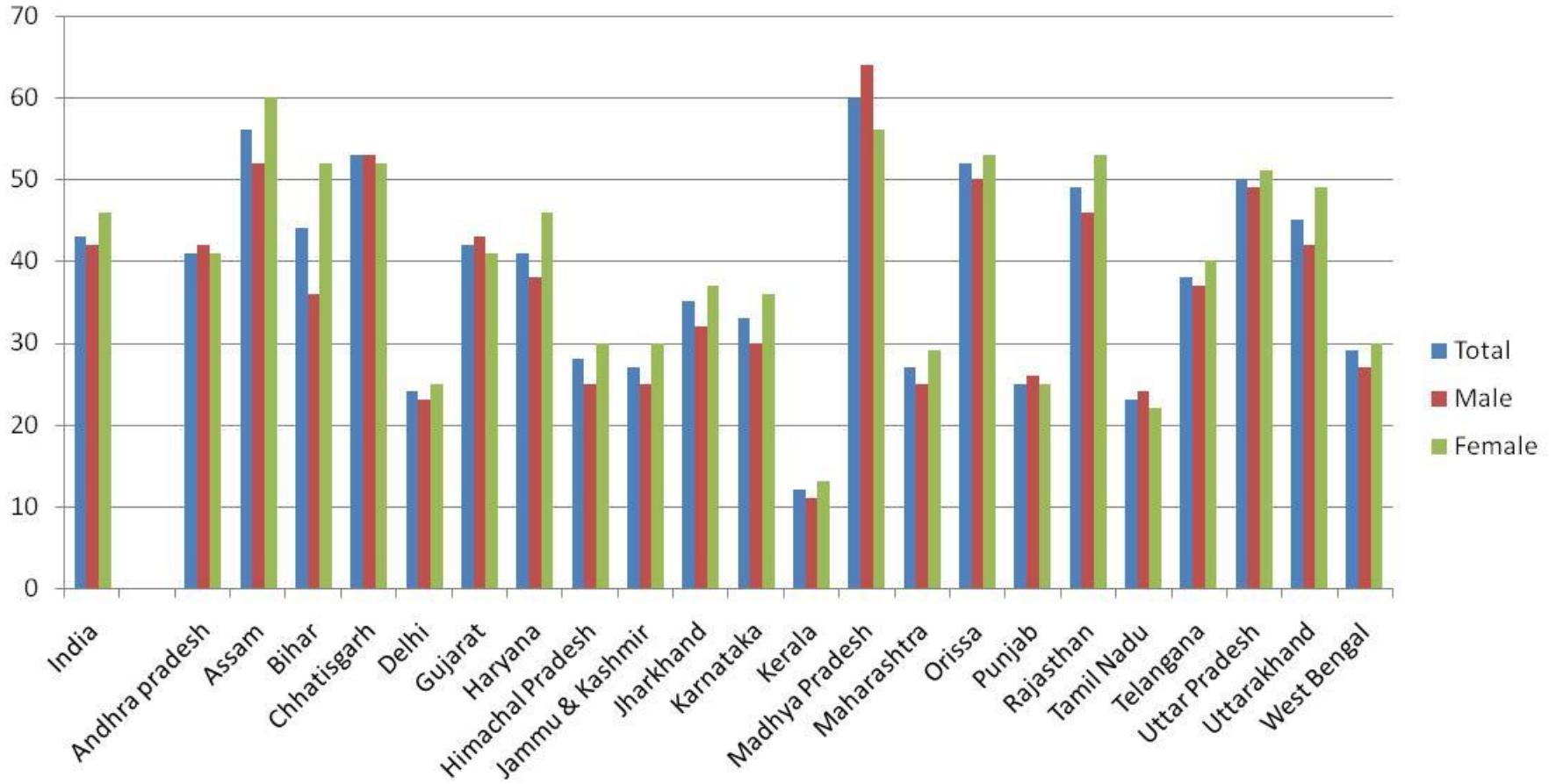
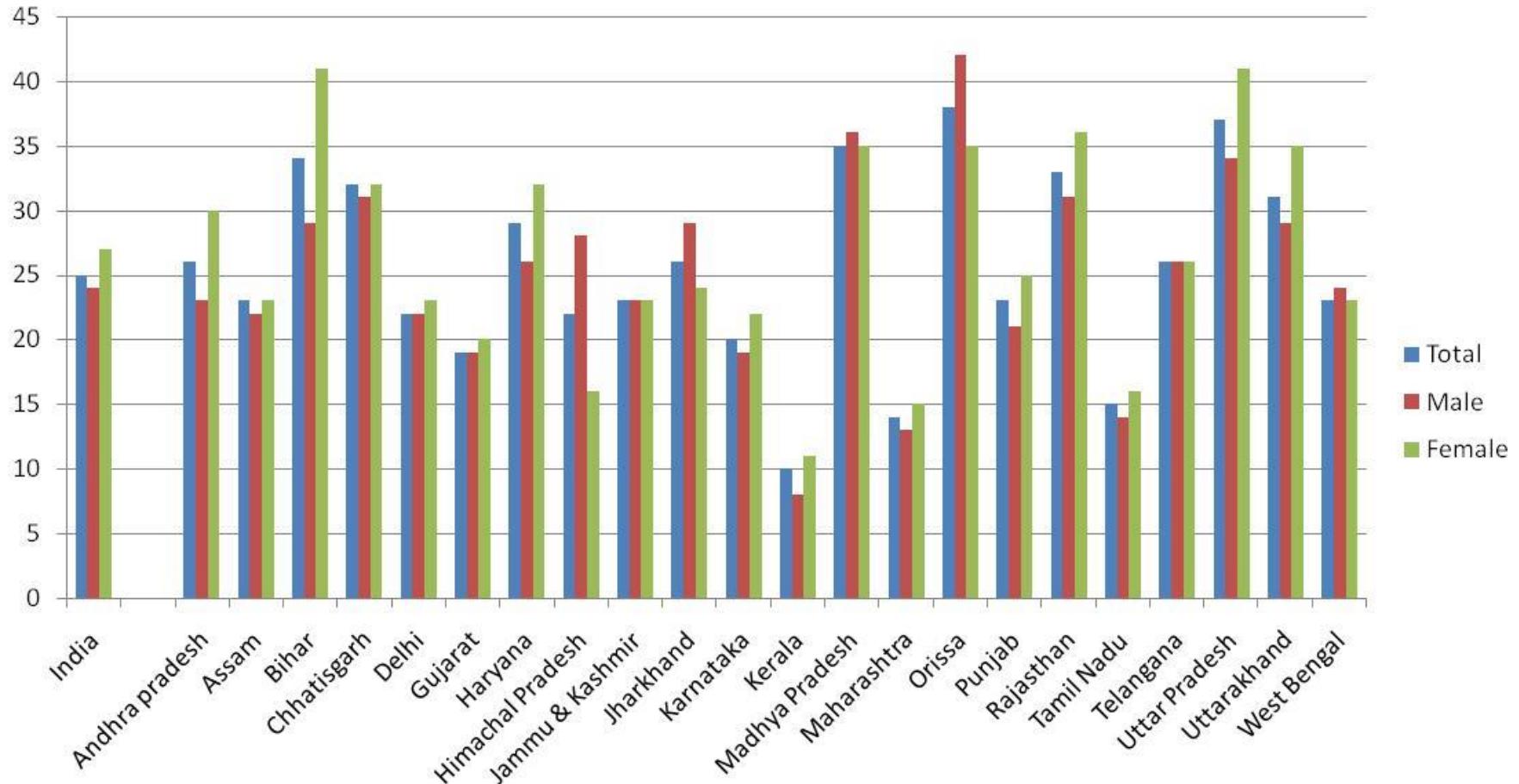


Chart 104: Under-five Mortality Rates (U5MR) by sex , India & bigger States/UT, 2016 - URBAN



4.19 Death rates for children in the age group 5-14 are given below in Statement 54. As revealed by the data, at the National level, the death rate in this age group is estimated to be 0.6. Rural-urban differentials exist with the urban areas registering lower death rates as compared to that in rural areas in majority of the States. Among the bigger States/UTs, the lowest death rate in this age group is registered in Kerala 0.2 and the highest in Jharkhand 1.4.

Statement 54

Death Rates for Children aged 5-14 years by sex and residence India and bigger States/UTs, 2016

India and bigger States/UTs	Total			Rural			Urban		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
India	0.6	0.5	0.6	0.7	0.6	0.7	0.3	0.3	0.4
Andhra Pradesh	0.3	0.2	0.3	0.3	0.3	0.4	0.1	0.0	0.2
Assam	0.8	0.5	1.0	0.8	0.5	1.1	0.7	0.6	0.8
Bihar	0.6	0.7	0.5	0.6	0.7	0.5	0.5	0.5	0.5
Chhattisgarh	0.6	0.4	0.7	0.4	0.4	0.4	1.2	0.5	2.1
Delhi	0.3	0.2	0.3	0.4	0.7	0.0	0.2	0.2	0.3
Gujarat	0.4	0.3	0.4	0.5	0.5	0.5	0.2	0.0	0.4
Haryana	0.7	0.6	0.8	0.7	0.6	0.8	0.7	0.6	0.8
Himachal Pradesh	0.3	0.0	0.5	0.3	0.0	0.5	0.3	0.5	0.0
Jammu & Kashmir	0.5	0.2	0.8	0.5	0.3	0.8	0.3	0.0	0.7
Jharkhand	1.4	1.2	1.6	1.6	1.4	1.9	0.5	0.4	0.5
Karnataka	0.5	0.4	0.5	0.7	0.7	0.7	0.0	0.0	0.0
Kerala	0.2	0.2	0.3	0.1	0.1	0.1	0.4	0.3	0.5
Madhya Pradesh	0.9	0.8	1.0	1.1	0.9	1.2	0.4	0.4	0.3
Maharashtra	0.4	0.4	0.3	0.4	0.3	0.4	0.4	0.5	0.2
Odisha	0.8	0.6	1.1	0.9	0.6	1.3	0.5	0.9	0.1
Punjab	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.3
Rajasthan	0.7	0.7	0.7	0.8	0.8	0.7	0.5	0.4	0.5
Tamil Nadu	0.3	0.4	0.2	0.5	0.6	0.3	0.2	0.2	0.2
Telangana	0.7	0.8	0.7	0.8	1.0	0.7	0.5	0.4	0.6
Uttar Pradesh	0.7	0.5	0.8	0.8	0.7	0.9	0.3	0.1	0.5
Uttarakhand	0.7	0.7	0.6	0.7	0.8	0.6	0.5	0.4	0.5
West Bengal	0.4	0.5	0.4	0.4	0.5	0.4	0.5	0.5	0.5

Chart 105: Death rates for children aged 5-14 years by sex, India and bigger States/UT, 2016

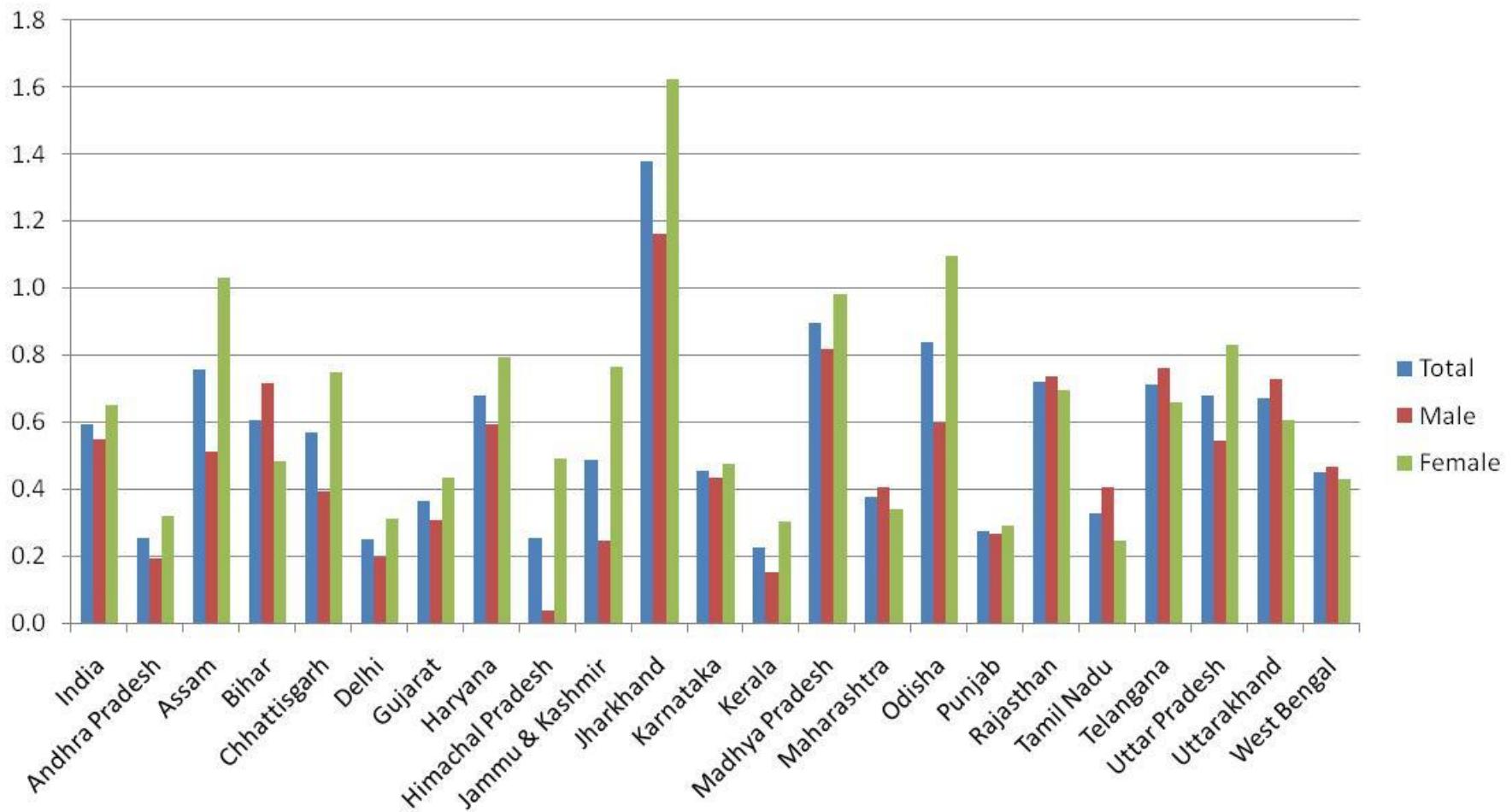


Chart 106: Death rates for children aged 5-14 years by sex, India and bigger States/UT, 2016 - RURAL

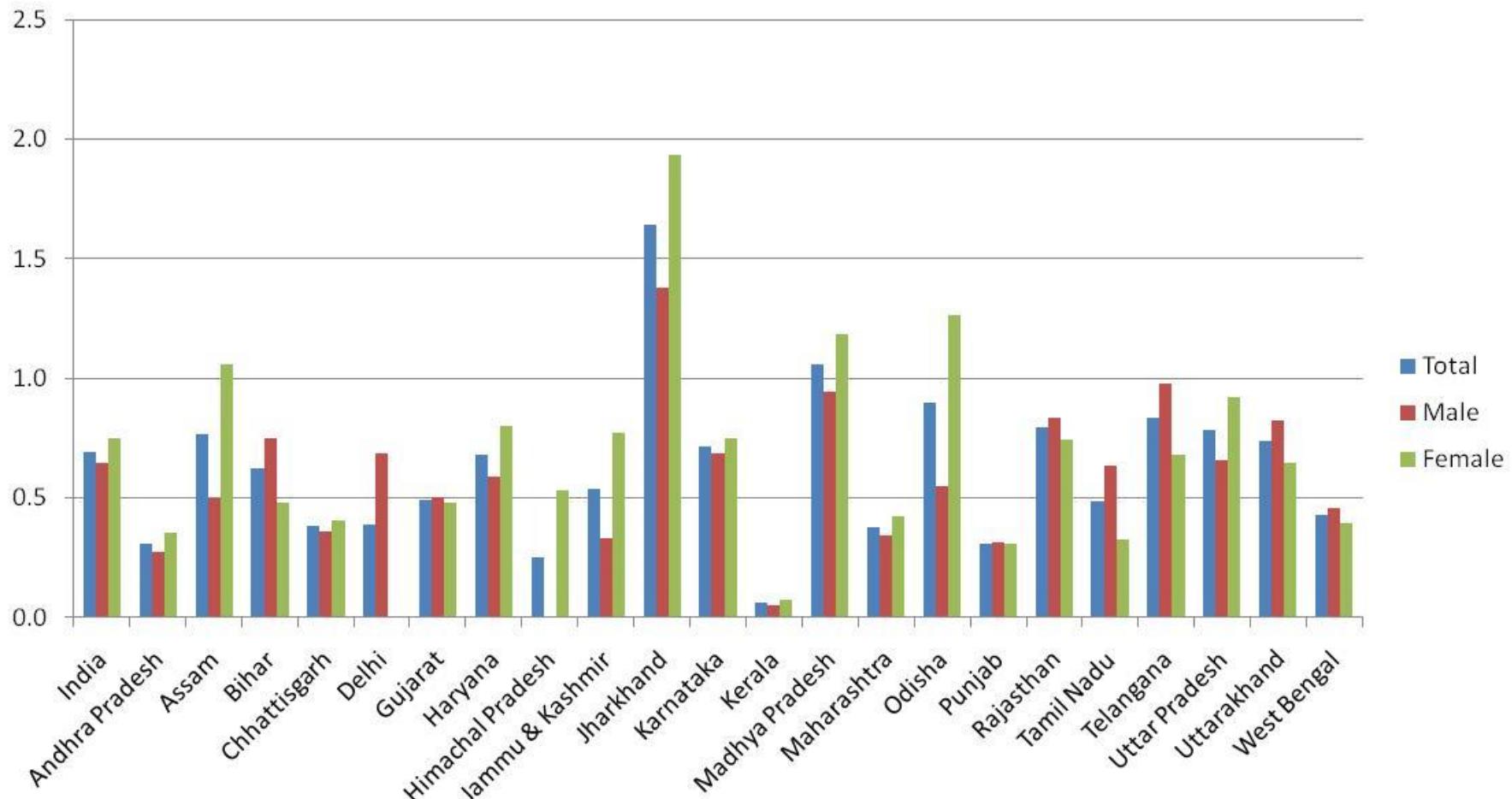
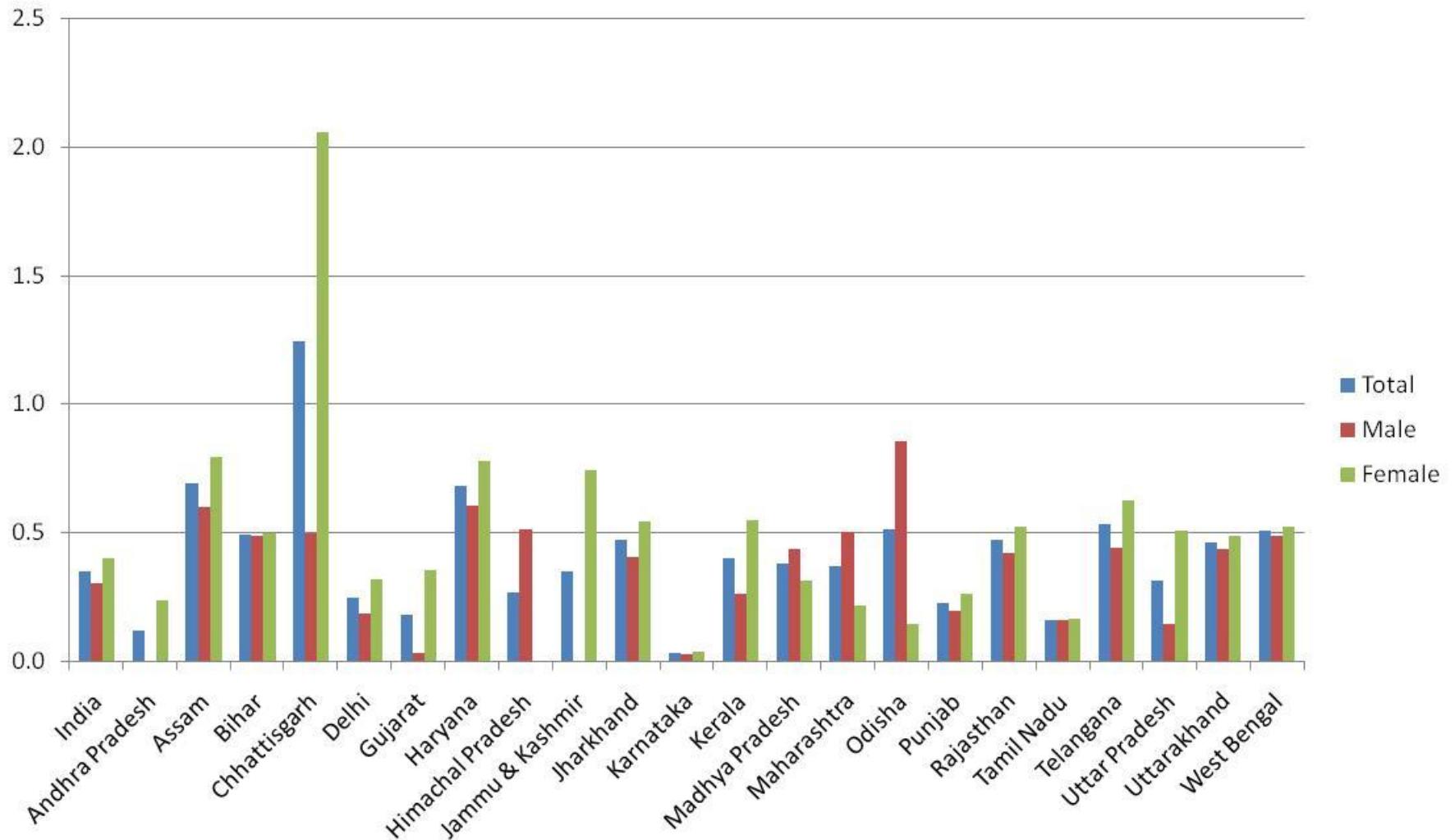


Chart 107: Death rates for children aged 5-14 years by sex, India and bigger States/UT, 2016 - URBAN



4.20 Death rates in the age group 15-59, by sex and residence, are given below in Statement 55. At the National level, death rate in this age group is estimated to be 3.1 and it varies from 3.4 in rural areas to 2.6 in urban areas. The female death rate is lower than that of males in all States except in Jharkhand.

Statement 55

Death Rates for persons aged 15-59 years by sex and residence India and bigger States/UTs, 2016

India and bigger States/UTs	Total			Rural			Urban		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
India	3.1	3.6	2.6	3.4	3.9	2.8	2.6	3.1	2.1
Andhra Pradesh	3.6	4.2	3.0	4.0	4.8	3.3	2.7	2.9	2.4
Assam	3.8	4.6	3.0	4.0	4.8	3.2	3.0	3.6	2.3
Bihar	2.1	2.2	2.0	2.0	2.1	2.0	2.6	2.6	2.5
Chhattisgarh	4.2	4.8	3.5	4.4	4.9	3.9	3.4	4.5	2.4
Delhi	2.0	2.5	1.5	2.6	3.0	2.1	2.0	2.5	1.4
Gujarat	3.2	3.8	2.6	3.5	4.5	2.5	2.9	3.1	2.7
Haryana	3.0	3.6	2.3	3.5	4.1	2.8	2.1	2.6	1.6
Himachal Pradesh	3.5	5.1	1.9	3.6	5.4	1.9	2.1	2.7	1.6
Jammu & Kashmir	2.4	2.8	2.0	2.6	3.0	2.2	2.0	2.3	1.6
Jharkhand	2.5	2.4	2.6	2.4	2.1	2.7	2.7	3.2	2.2
Karnataka	3.5	4.3	2.7	4.0	5.0	2.9	2.8	3.2	2.4
Kerala	2.5	3.4	1.7	2.5	3.6	1.5	2.5	3.1	1.9
Madhya Pradesh	3.4	4.2	2.5	3.5	4.3	2.6	3.2	4.0	2.3
Maharashtra	3.0	3.5	2.4	3.4	3.9	2.9	2.5	3.0	1.9
Odisha	3.3	3.9	2.7	3.5	4.1	2.8	2.5	3.1	1.9
Punjab	3.4	4.0	2.7	3.6	4.2	2.9	3.1	3.7	2.3
Rajasthan	2.8	3.5	2.1	2.9	3.6	2.1	2.7	3.3	2.0
Tamil Nadu	3.0	3.8	2.3	3.3	3.8	2.8	2.8	3.7	1.9
Telangana	3.0	3.6	2.5	3.5	4.3	2.7	2.3	2.6	2.1
Uttar Pradesh	3.7	3.9	3.4	4.1	4.4	3.8	2.4	2.5	2.3
Uttarakhand	3.2	4.3	2.1	3.2	4.2	2.1	3.3	4.4	2.1
West Bengal	2.6	3.0	2.3	2.6	2.8	2.3	2.8	3.2	2.4

Chart 108: Death rates for Persons aged 15-59 years by sex, India and bigger States/UT, 2016

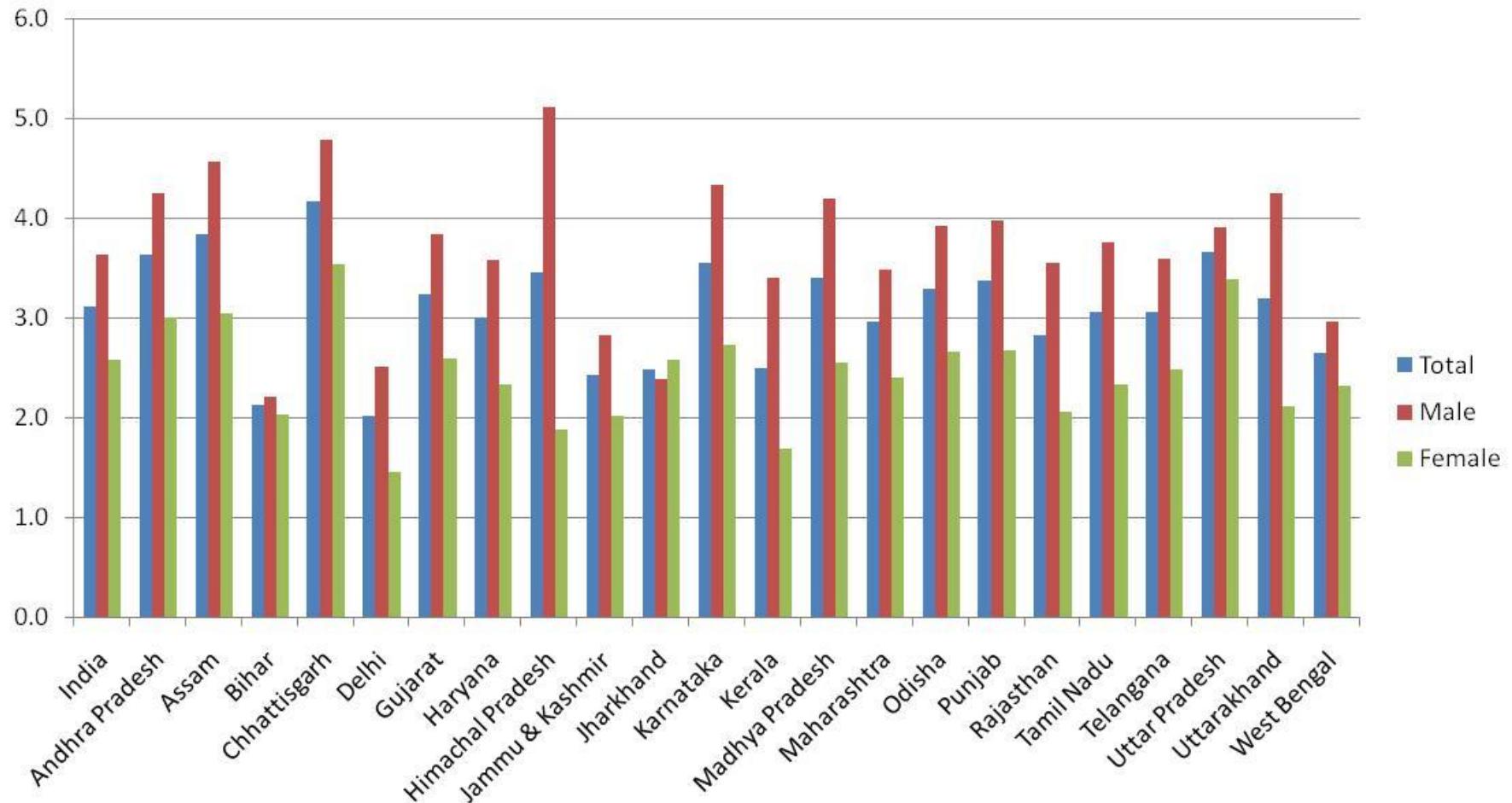


Chart 109: Death rates for Persons aged 15-59 years by sex, India and bigger States/UT, 2016 - RURAL

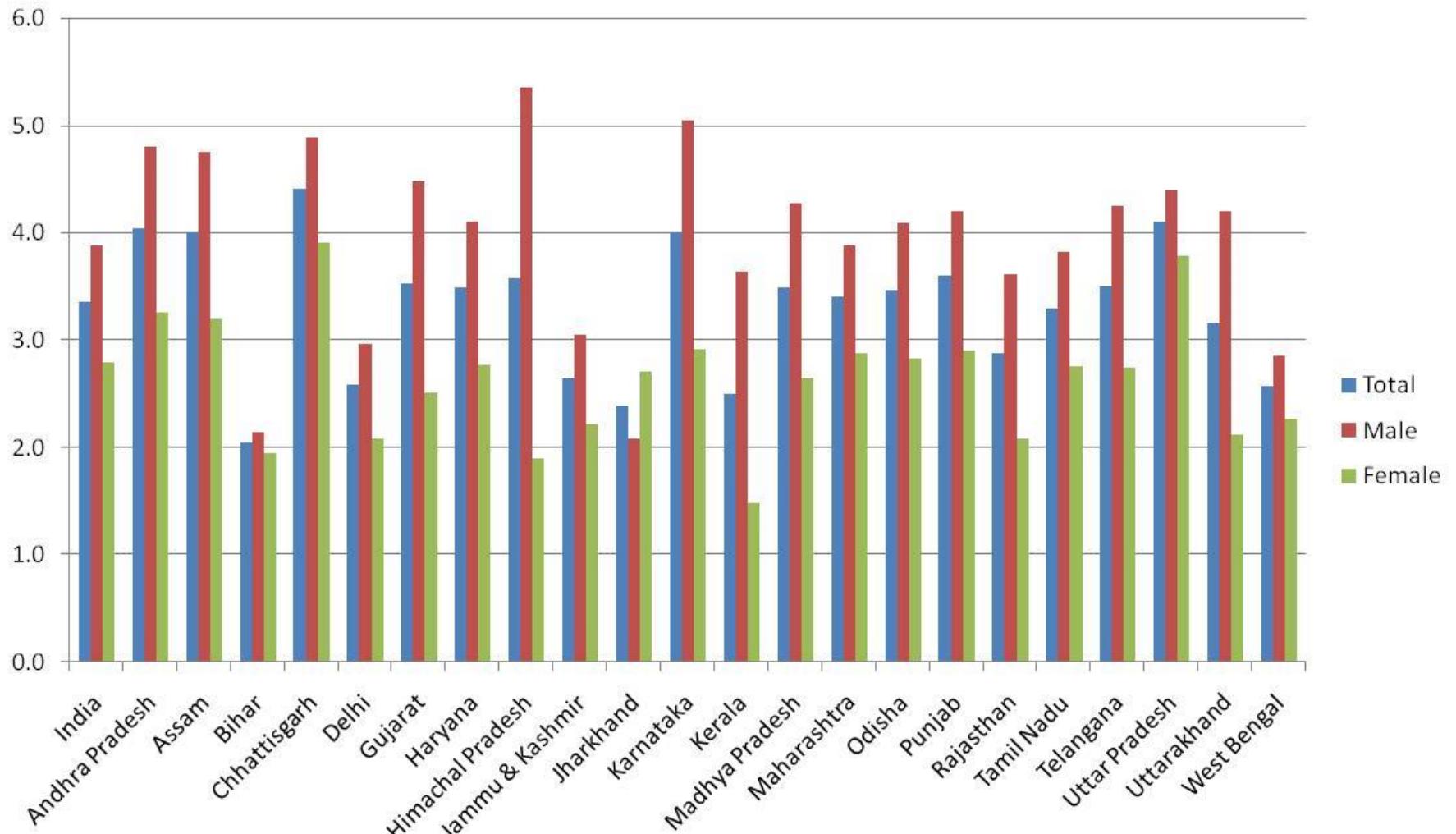
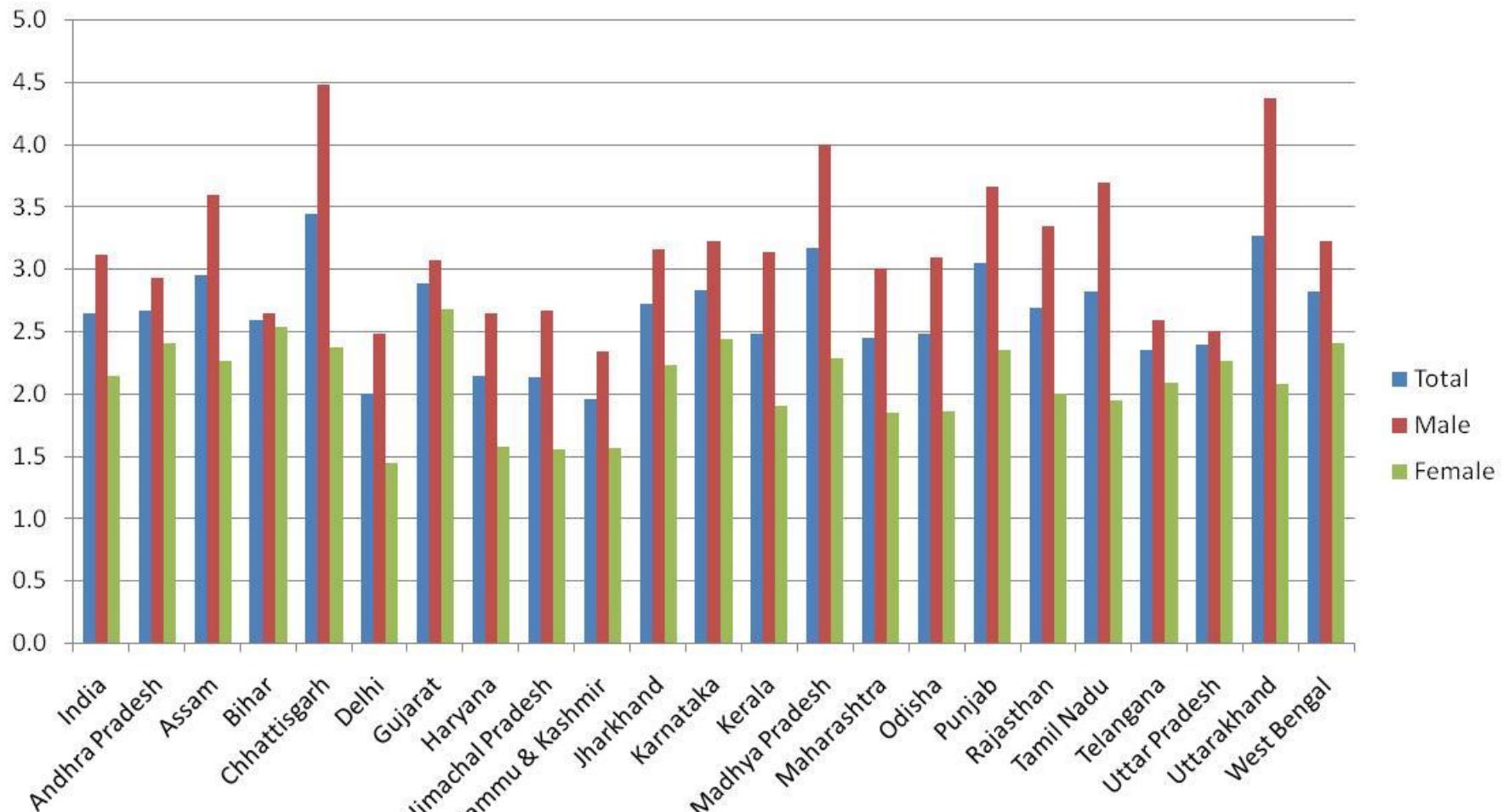


Chart 110: Death rates for Persons aged 15-59 years by sex, India and bigger States/UT, 2016 -URBAN



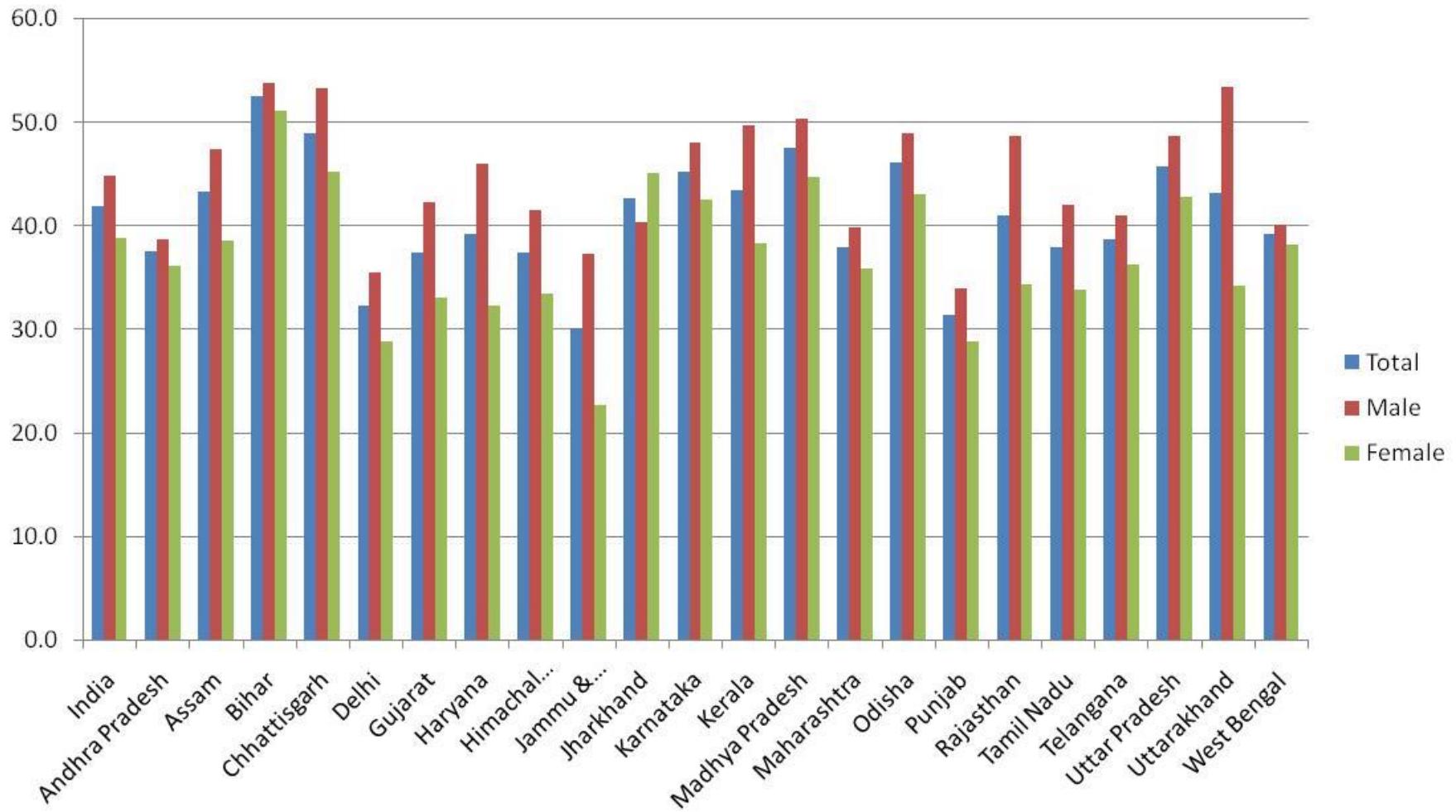
4.21 Death rates for persons aged 60 years and above by sex and residence are given below in Statement 56. At the National level, death rate in this age group is estimated to be 41.9 and males have higher mortality rate 44.9 than females 38.8. This difference exists in both rural and urban areas. The death rate for this age group, among the bigger States/UTs varies from 31.4 in Punjab to 52.6 in Bihar.

Statement 56

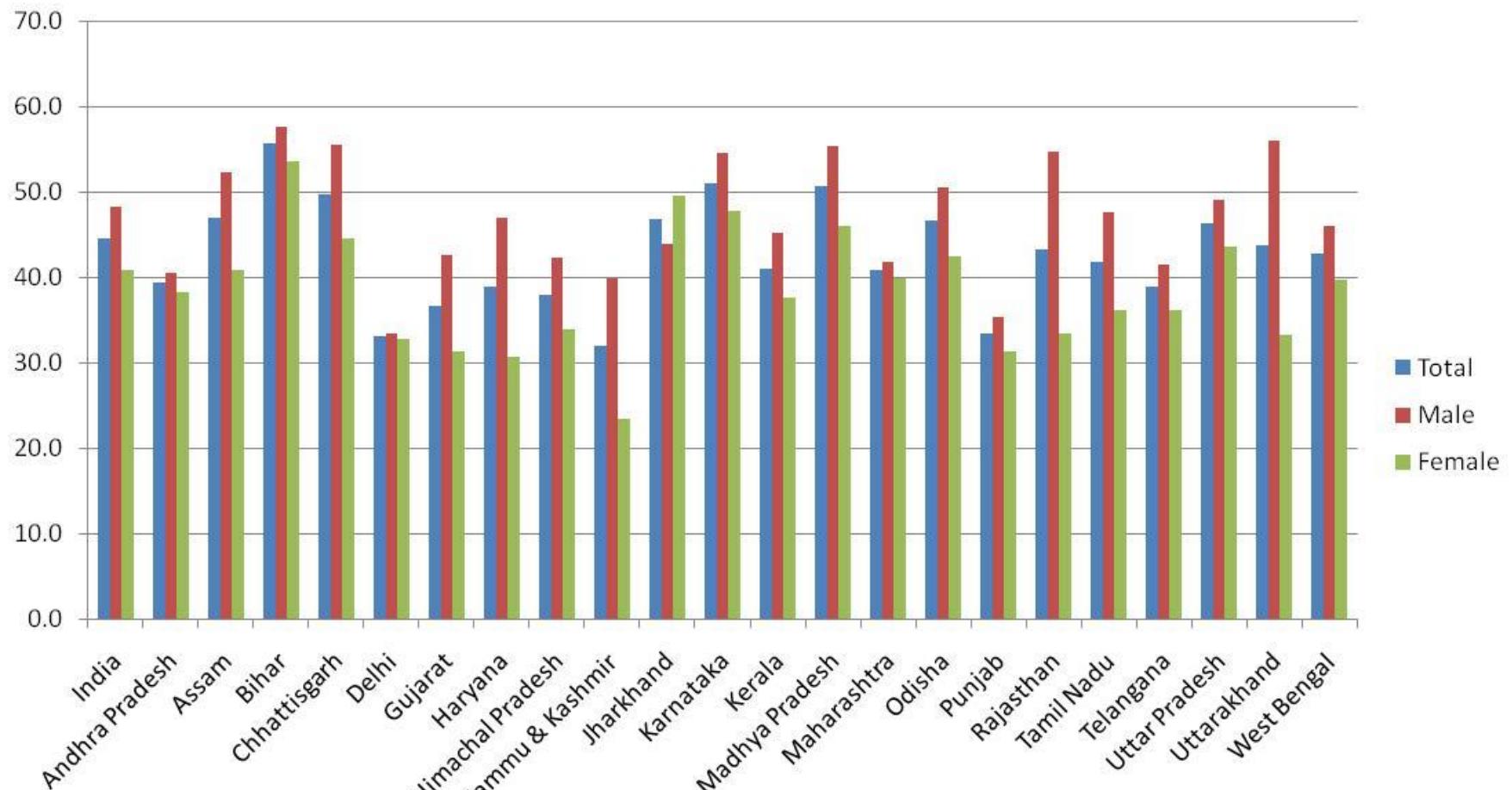
Death Rates for persons aged 60 years and above by sex and residence, India and bigger States/UTs, 2016

India and bigger States/UTs	Total			Rural			Urban		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
India	41.9	44.9	38.8	44.5	48.2	40.8	36.5	38.3	34.6
Andhra Pradesh	37.5	38.7	36.1	39.4	40.5	38.2	31.4	33.1	29.6
Assam	43.3	47.4	38.6	46.9	52.3	40.8	28.0	27.6	28.5
Bihar	52.6	53.8	51.2	55.6	57.5	53.6	37.1	35.9	38.5
Chhattisgarh	49.0	53.3	45.3	49.7	55.6	44.5	46.7	45.0	48.2
Delhi	32.3	35.5	28.9	33.1	33.4	32.8	32.2	35.6	28.8
Gujarat	37.5	42.3	33.1	36.6	42.5	31.3	38.6	41.9	35.6
Haryana	39.2	46.0	32.3	38.8	46.9	30.7	40.0	44.3	35.4
Himachal Pradesh	37.4	41.6	33.5	37.9	42.2	33.9	30.0	33.4	26.3
Jammu & Kashmir	30.2	37.3	22.6	31.9	39.9	23.4	26.7	32.0	21.2
Jharkhand	42.7	40.4	45.1	46.8	43.9	49.6	31.9	31.3	32.5
Karnataka	45.2	48.1	42.5	51.0	54.6	47.8	34.6	36.8	32.5
Kerala	43.5	49.7	38.4	41.0	45.2	37.5	46.2	54.8	39.3
Madhya Pradesh	47.5	50.4	44.7	50.6	55.3	45.9	39.3	37.4	41.3
Maharashtra	37.9	39.9	35.9	40.8	41.8	39.9	33.1	37.0	29.0
Odisha	46.1	49.0	43.1	46.6	50.5	42.4	43.6	40.3	47.0
Punjab	31.4	33.9	28.8	33.4	35.4	31.3	28.1	31.5	24.5
Rajasthan	41.0	48.7	34.3	43.2	54.7	33.4	34.8	32.5	36.9
Tamil Nadu	37.9	42.1	33.8	41.7	47.5	36.1	34.2	36.8	31.5
Telangana	38.7	41.0	36.3	38.9	41.4	36.2	38.4	40.0	36.4
Uttar Pradesh	45.7	48.7	42.8	46.3	49.1	43.5	44.0	47.4	40.4
Uttarakhand	43.3	53.4	34.3	43.7	56.0	33.2	41.8	45.5	38.0
West Bengal	39.2	40.1	38.2	42.8	45.9	39.7	33.5	31.8	35.7

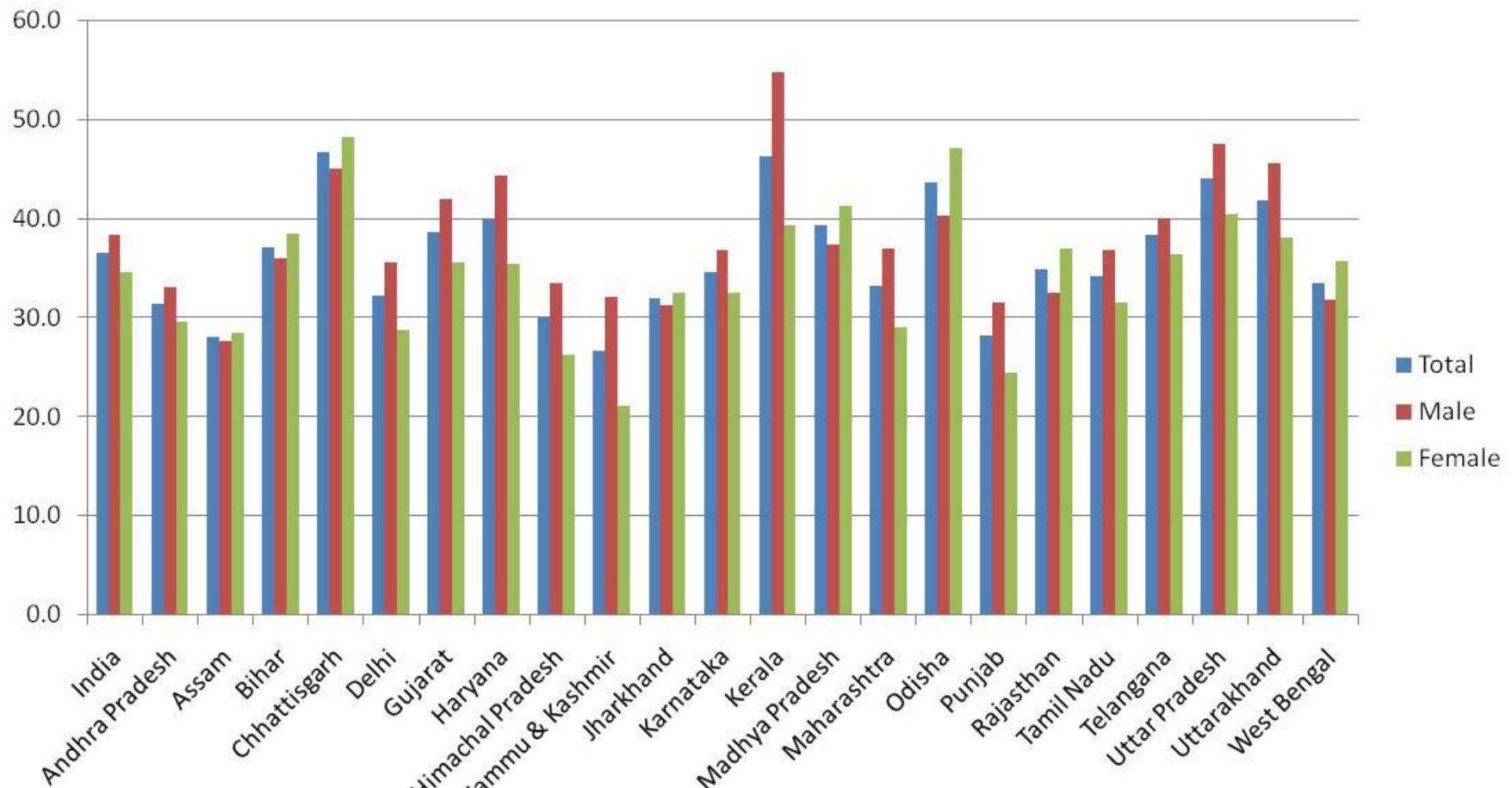
Chart 111: Death rates for Persons aged 60 years and above by sex, India and bigger States/UT, 2016



**Chart 112: Death rates for Persons aged 60 years and above by sex,
India and bigger States/UT, 2016 - RURAL**



**Chart 113: Death rates for Persons aged 60 years and above by sex,
India and bigger States/UT, 2016 - URBAN**



Medical attention before death

4.22 The type of medical attention received before death is also collected in the SRS. In the new samples from 2004 onwards, the options on types of medical attention received before death have been modified to capture the deaths occurred specifically at private hospital/nursing homes. The options include ‘Government Hospital’, ‘Private Hospital’, ‘Qualified professional’, ‘Untrained functionary’ and ‘others’. The options for the sample based on 1991 sample were ‘Institutional’; ‘Medical attention other than institution’; and ‘No medical attention’. Statement 57 given below presents the percentage distribution of deaths by type of medical attention received before death for India and bigger States/UTs separately for rural and urban areas for the year 2016. At the National level, 28.5 percent of the deaths occurred at Government Hospitals and varies from 26.3 percent in rural areas to 34.6 percent in urban areas. Among the bigger States/UTs, Himachal Pradesh 50.9 has the highest percentage of deaths in Government Hospitals and Bihar and Jharkhand (19.2) the lowest. Deaths in private hospitals account for 17.7 percent and it varies from 11.0 percent in Jammu & Kashmir to 35.8 percent in Kerala. About 20.1 percent deaths were attended by untrained functionaries and others.

Statement 57

Percent distribution of deaths by Type of Medical Attention received before death by residence, India and bigger States/UTs, 2016

India and bigger States/UTs	Government Hospital			Private Hospital			Qualified professional			Untrained functionary & others		
	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban
India	28.5	26.3	34.6	17.7	15.3	24.1	33.8	34.6	31.5	20.1	23.8	9.9
Andhra Pradesh	24.4	22.8	30.4	20.9	19.2	27.5	33.0	33.0	33.1	21.7	25.0	9.0
Assam	19.5	18.0	29.3	14.2	14.0	15.7	52.9	53.3	50.0	13.5	14.7	5.1
Bihar	19.2	18.2	26.7	11.4	9.9	22.4	41.9	42.0	40.9	27.5	29.9	10.0
Chhattisgarh	24.6	20.7	40.6	14.0	12.7	19.3	28.3	28.3	28.1	33.1	38.2	12.0
Delhi	48.6	24.6	49.3	16.3	15.3	16.3	24.4	44.5	23.8	10.7	15.5	10.6
Gujarat	24.8	20.8	33.6	18.2	15.5	24.1	46.1	48.6	40.7	10.8	15.1	1.6
Haryana	20.5	20.1	21.3	15.4	14.6	17.5	51.1	52.0	48.7	13.0	13.2	12.4
Himachal Pradesh	50.9	51.4	40.9	14.9	14.2	26.8	29.1	29.5	21.8	5.2	4.9	10.5
Jammu & Kashmir	44.1	37.1	61.4	11.0	10.1	13.3	32.5	35.8	24.5	12.3	17.0	0.8
Jharkhand	19.2	16.8	34.2	13.7	12.0	24.1	31.8	31.4	34.7	35.3	39.9	7.0
Karnataka	30.4	27.3	38.4	18.5	15.5	26.4	16.1	18.4	10.0	35.0	38.7	25.2
Kerala	41.6	45.0	38.3	35.8	38.9	32.7	15.7	7.1	24.1	6.9	9.0	4.9
Madhya Pradesh	36.4	33.7	46.1	18.0	16.1	25.1	26.7	26.8	26.2	18.9	23.5	2.6
Maharashtra	29.5	26.6	36.2	18.7	16.0	24.7	38.1	40.3	33.1	13.7	17.1	5.9
Odisha	29.0	28.0	35.7	17.1	16.8	18.7	15.9	15.6	18.3	37.9	39.6	27.2
Punjab	19.6	20.1	18.7	35.5	30.5	44.7	41.8	45.2	35.6	3.1	4.2	0.9
Rajasthan	34.5	33.9	36.4	12.8	11.4	17.3	36.2	35.7	37.6	16.5	19.1	8.7
Tamil Nadu	25.6	22.4	29.1	19.7	13.9	26.1	22.9	22.6	23.4	31.8	41.1	21.4
Telangana	23.2	21.0	28.4	20.2	17.3	27.1	36.1	36.8	34.4	20.5	24.9	10.1
Uttar Pradesh	28.2	28.5	27.2	19.9	17.9	27.1	41.4	41.3	41.5	10.6	12.4	4.2
Uttarakhand	31.0	31.3	29.9	22.1	21.2	25.2	38.0	37.7	38.9	8.9	9.8	6.1
West Bengal	32.9	28.7	41.1	11.3	8.5	16.9	41.8	42.3	40.9	14.1	20.6	1.0

Chart 114: Distribution of deaths by Type of Medical Attention received before death, India & bigger States/UT, 2016

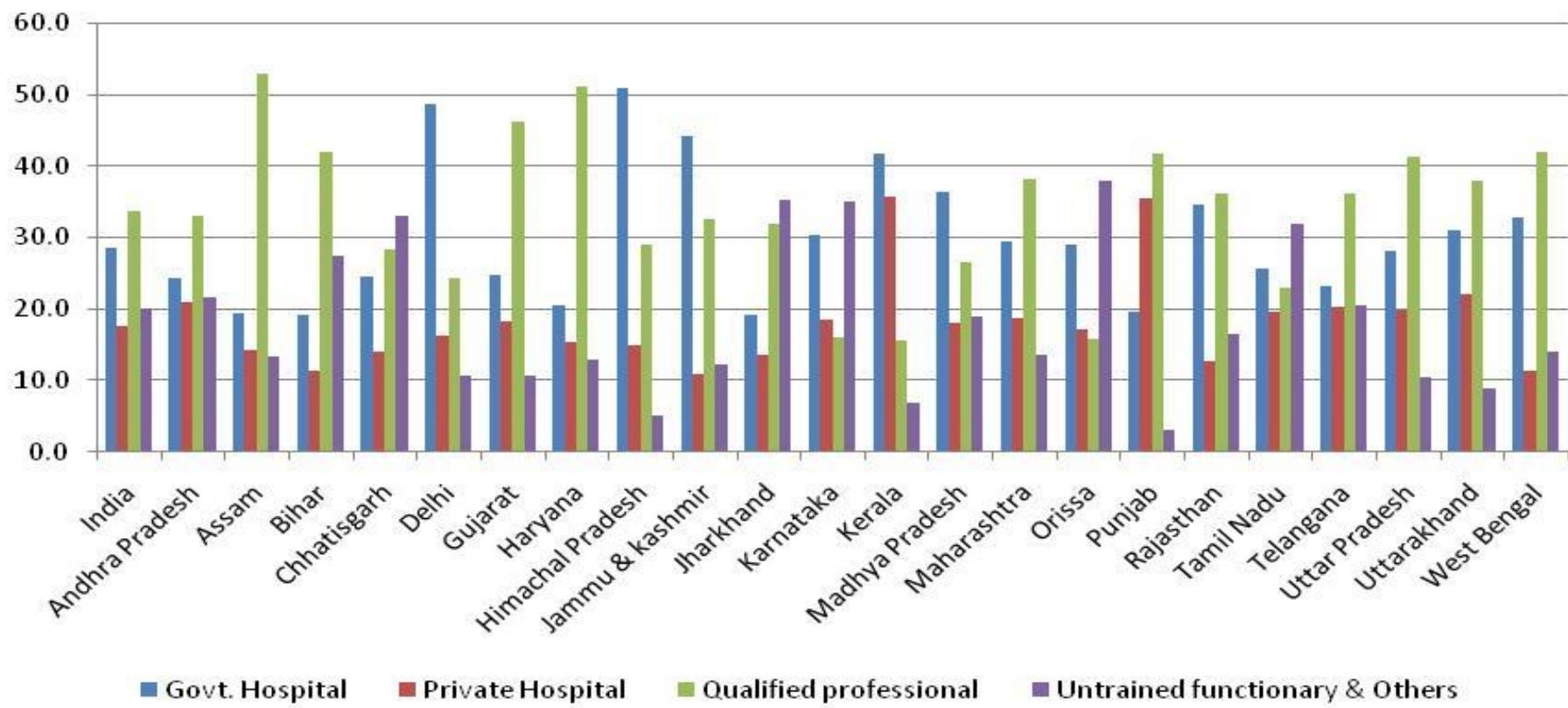


Chart 115: Distribution of deaths by Type of Medical Attention received before death, India & bigger States/UT, 2016 - RURAL

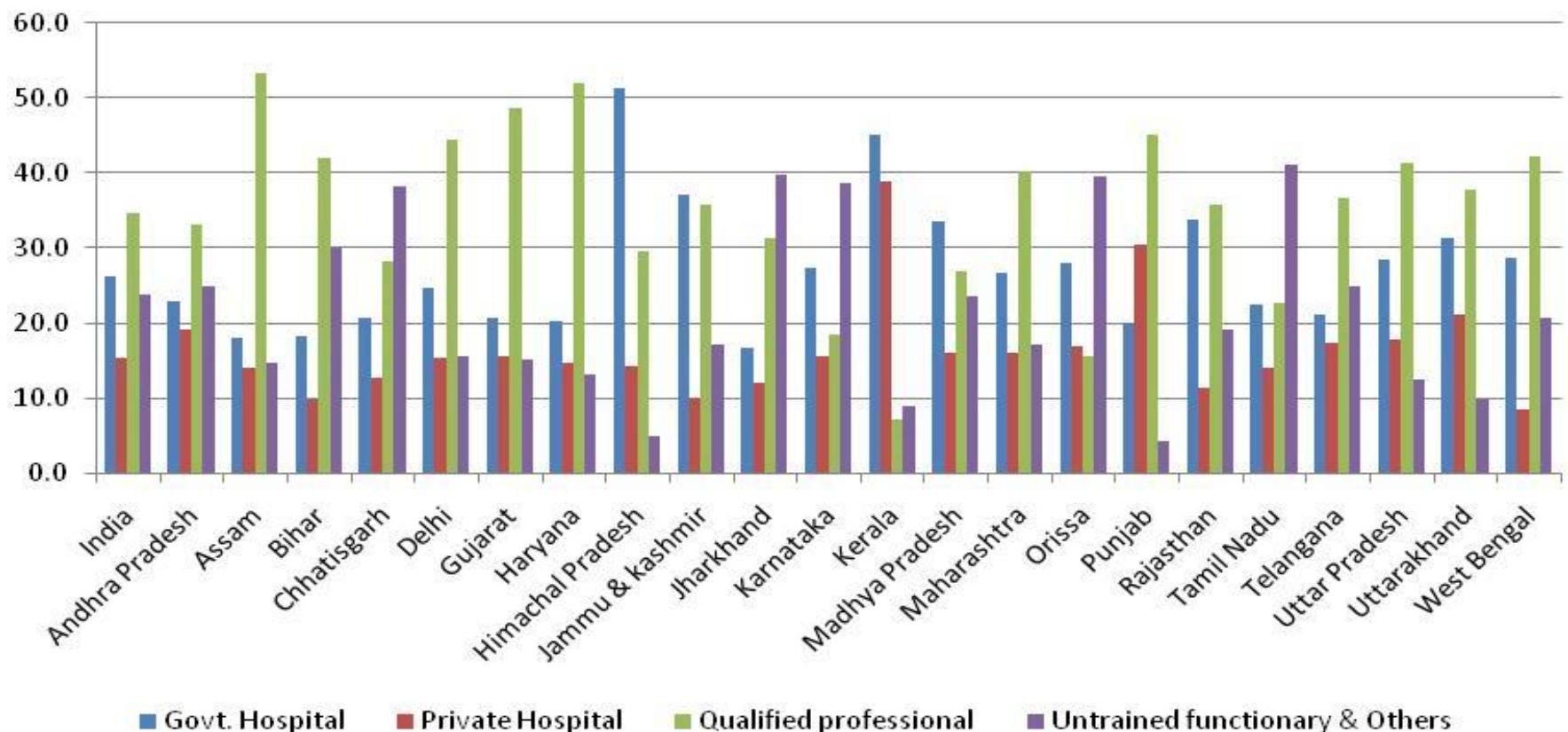


Chart 116: Distribution of deaths by Type of Medical Attention received before death, India & bigger States/UT, 2016 - URBAN

