

# Chapter 1

# POPULATION

## Coverage

Rural urban Distribution of Sex Ratio and Population Growth Rate in Post-Independence India

State-wise percent share of Female population in Total Population

Year-wise State-wise Sex-ratio in post independent India

Sex ratio in the age-group 0-6 years by Residence

State-wise sex ratio in various age Groups in the context of developmental planning

Sex ratio at Birth based on registered events

Percentage distribution of population by age-groups and sex

Percentage distribution of population by sex, marital status and age-groups

Women's Mean Age at Marriage in Major States

Female Headed Households and their Average Size by Residence

## Population and related Statistics

This chapter includes the data depicting the imbalances in the population on account of gender disparities. The rural urban classification has also been studied here in the form of following tables:

**1.1** : Rural-Urban Distribution of Sex Ratio and Average Annual Growth Rate of Population of Post Independence

**1.2** : State-wise Percent Share of Female Population in Total Population - 2011

**1.3** : Year-wise State-wise Sex Ratio in post Independent India

**1.4** : Sex ratio in the Age-Group 0-6 Years by Residence : 2011

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**1.8** : Percent Distribution of Population by Sex, Marital Status and Age-Group, 2012

**1.9** : Women's Mean Age at Marriage in Major States

**1.10** : Female Headed Households and their Average Size by Residence

### Population

As per Census 2011, the population of India is more than 121 Crore with 48.5% females which is a corollary of the fact that there are 949 female to 1000 males in rural against 929 in urban India. However, the sex ratio has improved in urban & rural India over last decades and the gap in sex ratio in rural and urban India is converging in recent decades. This may be attributed to more migration of families to the urban setup. The State of Kerala, Puducherry, Manipur, Goa and Chhattisgarh have more females than males whereas Daman & Diu and Chandigarh are home to less than 800 females to 1000 males (details may be seen in Tables 1.1 and 1.2).

### Sex Ratio

In the last 60 years, states of Assam, Delhi and West Bengal have improved the sex ratio substantially, but on the contrary, sex ratio has worsened in major states like Bihar and Odisha.

There are 918 females to 1000 males in the age-group 0-6 years, with maximum disparity in sex ratio of rural & urban area existing in Daman & Diu and Gujarat having lesser females in urban Area. The Sex Ratio is least for the Girl Child( 0-19 Years) but 1033 females over 1000 males in the age group of 60+ indicating a threat of less economic activity by a sizable population. The economically active age group(15-59) has 944 females to 1000 males. Sex ratio at birth has been reported as 908 which has marginally decreased as compared to last year (details in Tables 1.4,1.5,1.6,1.7 and 1.8).

### Mean Age at Marriage

As per the Sample Registration System, of the total females in 2012, 42.8% were never married, 48.9% were married and rest were widowed, divorced or separated, whereas 52.5% of total males are unmarried and 45.2% are married. The mean age at effective marriage for females stood at 21.2 years in 2012 with Urban age at 22.4 and rural mean age at 20.8. Among the major States, the highest mean age at marriage was 24.6 years for J&K and the lowest was 20.2 years for Jharkhand (details may be seen in Table 1.9).

### Female Headed Households

As per National Sample Survey (68<sup>th</sup> Round), 11.5% of total households in rural and 12.4 % in urban were Female Headed Households as compared to 9.7% and 10.6% during 1993-94 (refer Table 1.10).

### 1.1 : Rural-Urban Distribution of Sex Ratio and Average Annual Growth Rate of Population of Post Independence India

(Population In Millions)

Year	Rural Population			Sex Ratio	Urban Population			Sex Ratio	Total Population			Sex Ratio	Average annual Exp		
	Female	Male	Person		Female	Male	Person		Female	Male	Person		Female	Male	Person
1951	146.66	151.98	298.64	965	28.87	33.57	62.44	860	175.54	185.55	361.09	946	1.26	1.24	1.25
1961	176.79	183.51	360.30	963	36.15	42.79	78.94	845	212.94	226.29	439.23	941	1.93	1.98	1.96
1971	213.73	225.32	439.05	949	50.38	58.73	109.11	858	264.11	284.05	548.16	930	2.15	2.27	2.22
1981	255.37	268.50	523.87	951	74.59	84.87	159.46	879	329.96	353.37	683.33	934	2.23	2.18	2.20
1991	304.41	324.45	628.86	938	102.65	114.91	217.56	893	407.06	439.36	846.42	926	2.10	2.18	2.14
2001	360.95	381.67	742.62	946	135.57	150.55	286.12	900	496.45	532.16	1028.61	933	1.99	1.92	1.95
2011	405.83	427.63	833.46	949	181.62	195.49	377.11	929	587.45	623.12	1210.57	943	1.68	1.58	1.63

Source: Office of the Registrar General, India.

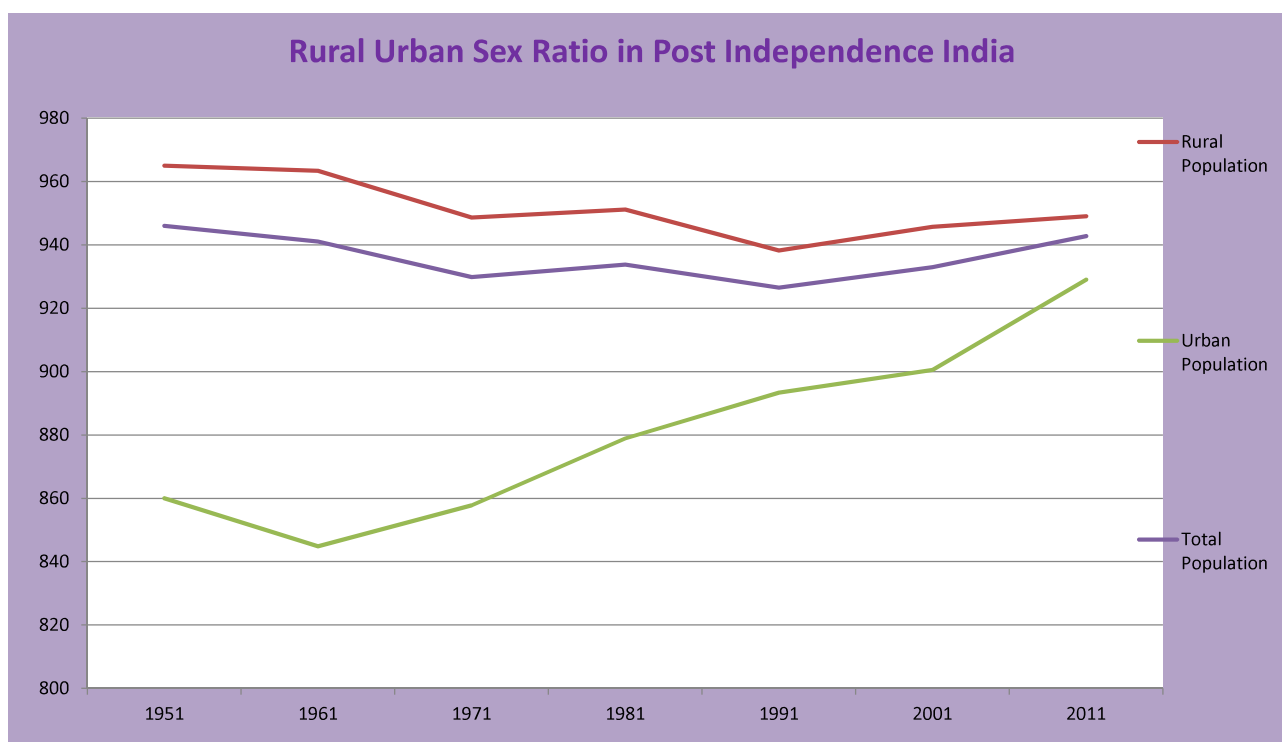
Notes:

Sex ratios have been calculated as the proportion of females to 1000 males.

Average annual Exp growth rate has been calculated using the formula  $1/10 * \ln(\text{This year population} / \text{Population as reported in the last decade})$

2001 and 2011 population exclude the estimated population of Paomata, Mao Maran and Purul sub-divisions of Senapati district of Manipur.

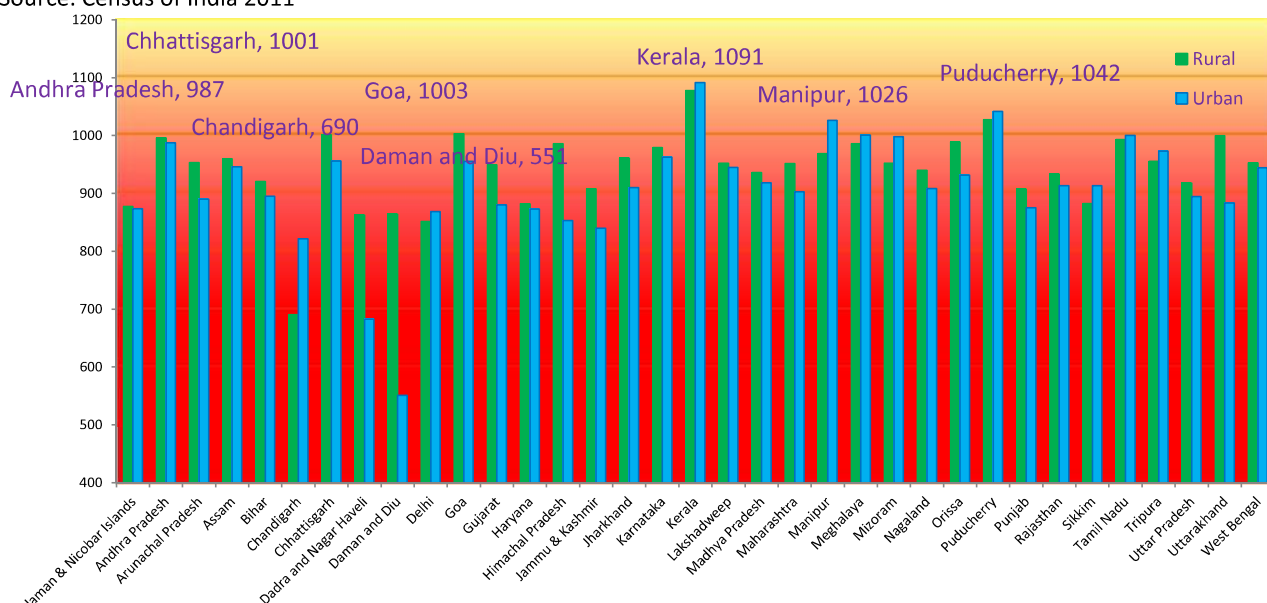
The population is as on 1st March of the year.



1.2 : State-wise Percent Share of Female Population in Total Population - 2011

State	% Share of Women			Sex Ratio		
	Rural	Urban	Total	Rural	Urban	Total
Andaman & Nicobar Islands	46.74	46.63	46.69	877	874	876
Andhra Pradesh	49.89	49.68	49.82	996	987	993
Arunachal Pradesh	48.80	47.10	48.41	953	890	938
Assam	48.97	48.61	48.92	960	946	958
Bihar	47.94	47.23	47.86	921	895	918
Chandigarh	40.84	45.10	44.98	690	822	818
Chhattisgarh	50.03	48.87	49.76	1001	956	991
Dadra and Nagar Haveli	46.31	40.56	43.63	863	682	774
Daman and Diu	46.36	35.52	38.21	864	551	618
Delhi	45.99	46.48	46.47	852	868	868
Goa	50.08	48.86	49.32	1003	956	973
Gujarat	48.70	46.82	47.90	949	880	919
Haryana	46.85	46.61	46.77	882	873	879
Himachal Pradesh	49.64	46.04	49.28	986	853	972
Jammu & Kashmir	47.58	45.64	47.05	908	840	889
Jharkhand	49.01	47.64	48.68	961	910	948
Karnataka	49.48	49.05	49.31	979	963	973
Kerala	51.87	52.18	52.02	1078	1091	1084
Lakshadweep	48.78	48.58	48.63	952	945	946
Madhya Pradesh	48.34	47.87	48.21	936	918	931
Maharashtra	48.76	47.45	48.17	952	903	929
Manipur	49.21	50.64	49.63	969	1026	985
Meghalaya	49.64	50.03	49.72	986	1001	989
Mizoram	48.78	49.94	49.39	952	998	976
Nagaland	48.46	47.60	48.21	940	908	931
Orissa	49.71	48.23	49.46	989	932	979
Puducherry	50.68	51.03	50.92	1028	1042	1037
Punjab	47.57	46.67	47.23	907	875	895
Rajasthan	48.27	47.74	48.14	933	914	928
Sikkim	46.87	47.73	47.09	882	913	890
Tamil Nadu	49.83	50.00	49.91	993	1000	996
Tripura	48.86	49.33	48.98	955	973	960
Uttar Pradesh	47.85	47.21	47.71	918	894	912
Uttarakhand	49.99	46.92	49.06	1000	884	963
West Bengal	48.79	48.56	48.72	953	944	950
<b>INDIA</b>	<b>48.69</b>	<b>48.16</b>	<b>48.53</b>	<b>949</b>	<b>929</b>	<b>943</b>

Source: Census of India 2011



1.3 : Year-wise State-wise Sex Ratio in post Independent India

State/ Union Territory	1951	1961	1971	1981	1991	2001	2011	% Improvement over last 60 years
Andaman & Nicobar Islands	625	617	644	760	818	846	876	40.16
Andhra Pradesh	986	981	977	975	972	978	993	0.69
Arunachal Pradesh	NA	894	861	862	859	893	938	4.95
Assam	868	869	896	910	923	935	958	10.34
Bihar	1000	1005	957	948	907	919	918	-8.21
Chandigarh	781	652	749	769	790	777	818	4.69
Chhattisgarh	1024	1008	998	996	985	989	991	-3.26
Dadra & Nagar Haveli	946	963	1007	974	952	812	774	-18.19
Daman & Diu	1125	1169	1099	1062	969	710	618	-45.03
Delhi	768	785	801	808	827	821	868	13.02
Goa	1128	1066	981	975	967	961	973	-13.71
Gujarat	952	940	934	942	934	920	919	-3.44
Haryana	871	868	867	870	865	861	879	0.87
Himachal Pradesh	912	938	958	973	976	968	972	6.53
Jammu & Kashmir	873	878	878	892	896	892	889	1.78
Jharkhand	961	960	945	940	922	941	948	-1.30
Karnataka	966	959	957	963	960	965	973	0.72
Kerala	1028	1022	1016	1032	1036	1058	1084	5.48
Lakshadweep	1043	1020	978	975	943	948	946	-9.25
Madhya Pradesh	945	932	920	921	912	919	931	-1.49
Maharashtra	941	936	930	937	934	922	929	-1.23
Manipur	1036	1015	980	971	958	974	992	-4.22
Meghalaya	949	937	942	954	955	972	989	4.19
Mizoram	1041	1009	946	919	921	935	976	-6.27
Nagaland	999	933	871	863	886	900	931	-6.82
Odisha	1022	1001	988	981	971	972	979	-4.23
Puducherry	1030	1013	989	985	979	1001	1037	0.72
Punjab	844	854	865	879	882	876	895	6.06
Rajasthan	921	908	911	919	910	921	928	0.78
Sikkim	907	904	863	835	878	875	890	-1.88
Tamil Nadu	1007	992	978	977	974	987	996	-1.05
Tripura	904	932	943	946	945	948	960	6.20
Uttar Pradesh	908	907	876	882	876	898	912	0.49
Uttarakhand	940	947	940	936	936	962	963	2.46
West Bengal	865	878	891	911	917	934	950	9.82
<b>India</b>	<b>946</b>	<b>941</b>	<b>930</b>	<b>934</b>	<b>927</b>	<b>933</b>	<b>943</b>	<b>-0.32</b>

Source: Office of the Registrar General, India.

#### 1.4 : Sex ratio in the Age-Group 0-6 Years by Residence : 2011

State	Rural	Urban	Total
Andaman & Nicobar Islands	976	954	968
Andhra Pradesh	941	935	939
Arunachal Pradesh	975	957	972
Assam	964	944	962
Bihar	938	912	935
Chandigarh	871	880	880
Chhattisgarh	977	937	969
Dadra and Nagar Haveli	970	872	926
Daman and Diu	932	894	904
Delhi	814	873	871
Goa	945	940	942
Gujarat	914	852	890
Haryana	835	832	834
Himachal Pradesh	912	881	909
Jammu & Kashmir	865	850	862
Jharkhand	957	908	948
Karnataka	950	946	948
Kerala	965	963	964
Lakshadweep	911	911	911
Madhya Pradesh	923	901	918
Maharashtra	890	899	894
Manipur	923	949	930
Meghalaya	972	954	970
Mizoram	966	974	970
Nagaland	933	973	943
Orissa	946	913	941
Puducherry	953	975	967
Punjab	844	852	846
Rajasthan	892	874	888
Sikkim	964	934	957
Tamil Nadu	936	952	943
Tripura	960	947	957
Uttar Pradesh	906	885	902
Uttarakhand	899	868	890
West Bengal	959	947	956
<b>India</b>	<b>923</b>	<b>905</b>	<b>918</b>

Source : Census 2011, Registrar General of India

### 1.5 : State-wise sex ratio in various age-groups in the context of developmental planning

State	Early Childhood (0-6)	Girl Child (0-19)	Reproductive Age (15-44)	Economically Active (15-59)	Old Age (60+)
Andaman & Nicobar Islands	968	948	877	856	792
Andhra Pradesh	939	940	991	995	1119
Arunachal Pradesh	972	978	950	918	917
Assam	962	951	977	956	971
Bihar	935	897	916	921	877
Chandigarh	880	807	798	800	926
Chhattisgarh	969	971	987	981	1159
Dadra and Nagar Haveli	926	846	672	694	1185
Daman and Diu	904	716	491	522	1331
Delhi	871	842	864	861	989
Goa	942	927	937	951	1200
Gujarat	890	876	907	914	1132
Haryana	834	817	881	888	1015
Himachal Pradesh	909	900	987	988	1062
Jammu & Kashmir	862	892	891	891	912
Jharkhand	948	931	943	943	994
Karnataka	948	938	964	966	1108
Kerala	964	963	1118	1106	1226
Lakshadweep	911	995	933	928	971
Madhya Pradesh	918	912	918	918	1063
Maharashtra	894	887	914	918	1114
Manipur	930	952	1012	1006	1004
Meghalaya	970	975	1003	994	1075
Mizoram	970	969	983	978	998
Nagaland	943	937	957	935	875
Odisha	941	966	998	986	998
Puducherry	967	962	1054	1037	1255
Punjab	846	811	909	914	985
Rajasthan	888	888	927	930	1102
Sikkim	957	968	883	868	813
Tamil Nadu	943	941	1014	1008	1051
Tripura	957	962	966	952	1040
Uttar Pradesh	902	891	918	922	921
Uttarakhand	890	898	988	991	1039
West Bengal	956	949	960	940	1010
<b>India</b>	<b>918</b>	<b>908</b>	<b>945</b>	<b>944</b>	<b>1033</b>

Source : Census 2011

1.6: Sex Ratio at Birth based on registered events

State/UT	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2010- 2012 *
A& N Islands	927	1003	935	967	933	949	961	973	934	954	
Andhra Pradesh	936	973	972	987	973	974	986	985	983	983	914
Arunachal Pradesh	806	812	864	799	792	854	875	806	792	897	
Assam	n.a.	750	n.a.	732	876	834	853	931	1244	920	922
Bihar	779	826	801	793	n.a.	n.a.	n.a.	715	323	n.a.	
Chandigarh	827	807	786	826	860	860	872	867	878	835	
Chhattisgarh	920	926	919	939	919	919	886	924	906	915	979
Dadra & Nagar Havelli	833	932	879	918	895	917	946	928	905	960	
Daman & Diu	876	915	906	869	847	908	916	934	912	857	
Delhi	831	823	823	822	831	848	1004	915	901	893	884
Goa	929	931	931	931	963	947	931	921	908	934	
Gujarat	826	835	824	846	972	879	883	905	902	901	909
Haryana	829	814	796	827	857	860	854	853	838	833	857
Himachal Pradesh	866	877	872	866	885	903	904	922	911	918	939
Jammu & Kashmir	923	925	934	923	906	922	906	918	917	913	895
Jharkhand	n.a.	n.a.	840	830	835	865	878	864	865	n.a.	918
Karnataka	956	924	858	943	952	1004	1047	1011	1025	983	950
Kerala	944	951	946	949	955	944	952	942	939	939	966
Lakshadweep	968	991	843	869	899	911	934	866	1015	897	
Madhya Pradesh	823	841	864	855	855	905	913	938	922	897	921
Maharashtra	826	808	811	n.a.	n.a.	n.a.	870	868	854	861	896
Manipur	949	923	1004	1011	963	913	950	934	770	816	
Meghalaya	976	875	1011	918	965	864	959	948	912	942	
Mizoram	913	926	945	940	952	938	942	949	948	972	
Nagaland	980	971	977	980	804	823	802	883	871	873	
Odisha	988	950	927	934	927	919	935	925	911	902	948
Puducherry	937	942	936	950	955	950	923	927	917	912	
Punjab	777	789	794	790	813	820	820	822	824	852	863
Rajasthan	806	833	820	805	828	832	785	861	839	911	893
Sikkim	1252	935	956	954	941	981	951	955	961	947	
Tamil Nadu	926	920	936	935	939	935	928	933	935	905	928
Tripura	1121	1202	n.r.	n.a.	n.a.	n.a.	n.a.	n.a.	996	982	
Uttar Pradesh	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	874
Uttarakhand	n.a.	n.a.	845	864	873	869	860	855	858	869	
West Bengal	882	889	903	906	890	918	914	929	931	924	944
<b>India</b>	<b>872</b>	<b>868</b>	<b>872</b>	<b>876</b>	<b>891</b>	<b>903</b>	<b>904</b>	<b>898</b>	<b>857</b>	<b>909</b>	<b>908</b>

Source : Vital Statistics of India Based On The Civil Registration System 2011

\* SRS 2012



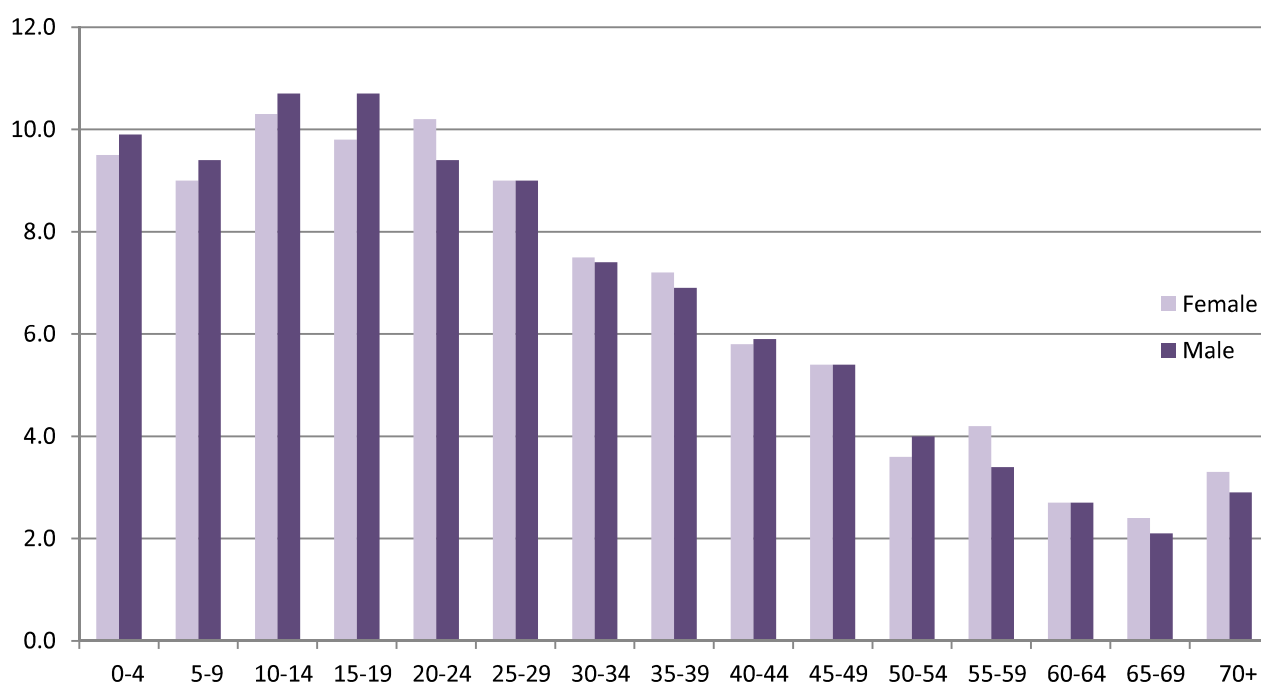
### 1.7 : Percentage Distribution of Population by Age-group and Sex

Age-Group (years)	2008		2009		2010		2011		2012	
	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male
0-4	10.1	10.3	10.0	10.4	9.8	10.2	9.5	9.9	9.4	9.9
5-9	10.6	10.7	10.3	10.6	9.8	10.2	9.0	9.4	8.9	9.3
10-14	11.2	11.5	10.6	11.1	10.7	11.1	10.3	10.7	10.1	10.6
15-19	10.0	10.4	10.0	10.8	9.7	10.4	9.8	10.7	9.6	10.3
20-24	10.0	9.8	9.9	9.5	10.3	9.9	10.2	9.4	10.5	9.9
25-29	8.5	8.4	8.5	8.4	8.5	8.4	9.0	9.0	8.9	8.8
30-34	7.8	7.7	7.6	7.4	7.9	7.7	7.5	7.4	7.8	7.8
35-39	6.6	6.6	6.7	6.5	6.7	6.4	7.2	6.9	6.9	6.7
40-44	6.0	5.9	6.1	6.1	6.2	6.1	5.8	5.9	6.2	6.2
45-49	4.5	4.8	4.7	5.0	4.8	5.0	5.4	5.4	5.2	5.1
50-54	4.0	3.7	3.5	4.2	3.5	4.2	3.6	4.0	3.9	4.3
55-59	3.4	3.4	4.3	3.2	4.2	3.2	4.2	3.4	4.0	3.2
60-64	2.7	2.6	2.7	2.6	2.5	2.5	2.7	2.7	3.0	3.0
65-69	2.0	1.9	2.1	1.9	2.1	1.9	2.4	2.1	2.3	2.1
70+	2.6	2.4	3.0	2.7	3.1	2.7	3.3	2.9	2.9	2.4

Source: Sample Registration System, Office of the Registrar General, India.

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

### Age-Group wise Percentage Distribution of Male Female Population



1.8 : Percent Distribution of Population by Sex, Marital Status and Age-Group, 2012

Age-group	Males			Females			Total			
	Never Married	Married	W/D/S	Never Married	Married	W/D/S	Never Married	Married	W/D/S	
T o t a l	<14	29.7	0.0	0.0	28.4	0.0	0.0	29.0	0.0	0.0
	15-29	20.9	8.0	0.1	13.8	15.0	0.1	17.4	11.4	0.1
	30-60	1.9	30.7	0.9	0.5	29.8	3.4	1.1	30.3	2.2
	60+	0.0	6.6	1.3	0.0	4.0	4.6	0.0	5.3	3.0
	All ages	52.5	45.2	2.3	42.8	48.9	8.3	47.8	47	5.2
R u r a l	<14	31.1	0.0	0.0	29.8	0.0	0.0	30.4	0.0	0.0
	15-29	20.5	8.6	0.1	13.2	15.4	0.1	16.9	11.9	0.1
	30-60	1.4	29.2	0.9	0.4	28.9	3.4	1.0	29.2	2.1
	60+	0.0	6.5	1.3	0.0	4.0	4.5	0.0	5.4	2.9
	All ages	53.1	44.5	2.4	43.4	48.5	8.1	48.4	46.4	5.2
U r b a n	<14	25.9	0.0	0.0	24.5	0.0	0.0	25.2	0.0	0.0
	15-29	22.1	6.3	0.0	15.6	13.7	0.1	18.9	9.9	0.1
	30-60	2.8	34.1	0.8	1.0	32.6	3.9	1.9	33.5	2.2
	60+	0.0	6.7	1.0	0.0	3.7	4.6	0.0	5.3	2.9
	All ages	50.8	47.2	2	41.2	50.1	8.7	46.1	48.6	5.3

Source: Sample Registration System, Office of the Registrar General, India.  
W/D/S: Widowed/Divorced/Separated.

1.9 : Women's Mean Age at Marriage in Major States

Major States	Rural				Urban				Combined			
	2009	2010	2011	2012	2009	2010	2011	2012	2009	2010	2011	2012
Andhra Pradesh	19.5	20.0	20.0	20.3	20.9	21.7	21.7	21.3	19.9	20.6	21.6	20.6
Assam	20.7	21.1	21.2	21.2	23.8	24.5	23.3	23.1	21.1	21.6	21.5	21.4
Bihar	19.9	20.5	20.5	20.6	21.2	21.9	21.9	22.3	20.1	20.6	20.7	20.8
Chhattisgarh				20.4				22.0				20.6
Delhi				21.3				23.2				22.9
Gujarat	20.4	20.4	20.7	20.7	21.7	22.0	22.3	22.3	20.9	21.6	21.3	21.4
Haryana	20.2	20.3	20.7	20.7	21.6	21.4	21.7	22.1	20.6	20.7	21.0	21.1
Himachal Pradesh	22.1	22.0	22.2	22.2	23.9	24.8	24.1	24.3	22.2	22.2	22.4	22.4
Jammu & Kashmir				24.3				26.2				24.6
Jharkhand				20.0				21.4				20.2
Karnataka	20.0	20.5	20.6	20.9	21.7	22.2	21.9	22.5	20.6	21.1	21.0	21.4
Kerala	22.8	22.6	22.6	22.8	22.7	22.6	22.8	23.1	22.7	22.6	22.6	22.9
Madhya Pradesh	22.2	20.1	20.1	20.4	23.9	22.6	22.7	22.3	21.0	20.6	20.7	20.8
Maharashtra	19.7	19.8	20.7	20.1	21.9	22.7	22.5	22.2	20.5	20.6	21.7	20.7
Odisha	21.2	20.9	21.3	21.0	22.8	22.5	22.5	22.9	21.4	21.1	21.4	21.2
Punjab	21.7	21.7	22.2	22.4	22.9	23.1	22.8	23.1	22.1	22.1	22.4	22.6
Rajasthan	19.4	19.5	20.1	20.2	21.2	22.1	21.7	21.8	19.8	20.1	20.5	20.6
Tamil Nadu	21.8	21.8	22.0	22.0	23.3	23.0	23.1	23.0	22.4	22.3	22.4	22.4
Uttar Pradesh	20.0	20.7	20.6	21.1	21.7	22.5	22.1	22.5	20.2	21.0	20.8	21.3
West Bengal	19.3	19.7	19.7	19.9	21.8	22.1	22.3	22.3	19.9	20.3	20.3	20.5
India	20.2	20.5	20.7	20.8	22.2	22.4	22.7	22.4	20.7	21.0	21.2	21.2

Source: Sample Registration System, Office of the Registrar General of India.

### 1.10 : Female Headed Households and their Average Size by Residence

Year	Sector	No. of female headed hhs per 1000 hhs	Household size
July 1993-June 1994	Rural	97	3.2
	Urban	106	3.2
July 1999-June 2000	Rural	104	3.5
	Urban	94	3.5
July 2004-June 2005	Rural	113	3.4
	Urban	111	3.5
July 2009-June 2010	Rural	118	3.2
	Urban	116	3.1
July 2011-June 2012	Rural	115	3.3
	Urban	124	3.2

Source: National Sample Survey Office.

