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Population at Stabilisation
in Districts of India

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Abstract

This chapter the population at stabilisation in 640 districts of the country as they existed at the time of 2011 population census based on the modelling population growth in the districts which is found to provide very good fit to population growth during 1951-2011. The very good fit of the model suggests that the upper asymptote of the logistic growth model may be taken as an estimate of the upper limit of population growth or population at stabilisation in the district. The sum of the population at stabilisation in 640 districts closely approximates the most likely upper limit of population growth in the country projected by the United Nations which validates the approach. The time when the population of the district stabilises will, however, be different in different districts because they are at different stages of population transition. The paper also highlights the inter-district variation in population density and male-female imbalance in population at stabilisation.

Background

This chapter estimates the size of the population at stabilisation in 640 districts of the country. Estimating the size of the population at stabilisation is important for understanding its implications for economic and social well-being and safeguarding the environment. It is well-known that the environment that sustains life on the planet Earth is being endangered primarily by human-driven processes and their synergistic interactions (Brooks et al, 2008). It is, therefore, imperative that the size of the population at stabilisation is estimated and its impact explored to plan for a sustainable future society. Population stabilises when it stops growing. The upper limit of population growth, therefore, is the population at stabilisation. There has never been any attempt in India estimate population at stabilisation in different districts, although, National Population Policy 2000 has envisioned stabilising the population of the country by the year 2045 at a level consistent with the requirements of sustainable economic growth, social development, and environmental protection by achieving the replacement fertility by the year 2010 (Government of India, 2000). The Policy, however, is silent about the size of the population of the country and its states/Union Territories and districts at stabilisation.

The modelling of population growth in the 640 districts of the country, as they existed at the time of 2011 population census, presented in the earlier chapter reveals that, in all but a few districts of the country, the simple logistic growth model provides very good fit to population growth during the period 1951-2011. The very good fit of the simple logistic growth model implies that population growth follows an S-shaped growth trajectory which has three phases – an initial phase in which population increases exponentially; a middle phase in which population increases linearly; and a final phase in which population growth slows down and approaches an upper limit. The logistic growth model assumes that population grows exponentially under the constraint of an upper limit (Lotka, 1956). If the population growth in a district follows the logistic growth curve, then the upper

asymptote of the logistic growth model gives the estimate of the upper limit of district population growth or the population of the district at stabilisation.

The upper asymptote of the logistic growth model can be estimated using the critical points separating three critical phases of logistic growth. There are several methods available to determine the critical points of the logistic growth curve. Details of these methods are given elsewhere (Passos et al, 2012). However, all methods provide an under-estimate of the upper asymptote of the logistic growth model or under-estimates the population at stabilisation. A popular method to approximate the upper asymptote of the simple logistic growth model is the size of the population at the point of intersection of the tangent at the inflexion point of the population growth trajectory with the upper asymptote of the simple logistic growth model. If K is the size of the population at the intersection of the tangent at the inflexion point of the population growth trajectory and the upper asymptote U is the upper asymptote of the logistic growth model, then it has been shown that (Passos et al, 2012):

$$K = \frac{U}{(1 + \exp(-2))} \text{ or } U = K \times (1 + \exp(-2))$$

If it is assumed that population growth is maximal at the point of inflexion, then K can be calculated as

$$K = \frac{4 \times s}{r}$$

where s is the slope of population growth trajectory when population growth rate is the highest and r is the intrinsic population growth rate or the 'width' or 'steepness' of population growth trajectory.

Population of Districts at Stabilisation

Estimates of the population at stabilisation in the 640 districts of the country are presented in the appendix table to this chapter, along with the estimated increase in the district population before it stabilises or stops growing. The appendix table also gives estimates of the density of the population of the district at stabilisation and sex ratio of the population. The population of a district at the time of stabilisation determined by the initial size of the population and the intrinsic rate of population growth of the district. Since both the initial size of the population and the intrinsic population growth rate varies widely across the districts, the population of the time of stabilisation is bound to vary across the districts. Among the 640 districts of the country, district Thane in Maharashtra is estimated to have the largest population at stabilisation, almost 19 million whereas district Dibang Valley of Arunachal Pradesh will have the smallest population at stabilisation, less than 9 thousand. There are 8 districts – district Rabangareddy in Telangana, districts South 24 Parganas and North 24 Parganas in West Bengal, districts Thane, Pune and Mumbai Sub-urban, district Bengaluru in Karnataka and district Surat in Gujarat – where the population is likely to stabilise somewhere between 10-20 million. In 11 other districts – 4 in West Bengal, 2 in Bihar, 2 in Uttar Pradesh, one in Gujarat, and 1 in Rajasthan, the population likely to stabilise between 7-10 million. On the other hand, there are 16 districts in the country where population is likely to stabilise at less than 100 thousand. Five of these 16 districts are in Arunachal Pradesh while 2 are in Himachal Pradesh and 2 are in Mizoram. In district Nicobar of Andaman & Nicobar Islands, North district in Sikkim, district Mahe in Puducherry, district Diu in Daman & Diu, district Saiha in Tripura, district Lakshadweep in Lakshadweep and district Longleng in Nagaland also, the population is likely to stabilise at less than 100 thousand.

The proportionate increase in population between population in 2011 and the population at stabilisation is estimated to be the highest in district Kurung Kumey of Arunachal Pradesh but the lowest in district Mamit of Mizoram. There are only two districts – Mamit in Mizoram and Dibang Valley in Arunachal Pradesh – where the increase in population between population in 2011 and population at stabilisation will be less than 10 per cent. In majority of the districts of the country, however, the proportionate increase in population between population in 2011 and population at stabilisation will range between 20-40 per cent. There are only 24 districts where the proportionate

increase in population between the population in 2011 and the population at stabilisation is likely to be more than 60 per cent whereas there are only 7 districts, where the population at stabilisation is likely to be more than two times the population enumerated at the 2011 population census. These districts are: district Senapati in Manipur, district Gautam Budh Nagar in Uttar Pradesh, district Dadra & Nagar Haveli in Dadra & Nagar Haveli, district Daman in Daman & Diu, district Gurgaon in Haryana, district Yanam in Puducherry, and district Kurung Kumey in Arunachal Pradesh (Figure 1).

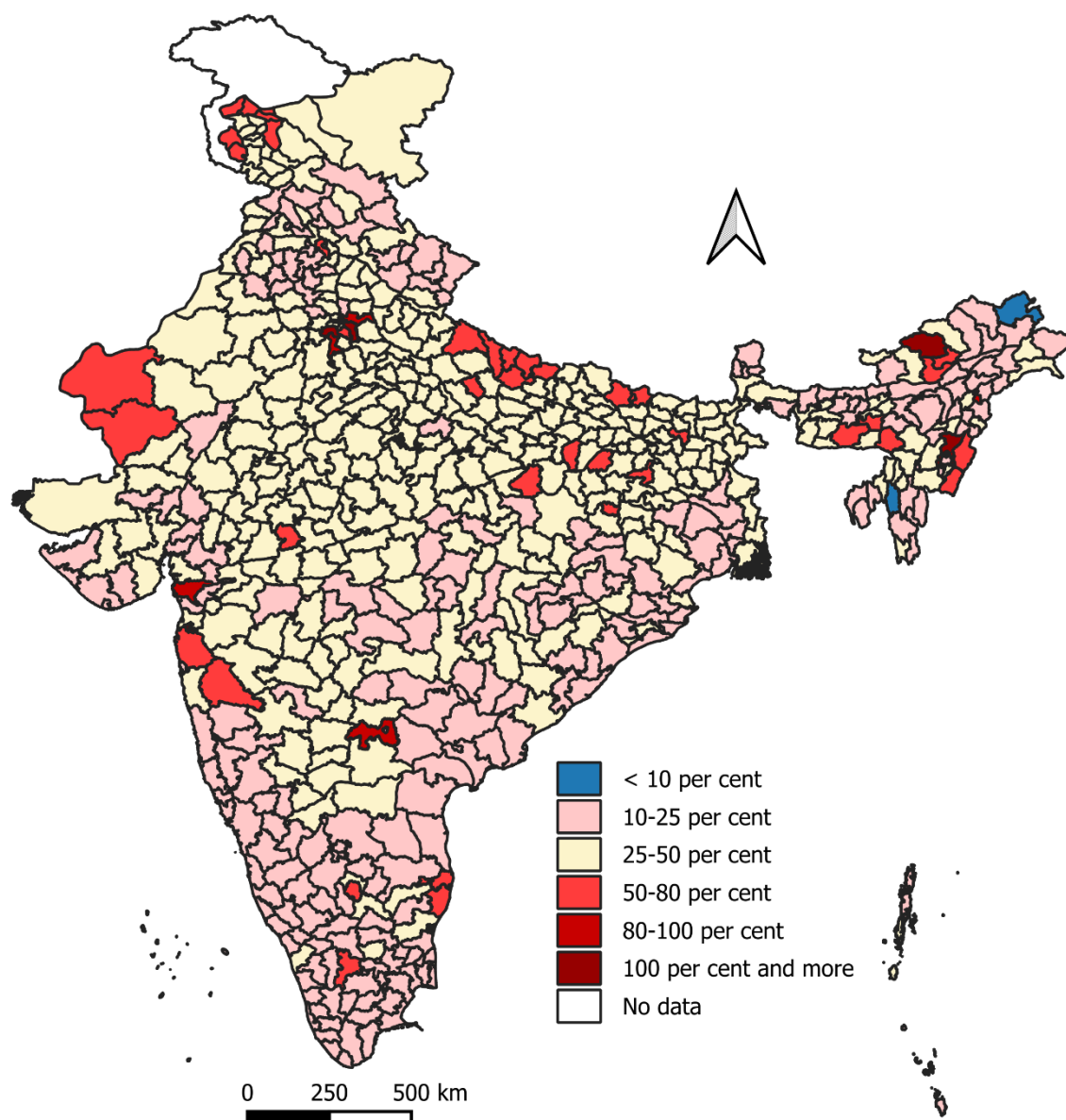


Figure 1: proportion increase in district population between population in 2011 and population at stabilisation.

Source: Author

The year around when the population of the district is likely to stop increasing is not possible to estimate because the upper asymptote of the logistic growth model is by definition asymptotic. It is, however, possible to estimate the year when 99 per cent of the upper asymptote of the logistic population growth model or the upper limit of population growth is likely to be achieved. For each district, the year when 99 per cent of the upper limit of population growth in the district is likely to be achieved given in the appendix table. The fitting of the logistic growth model to district population suggests that there are 40 (6 per cent) districts in the country where 99 per cent of the upper limit

of population growth is likely to be achieved by the year 2031. In 65 (10 per cent) districts, 99 per cent of the upper limit of population growth is likely to be achieved by the year 2041 whereas in 196 (31 per cent) districts, 99 per cent of the upper limit of population growth is likely to be achieved by the year 2051. In 255 (40 per cent) districts, 99 per cent of the upper limit of population growth is likely to be achieved by the year 2061. This leaves 84 (13 per cent) districts in which 99 per cent of the upper limit of population growth is likely to be achieved only after 2061. On the other hand, there are only 27 (4 per cent) districts where 99 per cent of the upper limit of population growth in the district is not likely to be achieved before 2071 according to the logistic growth modelling exercise. This means that, in more than 70 per cent districts of the country as they existed at the time of 2011 population census, population is likely to stop increasing sometimes during the period 2051-2061. The logistic growth modelling exercise also suggests that there are 18 districts where 99 per cent of the upper limit of population growth appears to have been achieved sometimes before 2021.

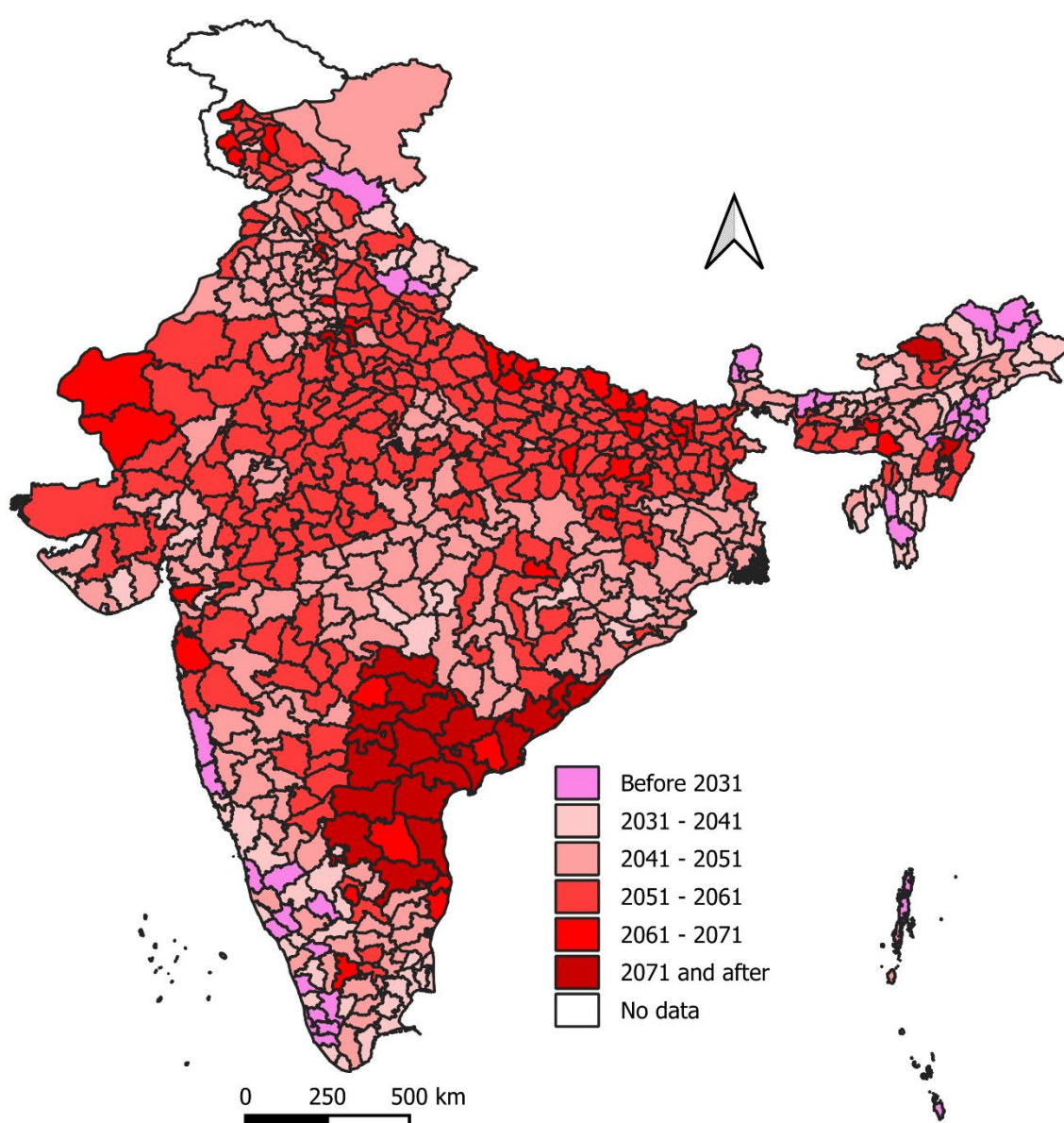


Figure 2: The time when 99 per cent of the upper limit of population growth is likely to be reached in districts of India.

Source: Author.

Table 2: Population at stabilisation in the states and Union Territories of India.

Country/State/Union Territory	Male	Female	Person	Increase since 2011	
				Number	%
Jammu and Kashmir	9.731	8.568	18.298	5.757	45.9
Himachal Pradesh	4.372	4.231	8.603	1.738	25.3
Punjab	18.642	16.677	35.319	7.576	27.3
Chandigarh	0.768	0.637	1.406	0.350	33.2
Uttarakhand	6.761	6.780	13.541	3.455	34.2
Haryana	19.458	17.126	36.585	11.233	44.3
National Capital Territory of Delhi	11.849	10.603	22.453	5.665	33.7
Rajasthan	48.831	45.809	94.640	26.092	38.1
Uttar Pradesh	143.462	136.910	280.373	80.560	40.3
Bihar	77.872	72.306	150.178	46.078	44.3
Sikkim	0.388	0.349	0.737	0.127	20.7
Arunachal Pradesh	1.825	1.718	3.543	2.159	156.1
Nagaland	1.333	1.241	2.574	0.595	30.1
Manipur	2.067	2.068	4.135	1.279	44.8
Mizoram	0.669	0.676	1.345	0.248	22.6
Tripura	2.304	2.210	4.514	0.840	22.9
Meghalaya	2.143	2.180	4.323	1.356	45.7
Assam	19.634	19.151	38.785	7.579	24.3
West Bengal	58.455	55.814	114.269	22.993	25.2
Jharkhand	23.123	22.094	45.217	12.229	37.1
Odisha	26.202	25.741	51.942	9.968	23.7
Chhattisgarh	16.778	16.715	33.492	7.947	31.1
Madhya Pradesh	50.124	47.396	97.520	24.893	34.3
Gujarat	42.875	38.164	81.039	20.600	34.1
Daman and Diu	0.415	0.187	0.602	0.359	147.6
Dadra and Nagar Haveli	0.597	0.286	0.884	0.540	157.1
Maharashtra	77.684	72.676	150.360	37.986	33.8
Andhra Pradesh	53.758	53.574	107.332	22.751	26.9
Karnataka	40.524	39.600	80.124	19.029	31.1
Goa	0.887	0.874	1.761	0.303	20.7
Lakshadweep	0.040	0.038	0.078	0.014	21.5
Kerala	18.898	20.612	39.510	6.104	18.3
Tamil Nadu	44.423	47.155	91.578	19.431	26.9
Puducherry	0.894	1.084	1.977	0.729	58.4
Andaman and Nicobar Islands	0.257	0.225	0.482	0.101	26.7
India	828.043	791.476	1619.519	408.664	33.7

Source: Author

Adding the population at stabilisation in 640 districts of the country, the population of the country at stabilisation is estimated to be around 1620 million – around 828 million males and 792 million females (Table 2) or the population of the country is likely to increase by 409 million or by more than 37 per cent from the population enumerated at the 2011 population census before it stops increasing. This estimate of population at stabilisation in India is very close to the estimate of the size of the population of the country when it stops increasing according to the medium variant of the population projections prepared by the United Nations (2022) and projected by Kulkarni (2021). According to the most likely medium variant of the population projections prepared by the United Nations, the population of India is projected to peak to around 1697 million (United Nations, 2022). On the other hand, Kulkarni (2021) has projected that the population of the country will peak to around 1660 million. The closeness of the estimate of the population at stabilisation in India derived from the logistic growth modelling of district population growth during the period 1951-2011 provides credence to the estimate of population at stabilisation in different districts of the country. United Nations does not project population of the states/Union Territories or districts of the country. There is no other source which provides estimates of the population at stabilisation in the districts of the country.

The estimation of population at stabilisation in the districts also permit estimating population at stabilisation in the constituent states and Union Territories of the country which may have implications for development planning and programming. The population at stabilisation in Uttar Pradesh, the most populous state of the country, is estimated to be around 280 million whereas the population at stabilisation in Bihar will be around 150 million. On the other hand, population at stabilisation in Lakshadweep is estimated to be around 78 thousand. In Dadra and Nagar Haveli, Arunachal Pradesh and Daman and Diu, the population at stabilisation is expected to increase by around 150 per cent from the population enumerated at the 2011 population census. In 6 states/Union Territories of the country, the increase in the population before it stops increasing, is expected to be more than 40 per cent relative to the population of the state/Union Territory enumerated at the 2011 population census. It is also estimated that more than 40 per cent of the increase in population of the country before it stops increasing would be confined to only three states – Uttar Pradesh (20 per cent), Bihar (11 per cent), and Maharashtra (9 per cent). By comparison, the increase in population before it stops increasing in Kerala and Jammu and Kashmir is estimated to account for less than 1.5 per cent of the increase in the population of the country before it stops increasing. The differential contribution of the increase in the population of different states and Union Territories to the increase in the population of the country before the population stops increasing is expected as different states/Union Territories are at distinct stages of population transition.

The distribution of population at stabilisation of the country across states and Union Territories will be different from the distribution of population of the country across states and Union Territories at the 2011 population census. The share of the population at stabilisation of 19 states and Union Territories to the population at stabilisation of the country will be lower than the share of the population of these states and Union Territories to the population of the country enumerated at the 2011 population census. Uttar Pradesh, alone, will account for more than 17 per cent of the population at stabilisation of the country whereas Bihar will account for more than 9 per cent so that the two states will account for more than 26 per cent of the population at stabilisation of the country. The share of the population at stabilisation of the Empowered Action Group (EAG) States to the population at stabilisation of the country will be higher as compared to the share of the population of these states to the population of the country at the 2011 population census. On the other hand, the share of population at stabilisation of the four southern states – Andhra Pradesh, Karnataka, Kerala, and Tamil Nadu – to the population at stabilisation of the country will be lower than the share of the population of these states to the population of the country enumerated at the 2011 population census. West Bengal accounted for more than 7.5 per cent of the population of the country in 2011. The share of the state will decrease to around 7 per cent at stabilisation.

Density of Population at Stabilisation

The density of population at stabilisation will vary across districts. The Northeast district in the National Capital Territory of Delhi will be having the highest density of population at stabilisation – more than 46 thousand persons per square Kilometre compared to 36 thousand persons per square Kilometre in 2011. In 14 districts, including 7 districts of National Capital Territory of Delhi, density of population at stabilisation will be more than 10 thousand persons per square Kilometre. Other districts with exceptionally high population density at stabilisation are district Yanam in Puducherry; district Chandigarh in Chandigarh, district Hyderabad in Andhra Pradesh; districts Mumbai and Mumbai Suburban in Maharashtra; district Kolkata in West Bengal; and district Chennai in Tamil Nadu. The exceptionally high density of population at stabilisation in these districts will have implications for the demand of resources, development of necessary infrastructure and facilities, and the environment and will have an impact on the quality of life. On the other hand, the density of population at stabilisation will be less than 100 persons per square Kilometre in 47 districts of the country. The density of population at stabilisation will be the lowest, just around 1 person per square Kilometre in district Dibang Valley of Arunachal Pradesh.

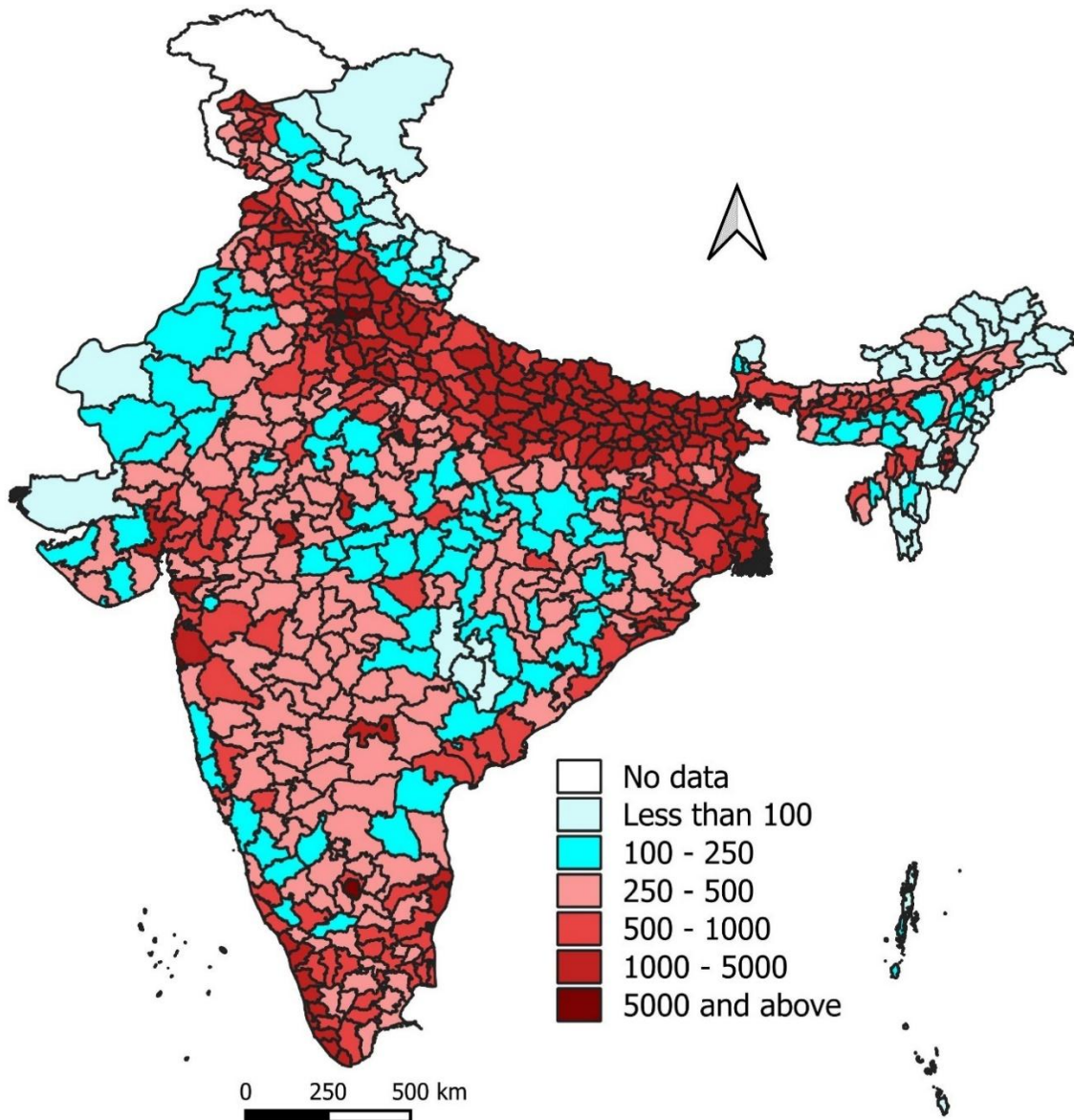


Figure 3: Inter-district variation in the density of population at stabilisation (number of persons per square Kilometer) in India.

Source: Author

Sex Ratio of Population at Stabilisation

There will be marked inter-district variation in the sex ratio of the population at stabilisation. In 118 districts, there will be very high male advantage in the sex composition of the population at stabilisation whereas in 18 districts, there will be very high female advantage. In majority of the districts, however, the sex ratio of population at stabilisation will vary within the normal range of 95-105 males for every 100 females so that the sex ratio of the population of the country at stabilisation will be around 105 males for every 100 females compared to 107 males for every 100 females according to the 2011 population census. The sex ratio of the population at stabilisation will also vary markedly across the states and Union Territories of the country. The Union Territories of Daman and Diu and Dadra and Nagar Haveli is likely to have sex ratio of the population at stabilisation very highly favourable to males whereas the Union Territory of Puducherry is likely to have sex ratio of population at stabilisation very highly favourable to females. The sex ratio of population at stabilisation will be favourable to females in the southern states and Union Territories but, in the northern states and Union Territories, it will remain favourable to males.

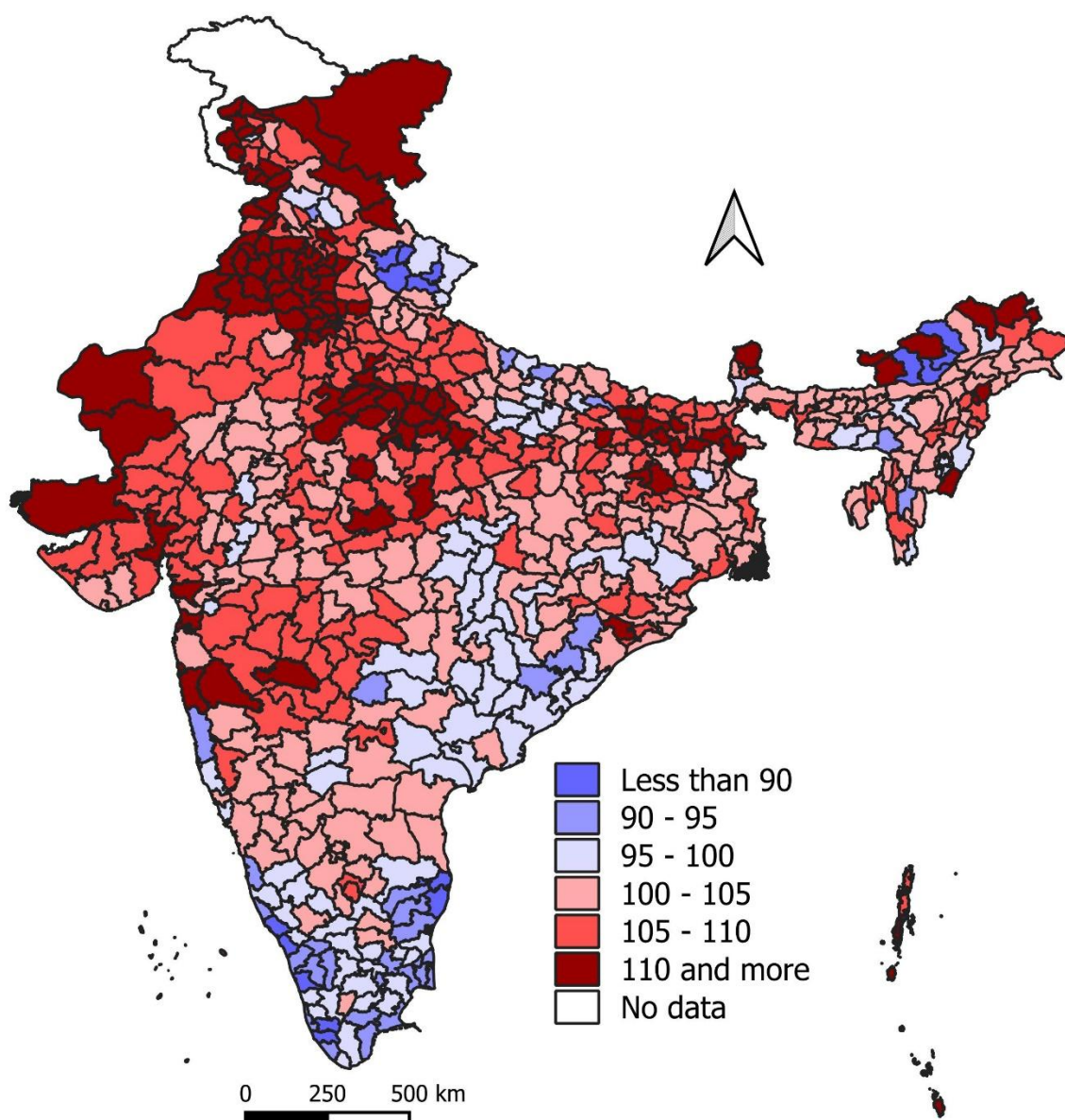


Figure 4: The inter-district variation in the density of population at stabilisation (number of persons per square Kilometre) in India.

Source: Author

It is also likely that the regional pattern in the sex ratio of the population even at stabilisation will remain quite marked. In 45 of the 63 districts of Jammu and Kashmir, Punjab and Haryana, the sex ratio of population at stabilisation is likely to remain highly favourable to males even at stabilisation whereas in 14 districts, it is likely to remain moderately favourable to males. There is no district in these three states where the population sex ratio will be either moderately or highly favourable to females even at stabilisation. All these states are located in the north-west corner of the country. On the other hand, in 13 states and Union Territories, there will be no district where the sex ratio of the population will be highly favourable to males when the the population stops increasing. The 18 districts where the sex ratio of the population is likely to remain highly favourable to females at stabilisation are in only 5 states and Union Territories – Arunachal Pradesh, Kerala, Puducherry, Tamil Nadu and Uttarakhand. Three of these states and Union Territories are in the southern part of the country. The sex ratio of the population at stabilisation will be either highly or moderately favourable to females in 10 of the 14 districts of Kerala and in 14 of the 32 districts of Tamil Nadu. On the other hand, there are 12 districts of Uttar Pradesh, 7 districts of Madhya Pradesh

and 6 districts of Rajasthan where the sex ratio of the population at stabilisation is likely to remain highly favourable to males. These districts constitute a geographic continuity. There are 9 districts in Bihar which also constitute a geographical continuity and where population sex ratio at stabilisation is likely to remain highly favourable to males.

Table 3: Population sex ratio (males per 100 females) when population stops growing in India, states/Union Territories and districts.

Country/State/Union Territory	Sex ratio M/F	Female advantage			Male advantage			Total
		High	Moderate	Average	Average	Moderate	High	
Andaman & Nicobar Islands	114	0	0	0	0	1	2	3
Andhra Pradesh	100	0	1	11	9	2	0	23
Arunachal Pradesh	106	4	0	1	4	2	5	16
Assam	103	0	0	2	23	2	0	27
Bihar	108	0	1	0	10	18	9	38
Chandigarh	121	0	0	0	0	0	1	1
Chhattisgarh	100	0	0	9	8	1	0	18
Dadra & Nagar Haveli	209	0	0	0	0	0	1	1
Daman & Diu	222	0	0	1	0	0	1	2
Delhi	112	0	0	0	0	2	7	9
Goa	102	0	0	1	1	0	0	2
Gujarat	112	0	0	1	7	14	4	26
Haryana	114	0	0	0	0	4	17	21
Himachal Pradesh	103	0	1	2	3	3	3	12
Jammu & Kashmir	114	0	0	1	1	6	14	22
Jharkhand	105	0	0	3	12	7	2	24
Karnataka	102	0	1	8	18	3	0	30
Kerala	92	5	5	4	0	0	0	14
Lakshadweep	106	0	0	0	0	1	0	1
Madhya Pradesh	106	0	0	6	18	19	7	50
Maharashtra	107	0	1	1	11	17	5	35
Manipur	100	0	0	5	3	0	1	9
Meghalaya	98	0	1	2	3	1	0	7
Mizoram	99	0	1	1	4	2	0	8
Nagaland	107	0	0	0	3	6	2	11
Odisha	102	0	3	6	15	5	1	30
Puducherry	82	2	2	0	0	0	0	4
Punjab	112	0	0	0	2	4	14	20
Rajasthan	107	0	0	1	10	16	6	33
Sikkim	111	0	0	0	1	1	2	4
Tamil Nadu	94	2	12	15	3	0	0	32
Tripura	104	0	0	0	3	1	0	4
Uttar Pradesh	105	0	2	9	19	29	12	71
Uttarakhand	100	5	0	3	5	0	0	13
West Bengal	105	0	0	1	12	4	2	19
India	105	18	31	94	208	171	118	640

Source: Author

Conclusions

This chapter estimates population at stabilisation or the size of the population when it stops increasing in 640 districts of India following a population growth modelling approach. There has never been any attempt in India to estimate the size of the population at stabilisation in the districts. Although, population stabilisation has been and remains one of the key agenda in the development discourse of India right since independence, this chapter provides, for the first time, an estimate of population at stabilisation in 640 districts of the country as they existed at the time of 2011 population census. The relevance of estimating district population at stabilisation lies in the fact that a district in India is the lowest administrative unit for development planning and programming for

both improving the quality of life of the people and for controlling population growth. In view of the social, cultural, economic, and environmental diversity of the country India, there has always been emphasis on the decentralised district-based development planning and programming in the country. Estimating the likely population at stabilisation of a district, therefore, is expected to contribute, significantly, to estimating the long-term development and welfare needs of the people of the district and to analysing the long-term impact of population growth on development and environment at the local level.

The present chapter suggests that the long-term implications of population growth in the long run to social and economic development and the environment will be different in different districts of the country. For example, the population density, the single most important indicator of the pressure of the population on the environment at the local level, is likely to increase to more than 46 thousand persons per square Kilometre in district North East in the National Capital Territory of Delhi, which will be the highest in the country. Similarly, the male-female imbalance in the population, even in the long run, is likely to remain highly favourable to males in some geographically contiguous districts of the country despite all efforts of social and economic development including efforts to reduce and eliminate male-female inequality. At the national level, however, the male-female imbalance is likely to normalise to around 105 males for every 100 females when population stops increasing.

Estimating the limit to district population growth or population of the district at stabilisation is a necessary input for estimating long-term development and welfare needs of the people of the district including the long-term demand for water, energy, and housing, and for assessing the long-term impact of population growth on natural resources at the local level.

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Appendix Table: Size of the population at stabilisation, increase in population before population stops increasing, population sex ratio (males for every 100 females), and population density (persons per square Kilometre) in 640 districts of India as they existed at the 2011 population census.

Country/State/Union Territory/District	Population at stabilisation			Increase in population between population enumerated at 2011 population census and population at stabilisation		Population sex ratio at stabilisation	Population density at stabilisation	Year when 99 per cent of the upper limit of population growth will be achieved
	Male	Female	Person	Number	%			
Jammu and Kashmir								
Kupwara	859134	609029	1468163	597809	68.7	141	617	2065
Badgam	580564	513833	1094397	340652	45.2	113	804	2060
Leh (Ladakh)	112510	66638	179148	45661	34.2	169	4	2042
Kargil	104709	83238	187947	47145	33.5	126	13	2049
Punch	399732	351634	751365	274531	57.6	114	449	2063
Rajouri	539482	446377	985858	343444	53.5	121	375	2063
Kathua	430602	380775	811377	194942	31.6	113	324	2055
Baramula	761184	670715	1431899	423860	42.0	113	337	2056
Bandipore	313137	279732	592868	200637	51.2	112	1718	2057
Srinagar	913741	838100	1751841	515012	41.6	109	885	2057
Ganderbal	268270	221351	489621	192175	64.6	121	1890	2061
Pulwama	417697	374893	792590	232150	41.4	111	730	2060
Shupiyan	196568	197797	394365	128150	48.1	99	1264	2060
Anantnag	941657	934590	1876247	797555	73.9	101	525	2069
Kulgam	273929	260366	534295	109812	25.9	105	1303	2037
Doda	307649	287659	595307	185372	45.2	107	67	2060
Ramban	218829	204727	423556	139843	49.3	107	319	2062
Kishtwar	164555	153412	317966	87271	37.8	107	193	2054
Udhampur	417983	355611	773593	218609	39.4	118	293	2057
Reasi	224534	206738	431272	116605	37.1	109	251	2055
Jammu	1063564	942134	2005698	475740	31.1	113	856	2050
Samba	220686	188356	409043	90144	28.3	117	452	2049
Himachal Pradesh								
Chamba	329044	326874	655918	136838	26.4	101	101	2051
Kangra	921137	929142	1850278	340204	22.5	99	322	2047
Lahul & Spiti	20036	16939	36975	5411	17.1	118	3	1998
Kullu	303801	290443	594244	156341	35.7	105	108	2055
Mandi	599100	606200	1205300	205523	20.6	99	305	2044
Hamirpur	266113	281357	547470	92702	20.4	95	490	2044

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	Male	Female	Person	Number	%			
Una	344524	324759	669283	148110	28.4	106	435	2053
Bilaspur	235044	229266	464311	82354	21.6	103	398	2045
Solan	414974	364031	779006	198685	34.2	114	402	2055
Sirmaur	354393	328856	683250	153394	29.0	108	242	2051
Shimla	528807	488257	1017064	203054	24.9	108	198	2047
Kinnaur	54896	44925	99821	15700	18.7	122	16	2038
Punjab								
Gurdaspur	1502890	1324357	2827247	528924	23.0	113	796	2046
Kapurthala	524912	469450	994362	179194	22.0	112	609	2041
Jalandhar	1440515	1319289	2759804	566214	25.8	109	1052	2048
Hoshiarpur	985272	957724	1942996	356371	22.5	103	574	2044
Shahid	364936	357964	722900	110590	18.1	102	564	2035
Fatehgarh Sahib	393579	342210	735788	135626	22.6	115	624	2045
Ludhiana	2444799	2108272	4553071	1054332	30.1	116	1273	2051
Moga	648960	572119	1221079	225333	22.6	113	545	2046
Firozpur	1393479	1210192	2603671	574597	28.3	115	491	2052
Muktsar	594395	532690	1127085	225189	25.0	112	435	2049
Faridkot	410371	362515	772886	155378	25.2	113	530	2046
Bathinda	933561	807908	1741468	352944	25.4	116	519	2047
Mansa	498046	445648	943693	173943	22.6	112	429	2046
Patiala	1251817	1109732	2361550	465863	24.6	113	710	2049
Amritsar	1766360	1581127	3347486	856831	34.4	112	1248	2055
Tarn Taran	744190	692806	1436996	317369	28.3	107	595	2053
Rupnagar	448298	408523	856821	172194	25.2	110	632	2048
Sahibzada Ajit Singh Nagar	808574	756708	1565282	570654	57.4	107	1431	2064
Sangrur	1096746	969489	2066235	411066	24.8	113	570	2049
Barnala	390014	348417	738431	142904	24.0	112	498	2049
Chandigarh								
Chandigarh	768308	637311	1405619	350169	33.2	121	12330	2048
Uttarakhand								
Uttarkashi	214771	207067	421838	91752	27.8	104	53	2052
Chamoli	231527	242276	473803	82198	21.0	96	59	2038

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	Male	Female	Person	Number	%			
Rudraprayag	135240	158346	293586	51301	21.2	85	148	2037
Tehri Garhwal	348119	391136	739255	120324	19.4	89	203	2032
Dehradun	1252602	1209603	2462205	765511	45.1	104	797	2060
Garhwal	376256	419796	796052	108781	15.8	90	149	2015
Pithoragarh	285209	290472	575681	92242	19.1	98	81	2040
Bageshwar	144678	161415	306092	46195	17.8	90	137	2037
Almora	335239	386933	722172	99666	16.0	87	230	2011
Champawat	157904	160561	318465	58817	22.7	98	180	2047
Nainital	685665	672433	1358098	403493	42.3	102	319	2058
Udham Singh Nagar	1183555	1134369	2317924	669022	40.6	104	912	2057
Hardwar	1410455	1345188	2755642	865221	45.8	105	1168	2060
Haryana								
Panchkula	396658	364687	761345	200052	35.6	109	848	2042
Ambala	790923	674770	1465693	337343	29.9	117	931	2051
Yamunanagar	854805	749908	1604713	390508	32.2	114	908	2053
Kurukshetra	637022	561872	1198894	234239	24.3	113	784	2049
Kaithal	705899	621990	1327889	253585	23.6	113	573	2045
Karnal	1018753	916588	1935341	430017	28.6	111	768	2051
Panipat	963360	844135	1807496	602058	49.9	114	1425	2062
Sonipat	983514	848268	1831782	381781	26.3	116	863	2051
Jind	887633	768998	1656631	322479	24.2	115	613	2046
Fatehabad	606560	547992	1154552	212541	22.6	111	455	2047
Sirsa	851317	766688	1618005	322816	24.9	111	378	2047
Hisar	1195356	1047950	2243306	499375	28.6	114	563	2049
Bhiwani	1100483	977272	2077754	443310	27.1	113	435	2049
Rohtak	709440	604554	1313994	252790	23.8	117	753	2046
Jhajjar	654391	552294	1206684	248280	25.9	118	658	2046
Mahendragarh	625397	551240	1176637	254549	27.6	113	620	2050
Rewari	643642	553667	1197309	296977	33.0	116	751	2055
Gurgaon	2525855	2084697	4610552	3096120	204.4	121	3665	2082
Mewat	1016510	958285	1974795	885532	81.3	106	1310	2069
Faridabad	1508240	1406269	2914509	1104776	61.0	107	3933	2058

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	Male	Female	Person	Number	%			
Palwal	782277	724375	1506652	463944	44.5	108	1109	2059
National Capital Territory of Delhi								
Northwest	2650493	2319161	4969655	1313115	35.9	114	11218	2044
North	635488	585721	1221209	333231	37.5	108	20020	2058
Northeast	1506872	1363826	2870697	629074	28.1	110	46302	2033
East	1159190	1055341	2214530	505185	29.6	110	35151	2039
New Delhi	77942	64062	142004	0	0.0	122	4057	1973
Central	307821	274499	582320	0	0.0	112	27730	1975
West	1750089	1589985	3340074	796831	31.3	110	25693	2043
Southwest	1821620	1610210	3431829	1138872	49.7	113	8152	2050
South	1939853	1740595	3680448	948519	34.7	111	14901	2045
Rajasthan								
Ganganagar	1343803	1204369	2548172	579004	29.4	112	232	2048
Hanumangarh	1178508	1067152	2245659	470968	26.5	110	233	2044
Bikaner	1830951	1682206	3513157	1149220	48.6	109	116	2059
Churu	1398839	1304866	2703705	664158	32.6	107	195	2053
Jhunjhunun	1386508	1337670	2724177	587133	27.5	104	460	2049
Alwar	2737089	2488511	5225600	1551421	42.2	110	624	2058
Bharatpur	1804145	1642195	3446340	897878	35.2	110	680	2055
Dhaulpur	913867	808838	1722704	516189	42.8	113	568	2059
Karauli	1098876	967384	2066260	608012	41.7	114	374	2055
Sawai Madhopur	938911	865263	1804174	468623	35.1	109	401	2055
Dausa	1243010	1148008	2391017	756609	46.3	108	697	2060
Jaipur	5054221	4662430	9716650	3090473	46.6	108	872	2059
Sikar	1843449	1747178	3590627	913294	34.1	106	464	2052
Nagaur	2311265	2172185	4483451	1175707	35.5	106	253	2056
Jodhpur	2717089	2563481	5280570	1593405	43.2	106	231	2059
Jaisalmer	596212	540498	1136711	466791	69.7	110	30	2064
Barmer	2127643	1913917	4041559	1437809	55.2	111	142	2062
Jalor	1316145	1250865	2567011	738280	40.4	105	241	2056
Sirohi	750085	709452	1459536	423191	40.8	106	284	2057
Pali	1280371	1266019	2546390	508817	25.0	101	206	2048

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Ajmer	1776459	1718656	3495115	912063	35.3	103	412	2055
Tonk	954221	928908	1883129	461803	32.5	103	262	2053
Bundi	741137	707697	1448834	337928	30.4	105	251	2052
Bhilwara	1633162	1624762	3257924	849401	35.3	101	312	2057
Rajsamand	747634	736383	1484017	327420	28.3	102	319	2053
Dungarpur	954833	945488	1900321	511769	36.9	101	504	2052
Banswara	1265933	1198470	2464403	666918	37.1	106	545	2056
Chittaurgarh	990993	975316	1966309	421971	27.3	102	251	2050
Kota	1380409	1302384	2682793	731779	37.5	106	514	2053
Baran	834289	806683	1640972	418217	34.2	103	235	2054
Jhalawar	944906	894571	1839477	428348	30.4	106	296	2055
Udaipur	2152911	2038209	4191120	1122700	36.6	106	357	2055
Pratapgarh	583536	588723	1172260	304411	35.1	99	263	2053
Uttar Pradesh								
Saharanpur	2435651	2254966	4690618	1224235	35.3	108	1272	2057
Muzaffarnagar	2842312	2640729	5483041	1339529	32.3	108	1368	2054
Bijnor	2548829	2452262	5001091	1318378	35.8	104	1096	2055
Moradabad	3531307	3387262	6918570	2146563	45.0	104	1861	2057
Rampur	1646178	1571678	3217856	882037	37.8	105	1359	2055
Jyotiba Phule Nagar	1347817	1298917	2646734	806513	43.8	104	1177	2059
Meerut	2365828	2148393	4514221	1070532	31.1	110	1764	2054
Baghpat	855265	755905	1611170	308122	23.6	113	1220	2048
Ghaziabad	4553170	4297424	8850594	4168949	89.0	106	7507	2068
Gautam Buddha Nagar	1932030	1764401	3696432	2048316	124.3	110	2883	2074
Bulandshahr	2309231	2145267	4454498	955327	27.3	108	987	2050
Aligarh	2678131	2477201	5155332	1481443	40.3	108	1412	2058
Mahamaya Nagar	1056620	955691	2012311	447603	28.6	111	1094	2054
Mathura	1868069	1732675	3600744	1053560	41.4	108	1078	2059
Agra	3295454	2990596	6286050	1867253	42.3	110	1556	2057
Firozabad	1838614	1674378	3512992	1014836	40.6	110	1459	2058
Mainpuri	1276831	1168886	2445717	577188	30.9	109	886	2055
Budaun	2673189	2533114	5206303	1524407	41.4	106	1007	2060

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Bareilly	3233161	3122360	6355521	1907162	42.9	104	1543	2059
Pilibhit	1443465	1331269	2774734	743727	36.6	108	753	2055
Shahjahanpur	2240980	2079629	4320608	1314071	43.7	108	985	2058
Kheri	3125777	2913933	6039710	2018467	50.2	107	786	2061
Sitapur	3347562	3079229	6426791	1942799	43.3	109	1119	2057
Hardoi	2922864	2709142	5632006	1539161	37.6	108	941	2053
Unnao	2088056	1930086	4018142	909775	29.3	108	882	2053
Lucknow	3488710	3432753	6921462	2331625	50.8	102	2738	2060
Rae Bareli	2399599	2295145	4694744	1289185	37.9	105	1019	2057
Farrukhabad	1316673	1229687	2546360	661156	35.1	107	1168	2058
Kannauj	1135370	1038007	2173377	516761	31.2	109	1038	2055
Etawah	1056715	946248	2002964	421153	26.6	112	867	2052
Auraiya	916240	815437	1731677	352132	25.5	112	859	2051
Kanpur Dehat	1207782	1058249	2266031	469847	26.2	114	750	2047
Kanpur Nagar	3150866	2748143	5899009	1317741	28.8	115	1870	2049
Jalaun	1152553	1034484	2187037	497063	29.4	111	479	2050
Jhansi	1350534	1219668	2570201	571599	28.6	111	512	2051
Lalitpur	908063	891694	1799757	578165	47.3	102	357	2059
Hamirpur	734095	636385	1370480	266195	24.1	115	341	2047
Mahoba	586735	543358	1130093	254135	29.0	108	359	2053
Banda	1229506	1097980	2327487	528076	29.3	112	528	2053
Chitrakoot	723275	664991	1388265	396536	40.0	109	432	2059
Fatehpur	1751729	1624684	3376413	743680	28.2	108	813	2050
Pratapgarh	2166762	2193273	4360035	1150894	35.9	99	1173	2057
Kaushambi	1178613	1086860	2265474	665877	41.6	108	1273	2060
Allahabad	4252703	4012788	8265491	2311100	38.8	106	1508	2057
Bara Banki	2378074	2276574	4654648	1393949	42.8	104	1057	2059
Faizabad	1680186	1649244	3329429	858434	34.7	102	1422	2057
Ambedkar Nagar	1613692	1654812	3268504	870616	36.3	98	1391	2057
Sultanpur	2569821	2687663	5257484	1460367	38.5	96	1185	2057
Bahraich	2759284	2640996	5400280	1912549	54.8	104	1031	2064
Shrawasti	905073	954858	1859931	742570	66.5	95	1134	2067

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Balrampur	1611025	1673016	3284041	1135376	52.8	96	981	2062
Gonda	2592009	2561173	5153182	1719263	50.1	101	1287	2064
Siddharthnagar	1928090	2093120	4021210	1461913	57.1	92	1389	2066
Basti	1652322	1705300	3357621	893158	36.2	97	1249	2058
Sant Kabir Nagar	1197513	1184567	2382080	666897	38.9	101	1447	2061
Mahrajanj	1982440	1967165	3949605	1264902	47.1	101	1338	2061
Gorakhpur	3040153	2960854	6001006	1560112	35.1	103	1807	2055
Kushinagar	2645630	2569531	5215162	1650617	46.3	103	1795	2060
Deoria	2055625	2093401	4149026	1048080	33.8	98	1633	2055
Azamgarh	3142181	3218982	6361163	1747250	37.9	98	1569	2055
Mau	1571414	1526750	3098164	892196	40.4	103	1809	2059
Ballia	2220123	2093786	4313909	1074135	33.2	106	1447	2054
Jaunpur	2907819	3043075	5950894	1456690	32.4	96	1474	2053
Ghazipur	2461216	2433464	4894679	1274412	35.2	101	1449	2057
Chandauli	1407478	1319412	2726890	774134	39.6	107	1073	2056
Varanasi	2563688	2433863	4997551	1320710	35.9	105	3256	2055
Sant Ravidas Nagar	1008421	1055343	2063763	485551	30.8	96	2033	2045
Mirzapur	1798661	1697855	3496517	999546	40.0	106	794	2056
Sonbhadra	1379150	1351745	2730896	868336	46.6	102	395	2059
Etah	1236136	1143058	2379194	604714	34.1	108	979	2055
Kanshiram Nagar	991906	935641	1927548	490828	34.2	106	986	2056
Bihar								
Pashchim Champaran	2962085	2834752	5796837	1861795	47.3	104	1109	2062
Purba Champaran	4105963	3777492	7883455	2784084	54.6	109	1987	2065
Sheohar	563331	544501	1107832	451586	68.8	103	3174	2064
Sitamarhi	2753091	2629493	5382584	1959010	57.2	105	2346	2065
Madhubani	3353582	3156742	6510325	2022945	45.1	106	1860	2060
Supaul	1560377	1466452	3026829	797753	35.8	106	1248	2056
Araria	2081704	1909030	3990734	1179165	41.9	109	1410	2060
Kishanganj	1220887	1172669	2393556	703156	41.6	104	1270	2057
Purnia	2385431	2265028	4650460	1385840	42.5	105	1440	2061
Katihar	2330898	2097450	4428348	1357319	44.2	111	1449	2061

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Madhepura	1548437	1421413	2969851	968088	48.4	109	1661	2064
Saharsa	1487957	1344752	2832709	932048	49.0	111	1679	2062
Darbhanga	2939938	2709208	5649146	1711761	43.5	109	2479	2058
Muzaffarpur	3785795	3279767	7065562	2264500	47.2	115	2227	2062
Gopalganj	1715227	1855499	3570727	1008714	39.4	92	1756	2058
Siwan	2400229	2271734	4671962	1341499	40.3	106	2105	2061
Saran	2804493	2715234	5519727	1567865	39.7	103	2090	2058
Vaishali	2801718	2391840	5193558	1698537	48.6	117	2551	2062
Samastipur	3183004	2875654	6058658	1797092	42.2	111	2086	2061
Begusarai	2275842	2064947	4340789	1370248	46.1	110	2263	2058
Khagaria	1323743	1210283	2534026	867140	52.0	109	1705	2063
Bhagalpur	2229602	1983849	4213451	1175685	38.7	112	1640	2057
Banka	1516891	1395334	2912225	877462	43.1	109	964	2058
Munger	941360	846872	1788231	420467	30.7	111	1260	2054
Lakhisarai	717469	658630	1376099	375187	37.5	109	1121	2059
Sheikhpura	448621	430719	879340	242998	38.2	104	1276	2058
Nalanda	1960979	1804179	3765158	887505	30.8	109	1599	2055
Patna	4330172	4021128	8351300	2512835	43.0	108	2608	2059
Bhojpur	1986559	1768300	3754859	1026452	37.6	112	1568	2059
Buxar	1211978	1175330	2387309	680956	39.9	103	1402	2060
Kaimur (Bhabua)	1253091	1212722	2465813	839429	51.6	103	740	2063
Rohtas	2073819	1950756	4024575	1064657	36.0	106	1037	2057
Aurangabad	1972433	1844488	3816921	1276848	50.3	107	1155	2061
Gaya	3249909	3141088	6390997	1999579	45.5	103	1284	2062
Nawada	1697677	1553363	3251040	1031894	46.5	109	1304	2060
Jamui	1345012	1288597	2633608	873204	49.6	104	850	2057
Jehanabad	849103	774269	1623372	498059	44.3	110	1744	2060
Arwal	503187	462732	965919	265076	37.8	109	1514	2058
Sikkim								
North District	29006	21760	50765	7057	16.1	133	12	2022
West District	82923	79651	162574	26139	19.2	104	139	2029
South District	92301	85389	177689	30840	21.0	108	237	2030

Country/State/Union Territory/District	Population at stabilisation			Increase in population between population enumerated at 2011 population census and population at stabilisation		Population sex ratio at stabilisation	Population density at stabilisation	Year when 99 per cent of the upper limit of population growth will be achieved
	Male	Female	Person	Number	%			
East District	184169	161925	346094	62511	22.0	114	363	2033
Arunachal Pradesh								
Tawang	45956	28806	74762	24785	49.6	160	34	2051
West Kameng	55515	47546	103062	19114	22.8	117	14	2035
East Kameng	48044	57718	105762	27072	34.4	83	26	2047
Papum Pare	134766	152822	287588	111015	62.9	88	83	2054
Upper Subansiri	54407	65270	119678	36229	43.4	83	17	2051
West Siang	68414	65715	134129	21855	19.5	104	16	2032
East Siang	58597	60152	118749	19535	19.7	97	33	2033
Upper Siang	21824	18929	40753	5433	15.4	115	6	2030
Changlang	95450	91278	186728	38502	26.0	105	40	2040
Tirap	69161	66530	135691	23716	21.2	104	57	2036
Lower Subansiri	63316	74576	137892	54862	66.1	85	39	2059
Kurung Kumey	962393	850217	1812611	1720534	1868.6	113	300	2096
Dibang Valley	4938	3836	8774	770	9.6	129	1	2001
Lower Dibang Valley	33470	31519	64989	10909	20.2	106	17	2027
Lohit	95571	91275	186845	41120	28.2	105	36	2040
Anjaw	12931	12240	25171	4004	18.9	106	4	2038
Nagaland								
Mon	159995	142224	302219	51959	20.8	112	169	2015
Mokokchung	128899	117273	246172	51550	26.5	110	152	2014
Zunheboto	89092	85808	174901	34143	24.3	104	139	2021
Wokha	102946	100855	203801	37458	22.5	102	125	2021
Dimapur	270434	254093	524527	145716	38.5	106	566	2043
Phek	103024	99507	202531	39113	23.9	104	100	2031
Tuensang	127712	117935	245646	49051	25.0	108	97	2027
Longleng	50931	45522	96453	45969	91.1	112	172	2001
Kiphire	53334	49171	102505	28501	38.5	108	91	2002
Kohima	187068	172841	359909	91921	34.3	108	246	2043
Peren	59626	55326	114953	19733	20.7	108	70	2020
Manipur								
Senapati	518352	512006	1030358	551210	115.0	101	315	2073

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Tamenglong	104821	102470	207291	66640	47.4	102	47	2060
Churachandpur	181720	180763	362483	88340	32.2	101	79	2051
Bishnupur	144788	145936	290724	53325	22.5	99	586	2044
Thoubal	265379	271435	536814	114646	27.2	98	1044	2048
Imphal West	312792	326401	639193	121201	23.4	96	1232	2048
Imphal East	280700	287260	567960	111847	24.5	98	801	2045
Ukhrul	137365	142556	279921	95923	52.1	96	62	2060
Chandel	120737	99200	219937	75755	52.5	122	66	2057
Mizoram								
Mamit	46866	44159	91025	4661	5.4	106	30	2020
Kolasib	54460	54347	108807	24852	29.6	100	79	2038
Aizawl	239535	255217	494752	94443	23.6	94	138	2032
Champhai	77533	77345	154878	29133	23.2	100	49	2034
Serchhip	40284	39731	80015	15078	23.2	101	56	2038
Lunglei	97865	93180	191045	29617	18.3	105	42	2029
Lawngtlai	77748	77117	154865	36971	31.4	101	61	2039
Saiha	34724	35041	69765	13191	23.3	99	50	2032
Tripura								
West Tripura	1091409	1040527	2131937	406197	23.5	105	712	2044
South Tripura	533907	515578	1049485	173484	19.8	104	343	2038
Dhalai	233664	220485	454148	75919	20.1	106	189	2039
North Tripura	445261	433195	878456	184509	26.6	103	431	2049
Meghalaya								
West Garo Hills	466607	465879	932486	289195	45.0	100	254	2060
East Garo Hills	234008	229706	463715	145797	45.9	102	178	2060
South Garo Hills	105928	97009	202937	60603	42.6	109	108	2059
West Khasi Hills	285823	290492	576314	192854	50.3	98	110	2061
Ribhoi	207756	206213	413969	155129	59.9	101	169	2064
East Khasi Hills	546098	574576	1120674	294752	35.7	95	408	2050
Jaintia Hills	297111	316150	613261	218137	55.2	94	161	2062
Assam								
Kokrajhar	537668	517962	1055631	168488	19.0	104	320	2030

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Dhubri	1315926	1251238	2567164	617906	31.7	105	1180	2054
Goalpara	642304	628266	1270570	262387	26.0	102	697	2052
Barpeta	1072084	1026064	2098148	404526	23.9	104	919	2050
Morigaon	612455	602705	1215160	257737	26.9	102	783	2048
Nagaon	1753203	1768033	3521235	697468	24.7	99	886	2051
Sonitpur	1200976	1175737	2376713	452603	23.5	102	457	2048
Lakhimpur	632806	630267	1263073	220936	21.2	100	555	2044
Dhemaji	430512	410394	840906	154773	22.6	105	260	2046
Tinsukia	811572	805088	1616659	288731	21.7	101	427	2045
Dibrugarh	796039	782499	1578538	252203	19.0	102	467	2042
Sivasagar	711908	685973	1397882	246831	21.4	104	524	2045
Jorhat	655970	643245	1299215	206959	18.9	102	456	2039
Golaghat	662206	645657	1307862	240975	22.6	103	373	2041
Karbi Anglong	597405	580316	1177721	221408	23.2	103	113	2043
Dima Hasao	140916	137006	277923	63820	29.8	103	57	2046
Cachar	1128603	1097141	2225744	489127	28.2	103	588	2044
Karimganj	815867	779855	1595721	367036	29.9	105	882	2055
Hailakandi	433613	409390	843004	183707	27.9	106	635	2052
Bongaigaon	474091	461590	935681	196877	26.6	103	856	2051
Chirang	280999	271899	552898	70736	14.7	103	288	2024
Kamrup	952164	915825	1867989	350447	23.1	104	602	2048
Kamrup Metropolitan	847691	865570	1713261	459323	36.6	98	1794	2052
Nalbari	461800	440852	902652	131013	17.0	105	858	2039
Baksa	564428	556919	1121347	171272	18.0	101	456	2036
Darrang	606651	581021	1187672	259172	27.9	104	749	2050
Udalguri	494267	480106	974373	142705	17.2	103	484	2035
West Bengal								
Darjiling	1193605	1199668	2393273	546450	29.6	99	760	2049
Palpaiguri	2487462	2371528	4858990	986144	25.5	105	780	2047
Koch Bihar	1726843	1624997	3351839	532754	18.9	106	990	2041
Uttar Dinajpur	2097901	1993798	4091699	1084565	36.1	105	1303	2053
Dakshin Dinajpur	1078299	1032737	2111036	434760	25.9	104	951	2047

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Maldah	2738721	2480340	5219061	1230216	30.8	110	1398	2055
Murshidabad	4777652	4669121	9446772	2342966	33.0	102	1774	2054
Birbhum	2217164	2114805	4331969	829565	23.7	105	953	2050
Bardhaman	4750607	4583952	9334559	1616996	21.0	104	1329	2044
Nadia	3324881	3140636	6465516	1297917	25.1	106	1646	2046
North Twenty	6472632	6230562	12703194	2693413	26.9	104	3103	2048
Hugli	3388941	3270991	6659932	1140787	20.7	104	2115	2042
Bankura	2208702	2121998	4330700	734026	20.4	104	629	2043
Puruliya	1864917	1789623	3654540	724425	24.7	104	584	2047
Haora	3103017	2961723	6064740	1214711	25.0	105	4134	2049
Kolkata	2766913	2472377	5239290	742596	16.5	112	28320	2019
South 24 Parganas	5391092	5187025	10578117	2416156	29.6	104	1062	2051
Paschim Medinipur	3651910	3521951	7173861	1260404	21.3	104	766	2045
Purba Medinipur	3213971	3045983	6259954	1164079	22.8	106	1328	2048
Jharkhand								
Garhwa	979567	936970	1916538	593753	44.9	105	468	2059
Chatra	782282	758378	1540660	497774	47.7	103	414	2059
Kodarma	582545	524504	1107049	390790	54.6	111	436	2063
Giridih	1904919	1649174	3554093	1108619	45.3	116	716	2056
Deoghar	1152013	1067513	2219526	727453	48.8	108	896	2059
Godda	949288	905770	1855058	541507	41.2	105	819	2058
Sahibganj	812126	784016	1596142	445575	38.7	104	774	2060
Pakur	654348	652501	1306849	406427	45.1	100	722	2061
Dhanbad	1752031	1666642	3418673	734186	27.3	105	1676	2048
Bokaro	1371005	1305389	2676393	614064	29.8	105	928	2049
Lohardaga	358905	349694	708599	246809	53.4	103	472	2064
Purbi Singhbhum	1461546	1424539	2886086	592166	25.8	103	810	2049
Palamu	1435771	1342761	2778532	838663	43.2	107	632	2061
Latehar	531390	512207	1043597	316619	43.6	104	243	2059
Hazaribagh	1224900	1147724	2372624	638129	36.8	107	667	2058
Ramgarh	604570	588287	1192857	243414	25.6	103	890	2044
Dumka	868898	884980	1753878	432436	32.7	98	466	2055

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Jamtara	565962	538143	1104106	313063	39.6	105	610	2059
Ranchi	2018577	1938454	3957031	1042778	35.8	104	776	2058
Khunti	351397	351006	702404	170518	32.1	100	277	2060
Gumla	702640	661361	1364001	338788	33.0	106	254	2053
Simdega	372106	365690	737796	138218	23.1	102	195	2051
Pashchimi Singhbhum	955574	997864	1953438	451100	30.0	96	270	2054
Saraikela-Kharsawan	730348	740763	1471111	406055	38.1	99	554	2059
Odisha								
Bargarh	897590	883777	1781366	300112	20.3	102	305	2041
Jharsuguda	368583	359268	727851	148346	25.6	103	344	2044
Sambalpur	637168	628962	1266130	225031	21.6	101	191	2046
Debagarh	190540	189227	379767	67247	21.5	101	129	2045
Sundargarh	1245643	1255918	2501561	408124	19.5	99	258	2043
Kendujhar	1108690	1096223	2204913	403180	22.4	101	266	2048
Mayurbhanj	1587549	1601299	3188848	669110	26.6	99	306	2049
Baleshwar	1492588	1398877	2891466	570936	24.6	107	760	2047
Bhadrak	953064	937231	1890294	383958	25.5	102	755	2047
Kendrapara	852456	849692	1702148	261787	18.2	100	644	2042
Jagatsinghapur	693596	665855	1359452	222480	19.6	104	815	2042
Cuttack	1612036	1543207	3155243	530773	20.2	104	802	2046
Jajapur	1149767	1115222	2264990	437797	24.0	103	781	2047
Dhenkanal	735098	697965	1433063	240252	20.1	105	322	2040
Anugul	820532	776504	1597036	323215	25.4	106	251	2046
Nayagarh	596862	538380	1135242	172453	17.9	111	292	2040
Khordha	1558470	1425461	2983930	732258	32.5	109	1061	2055
Puri	1063074	1020402	2083476	384746	22.6	104	599	2045
Ganjam	2216781	2171446	4388227	859196	24.3	102	535	2050
Gajapati	340415	357322	697737	119920	20.8	95	161	2044
Kandhamal	453762	487909	941671	208561	28.4	93	117	2050
Baudh	286947	283495	570442	129280	29.3	101	184	2051
Subarnapur	388034	369350	757384	147201	24.1	105	324	2048
Balangir	1000284	994263	1994547	345550	21.0	101	303	2052

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Nuapada	363871	368376	732247	121865	20.0	99	190	2046
Kalahandi	1015280	1013151	2028432	451562	28.6	100	256	2053
Rayagada	575941	617484	1193426	225514	23.3	93	169	2047
Nabarangapur	774056	803932	1577988	357042	29.2	96	298	2052
Koraput	858497	907531	1766027	386381	28.0	95	201	2052
Malkangiri	364372	383033	747404	134213	21.9	95	129	2045
Chhattisgarh								
Koriya	414355	407708	822064	163146	24.8	102	124	2046
Surguja	1600240	1570163	3170403	810517	34.3	102	202	2051
Jashpur	510113	500007	1010120	158451	18.6	102	173	2046
Raigarh	959487	957939	1917426	423442	28.3	100	271	2055
Korba	810845	802690	1613535	406895	33.7	101	245	2052
Janjgir-Champa	1194857	1172609	2367465	747759	46.2	102	614	2062
Bilaspur	1886442	1787205	3673647	1010018	37.9	106	444	2058
Kabeerdham	570863	584255	1155118	332592	40.4	98	273	2059
Rajnandgaon	959078	999640	1958719	421585	27.4	96	243	2052
Durg	2056391	2101774	4158165	814293	24.4	98	487	2049
Raipur	2793089	2740253	5533342	1469470	36.2	102	447	2057
Mahasamund	616277	623986	1240262	207509	20.1	99	259	2048
Dhamtari	507797	521019	1028816	229035	28.6	97	252	2051
Uttar Bastar Kanker	454555	460696	915251	166310	22.2	99	128	2043
Bastar	881372	910673	1792044	378846	26.8	97	171	2049
Narayanpur	93191	92851	186042	46222	33.1	100	40	2054
Dakshin Bastar Dantewada	309700	322192	631893	98254	18.4	96	76	2042
Bijapur	158908	159085	317992	62763	24.6	100	37	2043
Madhya Pradesh								
Sheopur	512414	456644	969058	281197	40.9	112	147	2058
Morena	1441525	1232160	2673684	707715	36.0	117	536	2057
Bhind	1175054	995376	2170430	467425	27.4	118	487	2052
Gwalior	1483439	1329237	2812676	780640	38.4	112	617	2057
Datia	540045	492671	1032716	245962	31.3	110	356	2052
Shivpuri	1286210	1171541	2457750	731701	42.4	110	244	2059

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Tikamgarh	1031538	948650	1980188	535022	37.0	109	392	2056
Chhatarpur	1264094	1165736	2429830	667455	37.9	108	280	2053
Panna	694977	643474	1338451	321931	31.7	108	188	2048
Sagar	1603206	1462661	3065867	687409	28.9	110	299	2051
Damoh	849148	771868	1621016	356797	28.2	110	222	2051
Satna	1548077	1452365	3000442	771507	34.6	107	400	2053
Rewa	1691128	1569717	3260845	895739	37.9	108	516	2056
Umaria	454375	428702	883078	238319	37.0	106	217	2057
Neemuch	535366	513041	1048407	222340	26.9	104	246	2049
Mandsaur	871239	852008	1723247	382836	28.6	102	311	2050
Ratlam	959864	950499	1910364	455294	31.3	101	393	2054
Ujjain	1309930	1271795	2581725	594861	29.9	103	424	2052
Shajapur	1024949	973343	1998292	485611	32.1	105	323	2054
Dewas	1056623	1021030	2077653	513938	32.9	103	296	2053
Dhar	1556884	1509897	3066781	880988	40.3	103	376	2057
Indore	2579081	2419749	4998830	1722133	52.6	107	1282	2061
Khargone (West Nimar)	1255331	1252673	2508003	634958	33.9	100	313	2056
Barwani	1010950	1004913	2015863	629982	45.5	101	371	2061
Rajgarh	1084193	1061515	2145708	599894	38.8	102	349	2056
Vidisha	992850	922692	1915542	456667	31.3	108	260	2053
Bhopal	1752549	1699255	3451805	1080743	45.6	103	1245	2056
Sehore	922337	850779	1773116	461784	35.2	108	270	2056
Raisen	926935	839353	1766288	434691	32.6	110	209	2053
Betul	999177	976732	1975909	400547	25.4	102	197	2045
Harda	396174	373869	770043	199578	35.0	106	231	2051
Hoshangabad	822126	769312	1591437	350088	28.2	107	237	2050
Katni	863041	826765	1689806	397764	30.8	104	341	2052
Jabalpur	1588601	1488094	3076695	613406	24.9	107	590	2048
Narsimhapur	723437	666640	1390077	298223	27.3	109	271	2050
Dindori	431400	436344	867743	163220	23.2	99	116	2049
Mandla	655193	668557	1323750	268845	25.5	98	228	2049
Chhindwara	1354516	1303169	2657684	566763	27.1	104	225	2050

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Seoni	868622	848309	1716931	337800	24.5	102	196	2049
Balaghat	1011849	1026683	2038531	336834	19.8	99	221	2045
Guna	926288	887453	1813741	572222	46.1	104	284	2059
Ashoknagar	589587	534867	1124454	279383	33.1	110	241	2053
Shahdol	680650	671261	1351911	285848	26.8	101	218	2051
Anuppur	471100	474672	945772	196535	26.2	99	252	2044
Sidhi	811632	787336	1598968	471935	41.9	103	330	2059
Singrauli	943607	869765	1813372	635099	53.9	108	320	2061
Jhabua	727632	734438	1462069	437022	42.6	99	406	2059
Alirajpur	499153	507914	1007067	278068	38.1	98	316	2054
Khandwa (East Nimar)	856078	816047	1672125	362064	27.6	105	227	2051
Burhanpur	490139	464309	954448	196601	25.9	106	279	2049
Gujarat								
Kachchh	1623999	1385865	3009865	917493	43.8	117	66	2061
Banas Kantha	2231266	2084291	4315558	1195051	38.3	107	402	2058
Patan	818584	764250	1582833	239100	17.8	107	273	2043
Mahesana	1274655	1164500	2439156	404091	19.9	109	554	2040
Sabar Kantha	1530172	1440462	2970635	542045	22.3	106	402	2046
Gandhinagar	910059	835782	1745841	354088	25.4	109	816	2046
Ahmadabad	5033518	4562302	9595820	2381595	33.0	110	1184	2052
Surendranagar	1159041	1083561	2242602	486334	27.7	107	215	2052
Rajkot	2585238	2387238	4972476	1167918	30.7	108	444	2053
Jamnagar	1336048	1250013	2586061	425942	19.7	107	182	2044
Porbandar	349944	333154	683098	97649	16.7	105	295	2037
Junagadh	1683610	1606189	3289799	546717	19.9	105	373	2042
Amreli	895034	863129	1758162	243973	16.1	104	238	2033
Bhavnagar	1898801	1734358	3633158	752794	26.1	109	362	2050
Anand	1296925	1194904	2491829	399084	19.1	109	778	2043
Kheda	1414631	1313496	2728128	428242	18.6	108	690	2035
Panch Mahals	1537598	1493104	3030702	639926	26.8	103	579	2050
Dohad	1577780	1551263	3129043	1001957	47.1	102	859	2060
Vadodara	2678746	2521628	5200374	1034748	24.8	106	689	2048

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	Male	Female	Person	Number	%			
Narmada	362293	348826	711119	120822	20.5	104	252	2046
Bharuch	1010859	929739	1940597	389579	25.1	109	298	2049
The Dangs	151397	154716	306113	77822	34.1	98	173	2055
Navsari	824138	792384	1616522	286850	21.6	104	720	2043
Valsad	1266115	1123699	2389814	684136	40.1	113	794	2058
Surat	6951676	4773966	11725642	5644320	92.8	146	2578	2069
Tapi	472972	471420	944392	137370	17.0	100	301	2039
Daman and Diu								
Diu	32335	32732	65067	12993	25.0	99	1668	2049
Daman	382708	154586	537293	346121	181.1	248	7462	2090
Dadra and Nagar Haveli								
Dadra & Nagar Haveli	597250	286290	883540	539831	157.1	209	1799	2077
Maharashtra								
Nandurbar	1136629	1099060	2235689	587394	35.6	103	375	2055
Dhule	1321607	1245378	2566984	516123	25.2	106	357	2049
Jalgaon	2745210	2503780	5248990	1019073	24.1	110	446	2049
Buldana	1713202	1599290	3312492	726234	28.1	107	343	2053
Akola	1150383	1101752	2252135	438229	24.2	104	397	2047
Washim	787242	726434	1513676	316516	26.4	108	309	2048
Amravati	1811025	1746869	3557893	669449	23.2	104	291	2046
Wardha	807124	754520	1561643	260870	20.1	107	248	2041
Nagpur	3084735	2996106	6080841	1427271	30.7	103	615	2051
Bhandara	725459	714676	1440135	239801	20.0	102	352	2038
Gondiya	759733	758228	1517961	195454	14.8	100	290	2034
Gadchiroli	684013	675145	1359159	286216	26.7	101	94	2046
Chandrapur	1367936	1327224	2695161	490853	22.3	103	236	2039
Yavatmal	1772058	1673482	3445540	673192	24.3	106	254	2046
Nanded	2309791	2166930	4476721	1115429	33.2	107	425	2053
Hingoli	797980	737058	1535038	357693	30.4	108	318	2054
Parbhani	1243744	1170636	2414380	578294	31.5	106	389	2053
Jalna	1351883	1253869	2605753	646706	33.0	108	339	2055
Aurangabad	2815682	2622279	5437961	1736679	46.9	107	537	2061

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Nashik	4394024	4080893	8474917	2367730	38.8	108	546	2055
Thane	9533907	9431080	18964988	7904839	71.5	101	1984	2064
Mumbai Suburban	6189755	5331245	11520999	2164038	23.1	116	25832	2036
Mumbai	2064263	1624938	3689202	603790	19.6	127	23498	1985
Raigarh	1879588	1695759	3575347	941147	35.7	111	500	2056
Pune	7477211	6727250	14204461	4775053	50.6	111	908	2060
Ahmadnagar	2928661	2775716	5704377	1161218	25.6	106	335	2049
Bid	1764942	1590075	3355017	769968	29.8	111	314	2053
Latur	1715344	1568726	3284070	829874	33.8	109	459	2054
Osmanabad	1070574	978085	2048659	391083	23.6	109	271	2049
Solapur	2829963	2648401	5478365	1160608	26.9	107	368	2050
Satara	1835183	1802026	3637209	633468	21.1	102	347	2044
Ratnagiri	908222	1003633	1911856	296786	18.4	90	233	2021
Sindhudurg	494070	502871	996941	147290	17.3	98	191	2029
Kolhapur	2448698	2329574	4778272	902271	23.3	105	622	2045
Sangli	1764262	1712946	3477209	655065	23.2	103	406	2045
Andhra Pradesh								
Adilabad	1729853	1747375	3477229	735989	26.8	99	216	2095
Nizamabad	1514948	1596375	3111322	559988	21.9	95	391	2062
Karimnagar	2286789	2336090	4622879	846610	22.4	98	391	2105
Medak	1950715	1924692	3875407	842119	27.8	101	400	2107
Hyderabad	2422564	2282748	4705312	761989	19.3	106	21684	2056
Rangareddy	5318668	5055560	10374228	5077487	95.9	105	1385	2139
Mahbubnagar	2607124	2532381	5139505	1086477	26.8	103	279	2113
Nalgonda	2113017	2134769	4247786	758977	21.8	99	298	2078
Warangal	2158937	2138064	4297001	784425	22.3	101	335	2092
Khammam	1695781	1729903	3425683	628314	22.5	98	214	2075
Srikakulam	1604602	1649596	3254198	551084	20.4	97	558	2091
Vizianagaram	1361321	1380319	2741640	397166	16.9	99	419	2078
Visakhapatnam	2655732	2728186	5383918	1093329	25.5	97	482	2073
East Godavari	3012612	3033438	6046050	891754	17.3	99	559	2075
West Godavari	2308255	2304712	4612967	676001	17.2	100	596	2068

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Krishna	2743474	2748988	5492462	975064	21.6	100	629	2084
Guntur	2901567	2923968	5825535	937722	19.2	99	511	2079
Prakasam	2085036	2055225	4140261	742813	21.9	101	235	2097
Sri Potti Sriramulu Nellore	1814312	1791984	3606296	642739	21.7	101	276	2074
Y. S. R.	1775126	1770508	3545634	663165	23.0	100	231	2071
Kurnool	2579708	2555916	5135624	1082161	26.7	101	291	2089
Anantapur	2569171	2528988	5098158	1017011	24.9	102	267	2077
Chittoor	2548343	2624353	5172696	998632	23.9	97	341	2090
Karnataka								
Belgaum	3006194	2954508	5960703	1181041	24.7	102	444	2047
Bagalkot	1213118	1193032	2406150	516398	27.3	102	367	2049
Bijapur	1436998	1401912	2838910	661579	30.4	103	270	2053
Bidar	1127583	1061321	2188904	485604	28.5	106	402	2051
Raichur	1260877	1277676	2538553	609741	31.6	99	301	2053
Koppal	941226	916157	1857383	467463	33.6	103	333	2054
Gadag	645647	631736	1277383	212813	20.0	102	274	2044
Dharwad	1141757	1130666	2272423	425400	23.0	101	533	2046
Uttara Kannada	854012	836442	1690455	253285	17.6	102	164	2035
Haveri	986111	959557	1945667	348000	21.8	103	403	2044
Bellary	1639532	1616528	3256060	803465	32.8	101	385	2054
Chitradurga	1017379	1007140	2024519	365063	22.0	101	240	2044
Davanagere	1190347	1169236	2359583	414086	21.3	102	398	2042
Shimoga	1020315	1007877	2028193	275439	15.7	101	239	2034
Udupi	649327	707415	1356742	179381	15.2	92	379	2027
Chikmagalur	667286	677729	1345015	207054	18.2	98	187	2028
Tumkur	1613656	1605459	3219115	540135	20.2	101	304	2037
Bangalore	8472798	7878480	16351278	6729727	69.9	108	7446	2066
Mandya	1053047	1059540	2112586	306818	17.0	99	426	2027
Hassan	1046163	1060999	2107162	330741	18.6	99	309	2034
Dakshina Kannada	1237760	1259842	2497602	407953	19.5	98	514	2042
Kodagu	317426	326424	643851	89331	16.1	97	157	2027
Mysore	1878000	1856125	3734125	732998	24.4	101	592	2047

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Chamarajanagar	600288	606015	1206303	185512	18.2	99	214	2035
Gulbarga	1684042	1656046	3340088	773762	30.2	102	305	2055
Yadgir	801402	805039	1606442	432170	36.8	100	305	2059
Kolar	961223	943579	1904802	368401	24.0	102	479	2046
Chikkaballapura	770995	747054	1518049	262945	21.0	103	358	2044
Bangalore Rural	651664	612747	1264411	273488	27.6	106	550	2053
Ramanagara	637648	634041	1271689	189053	17.5	101	362	2033
Goa								
North Goa	502285	483701	985987	167978	20.5	104	568	2041
South Goa	385088	390031	775118	134582	21.0	99	394	2040
Lakshadweep								
Lakshadweep	40375	37929	78305	13831	21.5	106	2610	2036
Kerala								
Kasaragod	758481	825039	1583519	276145	21.1	92	796	2040
Kannur	1364961	1587796	2952757	429754	17.0	86	997	2031
Wayanad	483334	493692	977025	159606	19.5	98	459	2033
Kozhikode	1725831	1919603	3645434	559141	18.1	90	1555	2035
Malappuram	2454075	2712975	5167049	1054130	25.6	90	1454	2046
Palakkad	1613911	1733803	3347713	537780	19.1	93	747	2038
Thrissur	1721347	1914846	3636193	514993	16.5	90	1201	2030
Ernakulam	1880915	1946517	3827432	545044	16.6	97	1250	2033
Idukki	649254	654800	1304054	195080	17.6	99	299	2018
Kottayam	1118546	1160507	2279053	304502	15.4	96	1033	2026
Alappuzha	1166864	1280327	2447191	319402	15.0	91	1729	2024
Pathanamthitta	657160	736410	1393570	196158	16.4	89	525	2011
Kollam	1451438	1614277	3065716	430340	16.3	90	1235	2027
Thiruvananthapuram	1851578	2031499	3883077	581650	17.6	91	1774	2032
Tamil Nadu								
Thiruvallur	2759310	3205380	5964690	2236586	60.0	86	1757	2062
Chennai	2748346	2844337	5592683	945951	20.4	97	31958	2037
Kancheepuram	2891436	3564898	6456334	2458082	61.5	81	1440	2064
Vellore	2398191	2533572	4931763	995432	25.3	95	812	2049

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Tiruvannamalai	1447895	1534746	2982641	517766	21.0	94	482	2046
Viluppuram	2103073	2226565	4329638	870765	25.2	94	602	2049
Salem	2178584	2150677	4329261	847205	24.3	101	827	2051
Namakkal	1071463	1096456	2167918	441318	25.6	98	634	2053
Erode	1341340	1399289	2740629	488885	21.7	96	476	2044
The Nilgiris	425065	453363	878428	143034	19.4	94	342	2016
Dindigul	1275781	1326230	2602011	442236	20.5	96	431	2046
Karur	632857	664367	1297223	232731	21.9	95	447	2053
Tiruchirappalli	1574256	1694178	3268434	546144	20.1	93	725	2042
Perambalur	344815	360039	704853	139631	24.7	96	401	2050
Ariyalur	438414	455824	894238	139344	18.5	96	461	2039
Cuddalore	1534679	1586624	3121303	515389	19.8	97	843	2043
Nagapattinam	934164	986046	1920211	303760	18.8	95	747	2041
Thiruvavur	722424	760805	1483229	218952	17.3	95	652	2040
Thanjavur	1369064	1488503	2857567	451677	18.8	92	838	2035
Pudukkottai	959205	996215	1955420	337075	20.8	96	421	2041
Sivaganga	766949	788192	1555141	216040	16.1	97	367	2041
Madurai	1784873	1848525	3633398	595146	19.6	97	979	2044
Theni	721264	703562	1424826	178927	14.4	103	497	2038
Virudhunagar	1164965	1229903	2394868	452580	23.3	95	565	2046
Ramanathapuram	765913	809226	1575139	221694	16.4	95	384	2038
Thoothukkudi	983596	1038488	2022084	271908	15.5	95	426	2035
Tirunelveli	1832640	1912355	3744995	667762	21.7	96	560	2047
Kanniyakumari	1055318	1099742	2155060	284686	15.2	96	1280	2036
Dharmapuri	947871	928228	1876099	369256	24.5	102	417	2048
Krishnagiri	1264769	1281304	2546073	666264	35.4	99	496	2055
Coimbatore	2091276	2212486	4303762	845717	24.5	95	910	2051
Tiruppur	1893080	1974602	3867682	1388630	56.0	96	746	2066
Puducherry								
Yanam	103695	214346	318041	262415	471.7	48	10601	2089
Puducherry	642727	707846	1350572	400284	42.1	91	4594	2058
Mahe	23445	27822	51267	9451	22.6	84	5696	2047

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Karaikal	123662	133702	257364	57142	28.5	92	1639	2052
Andaman and Nicobar Islands								
Nicobars	25081	20474	45555	8713	23.6	123	25	2005
North & Middle Andaman	67199	61643	128842	23245	22.0	109	34	2027
South Andaman	164536	143104	307640	69498	29.2	115	115	2042

Source: Author