

Based on the 2011 census, this publication captures the changes in Child Sex Ratio over two decades and offers a snapshot of the changing demographic realities of India. In continuation of 'MISSING... Mapping the Adverse Child Sex Ratio in India', 2003, this is the second publication in the series.



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It has long been observed that as a natural phenomenon, more boys are born than girls. As a result, the normal sex ratio at birth (SRB), calculated as the number of girls born for every 1000 boys born, is usually in the range 943-962. Over time, with higher male mortality, this imbalance is expected to even out for higher age groups. However, early discriminatory behaviour such as gender-biased sex selection before birth or neglect of girls after birth artificially skews SRB as well as child sex ratio (CSR), measured as the number of girls per 1000 boys in the age group 0-6, in favour of boys. Given this context, the CSR remains much below the normal or desirable range of 950 or more girls per 1000 boys.

The CSR in India has declined from 927 girls per 1000 boys in 2001 to 918 according to Census 2011. Wide variations are seen in ratios across different regions of the country. Overall, the CSR remains adverse in 21 states and Union Territories, the fall ranging from 3 to 79 points. On the other hand, 11 states and two union territories have registered an increase in CSR during the last decade. Changes in CSR at the district level are more pronounced. Of the total 640 districts in the country, 429 districts have experienced decline in CSR. Of this, 26 districts recorded drastic decline (of 50 points or more), and 52 districts reported sharp decline (of 30-49 points). An overwhelming number of districts also experienced moderate (of 10-29 points) or marginal (less than 10 points) decline in CSR. Census 2011 also points to the spread of this phenomenon from largely urban and prosperous areas to rural, remote and tribal pockets of the country.

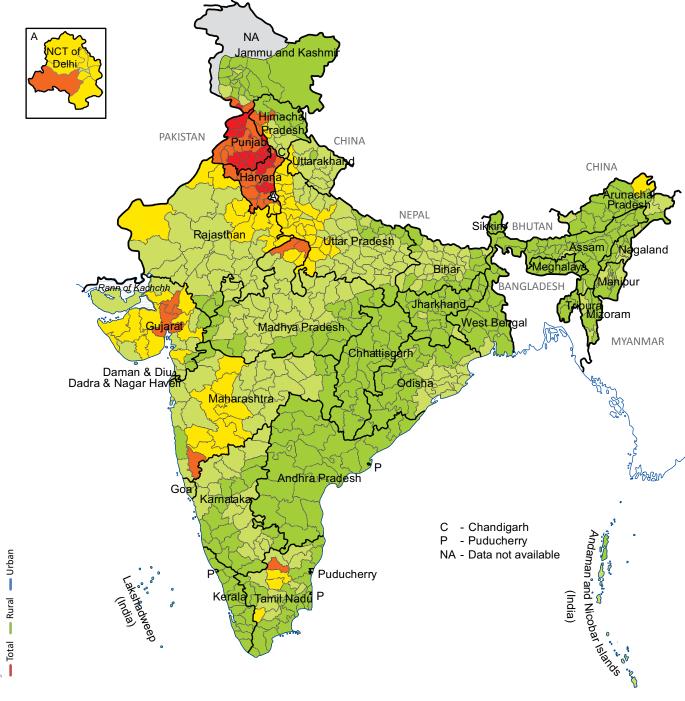
Gender biased sex selection is a discriminatory practice that is a result of a complex web of factors: deep-seated patriarchal mindsets that lead families to value sons over daughters, the need for small families, but with sons, and commercialisation and misuse of medical technology that enables illegal sex selection.

Sex ratio imbalances are expected to have serious socio-demographic consequences, further reinforcing the subordination of girls and women. The issue therefore requires a multi-faceted response to enhance the value of girls, as well as legal measures to curb misuse of medical technology.

This publication maps the trends in CSR over the decade between 2001 and 2011. It tracks the shifts in urban and rural ratios from 1991-2011, and highlights both the degree and patterns of change at the district level, across India.

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AFGHANISTAN

Child Sex Ratio (0-6 years)

18 2011

CHILD SEX RATIO

Below 800

800-849

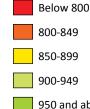
850-899

900-949

950 and Above

Data not available

AFGHANISTAN NA Jammu and Kashmir Delhi Himacha Rradesh PAKISTAN CHINA Punjab & CHINA (Uttarakhand NEPAL Sikkim BHUTAN Rajasthan Uttar Pradesh Assam Nagaland Bihar BANGLADESH Rann of Kachchh **Jharkhand** West Bengal **Miz**bram Madhya Pradesh Gujarat MYANMAR Chhattisgarh Daman & Diu Dadra & Nagar Haveli Maharashtra Andhra Pradesh Goa Karnataka Andaman and Nicobat Island - Chandigarh - Puducherry NA - Data not available ▼Puducherry Kerala Tamit Nadu P

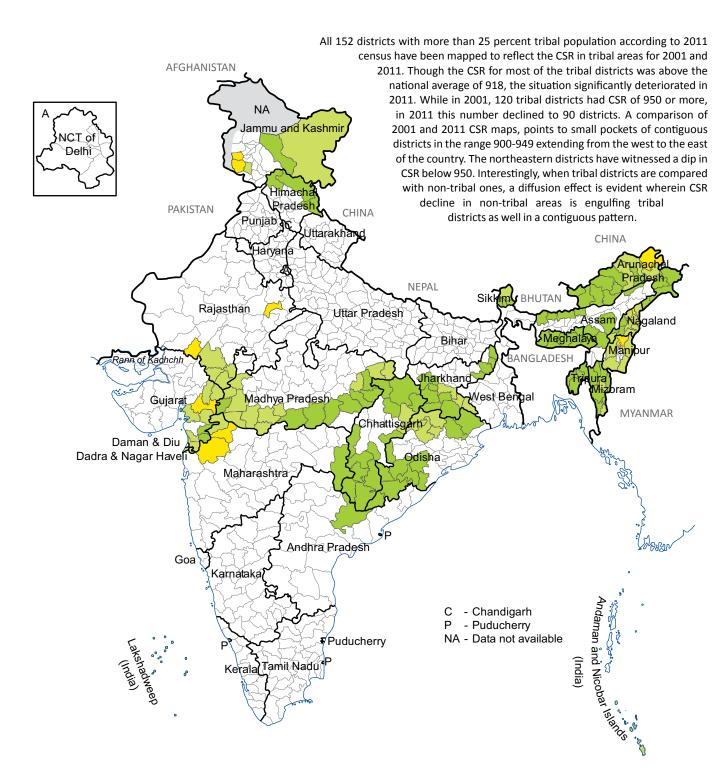


CHILD SEX RATIO

950 and above

Data not available

Non-tribal districts



Degree of Decline in CSR

DECLINE IN CHILD SEX RATIO

50 points and Above

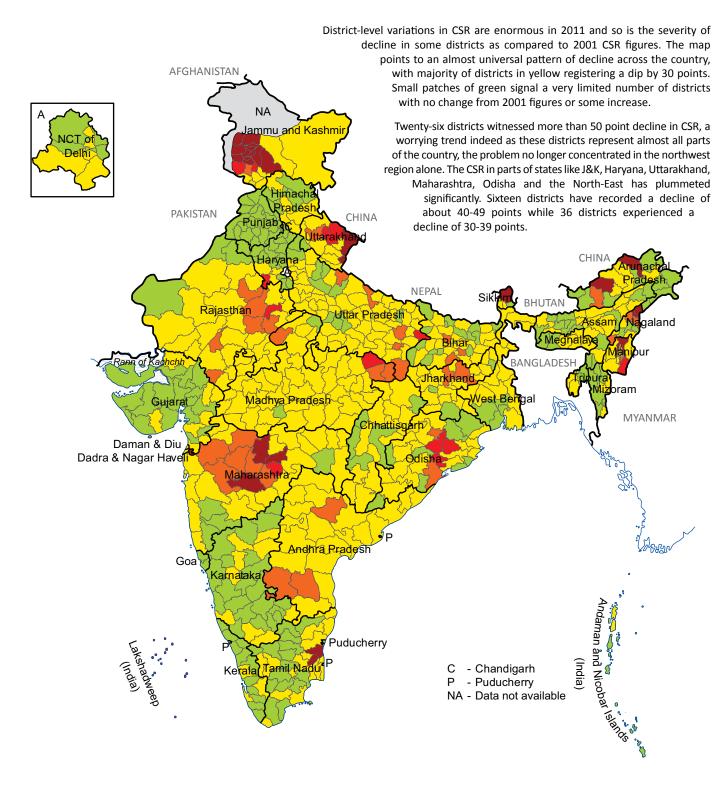
40-49

30-39

Below 30

No Change/Increase

Data not available



As compared to CSR, the sex ratio at birth (SRB) is a more robust indicator of the extent of the practice of gender biased sex selection. Unlike CSR which is affected by factors such as postbirth mortality, selective neglect of girls, etc. the SRB provides data of the number of girls born for every 1000 boys born. This analysis has been undertaken to provide a sense of SRB estimates based on the successive censuses. As the estimate has been derived indirectly through a demographic technique of 'reverse survival' using the 0-6 age group, the relevant SRB has been termed as 'Implied Sex Ratio at Birth'. The implied SRB (ISRB) for India in 2011 is

estimated to be 923 girls born for every 1000 boys born and has declined from 935 in 2001. Half of the states in the country barring J&K have witnessed decline in their ISRB and the range of decline varied between -33 and -3 points with Uttarakhand exhibiting maximum decline and Tamil Nadu recording minimum decline.

On the other hand, 14 states have shown an increase. The range of maximum increase has come from states like Punjab, Mizoram and Himachal Pradesh that have almost caught up with the national average. If the normal range of 943-962 ISRB is applied, then 13 out of 29 states fall within this range*. Those below this range include states such as Delhi, Gujarat, Haryana, Jammu & Kashmir, Rajasthan, Punjab and Uttarakhand where the ISRB is less than 900.

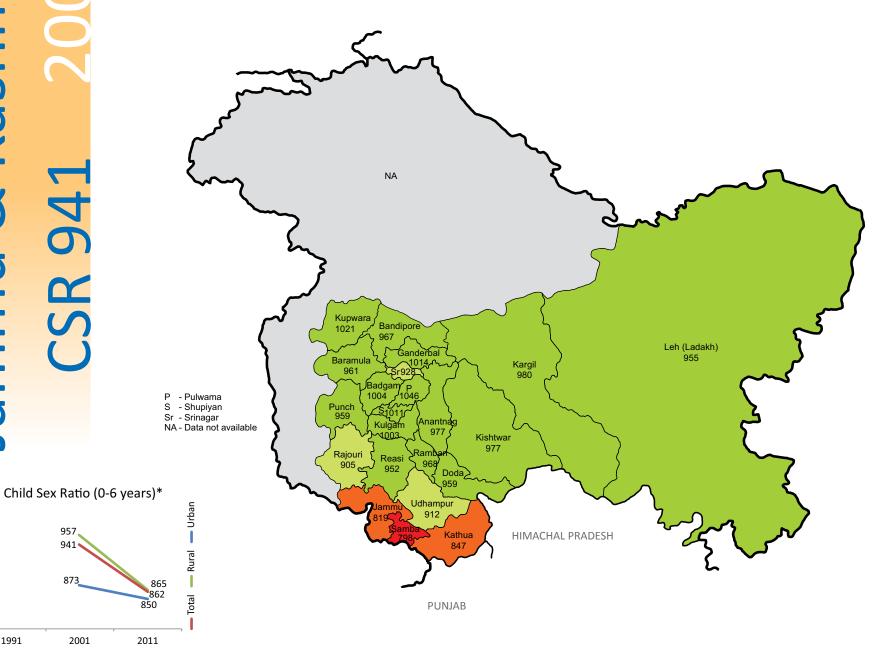
District-level estimates of ISRB (not shown in the table) indicate substantial variation across the country from the lowest of 775 to the highest of 1,033. About a guarter of the districts in India (161) are characterized by very low ISRB (lower than 900). Along with the low ISRB, these districts are also characterised by low CSR, pointing to both pre- and post-birth discrimination, as seen in districts like Jhajjar (782), Mahendragarh (775) and Rewari (787) in Haryana and Samba (779) in Jammu & Kashmir.

State-wise Trends in Implied Sex Ratio at Birth Derived from 2001 and 2011 Censuses

S.	India and States	Implied Sex Ratio at Birth (ISRB)		Change in ISRB over			
No.		1994-2000	2004-10	1994-2000 to 2004-10			
	INDIA	935	923	-12			
	Large States						
1	Andhra Pradesh	959	938	-21			
2	Assam	968	961	-7			
3	Bihar	954	943	-11			
4	Chhattisgarh	983	971	-12			
5	Delhi	865	873	8			
6	Gujarat	890	895	5			
7	Haryana	838	845	6			
8	Himachal Pradesh	898	916	19			
9	Jammu & Kashmir	NA	866	_			
10	Jharkhand	977	958	-19			
11	Karnataka	944	949	5			
12	Kerala	959	965	5			
13	Madhya Pradesh	941	923	-18			
14	Maharashtra	915	896	-19			
15	Odisha	951	942	-9			
16	Punjab	809	854	44			
17	Rajasthan	924	897	-27			
18	Tamil Nadu	945	942	-3			
19	Uttar Pradesh	936	914	-22			
20	West Bengal	953	954	1			
		Small S	States				
1	Arunachal Pradesh	965	972	7			
2	Goa	931	943	12			
3	Manipur	957	937	-21			
4	Meghalaya	960	967	8			
5	Mizoram	949	970	21			
6	Nagaland	NA	944	-			
7	Sikkim	948	960	12			
8	Tripura	964	958	-6			
9	Uttarakhand	928	895	-33			
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Source: Kumar, Sanjay and Sathyanarayana, K.M. Decadal Trends in District-Level Estimates of Implied Sex Ratio at Birth in India. Demography India, Vol. 41, No:1, 2012, published in 2014.

^{*} Globally, sex ratios are calculated as the number of males for every 100 females. Sex Ratio at Birth is thus measured as the number of boys born for every 100 girls born. The international equivalent of a normal SRB lies in the range 104-106 boys born for every 100 girls born.



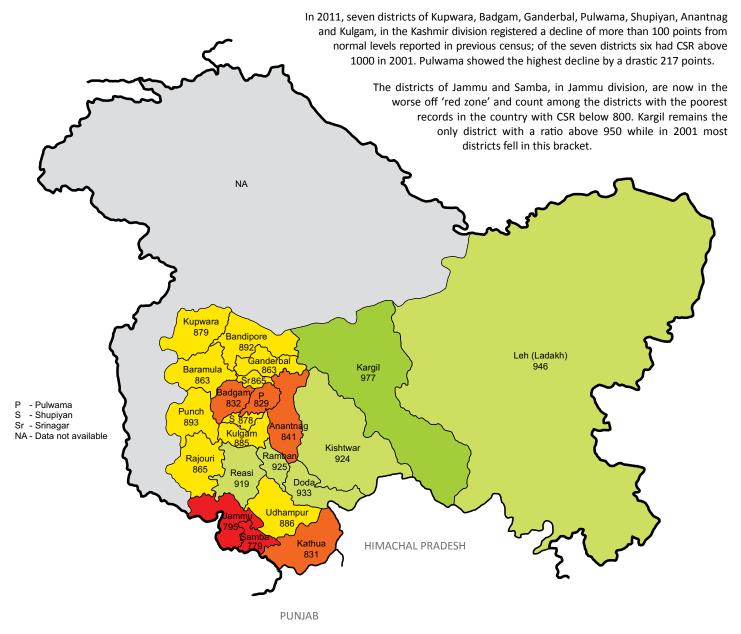
*The 1991 Census was not held in Jammu & Kashmir.

1991

2001

Number of girls per 1000 boys

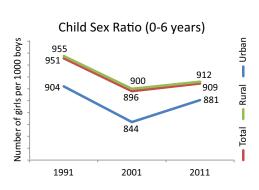
J&K recorded the highest decline in CSR in the country. The CSR fell by 79 points from 941 girls per 1000 boys in 2001 to 862 in 2011. Contrary to trends in other states, the decline in rural areas was steeper than in urban areas by a drastic 92 points, reaching 865.

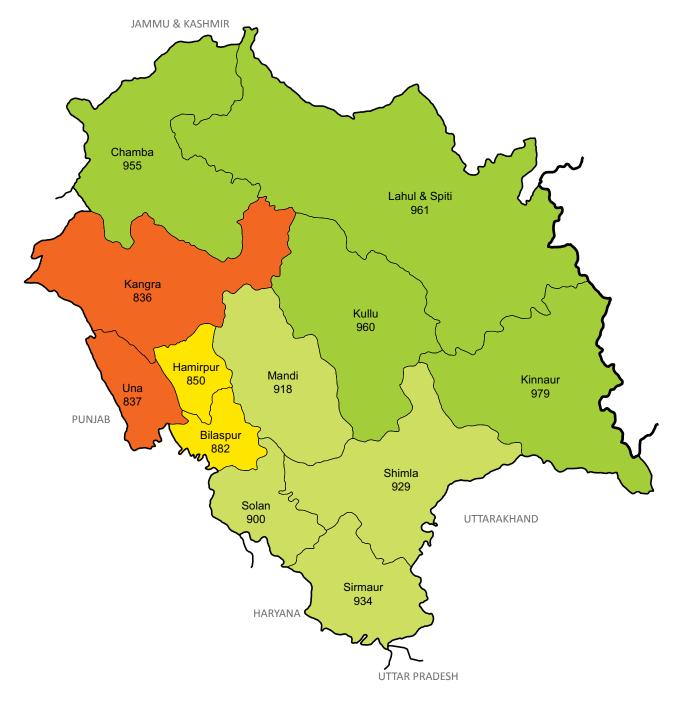




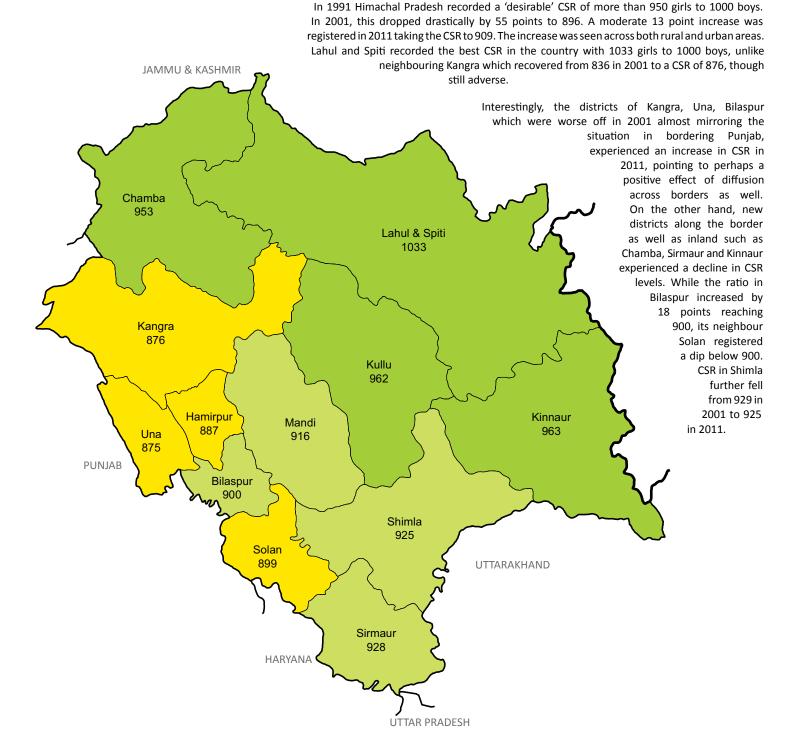
- Below 800
- 800-849
- 850-899
- 900-949
- 950 and above
- Data not available

Himachal Pradesh CSR 896 2001





12



CHILD SEX RATIO

Below 800

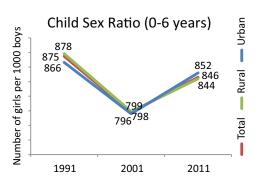
800-849

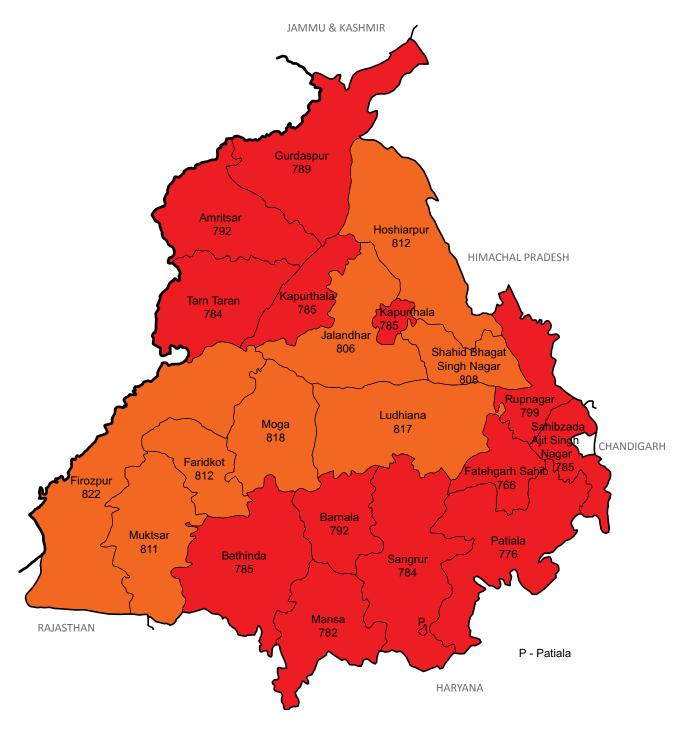
850-899

900-949

950 and above

Punjab CSR 798





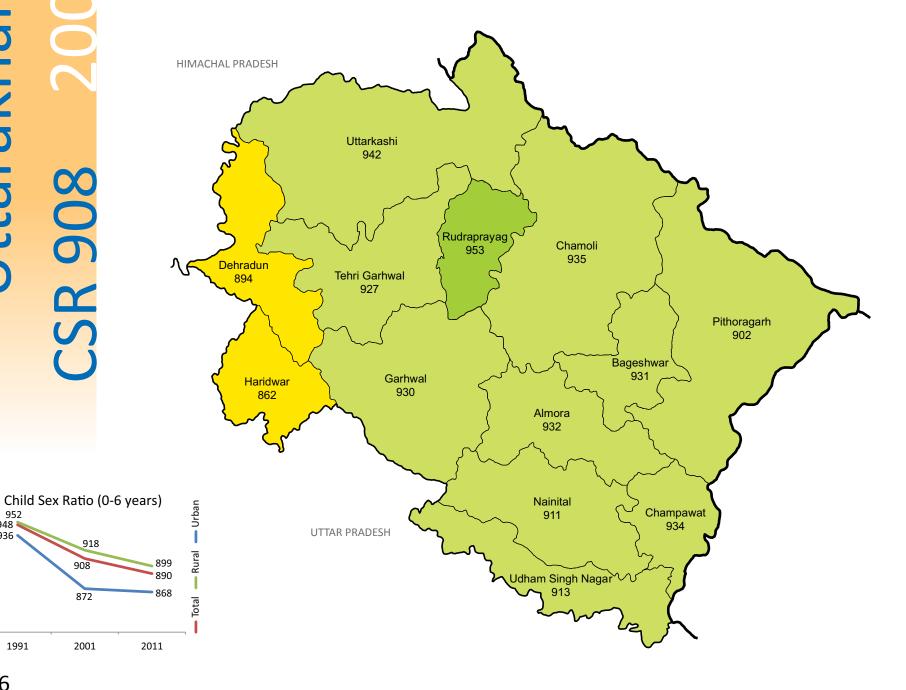
HARYANA

SSR 846



- Below 800
- 800-849
- 850-899
- 900-949
- 950 and above

Uttarakhand



948

Number of girls per 1000 boys



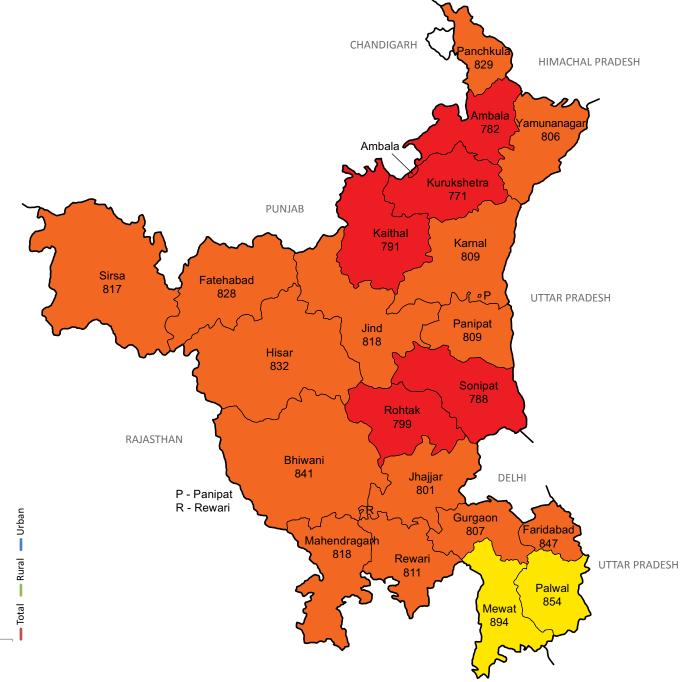


950 and above

CHILD SEX RATIO

Below 800 800-849

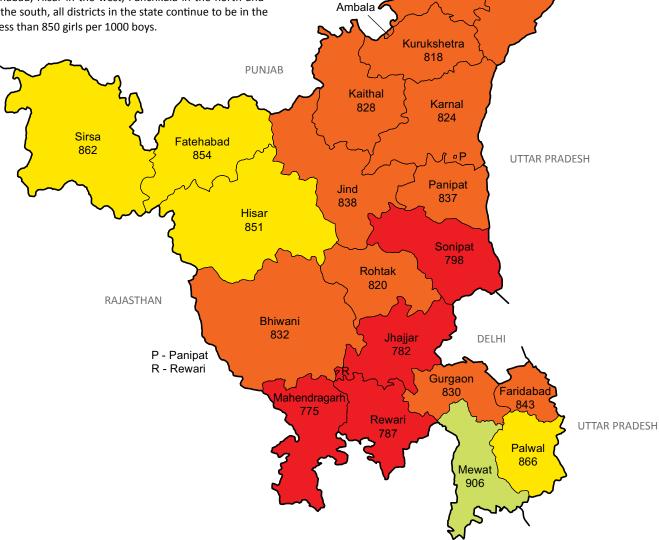
850-899 900-949



In 2011, the CSR in Haryana increased by 15 points to reach 834, up from 819 in 2001. Though the CSR still compares poorly with the 1991 levels and expected normal ratios, the rural-urban differences in CSR that existed in 2001 appear to have evened out in 2011. Despite an increase in rural and urban CSR, the gravity of the problem is now shared equally by both, the CSR levels continuing to be under 850.

Six of the total 21 districts recorded more than 850 girls in 2011, including the district of Mewat that now has more than 900 girls per 1000 boys. Among the districts with lowest CSR in the country, Sonipat, Jhajjar, Mahendragarh and Rewari have less than 800 girls, Mahendragarh registering the worst CSR level of only 775 girls per 1000 boys.

Except for Sirsa, Fatehabad, Hisar in the west, Panchkula in the north and Mewat and Palwal in the south, all districts in the state continue to be in the 'red zone' recording less than 850 girls per 1000 boys.



CHANDIGARH

anchkula

810

mbala ∤Yamunanaga

826

HIMACHAL PRADESH

950 and above

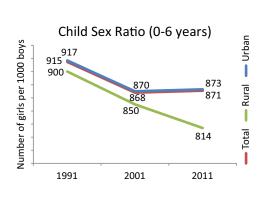
CHILD SEX RATIO

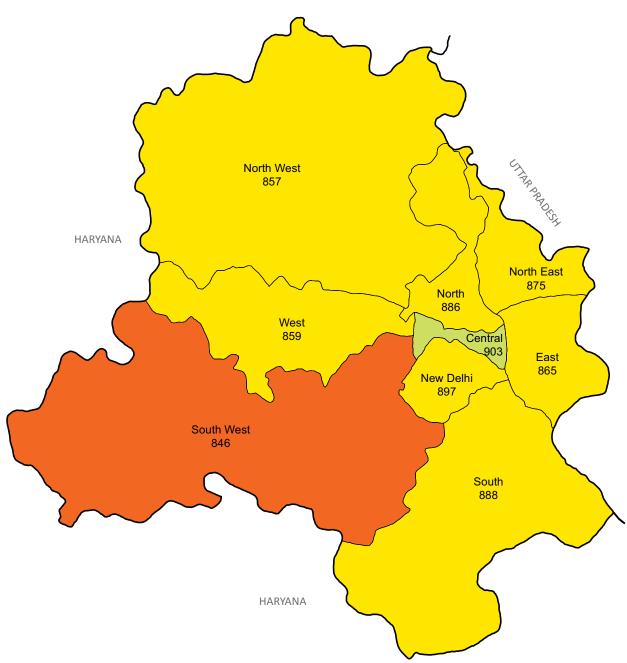
Below 800

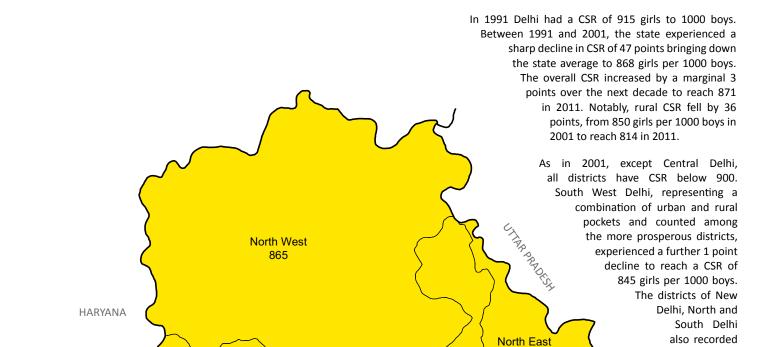
800-849

850-899

900-949







West

872

HARYANA

South West 845 880

East 871

North

873

New Delhi 894

Central

South

885

declines in CSR,

the overall picture

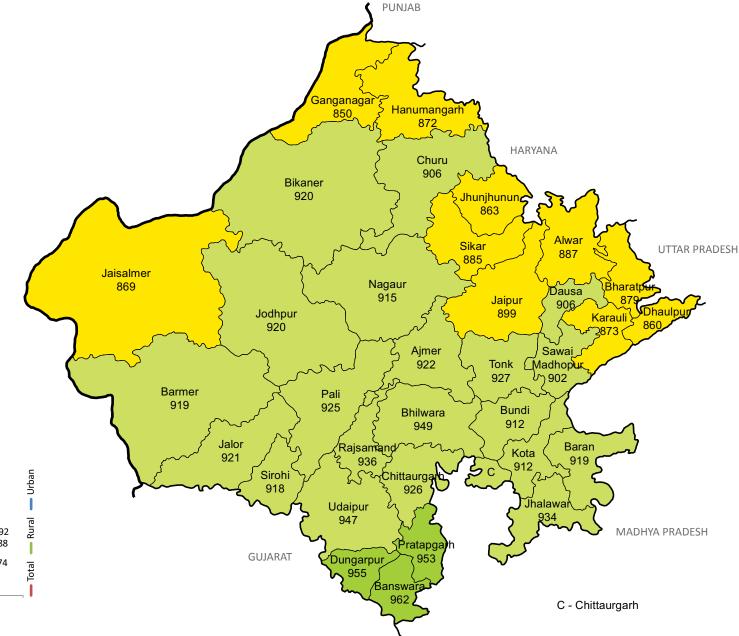
remaining almost

as adverse as

in 2001.



Rajasthan CSR 909 2001



Rajastha



Below 800

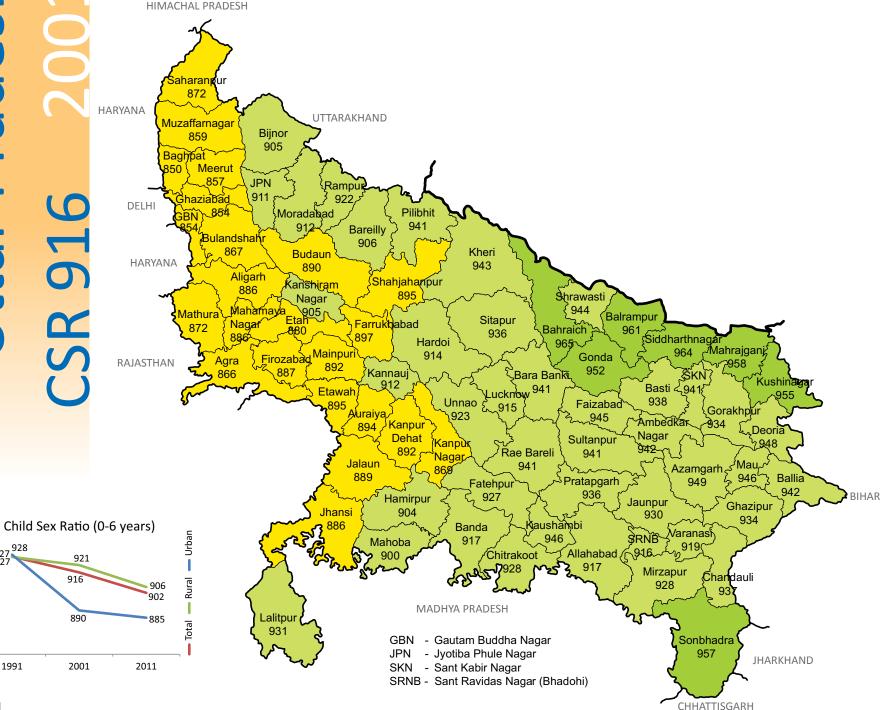
800-849

850-899

900-949

950 and above

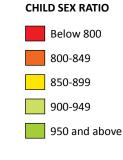
Uttar Pradesh



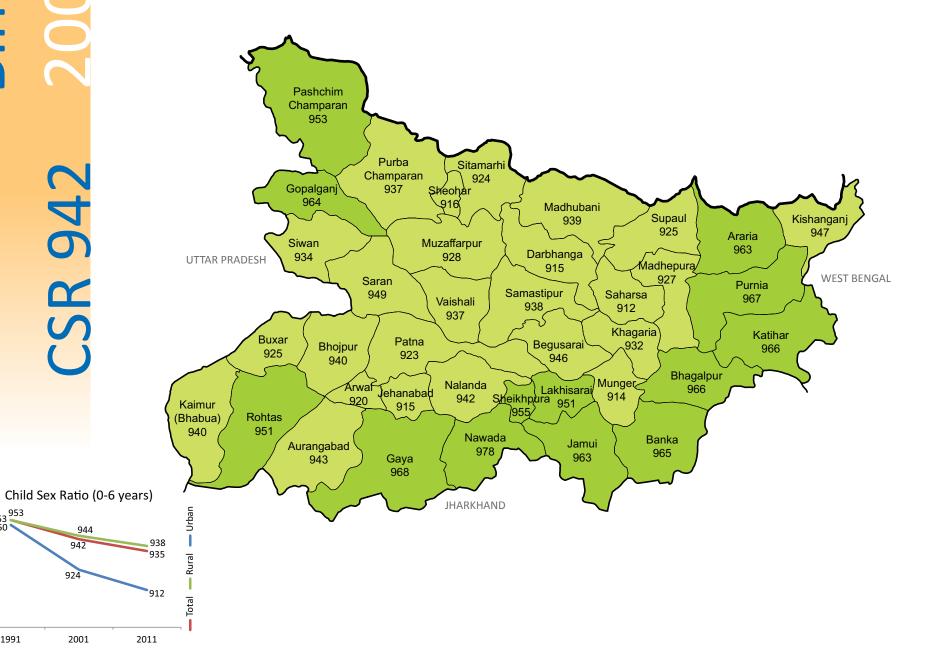
1991

Number of girls per 1000 boys

The CSR in U.P. declined from 927 girls for every 1000 boys in 1991 to 916 in 2001 dropping further to reach 902 in 2011. The decline in CSR between 2001 and 2011 was higher in rural areas than in urban HIMACHAL PRADESH areas marking a significant shift in the patterns seen in Census 1991 and 2001 when urban areas had recorded a severe drop in CSR and rural areas had shown marginal decline. In 2011, the severity of the problem seems to be spreading across rural areas more rapidly than before. Of the 71 districts in the state, an overwhelming majority of 60 districts recorded <mark>iharanı</mark>dur a decline in CSR in 2011. Pilibhit and other border districts to the east such as 887 Bahraich, Siddharthnagar, Kushinagar, Gorakhpur, Ballia, Ghazipur, Chandauli, HARYANA Sonbhadra, Mirzapur, Azamgarh, and Varanasi, Gonda and Mahrajganj UTTARAKHAND Muzaffarnagar experienced decline in CSR ranging from 25 points to over 40 points. The problem Bijnor 863 seems to have worsened along the western border of the state, the decline 883 Baghpat further diffusing inwards engulfing central districts of Hardoi and Kannauj and Meerut southern districts of Hamirpur and Mahoba. The 2011 map highlights **JPN** the grim situation in the state with the emergence of the 'red 903 aziabad 924. zone' denoting CSR below 850, in the districts of Baghpat, and DELHI 850 Pilibhit Moradabad urbanized Gautam Buddha Nagar. As compared to 2001, 912 916~ Bareilly a palpable disappearance of the desirable 'dark-Bulandshahr 903 green zones' is visible reflecting the 854 Budaur Kheri HARYANA adverse change sweeping across a 921 899 large part of the state. Aligarh Shahjahanpur Kañŝhiram 903 **S**hrawasti Nagar 928 Balrampur Sitapur Farruktabad Bahraich 950 930 Siddharthnag Hardoi Firozabad Mainpuri ²Mahrajganj 935 899 Gonda **RAJASTHAN** 931 Kannaui^ì 926 Bara Banki Lucknow 932 Basti 2942 Kushinagar Etawah 929 Unnao Faizabad Gorakhpur Auraiya 931 Ambedka 896 Kanpur **~**909 Deoria Dehat Nagar Kanpur Rae Bareli Sultanpur 932 897 922 ³Naga Azamgarh کے Mau Jalaun 926 کم 926⁶کر 881 Ballia Pratapgarh 919 Fatehpur 917 **BIHAR** 907 Hamirpur Jaunpur Ghazipur **Jhansi** 886 918 908 Kaushambi Banda RNB Varanash 902 Mahoba Allahabad Chitrakoot Mirzapur Chandauli 902 MADHYA PRADESH Lalitpui 916 GBN - Gautam Buddha Nagar Sonbhadra - Jyotiba Phule Nagar 925 **JHARKHAND** SKN - Sant Kabir Nagar SRNB - Sant Ravidas Nagar (Bhadohi)



CHHATTISGARH



950

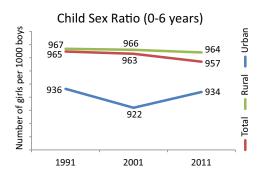
Number of girls per 1000 boys

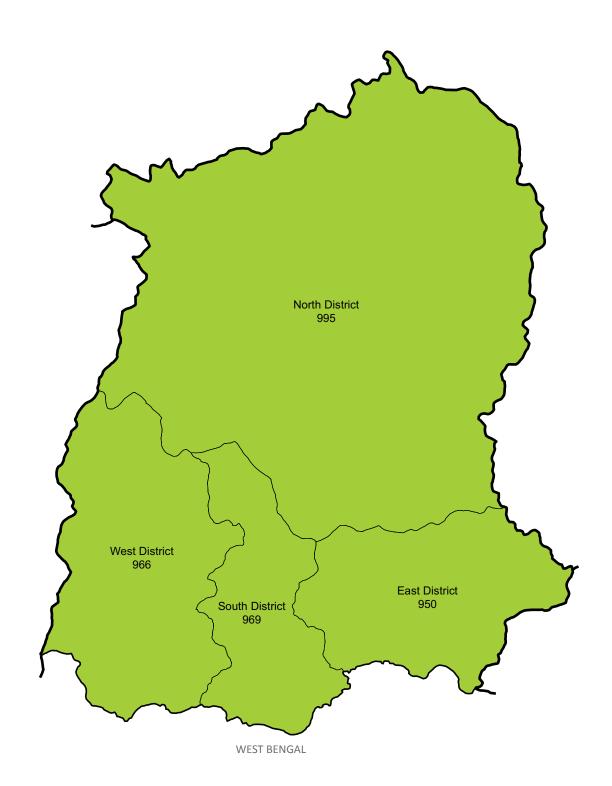


CHILD SEX RATIO

- Below 800
- 800-849
- 850-899
- 900-949
- 950 and above

Sikkim **CSR 963**





recorded a decline in CSR from 965 girls for every 1000 boys to 963. Subsequently, there was a further drop of 6 points observed in 2011, bringing the ratio to 957. While rural areas experienced a marginal decline of areas recorded The drastic decline of 66 points in the large North district brought North District down the CSR to 929 a low 929. The too recorded a 16 point decline increasing gravity of the problem in this district. West District 964 East District 960 South District 953

WEST BENGAL

Between 1991 and 2001, Sikkim

2 points, urban

an increase by 12 points.

South district

indicating the



Below 800

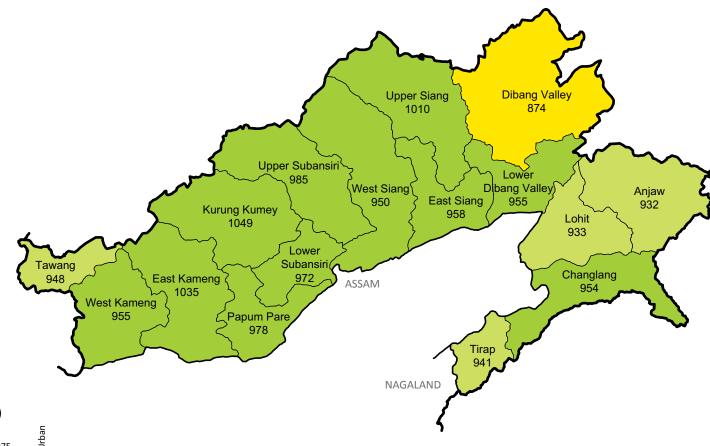
800-849

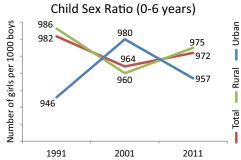
850-899

900-949

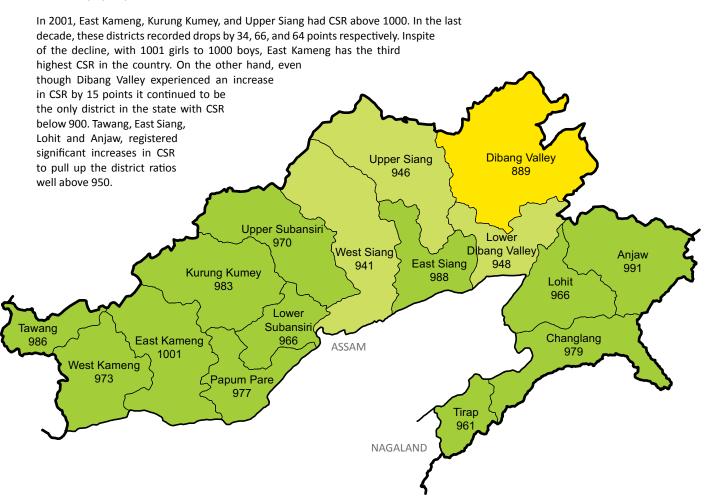
950 and above

Arunachal Pradesh CSR 964 2001





While CSR in Arunachal Pradesh remained lower than 1991 levels (982), it increased from 964 in 2001 to 972 in 2011. This is the highest recorded CSR in the country. The state presents a mixed picture of both positive and negative changes in CSR: CSR in rural areas increased by 15 points in the last decade, while the ratio in urban areas dropped moderately by 23 points.

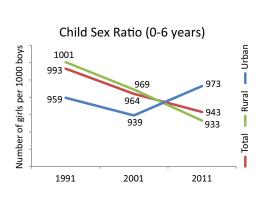


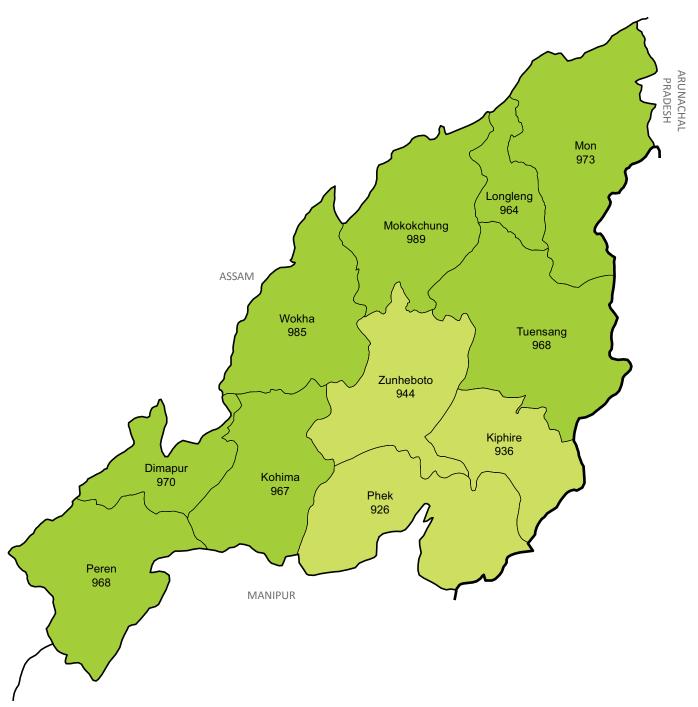


- Below 800
- 800-849
- 900-949
- 950 and above

850-899

Nagaland





In 1991, Nagaland had one of the highest CSR in the country, equalling 993. Between 1991 and 2001, the state experienced a drop in CSR by 29 points to reach 964. CSR dipped further to below 950 reaching 943 girls per 1000 boys in 2011. The changes in rural and urban CSR in Nagaland establish both ARUNACHAL PRADESH positive and negative records in the country. Urban CSR registered an impressive increase by 34 points to reach 973, one of the highest in India. The CSR in rural areas, on the other hand, declined sharply by 36 points from 969 in 2001 to 933 in 2011, dropping below the state average. Mon This was among the highest recorded decreases 912 in rural CSR. The district of Longleng recorded a drastic Longleng decline by 79 points bringing down 885 the district CSR to below 900 girls Mokokchung per 1000 boys. Neighbouring 949 districts of Mon, Mokokchung and Tuensang also experienced **ASSAM** declines in CSR by 61, 40 and 35 points respectively. Wokha 956 Tuensang 933 Zunheboto 948 Kiphire 948 Dimapur Kohima 966 985 Phek 913 Peren 935 **MANIPUR**

CHILD SEX RATIO

Below 800

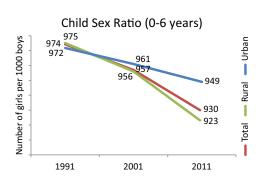
800-849

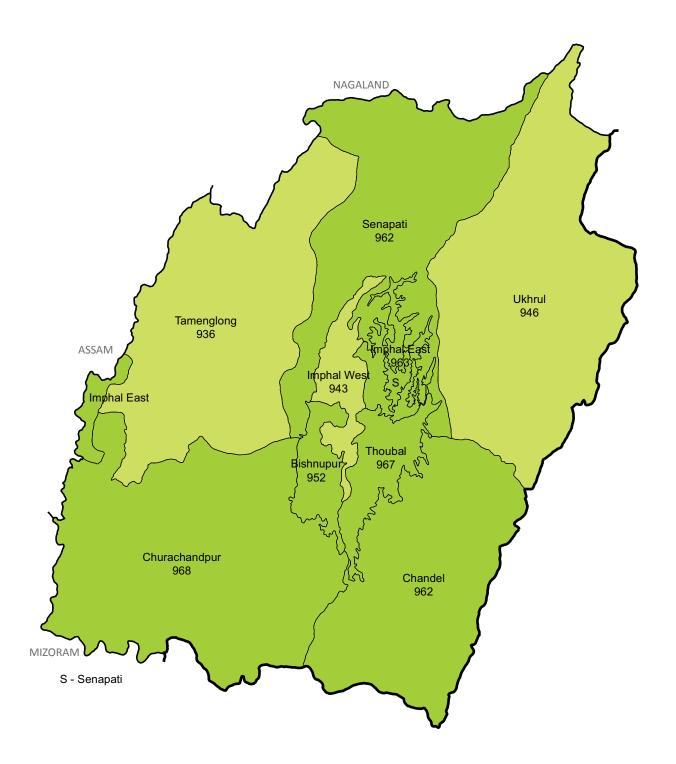
850-899

900-949

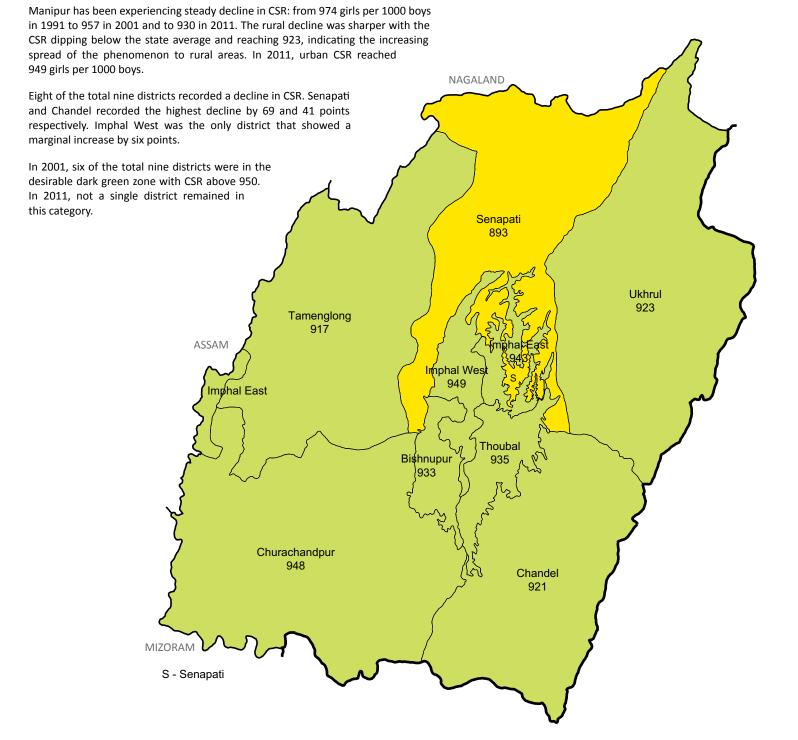
950 and above

Manipur





SR 930 2011

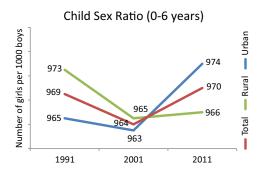


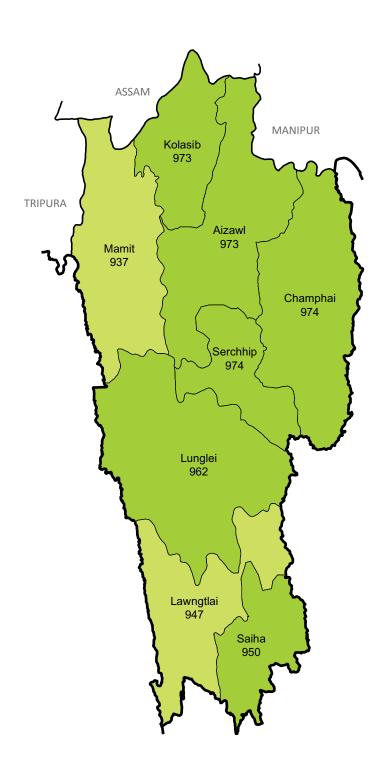
950 and above

CHILD SEX RATIO

Below 800 800-849 850-899 900-949

Mizoram CSR 964





ASSAM MANIPUR Kolasib 980 **TRIPURA** Aizawl 979 Mamit 979 Champhai 971 Serchhip 949 Lunglei 963 Lawngtlai

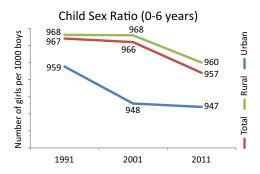
Saiha 932 Mizoram experienced a marginal decline in CSR from 969 to 964 girls to 1000 boys between 1991 and 2001. The ratio has since increased to 970, as registered in 2011. This is the first instance in which a state managed to record an increase in CSR above the 1991 level.

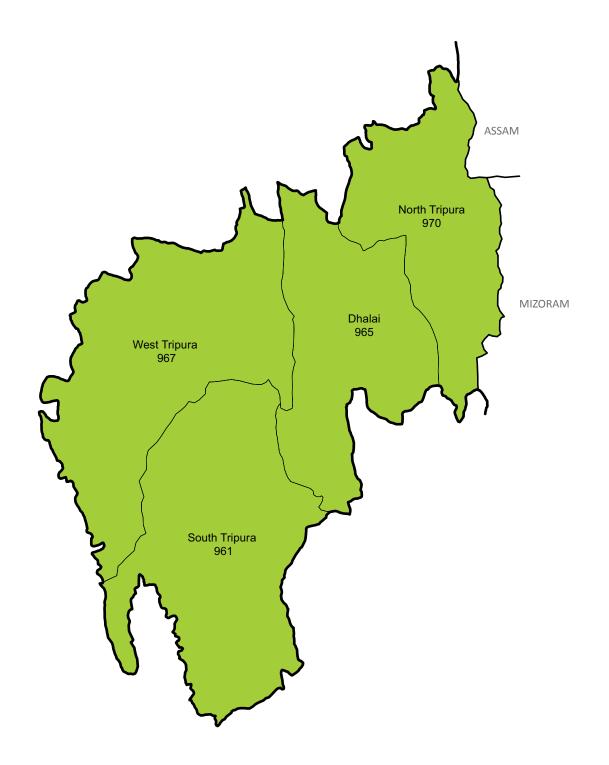
Both urban and rural areas recorded an increase in CSR, the increase being higher for urban areas. With an urban CSR of 974, Mizoram is the only other state next to Nagaland and the Union Territory of Puducherry to achieve an urban CSR above 970.

Of the total eight districts, five districts showed an increase in CSR. Mamit recorded the highest increase of 42 points pulling the district CSR above 950 girls per 1000 boys. From Mamit in the north and Lawngtlai in the south, the locus of the problem in 2011 seems to have shifted to their respective neighbours Serchhip and Saiha. CSR in Serchhip recorded a moderate decline of 25 points.

CHILD SEX RATIO

- Below 800
- 800-849
- 850-899 900-949
- 300 3 13
- 950 and above





urban areas.

trends so far.

respectively. This fall in CSR in two large districts points to a possible future worsening of the problem, though overall the state reflects normal

West Tripura 952

951

Below 800 800-849 850-899

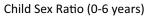
CHILD SEX RATIO

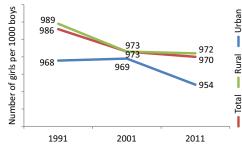
900-949

950 and above

Meghalaya



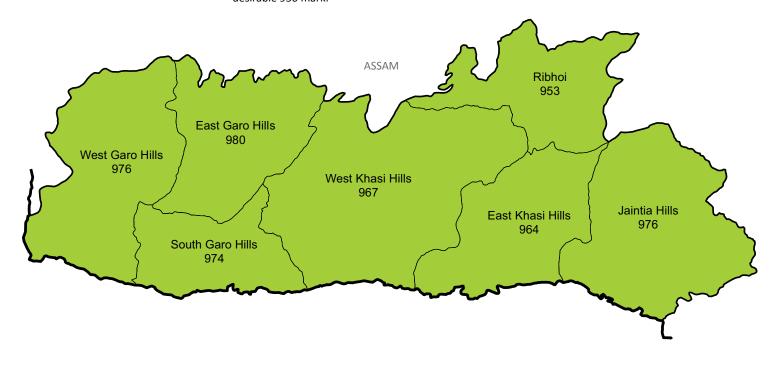




The CSR in Meghalaya dropped from 986 girls to 1000 boys in 1991 to 973 in 2001 and further to 970 in 2011. Urban CSR declined by 15 points to reach 954.

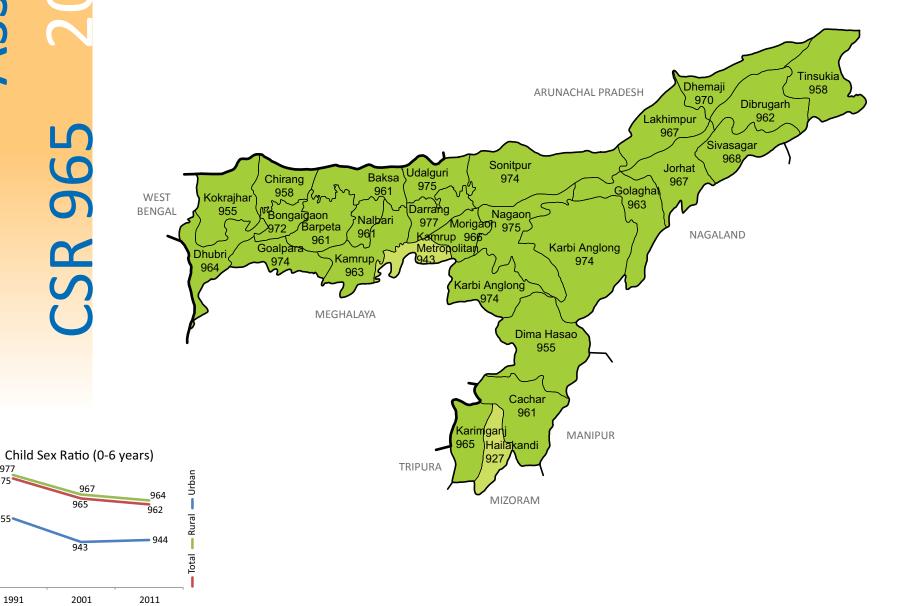
Jaintia Hills and Ribhoi recorded a moderate decline of 19 points. East Khasi Hills and West Khasi Hills also recorded declines in CSR. Conversely, West Garo Hills showed an increase in CSR from 959 to 976 girls per 1000 boys.

Although early signs of a possible future decline were visible, overall the ratio in all districts remained above the desirable 950 mark.



CHILD SEX RATIO

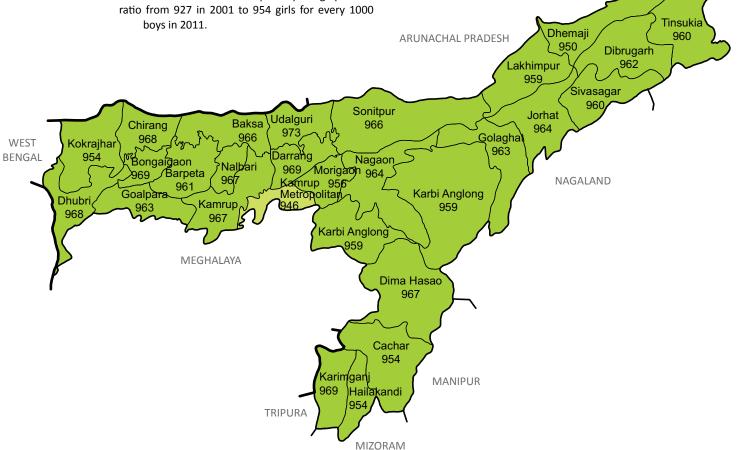
- Below 800
- 800-849
- 850-899 900-949
- 950 and above



Number of girls per 1000 boys

Though above 950, the CSR in Assam dropped from a desirable 975 in 1991 to 962 in 2011. The CSR in urban areas recorded a 1 point increase, continuing to remain below 950, while that in rural areas decreased by 3 points.

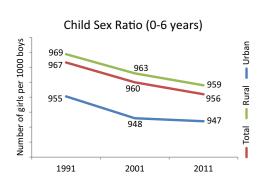
Of the total 27 districts in the state, 14 districts showed a decline in CSR. Dhemaji to the east and Karbi Anglong bordering Meghalaya experienced declines in CSR by 20 and 15 points respectively. Kamrup Metropolitan continued to be the only district in the state to have less than 950 girls per 1000 boys. Hailakandi to the south achieved an increase of 27 points pulling up the district ratio from 927 in 2001 to 954 girls for every 1000 boys in 2011.



CHILD SEX RATIO

- Below 800
- 800-849
- 850-899
- 900-949
- 950 and above

West Benga





SIKKIM Darjiling 953 Jalpaiguri 955 **ASSAM** och Bihar BIHAR BD BD The CSR in West Bengal though still above 950 Dinajpu even in 2011, has been declining consistently from 967 Dakshin Dina girls for every 1000 boys in 1991 Maldah to 960 in 2001, and further to 956 950 in 2011. The decline was observed across both rural and urban areas. Districts that recorded moderate fall included Jalpaiguri, Koch Bihar, Uttar Dinajpur, Maldah, Nadia and Puruliya. In 2011, Bankura to the south and Koch Murshidabad Bihar to the northeast joined Purba **JHARKHAND** Medinipur as the three hotspots in Birbhum the state with CSR below 950. Only 959 five districts experienced a negligible increase in CSR, including Howrah and Kolkata, where the CSR increased Barddhaman Nadia marginally by six points. Puruliya 960 953 Bankura 949 Hugli 952 North Twer Four Parganas Paschim Medinipur Howrah, 956 963 BD - Bangladesh 933 South Twenty K - Koch Bihar Purba **ODISHA** Medinipur



Below 800

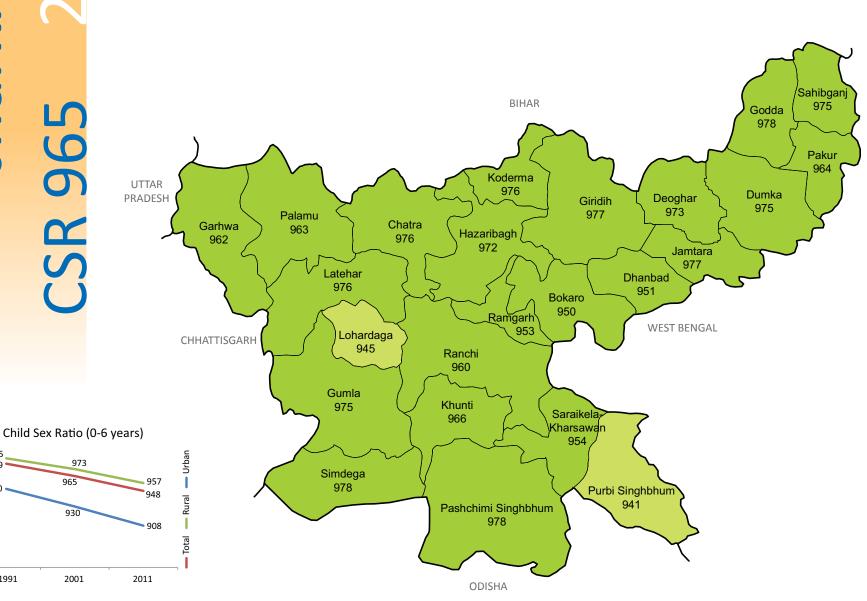
800-849

900-949

950 and above

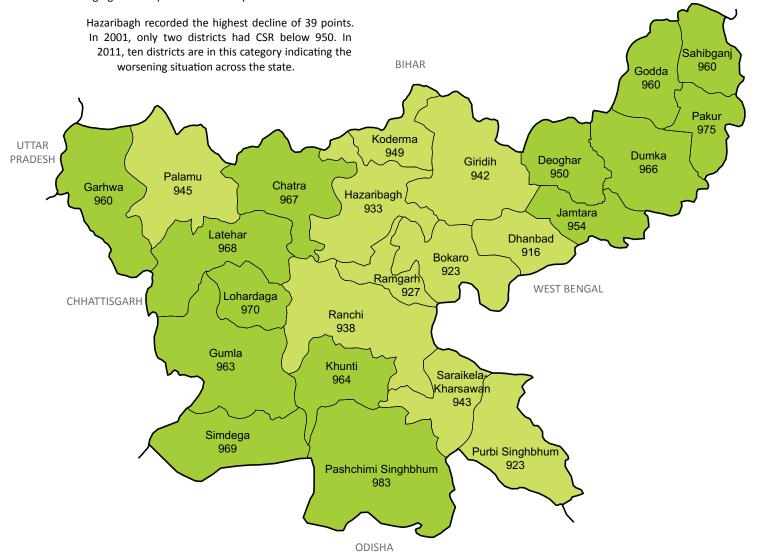
850-899

Jharkhand



Number of girls per 1000 boys

Nearly all 24 districts, except Lohardaga, Pakur and Pashchimi Singhbhum located in three different regions of the state, recorded a decline in CSR. Districts such as Giridih, Dhanbad, Bokaro, Koderma, Hazaribagh and Ramgarh, and the capital Ranchi, lying in a contiguous cluster experienced moderate to sharp fall in CSR ranging from 22 points to over 35 points.



CHILD SEX RATIO

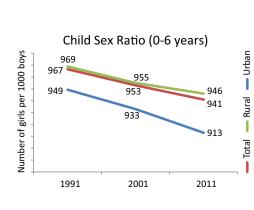
Below 800

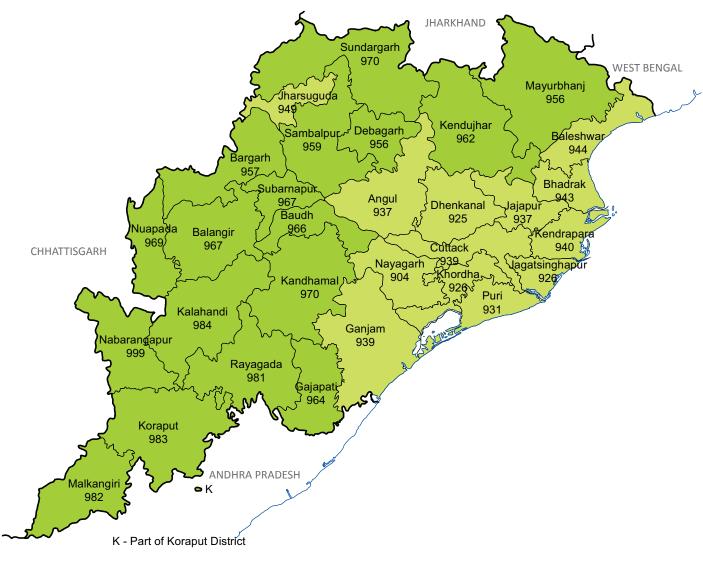
800-849

850-899

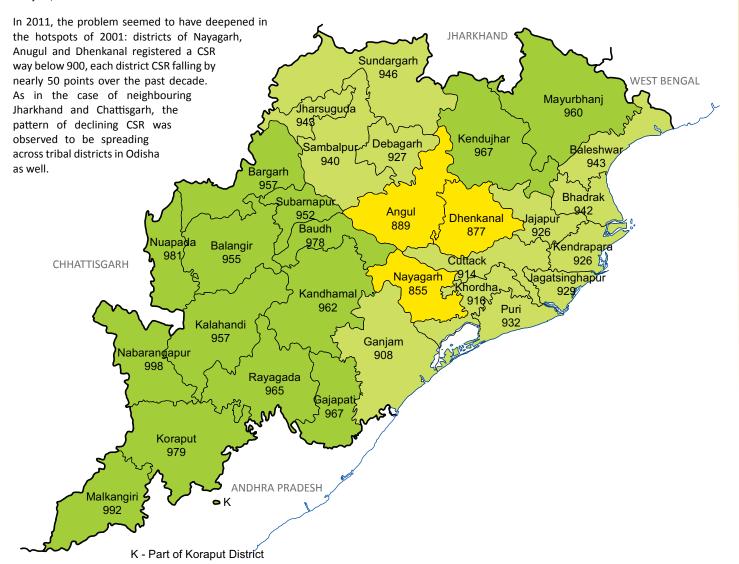
900-949

950 and above





In 2011 the problem no longer remained limited to coastal districts alone as was the case in 2001. Other districts that reflected sharp drops in 2011 CSR included Debagarh, Sambalpur, Sundargarh in the north, Cuttack in the east and Kalahandi, Rayagada and Ganjam, in the south.



CHILD SEX RATIO

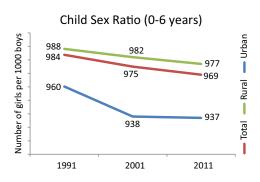
Below 800

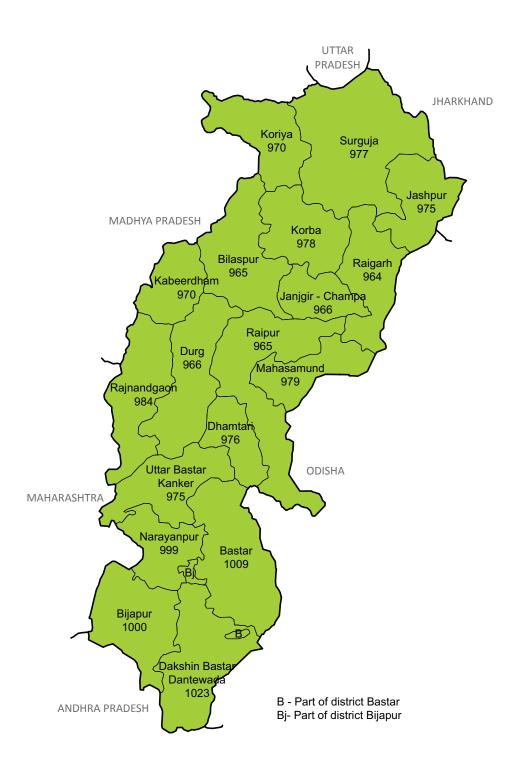
800-849

850-899

900-949

950 and above



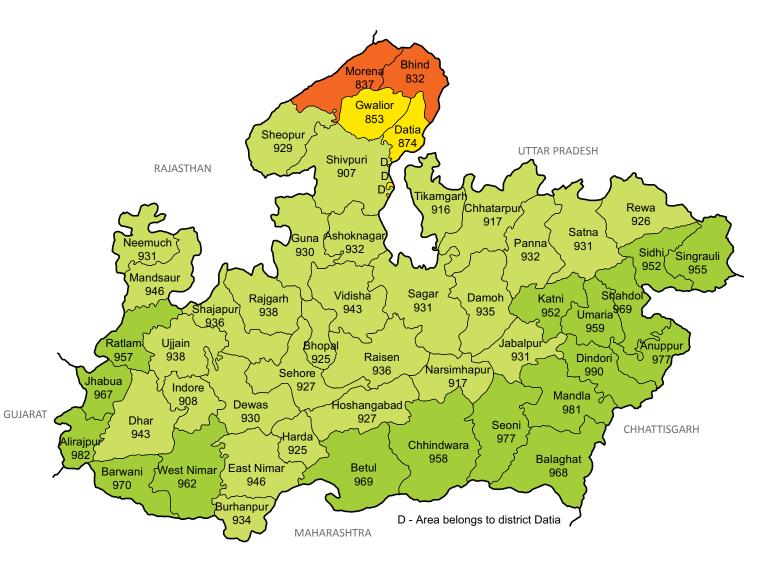


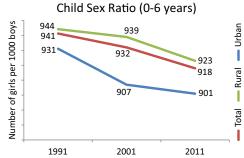
UTTAR PRADESH **JHARKHAND** Koriya Surguja 968 962 Jashpur Chhattisgarh 980 experienced MADHYA PRADESH a decline in CSR Korba from 975 girls 966 per 1000 boys Bilaspur Raigarh 961 in 2001 to 969 947 Kabeerdham in 2011. Both rural and 983 Janjgir - Champa urban ratios registered a 950 downward slide. Raipur Most of the districts 968 Durg recorded a decline in CSR in 963 **Mahasamund** 2011. In 2001, all districts had 971 CSR above 950 with three Rajnandgaøn districts, Bastar, Dakshin Bastar 986 Dantewada and Bijapur recording CSR Dhamtar above 1000. In 2011, Raigarh emerged 973 as a hotspot with 947 girls for 1000 boys, a fall of 17 points. Dakshin Bastar Uttar Bastar **ODISHA** Dantewada continued to have CSR Kanker above 1000, though with a decline MAHARASHTRA of 18 points. Other districts from south to north that Narayanpur showed declines in CSR of 15 points or 989 Bastar more included Bijapur, Bastar, Janjgir-Champa 994 and Surguja pointing to a negative change in tribal areas as well. Bijapur 978 **B** Dakshin Bastar Dantewada 1005 B - Part of district Bastar ANDHRA PRADESH Bj- Part of district Bijapur

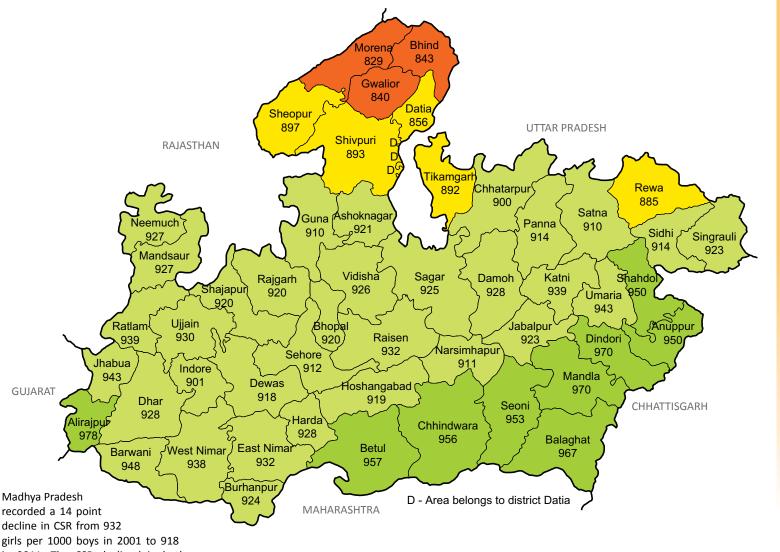
CHILD SEX RATIO

- Below 800
- 800-849
- 850-899
- 900-949
- 950 and above

Madhya Pradesh







in 2011. The CSR declined in both

rural and urban areas with rural CSR recording a higher degree of decline of 16 points.

Nearly all districts, recorded a decline in CSR with Rewa recording the highest decline of 41 points from 926 in 2001 to 885 in 2011 and emerging as a new hotspot in the east. Bhind is the only district that showed a modest 11 point increase in CSR, yet continuing to be in the 'red' zone with CSR of 843. A contiguous spread is visible in the north starting from the 2001 hotspots of Bhind and Morena moving further inward to Gwalior, Sheopur, Shivpuri, Datia and Tikamgarh. A similar pattern is seen in the south-west with diffusion of the problem from the 2001 hotspot of Dhar to neighbouring districts of Ratlam, Jhabua, Barwani and West Nimar with the exception of Alirajpur. The prosperous district of Indore also registered a further fall in CSR reaching 901 in 2011.

In 2001, 17 districts out of the total 50 districts were in the 'dark green' with CSR above 950. Most of these were tribal districts bordering Rajasthan, Gujarat, Maharashtra and Chhattisgarh. In 2011, only 9 districts, remained in this zone, with the phenomenon of declining CSR engulfing tribal areas and almost the whole state.

CHILD SEX RATIO

Below 800

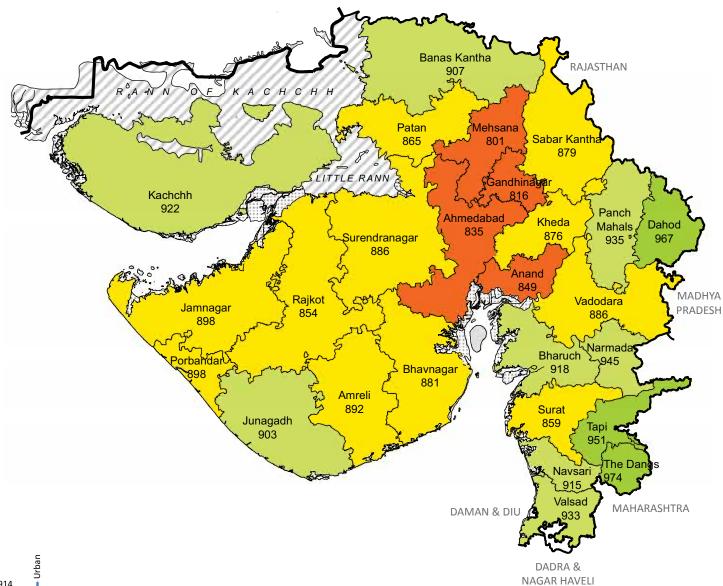
800-849

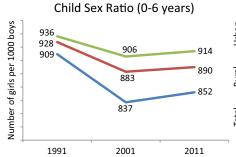
900-949

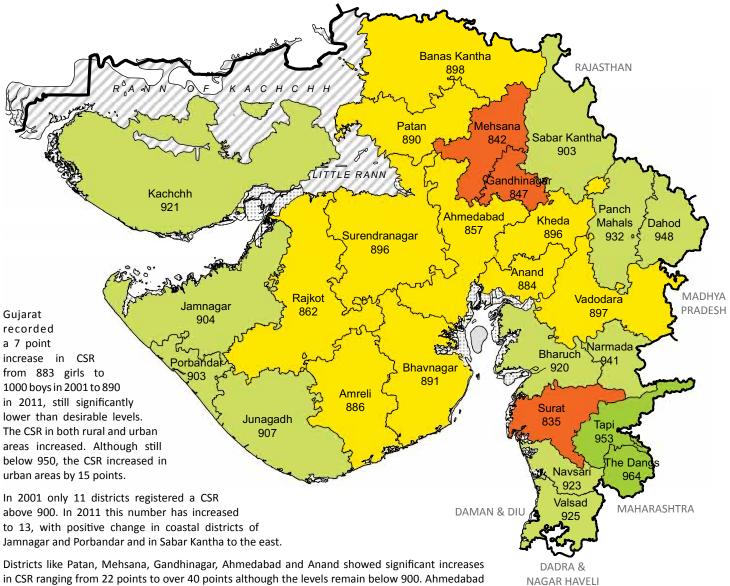
950 and above

850-899

SR 883







and Anand have come out of the 'red zone' with a CSR above 850. However, Surat is now a hotspot registering a fall in CSR by 24 points reaching 835 girls per 1000 boys in 2011.

Notably, a majority of the tribal districts like Panch Mahals, Dahod, the Dangs and Valsad, bordering Madhya Pradesh and Maharashtra, experienced a decline in CSR from 2001 levels, with Dahod recording a fall of 19 points.

CHILD SEX RATIO

Below 800

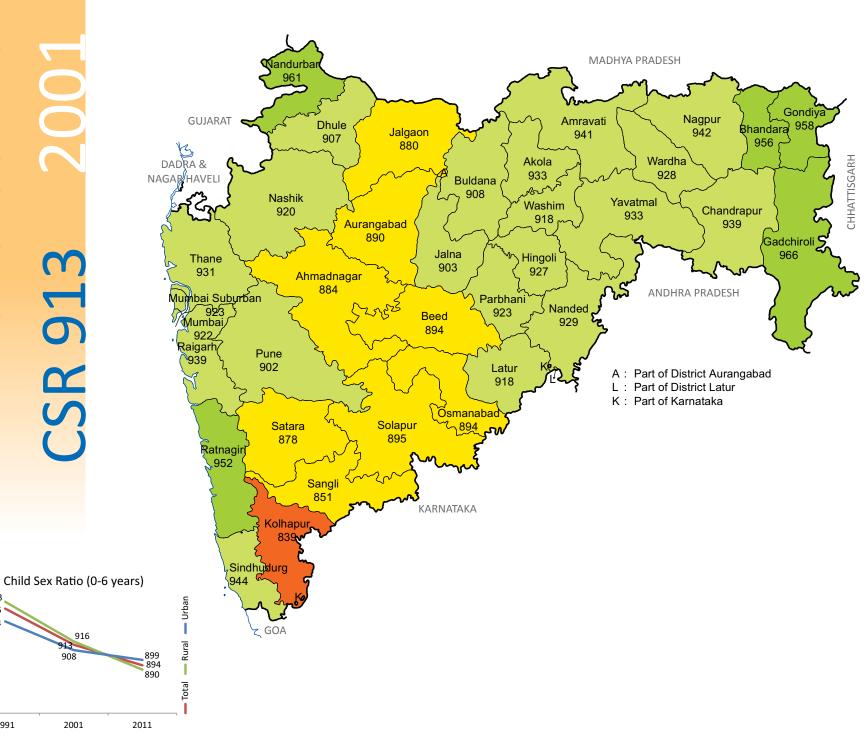
800-849

850-899

900-949

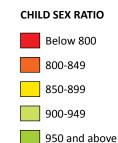
950 and above

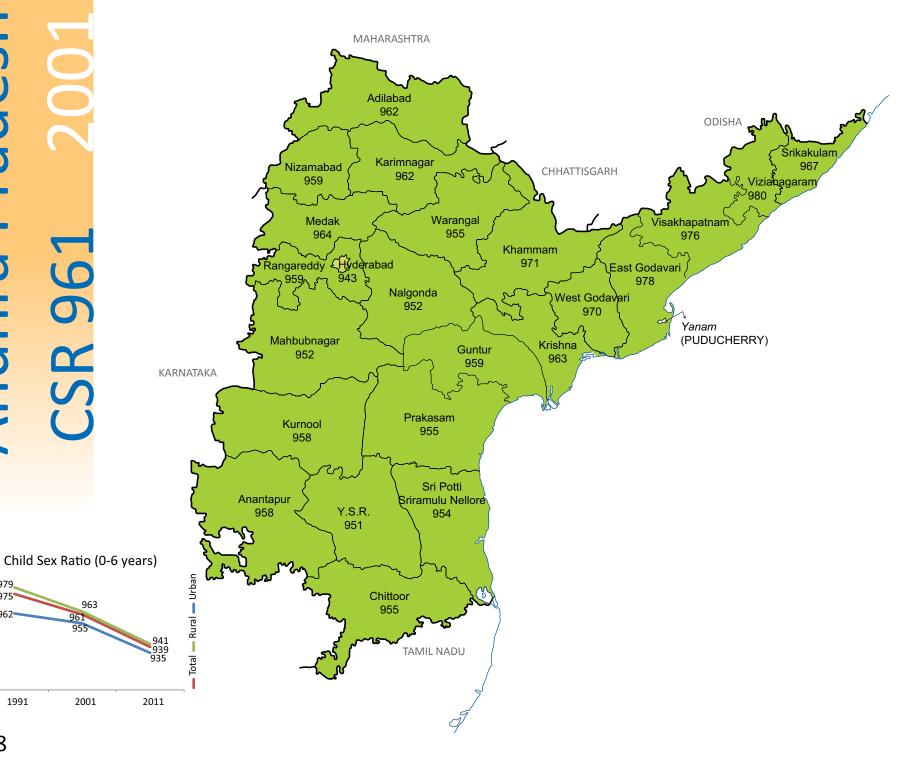
Maharashtra 25R 913



Number of girls per 1000 boys

MADHYA PRADESH Gondiva **GUJARAT** Nagpur Amravati Dhule 956 Bhandara Jalgaon 931 935 898 950 842 DADRA & CHHATTISGARH Akola Wardha 912 919 NAGAR HAVELI Buldana 855 Nashik Yavatmal Washim Chandrapur 890 922 863 ~ 953 Aurangabad 858 Gadchirol Jalna 961 Thane Hingoli 870 882 924 Ahmadnagar 852 ANDHRA PRADESH Mumbai Suburban Parbhani Nanded 884 Beed ¹/Mumbai 910 807 914 Raigarly Pune 883 935 Latur A: Part of District Aurangabad 889 L: Part of District Latur K: Part of Karnataka Ösmanabad Solapur 3867 Satara 895 883 Ratnagir Maharashtra, which had a CSR of 946 in 1991, 936 registered a 19 point decline in CSR from 913 in 2001 to Sangli 867 894 in 2011. The problem is equally severe in rural and urban areas, contrary to popular belief about the urban Mumbai KARNATAKA centric nature of the problem. Kolhapur, The district-wise picture depicted in the map points to the dramatic change in the gravity of the problem. The central belt extending Sindhudurg from Jalgaon in the north to Kolhapur to the south has widened in 2011 with ratios having fallen in additional districts of this belt like Nashik and Pune to the west and Washim, Hingoli, Parbhani and Latur to the east of this central belt. Beed registered drastic decline of 87 points from 894 girls per 1000 boys in 2001 to 807 in 2011. Apart GOA from Beed, Jalgaon also entered the 'red zone' with CSR below 850 girls to 1000 boys. The CSR in almost all districts is now below 950, with most districts entering the range of 850-900. The only exceptions are the remote eastern tribal districts of Gondiya, Gadchiroli, and Chandrapur, where the CSR is equal to 950 or more. Chandrapur in the east, and the cluster of Satara, Sangli and Kolhapur in the south, were the only districts that registered an increase in CSR in the last decade.



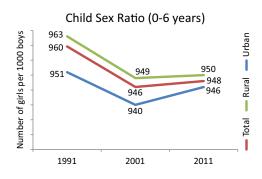


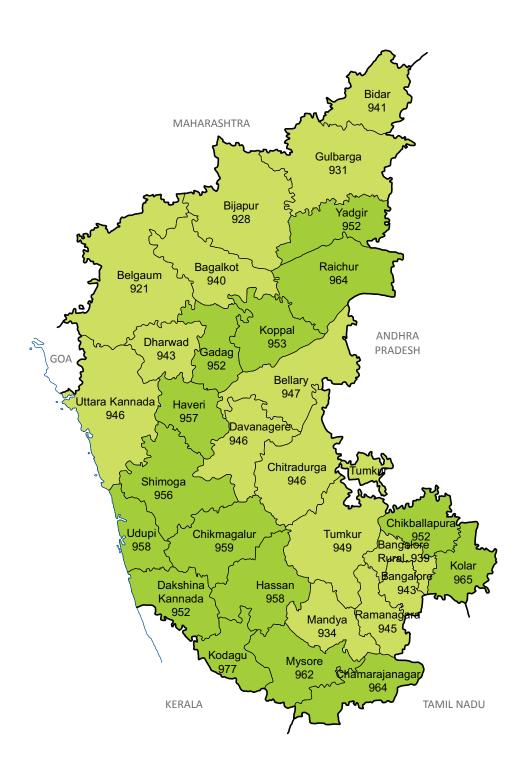
Number of girls per 1000 boys



- Below 800
- 800-849
- 850-899
- 900-949
- 950 and above

Karnataka CSR 946





CHILD SEX RATIO

- Below 800
- 800-849
- 900-949
- 950 and above

850-899

CSR 938

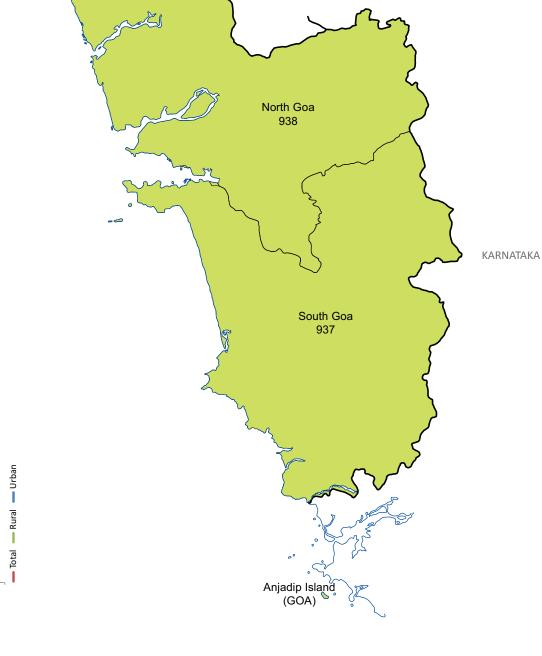
Child Sex Ratio (0-6 years)

952

924

2001

2011



MAHARASHTRA

972 • 964 •

953

1991

Number of girls per 1000 boys

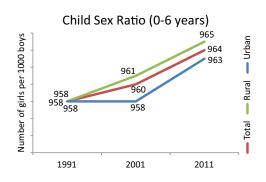
(GOA)

942 2011

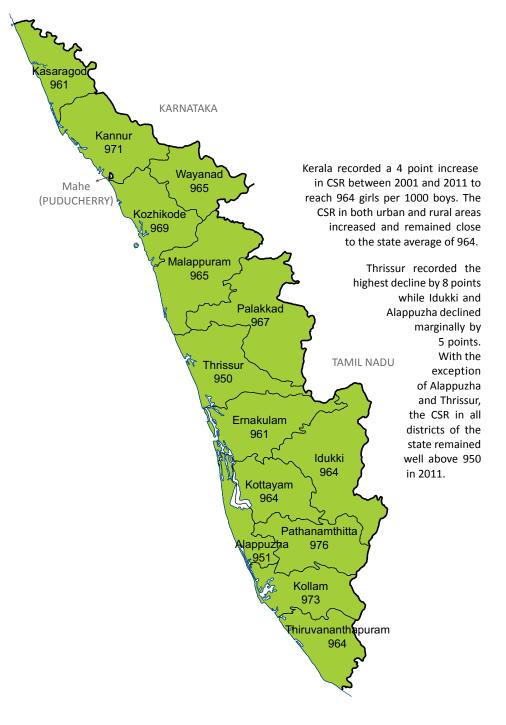
CHILD SEX RATIO

- Below 800
- 800-849
- 850-899
- 900-949
- 950 and above

CSR 960







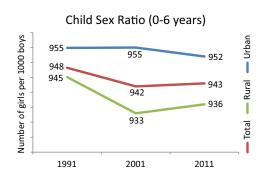
950 and above

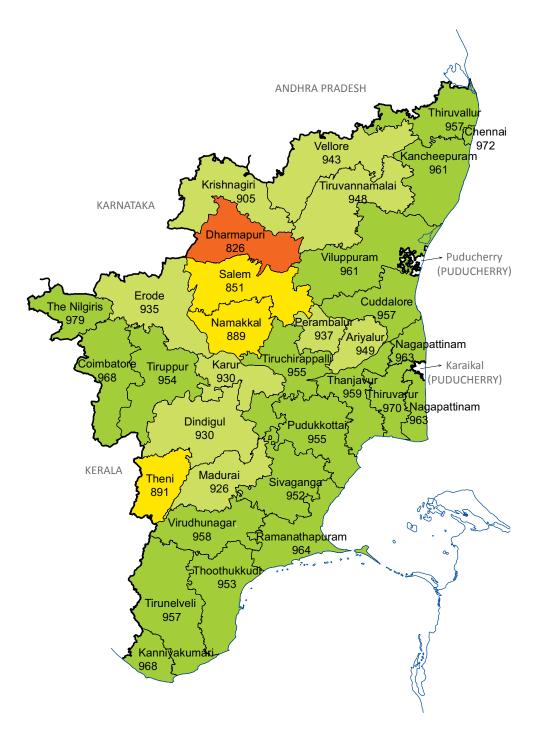
CHILD SEX RATIO

Below 800 800-849

850-899

900-949

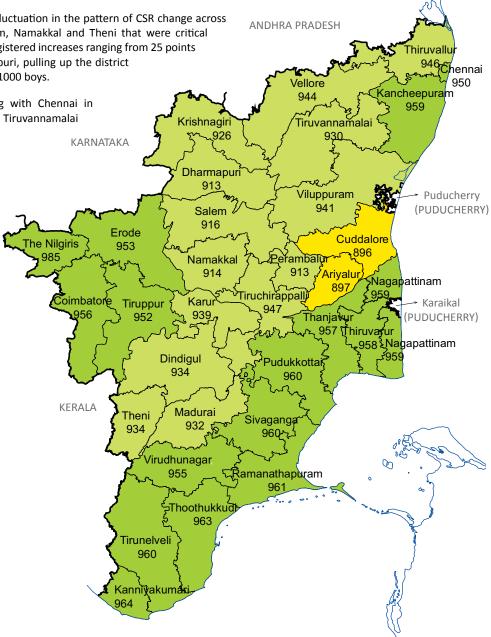




The map reflects significant fluctuation in the pattern of CSR change across the state. Dharmapuri, Salem, Namakkal and Theni that were critical districts in 1991 and 2001, registered increases ranging from 25 points to over 87 points in Dharmapuri, pulling up the district CSR levels above 900 girls to 1000 boys.

On the other hand, starting with Chennai in the north, districts such as Tiruvannamalai

Viluppuram, Perambalur, Ariyalur and Cuddalore registered declines in CSR. These districts form a contiguous cluster, with Cuddalore and Ariyalur emerging as the new epicentres of the problem in the state; a fall by over 50 points, pulling the CSR below 900 in these districts.



CHILD SEX RATIO

Below 800

800-849

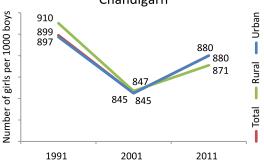
850-899

900-949

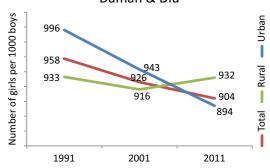
950 and above

Territories Union

Child Sex Ratio (0-6 years) Chandigarh



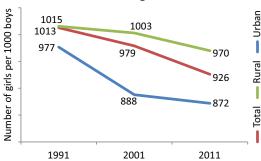
Child Sex Ratio (0-6 years) Daman & Diu

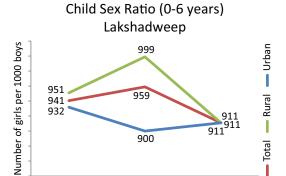


The CSR for Chandigarh reflected much the same trends as its neighbours Punjab and Haryana. For 2011 the CSR increased to 880 girls for 1000 boys from the 2001 level of 845 but still remained below the 1991 ratio of 899. Urban and rural ratios more or less present the same picture as the Union Territories (UT) average. Overall, despite the increase, the CSR in Chandigarh continues to be well below normal levels.

Conversely, the CSR for two coastal UTs of Daman and Diu and Dadra and Nagar Haveli registered a downward trend. It has steadily fallen over the two decades, with a drastic decline registered especially in Dadra and Nagar Haveli from a desirable 979 in 2001 to a very low 926 in 2011. Urban CSR in Daman & Diu dropped sharply by 49 points to below 900, while rural CSR increased by 16 points. In Dadra & Nagar Haveli, both urban and rural CSR declined. Rural CSR fell from an impressive 1003 girls per 1000 boys to 970. Urban CSR fell further from the 2001 level continuing to be below 900.

Child Sex Ratio (0-6 years) Dadra & Nagar Haveli

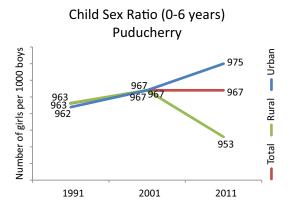




2001

2011

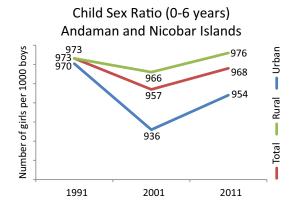
1991



Notably, the island UT of Lakshadweep has also registered an adverse CSR of 911 in 2011 down from the desirable CSRs over the last two decades. While the CSR in urban areas has increased since 2001, the drastic decline in rural ratios by 88 points signals a disturbing trend in the UT.

The UT of Puducherry on the other hand, reflects one of the best CSRs in the country at 967. The trend has remained in the normal range over the last two decades. While urban CSR increased by 8 points, rural CSR dipped by 14 points.

In Andaman and Nicobar Islands the CSR in 2011 made a recovery with the UT average and the urban and rural ratios increasing in the last decade. Rural CSR in 2011 exceeded the level recorded in 1991.



-aw Prohibits Gender Sex Selection sed <u>a</u> <u></u>

The Pre-Natal Diagnostic Techniques (PNDT) (Regulation and Prevention of Misuse) Act came into force in 1994 to regulate the use of diagnostic techniques capable of sex selection. Subsequently, it was amended in 2003 to regulate pre-conception sex selection as well. The Act is now called the Pre-Conception and Pre-Natal Diagnostics Techniques (Prohibition of Sex Selection) Act.

The amended Act not only prohibits determination and disclosure of the sex of the foetus for non-medical reasons but also bans advertisements related to pre-conception and prenatal determination of sex. The Act has made it mandatory for all ultrasound clinics and other diagnostic facilities capable of sex determination, to prominently display a signboard indicating that disclosure of the sex of the foetus is illegal. Further, all such facilities have to be registered with the Appropriate Authority of the district (usually the Chief Medical Officer or the District Magistrate). The manufacturers are required to provide information to the government about the sale of ultrasound machines and other similar equipment.

Under the Act, a medical practitioner violating the Act can face, at first conviction, imprisonment up to 3 years and a fine up to Rs. 10,000. The State Medical Council can suspend the registration of the medical practitioner involved and, at the stage of conviction, can remove his/her name from the register of the Council for 5 years for the first offence and permanently for a subsequent one.

The data used is final data from Census 2011.

In 2001 Census, the figures for India and Manipur exclude the population of Mao Maram, Paomata and Purul sub-divisions of Senapati district of Manipur due to administrative reasons.

The 1991 Census was not held in Jammu & Kashmir.

Maps included in this publication are based upon Survey of India map with the permission of the Surveyor General of India

Territorial waters of India extend into the sea to a distance of twelve nautical miles measured from the appropriate base line. The inter-state boundaries between Arunachal Pradesh, Assam and Meghalaya shown on maps are as interpreted from the North-Eastern Areas (Reorganisation) Act, 1971, but have yet to be verified.







United Nations Population Fund – India