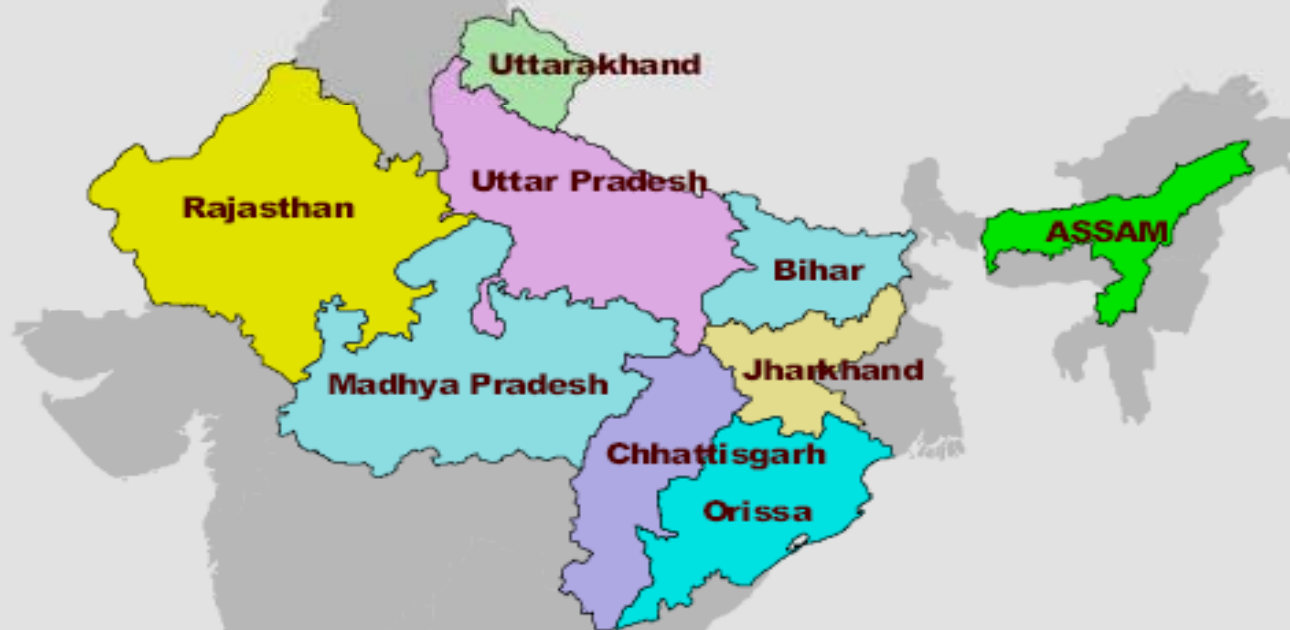




# Annual Health Survey:2010-11

State Institute of Health and Family welfare- Jaipur

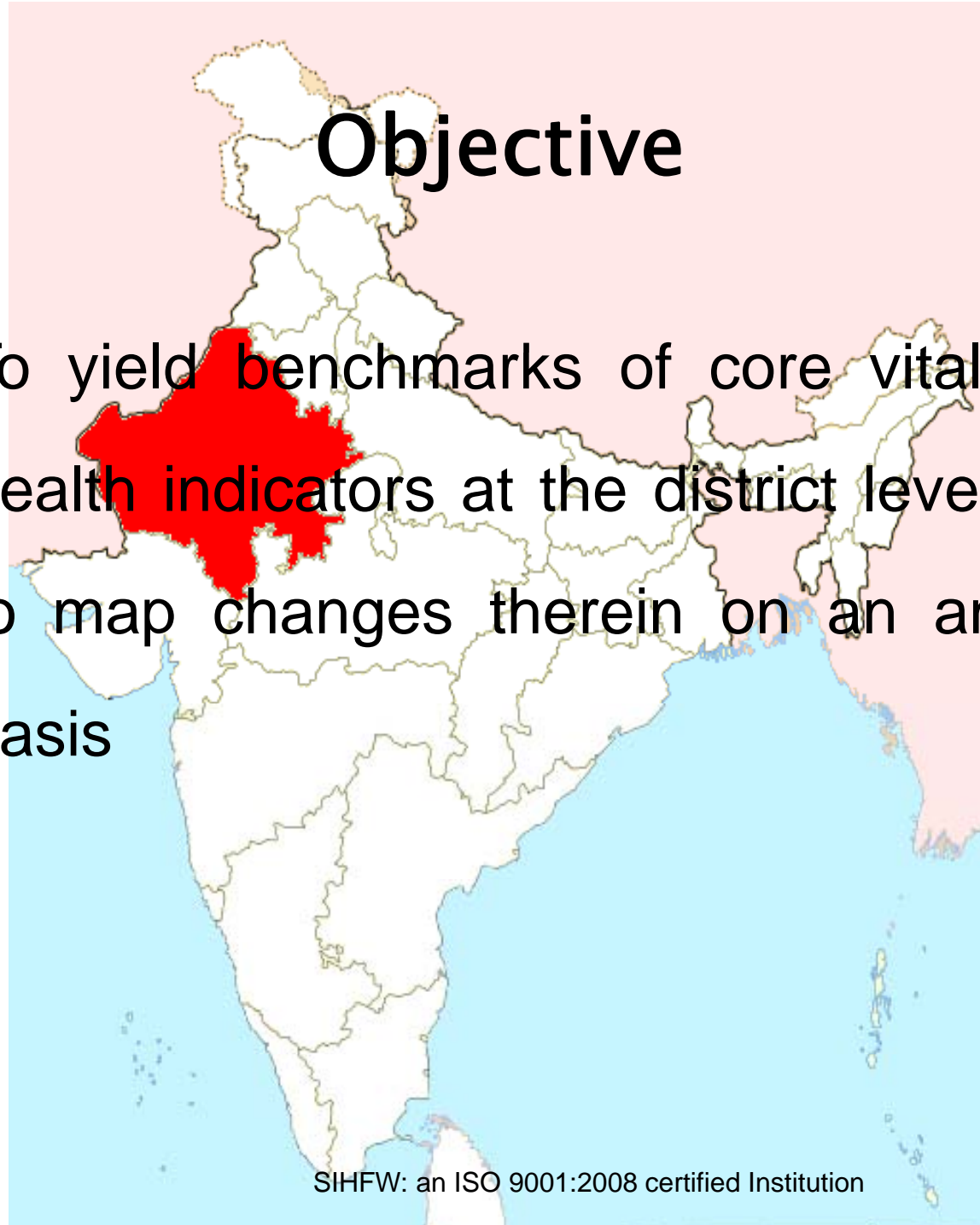
# Annual Health Survey Selected States





# Objective

To yield benchmarks of core vital and health indicators at the district level and to map changes therein on an annual basis



# Background



- Initiated by National Commission on Population , PMO and Planning Commission.
- Entrusted to ORGI [experience of Sample Registration System(SRS)]
- Sponsored by Ministry of Health & Family Welfare(MOHFW)



# Need for AHS

Nine AHS States –

Rajasthan, UP, UK, Bihar, Jharkhand,  
Orissa, MP, Chhattisgarh and Assam

- 48 percent of country's Population
- 59 percent of Births
- 70 percent of Infant Deaths
- 75 percent of Under 5 Deaths
- 62 percent of Maternal Deaths



## Justification:

- large inter-district variations.
- In the absence of District level vital data, State level estimates from Sample Registration System (SRS) are used for formulating district level plans.

# Key features



- **Coverage-** All the 284 districts of 8 EAG States and Assam
- **Sample Units-** 20,694 statistically selected sample units (Census Enumeration Blocks in urban areas and Villages in rural areas)
- **Sample Population-** About 18.2 million
- **Sample Households-** 3.6 million households
- Average Sample households per district- About 13 thousand
- Largest Sample Survey in the World



- **Sample Size-** District level sample size is based on Infant Mortality Rate
- **Field Work-** Hybrid approach wherein fieldwork has been outsourced and supervision done by the ORGI
- **Third Party Audit-** Third Party Audit was implemented under AHS to verify the correctness of data through an independent arrangement.
- This was over and above the regular supervision by ORGI
- Exhaustive Training manual and three days ToT, state/zone level training



# Allocation of sample

- **India (9 States)**
  - Districts: 284
  - Total Sample Population: 18127089
  - No. of households: 3625418
- **Rajasthan**
  - Districts: 32
  - Total Sample Population: 1621710
  - No. of households: 324342



# Survey tools

- **The baseline survey**
  - Nine States
- **Time frame**
  - July 2010-March 2011
- **Four type of Schedules administered**
  - House listing
  - Household
  - Women
  - Mortality



# Indicators covered

- Crude Birth Rate (CBR)
- Crude Death Rate (CDR)
- Infant Mortality Rate (IMR)
- Neo-Natal Mortality Rate (NNMR)
- Under Five Mortality Rate (U5MR)
- Maternal Mortality Ratio(MMR)( only for Zone)
- Sex Ratio
  - at Birth (SRB)
  - 0-4 years & All ages

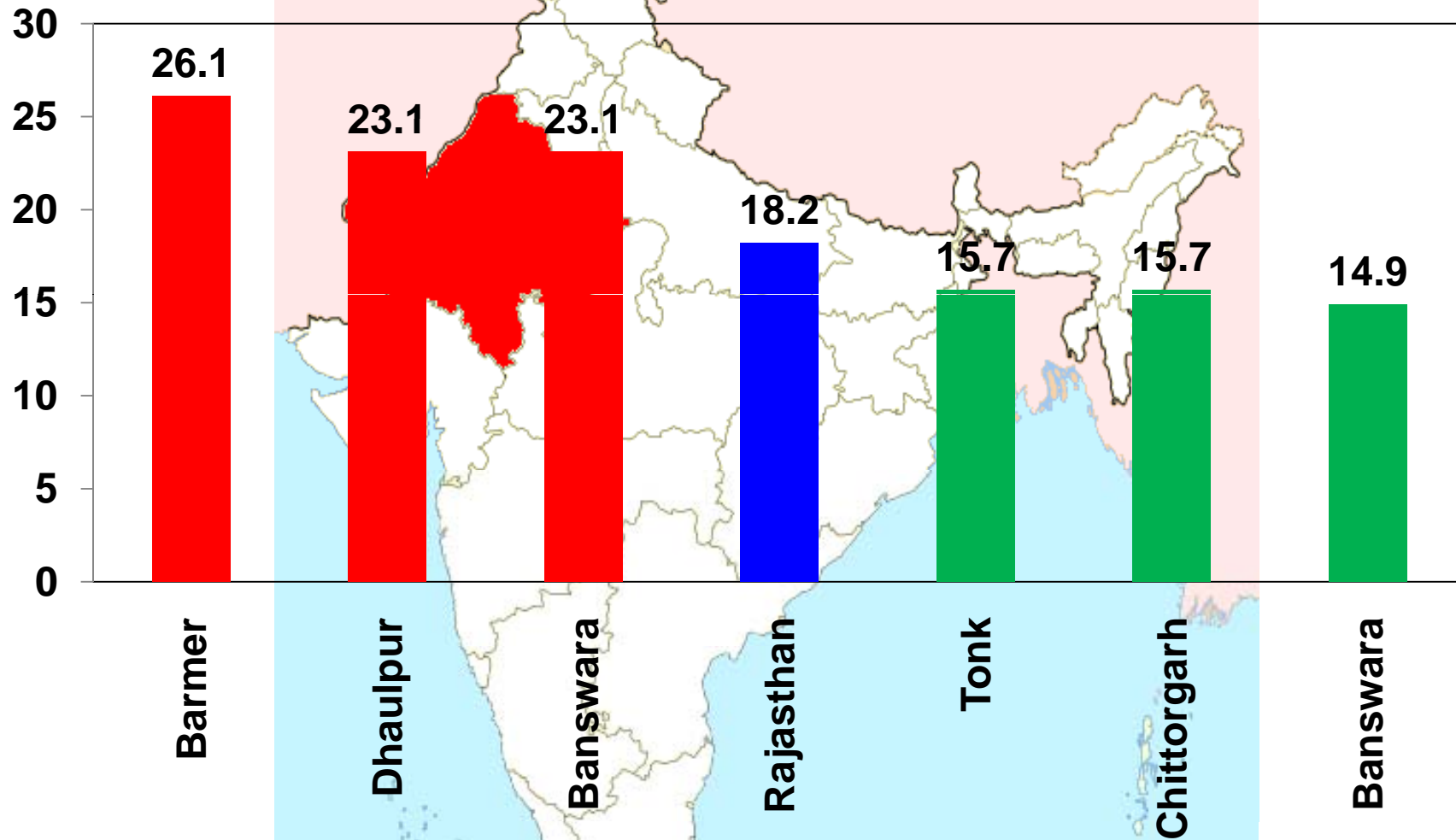


# Rajasthan: District wise findings

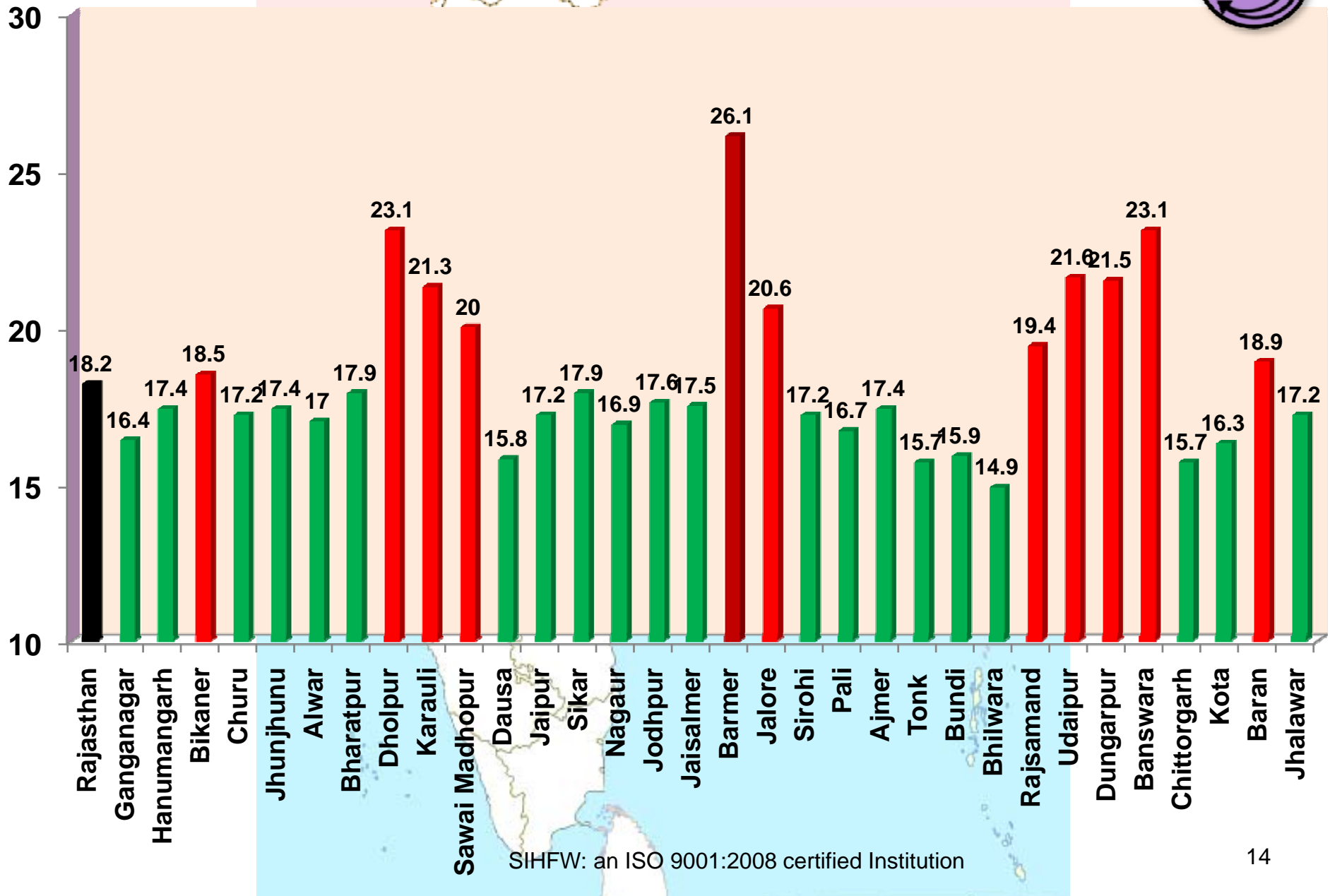




# Natural Growth Rate

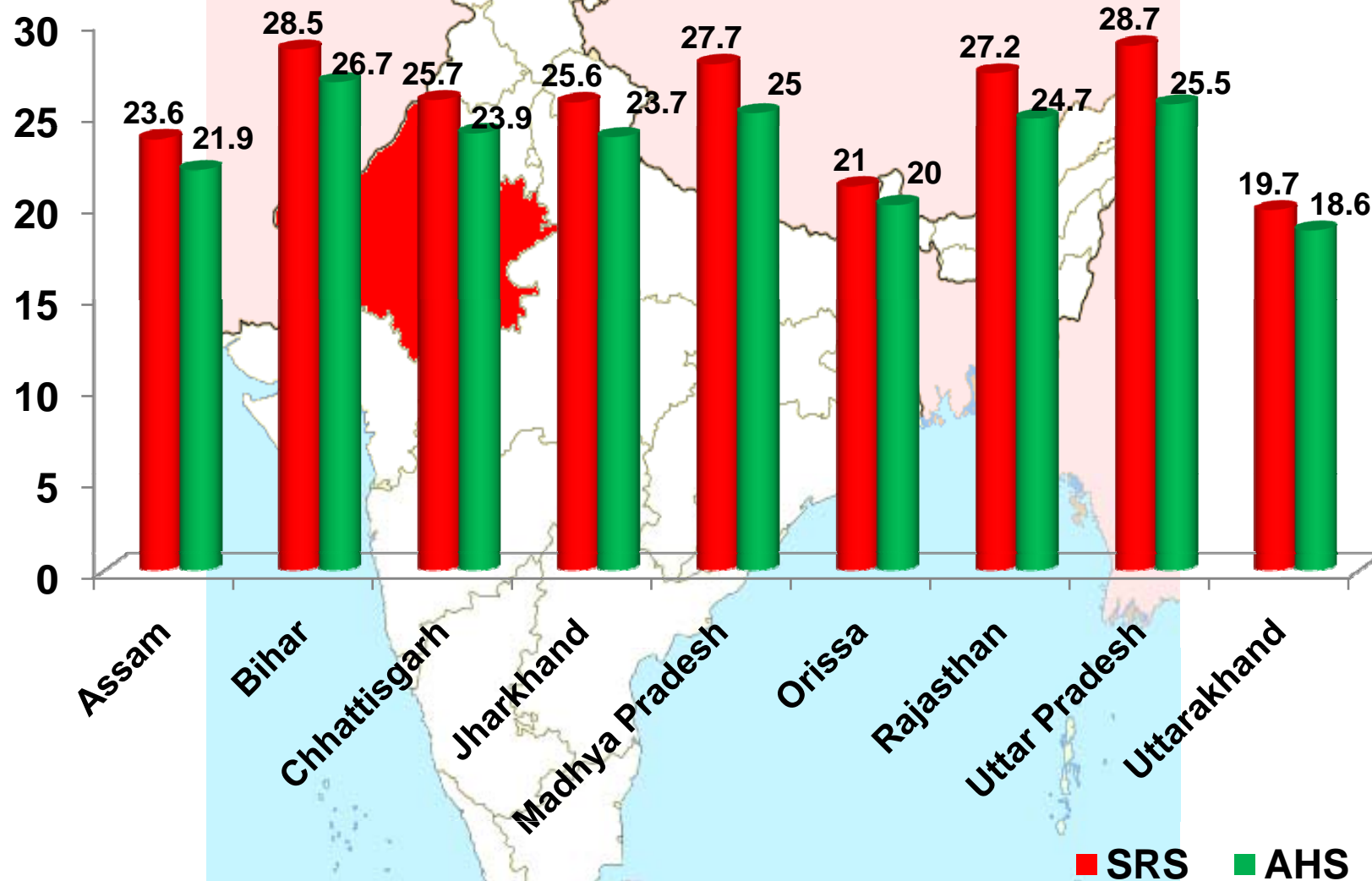


# Natural Growth Rate

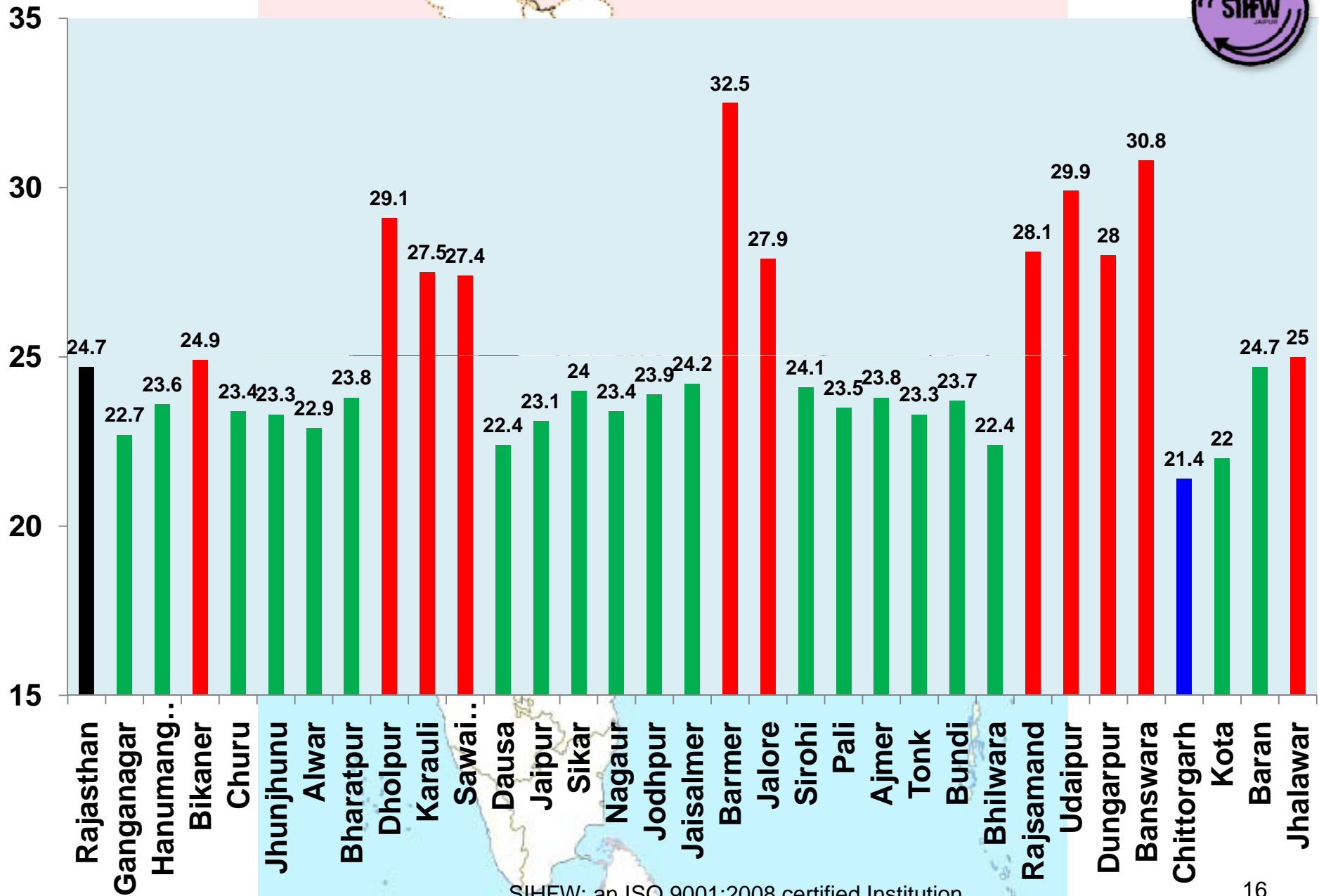


# CBR (AHS-states)

source: SRS-09 & AHS-2010-11

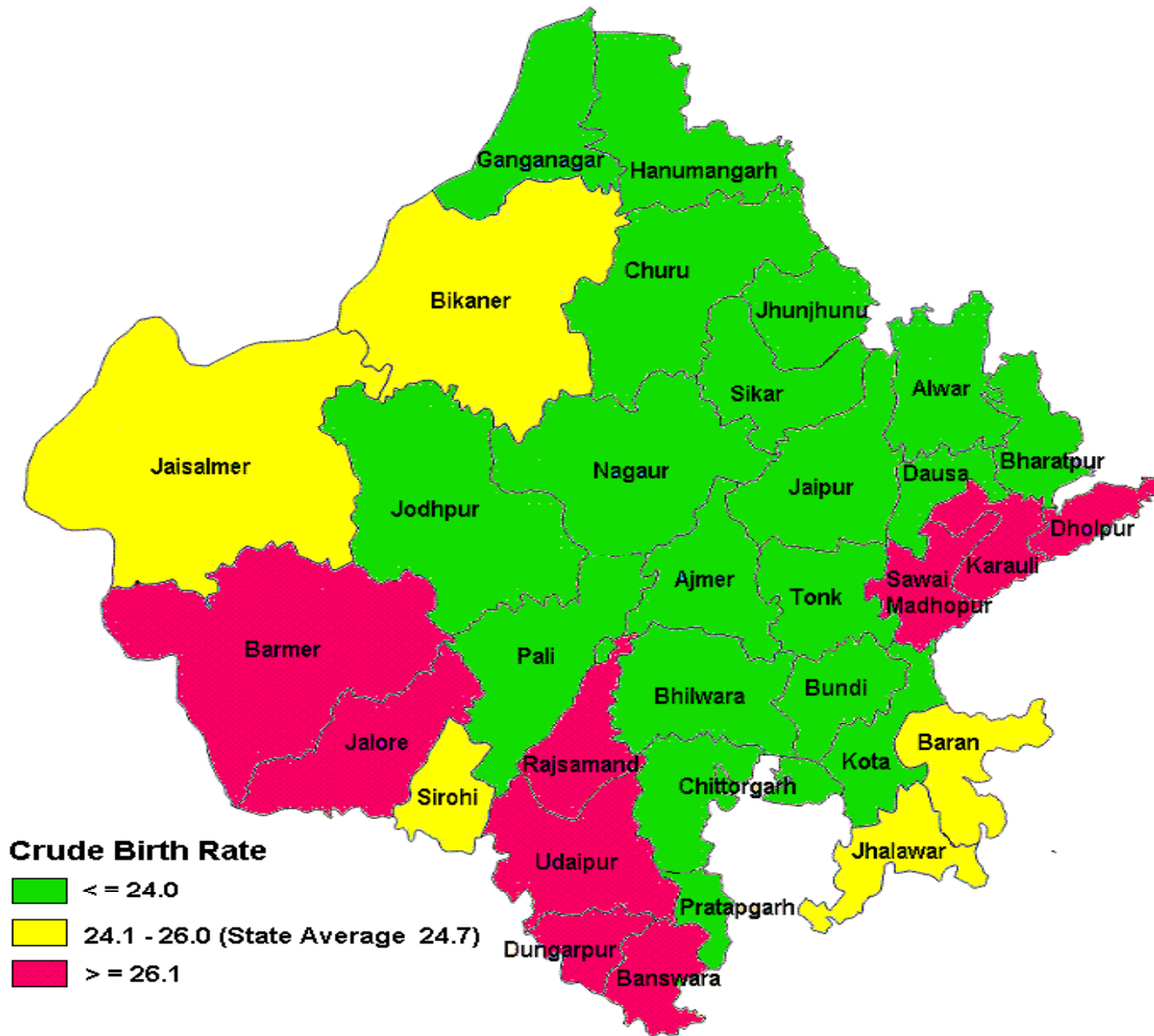


# Crude Birth Rate

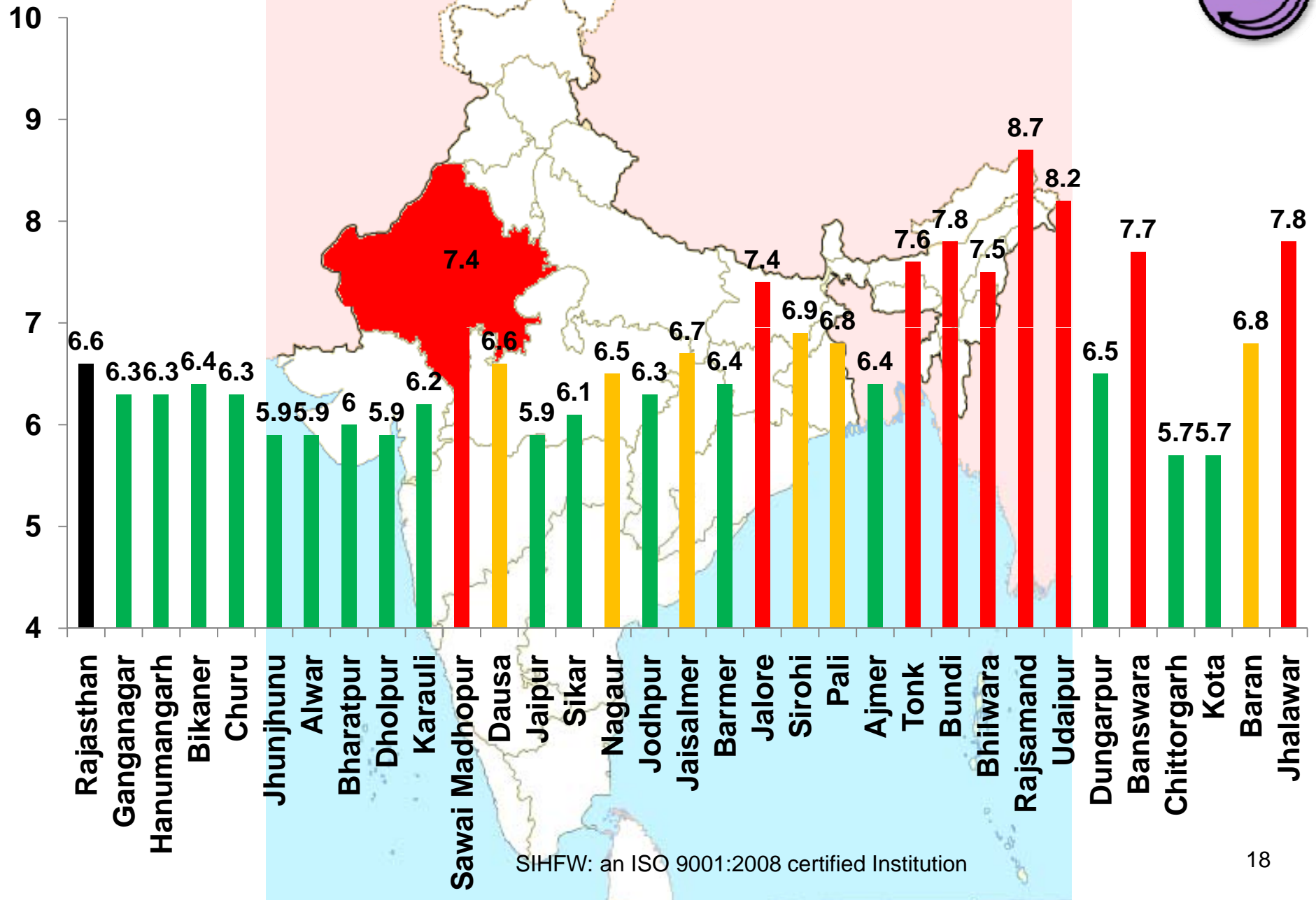




# Crude Birth Rate

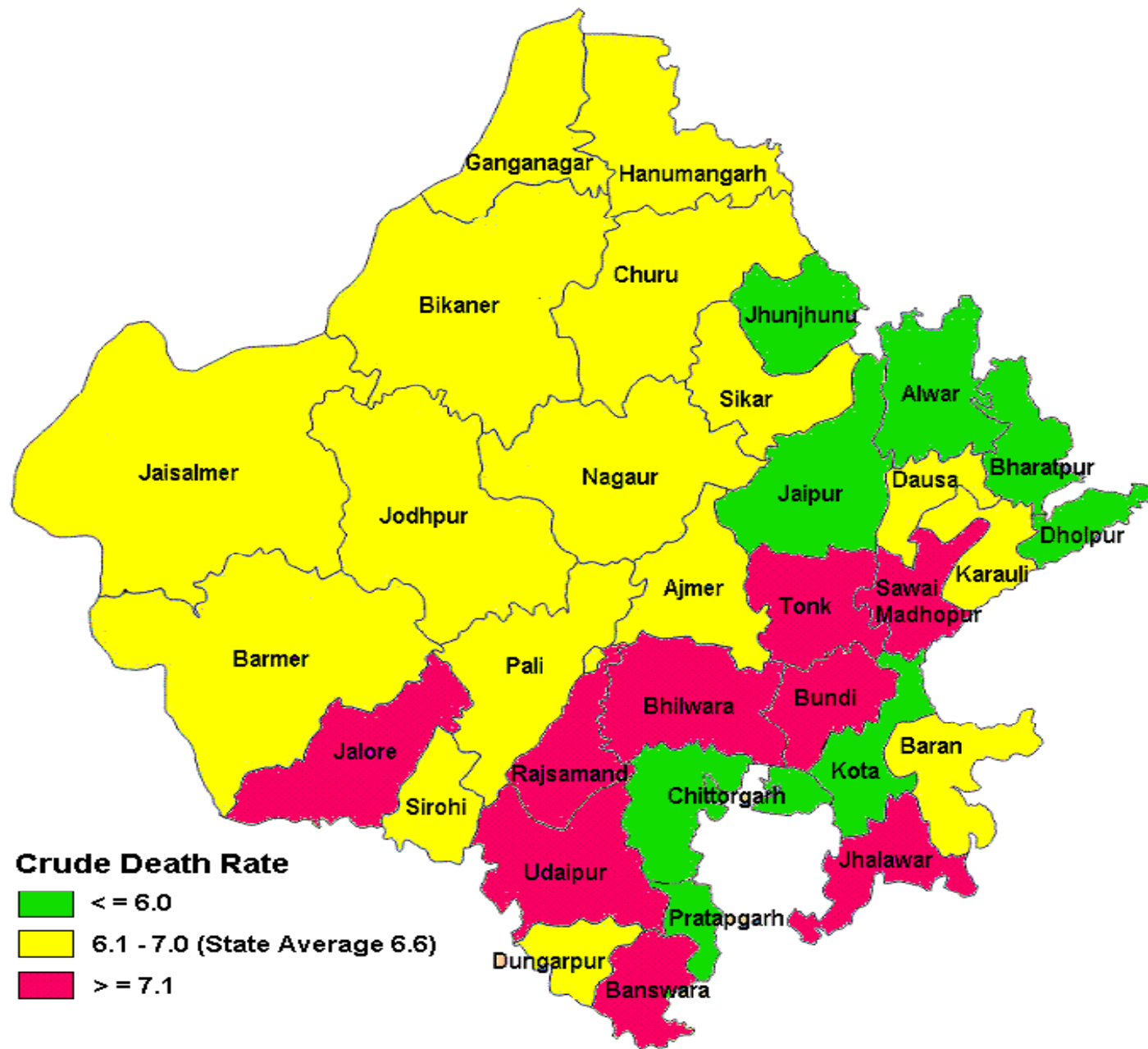


# Crude Death Rate



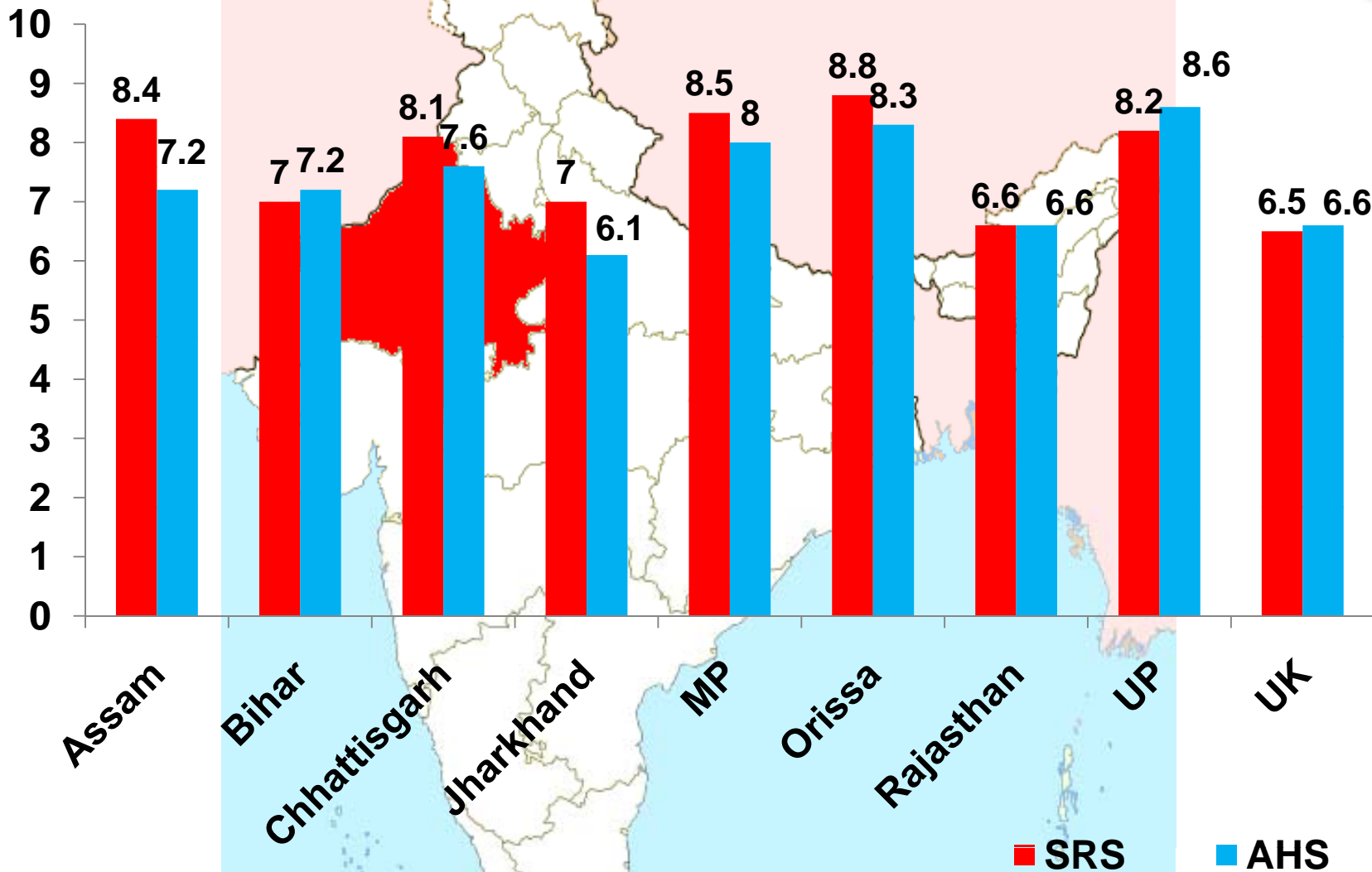


# Crude Death Rate

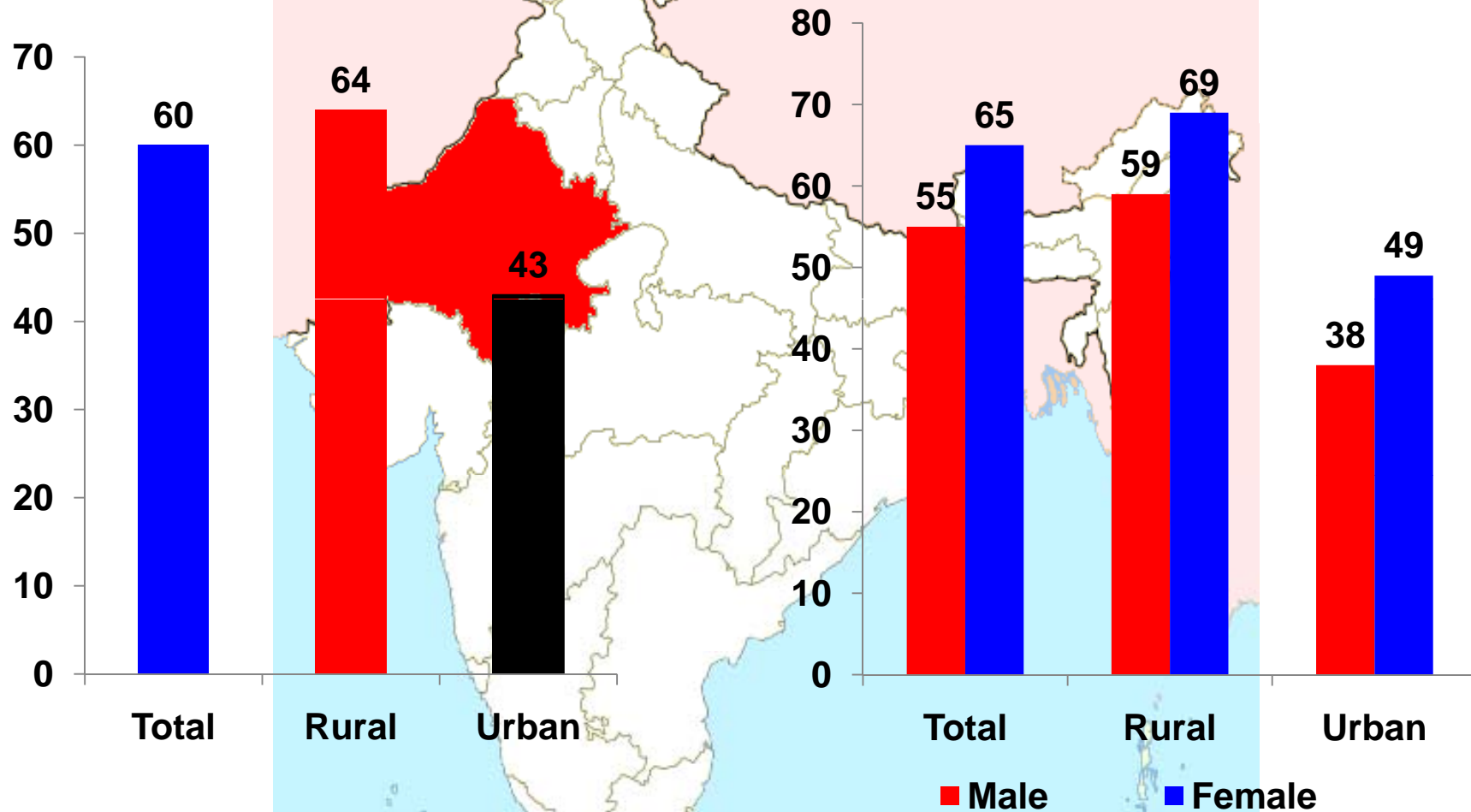


# CDR (AHS-states)

source: SRS-09 & AHS-2010-11



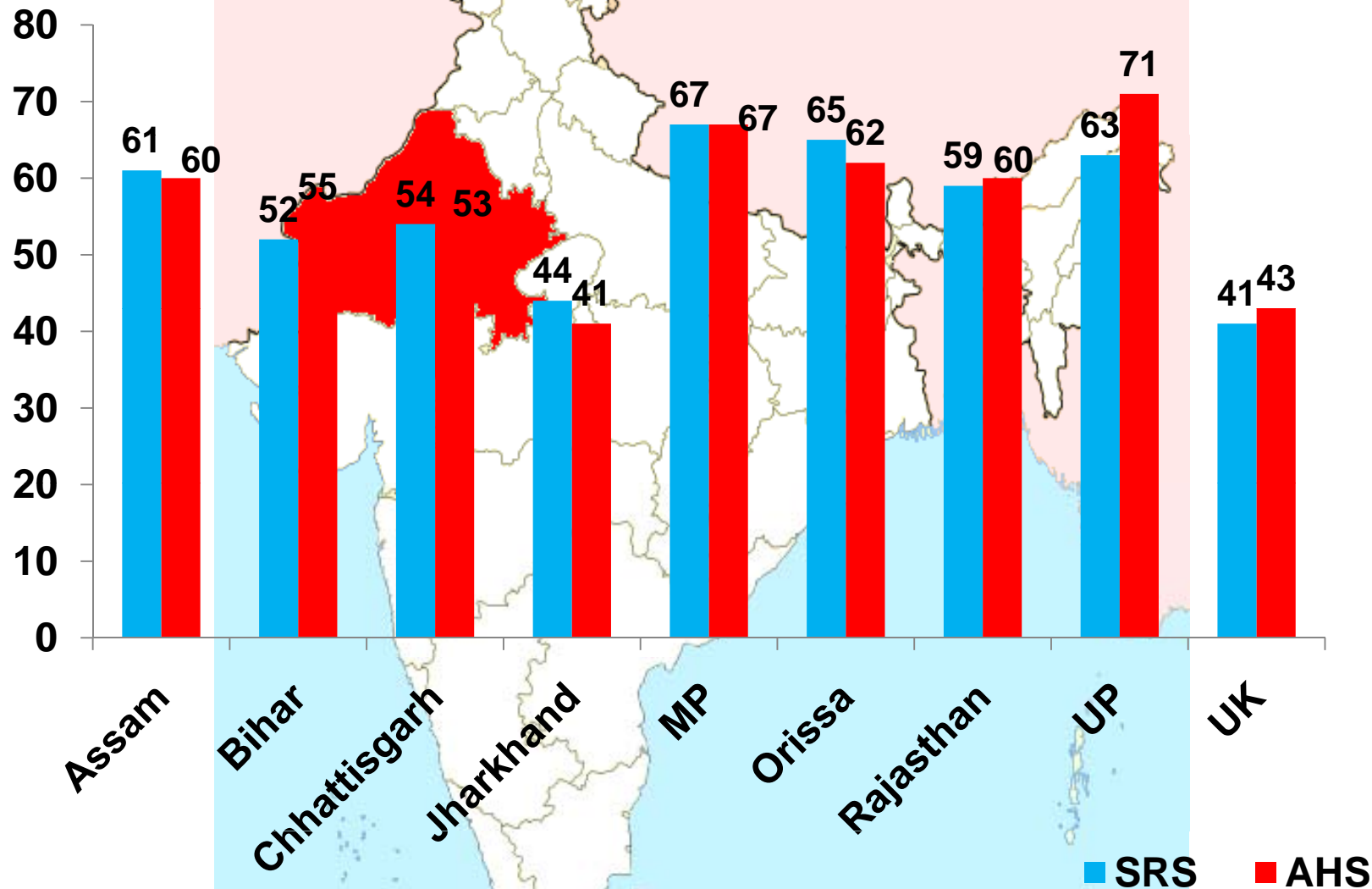
# Infant mortality Rate (Raj)





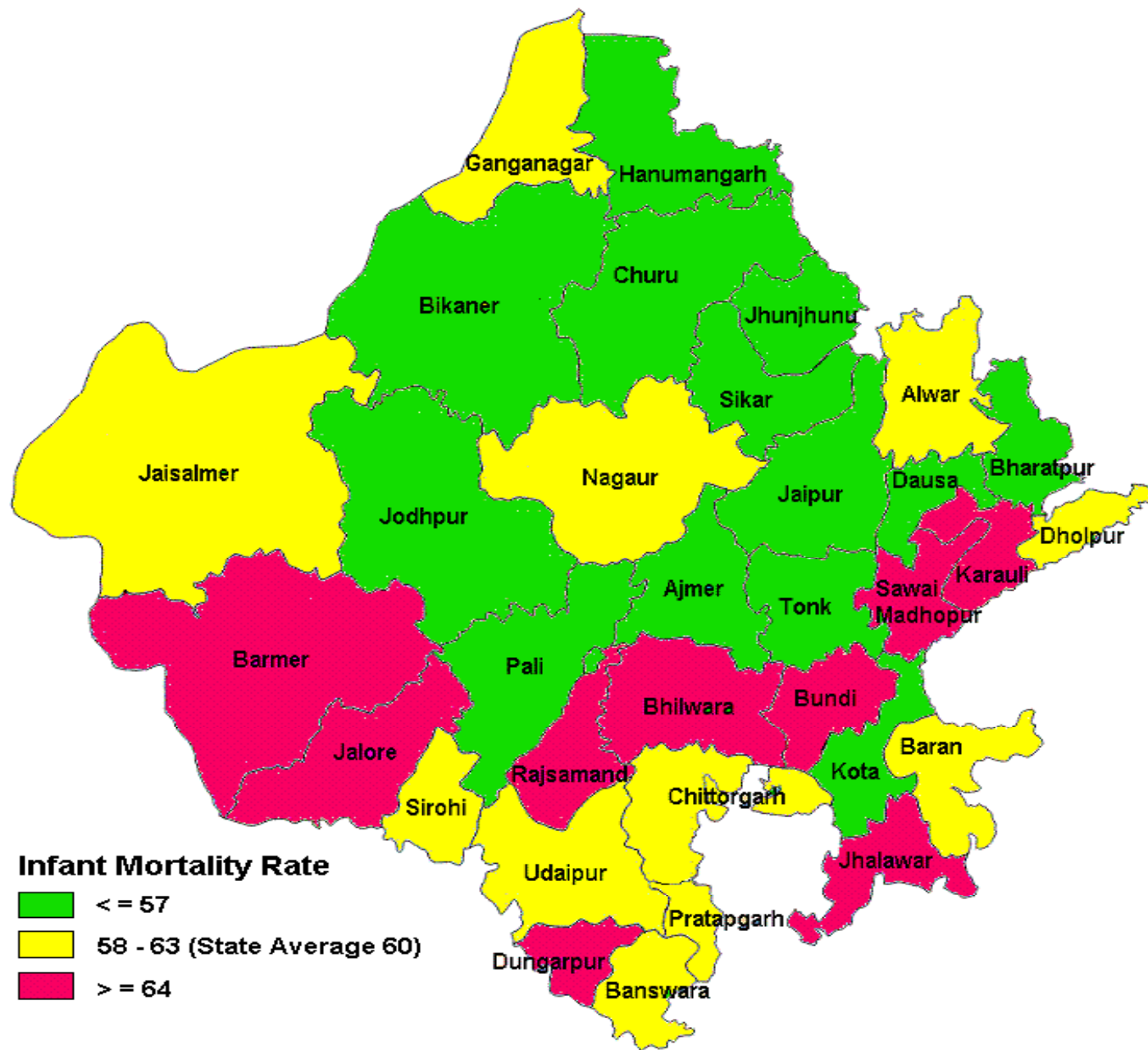
# IMR (AHS-states)

source: SRS-09 & AHS-2010-11



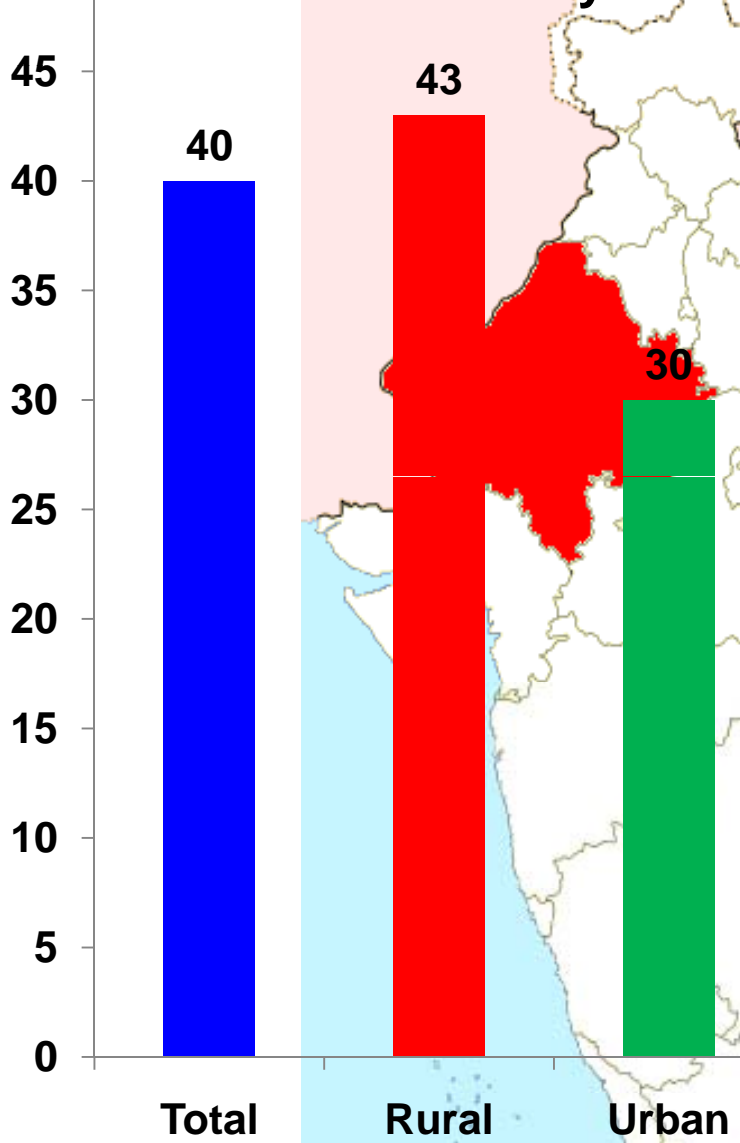


# Infant Mortality Rate

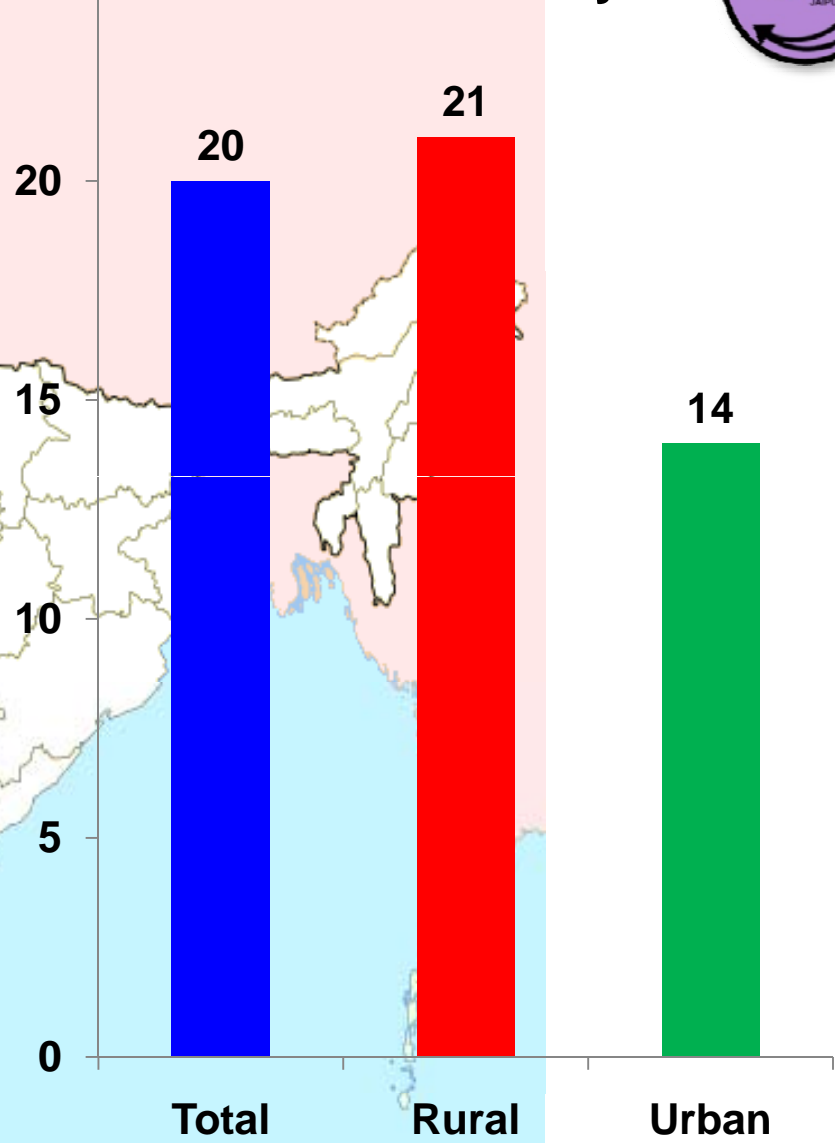




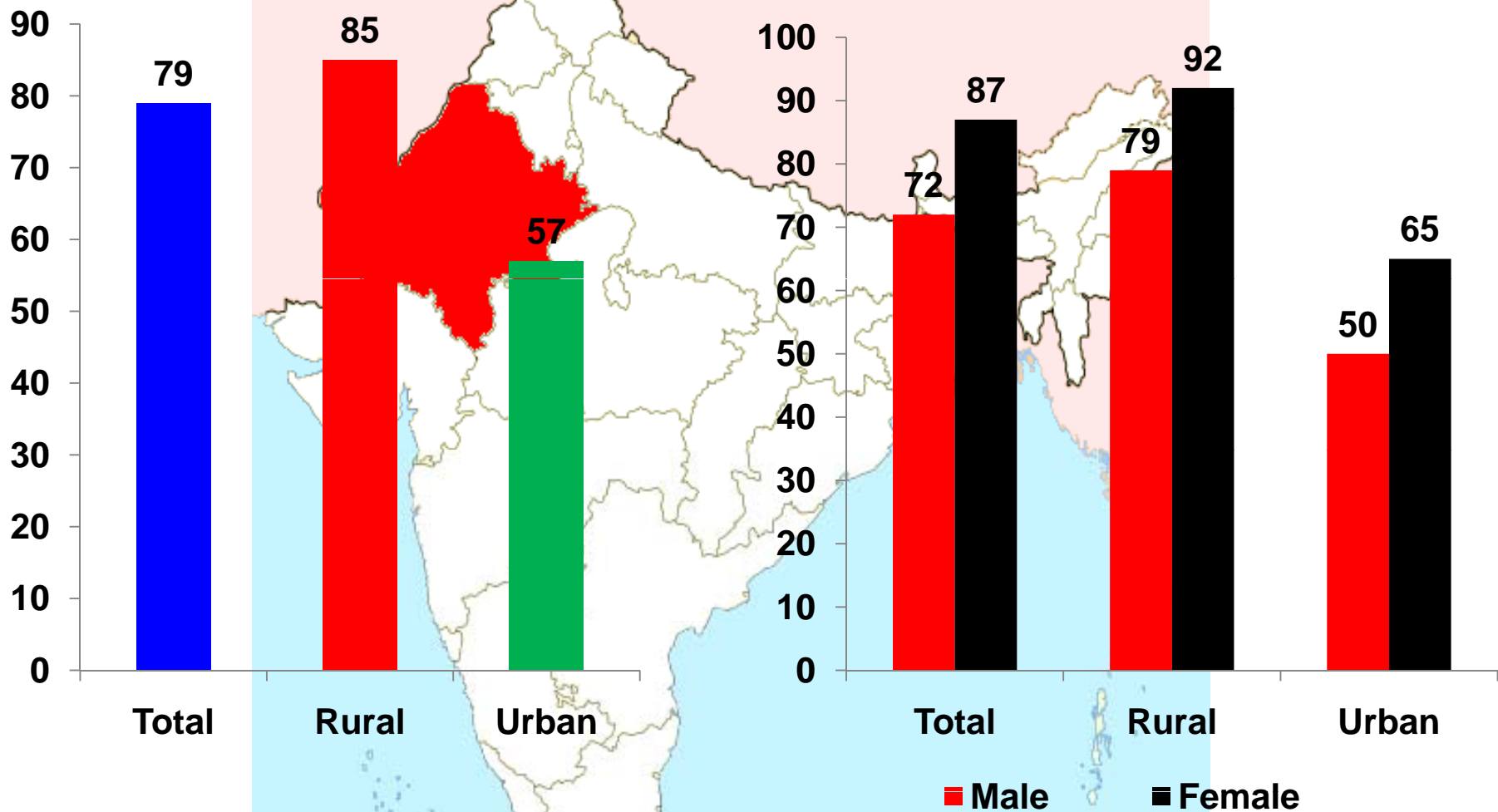
### Neo-Natal Mortality Rate



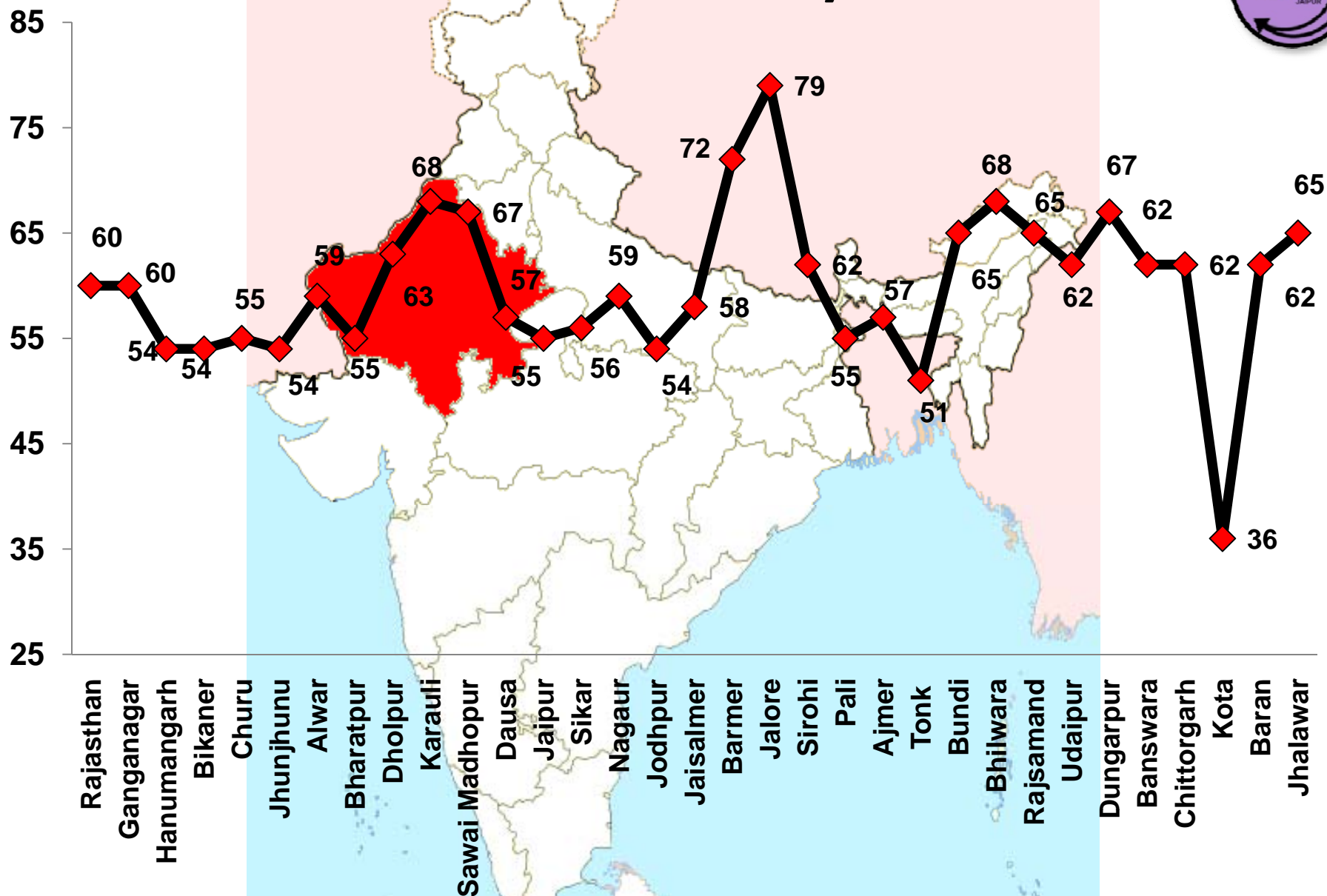
### Post Natal Mortality Rate



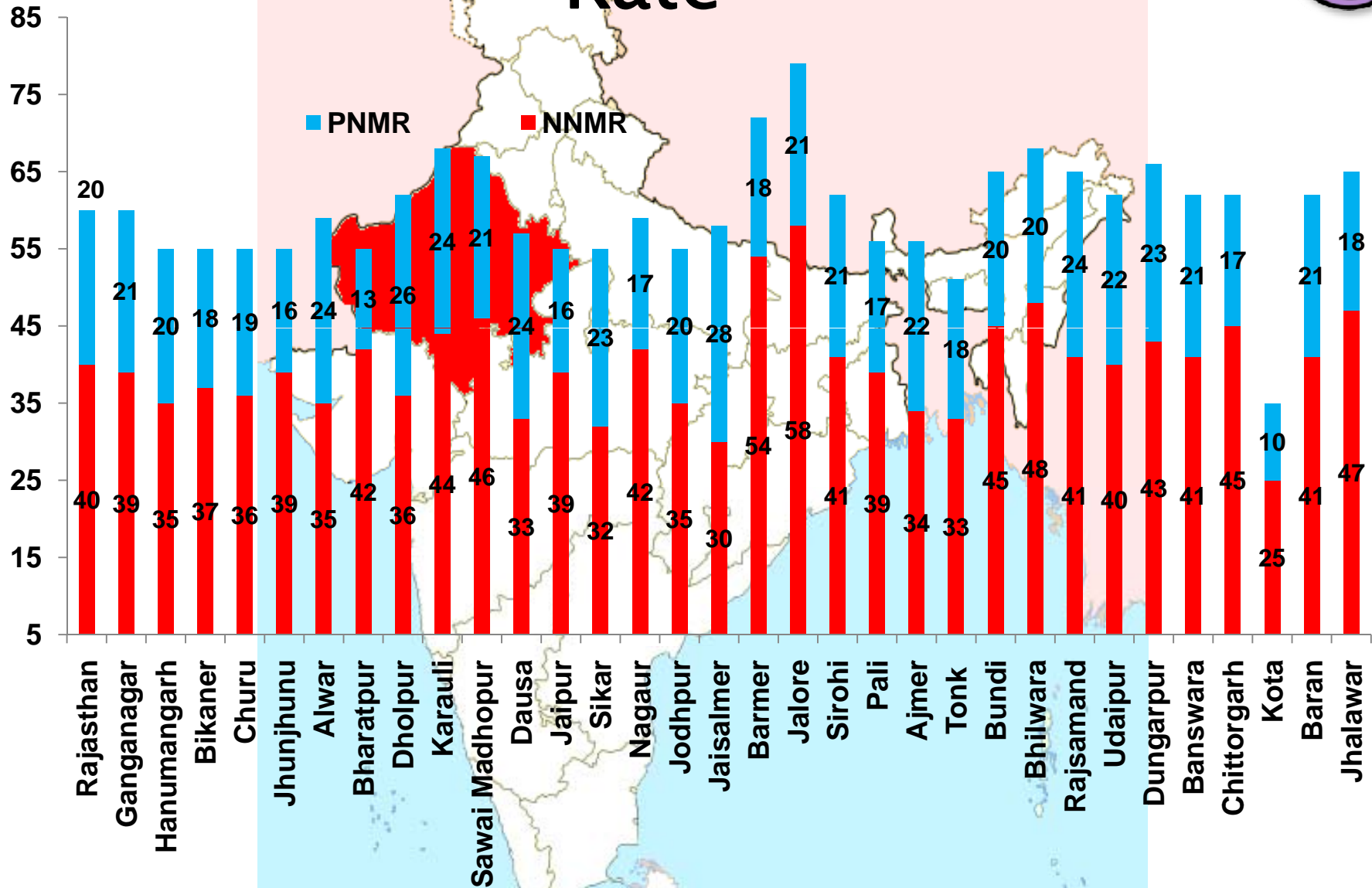
# Under 5 Mortality Rate(Raj)



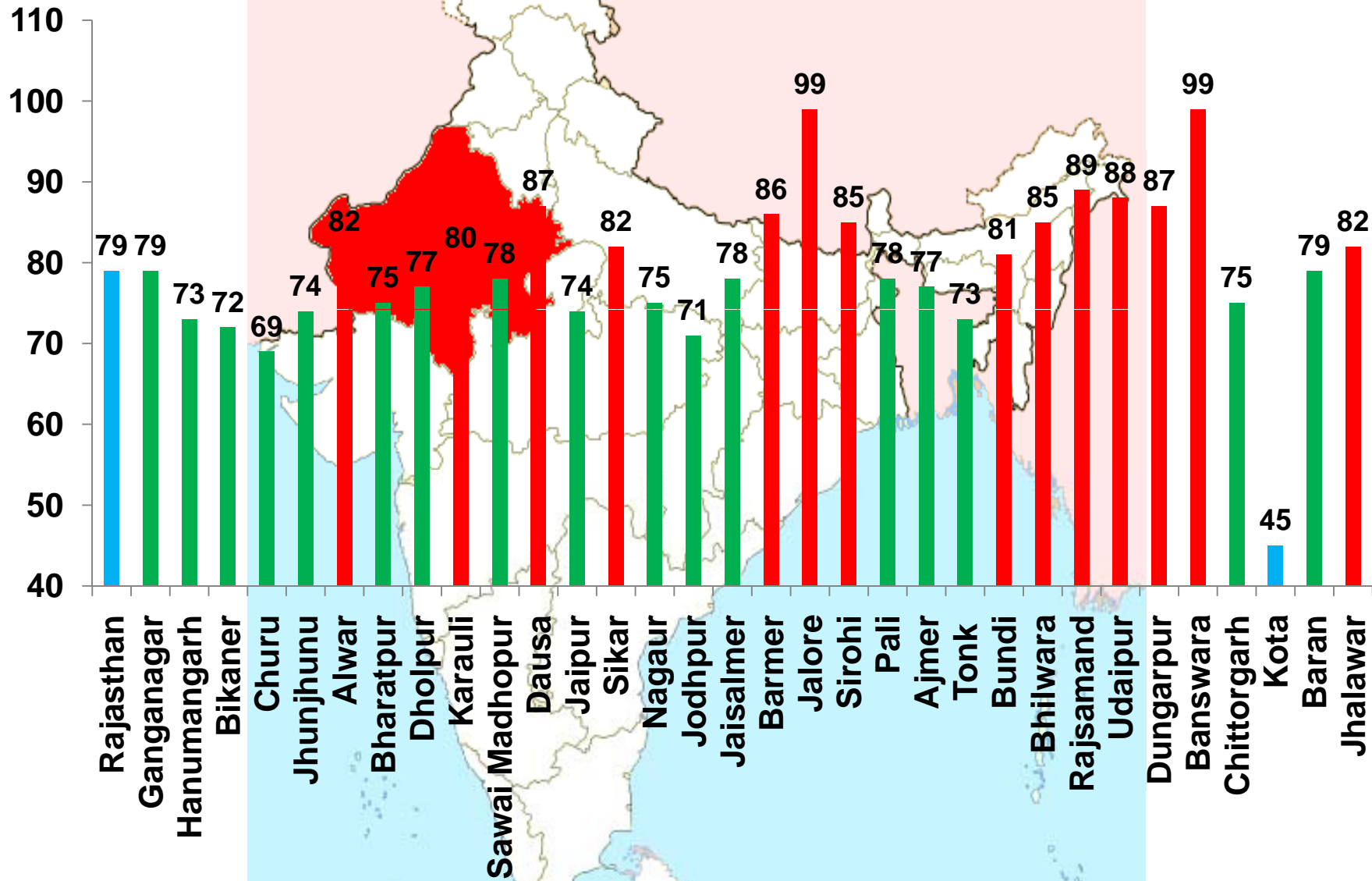
# Infant mortality Rate



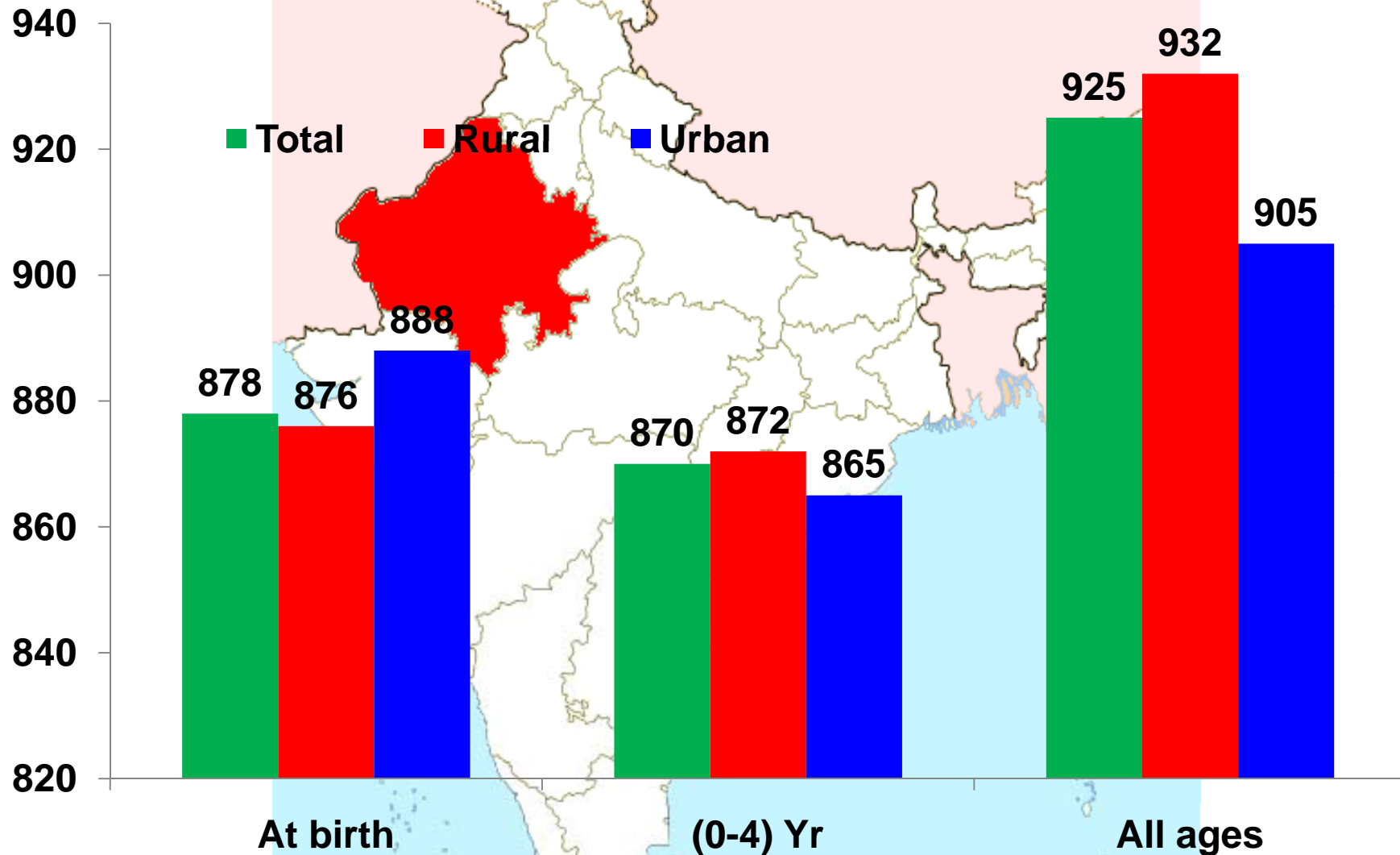
# Post Natal & Neo-Natal Mortality Rate



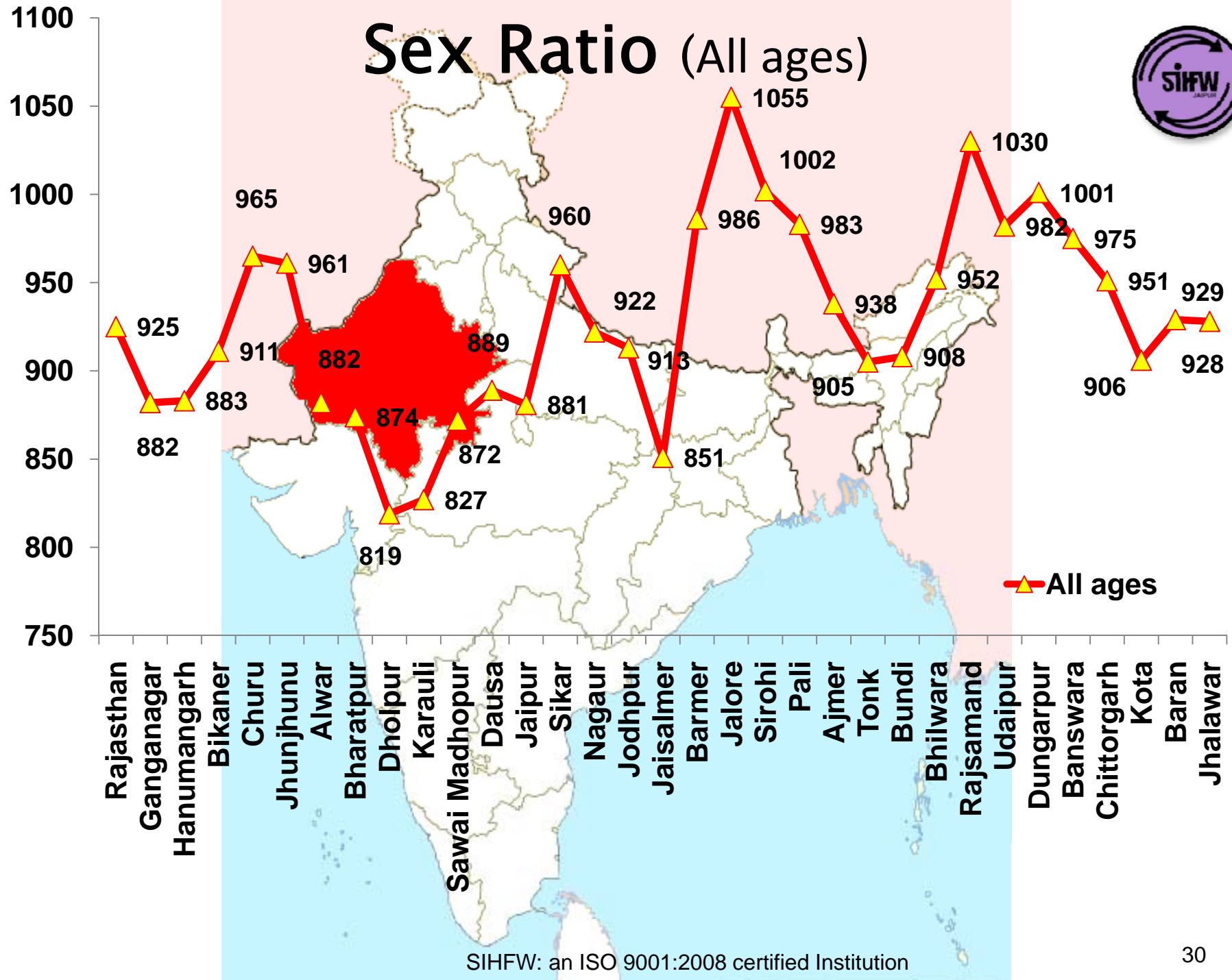
# Under 5 Mortality Rate



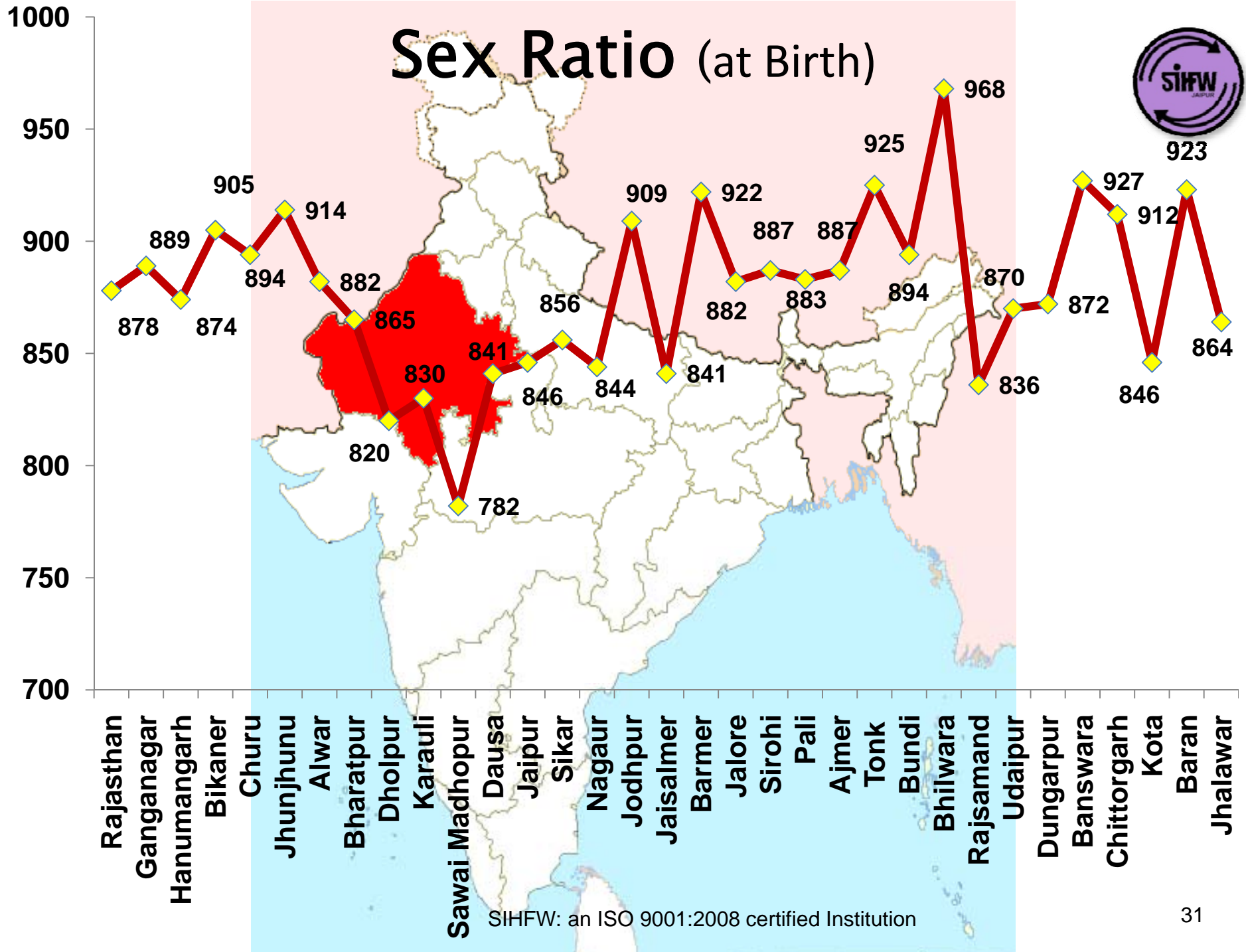
# Sex Ratio (Raj)



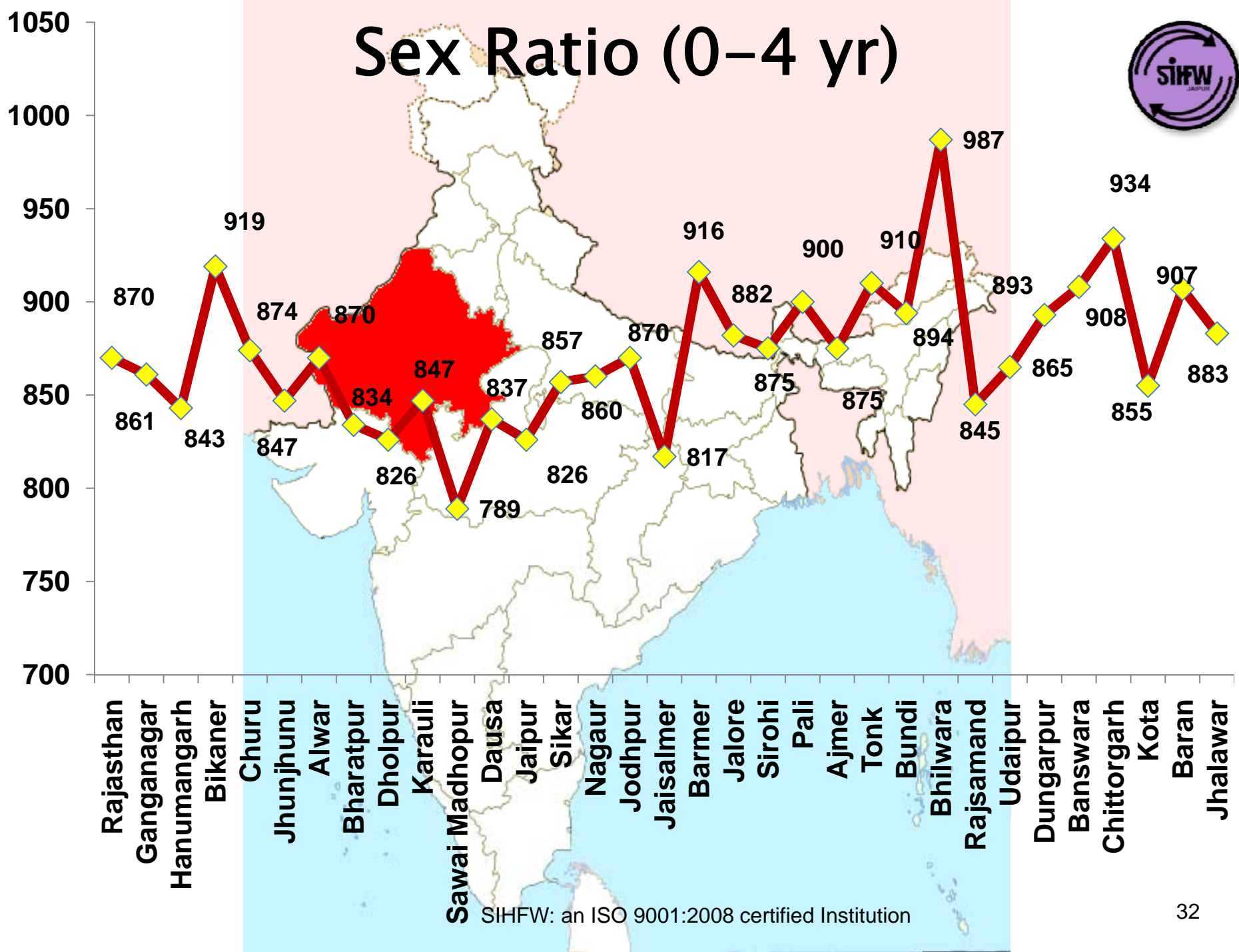
# Sex Ratio (All ages)



# Sex Ratio (at Birth)

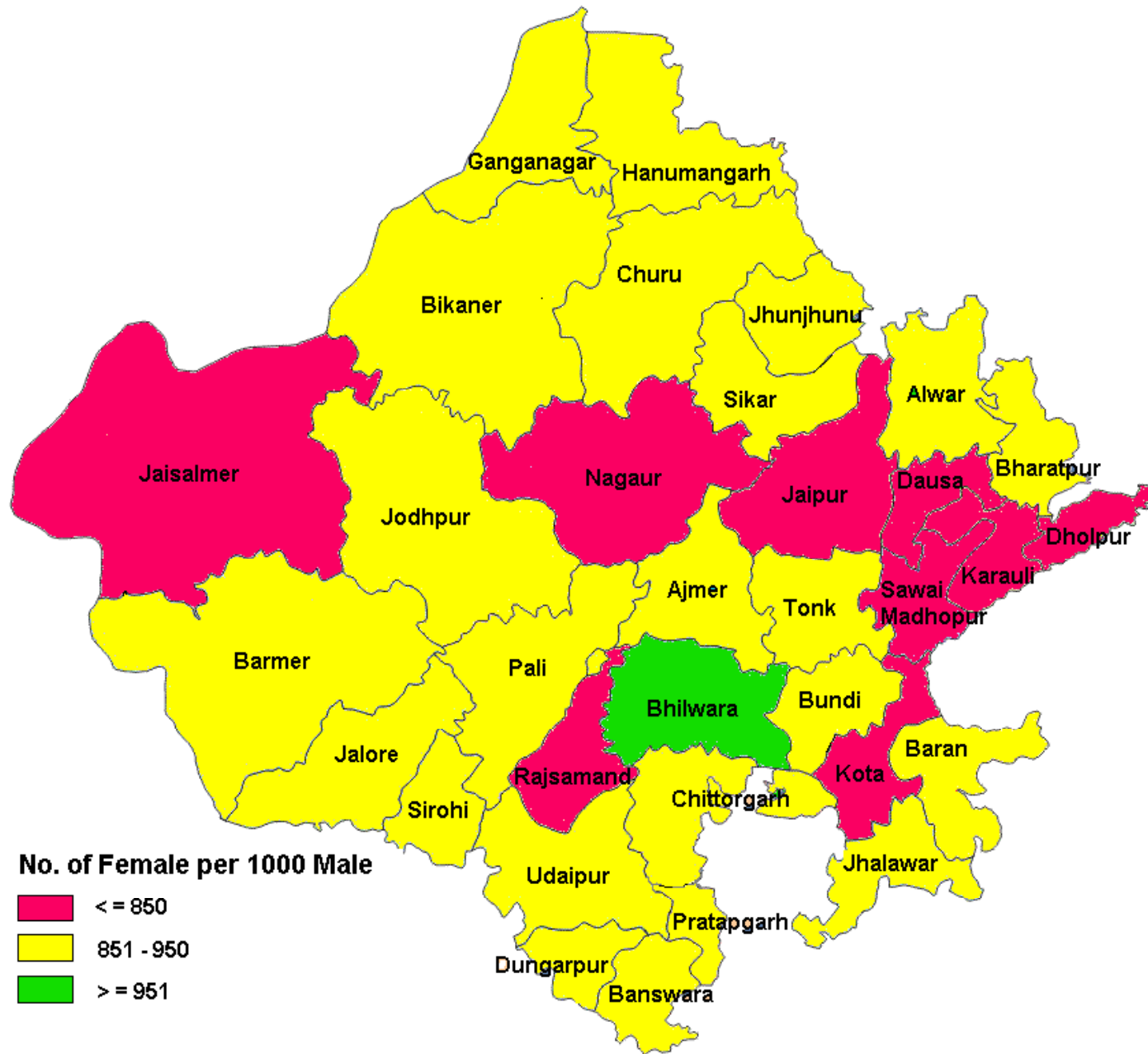


# Sex Ratio (0-4 yr)





### Sex Ratio at Birth





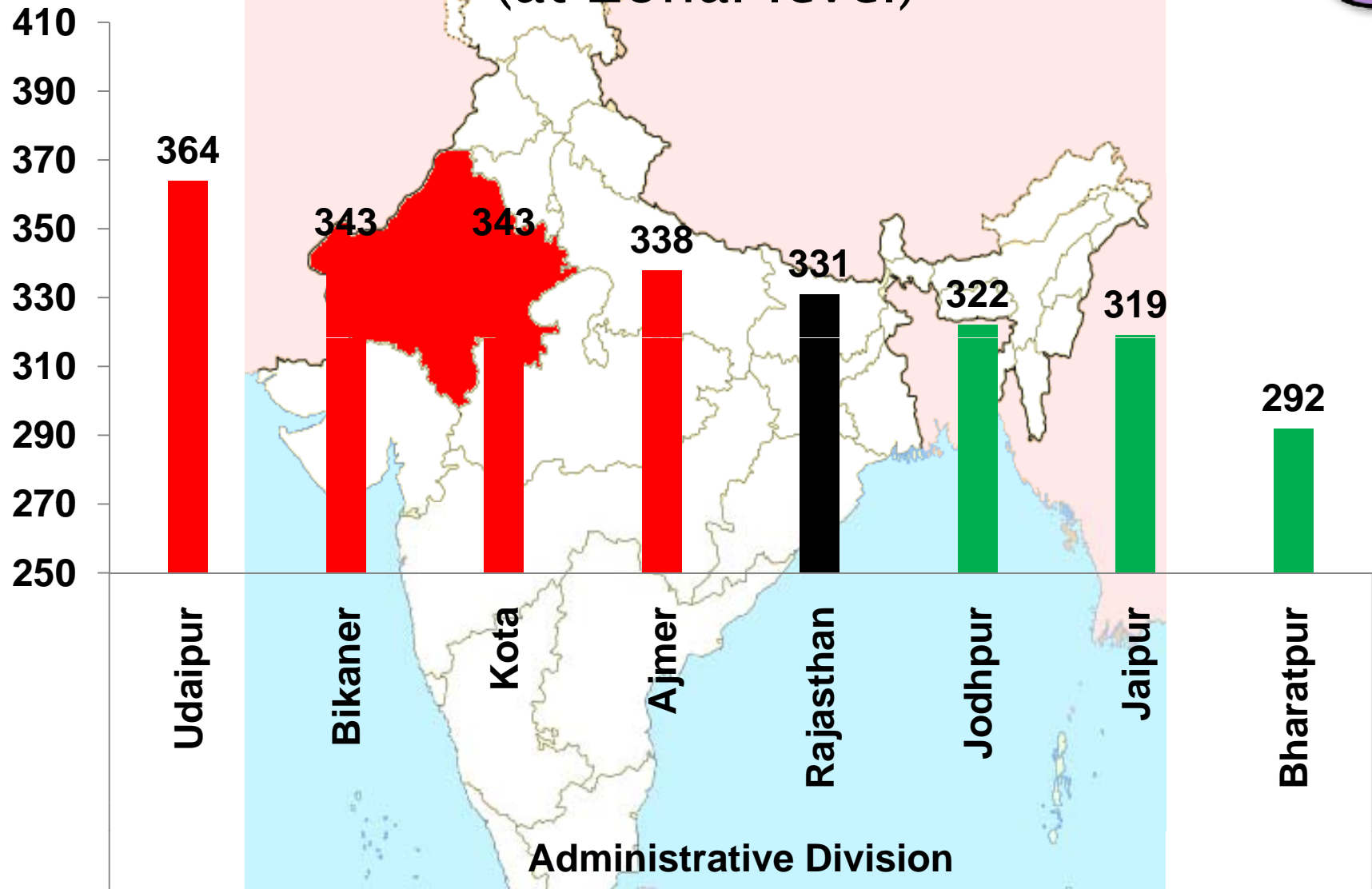
State/Zone /(Districts)	Sample Female Population	Sample Live Births	Maternal Deaths	MMR
Rajasthan	434673	129984	430	331
<b>Bikaner</b> (Ganganagaer, Hanumang arh, Churu, Bikaner)	53055	14854	51	343
<b>Jaipur</b> (Jhunjhunu, Alwar, Dausa,jaipur, Sikar)	90722	25099	80	319
<b>Bharatpur</b> (Bharatpur, Dhaulpur, Karauli, Sawaimadhopur)	42892	14726	43	292



State/Zone/(Districts)	Sample Female Population	Sample Live Births	Maternal Deaths	MMR
<b>Ajmer</b> (Nagaur, Ajmer, Tonk, Bhilwara)	57230	15976	54	338
<b>Jodhpur</b> (Jodhpur, Jaisalmer, Barmer, Jalor, Sirohi, Pali)	81627	26117	84	322
<b>Kota</b> (Bundi, Kota, Baran, Jhalawar)	46845	13134		343
<b>Udaipur</b> (Rajsamand, Udaipur, Chittorgarh, Dungarpur, Banswara)	62302	20078	73	364

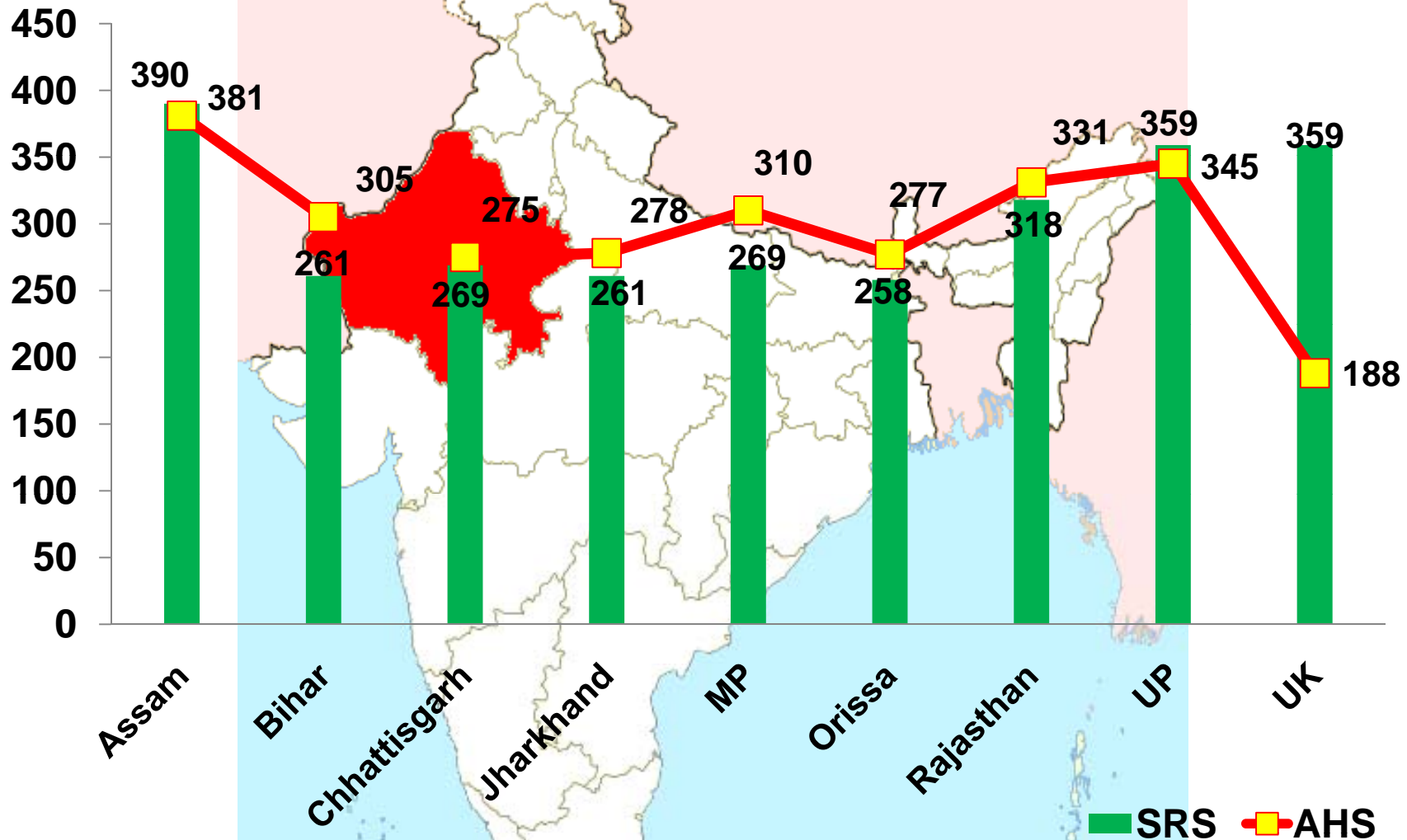


# Maternal Mortality Ratio (at Zonal level)



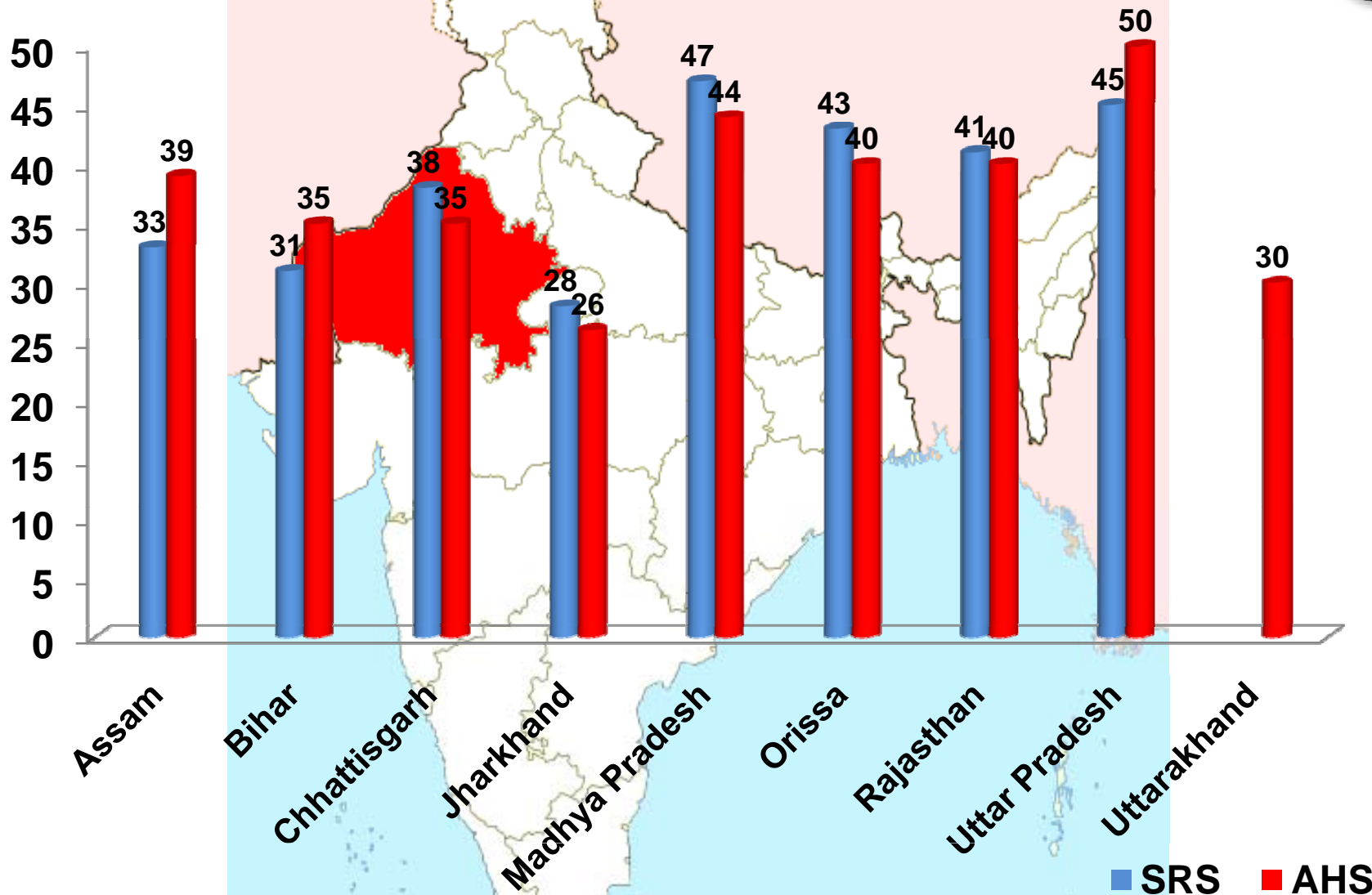
# MMR (AHS-states)

source: SRS-09 & AHS-2010-11



# NNMR (AHS-states)

source: SRS-09 & AHS-2010-11





## India

- CBR: 22.5
- CDR: 7.3
- NGR: 15.2
- IMR: 50
- NNMR: 34
- PNMR: 16
- U-5 MR: 64

## Rajasthan

- CBR: 24.7
- CDR: 6.6
- NGR: 18.2
- IMR: 60
- NNMR: 40
- PNMR: 20
- U-5 MR: 79



## India

- MMR: 212
- Sex ratio:
  - 0-6 Yr: 914
  - all ages: 940

## Rajasthan

- MMR: 331 (on Zone basis)
- Sex ratio
  - at birth: 878
  - 0-4 Yr: 870
  - all ages: 925

A map of India with the state of Rajasthan highlighted in red. The text is overlaid on the map.

# Thank You

For more details log on to  
[www.sihfwrajasthan.com](http://www.sihfwrajasthan.com)

or

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on

[sihfwraj@yahoo.co.in](mailto:sihfwraj@yahoo.co.in)