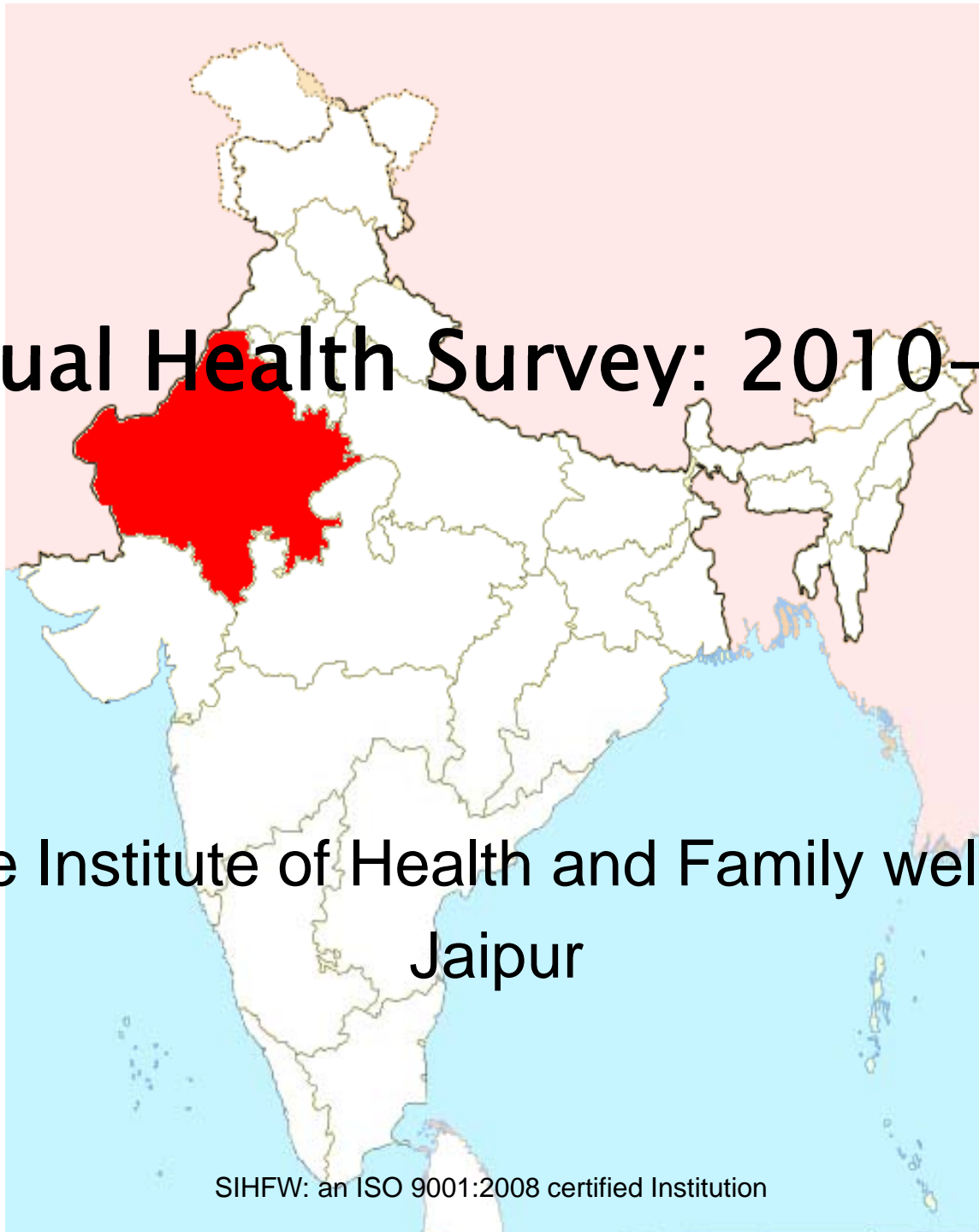


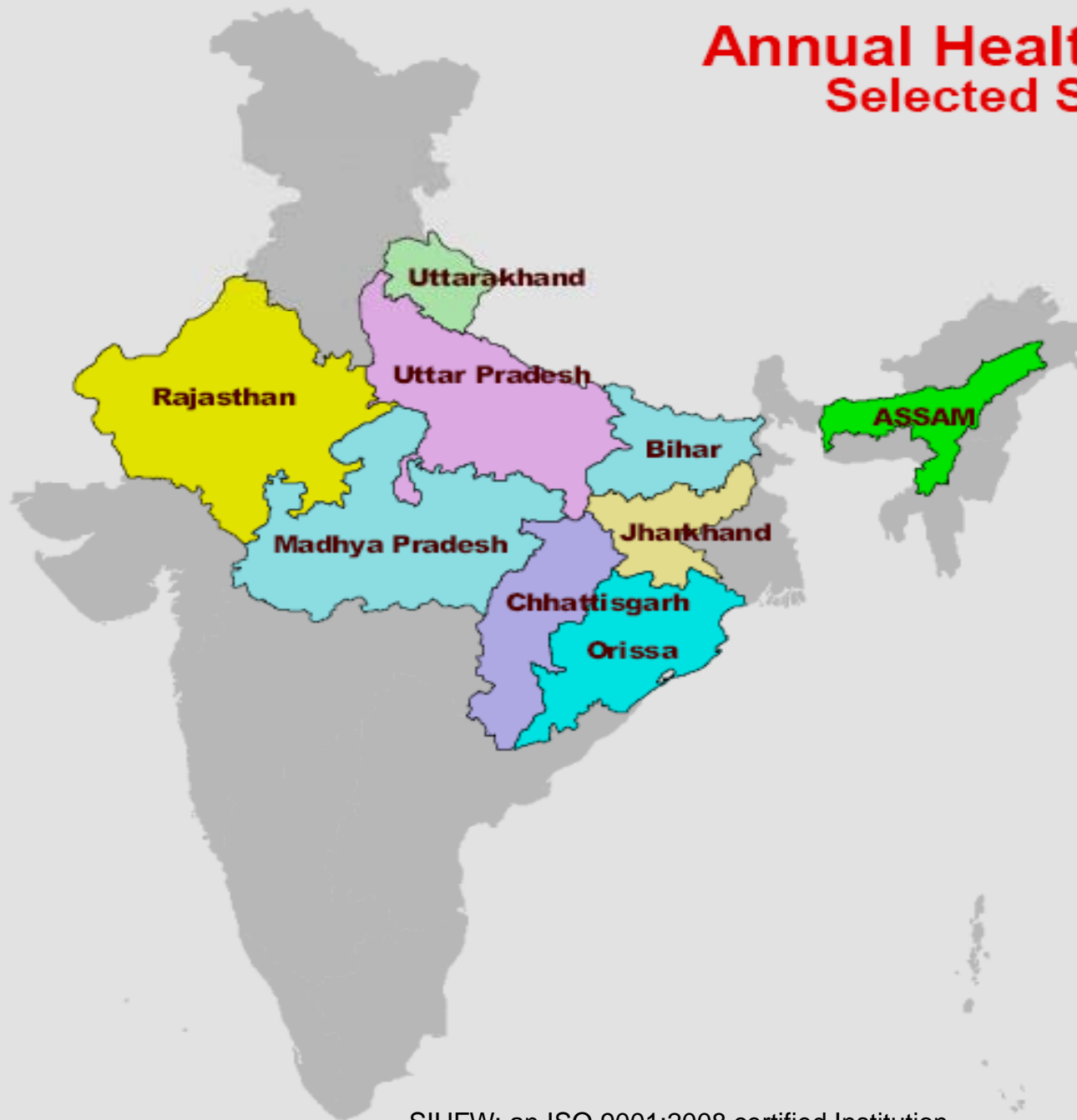


Annual Health Survey: 2010-11



State Institute of Health and Family welfare,
Jaipur

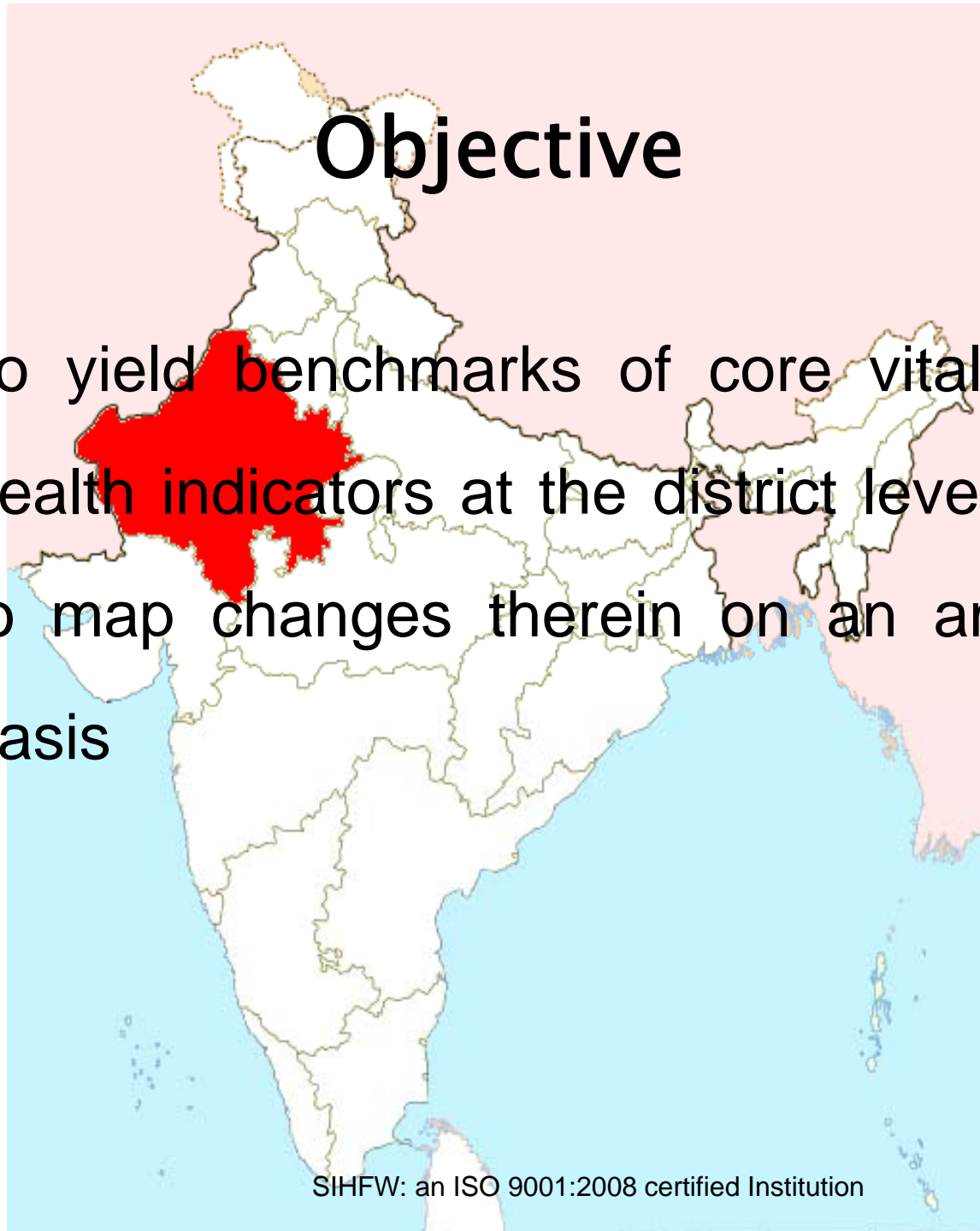
Annual Health Survey Selected States





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

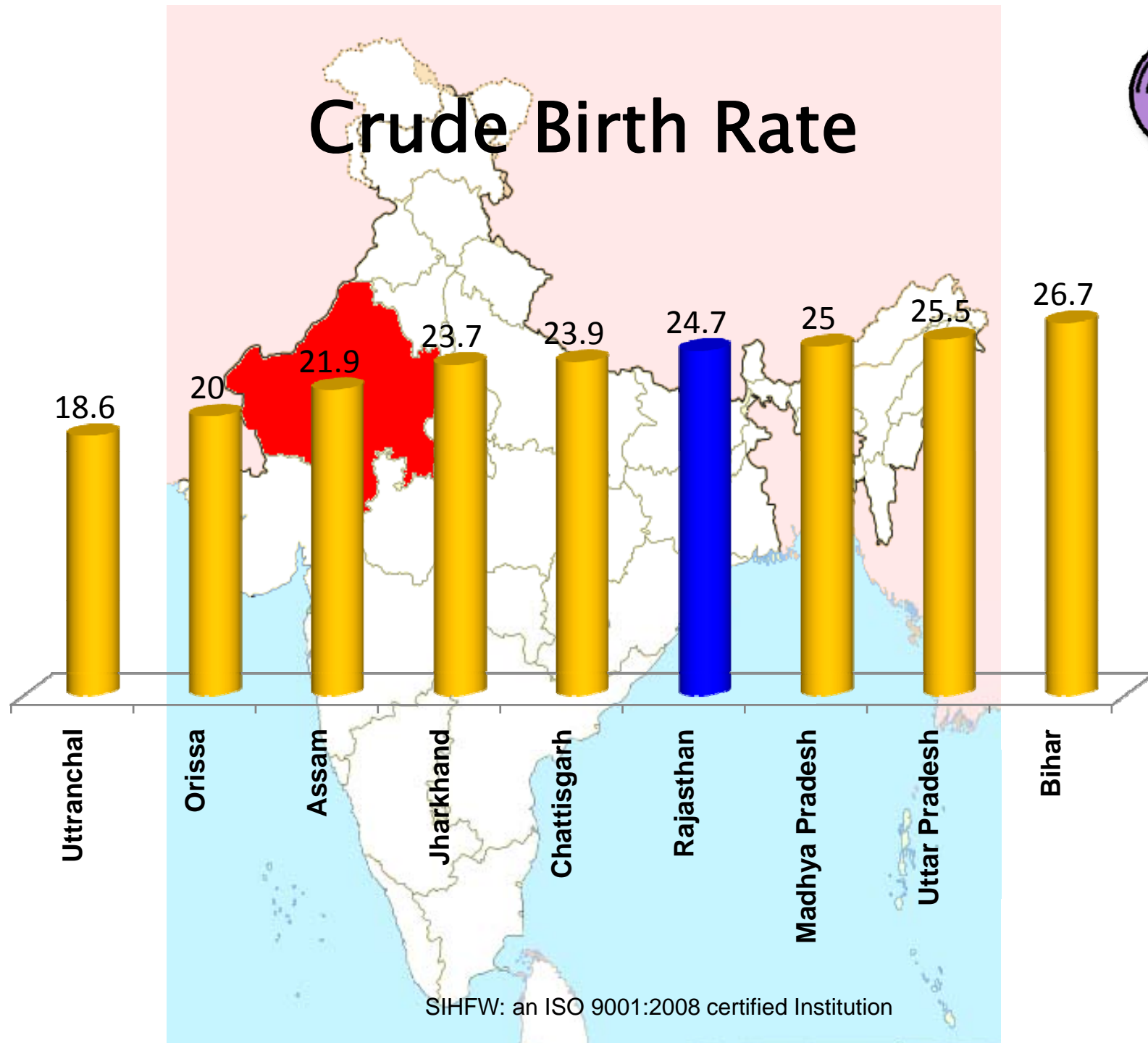
- Crude Birth Rate (CBR)
- Crude Death Rate (CDR)
- Infant Mortality Rate (IMR)
- Neo-Natal Mortality Rate (NNMR)
- Under Five Mortality Rate (U5MR)
- Maternal Mortality Ratio (MMR)(only for Zone)
- Sex Ratio
 - at Birth (SRB)
 - 0-4 years & All ages



Rajasthan vs. Other States

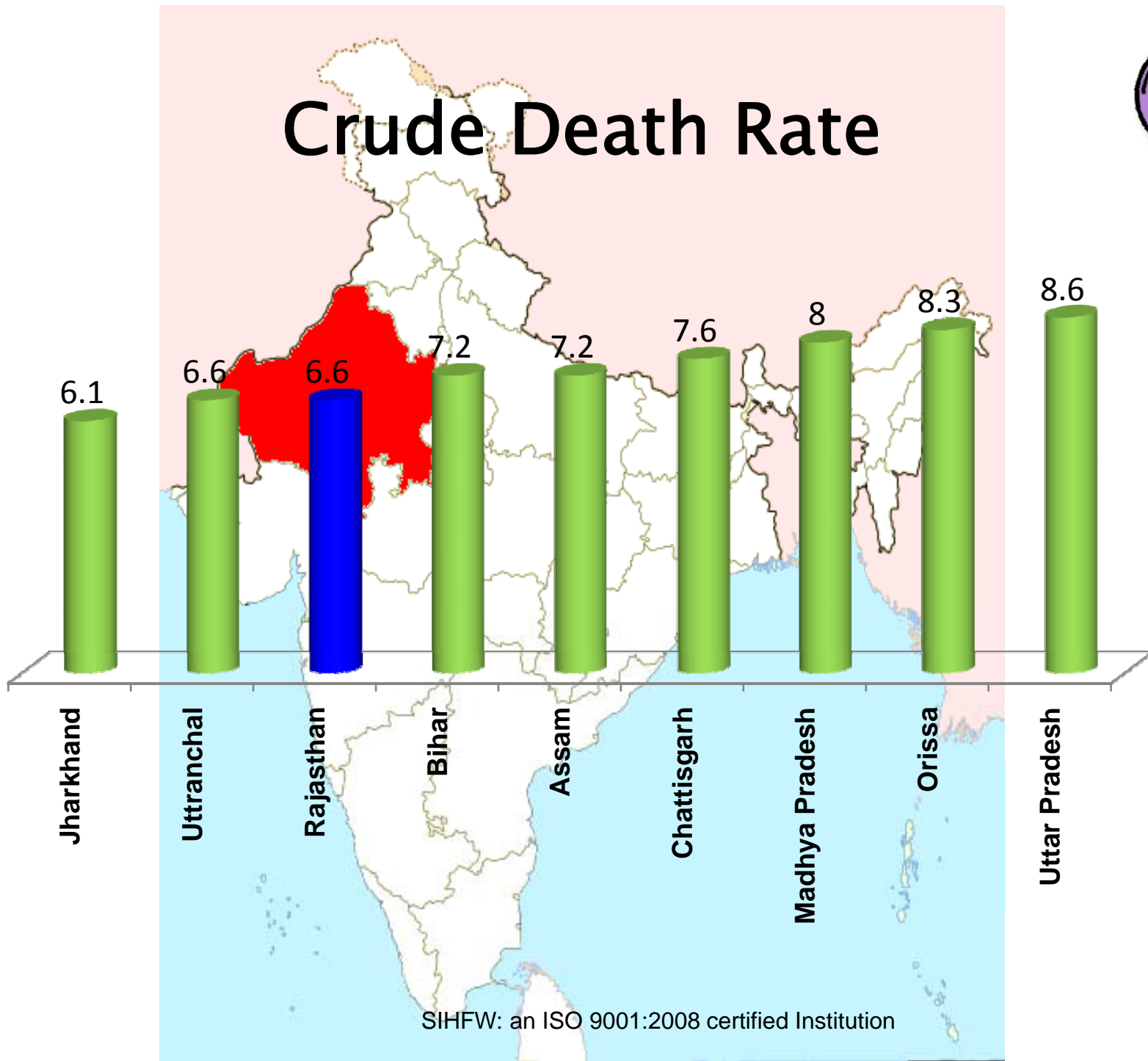


Crude Birth Rate



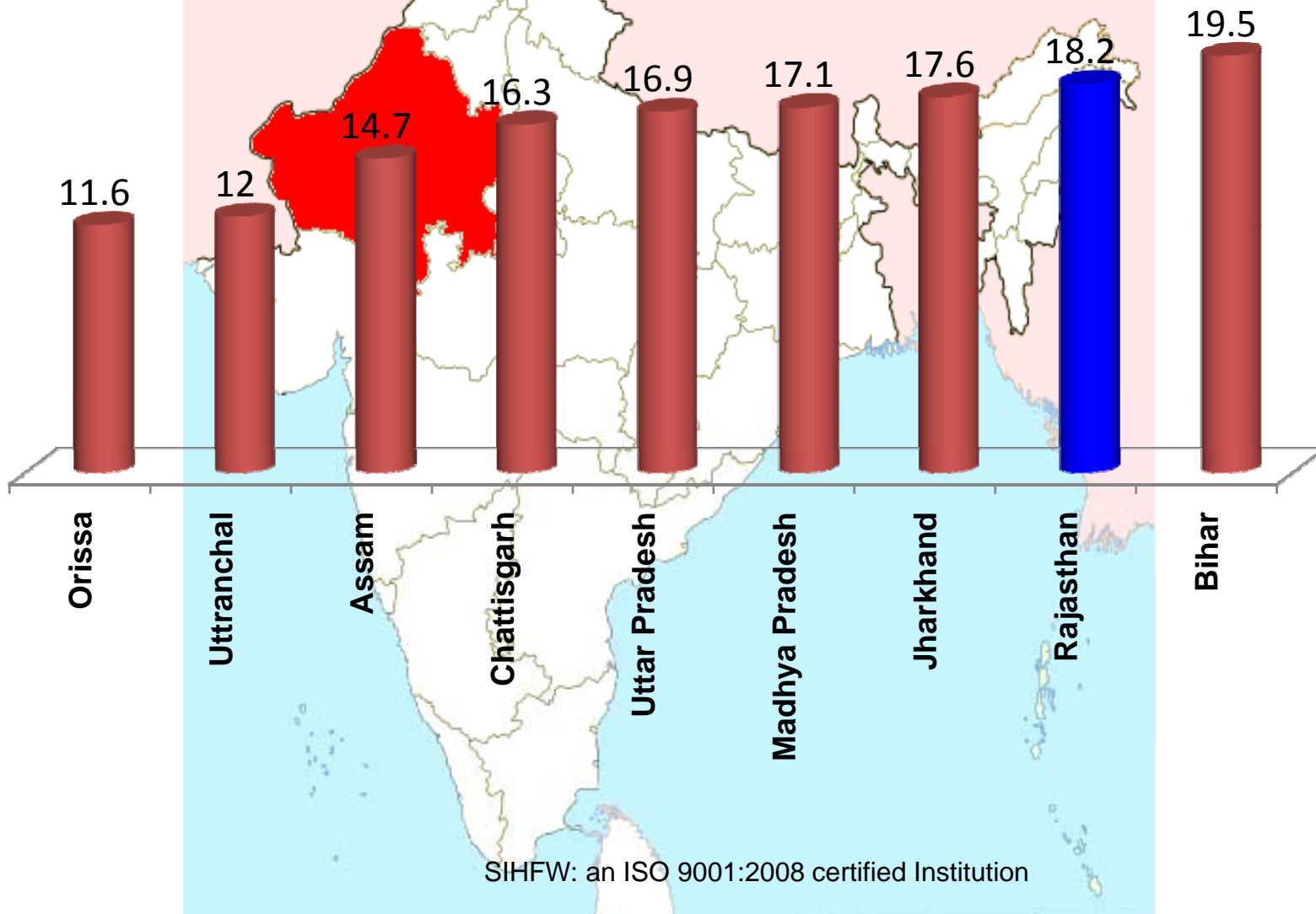


Crude Death Rate



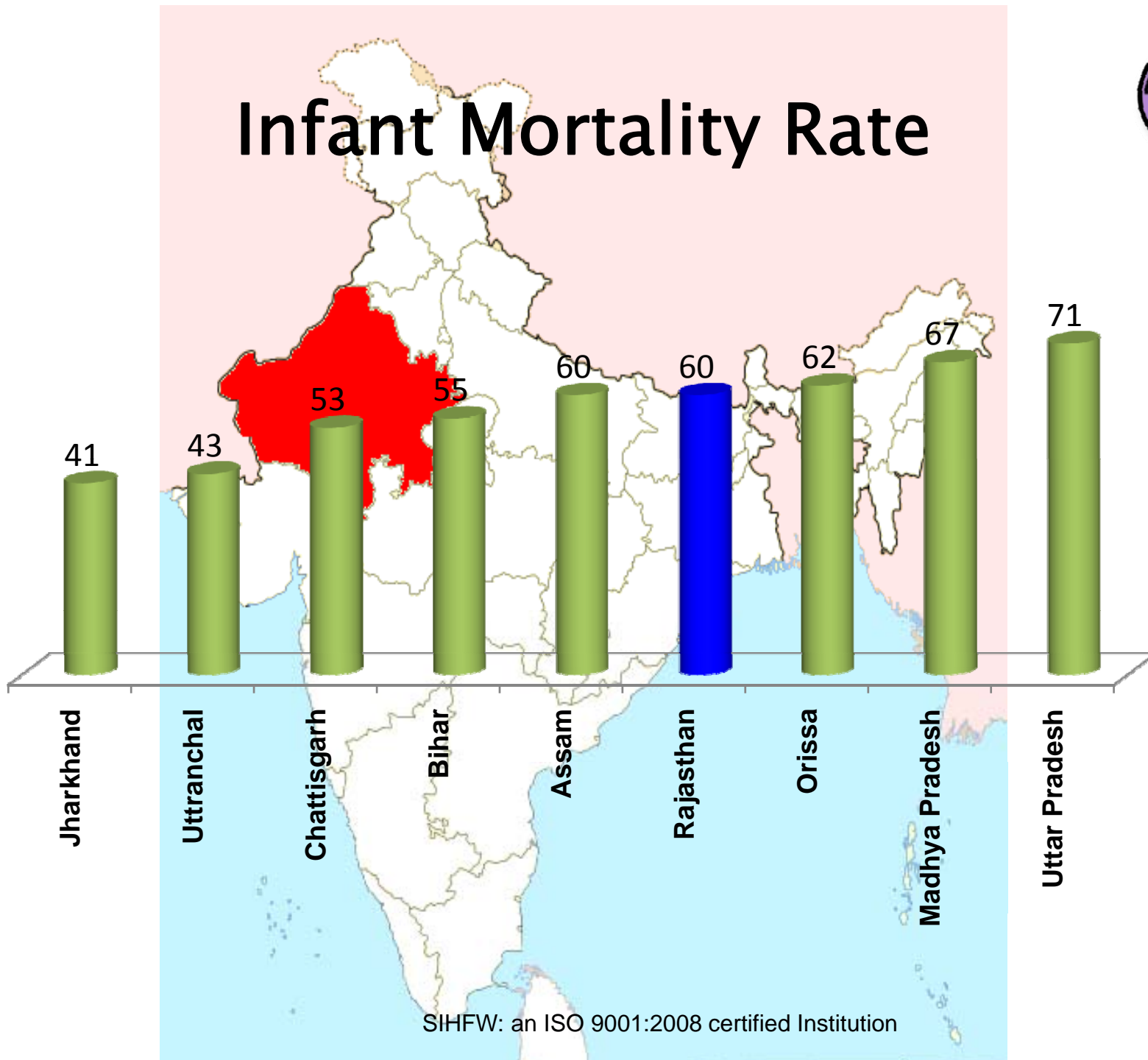


Natural Growth Rate



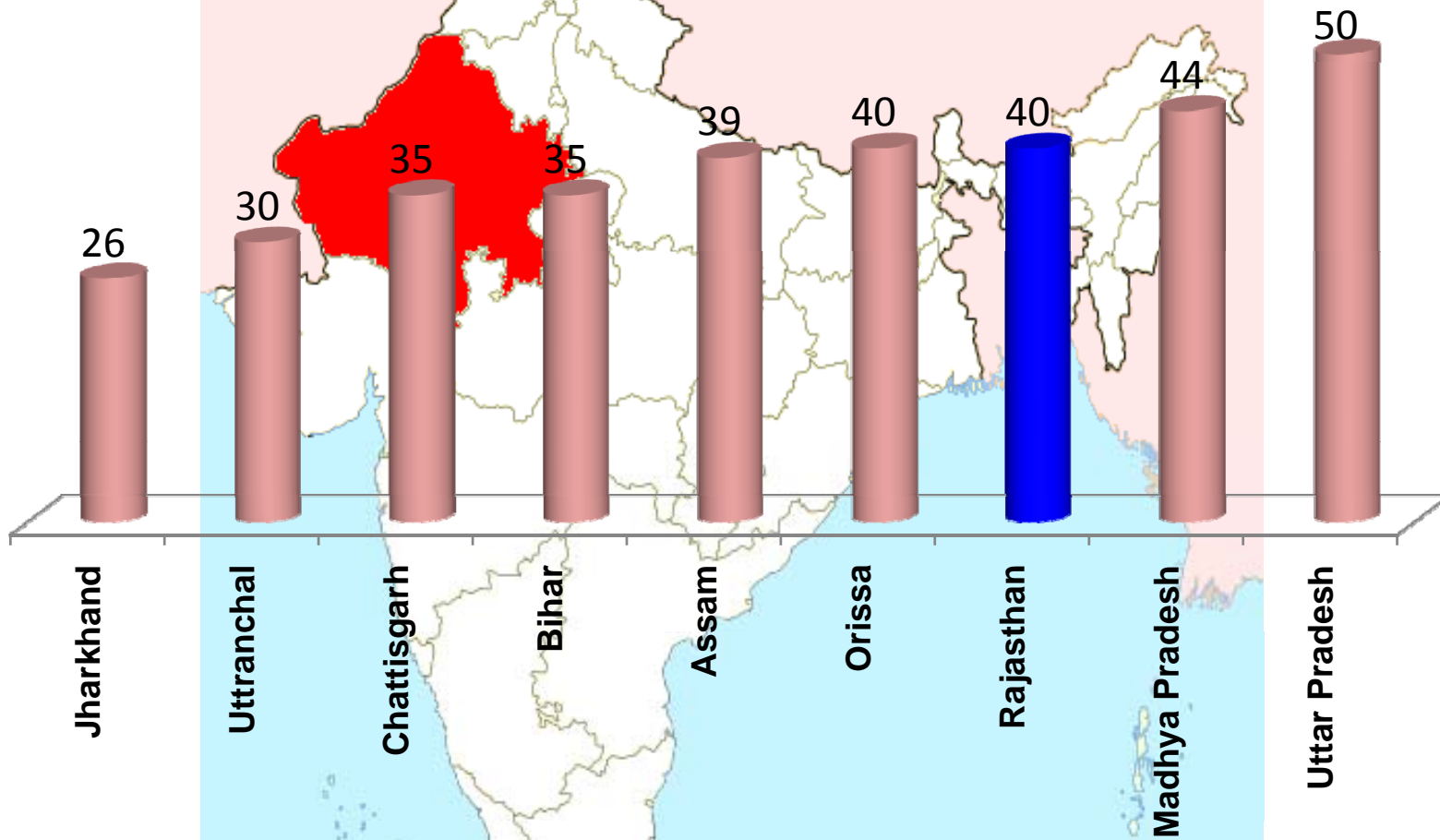


Infant Mortality Rate



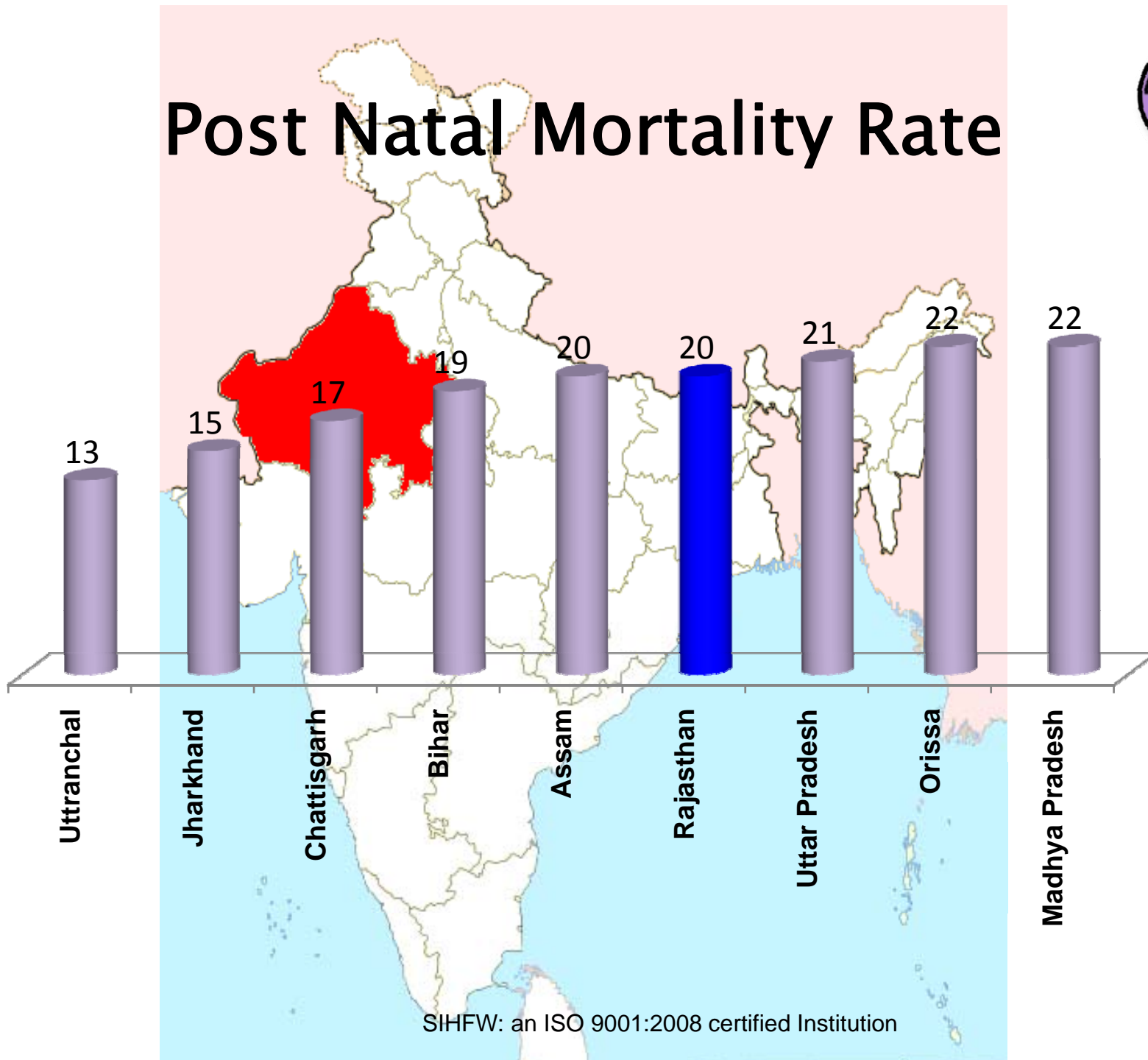


Neonatal Mortality Rate



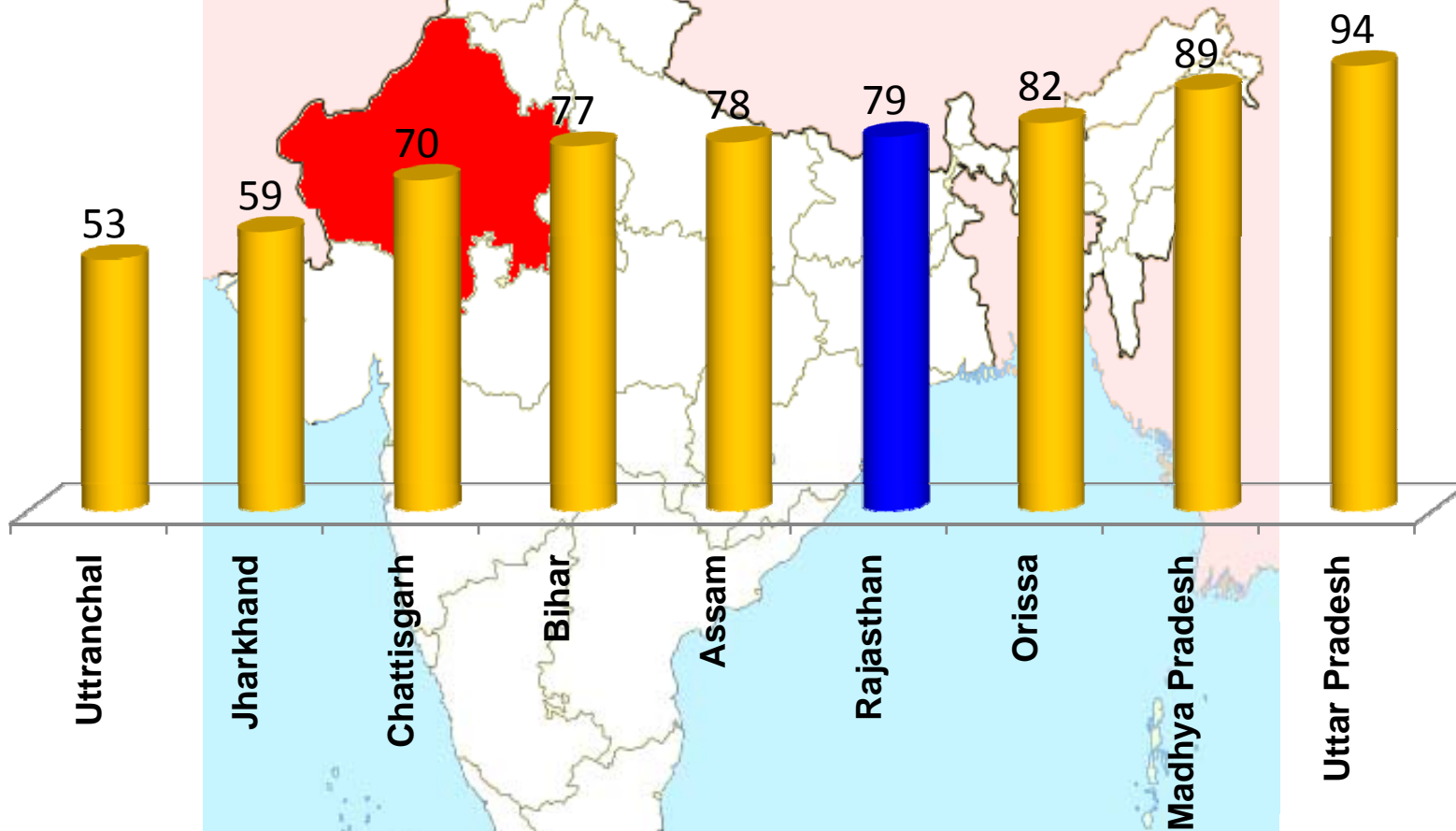


Post Natal Mortality Rate



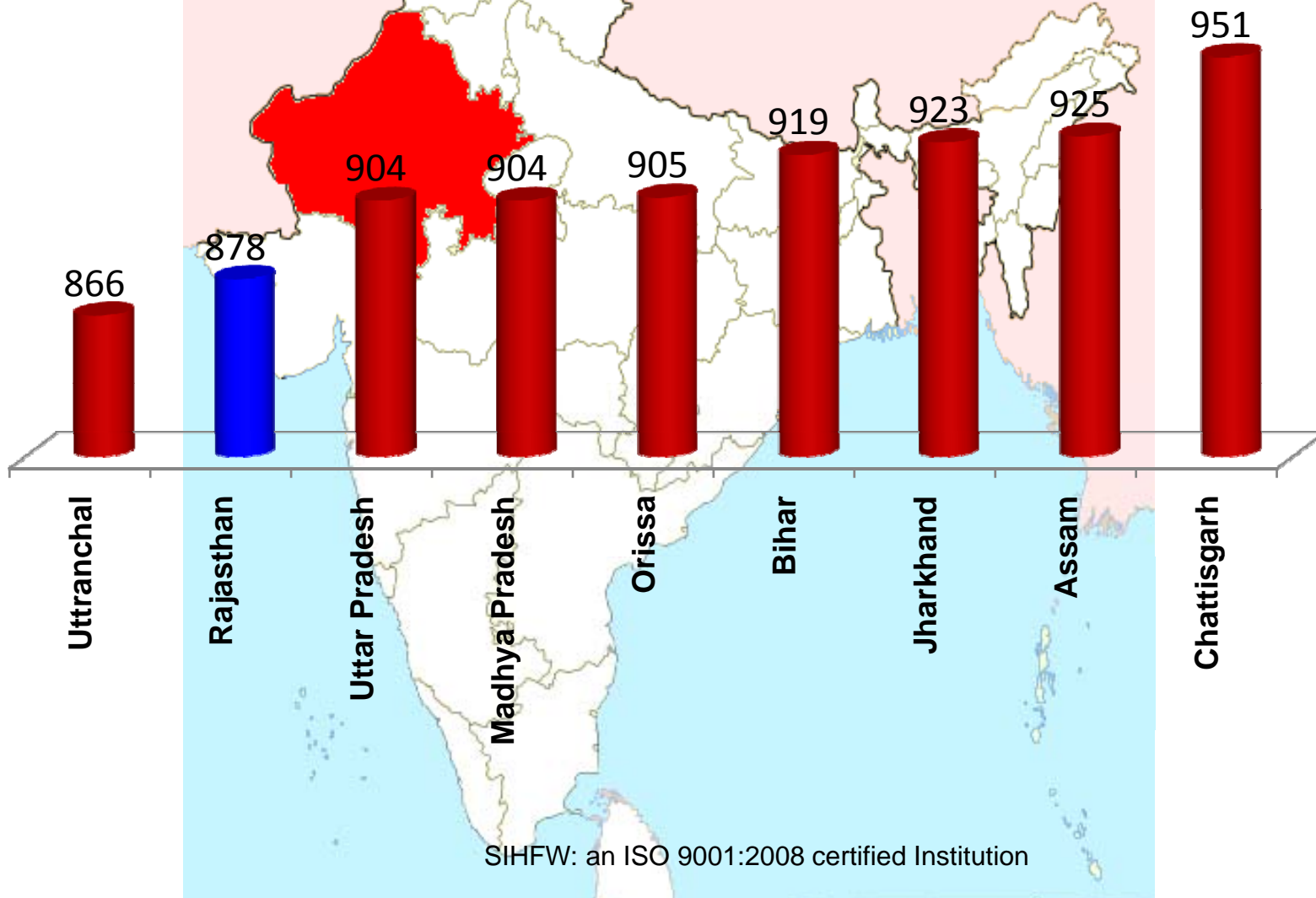


Under 5 Mortality Rate



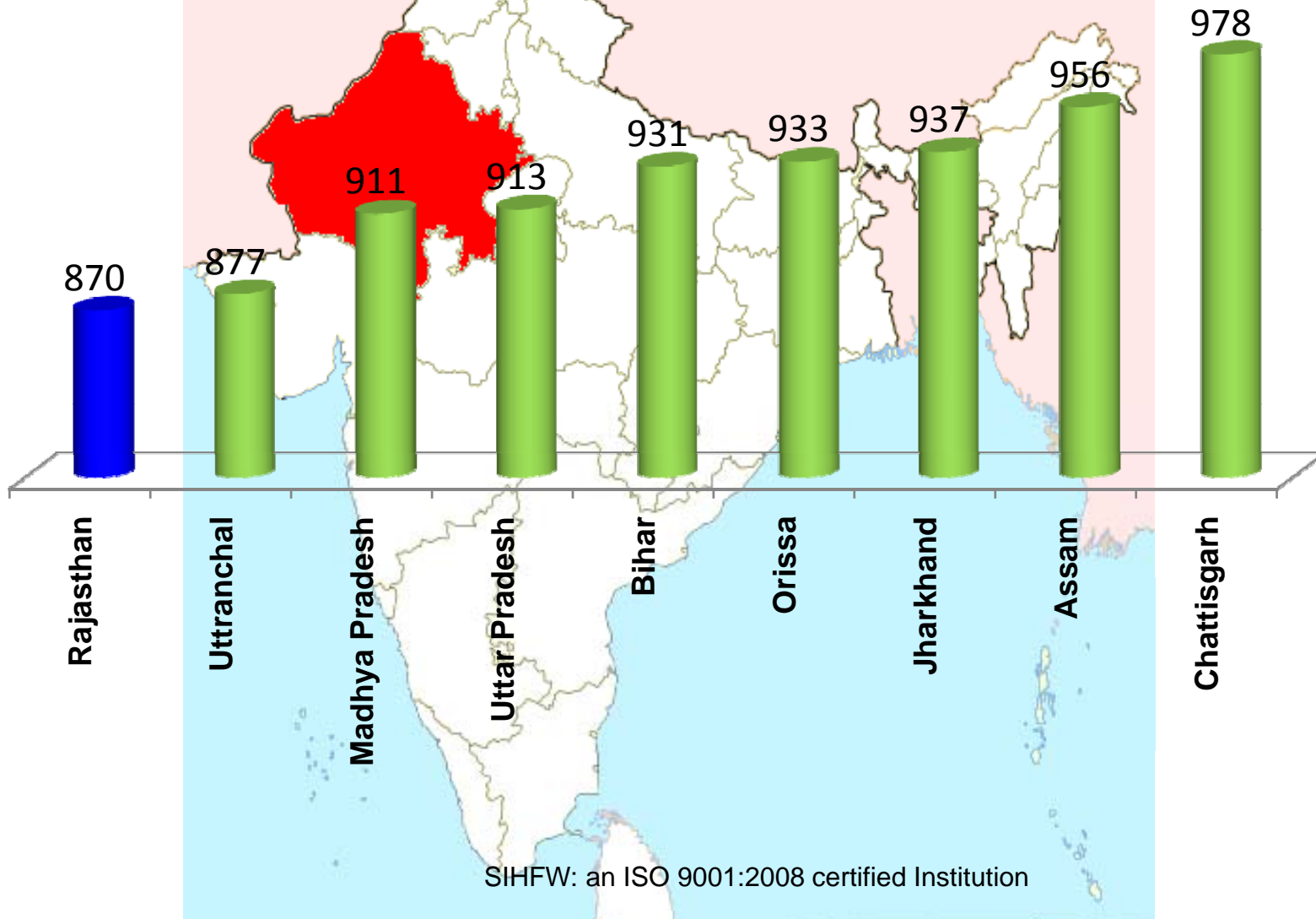


Sex Ratio (at Birth)



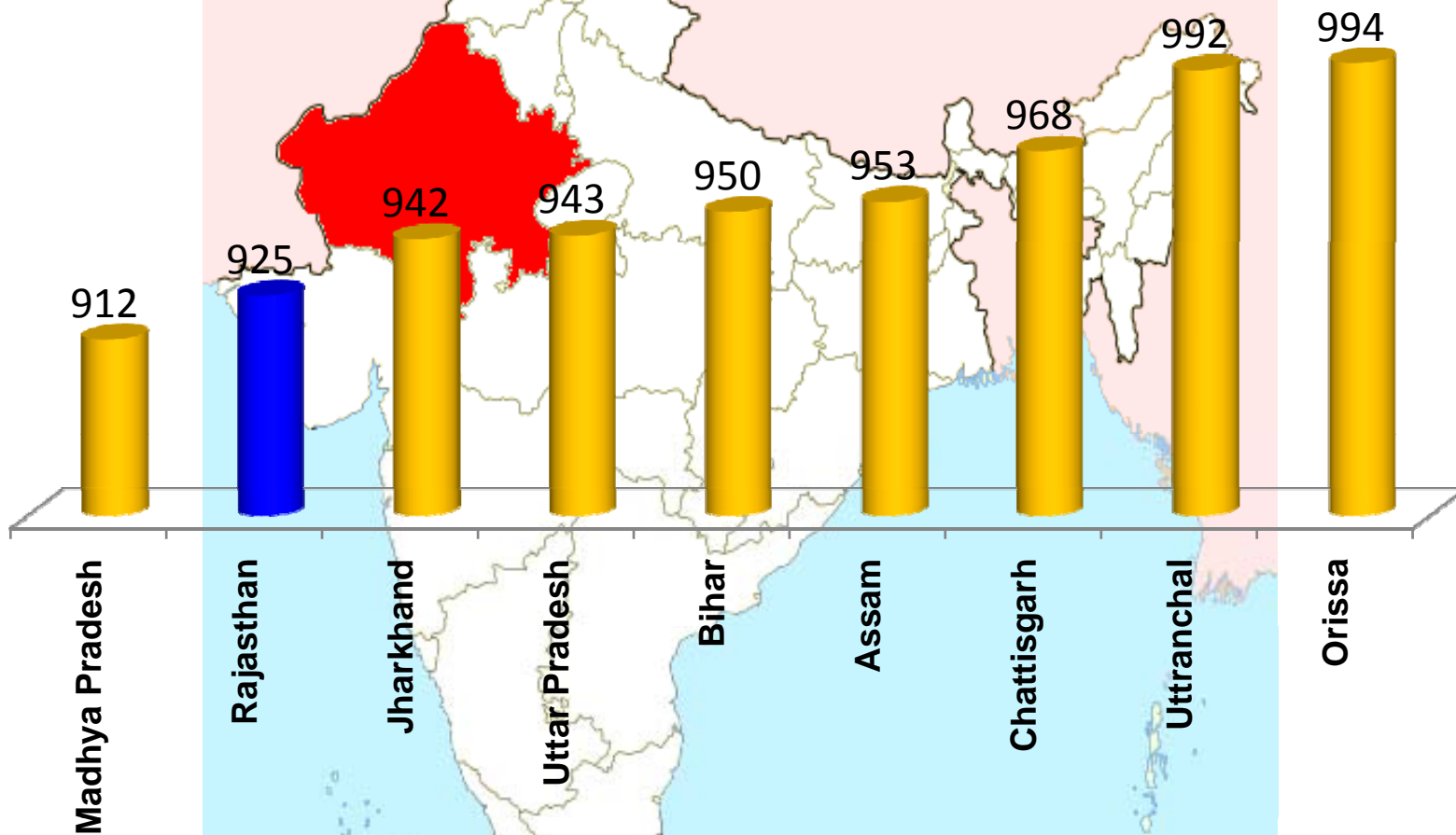


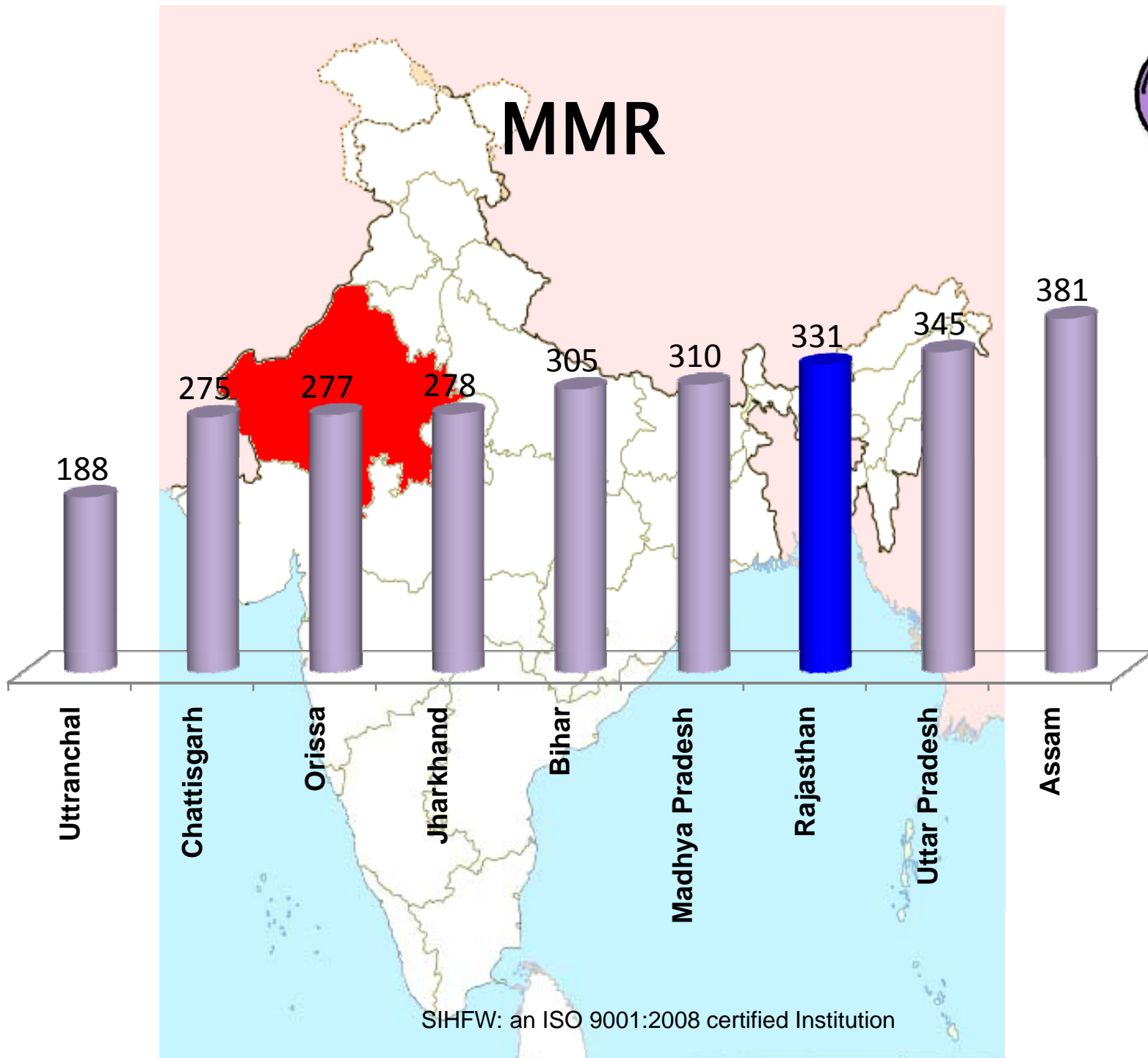
Sex Ratio (0-4 yrs)





Sex Ratio (All Ages)







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

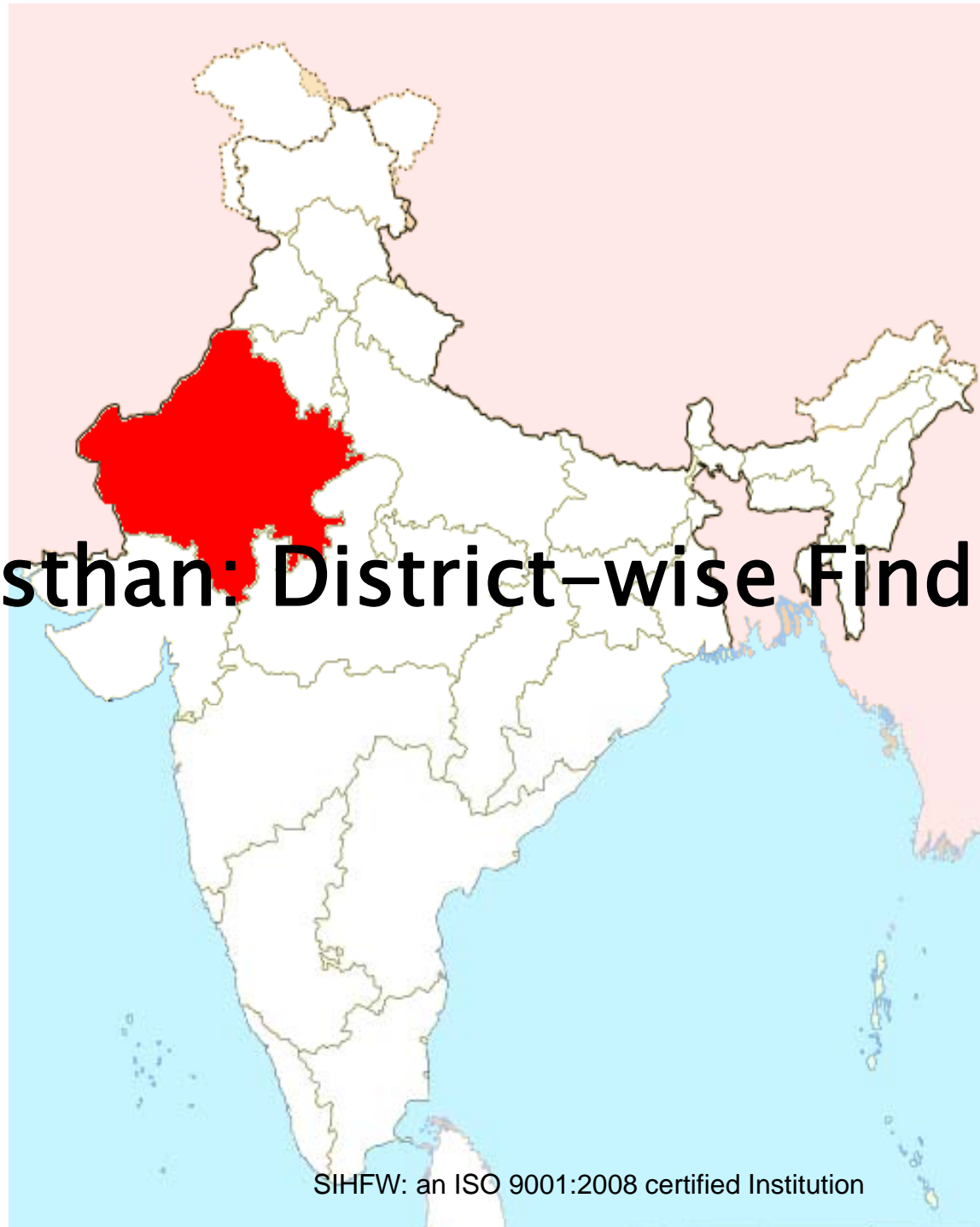
- MMR: 212
- Sex ratio:
 - 0-6 Yr: 914
 - all ages: 940

Rajasthan

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

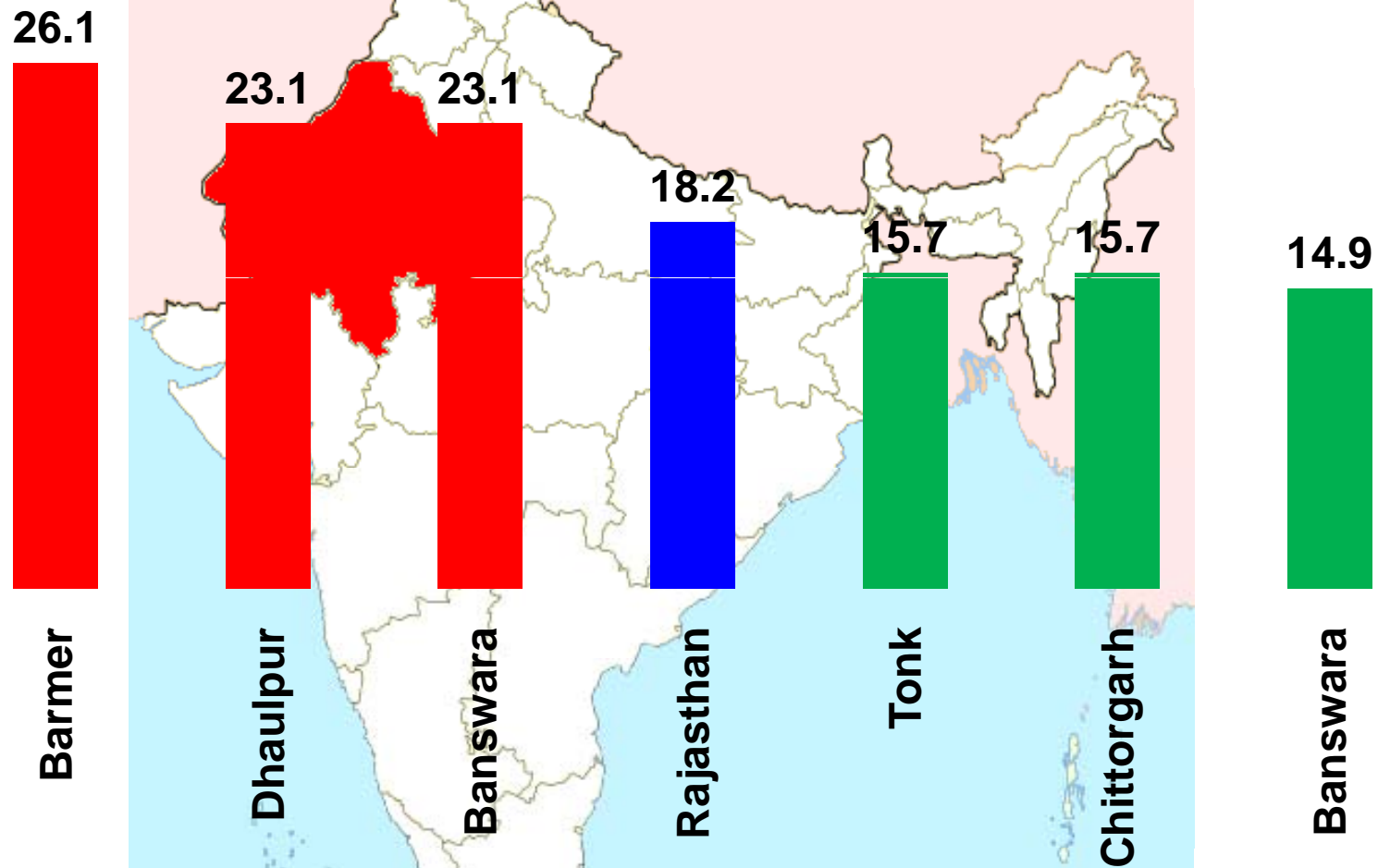


Rajasthan: District-wise Findings

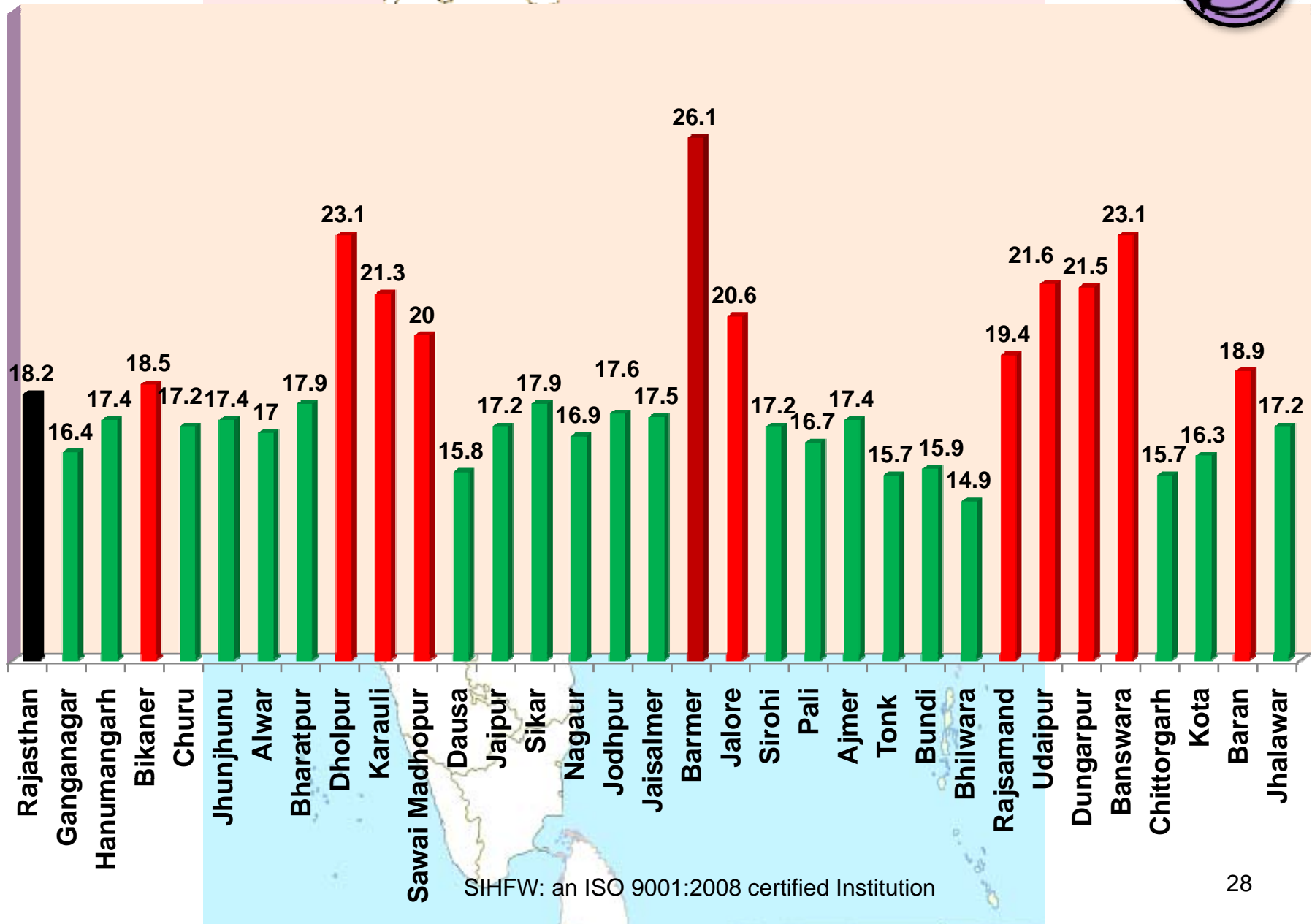




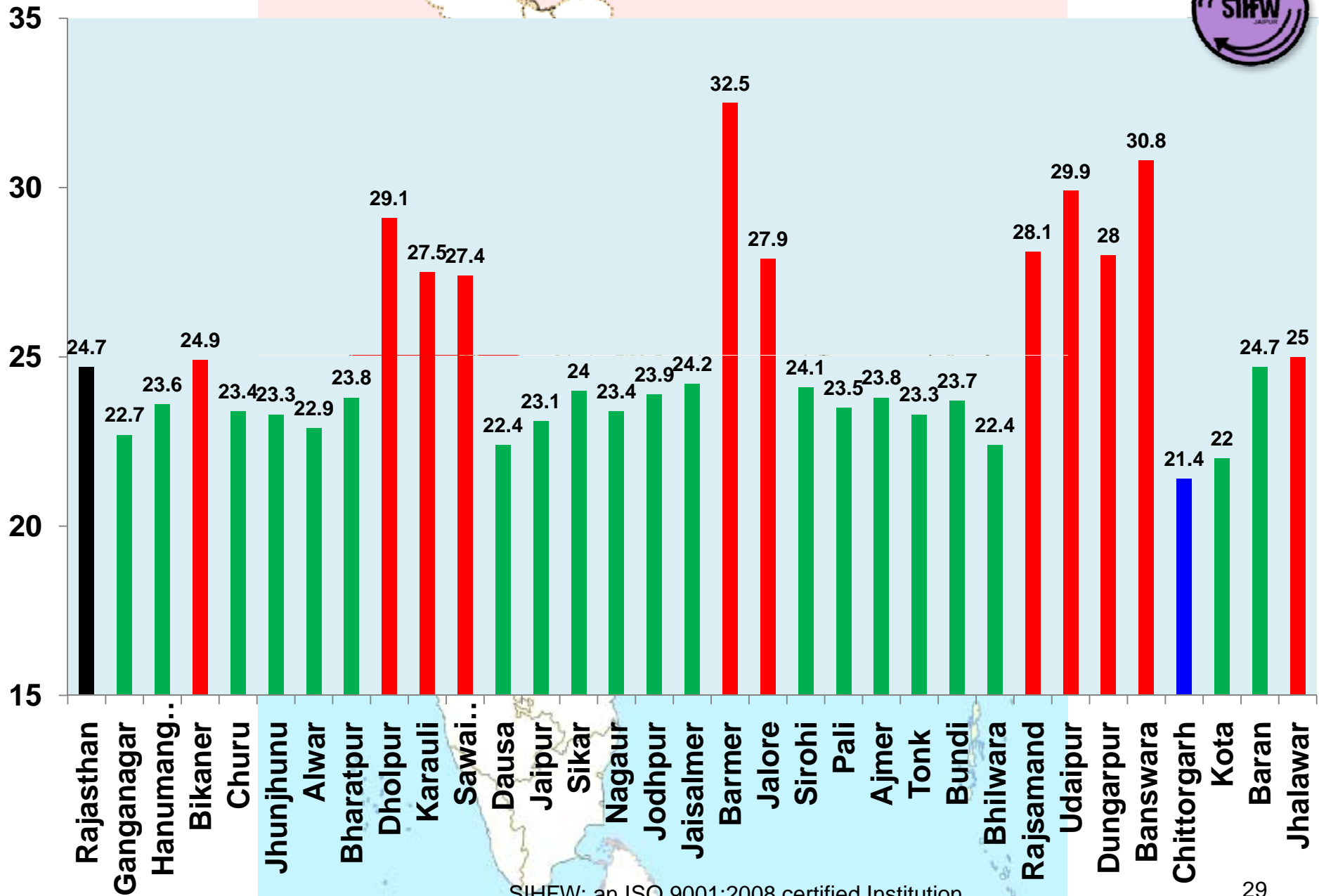
Natural Growth Rate



Natural Growth Rate

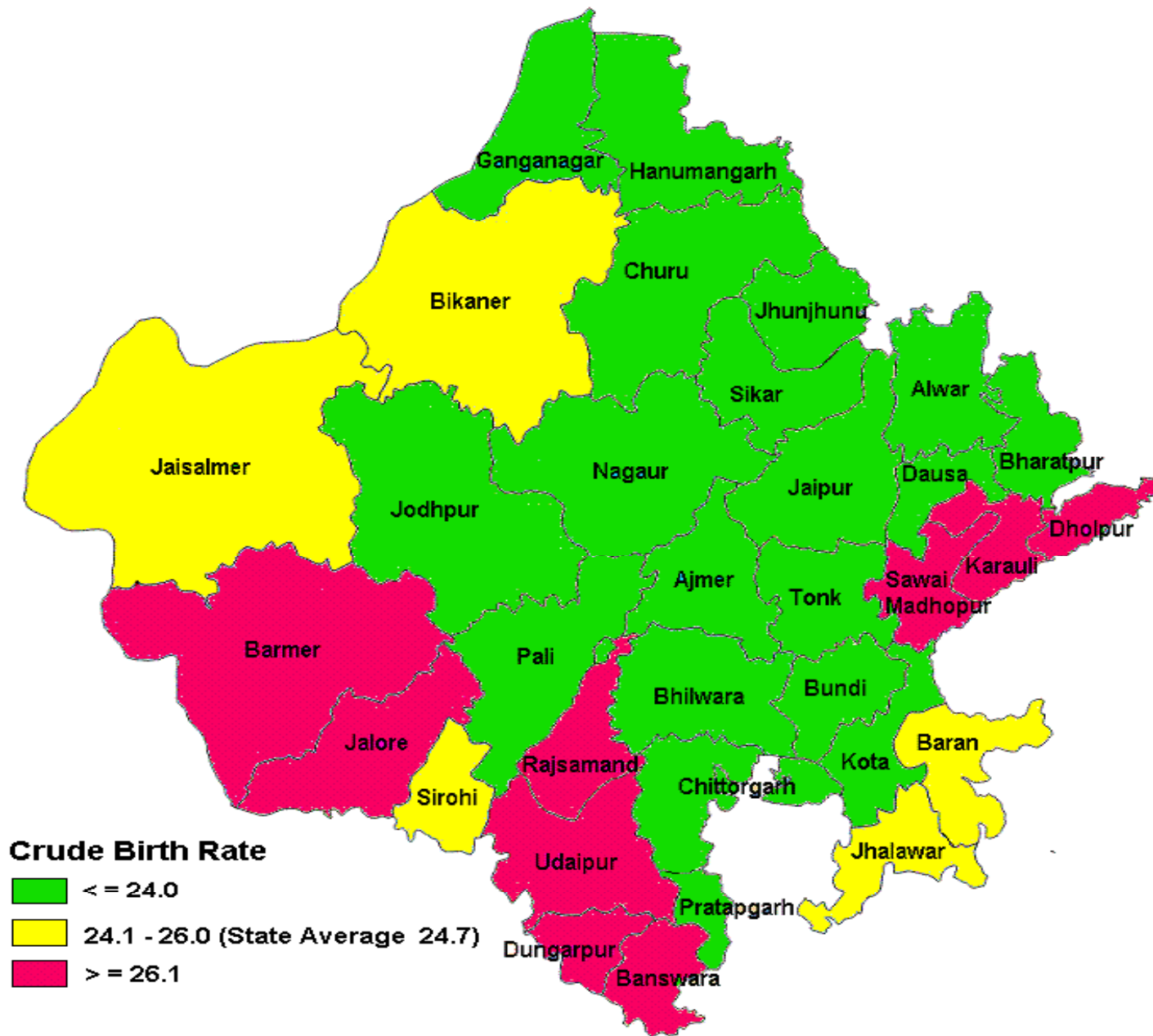


Crude Birth Rate

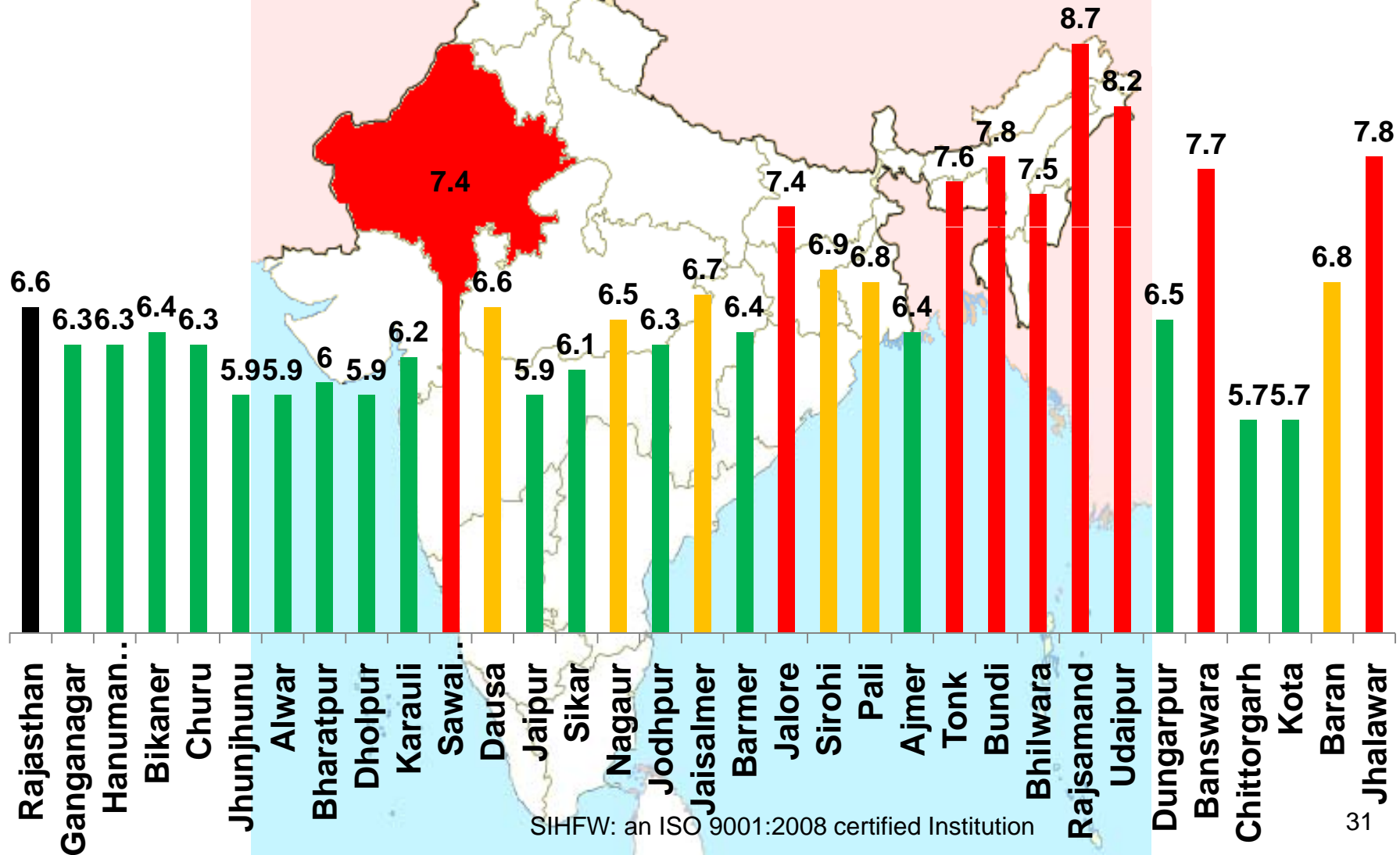




Crude Birth Rate

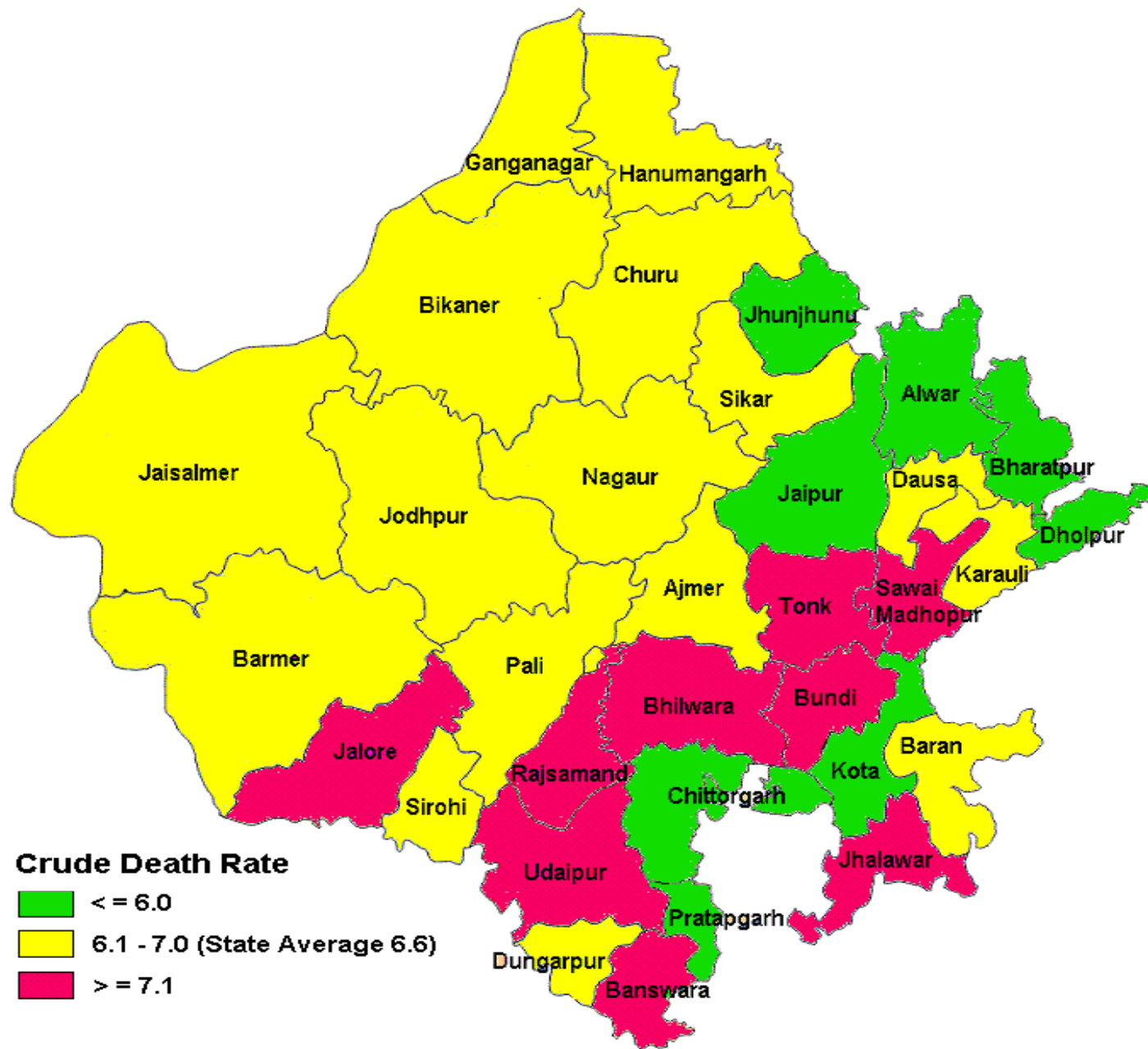


Crude Death Rate

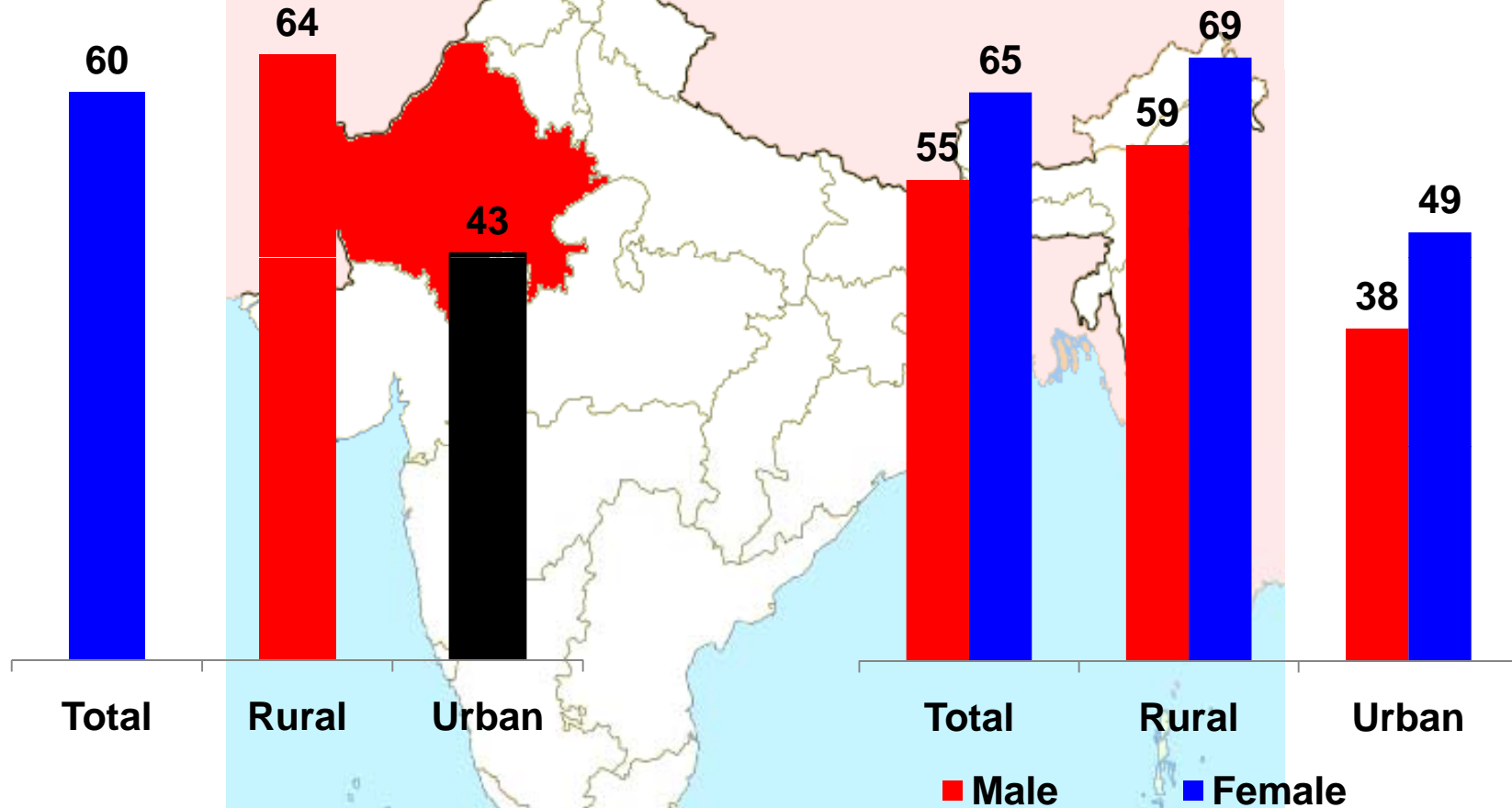




Crude Death Rate

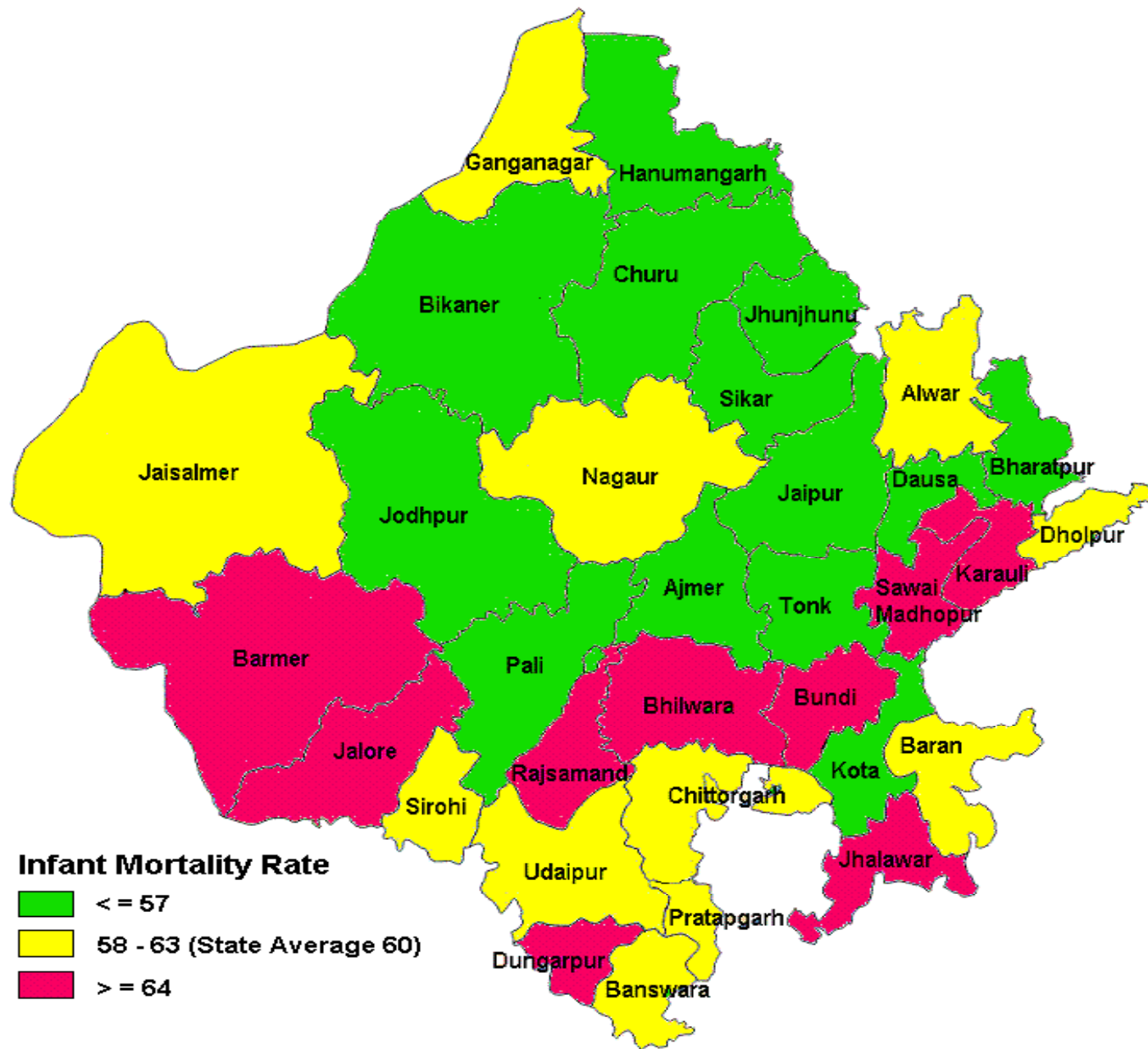


Infant Mortality Rate (Raj.)



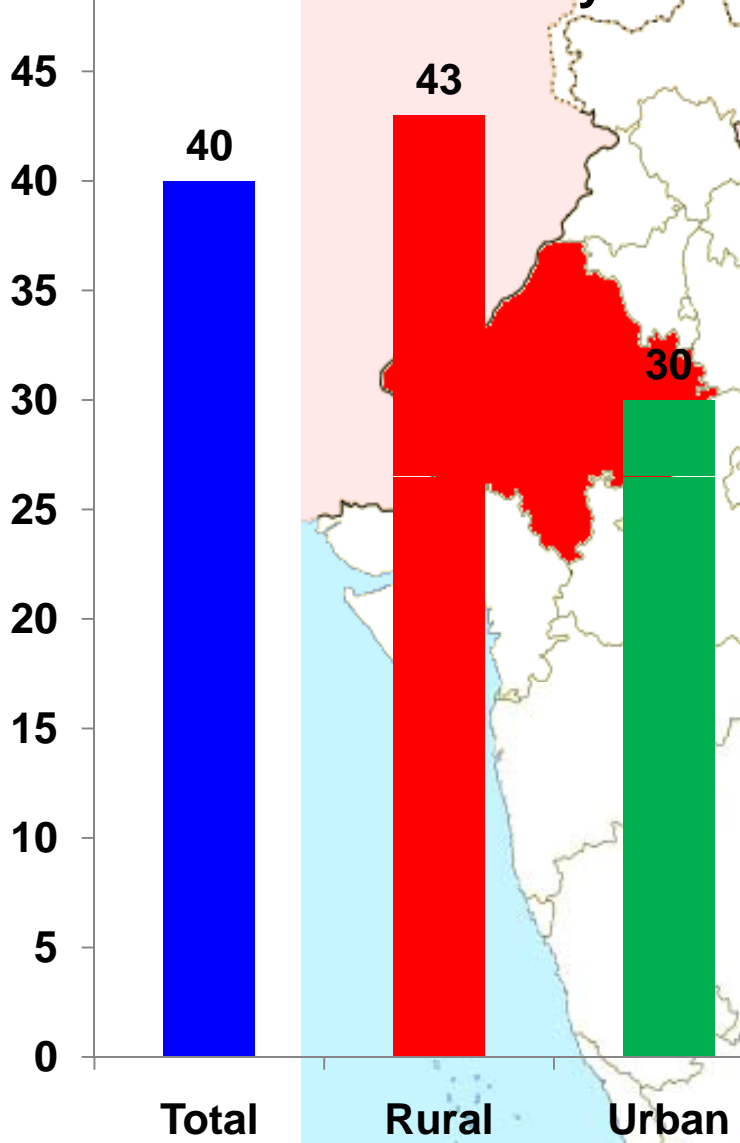


Infant Mortality Rate

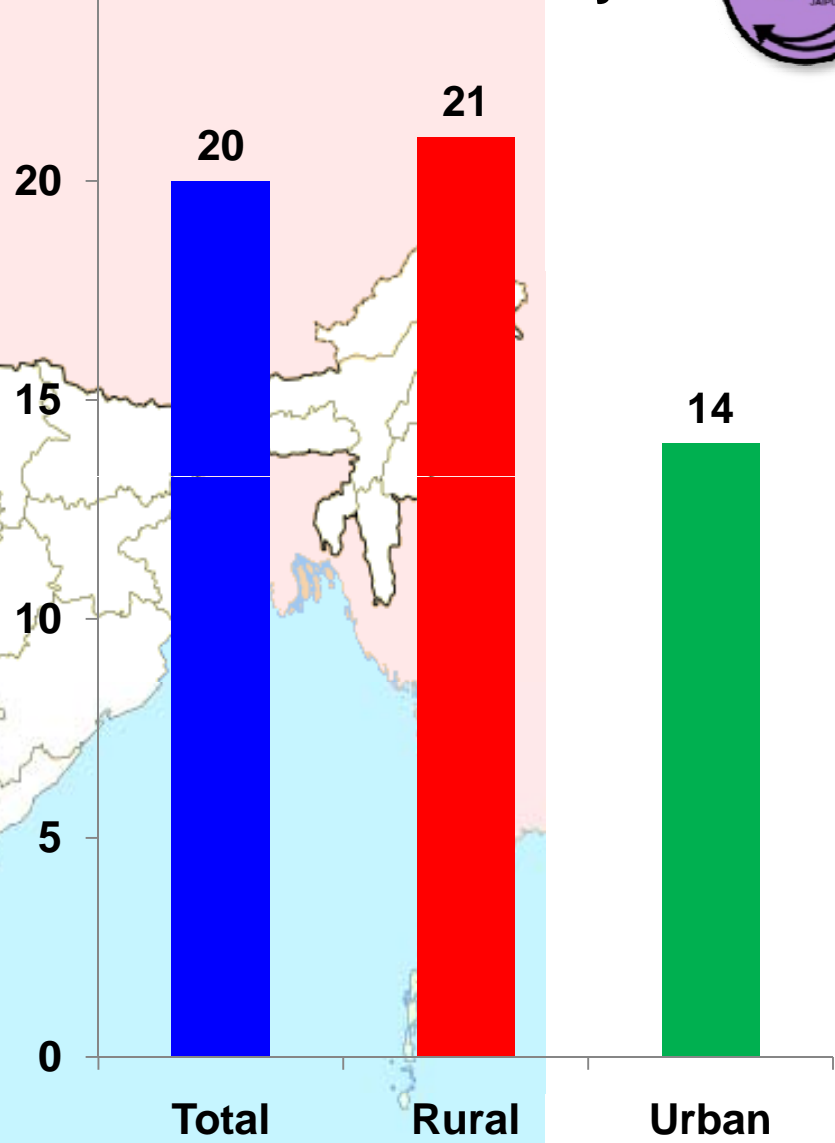




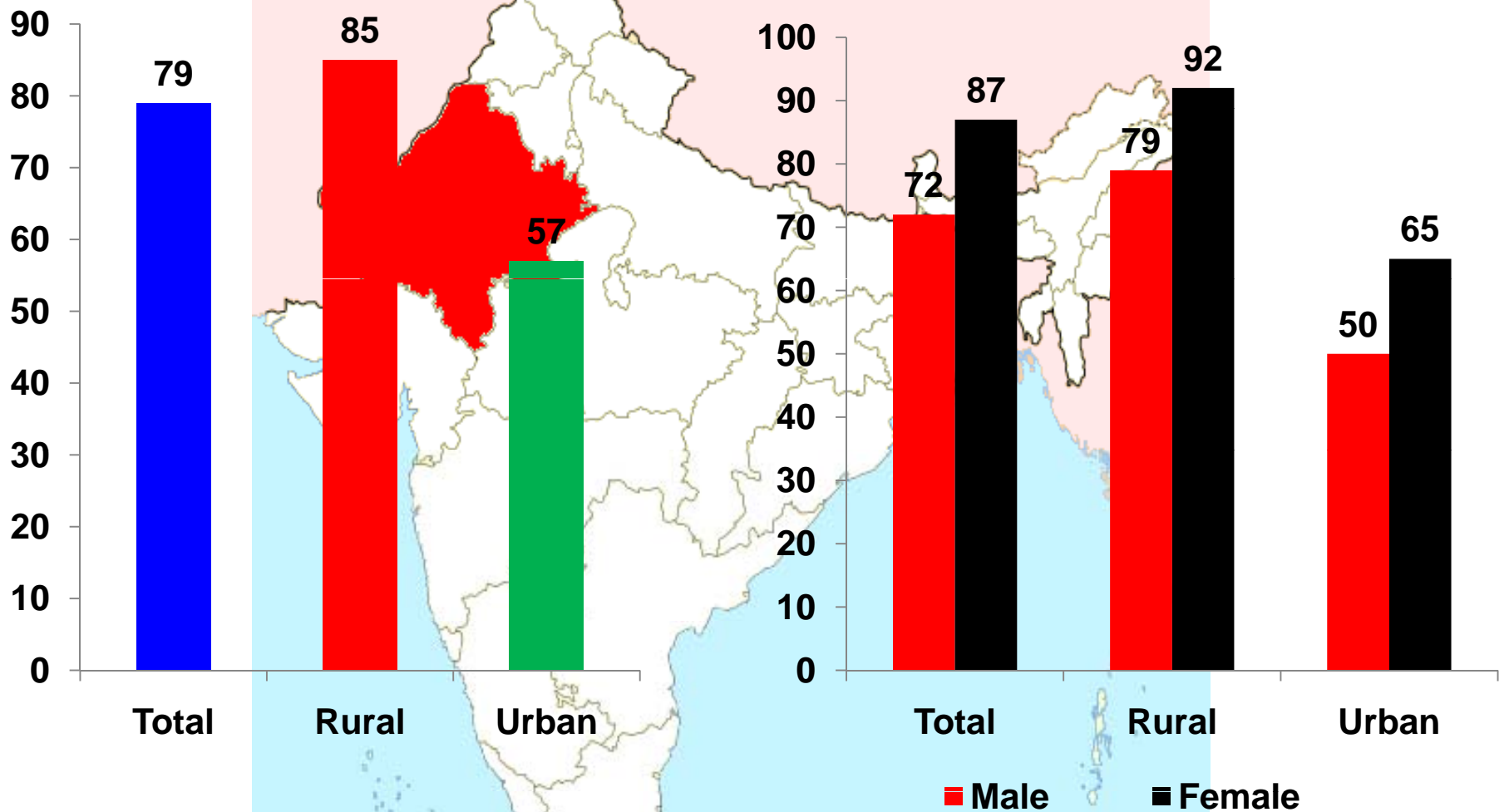
Neo-Natal Mortality Rate



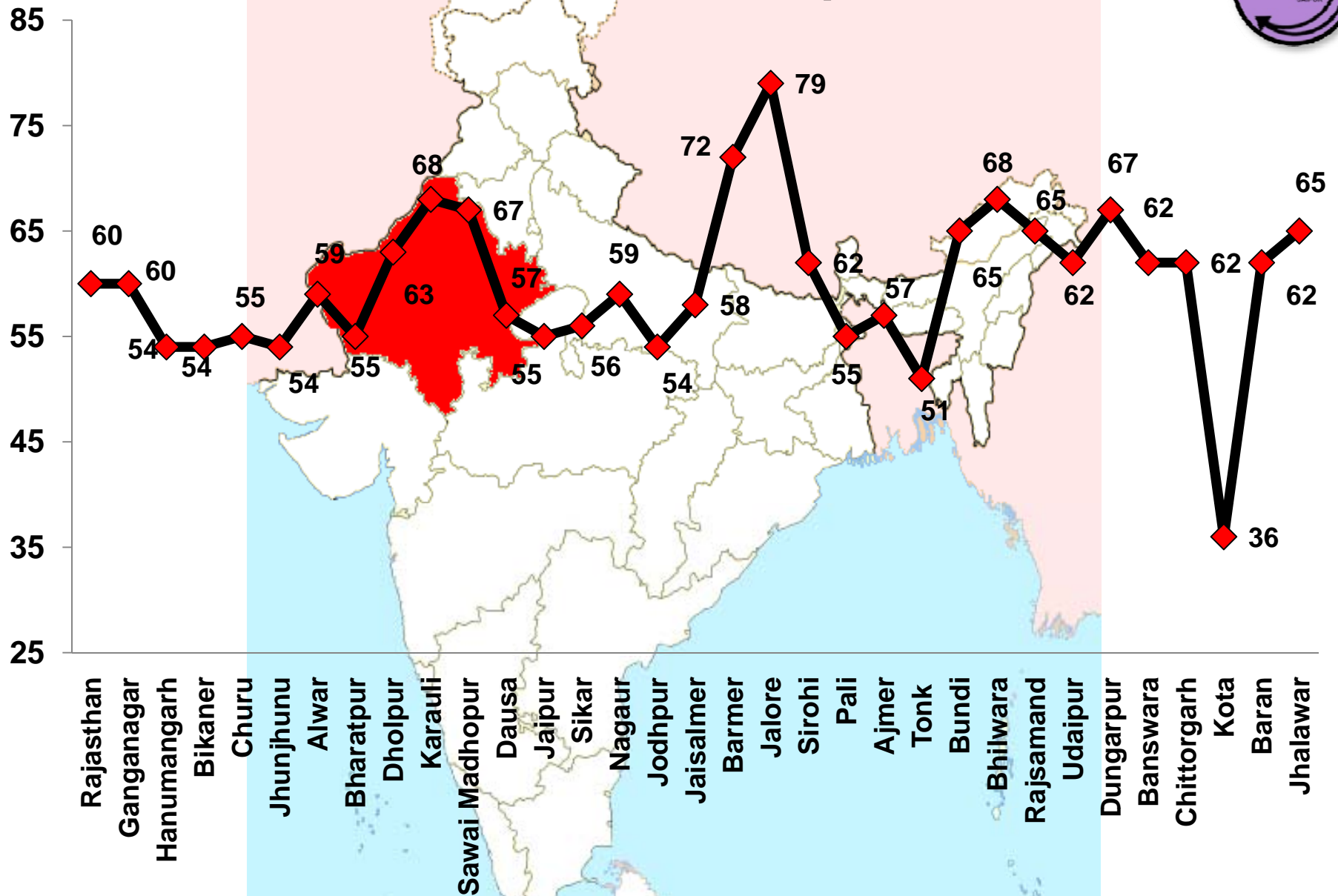
Post Natal Mortality Rate



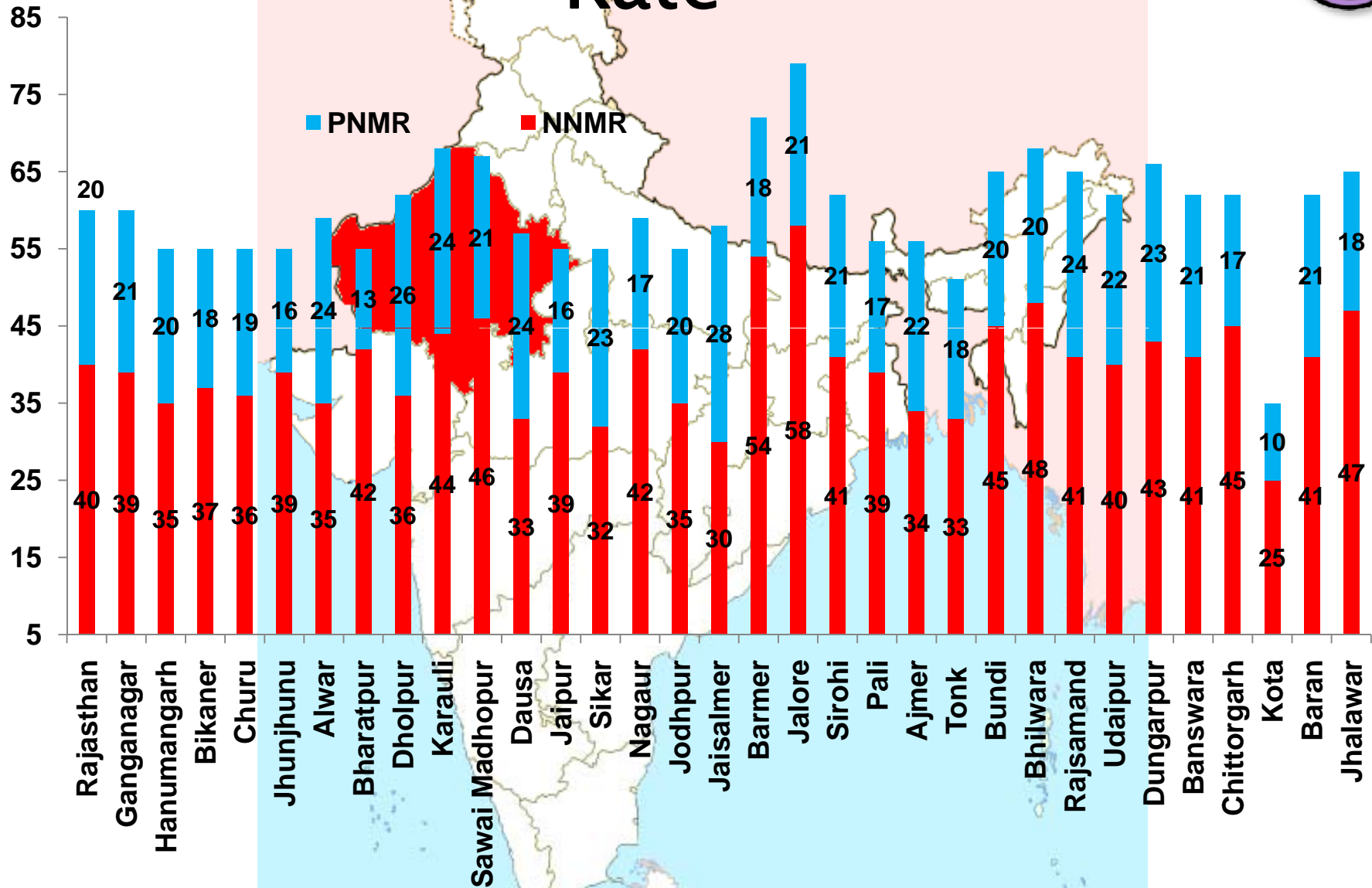
Under 5 Mortality Rate (Raj.)



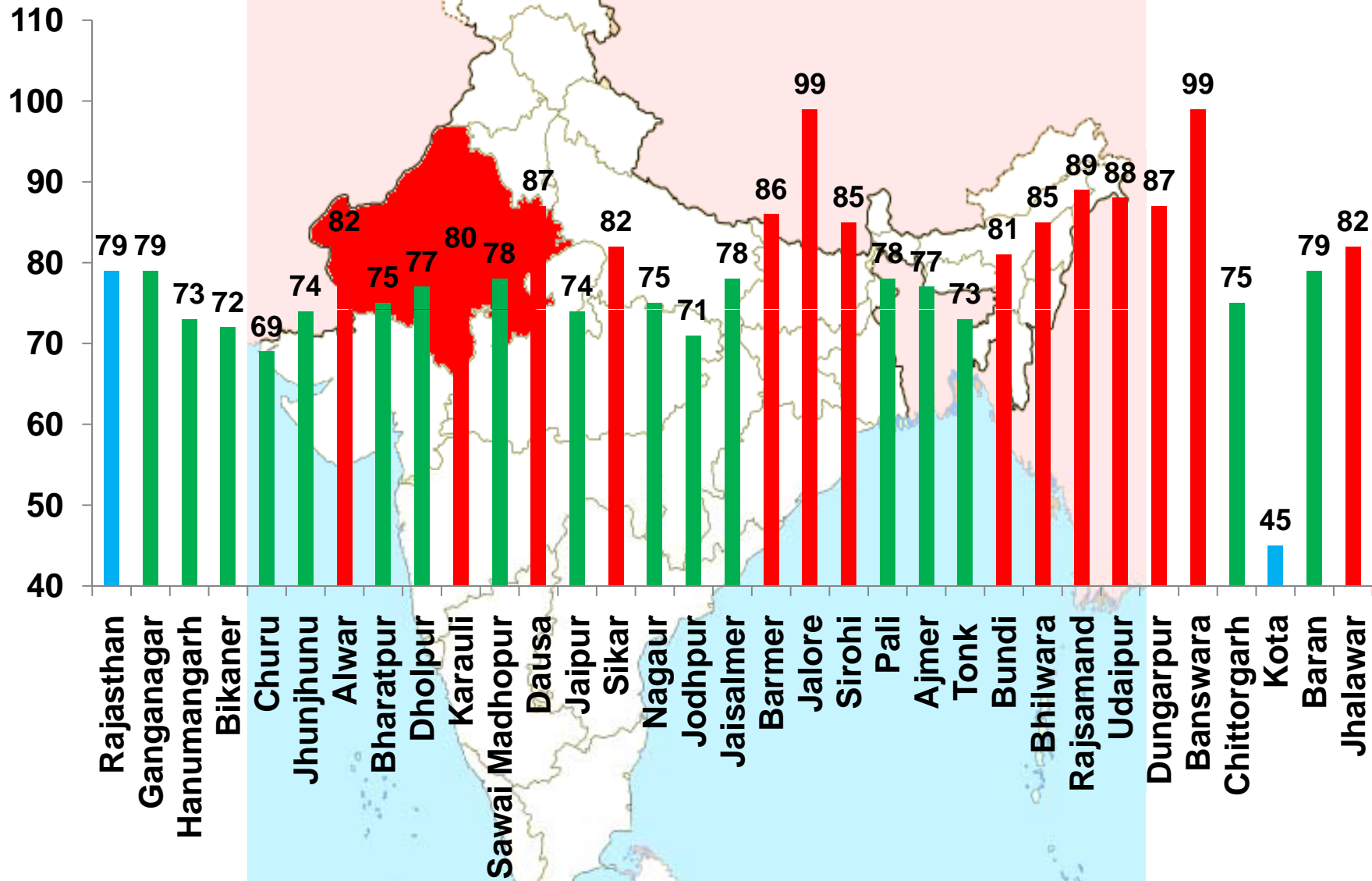
Infant Mortality Rate



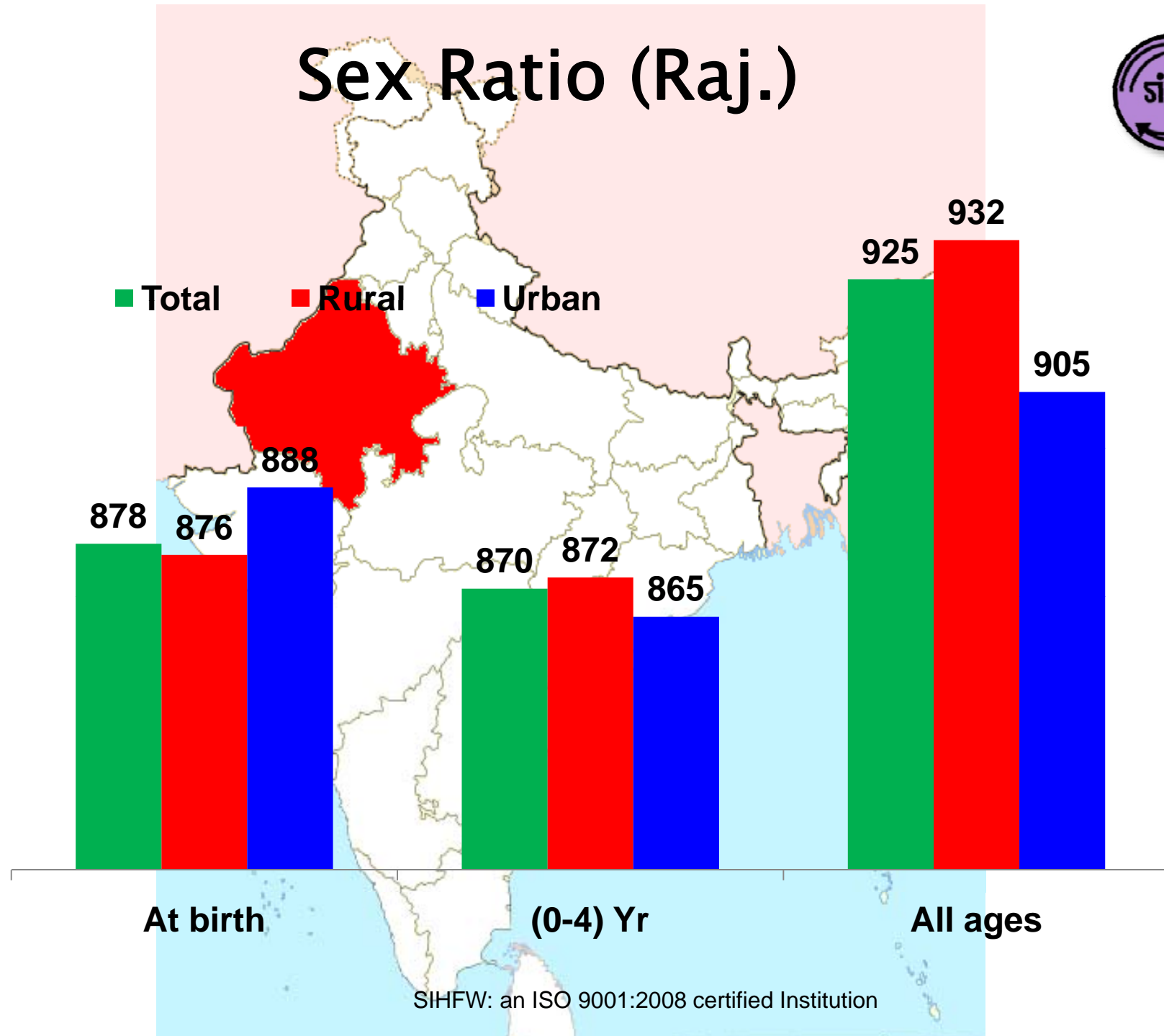
Post Natal & Neo-Natal Mortality Rate



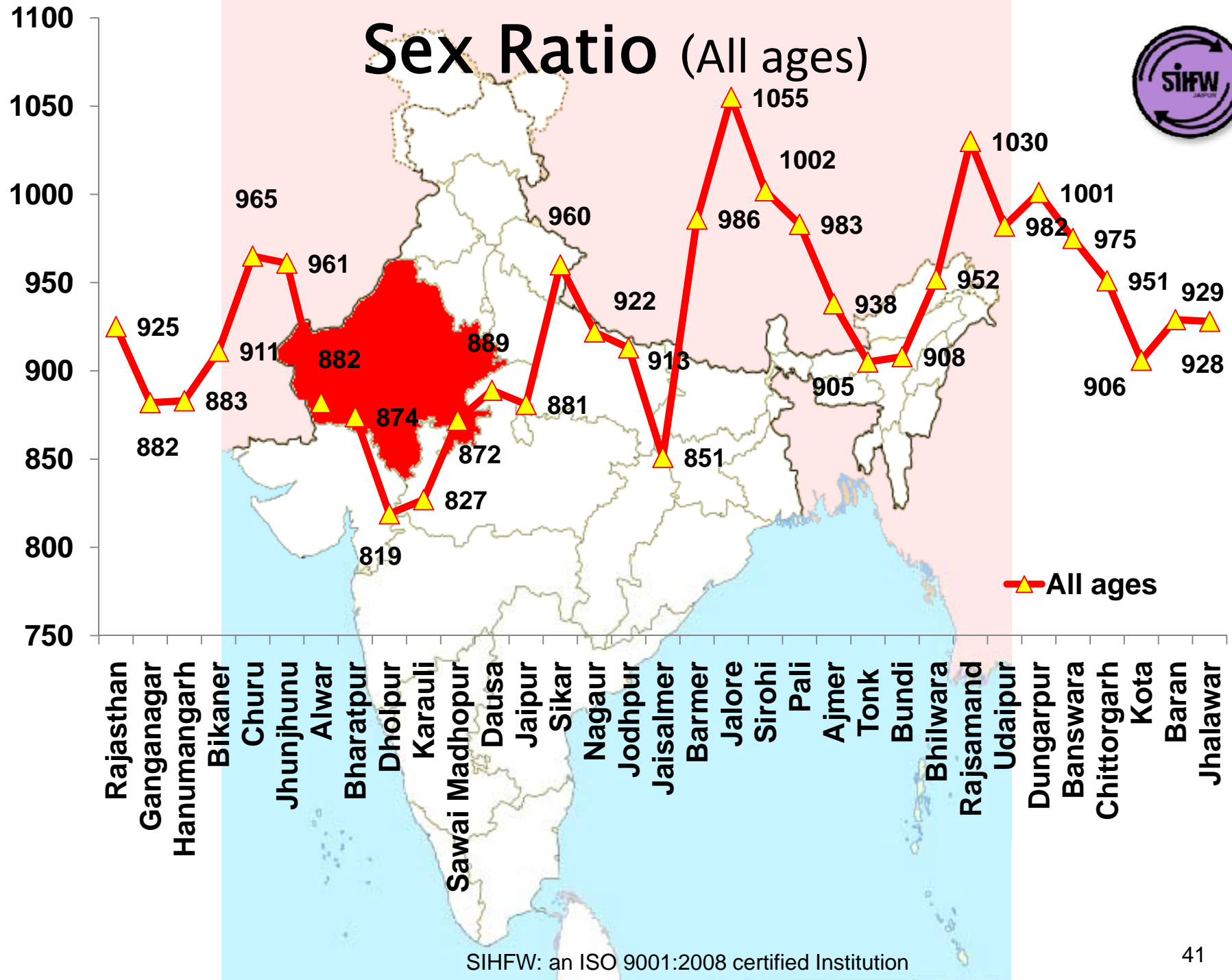
Under 5 Mortality Rate



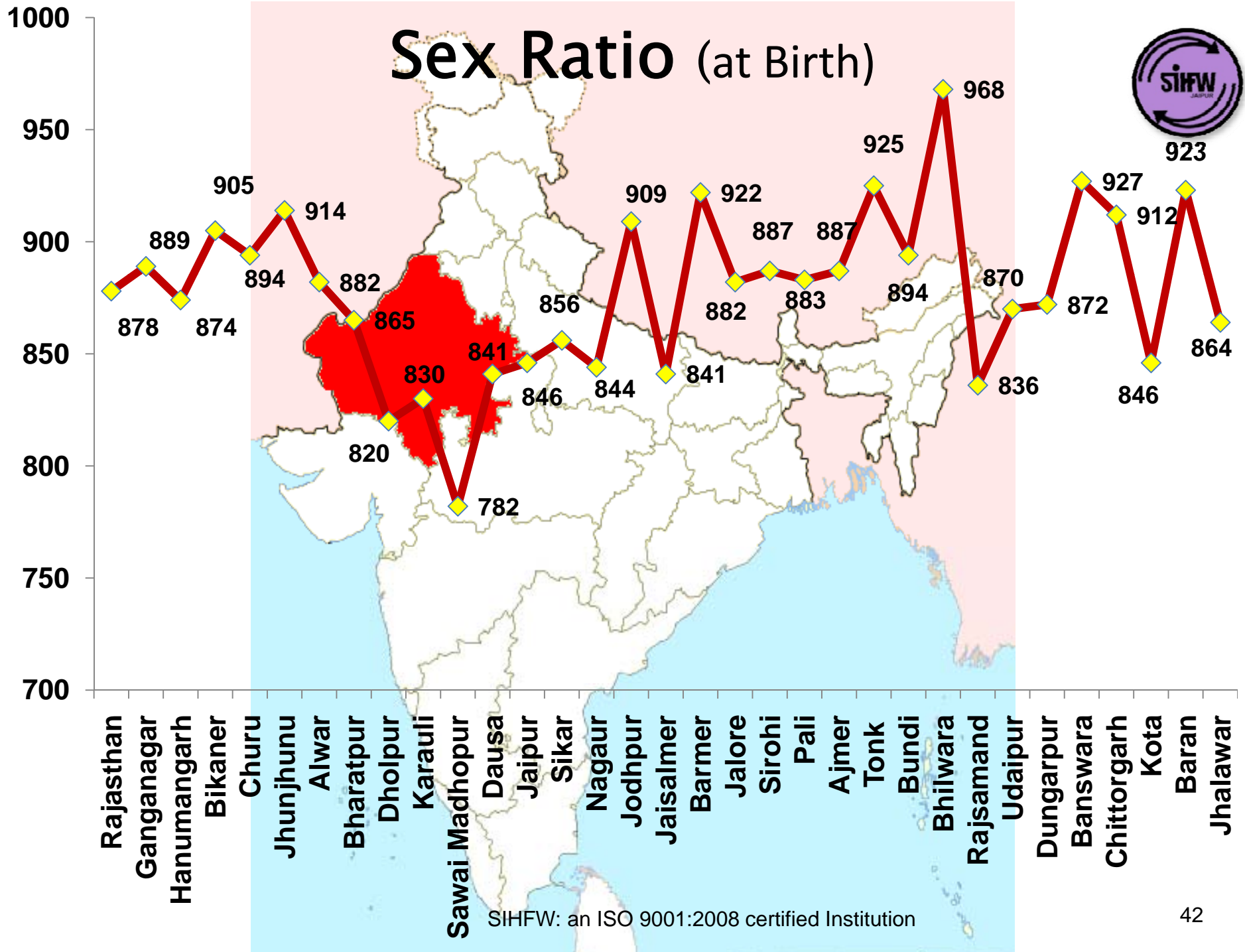
Sex Ratio (Raj.)



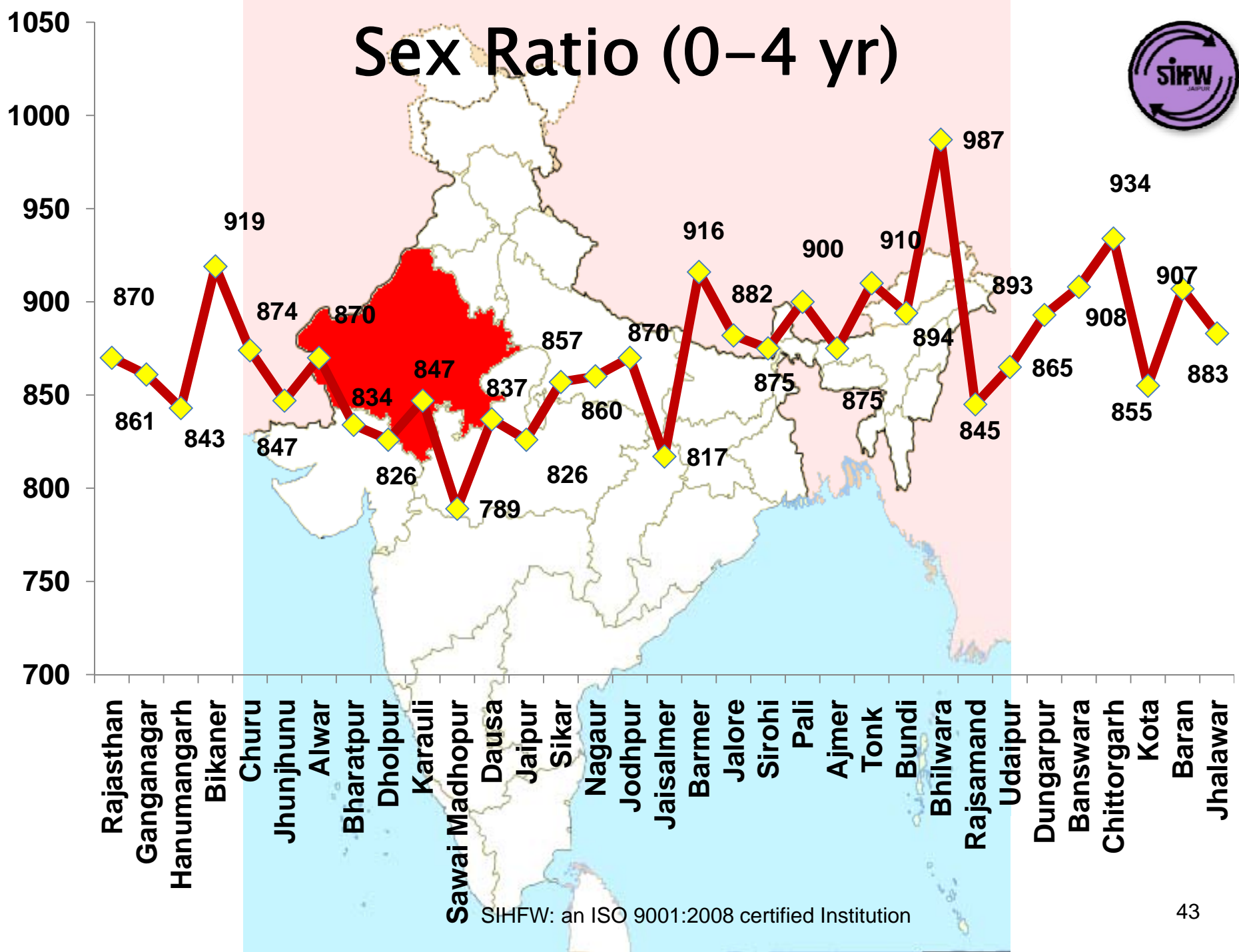
Sex Ratio (All ages)



Sex Ratio (at Birth)

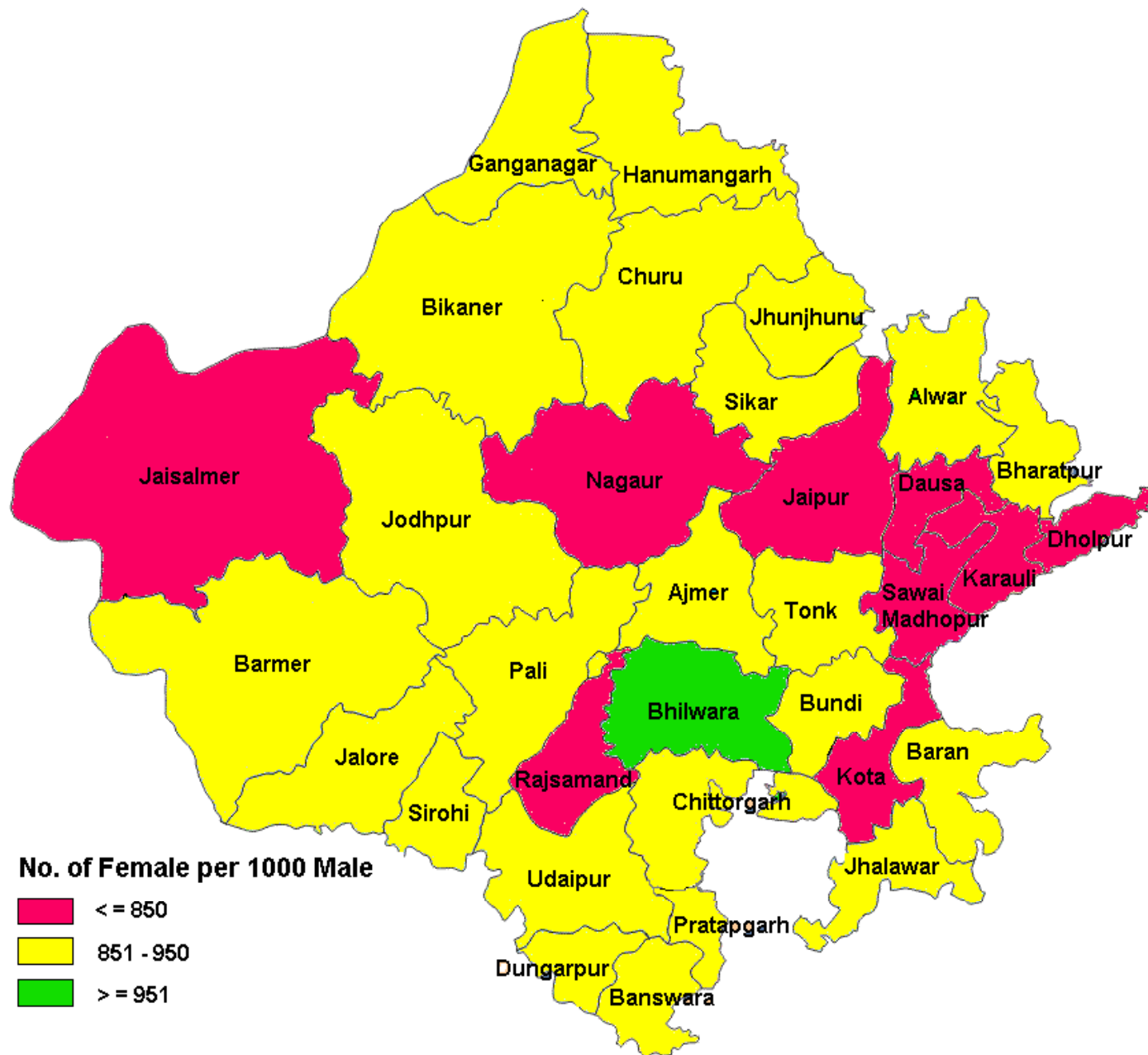


Sex Ratio (0-4 yr)





Sex Ratio at Birth





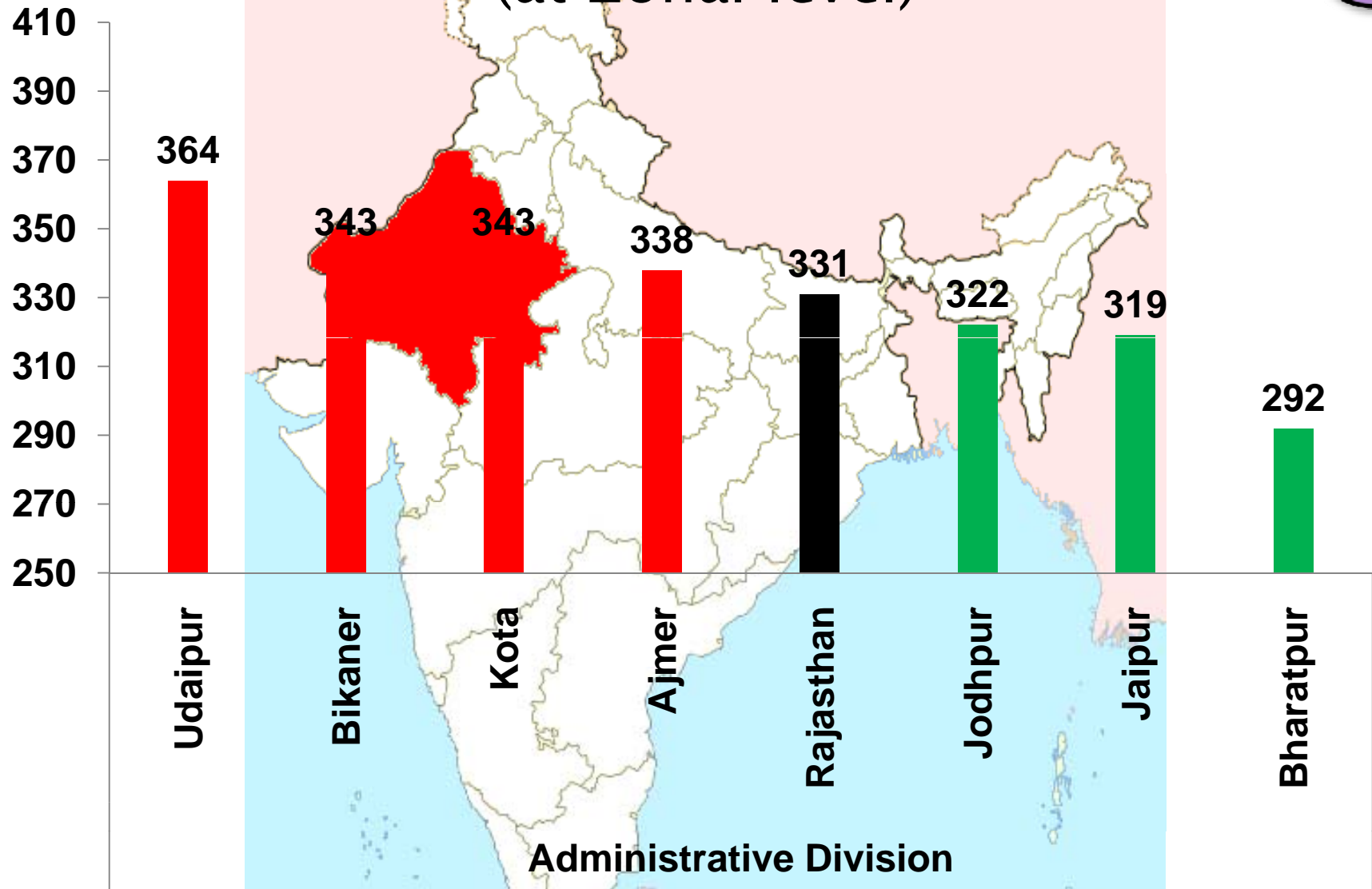
State/Zone /(Districts)	Sample Female Population	Sample Live Births	Maternal Deaths	MMR
Rajasthan	434673	129984	430	331
Bikaner (Ganganagaer, Hanumangarh, Churu, Bikaner)	53055	14854	51	343
Jaipur (Jhunjhunu, Alwar, Dausa,jaipur, Sikar)	90722	25099	80	319
Bharatpur (Bharatpur, Dhaulpur, Karauli, Sawaimadhopur)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



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



Maternal Mortality Ratio (at Zonal level)



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

Thank You

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www.sihfwrajasthan.com

or

contact : Director-SIHFV

on

sihfwraj@yahoo.co.in