# MAHARASHTRA RURAL

All analysis based on data from 33 out of 33 districts

## Enrollment
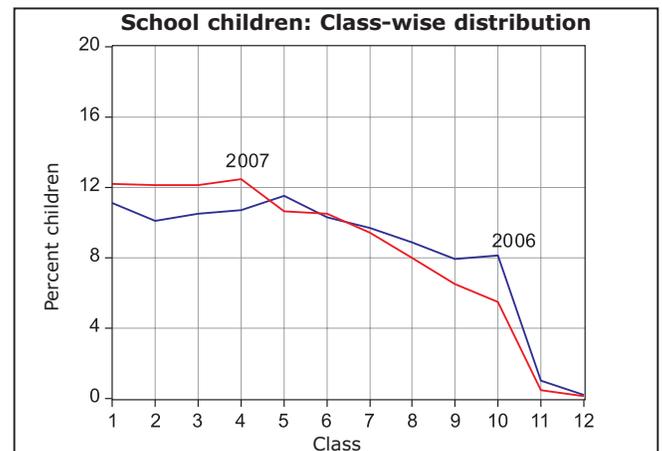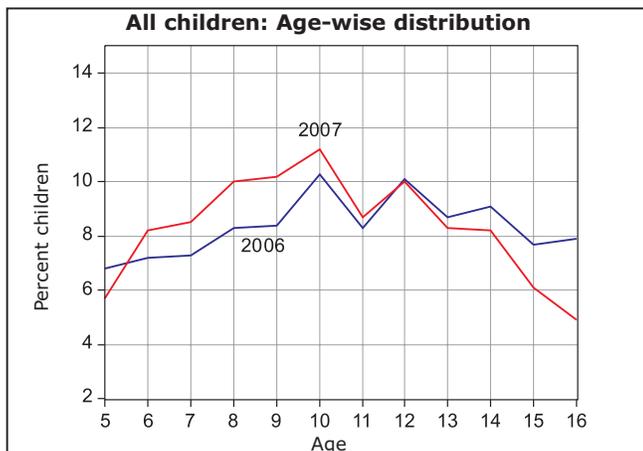
### School enrollment and out of school children 2006 vs. 2007

| | 2006 | | | | | 2007 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | % Children in each age group in different types of schools | | | % Out of school | | % Children in each age group in different types of schools | | | % Out of school | |
| | Govt. | Pvt. | Other (Madarsa + EGS) | Not in School | Total | Govt. | Pvt. | Other (Madarsa + EGS) | Not in School | Total |
| Age: 6 -14 ALL | 77.7 | 18.3 | 0.3 | 3.8 | 100 | 71.9 | 25.8 | 0.5 | 1.8 | 100 |
| Age: 7-16 ALL | 71.0 | 22.6 | 0.3 | 6.1 | 100 | 63.9 | 32.5 | 0.5 | 3.1 | 100 |
| Age: 7- 10 ALL | 88.5 | 8.6 | 0.4 | 2.6 | 100 | 89.2 | 9.4 | 0.6 | 0.8 | 100 |
| Age: 7-10 BOYS | 88.6 | 8.7 | 0.3 | 2.4 | 100 | 88.9 | 9.7 | 0.6 | 0.8 | 100 |
| Age: 7-10 GIRLS | 88.4 | 8.4 | 0.4 | 2.7 | 100 | 89.5 | 9.2 | 0.6 | 0.8 | 100 |
| Age: 11-14 ALL | 64.9 | 29.6 | 0.2 | 5.4 | 100 | 48.3 | 48.2 | 0.4 | 3.1 | 100 |
| Age: 11-14 BOYS | 65.2 | 29.9 | 0.2 | 4.7 | 100 | 48.5 | 47.8 | 0.4 | 3.2 | 100 |
| Age: 11-14 GIRLS | 64.5 | 29.2 | 0.2 | 6.1 | 100 | 48.0 | 48.7 | 0.4 | 3.0 | 100 |
| Age: 15-16 ALL | 46.9 | 37.5 | 0.2 | 15.5 | 100 | 21.9 | 66.0 | 0.4 | 11.7 | 100 |
| Age: 15-16 BOYS | 47.8 | 37.3 | 0.2 | 14.7 | 100 | 24.0 | 65.3 | 0.3 | 10.4 | 100 |
| Age: 15-16 GIRLS | 45.8 | 37.7 | 0.2 | 16.4 | 100 | 19.4 | 66.9 | 0.5 | 13.1 | 100 |

Note: "Not in school" includes children who have never gone to school or have dropped out.

## Age and Class

### Age-wise and class-wise distribution of children in sample



All children: Age-wise distribution



School children: Class-wise distribution

## Young Children

### In pre-school (Balwadi/Anganwadi) or in school 2006 vs. 2007

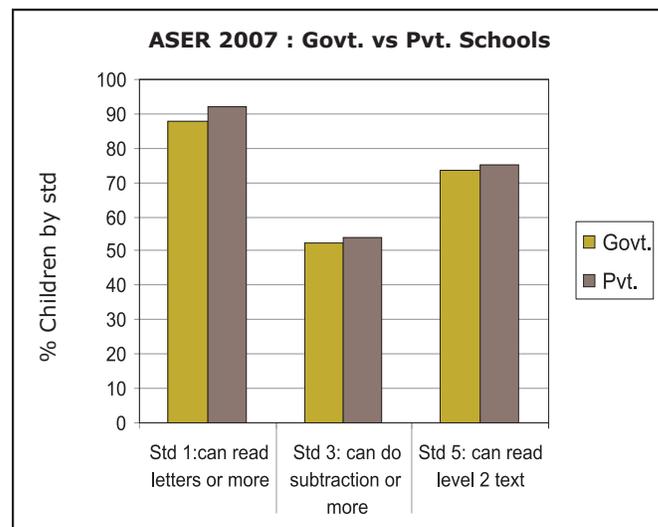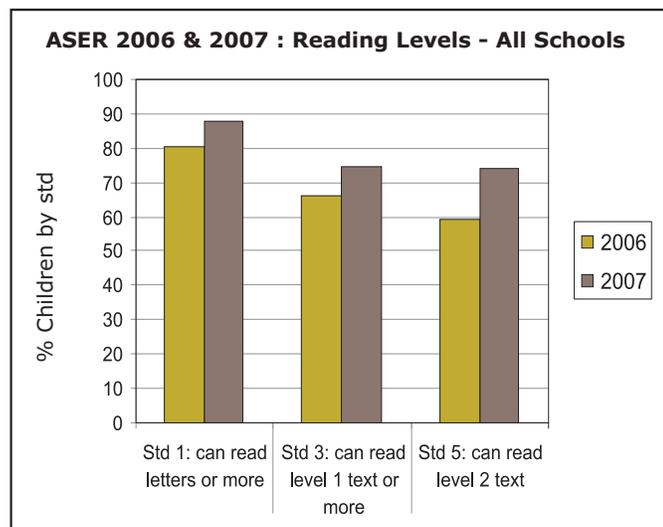| | 2006 | | | | | | 2007 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | % Children | | | | | | % Children | | | | | |
| | In balwadi or anganwadi | In School | | | Not going anywhere | Total | In balwadi or anganwadi | In School | | | Not going anywhere | Total |
| | | Govt. | Pvt. | Other School | | | | Govt. | Pvt. | Other School | | |
| Age: 3 ALL | 85.0 | | | | 15.0 | 100 | 87.2 | | | | 12.8 | 100 |
| Age: 4 ALL | 94.7 | | | | 5.3 | 100 | 97.0 | | | | 3.0 | 100 |
| Age: 5 ALL | 90.8 | 4.5 | 0.9 | 0.0 | 3.8 | 100 | 87.1 | 8.7 | 2.3 | 0.2 | 1.9 | 100 |
| Age: 6 ALL | 5.7 | 86.0 | 6.5 | 0.2 | 1.5 | 100 | 10.1 | 82.2 | 6.2 | 0.5 | 1.0 | 100 |

# Learning Level

## Reading level: % Children who can read

| Std. | Nothing | Letter | Word | Level 1 (Std 1) Text | Level 2 (Std 2 text) | Total |
|------|---------|--------|------|------|------|-------|
| I | 12.2 | 43.1 | 32.2 | 7.5 | 5.1 | 100 |
| II | 3.5 | 15.7 | 32.5 | 31.6 | 16.7 | 100 |
| III | 1.9 | 6.2 | 17.1 | 38.0 | 36.8 | 100 |
| IV | 1.0 | 2.5 | 8.1 | 29.0 | 59.4 | 100 |
| V | 0.6 | 1.6 | 5.3 | 18.5 | 74.1 | 100 |
| VI | 0.6 | 1.1 | 3.0 | 13.3 | 82.1 | 100 |
| VII | 0.8 | 0.6 | 2.1 | 9.0 | 87.5 | 100 |
| VIII | 0.6 | 0.5 | 1.2 | 6.8 | 90.9 | 100 |
| Total | 2.9 | 9.9 | 13.9 | 20.2 | 53.2 | 100 |

## Arithmetic level: % Children who can

| Std. | Nothing | Recognize Numbers | | Subtract | Divide | Total |
|------|---------|------|-------|----------|--------|-------|
| | | 1–9 | 10–99 | | | |
| I | 10.5 | 52.5 | 31.2 | 5.1 | 0.7 | 100 |
| II | 3.4 | 22.4 | 50.1 | 21.4 | 2.7 | 100 |
| III | 1.9 | 10.0 | 36.0 | 42.4 | 9.8 | 100 |
| IV | 1.1 | 4.7 | 23.8 | 42.7 | 27.8 | 100 |
| V | 0.9 | 3.1 | 14.9 | 36.8 | 44.3 | 100 |
| VI | 0.7 | 1.7 | 11.3 | 31.1 | 55.3 | 100 |
| VII | 0.9 | 1.3 | 9.8 | 23.0 | 65.1 | 100 |
| VIII | 0.6 | 0.8 | 8.0 | 17.2 | 73.4 | 100 |
| Total | 2.7 | 13.3 | 24.6 | 27.9 | 31.6 | 100 |

Only subtraction and division data comparable with previous ASER.

## Comparisons



ASER 2006 & 2007 : Reading Levels - All Schools



ASER 2007 : Govt. vs Pvt. Schools

## English reading level: % Children who

| Std. | Cannot read capital letters | Can read capital letters | Can read small letters | Can read simple words | Can read easy sentences | Total |
|------|------|------|------|------|------|-------|
| I | 71.9 | 16.8 | 7.6 | 2.6 | 1.0 | 100 |
| II | 48.0 | 25.5 | 17.2 | 6.6 | 2.7 | 100 |
| III | 30.4 | 25.9 | 22.5 | 15.5 | 5.8 | 100 |
| IV | 16.7 | 23.8 | 23.7 | 23.2 | 12.6 | 100 |
| V | 5.8 | 14.1 | 18.0 | 33.0 | 29.1 | 100 |
| VI | 3.8 | 10.9 | 12.3 | 29.5 | 43.5 | 100 |
| VII | 3.5 | 8.6 | 8.4 | 24.7 | 54.9 | 100 |
| VIII | 2.4 | 5.7 | 6.0 | 18.4 | 67.5 | 100 |
| Total | 25.0 | 17.3 | 15.1 | 18.6 | 24.0 | 100 |

## English comprehension

| Std. | Of those who can read words, % who can tell meaning of the words | Of those who can read sentences, % who can tell meaning of sentences |
|------|------|------|
| I | 38.1 | 81.2 |
| II | 51.4 | 65.1 |
| III | 60.6 | 77.2 |
| IV | 66.8 | 81.6 |
| V | 70.6 | 80.6 |
| VI | 69.6 | 80.8 |
| VII | 69.6 | 81.3 |
| VIII | 68.9 | 83.3 |
| Total | 66.7 | 81.3 |

# Comprehension & Problem solving

## Ability of children by reading level to read and answer orally

### Children in age group : 6 to 10

| Reading level | % Children in specific reading level | % at each level who can orally answer questions | |
|---|---|---|---|
| | | based on Std 1 level text only | based on Std 2 level text |
| Word | 21.5 | 12.0 | 4.5 |
| Std 1 level text | 25.9 | 73.7 | 23.6 |
| Std 2 level text | 32.7 | 94.0 | 83.4 |

### Children in age group : 11 to 14

| Reading level | % Children in specific reading level | % at each level who can orally answer questions | |
|---|---|---|---|
| | | based on Std 1 level text only | based on Std 2 level text |
| Word | 2.8 | 23.5 | 11.0 |
| Std 1 level text | 12.4 | 79.2 | 39.1 |
| Std 2 level text | 83.2 | 96.6 | 91.8 |

## Ability of children by age to listen to a subtraction problem and answer

### In-school children

| Age group | % Children who can solve | | |
|---|---|---|---|
| | None | Simple problem only | Both problems |
| 6 to 8 | 69.9 | 8.5 | 20.8 |
| 9 to 10 | 29.8 | 11.3 | 57.7 |
| 11 to 14 | 11.5 | 6.6 | 80.9 |

### Children not in-school

| Age group | % Children who can solve | | |
|---|---|---|---|
| | None | Simple problem only | Both problems |
| 6 to 8 | 88.7 | 2.9 | 7.7 |
| 9 to 10 | 65.6 | 4.8 | 29.7 |
| 11 to 14 | 50.8 | 7.2 | 41.0 |

हिवाळा सुरू झाला.
थंडी लागू लागली.
मी गरम कपडे घातले.
आईने शाल पांघरली.

प्रश्न १) मी कसले कपडे घातले ?
प्रश्न २) थंडी कधी पडायला लागली ?

सोनू आणि मोनू जिवलग मित्र होते. दोघे नेहमी सोबत असायचे. फिरायला सोबत जायचे. कामालाही सोबत जायचे. सोबत जेवायचे. दोघे सारख्याच रंगाचे कपडे वापरायचे. सोनूने लाल शर्ट शिवला की मोनू पण लाल शर्ट शिवत असे. मोनूने निळी पँट शिवली की सोनूही निळी पँट शिवायचा. त्यामुळे कधी कधी लोकांना दोघे सख्खे भाऊ वाटत. दोघांना सोबत बघून लोकांना गंमतच वाटे. सोनू आणि मोनूलाही आपल्या मैत्रीचा अभिमान वाटत असे.

प्रश्न ३) लोकांना सोनू आणि मोनू कोण वाटत ?
प्रश्न ४) सोनू आणि मोनू कोण होते ?

१) तुमच्याकडे ५० रुपये आहेत त्यातील २५ रुपयांची बॅट घेतली तर आता तुमच्याकडे किती रुपये बाकी उरले ?

२) वसंतकडे ५० रुपये आहेत त्यातील ३९ रुपयांची भाजी घेतली. तर आता वसंतकडे किती रुपये बाकी राहिले ?

## Ability of children by arithmetic level to listen to a subtraction problem and answer

### Children in age group : 6 to 10

| Arithmetic level | % Children in specific arithmetic level | % Children in specific arithmetic level who can solve | | |
|---|---|---|---|---|
| | | None | Simple problem only | Both problems |
| Number recognition 10-99 | 34.1 | 67.6 | 11.2 | 20.3 |
| Subtraction | 28.2 | 19.0 | 16.6 | 62.7 |
| Division | 12.9 | 3.2 | 3.6 | 92.5 |

### Children in age group : 11 to 14

| Arithmetic level | % Children in specific arithmetic level | % Children in specific arithmetic level who can solve | | |
|---|---|---|---|---|
| | | None | Simple problem only | Both problems |
| Number recognition 10-99 | 11.1 | 49.0 | 11.2 | 38.6 |
| Subtraction | 28.1 | 11.4 | 12.4 | 74.7 |
| Division | 58.2 | 1.8 | 3.0 | 94.6 |

## School going children attending tuition class

| Std. | I | II | III | IV | V | VI | VII | VIII |
|---|---|---|---|---|---|---|---|---|
| | % Children | | | | | | | |
| Govt. school | 3.3 | 4.0 | 4.9 | 5.6 | 7.3 | 7.2 | 7.9 | 10.6 |
| Pvt. school | 23.1 | 22.4 | 21.4 | 19.8 | 13.2 | 12.2 | 11.8 | 12.0 |

## School Observations: Schools visited - Primary (Std 1-4/5): 480; Primary+Upper-primary (Std 1-8): 403

| Teacher attendance | 2005 | | 2007 | |
|---|---|---|---|---|
| | Std. 1-4/5 | Std. 1-8 | Std. 1-4/5 | Std. 1-8 |
| % teachers attending (average) | 86.0 | 83.7 | 94.0 | 90.0 |
| % schools with no teacher present | 3.1 | 3.7 | 0.0 | 0.0 |
| % schools with all teachers present | 65.4 | 46.9 | 82.9 | 63.6 |

| Children's attendance | 2005 | | 2007 | |
|---|---|---|---|---|
| | Std. 1-4/5 | Std. 1-8 | Std. 1-4/5 | Std. 1-8 |
| % enrolled children attending (average) | 83.2 | 83.2 | 91.7 | 92.6 |
| % schools with less than 50% enrolled children attending | 4.9 | 3.2 | 0.9 | 0.0 |
| % schools with 75% and more enrolled children attending | 80.3 | 82.2 | 93.6 | 97.6 |

| Pupil teacher ratio (median) | 2005 | | 2007 | |
|---|---|---|---|---|
| | Std. 1-4/5 | Std. 1-8 | Std. 1-4/5 | Std. 1-8 |
| Based on children enrolled & teachers appointed | 29.6 | 29.5 | 28.5 | 28.6 |
| Based on children & teachers present | 27.2 | 28.7 | 27.9 | 29.3 |

| School grants and teacher grants | 2006 | | 2007* | |
|---|---|---|---|---|
| | Std. 2 | Std. 4 | Std. 2 | Std. 4 |
| | % Schools | | | |
| Teacher received TLM grant | 98.1 | 97.7 | 91.4 | 91.5 |
| School received school maintenance grant | 96.0 | | 83.9 | |

| Water/toilet and midday meal | 2005 | | 2007 | |
|---|---|---|---|---|
| | Std. 1-4/5 | Std. 1-8 | Std. 1-4/5 | Std. 1-8 |
| | % Schools | | | |
| Schools with no water provision | 40.1 | 29.2 | 28.5 | 16.9 |
| Schools with water provision but water not available | 7.8 | 9.7 | 7.1 | 7.8 |
| Schools with water provision and water available | 52.1 | 61.1 | 64.4 | 75.3 |
| Schools with no toilet provision | 39.8 | 22.8 | 15.5 | 8.6 |
| Schools with toilet provision but not being used | 14.1 | 19.6 | 8.2 | 8.6 |
| Schools with toilet provision and use | 46.1 | 57.6 | 76.3 | 82.9 |
| Schools with midday meal being served on that day | 86.3 | 81.6 | 98.5 | 99.2 |

| Multigrade classes | 2007 | |
|---|---|---|
| | Std. 1-4/5 | Std. 1-8 |
| Schools in which… | % Schools | |
| Std II class sits with another class | 48.9 | 27.9 |
| Std IV class sits with another class | 45.6 | 23.8 |

Over 90% classes that were visited have blackboards. In over 90% of these classes, most children have textbooks, notebooks and pen or pencil.

Please note that while 2005 data was collected during ASER 2005, 2006 data reported in the Grants table was collected in ASER 2007 by asking for last year's grant information to the respondent.



Note: ASER 2007 survey was carried out in October and November 2007. One govt. school with primary grades was visited in the sampled village. If there was more than one govt. school with primary grades, then the school with the highest enrollment was visited. Hence the schools visited in the survey do not represent a random sample from the district. The school visits were generally done either on a Saturday or a Monday.
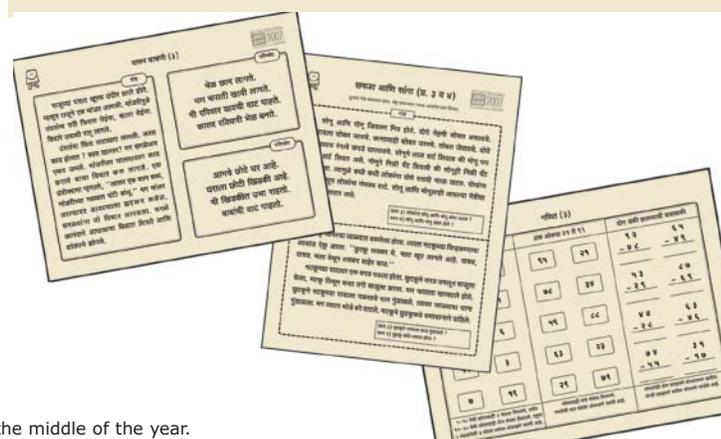
*Grants for 2007 may be lower than 2006 since the survey was conducted in the middle of the year.

# Performance of districts

| District | Pre- school<br>% Children (Age 3-4) in **Anganwadi** or other pre-school | Out of school<br>% Children (Age 6-14) **Out of school** | Private school<br>% Children (Age 6-14) in **Private school** | Std 1-2 : Learning levels<br>% Children (Std 1-2) who **CAN READ** letters, words or more in **OWN LANGUAGE** | % Children (Std 1-2) who **CAN RECOGNIZE NUMBERS** (1-9) or more | % Children (Std 1-2) who **CAN READ** letters or more in **ENGLISH** | Std 3-5 : Learning levels<br>% Children (Std 3-5) who **CAN READ** Level 1 (Std 1) text or more in **OWN LANGUAGE** | % Children (Std 3-5) who **CAN SUBTRACT** or do more | % Children (Std 3-5) who **CAN READ** sentences in **ENGLISH** |
|---|---|---|---|---|---|---|---|---|---|
| Nandurbar | 95.0 | 9.2 | 15.8 | 69.7 | 69.4 | 18.9 | 71.6 | 44.6 | 15.2 |
| Dhule | 97.6 | 2.7 | 40.0 | 90.8 | 92.1 | 50.5 | 84.3 | 33.0 | 16.5 |
| Jalgaon | 97.7 | 1.1 | 27.8 | 99.1 | 99.5 | 23.3 | 91.4 | 61.2 | 11.0 |
| Buldana | 91.9 | 1.4 | 13.6 | 95.2 | 95.7 | 69.4 | 85.5 | 84.7 | 35.3 |
| Akola | 100.0 | 3.4 | 31.4 | 77.2 | 79.0 | 40.4 | 87.9 | 73.8 | 31.7 |
| Washim | 95.0 | 1.6 | 23.5 | 91.0 | 94.8 | 58.9 | 81.6 | 76.0 | 19.3 |
| Amravati | 97.6 | 1.1 | 38.5 | 87.2 | 87.7 | 40.9 | 76.0 | 52.4 | 17.3 |
| Wardha | 98.5 | 1.2 | 26.0 | 95.9 | 92.7 | 56.3 | 88.4 | 67.2 | 12.5 |
| Nagpur | 99.1 | 0.4 | 41.7 | 92.4 | 93.0 | 37.8 | 83.2 | 67.0 | 8.4 |
| Bhandara | 93.1 | 0.9 | 36.5 | 96.1 | 95.4 | 47.7 | 92.2 | 71.7 | 11.2 |
| Gondia | 99.5 | 0.4 | 21.2 | 95.6 | 95.1 | 47.3 | 82.3 | 63.3 | 9.7 |
| Gadchiroli | 86.8 | 4.4 | 27.3 | 87.7 | 87.7 | 46.0 | 76.6 | 71.4 | 10.6 |
| Chandrapur | 98.0 | 2.4 | 24.2 | 84.2 | 82.9 | 25.6 | 73.2 | 43.3 | 2.9 |
| Yavatmal | 95.7 | 2.3 | 25.0 | 89.4 | 88.8 | 31.2 | 77.6 | 56.1 | 10.2 |
| Nanded | 95.6 | 2.8 | 21.6 | 93.4 | 94.1 | 39.7 | 81.4 | 59.1 | 10.2 |
| Hingoli | 100.0 | 0.9 | 22.5 | 94.7 | 97.8 | 43.7 | 83.3 | 51.6 | 8.9 |
| Parbhani | 89.2 | 3.5 | 25.1 | 91.3 | 91.2 | 49.0 | 86.5 | 75.5 | 16.9 |
| Jalna | 86.3 | 0.2 | 13.1 | 90.5 | 92.1 | 29.6 | 83.9 | 76.2 | 10.4 |
| Aurangabad | 87.5 | 3.4 | 22.5 | 79.1 | 88.2 | 40.2 | 68.5 | 38.9 | 21.0 |
| Nashik | 77.1 | 2.2 | 18.2 | 86.7 | 90.4 | 15.0 | 76.0 | 46.5 | 4.9 |
| Thane | 93.6 | 4.3 | 23.4 | 97.2 | 97.2 | 42.3 | 89.3 | 72.4 | 9.2 |
| Raigad | 99.3 | 1.8 | 36.4 | 94.8 | 97.1 | 34.3 | 93.5 | 86.2 | 43.5 |
| Pune | 100.0 | 0.5 | 27.9 | 91.6 | 90.6 | 45.0 | 84.5 | 76.7 | 15.5 |
| Ahmednagar | 99.4 | 0.7 | 37.2 | 97.0 | 97.3 | 39.3 | 95.7 | 76.2 | 14.2 |
| Beed | 88.2 | 2.5 | 18.2 | 92.1 | 93.0 | 26.1 | 92.5 | 74.3 | 4.1 |
| Latur | 98.9 | 0.5 | 20.8 | 90.5 | 92.7 | 41.3 | 82.8 | 73.9 | 21.0 |
| Osmanabad | 91.5 | 1.1 | 25.6 | 92.2 | 95.3 | 61.5 | 89.6 | 69.6 | 22.8 |
| Solapur | 93.3 | 2.3 | 30.5 | 97.1 | 97.9 | 60.2 | 92.4 | 82.8 | 31.1 |
| Satara | 95.3 | 1.0 | 26.7 | 99.1 | 97.8 | 38.0 | 89.4 | 83.2 | 13.0 |
| Ratnagiri | 93.3 | 0.5 | 5.9 | 97.8 | 97.2 | 35.6 | 86.4 | 73.3 | 11.3 |
| Sindhudurg | 93.4 | 0.5 | 7.9 | 100.0 | 98.9 | 58.8 | 95.9 | 85.6 | 31.7 |
| Kolhapur | 83.7 | 0.5 | 21.9 | 93.2 | 93.2 | 52.2 | 83.0 | 72.0 | 12.9 |
| Sangli | 82.3 | 0.3 | 35.7 | 94.2 | 95.8 | 41.9 | 85.5 | 69.8 | 10.3 |
| **Total** | **93.3** | **1.8** | **25.8** | **92.1** | **93.0** | **40.0** | **85.0** | **67.4** | **15.2** |