# WEST BENGAL RURAL

All analysis based on data from 17 out of 17 districts

## Enrollment
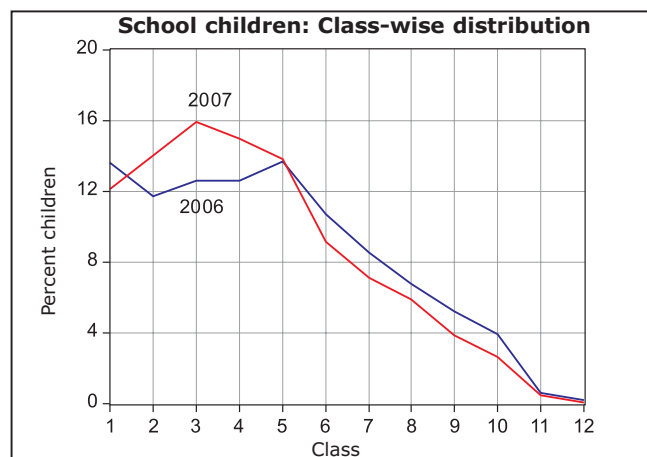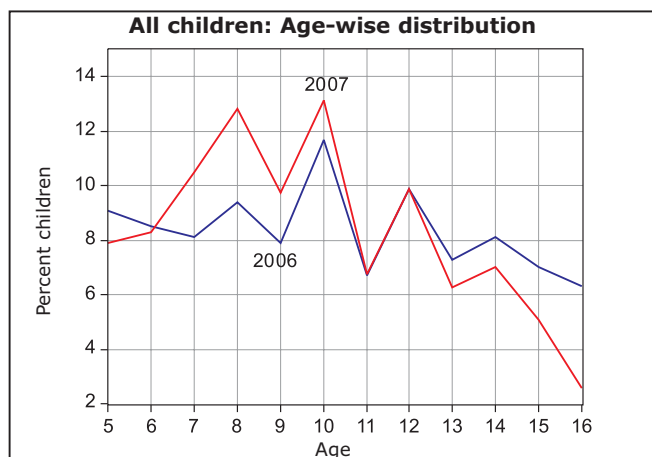
| | 2006 | | | | | 2007 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | % Children in each age group in different types of schools | | | % Out of school | | % Children in each age group in different types of schools | | | % Out of school | |
| | Govt. | Pvt. | Other (Madarsa + EGS) | Not in School | Total | Govt. | Pvt. | Other (Madarsa + EGS) | Not in School | Total |
| **Age: 6 -14 ALL** | 87.4 | 3.5 | 1.4 | 7.8 | 100 | 88.8 | 4.3 | 2.1 | 4.8 | 100 |
| **Age: 7-16 ALL** | 84.6 | 2.5 | 1.3 | 11.6 | 100 | 87.4 | 3.6 | 2.3 | 6.7 | 100 |
| **Age: 7- 10 ALL** | 90.8 | 4.0 | 1.1 | 4.2 | 100 | 92.5 | 4.0 | 1.6 | 1.9 | 100 |
| **Age: 7-10 BOYS** | 91.0 | 3.8 | 1.1 | 4.2 | 100 | 92.0 | 4.5 | 1.6 | 1.8 | 100 |
| **Age: 7-10 GIRLS** | 90.7 | 4.2 | 1.1 | 4.1 | 100 | 93.0 | 3.5 | 1.5 | 2.0 | 100 |
| **Age: 11-14 ALL** | 83.8 | 1.4 | 1.8 | 13.0 | 100 | 83.8 | 3.1 | 3.1 | 10.1 | 100 |
| **Age: 11-14 BOYS** | 82.5 | 1.4 | 2.3 | 13.7 | 100 | 83.2 | 2.8 | 2.5 | 11.6 | 100 |
| **Age: 11-14 GIRLS** | 85.2 | 1.4 | 1.3 | 12.1 | 100 | 84.5 | 3.5 | 3.7 | 8.3 | 100 |
| **Age: 15-16 ALL** | 69.3 | 0.7 | 0.7 | 29.3 | 100 | 71.3 | 2.4 | 3.7 | 22.6 | 100 |
| **Age: 15-16 BOYS** | 65.5 | 0.6 | 0.8 | 33.2 | 100 | 66.0 | 2.3 | 3.6 | 28.1 | 100 |
| **Age: 15-16 GIRLS** | 73.6 | 0.9 | 0.6 | 24.9 | 100 | 77.6 | 2.6 | 3.8 | 16.1 | 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

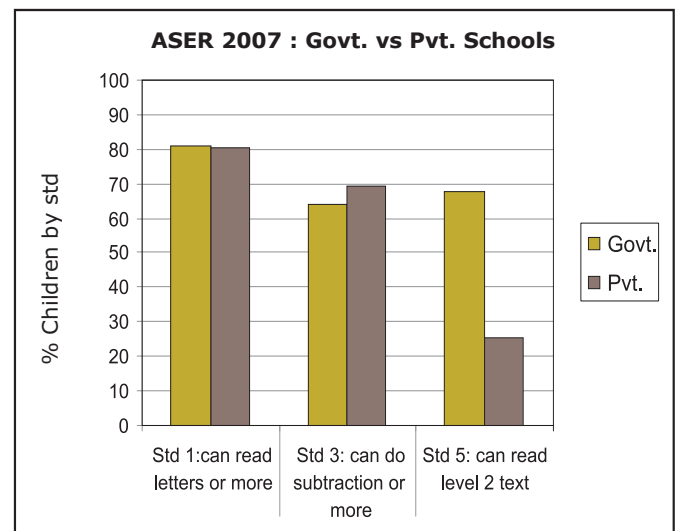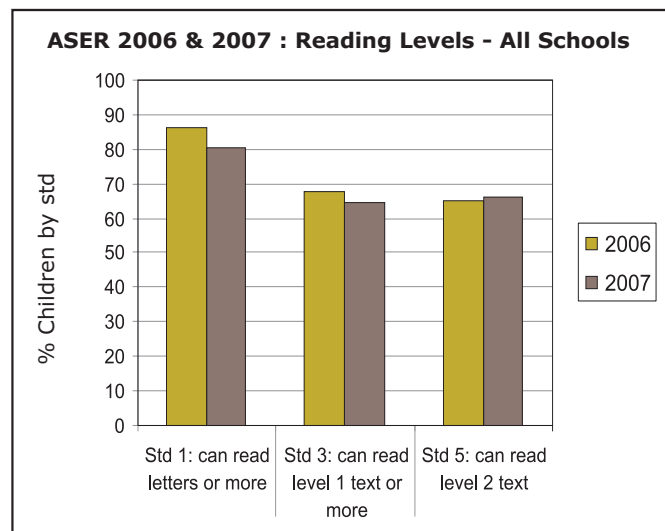| | 2006 | | | | | | 2007 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | % Children | | | | | | % Children | | | | | |
| | In balwadi or anganwadi | In School | | | Not going anywhere | Total | In balwadi or anganwadi | In School | | | Not going anywhere | Total |
| | | Govt. | Pvt. | Other School | | | | Govt. | Pvt. | Other School | | |
| **Age: 3 ALL** | 68.9 | | | | 31.1 | 100 | 80.6 | | | | 19.4 | 100 |
| **Age: 4 ALL** | 76.7 | | | | 23.3 | 100 | 88.2 | | | | 11.8 | 100 |
| **Age: 5 ALL** | 54.6 | 28.3 | 4.9 | 1.1 | 11.2 | 100 | 33.2 | 50.7 | 9.1 | 1.3 | 5.8 | 100 |
| **Age: 6 ALL** | 10.3 | 76.7 | 8.8 | 0.8 | 3.4 | 100 | 3.8 | 82.4 | 10.1 | 1.3 | 2.4 | 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 | 19.4 | 51.4 | 20.2 | 5.3 | 3.7 | 100 |
| II | 5.9 | 20.4 | 51.6 | 17.5 | 4.7 | 100 |
| III | 3.4 | 11.7 | 20.3 | 52.1 | 12.6 | 100 |
| IV | 2.1 | 5.5 | 11.3 | 25.8 | 55.4 | 100 |
| V | 1.7 | 2.8 | 8.9 | 20.1 | 66.5 | 100 |
| VI | 0.6 | 1.7 | 4.6 | 14.8 | 78.3 | 100 |
| VII | 0.2 | 1.9 | 3.3 | 13.7 | 81.0 | 100 |
| VIII | 0.3 | 1.0 | 1.3 | 7.5 | 89.9 | 100 |
| Total | 4.7 | 13.5 | 17.8 | 22.4 | 41.7 | 100 |

## Arithmetic level: % Children who can

| Std. | Nothing | Recognize Numbers | | Subtract | Divide | Total |
|------|---------|------|-------|----------|--------|-------|
| | | 1-9 | 10-99 | | | |
| I | 18.8 | 53.0 | 19.6 | 6.3 | 2.3 | 100 |
| II | 4.0 | 23.5 | 49.6 | 19.6 | 3.3 | 100 |
| III | 3.0 | 13.3 | 19.9 | 51.2 | 12.6 | 100 |
| IV | 1.9 | 5.8 | 12.6 | 27.9 | 51.8 | 100 |
| V | 1.6 | 3.9 | 9.0 | 25.6 | 60.0 | 100 |
| VI | 1.0 | 2.1 | 6.6 | 20.5 | 69.8 | 100 |
| VII | 1.2 | 2.3 | 6.3 | 17.0 | 73.1 | 100 |
| VIII | 0.7 | 0.8 | 4.5 | 12.9 | 81.2 | 100 |
| Total | 4.3 | 14.7 | 18.2 | 25.0 | 37.8 | 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 | 57.6 | 26.4 | 7.6 | 5.3 | 3.1 | 100 |
| II | 25.3 | 43.8 | 18.0 | 10.7 | 2.3 | 100 |
| III | 14.3 | 21.1 | 27.7 | 32.2 | 4.8 | 100 |
| IV | 6.7 | 11.8 | 14.1 | 45.2 | 22.2 | 100 |
| V | 4.8 | 9.1 | 11.6 | 31.8 | 42.8 | 100 |
| VI | 2.8 | 5.6 | 7.9 | 29.4 | 54.3 | 100 |
| VII | 2.2 | 5.1 | 6.4 | 29.8 | 56.5 | 100 |
| VIII | 1.1 | 2.2 | 4.6 | 20.3 | 71.8 | 100 |
| Total | 16.0 | 18.0 | 14.0 | 26.3 | 25.7 | 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 | 63.5 | 89.8 |
| II | 62.2 | 62.5 |
| III | 46.0 | 74.0 |
| IV | 58.6 | 48.6 |
| V | 65.3 | 73.3 |
| VI | 71.6 | 84.7 |
| VII | 73.3 | 77.7 |
| VIII | 66.6 | 84.8 |
| Total | 60.6 | 75.2 |

# 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 | 23.1 | 11.1 | 5.7 |
| Std 1 level text | 26.4 | 75.0 | 13.6 |
| Std 2 level text | 29.0 | 93.1 | 71.5 |

### 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 | 7.1 | 31.5 | 20.3 |
| Std 1 level text | 17.1 | 71.4 | 29.0 |
| Std 2 level text | 71.9 | 95.9 | 84.6 |

## 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 | 63.5 | 14.6 | 20.8 |
| 9 to 10 | 23.0 | 10.8 | 63.8 |
| 11 to 14 | 12.6 | 8.6 | 76.6 |

### Children not in-school

| Age group | % Children who can solve | | |
| --- | --- | --- | --- |
| | None | Simple problem only | Both problems |
| 6 to 8 | 78.8 | 9.9 | 8.1 |
| 9 to 10 | 64.1 | 4.8 | 31.1 |
| 11 to 14 | 49.9 | 12.8 | 34.1 |

আজ মাঠে খেলা হবে।

দুই দল কলকাতা থেকে আসবে।

বড় বড় আলো দেওয়া রয়েছে।

বিকেল হলে খেলা হবে।

প্রঃ ১। দুই দল কোথা থেকে আসবে?

প্রঃ ২। মাঠে কখন খেলা হবে?

ছোট ইঁদুর একদিন একা গর্তের বাইরে বেরল। বাইরে একটা জাল পাতা ছিল। ইঁদুর জালে ধরা পড়ল। ধরা পড়ে ছোট ইঁদুর ঘাবড়ে গেল। লাফালাফি করে আরও জালে জড়িয়ে পড়ল। একটা হুলো বিড়াল দূরে বসে মজা দেখছিল। সে ফন্দি আঁটল এবার ছোট ইঁদুরকে খাবে। বিড়াল হাঁ করে দাঁতের ধার দেখতে লাগল। বাঃ বেশ ধার তো। এদিকে বিড়ালের দাঁত দেখে ইঁদুরেরও নিজের দাঁতের কথা মনে হল। সে তখনই দাঁত দিয়ে জাল কেটে ফেলল। হুলো অবাক হয়ে গেল।

প্রঃ ৩। বাইরে কি পাতা ছিল?

প্রঃ ৪। ইঁদুরের নিজের দাঁতের কথা কী করে মনে পড়ল?

১। তোমার কাছে ৫০ টাকা আছে। তুমি ১৫ টাকার কলম কিনলে। এখন তোমার কাছে কত টাকা রইল?

২। তোমার কাছে ৫০ টাকা আছে। তুমি ১৯ টাকার বই কিনলে। এখন তোমার কাছে কত টাকা রইল?

## 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 | 22.7 | 84.8 | 6.8 | 6.9 |
| Subtraction | 27.9 | 24.9 | 32.1 | 39.8 |
| Division | 26.8 | 3.8 | 4.7 | 90.6 |

### 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 | 8.9 | 51.1 | 15.3 | 28.0 |
| Subtraction | 22.3 | 19.8 | 21.0 | 55.9 |
| Division | 64.3 | 1.7 | 3.7 | 93.1 |

## School going children attending tuition class

| Std. | % Children | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | I | II | III | IV | V | VI | VII | VIII |
| Govt. school | 30.6 | 45.6 | 63.0 | 74.0 | 83.3 | 85.0 | 83.7 | 88.5 |
| Pvt. school | 40.5 | 54.9 | 59.5 | 67.0 | 62.7 | 68.6 | 75.6 | 89.7 |

## School Observations: Schools visited - Primary (Std 1-4/5): 354; Primary+Upper-primary (Std 1-8): 8

| Teacher attendance | 2005 | | 2007 | |
|---|---|---|---|---|
| | Std. 1-4/5 | Std. 1-8 | Std. 1-4/5 | Std. 1-8 |
| % teachers attending (average) | 72.5 | 0.0 | 90.2 | 87.5 |
| % schools with no teacher present | 16.2 | 0.0 | 0.0 | 0.0 |
| % schools with all teachers present | 52.8 | 0.0 | 71.2 | 75.0 |

| Children's attendance | 2005 | | 2007 | |
|---|---|---|---|---|
| | Std. 1-4/5 | Std. 1-8 | Std. 1-4/5 | Std. 1-8 |
| % enrolled children attending (average) | 74.0 | 0.0 | 69.5 | 74.2 |
| % schools with less than 50% enrolled children attending | 8.2 | 0.0 | 14.5 | 16.7 |
| % schools with 75% and more enrolled children attending | 50.7 | 0.0 | 50.6 | 66.7 |

| 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 | 47.5 | 0.0 | 45.0 | 54.3 |
| Based on children & teachers present | 38.7 | 0.0 | 34.2 | 47.7 |

| School grants and teacher grants | 2006 | | 2007* | |
|---|---|---|---|---|
| | Std. 2 | Std. 4 | Std. 2 | Std. 4 |
| | % Schools | | | |
| Teacher received TLM grant | 63.8 | 61.5 | 43.0 | 45.9 |
| School received school maintenance grant | 70.1 | | 55.3 | |

| 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 | 16.1 | 0.0 | 13.5 | 16.7 |
| Schools with water provision but water not available | 14.3 | 0.0 | 5.7 | 0.0 |
| Schools with water provision and water available | 69.6 | 0.0 | 80.7 | 83.3 |
| Schools with no toilet provision | 23.7 | 0.0 | 12.6 | 16.7 |
| Schools with toilet provision but not being used | 18.4 | 0.0 | 14.7 | 16.7 |
| Schools with toilet provision and use | 57.9 | 0.0 | 72.7 | 66.7 |
| Schools with midday meal being served on that day | 76.3 | 0.0 | 98.6 | 83.3 |

| Multigrade classes | 2007 | |
|---|---|---|
| | Std. 1-4/5 | Std. 1-8 |
| Schools in which… | % Schools | |
| Std II class sits with another class | 36.7 | 28.6 |
| Std IV class sits with another class | 25.1 | 14.3 |

Over 90% classes that were visited have blackboards. In about 90% of the Std 2 classes, most children have text books, pens or pencils and note books. In close to 85% of the Std 4 classes, most children have text books and note books.

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** |
|---|---|---|---|---|---|---|---|---|---|
| Darjeeling | 65.6 | 2.7 | 27.4 | 81.1 | 86.7 | 83.3 | 65.9 | 69.9 | 53.9 |
| Jalpaiguri | 86.7 | 2.5 | 10.2 | 64.5 | 80.6 | 54.9 | 57.5 | 66.6 | 18.8 |
| Cooch Behar | 75.4 | 1.7 | 14.4 | 86.5 | 87.7 | 60.4 | 62.1 | 60.2 | 8.9 |
| Uttar Dinajpur | 88.5 | 5.6 | 4.2 | 87.7 | 86.2 | 57.3 | 74.9 | 76.8 | 25.2 |
| Dakshin Dinajpur | 95.7 | 2.8 | 1.9 | 72.1 | 73.8 | 45.2 | 55.7 | 52.5 | 4.7 |
| Malda | 79.6 | 4.9 | 6.1 | 70.8 | 70.0 | 47.0 | 74.8 | 75.5 | 9.4 |
| Murshidabad | 83.9 | 4.3 | 4.7 | 88.5 | 91.6 | 51.8 | 46.7 | 54.3 | 11.7 |
| Birbhum | 89.7 | 9.5 | 1.6 | 90.5 | 89.0 | 67.0 | 71.3 | 65.5 | 13.5 |
| Bardhaman | 85.9 | 2.2 | 0.5 | 93.6 | 95.6 | 52.5 | 88.9 | 91.6 | 31.1 |
| Nadia | 76.4 | 4.7 | 1.2 | 90.2 | 92.5 | 60.1 | 75.0 | 61.4 | 14.2 |
| North 24 Parganas | 83.3 | 8.4 | 4.9 | 85.9 | 88.9 | 65.8 | 54.0 | 46.3 | 10.0 |
| Hugli | 100.0 | 1.9 | 1.2 | 98.9 | 97.4 | 66.3 | 91.4 | 89.7 | 26.6 |
| Bankura | 90.3 | 6.1 | 1.6 | 90.0 | 88.5 | 57.4 | 70.1 | 65.6 | 13.9 |
| Puruliya | 86.9 | 15.6 | 1.3 | 68.0 | 65.7 | 34.6 | 56.9 | 60.6 | 6.0 |
| Medinipur | 97.2 | 4.4 | 2.3 | 100.0 | 99.0 | 75.5 | 98.6 | 97.9 | 38.5 |
| Howrah | 98.1 | 2.4 | 1.1 | 100.0 | 97.4 | 67.5 | 92.9 | 91.2 | 44.1 |
| South 24 Parganas | 68.3 | 4.8 | 7.2 | 91.1 | 93.7 | 62.0 | 74.7 | 67.6 | 10.0 |
| **Total** | **85.0** | **4.8** | **4.3** | **87.9** | **89.1** | **59.8** | **76.9** | **75.8** | **22.3** |