

# Jharkhand RURAL

TOTAL NUMBER OF DISTRICTS 23. Data has not been presented where sample size was insufficient.

## Trends Over Time: 2006-2014

### Sample description over time

**Table 1: Sample description. 2006-2014**

| Year | Districts surveyed | Villages surveyed | Households surveyed | Number of children surveyed |          |           |
|------|--------------------|-------------------|---------------------|-----------------------------|----------|-----------|
|      |                    |                   |                     | Age 3-5                     | Age 6-14 | Age 15-16 |
| 2006 | 22                 | 642               | 12942               | 8144                        | 24532    | 3546      |
| 2007 | 22                 | 628               | 12673               | 6220                        | 23353    | 2255      |
| 2008 | 22                 | 636               | 13095               | 5681                        | 21728    | 2331      |
| 2009 | 21                 | 607               | 12196               | 5663                        | 20886    | 2762      |
| 2010 | 22                 | 654               | 12879               | 6339                        | 20163    | 2766      |
| 2011 | 20                 | 583               | 11635               | 5458                        | 18348    | 2741      |
| 2012 | 22                 | 638               | 12919               | 5927                        | 18549    | 2712      |
| 2013 | 23                 | 683               | 13737               | 5870                        | 20226    | 3003      |
| 2014 | 23                 | 656               | 13348               | 5608                        | 18667    | 2707      |

Each year from 2006 to 2014, \* ASER has collected data for a representative sample of children from every state and almost every rural district in India. On average ASER has reached over 560 districts each year, surveying an average of 650,000 children in more than 16,000 villages across the country. Information on their schooling status, basic reading and basic arithmetic ability was collected every year. In addition, children's ability to read English was assessed during four ASER rounds (2007, 2009, 2012 and 2014).

**ASER Trends Over Time** provides a summary of trends in selected variables in each of these four domains over this nine-year period.

\*ASER 2005 is not included because of differences in sampling methodology.

### Enrollment over time

#### Out of school children 2006-2014

**Table 2: % Children age 6-14 not enrolled in school, by gender. 2006-2014**

| Year | Boys      |           | Girls     |           | All children |           |
|------|-----------|-----------|-----------|-----------|--------------|-----------|
|      | All India | Jharkhand | All India | Jharkhand | All India    | Jharkhand |
| 2006 | 5.8       | 8.0       | 7.5       | 9.9       | 6.6          | 8.9       |
| 2007 | 3.8       | 4.2       | 4.6       | 5.8       | 4.2          | 5.0       |
| 2008 | 3.8       | 5.3       | 4.8       | 6.1       | 4.3          | 5.6       |
| 2009 | 3.6       | 5.2       | 4.5       | 5.6       | 4.0          | 5.4       |
| 2010 | 3.2       | 3.8       | 3.8       | 3.8       | 3.4          | 3.8       |
| 2011 | 3.1       | 4.5       | 3.6       | 4.9       | 3.3          | 4.7       |
| 2012 | 3.1       | 4.5       | 3.9       | 4.4       | 3.5          | 4.4       |
| 2013 | 3.1       | 3.9       | 3.5       | 3.6       | 3.3          | 3.8       |
| 2014 | 2.9       | 4.1       | 3.7       | 4.4       | 3.3          | 4.3       |

#### Private school enrollment 2006-2014

**Table 3: % Children age 6-14 enrolled in private schools, by gender. 2006-2014**

| Year | Boys      |           | Girls     |           | All children |           |
|------|-----------|-----------|-----------|-----------|--------------|-----------|
|      | All India | Jharkhand | All India | Jharkhand | All India    | Jharkhand |
| 2006 | 20.2      | 11.9      | 17.0      | 10.6      | 18.7         | 11.3      |
| 2007 | 20.8      | 11.3      | 17.6      | 9.2       | 19.3         | 10.3      |
| 2008 | 24.6      | 11.0      | 20.3      | 8.5       | 22.6         | 9.9       |
| 2009 | 23.3      | 10.8      | 19.9      | 9.2       | 21.8         | 10.0      |
| 2010 | 25.5      | 9.2       | 21.7      | 8.4       | 23.7         | 8.8       |
| 2011 | 28.0      | 14.0      | 23.0      | 11.7      | 25.6         | 12.8      |
| 2012 | 31.5      | 17.2      | 25.2      | 13.6      | 28.3         | 15.5      |
| 2013 | 32.2      | 18.2      | 25.5      | 13.1      | 29.0         | 15.7      |
| 2014 | 34.5      | 20.2      | 26.9      | 15.5      | 30.8         | 18.0      |

Note: Data collection for the ASER survey is carried out in the household. Information on the type of school (government or private) that a child is enrolled in, is self-reported by households.



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## Reading over time

### Std III Reading levels 2006-2014

Table 4: % Children in Std III who can read at least a Std I level text. 2006-2014

| Year | All India | Jharkhand |
|------|-----------|-----------|
| 2006 | 48.1      | 50.2      |
| 2007 | 49.2      | 42.5      |
| 2008 | 50.6      | 41.0      |
| 2009 | 46.6      | 37.4      |
| 2010 | 45.7      | 38.9      |
| 2011 | 40.4      | 30.6      |
| 2012 | 38.8      | 31.1      |
| 2013 | 40.2      | 30.9      |
| 2014 | 40.3      | 29.8      |

Table 5: % Children in Std III who can read at least a Std I level text, by school type. 2006-2014

| Year | Govt. schools |           | Pvt. schools |           |
|------|---------------|-----------|--------------|-----------|
|      | All India     | Jharkhand | All India    | Jharkhand |
| 2006 | 45.8          | 47.7      | 58.4         | 72.5      |
| 2007 | 46.7          | 40.2      | 61.7         | 63.8      |
| 2008 | 46.9          | 36.8      | 63.9         | 81.6      |
| 2009 | 43.8          | 34.7      | 58.2         | 67.1      |
| 2010 | 42.5          | 37.4      | 57.6         | 57.1      |
| 2011 | 35.2          | 26.3      | 56.3         | 59.3      |
| 2012 | 32.4          | 26.7      | 55.3         | 58.0      |
| 2013 | 32.6          | 25.3      | 59.6         | 64.5      |
| 2014 | 31.8          | 22.0      | 59.0         | 64.8      |

### Std V Reading levels 2006-2014

Table 6: % Children in Std V who can read a Std II level text. 2006-2014

| Year | All India | Jharkhand |
|------|-----------|-----------|
| 2006 | 53.1      | 60.1      |
| 2007 | 58.9      | 58.3      |
| 2008 | 56.3      | 54.8      |
| 2009 | 52.9      | 48.1      |
| 2010 | 53.7      | 49.6      |
| 2011 | 48.3      | 41.0      |
| 2012 | 46.9      | 37.7      |
| 2013 | 47.0      | 33.9      |
| 2014 | 48.1      | 34.4      |

Table 7: % Children in Std V who can read a Std II level text, by school type. 2006-2014

| Year | Govt. schools |           | Pvt. schools |           |
|------|---------------|-----------|--------------|-----------|
|      | All India     | Jharkhand | All India    | Jharkhand |
| 2006 | 51.4          | 58.5      | 60.8         | 72.7      |
| 2007 | 56.7          | 56.6      | 69.0         | 76.0      |
| 2008 | 53.1          | 51.9      | 67.9         | 81.1      |
| 2009 | 50.3          | 46.0      | 63.1         | 72.4      |
| 2010 | 50.7          | 48.4      | 64.2         | 65.4      |
| 2011 | 43.8          | 37.5      | 62.7         | 68.2      |
| 2012 | 41.7          | 32.5      | 61.2         | 75.4      |
| 2013 | 41.1          | 29.4      | 63.3         | 67.9      |
| 2014 | 42.2          | 29.1      | 62.5         | 64.0      |

### Reading Tool

**कहानी**  
नगमा समझदार लड़की थी। मगर उसका छोटा भाई अमन बहुत नटखट था। एक दिन दोनों बाज़ार में घूम रहे थे। अमन ने रास्ते में पकौड़े देखे। उसे पकौड़े बहुत पसंद थे। माँ उसके लिए पकौड़े बनाती थी। नगमा ने कहा यह पकौड़े तीखे होंगे। मगर अमन नहीं माना। अमन ने पकौड़े खाए और उसकी आँखों से आँसू निकलने लगे।

**अनुच्छेद**  
काले बादल छाए हैं। तेज़ बारिश हो रही है। मोर भी नाच रहा है। सब नाच देख रहे हैं।

|   |   |   |      |       |
|---|---|---|------|-------|
| न | प | म | आग   | सोच   |
| च | स | थ | ताला | गिर   |
| थ | ग | द | पानी | मौका  |
| र | ल | र | देश  | धुन   |
|   |   |   | पैसा | बूढ़ा |



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## Arithmetic over time

### Std III Arithmetic levels 2007-2014\*

| Year | All India | Jharkhand |
|------|-----------|-----------|
| 2007 | 42.4      | 38.7      |
| 2008 | 38.9      | 30.2      |
| 2009 | 39.1      | 32.0      |
| 2010 | 36.3      | 32.8      |
| 2011 | 30.0      | 23.4      |
| 2012 | 26.4      | 24.3      |
| 2013 | 26.1      | 21.3      |
| 2014 | 25.4      | 19.5      |

| Year | Govt. schools |           | Pvt. schools |           |
|------|---------------|-----------|--------------|-----------|
|      | All India     | Jharkhand | All India    | Jharkhand |
| 2007 | 40.2          | 36.3      | 53.9         | 60.4      |
| 2008 | 35.4          | 26.0      | 51.8         | 70.9      |
| 2009 | 36.5          | 29.4      | 49.7         | 60.6      |
| 2010 | 33.2          | 31.7      | 47.8         | 47.0      |
| 2011 | 25.2          | 19.6      | 44.6         | 49.2      |
| 2012 | 19.8          | 19.3      | 43.4         | 54.7      |
| 2013 | 18.9          | 16.5      | 44.6         | 50.0      |
| 2014 | 17.3          | 12.1      | 43.4         | 51.9      |

### Std V Arithmetic levels 2007-2014\*

| Year | All India | Jharkhand |
|------|-----------|-----------|
| 2007 | 42.5      | 41.7      |
| 2008 | 37.1      | 33.7      |
| 2009 | 38.1      | 32.0      |
| 2010 | 36.2      | 40.8      |
| 2011 | 27.6      | 24.0      |
| 2012 | 24.9      | 24.3      |
| 2013 | 25.6      | 21.9      |
| 2014 | 26.1      | 21.4      |

| Year | Govt. schools |           | Pvt. schools |           |
|------|---------------|-----------|--------------|-----------|
|      | All India     | Jharkhand | All India    | Jharkhand |
| 2007 | 41.0          | 40.4      | 49.4         | 54.9      |
| 2008 | 34.4          | 30.5      | 47.1         | 61.8      |
| 2009 | 36.1          | 30.0      | 46.2         | 55.9      |
| 2010 | 33.9          | 40.1      | 44.2         | 50.7      |
| 2011 | 24.5          | 20.9      | 37.7         | 47.2      |
| 2012 | 20.3          | 20.1      | 37.8         | 54.6      |
| 2013 | 20.8          | 17.9      | 38.9         | 51.8      |
| 2014 | 20.7          | 17.6      | 39.3         | 42.7      |

| Math Tool        |                       |                    |        |
|------------------|-----------------------|--------------------|--------|
| अंक पहचान<br>1-9 | संख्या पहचान<br>10-99 | घटाव               | भाग    |
| 2 7              | 76 58                 | 74 63<br>- 57 - 27 | 8) 993 |
| 5 3              | 48 99                 | 47 84<br>- 29 - 35 | 6) 758 |
| 9 8              | 34 61                 | 41 32<br>- 15 - 17 | 7) 865 |
| 4 1              | 46 25                 | 31 68<br>- 18 - 49 | 4) 658 |
| 86 62            |                       |                    |        |

काले से कोरेंड की 5 अंक पहचानने को काई। कम से कम 4 सही होने चाहिए।  
 काले से कोरेंड की 5 संख्या पहचानने को काई। कम से कम 4 सही होने चाहिए।  
 काले से कोरेंड की 2 घटाव के समझ बनाने को काई। दोनों ही सही होने चाहिए।  
 काले से कोरेंड की 1 भाग का समझ बनाने को काई। सब सही होना चाहिए।



\*ASER 2006 arithmetic results are not comparable to the subsequent years because of a change in the assessment tool. Hence this data has not been included in the above tables.

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## English over time

Std V English reading levels 2007, 2009, 2012, 2014

**Table 12: % Children in Std V who can read at least words. 2007, 2009, 2012, 2014**

| Year | All India | Jharkhand |
|------|-----------|-----------|
| 2007 | 59.4      | 60.2      |
| 2009 | 56.7      | 53.1      |
| 2012 | 49.0      | 44.9      |
| 2014 | 49.2      | 47.8      |

**Table 13: % Children in Std V who can read at least words, by school type. 2007, 2009, 2012, 2014**

| Year | Govt. schools |           | Pvt. schools |           |
|------|---------------|-----------|--------------|-----------|
|      | All India     | Jharkhand | All India    | Jharkhand |
| 2007 | 56.7          | 58.3      | 72.2         | 78.8      |
| 2009 | 53.3          | 51.0      | 70.1         | 79.0      |
| 2012 | 41.4          | 39.7      | 70.1         | 81.8      |
| 2014 | 39.7          | 41.5      | 72.4         | 82.6      |

**Table 14: % Children in Std V who can read sentences. 2007, 2009, 2012, 2014**

| Year | All India | Jharkhand |
|------|-----------|-----------|
| 2007 | 28.0      | 26.8      |
| 2009 | 25.7      | 18.3      |
| 2012 | 22.6      | 18.7      |
| 2014 | 24.1      | 14.6      |

**Table 15: % Children in Std V who can read sentences, by school type. 2007, 2009, 2012, 2014**

| Year | Govt. schools |           | Pvt. schools |           |
|------|---------------|-----------|--------------|-----------|
|      | All India     | Jharkhand | All India    | Jharkhand |
| 2007 | 24.7          | 24.5      | 44.1         | 51.0      |
| 2009 | 21.9          | 15.8      | 40.4         | 47.9      |
| 2012 | 15.4          | 13.5      | 42.4         | 56.2      |
| 2014 | 14.9          | 10.2      | 46.5         | 39.2      |

Std VII English reading levels 2007, 2009, 2012, 2014

**Table 16: % Children in Std VII who can read sentences. 2007, 2009, 2012, 2014**

| Year | All India | Jharkhand |
|------|-----------|-----------|
| 2007 | 53.8      | 57.3      |
| 2009 | 49.1      | 46.8      |
| 2012 | 39.8      | 38.6      |
| 2014 | 38.8      | 30.8      |

**Table 17: % Children in Std VII who can read sentences, by school type. 2007, 2009, 2012, 2014**

| Year | Govt. schools |           | Pvt. schools |           |
|------|---------------|-----------|--------------|-----------|
|      | All India     | Jharkhand | All India    | Jharkhand |
| 2007 | 50.9          | 55.4      | 64.4         | 70.7      |
| 2009 | 46.1          | 44.4      | 59.5         | 69.1      |
| 2012 | 33.8          | 35.4      | 55.9         | 65.3      |
| 2014 | 31.4          | 26.2      | 58.1         | 58.4      |

### English Tool

English Tool interface showing word cards and reading exercises.

**वर्षे असर** (Left): B H R, L V, M P F

**घंटे असर** (Right): z j o, w g, u s k

**पंच** (Left): cow, big, hat, pen

**पंच** (Right): wet, man

**Where is your house?**  
 This is a long road.  
 I like to play.  
 She has a green kite.

Small text at the bottom: **असर ASER 2007** RURAL Facilitated by PRATHAM

