

ENROLLMENT AND LEARNING REPORT CARD

From the ANNUAL STATUS OF EDUCATION REPORT 2016

INDIA RURAL

ANALYSIS BASED ON DATA FROM HOUSEHOLDS. 589 OUT OF 619 DISTRICTS

School enrollment

Table 1: % Children enrolled in different types of schools by age group and gender 2016

Age group	Govt.	Pvt.	Other	Not in school	Total
Age 6-14: All	65.4	30.5	1.0	3.1	100
Age 7-16: All	63.7	30.1	1.0	5.3	100
Age 7-10: All	65.0	32.0	1.1	1.9	100
Age 7-10: Boys	61.6	35.6	1.1	1.8	100
Age 7-10: Girls	68.7	28.2	1.1	2.0	100
Age 11-14: All	65.5	28.9	0.9	4.6	100
Age 11-14: Boys	62.5	32.4	0.9	4.1	100
Age 11-14: Girls	68.4	25.6	0.9	5.2	100
Age 15-16: All	55.8	28.1	0.8	15.3	100
Age 15-16: Boys	54.1	30.5	0.8	14.6	100
Age 15-16: Girls	57.2	26.0	0.8	16.1	100

'Other' includes children going to Madarsa and EGS.

'Not in school' includes children who never enrolled or have dropped out.

Chart 2: Trends over time
 % Children enrolled in private schools in Std I-V and Std VI-VIII
 2010, 2012, 2014 and 2016

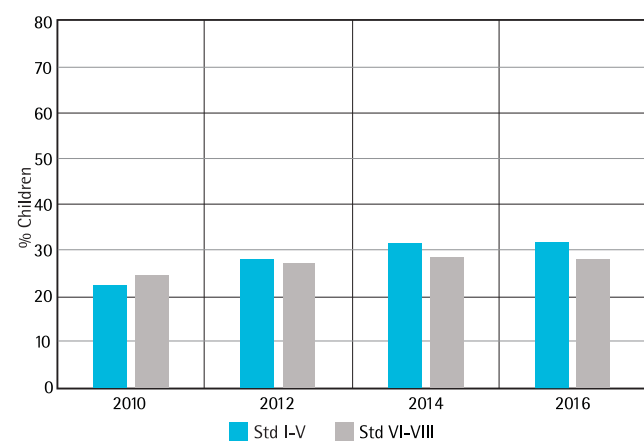
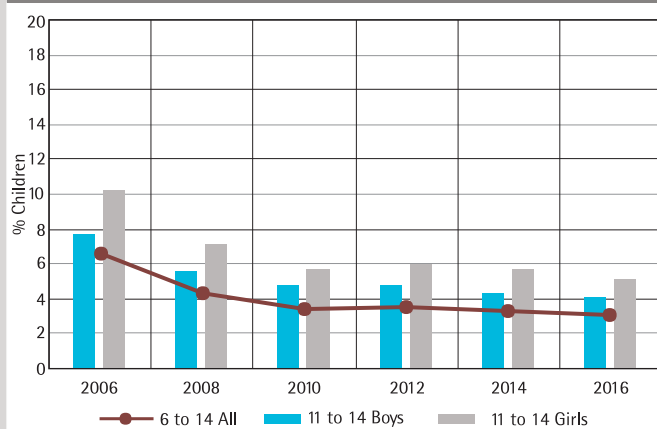


Chart 1: Trends over time
 % Children not enrolled in school by age group and gender
 2006, 2008, 2010, 2012, 2014 and 2016



Bars show the proportion of boys and girls age 11-14 who were not enrolled in school in a given year. The line shows how the proportion of children age 6-14 who were not enrolled in school has changed over the period 2006-2016.

Table 2: Age-grade distribution
 % Children in each grade by age
 2016

Std	5	6	7	8	9	10	11	12	13	14	15	16	Total	
I	21.9	43.0	21.6	8.1	5.4								100	
II	3.2	13.4	38.6	29.8	7.4	7.6							100	
III	3.1		12.2	39.9	27.1	11.2	6.4							100
IV	4.1			14.2	33.9	32.8	7.3	5.2	2.6				100	
V	5.5				9.1	41.7	26.3	11.4	6.0				100	
VI	4.1					13.3	34.6	34.3	8.5	5.2			100	
VII	5.1						10.6	41.6	29.2	9.3	4.2		100	
VIII	4.5							15.2	39.9	28.7	8.5	3.3	100	

This table shows the age distribution for each grade. For example, in Std III, 39.9% children are 8 years old but there are also 12.2% who are 7, 27.1% who are 9, 11.2% who are 10, and 6.4% who are 11 or older.

Young children in pre-school and school

Table 3: % Children age 3-6 enrolled in different types of pre-school and school 2016

Age	In balwadi or anganwadi	In LKG/UKG	In school			Out of school or pre-school	Total
			Govt.	Pvt.	Other		
Age 3	53.6	8.2				38.3	100
Age 4	52.3	22.5				25.3	100
Age 5	22.5	17.7	30.7	17.5	0.9	10.6	100
Age 6	5.6	10.3	53.3	25.1	1.0	4.9	100

For 3 and 4 year old children, only pre-school status is recorded.

About ASER

The Annual Status of Education Report (ASER) is a household survey of children's schooling status and their ability to do basic reading and arithmetic tasks. With the exception of 2015, it has been facilitated by Pratham every year since 2005. ASER is carried out by volunteers from a local organisation in each district.

ASER 2016 reached 589 districts, 17,473 villages, 350,232 households and 562,305 children. About 500 local organizations and 25,000 volunteers participated in this effort. This is the 11th ASER report.

Reading

ASER assessments are conducted in the household. The type of school in which children are enrolled (government or private) is also recorded.

Table 4: % Children by grade and reading level All children 2016

Std	Not even letter	Letter	Word	Std I level text	Std II level text	Total
I	46.1	31.7	12.4	5.0	4.8	100
II	23.5	31.5	19.8	11.8	13.4	100
III	13.6	24.1	19.9	17.3	25.1	100
IV	8.5	17.2	17.7	19.2	37.4	100
V	6.0	13.3	14.2	18.6	47.8	100
VI	4.0	9.6	11.6	18.0	56.9	100
VII	2.8	7.2	8.9	15.1	66.1	100
VIII	2.0	5.4	6.5	13.0	73.0	100

Each row shows the variation in children's reading levels within a given grade. For example, among children in Std III, 13.6% cannot even read letters, 24.1% can read letters but not words or higher, 19.9% can read words but not Std I level text or higher, 17.3% can read Std I level text but not Std II level text, and 25.1% can read Std II level text. For each grade, the total of these exclusive categories is 100%.

Reading Tool

Std II level text	Std I level text
<p>नगमा समझदार लड़की थी। मगर उसका छोटा भाई अमन बहुत नटखट था। एक दिन दोनों बाजार 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।</p>	<p>रात हो गई है। चाँद दिख रहा है। तारे भी चमक रहे हैं। सब लोग सो गए हैं।</p>
<p>Letters</p> <p>न प म च स थ ग द र ल</p>	<p>Words</p> <p>आग सोव ताला पानी गिर धुन देश पैसा बुड़ा</p>

Table 5: Trends over time Reading in Std III by school type 2010, 2012, 2014 and 2016

Year	% Children in Std III who can read Std II level text		
	Govt.	Pvt.	Govt. & Pvt.*
2010	16.8	29.7	19.6
2012	16.7	33.8	21.5
2014	17.2	37.8	23.6
2016	19.3	38.0	25.2

*This is the weighted average for children in government and private schools only.

The highest level in the ASER reading assessment is a Std II level text. Table 5 shows the proportion of children in Std III who can read Std II level text. This figure is a proxy for "grade level" reading for Std III. Data for children enrolled in government schools and private schools is shown separately.

Table 6: Trends over time Reading in Std V and Std VIII by school type 2010, 2012, 2014 and 2016

Year	% Children in Std V who can read Std II level text			% Children in Std VIII who can read Std II level text		
	Govt.	Pvt.	Govt. & Pvt.*	Govt.	Pvt.	Govt. & Pvt.*
2010	50.7	64.2	53.7	82.0	87.5	83.5
2012	41.7	61.2	46.9	73.4	84.2	76.5
2014	42.2	62.6	48.0	71.5	82.4	74.7
2016	41.6	62.9	47.8	70.0	80.9	73.1

* This is the weighted average for children in government and private schools only

Reading and comprehension in English

Table 7: % Children by grade and reading level in English All children 2016

Std	Not even capital letters	Capital letters	Small letters	Simple words	Easy sentences	Total
I	53.2	16.8	17.2	9.6	3.2	100
II	33.2	20.3	24.2	14.6	7.7	100
III	22.8	19.1	26.2	19.3	12.7	100
IV	16.0	16.1	26.3	23.0	18.5	100
V	11.9	13.7	25.6	24.3	24.5	100
VI	8.2	11.0	23.5	25.7	31.7	100
VII	5.9	8.9	20.8	26.1	38.2	100
VIII	4.5	7.2	18.4	24.7	45.2	100

Each row shows the variation in children's reading levels in English within a given grade. For example, among children in Std III, 22.8% cannot even read capital letters, 19.1% can read capital letters but not small letters or higher, 26.2% can read small letters but not words or higher, 19.3% can read words but not sentences, and 12.7% can read sentences. For each grade, the total of these exclusive categories is 100%.

Table 8: % Children by grade who can comprehend English All children 2016

Std	Of those who can read words, % children who can tell meanings of the words	Of those who can read sentences, % children who can tell meanings of the sentences
I	60.9	42.4
II	60.2	50.9
III	61.6	56.5
IV	59.8	60.7
V	59.9	62.4
VI	59.7	64.7
VII	59.8	65.9
VIII	60.8	67.8

English Tool

<p>C K S Q F W O Z</p>	<p>n p g v e j r b</p>
<p>day old sit run rat bag</p>	<p>Where is your house? This is a tall tree. I like to sing. She has a red dress.</p>

Arithmetic

ASER assessments are conducted in the household. The type of school in which children are enrolled (government or private) is also recorded.

**Table 9: % Children by grade and arithmetic level
All children 2016**

Std	Not even 1-9	Recognize numbers		Subtract	Divide	Total
		1-9	10-99			
I	39.9	35.1	20.0	3.5	1.5	100
II	17.7	35.0	32.8	10.6	3.8	100
III	9.3	27.6	35.6	19.2	8.4	100
IV	5.8	19.8	32.7	25.3	16.6	100
V	4.0	15.5	30.0	24.6	25.9	100
VI	2.5	11.4	28.7	24.9	32.5	100
VII	2.0	8.1	27.7	24.5	37.7	100
VIII	1.2	6.1	26.2	23.3	43.2	100

Each row shows the variation in children's arithmetic levels within a given grade. For example, among children in Std III, 9.3% cannot even recognize numbers 1-9, 27.6% can recognize numbers up to 9 but cannot recognize numbers up to 99 or higher, 35.6% can recognize numbers up to 99 but cannot do subtraction, 19.2% can do subtraction but cannot do division, and 8.4% can do division. For each grade, the total of these exclusive categories is 100%.

**Table 10: Trends over time
Arithmetic in Std III by school type
2010, 2012, 2014 and 2016**

Year	% Children in Std III who can do at least subtraction		
	Govt.	Pvt.	Govt. & Pvt.*
2010	33.2	47.8	36.3
2012	19.8	43.4	26.4
2014	17.2	43.4	25.4
2016	20.2	44.0	27.7

*This is the weighted average for children in government and private schools only.

In most states, children are expected to do 2-digit by 2-digit subtraction with borrowing by Std II. Table 8 shows the proportion of children in Std III who can do subtraction. This figure is a proxy for "grade level" arithmetic for Std III. Data for children enrolled in government schools and private schools is shown separately.

Arithmetic Tool

अंक पहचान 1-9	संख्या पहचान 10-99	घटाना		भाग
5 7	74 23	63 - 44	51 - 35	7) 898
8 4	91 86	92 - 48	71 - 35	4) 659
2 9	24 79	45 - 27	34 - 19	8) 946
3 1	37 61	43 - 29	46 - 17	6) 757

**Table 11: Trends over time
Arithmetic in Std V and Std VIII by school type
2010, 2012, 2014 and 2016**

Year	% Children in Std V who can do division			% Children in Std VIII who can do division		
	Govt.	Pvt.	Govt. & Pvt.*	Govt.	Pvt.	Govt. & Pvt.*
2010	33.9	44.2	36.2	67.0	72.0	68.4
2012	20.3	37.8	24.9	44.5	57.1	48.1
2014	20.7	39.3	26.1	40.0	54.2	44.2
2016	21.1	37.9	26.0	40.2	51.2	43.3

* This is the weighted average for children in government and private schools only.

Type of school and paid additional tuition classes

ASER records information about paid additional private tutoring by asking the following question: "Does the child take any paid tuition class currently?" Therefore the numbers given below do not include any unpaid supplemental help in learning that the child may have received.

**Table 12: Trends over time
% Children in Std I-V and Std VI-VIII by school type and
tuition 2010, 2012, 2014 and 2016**

Std	Category	2010	2012	2014	2016
Std I-V	Govt. no tuition	61.5	55.8	52.3	51.1
	Govt. + Tuition	15.7	15.3	15.7	16.6
	Pvt. no tuition	17.7	22.4	24.0	24.3
	Pvt. + Tuition	5.0	6.5	8.1	7.9
	Total	100	100	100	100
Std VI-VIII	Govt. no tuition	54.6	53.1	50.7	50.7
	Govt. + Tuition	20.3	19.3	20.2	21.1
	Pvt. no tuition	19.2	21.6	22.6	22.0
	Pvt. + Tuition	5.9	6.0	6.4	6.2
	Total	100	100	100	100

**Table 13: Tuition expenditures by school type
2016**

Std	Type of school	% Children in different tuition expenditure categories (in Rupees per month)				
		Rs. 100 or less	Rs.101-200	Rs. 201-300	Rs. 301 or more	Total
Std I-V	Govt.	50.3	35.7	8.1	5.9	100
Std I-V	Pvt.	26.4	35.0	18.2	20.4	100
Std VI-VIII	Govt.	27.4	45.8	14.1	12.8	100
Std VI-VIII	Pvt.	17.9	34.5	20.9	26.7	100

Performance of states

Table 14: Private school enrollment, girls not in school, and learning levels by state 2016

State	Private school	Not in school	Std III: Learning levels		Std V: Learning levels		Std VIII: Learning levels	
	% Children (Age 6-14) enrolled in private schools	% Girls (Age 11-14) not enrolled in school	% Children who can read Std II level text	% Children who can do at least subtraction	% Children who can read Std II level text	% Children who can do division	% Children who can read Std II level text	% Children who can do division
Andhra Pradesh	34.2	3.6	22.7	48.1	55.1	37.2	77.8	50.4
Arunachal Pradesh	29.5	2.2	11.8	31.6	25.5	19.0	68.0	55.5
Assam	22.0	4.1	17.2	26.5	38.0	13.6	63.6	28.6
Bihar	12.9	4.4	20.7	27.1	42.0	32.6	75.1	62.3
Chhattisgarh	19.9	3.7	28.1	20.0	55.9	23.0	73.5	28.1
Gujarat	10.2	4.9	23.0	19.6	53.0	16.1	76.6	34.8
Haryana	55.7	3.4	46.1	54.7	68.3	48.9	83.7	65.4
Himachal Pradesh	38.5	0.4	47.0	57.4	70.5	53.7	87.9	59.2
Jharkhand	17.4	5.7	16.4	20.4	36.4	23.5	67.8	42.7
Karnataka	27.4	2.1	19.8	29.0	42.1	19.7	70.1	42.1
Kerala	54.8	0.1	45.5	45.6	69.2	38.6	85.3	53.0
Madhya Pradesh	24.7	8.5	16.6	13.8	38.7	19.4	64.3	33.4
Maharashtra	38.3	1.9	40.7	23.9	62.5	20.3	75.8	31.5
Manipur	71.7	2.1	32.2	59.7	70.7	52.5	91.4	78.6
Meghalaya	55.2	2.6	19.3	22.2	47.9	10.7	85.8	31.4
Mizoram	30.9	2.6	10.3	36.9	46.0	27.7	83.5	76.5
Nagaland	42.4	1.7	15.5	42.7	50.1	21.2	88.0	65.7
Odisha	8.9	3.7	35.4	33.9	51.6	26.6	72.6	39.6
Punjab	51.6	1.2	35.1	48.8	69.2	47.9	86.3	58.0
Rajasthan	39.2	9.7	23.7	21.5	54.2	28.2	80.9	46.7
Tamil Nadu	32.7	0.6	17.7	24.8	45.2	21.4	71.0	44.8
Telangana	40.4	4.7	18.6	42.2	47.1	30.4	75.8	55.1
Tripura	9.7	1.4	28.0	36.0	51.0	19.9	75.0	32.6
Uttar Pradesh	52.1	9.9	22.5	23.2	43.2	22.6	67.9	37.4
Uttarakhand	41.6	1.9	38.5	36.7	63.7	37.0	81.3	46.0
West Bengal	9.3	1.8	38.8	39.6	50.2	29.0	72.1	31.7
All India	30.5	5.2	25.1	27.6	47.8	25.9	73.0	43.2