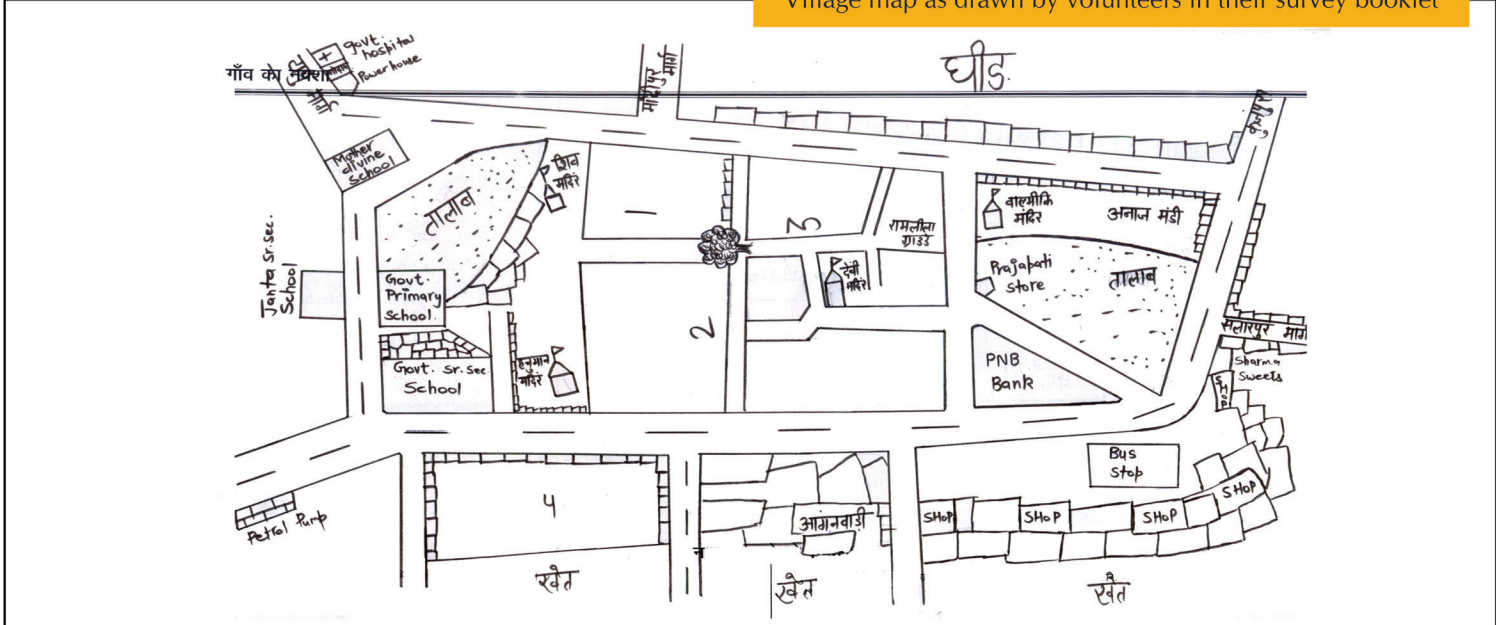




# Haryana

Village map as drawn by volunteers in their survey booklet



## School enrollment

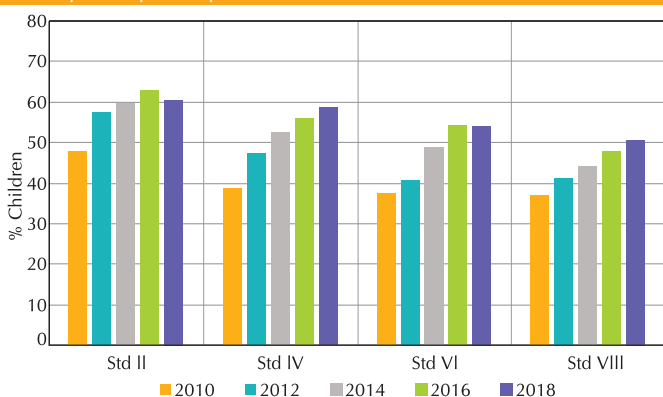
**Table 1: % Children enrolled in different types of schools by age group and gender 2018**

Age group	Govt	Pvt	Other	Not in school	Total
Age 6-14: All	42.6	55.3	0.4	1.7	100
Age 7-16: All	43.4	53.8	0.4	2.5	100
Age 7-10: All	39.7	58.7	0.4	1.2	100
Age 7-10: Boys	35.1	63.6	0.3	0.9	100
Age 7-10: Girls	45.3	52.7	0.5	1.5	100
Age 11-14: All	45.8	51.7	0.4	2.2	100
Age 11-14: Boys	39.6	58.0	0.3	2.1	100
Age 11-14: Girls	52.8	44.5	0.4	2.3	100
Age 15-16: All	47.0	46.0	0.3	6.8	100
Age 15-16: Boys	40.4	52.7	0.2	6.7	100
Age 15-16: Girls	54.1	38.8	0.4	6.8	100

'Other' includes children going to Madarsa or EGS.

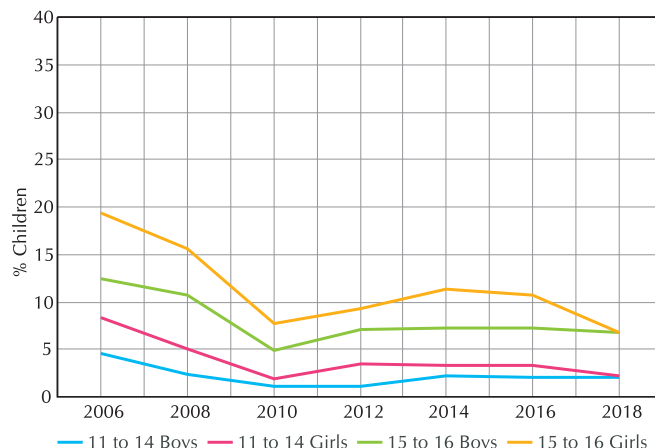
'Not in school' includes children who never enrolled or have dropped out.

**Chart 2: Trends over time**  
% Children enrolled in private schools in Std II, IV, VI and VIII  
2010, 2012, 2014, 2016 and 2018



The proportion of children going to private school often varies by grade. There are also changes over time. For example, in 2018 private school enrollment in Std II is 60.6% as compared to 50.8% in Std VIII.

**Chart 1: Trends over time**  
% Children not enrolled in school by age group and gender  
2006, 2008, 2010, 2012, 2014, 2016 and 2018



Each line shows trends in the proportion of children not enrolled in school for a particular subset of children. For example, the proportion of girls (age 15-16) not enrolled in school was 19.4% in 2006, 9.3% in 2012, and 6.8% in 2018.

**Table 2: Age-grade distribution**  
% Children in each grade by age 2018

Std \ Age	≤5	6	7	8	9	10	11	12	13	14	15	16	Total
I	40.3	33.7	17.8	5.0	3.2							100	
II	7.2	22.7	38.3	23.0	5.8	3.0							100
III	4.8	21.6	38.9	22.2	8.9	3.6							100
IV	5.6	22.9	37.3	23.9	6.1	4.2							100
V	5.3	20.5	43.9	19.9	6.8	3.6							100
VI	4.8	22.5	37.5	26.8	6.0	2.4							100
VII	5.2	19.7	44.6	22.3	5.4	2.9							100
VIII	4.9	27.3	38.2	21.7	5.9	2.0							100

This table shows the age distribution for each grade. For example, of all children in Std III, 38.9% children are 8 years old but there are also 21.6% who are 7, 22.2% who are 9, 8.9% who are 10, and 3.6% who are 11 or older.

## Young children in pre-school and school

**Table 3: % Children age 3-8 enrolled in different types of pre-schools and schools 2018**

Age	Pre-school			School			Not in pre-school or school	Total
	Anganwadi	Govt LKG/UKG	Pvt LKG/UKG	Govt	Pvt	Other		
Age 3	34.7	2.1	36.2	1.9	2.7	0.1	22.4	100
Age 4	15.0	3.8	54.2	8.3	7.8	0.3	10.7	100
Age 5	4.0	2.1	46.9	20.7	22.0	0.1	4.4	100
Age 6	1.2	0.8	21.3	31.3	43.4	0.3	1.7	100
Age 7	0.5	0.2	5.2	35.0	57.4	0.3	1.3	100
Age 8	0.2	0.1	1.4	39.3	57.4	0.4	1.3	100



Data is not presented where sample size is insufficient.

## Reading

ASER learning assessments are conducted in the household. Children in the age group 5-16 are assessed. Assessments are conducted in 19 languages across the country. 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 2018

Std	Not even letter	Letter	Word	Std I level text	Std II level text	Total
I	23.0	29.3	27.4	10.5	9.8	100
II	8.2	20.9	23.1	20.9	26.9	100
III	4.2	9.7	17.1	22.7	46.2	100
IV	2.9	6.0	11.0	18.7	61.4	100
V	2.1	4.8	7.6	16.4	69.1	100
VI	1.0	2.6	4.7	13.2	78.6	100
VII	1.2	2.9	3.9	10.7	81.4	100
VIII	1.5	2.7	3.5	11.1	81.2	100

The reading tool is a progressive tool. Each row shows the variation in children's reading levels within a given grade. For example, among children in Std III, 4.2% cannot even read letters, 9.7% can read letters but not words or higher, 17.1% can read words but not Std I level text or higher, 22.7% can read Std I level text but not Std II level text, and 46.2% can read Std II level text. For each grade, the total of these exclusive categories is 100%.

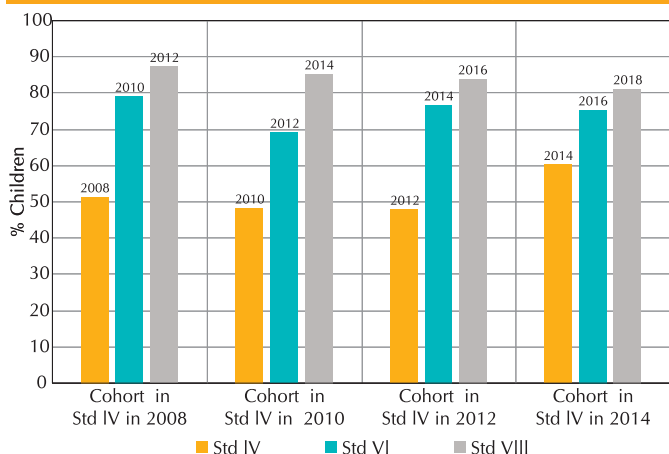
**Table 5: Trends over time**  
Reading in Std III by school type  
2012, 2014, 2016 and 2018

Year	% Children in Std III who can read Std II level text		
	Govt	Pvt	Govt & Pvt*
2012	14.7	52.4	34.1
2014	21.7	61.5	45.4
2016	25.1	61.0	46.2
2018	33.5	56.1	46.4

\* 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.

**Chart 3: Trends over time**  
% Children who can read Std II level text  
Cohorts of children in Std IV in 2008, 2010, 2012 and 2014



This graph shows the progress of four cohorts from Std IV to Std VIII. For example, the first cohort was in Std IV in 2008, in Std VI in 2010, and in Std VIII in 2012. For this cohort, % children who could read Std II level text in Std IV (in 2008) was 51.4% and in Std VI (in 2010) was 79%. When the cohort reached Std VIII in 2012, this figure was 87.4%. The progress of each of these cohorts can be understood in the same way.

## Reading Tool (Hindi)

Std II level text	Std I level text
<p>रामपुर में एक मैदान था। वहाँ कुछ नहीं उगता था। वहाँ कोई खेलने नहीं जाता था। एक दिन कुछ लोग आए। उन्होंने गाँव के लोगों को बुलाया। सबने मिलकर तय किया कि यहाँ बगीचा बनाया जाए। खाद मंगाकर तरह-तरह के पौधे लगाए गए। सही समय पर पानी दिया गया। आज वहाँ एक सुंदर बगीचा है। इसलिए वहाँ सभी खेलने जाते हैं।</p>	<p>रूपा बाहर खेल रही थी। खेलते-खेलते रात हो गई। रूपा अपने घर चली गई। वह खाना खाकर सो गई।</p>
<p>Letters</p> <p>द क च ल ब ह थ त म ख</p>	<p>Words</p> <p>नाक चूँचू कूड़ा खुश मैना मौका सेब पीला झोला दिन</p>

**Table 6: Trends over time**  
Reading in Std V and Std VIII by school type  
2012, 2014, 2016 and 2018

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*
2012	43.5	79.2	59.7	82.3	94.5	87.4
2014	53.9	81.3	68.2	78.4	93.5	85.2
2016	54.6	79.1	68.3	76.4	91.6	83.8
2018	58.1	78.3	69.3	73.4	88.7	81.3

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



Data is not presented where sample size is insufficient.

## Arithmetic

ASER learning assessments are conducted in the household. Children in the age group 5-16 are assessed. Assessments are conducted in 19 languages across the country. The type of school in which children are enrolled (government or private) is also recorded.

**Table 7: % Children by grade and arithmetic level All children 2018**

Std	Not even 1-9	Recognize numbers		Subtract	Divide	Total
		1-9	10-99			
I	17.3	29.3	44.2	7.6	1.6	100
II	5.3	22.5	39.7	27.1	5.4	100
III	2.7	12.8	30.8	34.3	19.4	100
IV	1.6	8.0	23.2	26.7	40.6	100
V	1.3	5.4	16.3	26.1	50.9	100
VI	0.6	3.6	16.6	19.5	59.8	100
VII	1.1	4.3	15.2	18.9	60.5	100
VIII	1.2	3.4	13.3	19.0	63.2	100

The arithmetic tool is a progressive tool. Each row shows the variation in children's arithmetic levels within a given grade. For example, among children in Std III, 2.7% cannot even recognize numbers 1-9, 12.8% can recognize numbers up to 9 but cannot recognize numbers up to 99 or higher, 30.8% can recognize numbers up to 99 but cannot do subtraction, 34.3% can do subtraction but cannot do division, and 19.4% can do division. For each grade, the total of these exclusive categories is 100%.

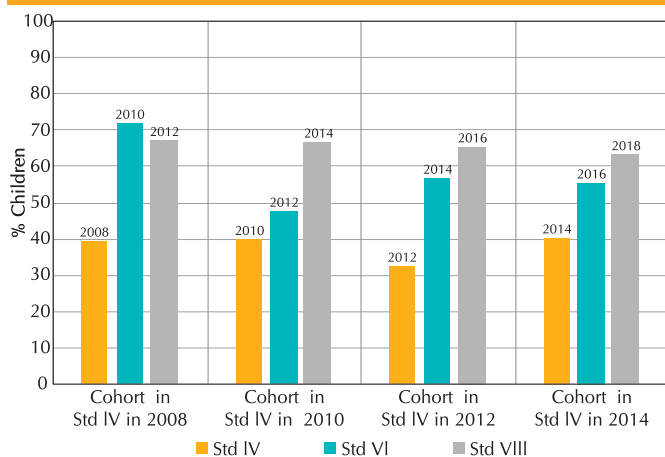
**Table 8: Trends over time Arithmetic in Std III by school type 2012, 2014, 2016 and 2018**

Year	% Children in Std III who can do at least subtraction		
	Govt	Pvt	Govt & Pvt*
2012	20.0	70.8	46.0
2014	24.0	74.7	54.1
2016	27.7	73.7	54.8
2018	31.6	70.7	53.9

\* 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.

**Chart 4: Trends over time % Children who can do division Cohorts of children in Std IV in 2008, 2010, 2012 and 2014**



This graph shows the progress of four cohorts from Std IV to Std VIII. For example, the first cohort was in Std IV in 2008, in Std VI in 2010, and in Std VIII in 2012. For this cohort, % children who were at division level in Std IV (in 2008) was 39.6% and in Std VI (in 2010) was 71.8%. When the cohort reached Std VIII in 2012, this figure was 67.2%. The progress of each of these cohorts can be understood in the same way.

## Arithmetic Tool (Hindi)

अंक पहचान 1-9	दो-अंक पहचान 10-99	घटाव	भाग
3 7	65 38	41 64 - 13 - 48	7) 928
1 4	92 23	84 73 - 49 - 36	6) 769
8 2	47 72	56 31 - 37 - 13	8) 987
5 9	54 87	45 53 - 18 - 24	4) 519

बच्चे को यह भी पूछा जाएगा कि वह क्या कर सकता है।  
 बच्चे को यह भी पूछा जाएगा कि वह क्या कर सकता है।  
 बच्चे को यह भी पूछा जाएगा कि वह क्या कर सकता है।  
 बच्चे को यह भी पूछा जाएगा कि वह क्या कर सकता है।

**Table 9: Trends over time Arithmetic in Std V and Std VIII by school type 2012, 2014, 2016 and 2018**

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*
2012	25.4	63.7	42.9	56.0	82.6	67.2
2014	30.8	71.0	51.9	50.7	86.1	66.7
2016	30.1	63.8	48.9	53.4	78.0	65.3
2018	34.4	64.5	51.0	49.1	76.8	63.3

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



Data is not presented where sample size is insufficient.

## Basic reading and arithmetic

**Table 10: Basic reading by age group and gender 2018**

Age group	% Children who can read Std II level text		
	Male	Female	All
Age 8-10	52.4	61.4	56.6
Age 11-13	78.1	80.1	79.0
Age 14-16	86.9	87.4	87.1

**Table 11: Basic arithmetic by age group and gender 2018**

Age group	% Children who can do at least subtraction			% Children who can do division		
	Male	Female	All	Male	Female	All
Age 8-10	62.5	63.7	63.0	32.6	37.1	34.7
Age 11-13	80.6	78.4	79.6	61.8	58.4	60.2
Age 14-16	81.8	82.1	82.0	66.5	66.7	66.6

## Beyond basics

These questions were asked only to children in the age group 14-16. For each task, the surveyor showed the visual and read out the question to the child. The exact answer given by the child was recorded. The results are reported only for those children who were able to do at least subtraction correctly.

**Calculating time**

अगर यह लड़की रात को इस समय सोती है और सुबह इस समय उठती है, तो बताओ कि यह कुल कितने घंटे सोती है?

**Applying unitary method**

अगर 15 लीटर पानी को शुद्ध करने के लिए दुबार्ड की 3 गोलियाँ बालनी पड़ती हैं, तो बताओ कि 25 लीटर पानी को शुद्ध करने के लिए कितनी गोलियाँ डालनी पड़ेंगी?

**Financial decision making**

बाज़ार में किताबों की 2 दुकानें हैं जहाँ यह 5 किताबें मिलती हैं। यदि आपको यह पाँचों किताबें खरीदनी हैं, तो आपको कम-से-कम कितने रुपये देने होंगे?

दुकान 1 - मूल्य सूची		दुकान 2 - मूल्य सूची	
किताब का नाम	मूल्य	किताब का नाम	मूल्य
विज्ञान	₹ 80	विज्ञान	₹ 80
गणित	₹ 30	गणित	₹ 30
हिन्दी	₹ 50	हिन्दी	₹ 50
अंग्रेजी	₹ 60	अंग्रेजी	₹ 60
इतिहास	₹ 40	इतिहास	₹ 40

**Calculating discount**

यह इस टी-शर्ट का मूल्य है और इस दाम पर 10 प्रतिशत/percent की छूट है। अगर आपको यह टी-शर्ट खरीदनी हो, तो आपको कितने रुपये देने होंगे?

**Table 12: Of all children who can do subtraction but not division, % children who can correctly answer by age and gender 2018**

Age	Calculating time			Applying unitary method			Financial decision making			Calculating discount		
	Male	Female	All	Male	Female	All	Male	Female	All	Male	Female	All
Age 14	30.3	41.6	35.8	48.2	46.5	47.4	40.4	33.9	37.2	22.1	10.5	16.5
Age 15	22.9	42.2	35.4	48.5	36.8	41.0	30.7	24.1	26.4	15.3	6.1	9.3
Age 16	44.1	32.0	38.2	39.0	38.6	38.8	40.9	42.8	41.8	13.8	10.5	12.2
Age 14-16	31.9	39.9	36.2	46.0	40.9	43.2	38.0	31.7	34.6	18.2	8.7	13.1

**Table 13: Of all children who can do division, % children who can correctly answer by age and gender 2018**

Age	Calculating time			Applying unitary method			Financial decision making			Calculating discount		
	Male	Female	All	Male	Female	All	Male	Female	All	Male	Female	All
Age 14	48.6	48.7	48.6	57.3	56.1	56.7	43.2	43.7	43.4	35.3	25.8	30.6
Age 15	52.5	53.1	52.8	63.6	54.2	58.7	43.2	46.3	44.8	39.9	27.2	33.3
Age 16	56.3	54.6	55.4	62.7	57.2	60.0	43.1	43.8	43.4	39.0	25.9	32.6
Age 14-16	52.1	51.9	52.0	61.0	55.7	58.3	43.2	44.6	43.9	37.9	26.3	32.1



## School observations

In each sampled village, the largest government school with primary sections is visited on the day of the survey. Information about schools in this report is based on these visits.

**Table 14: Trends over time  
Number of schools visited  
2010, 2014, 2016 and 2018**

	2010	2014	2016	2018
Primary schools (Std I-IV/V)	302	445	439	392
Upper primary schools (Std I-VII/VIII)	226	132	154	221
Total schools visited	528	577	593	613

**Table 15: Trends over time  
Student and teacher attendance on the day of visit  
2010, 2014, 2016 and 2018**

Primary schools (Std I-IV/V)	2010	2014	2016	2018
% Enrolled children present (Average)	82.9	78.7	82.3	77.7
% Teachers present (Average)	89.8	85.8	85.3	87.0
Upper primary schools (Std I-VII/VIII)	2010	2014	2016	2018
% Enrolled children present (Average)	81.7	79.6	83.8	77.6
% Teachers present (Average)	87.8	86.1	85.8	88.5

**Table 16: Trends over time  
Multigrade classes  
2010, 2014, 2016 and 2018**

Primary schools (Std I-IV/V)	2010	2014	2016	2018
% Schools where Std II children were observed sitting with one or more other classes	33.0	34.0	43.3	40.9
% Schools where Std IV children were observed sitting with one or more other classes	30.1	27.4	32.9	36.2
Upper primary schools (Std I-VII/VIII)	2010	2014	2016	2018
% Schools where Std II children were observed sitting with one or more other classes	31.3	35.2	53.6	42.9
% Schools where Std IV children were observed sitting with one or more other classes	28.9	27.3	54.7	40.6

## School facilities

**Table 17: Trends over time  
% Schools with selected facilities  
2010, 2014, 2016 and 2018**

% Schools with		2010	2014	2016	2018
Mid-day meal	Kitchen shed for cooking mid-day meal	51.0	75.8	82.0	88.2
	Mid-day meal served in school on day of visit	93.7	91.7	92.5	85.3
Drinking water	No facility for drinking water	17.7	15.5	16.6	11.6
	Facility but no drinking water available	7.7	8.4	7.6	6.4
	Drinking water available	74.6	76.2	75.8	82.0
Total		100	100	100	100
Toilet	No toilet facility	2.0	2.4	0.5	0.7
	Facility but toilet not useable	30.1	15.8	14.0	8.5
	Toilet useable	67.9	81.8	85.5	90.8
	Total	100	100	100	100
Girls' toilet	No separate provision for girls' toilet	10.0	4.6	2.9	4.8
	Separate provision but locked	13.4	3.3	3.4	2.3
	Separate provision, unlocked but not useable	23.9	12.5	11.4	8.5
	Separate provision, unlocked and useable	52.8	79.6	82.3	84.4
	Total	100	100	100	100
Library	No library	35.4	15.8	16.8	16.0
	Library but no books being used by children on day of visit	33.0	48.2	42.3	44.8
	Library books being used by children on day of visit	31.6	36.0	40.9	39.1
	Total	100	100	100	100
Electricity	Electricity connection			96.2	95.7
	Of schools with electricity connection, % schools with electricity available on day of visit			49.5	70.8
Computer	No computer available for children to use	82.6	88.5	89.4	81.7
	Available but not being used by children on day of visit	10.5	7.9	8.2	13.3
	Computer being used by children on day of visit	6.9	3.7	2.4	5.1
	Total	100	100	100	100



Data is not presented where sample size is insufficient.

## Other school indicators

In each sampled village, the largest government school with primary sections is visited on the day of the survey. Information about schools in this report is based on these visits.

**Table 18: Trends over time  
 % Schools with total enrollment of 60 or less  
 2010, 2014, 2016 and 2018**

	2010	2014	2016	2018
Primary schools (Std I-IV/V)	10.3	12.4	18.9	25.3
Upper primary schools (Std I-VII/VIII)	1.4	1.5	5.2	4.1

**Table 19: Physical education and sports in schools 2018**

% Schools with		Std I-IV/ V	Std I-VII/ VIII	All schools
Dedicated time for physical education	Physical education period in the timetable	30.8	67.9	44.6
	No physical education period but dedicated time allotted	47.3	22.0	37.9
	No physical education period and no dedicated time allotted	21.9	10.1	17.5
	Total	100	100	100
Physical education teacher	Separate physical education teacher	9.7	63.4	29.2
	Other physical education teacher	65.1	25.5	50.8
	No physical education teacher	25.2	11.1	20.1
	Total	100	100	100
Playground	Playground inside the school premises	82.0	88.1	84.3
	Playground outside the school premises	9.4	8.7	9.1
	No accessible playground	8.6	3.2	6.6
	Total	100	100	100
Availability of any sports equipment		59.3	64.7	61.2
Supervised physical education activity observed on day of visit		30.6	36.6	32.8

**Table 20: School Management Committee (SMC) in schools  
 2014, 2016 and 2018**

	2014	2016	2018
% Schools which reported having an SMC	98.9	96.6	99.0
Of all schools that have an SMC, % schools that had the last SMC meeting			
Before July	4.0	5.7	2.3
Between July and September	72.6	83.3	58.9
After September	23.4	11.0	38.8

