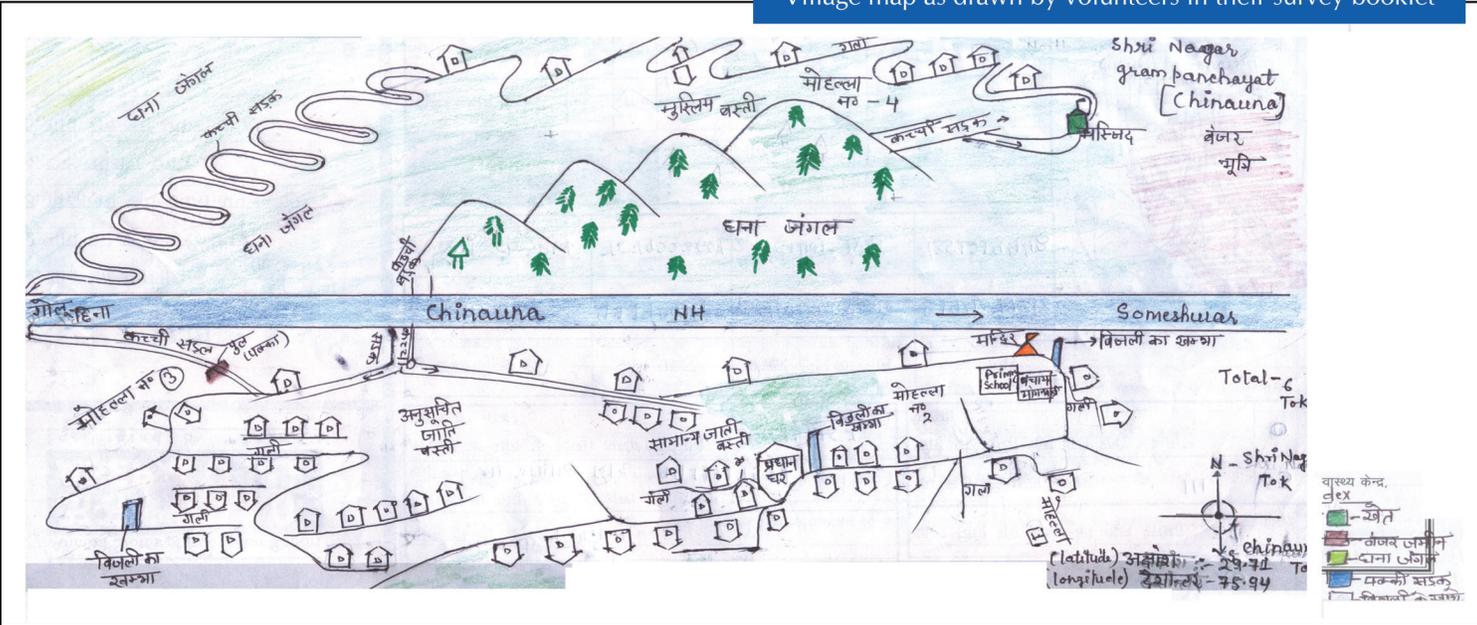


# Uttarakhand

Village map as drawn by volunteers in their survey booklet



## School enrollment

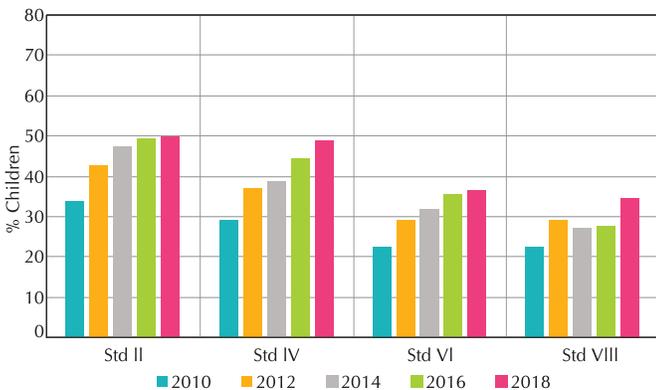
**Table 1: % Children enrolled in different types of schools by age group and gender 2018**

Age group	Govt	Pvt	Other	Not in school	Total
Age 6-14: All	55.0	42.7	0.8	1.5	100
Age 7-16: All	57.1	39.7	0.8	2.4	100
Age 7-10: All	49.4	48.6	1.2	0.8	100
Age 7-10: Boys	48.0	50.4	1.0	0.6	100
Age 7-10: Girls	50.9	46.6	1.5	0.9	100
Age 11-14: All	60.0	37.6	0.4	2.0	100
Age 11-14: Boys	55.5	42.3	0.5	1.8	100
Age 11-14: Girls	65.2	32.3	0.3	2.2	100
Age 15-16: All	66.1	26.5	0.6	6.9	100
Age 15-16: Boys	62.8	29.7	0.4	7.1	100
Age 15-16: Girls	69.7	22.9	0.8	6.6	100

'Other' includes children going to Madarsa or EGS.

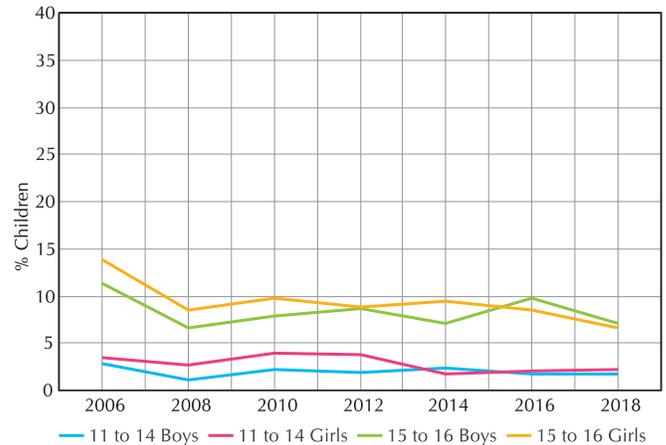
'Not in school' includes children who never enrolled or have dropped out.

**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 49.8% as compared to 34.6% 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 13.8% in 2006, 8.8% in 2012, and 6.6% 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	28.6	35.7	22.4	8.4				4.9					100
II	4.1	12.9	37.2	27.7	9.3	5.0				3.8		100	
III	3.3	13.0	37.8	28.2	10.5				7.2		100		
IV	3.2		12.3	30.7	33.0	12.8	5.3				2.6	100	
V	4.1			10.0	38.8	25.1	14.1	6.0				1.7	100
VI	3.0				11.2	33.9	33.1	11.9	5.3			1.6	100
VII	5.0				11.9	39.8	29.2	9.8			4.4	100	
VIII	5.6				17.2	38.9	25.5	10.9			1.9	100	

This table shows the age distribution for each grade. For example, of all children in Std III, 37.8% children are 8 years old but there are also 13% who are 7, 28.2% who are 9, 10.5% who are 10, and 7.2% 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	51.8	0.3	21.6	0.8	1.7	0.3	23.4	100
Age 4	45.5	1.8	38.0	2.7	2.1	0.6	9.4	100
Age 5	16.7	1.5	46.0	20.2	10.4	0.9	4.3	100
Age 6	5.1	0.6	25.4	37.5	29.5	0.6	1.4	100
Age 7	0.0	0.2	10.2	46.8	40.0	1.3	1.5	100
Age 8	0.2	0.1	3.3	44.0	50.7	1.0	0.8	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	29.9	37.0	17.9	8.9	6.3	100
II	11.6	26.3	22.1	18.7	21.3	100
III	6.3	18.2	19.1	21.9	34.5	100
IV	3.4	9.4	13.3	21.5	52.4	100
V	2.9	7.5	8.4	16.9	64.3	100
VI	2.2	4.3	6.0	14.3	73.2	100
VII	1.7	3.7	2.6	13.2	78.8	100
VIII	1.1	2.1	2.6	10.5	83.8	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, 6.3% cannot even read letters, 18.2% can read letters but not words or higher, 19.1% can read words but not Std I level text or higher, 21.9% can read Std I level text but not Std II level text, and 34.5% can read Std II level text. For each grade, the total of these exclusive categories is 100%.

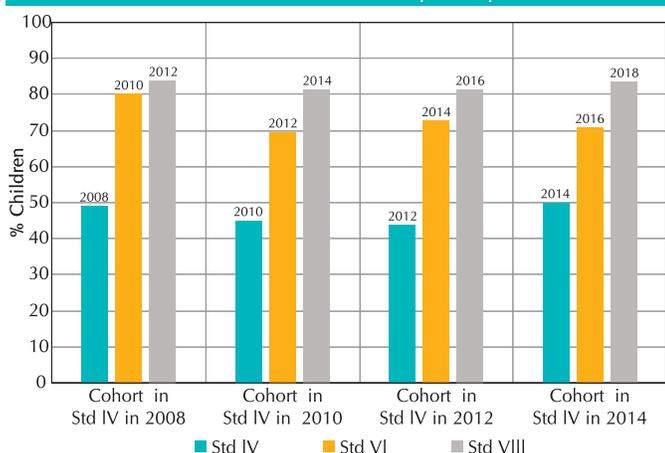
**Table 5: Trends over time**  
Reading in Std III by school type  
2012, 2014, 2016 and 2018

Year	% Children in Std III who can read Std II level text		
	Govt	Pvt	Govt & Pvt*
2012	20.7	48.8	31.7
2014	23.3	51.7	35.3
2016	25.3	54.1	38.2
2018	24.7	43.3	34.5

\* 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 49% and in Std VI (in 2010) was 80%. When the cohort reached Std VIII in 2012, this figure was 83.8%. 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>सावन का महीना था। आसमान में बहुत काले-काले बादल छाए थे। ठंडी-ठंडी हवा चल रही थी। मुझे झूला झूलने का मन किया। बड़े भैया एक मोटी सी रस्सी लेकर बाहर आए। भैया ने रस्सी को पेड़ से लटकाकर झूला बनाया। सब ने मिलकर खूब झूला झूला। बाकी बच्चे भी आकर मजे से झूलने लगे। झूलते-झूलते रात हो गई।</p>	<p>बगीचे में एक पेड़ है। पेड़ पर एक तोता रहता है। तोते का रंग हरा है। वह लाल टमाटर खाता है।</p>
<p>Letters</p> <p>ल प स क ग ड ब म ट झ</p>	<p>Words</p> <p>लाल दूध पैर किला तेल जूता मोर कुल पानी मौका</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	52.2	70.1	58.1	81.7	89.9	83.9
2014	52.0	75.0	60.3	77.3	90.7	81.2
2016	55.9	73.7	63.6	79.4	86.7	81.4
2018	58.0	72.8	64.6	81.6	87.7	83.7

\* 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	26.8	34.7	34.1	4.4	0.1	100
II	8.4	32.1	43.7	14.2	1.6	100
III	4.6	22.4	40.7	23.9	8.4	100
IV	2.8	14.1	41.3	22.9	19.0	100
V	1.4	10.9	27.2	23.0	37.5	100
VI	1.4	8.3	31.0	22.1	37.3	100
VII	0.4	5.1	27.6	24.1	42.8	100
VIII	0.5	2.6	27.2	21.2	48.6	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, 4.6% cannot even recognize numbers 1-9, 22.4% can recognize numbers up to 9 but cannot recognize numbers up to 99 or higher, 40.7% can recognize numbers up to 99 but cannot do subtraction, 23.9% can do subtraction but cannot do division, and 8.4% can do division. For each grade, the total of these exclusive categories is 100%.

## Arithmetic Tool (Hindi)

अंक पहचान 1-9	संख्या पहचान 10-99	घटाव	भाग
1 4	51 83	46 63 - 29 - 39	7) 879
7 3	37 65	47 45 - 28 - 17	6) 824
6 9	55 26	92 84 - 76 - 57	8) 985
5 2	91 43	52 66 - 14 - 48	4) 517

कहाँ से नहीं की 1 अंक पहचान की नहीं। नाम से नाम 1 नहीं होने चाहिए।
कहाँ से नहीं की 2 अंक पहचान की नहीं। नाम से नाम 2 नहीं होने चाहिए।
कहाँ से नहीं की 2 अंक से घटाव करने की नहीं। दोनों ही नहीं होने चाहिए।
कहाँ से नहीं की 1 नाम से नाम करने की नहीं। नाम से नाम 1 नहीं होने चाहिए।

**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	23.4	58.0	37.1
2014	17.2	45.8	29.3
2016	23.4	53.3	36.8
2018	18.5	45.2	32.6

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

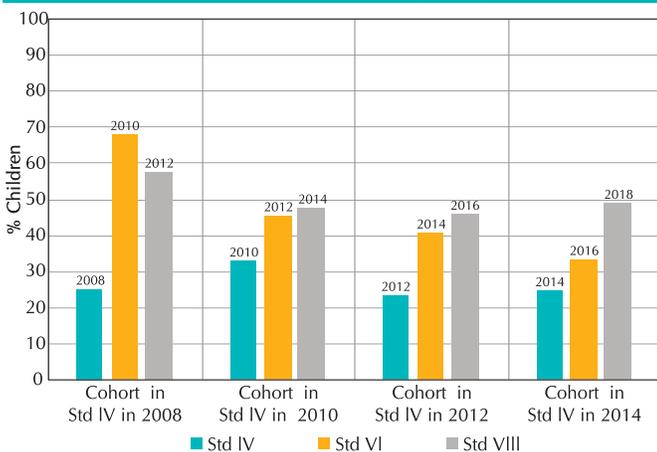
In most states, children are expected to do 2-digit by 2-digit subtraction with borrowing by Std II. Table 8 shows the proportion of children in Std III who can do subtraction. This figure is a proxy for "grade level" arithmetic for Std III. Data for children enrolled in government schools and private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

**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	27.3	50.1	34.9	50.2	76.7	57.4
2014	21.4	46.1	30.3	38.1	70.6	47.7
2016	25.5	51.6	36.8	38.5	66.5	45.9
2018	26.7	50.9	37.5	41.6	62.7	48.7

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

**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 25% and in Std VI (in 2010) was 68%. When the cohort reached Std VIII in 2012, this figure was 57.4%. The progress of each of these cohorts can be understood in the same way.



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	42.3	48.7	45.3
Age 11-13	71.7	78.5	74.9
Age 14-16	85.4	87.5	86.4

**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	39.4	37.7	38.6	17.3	14.9	16.2
Age 11-13	64.5	61.9	63.3	40.7	41.1	40.9
Age 14-16	75.6	66.5	71.2	59.8	41.5	51.0

## 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 40 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	₹ 70	हिन्दी	₹ 70
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	26.6	38.4	33.4	29.4	40.1	35.6	24.0	33.8	29.7	5.2	9.3	7.6
Age 15	28.1	27.9	28.0	48.8	22.0	32.3	32.2	29.1	30.3	12.4	6.8	8.9
Age 16	46.4	36.8	40.4	41.8	29.8	34.3	35.3	30.9	32.6	25.4	11.2	16.6
Age 14-16	32.7	34.5	33.8	38.8	31.2	34.2	29.7	31.4	30.7	13.1	9.1	10.7

**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	42.4	37.1	40.2	55.7	46.9	52.1	44.2	37.9	41.6	31.3	14.9	24.6
Age 15	46.7	48.6	47.4	53.8	46.1	50.9	44.0	46.4	44.9	32.0	17.1	26.4
Age 16	53.3	40.8	48.3	61.2	49.8	56.7	45.1	49.9	47.0	33.7	24.4	30.0
Age 14-16	47.1	42.2	45.2	56.6	47.5	53.0	44.4	44.3	44.3	32.2	18.4	26.8



## 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)	321	297	317	286
Upper primary schools (Std I-VII/VIII)	16	4	7	10
Total schools visited	337	301	324	296

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

All schools (Std I-IV/V and Std I-VII/VIII)	2010	2014	2016	2018
% Enrolled children present (Average)	89.7	80.2	82.4	82.9
% Teachers present (Average)	90.9	81.0	79.7	86.2

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

All schools (Std I-IV/V and Std I-VII/VIII)	2010	2014	2016	2018
% Schools where Std II children were observed sitting with one or more other classes	61.9	80.1	76.9	75.9
% Schools where Std IV children were observed sitting with one or more other classes	57.0	76.9	74.6	71.9

## 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	96.3	97.3	95.6	98.0
	Mid-day meal served in school on day of visit	95.0	92.3	95.0	88.1
Drinking water	No facility for drinking water	22.1	17.7	14.0	13.2
	Facility but no drinking water available	9.7	13.0	14.0	11.2
	Drinking water available	68.3	69.2	72.1	75.6
Total		100	100	100	100
Toilet	No toilet facility	5.8	5.0	2.8	1.7
	Facility but toilet not useable	40.9	25.8	22.3	12.5
	Toilet useable	53.4	69.2	74.9	85.8
	Total	100	100	100	100
Girls' toilet	No separate provision for girls' toilet	47.7	26.2	17.3	17.8
	Separate provision but locked	11.5	8.8	10.0	5.1
	Separate provision, unlocked but not useable	16.9	11.3	11.3	9.9
	Separate provision, unlocked and useable	24.0	53.7	61.3	67.2
	Total	100	100	100	100
Library	No library	52.3	14.1	13.0	15.3
	Library but no books being used by children on day of visit	27.2	49.0	45.7	58.6
	Library books being used by children on day of visit	20.4	36.9	41.3	26.1
	Total	100	100	100	100
Electricity	Electricity connection		83.6	86.3	
	Of schools with electricity connection, % schools with electricity available on day of visit		74.3	74.8	
Computer	No computer available for children to use	93.3	91.2	90.4	90.2
	Available but not being used by children on day of visit	5.2	6.8	7.1	9.1
	Computer being used by children on day of visit	1.5	2.0	2.5	0.7
	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
All schools (Std I-IV/V and Std I-VII/VIII)	69.0	76.7	75.0	73.1



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

% Schools with		All schools (Std I-IV/V and Std I-VII/VIII)
Dedicated time for physical education	Physical education period in the timetable	59.2
	No physical education period but dedicated time allotted	25.6
	No physical education period and no dedicated time allotted	15.2
	Total	100
Physical education teacher	Separate physical education teacher	7.5
	Other physical education teacher	70.4
	No physical education teacher	22.1
	Total	100
Playground	Playground inside the school premises	68.8
	Playground outside the school premises	11.5
	No accessible playground	19.7
	Total	100
Availability of any sports equipment		50.5
Supervised physical education activity observed on day of visit		22.0



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

	2014	2016	2018
% Schools which reported having an SMC	98.3	98.7	97.0
Of all schools that have an SMC, % schools that had the last SMC meeting			
Before July	9.9	7.3	7.1
Between July and September	71.7	33.0	61.8
After September	18.4	59.7	31.1