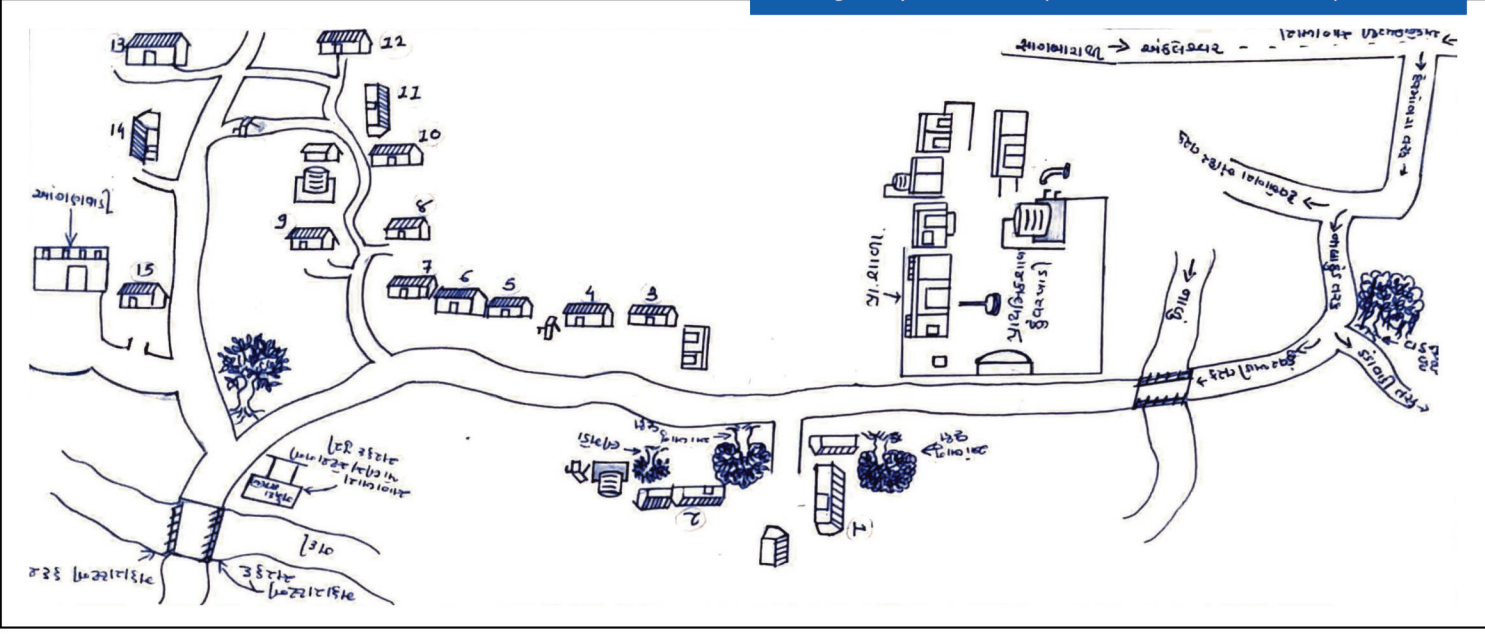




Gujarat

Village map as drawn by volunteers in their survey booklet



School enrollment

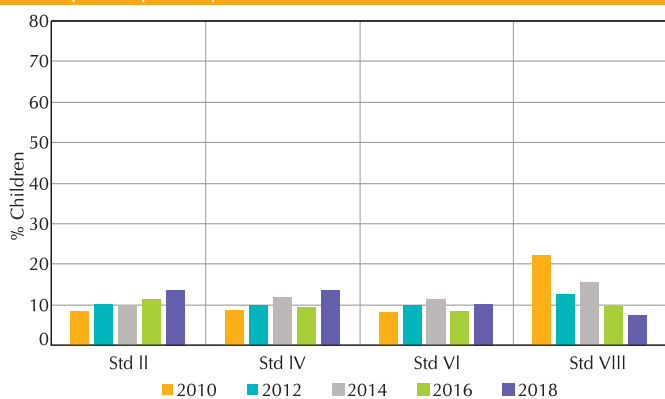
Table 1: % Children enrolled in different types of schools by age group and gender 2018

Age group	Govt	Pvt	Other	Not in school	Total
Age 6-14: All	85.6	12.4	0.1	1.8	100
Age 7-16: All	81.2	13.7	0.1	5.0	100
Age 7-10: All	86.2	13.1	0.1	0.6	100
Age 7-10: Boys	83.4	15.6	0.2	0.8	100
Age 7-10: Girls	89.3	10.2	0.1	0.4	100
Age 11-14: All	84.4	12.4	0.1	3.1	100
Age 11-14: Boys	83.6	13.8	0.0	2.6	100
Age 11-14: Girls	85.3	11.0	0.1	3.6	100
Age 15-16: All	61.7	18.4	0.1	19.8	100
Age 15-16: Boys	65.0	19.6	0.0	15.4	100
Age 15-16: Girls	57.9	17.0	0.2	24.9	100

'Other' includes children going to Madarsa or EGS.

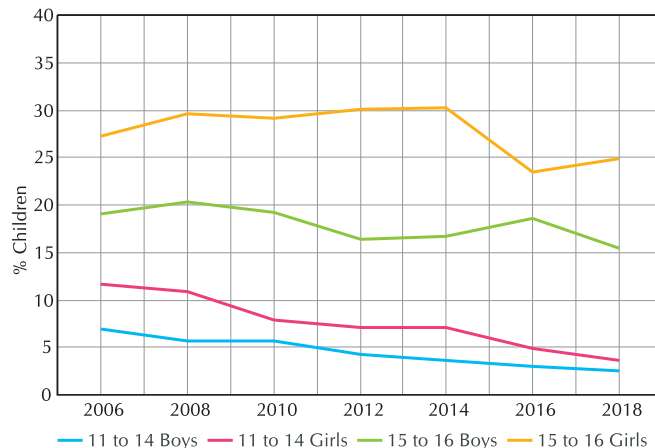
'Not in school' includes children who never enrolled or have dropped out.

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 13.7% as compared to 7.4% 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 27.3% in 2006, 30.1% in 2012, and 24.9% 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	17.2	72.4	8.3										100
II	1.3	7.4	79.0	11.2									100
III	0.7	9.5	76.0	12.1								1.7	100
IV	1.3	10.7	69.0	15.9						3.2	100		
V	0.8	8.0	75.0	13.0					3.2	100			
VI	0.9	7.5	70.3	17.7				3.7	100				
VII	1.2	8.2	68.6	18.4			3.6	100					
VIII	1.3	7.9	72.1	13.0			5.7	100					

This table shows the age distribution for each grade. For example, of all children in Std III, 76% children are 8 years old but there are also 9.5% who are 7, 12.1% who are 9, and 1.7% who are 10 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	89.2	1.1	4.7	0.0	0.0	0.0	4.9	100
Age 4	88.0	0.9	7.8	0.7	0.2	0.0	2.5	100
Age 5	54.9	2.3	11.8	23.0	5.3	0.0	2.7	100
Age 6	6.1	0.2	2.4	81.2	9.0	0.0	1.1	100
Age 7	0.6	0.0	0.1	85.9	12.5	0.1	0.9	100
Age 8	0.0	0.0	0.0	86.6	12.8	0.0	0.6	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	36.5	40.8	14.7	4.2	3.8	100
II	13.0	24.3	33.1	19.1	10.6	100
III	6.1	15.5	22.5	22.7	33.1	100
IV	3.7	10.0	13.9	22.6	49.8	100
V	2.7	7.8	12.3	23.5	53.7	100
VI	2.0	4.9	10.5	20.7	61.9	100
VII	1.5	3.9	6.9	17.2	70.4	100
VIII	0.6	4.8	5.5	15.9	73.2	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, 6.1% cannot even read letters, 15.5% can read letters but not words or higher, 22.5% 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 33.1% can read Std II level text. For each grade, the total of these exclusive categories is 100%.

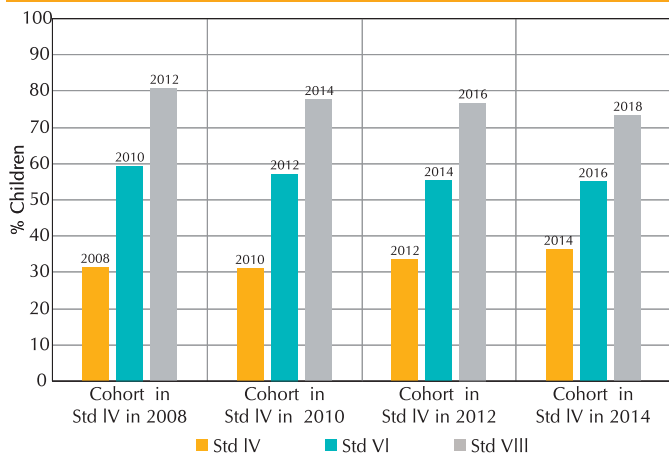
Table 5: Trends over time
Reading in Std III by school type
2012, 2014, 2016 and 2018

Year	% Children in Std III who can read Std II level text		
	Govt	Pvt	Govt & Pvt*
2012	19.5	34.2	20.9
2014	17.6	41.8	20.3
2016	21.6	36.7	23.0
2018	32.3	39.3	33.3

* 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 31.5% and in Std VI (in 2010) was 59.2%. When the cohort reached Std VIII in 2012, this figure was 80.9%. The progress of each of these cohorts can be understood in the same way.

Reading Tool (Gujarati)

Std II level text	Std I level text										
શિયાળો આવે એટલે ઠંડી લાગે અને ઊનનાં કપડાં પહેરવાં ગમે. રાતે તાપણું કરી તેની ફરતે ગોળ બેસી વાતો કરવી ગમે. ઉનાળો આવે ત્યારે ગરમી શરૂ થઈ જાય. પાતળાં કપડાં પહેરવાં ગમે અને પંખામાં સૂવું ગમે. ચોમાસું આવે એટલે ખૂબ વરસાદ પડે. નદીમાં પૂર આવે અને ખેતરમાં અનાજ ઊગી નીકળે. બહાર જતાં છત્રી સાથે રાખવી પડે.	રમણ વાડીએ ચાલ. મામાની વાડીએ જઈએ. મામાની વાડીમાં જઈએ અને જામફળ ખાઈએ. જામફળ ખાવાની મજા આવશે.										
	<table border="1"> <thead> <tr> <th>Letters</th> <th>Words</th> </tr> </thead> <tbody> <tr> <td>ક ડ ઘ</td> <td>કમલ કમલ</td> </tr> <tr> <td>ગ ઘ</td> <td>કુલ કુલ</td> </tr> <tr> <td>ચ ઢ ટ</td> <td>કુલ કુલ</td> </tr> <tr> <td>મ ખ</td> <td>કુલ કુલ</td> </tr> </tbody> </table>	Letters	Words	ક ડ ઘ	કમલ કમલ	ગ ઘ	કુલ કુલ	ચ ઢ ટ	કુલ કુલ	મ ખ	કુલ કુલ
Letters	Words										
ક ડ ઘ	કમલ કમલ										
ગ ઘ	કુલ કુલ										
ચ ઢ ટ	કુલ કુલ										
મ ખ	કુલ કુલ										

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	46.3	66.3	47.7	80.2	86.2	80.9
2014	44.6	64.1	46.6	76.4	84.2	77.6
2016	52.3	59.1	52.9	75.7	85.7	76.6
2018	52.0	68.1	53.8	72.5	84.4	73.3

* 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	33.5	51.2	10.7	2.6	2.0	100
II	13.8	45.1	33.6	6.5	1.0	100
III	5.8	26.1	42.5	23.3	2.3	100
IV	4.9	17.8	35.4	27.8	14.1	100
V	2.3	12.5	34.4	30.7	20.1	100
VI	2.2	10.1	28.0	32.3	27.4	100
VII	1.8	5.8	26.4	31.6	34.3	100
VIII	0.8	7.7	23.3	32.5	35.6	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, 5.8% cannot even recognize numbers 1-9, 26.1% can recognize numbers up to 9 but cannot recognize numbers up to 99 or higher, 42.5% can recognize numbers up to 99 but cannot do subtraction, 23.3% can do subtraction but cannot do division, and 2.3% can do division. For each grade, the total of these exclusive categories is 100%.

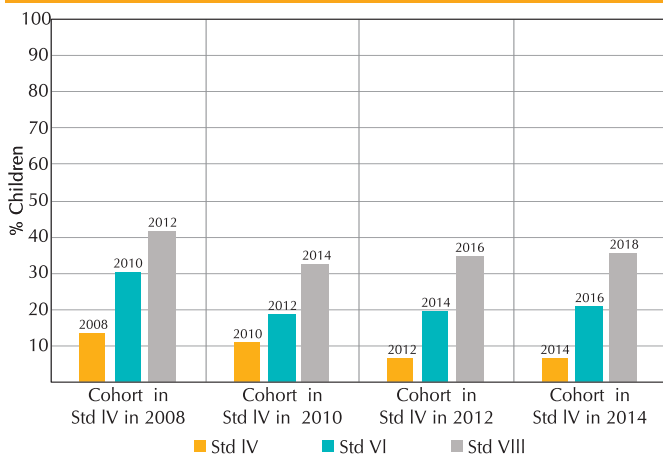
Table 8: Trends over time
 Arithmetic in Std III by school type 2012, 2014, 2016 and 2018

Year	% Children in Std III who can do at least subtraction		
	Govt	Pvt	Govt & Pvt*
2012	12.0	33.6	14.0
2014	12.4	35.2	14.9
2016	18.3	31.9	19.6
2018	22.8	43.1	25.7

* 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.

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 13.2% and in Std VI (in 2010) was 30.4%. When the cohort reached Std VIII in 2012, this figure was 41.4%. The progress of each of these cohorts can be understood in the same way.

Arithmetic Tool (Gujarati)

કાંઠા સંકીર્ણ ૧-૯	સંખ્યા સંકીર્ણ ૧૦-૯૯	બાદબાકી	ભાગાકાર
૫ ૭	૭૪ ૨૩	૬૩ ૫૧ - ૪૪ - ૩૫	૭) ૮૯૮
૮ ૪	૯૧ ૮૬	૯૨ ૭૧ - ૪૮ - ૩૫	૪) ૬૫૯
૨ ૯	૨૪ ૭૯	૪૫ ૩૪ - ૨૭ - ૧૯	૮) ૯૪૬
૩ ૧	૫૮ ૧૪	૪૩ ૪૬ - ૨૯ - ૧૭	૬) ૭૫૭

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	12.4	34.0	13.9	39.2	58.2	41.4
2014	13.9	34.8	16.1	29.3	50.4	32.6
2016	14.5	32.2	16.1	33.9	44.4	34.8
2018	18.4	34.2	20.2	35.8	32.4	35.6

* 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	41.9	48.1	44.9
Age 11-13	64.8	72.0	68.4
Age 14-16	77.7	77.8	77.7

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	37.9	38.5	38.2	12.7	10.5	11.6
Age 11-13	63.9	65.4	64.7	30.3	33.6	32.0
Age 14-16	62.8	65.1	64.0	38.9	39.1	39.0

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

જો આ છોકરી રાત્રે આ સમયે ઊંચે છે અને સવારે આ સમયે ઊંઠે છે, તો ક્યો કે તેણી કુલ કેટલાં કલાક ઊંચે છે?

Applying unitary method

જો 15 લીટર પાણીને મુખ્ય કરવા માટે 3 કવાની ગોળીઓ નાંખવી પડે, તો ક્યો કે 35 લીટર પાણીને મુખ્ય કરવા માટે કેટલી ગોળીઓ નાંખવી પડે?

Financial decision making

બજારમાં પુસ્તકોની 2 દુકાનો છે, જ્યાં આ 5 પુસ્તકો મળે છે. જો તમારે આ પાંચેય પુસ્તકો ખરીદવાં હોય, તો તમારે ઓછામાં ઓછું કેટલા રૂપિયા આપવા પડે?

દુકાન 1 - ભાવ પત્રક		દુકાન 2 - ભાવ પત્રક	
પુસ્તકનું નામ	કિંમત	પુસ્તકનું નામ	કિંમત
વિજ્ઞાન	₹50	વિજ્ઞાન	સ્પેશ્યલ ઓફર!! આ 5 પુસ્તકોને મેરુ
મણિત	₹80	મણિત	₹299 માં
સિન્દી	₹30	સિન્દી	
અંગ્રેજી	₹70	અંગ્રેજી	
ઈતિહાસ	₹40	ઈતિહાસ	

Calculating discount

સેલ !!! 10% છૂટ

અહીં, આ ટી-શર્ટની કિંમત આપેલી છે અને તેના પર 10 ટકાની છૂટ છે. જો તમારે આ ટી-શર્ટ લેવી હોય, તો તમારે કેટલાં રૂપિયા આપવા પડશે?

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	19.5	18.2	18.7	35.3	17.7	24.4	22.1	15.8	18.2	16.5	4.9	9.3
Age 15	22.6	34.7	29.4	29.6	27.6	28.5	6.0	12.6	9.7	10.9	6.8	8.6
Age 16	27.3	26.0	26.7	34.4	37.2	35.7	13.7	15.4	14.5	23.5	1.5	13.2
Age 14-16	22.9	26.5	24.9	32.7	25.5	28.7	13.2	14.4	13.9	16.2	5.0	9.9

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	34.1	28.2	30.9	48.5	45.2	46.8	25.2	27.1	26.2	20.4	14.7	17.4
Age 15	43.1	33.8	38.4	48.9	51.3	50.1	22.3	21.4	21.8	19.6	8.2	13.8
Age 16	36.5	36.3	36.4	36.4	39.6	38.0	13.3	24.5	18.8	17.0	11.5	14.3
Age 14-16	37.7	32.2	34.9	44.9	45.5	45.2	20.7	24.6	22.7	19.1	11.8	15.4



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)	66	67	82	105
Upper primary schools (Std I-VII/VIII)	557	653	562	539
Total schools visited	623	720	644	644

**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)	87.4	85.5	89.4	89.1
% Teachers present (Average)	94.7	94.1	91.6	89.1
Upper primary schools (Std I-VII/VIII)	2010	2014	2016	2018
% Enrolled children present (Average)	84.4	82.5	83.0	84.9
% Teachers present (Average)	95.9	93.5	90.8	92.9

**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	56.1	77.3	89.0	71.4
% Schools where Std IV children were observed sitting with one or more other classes	51.7	69.4	88.5	70.6
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	33.6	45.2	47.4	46.9
% Schools where Std IV children were observed sitting with one or more other classes	30.7	37.5	43.6	40.4

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	88.3	90.0	91.9	90.4
	Mid-day meal served in school on day of visit	96.2	94.2	95.4	94.1
Drinking water	No facility for drinking water	14.2	8.5	9.7	6.4
	Facility but no drinking water available	6.5	4.5	5.8	5.6
	Drinking water available	79.4	87.0	84.6	88.0
Total		100	100	100	100
Toilet	No toilet facility	2.6	1.7	0.3	0.2
	Facility but toilet not useable	32.6	13.5	16.8	8.5
	Toilet useable	64.8	84.8	82.9	91.3
	Total	100	100	100	100
Girls' toilet	No separate provision for girls' toilet	12.7	5.8	2.4	2.6
	Separate provision but locked	20.7	5.6	6.5	1.1
	Separate provision, unlocked but not useable	16.7	7.2	10.0	8.8
	Separate provision, unlocked and useable	49.9	81.4	81.1	87.4
	Total	100	100	100	100
Library	No library	16.2	7.7	12.2	14.7
	Library but no books being used by children on day of visit	35.2	54.0	45.5	44.8
	Library books being used by children on day of visit	48.5	38.3	42.3	40.5
	Total	100	100	100	100
Electricity	Electricity connection			99.2	99.4
	Of schools with electricity connection, % schools with electricity available on day of visit			94.0	96.5
Computer	No computer available for children to use	47.8	18.7	24.8	33.1
	Available but not being used by children on day of visit	24.3	52.8	43.7	42.9
	Computer being used by children on day of visit	27.9	28.5	31.5	24.0
	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)	33.3	43.3	68.4	52.4
Upper primary schools (Std I-VII/VIII)	1.3	2.8	4.0	5.0



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	68.4	72.6	72.0
	No physical education period but dedicated time allotted	23.2	23.7	23.6
	No physical education period and no dedicated time allotted	8.4	3.7	4.5
	Total	100	100	100
Physical education teacher	Separate physical education teacher	34.7	28.8	29.7
	Other physical education teacher	51.0	56.9	56.0
	No physical education teacher	14.3	14.3	14.3
	Total	100	100	100
Playground	Playground inside the school premises	78.8	83.0	82.4
	Playground outside the school premises	6.1	8.9	8.4
	No accessible playground	15.2	8.1	9.2
	Total	100	100	100
Availability of any sports equipment		63.6	84.4	81.0
Supervised physical education activity observed on day of visit		48.5	44.0	44.7



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

	2014	2016	2018
% Schools which reported having an SMC	99.2	98.9	98.9
Of all schools that have an SMC, % schools that had the last SMC meeting			
Before July	8.0	8.1	2.5
Between July and September	88.9	72.6	96.7
After September	3.1	19.4	0.8

