



# Telangana

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**

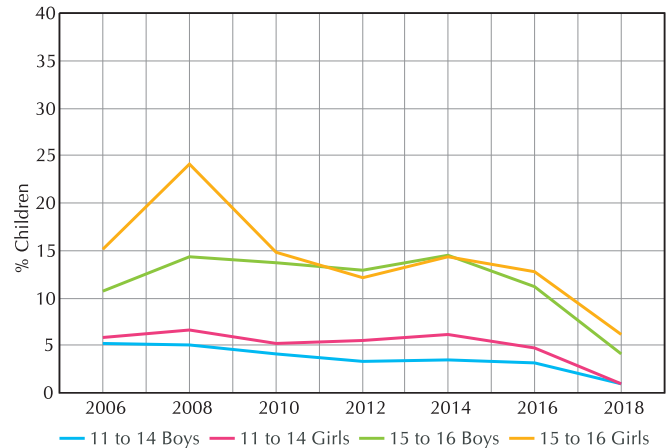
Age group	Govt	Pvt	Other	Not in school	Total
Age 6-14: All	57.4	41.8	0.2	0.6	100
Age 7-16: All	58.4	40.1	0.2	1.4	100
Age 7-10: All	49.8	49.8	0.2	0.3	100
Age 7-10: Boys	46.3	53.3	0.2	0.3	100
Age 7-10: Girls	53.2	46.4	0.2	0.2	100
Age 11-14: All	65.5	33.3	0.2	1.0	100
Age 11-14: Boys	61.3	37.7	0.0	1.0	100
Age 11-14: Girls	69.9	28.7	0.5	0.9	100
Age 15-16: All	63.5	31.3	0.2	5.1	100
Age 15-16: Boys	64.7	30.8	0.4	4.1	100
Age 15-16: Girls	62.0	31.8	0.0	6.2	100

'Other' includes children going to Madarsa or EGS.

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

**Chart 1: Trends over time**

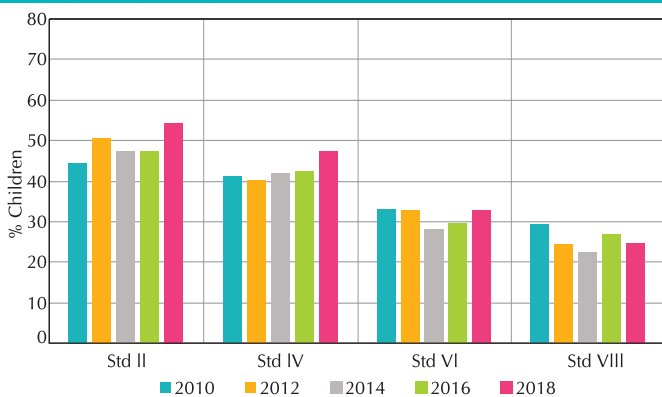
% Children not enrolled in school by age group and gender 2006, 2008, 2010, 2012, 2014, 2016 and 2018



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 15.1% in 2006, 12.1% in 2012, and 6.2% in 2018.

**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 54.4% as compared to 24.7% in Std VIII.

**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	22.0	35.3	30.6	9.2				3.0				100		
II	5.0	10.9	39.4	30.0	10.3				4.4				100	
III	2.8	10.5	41.2	30.6	10.4				4.5				100	
IV	2.2	2.2	12.2	43.1	31.0	8.3				3.3				100
V	3.8	3.8	11.2	44.5	26.7	11.3				2.5				100
VI	2.7	2.7	12.3	42.8	31.4	8.4				2.3				100
VII	2.3	2.3	11.0	49.7	24.5	9.6	3.0				100			
VIII	1.8	1.8	13.6	50.4	23.2	9.5	1.6				100			

This table shows the age distribution for each grade. For example, of all children in Std III, 41.2% children are 8 years old but there are also 10.5% who are 7, 30.6% who are 9, 10.4% who are 10, and 4.5% 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	69.2	1.7	12.4	0.2	3.1	0.0	13.5	100
Age 4	48.3	3.6	37.9	4.4	3.3	0.0	2.5	100
Age 5	20.2	4.2	51.9	15.7	7.7	0.0	0.4	100
Age 6	2.8	2.8	38.3	32.5	23.3	0.0	0.3	100
Age 7	0.9	0.2	12.2	41.9	44.4	0.0	0.4	100
Age 8	0.4	0.0	1.6	47.3	50.2	0.0	0.4	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	24.2	38.7	30.8	3.9	2.5	100
II	11.3	26.4	41.9	11.9	8.7	100
III	6.5	17.6	35.2	22.8	18.0	100
IV	4.3	9.0	24.7	27.8	34.2	100
V	2.1	6.5	18.9	28.8	43.7	100
VI	1.4	6.0	16.3	25.4	50.9	100
VII	1.8	2.2	14.5	17.0	64.4	100
VIII	0.5	3.4	9.6	17.5	69.0	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, 6.5% cannot even read letters, 17.6% can read letters but not words or higher, 35.2% can read words but not Std I level text or higher, 22.8% can read Std I level text but not Std II level text, and 18% can read Std II level text. For each grade, the total of these exclusive categories is 100%.

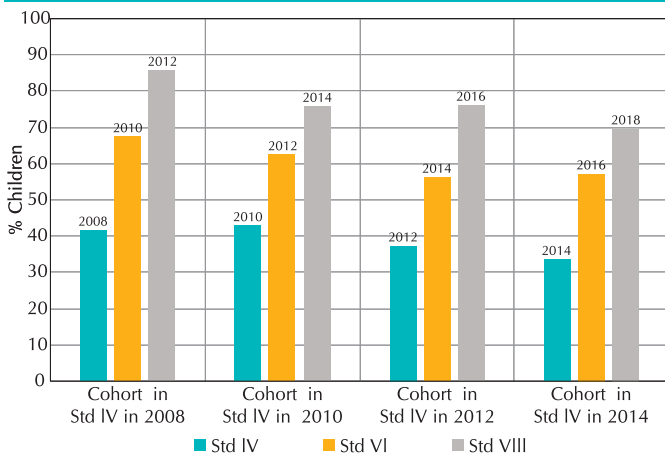
**Table 5: Trends over time**  
Reading in Std III by school type  
2012, 2014, 2016 and 2018

Year	% Children in Std III who can read Std II level text		
	Govt	Pvt	Govt & Pvt*
2012	18.2	25.9	21.6
2014	12.2	30.6	19.9
2016	14.9	22.5	18.6
2018	12.6	24.4	18.1

\* 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 41.8% and in Std VI (in 2010) was 67.4%. When the cohort reached Std VIII in 2012, this figure was 85.6%. The progress of each of these cohorts can be understood in the same way.

## Reading Tool (Telugu)

Std II level text	Std I level text
<p>రమ, రాము అన్నా చెల్లెళ్ళు. రమ అంటే రాముకు ఎంతో ఇష్టం. ఒకరోజు రమ రాముతో ఆడుకుంటున్నది. రమ ఆడుతూ దోమల మందు చక్కం చూసింది. రమ చక్కంతో ఆడుకోవాలని అనుకుంది. చక్కం కావాలని అన్నయ్యను అడిగింది. అన్నయ్య ఇప్పలేదని ఏడ్చింది. రాము కొంచెం నేపు ఆలోచించాడు. ఆతనికీ ఒక ఉపాయం తప్పింది. వెంటనే లోపలికి వెళ్లి అమ్మను అడిగి ఒక చక్కెరం తెచ్చి చెల్లెలి ఇచ్చాడు. చక్కెరం కూడా దోమల మందు చక్కంలా గుండ్రంగా ఉంది. రమ దానిని తీసుకొని ఏడుపు ఆపింది. రమ, రాము కలిసి ఆడుకున్నారు.</p>	<p>మంకెన పూలు ఎరువు నేరేడు మందు నలువు మల్లె పూలు తెలువు మామిడి మందు పసువు.</p>
<p>న ఈ వ థ పా థ భ య ద పి వ</p>	<p>అట పూలు బాబు దండ కూర గారి గంట కంటి తడి గద</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	53.3	58.3	54.9	83.6	92.2	85.6
2014	53.7	55.7	54.5	73.9	82.2	75.9
2016	40.0	59.1	47.1	71.7	86.6	76.1
2018	41.3	47.0	43.6	63.1	88.9	69.5

\* 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	20.0	29.8	46.0	3.1	1.1	100
II	9.2	14.7	60.5	13.6	2.0	100
III	4.9	9.4	51.5	31.2	3.2	100
IV	3.3	6.2	37.5	36.2	16.8	100
V	1.8	3.9	28.5	38.8	27.1	100
VI	1.6	0.7	30.6	32.6	34.6	100
VII	2.7	1.3	20.0	33.4	42.6	100
VIII	1.1	1.1	16.0	33.4	48.3	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, 4.9% cannot even recognize numbers 1-9, 9.4% can recognize numbers up to 9 but cannot recognize numbers up to 99 or higher, 51.5% can recognize numbers up to 99 but cannot do subtraction, 31.2% can do subtraction but cannot do division, and 3.2% can do division. For each grade, the total of these exclusive categories is 100%.

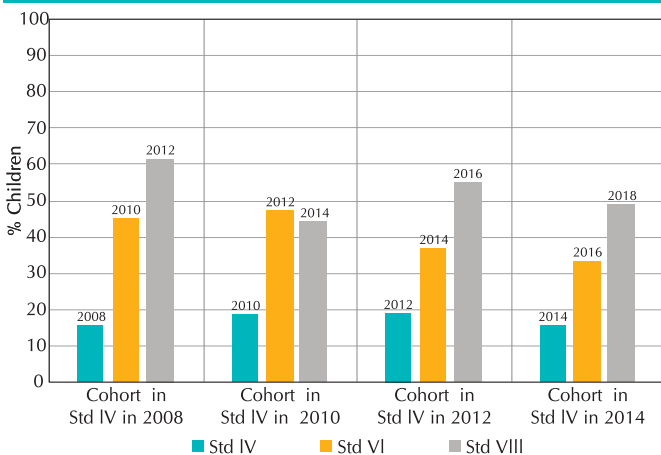
**Table 8: Trends over time**  
 Arithmetic in Std III by school type 2012, 2014, 2016 and 2018

Year	% Children in Std III who can do at least subtraction		
	Govt	Pvt	Govt & Pvt*
2012	35.1	56.7	44.6
2014	25.6	47.2	34.7
2016	30.7	54.6	42.2
2018	30.6	38.9	34.5

\* 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 15.7% and in Std VI (in 2010) was 45%. When the cohort reached Std VIII in 2012, this figure was 61.6%. The progress of each of these cohorts can be understood in the same way.

## Arithmetic Tool (Telugu)

అంకం గుర్తించండి 1-9	పద్యాంక గుర్తించండి 10-99	కేవల	అధికం
2 7	76 58	74 63 - 57 - 27	8) 993
5 3	48 99	47 84 - 29 - 35	6) 758
9 8	34 61	41 32 - 15 - 17	7) 865
4 1	46 25	31 68 - 18 - 49	4) 658

పట్టా 6 అంకం 4 అంకం వరకు గుర్తించండి. పట్టా 6 పద్యాంక 4 పద్యాంక వరకు గుర్తించండి. పట్టా 1 కేవలం వరకు చేయండి. పట్టా 1 కేవలం వరకు చేయండి.

**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	29.2	46.0	34.7	56.1	79.6	61.6
2014	29.5	39.7	33.7	43.7	46.1	44.3
2016	26.0	37.6	30.4	51.4	63.2	54.9
2018	26.7	28.0	27.3	43.0	65.4	48.7

\* 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	21.8	30.1	26.2
Age 11-13	54.4	64.0	59.4
Age 14-16	75.4	83.0	79.3

**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	40.3	46.3	43.5	11.3	13.4	12.4
Age 11-13	69.5	75.6	72.6	34.1	41.3	37.8
Age 14-16	81.6	83.7	82.7	55.9	57.8	56.9

## 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**

ఈ బాలిక రాత్రి ఈ సమయానికి ప్రదుకుంటుంది మరియు ఉదయం ఈ సమయానికి నిద్ర లేస్తుంది. అయితే ఈ బాలిక మొత్తం ఎన్ని గంటలు నిద్రపోయింది?

**Applying unitary method**

15 రీటర్ల నీటిని తప్పి చేయడానికి 3 మాత్రలు అవసరమైతే, 40 రీటర్ల నీటిని తప్పి చేయడానికి ఎన్ని మాత్రలు అవసరమవుతాయి?

**Financial decision making**

ఈ 5 వస్తువులు బజారులో ఈ 2 దుకాణాలలో, అందుబాటులో ఉన్నాయి. మీరు ఈ 5 వస్తువులు కొనాలనుకుంటున్నారు. అయితే మీరు తక్కువలో తక్కువ ఎంత డబ్బులు చెల్లించి ఈ వస్తువులు కొంటారు?

దుకాణం 1 - ధరల పట్టిక		దుకాణం 2 - ధరల పట్టిక	
వస్తువు పేరు	ధర	వస్తువు పేరు	ధర
మిల్లిన బాస్తం	రూ. 400	మిల్లిన బాస్తం	₹ 80
గజీతం	₹ 299	గజీతం	₹ 30
పాపి	₹ 299	పాపి	₹ 70
అంబు	₹ 299	అంబు	₹ 60
చరిత్ర	₹ 299	చరిత్ర	₹ 40

**Calculating discount**

మీరు ఈ టీవర్షు ధర మరియు ఈ ధరపై 10 శాతం తగ్గింపు ఇవ్వబడినది. అయితే, మీరు ఈ టీవర్షు కొనాలనుకుంటే ఎంత డబ్బును ఖర్చు చేయాలి?

**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	34.4	40.4	37.8	28.2	46.9	38.8	10.9	18.2	15.1	7.7	13.7	11.1
Age 15	37.5	47.0	41.1	25.1	39.7	30.6	18.2	16.8	17.7	20.8	16.8	19.3
Age 16	35.4	21.6	27.1	36.1	36.2	36.2	0.0	25.8	15.6	16.8	16.1	16.4
Age 14-16	35.8	34.5	35.1	29.3	41.3	35.6	10.6	20.9	16.0	15.1	15.3	15.2

**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	47.3	46.2	46.7	52.8	41.0	46.2	24.1	17.6	20.4	23.2	17.9	20.2
Age 15	40.7	42.2	41.5	41.2	36.7	38.8	15.0	22.0	18.8	27.7	21.3	24.2
Age 16	62.3	50.1	56.3	52.2	40.9	46.7	34.3	32.7	33.5	21.2	19.8	20.5
Age 14-16	49.8	45.8	47.7	48.7	39.5	43.8	24.2	23.2	23.7	24.1	19.6	21.7



## 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)	200	203	210	196
Upper primary schools (Std I-VII/VIII)	58	61	55	63
Total schools visited	258	264	265	259

**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)	67.9	70.4	75.4	74.9
% Teachers present (Average)	82.3	77.2	82.1	84.7

**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	57.3	57.3	52.1	60.5
% Schools where Std IV children were observed sitting with one or more other classes	48.5	46.3	43.5	49.0

## 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	71.0	76.1	80.8	86.4
	Mid-day meal served in school on day of visit	98.4	99.6	98.9	95.8
Drinking water	No facility for drinking water	22.8	16.2	16.2	20.4
	Facility but no drinking water available	12.4	22.6	27.2	22.4
	Drinking water available	64.8	61.2	56.6	57.2
Total		100	100	100	100
Toilet	No toilet facility	23.4	13.0	1.9	3.5
	Facility but toilet not useable	38.1	22.7	23.4	19.5
	Toilet useable	38.6	64.3	74.7	77.0
	Total	100	100	100	100
Girls' toilet	No separate provision for girls' toilet	53.1	28.4	15.1	8.7
	Separate provision but locked	9.2	8.7	12.5	8.7
	Separate provision, unlocked but not useable	12.3	8.7	8.3	10.7
	Separate provision, unlocked and useable	25.4	54.2	64.2	71.9
	Total	100	100	100	100
Library	No library	8.0	2.8	13.4	22.4
	Library but no books being used by children on day of visit	14.4	31.6	28.0	22.0
	Library books being used by children on day of visit	77.6	65.6	58.6	55.7
	Total	100	100	100	100
Electricity	Electricity connection			89.1	86.4
	Of schools with electricity connection, % schools with electricity available on day of visit			81.3	86.9
Computer	No computer available for children to use	90.7	86.5	87.8	89.5
	Available but not being used by children on day of visit	3.0	7.9	7.6	7.4
	Computer being used by children on day of visit	6.2	5.6	4.6	3.1
	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
All schools (Std I-IV/V and Std I-VII/VIII)	17.2	19.7	26.8	34.8

**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	62.7
	No physical education period but dedicated time allotted	21.0
	No physical education period and no dedicated time allotted	16.3
	Total	100
Physical education teacher	Separate physical education teacher	10.9
	Other physical education teacher	49.2
	No physical education teacher	39.9
	Total	100
Playground	Playground inside the school premises	77.0
	Playground outside the school premises	6.2
	No accessible playground	16.7
	Total	100
Availability of any sports equipment		59.1
Supervised physical education activity observed on day of visit		36.1

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

	2014	2016	2018
% Schools which reported having an SMC	97.3	98.1	97.2
Of all schools that have an SMC, % schools that had the last SMC meeting			
Before July	4.4	1.2	2.1
Between July and September	46.3	55.6	44.6
After September	49.4	43.2	53.3

