

Quality, Consistency & Coverage of U-DISE + 2018-19 Data

Number of schools, number of teachers and enrolment in 2017-18 and 2018-19 have been compared and analysed as a first step to assess quality, consistency and coverage of U-DISE +, 2018-19 data. State and district wise data has been obtained from report number 6- schools management wise, report number 31- enrolment by management and report number 37- teachers management wise, which has been accessed from <http://dashboard.udiseplus.gov.in/#!/reports>. Reports are not available by level of education hence analysis has been done for all levels (Primary to Higher Secondary level) together. There is a need to further examine in the districts where there is significant inconsistency in number of schools, number of teachers and enrolment. Districts which were bifurcated during 2017-18 and 2018-19 were not included in the analysis.

Comparison of number of schools covered in 2017-18 and 2018-19

Comparison of number of schools covered in 2017-18 and 2018-19 by management at the national level is given below:

	Govt.	Aided	Private	Others	Total
Number of schools ,2017-18	10,94,536	84,422	3,22,242	57,740	15,58,940
Number of schools ,2018-19	10,83,678	84,614	3,25,760	55,954	15,50,006
Absolute change in terms of number (2017-18 to 2018-19)	-10,858	192	3,518	-1,786	-8,934
Absolute change in terms of percentage (2017-18 to 2018-19)	-1.0	0.2	1.1	-3.1	-0.6

The total number of schools covered under the U-DISE **decreased** from 15,58,940 in 2017-18 to 15,50,006 in 2018-19 at the national level; thus, showing decrease of **8,934 schools**, which is 0.6 percent of total schools in 2017-18. The number of schools increased in private and aided management, while number of schools decreased in Government and others management at the national level. State and district wise comparison of number of schools covered in 2017-18 and 2018-19 is available on **Annex-1**.

Analysis of comparison of number of schools covered in 2017-18 and 2018-19 shows that number of schools **increased in 13 state/UTs** while it **decreased in 24 state/UTs**. 1,157 schools increased in Karnataka and 678 schools increased in Tamil Nadu in 2018-19 as compared to 2017-18, while 3,754 schools in Assam, 3,622 schools in Jharkhand, 2,051 schools in Uttar Pradesh and 714 schools decreased in Uttarakhand. Mainly number of government schools decreased in Assam, Jharkhand and Uttarakhand, while number of private schools decreased in Uttar Pradesh. If we analyse this change in terms of percentage then it shows that **more than 2% schools decreased** in seven states namely, Arunachal Pradesh, Assam, Daman and Diu, Goa, Jharkhand, Nagaland and Uttarakhand.

More than 100 schools **increased in 16 districts** of Uttar Pradesh such as Varanasi (247), Aligarh (120), Kushinagar (115) and Kanshiram Nagar (109) in 2018-19 as compared to 2017-18, while more than 100 **schools decreased in 11 districts** of Uttar Pradesh such as **Lucknow (1,389)**, Rampur (385), Saharanpur (277), Mathura (241), Kannauj (173), Jhansi (166), Sitapur (157), Faizabad (120), Kanpur Nagar (106), Baghpat (104) and Ghazipur (104) and it is due to coverage of less number of private schools. **In Lucknow district, 3,131 private schools were covered in 2017-18, while only 1,736 schools were covered in 2018-19.**

If we analyse this change in terms of percentage then it shows that more than 2% schools **increased in 61 districts**, while more than 2% schools **decreased in 136 districts** in 2018-19 as compared to 2017-18. **More than 10% schools decreased in 15 districts**, while **more than 25% schools decreased in Bijapur district in Chhattisgarh state (1,103 in 2017-18 to 822 in 2018-19) and Lucknow in Uttar Pradesh state (5,416 in 2017-18 to 4,027 in 2018-19).**

Comparison of number of teachers in 2017-18 and 2018-19

Comparison of number of teachers in 2017-18 and 2018-19 by management at the national level is given below:

	Govt.	Aided	Private	Others	Total
Number of teachers ,2017-18	49,79,79 5	8,40,72 8	30,72,13 3	3,63,44 5	92,56,10 1
Number of teachers ,2018-19	49,45,82 7	8,15,21 2	33,00,44 9	3,55,40 7	94,16,89 5
Absolute change in terms of number (2017-18 to 2018-19)	-33,968	-25,516	2,28,316	-8,038	1,60,794
Absolute change in terms of percentage (2017-18 to 2018-19)	-0.7	-3.0	7.4	-2.2	1.7

The total number of teachers **increased** from 92,56,101 in 2017-18 to 94,16,895 in 2018-19 at the national level; thus, showing **1,60,794 teachers** increased, which is **1.7 percent** of total teachers in 2017-18. The number of teachers increased in private management, while number of teachers decreased in Government, aided and others management at the national level. State and district wise comparison of number of teachers in 2017-18 and 2018-19 is available on **Annex-2**.

Analysis of comparison of number of teachers in 2017-18 and 2018-19 shows that number of teachers **increased in 16 state/UTs** while it **decreased in 15 state/UTs**. Number of teachers **increased more than 40,000 in three states** namely, Uttar Pradesh (84,110), Rajasthan (60,969) and Karnataka (43,627) in 2018-19 as compared to 2017-18, while **more than 10,000 teachers decreased in five states** namely, Madhya Pradesh (31,335), Bihar (15,013), Kerala (14,525), Tamil Nadu (12,751) and Odisha (12,748). If we analyse this change in terms of percentage then it shows that more than 2% teachers increased in **9 states** and more than 2% decreased in **11 states**. More than 10% teachers increased in Delhi (1,39,258 to 1,55,668) and Karnataka (4,22,146 to 4,65,773), while more than 5% teachers decreased in five states namely, Daman & Diu, Kerala (2,71,755 to 2,57,230), Lakshadweep, Madhya Pradesh (6,10,573 to 5,79,238) and Sikkim.

More than 1,000 teachers **increased in 115 districts**, while more than 1,000 teachers **decreased in 49 districts**. **More than 2,000 teachers decreased in seven districts** namely, Purba Champaran (Bihar), Bhopal, Indore, Sehore, Vidisha (MP), Ballia and Pratapgarh (UP). **In Ballia district (UP), 23,802 teachers were reported in 2017-18, while only 18,217 teachers were reported in 2018-19.**

If we analyse this change in terms of percentage then it shows that more than 10% teachers **increased in 78 districts**, while more than 10% schools **decreased in 26 districts** in 2018-19 as compared to 2017-18. **More than 15% teachers decreased in 8 districts** namely, Diu (Daman and Diu, 575 to 416), Ballia (UP, 23,802 to 18,217), Pithoragarh (Uttarakhand, 8569 to 6,791), Sehore (MP, 12,538 to 10,207), Panna (MP, 10,494 to 8,768), Hoshangabad (MP, 11,365 to 9,533), Khammam (Telangana, 11,107 to 9,351) and Kamle (Arunachal Pradesh, 486 to 412) and it is due to decrease number of teachers in all type of management schools. **More than 25% teachers increased in 8 districts** namely, Gautam Buddha Nagar (UP, 10,009 to 17,082), Lucknow (UP, 23,262 to 34,298), Gurugram (Haryana, 13,574 to 19,345), Medchal (Telangana, 15,037 to 21,013), Ghaziabad (UP, 11,068 to 14,197), Baghpat (UP, 5,349 to 6,815), Faridabad (Haryana, 15,232 to 19,300) and Agra (UP, 20,402 to 25,601) and this change is due to increase number of teachers in private schools.

Comparison of enrolment (Grade 1 to 12) in 2017-18 and 2018-19

It was good to compare enrolment by level of education but due to unavailability of data enrolment of all grades compared. Comparison of enrolment (Grade 1 to 12) in 2017-18 and 2018-19 by management at the national level is given below:

	Govt.	Aided	Private	Others	Total
Enrolment ,2017-18	13,17,55,633	2,79,88,914	8,33,08,685	79,17,112	25,09,70,344
Enrolment ,2018-19	12,84,97,792	2,75,25,717	8,39,50,592	78,79,587	24,78,53,688
Absolute change in terms of number (2017-18 to 2018-19)	-32,57,841	-4,63,197	6,41,907	-37,525	-31,16,656
Absolute change in terms of percentage (2017-18 to 2018-19)	-2.5	-1.7	0.8	-0.5	-1.2

Enrolment **increased** from 25.09 crore in 2017-18 to 24.79 crore in 2018-19 at the national level; thus, showing decrease of 31,16,656 students, which is 1.2 percent of total enrolment in 2017-18. Enrolment increased in private management, while enrolment decreased in Government, aided and others management at the national level. State and district wise comparison of enrolment in 2017-18 and 2018-19 is available on **Annex-3**.

Analysis of comparison of enrolment in 2017-18 and 2018-19 shows that enrolment **increased in 11 state/UTs** while it **decreased in 26 state/UTs**. Enrolment **increased more than 1,00,000 in four states** namely, Odisha (3,01,778), Karnataka (2,24,965), Assam (1,85,671) and Andhra Pradesh(1,70,857) in 2018-19 as compared to 2017-18 and it is due to increase enrolment in private managed schools, while **more than 2,00,000 enrolment decreased in four states** namely Bihar (12,57,939), Uttar Pradesh (12,19,168), Madhya Pradesh (4,03,533) and Maharashtra (2,04,545) and it is due to decrease enrolment in government managed schools in Bihar, Madhya Pradesh and Maharashtra and decrease in enrolment in private managed schools in Uttar Pradesh.

If we analyse this change in terms of percentage then it shows that **more than 2% enrolment increased in 6 state/UTs and more than 2% decreased in 10 states. More than 3% enrolment increased in Odisha** (78.00 lakh to 81.02 lakh) and it is due to increase enrolment in private schools, while **more than 4% enrolment decreased in four states** namely, Arunachal Pradesh (8.1%), Sikkim (6.5%), Bihar (5.0%) and Nagaland (4.2%) and it is due decrease enrolment in government schools.

More than 20,000 enrolment **increased in 34 districts**, while more than 50,000 enrolment **decreased in 23 districts. In Lucknow district (UP), enrolment was 14,92,814 in 2017-18, while enrolment is only 9,29,747 in 2018-19.** Enrolment decreased from 7.01 lakh to 5.18 lakh in Mathura (UP) and 6.75 lakh to 5.73 lakh in Faizabad (UP) district.

If we analyse this change in terms of percentage then it shows that more than 5% enrolment **increased in 36 districts**, while more than 10% schools **decreased in 31 districts** in 2018-19 as compared to 2017-18 and these districts are from Bihar, Uttar Pradesh and NE states. **More than 20% teachers decreased in 3 districts** namely, Lucknow (UP, 37.8% (14.92 lakh to 9.29 lakh), Mathura (UP, 26.1% (7.01 lakh to 5.01 and Kamle (Arunachal Pradesh, 37.4%, 6645 to 4160) and it is due to decrease enrolment in private schools.

*The analysis was prepared by one of colleagues who is an active data user.