

# National Center for Education Statistics: Engagement for Data Products

*Federal Committee on Statistical Methodology Research and Policy Conference  
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National Center for Education Statistics  
Institute of Education Sciences  
U.S. Department of Education

- **Direction from the Committee on National Statistics (CNSTAT) at the National Academies of Sciences, Engineering, and Medicine (NASEM)**
- **Actions to utilize technology to strengthen engagement**
- **Tools to move data into users' hands faster**

# Engagement and Innovation

# CNSTAT

- Purpose to obtain advice outside of NCES control for future directions
- 15 recommendations in 2022
  - Establish external consulting body with wide range of stakeholders
  - Improve engagement with data users and gather ongoing feedback about needs

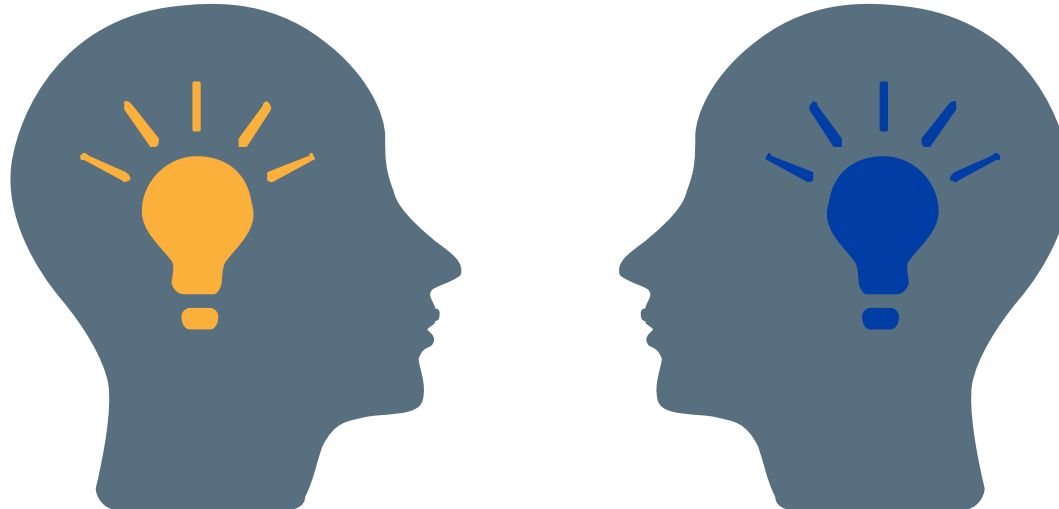


**A Vision and Roadmap for**  
**EDUCATION**  
**STATISTICS**

# NCES Standing Committee



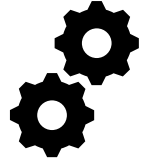
First full meeting  
in November or  
December



Provides NCES regular external advice from wide range of stakeholders

- What to collect and study
- Methods for collecting/analyzing data
- **Disseminating data and information**

# Technology to Improve Access to and Track Use of Data Products



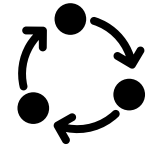
**Building Site  
for Users to  
Navigate to  
Needed  
Online Tools**



**AI Tool to  
Better Search  
Products**



**Integrating DOI  
into Products to  
Better  
Understand Use**



**Google  
Analytics -  
Better  
Understand  
Product  
Access**

# Improved On-line Tools

- NCES has a range of tools for different audiences
- Currently improving tools to help families find K-12 schools to fit different needs
- Tested ways to display information so it is easier to digest
- Added elements based on user feedback including geographic parameters to find schools within a radius of an address
- Focused on new design theories for visual displays
- Building in metrics to new Google Analytics for our updated website overall

# New Collection and Reporting

- At the height of the pandemic, there was tremendous demand from stakeholders for real time information about K-12 schools
- Established a monthly study called the School Pulse Panel in response
- Recruits public K-12 schools once a year and interview them 11 times during the year
- Go from identification of a data need to sharing of information in as little as 8 weeks
- Cannot produce micro files on this time frame so we release data in form of estimates in a new on-line tool that is easy to navigate – there are no case-level files for use

# School Pulse Panel Display

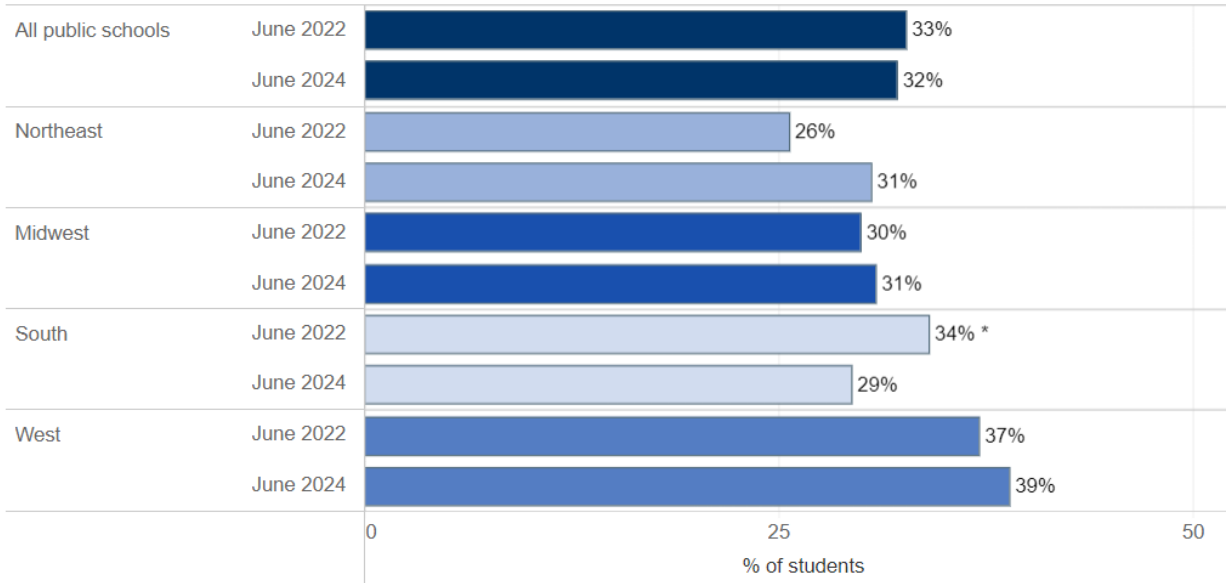
SHOW LEARNING STRATEGIES AND RECOVERY DETAILED CHARTS ▲

## How many students are behind grade level at the end of the school year?

Average percentage of students behind grade level at the end of the 2021-22 and 2023-24 school years by region: June 2022 and June 2024

Select a reporting category

- Region
- School Location
- School Level
- School Size
- Students of Color
- Poverty



NOTE: This question was edited in the 2024 survey. A bridge study was not conducted to assess potential impacts to statistical trend(s). Use caution when comparing estimates from two or more time points.



<https://nces.ed.gov/surveys/spp/results.asp>



# School Pulse Panel Database with Variances

What percentage of students at your school will or have ENDED the current school year behind grade level in at least one academic subject?																								
Most Recent Month	Subgroup	VarName	Respondents	Description	Category	Jun24 Pct	Jun24 SE	Jun24 Flag	Dec23 Pct	Dec23 SE	Dec23 Flag	Dec23 Sig	Oct23 Pct	Oct23 SE	Oct23 Flag	Oct23 Sig	Dec22 Pct	Dec22 SE	Dec22 Flag	Dec22 Sig	Jun22 Pct	Jun22 SE	Jun22 Flag	Jun22 Sig
Jun-24	All public schools	SR2a_CAT	All schools	What percentage of students at your school will or have ENDED the current school year behind grade level in at least one academic subject?	Don't know	19	1.0														21	1.4		
Jun-24	All public schools	SR2a_CAT	All schools	What percentage of students at your school will or have ENDED the current school year behind grade level in at least one academic subject?	0% to 25%	37	1.1														33	1.6		
Jun-24	All public schools	SR2a_CAT	All schools	What percentage of students at your school will or have ENDED the current school year behind grade level in at least one academic subject?	26% to 50%	25	1.1														27	1.5		
Jun-24	All public schools	SR2a_CAT	All schools	What percentage of students at your school will or have ENDED the current school year behind grade level in at least one academic subject?	51% to 75%	14	0.9														12	1.2		
Jun-24	All public schools	SR2a_CAT	All schools	What percentage of students at your school will or have ENDED the current school year behind grade level in at least one academic subject?	76% to 100%	5	0.5														6	0.9		
Jun-24	All public schools	SR2a_CAT	All schools	What percentage of students at your school will or have ENDED the current school year behind grade level in at least one academic subject?	Missing	#	0.1	!													‡	†		
Jun-24	All public schools	SR2a_CAT50	All schools	What percentage of students at your school will or have ENDED the current school year behind grade level in at least one academic subject?	Don't know	19	1.0														21	1.4		
Jun-24	All public schools	SR2a_CAT50	All schools	What percentage of students at your school will or have ENDED the current school year behind grade level in at least one academic subject?	0% to 50%	62	1.0														60	1.7		
Jun-24	All public schools	SR2a_CAT50	All schools	What percentage of students at your school will or have ENDED the current school year behind grade level in at least one academic subject?	51% to 100%	19	0.9														18	1.4		
Jun-24	All public schools	SR2a_CAT50	All schools	What percentage of students at your school will or have ENDED the current school year behind grade level in at least one academic subject?	Missing	#	0.1	!													‡	†		
Jun-24	All public schools	SR2c_1	SR2a_1_TEXT > 0	Students ended current school year behind grade level in English	No students were behind	1	0.3														1	0.5	!	
Jun-24	All public schools	SR2c_1	SR2a_1_TEXT > 0	Students ended current school year behind grade level in English	At least some students were behind	98	0.3														98	0.6		
Jun-24	All public schools	SR2c_1	SR2a_1_TEXT > 0	Students ended current school year behind grade level in English	N/A: subject not off	‡	†														‡	†		
Jun-24	All public schools	SR2c_1	SR2a_1_TEXT > 0	Students ended current school year behind grade level in English	N/A: don't have this	1	0.2	!													‡	†		
Jun-24	All public schools	SR2c_1	SR2a_1_TEXT > 0	Students ended current school year behind grade level in English	Missing	‡	†														‡	†		
Jun-24	All public schools	SR2c_1	SR2a_1_TEXT > 0	Students ended current school year behind grade level in English	Valid Skip	21	1.1														22	1.4		
Jun-24	All public schools	SR2c_2	SR2a_1_TEXT > 0	Students ended current school year behind grade level in Mathematics	No students were behind	#	0.2	!													1	0.4	!	
Jun-24	All public schools	SR2c_2	SR2a_1_TEXT > 0	Students ended current school year behind grade level in Mathematics	At least some students were behind	99	0.3														98	0.5		
Jun-24	All public schools	SR2c_2	SR2a_1_TEXT > 0	Students ended current school year behind grade level in Mathematics	N/A: subject not off	‡	†														‡	†		
Jun-24	All public schools	SR2c_2	SR2a_1_TEXT > 0	Students ended current school year behind grade level in Mathematics	N/A: don't have this	1	0.2	!													‡	†		
Jun-24	All public schools	SR2c_2	SR2a_1_TEXT > 0	Students ended current school year behind grade level in Mathematics	Missing	‡	†														‡	†		
Jun-24	All public schools	SR2c_2	SR2a_1_TEXT > 0	Students ended current school year behind grade level in Mathematics	Valid Skip	21	1.1														22	1.4		
Jun-24	All public schools	SR2c_3	SR2a_1_TEXT > 0	Students ended current school year behind grade level in Science	No students were behind	8	0.7														6	1.1		
Jun-24	All public schools	SR2c_3	SR2a_1_TEXT > 0	Students ended current school year behind grade level in Science	At least some students were behind	80	1.1														83	1.5		
Jun-24	All public schools	SR2c_3	SR2a_1_TEXT > 0	Students ended current school year behind grade level in Science	N/A: subject not off	1	0.3	!													1	0.4	!	
Jun-24	All public schools	SR2c_3	SR2a_1_TEXT > 0	Students ended current school year behind grade level in Science	N/A: don't have this	11	1.0														10	1.3		
Jun-24	All public schools	SR2c_3	SR2a_1_TEXT > 0	Students ended current school year behind grade level in Science	Missing	1	0.3														2	0.4		
Jun-24	All public schools	SR2c_3	SR2a_1_TEXT > 0	Students ended current school year behind grade level in Science	Valid Skip	21	1.1														22	1.4		
Jun-24	All public schools	SR2c_4	SR2a_1_TEXT > 0	Students ended current school year behind grade level in Computer Science	No students were behind	15	1.1														9	1.1		*
Jun-24	All public schools	SR2c_4	SR2a_1_TEXT > 0	Students ended current school year behind grade level in Computer Science	At least some students were behind	14	0.9														21	2		*
Jun-24	All public schools	SR2c_4	SR2a_1_TEXT > 0	Students ended current school year behind grade level in Computer Science	N/A: subject not off	40	1.6														42	2.5		
Jun-24	All public schools	SR2c_4	SR2a_1_TEXT > 0	Students ended current school year behind grade level in Computer Science	N/A: don't have this	31	1.3														28	1.8		
Jun-24	All public schools	SR2c_4	SR2a_1_TEXT > 0	Students ended current school year behind grade level in Computer Science	Missing	3	0.4														4	0.8		
Jun-24	All public schools	SR2c_4	SR2a_1_TEXT > 0	Students ended current school year behind grade level in Computer Science	Valid Skip	21	1.1														22	1.4		
Jun-24	All public schools	SR2c_5	SR2a_1_TEXT > 0	Students ended current school year behind grade level in Foreign Language	No students were behind	12	1.0														8	1.1		*
Jun-24	All public schools	SR2c_5	SR2a_1_TEXT > 0	Students ended current school year behind grade level in Foreign Language	At least some students were behind	16	1.1														21	1.7		*

<https://nces.ed.gov/surveys/spp/results.asp>

**Thank You**