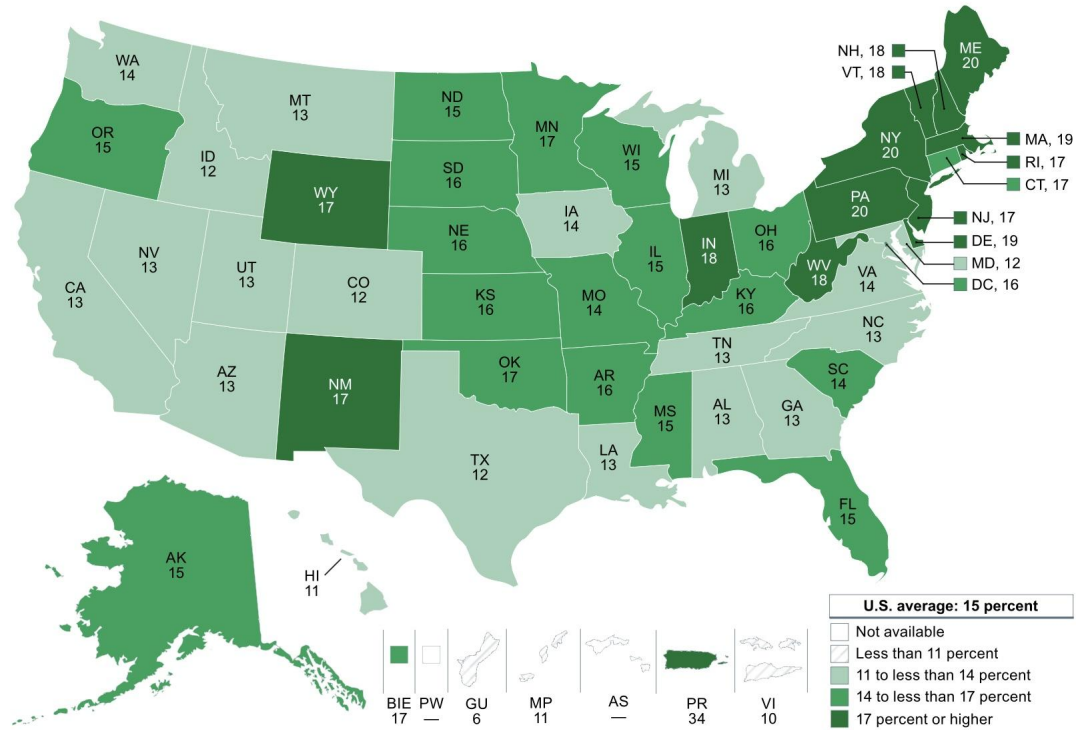


Figure 1. Students ages 3–21 served under the Individuals with Disabilities Education Act (IDEA), as a percentage of public school enrollment, by state and jurisdiction: School year 2021–22



Idea recognizes 13 disability categories

Disability	Example
Specific Learning Disability	Dyslexia
Other Health Impairment	ADHD
Autism Spectrum Disorder	
Emotional Disturbance	Anxiety
Speech or Language Impairment	Stutter
Deafness	
Hearing Impairment	

Idea recognizes 13 disability categories

Disability	Example
Visual Impairment	
Deaf-Blindness	
Orthopedic Impairment	Cerebral Palsy
Intellectual Disability	Down Syndrome
Traumatic Brain Injury	
Multiple Disabilities	



**The most prevalent disability category is
Specific Learning Disability (30%)**

Special education programs and classrooms vary by school



Inequity

- ❑ Being identified with a disability can lead to students being taught differently.
- ❑ More focus on “skills” than critical thinking.
- ❑ Expectation is passing, not mastery.
- ❑ Students removed from the classroom.

Let's do a simulation!

- ❏ Copy along with what I do on the board
- ❏ What did we find? Why would we want to find this information?

Suggestions for Teachers

- ❑ Teach **all** students the **concepts**, not just the “skills”.
 - ❑ Use accurate math terms that are reinforced with visual cues.
- ❑ Expect mastery from all students.
 - ❑ Address **misconceptions**.
- ❑ Provide **multiple explanations** and, if applicable, **multiple methods** for solving problems.
 - ❑ Use visual representations, movement, technology, etc.
- ❑ Provide support that allows students to be **independent**.
 - ❑ **Don't lead** students to answers! Split problems into smaller, more doable parts.

Technology Resource

- ❑ This website has a lot of activities to visualize math concepts.
 - ❑ Fractions: <https://phet.colorado.edu/en/simulations/fractions-intro/teaching-resources>

Sources

Ballin, A., Davidson, E., Caron, J., & Drago, M. (2022). Making math add up for students receiving special education.

INTERNATIONAL JOURNAL of WHOLE SCHOOLING, 18(1), 1–28. <https://files.eric.ed.gov/fulltext/EJ1339890.pdf>

Lee, A. (2022). *IDEA Disability Categories*. Understood.

<https://www.understood.org/en/articles/conditions-covered-under-idea>

Math education practices for students with disabilities and other struggling learners: case studies of six schools in two

Northeast and Islands Region states R E L 2 0 0 8 -N o . 0 5 3. (n.d.).

https://ies.ed.gov/ncee/edlabs/regions/northeast/pdf/REL_2008053a.pdf

National Center for Education Statistics. (2023, May). *Students with disabilities*. Nces.ed.gov.

<https://nces.ed.gov/programs/coe/indicator/cgg/students-with-disabilities>

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