National Center on Assessment and Accountability for Special Education (NCAASE): Update to ASES SCASS

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Note: This version of the NCAASE presentation is annotated. For each study presented, the notes section below the slide provides a reference to a document that describes the study in more detail.

### Presentation Overview

- Brief review of NCAASE
- A sampler of key NCAASE findings to date
- Research underway...Multistate study
- Invitation to dialogue
  - □ Looking ahead, what are the key assessment and accountability issues where research is most needed?

## NCAASE (www.NCAASE.com)

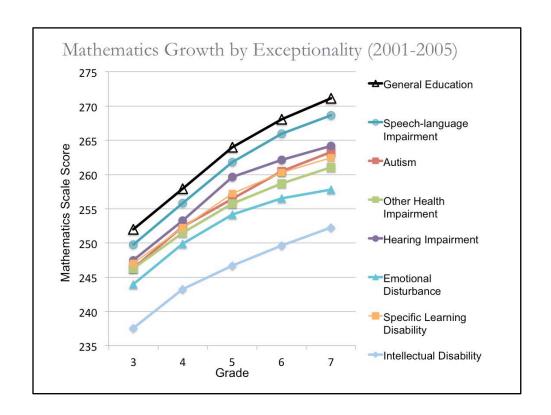
- IES (NCSER) Center funded for five years in 2011 to provide research base to address fundamental questions about achievement growth in students with disabilities (SWDs)
- Multiple Partnerships
  - □ States: OR NC AZ PA
  - Universities and researchers:
    - University of Oregon-Joseph Stevens and Gerald Tindal (CoPIs; Tindal, PD)
    - Arizona State University-Stephen Elliott and Ann Schulte (CoPIs)
- Organizations: CCSSO, NASDE



## Illustrative Findings from Three Areas

- Achievement growth-general and alternate assessments
- Accountability dilemmas and options for SWD
- Instructional practices and their relations to SWDs outcomes

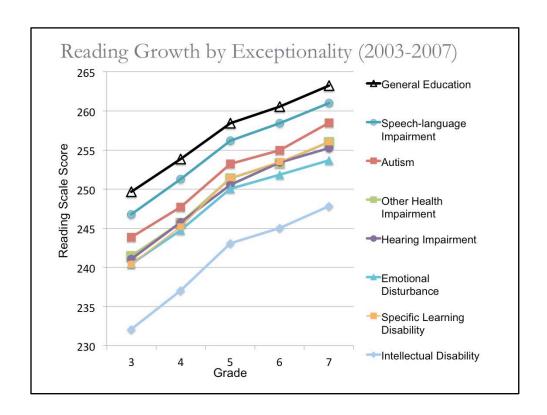




Stevens, J. J., Schulte, A. C., Elliott, S. N., Nese, J. F. T., & Tindal, G. (2014).

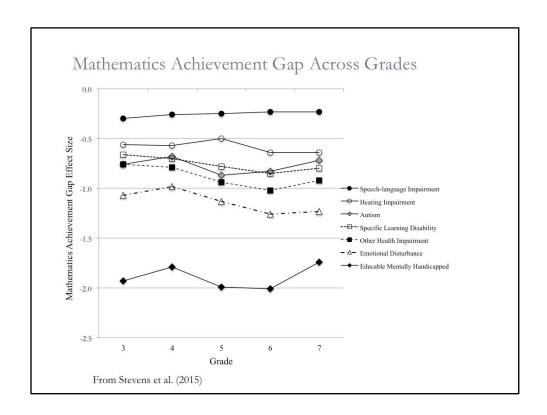
Mathematics achievement growth of students with and without disabilities on a statewide achievement test. *Journal of School Psychology*, *53*, 45-62. doi: 10.1177/0014402914563695

Schulte, A. C., & Stevens, J. J. (2014, September). Academic growth of exceptional children in reading and mathematics: Findings from the National Center on Assessment and Accountability for Special Education (Technical report based on presentation to the Australian Association for Special Education, Manley Beach, AU). Retrieved from the National Center on Assessment and Accountability (NCAASE) website: http://www.ncaase.com/docs/StevensSchulteAASEfinalrev.pdf



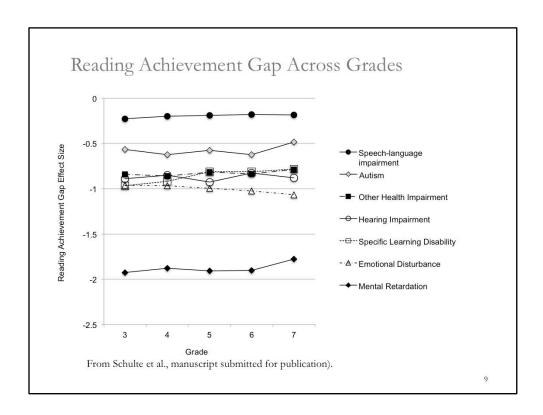
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- Achievement growth for SWDs is curvilinear. Growth is more rapid in the early grades and slows as grade level increases.
- This growth pattern is similar to the one observed for students in general education.
- Grouping all SWDs into one subgroup masks considerable heterogeneity in the third grade starting points and smaller differences in growth among exceptionalities across grades.
- Overall, SWDs grew a bit more rapidly in reading and a bit more slowly in mathematics than students in general education, but given two different samples were used, this finding may not be replicated.



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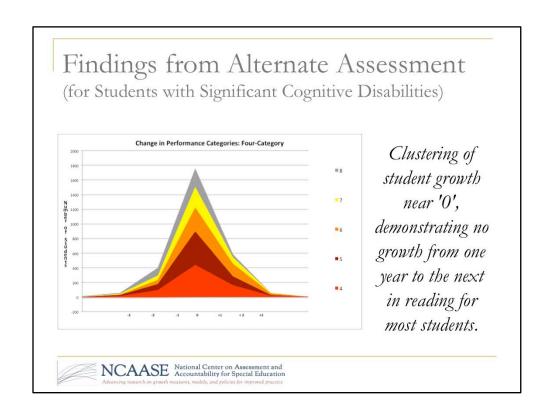
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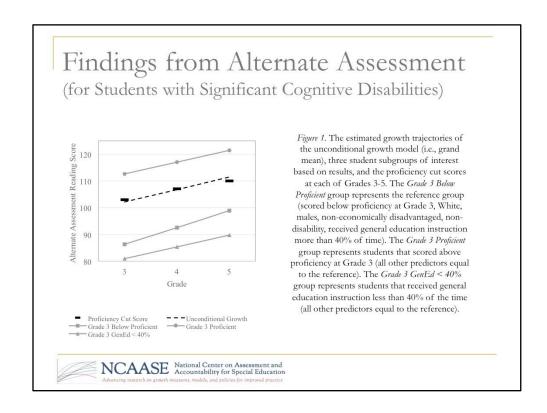
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- Even with longitudinal samples, most achievement gaps for SWDs start out large and do not close appreciably over grades.
- Achievement gaps vary by exceptionality within the SWD subgroup.
- Relative ranking of achievement gaps for SWDs across the two subjects and samples show some consistency. Students with Intellectual Disabilities had the largest achievement gaps, followed by students w/ Emot. Dist. Students with Speech/Lang Imp's consistently had the smallest gaps.





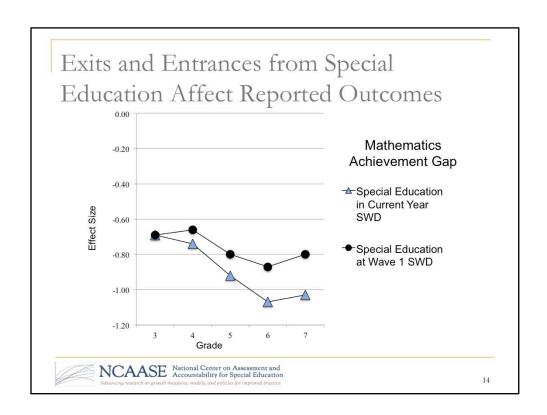
Farley, D., Saven, J. L., & Tindal, G. (2013). *Growth models for students with significant cognitive disabilities.* Retrieved from the National Center on Assessment and Accountability (NCAASE) website: <a href="http://ncaase.com/publications/in-briefs">http://ncaase.com/publications/in-briefs</a>



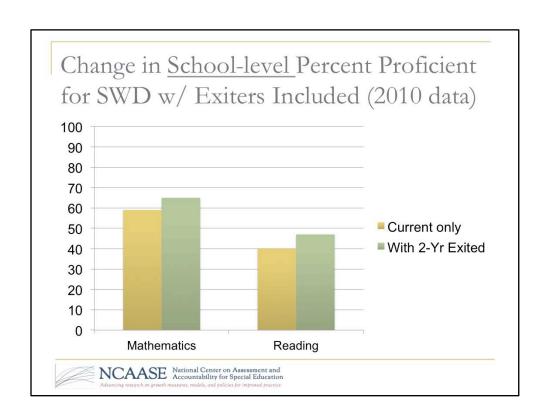
Tindal, G., Nese, J. F. T., Farley, D., Saven, J. L., and Elliot, S. (in press). Documenting reading growth for students with significant cognitive disabilities. *Exceptional Children*.

- Assessing growth on alternate assessments through transition matrices that show changes across categories has the advantage of cataloging "ecologically important" change, but is less sensitive to the typical growth students with significant cognitive disabilities may be showing across grades.
- With this sample and state's alternate assessment, differences among categories of exceptionality for students participating did not predict initial level of achievement or growth.

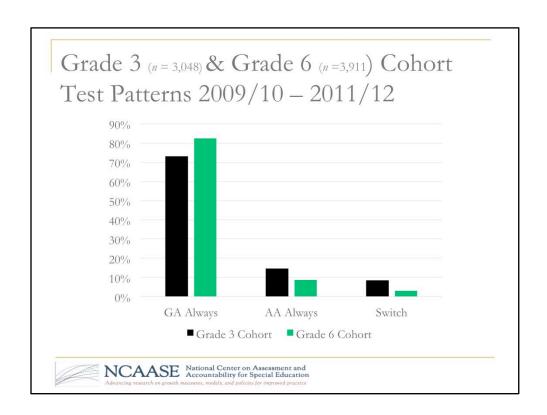




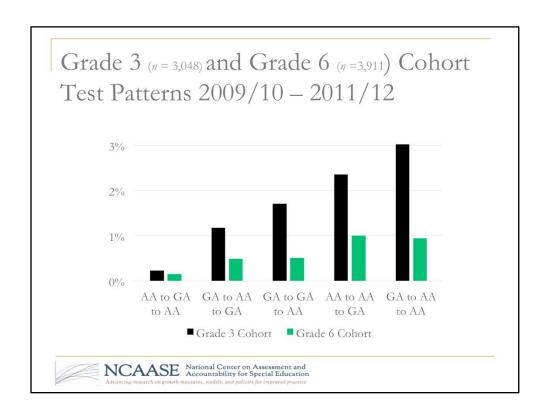
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Murr, N. S. (2013). Examining options for school-level disaggregation of achievement outcomes for students with disabilities under No Child Left Behind. Retrieved from http://catalog.lib.ncsu.edu/record/NCSU3088535



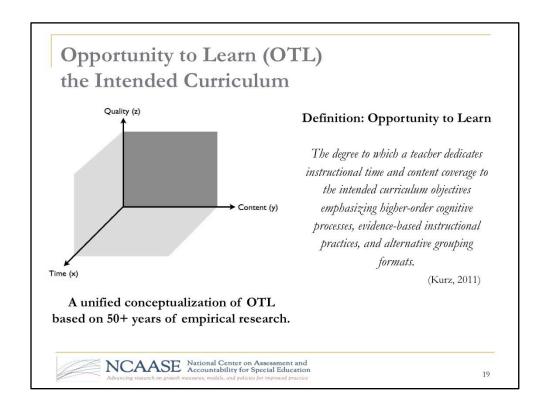
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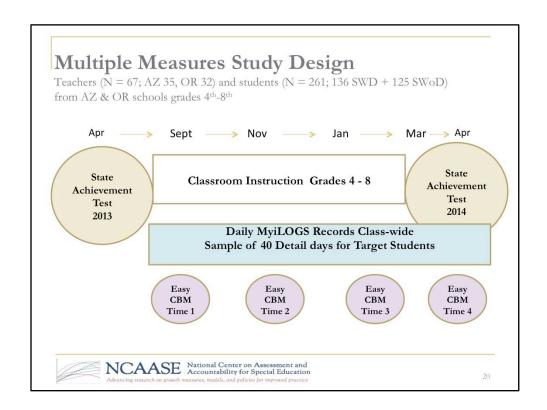
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- SWD is not a static designation, nor is participation in the alternate assessment consistent across grades.
- Both of these facts complicate interpretation of accountability results for SWD.
- Policy or assessment alternatives that recognize this complexity are important in drawing accurate conclusions about this group of students and the schools that serve them.

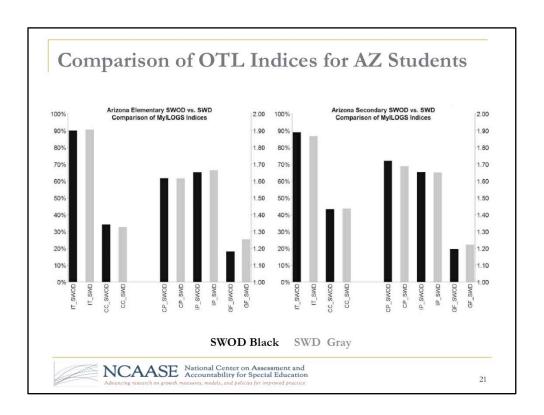




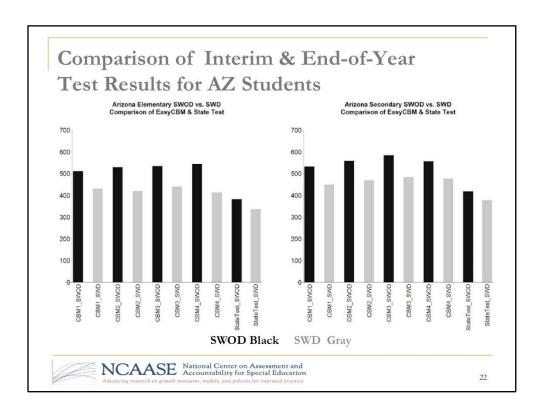
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- Offering students with disabilities the same amount of instruction on the same content standards in the same general education classrooms was found to offer the same historic results—large and persistent gaps in achievement -- in comparison to students without disabilities.
- Students with disabilities will need more instructional time on the intended curriculum, and perhaps more differentiated instruction to increase their rate of achievement enough to close gaps that currently exist between them and students without disabilities.



### Upcoming Work

- One of our central goals is to compare different models of estimating school performance
- We will compare commonly used models of school performance to determine how model choice and model characteristics impact characterizations of school performance using data from four states. Many different models with be compared, including transition matrices, student growth percentiles, value-added, and hierarchical linear growth models
- 2010-2012 data



# In closing...

- Questions/comments?
- Question to you—What are the key assessment and accountability issues for SWDs where research is most needed?—Invite you to approach me during conference or email me with any thoughts
- ann.schulte@asu.edu
- References to studies discussed here are provided in handout available at www.ncaase.com

