DESEARCH INTERVIEW OF CONTROL OF CONTROL

Del Siegle, NCRGE Director

NATIONAL CENTER FOR **RESEARCH** ON **GIFTED EDUCATION** www.ncrge.uconn.edu

the **PROBLEM**

For more than a quarter century, the field of gifted education has wrestled with two separate, but related issues:

 a widespread failure to identify and serve underrepresented populations and
 limited data documenting "what works" in gifted education.

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the GOAL ...to increase our understanding of

- 1. Identification policies and procedures
- 2. Instructional approaches
- 3. Program curricula and content
- 4. Predictors of success



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the **PLAN**

- Analyze State District Gifted Education Plans
- Survey All Districts and Schools about Gifted Identification and Service
- Policies and Practices in CO, FL, and NC
- Analyze 3rd, 4th, and 5th Grade Student Reading and Mathematics Achievement for Current 7th Grade Students
 - Identify Schools that Successfully Include and Serve Under-Represented Populations with Gifted Services
- Year 2

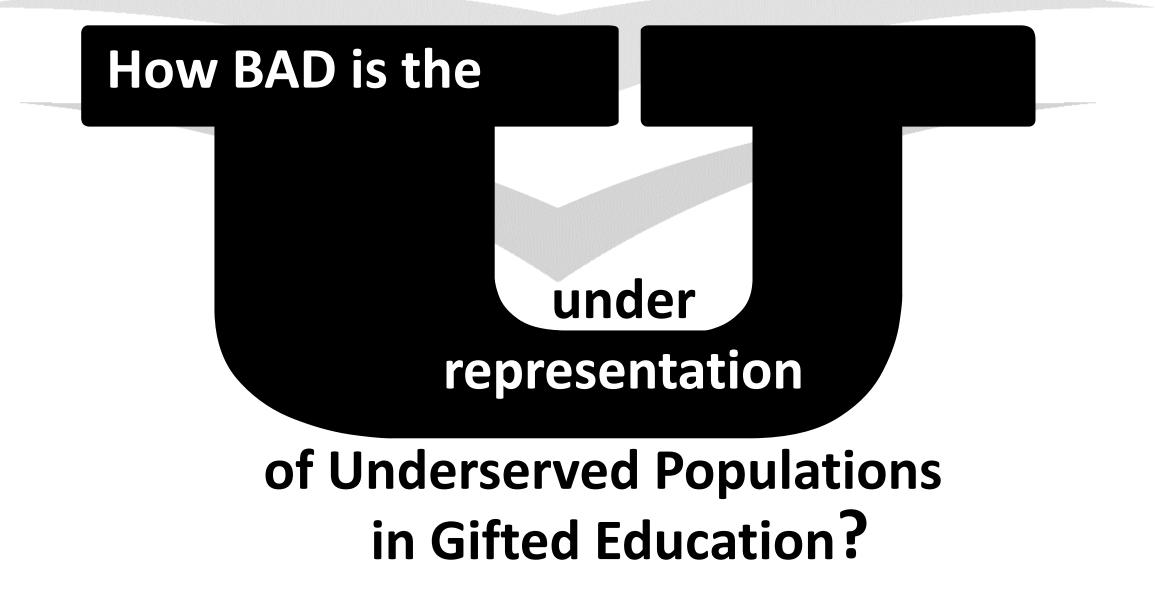
Year

- Conduct Case Studies of 24 Schools (8 in each of three states) to Determine Which Practices and Services are Most Effective
- Develop a Randomized Controlled Trial to Test
 Findings from Case Studies

133 Variables for293 State DistrictGifted Plans

193,810 7th-Grade Students' Math and Reading Achievement in Grades 3, 4, and 5

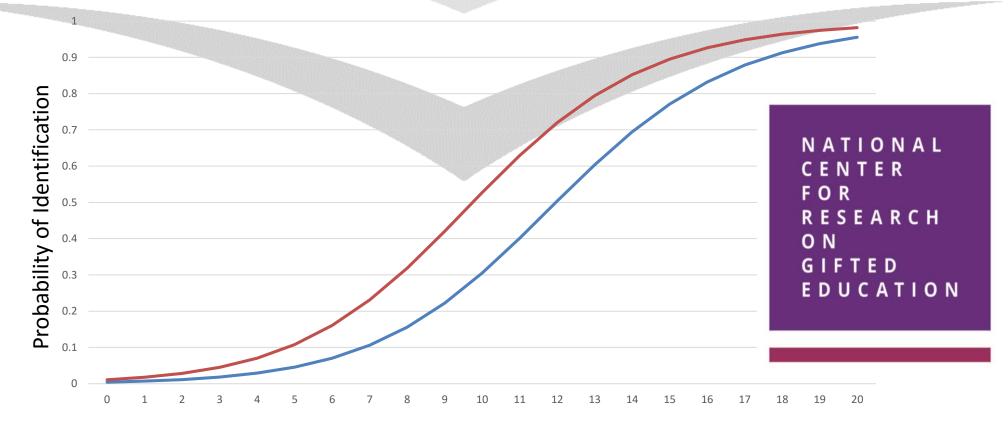
2 Comprehensive Literature Reviews 331 District Survey Responses 1580 School Survey Responses



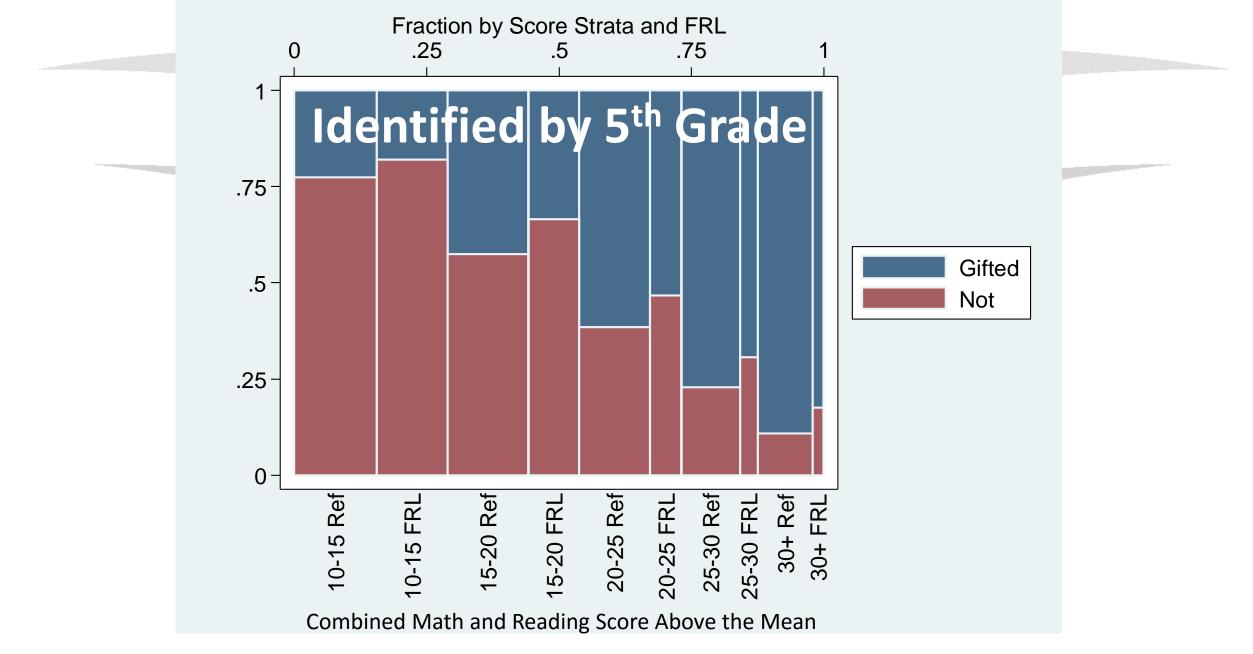
Predicted probability of being identified as gifted in grade 4 for students from different demographic groups

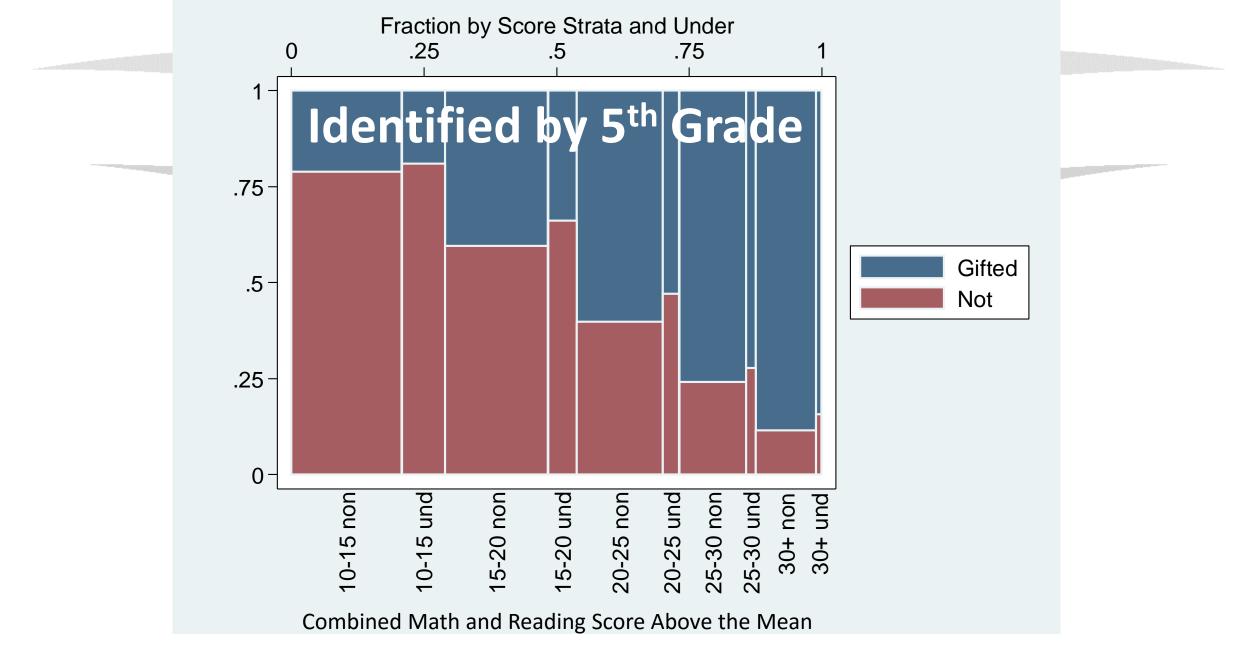
	Logit	%	
Reference	-1.88	13.23	
Non-under/FRL	-3.13	4.18	
Non-under/EL	-2.58	7.06	
Non-under/FRL/EL	-3.83	2.13	ΝΑΤΙΟΝΑΙ
UNDER	- 2.93	5.05	C E N T E R F O R
UNDER/FRL	-4.10	1.63	RESEARCH O N
UNDER/EL	-3.63	2.58	GIFTED EDUCATION
UNDER/FRL/EL	-4.79	0.82	

Probability of identification as gifted in grade 4 for reference students and students who are EL, FRL, and UNDER after controlling for Reading and Math scores and school SES and school percentage of gifted students



Points above the Mean in both reading and mathematics; SD is approximately 9.5 points

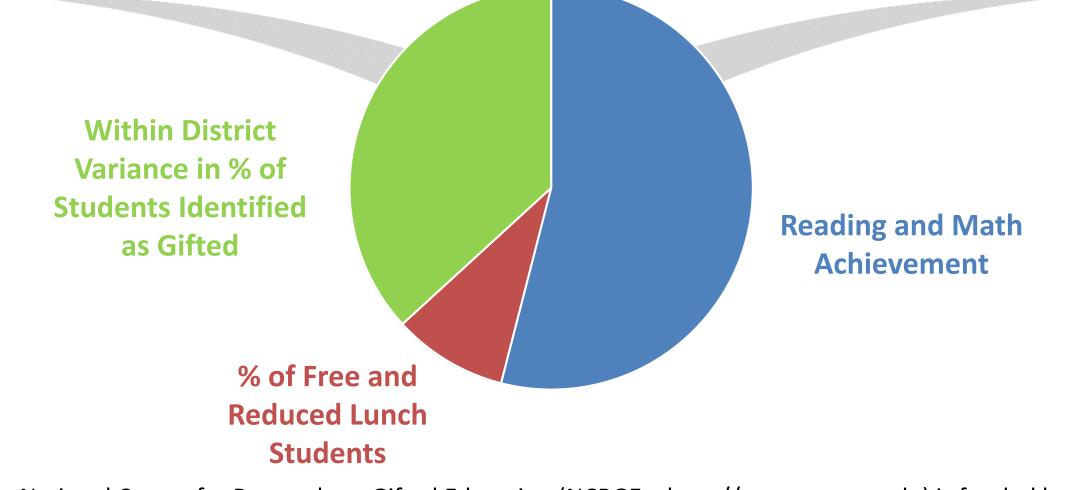




What is the relationship between the % of free and reduced lunch students in a school and the % of students identified as gifted?



The percentage of students in the school with free and reduced lunch predicts 20% of the residual within district variance (after controlling for reading and math scores) in the percentage of students identified as gifted and talented.



District Plans: Coding Scheme Sections

Section A: Preparation



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District Plans – Inter-rater Agreement 293 Plans: 133 Variables Each

- State 1: 57 districts with 16 BOCES (with 2-
 - 21 sub-districts); 178 district plans
 - -14% selected for group ratings
 - -91.9% average inter-rater agreement
- State 2: 115 district plans

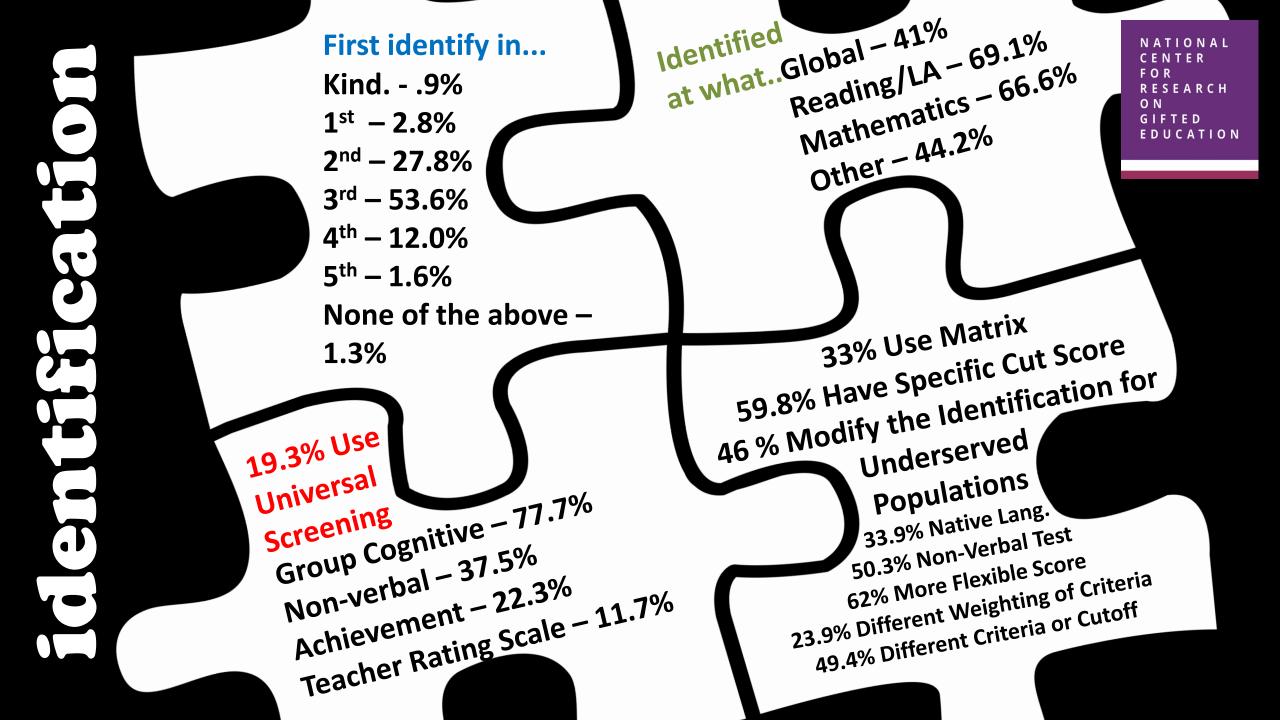
-13% selected for group ratings

-87.8% average inter-rater agreement

Screening & Identification Mentioned in the Plan

State 1	Assessments	State 2
70.8%	Intelligence	92.2%
47.2%	Non-verbal Intelligence	69.6%
68.0%	Achievement	97.4%
47.2%	Teacher rating scales	69.3%
59.6%	Teacher nominations	80.9%
56.7%	Parent nominations	73.0%
38.2% Self-nominations		36.5%

	Cognitive Ability Tests	94.3%
	Teacher Nomination/Referral	93.4%
District	Achievement Tests	91.8%
Survey	Parent Nomination/Referral	84.9%
Results	Teacher Ratings	77.0%
	Student Work Samples	65.9%
Support	Observation Tools	61.2%
District	Non-Verbal Assessment	57.7%
	Performance-Based Assessment	47.0%
Plan	Self-Nomination	36.5%
Analysis	Analysis Creativity Test Score	
	Dynamic Assessment	4.4%



Screening & Identification

Tests matter

 Provide main data sources
 IQ and achievement tests used most frequently

Identification occurs in 3rd grade

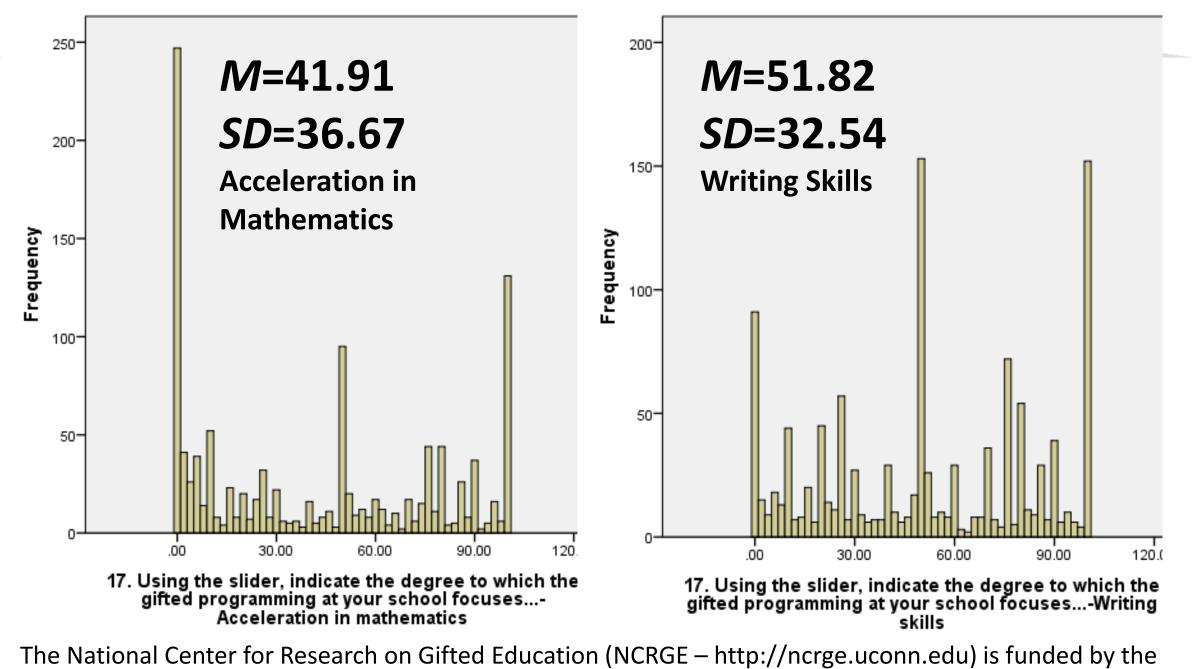
Reading & Math Curricular and Instructional Approaches Mentioned in District Plans

State 1			State 2	
36.5%	31.5%	More in-depth or breadth of grade level content	74.8%	75.7%
Math	Reading		Math	Reading
48.3%	47.8%	Faster pace (acceleration, above grade level)	88.7%	89.6%
Math	Reading		Math	Reading
39.3%	39.3%	Pre-assessment (informal or formal)	61.7%	61.7%
Math	Reading		Math	Reading

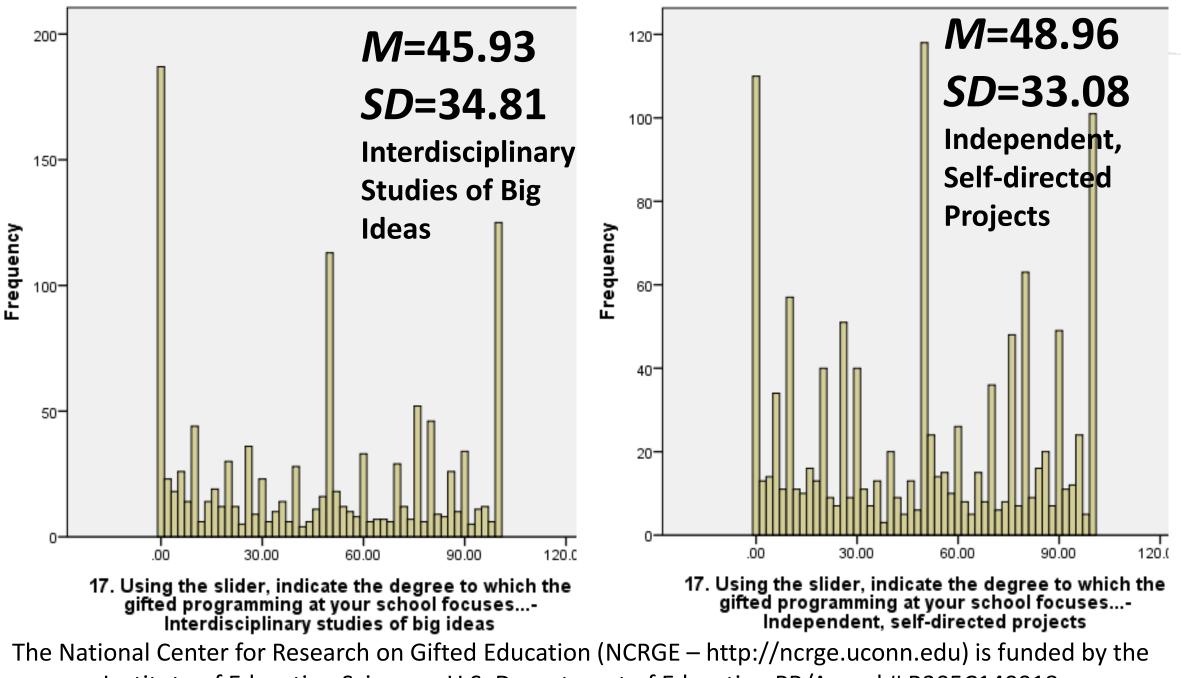
- 30.4% of schools do not accelerate
- 36.0% of schools subject accelerate
- 25.9% of schools whole grade accelerate
- 71.6% of schools use pullout
- 52.1% of schools use cluster grouping
- 43.8% of schools use homogenous grouping
- 32% of schools use push-in

N A T I O N A L C E N T E R F O R R E S E A R C H O N G I F T E D E D U C A T I O N

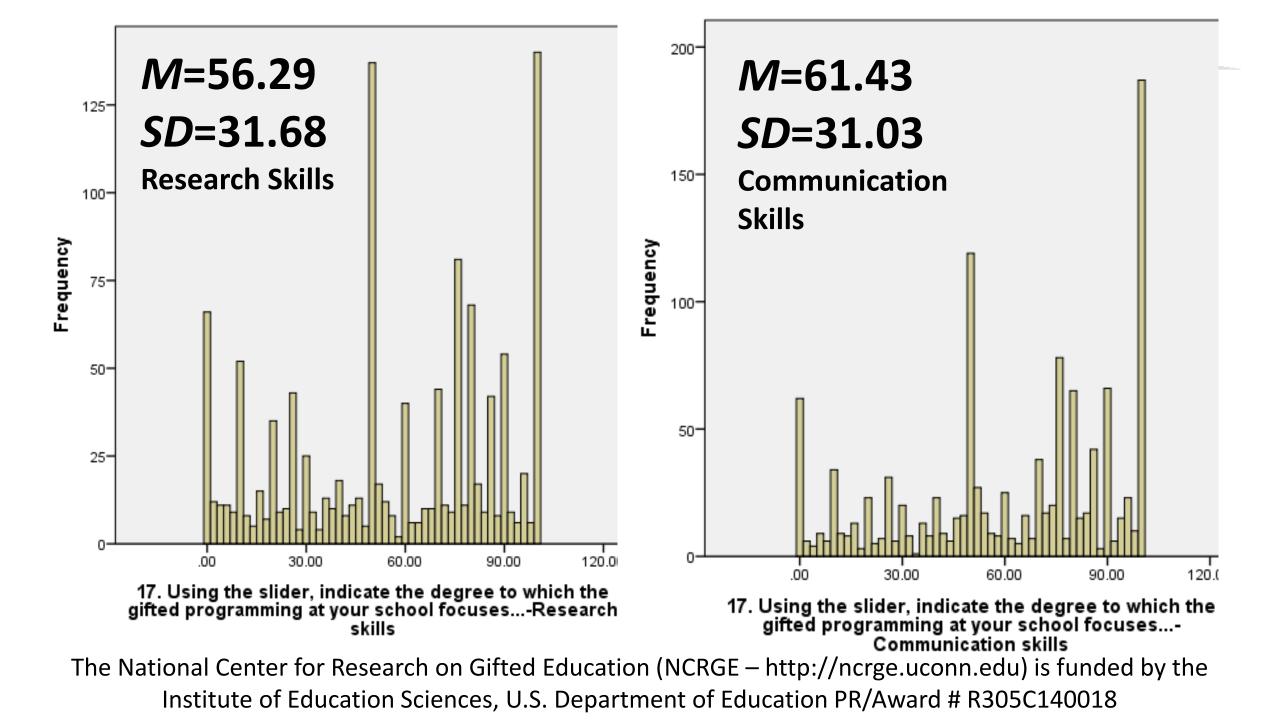
- 28.9% schools offer gifted reading/LA but 28.7% of them don't have specific reading/LA curriculum
- 28.4% schools offer gifted mathematics but 24.2% of them don't have specific gifted math curriculum
- 93.7% of districts do not have a designed math curriculum for gifted
- 90.2% of districts do not have a designated reading/LA curriculum for gifted

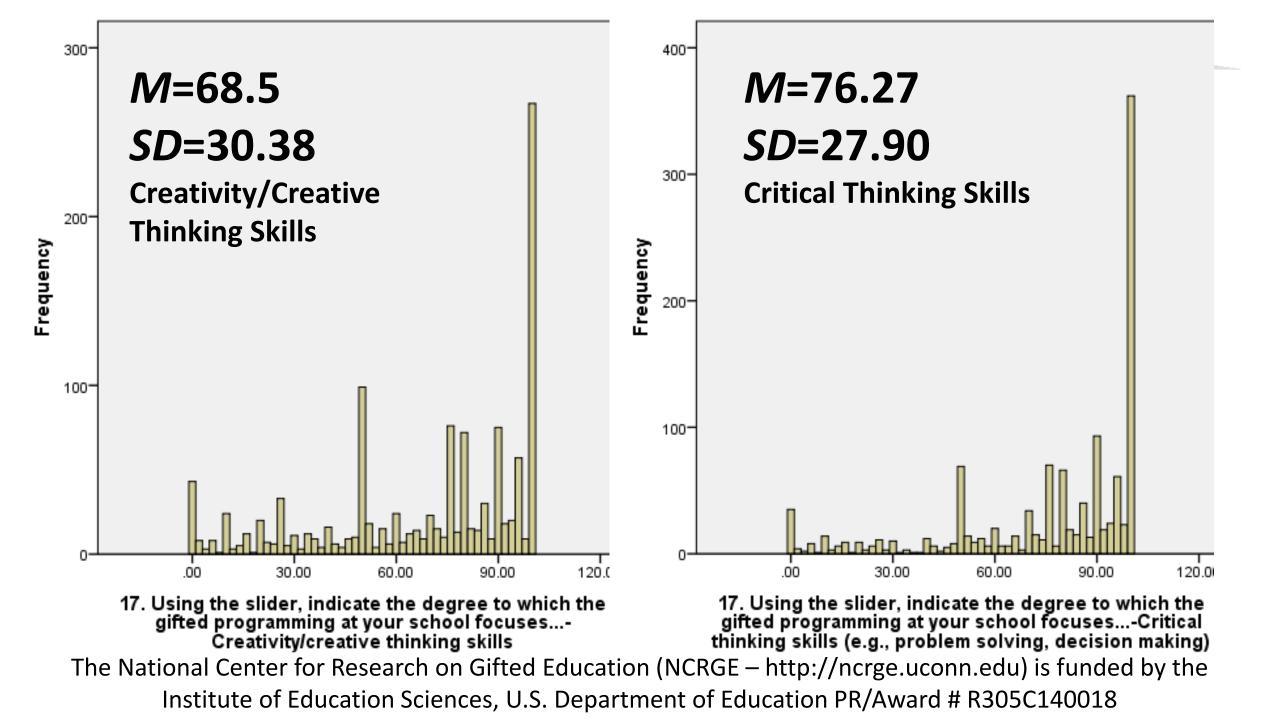


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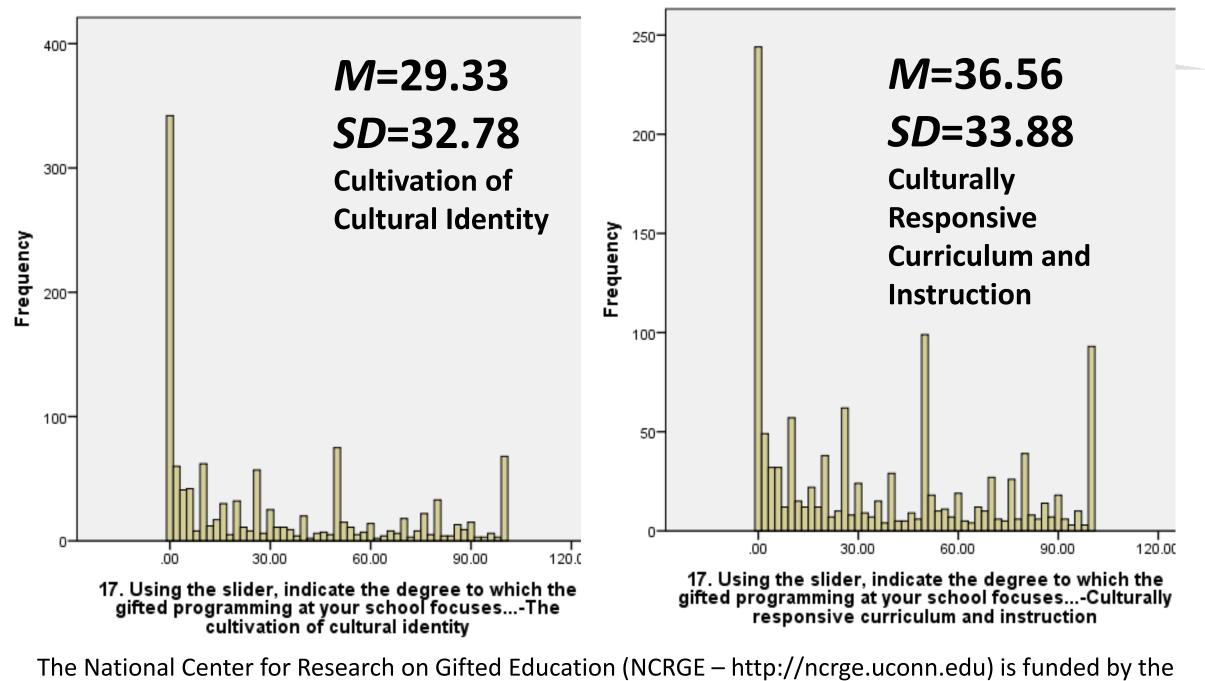


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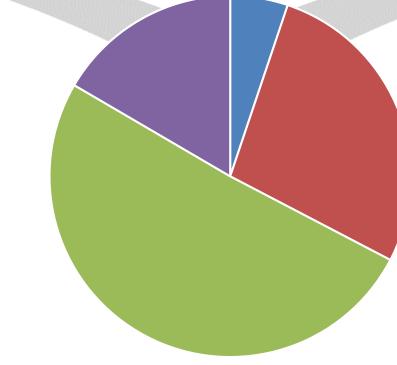
Pullout for Creativity and Critical Thinking Rule the Day



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Change is Possible

How much autonomy do your school's teachers of the gifted have in choosing the content to deliver?



Very Little - 5.1% Some - 27.2% A Lot - 50.2% Complete 16.4%

■ Very Little ■ Some ■ A Lot ■ Complete

Now we begin visiting schools where underserved students are being identified as gifted and excelling in mathematics and reading...stay tuned



University of Connecticut: Dr. Del Siegle, Director Dr. E. Jean Gubbins, Associate Director Dr. D. Betsy McCoach Dr. Rashea Hamilton Dr. Rachel Chung Dr. Joseph Renzulli

Dr. Christopher Rhoads

Dr. Bianca Montrosse-Moorhead



Berkeley UNIVERSITY OF CALIFORNIA Dr. Frank Worrell





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Funded by the Institute of Education Sciences, U.S. Department of Education PR/Award # R305C140018

