# A Strategy to Optimally Identify Students for **Gifted Services**

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# This session:

#### Part One:

- What criteria do we follow? What are the goals?
- What's the problem we want to solve?
- What is Optimal ID?
- How does Optimal ID make gifted identification better?

#### Part Two:

- The Optimal Identification App
- Applying Optimal ID to a real district

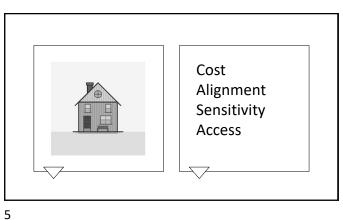
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- Universal consideration (aka single-phase system)
- Two-phase system
- Universal screening
- Sensitivity
- Nomination validity
- Combination Rules (AND/OR/MEAN)



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## Cost

any finite resource that is allocated to identifying students for placement in each advanced learning opportunity. Common costs include money spent on assessments, teacher time, and student time spent on identification-related practices.

## Alignment

focuses on the agreement between the skills, dispositions, and abilities measured by the identification system and those that will be fostered in the service being provided. There are two relevant components to alignment: domain and level.

## Sensitivity

represents the proportion of students who would benefit from an educational service that are correctly identified for that specific service.

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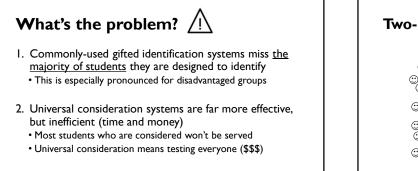
#### Access

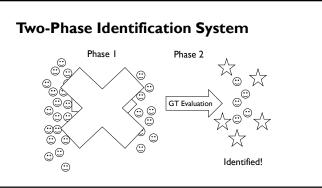
The removal of unintentional (or intentional) systematic barriers to gifted identification and providing equal opportunity to be identified. Similarly qualified students have the same probability of identification regardless of race, ethnicity, culture, language, disability status, and geographic or economic background.

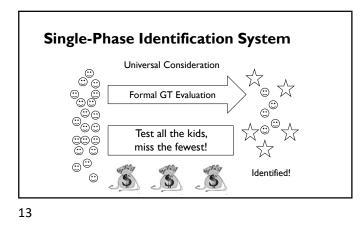
Criteria	Short Definition	
Cost	Time, money, and "opportunity cost"	
Alignment	ID domain match services ID level matches service level	
Sensitivity	Getting kids who would benefit into services	
Access	The identification portion of equity	

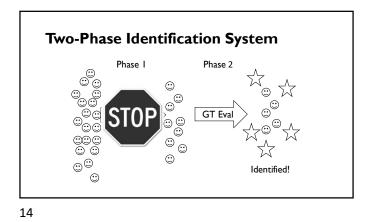
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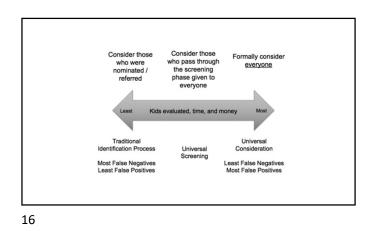








**Two-Phase Identification System** Phase I Phase 2  $\odot$ Phase I = less \$\$\$ on Phase 2 SIO 0 Phase I = missing some GT kids d 0 00 ン  $\odot$ ©© Identified!  $\odot$ 15

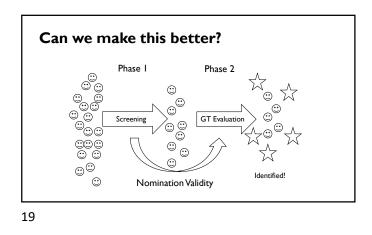


 Optimal Identification

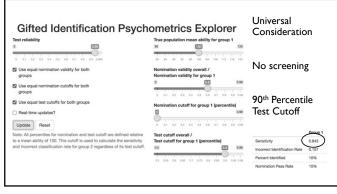
 Image: Strong Nomination Validity

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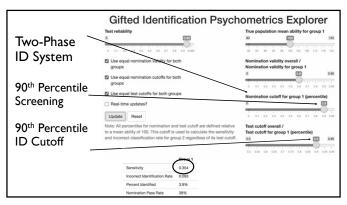
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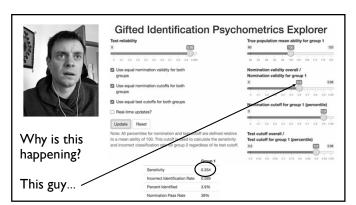


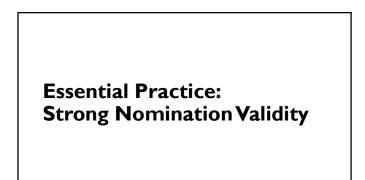


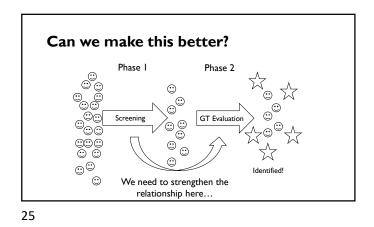


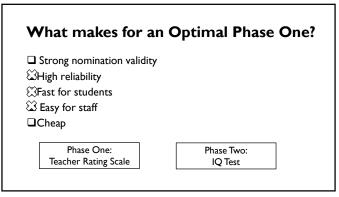


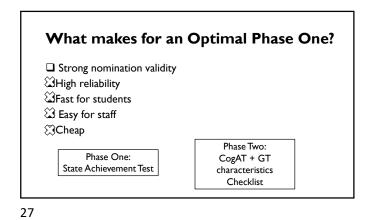


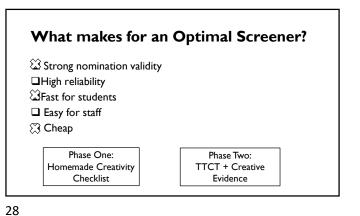




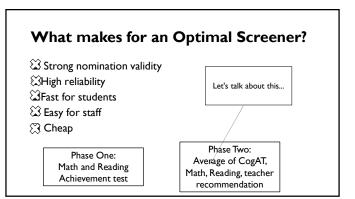








Essential practice: Mean combination rule at phase two



# Mean Combination Rule at Phase Two Table 4. Reliability of Mean by Reliabilities of Original Assessments and Number of Assessments Being Combined.

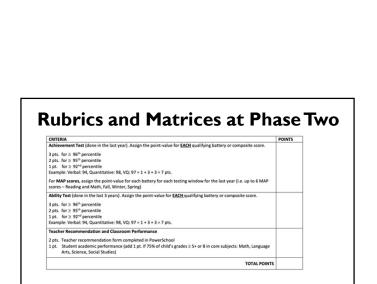
- Presuming we're identifying based on Original reliability of multiple measures...
  - Taking the mean of the data points INCREASES reliability
  - Higher reliability = higher sensitivi • Higher reliability = greater equity

	assessments	being combined	resulting mean
	.95	2	.97
	.95	3	.98
	.95	4	.99
	.90	2	.95
	.90	3	.96
•.	.90	4	.97
/ity	.85	2	.92
	.85	3	.94
,	.85	4	.96
	.80	2	.89
	.80	3	.92
	.80	4	.94
	.75	2	.86
	.75	3	.90
	.75	4	.92
		al scores have equal reliability : prior to combination. Calculati	

Number of as

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· Goodness of what phase one measures is 100% determined

• Your definition of giftedness DOES NOT MATTER in choosing a

· Goodness of what phase two measures is 100% determined by your definition of giftedness and what service will be

So don't just average random things together unless they a) fit your definition of gifted and b) measure skills necessary for success in the service

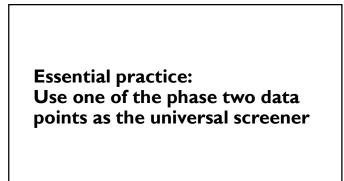
by what you measure at phase two

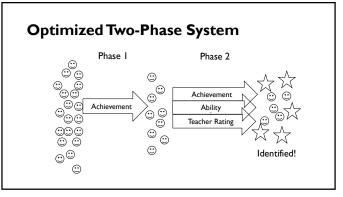
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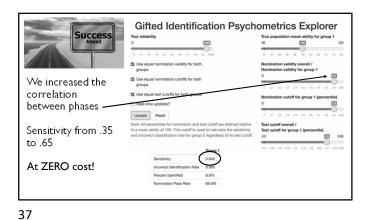
An Aside....

screener

provided









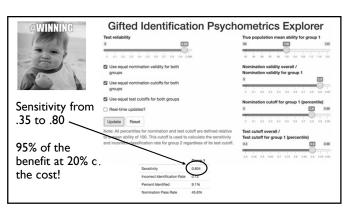
But wait....there's more....

What if you were willing to spend a little bit more - testing 20% of kids for GT eligibility instead of just 10%

**Essential practice:** Phase One Cutoff < Phase Two Cutoff

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# So, What's the Trick?

- Using existing, universally administered assessments as screeners lowers cost and decreases needed staff time
- Many of these also have high reliability (e.g., state achievement tests)
- By including this data point in both phases, we can drastically increase the correlation between the two phases
- By taking the mean of multiple measures in phase two, we can increase the reliability of our ID decisions

