Gifted Indicator for LRC

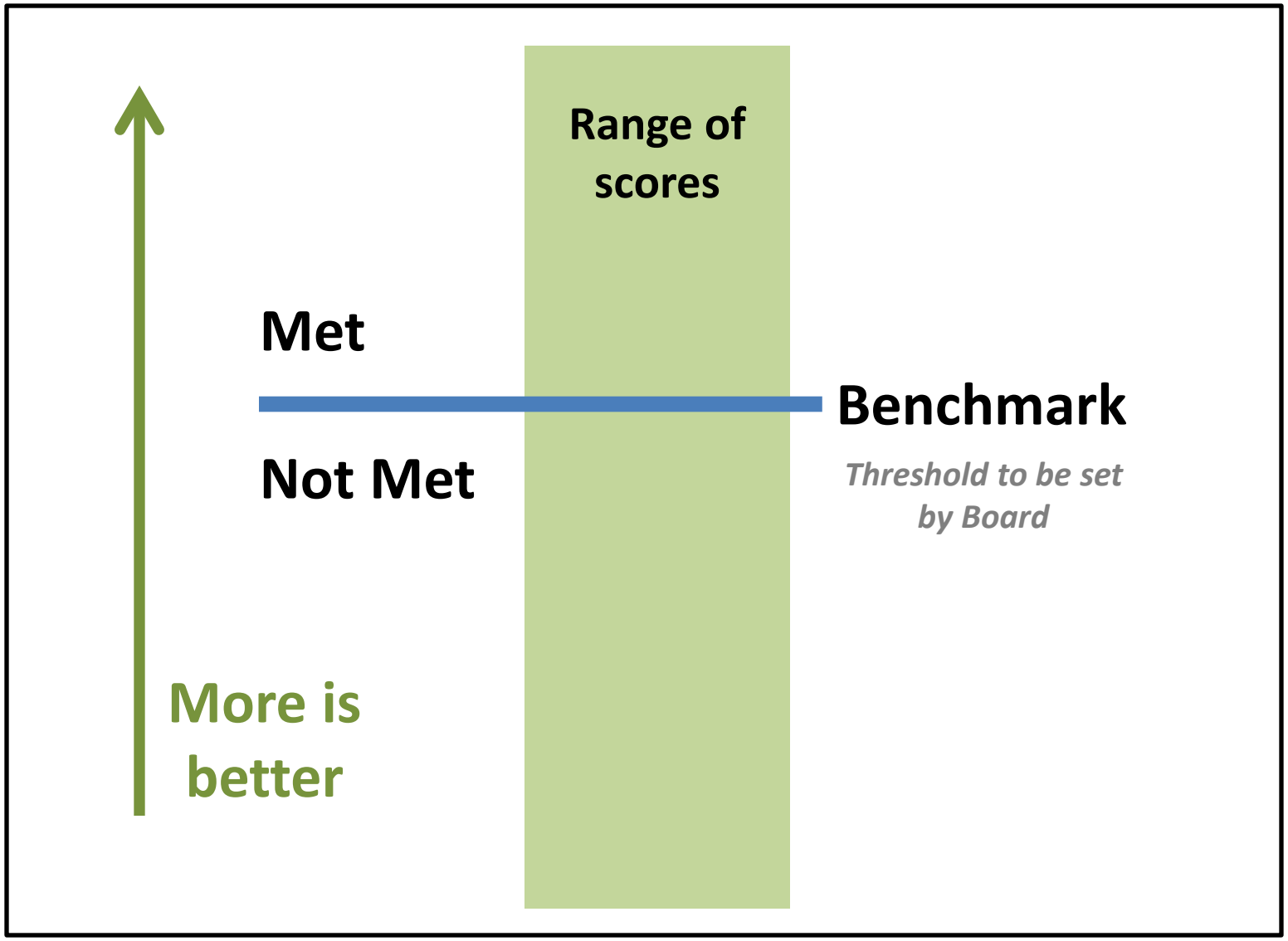
State Board Accountability Committee | 02.11.14

Ohio | Department of Education

Review

- Where we left off
- Board Resolution (Dec 2011) and subsequent Legislative requirement
- Available data for the indicator
  - Students identified as Gifted; receiving Gifted services
  - Gifted Value-Added
  - Gifted Performance Index
- What is an indicator?
  - More complex = harder to interpret
  - Purpose of indicator v. dashboard

Requirements for an Indicator



Takeaways from Board Meeting

- General conceptual agreement with the measures under consideration for the indicator
- Simplify computation
- Review impact on different types of districts

OAGC Priorities

- Developing an indicator that provides parents, districts, and policymakers a full picture of how gifted children are faring in their district. The measure should be easy to understand and difficult to manipulate.
- Moving away from the performance index as a way to gauge gifted performance. The low cut scores of accelerated and advanced make this measurement less than ideal. Perhaps looking at NCE's at higher levels such as 90th NCE to begin with or;
- Moving toward above grade level testing for gifted students to ensure that gifted growth measures really do not ceiling out the performance of these students.
- Looking through the lens of various grade bands (K-3, 4-8, 9-12) so that all grades are considered.
- Creating incentives for acceleration including earned high school credit in middle school; earned college credit in high school.
- Ensuring that economically disadvantaged/minority students are identified and served.
- Developing meaningful measures for students beyond grades 4 – 8 and in non-academic areas. At least until there is value-added at the high school level and K – 2, we have huge gaps.

Revised Framework

- Simplify—Make the indicator easy to compute and the system difficult to manipulate
- Accommodate additional measures of results as available in the future
- Use grade bands in input measure
- Make incentives explicit
- Assure fairness for all types of districts regardless of demographics

Gifted Indicator

- A simple composite of measures
  - Student Performance Measures
    - Gifted Value-Added, existing grade from LRC
    - Gifted Achievement, calculated using Gifted Performance Index
    - Future inclusions as available, e.g., ACT
  - District/School Input Measure
    - Identification: Percentage of enrolled students identified as Gifted, by grade band (K-3, 4-8, 9-12)
    - Service: Percentage of enrolled students who receive Gifted services, by grade band (K-3, 4-8, 9-12)
  - Gifted Indicator can be calculated for districts/schools that have a Gifted Value-Added grade and a Gifted Performance Index
    - 557 of 609 districts in FY13

Performance Measures

- Student performance measures are the "gatekeeper" for meeting the Gifted Indicator

- Board guidance is needed to set minimum thresholds for two performance measures
  - Gifted Value-Added and Gifted Achievement

Input Measure

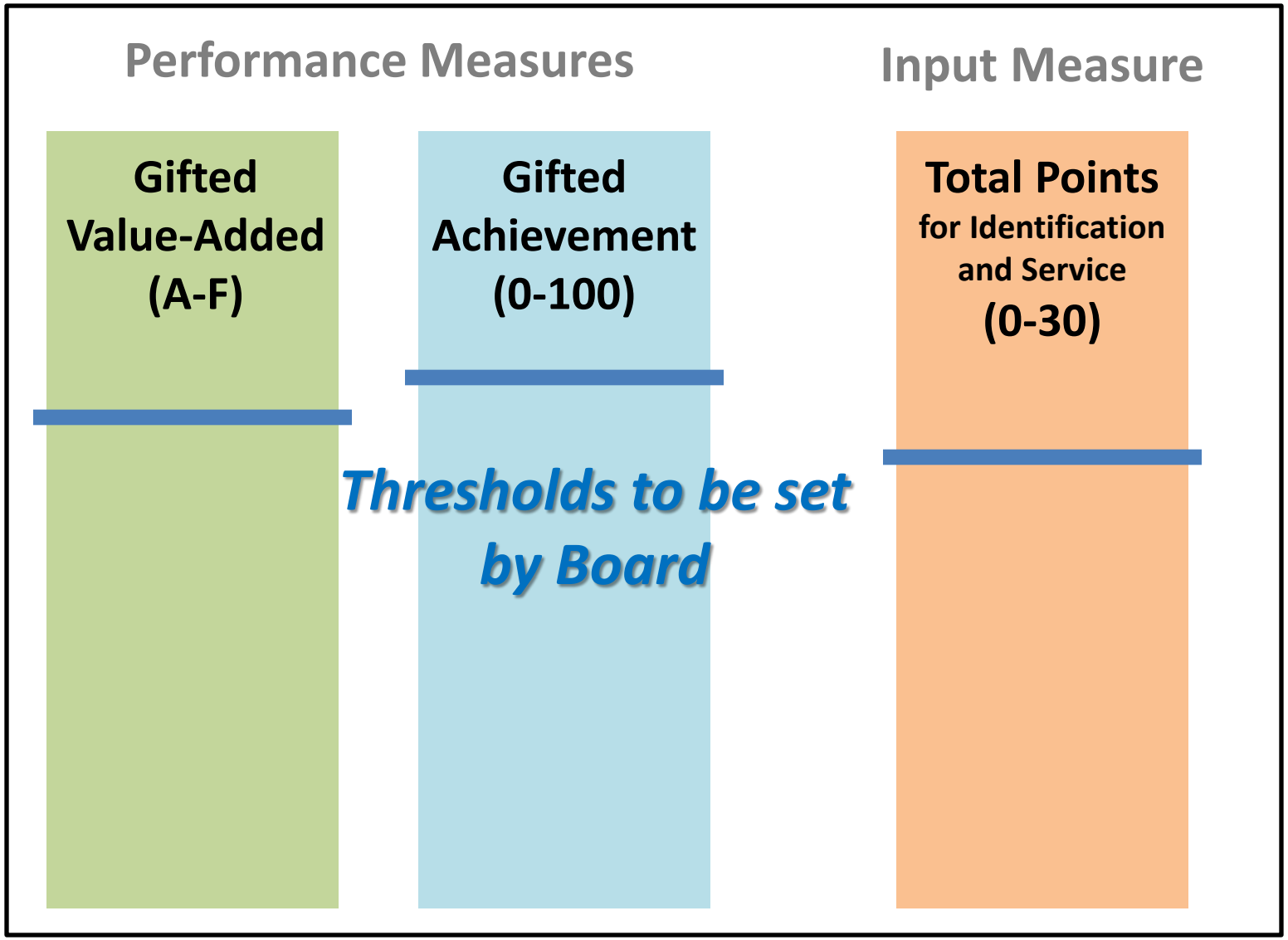
- Measure is a point system that includes Gifted identification and service
- Incentives are structured to reward/weight:
  - Service more than identification
  - K-3 more than higher grades
- Meeting the Gifted Indicator requires attaining a minimum number of points
- Board guidance is needed to set a minimum point threshold for the input measure

Point System for Inputs

	Percentage of Enrolled Students			
	0.1-1.9%	2.0-4.9%	5.0-9.9%	10.0+%
IDENTIFICATION				
Grades K-3	1	2	3	4
Grades 4-8	0	1	2	3
Grades 9-12	0	1	2	3
SERVICE*				
Grades K-3	2	4	6	8
Grades 4-8	0	2	4	6
Grades 9-12	0	2	4	6

* Must identify at least 1.0% of students in grade band in order to count service points

Simplified Indicator



FY 2013 Distribution of Districts by District Type and Measure

Gifted Value-Added Grades

Count of Districts

	District Type	F	D	C	B	A	Total
1	Rural High Poverty	10	21	53	12	5	**101**
2	Rural Average Poverty	7	13	53	14	6	**93**
3	Small Town Low Poverty	10	21	54	12	9	**106**
4	Small Town High Poverty	8	14	44	10	7	**83**
5	Suburban Low Poverty	4	14	34	11	13	**76**
6	Suburban Very Low Poverty	1	5	11	11	18	**46**
7	Urban High Poverty	10	10	17	6	3	**46**
8	Urban Very High Poverty	2	1	2	1		**6**
	Total	52	99	268	77	61	**557**

Corresponding Distribution

	District Type	F	D	C	B	A	Total
1	Rural High Poverty	9.9	20.8	52.5	11.9	5.0	**101**
2	Rural Average Poverty	7.5	14.0	57.0	15.1	6.5	**93**
3	Small Town Low Poverty	9.4	19.8	50.9	11.3	8.5	**106**
4	Small Town High Poverty	9.6	16.9	53.0	12.0	8.4	**83**
5	Suburban Low Poverty	5.3	18.4	44.7	14.5	17.1	**76**
6	Suburban Very Low Poverty	2.2	10.9	23.9	23.9	39.1	**46**
7	Urban High Poverty	21.7	21.7	37.0	13.0	6.5	**46**
8	Urban Very High Poverty	33.3	16.7	33.3	16.7	0.0	**6**
	Total	9.3	17.8	48.1	13.8	11.0	**557**

Gifted Performance Index

Count

	District Type	90-94	95-99	100-104	105-109	110-114	115-119	Total
1	Rural High Poverty	2		1	5	46	47	**101**
2	Rural Average Poverty		1	3	1	41	47	**93**
3	Small Town Low Poverty				2	35	69	**106**
4	Small Town High Poverty				1	34	48	**83**
5	Suburban Low Poverty				1	18	57	**76**
6	Suburban Very Low Poverty				1	6	39	**46**
7	Urban High Poverty			4	4	26	12	**46**
8	Urban Very High Poverty				2	4		**6**
	Total	2	1	8	17	210	319	**557**

Distribution

	District Type	90-94	95-99	100-104	105-109	110-114	115-119	Total
1	Rural High Poverty	2.0	0.0	1.0	5.0	45.5	46.5	**101**
2	Rural Average Poverty	0.0	1.1	3.2	1.1	44.1	50.5	**93**
3	Small Town Low Poverty	0.0	0.0	0.0	1.9	33.0	65.1	**106**
4	Small Town High Poverty	0.0	0.0	0.0	1.2	41.0	57.8	**83**
5	Suburban Low Poverty	0.0	0.0	0.0	1.3	23.7	75.0	**76**
6	Suburban Very Low Poverty	0.0	0.0	0.0	2.2	13.0	84.8	**46**
7	Urban High Poverty	0.0	0.0	8.7	8.7	56.5	26.1	**46**
8	Urban Very High Poverty	0.0	0.0	0.0	33.3	66.7	0.0	**6**
	Total	0.4	0.2	1.4	3.1	37.7	57.3	**557**

Gifted Achievement

Count

	District Type	0-59	60-64	65-69	70-74	75-79	80-84	85-89	90-94	95-99	Total
1	Rural High Poverty	4	6	12	6	31	32	9	1		**101**
2	Rural Average Poverty	8	7	6	13	25	21	10	2	1	**93**
3	Small Town Low Poverty	2	6	5	17	28	43	5			**106**
4	Small Town High Poverty	1	2	5	7	17	38	12	1		**83**
5	Suburban Low Poverty	2	3		4	22	30	15			**76**
6	Suburban Very Low Poverty	5		1	5	13	12	7	3		**46**
7	Urban High Poverty	3	1	3	2	12	16	8	1		**46**
8	Urban Very High Poverty			1	1		3	1			**6**
	Total	25	25	33	55	148	195	67	8	1	**557**

Distribution

	District Type	0-59	60-64	65-69	70-74	75-79	80-84	85-89	90-94	95-99	Total
1	Rural High Poverty	4.0	5.9	11.9	5.9	30.7	31.7	8.9	1.0	0.0	**101**
2	Rural Average Poverty	8.6	7.5	6.5	14.0	26.9	22.6	10.8	2.2	1.1	**93**
3	Small Town Low Poverty	1.9	5.7	4.7	16.0	26.4	40.6	4.7	0.0	0.0	**106**
4	Small Town High Poverty	1.2	2.4	6.0	8.4	20.5	45.8	14.5	1.2	0.0	**83**
5	Suburban Low Poverty	2.6	3.9	0.0	5.3	28.9	39.5	19.7	0.0	0.0	**76**
6	Suburban Very Low Poverty	10.9	0.0	2.2	10.9	28.3	26.1	15.2	6.5	0.0	**46**
7	Urban High Poverty	6.5	2.2	6.5	4.3	26.1	34.8	17.4	2.2	0.0	**46**
8	Urban Very High Poverty	0.0	0.0	16.7	16.7	0.0	50.0	16.7	0.0	0.0	**6**
	Total	4.5	4.5	5.9	9.9	26.6	35.0	12.0	1.4	0.2	**557**

Total Points by District Type

Points	1. Rural High Poverty	2. Rural Average Poverty	3. Small Town Low Poverty	4. Small Town High Poverty	5. Suburban Low Poverty	6. Suburban Very Low Poverty	7. Urban High Poverty	8. Urban Very High Poverty	Total
0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
3	0.0	0.0	0.0	2.4	0.0	0.0	2.2	0.0	0.5
4	1.0	2.2	0.9	0.0	0.0	0.0	0.0	0.0	0.7
5	2.0	1.1	2.8	4.8	1.3	0.0	6.5	0.0	2.5
6	5.9	9.7	3.8	7.2	1.3	0.0	2.2	0.0	4.8
7	9.9	5.4	8.5	8.4	3.9	0.0	2.2	0.0	6.3
8	14.9	6.5	6.6	9.6	1.3	2.2	15.2	33.3	8.4
9	7.9	8.6	12.3	7.2	5.3	0.0	8.7	16.7	7.9
10	6.9	16.1	13.2	6.0	9.2	6.5	10.9	0.0	10.1
11	5.9	11.8	7.5	3.6	2.6	2.2	6.5	0.0	6.1
12	8.9	2.2	2.8	3.6	6.6	6.5	15.2	16.7	5.9
13	10.9	5.4	5.7	9.6	7.9	6.5	6.5	16.7	7.7
14	5.9	11.8	11.3	3.6	9.2	8.7	6.5	0.0	8.3
15	5.0	3.2	4.7	8.4	5.3	2.2	8.7	0.0	5.2
16	4.0	6.5	3.8	6.0	7.9	10.9	2.2	0.0	5.6
17	4.0	2.2	2.8	2.4	1.3	2.2	0.0	0.0	2.3
18	1.0	3.2	2.8	2.4	9.2	15.2	2.2	0.0	4.3
19	1.0	2.2	0.9	2.4	6.6	2.2	0.0	16.7	2.3
20	1.0	1.1	0.9	2.4	7.9	13.0	0.0	0.0	3.1
21	2.0	0.0	0.0	6.0	1.3	4.3	0.0	0.0	1.8
22	0.0	0.0	2.8	2.4	2.6	6.5	2.2	0.0	2.0
23	0.0	0.0	2.8	0.0	3.9	0.0	0.0	0.0	1.1
24	1.0	0.0	0.9	1.2	1.3	8.7	0.0	0.0	1.4
25	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.2
26	0.0	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.2
27	0.0	0.0	1.9	0.0	2.6	0.0	0.0	0.0	0.7
28	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.0	0.2
Total	**101**	**93**	**106**	**83**	**76**	**46**	**46**	**6**	**557**