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Colorado School Finance Project

- Began 14 years ago Profile data
- In 2001-02, Adequacy Analysis Professional Judgment and Successful School District
- Updated Adequacy Analysis twice
- Analyze district issues: enrollment changes cost pressures – national trends
- 2007-08 National Trends and Research on Spending and Performance

Previous CSFP Work

- Purpose
 - Cost of meeting state standards and requirements
 - ☐ Weights for student and district characteristics
 - ☐ Total cost for every district
- Utilize methodology results:
 - ☐ Successful School District
 - ☐ Professional Judgment
 - □ Evidence-Based
 - □ Statistical

	100 p. 200 p

Recent CSFP Work

- Identify research that has examined the relationship between particular resources and student achievement
- Examine states with large increases in spending
- □ Compare Colorado to 50 states in achievement & spending

Research Cautions

- Most research focuses on improvement in student achievement, no direct link to meeting state-specific performance expectations
- Given how focused most research is, it is difficult to put all the pieces together and create one best service-delivery approach

Do Resources Affect Achievement?

- Career-technical education
- Counselors

■ Full-day kindergarten	
■ Pre-school	
 Professional development 	
■ Small class size	
■ Summer school	
■ Teacher pay (amount)	
■ Technology	

Research Shows ■ Positive results for most resource areas ■ Differences in findings: ☐ Some is older (no longer relevant) $\hfill \square$ Some is highly focused (not generalized) □ Approach (few studies use random assignment) ☐ A few "meta" analyses (numerous studies) ☐ Some research by recognized entities (e.g. RAND or the USDoE), and/or cited by AERA Other Limitations ■ Studies do not equate a dollar investment to a specific performance requirement ■ Local control - a balance with state initiatives Questions Initial thoughts? Reactions? ■ How is it helpful? ■ Cautions?

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	Looking at 4 states		
	■Arkansas		
	■Kentucky		
	■Maryland		
	■New Jersey		
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	\$ - 		
	States differ		
	■ Rationale for spending increase (litigation		
	or not) ■ Timing of new revenues (when and		
	targeted)		_
	Extent of impact (all or some districts) Did school finance system change?		
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	Findings		
1	■ Some common categories:		
	□ pre-school - expansion□ increase teacher salaries		
	☐ student support programs/services:		
į	summer school, parent program, after school, health centers, counselors		
	Guirou, Hould, Garday Guirosa		
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Findings (continued)	
Student performance rose at higher-than- average rates.	Value 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
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 Investments resulted in school district funding increases (4-10% per year over inflation) 	
Questions?	
■ What can Colorado learn from other	
states?	
■ Does it matter?	
50 State Comparison	
■ Utilize NAEP performance results and state	
spending # First step:	
☐ Analyze relative need, wealth, tax effort, spending, and performance in 2004-05	

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Analysis ■ Relative need □Weighted students divided by un-weighted students **■** Wealth □Personal income per capita adjusted by interstate COL ■ Tax effort for education ☐ State and local tax effort for current operations per \$1,000 of personal income Analysis (continued) Spending □Total staff per 1,000 weighted students □Average salary of instructional staff adjusted by inter-state COL ☐ Current spending per weighted student adjusted by inter-state COL ■ Performance □ Average of NAEP percent proficient and above for 4th and 8th grade math and reading Results for Colorado: ■ Average in need (-.9%) ■ High in wealth (+12.1%) # Low in tax effort (-18.8%) ■ Low in spending (-13.3% for staffing, -2.7% for instructional staff salary, and -10.8% for

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 High in relative performance (+11.1%), but low relative to where the state needs to be (only

34.8% proficient and above)

Colorado specific

- Relationship between performance and variables (50 states):
 - ☐ High negative with need
 - ☐ Moderate positive with wealth
 - □None with effort
 - ☐ Moderate positive with staffing
 - □Low positive with salary
 - ☐ Moderate positive with spending

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50 State Comparison

comparison of the 50 states in terms of K-12 education need, we alth, resource use, tax effort, and performance in 2004-05

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	Relative to	Interestate	Refative to	\$1,000
Relative	National	Cost of	Mational	Persor
Need	Average	Listing	Average	hreom
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A STANSON OF THE PERSON OF THE	State/Local Tax Effort	Tax Effert	The second secon	AND THE PROPERTY OF THE PROPER	THE PARTY OF THE P	Resource Use	
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	Total Current						
	Operating						
_	Expériditure			·····			
	Less Federal				Average		
	Revenue	:			Salary of		
	Divisied by				Instructional		
***	Total Personal	Tax Effort		Stating	State		
- X	Income (per	WACKELY.	Total Staff	Moon	Adjusted by	Adjusted by Salary Index	
50 50	\$1,000 of	Response to	D00/T 140	Retainmento	inter-state	Relative to	
- Tag	Personal	National	Weighted	National	Coss of	National	
4 A A	hrcome)	Average	Students	Average	Living	Average	
12,3%	\$32.28	81.2%	\$8.3	88,7%	\$46,992	26# '48	Г
0.0%	\$39.71	300.0%	101.9	300.0%	\$48,285	100.096	

Average of NAEP Percent Profiteent and Above for 4th Grade and Bush and Reading Rading Rading 34.8

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States surrounding Colorado ■ Kansas – Litigation ■ Utah - NCEE ■ New Mexico ■ Nebraska **■** Wyoming Other State Examples ■Maryland Dhttp://mlis.state.md.us/other/education/public_school_facilities/Presentation_091802.pdf ■New Jersey Ehttp://www.state.nj.us/education/sff/reports/AllChildrenAllCommunities.pdf ■Delaware inhttp://www.vision2015delaware.org ■Pennsylvania ■Massachusetts Chttp://www.mass.gov/Agov3/docs/Readiness%20Final%Report.pdf Questions? ■ Is NAEP the right measurement? Are other states spending and performance relevant to Colorado? Or for a global preparedness?

Colorado Relevance?

- A window of opportunity CAP4K
- Different implications for each district
- Making a difference for kids
- Strengthening Colorado's economy

