

# Effectiveness And Efficiency Of Kentucky School Districts

Presentation to the Education Assessment and Accountability Review Subcommittee by the Office of Education Accountability October 18, 2023



# **Overall Findings:**

**Factors Associated With Effectiveness** 

- Effectiveness of Kentucky school districts is associated with:
  - Favorable teacher working conditions
  - Lower teacher turnover
- Small districts face challenges related to efficiencies of scale that are outside of administrators' control. These challenges may negatively affect student achievement in some districts.



#### Consensus Findings From National Research

- The relationship between spending and outcomes is complicated, not entirely understood, and often not observable in the short term.
- Personnel, salaries and benefits are the majority of expenditures in all districts and are an important focus of analysis.
- Some districts face efficiency-related challenges that are outside administrators' control.
  - Higher-need student populations
  - District size
  - Geographic dispersion
  - Higher-cost labor markets

## Comparing Outcomes And Spending Is Not Straightforward

#### DISTRICT A

- 60% average proficiency
- \$12,000 per-pupil spending
- 10% of students economically disadvantaged
- 80% of adults have college degrees

#### DISTRICT B

- 45% average proficiency
- \$14,000 per-pupil spending
- 80% of students economically disadvantaged
- 10% of adults have college degrees















Per-Pupil Current Expenditures And COLA-Adjusted Per-Pupil Expenditures 2020 Kentucky And US				
	COLA- Adjusted Current Expenditures	COLA- Adjusted Instructional Expenditures		
Kentucky	\$12,700	\$7,424		
US	13,489	\$8,158		
Difference Kentucky and US	-789	-734		
Kentucky as a percent of US	94%	91%*		
*The full report shows that, like Kentucky spends a relatively gr relatively less on instruction that	reater amount on transp			

# **Presentation Outline**

- Background
- Kentucky And US
- District Per-Pupil Expenditures
  - Efficiency challenges beyond administrators' control
  - Range in per-pupil spending 2018, 2019, and 2022
- Relationship Between District Spending And Outcomes
- District Characteristics Associated With Effectiveness
- Conclusion

#### Efficiency Challenges And Associated Revenue Sources

Efficiency Challenge	Dedicated Funding	Revenue Sources	
<ul> <li>Higher-need populations</li> <li>FRPL-eligible*</li> <li>Special Education</li> <li>Limited English Proficiency</li> </ul>	Yes	Federal; SEEK-add-on weights (Greatest for special education; In 2022, totaled about \$464 million or 13% of SEEK revenue)	
Small size of 1,000 student membership or less** 28 of Kentucky's 39 small districts are independent school districts (ISDs)	No	ISDs, on average, have higher local tax rates than county districts	
* FRPL = federal free or reduced-priced lunch. **This threshold used by OEA for this report. Many Kentucky districts that exceed			

1,000 students may be considered small by national standards.

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Efficiency Challenges And Associated Revenue Sources				
Efficiency Challenge	Dedicated Funding	Revenue Sources		
Geographic dispersion	Yes	District square miles included in SEEK transportation calculation		
Higher-cost labor markets	No	Varies considerably; districts in higher- cost labor markets are disproportionately among the highest- and lowest-spending districts		
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- District Characteristics Associated With Effectiveness
  - Working conditions
  - Teacher turnover
  - Small district size
- Conclusion

## **KDE Teacher Working Conditions Survey**

- KDE administers every two years to all certified educators.
- OEA grouped districts by average responses on all question categories for survey administered in 2020.
- Districts in lowest 40% identified as "relatively less favorable" working conditions.

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# Teacher Turnover And Higher-Cost Labor Markets

- At the district level, teacher turnover greater among districts in higher-cost labor markets
- In higher-cost labor markets, teacher salary and teacher turnover are associated
  - Teacher turnover greater in districts with relatively less competitive salary
- Appendix I shows district labor market and teacher starting salary relative to other districts in labor market













#### **Conclusions:**

#### **District Effectiveness And Efficiency**

Data in this report highlight three areas that merit attention from state and local leaders concerned about district effectiveness and efficiency:

- Teacher working conditions
- Teacher turnover
- Efficiency challenges of small districts

#### Addressing These Challenges Requires Collective Efforts

#### **Teacher Working Conditions And Turnover**

- Local boards and leaders can influence:
  - Competitive salaries
  - Leadership development
  - Resources that support teacher working conditions
- General Assembly may also consider whether SEEK funding allows districts to keep pace with labor market demands

#### **Small Districts**

- ISD communities have the option to merge
- General Assembly may consider small district funding weights

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