



The world is changing.
Meet the future.

District Eleven

K – 12 Math Program

- The Power Of Our Math System
- Begin With The End In Mind



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District Eleven

K – 12 Math Program

- Intent / Purpose
- Math Facts
- ACHIEVE Graduate



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Comparison of Elementary Math Programs

- Addison Wesley (2)
- Everyday Math (21)
- Harcourt Brace (3)
- Houghton Mifflin (11)
- McMillan McGraw Hill (1)
- Saxon (3)
- Growing with Math* (1)

* Not reflected in the data

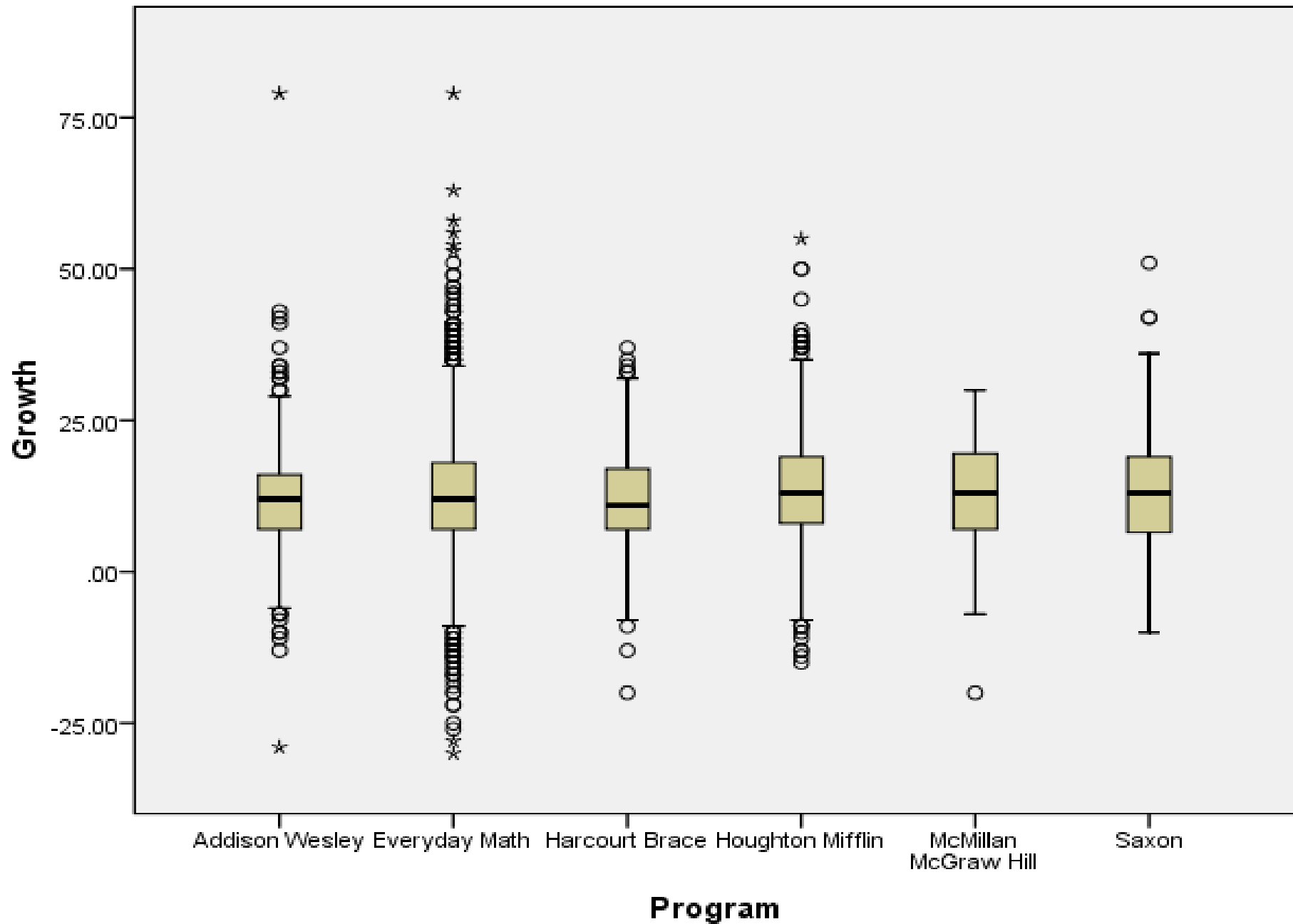


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Comparison of Elementary Math Programs

Methodology

- Schools using the same program for at least one year.
- Students (N=7,028).
- Comparison groups based on MAP math scores, free and reduced lunch status, ethnicity, and gender.





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Findings

In general, there was no statistically significant difference in growth that can be attributed to the program itself.

Houghton Mifflin slightly outperformed Harcourt Brace and Saxon, but those differences may be due to differences in the length of math instruction periods at the schools.



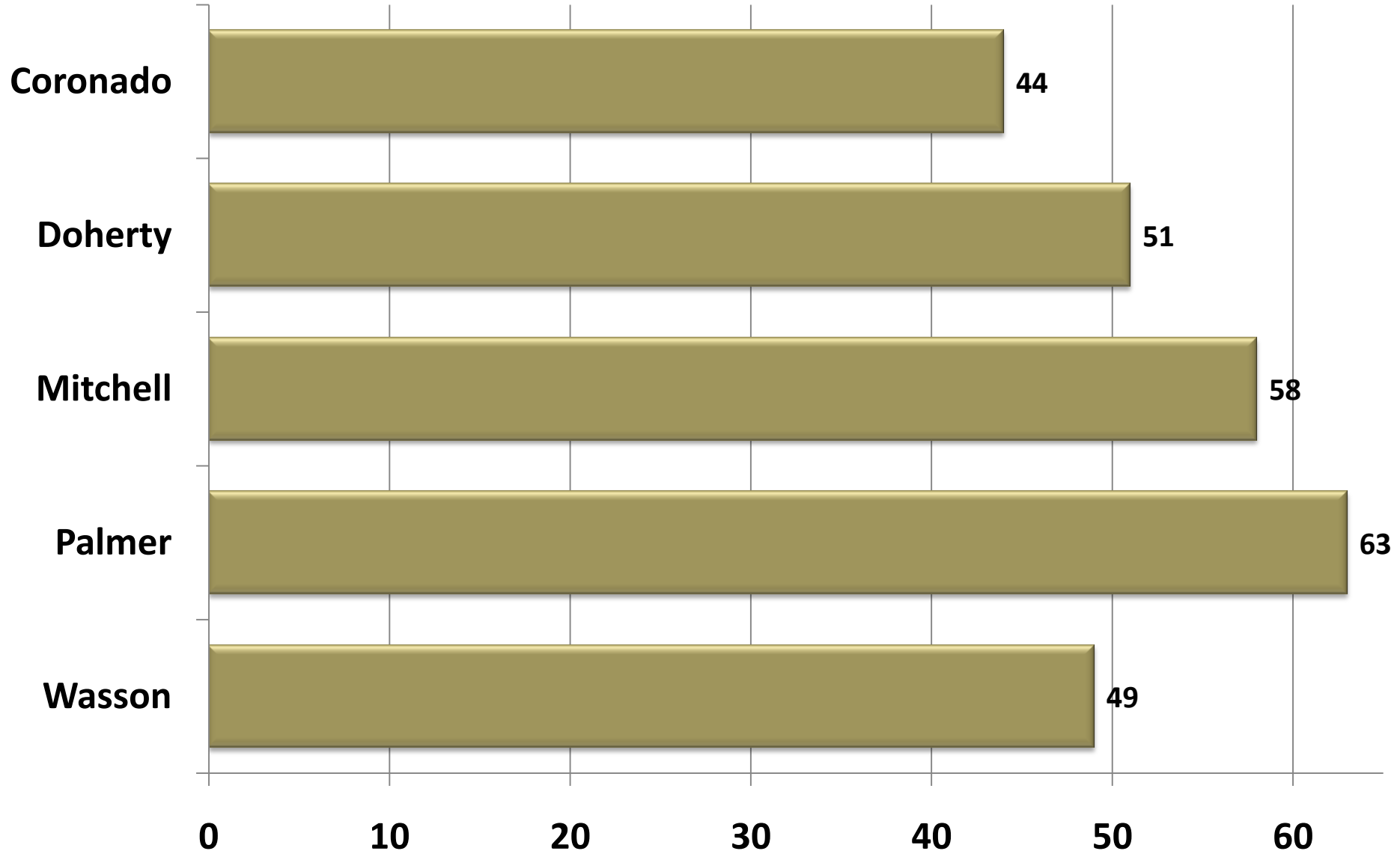
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CSAP Growth Model Data 2007 – 2009

- These are not one-time Proficient & Advanced percentages. Median Growth Percentiles reflect changes over time.
- Typical growth is in the 36th to 65th percentile range.
- State-wide median growth percentiles in each grade are the 50th percentile.

Average CSAP Median Growth Percentiles

High Schools 2007 – 2009





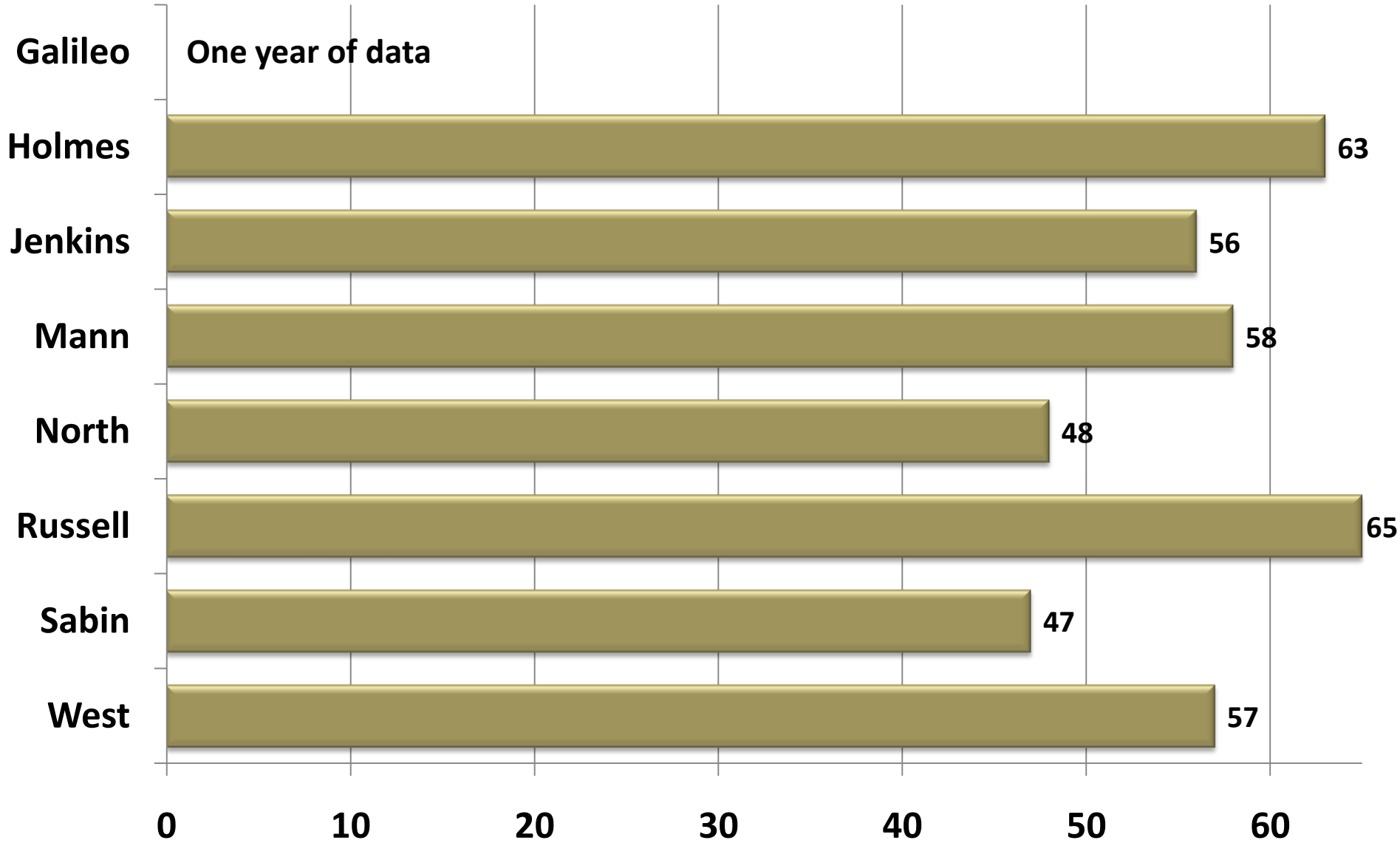
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Average CSAP Median Growth Percentiles High Schools 2007 – 2009

- The 5 comprehensive high schools in D11 have average median growth percentiles that fall well within the range of typical growth.
- 2 of the 5 high schools are well above the state median of the 50th percentile, and the other 3 are very close.

Average CSAP Median Growth Percentiles

Middle Schools 2007 – 2009





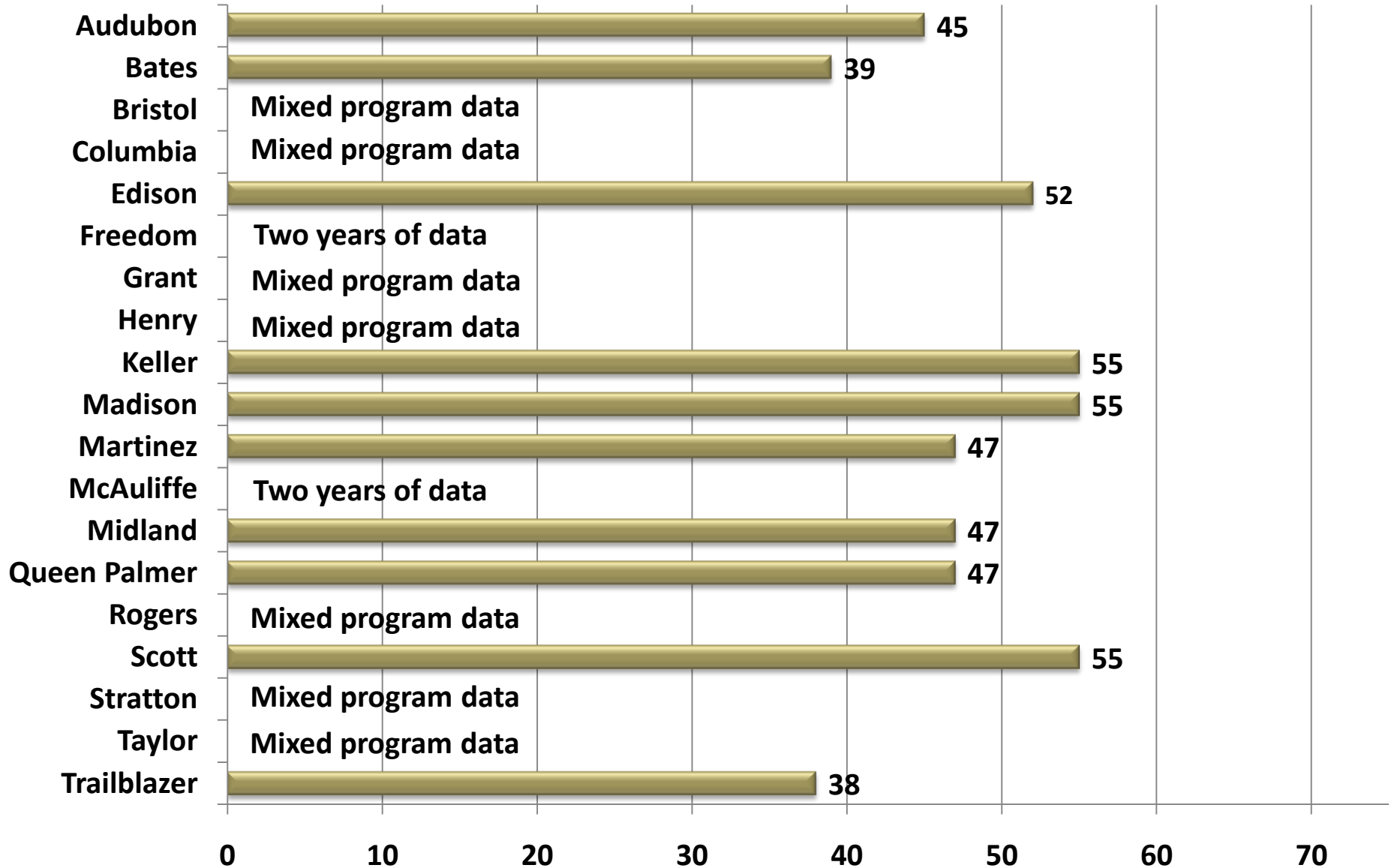
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Average CSAP Median Growth Percentiles Middle Schools 2007 – 2009

- Averaged over 3 years, 71% of middle schools exceed Colorado's expected median growth.
- Two are close to averaging high growth.
- D11 secondary schools have clearly shown typical growth in math as defined and measured by the Colorado Growth Model.

Average CSAP Median Growth Percentiles

Elementary Schools 2007 – 2009 (non-Everyday Math)





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Average CSAP Median Growth Percentiles

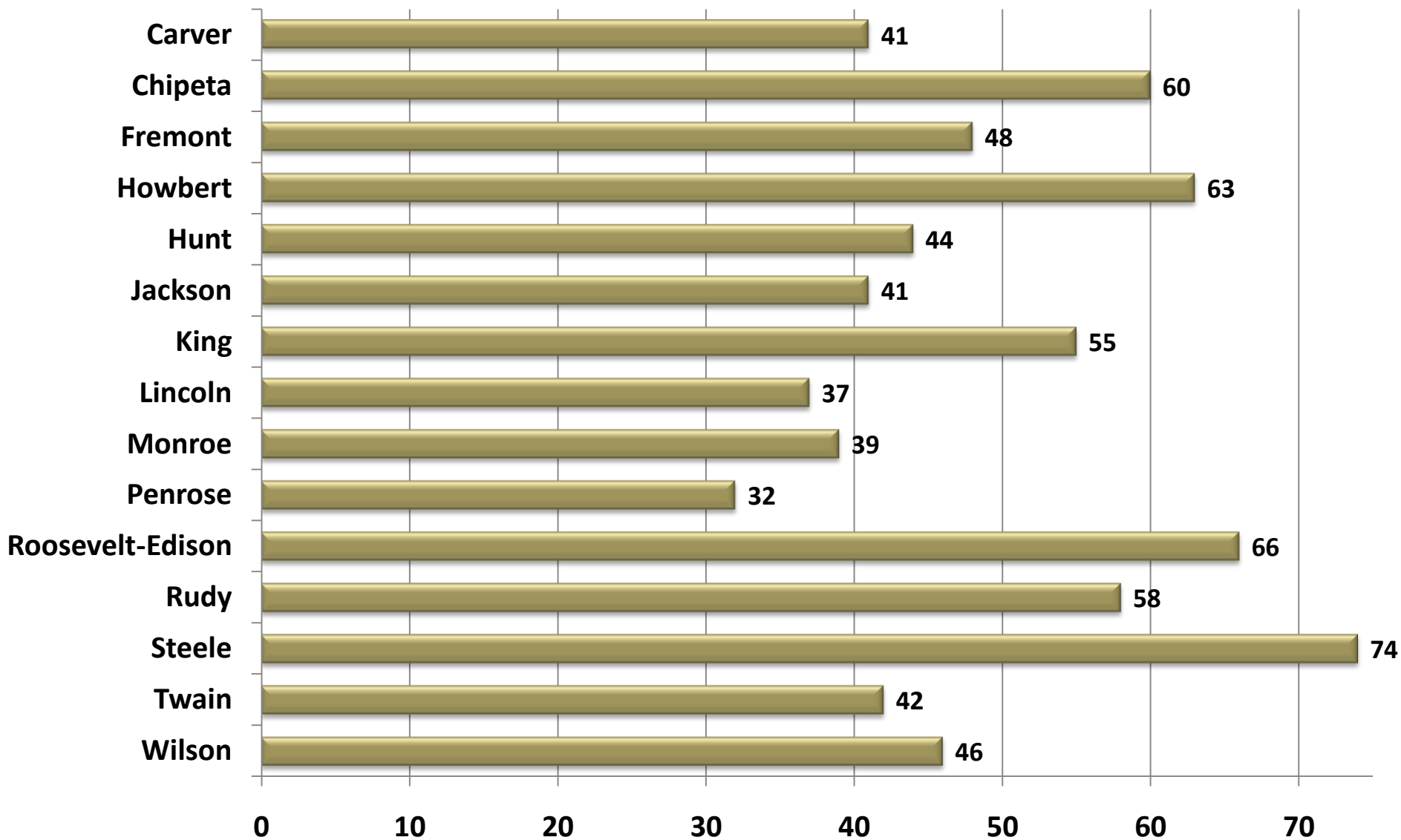
Elementary Schools 2007 – 2009

(non-Everyday Math programs)

- The average of these 10 percentiles is the 48th percentile.
- 40% of these schools are above the state median of the 50th percentile, and another 40% are very close.
- The 10 schools represented have 3 complete years of median growth percentile data using the same program.

Average CSAP Median Growth Percentiles

Elementary Schools 2007 – 2009 (Everyday Math)





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Average CSAP Median Growth Percentiles

Elementary Schools 2007 – 2009

(Everyday Math Program)

- These schools have 3 complete years of median growth percentile data using the Everyday Math program.
- The average of these 15 percentiles is the 50th percentile.
- 40% of these schools are above the state median of the 50th percentile; with 2 schools averaging high growth and 2 very close to high growth.



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Improving Support for Student & Teacher Learning

- Alignment
 - Guaranteed and viable curriculum
 - Horizontal & vertical alignment
 - Common assessments
 - Operational efficiency & fiscal prudence
 - Revised state standards



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Improving Support for Student & Teacher Learning

- Instruction
 - Professional development
 - Support structures
 - District-wide Professional Learning Communities



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Improving Support for Student & Teacher Learning

- Learning & Achievement
 - Developing understandings & skills
 - Monitoring progress & determining response
 - Delivering interventions & support
 - Communicating & engaging parents



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Monitoring & Measuring

- Adherence to district alignment
- Professional development
- Monitoring progress & response to data



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Producing Prepared Math Graduates

