Promoting Physical Activity in Schools: Thriving Schools Initiative Results

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Thriving Schools Evaluation Team

Kaiser Permanente

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Overview and Context

Colorado

- Colorado does not require PE at any grade
- House Bill 1069

Kaiser Permanente Colorado

- Social mission to improve the health of our members and communities we serve
- Increase physical activity and provide support to schools



Thriving Schools Initiative

- Support professional development for teachers and staff; resources to enhance physical activity
- Goal: schools provide at least 30 minutes of PA/day



Evaluation Question: How many schools comply with House Bill 1069?

Classroom Minutes

- Teachers selfreported
- Reported # of minutes, # of students, type of activity

 20-30% of teacher's were selected to participate each week Before & After School Minutes

- School Wellness Coordinators self-reported
- Reported # of minutes, # of students and grade, type of activity

PE & Recess Minutes

- School schedules reviewed
- Documented # of minutes of recess/day, # of school days, # of minutes of PE/day, # of days PE offered

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Classroom Physical Activity (PA) **Minutes Calculation**

Sum of all teachers' daily **PA** minutes





Each school's minutes/day

B/A minutes provided (same for **PE/recess**)



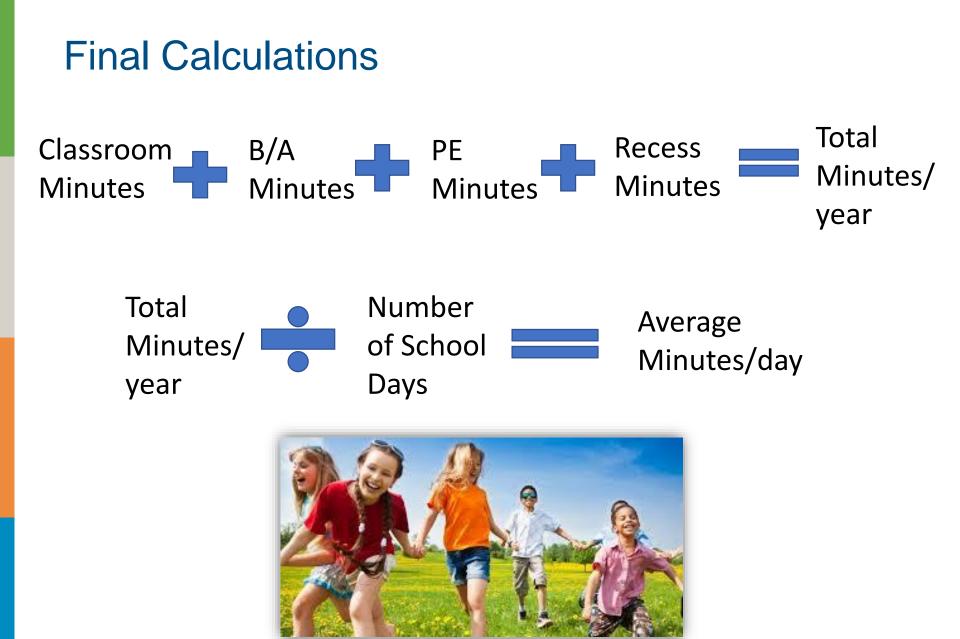
of days offered



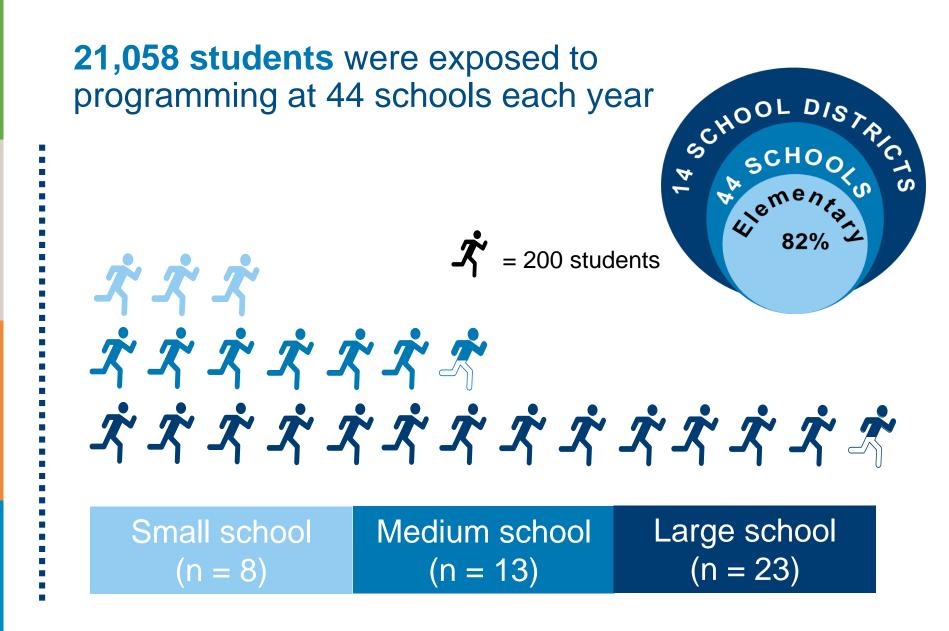
B/A minutes per/year (PE/Recess minutes per/year)

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Physical Activity Minutes Per Day Significantly Increased Year to Year



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Do Schools Comply with House Bill 1069 by Year 3?

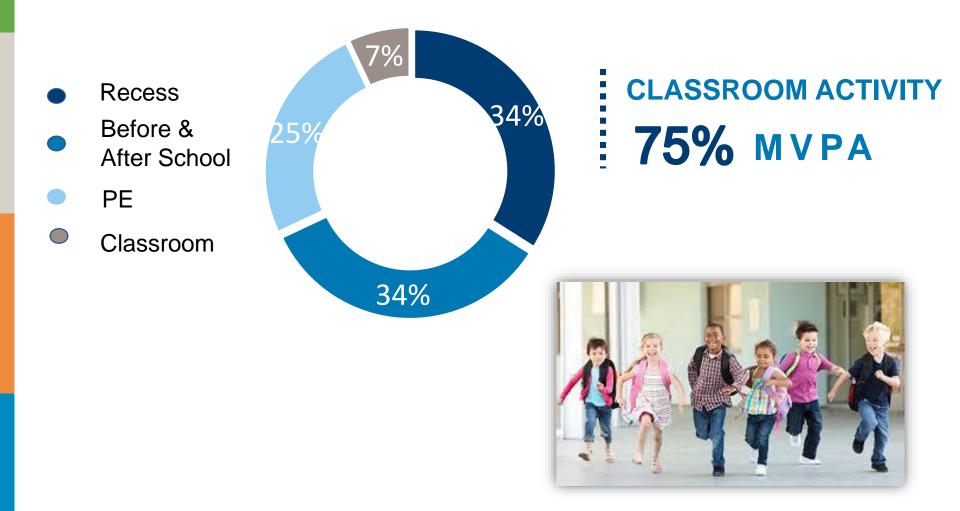
Are Schools Providing Enough Minutes to Meet Youth PA Recommendations?

100% of schools provided 30 minutes of PA per day

86% of schools provided 60 minutes of PA per day



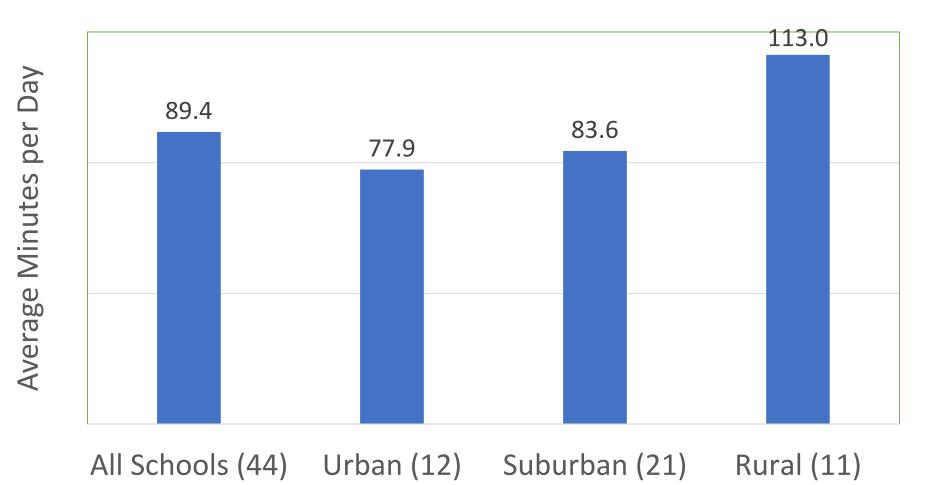
The Greatest Number of PA Minutes are Provided in Recess & Before/After School Programs



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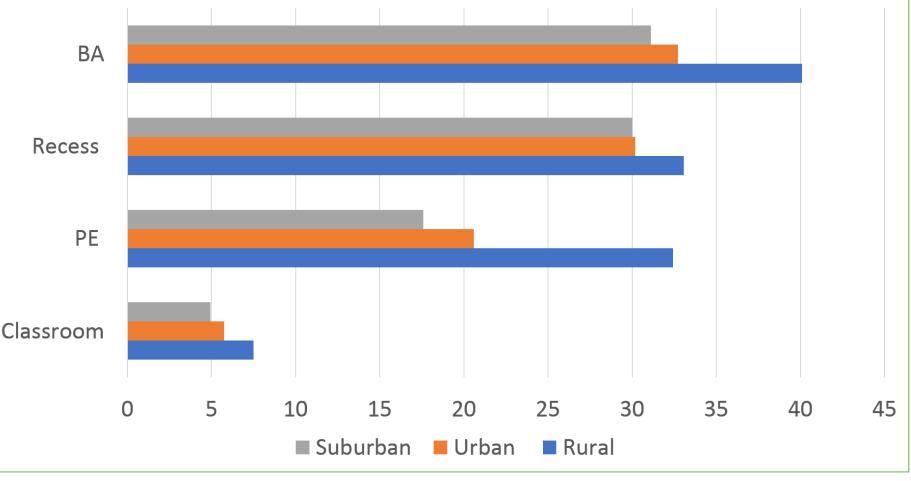
Rural Schools Provided More PA Minutes



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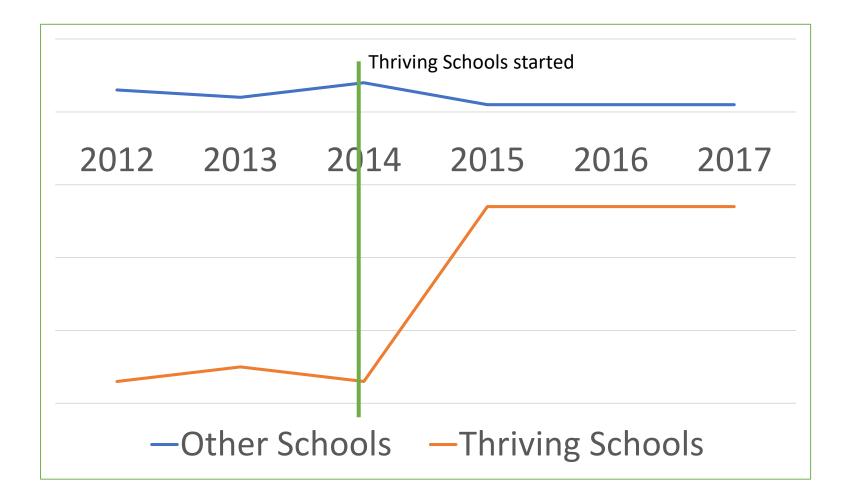
Rural Schools Provided More PA Minutes Across all Time Periods



Average Minutes per Day



Thriving Schools Significantly Increased Math and Reading Scores (z scores)





Thriving Schools Compared to Other CO Schools

	Thriving Schools Schools (n=44)	SMART Source Schools (n=401)
Physical Education Minutes Goal: 150 minutes/week	111 minutes per week	82 minutes/week
Recess: Goal 30 minutes/daily	31 minutes/daily	29 minutes/daily
Classroom physical activity breaks (y/n)	100% report providing	92% report providing
Before & after school physical activity (y/n)	98% report providing	54% report providing



Conclusions

- Physical activity minutes significantly increased from year to year
- Academic achievement significantly increased from year 1 to year 2
- All schools are now complying with House Bill 1069
- Most providing enough minutes for youth to meet public health recommendations
- Funding is really important for professional development (including paying substitute teachers) and ensuring administrative buy in will facilitate success
- Staff turnover is the biggest challenge to sustainability

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