

## Thriving Schools Evaluation Team

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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


# Classroom Physical Activity (PA) Minutes Calculation 

Sum of all
teachers' daily $\quad$ \# of school
days

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)

## Final Calculations

| Classroom | B/A | PE | Recess |  |
| :---: | :---: | :---: | :---: | :---: |
| Minutes | Minutes | Minutes | Minutes | Minutes/ year |


| Total $\quad \bigcirc$ | Number <br> of School <br> Minutes <br> year$\quad$Days | Average <br> Minutes/day |
| :--- | :--- | :--- |



21,058 students were exposed to programming at 44 schools each year


Small school ( $\mathrm{n}=8$ )

Medium school

$$
(n=13)
$$

Large school

$$
(\mathrm{n}=23)
$$

Physical Activity Minutes Per Day Significantly Increased Year to Year

90 minutes (range 44 - 236)

47 minutes (range 0-135)

Average Minutes per Day

Year 1
Year 2

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

- Recess
- Before \&

After School
PE
Classroom


## Rural Schools Provided More PA Minutes



All Schools (44) Urban (12) Suburban (21) Rural (11)

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


## Questions/Comments? cheryl.kelly@kp.org

