Making Physical Activity Policy Practice

GROUP RANDOMIZED CONTROLLED TRIAL IN AFTERSCHOOL PROGRAMS

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Policy to Practice in Youth Programs

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Focus on physical activity in Out-of-School-Time (OST) programs

Afterschool programs (3-6pm)

Non-sport or single activity focused
Serve Snacks, Homework, Enrichment, Physical Activity

Operate everyday of school year

10.2 million youth attend

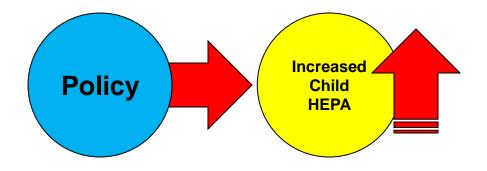


Physical Activity Policies in OST Programs

Amount of physical activity accumulated

Amount of PA to schedule





How we think policy works



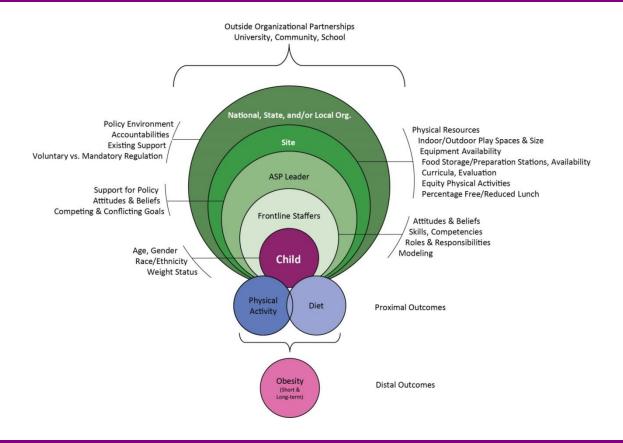
Policy is necessary, but... alone it's insufficient

"Best" Policy
Nexus of <u>public health impact</u> and what <u>practice can deliver</u>

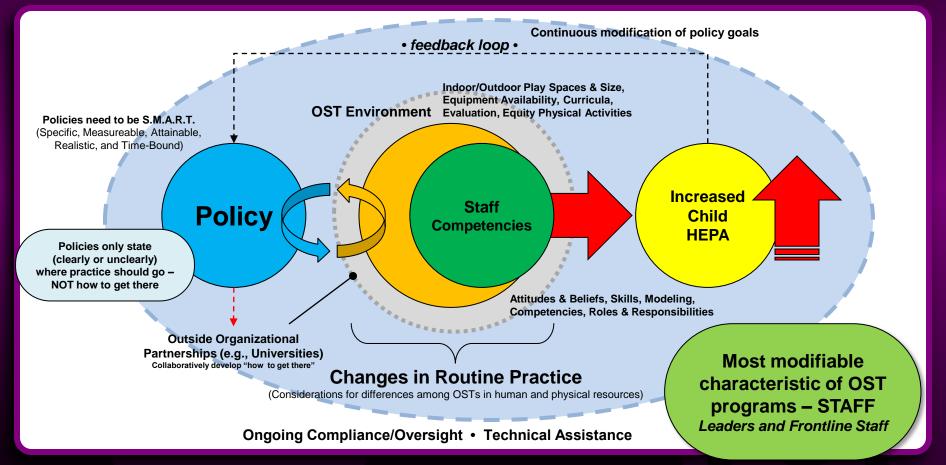
(given a realistic amount of resources)

Policy is adopted,
Strategies are implemented to reach specified policy goals





OST Programs more complex than simply adding policy to make changes



How policy "actually" works, maybe...

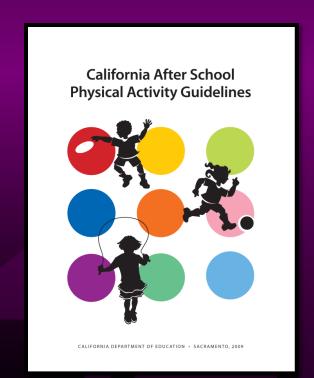


Physical Activity Policies in OST Programs

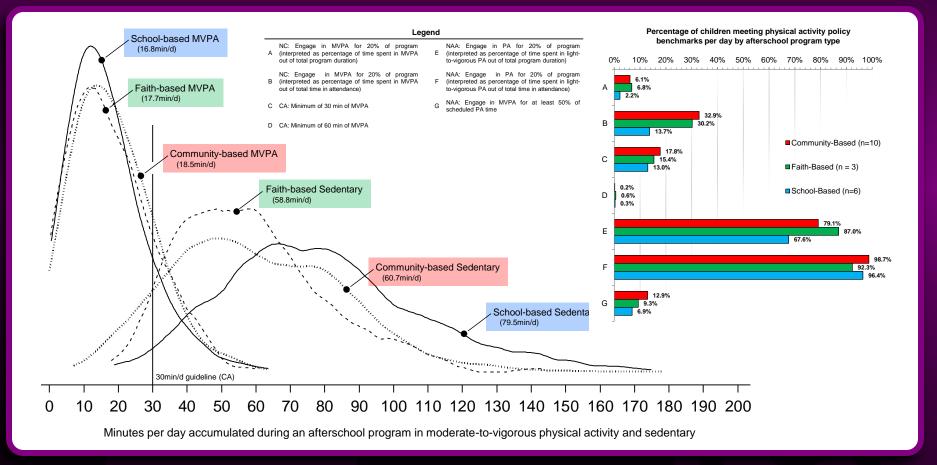
Schedule 60min PA Opportunities daily

Children accumulate 30min MVPA

Practice can't do it!







Children attending ASPs fail to accumulate 30min MVPA/day



Research Design and Methods

- Group randomized controlled trial
 - 20 ASPs serving >1,700 children (5-12yrs)
 - Diverse settings school, community centers, faithbased
 - Randomized post-baseline data collection

- Baseline (spring 2013)
- Training August 2014, Boosters Fall 2014
- Post (spring 2014)
- Accelerometer-derived MVPA
 - Evenson cutpoints
 - % Children meeting 30min/d
 MVPA guideline
 - Minutes of MVPA



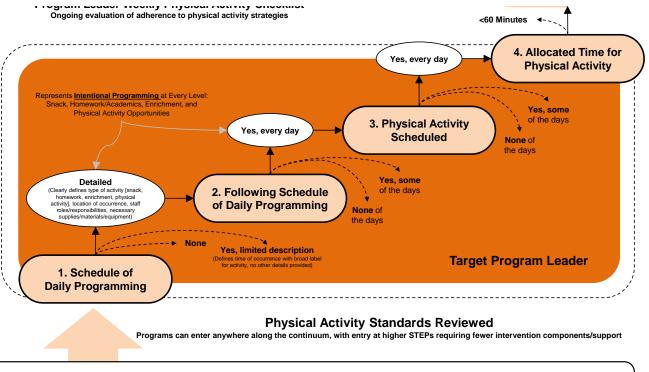
PHYSICAL ACTIVITY POLICY GOALS Children Accumulate 30 Minutes of Moderate-to-Vigorous Physical Activity while the Program is in Operation Organized Activities LET US Play Team Size Target **Program Staff** Target Program Leader 6. Staff Physical Activity-related Skills P2P Face-to-Face and Online Program Leader Weekly Physical Activity Checklist 4. Allocated Time for Yes, every day of Daily Programming Target Program Leader

Strategies To Enhance Practice for Physical Activity

ALL BLEMENTS ARE EMBEDDED WITHIN AND ARE RESPONSIVE TO EACH LINIQUE PROGRAM ENVIRONMENT

Framework for Practice to Meet Policy - Maslow's Hierarchy of Needs, Capacity Building

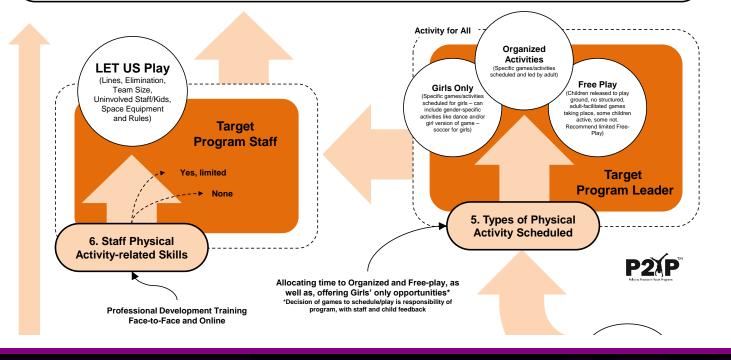
Physical Activity Standards Reviewed



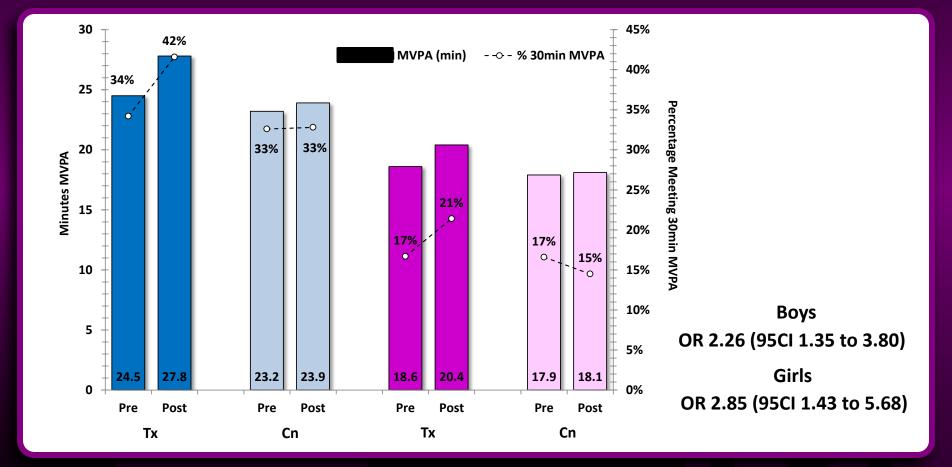
Strategies To Enhance Practice for Physical Activity

ALL ELEMENTS ARE EMBEDDED WITHIN AND ARE RESPONSIVE TO EACH UNIQUE PROGRAM ENVIRONMENT

Children Accumulate 30 Minutes of Moderate-to-Vigorous Physical Activity while the Program is in Operation

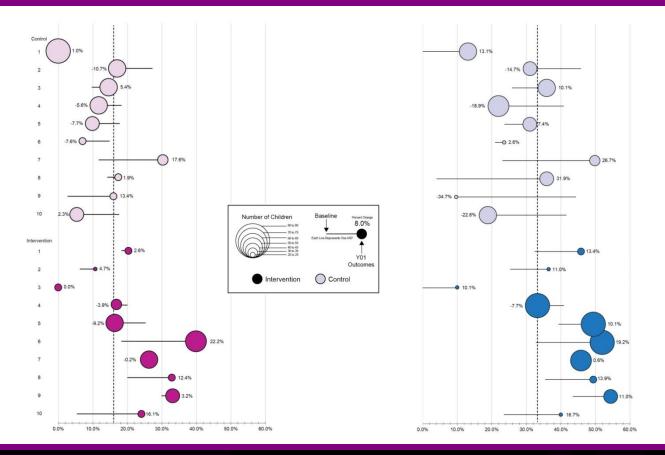


Framework for Practice to Meet Policy - Maslow's Hierarchy of Needs, Capacity Building



Effectiveness of STEPs to PA – 1st Year MVPA Outcomes

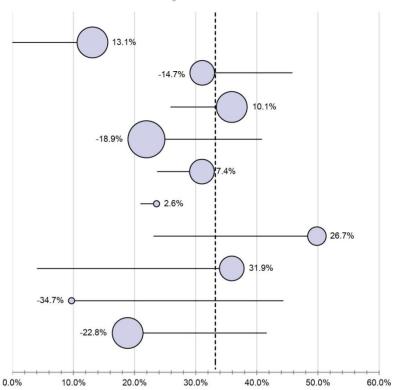


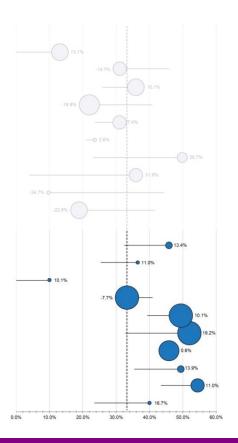


Effectiveness of STEPs to PA – 1st Year MVPA Outcomes



Control ASP Boys: 5 of 10 increase

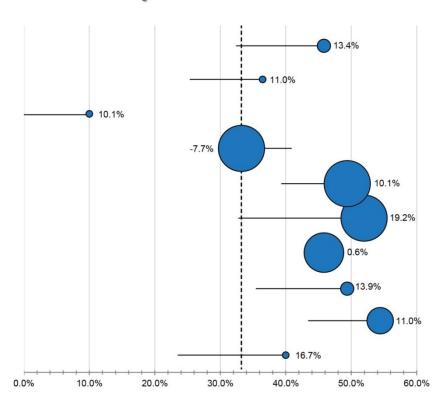


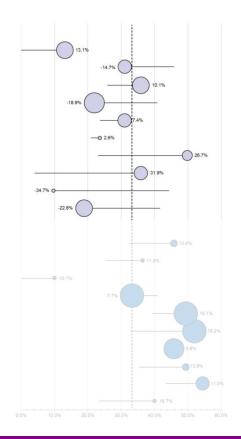


Effectiveness of STEPs to PA – 1st Year MVPA Outcomes



Tx ASP Boys: 8 of 10 increase

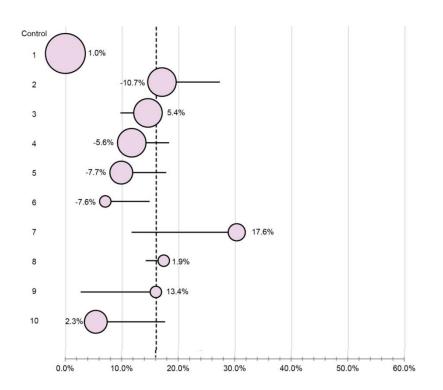


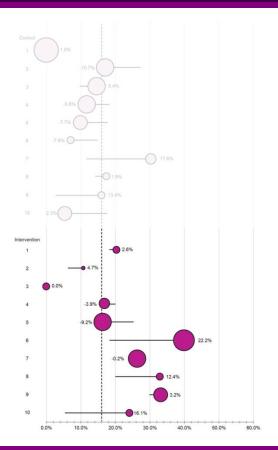


Effectiveness of STEPs to PA – 1st Year MVPA Outcomes



Control ASP Girls: 4 of 10 increase

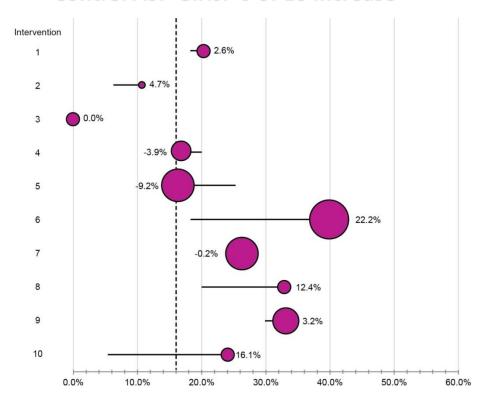


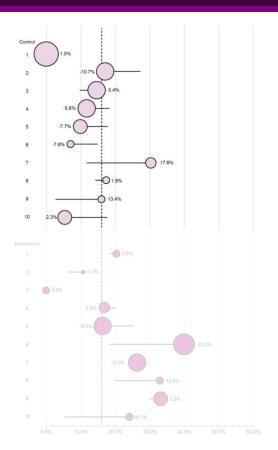


Effectiveness of STEPs to PA – 1st Year MVPA Outcomes



Control ASP Girls: 6 of 10 increase





Effectiveness of STEPs to PA – 1st Year MVPA Outcomes



Take Away

- Improving MVPA in ASPs is difficult but not impossible
- 30min MVPA realistic?
 - 3-2-1, 30-20-10min MVPA (school, ASP, home)
- Diversity of programs if it can happen here, it can happen anywhere
- 2 Year outcomes (spring 2015)
 - 2 years of implementation vs. 1 any better?



Thank you

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