

AN EASY AND FUN WAY TO BUILD ACTIVITY INTO YOUR DAY

Dr. Toni Yancey, Dr. Melicia Whitt-Glover, Jammie Hopkins, Chikarlo Leak Active Living Research Conference 2012

OVERVIEW

- \bullet Instant Recess® 101
- ${\rm \circ}$ How to create an Instant Recess® break
- Get moving!

LEARNING OBJECTIVES

• By the end of the workshop, attendees will be able to identify at least:

- 3 benefits of short physical activity breaks
- 4 basic components of an Instant Recess® break
- 2 strategies for implementing Instant Recess® breaks into settings that you frequent

INSTANT RECESS 101

Obesity Trends* Among U.S. Adults BRFSS, 1990, 2000, 2010 (*BMI \geq 30, or about 30 lbs. overweight for 5'4" person) 2000 1990 2010

Source: Behavioral Risk Factor Surveillance System, CDC

No Data

<10% 10%-14%

15%–19%

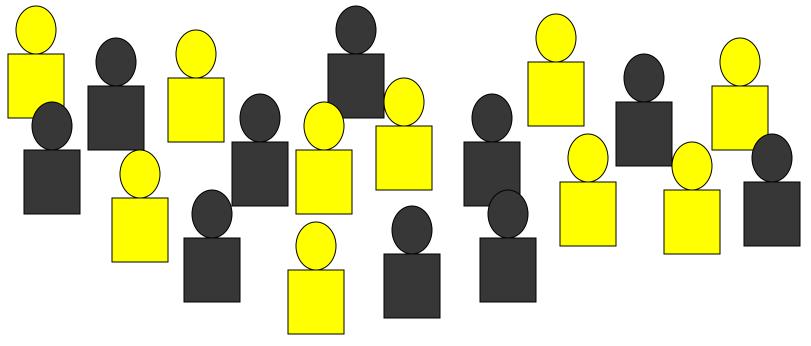
20%–24%

25%–29% ≥30%

AVERAGE # CALORIES BURNED DAILY Hunter-gatherers 5000 cal **1** million yrs ago 6000 cal 10,000 yrs Agriculture ago 3000 cal Laborers 1915 **1800 cal** Office Workers 2000

WHO IS PHYSICALLY ACTIVE?

- Staying active gets harder as we get older! We have to work long hours, our work clothes make it harder to move around, and we have to sit through long meetings.
- Only 50% of children, 10% of teens, and <5% of adults meet the daily recommended requirements of physical activity*



How Active Should I Be?

According to the national guidelines:

• Children need at least

• 60 minutes of moderate to vigorous physical activity every day

• Adults need at least

- 75 minutes of vigorous physical activity per week
 OR
- 2 hours, 30 minutes (150 mins) of moderate physical activity per week
 - AND
- 2 days of muscle strengthening per week

ENVIRONMENTAL FACTORS IN OBESITY ISSUES

Food Environment Physical Environment Social Environment

ENVIRONMENTAL CHANGES FOOD ENVIRONMENT



• Changing Food Sources

- Home-cooked meals has been replaced by fast food and pre-packaged foods
- Fast food chains are often more convenient and cheaper than grocery stores, and sometimes the only option in low-income neighborhoods
- Prepackaged snacks are everywhere, even at gas stations and drugstores

• Changing Portion Sizes

• Portion sizes have increased, both at home (e.g., larger dinner plates and bowls) and outside of the home (e.g., supersized options for a few cents more)

ENVIRONMENTAL CHANGES PHYSICAL ENVIRONMENT

• Outdoor Space



- Many neighborhoods lack safe places to play or exercise, so residents tend to stay indoors
- Not all parks and playgrounds are well-maintained or available for public use
- Sidewalks are not always well-maintained or even
 available for walkers

• Transportation

- Driving is viewed as more convenient than walking
- Bus stops are not always conveniently available
- Bicycle lanes are not always well-marked or safe to share with either moving or parked cars

ENVIRONMENTAL CHANGES SOCIAL ENVIRONMENT

• Electronics



- Gadgets designed as "time savers" reduce potential sources of activity in our lives, from dishwashers to elevators and escalators
- Many tasks are now done by computer, so you don't need to leave home to send letters, do research, shop, watch movies, play games, and order takeout

• Marketing

- Ads for fast foods, video games, cars, are everywhere from billboards to magazine ads to TV and internet commercials
- Ad campaigns often target minority groups or low-income neighborhoods
- Fast food meals are often paired with toys to market to children



WHAT IS INSTANT RECESS®?



WHAT IS INSTANT RECESS[®]?



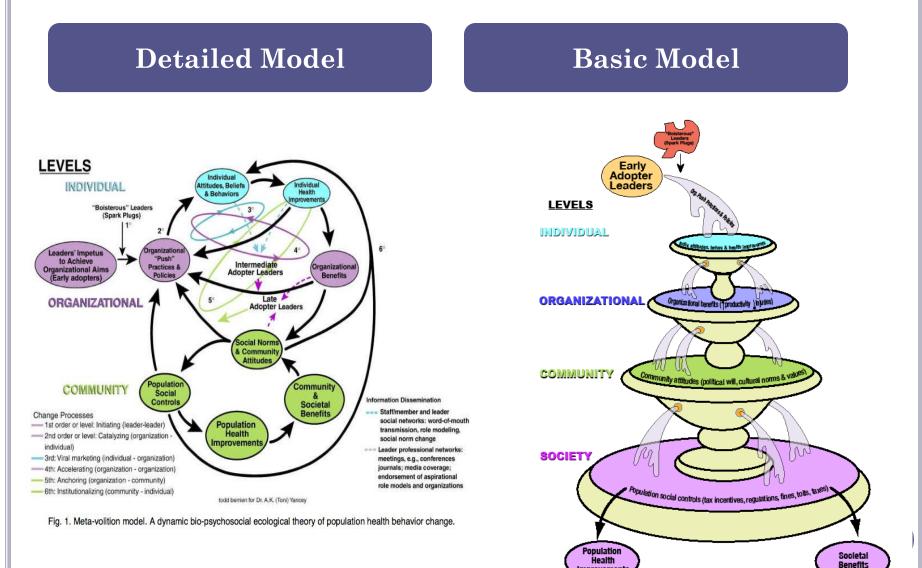
- Instant Recess[®] is a 10-minute low-impact physical activity break that consists of:
 - 7 8 aerobic-based callisthenic, dance, or sports related movements
 - Upbeat, rhythmic music set at a moderate pace.
- Tailored to represent cultural values and assets, popular sports, and setting-specific elements
 - e.g. California Endowment "Here and Now" IR
- A "low-maintenance" physical activity strategy:
 - Low-cost (both money and time)
 - No change of clothes necessary
 - Can be modified to meet specific needs of an individual or organization.
 - Can be used anytime, anywhere, by anybody



BASIC STRUCTURE OF AN INSTANT RECESS® BREAK

- IR Breaks are designed to maximize energy expenditure
 - Moves engage large muscle groups in the upper and lower body.
- IR Breaks are choreographed to be "do-able" for all ages, body types, and levels of coordination
 - Each move is easy to learn, so that everyone can participate.
 - Modifications available to tailor each move to your level, and personal flair is highly encouraged!
- IR breaks are designed to minimize risk of injury
 - Your neck, back, and knees are protected to avoid injury

YANCEY META-VOLITION MODEL



mprovemen

HOW DOES INSTANT RECESS® WORK?

• Creates opportunity on "paid time"

- Gives employees a brief mental and physical break from the work day
- Provides a boost of energy during the "midafternoon slump"

• Also encourages changes to improve the food environment at work

• With increased energy from taking daily recess breaks, healthier snacks will taste better.

• Employs multiple levels of influence:

- "Deliberate Practice"
- Social Support and Group Dynamics
- Motivational "teachable" moment





WHY DOES INSTANT RECESS® WORK?

• Minimal Cost

- For companies, minimal cost of time and money
- For employees, ability to use paid time to "recharge"
- The return on investment in terms of employee productivity is often greater than the time invested

• Made for Groups

- Group setting provides social support to engage in healthy behaviors
- Group setting also provides time to improve employee relationships and boost morale

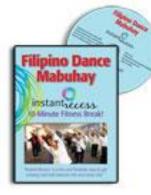
• Reduces Barriers to Activity

- Initiated as a "default" activity rather than a "voluntary" option.
- Adjustable for all shapes, sizes, abilities, and fitness levels
- Minimizes perspiration, so prevents messing up hairstyles or work clothes





THE INSTANT RECESS® LIBRARY IS GROWING RAPIDLY!







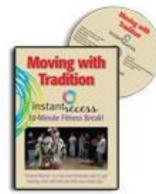


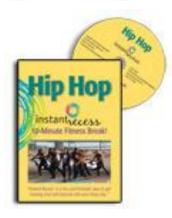












...and more!

DOCUMENTED HEALTH BENEFITS OF INSTANT RECESS

10-minute activity bouts at the workplace can:	References
igstarrow waist line, blood pressure, weight, and percent body fat	Lara et al. ¹
↓ appetite	Westerterp et al. ⁴
↓ urge to smoke	Daniel et al ³
igstarrow stress and irritability	Pronk ⁶ , Daniel ³
igstarrow harmful effects of prolonged sitting	Pynt, Hamilton ^{10,11}
个 speed and accuracy of data-entry	Balci, Aghazadeh ²
↑ engagement inactive individuals	Dishman et al. ⁹
↑ mood, self-efficacy; self-esteem; perception of health	Pronk, Thomas ⁵
↑ fruit and vegetable intake, healthy food options	Yancey ⁷ ; Crawford ⁸
↑ overall vigorous physical activity	Dishman, Yancey, ^{9,12}
↑ supportive work environment	Crawford et al. ⁸
↑ energy levels	Yancey et al. ¹²

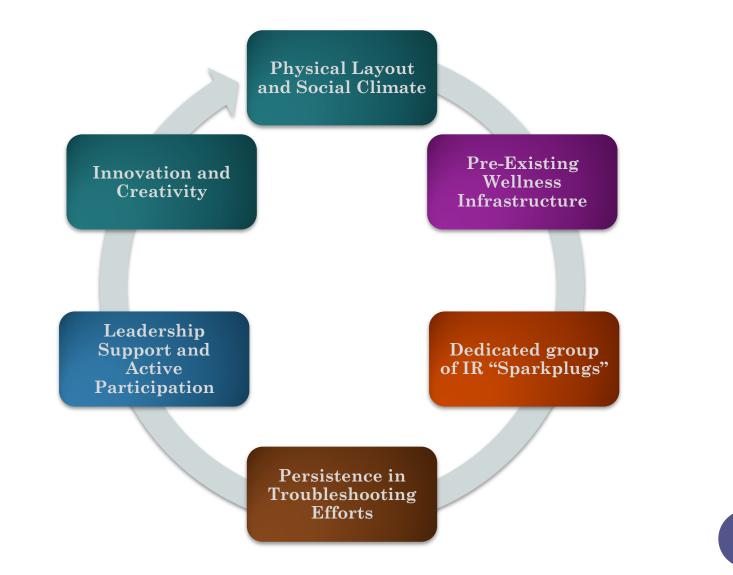
Instant Recess® videos can be done in groups, which is more engaging and productive

INSTANT RECESS® SUCCESS STORIES

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- Hundreds of worksites, schools, churches, clinics, and private non-profit organizations across the United States have implemented *Instant Recess*[®].
- Nearly **all** sites encountered some challenges or resistance to changing the culture of their site to make room for Recess!

COMMON FACTORS OF INSTANT RECESS SUCCESS STORIES



Hopkins et al (2012). Implementing organizational physical activity and healthy eating strategies on paid time. *Health Education Research*. Available at http://her.oxfordjournals.org

INSTANT RECESS® IN FORSYTH COUNTY SCHOOLS

Forsyth County, NC

Community-Based Dissemination of Instant Recess Breaks

- Goal: Evaluate planned policy change for PA in elementary schools and afterschool sites
 - TA through teacher training & provision of IR materials
 - 7 elementary schools & 8 after schools enrolled
 - Randomized (delayed intervention control)
 - PA measured using modified SOFIT to capture
 Activity level
 - ${\rm o\,On\text{-}task}$ vs. off-task behavior
 - Context of lesson being taught
 - Teacher behavior



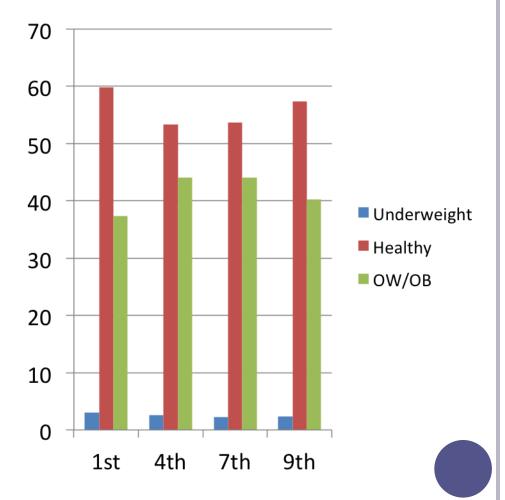
• Schools are prime targets for interventions to increase PA among children since 95% of children are enrolled in school.

• Attendance enforcement ensures high levels of exposure.

• The organizational infrastructure permits institutionalization.

WHY FORSYTH COUNTY, NC

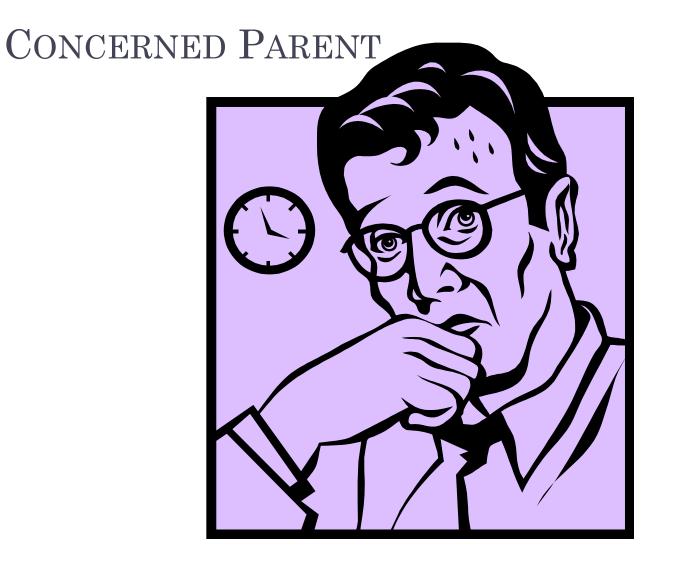
- 16th most obese state among adults
- 5th most obese state among children
- ~40% of children in WSFCS school system OW/OB



DOCUMENTED POLICY

- NC State Board of Education Healthy Active Children Policy (HSP-S-000)
 - Establish and maintain a local School Health Advisory Council
 - Provide ≥ of 150 minutes/week of [moderate-to-vigorous] physical activity to all K – 8 students.
 - Move toward having 225 minutes per week of physical activity (every other day throughout 180-day school year)

Full policy available at http://www.learnnc.org/lp/media/articles/physed0 510/Final_HAC_Policy.pdf







How to get In



Winston Salem/Forsyth County Schools (WSFCS)

Dr. Donald L. Martin WSFCS Superintendent of Schools

Local School Health Advisory Council

Nancy Hoover

WSFCS Health and Physical Education Program Specialist

WSFCS Elementary School Principals and Staff



INSTANT RECESS[®] TEACHER TRAINING







OVERVIEW OF THE TRAINING

- Why am I here?
- Why is this important?
- What do you want me to do?
- How do you want me to do it?
- When do you want me to do it?
- What is supposed to change?

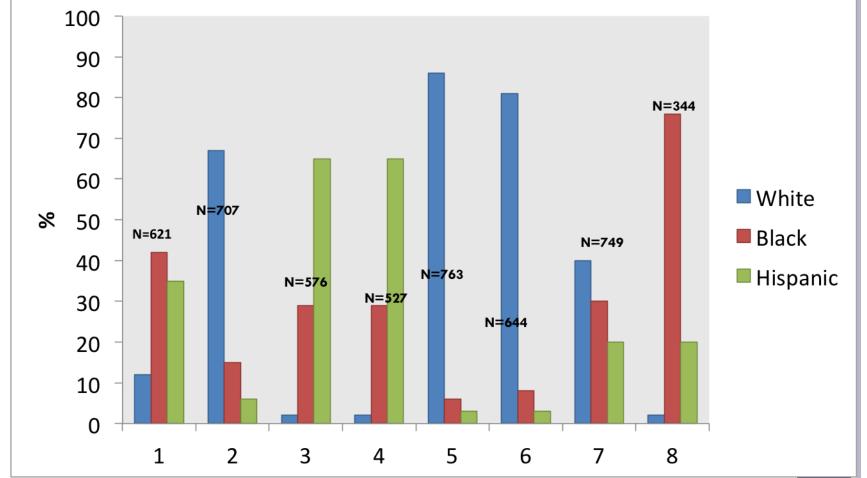


• YOU can help Winston-Salem/Forsyth County lead the way in creating healthier, more active school and afterschool environments and lifestyles!

"You must be the change you wish to see in the world." -- Mahatma Gandhi

"Never doubt that a small group of thoughtful, committed citizens can change the world. Indeed it's the only thing that ever has!" --Margaret Mead

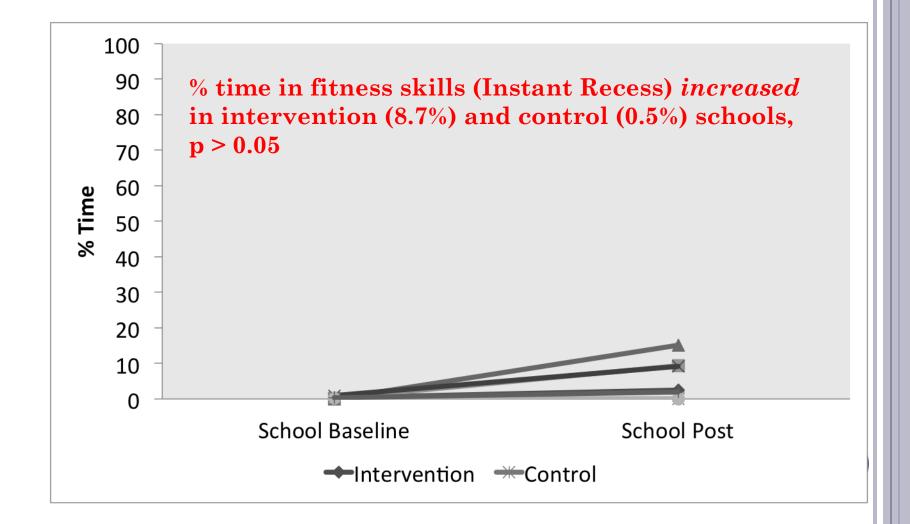
DEMOGRAPHICS FOR SCHOOLS



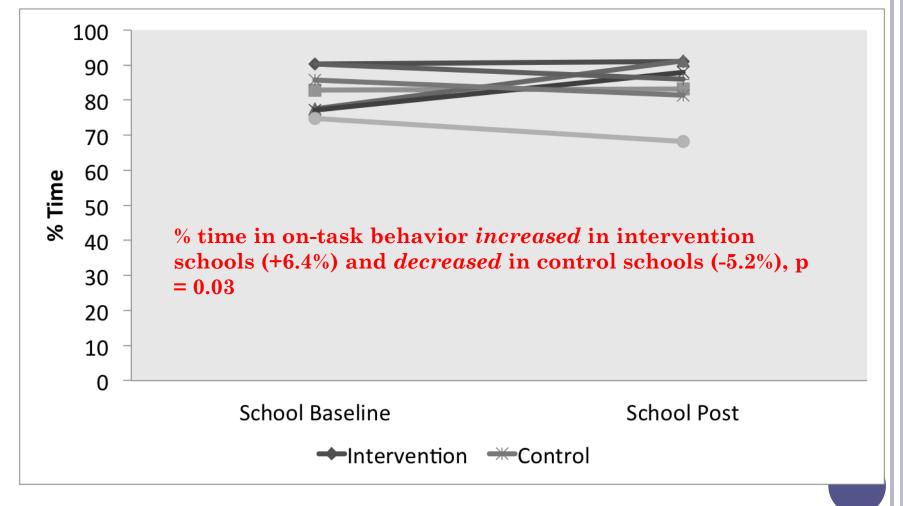
INSTANT RECESS ACTIVITY LEVEL OBSERVATIONS (Interval=20 seconds, time ≤ 32 minutes) ID_____ Obs. start/end_____

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MF	00:40	01234	On M N P	M K FS P	11:20 0 1 2 3	4 On M N P	M K FS P	22:00 0 1 2 3 4	On M N P	MKFSP
Avg	01:00	01234	On M N P	M K FS P	11:40 0 1 2 3	4 On M N P	M K FS P	22:20 0 1 2 3 4	On M N P	MKFSP
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Overwt	04:00	01234	On M N P	MKFSP	14:40 0 1 2 3		MKFSP	25:20 0 1 2 3 4	ONMNP	MKFSP
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Avg	06:20	01234	On M N P	MKFSP	17:00 0 1 2 3		MKFSP	27:40 0 1 2 3 4	On M N P	MKFSP
Overwt	06:40 07:00	01234	On M N P On M N P	M K FS P M K FS P	17:20 0 1 2 3 17:40 0 1 2 3		M K FS P M K FS P	28:00 0 1 2 3 4 28:20 0 1 2 3 4	On M N P On M N P	M K FS P M K FS P
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IL W	10:20	01234	On M N P	MKFSP	21:00 0 1 2 3		MKFSP	31:40 0 1 2 3 4		MKFSP
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-wanter y	2 light PA, standing N Off-task (noise) FS Fitness drills, skills Behavior K Knowledge lecture									
	3 mod. PA, brisk walk P Off-task (passive other) P Game play, free play O Observation 4 vigorous PA, run aE Actively engaged									neri
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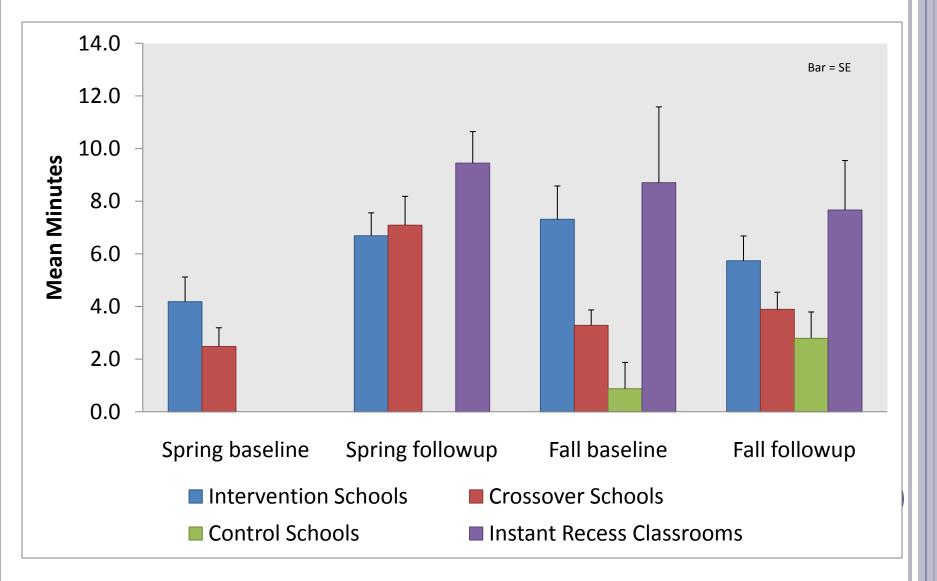
PERCENT OF TIME SPENT IN FITNESS SKILLS



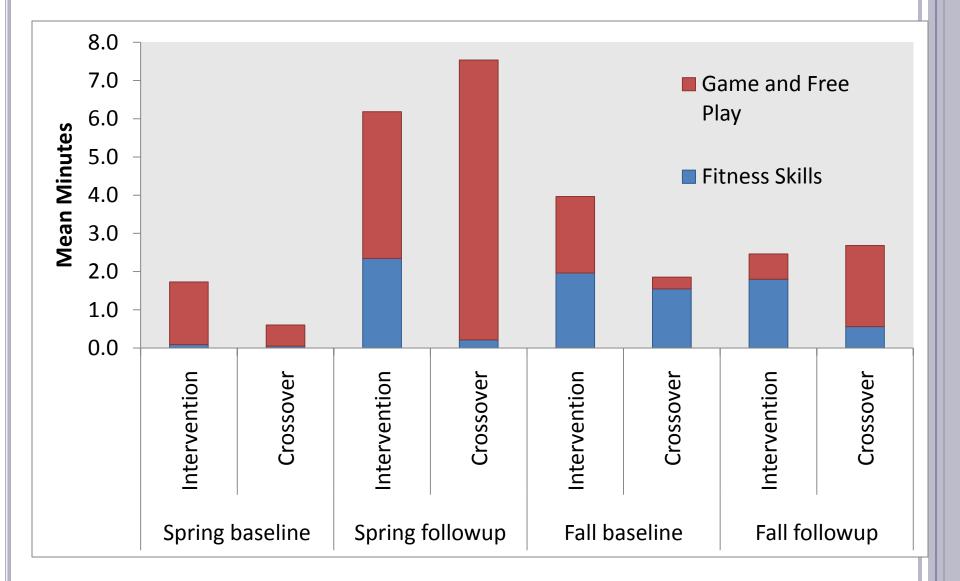
PERCENT TIME IN ON TASK BEHAVIOR



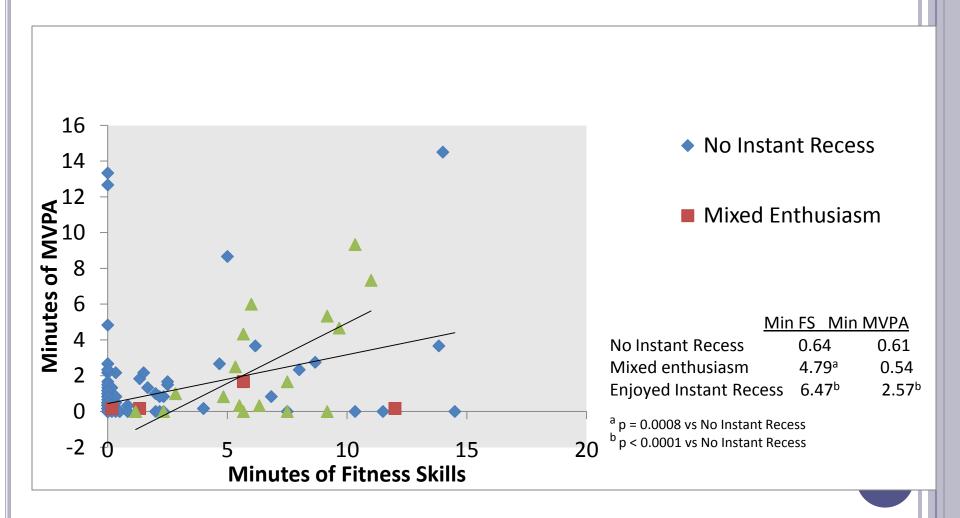
MEAN MINUTES OF PA IN SCHOOL CLASSROOMS BY INTERVENTION TYPE



MEAN MINUTES OF FITNESS SKILLS AND GAME AND FREE PLAY IN SCHOOL CLASSROOMS BY INTERVENTION TYPE



MINUTES OF FITNESS SKILLS AND MVPA IN CLASSROOMS BY LEVEL OF ENTHUSIASM FOR INSTANT RECESS



LESSONS LEARNED

• Having support is critical

- Dr. Martin, Superintendent of Schools
- Nancy Hoover, WSFCS Program Specialist for Physical Education/Health
- School Health Advisory Council
- School principals and staff

• Instant Recess was used

- Involve students in creating additional breaks
- Need additional, more frequent evaluation
- Consider ways to expand for middle/high school



RECENTLY TESTED IN MIDDLE SCHOOL KIDS



CREATING AN IR® BREAK

LEARN THE ABCS OF INSTANT RECESS[®]

What are the ABCs?

• Activity Level

- Low or moderate impact
- Modifications for less/more agile and coordinated individuals.

• Body Position

- Protect your neck and back
- Protect your joints

• Comfort Level

- Well-ventilated, open space
- Time to rehydrate and re-energize
- Focus on having FUN!!!!

Why are these ABCs so important?

• Safe movements and a comfortable setting makes activity breaks more enjoyable for everyone

B: BODY POSITION

- Protect your neck and back

- Bend from the hips (not the waist) so your back stays straight
- Neck movements should be gentle and avoid extreme movements in any direction
- Keep shoulders relaxed

- Protect your joints

- When bending down, keep knees behind toes (and tailbone out)
- Avoid locking knees or elbows (keep movements gentle and fluid)
- Keep feet shoulder-width apart during most movements to provide a stable base

FOUR BASIC COMPONENTS OF IR® BREAK

- Warm Up
- Transition Steps
- Activity
- Cool Down

KEEN INSTANT RECESS TOOLKIT

INSTANT RECESS®







INSTANT RECESS® TOOLKIT

PART I THE CASE FOR RECESS I. A Letter from KEEN A brief introduction to the Instant Recess® program for company management

2. Recess Heads Up Powerpoint Use this presentation to get Management up and moving

3. Recess Cost Benefit Calculator A way to safely estimate the yearly tab and earnings for work playtime

4. Sample Press Release Examples of ways other companies have gone public with their Instant Recess® programs

PART II HR TOOLKIT I. Instant Recess[®] Kickoff Chock full of program highlights

2. Manager Reality Check A gut-busting fact sheet no HR manager should miss

3. Recess Readiness Quiz Your quiz to find out how much your company needs Recess

 A Step-by-Step Guide to Bringing Recess Back An implementation guide to getting Recess in play at your workplace

5. Recess Jump Starter Your quick-start plan for putting Recess into action

CEO = GREEN HR = ORANGE EMPLOYEES = BLUE

6. Instant Success Factors Tips for Instant Recess[®] success in any workplace

7. Recess Score Board A group log for managers to track Recess participation

8. Recess Playground Monitor A log to track company morale, health and insurance stats related to Recess performance

9. Want More? Additional tools for your Instant Recess®

PART III EMPLOYEE TOOLKIT I. Employee Reality Check A convincing fact sheet to get employees on their feet

2. Recess Activity Videos Available for download on our website KEEN Says Instant Recess* Bidness Bootscoot Instant Recess* CalEndow Here & Now Instant Recess* African Dance Instant Recess*

3. Personal Recess Score Card A place for employees to track their activity breaks

REMINDER MATERIALS Fun ways to get employees in the Recess spirit At Recess Sign Recess Pass Screensaver (downloadable) Recess Galendar Breakroom Posters (11" x 17") 10 Ways To Get Your Recess Moving Poster (11" x 17")

INSTANT RECESS COST BENEFIT CALCULATOR



	RECESS COST BENEFIT CALCULATOR ESTIMATE YOUR RECESS SAVINGS		A SMALL PRICE FOR EMPLOYEE WELLNESS. MANY HEALTH RETURNS. The short-term and long-term benefits of Recess will have a significant return on investment through employee health, happiness and productivity. How much will you spend on employee wellness? Let's start with 10 minutes a day.
	# of Employees Avg Hourly Wage Avg Hours/Week Industry Type Recess Will Be Estimated One Year Savings	White Collar Mandatory Voluntary	CETINOLUCION Corporate ToolKIt Tools and resources for your own recess program

http://calculator.keenfootwear.com

INSTANT RECESS COST SPREADSHEET instant A D н N 0 R The Recess Revolution Corporate Toolkit Estimate the Return on Investment of 10-Minute Instant Recess® Breaks in your Organization! Change the characteristics in yellow cells to reflect your workplace, and watch the GREEN add-up! Enter the number of employees here Enter Average Hourly Wage here Enter Average Number of Hours Worked per Employee (A typical work week is 40 hours) **RE-ENTER** your workplace or organization information here Industry Type (Manufacturing, White Collar, Service, Government, Other) Would you make Instant Recess Mandatory or Voluntary? Total Payroll Based on what you reported above, your company is likely to have: Number of Overweight Workers (Body Mass Index over 25) Number of Obese Workers (BMI > 30) Number of Morbidly Obese Workers Population Characteristics Start-Up Costs Recurring Costs Medical Savings Productivity Savings Total Savings Training Staff to Decrease in the Decrease in the Lead Instant Cost of 15 Reduction in Presenteeism Performance By implementing Number of Decrease in the Number of LCD Projector, DVD Recess (1 active minutes per day Cost of DVD Medical Costs (reduced on-the-Enhancement Reduction in sick Instant Recess, the Number of Obese Morbidly Obese Player, Speakers, Overweight trainer per 20 in physical updating for (1% change (cognitive, days by 20% (\$ net benefit to your job Workers (%) Workers (%) Workers (%) and DVDs employees) activity (wages) trainers categories) attentiveness) musculoskel.) based on wages) organization is: After 3 months \$15 After 6 months \$0 \$30 \$0 \$0 \$0 After 12 months #N/A #N/A #N/A \$0 \$0 \$60 #N/A \$0 \$0 SO. #N/A After 24 months #N/A #N/A #N/A \$120 #N/A #N/A \$0.00 after 3 months \$0.00 after 6 months Return on Investment per \$1 #N/A after 12 months #N/A after 24 months Notes: This calculator shows expected savings for organizations based on productivity increases, decreases in absenteeism, and worker health improvements. If the organization is larger than 50 employees, it is assumed that a TV, Monitor, Internet Connection, DVD, LCD and speakers are available to watch Instant Recess*. If there are 30-50 employees, an LCD projectorset-up is included in the costs. If there are fewer than 30 employees, it Further notes on methodology: Development of this calculator was supported by KEEN Footwear (KEEN, Inc.) Methodology Screencast=0=Matic.com

LET'S GET MOVING!



Introducing.....

The ALR "Pushin' Practices and Policies" Instant Recess Break!!! • Theme of ALR IR Break: Highlighting the policies and practices required to achieve active living.

• Choreography:

- Warm-up
- "Walk the Block" in Walkable Neighborhoods
- "Kick Start" the Policy Process
- Transition Move Two Step
- "Boisterous Leaders" Make some noise!
- "No KickBacks!" No compromises allowed!
- "Pushin' Strategies" A nudge in the right direction!
- INSERT MOVE HERE
- INSERT MOVE HERE
- INSERT MOVE HERE
- "Celebration" for full policy adoption and funding!!!
- Cool Down
- Your Task For Today: Help us finish the activity break!

LET'S GET MOVING!



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- Warm-up
- "Walk the Block" in Walkable Neighborhoods
- "Kick Start" the Policy Process
- "Climbing the Ladder" to reach key decisionmakers
- "Stand Up!" for what you believe in!
- Transition Move Two Step
- "Boisterous Leaders" Make some noise!
- "No KickBacks!" No compromises allowed!
- "Fighting for Policy" Fight for the progressive policies, and block the status quo!
- "Jump Right In" Test the waters and generate buzz!
- "Celebration" for full policy adoption and funding!!!
- Cool Down