

CHILE PLUS

Increase Exercise and Play Time with the CHILE Plus Curriculum

Patty Keane, MS, RD Renee Conklin, MS, RD Native American Child and Family Conference March 15, 2017





Objectives

- Identify physical activity recommendations for children in early childhood education settings.
- 2. Understand the importance of physical activity for children in early childhood and education settings.
- 3. Participate in age appropriate physical activities that can be used in the classroom.
- Identify strategies to include more physical activity during Head Start classroom time.



CHILE Plus Activity Break #1



Game Time #1
Warm Up-Stretches

Exercise Break #1
My Name Is



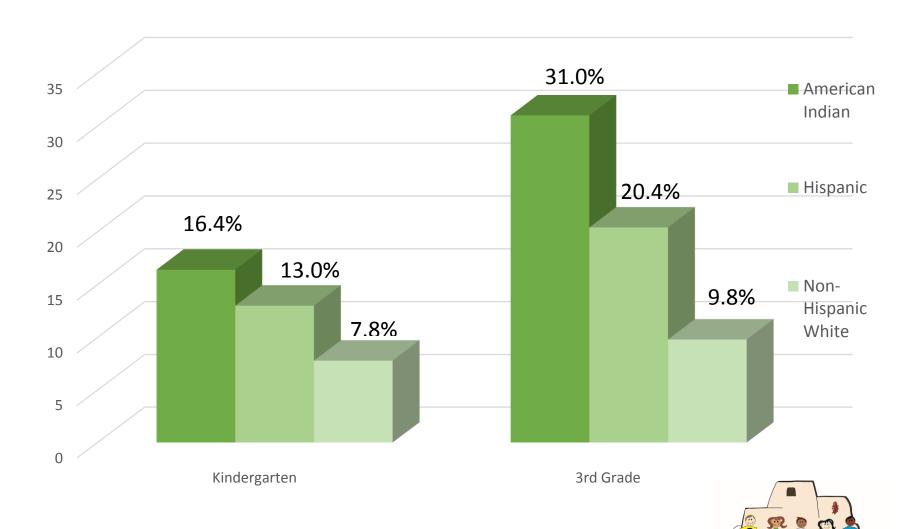
CHILE Objectives

Based on evidence of what we know works for reducing risk for obesity:

- Children will eat more fruits, vegetables, and whole grain foods
- 2. Children will eat fewer high-fat foods and drink fewer sugary beverages
- Children will spend more time every day engaged in moderate-to-vigorous physical activity
- 4. Children will spend less time watching TV and playing computer/video games



Childhood Obesity in New Mexico



New Mexico Dept of Health. New Mexico Childhood Obesity 2015 Update. March 2016

Child Health Initiative for Lifelong Eating & Exercise
CHILE PLUS

Obesity in the US

Obesity prevalence by age group from 2011-2014:

- 8.9% children ages 2 to 5
- 17.5 % children ages 6 to 11
- 20.5% children ages 12-19
- 36.5% of adults

Data for adults, children, and adolescents indicate flattening of trends in the most recent periods.

Defining Overweight and Obesity

- Determined by using weight and height to calculate "body mass index" (BMI)
- BMI correlates with amount of body fat
- BMI between 25 and 29.9 = overweight
- BMI 30 or higher = obese
- Children's scores calculated according to age to account for growth
- BMI calculator: <u>http://www.nhlbi.nih.gov/health/educational/lose_wt/BMI/bmicalc.htm</u>

Child Health Initiative for Lifelong Eating & Exercise

CHILE Plus Overview

- Program of the UNM Prevention Research Center
 - Developed with grant from NIDDK (2006-2011)
 - Developed with NM Head Start communities since 2007
- Funded by Supplemental Nutrition Assistance Program Education SNAP-Ed since 2011
 - NM Human Services Department
- Developmentally appropriate for ages 3-5
- Evidence-based curriculum



CHILE Plus includes the following components:

- 1. Head Start classroom curriculum
- 2. Head Start food service component
- Head Start teaching and foodservice staff professional development
- 4. Family component
 - Family Engagement training
 - 2. Family Education materials (sent home throughout year)
 - CHILE Plus messages included in Head Start home visits and parent/teacher conferences



Physical Activity Guidelines for Preschoolers

- Total: 2 hours minimum every day
- At least 60 minutes every day of unstructured physical activity
- At least 60 minutes every day of structured physical activity
 - Structured Physical Activity: Activity with instructions that is led by an adult, teacher, provider, coach, etc.
- No more than one hour at a time of sedentary time- except when sleeping!
- New recommendations from the American Academy of Pediatrics for screen time
 - No more than 1 hour of screen time daily for children aged 2 to 5 years

Physical Activity Lessons Overview

- Developed in partnership with Head Start teachers and families in 2007-2008
- 115 short-duration activities that require little (or no) equipment
- Develops gross-motor skills
- Designed to be developmentally appropriate, safe, fun, keep children moving, and to set-up-for-success
- Meet Early Learning Framework and Domains







CHILE Plus Activity Break #2



Let's Move Like a...(Exercise Break #16)





CHILE Physical Activity Curriculum



All available online

http://prc.unm.edu/chile-plus/early-childhoodcenters/chile-plus-curriculum.html

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Why is physical activity important to young children?



Health Benefits of Physical Activity

- Lessens chance of being overweight/obese
- Active now means children are more likely to be active as adults
- Reduces the risk of developing diabetes, high blood pressure and heart disease
- Builds strong bones
- Improves sleep
- Improves emotional and mental health

Improves mood and self esteem, lowers aggression



Learning Benefits of Physical Activity

- Improves focus, attention and creativity
- Enhances reading & writing through rhythm
- Develops vocabulary:
 - Ex: action words- stomp, pounce, stalk, slither, smooth, strong, gentle, enormous
- Promotes adverb & adjective understanding
 - "slow walk" or "skip lightly"
- Encourages dramatic play
- Increases an understanding of poems, stories, & songs



Learning and Movement

Physical activity goes a long way in assisting with:

- Classroom Management
- Following directions and rules
- Learning spatial awareness
- Interacting with peers
- Creating habits that will stick with them for life



CHILE Plus Activity Break #3



Game Time Lesson #1:

- Warm-up: Body Stretches
- Activity #1: Step-by-Number
- Activity #2: Steal the Hat
- Cool-Down/Wrap-up: Rest & Relax







How much physical activity do we need?



National Association of Sport and Physical Education (NASPE) Guidelines for 3-5 yrs

- At least 60 minutes every day of unstructured physical activity
- At least 60 minutes every day of structured physical activity
- No more than one hour at a time of sedentary time
 - except when sleeping!

Total: 2 hours <u>minimum</u> every day



Physical Activity Guidelines: Adults

• At least 150 minutes (2 hours and 30 minutes) a week moderate-intensity,

or

• 75 minutes (1 hour and 15 minutes) a week of vigorous-intensity

or

- Equivalent combination of moderate- and vigorous intensity aerobic activity
- Episodes of at least 10 minutes
- Preferably spread throughout week
- Adults who participate in any amount of physical activity gain some health benefits

What is MVPA?



Moderate to Vigorous Physical Activity

Light Activity: can sing a song while moving Moderate Activity: Can talk but not sing Vigorous Activity: Can only say 1 or 2 words at time



Opportunities for Physical Activity

- Arrival
- Transitions
- Circle Time/Read-Alouds
- Recess/Outdoor Play





CHILE Plus Activity Break #4



Free Dance (Move N'Groove #11)





Strategies for Adding More PA

- Write the activities into your lesson plans
- Start the day with physical activity e.g. Body Stretches,
- Add a CHILE physical activity to the beginning and at the end of a circle time activity.
- Add a CHILE physical activity during
- Add a CHILE physical activity to the beginning or end of outside play.
- Add a CHILE physical activity before "Read Aloud"
 - 10 + minutes each adds up to 50 + minutes!



CHILE Plus Activity Break #5



Children's Folk Dances (EB 32-33)





Beyond the Classroom



Physical Activity newsletters and take-home kits

- Includes physical activity tips
- Active Play... Every Day!
 - Ideas to help families be active together
- Turn off Tuesdays (or any day/time)
- Family involvement



CHILE Physical Activity Equipment

- Playground ball
- Parachute
- Music CDs
- Bumpy Balls
- □ Game Hoops
- Bean Bags
- Scarves
- Activity Mats
- Beach Balls



CHILE Plus Online: Website

http://prc.unm.edu/chile-plus





↑ About Us → Program Components → Early Childhood Centers v Recent News Search CHILE Plus Site Search rs > Family Engagement Materials CHILE Plus Curriculum Fami erials Online Module Checklist Modu External Links Ion Early Childhood These materials include recipes and preparation ideas for bell pepper and melon, food safety tips, as well as fun ideas for Centers staying active through family activities, games and ideas for exploring your community. Overview English / Spanish **CHILE Plus Curriculum** Module 2: Broccoli and Pear Family Engagement Materials



Online Module Checklist

External Links

CHILE Plus MSC11 6145 1 University of New Mexico Albuquerque, NM 87131

Physical Location: 2703 Frontier Ave NE Research Incubator Building (RIB) Suite 120

Phone: (505) 272-4462 Fax: (505) 272-4857 CHILEPlus@salud.unm.edu

activities, games, dances and reducing screen time. English / Spanish

Module 3: Tomato and Pineapple

These materials include recipes and preparation ideas for tomato and pineapple. There are also purchasing tips for drinks and whole wheat bread as well as fun ideas for staying active in the winter through family activities, crafts and reducing screen time.

These materials include recipes and preparation ideas for broccoli and pear. There are also purchasing tips for lower fat milk and cheese and whole grain low-sugar cereal as well as fun ideas for staying active in the winter through holiday family

English / Spanish

Module 4: Spinach and Apple

These materials include recipes and preparation ideas for spinach and apple. There are also preparation tips for lower fat ground beef and purchasing tips for whole wheat tortillas as well as fun ideas for staying active through family activities, games, songs, art and gardening. Additionally, you will find information on playground safety.

English / Spanish

Module 5: Squash and Peach

These materials include recipes and preparation ideas for squash and peach as well as food safety tips. There are also preparation tips for dried beans as well as fun ideas for staying active through family activities, walking, hiking and ideas for exploring your community.

English / Spanish

Module 6: Sweet Potato and Orange

These materials include recipes and preparation ideas for sweet potato and orange. There are also purchasing tips for whole grain pasta and lower fat milk and cheese as well as fun ideas for staying active in the winter through family activities, games, dances, exercises and stretches.

English / Spanish

Module 7: Cucumber and Strawberry

These materials include recipes and preparation ideas for cucumber and strawberry. There are also purchasing tips for brown and wild rice and drinks as well as fun ideas for staying active through family activities, games, story-telling and reducing screen time.

English / Spanish

Module 8: Asparagus and Kiwi

These materials include recipes and preparation ideas for asparagus and kiwi. There are also preparation tips for lower fat ground beef and purchasing tips for whole wheat flour as well as fun Ideas for staying active through family activities, games, gardening and camping. Additionally, you will find information on playground safety.

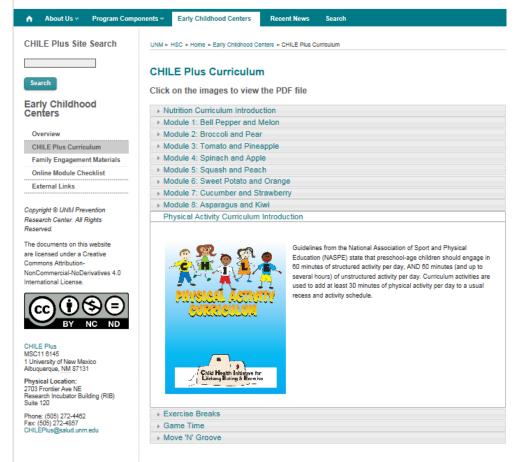
English / Spanish



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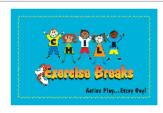
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CHILE Plus Curriculum

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- Nutrition Curriculum Introduction
- Module 1: Bell Pepper and Melon
- ▶ Module 2: Broccoli and Pear
- ▶ Module 3: Tomato and Pineapple
- Module 4: Spinach and Apple
- ▶ Module 5: Squash and Peach
- Module 6: Sweet Potato and Orange
- Module 7: Cucumber and Strawberry
- Module 8: Asparagus and Kiwi
- ▶ Physical Activity Curriculum Introduction

Exercise Breaks



Exercise Breaks are designed to be short in duration and require a small space, with little-to-no equipment. Exercise Breaks are a great way to transition children from one activity to the next and help them to be more focused throughout the day. Exercise Breaks can be performed in the classroom, outside or in a large room such as a gymnasium or meeting room. Remember, each time a child is physically active, it is an important step toward fulfilling the national recommendations for preschool-aged children of 80 minutes of structured and 80 minutes of unstructured physical activity each

- → Game Time
- → Move 'N' Groove



ALII E DI IIO



▶ Move 'N' Groove

Albuquerque, NM 87131

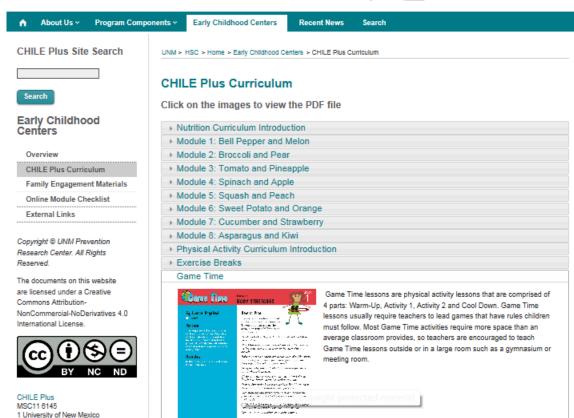
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- ▶ Physical Activity Curriculum Introduction
- Exercise Breaks
- → Game Time

Move 'N' Groove



All of the activities in the Move 'N' Groove Kit are designed to encourage movement through music and dance. Encourage children to move and groove as they please. Have fun and enjoy watching them spin, turn, dance, float, shake and wiggle with delight!



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Strategies for Adding Physical Activity

- Write the activities into your lesson plans
- **Start** the day with physical activity e.g. Body Stretches,
- Add a CHILE physical activity to the beginning and at the end of a circle time activity.
- Add a CHILE physical activity during transitions e.g. breakfast, lunch, bathroom breaks; washing hands, outdoor time.
- Add a CHILE physical activity to the beginning or end of regular outside play.
- Add a CHILE physical activity before "Read Aloud"

10 + minutes each adds up to 50 + minutes!



Pop Quiz!

What is the minimum amount of total physical activity that preschool-age children need every day for the whole day?

(hint: # of hours)



Feedback



How are you already incorporating structured physical activity into your day?

Who can think of possible challenges for including structured physical activity throughout the day?



Resources

*****CHILE

http://prc.unm.edu/chile-plus/early-childhood-centers/chile-plus-curriculum.html

❖PAK for Young Children

https://www.ihs.gov/hpdp/includes/themes/newihstheme/display_objects/documents/pak/PAKBook5.pdf

Kimbo Educational

kimboed.com/

CHILE CD list

http://www.amazon.com/lm/R3NRO2PN7CLWAN/ref=cm_s w_em_r_lm_BJqisb1104RHW_lm_BJqisb1104RHW?



Let's Get Moving with the CHILE Plus Curriculum:

- Jack Grunsky
 - Fruit Salad Hand Jive
 - Big Thunder Dark Sky
- O Children's Folk Dances
 - Ulilli E
- Preschool Aerobic Fun
 - Movin' Every Day

Music: Children's Folk Dances (Kimbo Ed) and Preschool Aerobic Fun available at Amazon.com and Kimboed.com

Jack Grunsky: Sing and Dance, available at Amazon.com





Thank You!

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- (3) email: program.intake@usda.gov.

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