



NCCOR MEMBER CALL

November 7, 2018
2 p.m. ET

Login: <https://fhi360smc.adobeconnect.com/nccor/>

Call In: 1-866-668-0721 Enter the Access Code: 169-033-0430

We will begin at 2:05 p.m. to allow participants time to join the webinar.

Agenda

- Emerging Opportunities for NCCOR
- Steering Committee Update
- Spotlight
 - Matthew Gillman, MD, SM, National Institutes of Health
- Communications Update
- Other NCCOR Activities
- Announcements
- NCCOR New Staff
- Calendar Reminder

Emerging Opportunities for NCCOR

Steering Committee Update

- New Steering Committee Member:
 - Jamie Bussel, RWJF
- Senior Leadership Briefing Preparation
- Science and Technology in Childhood Obesity Policy (STOP) Informational Call
- Department of Defense Collaboration Call

New workgroup

- JPB Grant Task 3: Define next steps in measurement needs to accelerate progress in reducing childhood obesity
 - Workgroup leads are starting discussions; stay tuned for more information or email asamuels@fhi360.org to join

Obesity-related Research in NIH's Environmental Influences on Child Health Outcomes (ECHO) Program

National Collaborative on Childhood Obesity Research (NCCOR)

Matthew W. Gillman, MD, SM
NIH Office of the Director
November 7, 2018

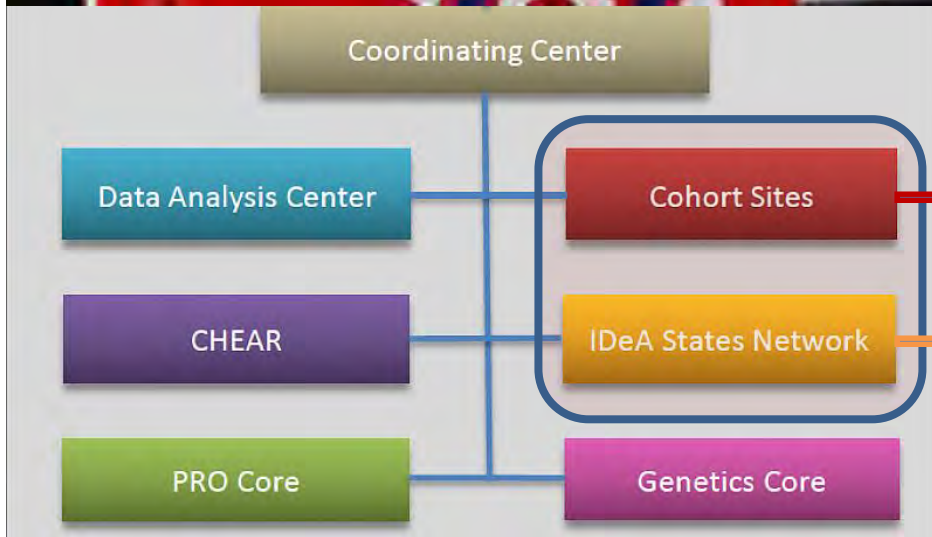
Today

- ECHO mission, guiding principles, scientific goals
- Obesity-related observational and intervention research
 - ECHO-wide Cohort
 - Integrating 60+ ongoing maternal/child cohort studies
 - IDeA States Pediatric Clinical Trials Network
 - For rural and underserved children
- Results to date, promise for the future, opportunities to collaborate

ECHO—A Nationwide Program



58 awards
>100 principal investigators
~250 sites
~1300 key personnel
44 states, DC, PR



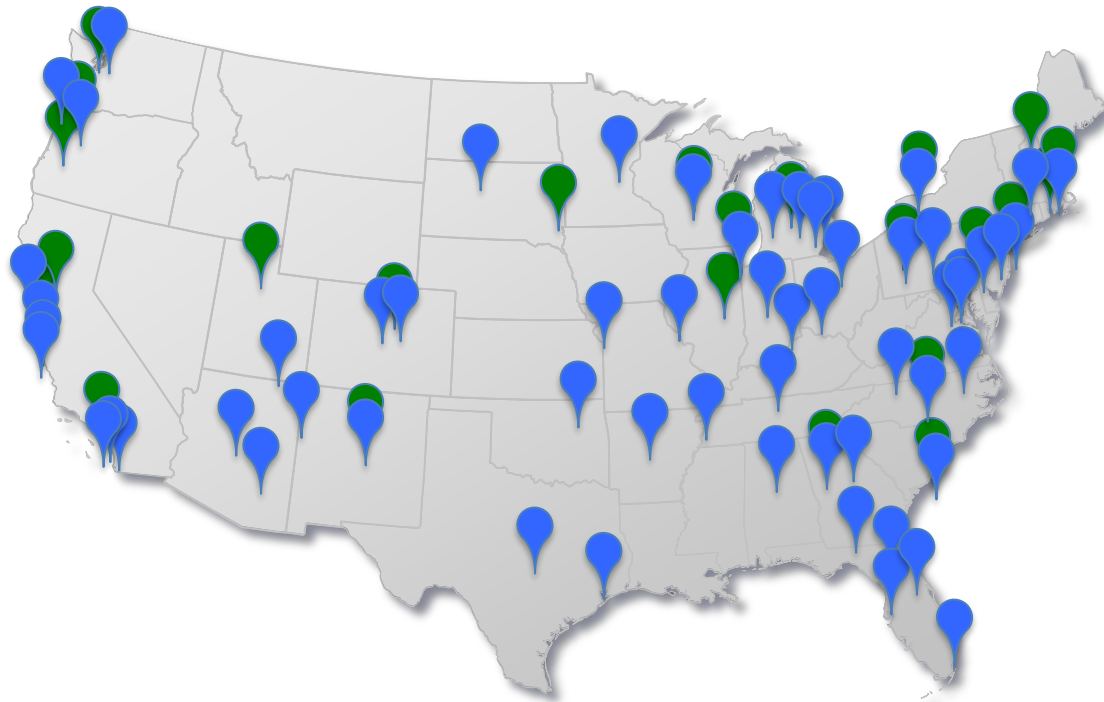
Observational studies

Clinical trials

ECHO's Observational Research

The ECHO Cohorts

ECHO Cohorts



31 awards
68 principal investigators
~66 cohorts

- Majority started prenatally

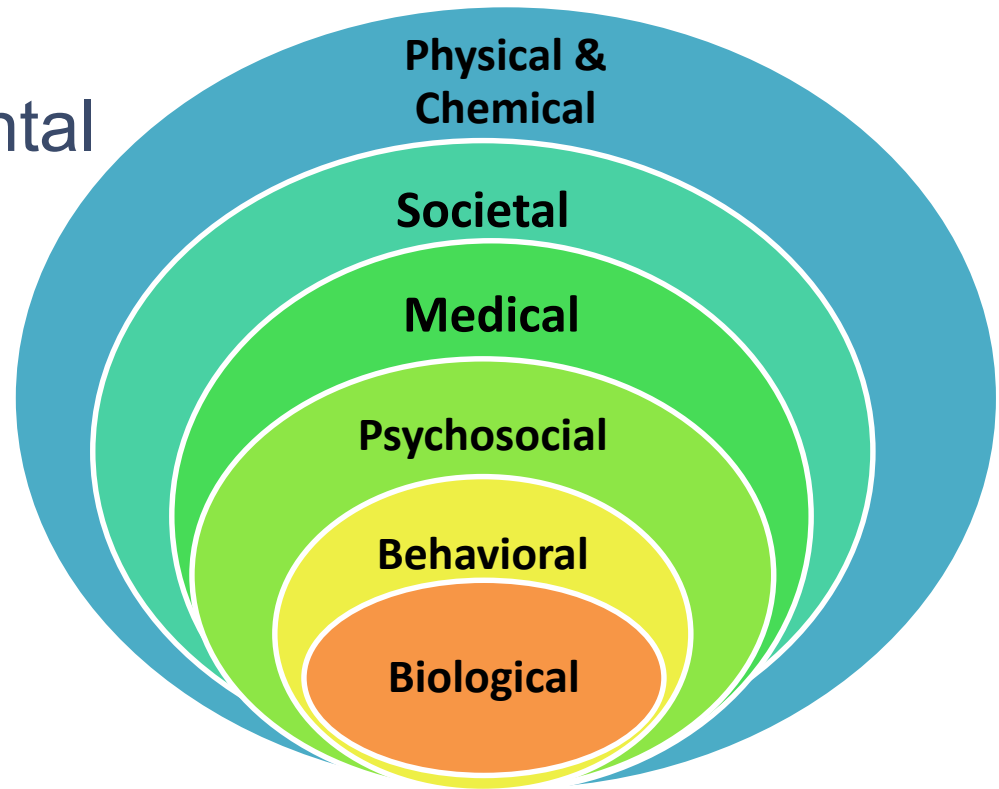


ECHO Overall Scientific Goal

Answer solution-oriented questions about effects of broad range of early environmental exposures on child health and development

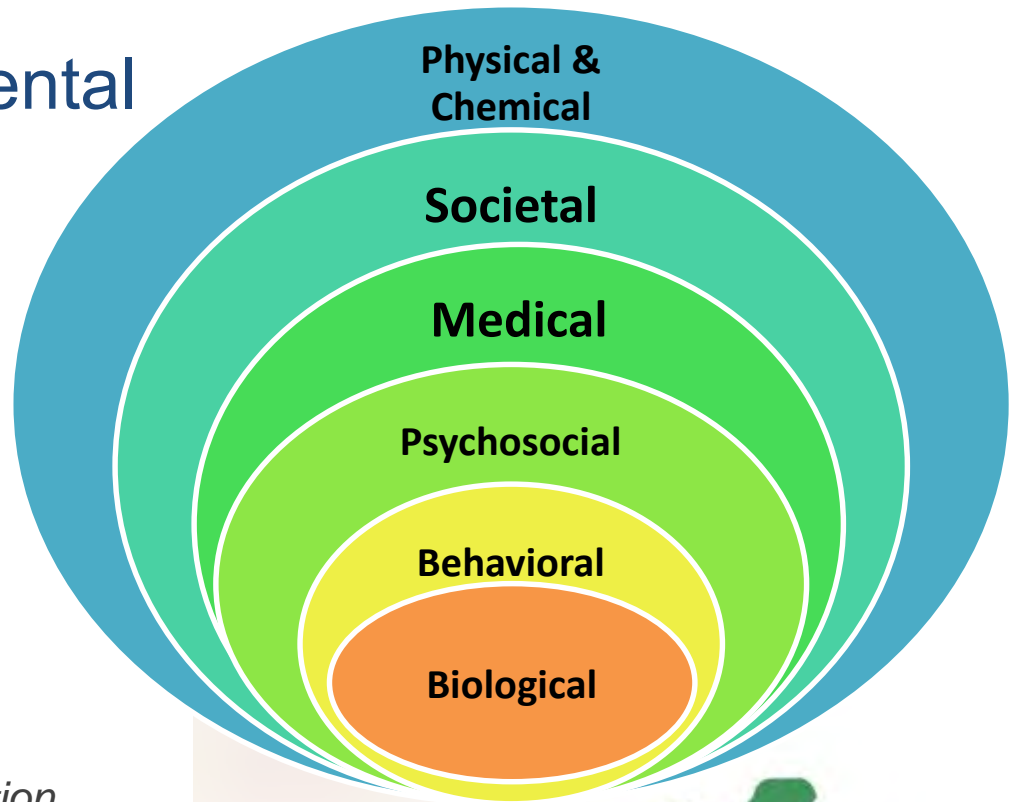
Broad Range of Early Environmental Exposures

From society to biology



Broad Range of Early Environmental Exposures

From society to biology



- *Exposures from conception to age 5 years*



Health Outcomes

Focus on high-impact conditions throughout childhood and adolescence

PRE-, PERI-
AND POSTNATAL



UPPER AND
LOWER AIRWAYS



OBESITY

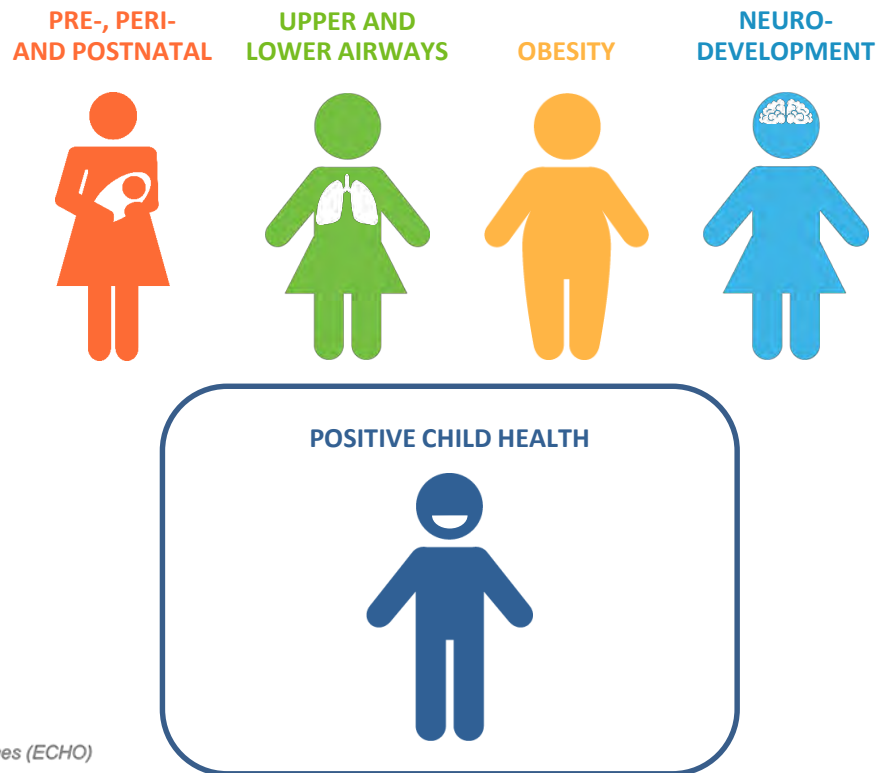


NEURO-
DEVELOPMENT



Health Outcomes

Focus on high-impact conditions throughout childhood and adolescence



POSITIVE CHILD HEALTH



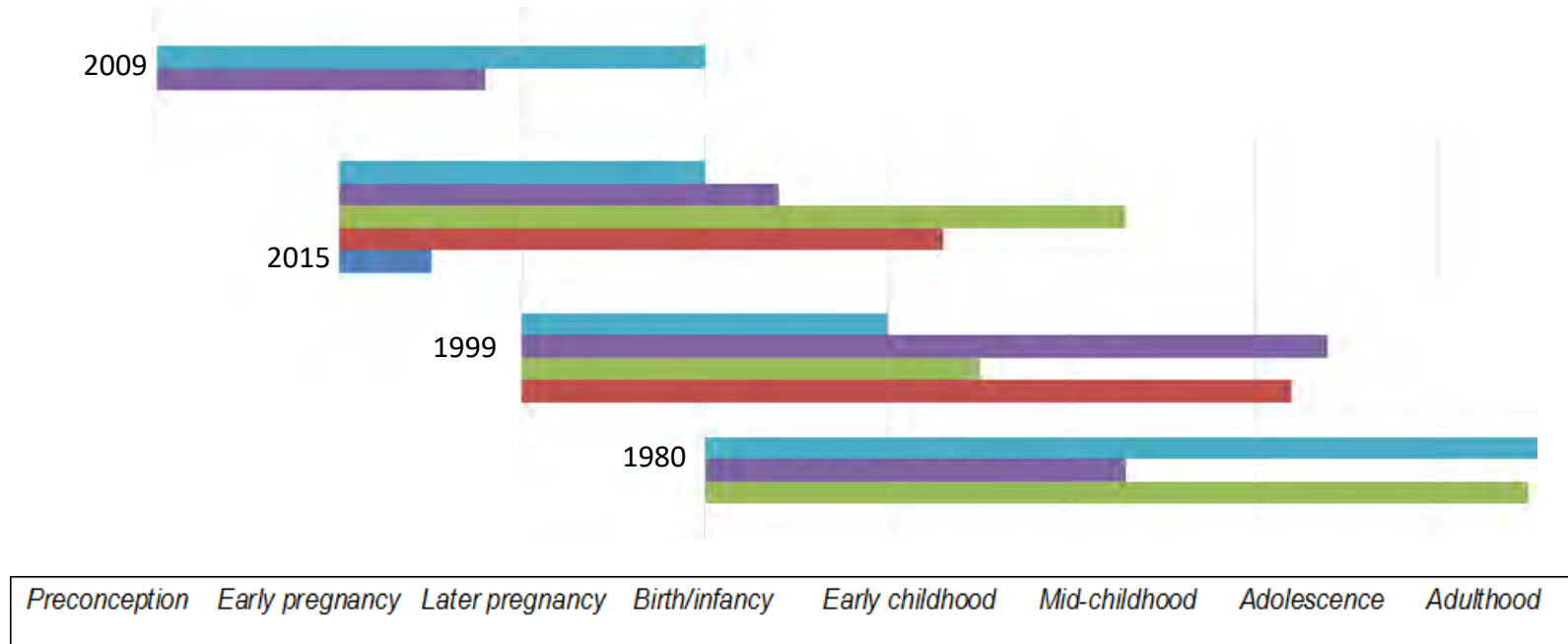
- Focuses on assets that enable well-being:
- Well-being
 - Happiness
 - Life Satisfaction
 - Meaning & Purpose
 - Relationships
 - Achievement
 - Sleep

ECHO Cohorts

- Create ECHO-wide Cohort
 - Start with existing cohorts of mothers and children
 - All continue follow-up of children
 - Some also still recruiting
 - Establish single data platform to conduct etiologic and prediction research
 - Harmonize existing measures & standardize new measures

The ECHO-Wide Cohort

“Dynamic Cohort of Inception Cohorts”







Cohorts recruited at different points in the life course and in different eras, with different visit schedules and different data collection schemes

ECHO-wide Cohort

- Data Collection Protocol
 - Essential and recommended data elements
 - Prenatal, perinatal, infancy, early childhood, mid-childhood, adolescence

- Policies

- Publications
- Data sharing
- Biospecimen use

| Data Element | Measure | | |
|--|---|---|---|
| | Preferred | Acceptable | Alternative |
| Essential (required to collect) |  |  |  |
| Recommended (encouraged to collect) |  | | |

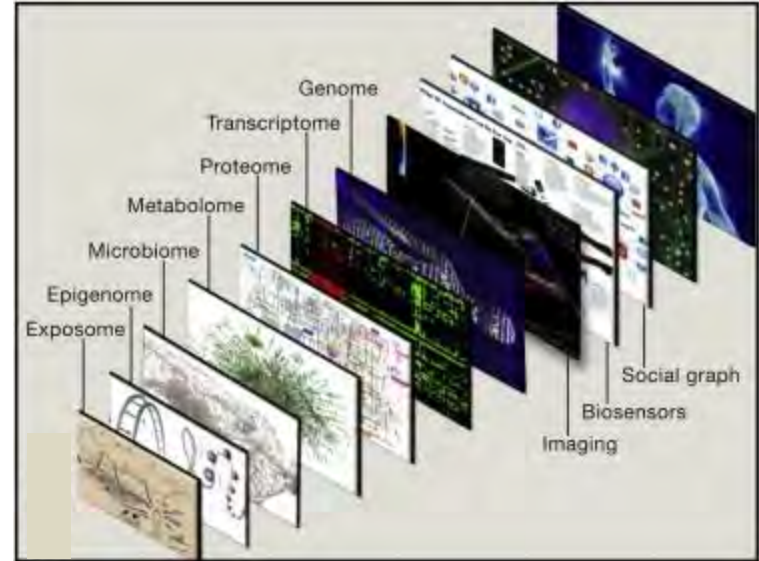
The ECHO-wide Cohort

Weaving together 60+ individuals



The ECHO-wide Cohort

Many people, many layers of data,
many stages of life course



Promise of ECHO-wide Cohort

- 50,000+ children and their families
 - Address research questions that no single cohort, or even a few cohorts, can answer alone
- Solution-oriented research
 - Impact on policies, programs, practices
- Nationwide research collaboration
 - Resource for entire scientific community



ECHO-wide Cohort Data Sharing & Use

Data Production

ECHO Cohorts collect data under ECHO-wide Cohort Data Collection Protocol

Restricted Use (Enclave)

- Investigator accesses relevant data after ECHO Steering Committee approves Analysis Proposal
- Non-ECHO investigators have access 6 months (12 for 1st cycle) after ECHO investigators

Broader Use

No Analysis Proposal

ECHO-wide Cohort Data Platform

Anonymized "public use" dataset

ECHO Cohorts provide existing and (at least every 6 months) new data to ECHO Data Analysis Center

- Database contains some PHI
- Highly secure access via ECHO Portal

ECHO Data Analysis Center strips identifiers, creates dataset

Fewer access controls

TBD

Health Outcomes

Focus on high-impact conditions throughout childhood and adolescence

PRE-, PERI-
AND POSTNATAL



UPPER AND LOWER
AIRWAY



OBESITY



NEURO-
DEVELOPMENT



ECHO-wide Cohort Data Collection Protocol

Essential and recommended elements across life stages

| Domain/Concept | Collect once | Prenatal | Perinatal | Infancy Early | Childhood Middle | Childhood | Adolescence |
|---|--------------|----------|-----------|------------------|---------------------|-----------|-------------|
| Family (Mother, Father, Child) | | | X | X | X | X | X |
| Caregiving Quality (0-5yrs) | | | X | X | X | X | X |
| Health Histories | X | | | | | | |
| Environmental exposures (Chemical) | | X | X | X | X | X | X |
| Built/Physical Environment | | X | X | X | X | X | X |
| Sociodemographics | X | | | | | | |
| Mother | | | | | | | |
| Pregnancy-Related | | X | | | | | |
| Maternal Stress, Mental and global health, social support, IQ | | X | X | X | X | X | X |
| Biospecimens (hair, stool, vaginal swab, placenta, DNA, breast milk) | | X | X | | | | |
| Child | | | | | | | |
| Physical Health & Functioning | | X | X | X | X | X | X |
| Health Behaviors/Lifestyle | | X | X | X | X | X | X |
| Neurodevelopmental Health & Functioning | | | | X | X | X | X |
| Social Role Performance & Functioning | | | | | X | X | X |
| Sleep Health | | | | X | X | X | X |
| Well-being | | | | X | X | X | X |
| Biospecimens (Cord blood, plasma, DNA, red blood cells, meconium, nasal mucus, stool) | | | X | X | X | X | X |
| Father | | | | | | | |
| Biospecimens (Semen, DNA, Stool) | X | X | | | | | |

Diet:

- Mother- FFQ-DHQ/ ASA 24-hour recall
- Child- Infant Feeding Practices Study II (IFPS-II), NHANES Dietary Screener DTQ, Food Contaminants Questionnaire, ASA 24-hour recall

Physical activity:

- Pregnancy Physical Activity Questionnaire (PPAQ)
- Child physical activity (5+yrs)

Sleep:

- Maternal sleep quality in pregnancy
- Child sleep health, sleep ecology

BMI and skinfold thicknesses in all cohorts

- DXA, MRI in subsets

Subsets of cohorts assessing mother and/or child microbiome, epigenome, metabolome

ECHO-wide Data Collection Protocol Overview:

www.echochildren.org

- **Protocol version 1.1 in Sept. 2018**

ECHO Cohorts...in the meantime...

- **Individual cohort analyses**
 - >100 published to date
- **Collective analyses**
 - “Send programs to data”
 - Preterm birth, **obesity**, asthma, autism spectrum disorder
- Review articles
- Positive health pilot
- Opportunities and infrastructure fund

Obesity-related Specific Aims of Cohorts

| CONTACT PI and MPIs | COHORT (s) - INSTITUTION |
|---|---|
| BLAIR, CLANCY, B | Family Life Project- NEW YORK UNIVERSITY |
| DABELEA, DANA | HEALTHY START- UNIVERSITY OF COLORADO DENVER |
| FERRARA, ASSIAMIRA, (contact); CROEN, LISA, A | KPN AND PETALS -KAISER FOUNDATION RESEARCH INSTITUTE |
| GILLILAND, FRANK, D. (contact); BRETON, CARRIE, VAN DOREN | CHS, MADRES, LA-DREAMERS UNIVERSITY OF SOUTHERN CALIFORNIA |
| LEVE, LESLIE, DIANE (contact); GANIBAN, JODY, M.; NEIDERHISER, JENAE, M. | EARLY GROWTH AND DEVELOPMENT PEDIATRIC COHORT. UNIVERSITY OF OREGON |
| O'CONNOR, THOMAS, G (contact); BUSS, CLAUDIA, ; MILLER, RICHARD, KERMIT; SIMHAN, HYAGRIV, N; WADHWA, PATHIK, D | MAGEE and ROCHESTER. UNIVERSITY OF ROCHESTER |
| OKEN, EMILY, (contact); KLEINMAN, KENNETH, P. | PROJECT VIVA- HARVARD PILGRIM HEALTH CARE, INC. |
| PERERA, FREDERICA, P (contact); HERBSTMAN, JULIE, BETH | MOTHERS AND NEWBORNS, SIBLINGS AND FAIR. COLUMBIA UNIVERSITY HEALTH SCIENCES |
| TRASANDE, LEONARDO, (contact); JADDOE, VINCENT, | TDES and GEN-NYC. NEW YORK UNIVERSITY SCHOOL OF MEDICINE |
| VENA, JOHN, EDWARD (contact); WAPNER, RONALD, | NATIONAL FETAL GROWTH STUDY. MEDICAL UNIVERSITY OF SOUTH CAROLINA |
| WRIGHT, ROSALIND, J (contact); WRIGHT, ROBERT, O | PRISM, ICLS, ACCESS. ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI |

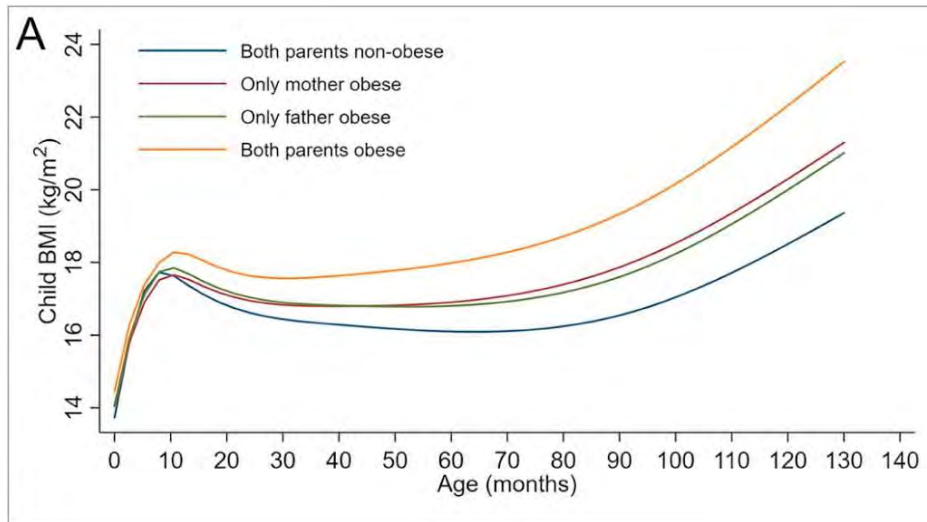
Specific aims related to, but not limited to:

- Mediation by biological (e.g., hormones, DNA methylation) and behavioral (e.g., dietary) pathways
- Modification by a priori hypothesized factors from genes to society.
- Prenatal exposure to near-roadway air pollution, metals (As, Pb, Cd, Hg) and how these exposures affect BMI trajectories and body composition across childhood into emerging adulthood.
- Critical or sensitive periods for emergence, resilience, or resolution of phenotypes
 - Trajectory analysis

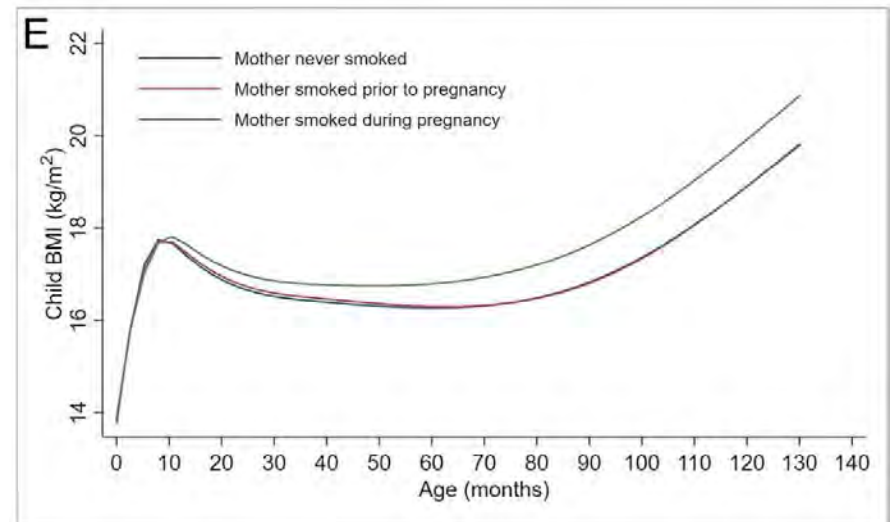
Trajectory analysis may suggest potential sensitive windows for intervention

Single cohort analysis

Parental Obesity
Curves diverge in infancy



Maternal Smoking during Pregnancy
Curves diverge in early childhood





ECHO

Environmental influences
on Child Health Outcomes

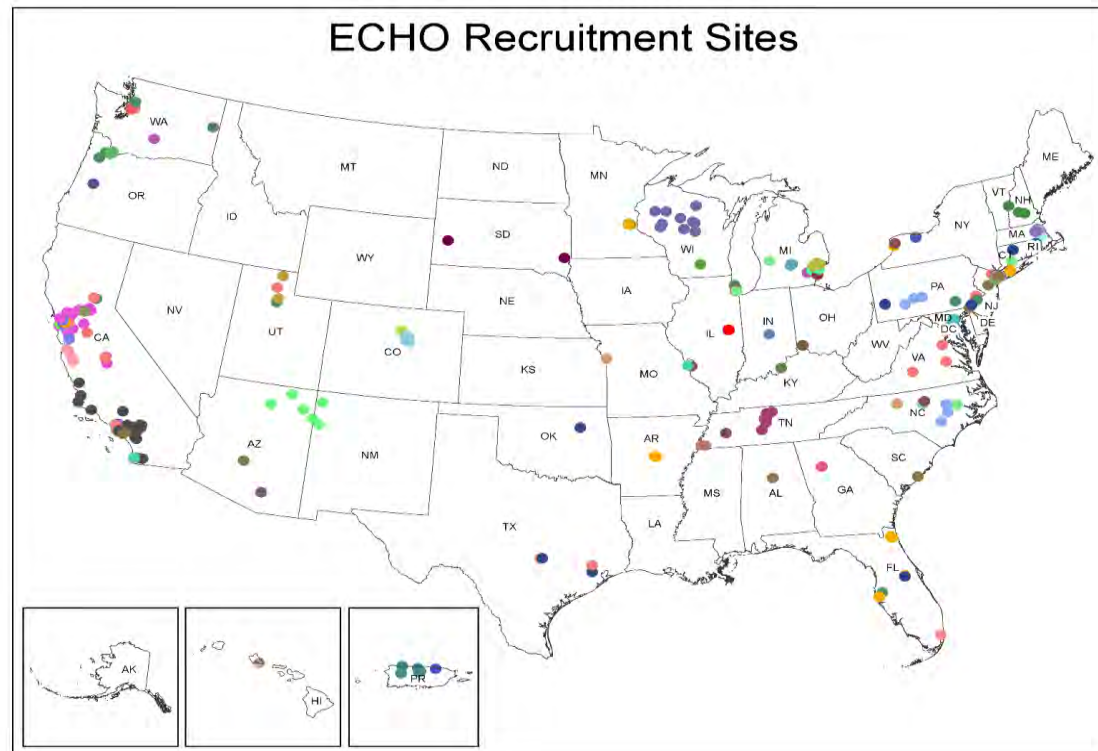
A program supported by the NIH

Childhood Obesity in ECHO “Collective Analysis”

FA Tylavsky, A Ferrara, D Catellier, X Li, D Dabelea, E Oken, A Rundle, D Gilbert-Diamond, M-F Hivert, A Law, C Breton, AE Cassidy-Bushrow, NT Mueller, KJ Hunt, S Arteaga, T Lombo, S Mahabir, D Ruden, K Sauder, M Hedderson, Y Zhu, S Polk, N Mihalopoulos, M Vos, L Pyles, M Roary, J Aschner, L Trasande, for the ECHO Program

ECHO Pediatric Cohorts

- 84 Cohorts initially funded
- 70 Cohorts after exclusions
 - Self-reported height and weight
 - No height or weight measured
 - No measures since 2003
- 46,222 participants available
- 37,603 after exclusions
 - Missing data
 - Less accurate measures
 - Measures before 2003

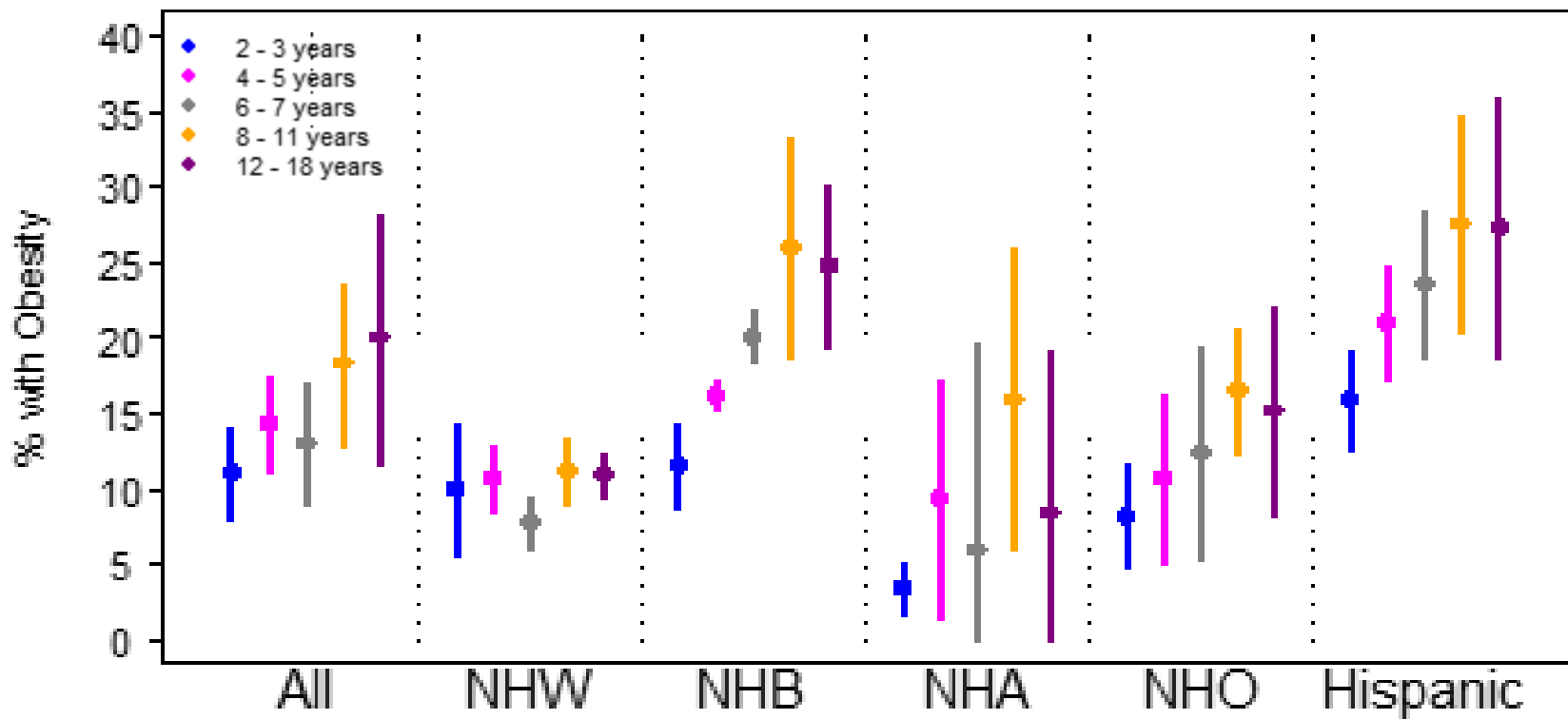


Analysis

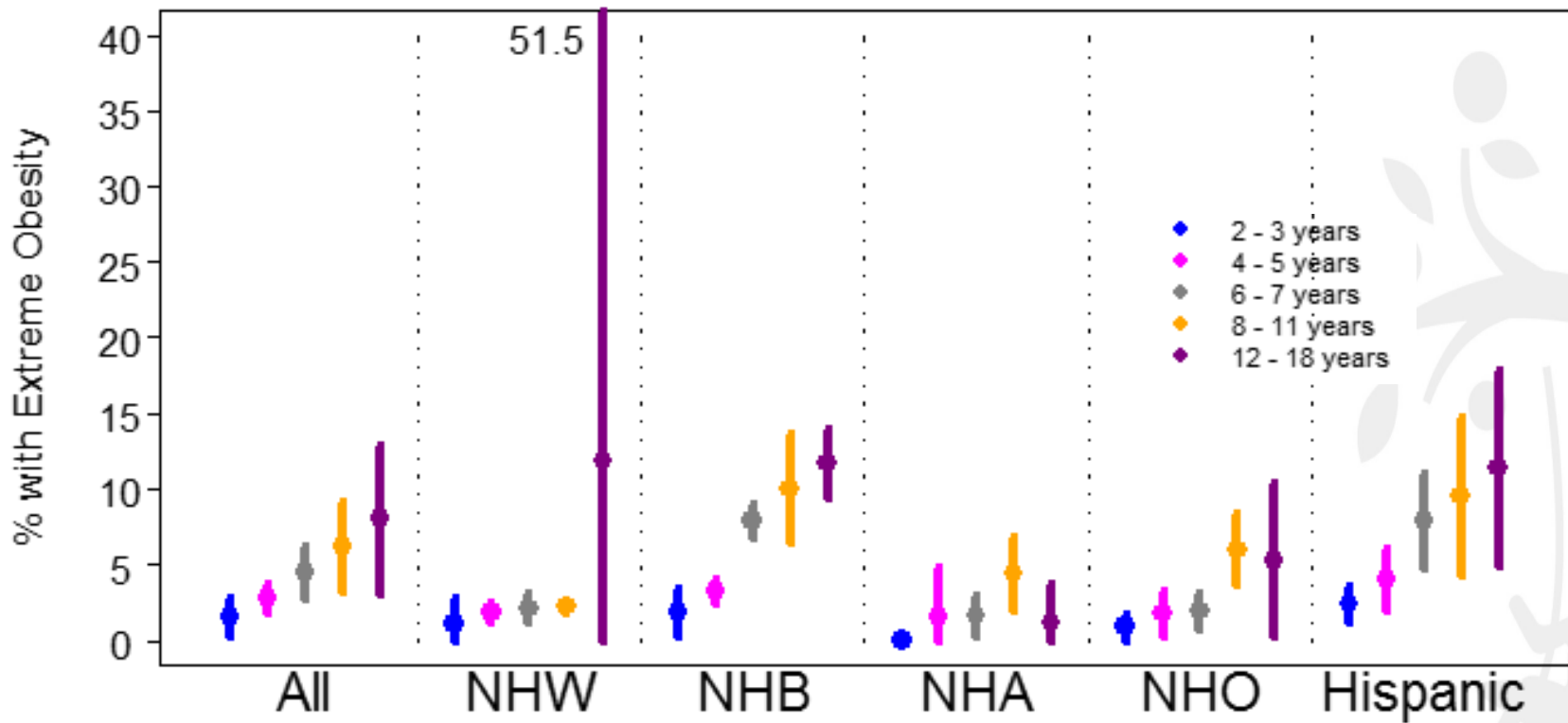
- Cohort level meta-analyses—“Send program to data”
- Each Cohort...
 - Collected self-reported data or abstracted from medical record
 - Age, sex, race/ethnicity
 - Length/height, weight
 - Calculated BMI (kg/m²)
 - Then determined prevalences
 - <2 years: BMI \geq 97.7th percentile per WHO standard (term births only)
 - \geq 2 years, per CDC growth reference
 - Overweight, > 85th and <95th percentile
 - Obesity, \geq 95th percentile
 - Extreme obesity, \geq 120% of the 95th percentile
 - Sent tabulated results to ECHO Data Analysis Center



Obesity (2–18 years) more common in older kids, blacks, Hispanics



Large enough sample sizes to show similar patterns in extreme obesity (2–18 years)



ECHO Comparable to NHANES

| Age | ECHO | NHANES ¹ |
|---------|----------------|---------------------|
| | Prevalence (%) | |
| 2-5 y | 11 | 9-14 |
| 6-11 y | 18 | 17-18 |
| 12-18 y | 20 | 21-25 |

| Race/ ethnicity | ECHO | NHANES ¹ |
|--------------------|----------------|---------------------|
| | Prevalence (%) | |
| Hispanic | 16-28 | 16-26 |
| NH black | 11-26 | 9-22 |
| NH white | 7-11 | 3-19 |
| NH Asian | 3-16 | 3-11 |

¹Skinner AC, et al Prevalence of Obesity and Severe Obesity in US Children, 1999-2016. *Pediatrics*. 2018. Ogden C et al. *JAMA*. 2014;311(8):806-814; Ogden et al. *JAMA* 2016;315(21):2292-2299; Hales CM et al. 2018 319(16):1723-1725.

How will ECHO generate rigorous data to help lessen the burden of overweight and obesity on individuals, families, and society?

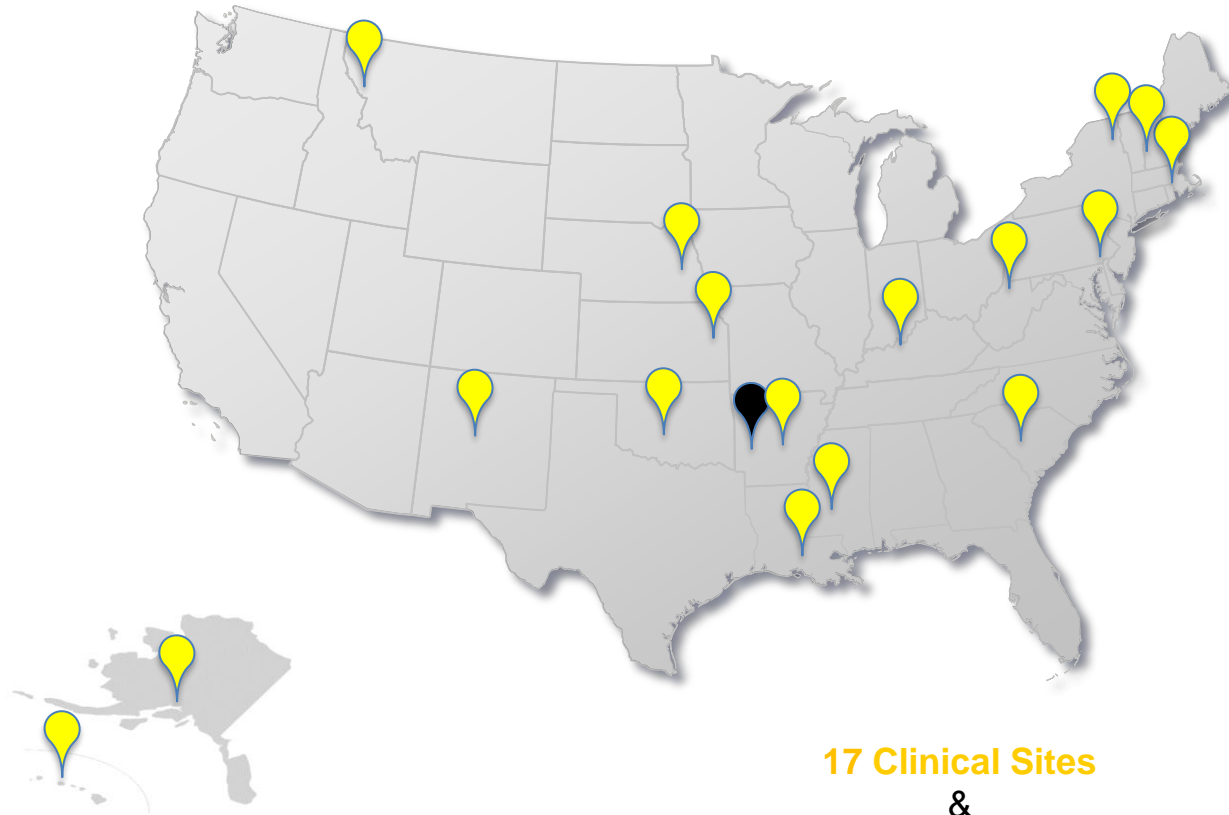
- Ongoing recruitment/retention, longitudinal data, large sample sizes
 - Sufficient power for subgroup analyses
 - Study exposures during sensitive developmental periods
 - Pre-conception through adolescence/young adulthood
- ECHO-Wide Cohort Data Collection Protocol promotes universal collection of environmental exposures (data, biospecimens) in all cohorts
 - Ability to study pathways and mechanisms that promote overweight/obesity
 - microbiome, epigenetics, genetics, metabolomics
- IDeA States Pediatric Clinical Trials Network
 - Opportunity to test novel interventions



ECHO's Intervention Research

The IDeA States Pediatric Clinical Trials Network

IDeA States Pediatric Clinical Trials Network



17 Clinical Sites

&

Data Coordinating and Operations Center (DCOC)

IDeA States Pediatric Clinical Trials Network

Overall Goals

- Provide access to state-of-the-art clinical trials
 - Medically underserved and rural populations
- Build national pediatric research capacity
 - To conduct clinical trials
 - professional development
 - infrastructure and team support
- 2 obesity-related trials
 - “Homegrown”
 - Additional trials in collaboration with other networks



ECHO

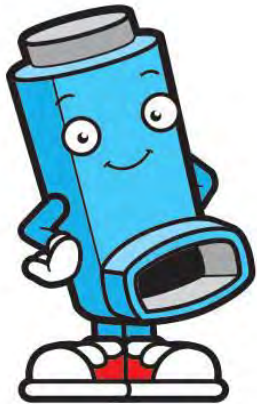
Environmental influences
on Child Health Outcomes

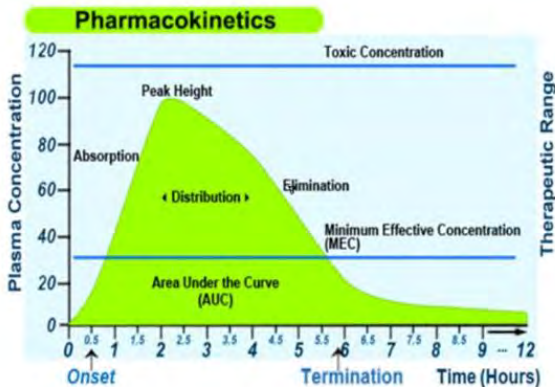
A program supported by the NIH

**IDeA States Pediatric
Clinical Trials Network**

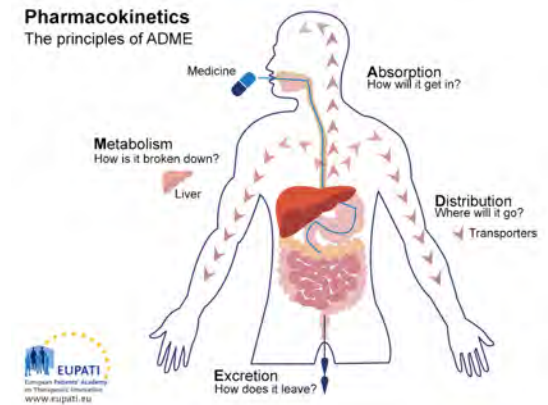


Vitamin D Supplementation in Children with Obesity-Related Asthma VDORA-1





Background & Objectives



Background

- Obesity and asthma co-exist
- Vitamin D levels are lower among children with obesity
- Vitamin D supplementation may alleviate asthma symptoms
- Few data on how much vitamin D is needed to achieve adequate levels in children with asthma and obesity

Objective

- Characterize **vitamin D pharmacokinetics** among children who have
 - Obesity and asthma and
 - Vitamin D levels indicating insufficiency or deficiency
- Exploratory endpoints: Inflammatory markers and asthma control
- 16-week pilot trial
- To inform potential efficacy trial

iAmHealthy Feasibility Pilot



- Background:
 - In urban/suburban settings, interventions to moderate weight gain among school-age children with obesity appear to work if enough contact hours (USPSTF)
 - Access more challenging for children in rural areas, who have higher obesity risk
- Overall goal of iAmHealthy:
 - Among rural children, assess intervention to reduce weight gain among school-age children with overweight or obesity
 - Group-based behavior change intervention using distant tablet technology

Table 5. Intervention Timeline (25 contact hours total per USPSTF guidelines).

| | Weeks 1-8 | Weeks 9-12 | Weeks 13-16 | Weeks 17-20 | Weeks 21-24 | Weeks 25-28 | Weeks 29-32 |
|------------------------------------|---|---------------|----------------|----------------|----------------|----------------|----------------|
| iAmHealthy Intervention | 8 weekly sessions | 1 session | 1 session | 1 session | 1 session | 1 session | 1 session |
| | 11 hours of homework help via remote technology | | | | | | |



iAmHealthy Feasibility Pilot



Objective:

- In 6 rural primary care practices in ISPCTN states, assess approaches to participant recruitment and retention, intervention dose, and staff blinding

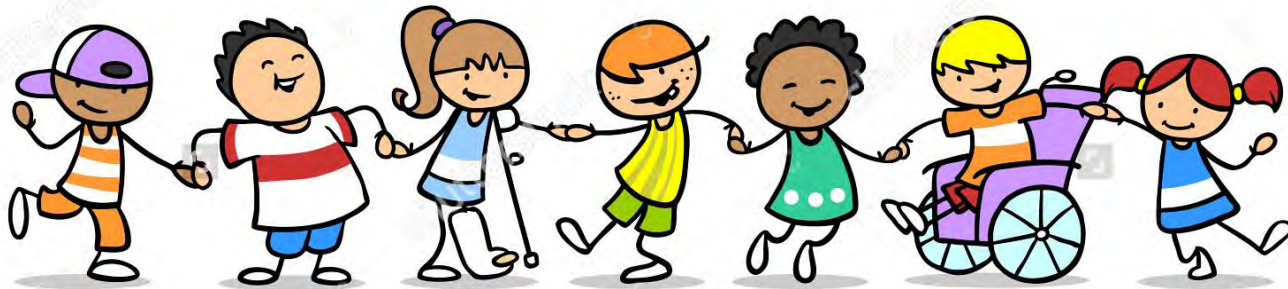


Summary

- ECHO supports observational and intervention solution-oriented research related to childhood obesity
- ECHO-wide Cohort
 - 50,000+ children and families
 - Broad array of early environmental factors
- IDeA States Pediatric Clinical Trials Network
 - For rural and underserved children
- Opportunities to collaborate

ECHO Mission

Enhance the health of children
for generations to come



Communications Update

- NCCOR Tools: Updates & Promotion
 - National Childhood Obesity Awareness Month
 - Twitter Chat
- American Public Health Association (November 2018)
- Connect & Explore

NCCOR Tools: Updates & Promotion

Analytics June–October 2018

| Tool | Page Views |
|---|------------|
| NCCOR Homepage | 16,322 |
| Measure Registry | 5,487 |
| Measures Registry User Guides | 13,881 |
| Catalogue of Surveillance Systems | 2,184 |
| Youth Compendium of Physical Activities | 5,141 |

NCCOR Tools: Measures Registry

- 188 new articles added to the Measures Registry!
- A sampling of these new tools is highlighted below:
 - Behavioral Lifestyle Changes Questionnaire for youth aged 9–17 years
 - International Fitness Scale (IFIS) for youth aged 9–17 years
 - Farm to School Activity Tracker (F2SAT) for Third to Fifth Graders
 - Home Opportunities for Physical Activity Check-Up (HOP-Up) for children aged 2–5 years

MEASURES REGISTRY
Just Updated! NCCOR
National Collaborative on Childhood Obesity Research

188
new articles with valid and reliable measures

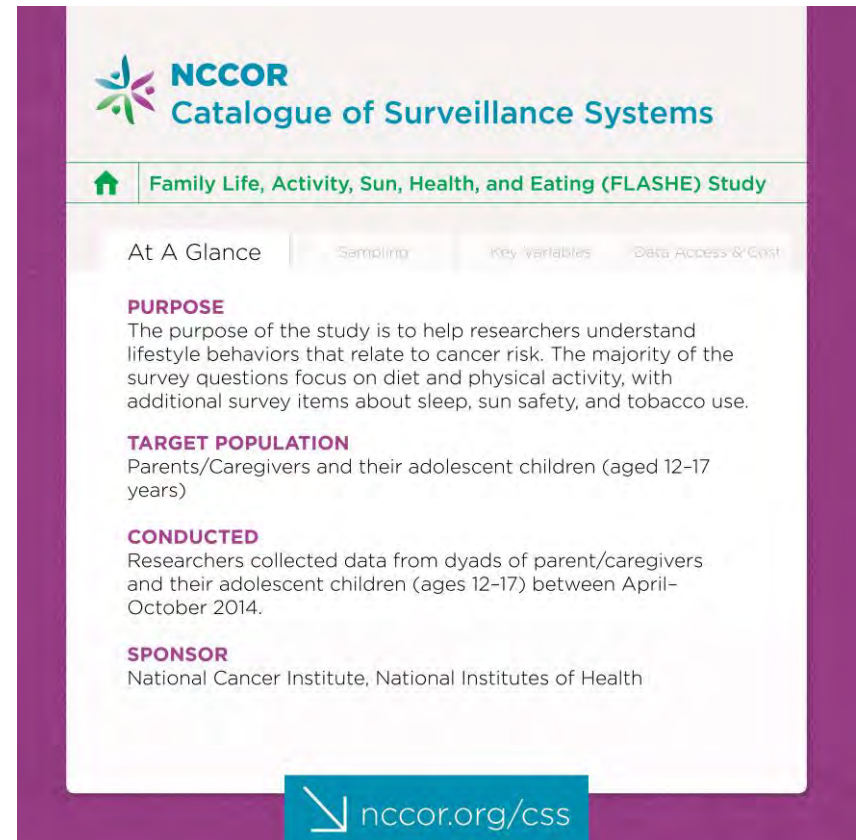
INDIVIDUAL DIET FOOD ENVIRONMENT INDIVIDUAL PHYSICAL ACTIVITY PHYSICAL ACTIVITY ENVIRONMENT

nccor.org/measures

The graphic is a promotional banner for the Measures Registry. It features a blue banner at the top with the text 'MEASURES REGISTRY' and 'Just Updated!' in white. To the right is the NCCOR logo. Below this, the number '188' is prominently displayed in a large, bold, purple font, followed by the text 'new articles with valid and reliable measures' in a smaller purple font. At the bottom, there are four colored boxes with icons and text: a dark blue box for 'INDIVIDUAL DIET' (plate and fork icon), a green box for 'FOOD ENVIRONMENT' (plate and fork icon), a blue box for 'INDIVIDUAL PHYSICAL ACTIVITY' (hand holding a pencil icon), and a grey box for 'PHYSICAL ACTIVITY ENVIRONMENT' (person walking icon). A purple banner at the bottom right contains the URL 'nccor.org/measures'.

NCCOR Tools: CSS

- Updated FLASHE system with public use geoFLASHE dataset with neighborhood variables



The screenshot shows the NCCOR Catalogue of Surveillance Systems interface. At the top, the NCCOR logo and 'Catalogue of Surveillance Systems' are displayed. Below this, a green header bar identifies the 'Family Life, Activity, Sun, Health, and Eating (FLASHE) Study'. A navigation menu includes 'At A Glance' (selected), 'Sampling', 'Key Variables', and 'Data Access & Cost'. The main content area provides details about the study's purpose, target population, and sponsor.

NCCOR
Catalogue of Surveillance Systems

Family Life, Activity, Sun, Health, and Eating (FLASHE) Study

At A Glance | Sampling | Key Variables | Data Access & Cost

PURPOSE
The purpose of the study is to help researchers understand lifestyle behaviors that relate to cancer risk. The majority of the survey questions focus on diet and physical activity, with additional survey items about sleep, sun safety, and tobacco use.

TARGET POPULATION
Parents/Caregivers and their adolescent children (aged 12-17 years)

CONDUCTED
Researchers collected data from dyads of parent/caregivers and their adolescent children (ages 12-17) between April-October 2014.

SPONSOR
National Cancer Institute, National Institutes of Health

nccor.org/css

National Childhood Obesity Awareness Month

NATIONAL CHILDHOOD OBESITY AWARENESS MONTH

Health, Behavioral Design, and the Built Environment Project

MULTIDISCIPLINARY PARTNERSHIPS TO REDUCE CHILDHOOD OBESITY




NCCOR
National Collaborative on Childhood Obesity Research

NATIONAL CHILDHOOD OBESITY AWARENESS MONTH

Engaging Health Care Providers and Systems Project

MULTIDISCIPLINARY PARTNERSHIPS TO REDUCE CHILDHOOD OBESITY



NCCOR
National Collaborative on Childhood Obesity Research

NATIONAL CHILDHOOD OBESITY AWARENESS MONTH

Increasing Opportunities for Trail Use to Promote Physical Activity and Health Among Underserved Youth Project

MULTIDISCIPLINARY PARTNERSHIPS TO REDUCE CHILDHOOD OBESITY



NCCOR
National Collaborative on Childhood Obesity Research

NCCOR @NCCOR · Sep 20

Multidisciplinary partnerships can accelerate progress in reducing #childhoodobesity. @NCCOR discusses benefits of using a collaborative model to address #publichealth problems in an @AmJPrevMed publication. #NCOAM



NATIONAL CHILDHOOD OBESITY AWARENESS MONTH

A Collaborative to Advance Solutions-Oriented Research for Childhood Obesity

AMERICAN JOURNAL OF PREVENTIVE MEDICINE



NCCOR
National Collaborative on Childhood Obesity Research

NCCOR Publication in AJPM
www.nccor.org


6 4

Participated in Twitter Chat


CATALOGUE OF SURVEILLANCE SYSTEMS



One-stop access to **over 100** publicly available datasets

 nccor.org/css





 **NCCOR** @NCCOR · Sep 26

A9: @NCCOR's NEW fact sheet illustrates how the **NCCOR** model can help inform public-private partnerships to address #childhoodobesity and other complex #publichealth problems. #NCOAM #ChapCareChat

Steps for Building a Public Health Collaborative
NCCOR CASE STUDY



- 1 IDENTIFY** Key Knowledge Gaps 
- 2 CREATE** a Shared Identity 
- 3 DEVELOP** Structures for Collaboration 
- 4 IDENTIFY** Effective Leaders 
- 5 FACILITATE** Continuous Knowledge Exchange 
- 6 SUPPORT** Assessment of Progress and Feedback 

NATIONAL CHILDHOOD OBESITY AWARENESS MONTH

Steps for Building a Public Health Collaborative: NCCOR Case Study
www.nccor.org

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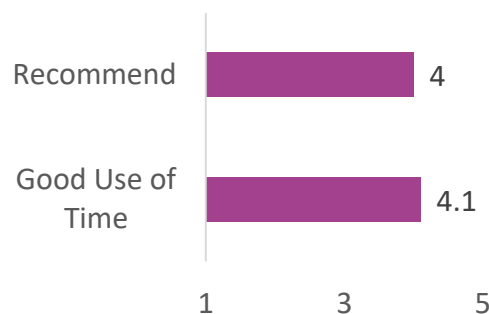
Connect & Explore | Sept. 25, 2018

- The Healthy Communities Study: How Community Programs and Policies are Related to Children's Health
 - S. Sonia Arteaga, PhD, *National Institutes of Health*
 - Stephen Fawcett, PhD, MA, *University of Kansas*
 - Russell Pate, PhD, *University of South Carolina*
 - Lorrene Ritchie, PhD, RD, *University of California Division of Agriculture and Natural Resources*

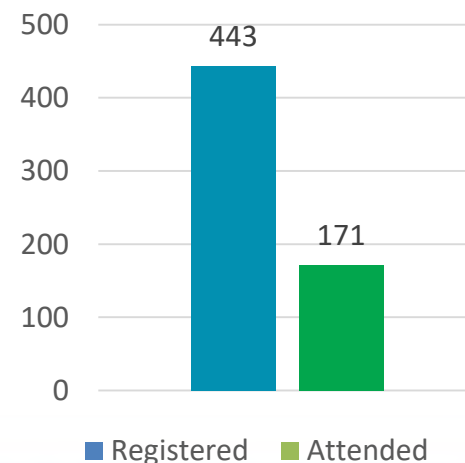
Audience Affiliation



■ Government ■ Academic Institution
■ Nonprofit ■ Private Sector



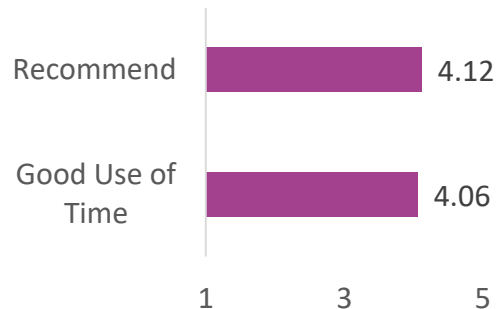
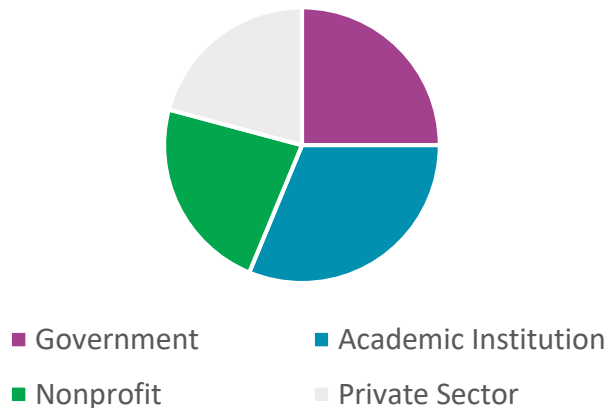
Registration and Attendance



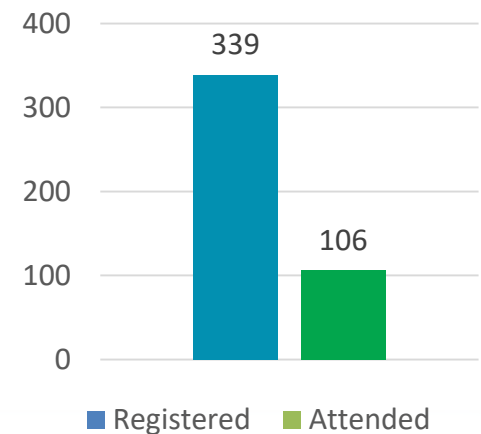
Connect & Explore | Oct. 23, 2018

- Innovations in Behavioral Design to Enhance Active Living and Healthy Eating
 - Jeri Brittin, PhD, *HDR*
 - Joel Kimmons, PhD, *Centers for Disease Control and Prevention*
 - Kimberly Rollings, PhD, *University of Notre Dame*

Audience Affiliation



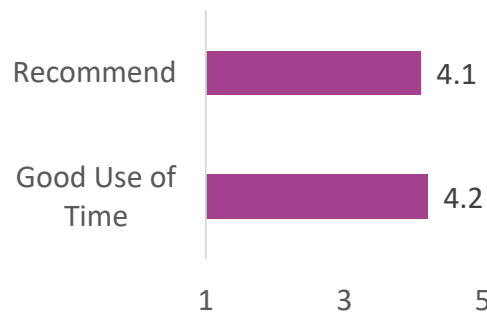
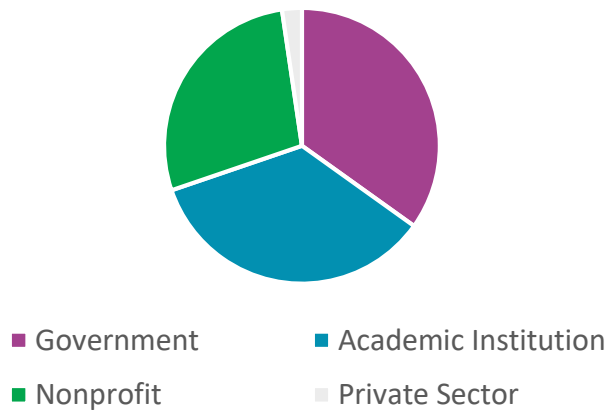
Registration and Attendance



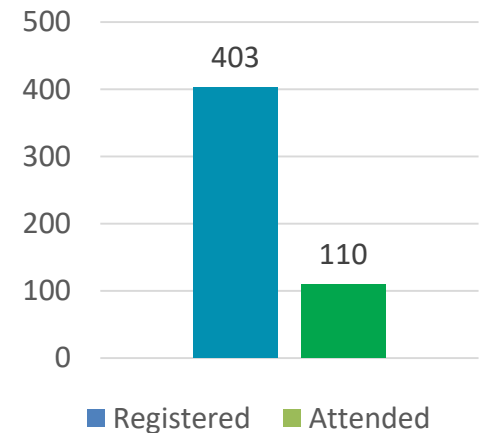
Connect and Explore | Nov. 6, 2018

- America's Eating Habits: Food Away From Home
 - Michelle Saksena, *United States Department of Agriculture*

Audience Affiliation



Registration and Attendance



American Public Health Association 2018

- Tools of the Trade: NCCOR Resources for Evidence-Based Practice in Diet and Physical Activity
- Tuesday, November 13, 2018; 3:00–4:30 p.m. PT
- Speakers:
 - Laura Kettel Khan, PhD, CDC
 - Jim Sallis, PhD, UC San Diego
 - Jamie Chriqui, PhD, UIC at Chicago
 - Barbara Ainsworth, PhD, University of Arizona
- NCCOR Exhibit Booth #2021

SESSION 4355.0

Tools of the Trade:
NCCOR Resources for Evidence-Based Practice in Diet and Physical Activity

Tuesday, November 13, 2018
3:00 – 4:30 p.m.
Sapphire Ballroom GH – Hilton

Barbara Ainsworth
PhD

Jamie Chriqui
PhD, MHS

Laura Kettel Khan
PhD

James Sallis
PhD

Other NCCOR Activities

- Catalogue of Surveillance Systems
- Childhood Obesity Declines: Exploring Promising Approaches
- CORD
- Economics and Obesity
- Engaging Health Care Providers and Systems
- FLASHE Study
- Food Patterns Equivalents Database
- Get Research Used
- Health, Behavioral Design, and the Built Environment
- Healthy Communities Study
- Healthy Eating Index
- Healthy Food Incentives
- Johns Hopkins Global Obesity Prevention Center
- Lessons Learned from Global Efforts
- Measures Registry
- National Leadership on Evaluating Obesity Prevention Efforts
- Physical Activity
- Registry of Studies
- School Wellness Survey
- SNAP-Ed
- Youth Energy Expenditure
- Other

For updates on the progress of NCCOR's workgroups, visit: <http://nccor.org/internalresources>

Announcements

NCCOR CC New Staff

- NCCOR CC has two new staff members!
 - Rudhdi Karnik
rkarnik@fhi360.org / 202-884-8000
 - Alice Gribbin
agribbin@fhi360.org / 202-884-8329

Calendar Reminders

- **Member Meetings**

- March 7, 2019 (Washington, DC)
- June 13, 2019 (Atlanta, GA)
- September 12, 2019 (Washington, DC)

- **Member Calls**

- January 16, 2019
- April 17, 2019
- July 17, 2019
- November 20, 2019