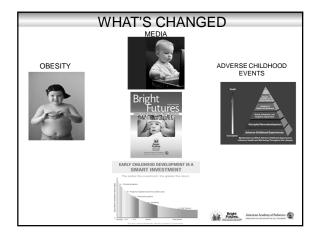
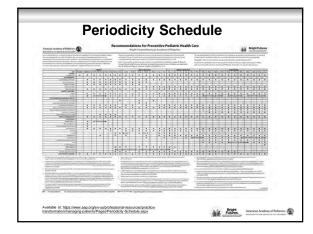


## LEARNING OBJECTIVES

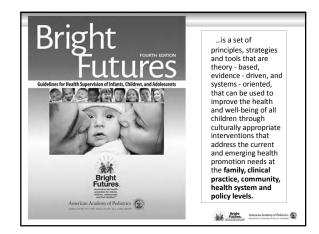
- Recognize how the Media is impacting young minds
- Summarize how AAP can promote lifelong health
- Discuss how a child's Zip Code influences their health



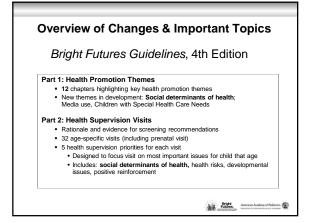












### Bright Futures Guidelines, 4th Edition

- Child Healthy Development
- Family Support
- Mental Health and
   Emotional Wall Boing
- Emotional Well-Being
- Nutritional Health
- Physical Activity
- Healthy Weight
- Promoting Lifelong Health for Families and Communities
- Oral Health
- Healthy Sexuality
- Safety and Injury Prevention
- Promoting the Healthy and Safe Use of Social Media
- Children and Youth with Special Health Care Needs

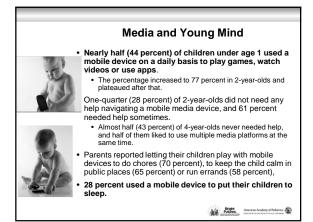


## Media and Young Mind

 Researchers surveyed parents of children at an academic medical center in a low-income minority community in Philadelphia for a well or sick visit in late 2014. Almost all the 350 patients' households had

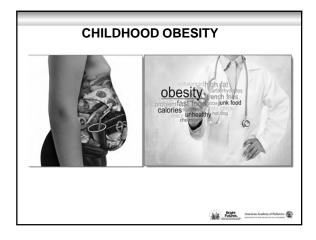
- r sick visit in late 2014. Al
   Televisions (97 percent)
- Tablets (83 percent)
- Smartphones (77 percent)
- Video consoles (56 percent),
- Computers (58 percent) and Internet access (59 percent).
- Overall, 97 percent of the children had used a mobile device.
   By age 2, children's ownership of mobile devices surpassed that of television.
- At age 4, half of the children had their own television, while nearly three-quarters had their own mobile device.

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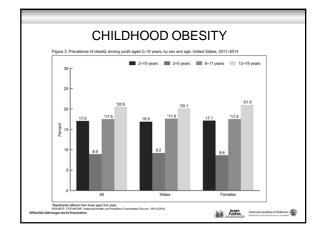




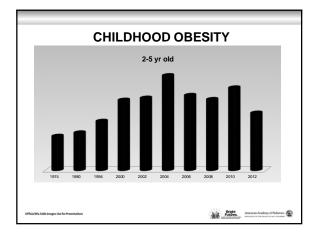














#### CHILDHOOD OBESITY

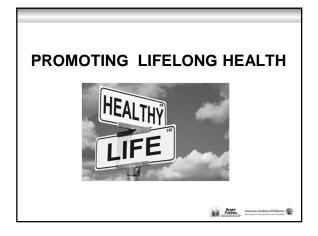
- There is no evidence for health benefits and some evidence for negative health effects of sweetened beverages (sodas, iced teas, sports drinks, juice drinks).
  - Health-promotion efforts should aim at removing all sweetened beverages from the diets of children.
- The ideal beverage for children at all meals and during the day is water.
  - Low-fat or fat-free, preferably unflavored, milk also has an important place in the diet of children beginning at 12 months of age.
  - One hundred percent fruit juice should not be used before 1 year of age and should be limited thereafter.
  - Fruits should be encouraged over fruit juice.



## CHILDHOOD OBESITY

#### Prevention of childhood obesity should start before 2 years of age by promoting healthy

- Maternal weight beginning in the prenatal period, smoking cessation before pregnancy,
- Appropriate gestational weight gain and diet,
- Breastfeeding and appropriate weight gain in infancy,
- Transition to healthier foods with weaning,
  Elimination of sedentary entertainment, active play for physical activity,
- Parental role modeling of healthy dietary and physical activity behaviors.



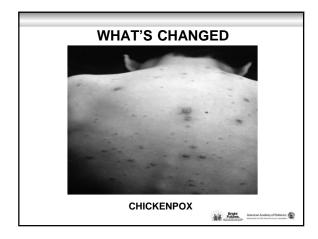






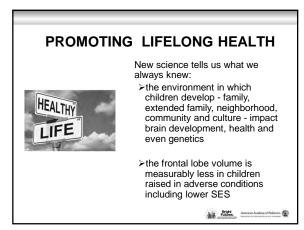








Disease	20th Century Annual Morbidity <sup>b</sup>	2010 Reported Cases <sup>c</sup>	Percent Decrease
Smallpox	29 005	0	100
Diphtheria	21 053	0	100
feasles	530 217	63	>99
Mumps	162 344	2612	98
Pertussis	200 752	27 550	86
Polio (paralytic)	16 316	0	100
Rubella	47 745	5	>99
Congenital rubella syndrome	152	0	100
Fetanus	580	26	96
Haemophilus influenzae	20 000	246 <sup>d</sup>	99



8

#### PROMOTING LIFELONG HEALTH

ADVERSE CHILDHOOD EXPERIENCES STUDY (ACES)

- The CDC-Kaiser Permanente Adverse Childhood Experiences (ACE) Study is one of the largest investigations of childhood abuse and neglect and later-life health and well-being.
- The original ACE Study was conducted at Kaiser Permanente from 1995 to 1997 with two waves of data collection.
- Over 17,000 Health Maintenance Organization members from Southern California receiving physical exams completed confidential surveys regarding their childhood experiences and current health status and behaviors.

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#### PROMOTING LIFELONG HEALTH ADVERSE CHILDHOOD EXPERIENCES STUDY QUESTIONS

 Did a parent or other adult in the household often or very often...Swear at you, insult you, put you down, or humiliate you? or Act in a way that made you afraid that you might be physically hurt? If yes enter 1 \_\_\_\_\_\_

 Did a parent or other adult in the household often or very often...Push, grab, slap, or throw something at you? or Ever hit you so hard that you had marks or were injured? If yes enter 1 \_\_\_\_\_\_

 Did an adult person at least 5 years older than you ever...Touch or fondle you or have you touch their body in a sexual way? or Attempt or actually have oral, anal, or vaginal intercourse with you? If yes enter 1

4. Did you often or very often feel that ...No one in your family loved you or thought you were important or special? or Your family didn't look out for each other, feel close to each other, or support each other? If yes enter 1 \_\_\_\_\_\_

5. Did you often or very often feel that ... You didn't have enough to eat, had to wear dirty clothes, and had no one to protect you? or Your parents were too drunk or high to take care of you or take you to the doctor if you needed it? If yes enter 1\_\_\_\_\_

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#### **PROMOTING LIFELONG HEALTH** ADVERSE CHILDHOOD EXPERIENCES STUDY

QUESTIONS 6. Were your parents ever separated or divorced? If yes enter 1

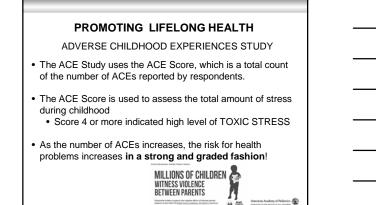
7. Was your mother or stepmother: Often or very often pushed, grabbed, slapped, or had something thrown at her? or Sometimes, often, or very often kicked, bitten, hit with a fist, or hit with something hard? or Ever repeatedly hit at least a few minutes or threatened with a gun or knife? If yes enter 1 \_\_\_\_\_\_

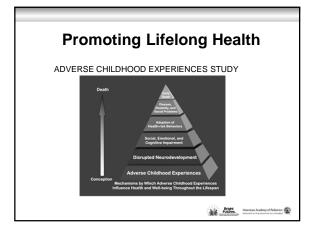
8. Did you live with anyone who was a problem drinker or alcoholic or who used street drugs? If yes enter 1 \_\_\_\_\_

9. Was a household member depressed or mentally ill, or did a household member attempt suicide? If yes enter 1 \_\_\_\_\_\_

10. Did a household member go to prison? If yes enter 1

Now add up your "Yes" answers: \_\_\_\_\_ This is your ACE Score.





## What We Know

#### Life Course Concepts:

- >Health trajectories are largely shaped by events during critical periods of early development
- >Cumulative effect of experiences and exposures influences adult health
- Biological, physical, and social environments influence the capacity to be healthy by creating risk factors and strengths and protective factors for children/families.

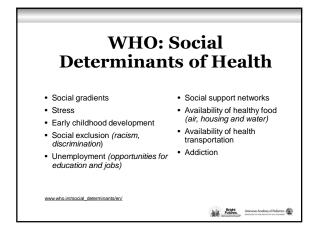
www.hrsa.gov/ourstories/mchb75th/images/rethinkingmch.pdf

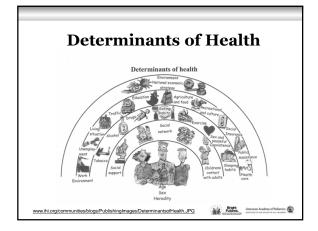
## Social Determinants of Health

Health is also determined in part by access to social and economic opportunities; the resources and supports available in our homes, neighborhoods, and communities; the quality of our schooling; the safety of our workplaces; the cleanliness of our water, food, and air; and the nature of our social interactions and relationships. - Healthy People 2020, US HHS, <u>HealthyPeople.gov</u>.

"the conditions in which people are born, grow, live, work and age and the wider set of forces and conditions shaping the conditions of daily life."  $- \frac{WHO}{}$ 

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## **Promoting Lifelong Health**

THE ROBERT WOODS JOHNSON FOUNDATION COLLABORATION TO BUILD HEALTHIER COMMUNITIES

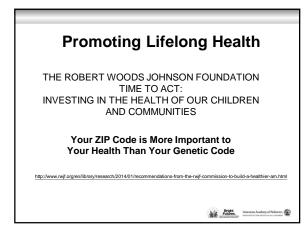
Collaboration between the health sector and other sectors might generate new opportunities to improve health, but we need to understand the degree to which such cross-sector collaboration occurs, whether it has positive effects, and if so, the factors that underlie successful cross-sector, health-improving initiatives.

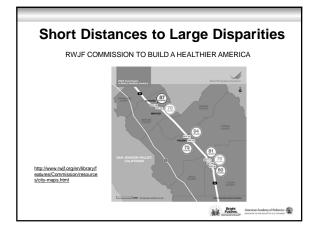
#### • RWJ

Wilder ResearchThe Federal Reserve Bank of Minneapolis

http://www.rwjf.org/en/library/research/2013/06/collaboration-to-build-healthier-communities.html

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#### **ZIP CODE 93701**

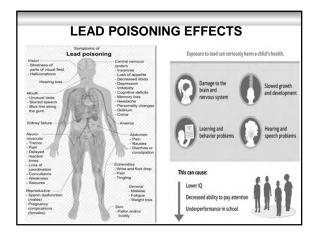
- Children in Fresno Zip Code 93701
  - 14% Tested Children have a lead level > 5 mg %
    Which is three times more than Flint Water Crisis
- Flint Water Crisis
  - Change of water supply for cost saving result in water with high lead level
  - 5% of Flint children tested high for lead during its drinking water crisis
- San Bernardino
  - + 5% Tested Children have a lead level > 5 mg %

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## LEAD LEVEL

- Until 2012, children were identified as having a blood lead "level of concern" if the test result is 10 or more micrograms per deciliter of lead in blood.
   CDC is no longer using the term "level of concern" and is
  - CDC is no longer using the term "level of concern" and is instead using the reference value to identify children who have been exposed to lead and who require case management.
- Currently, the Centers for Disease Control and Prevention (CDC) blood level of concern is 5 micrograms per deciliter of lead in blood for children.

• INDICATES LEAD EXPOSURE





# Life Trajectories are NOT Set in Stone

Interactive processes

- The development of health over a lifetime is an interactive process, combining genes, environment and behaviors
- Patients/families have varying abilities and strengths that can be developed to increase their protective factors
- Lifelong development/lifelong intervention
- At all stages of life, even for those whose trajectories seem limited, risk factors can be reduced and protective factors enhanced, to improve current and subsequent health and wellbeing

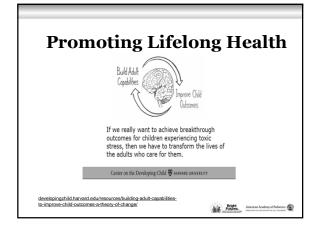


## Serve and Return

Serve and return interactions shape brain architecture:

- Infant babbling, crying, gesturing
- Adult eye contact, words, imitation, touch
- Neural connections that support communication and social skills development
- Emotional development occurs in the context of a relationship (bonding, attachment, reading cues)





# **Social Determinants That Protect Health**

- · Parental knowledge and skills about child development and caretaking
- Good parental or caregiver physical and mental health
- Positive father involvement .
- Strong emotional bond or attachment between infant/child and parent/caregiver
- Social supports (ie, friends, neighbors, relatives, faith-based groups, and other agencies)

The <u>Bright Fut</u> on identifying

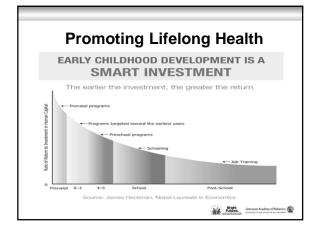
- Early Childhood Education
- High school education level or higher for parents/caregivers · Opportunities for stable income/employment for household
- · Food security for household

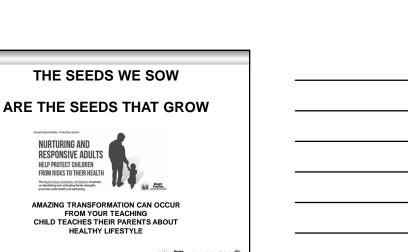
Safe and good housing

· Stable/secure home life

- Safe neighborhood with no violence · Community resources for fresh
- produce, exercise, social interactions
  - Bright Futures. American Academy of Pediatris

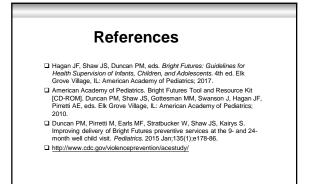
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Head Start Early Childhood Health & Wellness

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- Bright Futures <u>https://brightfutures.aap.org/Pages/default.aspx</u>
- Books Build Connections

   https://littoolkit.aap.org/forfamilies/Pages/home.aspx
- Well-Visit Planner <u>http://wellvisitplanner.org/</u>

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