Transforming Primary Care: Whole Child, Whole Family Approach

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Disclosure

Barry Zuckerman, MD has no relationships with commercial companies to disclose.

Learning Objectives
At the end of this presentation the participant will:
1. Know how to promote reading during a primary care visit;
2. Know how to identify and refer important problems facing mothers; IPV, depression, family planning.
3. Know how to use lawyers in primary care;

Whole Child, Whole Family

A. Promote Child Development
1. Reach Out and Read
2. Parental Self Understanding

B. Promote Maternal Health
1. Depression
2. IPV
3. Unplanned Pregnancy
4. Cigarette Smoking

C. Address Social Determinants
1. MLP
2. HealthLeads

Promoting Child Development
• Reach Out and Read

Reading Difficulties in Low SES Children

- 55% of children with reading difficulties in 4th grade
- 24% of children from low poverty level
- 185% poverty level
Parental Language Addressed to Child by SES (Hart & Risley, 1995)


The average number of words the child would hear:

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<th>Week</th>
<th>3 Years</th>
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<tr>
<td>Welfare</td>
<td>61,000 words</td>
<td>30,000,000</td>
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<tr>
<td>Working class</td>
<td>125,000 words</td>
<td>20,000,000</td>
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<tr>
<td>Professional</td>
<td>215,000 words</td>
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Vocabulary at age 3:

- Professional: 1100 words
- Working class: 700 words
- Welfare: 500 words

“The single most important activity for building the knowledge required for eventual success in reading”

Report of the Commission on Reading
National Institute of Education, 1985;
Echoed in IRA-NAEYC joint statement, 1998
Children's Expressive and Receptive Language Competencies
(Mendelsohn et al., 2001)

- Receptive language
- Expressive language

Promoting Child Development
- Reach Out and Read
- Parenting
  - Family History
  - Parental Self-Understanding
Parents’ Childhood Experiences: Parental Self-Understanding

- What was it like growing up? Who was in your family?
- Do you plan to raise your child like your mother and father raised you?
- How did you get along with your parents?
- Did you ever feel rejected or threatened by your parents? Do they continue to influence your life?
- If you had difficult times during your childhood, were there positive relationships in or outside of your home that you could depend on during those times?

Two Generation Model of Care

- Maternal Depression
- Domestic Violence
- Preventing Unplanned Pregnancy
- Cigarette Smoking

Maternal Depression

- Prevalence – 5-10% of mothers
- Consequences – Child learning and behavior problems, injuries, etc.
- Pediatric Implications
  1. Identification
  2. Referral

Childhood Exposure to Domestic Violence

1. Prevalence:
   - 15m children; 7m witness severe violence
2. Impact: Repeated activation of ANS and HPA
   - Changes in brain
   - Asthma
   - Learning and behavior in meta analysis
     - 63% emotional health problems
3. AAP: Routine IPV screening to attenuate consequences and prevent reoccurrence

Preventing Unplanned Pregnancy: A Pediatric Opportunity

1. Prevalence:
   - 6.7 million pregnancies/ year unintended
   - 43% end in abortion
2. Cost: $11 billion in 2006
3. Consequences
   1. Increase in mother-infant morbidity
   2. Reduce financial and emotional resources
4. Pediatric Opportunity: High Value
   1. Ask the question; primary care and ED
   2. LARCs – 99% effective and safe
   3. Effective referral vs. insertion

Social Determinants

- Medical-Legal Partnership
- HealthLeads
Specialist saves the day

- A 11-year-old boy arrives for an urgent care visit. In the past 2 months, he has needed several courses of oral steroids despite an appropriate medication regimen and an asthma action plan which his mother follows. However, the landlord has refused to do the needed pest control measures you suggested.
- The patient has missed school repeatedly and is at risk of failing.
- A new specialist was consulted and within 6 weeks, the teen was weaned off steroids and was back in school.

Medical-Legal Partnership for Disparity Reduction

- Biological
- Doctors
- Social
- Lawyers
- Childhood Illness

Social History in Med Chart

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Homes of local asthmatics

- College volunteers “fill” prescriptions for community-based resources
- 660 college volunteers connected 6000 families in 22 clinics in 6 cities to community resources; 60% within 90 days
- Pipeline: 83% of HealthLeads graduates entered job or graduate study in field of health and poverty.