


CAVITY FREE AT THREE

A PROGRAM INCORPORATING
EARLY CHILDHOOD CARIES
PREVENTION INTO WELL CHILD CARE

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CAVITY FREE AT THREE



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Cavity Free at Three is presented by:

- Caring for Colorado Foundation
- The Colorado Health Foundation
- The Colorado Trust
- Delta Dental Foundation of Colorado
- Kaiser Permanente
- Rose Community Foundation

We work in partnership with

- The CU School of Medicine
Department
- The CU School of Dental Medicine
- Colorado Area Health Education Center



LEARNING OBJECTIVES

1. Strategies for training medical providers to incorporate caries risk assessment, education of primary caregivers, self management goal setting and fluoride varnish into well child care
2. How to work with medical practices to incorporate oral health education into already full well child schedules
3. Advise practices on billing guidelines for reimbursement
4. Discuss how to build stronger linkages between physicians and dentists to share the responsibility of early childhood caries

CONSEQUENCES OF ECC



- Pain
- Impaired chewing and nutrition
- Infection
- Increased caries in permanent dentition
- School /work absences
- Extensive dental work
- Financial burden of dental work

CONSEQUENCES OF ECC

In Colorado, an estimated 540,000 elementary school hours were lost due to dental visits or oral health problems in 2007. This averages to 1.2 hours lost per child.

28% of children 2-5 years old have already experienced tooth decay

By age 11, 49% of children have experienced tooth decay

Colorado Department of Public Health and Environment, Oral Health Program.
The Impact of Oral Disease on the Health of Coloradans, Denver, CO, 2005.
<http://www.cdphes.state.co.us/pp/oralhealth/impact.pdf>.

COST OF DENTAL CARE

The lack of access to preventive dental measures can result in high costs for complex restorative procedures, especially if the child requires hospital-based care. Such care can cost as much as \$15,000 per admission, carries a slight but real risk of anesthetic death, and places big burdens on public resources and state Medicaid budgets.

6 Cantrell, C. "Engaging Primary Care Medical Providers in Children's Oral Health." National Academy for State Health Policy. Portland, ME, September 2009.

ACCESSING CARE

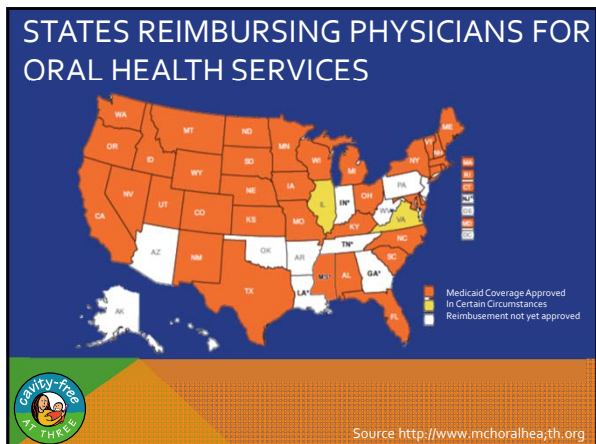


Because many children will see doctors and nurses earlier and more often than dentists, states have turned to medical providers to help prevent tooth decay.

Source: www.pewcenteronthestates.org

ROLE OF PRIMARY CARE PROVIDERS

- Primary care providers are essential in establishing the importance of the prevalence and prevention of early childhood caries in their patients
- Referral to dental providers establishes the all important in conjunction with the medical home concept
- Collaborative relationships are built between multiple providers offering the best possible care for patients and families.



ROLE OF PRIMARY CARE PROVIDERS

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MEDICAL PROVIDER OPPORTUNITIES

Vaccine	Age	Birth	1 month	2 months	4 months	6 months	12 months	15 months	18 months	19-23 months	3-3 years	4-6 years
Hepatitis B ¹		HepB	HepB				HepB					
Rotavirus ²			RV	RV		RV ²						
Diphtheria, Tetanus, Pertussis ³			DTaP	DTaP	DTaP	DTaP ³	DTaP					DTaP
Haemophilus influenzae type b ⁴			Hib	Hib	Hib ⁴	Hib						
Pneumococcal ⁵			PCV	PCV	PCV	PCV						PPSV
Inactivated Poliovirus ⁶			IPV	IPV		IPV						IPV
Influenza ⁷							Influenza (Yearly)					
Measles, Mumps, Rubella ⁸						MMR		see footnote ⁸				MMR
Varicella ⁹						Varicella		see footnote ⁹				Varicella
Hepatitis A ¹⁰							HepA (2 doses)					HepA Series
Meningococcal ¹¹												MCV

ORAL HEALTH IN THE MEDICAL OFFICE

- Must include
 - Oral examination
 - Risk assessment
 - Education of primary caregiver
 - Fluoride varnish application for high risk
- Must be provided with well child exam



PROGRAM IMPLEMENTATION



- Oral Hygiene
- Dietary Counseling
- Fluoride
- Dental Referral



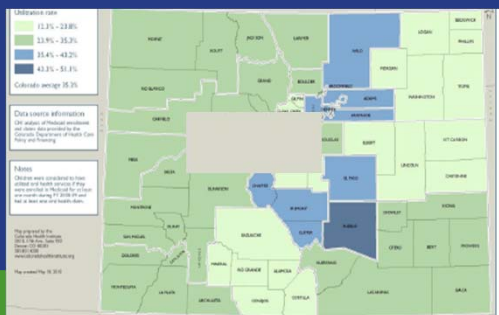
RISK ASSESSMENT

Cavity-free AT THREE		Pediatric Oral Health Screening Medical Office	
NAME	DOB		
DOB	MO		
PCP	Patient ID		
Chief complaint or reason for referral			
Caries risk indicators – based on parent interview		Y	N
1) History of primary caries in last 12 months	2) Other siblings with history of dental decay		
3) Confined use of bottles, nursing, or other non-plain water feeding method	4) Child sleep with bottle or sippy or other oral device		
5) Frequent use of juice, milk, soda, or other sugary drinks	6) Frequent use of fruit juice		
7) Medical history	8) Developmental problems		
9) History of trauma or use of therapy	10) Oral malocclusion		
Protective factors – based on parent interview		Y	N
1) Child uses a fluoride toothpaste	2) Child uses a fluoride mouthwash		
3) Child uses a fluoride toothpaste	4) Child uses a fluoride mouthwash		
Oral examination		Y	N
1) History of dental decay	2) History of dental trauma		
3) History of dental malocclusion	4) History of dental malocclusion		
5) History of dental malocclusion	6) History of dental malocclusion		
7) History of dental malocclusion	8) History of dental malocclusion		
9) History of dental malocclusion	10) History of dental malocclusion		
Assessments: Child's caries risk status (any checked item in shaded areas confers high risk)			
1) HIGH	2) MOD	3) LOW	4) Self Management Goals
Signature of Rendering Provider: _____ Name: _____ # _____			
Supervising Attending: _____ # _____ Date of Service: _____			

COLORADO STATISTICS

- 400,841 children eligible for public insurance in our state.
- 1/3 of children in Colorado are eligible for public insurance
- Statewide, in 2009, 47% of children insured by Medicaid received a dental visit; 65% of commercially insured children have an annual dental visit.

UTILIZATION RATES OF ORAL HEALTH SERVICES BY CHILDREN ENROLLED IN MEDICAID: FY 2008-2009



Map prepared by the Colorado Health Institute, www.coloradohealthinstitute.org

BARRIERS TO PROGRAM IMPLEMENTATION



Dental providers must be willing to see children per the recommended guidelines at age 1.

Public health education initiatives must include oral health and the importance of prevention of early childhood caries.

Medical and dental providers, along with educators and primary care givers must join forces to share the responsibility of preventing dental disease in Colorado children.

EDUCATION is the key to prevention.

COLORADO WORKFORCE NEEDS

43 counties or partial counties have been designated Dental Health Professional Shortage areas.
 15 counties are without a dental Medicaid provider
 21% of dentists in Colorado accept Medicaid patients, and of these providers, only 16% accepting new patients.
 Only 330 dentists see a significant number of Medicaid children annually (at least 100 visits).

INCREASING ACCESS FOR CHILDREN

Public awareness of the importance of dental health to overall health
 Public understanding of the consequences of early childhood caries in terms of pain, nutrition, lost school hours, self esteem, etc.
 The goal of Cavity Free at Three is simple:
 Every child in Colorado should have access to oral health services to prevent dental disease early in life.


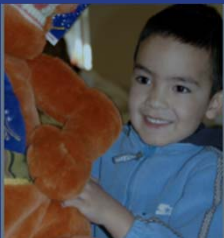


MEDICAL PROVIDERS AND DENTAL PROVIDERS: A JOINT EFFORT

- Medical providers must have clearly established relationships with dental providers to accept referrals when dental decay is identified
- Community relationships between medical and dental providers improves access to care for the most vulnerable children
- Information must be current and easily navigated when searching for dental providers willing to treat children most at risk
- Sharing of responsibility



COLORADO PARTNERSHIP FOR CHILDREN'S ORAL HEALTH



Colorado Partnership for Children's Oral Health
Working to Promote Oral Health for all of Colorado's Children

COLORADO PARTNERSHIP FOR CHILDREN'S ORAL HEALTH

CoPCOH is a consortium of dentists, physicians, public health professionals, foundations and child health advocates working to improve oral health outcomes for children in Colorado

Our vision is that all children in Colorado, regardless of where they live or their insurance status, have access to preventive oral care and a dental home starting at age one.




Colorado Partnership for Children's Oral Health

CoPCOH GOALS

Increase the number of dentists who will provide care to young children and pregnant women

Increase the number of dentists who provide care to children insured by Medicaid



Colorado Partnership for Children's Oral Health

COLORADO'S WINNABLE BATTLES ORAL HEALTH

Increase the proportion of children who have an age 1 dental visit by 3%.

Children on Medicaid will have an annual dental visit at the same rate as commercially insured children.

WE'VE COME A LONG WAY



There have been over 1,057 individuals trained in the Cavity Free at Three model

There are 43 active members of the Cavity Free at Three Technical Assistance Team

We have had 23 training presentations in 2011, with a goal of 30 sites by year end

We have distributed 8,500 fluoride varnish kits through our trainings

There have been an additional 5,422 kits ordered for direct patient care

Over 10,000 infants and families have been est to have received Cavity Free at Three services

LANGUAGE TRANSLATIONS



- Cavity Free at Three outreach efforts provide educational materials in a variety of languages
- Culturally appropriate translated materials provide a vital link to family education
- Translated materials are available through the website:

www.cavityfreeatthree.org

LANGUAGES AVAILABLE

- English
- Spanish
- German
- French
- Vietnamese
- Korean
- Russian
- Somali
- Arabic





Brush your teeth
Cepille sus dientes
Putzen Sie Ihre Zähne
Brossez vos dents
Đánh răng của bạn và
불소가 함유된 치약으로
Чистите свои зубы
Caday ilkahaada iyo
अपनेदाँत दो- बारफ्लोराइड



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QUESTIONS?



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