

The Search for Successful Strategies to Improve Oral Health

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Rationale for Renewed Focus on Oral Health

- Surgeon General's Report "Oral Health in America" (2000) and "Call to Action" (2002)
 - Importance of oral health--general health relationships across the lifespan
 - Significant oral health disparities
 - Need to change perception of oral health and dental care
 - It's about more than 'just teeth' & cosmetics
 - Concept of medically necessary dental services
 - Establish partnerships & networks
 - Build programs based on current science base



Major Issues

- Program Administration / Finance
 - Under-financing / low reimbursement rates
 - 'Silos' between public health & public benefits programs and between public and private sectors
 - Lack of consumer awareness of significance of oral health and disparities

Workforce

- Supply and distribution of dentists
- Scope of practice and supervision issues
- Coordination among medical and dental providers





75%-80% of dental caries in ~25% of US kids
Disease levels higher in Medicaid/SCHIP kids

% of Children with Decayed & Filled Primary Teeth by Income (% of FPL)



Childhood Tooth Decay: A Complex, Chronic, Progressive Disease



and Nutrition Examination Survey, 1988-1994

Medicaid Dental Programs

- Federal-State programs
 - Program administration and financing decisions largely made at the state level
- ~ 24 million children covered by Medicaid
 - Roughly 1/3 of all U.S. children
 - EPSDT benefit for children includes relatively comprehensive coverage for dental services



Generally fewer) adult benefits vary by state



U.S. Dental Care Financing Trends: Total and Public Funding (\$ Billions)



- Total Exp (\$ Billions) — Public Funds



Medicaid Fee Comparisons

| Procedure | Procedure | UX 2004 Medicaid | | UX Dentists 50th %-ile | | UX Dentists 75th %-ile | | |
|--------------|---|---------------------|--------|------------------------------|--------|------------------------------|--------|--------------------------------|
| Code | Description | Rates | | Fees (2003) | | Fees (2003) | | UX Medicaid Rates %-iles |
| Diagnostic | | | | | | | | |
| D0120 | Periodic Oral Exam | \$ | 12.08 | \$ | 25.00 | \$ | 28.00 | <1st |
| D0150 | Initial/Comprehensive Oral Exam | \$ | 18.33 | \$ | 36.00 | \$ | 40.00 | <1st |
| D0210 | Complete X-rays, with Bitewings | \$ | 40.83 | \$ | 65.00 | \$ | 81.00 | 26th |
| D0272 | Bitewing X-rays – 2 Films | \$ | 12.08 | \$ | 25.00 | \$ | 26.00 | <1st |
| D0330 | Panoramic X-ray Film | \$ | 33.33 | \$ | 60.00 | \$ | 65.00 | <1st |
| Preventive | | | | | | | | |
| D1120 | Prophylaxis (cleaning)-Child | \$ | 20.83 | \$ | 36.00 | \$ | 39.00 | <1st |
| D1203 | Topical Fluoride (excluding prophylaxis). | \$ | 0.00 | \$ | 18.00 | \$ | 21.00 | <1st |
| D1351 | Dental Sealant | \$ | 13.33 | \$ | 25.00 | \$ | 29.00 | <1st |
| Restorative | | | | | | | | |
| D2150 | Amalgam, 2 surfaces, permanent tooth | \$ | 37.50 | \$ | 76.00 | \$ | 84.00 | <1st |
| D2331 | Resin, 2 surfaces, anterior tooth | \$ | 36.67 | \$ | 95.00 | \$ | 105.00 | <1st |
| D2751 | Crown, porcelain fused to base metal | \$ | 200.00 | \$ | | | | <1st* |
| D2930 | Prefabricated Steel Crown, primary tooth | \$ | 64.17 | \$ | 140.00 | \$ | 160.00 | <1st |
| Endodontics | | - | | | | | | |
| D3220 | Removal of tooth pulp | \$ | 20.00 | \$ | 85.00 | \$ | 104.00 | <1st |
| D3310 | Anterior Endodontic Therapy | \$ | 116.67 | \$ | 375.00 | \$ | 398.00 | <1st |
| Oral Surgery | | | | | | | | |
| D7110 | Extraction, single tooth | \$ | 37.50 | \$ | 69.00 | \$ | 82.00 | 1st |

Financing Considerations: Bottom Line

- Most states' Medicaid payment rates are substantially below market rates
- Results of 3 actuarial analyses:
 - -\$14-\$20 PMPM for services
 - -\$17-\$25 PMPM for premiums





 Programs that don't start with adequate funding cannot succeed in meeting program requirements or the needs of children

Recent Medicaid Financing Innovations

| STATE | Adjustments Made to Medicaid Rates (Market-based Benchmarks) | Changes in Dentists' Participation in Medicaid Following Rate Increases | Intervals (mos.) Between Rate Increases and Changes in Provider Participation | |
|--|---|---|---|--|
| Alabama | 100% of Blue Cross rates | +39% | 24 | |
| Delaware | 85% of each dentist's submitted charges | 1 pvt. dentist to 108 (of 302 licensed dentists) | 48 | |
| Georgia | 75 th <u>percentile</u> of dentists' fees | +546% (to 1,674 of 4,000) | 27 | |
| Indiana | 75 th <u>percentile</u> of dentists' fees | +58% | 54 | |
| Michigan (Healthy Kids Dental Program) | 100% of Delta Dental Premier rates | +300% | 12 | |
| South Carolina | 75 th <u>percentile</u> of dentists' fees | +73% | 36 | |
| Tennessee | 75 th <u>percentile</u> of dentists' fees | +60% | 4 | |

MI Healthy Kids Dental Program Increase in Access: 1st 12 mos.



Figure. Utilization in 12 months by continuously enrolled children in 22 Michigan counties. DDPM: Delta Dental Plan of Michigan. HKD: Healthy Kids Dental demonstration program of Michigan Medicaid.



Eklund et al., JADA 2003:134:1509-1515.

Too much of a good thing??? Switch to PPO rates: "66%-89% higher than traditional Medicaid"

🛆 DELTA DENTAL





November 01, 2005

Name Address 1 Address 2 City State Zip

Dear Doctor:

More than 174,000 Michigan children are currently enrolled in the Healthy Kids Dental (HKD) and MIChild programs administered by Delta Dental. Because of the success of these programs, which includes the American Dental Association's selection of Healthy Kids Dental as a national model, the Michigan Department of Community Health (MDCH), Delta Dental, and the Michigan Dental Association (MDA) are committed to continuing these programs.

Enrollment in HKD has increased from 95,000 children in 2000 to over 150,000 today, and the percentage of beneficiaries who use their coverage has also increased. HKD and MIChild are enabling an underserved population to receive highquality dental care; however, the enrollment and utilization increases are resulting in continually rising costs. These increases necessitate the following changes that will be effective January 1, 2006:

- HKD AND MICHILD: Reimbursement to all participating dentists for services rendered to enrollees of the HKD and MIChild programs will be based on Delta Dental's DeltaPreferred Option (DPO) fee schedule. Counties will no longer be designated as DeltaPremier-only or DeltaPreferred Option-only. Eligible enrollees will be able to receive treatment from any DeltaPremier dentist who agrees to accept the lesser of the dentist's submitted fee or the amount in the attached fee schedule. The dentist will not be able to balance bill the enrollee for the difference between the charges and the attached fee schedule. This schedule is, on average, 66 percent to 89 percent higher than traditional Medicaid reimbursement.
- HKD ONLY: The Healthy Kids Dental program is designed to deliver medically necessary treatment; consequently, the removal of asymptomatic third molars will no longer be a covered benefit

DeltaPremier dentists may elect to opt out of only the Healthy Kids Dental and MIChild programs and continue to participate with all other DeltaPremier groups. To opt out, mail or fax a statement to Delta Dental declaring nonparticipation with only these two programs. Please include the doctor's name, tax identification number, license number, and office address. For all statements received after January 1, 2006, nonparticipating status for HKD and MIChild will be effective 30 days from the date Delta Dental receives the statement. Address your request to Provider Records, Delta Dental, P.O. Box 30416, Lansing, MI 48909-7916, or fax to (517) 706-3618. If you opt out of the programs, please inform the Healthy Kids Dental and MIChild enrollees who are in your practice that they will need to find a new dental provider

Enclosed is an addendum to your current DeltaPremier contract allowing this special reimbursement for Healthy Kids Dental and MIChild enrollees and a fee schedule for covered services.

If you have questions, please contact Delta Dental's Customer Service department at (800) 462-7283

President



Parl Reinhard

President and CEO

Paul Reinhart Director Medical Services Administration Michigan Department of Community Health

Michigan Dental Association Delta Dental Plan of Michigan

- Switch from Delta Premier to Delta PPO effective Jan., 2006
- Fee schedule 66%-89% higher than traditional Medicaid
- Providers can disenroll from Medicaid and still remain Delta Premier providers (for private beneficiaries)



RWJ Foundation Support

Robert Wood Johnson Foundation State Action for Oral Health Access (SAOHA) Program

Development and testing of innovative systematic approaches for improving access to oral health services for low-income, minority and disabled populations.





State Applicants and Awarded Grants

Funded by The Robert Wood Johnson Foundation (RWJF): December 1, 2002 to November 30, 2005

36 States applied

6 States funded, each receiving up to \$1 Million:

- Arizona
- Oregon

Pennsylvania

Rhode Island

Vermont

South Carolina

• • •

Overall Goal and State Strategies

 Overall Goal – Improve access to oral health services for low-income, minority and disabled populations

| PROPOSED STRATEGIES | AZ | OR | ΡΑ | RI | SC | VT |
|---|----|----|----|----|----|----|
| Developing state financing and purchasing | | | | | | |
| strategies | | | | X | | X |
| Broadening provider networks | x | x | x | x | x | x |
| Expanding the dental safety net | x | | x | x | x | x |
| Enhancing consumer and provider | | | | | | |
| education | X | X | | | X | X |



SAOHA State Strategies

Arizona:

- Train general dentists to treat individuals with special needs
- Affiliated practice arrangements among dentists and hygienists
- Align MCO dental contracts with state public health goals

Oregon:

- Focus on Early Childhood Caries
- Develop community-based system to provide dental homes for pregnant women and children (Klamath County model)
- Goal of cavity-free 2-year olds



Pennsylvania:

- Expand special needs services to rural location;
- Special needs Hot line for location of dentists
- Increase training for expand duty dental assistants

SAOHA State Strategies

Rhode Island:

- Performance-based Dental Benefit Manager for new program targeted to providing dental homes for young children
- Partnership with community foundations for expansions of safety-net and pediatric dentistry residency training programs
- Welfare to work dental assistant training program

South Carolina:

- Develop medical practice linkages to dentists;
- Faith-based partnerships for consumer education
- Dental school partnership for dental and medical provider education

Vermont:

- Partners with dentists to define economic modeling to increase MA capacity;
- School-based dental hygienists assess children with referral linkages to community dentists





- At a time when a report¹ from the Centers for Disease Control and Prevention (CDCP) revealed a sharp increase in dental decay among the nation's poorest children:
 - All 6 States made progress;
 - 4 States significantly reduced the percent of children with teeth extracted before their 6th birthday;



- 5 states significantly increased the percent of Medicaid and SCHIP children receiving dental care.
- ¹ Beltrán-Aguilar ED, et al. Surveillance for Dental Caries, Dental Sealants, Tooth Retention, Edentulism, and Enamel Fluorosis --United States, 1988--1994 and 1999—2002. National Center for Chronic Disease Prevention and Health Promotion. August 2005

Earlier Interventions → Lower Costs??? Savage MF, et al. Early Preventive Dental Visits: Effects on Subsequent Utilization and Costs. Pediatrics October, 2004.

Early Preventive Dental Visits: Effects on Subsequent Utilization and Costs

Mashwer E Savage, DOS, MS7, Jensica Y. Lee, DDS, MPH, PhD⁺₂, Jonathan E. Kesch, MD, MPH) and William P. Vanv, [x, DMD, PhD⁺₂

ABATHACT: Elipscience. To determine the efforts of early presenting dental visits on advergance to the time and which of dental services are not predicted upon which dent.

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ECC is match more previous among children from low-income landing for example, among children 3 to 5 years of age in Head Starr, the prevalence of ECC has been reported to be as high as REC.¹⁴ Unavaied crites in concern and dispersivelyness dy among children itom the lances labely income breaking and the indiana decrement in information liketing a relation of these decrements in information liketing and the indiana decrement in information liketing and the indiana decrement in information liketing and the rayed primity work have not been resourced.² Denuel case is the route prevalent a unreas Both for the need of prove US children at all ages, while prevalent-aged thild need to be children at the prevalent labor. BEC has the children of the route break as

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- 1st dental visit / Total cost:
 - Before age 1 \$262
 - Age 1-2 \$339
 - Age 2-3 \$449
 - Age 3-4 \$492
 - Age 4-5 \$546

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Responding to Changing Paradigms: Risk-based Interventions for a Chronic Disease

DIAGRAMATIC REPRESENTATION OF A MODEL SYSTEM



Crall JJ. Development & integration of oral health services for preschool-age children. Pediatr Dent 2005;27:323-330.

'Spill Over' Into Medical Sector Costs: The effects of a dental infection are wide-ranging and long-lasting....

A week or more of pain and sleeplessness, her parents' lost work days and productivity, her own missed schooling, a futile and expensive use of a hospital emergency room, and a life-long external scar are among the ripple effects of this preventable infection.





Consequences of Limited Oral Health Access

For want of a dentist

Maryland boy, 12, dies after bacteria from tooth spread to his brain



CINBC VIDEO



A deadly toothache? Feb. 28: A 12-year-old Maryland boy is dead after a dental infection spread to his brain. NBC's John Yang reports.

Nightly News

Linda Davidson / The Washington Post

Deamonte Driver, aged 12, is shown with his mother, Alyce, at Children's Hospital in Washington, D.C., after emergency brain surgery.

By Mary Otto

washingtonpost.com

Updated: 2:20 p.m. ET Feb. 28, 2007

WASHINGTON - Twelve-year-old Deamonte Driver died of a toothache Sunday.



Consequences of Dental Infections

March 2, 2007

6-year-old boy dies from abscess

The Associated Press

GULFPORT — A 6-year-old boy who collapsed on a Harrison County school bus Thursday died from an abscess where two teeth had been removed from his lower jaw, county coroner Gary Hargrove said.

Alexander "Alex" Callender, a kindergartner at Lizana Elementary, went into shock from the infection and his body shut down, Hargrove said after Friday's autopsy.

Callender collapsed on the bus after leaving school Thursday.

Callender lived in a rural area near Pass Christian.

Grief counselors were available to speak with students at Lizana Elementary today.



Summary

- Medicaid/SCHIP children have 3-5x more disease [NHANES]
- Access to dental services for children covered by Medicaid has been a chronic problem [OIG, 1996; GAO, 2000]
 -- funding is not the only issue, but it IS a major issue
- Adult Medicaid benefits meager, but potentially important because of oral health-general health relationships
- Dental decay is highly preventable, but not simply or uniformly preventable [SGROH, 2000]



EPSDT requires prevention AND (not instead of) treatment [Federal statutes, regulations and guidelines]

 Dental workforce is busy and declining relative to the population, but the population is increasing, especially groups at higher risk for dental disease [HRSA & Census Data]