Demonstration of Dental Rounds Model in Public Health
Group 5

Rounds Team

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Group Leader: Dr. Christopher Dix
Specialty Leader: Dr. Christopher Okunseri
Patient: Rebecca

• 14 year old Caucasian female
• East Troy, WI (Walworth)
• Medicaid Patient
• CC: “I want braces and my teeth hurt.”

Medical and Dental History
• Asthma: uses Albuterol prn
• Irregular dental visits
• Brushes 2 times a day / Never flosses
• Consumes more than 3 snacks between meals, chews gum, and drinks 1-2 sodas a day
Significant Findings
- Past caries experience and restorations
- Untreated carious lesions
- Space loss/Impacted Teeth
  - #6, 20 and 29
- Poor OH and heavy plaque

Problem List
- Caries/Gross Caries
- Pain
- Home Care
- Crowding/Impacted Teeth
- Esthetics
  - Diagnosis
    - primary caries and gingivitis
Access (to Care)

Definition
- McGraw-Hill Dictionary of Medical Medicine
- Institute of Medicine

Factors Affecting Use of/Access to Services
- Gender
- Age
- Socioeconomic Status
- Race & Ethnicity
- Geographic Location
- General Health
- Dental Insurance

Resources
Medicaid Overview

• A Federally and State funded program for eligible individuals and families with low incomes
• Covers limited amount of procedures
• HMO’s and SEDA (Southeast Dental Associates)
• Early Periodic Screening, Diagnosis and Treatment (EPSDT)
  - Comprehensive Child Care
• Barrier’s to Medicaid (43% WI Dentist participate)
  - Low Reimbursement Rates
  - Low Patient Reliability
  - Limited Coverage
  - Extensive Paperwork

References
Wisconsin Dental Association webpage www.wda.org
US Department of Health and Human Services webpage- Centers for Medicare & Medicaid Services www.cms.gov/home/medicaid
Dental Care Financing - Dr. Okunseri
Clinical Question

• Is Fluoridated water effective in reducing dental caries in children?

PICO

• P – Children
• I – Fluoridated Water
• C – Non-Fluoridated Water
• O – Dental Caries

PICO Formatted Question

• In children, does fluoridated water reduce caries rate when compared to non-fluoridated water?
Clinical Bottom Line

- Children with fluoridated water had lower caries prevalence and less caries experience than children with non-fluoridated water.
Search Background

- Dates of Search
  11/4-8/2011
- Database used
  PubMed
- Search strategy/Keywords
  - Fluoridated water in children: 533
  - Fluoridated water dental caries: 503
  - Fluoridated water dental caries in children: 363
  - Effectiveness of fluoridated water: 58
  - Fluoridated water dental caries in children with Medicaid: 2

MeSH terms used
- "dental caries"[MeSH Terms]
- "fluoridation"[MeSH Terms]
- "public health"[MeSH Terms]
- "child"[MeSH Terms]
Articles Cited

  - Study Design: Retrospective secondary data analysis

  - Study Design: Randomized Controlled Clinical Trial

  - Study Design: Review
Conclusion

• Fluoridation in water decreased both dental caries prevalence and dental caries experience in children.
Discussion
Questions??