

# **A Medical-Dental Partnership for Integrating Oral Health into Comprehensive Patient Care**

Anna Huang, M.D.  
Theresa G. Mayfield, D.M.D.  
University of Louisville

---

---

---

---

---

---

---

---

## Agenda

- Our Story of Collaboration
- Education
- Assessment and Identification
- Facilitating Access to Oral Care



---

---

---

---

---

---

---

---

## Our Story of Collaboration



- Medical – Dental
- 1999 Two Collaborators
  - University of Louisville School of Dentistry
  - WINGS Clinic

---

---

---

---

---

---

---

---

## Our Story of Collaboration

- Recognition of need to provide oral care to persons living with HIV
- Parts C and D and Part F
- Efforts to build to capacity

---

---

---

---

---

---

---

---

## Building Oral Care to Capacity

Medical provider makes referral to dental clinic  
OR  
Patient requests referral to dental clinic

Medical front desk personnel calls dental clinic

Medical front desk personnel makes appointments

Patient centered system

---

---

---

---

---

---

---

---

## Oral Health Education

- Education to medical providers
- Education to consumers

---

---

---

---

---

---

---

---



---

---

---


---

---

---

---

---



- Population size: 4,141,835
- Percent living in poverty below 100% of poverty - 17.7%
- Percent living below 200% of poverty - 37.6%
- Percent living below 300% of poverty - 56.1%

<http://careacttarget.org/community/StateProfiles/Kentucky.pdf>

---

---

---

---

---

---

---

---

### Adult Oral Health in Kentucky

- An estimated 1,497,098 adults in Kentucky have no dental insurance.
- An estimated 814,012 Kentuckians smoke cigarettes everyday.
- Over one million adults in Kentucky (36.1%) have NOT made a visit to the dentist within the past year.

2002 Kentucky Adult Oral Health Survey – July 2003

---

---

---

---

---

---

---

---

## Adult Oral Health in Kentucky

- 21.2% (1 in 5) adults in Kentucky reports having 6 or more teeth extracted.
- An estimated 649,825 (21.4%) adults have open, active caries.
- 757,041 adults in Kentucky (24.9%) report oral pain within last 3 months. 41.3 % of adults on Medicaid reported oral pain.

2002 Kentucky Adult Oral Health Survey – July 2003

---

---

---

---

---

---

---

---

## Education to Medical Providers

- Goals of an Oral Health Program
- Performing an Extraoral and Intraoral Evaluation
- Identification and Assessment of Needs

---

---

---

---

---

---

---

---

## Education to Medical Providers

### Goals of an Oral Health Program

- Treat pain, eliminate sources of infection, and identify/diagnose pathology
- Facilitate maintenance of health and adequate nutrition
- Educate patient regarding health maintenance
- Contribute to self-esteem and quality of life

---

---

---

---

---

---

---

---

## Performing an Extraoral and Intraoral Evaluation

- Extraoral Exam
  - Head and neck
- Intraoral Exam
  - Lesions
  - Conditions for referral and care – swelling, pus, bleeding, fever
  - Number of teeth present
  - Presence of decay and gingival inflammation
  - Problems with dentures

---

---

---

---

---

---

---

---

## Performing an Extraoral and Intraoral Evaluation

### HIV Oral Health Curriculum for Nursing Professionals

*Four-part curriculum for nursing professionals on oral health and HIV, with information on the importance of oral health on systematic health; history and physical examination of oral cavity and neck; oral health emergencies; HIV-associated oral health emergencies; and oral health maintenance and patient education. 4 modules with slide sets, videos, and PDFs.*

Source: <http://www.aids-ed.org/aids/etc/?page=etres-display&resource=etres-144>

---

---

---

---

---

---

---

---

## Education to Consumers



- Performance of an oral evaluation at the medical appointment reinforces:
  - Importance of good oral health for systemic health
    - Elimination of infection
    - Good nutrition
    - Health maintenance
      - Good oral hygiene
      - Medication adherence
  - Quality of life and self-esteem

---

---

---

---

---

---

---

---

## Identification of Oral Health Problems

- Oral health problems
  - Lesions or pathology
  - Swelling, pus, bleeding, fever
  - Presence of decay and gingival inflammation
  - Ill fitting dentures
- Documentation

---

---

---

---

---

---

---

---

## Documentation

- Form for documentation of oral evaluation
- Progress note

---

---

---

---

---

---

---

---

## Assessment of Need

- Acuity Level
  - Emergent Care
  - Urgent Care
  - Routine Care
- All Emergent Care – dental appointment within 24 hours
- Urgent and Routine – Oral Care Coordination Conference

---

---

---

---

---

---

---

---

## Access to Oral Evaluations

- Medical Appointment
  - Oral evaluation performed at routine medical appointment
- Dental Screening "Walk-in" Clinic in the Medical Clinic
  - Oral evaluation performed on patients presenting to the clinic during walk-in session
- Referral to Dental Clinic

---

---

---

---

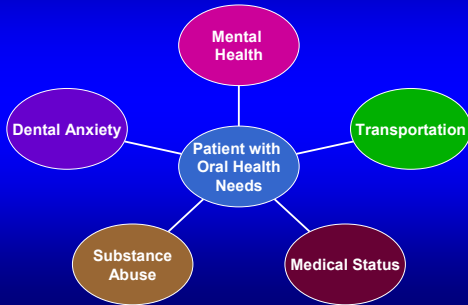
---

---

---

---

## Patient Centered Oral Care Coordination



---

---

---

---

---

---

---

---

## Patient Centered Oral Care Coordination



- Eliminate Barriers
  - Medical
  - Social
  - Dental
- Facilitate Access to Care
  - Increase number of oral evaluations
  - Access to oral health care provider
  - Decrease "no show rate" at dental facility

---

---

---

---

---

---

---

---



---

---

---

---

---

---

---

---

*Integrating oral health assessment into routine medical assessment greatly enhances the identification of oral health problems, patient education regarding oral health, and access to oral care.*

**Lessons Learned**

---

---

---

---

---

---

---

---

*Open communication between medical, dental, and social services professionals is essential in helping patients to overcome barriers to oral care.*

**Lessons Learned**

---

---

---

---

---

---

---

---

## Questions



---

---

---

---

---

---

---

---

## Contact Information

Anna Huang, M.D.

[akhuan01@gwise.louisville.edu](mailto:akhuan01@gwise.louisville.edu)

Theresa G. Mayfield, D.M.D.

[tgmayf01@gwise.louisville.edu](mailto:tgmayf01@gwise.louisville.edu)

## Acknowledgement

Grant funding support Department of Health and Human Services, Health Resources and Services Administration, Grant Award 2 H65HA00013-04-00, Community Based Dental Partnership.

---

---

---

---

---

---

---

---