



HRSA SPNS Initiative to Improve Oral Healthcare Access for Persons Living with HIV (PLWHIV)



Oral Health Performance Measures

A Discussion

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Overview of HIV Oral Health Initiative

Demonstration sites are expected to:

- Provide comprehensive oral health care services to HIV(+) patients
- Develop individualized treatment plans for each patient
- Create a dental home for clients without care
- Participate in multi-site evaluation



Performance Measures Versus Standards of Care

- A performance measure provides an indication of an organization's performance in relation to a specified process or outcome
- Standards of care are guidelines that outline the expectations of care around a specific issue or topic and are created by clinical experts
- Each serve a different purpose
- May not always be in accordance



National OPR Clinical Measures

- Performance measure #11: Percentage of patients with a comprehensive or periodic recall exam, for whom the Phase 1 treatment plan is completed within a 12 month period
- Definition: Number of patients that complete Phase 1 treatment within 12 months of initiating a treatment plan



Phase 1 Treatment

- Defined in this as prevention, maintenance and/or elimination of oral pathology that results from dental caries or periodontal disease
- Includes oral cancer prevention and early diagnosis, patient education, emergency treatment, diagnostic services and treatment planning, restorative, basic periodontics, basic oral surgery (simple extractions and biopsies), and non-surgical endodontics
- Special Note: if patient chooses to discontinue Phase 1 therapy, treatment would be considered complete



Phase 2 Treatment Plan

- Includes rehabilitative services such as dentures, crown and bridge, elective oral surgical procedures, periodontal surgery, and orthodontics
- Special Note: If Phase 1 is completed but unable to complete Phase 2, treatment is still considered complete



Numerator and Denominator

- Numerator is number of patient completing Phase 1 within the time frame
- Denominator is number of patients who receive a comprehensive oral exam or a periodic recall exam



Goal

- The goal for this performance measure is 60%
- Data to support this can be accessed through records, chart audits, coding, and MIS systems
- Ultimately, would be able to measure and assure that CHCs routinely and systematically deliver comprehensive, quality oral health services and patient treatment is completed within a reasonable time



Significance of this Measure

- Oral diseases are progressive and accumulative
- Affect nutrition and quality of life
- Facilitates the identification of contributing and restricting factors and practical options to increase access to oral health services
- Potential to influence staffing patterns, appointment scheduling, cost and efficiency by analysis of the data



Oral Health Indicators

National Quality Center

- Annual intra-oral exam
- Annual health history
- Annual periodontal exam
- Annual extra-oral exam
- Annual updated treatment plan
- Oral health education



Annual Intra-Oral Exam

- Dental caries examination
- Soft tissue examination

Note: soft tissue exam may include documentaton of any of the following:
pathology of cheeks, tongue, palate, gingiva, mucosa, pharynx, frenum, or floor of mouth



Annual Health History

- Performed by an oral health provider
- Primary care provider information such as **contact** information and whether patient is receiving care
- Current **medications** and changes in regimen
- **Allergies**
- **Laboratory data** such as HBV, HCV, CD4, and Viral load



Annual Periodontal Exam

Documentation regarding **any** of the following having been performed:

- Examination of pocket depths
- Gingival inflammation
- Plaque index
- Fremitus
- Recession
- Bleeding assessment
- Tooth mobility



Annual Extra Oral Exam

Documentation of **any** of the following:

- Examination of facial symmetry
- Lymph node examination
- Thyroid examination
- Examination of the lips



Annual Updated Treatment Plan

- Comprehensive, written plan developed in collaboration with patient
- Appropriate to health status, financial status, and individual preference
- Should include a summary of existing conditions
- Should include a course of action
- Should include a maintenance program
- Note: flexibility given to sites on what constitutes a treatment plan; looking for a presence



Oral Health Education

- **Caries prevention** such as oral hygiene instruction and **nutrition counseling**
- **Smoking cessation**
- Other topics as indicated



HAB Performance Measures

- Oral Exam is in Group 2: released July 2008
- Group 2 measures are important measures for a robust clinical management program
- Should be seriously considered for Quality Management Plans



Core Clinical Performance Measures

- HRSA strongly encourages the following in order to monitor the care provided:
 - Collection of data
 - Tracking of data
 - Review of trends
 - Identification of areas for improvement



HAB Performance Measure Oral Exam

- Related to OPR Measure
- Defined as: percent of clients who received an oral exam by a dentist at least once during the measurement year
- Includes completed treatment plan



Considerations

- Little evidence of risk associated with oral procedures
- Evidence that selected oral lesions may be markers for seroconversion
- In later stages of HIV disease, greater numbers of lesions and more aggressive periodontal disease may be more likely
- Schedule visits accordingly



The overarching clinical goal
of the SPNS Project is
*to improve access and
adherence to high quality
HIV oral health care.*



The two key study questions for the multi-site evaluation that address the clinical component of the SPNS project are:

- *1). Do the demonstration programs increase access to oral health care for underserved populations?*
- *2). Are oral health services performed in accordance with professional practice guidelines:*



Measurable Factors

- To answer these evaluation questions, the following parameters were derived from the utilization survey data that each site submits to the Data Coordinating Center at Boston University.
- These measurable factors are described in written form first and then delineated into the current dental terminology codes (CDT-2009).
- The data that is captured allows for program improvement during the course of the initiative and provides important information about client outcomes at the end of the project



Utilization data can tell us....

- If people are receiving quality dental care
- If people's oral health needs are met
- How many people complete their treatment plans and go on recall



Performance Measurements- 14 variables

D0150	D1110	D0210	D4342
D0120	D0272	D0330	D4355
D0140	D0274	D4341	D4910

- Completion of treatment plan (self-reported)
- Patient placed on recall (self-reported)



Data Validation

What we are looking for

- The presence of a comprehensive exam (0150)
- The presence of *any* xrays (0210, 0220, 0230, 0272, 0274 or 0330) (y/n)
- The presence of *any* cleaning or periodontal work (1110, 4355, 4341, 4342, or 4910) (y/n)



Data Validation

- Phase I Treatment plan completed
- Patient placed on recall
- The presence of at least one recall visit (0120) *after* a comprehensive exam (0150).



Phase I Treatment Plan

- Phase 1 Treatment: Prevention, maintenance and/or elimination of oral pathology that results from dental caries or periodontal disease. This includes: restorative treatment; basic periodontal therapy (non-surgical); basic oral surgery that includes simple extractions and biopsy; non-surgical endodontic therapy; and space maintenance and tooth eruption guidance for transitional dentition.



Example Template

Pt. Utilization Data for ECHO Study

Patient ID: _____ Date: _____

Procedure Codes: _____

Was Phase I treatment plan completed today?

Yes _____ No _____

Was patient placed on a recall visit today?

Yes _____ No _____