Caries Risk Assessment Quality Improvement Study (1, 2, 3)

Element 1: Purpose

PURPOSE: Develop and implement caries risk assessment instrument to facilitate prevention and disease management for children ages 0-17.

Supporting: Develop and implement caries risk assessment (CRA) at comprehensive examination and entered into the caries risk assessment registry (CRAR) at all ForwardDental practice sites.

Element 2: Performance Goal

PERFORMANCE GOAL(S): Initial: 75% of children ages 0-17 at quality improvement pilot sites are caries risk assessed (CRA) at comprehensive examination and entered into the registry.

Element 3: Data Collection Plan

- Electronic Dental Record (EDR) December 2015: data collected to determine percentage of children ages 0-17 at all ForwardDental practice sites are caries risk assessed at comprehensive examination.
- Electronic Dental Record (EDR) January 2016: data collected to determine percentage of children ages 0-17 at quality improvement pilot sites are caries risk assessed at the comprehensive examination.

Element 4: Evidence of Data Collection

- Electronic Dental Record (EDR) December 2015: 15% of children ages 0-17 at all ForwardDental practice sites are caries risk assessed at comprehensive examination.
- Electronic Dental Record (EDR) December 2016: 4% of children ages 0-17 at all ForwardDental practice sites are caries risk assessed at comprehensive examination.
- Electronic Dental Record (EDR) January 2016: 54% of children ages 0-17 at two quality improvement pilot sites are caries risk assessed at comprehensive examination.

Element 5: Data Analysis

Constraints, challenges and resistance to the quality improvement initiative:
- Legacy systems and thinking: acquisition of and adjustment to reengineered technology, apprenticeship of new methodologies.
- Normative culture, tradition, routine, extant programming: adaptation to new role responsibilities, accountability, processes, culture and reward incentives.
- Normative practice, flow and throughput: modification, addition and or subtraction of redesigned procedures, clinical practices, and reward incentives.
- Calibration: communications, education, consistency of messaging and training, consistency of understanding and interpretation.
- Fear of change, powerlessness, loss of control and autonomy: adjusting to redefined role.

Element 6: Comparison of Current Performance to Goal Performance

Current Performance: 15% of children ages 0-17 at all ForwardDental practice sites are caries risk assessed at comprehensive examination. 54% and 60% of children ages 0-17 at quality improvement pilot sites are caries risk assessed at comprehensive examination did not initially meet our performance goals.

Performance Goals:
- Initial: 75% of children ages 0-17 at quality improvement pilot sites are caries risk assessed (CRA) at the comprehensive examination.
- Aspiration: 95% of children ages 0-17 at ForwardDental practice sites are caries risk assessed (CRA) at comprehensive examination.
- Supporting: 75% of children ages 0-17 at all ForwardDental practice sites are caries risk assessed (CRA) at comprehensive examination and entered into the caries risk assessment registry (CRAR).

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