

QuitAdvisorDDS: A Point-Of-Care Tobacco Cessation Tool for Dental Settings

George Reynolds
President and CEO
Health Decision Technologies, LLC

Jamie L. Studts, PhD
Professor
University of Kentucky College of Medicine

Evaluation of dental tobacco cessation tool in practice-based research network This Phase II project will finish development and evaluate **QuitAdvisorDDS** as a tool for dental providers to advise patients on tobacco cessation. The University of Kentucky will evaluate the effectiveness of **QuitAdvisorDDS** in increasing quit attempts in tobacco using patients. The evaluation will be conducted within the National Institute of Dental and Craniofacial Research's (NIDCR) National Dental Practice-based Research Network (NDPBRN). Tobacco use severely affects dental health, and 80% of dentists consider tobacco cessation counseling and advice as one of their medical responsibilities. However, the majority of dental health care workers do not do this. Reasons for this inaction are multifaceted, including lack of training, confidence, time, and funding. Health Decision Technologies (HDT) is developing **QuitAdvisorDDS** as a tool for dental providers to advise patients on tobacco cessation. This interactive, web-distributable tool assists dentists and dental hygienists in providing patient-tailored tobacco cessation counseling using proven patient-centered counseling techniques. **QuitAdvisorDDS** also enables dental providers to rapidly determine the patient's stage of readiness for change through four simple prompted questions. Once the dental provider has determined the patient's acceptance level, **QuitAdvisorDDS** will automatically proceed to a scripted motivational interview tailored to the patient's stage of change, while providing relevant health behavior information dentists can use to intervene with during the appointment. Finally, in addition to gathering information prior to the clinical encounter, **QuitAdvisorDDS** is also be able to track dental provider behavior -identifying the clinician using the application, recording a time and date stamp each time the application is opened, recording which sections of the application are accessed and how much time is spent in each - thereby making it possible to evaluate healthcare delivery services, ensure quality treatment, and aid in the conduct of research.