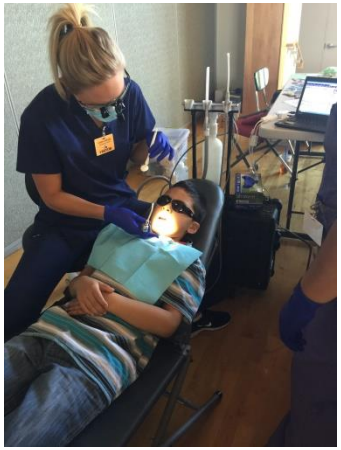
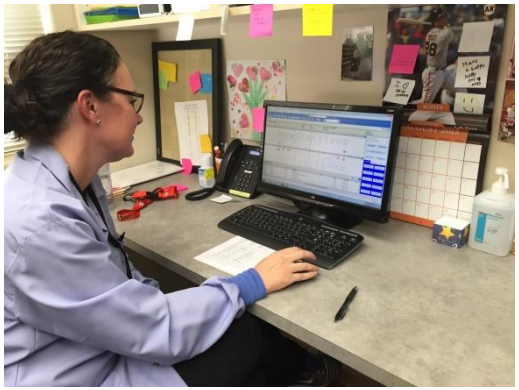
The Virtual Dental Home: An innovative and cost-effective system for providing dental care

Linda Mann, RDH, EPP
Director, Community Outreach, Capitol Dental Care

The Virtual Dental Home





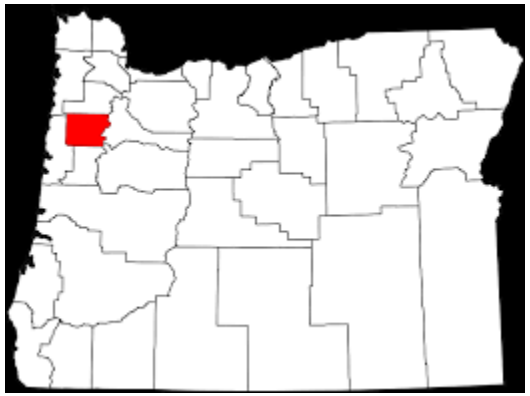
Collaboration between Capitol Dental Care, OHSU, and the University of the Pacific to provide access to dental care for children in the Central School District in Polk County, Oregon.

OREGON HEALTH & SCIENCE UNIVERSITY

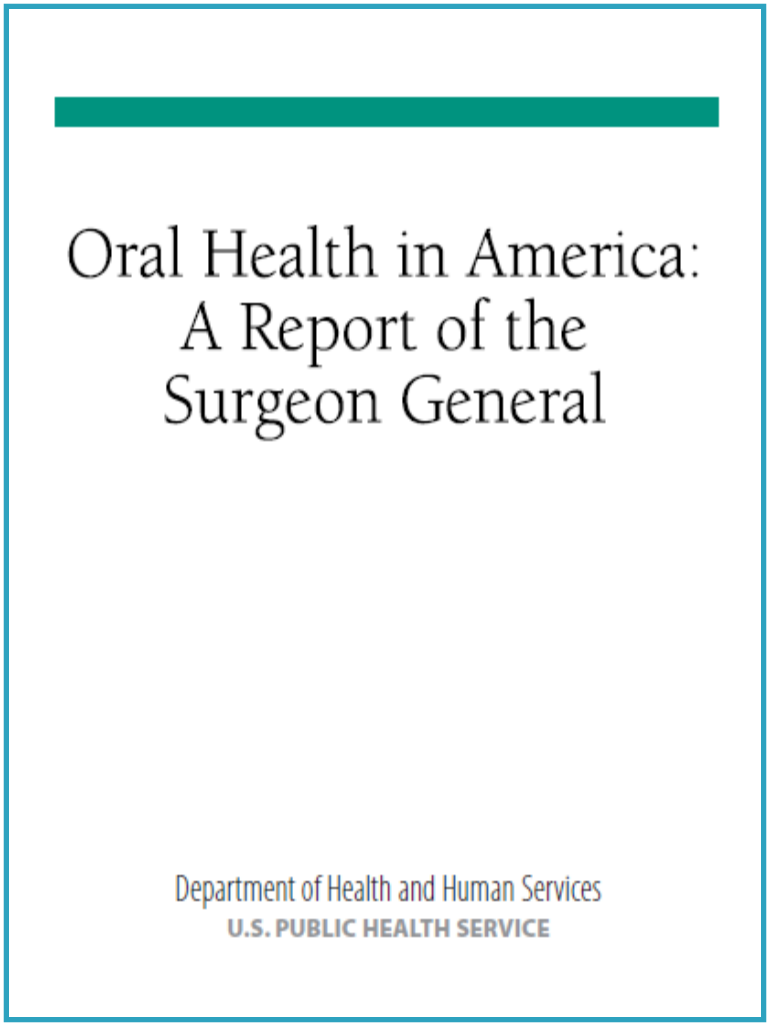
OHSU

capitol dental SM

UNIVERSITY OF THE PACIFIC
Arthur A. Dugoni School of Dentistry



Underserved Populations



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The Virtual Dental Home: Bringing Oral Health to Vulnerable and Underserved Populations

PAUL GLASSMAN, DDS, MA, MBA; MAUREEN HARRINGTON, MPH; MAYSA NAMAKIAN, MPH; AND PAUL SUBAR, DDS, EDD

ABSTRACT Large and increasing oral health disparities in the U.S. population led the Institute of Medicine to call for expanded research and demonstration of delivery systems that test new methods and technologies. These new methods include delivering oral health services in nontraditional settings, using nondental professionals, expanded roles for existing dental professionals and new types of dental professionals, and incorporating telehealth technologies. The virtual dental home is a system that demonstrates the characteristics called for by the IOM.

Project Aims:

1. Demonstrate the ability to create and deploy telehealth-connected oral health teams capable of reaching children who have not been receiving dental care on a regular basis and providing community-based dental diagnostic, prevention and early intervention services;

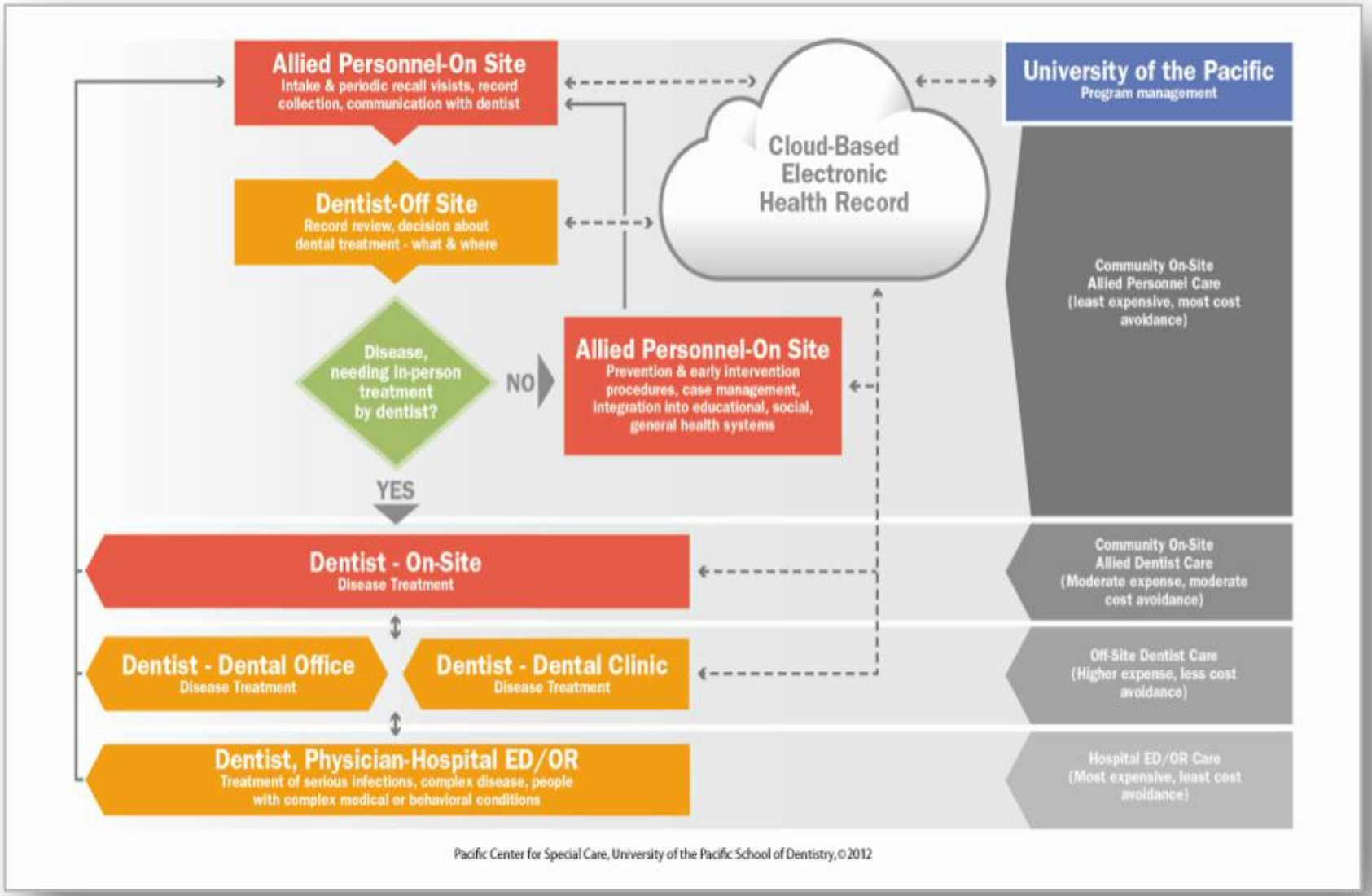
2. Undertake on-site data collection for diagnostic records and preform preventive procedures designed to keep children from developing advanced dental disease;

Project Aims continued:

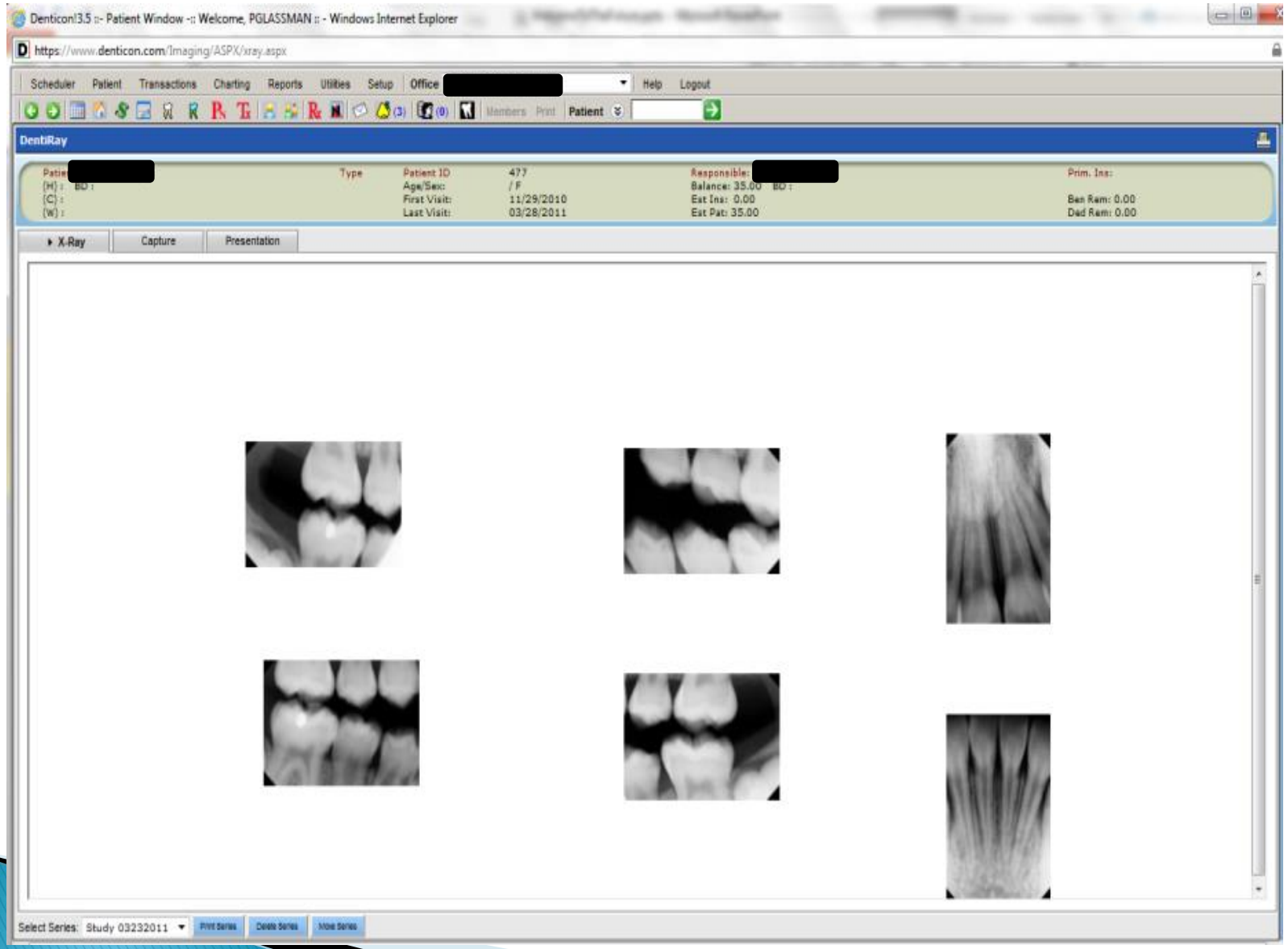
3. Demonstrate a reduced need for most children to be seen by dentists in stationary dental practices or clinics (the Virtual Dental Home);

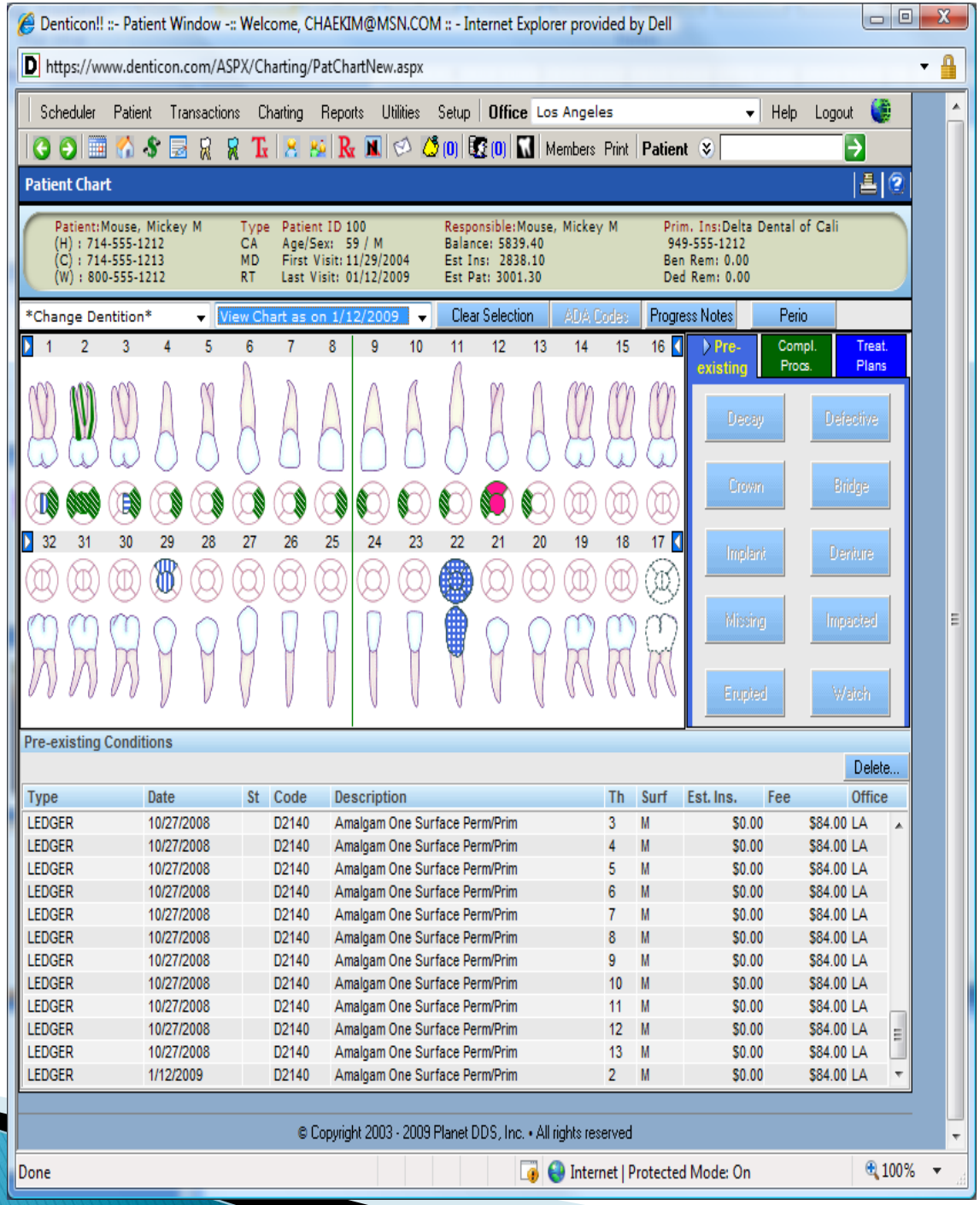
4. Achieve the Triple Aim in oral health care in Oregon with people having better experiences of care, better oral health and doing so at a lower the cost per-capita; and

5. Develop lessons that can be used to disseminate the Virtual Dental Home concept throughout Oregon.


Allied Personnel-On Site
Intake & periodic recall visists, record collection, communication with dentist
Dentist-Off Site
Record review, decision about dental treatment - what & where
Disease, needing in-person treatment by dentist?
NO
Allied Personnel-On Site
Prevention & early intervention procedures, case management, integration into educational, social, general health systems
YES
Dentist - On-Site
Disease Treatment
Dentist - Dental Office
Disease Treatment
Dentist - Dental Clinic
Disease Treatment
Dentist, Physician-Hospital ED/OR
Treatment of serious infections, complex disease, people with complex medical or behavioral conditions
Cloud-Based Electronic Health Record
University of the Pacific
Program management
Community On-Site Allied Personnel Care
(least expensive, most cost avoidance)
Community On-Site Allied Dentist Care
(Moderate expense, moderate cost avoidance)
Off-Site Dentist Care
(Higher expense, less cost avoidance)
Hospital ED/OR Care
(Most expensive, least cost avoidance)
Pacific Center for Special Care, University of the Pacific School of Dentistry, © 2012

EHR: Radiographs

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Members Print Patient
Patient Chart
Patient:Mouse, Mickey M
(H) : 714-555-1212
(C) : 714-555-1213
(W) : 800-555-1212
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RT Last Visit: 01/12/2009
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Est Pat: 3001.30
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32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 17
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Compl. Procs.
Treat. Plans
Decay
Defective
Crown
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Implant
Denture
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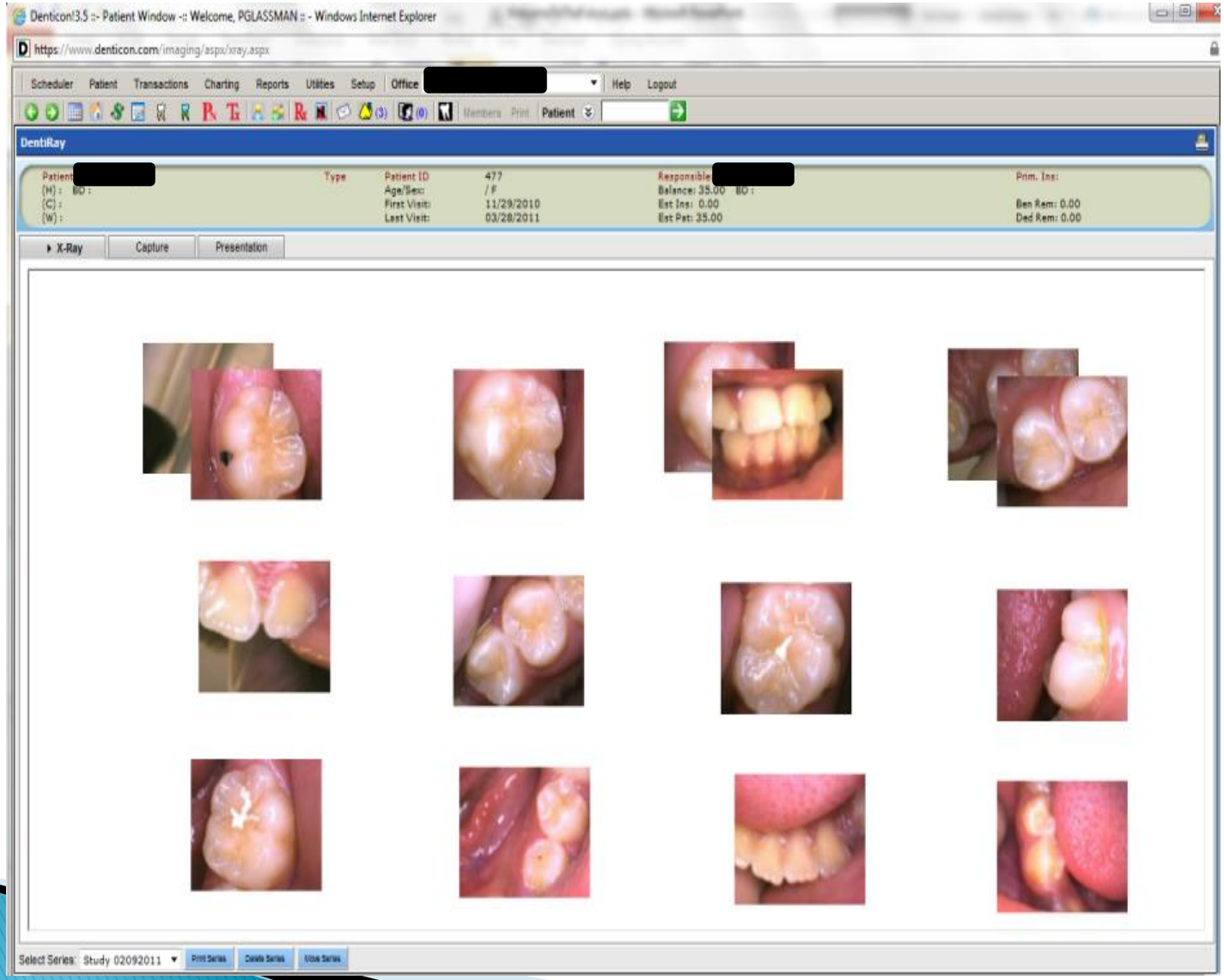
EHR: Photographs

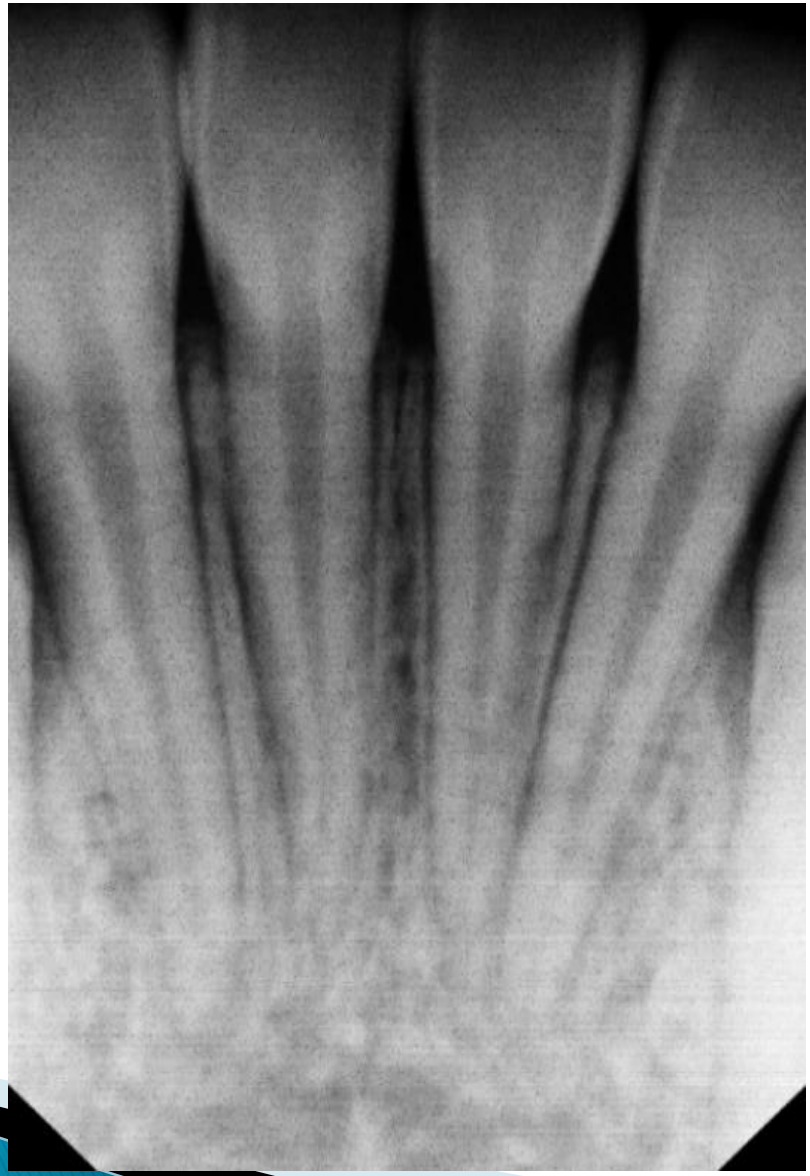
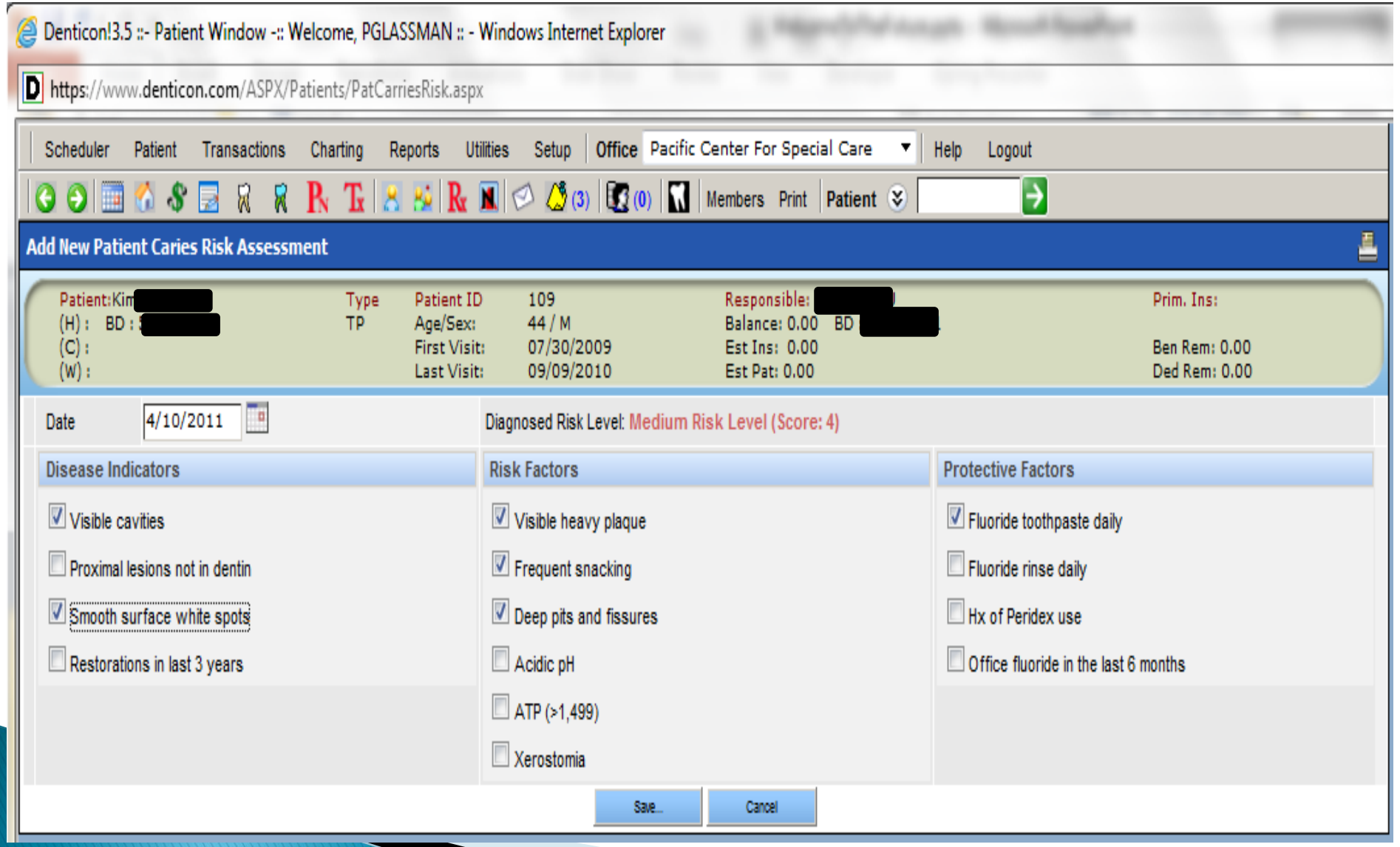
EHR: Photographs



EHR: Photographs

EHR: Radiographs

EHR: Radiographs



EHR: Risk Assessment