



Dental Health Aide Therapy Model

Dane Lenaker, DMD, MPH

Bonnie Johnson, DHAT

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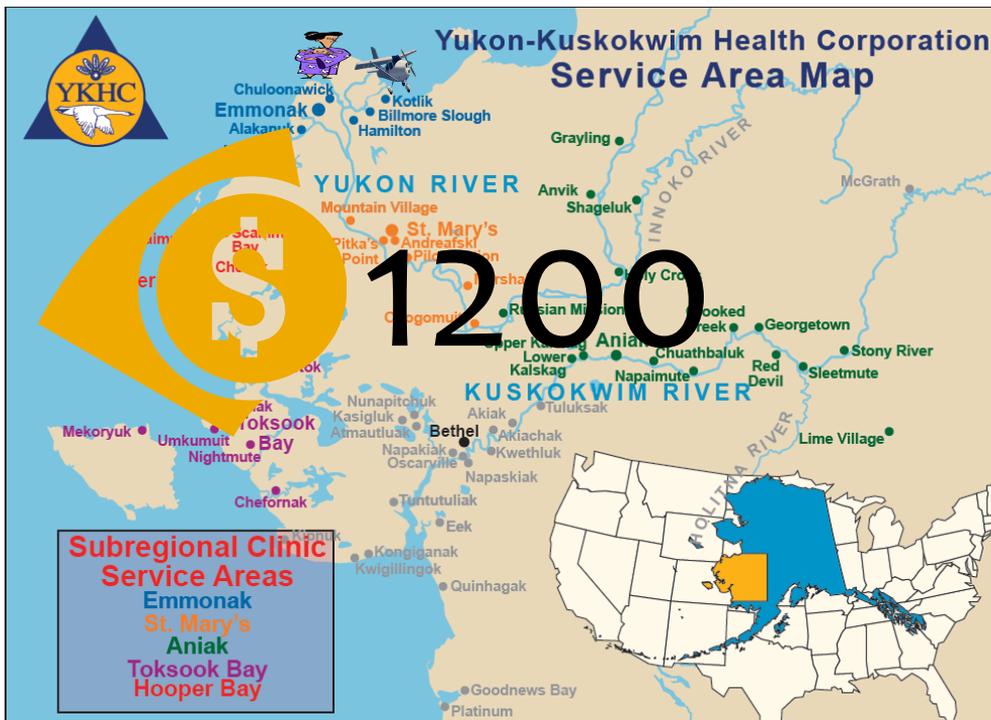
Yukon-Kuskokwim Health Center

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History of Dental Disease

- ▶ 140,000 Alaska Native people
 - ▶ 85,000 in 200 villages.
 - ▶ Itinerant dentist visits for emergency care
 - ▶ Many villages not accessible by road
- ▶ Need for change!





Regional Care

- ▶ By working in their same community you can:
 - ▶ Meet their patients
 - ▶ View their work
 - ▶ Read their charts
- ▶ Other benefits:
 - ▶ Economical
 - ▶ Less reliant on lead dentist supervisor



The Therapist Team



Educational Program

Bonnie Johnson, DHAT - Emmonak, AK

DHAT Education Program

- ▶ Challenging curriculum tailored to each student
- ▶ Students sponsored by a Tribal Health Organization (THO)
- ▶ Funding from THO sponsorship, Alaska Native Tribal Health Consortium (ANTHC), Rasmuson Foundation, W.K. Kellogg Foundation, Grants, etc.
- ▶ Culturally sensitive, motivated to make a difference



Culturally Competent Care

ON-KUSKOKWIM HEALTH CORPORATION

Working Together to Achieve Excellent H

Bernadette Charles

Employee

IS A STAR ★ Because....

She trained well, good job
1st Alaskan Native who ever worked on
my tooth. Good Job. My filling does not even hurt.
I even fell asleep when she worked on my tooth.

NAPARTET
Our Road to Excellence

in Dental
Dept.

Success: Doing Things Differently



Overcome fear and avoidance

- years of limited, acute care

Our primary goals:

- Trusting relationships with Native patients
- Patients return to our clinics regularly

“This means, at times, more attention to the person than the tooth”

Phil Weinstein, PhD

Local Solution to a Local Problem



Becoming a DHAT in Alaska

- ▶ Apply for sponsorship with a Tribal Health Organization
- ▶ Apply to ANTHC/DENTEX DHAT Program
- ▶ 1st year in Anchorage
 - ▶ Didactics
 - ▶ Practice patient care
 - ▶ Practice restoring teeth
- ▶ 2nd year in Bethel
 - ▶ Clinical practice
 - ▶ Didactics
 - ▶ Community Projects
 - ▶ Case Studies



Certification

- ▶ Preceptorship Requirements
 - ▶ Initially: Competence + 3 months / 400 hours direct
 - ▶ Every 2 years: Competence + 80 hours of direct supervision
 - ▶ Certified through Community Health Aide Practitioner Certification Board



Alaska DHAT Scope of Practice

- ▶ Community Dental Outreach programs
- ▶ Exam and X-rays
- ▶ Fluoride therapy
- ▶ Diet and oral health education
- ▶ Sealants
- ▶ Cleanings
- ▶ Fillings
 - ▶ Composite, Amalgam and Glass Ionomer
- ▶ Stainless Steel Crowns
- ▶ Pulpotomies
- ▶ Simple extractions of teeth
- ▶ Emergency services
 - ▶ To manage pain and infection
- ▶ Referrals

Preceptorship in Bethel, AK

Dane Lenaker, DMD, MPH

Direct Supervision

- ▶ What is direct supervision?
 - ▶ Diagnose
 - ▶ Authorize procedures
 - ▶ Evaluate performance
- ▶ All completed chair side



Documenting Supervision

T/F: I attest that I completed direct supervision for the entire duration of this case *

Definition: dentist personally diagnoses the condition to be treated, personally authorizes the procedure, and before dismissal of the patient evaluates the performance of the dental health aide

- True
 False

DHAT Name *

Evaluation Date *

Date that the therapist was evaluated

mm/dd/yyyy

Restorative

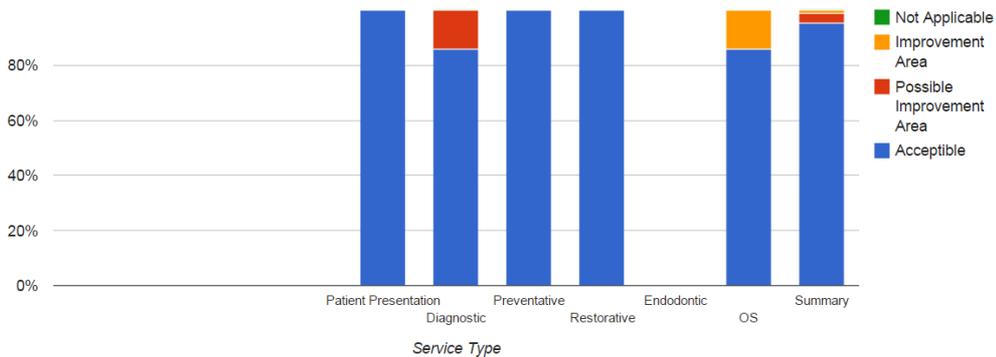
Restorative Services

D2000-D2999 - Only use "Not Applicable" if you misclick an item

	Acceptable	Potential Improvement Area	Improvement Area	Not Applicable
ART: Hand Instruments	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Protective Restoration	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Amalgam: Class I	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Amalgam: Class II	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Amalgam: Class V	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Amalgam: Complex (Cuspal Coverage)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Resin-Based Composite: Class I	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Resin-Based Composite: Class II	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Resin-Based Composite: Class III	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Resin-Based Composite: Class IV	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Resin-Based Composite: Class V	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Stainless Steel Crown	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Form Data: Results

Score Type Percent Over Total Encounters For:



2	Presentation	262	250	207	40	3	42	43	50	56	26
3	Bitewing	81	79	76	16	1	16	8	26	11	6
4	PA (Anterior)	24	29	18	4	0	4	6	15	8	1
5	PA (Posterior)	33	47	30	15	1	8	15	13	4	4
6	Intra Oral Photo	0	10	0	1	0	1	0	1	0	0
7	Extra Oral Photo	0	12	0	1	0	1	0	1	0	0
8	Caries Diagnosis: Radiographic	174	162	165	34	10	25	28	38	41	21
9	Caries Diagnosis: Clinical	202	204	198	33	10	37	35	39	47	22
10	Treatment Planning	188	193	174	38	7	40	38	38	45	24
11	Prevention										
12	Fluoride Application	144	133	139	10	2	17	26	13	25	4
13	OHI	75	67	84	8	2	24	9	14	13	2
14	Sealants	37	35	31	1	1	4	6	6	7	2
15	PRR	15	8	3	0	0	2	2	2	0	1
16	Prophylaxis: Toothbrush	27	35	34	1	0	2	0	0	1	0
17	Prophylaxis: Scaling	0	4	3	2	0	2	2	2	1	2
18	Restorative										
19	ART	11	4	7	2	2	1	2	0	1	0
20	Protective Restoration	21	17	17	7	0	5	6	4	1	5
21	Amalgam Class I	18	18	8	0	1	1	3	6	3	2
22	Amalgam Class II	17	10	8	6	1	3	2	5	5	3
23	Amalgam Class V	0	3	1	0	0	1	0	1	0	0
24	Amalgam Complex Cuspal	0	2	0	0	0	0	0	1	2	0
25	Resin Class I	23	28	10	12	1	1	5	9	12	2
26	Resin Class II	9	10	7	6	2	2	4	9	10	3
27	Resin Class III	12	4	4	2	3	2	1	2	0	1
28	Resin Class IV	3	2	3	2	3	2	4	2	1	0
29	Resin Class V	4	5	1	0	0	0	1	3	4	0
30	SSC	5	4	1	0	0	1	0	0	2	0
31	Endodontics										
32	Pulp Capping	4	1	4	0	0	1	1	0	0	0
33	Pulpotomy: Primary	3	0	1	0	0	1	0	0	0	0
34	Oral Surgery										
35	Extraction Primary	14	12	6	3	1	3	3	0	5	0
36	Extraction Perminant	22	25	18	11	5	4	5	7	10	3
37	Summary										
38	Local Anesthetic	155	156	111	44	17	21	27	54	51	18

Dental Therapy in Action

Susan Sergie, DMD

Bonnie Johnson, DHAT

Routine Extractions

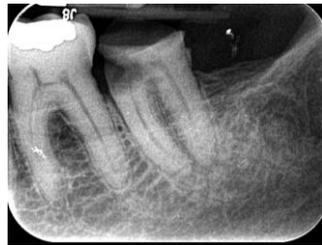
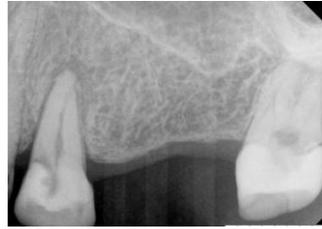
- ▶ Non-complicated, Moderate, Difficult
- ▶ Flexibility in Approvals
- ▶ Flexibility in Scope of Practice



Non-complicated Extractions



Moderate Extractions



Flexibility Procedural Approvals Complex Extractions

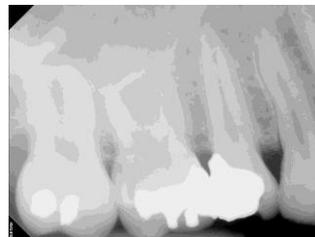
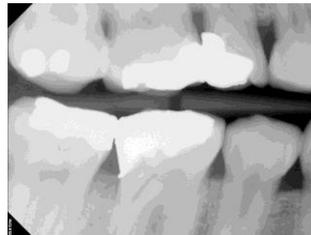


May Require Clinical Post Op Photos



Bonnie Johnson, DHAT Consultation

- ▶ 29 yo male presents to clinic with CC: “My tooth is chipped, can you take it out?”
- ▶ Med Hx: NKDA, BP: 141/75 HR: 96 bpm. Pain scale: 8/10
- ▶ Area been a problem for several weeks
- Clinical & Radiographical findings:
 - Tooth #4: Large existing DO amalgam restoration
 - Occlusal Buccal cavitation
 - Percussion: ++
 - Palpation: -
 - Periapical radiolucency
 - Widened PDL
 - Probing: WNL
 - Mobility: Class 1
 - Endo ice test: No response
 - EPT #4 = 80; Control EPT test #21 = 32
- Assessment:
 - Caries, Necrotic pulp,
 - Symptomatic Apical Periodontitis
- Restorability prognosis: Poor

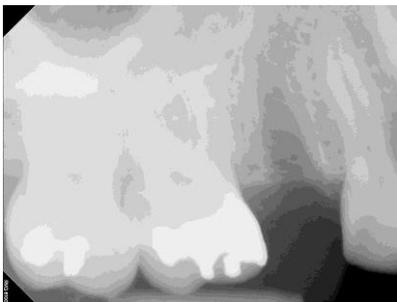


Dentist Consult Note

- ▶ **S:** RMT submitted by DHAT:
Bonnie Johnson
- ▶ Patient is reporting pain
- ▶ Reviewed therapist note for today
- ▶ **O:** Findings: See DHAT Bonnie Johnson's notes. Image(s) reviewed
- ▶ **A:** Agree with DHAT's assessment
- ▶ **P:** Extraction authorization:
Bonnie Johnson for tooth #4



Post Op Radiograph & Photo



Collaboration Effort Dentist & Bonnie Johnson, DHAT

- ▶ 22 yo male presents to clinic with CC: “Toothache on the lower right”
- ▶ Med Hx: NKDA, BP: 130/71 HR: 98 bpm. Pain scale: 5/10
- ▶ Area been a problem for over a month

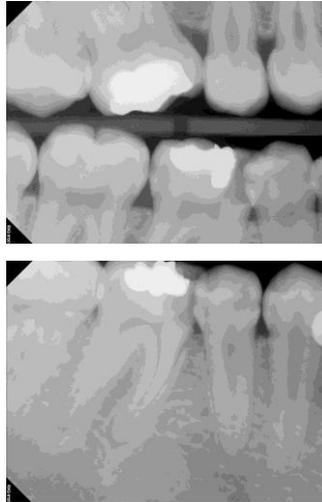
○ Clinical & Radiographical findings:

- Tooth #30: Existing occlusal amalgam restoration
- Large cavitation, deep
- Percussion: +
- Palpation: +
- Periapical radiolucency
- Probing: WNL
- Mobility: Class 1
- EPT #30 = 53; Control EPT test #29 = 32
- Pt reports random throbbing pain & pain at night

○ Assessment:

- Caries, Irreversible pulpitis
- Symptomatic Apical Periodontitis

○ Restorability prognosis: Poor

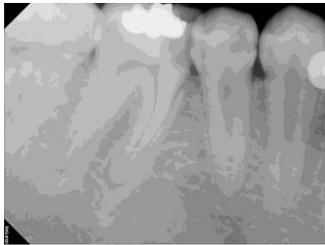


Dentist Consult Note

- **S:** RMT submitted by DHAT:
Bonnie Johnson
- Patient is reporting pain
- Reviewed therapist note for today
- Meds requested: Ibuprofen
- Medication to be dispensed by
Healthaide
- **O:** Findings: See DHAT Bonnie
Johnson’s notes. Image(s)
reviewed
- **A:** Agree with DHAT’s assessment
- **P:** Extraction authorization:
Bonnie Johnson for tooth #30

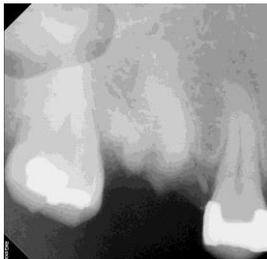
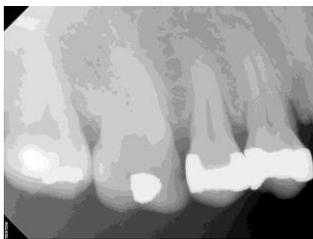


Post op Radiograph & Pre/post Op Photograph



DHAT prepped Mesial #30 to assist path of extraction

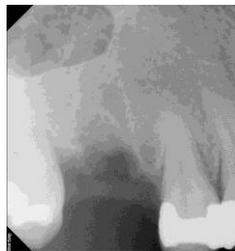
Attempted Complicated Extraction Case with Supervising Dentist



51 yo female

CC: "Toothache, when I drink hot or cold, I avoid sweets" - points to #3

Problem started: several months ago



Assessment: Caries, Chipped, Possible ankylosed, Irreversible pulpitis, Symptomatic apical periodontitis

Arch bar removal



Oral Pathology

Smokeless Tobacco Keratosis Tobacco pouch keratosis

- ▶ 53 yo male presents to clinic CC: toothache
- ▶ Patient Education
- ▶ Dental Exam
- ▶ 2 week follow-up



Focal Epithelial Hyperplasia Heck's Disease



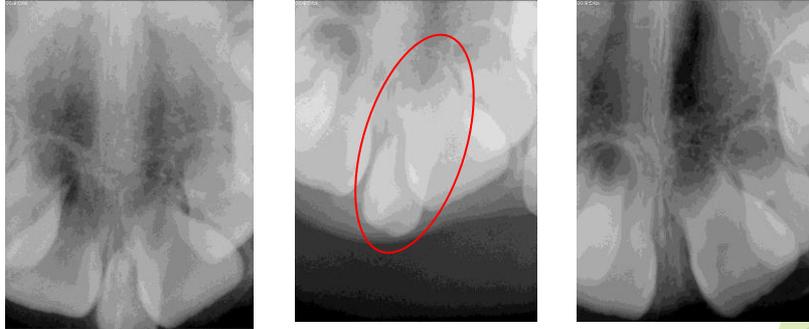
13 yo female

CC: "I want these removed"

Referred to Oral surgeon

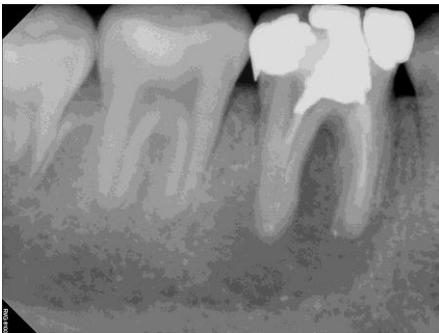


Supernumerary Teeth



5 yo female
 CC: "Take out extra tooth"
 Assessment: Impacted #9 S, normal pulp, normal periapical tissues
 Prognosis: Fair

DHAT takes radiograph while on Village Travel

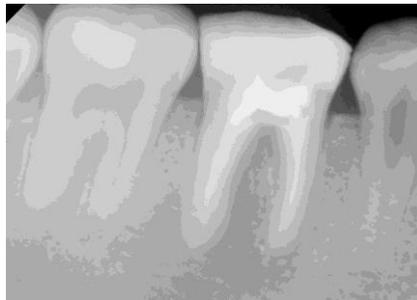


Assessment: Caries, Defective filling
 Previous pulpal debridement,
 Asymptomatic Apical Periodontitis

Restorability prognosis: Guarded

15 yo male
 CC: "Check tooth in lower right"
 Area has been problem for a month

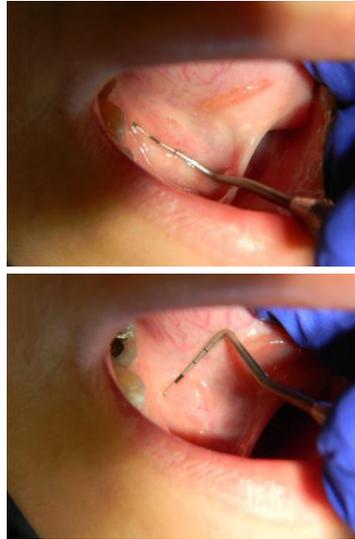
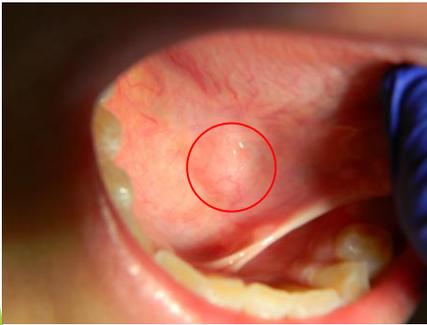
Due to time constraints & technical difficulties → Patient needed to catch flight back to their village → DHAT took Post Op radiograph for Dentist



Mucous Extravasation Reaction Mucocele

23 yo female
Pt requested to have condition monitored

05/18/14 - 8mm X 6mm
07/15/14 - 5mm X 5mm

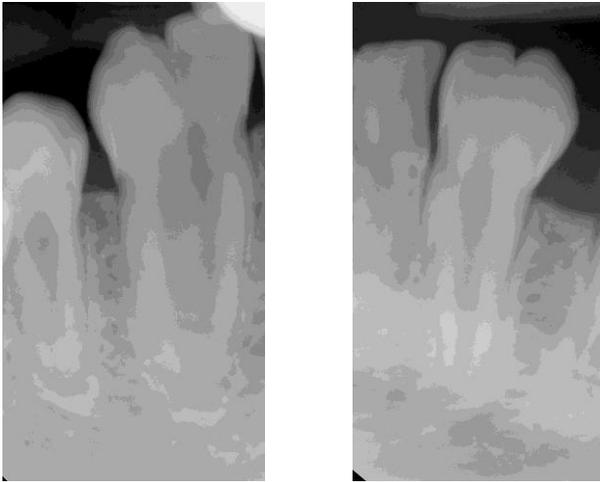


Retained Primary Dentition

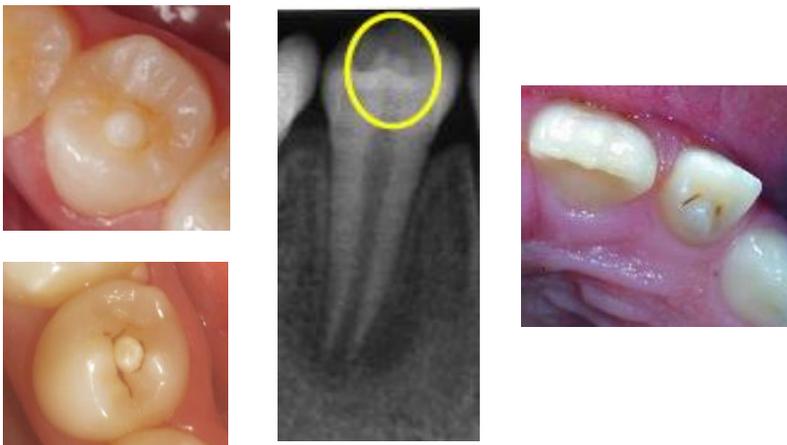


5 yo male
CC: "Need baby tooth taken out"
Tooth #P: caries, necrotic, normal periapical tissues
Restorability prognosis: Fair

Tooth Fusion & Gemination



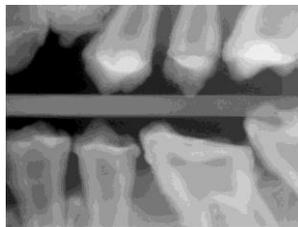
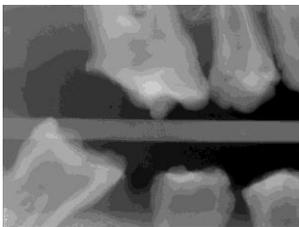
Dens Evaginatus Talon Cusp



Ankyloglossia Tongue-Tie



Hypophosphatasia Inherited Metabolic Bone Disease



Dental Disease Prevention Wednesdays at Emmonak SRC

Early Childhood Caries, or tooth decay, is an infectious disease that can start as soon as a baby gets her first teeth.

YKHC has set dental goals for this year to help prevent or treat dental disease in children.

1. To have 75% or more of 0-5 year-old children receive one full exam and complete treatment on 50% or more of those examined.
2. To have 50% or more of 6-8 year-old children receive one full exam and complete treatment on 50% or more of those examined.

The Emmonak Subregional Clinic's Dental Health Aide Therapist Bonnie Johnson is dedicating Wednesdays to Dental Disease Prevention.

Please schedule an appointment for your 1-8 year-old children Dental Disease Prevention Wednesdays!

Emmonak SRC 907-949-3500

Visit our website at www.ykhc.org/dental for more information about Early Childhood Caries.

Working Together to Achieve Excellent Health



Dental Challenge!

Prizes!

Dental Health Kids!

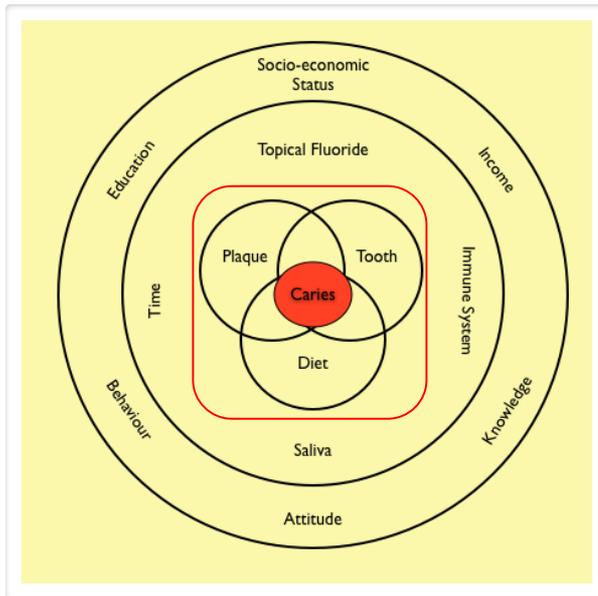
PRIZES!!!

The Emmonak Sub-Regional Clinic Dental team challenges you to:

- 1.) Compete to be the class with the least amount of cavities!
- 2.) Compete to be the class with the cleanest teeth!
- 3.) Compete to be the first class to return all of the dental consents with signatures!

The winning classes will receive prizes from your local Dental Health Aide Therapist!

GOAL: Improve Quality of Life

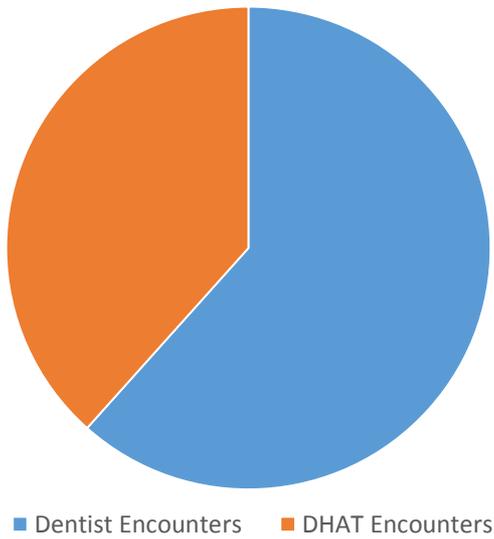


Results

Therapists making a difference at YKHC.

Encounters at YKHC

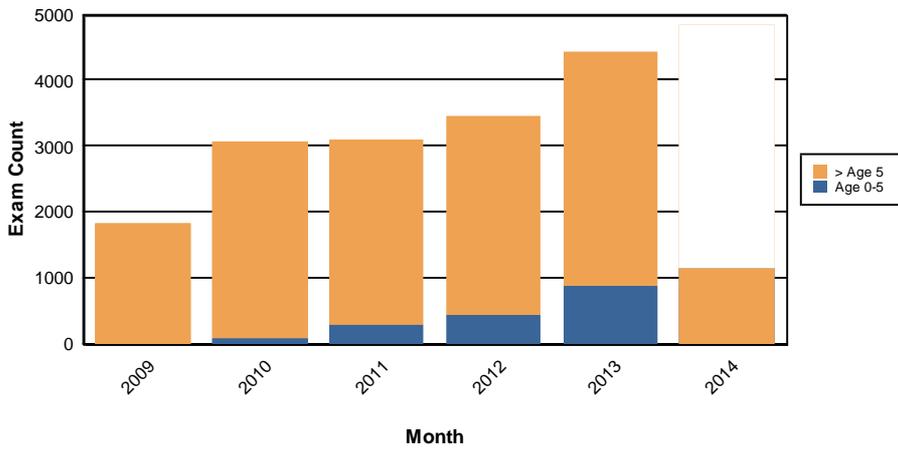
Dentist vs DHAT encounters



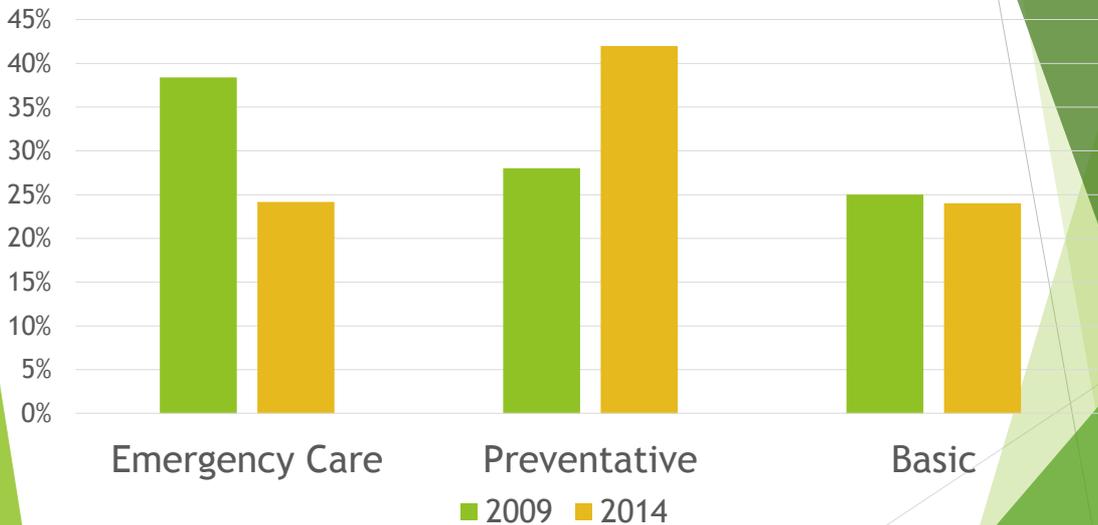
Access Expansion in the YK Delta

Dental Exams per Month

Age 0-5 vs >5



Service Distribution: 2009 vs. 2014



Prevention Example

- ▶ 2011 - First Visit To Alakanuk, AK Head Start Program
 - ▶ Screened 19 children.
 - ▶ 100% of children had untreated tooth decay.
- ▶ 2014 - Examined same children at the Alakanuk school.
 - ▶ 19 children screened again.
 - ▶ 11% of the children had untreated tooth decay.

DHAT's make
an IMPACT

Quyana!!!
Thank You

