

# Assessment of the Quality of Care in Dentistry through the Comparison of the Dental Claim History against the Best Practices Guidelines

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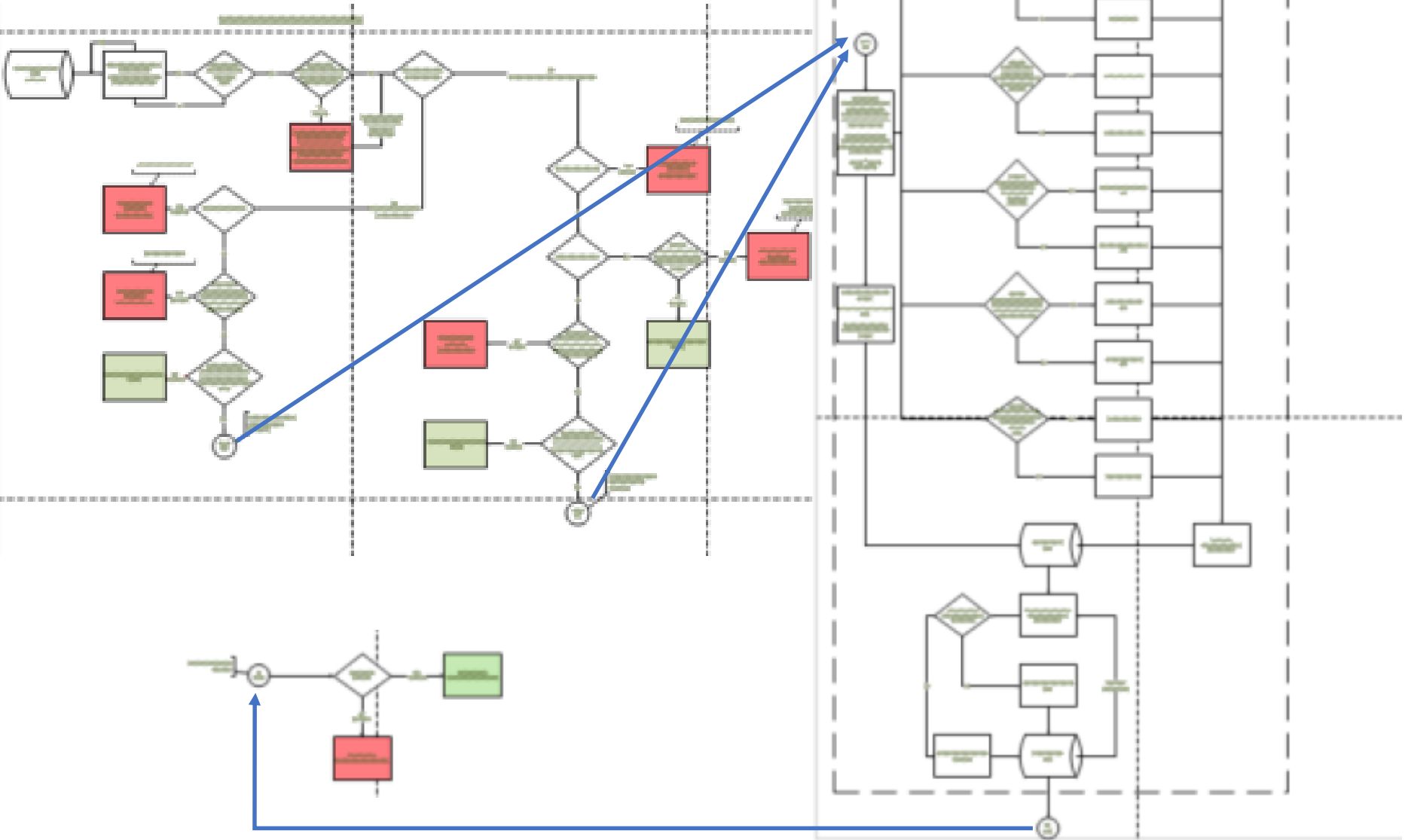
# ADA X-rays Guidelines

These recommendations are subject to clinical judgment and may not apply to every patient. They are to be used by dentists only after reviewing the patient's health history and completing a clinical examination. Even though radiation exposure from dental radiographs is low, once a decision to obtain radiographs is made it is the dentist's responsibility to follow the ALARA Principle (As Low as Reasonably Achievable) to minimize the patient's exposure.

Table 1.

TYPE OF ENCOUNTER	PATIENT AGE AND DENTAL DEVELOPMENTAL STAGE				
	Child with Primary Dentition (prior to eruption of first permanent tooth)	Child with Transitional Dentition (after eruption of first permanent tooth)	Adolescent with Permanent Dentition (prior to eruption of third molars)	Adult, Dentate or Partially Edentulous	Adult, Edentulous
<b>New Patient*</b> being evaluated for oral diseases	Individualized radiographic exam consisting of selected periapical/occlusal views and/or posterior bitewings if proximal surfaces cannot be visualized or probed. Patients without evidence of disease and with open proximal contacts may not require a radiographic exam at this time.	Individualized radiographic exam consisting of posterior bitewings with panoramic exam or posterior bitewings and selected periapical images.	Individualized radiographic exam consisting of posterior bitewings with panoramic exam or posterior bitewings and selected periapical images. A full mouth intraoral radiographic exam is preferred when the patient has clinical evidence of generalized oral disease or a history of extensive dental treatment.		Individualized radiographic exam, based on clinical signs and symptoms.
<b>Recall Patient*</b> with clinical caries or at increased risk for caries**	Posterior bitewing exam at 6-12 month intervals if proximal surfaces cannot be examined visually or with a probe			Posterior bitewing exam at 6-18 month intervals	Not applicable
<b>Recall Patient*</b> with no clinical caries and not at increased risk for caries**	Posterior bitewing exam at 12-24 month intervals if proximal surfaces cannot be examined visually or with a probe		Posterior bitewing exam at 18-36 month intervals	Posterior bitewing exam at 24-36 month intervals	Not applicable

# Guideline Model



# Dashboard

Overview

Select Year **2015**

Procedure Impossible Time Statistical Connection

### EXTRACTION

**7,824**  
ACTIVE PROVIDERS  
● 4,873 ● 2,951 ● 0

Primary Tooth Extraction Coded as Adult Extraction	Third Molar Extraction Codes Used for Non-Third Molar Extractions	Unjustified Surgical Extraction - Axiomatic
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### SEALANT

**18,021**  
ACTIVE PROVIDERS  
● 436 ● 17,585 ● 0

Buccal and Lingual Upcode - Axiomatic	Sealant Instead of Filling - Axiomatic
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### PERIO

**11,444**  
ACTIVE PROVIDERS  
● 11,439 ● 5 ● 0

Periodontal Scaling vs. Prophy	Periodontal Maintenance vs. Prophy	Comprehensive Periodontal Exam
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### CROWN BUILD UP

**13,076**  
ACTIVE PROVIDERS  
● 7,365 ● 5,684 ● 27

Crown build up overall - Axiomatic
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### FULL SERIES X-RAYS

**44,020**  
ACTIVE PROVIDERS  
● 55 ● 43,965 ● 0

Unjustified Full Mouth X-rays	Adult Bitewings X-rays	<b>Pediatric Bitewings X-rays</b>	Pedodontic FMX and Pano
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# Group of Providers



# Individual Provider



# Specific Provider Analysis


Select: Pediatric Bitewings X-rays

Provider: Allison, Ruffolo

Date of Service: [Calendar Icon]

**FILTER DATA**

**Dr. Allison, Ruffolo**  
[74709a3af9]  
Click to view provider addresses  
Review Period: 2015  
Specialty: Dentist




**206** Patients Seen









**208** Itemized Procedures Performed

**\$10,042.00** Total Amount Billed

**\$5,332.00** Recovered Amount



**Service Level Detail** Sort by: All Days Sort by: All Indicators

Row #	Date of Service	Total Patients	Fee \$	Day	Indic.	Detail
1.	01/05/2015	1	42.00	Monday	●	
2.	01/13/2015	1	57.00	Tuesday	●	
3.	01/21/2015	1	57.00	Wednesday	●	
4.	01/26/2015	1	29.00	Monday	●	
5.	01/28/2015	59	2,786.00	Wednesday	●	
6.	01/29/2015	88	4,509.00	Thursday	●	
7.	01/30/2015	36	1,675.00	Friday	●	
8.	02/02/2015	19	887.00	Monday	●	



# Patient Analysis

Select Pediatric Bitewings X-rays

Provider Allison, Ruffolo

Date of Service 01/28/2015

**FILTER DATA**

**Dr. Allison, Ruffolo**  
[74709a3af9]  
Click to view provider addresses  
Review Period: January 28, 2015  
Specialty: Dentist

59 Patients Seen

59 Itemized Procedures Performed

\$2,786.00 Total Amount Billed

25 Number Of Violations

**Patient Level Detail**

Search All Patient(s) Sort by Sort by order Expand All Rows

Row #	Patient ID	TX	Description	Fee	Action	Reason	Indic.	Detail
1.	0c3e9c2f93						●	
2.	0e5be81943						●	
3.	0ee2270cd8						●	
4.	175da794e5						●	
5.	25a7d39ee5						●	
6.	2766da8694						●	
7.	35ee3cce8a						●	
8.	3cc693c424						●	
9.	3dd05969e0						●	
10.	44088b511c						●	

1 2 3 (1 Out Of 6)





# Patient Line Item Analysis

Select: Pediatric Bitewings X-rays

Provider: Allison, Ruffolo

Date of Service: 01/28/2015

**FILTER DATA**

**Dr. Allison, Ruffolo**  
[74709a3af9]  
Click to view provider addresses  
Review Period: January 28, 2015  
Specialty: Dentist

59 Patients Seen | 59 Itemized Procedures Performed | \$2,786.00 Total Amount Billed | 25 Number Of Violations

**Patient Level Detail**

Search: All Patient(s) | Sort by: Sort by order | Expand All Rows

Row #	Patient ID	TX	Description	Fee	Action	Reason	Indic.	Detail
1.	0c3e9c2f93						●	📄
2.	0e5be81943						●	📄
3.	0ee2270cd8						●	📄
4.	175da794e5						●	📄
		D0274	Bitewings - Four Radiographic Images	\$55.00	The bitewing codes D027xx are disallowed	30_2_L	●	📄
5.	25a7d39ee5						●	📄
6.	2766da8694						●	📄
7.	35ee3cce8a						●	📄
8.	3cc693c424						●	📄
9.	3dd05969e0						●	📄
10.	44088b511c						●	📄

1 2 3 (1 Out Of 6)



# Results

Dentist	Patient	date of service	Procedure code	paid money	age	Reason related to guideline
Dr1	pat1	12/8/2014	D0330	\$130.50	3	Patient is < 6 years old
Dr2	pat2	7/6/2015	D0330	\$156.00	16	Caries risk = Low. Last FMX/Pano within 3-5 years



# Foundational Theory

You Tube video of previous presentation

<https://www.youtube.com/watch?v=LzDx>

[AgfdEGc](#)

