



Oral Health Care Coordination: The Role of Enabling Technology

Closing the Divide: Medical-Dental Integration
Conference – Des Moines, Iowa

November 15th, 2019



Welcome!



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Center for Healthy Women
and Children

A young child with dark hair is sitting in a blue dental chair, smiling broadly and showing their teeth. The child is wearing a dark long-sleeved shirt. The background is a blurred dental office with white shelves and equipment. A semi-transparent grey box is overlaid on the right side of the image, containing the text.

Why Children's Oral Health?

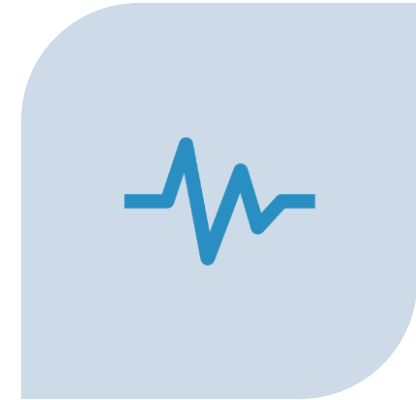
Purpose



THE IMPORTANCE OF
CARE COORDINATION

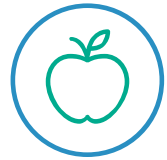


UTILIZING HEALTH
INFORMATION
TECHNOLOGY



ADDRESSING CLINICAL
BARRIERS

What Altarum is doing to address this



Best practices in schools



Stakeholder collaboration



Medical-dental integration



Technology

Evolution of our solution



OUR CHARGE

Reduce the burden of childhood dental disease in Michigan.

OUR APPROACH

Provider continuing education, referral technology, and community integration.



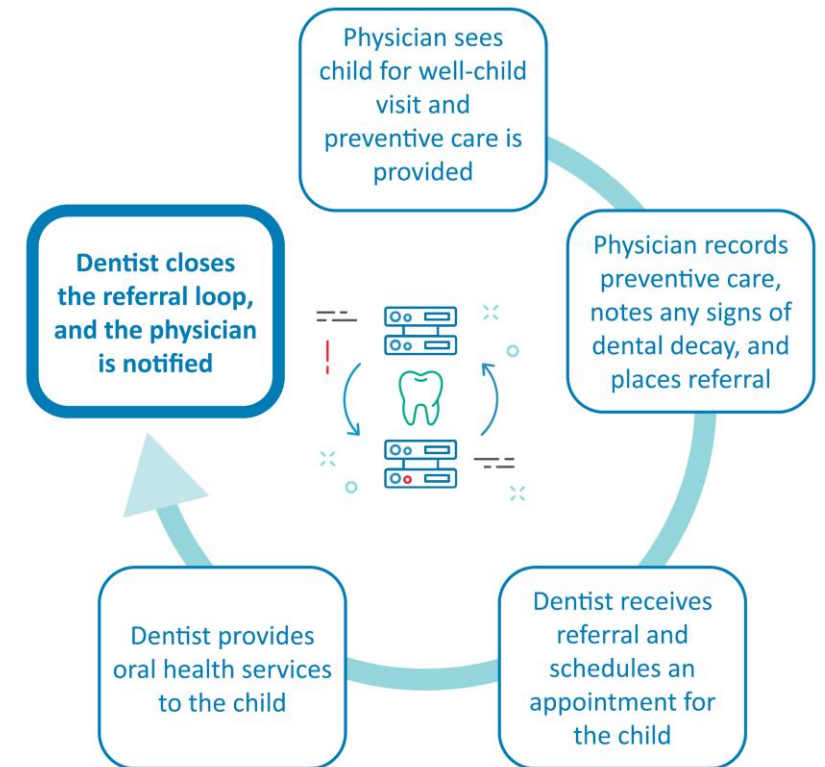
Nearly 1 Million

low-income children
received preventive
dental care, resources,
and dental referrals.

SmileConnect® Clinical



- ▲ Referral technology
- ▲ Strengthening the medical & dental divide
- ▲ Documenting care provided
- ▲ Closing the referral loop

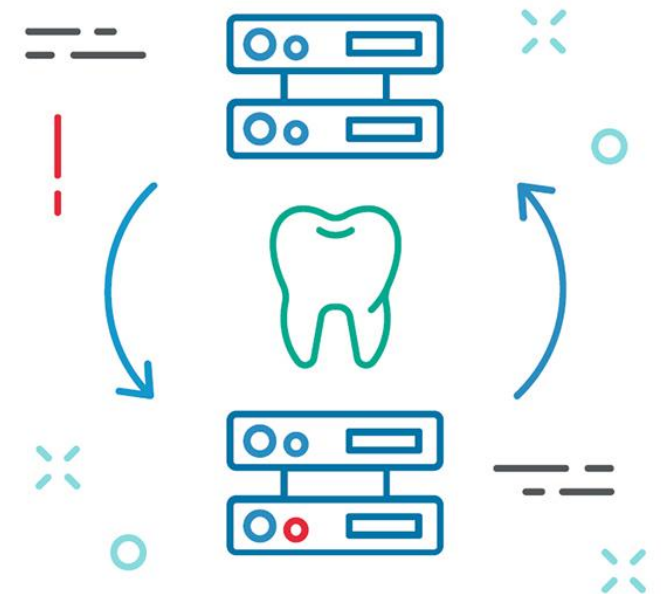


Methods




▲ Interoperability

- Authentication
 - Single Sign On
 - Electronic Health Record Systems
- Data Exchange



Single Sign On – MiDR

HELP CONTACT US

MILogin for Third Party

Login to your account

User ID

Password


LOGIN

SIGN UP

Forgot your User ID?

Need Help?

Forgot your password?



MILogin for Third Party

HOME REQUEST ACCESS UPDATE PROFILE SECURITY OPTIONS C

Admin Medical's Home Page

⌚ Your password will expire in **365** days

Access your applications by clicking on the application links below

 **Michigan Department of Health & Human Services (MDHHS)**

MiDR Federation

Login Module – LADRRS



Please Login/Register

Existing User

Username:*

Password:*

Login

[Forgot Your Username?](#)

[Forgot Your Password?](#)

[Change Your Password?](#)

New User

First Name:*

Last Name:*

Username:*


Email:*

Password:*

Confirm Password:*

Register






LOS ANGELES DENTAL REGISTRY
& REFERRAL SYSTEM

Visit More LA Smiles

Log In To LADRRS



Join Our Growing Group of
Los Angeles Based
Dental & Medical Providers

Register For LADRRS

Welcome Lara Smith!

Logout

Access your applications by clicking on the application links below



[LA Dental Registry and Referral System \(LADRRS\)](#)

Electronic Health Record Integration



- Epic
- Cerner
- AllScripts

The screenshot displays the AllScripts EHR interface for a patient named Terry A. Manning. The top header shows the date (7/4/2014), time (2y 7m), gender (Male), insurance (Medicaid), and patient ID (#66955). Below this, patient details include phone number (h: 734-445-3322), guarantor (Self), and marital status (Undefined). The main content area is divided into several sections: 'Encounters: By Caregiver, Oldest to Newest' showing a list of encounters; 'Medications: All, Newest to Oldest' showing a list of medications; and 'Orders: All, Newest to Oldest' showing a list of orders. A 'Launch' menu is open, displaying various options like 'Launch', 'Medsures', 'Clear Triage', 'Allscripts Application Store', 'Lattice Enroll', 'Moxe Connector', 'Acquire Welch Allyn Vital Signs', 'Practical Reviews', 'Byte Sized Prenatal', 'Talksoft - All Results', 'Talksoft - Confirmed Appointments', 'Talksoft - Reschedule Requests', 'Talksoft - Failed Attempts', 'Beacon LBS', 'Michigan's Dental Registry', 'Keona - My Health Desk (Demo)', 'Keona - Start Encounter (Demo)', 'Keona - My Health Desk (Dev)', 'Keona - Start Encounter (Dev)', 'References', and 'Web Browser'. The right sidebar contains a list of actions and inboxes, including 'Menu', 'Send Message', 'Print', 'Inboxes', 'Received Charts', 'Open Encounters', 'Result Notifications', 'Messages', 'vWeb Messages', 'Refill Requests', 'eRefill Requests', 'Documents', 'Report Results', 'External Notification...', 'ePHI Notifications', and 'Action Items'.

Dentist Search & Referral

Reason for Referral* ☐ Preventive Care ☐ Restorative Care ☐ Emergency/Trauma Care ☐ Other

Referral Notes

Search By Address

Search By Name

☒ Use Patient's Home Address

Street Address

State

City

Zip Code*

Documenting Oral Treatment



Treatment Update

Treatment Date

☒ Fluoride Varnish Application ☒ Applied ☐ Patient Declined ☐ Not Indicated

Oral Screening [View AAP Clinical Findings Overview](#)

Risk Assessment Findings ☐ Low ☐ Moderate ☐ High [View DTI Domain 2 Caries Risk Assessment Form](#)

Dental Treatment

Treatment Information

Oral Screening

- ☐ White Spots/Decalcifications
- ☐ Obvious Decay
- ☐ Restorations (Fillings) Present
- ☐ Visible Plaque Accumulation
- ☐ Gingivitis
- ☐ Healthy Teeth

Dental Treatment

- ☐ Preventive Care
- ☐ Restorative Care
- ☐ Diagnostic Care
- ☐ Other

The AAP and AAPD recommend fluoride varnish to be applied once the first tooth emerges, and every 3-6 months after that. Please note whether fluoride varnish has been completed during this well child visit.

Dental Provider Database



Dentist Search Results

P Public Transit Access

A Accepting New Patients

S Treats Special Needs

H Handicap Accessible

★ MiDR User

View Details	Miles	Practice Name	Dentist	Specialty	Address	Access	Select Provider
	1.1	Ann Arbor Family Dental PC	Schmidt, Kevin	General Dentistry	3250 Plymouth Rd Ste 202 Ann Arbor, MI 48105	★ A S H	
	0.5	Li He	He, Li	General Dentistry	1683 Plymouth Rd Ann Arbor, MI 48105	A S	
	0.6	EZ DENTAL PC	Reddy, Swathi	General Dentistry	2663 Plymouth Rd Ann Arbor, MI 48105	S	
	0.6	EZ DENTAL PC	SANGADALA, ANUPAMA	General Dentistry	2663 Plymouth Rd Ann Arbor, MI 48105	A S	
	1.1	SHIVA GOLTALAB-RAD DDS	Goltalab-Rad, Shiva	General Dentistry	3055 Plymouth Rd Ste 100 Ann Arbor, MI 48105	A S H	

Send Referral

Interprofessional Collaboration



- ▲ SC Clinical Current User Base:
 - Medical and dental providers
 - PA-161 providers (mobile dental providers)
 - Health Liaison Officers/child welfare division
- ▲ SC Clinical Future User Base:
 - WIC clinics
 - School health professionals

Results



- ▲ Consistent increase in care provided and dental homes established
- ▲ Claims data corroborates referral completion time
- ▲ Higher rate of children accessing oral health care services

Figure A: Increase in Treatment Documentation and Referrals Generated by Month

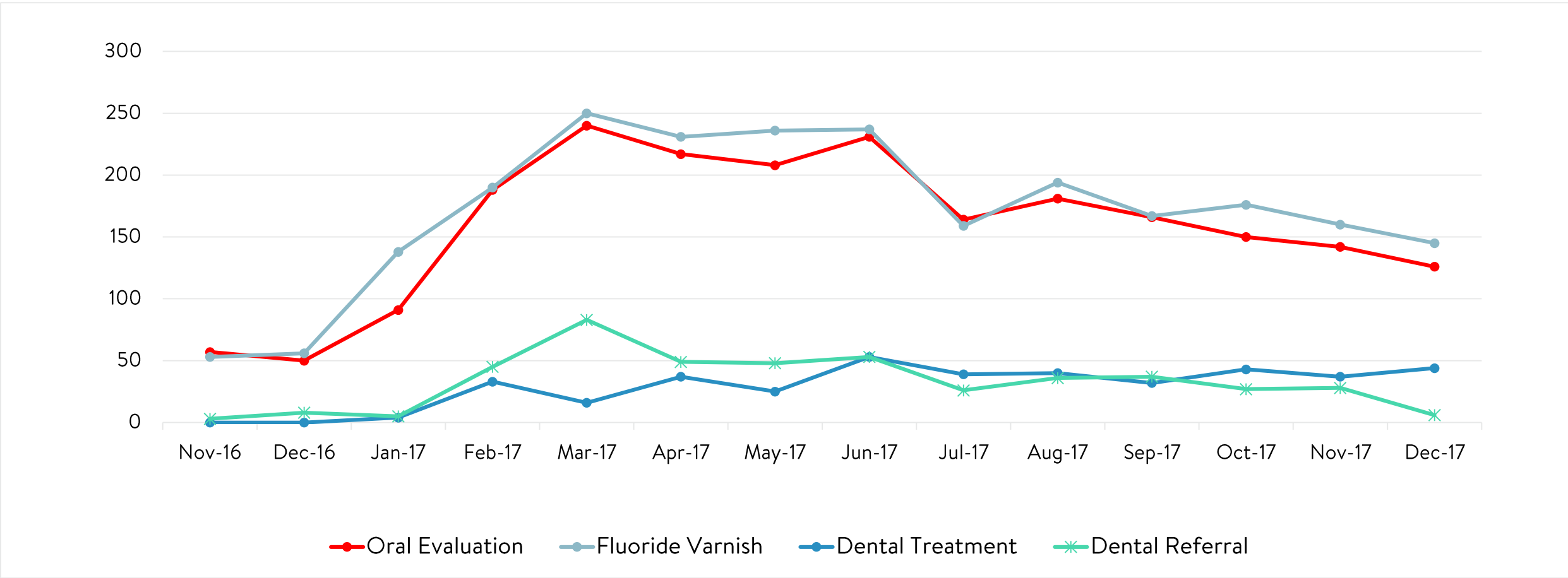
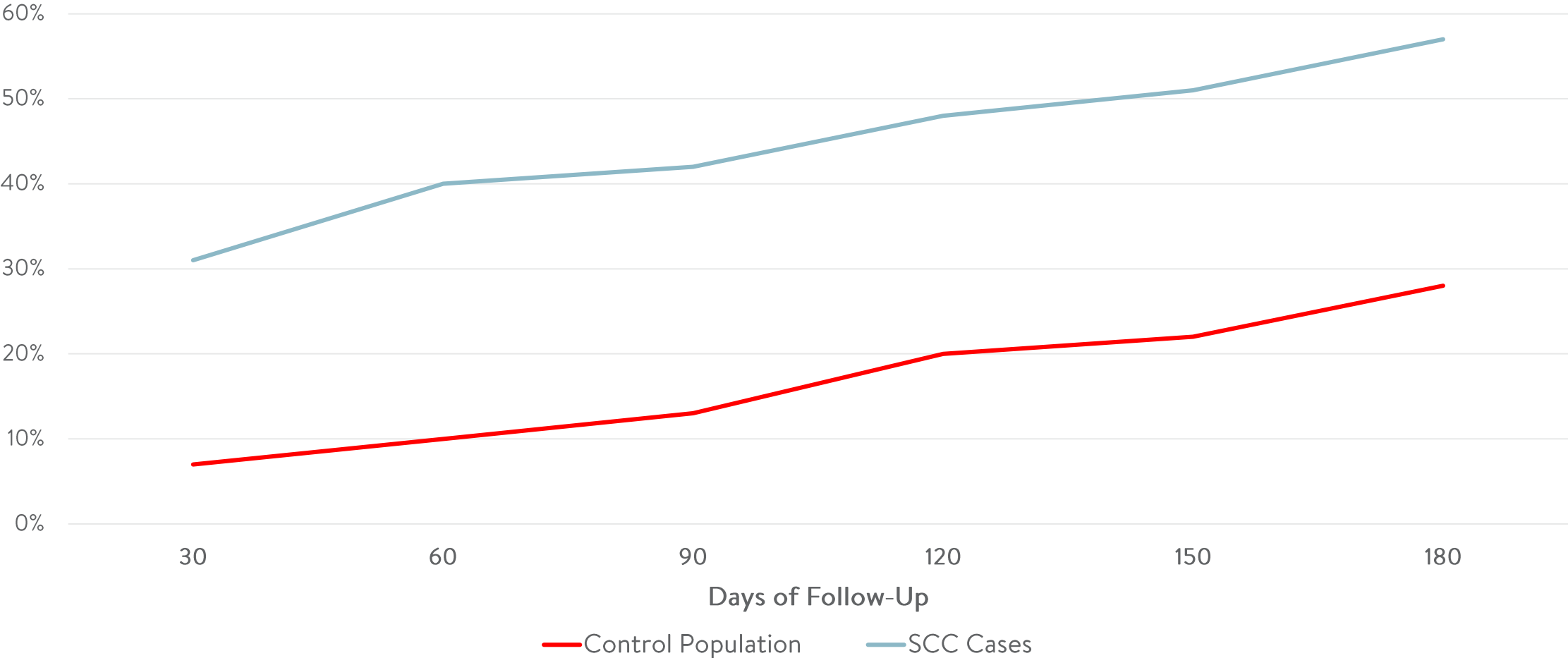




Figure B: Percent of SCC Cases with Dental Visit in Follow-up Period compared to Control Population



Monitoring Progress and Dental Quality Improvement

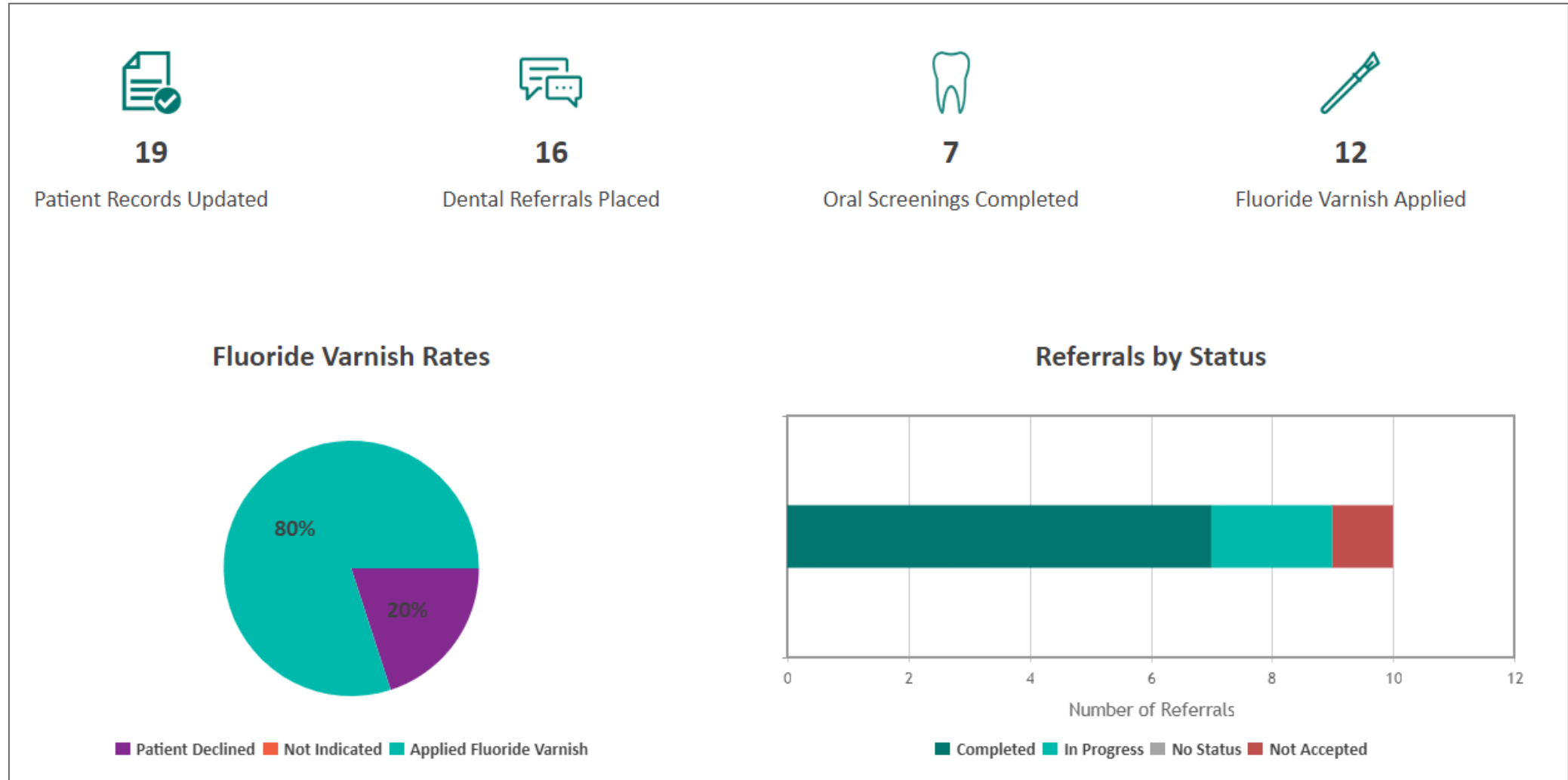


- ▲ Fluoride varnish application
- ▲ Oral screening findings
- ▲ Dental treatment
- ▲ Referrals submitted & completed

Dental Dashboard



- ▲ Dashboards are available at both the individual and clinic level.



Medical Dashboard



8

Patient Records Updated



11

Dental Referrals Placed



6

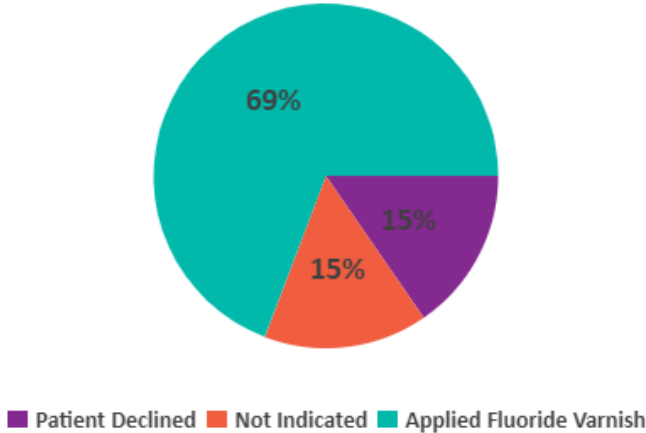
Oral Screenings Completed



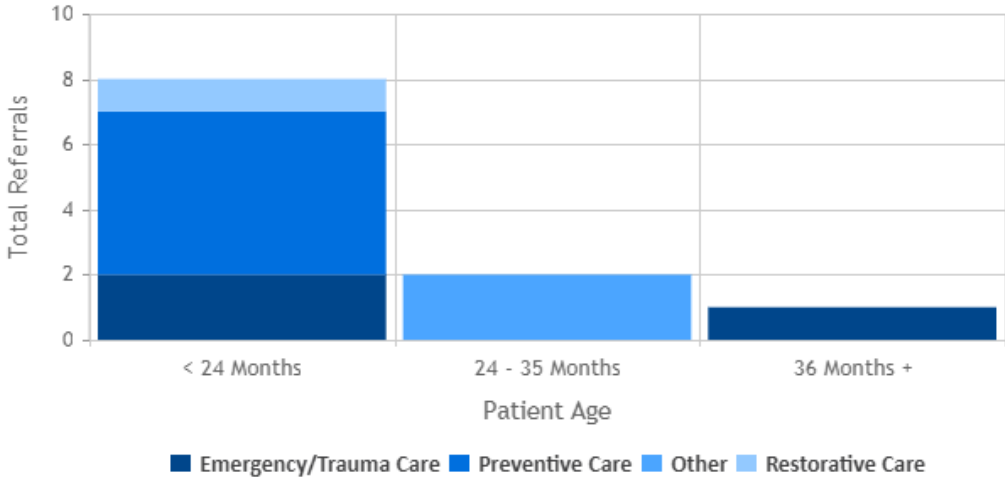
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Fluoride Varnish Applied

Fluoride Varnish Rates



Reason for Referral by Age



Evaluation



- ▲ Maintaining a “user balance”
- ▲ Localized outreach approach
- ▲ Statewide provider outreach
- ▲ Scalability



Questions?

WEBSITE

SmileConnect.org

TWITTER

[@SmileConnected](https://twitter.com/SmileConnected)

References



For more information on this subject, see the following publications:

- ▲ AAPD, 2016
- ▲ Mouradian, Wehr, & Crall, 2000
- ▲ Harris, Nicoll, Adair, & Pine, 2004
- ▲ Weyant, Tracy, & Anselmo et al., 2013