2023DQACONFERENCE



MOVING PAST DISRUPTION TO IMPROVE ORAL HEALTHCARE

Medical-Dental Integration in Action: Kaiser Permanente Dental

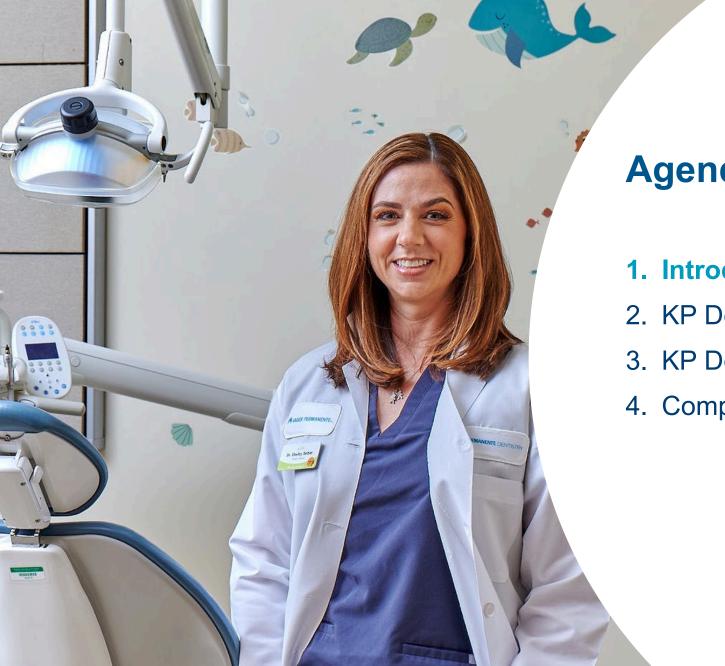
Cyrus J. Lee, DMD Chief Executive Office and Executive Dental Director

Daniel J. Pihlstrom, DDS Chief Dental Officer



Disclosures

• Cyrus Lee and Daniel Pihlstrom have no relationships to disclose.



Agenda

- 1. Introductions
- 2. KP Dental MDI Journey
- 3. KP Dental MDI Models
- 4. Components for KP to Operationalize MDI

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Medical-Dental Integration in Action: Kaiser Permanente Dental

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- Working together to provide integrated oral, medical, and behavioral health care¹
- An approach to care that integrates and coordinates dental medicine into primary care and behavior health to support individual and population health²
- Whole-person care that extends beyond teeth³
- A patient-centered continuum of care where the healthcare team multi-directionally communicate, collaborate, and share patient health information in order to improve overall health outcomes³
- Systems to allow bi-directional communication and collaboration between dentists and physicians in order to advance overall health



- 2) <u>https://www.carequest.org/topics/medical-dental-integration</u>
- 3) National Action Framework to Accelerate Whole-Person Integrated Care, National Oral Health Conference, 2023

¹⁾ Oral Health in America: A Report of the Surgeon General; 2000

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KP Membership / Permanente Physician Groups / Permanente Dental Group



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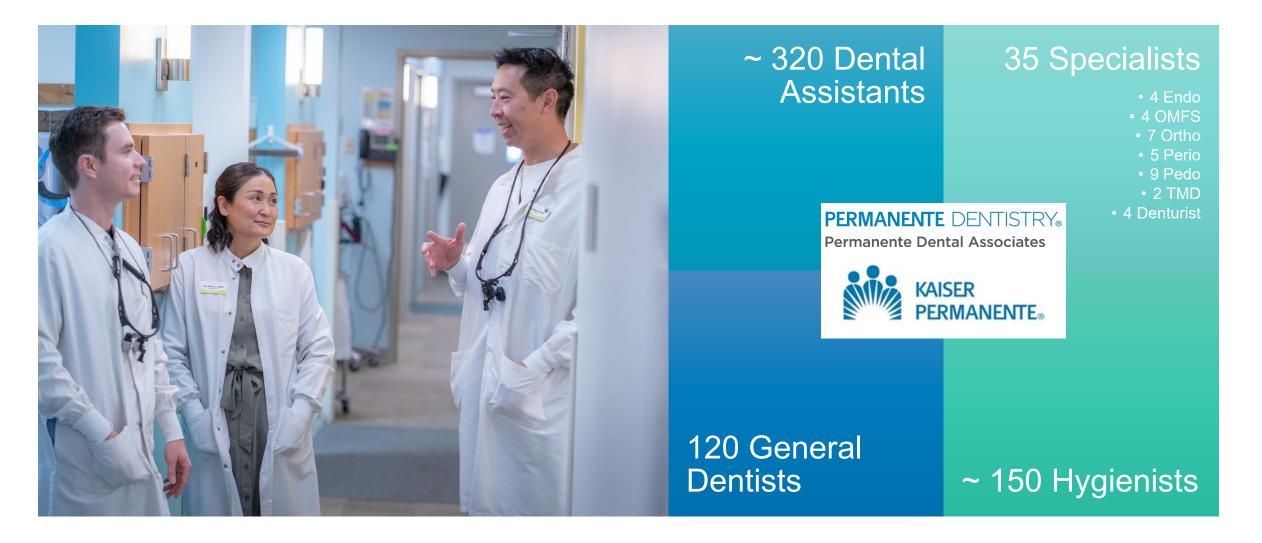
Relationship with Kaiser Permanente





- Dental Service Agreement (DSA)
- Memorandum of Understanding (MOU) Annual Contract
- Global + Value-based payment

Multi-Specialty Dental Program



TOP-NOTCH CARE

- Culture Of Quality Quality Systems



Portland



RIVAT

NCQA HEALTH INSURANCE

Corporation



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Patient Centered Care and Coverage

What Makes Kaiser Permanente Unique: Vertical Integration

- Value based benefit design (promotes EBD)
- Medical and Dental Home for patient centered care



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ORIGINAL CONTRIBUTIONS



Concordance Between

Clinical Practice and Published Evidence 22

COVER STORY



A New Look and a New Century 16

ORIGINAL CONTRIBUTIONS Teaching Light Coring 32 Screeping for Diabetes

COVER STORY

Concordance between clinical practice and published evidence

Findings from The National Dental Practice-Based Research Network

Higher concordance levels. The data set from this study cannot provide definitive explanations for why the PDA/HPDG group practice setting and female sex were associated with higher levels of concordance. Therefore, we can only speculate and state that additional research is warranted to explain these findings. Regarding the association between concordance with published evidence and the PDA/HPDG group practice, we do know that both of these groups have formalized programs and conduct practitioner meetings that are designed to facilitate discussion about the latest clinical evidence and how it applies to routine clinical practice. It is possible that these organizational efforts are effective at closing the research-to-practice gap for these groups of practitioners. In addition, clinicians at both PDA and HPDG create evidence-based guidelines on various topics, and these guidelines are disseminated to staff members. Regarding the association with sex, our study results show that female dentists were more likely to have high

n Funkhouser, DrPH; Valeria V. Gordan, DDS, MS, MPH; D. Brad Rindal, DDS; ormas J. Hilton, DMD, MS; Julie Gregg H. Gilbert, DDS, MBA; e-Based Research Network

Indings provide the foundainical practice guidelines deove care processes and improve ex. Although additional emptriguide many areas of dentistry, a tence already exists to support ceffic materials, techniques or of preventive, diagnostic and hese include some of the most general dentists (for example, ment, deep caries diagnosts and uraction, restoration diagnosts

idence-based recommendapractice settings, reflectknow works (or does not being performed. Indeed, dentists often do not engage rs that are consistent with recommendations or pubr example, in one study," only oners reported performing A) for their patients despite s to include CRA for all y, only 44 percent of general ber dam for all root canal n several studies found that s for caries prevention and dren, ---- as is often -based guidelines."

ada.org January 2014

ABSTRACT

Background. Documenting the gap between what is occurring in clinical practice and what published research findings suggest should be happening is an important step toward improving care. The authors conducted a study to quantify the concordance between dirical practice and published evidence across preventive, diagnostic and treatment procedures among a sample of dentists in The National Dental Practice-Based Research Network ("the network"). Methods. Network dentists completed one questionnaire about their demographic characteristics and another about how they treat patients across 12 scenarios/clinical practice behaviors. The authors coded responses to each scenario/clinical practice behavior as consistent ("1") or inconsistent ("0") with published evidence, summed the coded responses and divided the sum by the number of total responses to create an overall concordance score. The overall concordance score was calculated as the mean percentage of responses that were consistent with published evidence. **Results**. The authors limited analyses to participants in the United States (N = 591). The study results show a mean concordance at the practitioner level of 62 percent (SD = 18 percent); procedure-specific concordance ranged from 8 to 100 percent. Affiliation with a large group practice, being a female practitioner and having received a denial destree before 1990 were independently associated with high concordance (> 75 percent). CONClusion. Dentists reported a medium-range concordance between practice and published evidence. Practical implications. Efforts to bring research findings into routine practice are needed. KEY WOLDS. Clinical practice; evidence-based den-

Indiags into routine practice are needed. Key Words. Clinical practice, evidence-based dentistry; dentibitry; implementation science. JADA 2014;145(1):22-31. doi:10.14219/jada.2013.21

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EDITORIAL: Diversity in Dentistry 253

ORIGINAL CONTRIBUTIONS Permanent Tooth Types and Untreated Dental Caries 269

COVID-19 in Asymptomatic Pediatric Patients 277

Opioid Prescribing Patterns by Dental Procedure 309

Original Contributions

Examining the association of medical-dental integration with closure of medical care gaps among the elderly population

David M. Mosen, PhD, MPH; Matthew P. Banegas, PhD, MPH; John F. Dickerson, PhD; Jeffrey L. Fellows, PhD; Neon B. Brooks, PhD; Daniel J. Pihlstrom, DDS; Hala M. Kershah, DDS; Jason L. Scott, MPH, MPP; Erin M. Keast, MPH

ABSTRACT

CONCLUSIONS

Our data indicate that integrating medical and dental care can effectively close care gaps among older adults and may be an effective, relatively low-cost way to improve health outcomes for this population.

ation of medical and dental care in the dental setting offers a unique al care gaps, such as providing immunizations and laboratory-based tests, nonintegrated settings.

ched cohort study design among patients 65 years or older (n = 2,578) to the Kaiser Permanente Northwest medical-dental integration (MDI) , through December 31, 2019. MDI patients were matched 1:1 to nonon 14 characteristics. The Kaiser Permanente Northwest MDI program ntive (for example, flu vaccines) and disease management care gaps (for bin testing) within the dental setting. The closure of all care gaps (yes e for the analysis. Multivariable logistic regression was used to evaluate

the association between exposure to the MDI program and level of office integration (least, moderate, and most integration) with closure of care gaps. All data were obtained through Kaiser Permanente Northwest's electronic health record.

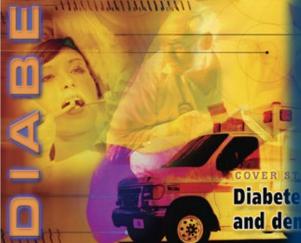
Results. MDI patients had significantly higher odds (odds ratio [OR], 1.46, 95% confidence interval [CI], 1.29 to 1.65) of closing all medical care gaps than non-MDI patients. Greater MDI integration was associated with significantly higher odds of gap closure compared with non-MDI (least integration: OR, 1.18, 95% CI, 1.02 to 1.37; moderate integration: OR, 1.70, 95% CI, 1.36 to 2.12; most integration: OR, 2.08, 95% CI, 1.73 to 2.50).

Conclusions. Patients receiving dental care in an MDI program had higher odds of closing medical care gaps compared with similar patients receiving dental care in a non-MDI program.

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COVER STORY

Curing Lights' Effect on Gingival Epithelial Cell Proliferation 260 THE JOURNAL OF THE AMERICAN DENTAL ASSOCIATION



CLINICAL PRACTICE Using antibiotics to treat dental infections in children 31

RESEARCH Education versus occlusal splints for treating myofascial pain 47

DISCUSSION

The results of this study show that regular receipt of dental care across a three-year period was independently associated with lower diabetesspecific ED utilization and hospital admissions after we adjusted for demographics, previous diabetes-Diabete specific ED utilization and hospital admission, CCI and descore, periodontal risk factors, obesity status and primary care utilization.

COVER STORY

Assessing the association between receipt of dental care, diabetes control measures and health care utilization

David M. Mosen, PhD, MPH; Daniel J. Pihlstrom, DDS; John J. Snyder, DMD; Elizabeth Shuster, MS

iabetes mellitus is a chronic illness that requires continuing medical care and disciplined patient selfmanagement to prevent complications. Diabetes prevalence has escad States 1 27 states,

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ce of diags at least ad an agence of less , the agepercent Diabetes n people ilation) res in the d senior pro-Health 4, 3800 M. ariat couests ince Base care. officer, Permanente Dental Associates, Portland, Ore.

ABSTRACT Background. The literature contains few

studies regarding the relationships between receipt of regular dental care and medical outcomes for people with type 2 diabetes. Methods. The authors compared hemoglobin Ak (HhA_k) levels (< 7 percent versus > 7 percent), low



density lipoprotein cholesterol levels (< 100 milligrams/deciliter versus ≥ 100 mg/dL) and diabetes-specific hospital admissions and emergency department (ED) visits (one or more visits versus no visits) in 493 people with type 2 diabetes who received regular dental care (e two prophylactic visita, periodontal treatment visita or both during a 12-month period) with measures in 493 people with type 2 diabetes who did not receive any dental care. The authors matched patients, all of whom had private medical and dental insurance benefits during the study period, with regard to age, sex and previous utilization of ED visits and hospital admissions, and they followed them for three years.

Results. The authors analyzed the data by using multiple logistic regression, which showed that receipt of regular dental care was associated with lower diabetes-specific ED utilization (odds ratio [OR] = 0.61, 95 percent confidence interval [CI] = 0.40, 0.92) and hospital admissions (OR = 0.61, 95 percent CL 0.39-0.95) after they adjusted for age, sex, previous hospital admissions, previous ED utilization, race, baseline HhA_{it} values, Charlson comorbidity index score, body mass index status, periodontal risk status and primary care utilization. The authors found no significant association between receipt of dental care and control of HhAr levels. CONCluSIONS. The study results show an association between regular receipt of dental care and reduced diabetes specific medical care utilization (that is, ED visits and hospital admissions). Clinical Implications, Although the results of this study could not show causality, they suggest that receipt of dental care may reduce diabetes-specific health care utilization. Prospective studies are needed to better understand the relationship of receipt of dental care with diabetes control and health care utilization measures. Key Words. Diabeter; health care utilization; receipt of dental

JADA 2012;143(1):20-30.

Ms. Shuster is a research analyst, Center for Realth Sosaamh, Kaiser Permanania Korthwest, Perland, Ora-

Dr. Smither is the denia

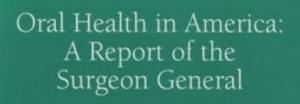
20 JADA 143(1) http://jada.ada.org January 2012

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Agenda

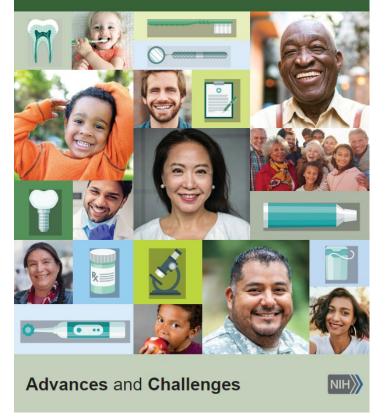
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Department of Health and Human Service

Oral Health in America



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For consideration and discussion

1) What can you start working on today to advance medical-dental integration?

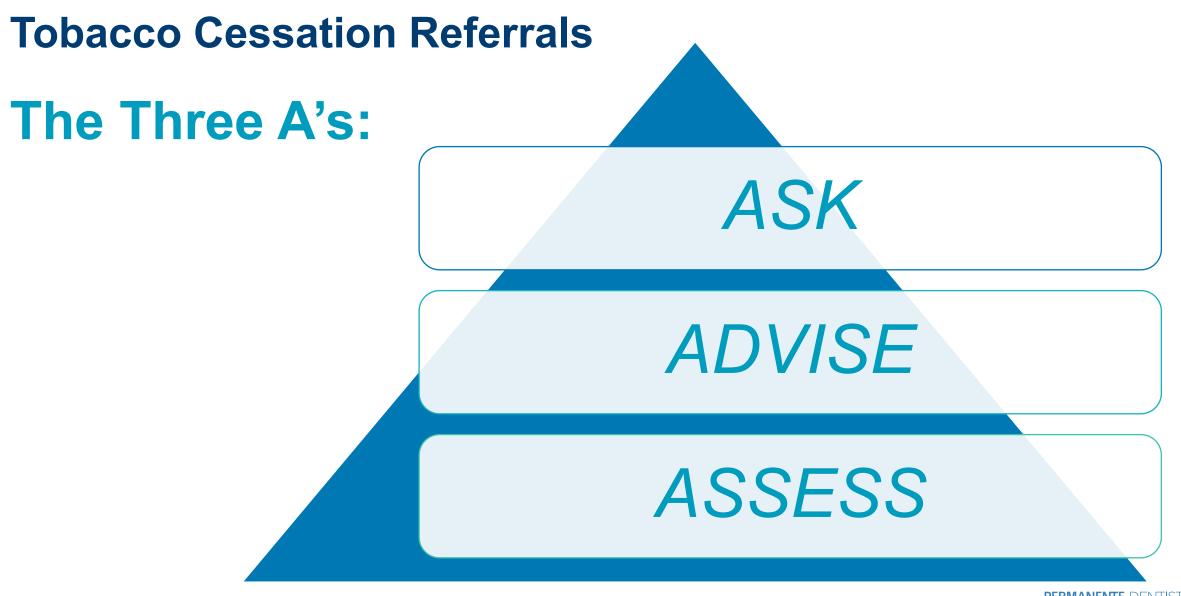
- 2) What types of 'care gaps' could be adapted to the day-to-day work in your setting?
- 3) Looking at components of your practice model, are there any you could use to incorporate MDI?
 - 1) How could you engage staff in shared responsibility for overall health?



Blood Pressure Advice Slip

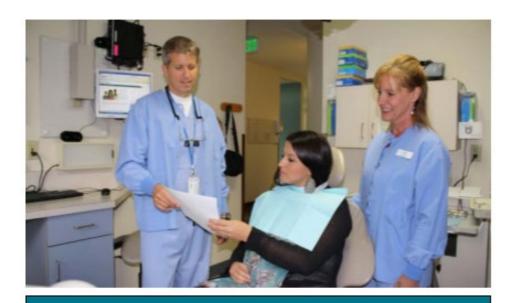
lvice Slip te:	Your Blood	Pressure today is:
Systo	lic (Heart Pumping)-F	first Number Recommended Follow Up*
	Classification	Recheck in 2 years
ange, mmHG	Normal	Lifestyle modifications** and
ess than 120	Prehypertension	recheck annually
20-139 40-159	Stage 1 Hypertension	recheck annually Medical consult within 2 months and Lifestyle modifications** Medical consult within 1 month
		Medical consult within 1 meek
60-179	Stage 2 Hypertension	Medical consult within 1 week
180-209***		Seek medical care immediately
Greater than 210	tolic (Heart Relaxed)-	Second Number
Dias	tolic (Heart Related)	Recommended Follow Up*
Range, mmHG	Classification	Recheck in 2 years
Less than 80	Normal Prehypertension	Lifestyle modifications** and
80-89		recheck annually Medical consult within 2 months and
90-99	Stage 1 Hypertension	Lifestyle modifications
100-109	a Ukraartensio	Medical consult within 1 week
110-119***	Stage 2 Hypertensio	Seek medical care immediately
Greater than 120		Seek in a second tions for
Greater than the	stolic categories are differe	int, follow recommendations for
shorter follow up: **Lifestyle modificati sodium reduction to coupled with incre cessation, and mod all persons. More 6816 for Portland:	ions include: maintaining norm o 2.4gm/day, DASH eating pla ased intake of fruits, vegetable deration of alcohol consumptio information available through all other areas 866-301-3866.	nal body weight, regular aerobic exercise, n (reduced saturated and total fat intake, s, and low-fat dairy products), tobacco n. These recommendations are beneficial for Health Education Services at 503-286- if medical risk factors present. F the Joint National Committee (JNC VII) on reatment of High Blood Pressure, 2004

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PERMANENTE DENTISTRY_® Permanente Dental Associates

Patient Support Tool



Patient Support Tool

Using oral health providers as extenders of primary care to improve health outcomes A KASER PERMANENTE.

Name: DEMO1010481157 MRN: 010481157

Primary Care Physician: DEMO DOC1 (ABCDE)

Managing your health is important to us. This is a personalized summary of your health care needs. It is also a reminder of how important it is to keep up to date with medical tests and health screenings. Having regular tests and screening can help you avoid many health problems, and will help you and your health care team to better manage any existing problems.

Our records indicate you are due for the following:

Lab Tests - please bring this paper order with you to any Kaiser Permanente lab. Most medical offices provide laboratory services between 8 a.m. and 5 p.m. Monday through Friday

Test	About this test	Test code - for lab use
Blood tests		
Diabetes monitoring test (HbA1c)	This test measures average blood glucose levels. Generally lower levels are better, and for most patients a level under 7 is best.	A1C
Cholesterol Profile (Lipid Panel)	Adults with diabetes or atherosclerosis (hardening of the arteries) have fewer heart attacks and strokes if their LDL cholesterol level is less than 100.	FAS
Urine/stool tests		
Diabetes kidney function test (MicroAlb/Cr)	This test can detect protein in your urine which can be an early indication of diabetic kidney disease. Early treatment of this disease can prevent serious problems.	UMS

Due dates for tests and screenings may vary from person to person depending upon age, general health, and other factors as determined by your dinician.

> Questions about this letter? Call us Monday through Friday, 8 a.m. to 6 p.m. All areas 1-800-813-2000 TTY 1-800-735-2900 Language interpretation services 1-800-324-8010 You may also log on to **kp.org** to send a secure message to Membership Services.

Journey of Integration



Dental Patient Engagement Committee MDI Co-Design







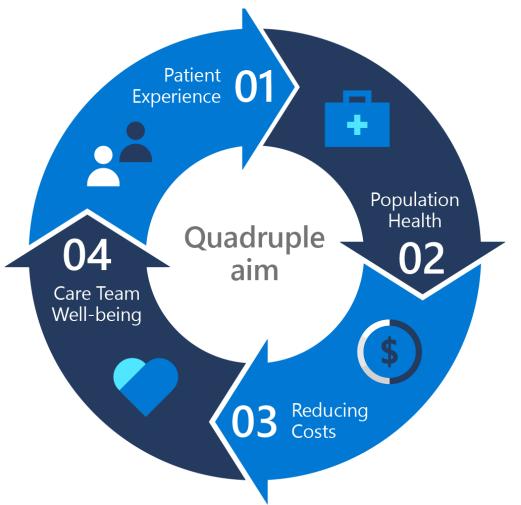


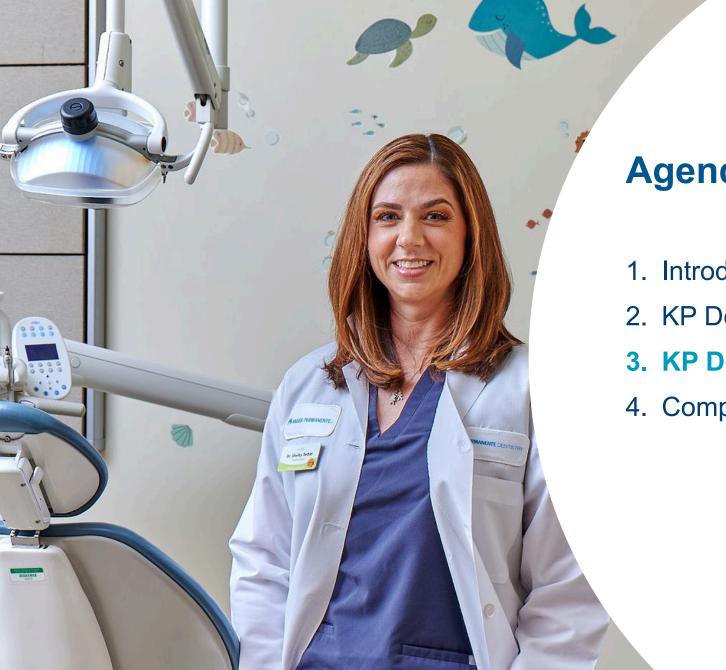


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MEDICAL + DENTAL INTEGRATED CARE FOR A HEALTHIER, HAPPIER YOU

Quadruple Aim





Agenda

- 1. Introductions
- 2. KP Dental MDI Journey
- 3. KP Dental MDI Models
- 4. Components for KP to Operationalize MDI

For consideration and discussion

- 1) What can you start working on today to advance medical-dental integration?
- 2) What types of 'care gaps' could be adapted to the day-to-day work in your setting?

1) Looking at components of your practice model, are there any you could use to incorporate MDI?

1) How could you engage staff in shared responsibility for overall health?



5,000 flu vaccines, **1,600** COVID-19 vaccines



70,000 care gaps closed by dental offices

2021 MDI PERFORMANCE

- Healthy Smile
- Total Health
- Prevention
- Chronic Care Management



OUR DENTAL VISITS COME WITH SOMETHING EXTRA

Medical-Dental Integration (MDI)

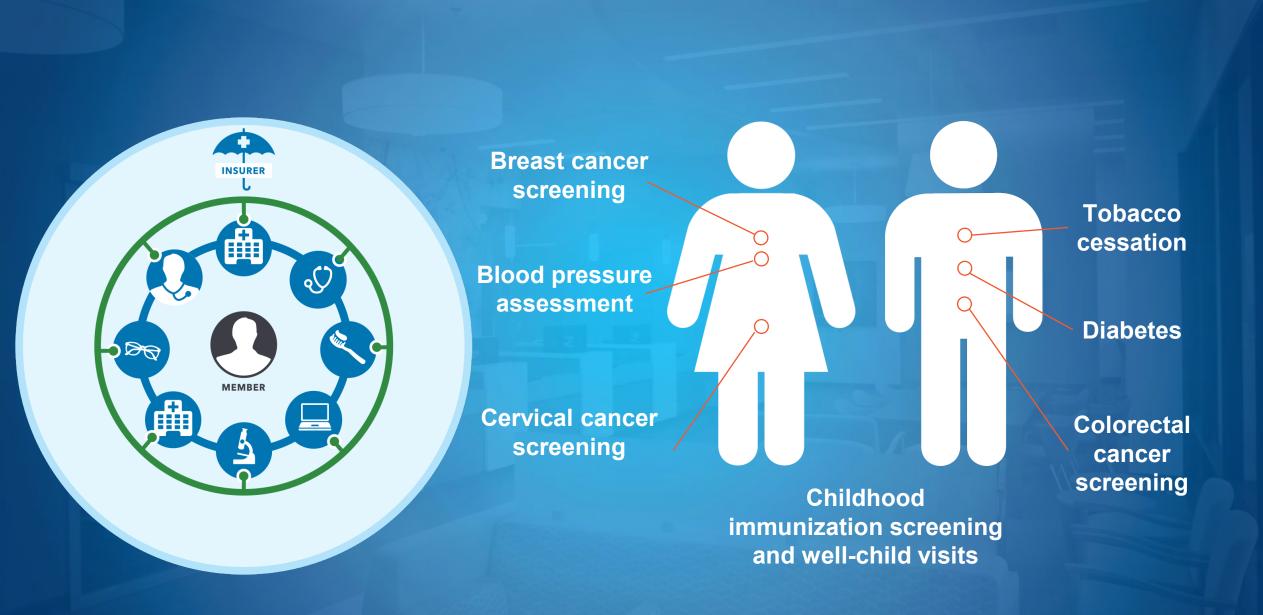




1,633 Medical Appointments Booked

MDI Offices Performance YE 2021 Glisan, Beaverton, Cedar Hills, Tanasbourne, Salmon Creek Dental Offices





MDI Care Gaps Opportunities

Child (<18)

Adult

Nurse Visits

Immunization

DTAP

- o Polio
- MMR
- HIB
- Hepatitis B
- Hepatitis A
- Varicella
- Pneumococcal (PCV13)
- Influenza (seasonal flu)
- HPV
- TDAP/TD
- Meningococcal ACWY

Clinician Visits*

- Well Child/Physicals ٠
- Chronic Condition Refresh ٠

Nurse Visits

- Immunization:
 - \circ TDAP/TD
 - Pneumococcal (PCV13)
 - Shingles
 - \circ MMR
 - Influenza (seasonal flu)
 - HPV
 - Meningococcal ACWY Meningococcal B
 - 0
 - HIB 0
 - Varicella
 - Hepatitis B
- Hepatitis A
 BP Screening
- DM Foot Screen
- Social determinants of health screening

* LPNs assisting member with scheduling while they are in the office.

Lab

- ٠
- Colorectal cancer screening- fit kit HbA1c Test (with and without DM) Microalbumin urine test: DM renal test Lipid panel- cholesterol screening
- TSH- thyroid testing K- Potassium
- **Creatinine levels**
- Basic metabolic panel Additional labs as ordered by MD

Clinician Visit*

- Diabetes retinopathy screen Annual physical examination Cervical cancer screening
- Breast cancer screening DM annual visit care gap

Patient self-refer services

Smoking cessation

Technology is key



Patient Support Tool

Using this tool, our clinicians can support the preventive and chronic-disease management needs of patients in a holistic manner. It provides a comprehensive overview of an individual patient's care gaps at every point in their interaction with our care-delivery teams. The Patient Support Tool enables caregivers to work together to improve the health of patients as individuals and as a population. Since the tool's introduction in 2005, Kaiser Permanente of the Northwest has been among the top performing health systems for quality as measured by the National Commission for Quality Assurance and Healthcare Effectiveness Data Information Set.

...But so is culture

- Communication Tips

"I like to use the PST as a mechanism to educate and get to know the family better."

- Greg Stafford, DDS (Glisan Pediatric)



"It's important to sit down, slow down, and be intentional to make the right impression. Be in front of the patient at eye level and connect with them."

- Dr. Cyrus Lee (PD at Cedar Hills)



Levels of Integration in the Dental Offices

<u>Tier 1</u> All Dental Offices	<u>Tier 2</u> Salmon Creek	<u>Tier 3</u> Glisan, Tanasbourne, Cedar Hills	<u>Tier 4</u>
Stand alone dental without LPN No embedded medical staff and currently it relies on patient engagement and education through the patient friendly handout	Dental Office with Medical Co- Location, no LPN Support No embedded medical staff, but relies on the dental team engaging patients, and coordinating patient care through warm hand-off in a co-located facility	Co-located or stand alone with embedded nurse Embedded medical staff supporting the dental team and members. Co- located facilities offer additional opportunities for workflow alignment across Dental and Medical Teams.	Co-located with embedded nurse + Clinician Fully Integrated Medical and Dental service offerings by both services in one location and building patient health experiences with this foundation.
 Patient Education Patient Friendly PST 	 Facilitate Care Gap Closure: Immunizations, Labs Due, Blood Pressure Check, Fit Distribution, Mamm DUE, Diabetic Retinopathy Due Facilitate scheduling Medical Appointments Chronic Condition, Well Child, Physical, Well Woman Patient Education Patient Friendly PST * Dental team coordinates patient care by warm handoff to lab, imaging, or Nurse Treatment Room (NTR) 	 Addressing Care Gaps: Immunizations, Blood Pressure Check, Diabetic Foot Screen Lab draw and processing 	 Addressing Clinician Care Gaps: Well-child, Chronic Condition Review, Physicals, Well Woman/PAP Bp Screening and medication adjustment Addressing Medical Care Gaps: Immunizations, labs due, BP Check, Diabetic Foot Screen, Alcohol and Depression Screening Facilitating Care Gap Closure: Fit Kit Distribution; Mammogram; Diabetic Retinopathy Screening Panel members to location and PCP

• Assist members with KP.org signup

Patient Education

• Patient Friendly PST

- Panel members to location and PCI
- Assist members with KP.org signup
- New Diagnosis Onsite & Telehealth)
- **Patient Education**

Tier 1 MDI

All Dental Offices - no LPN Support

No embedded medical staff, but relies on the dental team **engaging** patients through patient education and care gap reminders



Types of Preventative Care Gaps

- *Educate* on Care Gap Closure:
 - Immunizations
 - Labs Due
 - Blood Pressure Check
 - Fit kit
 - Mamm DUE
 - Diabetic Retinopathy Due
- Educate on scheduling Medical Appointments
 - Chronic Condition
 - Well Child
 - Physical
 - Well Woman/PAP
- Patient Education
- Patient Friendly PST

Tier 2 MDI

Dental Office with Medical *Co-Location*, no LPN Support

No embedded medical staff, but relies on the dental team **engaging** patients, and coordinating patient care through **warm hand-off** in a **co-located facility**



Types of Preventative Care Gaps

- Facilitate Care Gap Closure:
 - Immunizations
 - Labs Due
 - Blood Pressure Check
 - Fit Distribution
 - Mamm DUE
 - Diabetic Retinopathy Due
- Facilitate scheduling Medical Appointments
 - Chronic Condition
 - Well Child
 - Physical
 - Well Woman/PAP
- Patient Education
- Patient Friendly PST

*Dental team *coordinates* patient care by *warm handoff* to lab, imaging, or Nurse Treatment Room (NTR)

Tier 3 MDI

Co-located or stand alone with embedded nurse

Embedded medical staff supporting the dental team and members. Co-located facilities offer additional opportunities for *workflow alignment* across Dental and Medical Teams.



Types of Preventative Care Gaps

Addressing Care Gaps:

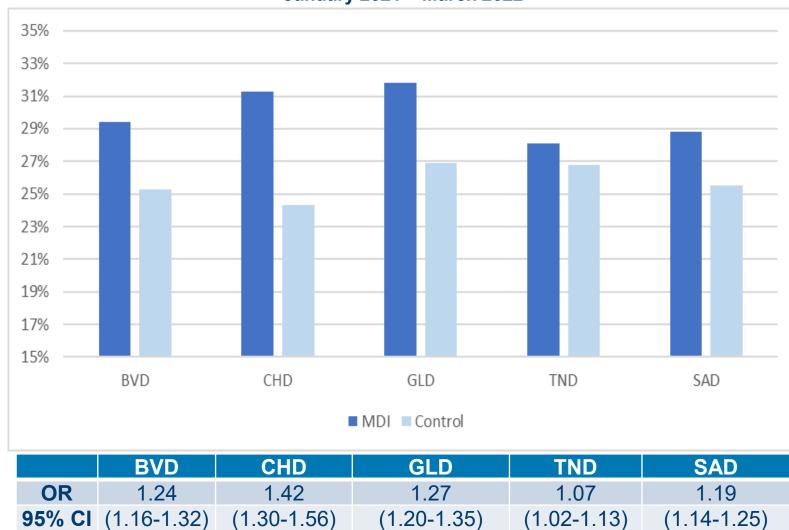
- Immunizations
- Blood Pressure Check
- Diabetic Foot Screen
- Lab draw and processing
 - Stand alone sites
 - Only LPNs

Facilitating Care Gap Closure:

- Fit Kit Distribution
- Mammogram
- Diabetic Retinopathy Screening
- Scheduling Medical Appointments:
 - Chronic Condition
 - Well Child
 - Physical/Well Woman
 - Medicare Wellness
- Panel members to location and PCP
- Assist members with KP.org signup
- Patient Education
- Patient Friendly PST

Care gap closure at MDI sites continue to be higher than at non-MDI sites

Adult Patients Closing All Open Care Gaps within 60 Days of Dental Visit



January 2021 – March 2022

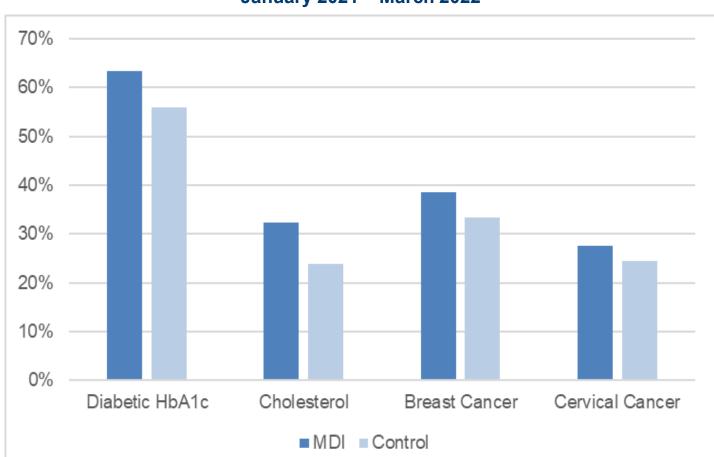
Overall, patients are

25% more likely

to close care gaps when seen at a Tier 3 site compared to a Tier 1 site.

MDI is an important access point for our patients

Priority Care Gap Closure Among Adult Dental Patients



January 2021 – March 2022



ONE out of **THREE**

patients seen at dental clinics have not seen their designated PCP in 2+ years and are

20% more likely

to close care gaps at a Tier 3 site then at Tier 1 sites.

MDI 2023 Priorities

High Priority Work	Activities	Measure	Target	Who?
MDI Tier 2 Site Spread	 By End of Q2 2023 Spread practice to all co-located Medical/Dental Sites LVK/LKD; CPK/CPD; NLD/NLR; KZS/KZD; SKY/SYD Tier 3 Workflows when no LPN present Introducing Passport at MOBs 	Increased HEDIS metrics for BP Reminder; Diabetic Care Gaps; Mammography; Diabetic Retinopathy; FIT Increase PG Scores – Concerns for Overall Health	BP Reminder, DM Gap, Cancer Screening, DM Retinopathy, PG: By location – YE +2% Per Metric	Emily Klof
Chairside Engagement	 Spread Practice of PST Conversation Increase PST Touches Increase practice of PST Flowsheet usage for GD and DA 	Dental PST Flowsheet Use PFH Rate by MOB (quality targets and tools)	70% 75%	Emily Klof Holly Morgan Daniel Pihlstrom Carl Washington
Dental Message Management	 Protocols Onboarding KP.org options 	Message Turn Around Time **Need PG Measure**	TBD	Emily Klof, Program Manager Mike Armstrong Kerrin Watkins, OYD DOM (SME) Kasi Pankey Lindsey Popov , Dylan Sorber (GNL)
Flu Vaccines in Dental	All Oregon locations by Q3 2023Dentists at all OR	Clinical Quality Targets and Tools – Flu Shot one dose (Prevention) Flu Imm Rate for Eligible Population	TBD: 2023-2024 Target for Overall Performance Target by Location	Emily Klof Daniel Pihlstrom



Kaiser Permanente Research

Social Needs Screening in Dental Care and Care Gap Closure

David Mosen PhD, MPH, Matthew Banegas PhD, MPH, Daniel Pihlstror DDS, Erin Keast, MPH, John Dickerson, PhD, Jeffrey Fellows, PhD AAODCR/CADR Annual Meeting March 15, 2023

Conclusions and Implications for Dental Care

Conclusions

- Nearly 30% of study population had any self-identified social needs.
- One social need associated with higher care gap closure, compared to no social needs.
 - Finding likely influenced my unmeasured confounding measures.

Implications for Dental Care

- It's possible to conduct social needs screening assessments in the dental care setting.
- Future research needed to examine association of presence of social needs with dental related outcomes.

KAISER PERMANENTE

Our Community





PERMANENTE DENTISTRY® Permanente Dental Associates

Medical + Dental

BETTER TOGETHER





Agenda

- 1. Introductions
- 2. KP Dental MDI Journey
- 3. KP Dental MDI Models
- 4. Components for KP to Operationalize MDI

For consideration and discussion

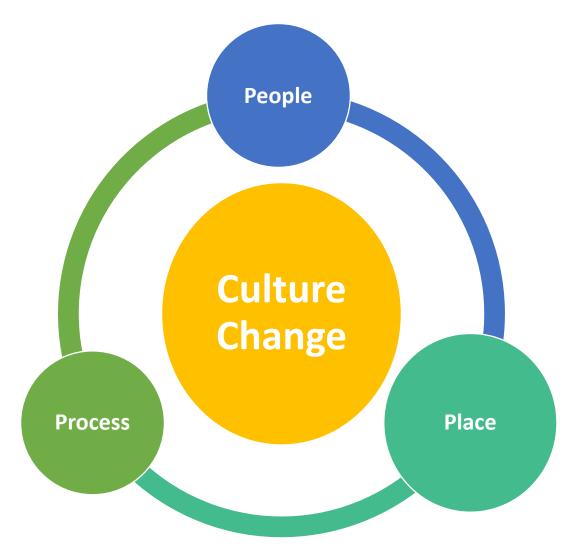
- 1) What can you start working on today to advance medical-dental integration (MDI)?
- 2) What types of 'care gaps' could be adapted to the day-to-day work in your setting?
- 3) Looking at components of your practice model, are there any you could use to incorporate MDI?
 - 1) How could you engage staff in shared responsibility for overall health?

KAISER PERMANENTE'S INTEGRATED SYSTEM

- Shared responsibility in total health
- Shared population: Medical and Dental
- Co-located Facilities
- Shared informatics platform
- Global + value-based payment



MDI FRAMEWORK





Medical + Dental BETTER TOGETHER I EXTREMELY appreciated the hygienists offer to have the nurse give me my flu shot. Having the nurse at the dental office has been very convenient for me before too, I'm diabetic and she saved me a visit over to the lab for an ordered blood draw the last time I was there too. I was told I needed a bone density test. I like knowing that even though I was having my teeth cleaned. I love having medical and dental in the same facility. This is very handy.

KAISER PERMANENTE

GET MORE SMILEAGE

MEDICAL AND DENTAL CARE, WORKING TOGETHER

I really liked my dental hygienist. She was thorough, efficient, and pleasant. Thank you, for providing a nurse at the dental office. I have gotten both 1 dose of my shingles vaccines and a flu shot there. The nurse on duty is an efficient professional. It is very convenient to get these routine shots there & not make on extra trip to the Rockwood Clinic. It was very evident that the dentist had read my medical history in addition to my dental history. Thus he was able to make the best recommendations based on my diabetes. I was very impressed with his thoroughness.

MDI Stories

Dental visit helped early detection of breast cancer.

Nurse scheduled mammogram for member after a dental appointment and discovered stage 1 cancer.

Dental visit speeds cancer diagnosis and treatment

Missing mammogram noted at dental visit encouraged patient to get scanned. A tumor was detected, treated and resolved.

Medical + Dental = Lifesaving Care for 7-year old girl

Unusually high blood pressure detected during a dental visit led to detection of a birth defect and may have saved one of her kidneys.

Dental nurse educated patient on their diabetes results and led to the member's changed lifestyle and diet. Patient scheduled all labs due during their dental visit and made positive changes that resulted in lower blood pressure at their next dental visit.

- EPIC FRAMEWORK



savings in 2018 from technology enhancements

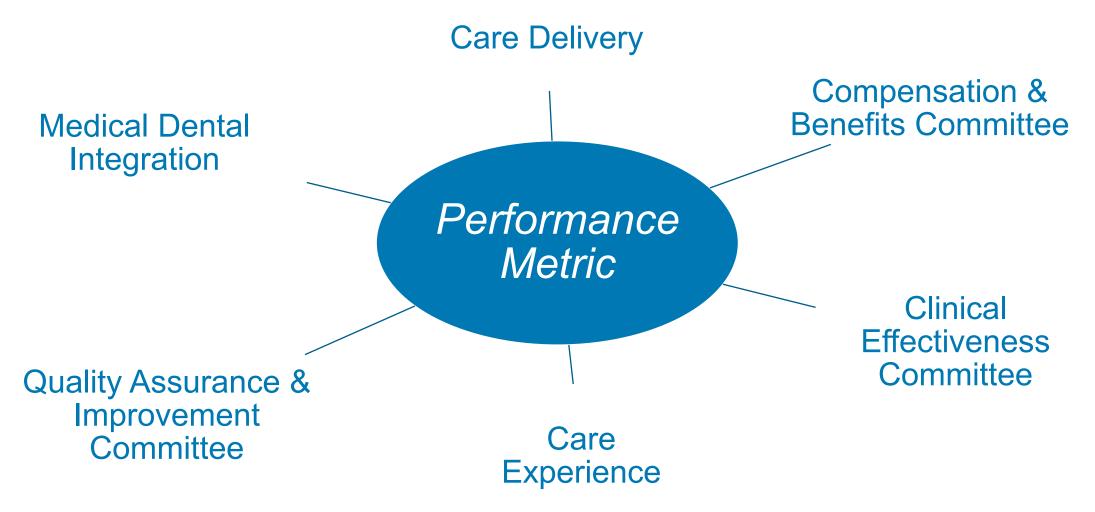
Integrating Technology - Wisdom/EPIC

- Electronic charting and referrals.
- Online/mobile connection through kp.org
- Integrated claims processing
- Common registration, point of service revenue collection, and patient billing
- Patient scheduling
- Electronic prescriptions and common medication list with KP Medical
- Dental care gap closure dashboard

ALIGNED INCENTIVES + CLINICAL DATA

QUALITY, EFFICIENCY, AND BEST OUTCOMES

Global and Value Based Compensation Inputs



PERMANENTE DENTISTRY. Permanente Dental Associates

Transparent Reports

MDI Provider Summary

Office: CHD

Year	2022	. r
Report Month	3	~v
BASE_LOC	CHD	~v

prov_name ~	prov_type 🖂	OPPORTUNITY	STAGED/RESOLVED	DECLINES	% Staged or Resolved	% Declined	% MDI Touched	% Change	
CENSONI, PAULA	DENTIST	16	11	2	68.75%	12.50%	81.25%	9.67%	
DIHLSTROM, DANIEL	DENTIST	15	8	2	53.33%	13.33%	66.67%	8.89%	
BYUN, PAULA	DENTAL HYGIENIST	6	3	1	50.00%	16.67%	66.67%	0.95%	
CHERNISHOV, FROSINA	DENTAL HYGIENIST	6	1	3	16.67%	50.00%	66.67%	-	F
BINGUYEN, FRANKLIN	DENTAL HYGIENIST	8	3	2	37.50%	25.00%	62.50%	-7.50%	
SANTIAGO HERNANDEZ, NOR	DENTAL HYGIENIST	19	5	5	26.32%	26.32%	52.63%	-	
FRASER, ANDREA	DENTIST	6	2	1	33.33%	16.67%	50.00%	-	
• MENSAH, TETE	DENTAL HYGIENIST	6	3		50.00%	0.00%	50.00%	-20.37%	
CHD CO-OP	DENTIST	5			0.00%	0.00%	0.00%	-9.09%	
								-	F
								-	

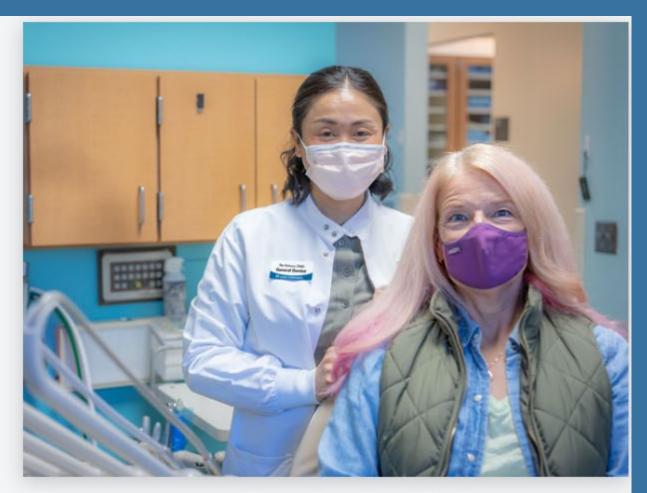
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In closing...

PERMANENTE DENTISTRY® Permanente Dental Associates November 12, 2021

Dental visit speeds cancer diagnosis and treatment

A reminder to complete a routine mammogram and early detection — helped one Kaiser Permanente member overcome breast cancer.



Lifelong Kaiser Permanente member Kat Riley (right), with her dentist, Rie Kimura, DMD.



Thank you!

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