

Exploring Paths for Dental Integration and Coordinated Care

January 2019 AIDPH Colloquium

Evolving the Dental Public Health Landscape

Interprofessional Practice and Value-Based Care



NADP's Mission

To promote <u>and advance</u> the dental benefits industry to provide access to affordable, quality dental care



NADP Programs & Services

Government Relations

- State & federal legislative & regulatory tracking, comments & lobbying
- Proactive initiatives

Research

- Industry benchmarks
- Employer concerns/interests
- Consumer concerns/interests
- Specialized snapshots of a particular practice

Education & Communication

- Industry Conferences & webinars
- Presentations to Others
- Voice of the dental benefits industry to press and policymakers

Collaboration on Terminology, Standards, & Transactions

- X12 & HL7
- SNOMED
- DQA
- CMC

- DeCC
- SCDI
- DeCFAC
- WEDI



Learning Objectives

- Create a basic understanding of the dental benefits market and the impediments and opportunities it creates for dental/medical integration
- Share key findings of studies of dental treatment impacts on key medical costs in both the private and public sector.
- Discuss expansion of dental benefits in public programs as well as opportunities and risks for continuation of that coverage.
- Explore potential changes in the private market that could expand or supplement care delivery for public programs.

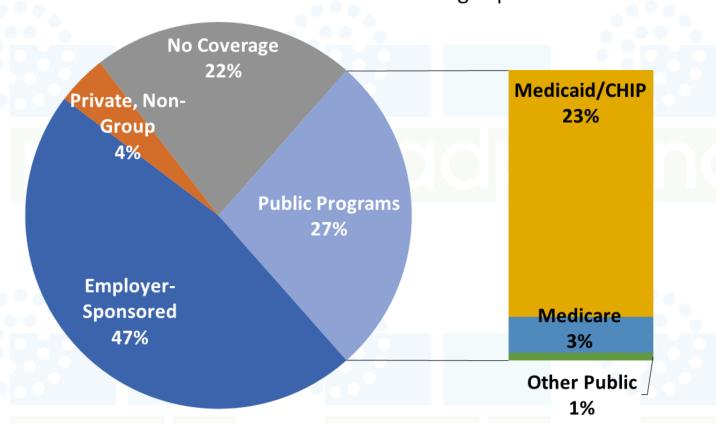


Dental Enrollment Trends



2017 Sources of Dental Coverage

Dental Enrollment Based on Coverage Sponsor

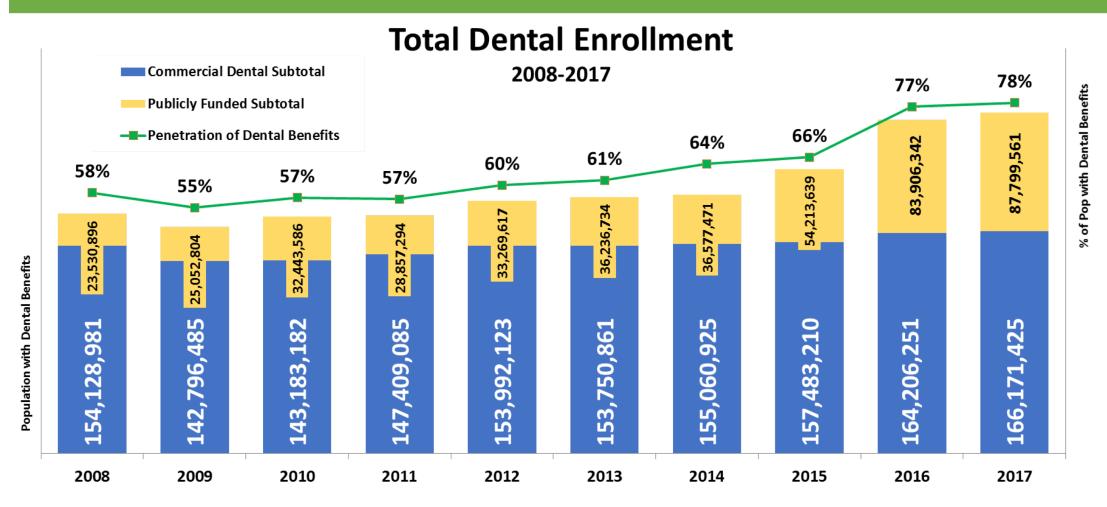


- Only 22% of Americans have no dental benefits.
- A little more than half of the population gets dental benefits in the private market—through employers or by purchasing as an individual.
- Just over a quarter of the population gets dental benefits through a public program.
- About 4% of the population has individual coverage for dental services.

SOURCE: NADP 2018 Dental Benefits Report: Enrollment



National Dental Enrollment



Source: NADP 2018 Dental Benefits Report: Enrollment

Population Covered by Dental Benefits

Line of Business	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Dental HMO Fully Insured	12,644,357	10,762,619	11,875,554	12,398,000	12,355,672	12,217,084	11,574,778	11,048,940	11,261,033	10,352,228
Dental HMO Self Insured							149,762	334,514	144,686	508,396
Dental HMO SubTotal	12,644,357	10,762,619	11,875,554	12,398,000	12,355,672	12,217,084	11,724,540	11,383,454	11,405,719	10,860,624
Dental EPO Fully Insured						625,669	769,951	768,671	943,317	1,101,901
Dental EPO Self Insured						841,123	64,770	69,905	105,823	231,250
Dental EPO SubTotal						1,466,792	834,721	838,576	1,049,140	1,333,151
Dental PPO Fully Insured	55,372,701	52,838,087	50,532,502	54,626,844	55,418,049	55,786,462	60,305,006	60,325,659	62,537,417	67,878,029
Dental PPO Self Insured	47,203,344	45,398,695	54,946,570	59,150,390	65,329,852	65,255,114	66,998,652	67,996,481	70,450,784	73,166,595
Dental PPO SubTotal	102,576,045	98,236,782	105,479,072	113,777,235	120,747,901	121,041,576	127,303,658	128,322,139	132,988,202	141,044,624
Discount Dental (Savings) Plans	14,841,684	12,973,418	8,531,500	6,972,830	8,572,529	8,826,779	5,742,910	6,167,625	7,394,146	7,506,821
Discount Dental Network Subtotal*	15,222,240	13,306,070	8,958,075			9,268,117	6,030,055		7,763,854	
Dental Managed Care SubTotal	130,442,642	122,305,471	126,312,700					147,020,175		
Dental Indemnity Fully Insured	12,217,209	10,703,769	6,920,515	5,853,260	6,078,344	5,903,230	5,236,164	6,084,242	6,676,780	2,921,133
Dental Indemnity Self Insured	9,899,602	8,347,503	8,510,110	7,454,246	5,209,760	4,647,461	4,493,870	4,086,296	3,817,726	1,640,513
_	22,116,811	19,051,272	15,430,624	13,307,506	11,288,103	10,550,691	9,730,033	10,170,538	10,494,506	4,561,646
Dental Direct Reimbursement SubTotal	1,569,528	1,439,742	1,439,857	604,873	599,292	673,393	272,639	292,498	504,831	489,218
Commercial Dental Subtotal	154,128,981	142,796,485	143,183,182	147,409,085	153,992,123	155,217,653	155,895,646	157,483,210	164,206,251	166,171,425
CHIP							884,341	847,269	8,900,074	9,460,160
Medicaid (includes CHIP through 2013) (Commerically	19,288,603	20,027,589	29,033,795	25,284,823	29,349,567	30,725,441	31,125,600	44,572,417		65,178,409
administered only)									2007/1993/1993/1993	
Medicare (supplement plans)	2,840,066	3,603,547	1,829,536	1,992,216		3,925,380	3,257,943	6,006,165	6,485,423	10,914,992
Other	1,402,227	1,421,668	1,580,255	1,580,255	1,687,336	1,585,913	1,309,567	2,787,788	2,642,345	2,246,000
Publicly Funded Subtotal Other	23,530,896	25,052,804	32,443,586	28,857,294	33,269,617	36,236,734	36,577,471 12,736,677	54,213,639	83,906,342 1,013,187	87,799,561
EST. Total Dental Benefits Market	177,659,877	167,849,289	175,626,768	176,266,379	187,261,740	191,454,387		211,696,849		253,970,986

Medicaid and CHIP enrollment are based on data published by the Center for Medicaid Services. Other public includes data from a variety of public sources, including the Department of Defense, Bureau of Indian Affairs, the Bureau of Prisons and other sources. All other data is reported by plans or through other private data available to NADP.

^{*} Applied a 5% underreporting factor to subtotal



Impacts of Oral Health on Overall Health



Oral Health in America: A Report of the Surgeon General

among all Americans. The report, commissioned by Health and Human Services Secretary Donna E. Shalala, also focuses on the relationship between oral health and overall good health throughout life, problems and other health problems.

Dr. Satcher noted that major barriers to oral health include socioeconomic factors, such as lack of dental insurance or the inability to pay out of pocket, or problems of access that involve transportation and the need to take time off from work for health needs. While 44 million Americans lack medical insurance, about 108 million lack dental insurance. Only 60 percent of baby boomers receive dental insurance through their employers, and most older workers lose their dental insurance at retirement.

Department of Health and Human Services
U.S. PUBLIC HEALTH SERVICE

Meanwhile, uninsured children are 2.5 times less likely to receive dental care than insured children, and children from families without dental insurance are 3 times as likely to have dental needs as compared to their insured peers.



47.2% of adults aged 30 years and older have some form of **periodontal disease** ¹

Periodontal disease increases with age, 70.1% of adults 65 years and older have periodontal disease ¹

The United States preterm birth rate of 9.6% equates to an economic burden of at least \$26.2 billion in direct and indirect costs. 4

About **92.1 million** American adults are living with cardiovascular disease or the after-effects of stroke. Direct and indirect costs of cardiovascular diseases and stroke are estimated to total more than **\$316 billion** ³



More than 29 million
Americans are living with
diabetes, and 86 million
(more than a third of
American adults) are living
with prediabetes. The total
estimated direct and indirect
cost of diagnosed diabetes in
2012 was \$245 billion 2

¹https://www.cdc.gov/oralhealth/conditions/periodontal-disease.html June, 2016

²https://www.cdc.gov/chronicdisease/resources/publications/aag/diabetes.htm July, 2016

³https://www.heart.org/idc/groups/ahamah-public/@wcm/@sop/@smd/documents/downloadable/ucm 491265.pdf January, 2017

http://www.midwife.org/acnm/files/ccLibraryFiles/Filename/00000006389/MillionBabiesWhitePaper112916.pdf 2016

Chronic Disease Study Overview

The study used data from 2005-2009 to analyze 1.7MM people, ~91,000 of which were diabetic patients with periodontal disease

• In patients with periodontal disease, the study compared primary outcomes including:

- Medical costs
- Number of Medical Visits
- Number of Hospital Admissions

Patients who received treatment and were maintained

VS.

Patients who remained untreated



Conclusions: Total Medical Costs

		Annual Total Medical Costs Per Subject					
Condition		Periodont	al Disease	Difference	Significance		
		Untreated	Treated	Difference			
Type 2 Diabetes (T2D)		\$7,056	\$4,216	\$2,840 (40.2%)	P<0.04		
Cerebral Vascular Disease (CVD)		\$13,895	\$8,214	\$5,681 (40.9%)	P<0.04		
Coronary Artery Disease (CAD)		\$10,222	\$9,133	\$1,089 (10.7%)	Varies by Year		
Rheumatoid Arthritis (RA)		\$9,218	\$8,637	\$581 (6.3%)	No		
Pregnancy First Instance		\$3, 299	\$866	\$2,433 (73.7%)	P<0.001		
and Delivery	Second Instance	\$3,301	\$1,754	\$1,547 (46.9%)	No		

Source: Jeffcoat, M., et. al., Periodontal Therapy May Improve Outcomes in Specific Systemic Conditions; Evidence From Insurance Claims. Abstract, American Association of Dental Research, March 22, 2014

Jeffcoat MK, Jeffcoat RL, Gladkowski PA, Bramson JB, Blum JJ. *Impact of Periodontal Therapy on General Health: Evidence from Insurance Data for Five Systemic Conditions*, American Journal of Preventive Medicine, 47(2014) pp. 166-174. DOI: 10.1016/j.amepre.2014.04.001



Conclusions: Inpatient Hospital Admissions

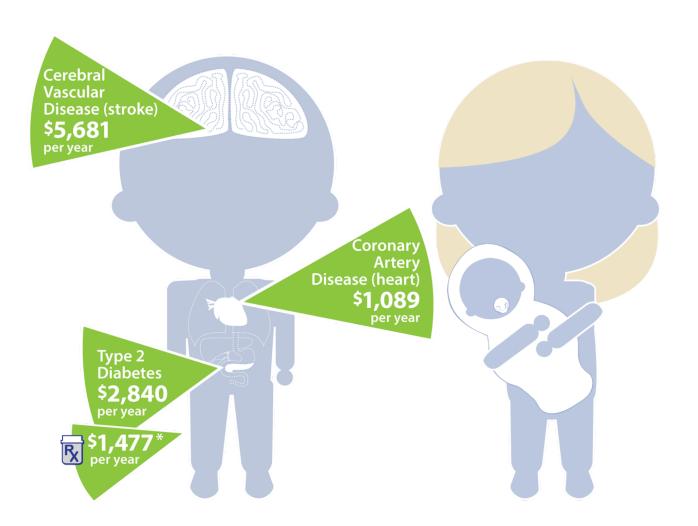
		Annual Inpatient Admissions per 1000 Subjects					
Condition		Periodonta	al Disease	Difference	Significance		
		Untreated	Treated	Difference			
Type 2 Diabetes (T2D)		66.625	40.350	26.283 (39.4%)	P<0.05		
Cerebral Vascular Disease (CVD)		444.425	350.000	94.433 (21.2%)	P<0.02		
Coronary Artery Disease (CAD)		65.225	46.575	18.653 (28.6%)	P<0.001		
Rheumatoid Arthritis (RA)		142.650	136.275	6.383 (4.5%)	No		
Pregnancy First Instance							
and Delivery	Second Instance		NO.	ot Applicable			

Source: Jeffcoat, M., et. al., Periodontal Therapy May Improve Outcomes in Specific Systemic Conditions; Evidence From Insurance Claims. Abstract, American Association of Dental Research, March 22, 2014

Jeffcoat MK, Jeffcoat RL, Gladkowski PA, Bramson JB, Blum JJ. *Impact of Periodontal Therapy on General Health: Evidence from Insurance Data for Five Systemic Conditions*, American Journal of Preventive Medicine, 47(2014) pp. 166-174. DOI: 10.1016/j.amepre.2014.04.001



Chronic Disease Savings



\$2,433 on costs associated with the mother's medical treatment prior to delivery of her first baby.

Aetna-Columbia Study Results: Retrospective Claim Analysis, Chronic Conditions

Episode Risk Group™ (ERG) scores for Diabetes, CAD & CVD participants

ERG™ is a
Modeling
tool
to predict
current and
future health
care
utilization

ERG™ Risk Scores	Periodontal Services Risk Score	No Dental Services Risk Score	Reduction in Risk Score
Diabetes	3.39	4.79	29.2%
Coronary Artery Disease (CAD)	4.68	6.49	27.9%
Cerebrovascular Disease (CVD)	6.23	8.26	24.6%



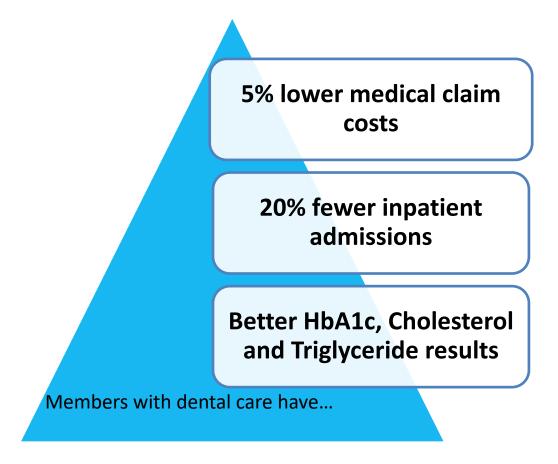
Aetna-Columbia Study Results: Retrospective Claim Analysis, Pregnancy

Treatment Group Variable	No.	Observed P Low Birth V No.	robability of Veight,* (%)	Observed Pr Preterm Deli No.	- 1
Received periodontal treatment	1086	28	2.6	85	7.8
Received prophylactic treatment	8010	260	3.3	609	7.6
Received other dental treatment	2024	94	4.6	190	9.4
No dental treatment of any kind	12321	612	5.0	1241	10.1

*P < .001



Aetna 2017 Study Results Heart Disease/Hypertension & Diabetes



²2017 Statistically valid study of Aetna clients with continuous dental coverage from 2013 through 2015 with and without Dental Care. Client demographics in age, gender, geography, risk score, dental & medical plan design and comorbidities were nearly identical.



Kaiser Permanente Research: Description

Results:

Compared to those who did not receive regular dental care, those who did, were statistically significantly more likely to have:

- Good control of HbA1C levels
- Lower diabetes-specific ED utilization
- Lower diabetes-specific hospital admissions

Population Characteristics:

Population Characteristics	Dental (N=493)	Non-Dental (N=493)	P-value
Age (Mean)	61.4	61.3	0.94
White (%)	86.0	88.0	0.53
Diabetes Control (%)	54.8	43.2	<0.001
Perio Risk (Elevated) (%)	20.7	25.8	0.06
1+ ED visit in 2007 (%)	10.1	16.2	0.005
1+ Hospital admission in 2007 (%)	8.3	14.8	0.001



Kaiser Permanente Research: Results

Regular dental care is associated with lower utilization of healthcare

After adjusting for other factors, regular receipt of dental care across a three-year period was independently associated with:

- 39% (statistically significant) decrease in odds of diabetes-specific ED utilization.
- 39% (statistically significant) decrease in odds of diabetes-specific hospital admissions.
- 29% increase in odds of HbA1C control.

Kaiser Permanente Research

Periodontal interventions associated with healthcare cost savings

Diabetic population receiving dental care have lower costs per member per month (PMPM) than those NOT receiving dental care; after adjusting for patient characteristics.

Overall costs:

 Diabetic population receiving dental care had \$129 PMPM lower costs overall than those NOT receiving dental care

Inpatient costs:

 Diabetic population receiving dental care had \$101 PMPM lower inpatient costs than those NOT receiving dental care

ED-Urgent care costs

 Diabetic population receiving dental care had \$13 PMPM lower ED/ urgent costs than those NOT receiving dental care

Medical + Dental BETTER TOGETHER





Impact of Medicaid Preventive Dental on Medical Costs

	Total	Mean Medic			
2000000	Population (in millions)	With Preventive Dental Care	Without Preventive Dental Care	Expenditure as % of expenditure of pa without preventive de care	
Total Population	15.481 [15,483]	\$474 (\$52)	\$569 (\$38)	71111	
Diagnosis ever provided by physician:	***************************************		8 983-3		
Coronary heart disease	3.381 [389]	\$904* (\$157)	\$2,714 (\$432)	67% lower	
Diabetes	11.187 [1,277]	\$1,554* (\$287)	\$2,422 (\$279)	36% lower	
High blood pressure	43.378 [4,344]	\$830* (\$128)	\$1,197 (\$107)	31% lower	

Used and	2.638	\$1,639*	\$2,544	200/ 1	
Heart attack	[286]	(\$151)	(\$244)	36% lower	
Stroke	2.860	\$1,401*	\$2,940	52% lower	
Stroke	[307]	(\$533)	(\$357)	32% IOWEI	
Angina	1.847	\$1,625*	\$2,975	45% lower	
Arigina	[184]	(\$25)	(\$360)	45% IOWEI	
Other heart disease	12.136	\$843*	\$1,524	45% lower	
Other neart disease	[1,035]	(\$218)	(\$192)	45% IOWEI	
Cancer	10.396	\$515*	\$1,549	67% lower	
Caricer	[822]	(\$84)	(\$220)	6/70 lOWER	
High cholesterol	41.502	\$649*	\$1,136	420/ 1	
nign cholesteroi	[3,941]	(\$96)	(\$106)	43% lower	
Asthma	14.274	\$967*	\$1,537	37% lower	
Asulina	[1,361]	(\$150)	(\$218)	3/76 IOWEI	

Source: Based on a sample of 15,483 non-Medicare adults between the ages of 25 and 64 from the 2014 Medical Expenditure Panel Survey (MEPS). The unweighted sample sizes in total and by health condition appear in brackets "[]" beneath the corresponding weighted population totals in the first column.

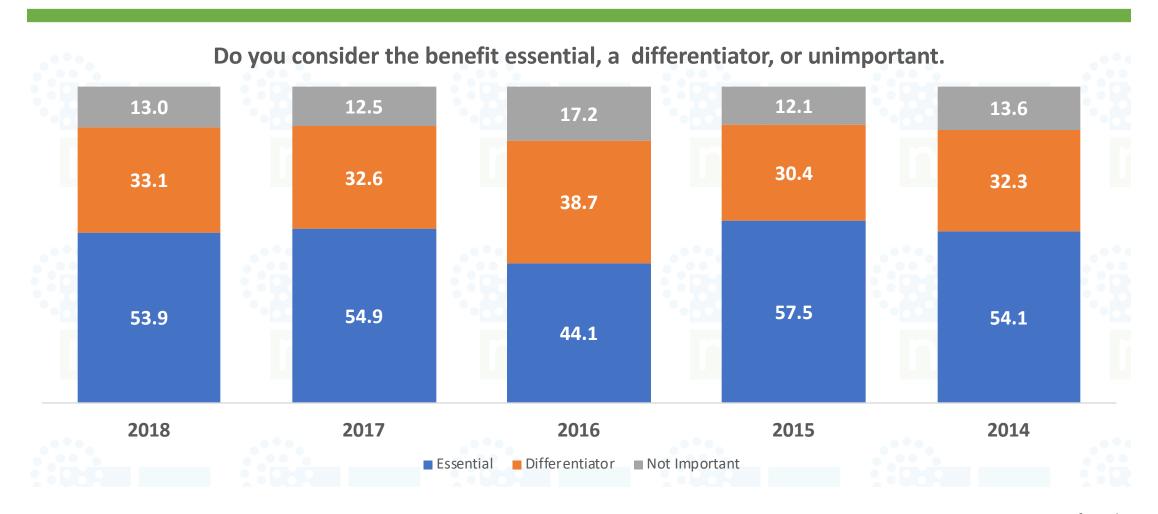
Note: Preventive dental care indicates having at least one dental visit during the year in which there was a cleaning or examination or fluoride treatment or sealant. *Asterisk indicates a statistically significant difference. Conditions for which there was a statistically significant difference are highlighted in yellow.

Estimated standard errors of the means appear in parentheses "()" and are adjusted for the complex sample design of the MEPS.

SOURCE: NADP Commissioned <u>Study</u> by the University of Maryland of MEPS data, Released Nov. 2017.

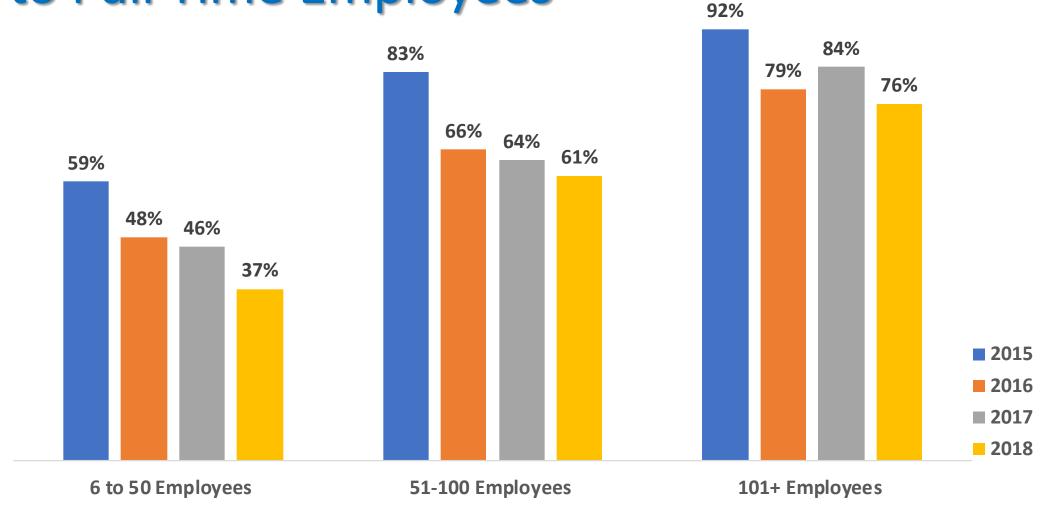


Employer Attitudes about Dental Benefits





Employers Offering Dental Benefits to Full Time Employees



Source: NADP Surveys of Employers



Dental Growth in Public Programs



Key Dental Growth Segments Medicaid

Eligibility

- Historically, provided coverage to certain categories of people (e.g., low-income children, pregnant women, poor elderly)
- ACA expanded eligibility to include low-income adults

Enrollment

- About 73 million individuals
 covered as of Oct 2018 (not all
 have access to dental services and level
 of services available vary by state)
- 16.3 million (22%) of those were newly receiving coverage since October 2013

Funding

- Jointly funded by the federal government and states
- States receive a percentage of matching federal funds from the federal government



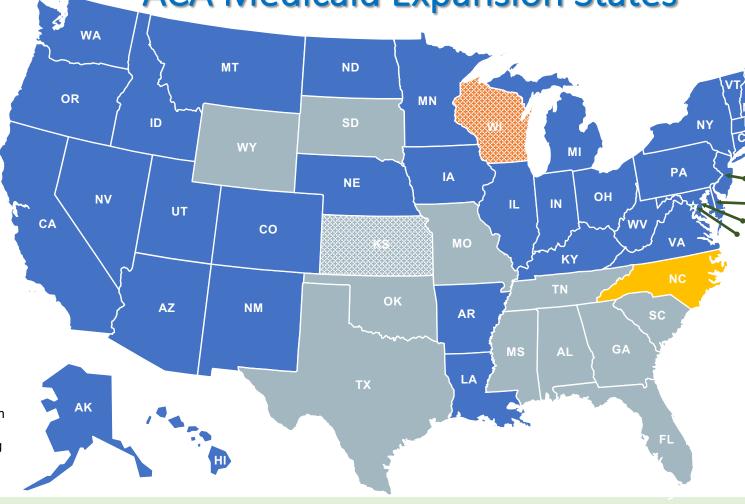


ACA Medicaid Expansion States

ACA: Affordable Care Act

Original SOURCE: Avalere State Reform 360; updated by NADP Jan 2019 (see notes at right)

NOTE: Eligibility adjustment states do not count as expansion states and do not receive the enhanced ACA federal matching rate.



Path to More Expansion

D.C.

- 1. Maine passed a referendum to expand Medicaid on November 7, 2017 but the state has not yet implemented expansion. New Gov. elected Nov 2018 will implement.
- 2. VA passed expansion in May 2018 with 2019 implementation
- 3. Idaho, Nebraska and Utah passed 11/18 ballot initiatives to expand.
- Election of Democratic Governors in Nov 2018 improves chances of expansion in Kansas and Wisconsin

Expanded Eligibility (36 + DC; more activity expected in 2019)

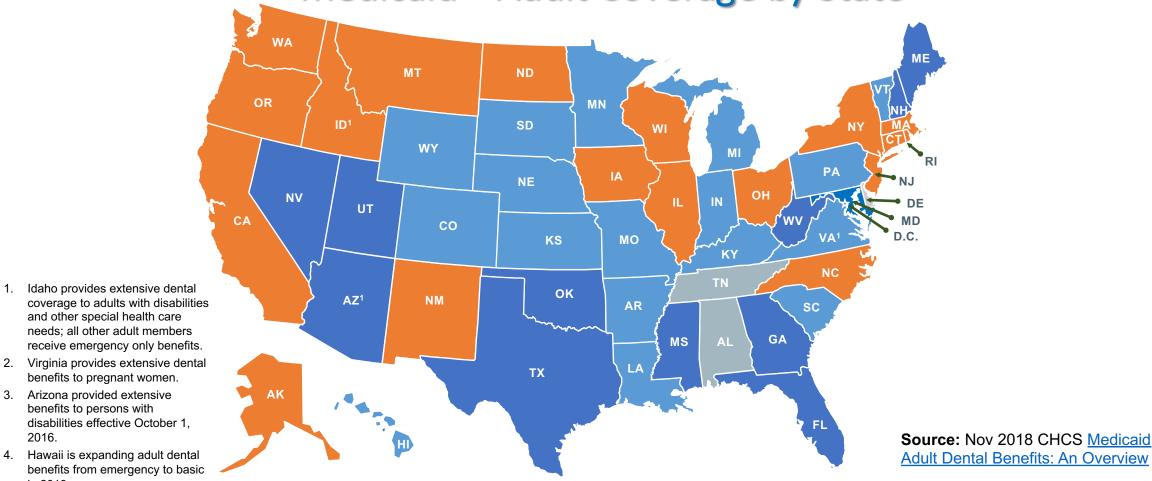
Eligibility Adjustment (UT moved from this category after 2018 election. WI remains)

Movement Toward Expansion (expected in Gov budget in March)

Not Expanding (14 could be reduced in 2019)



Key Dental Growth Segment Medicaid—Adult Coverage by State



4. Hawaii is expanding adult dental benefits from emergency to basic in 2019.

and other special health care

benefits to pregnant women. 3. Arizona provided extensive benefits to persons with

2016.

Extensive (18 + DC) Limited (17) None (3) Emergency (12)



Key Dental Growth Segments Medicaid

Categories of Medicaid Adult Dental Benefits

Extensive

A more comprehensive mix of services, including many diagnostic, preventive, and minor and major restorative procedures. It includes benefits that have a per-person annual expenditure cap of at least \$1,000. It includes benefits that cover at least 100 procedures out of the approximately 600 recognized procedures per the ADA's Code on Dental Procedures and Nomenclature

Limited

A limited mix of services, including some diagnostic, preventive, and minor restorative procedures. It includes benefits that have a perperson annual expenditure cap of \$1,000 or less. It includes benefits that cover less than 100 procedures out of the approximately 600 recognized procedures per the ADA's Code on Dental Procedures and Nomenclature

Emergency

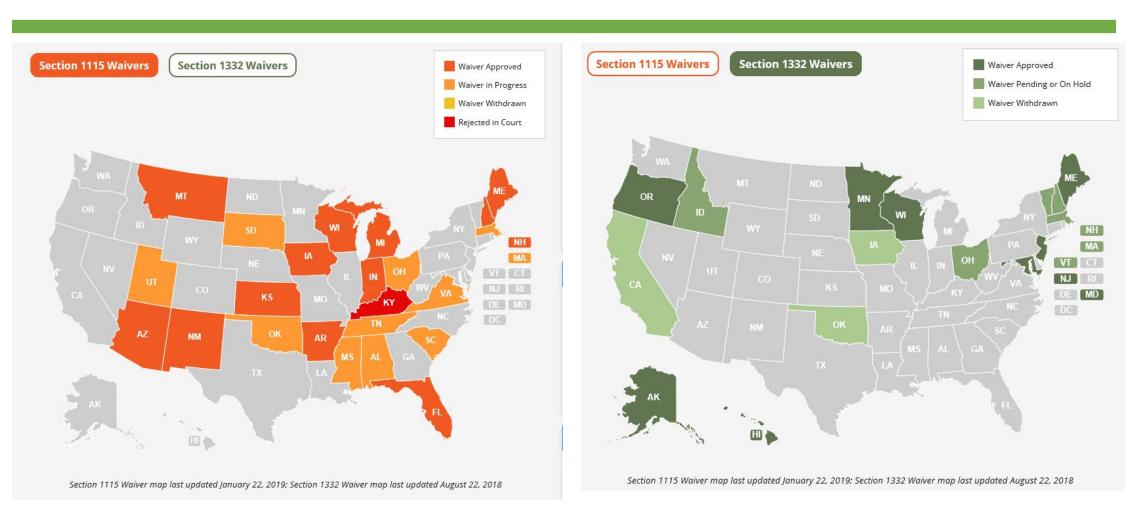
Relief of pain and infection. While many services might be available, care may only be delivered under defined emergency situations

None

No Dental Benefit

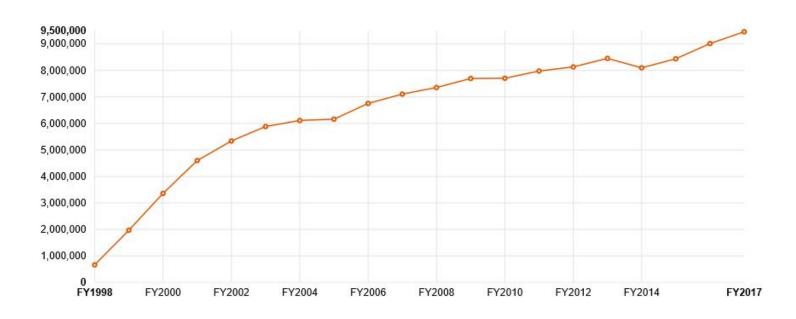


Challenges to Medicaid Expansion



Contribution to Dental Growth-- CHIP nace Plans





CHIP Enrollment United States

Accessed on KFF on 1/22/2019

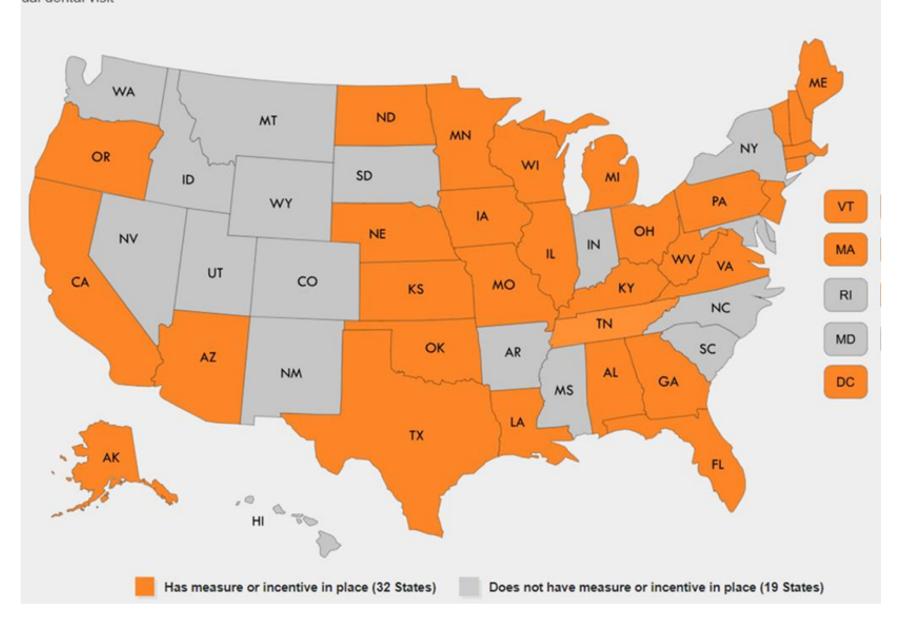
	FY2013	FY2014	FY2015	FY2016	FY2017
Location	CHIP Enrollment \$				
United States	8,454,327	8,099,448	8,439,933	9,013,687	9,460,160
	<				>

NOTES



CHIP improvement projects, performance measures, or incentives for primary care provider dental home referral, caries risk assessmula dental visit





National Academy of State
Health Policy, January 2019
Publication of State
Strategies for Promoting
Children's Preventive
Services.

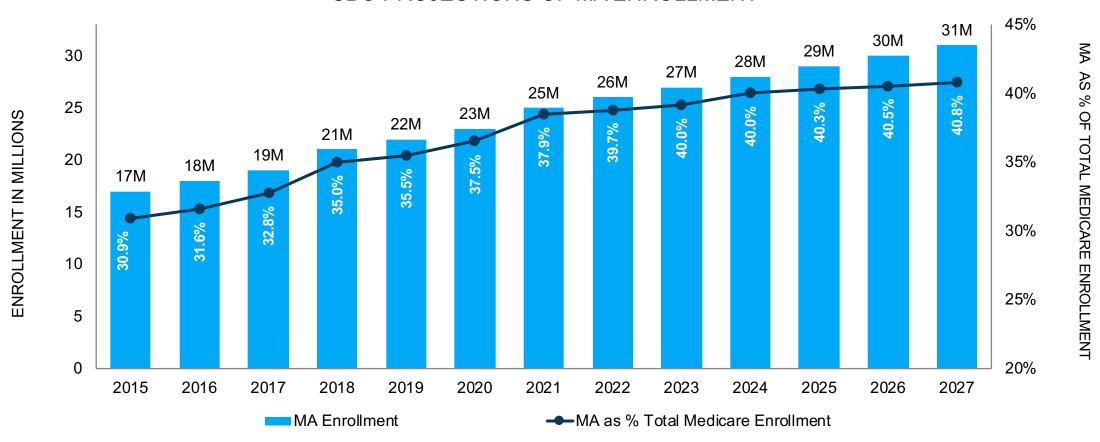
Maps and charts illustrate state-specific Medicaid or CHIP performance improvement initiatives that promote children's preventive services, including those recommended by the American Academy of Pediatrics' Bright Futures guidelines.



Key Dental Growth Segment

Medicare Advantage

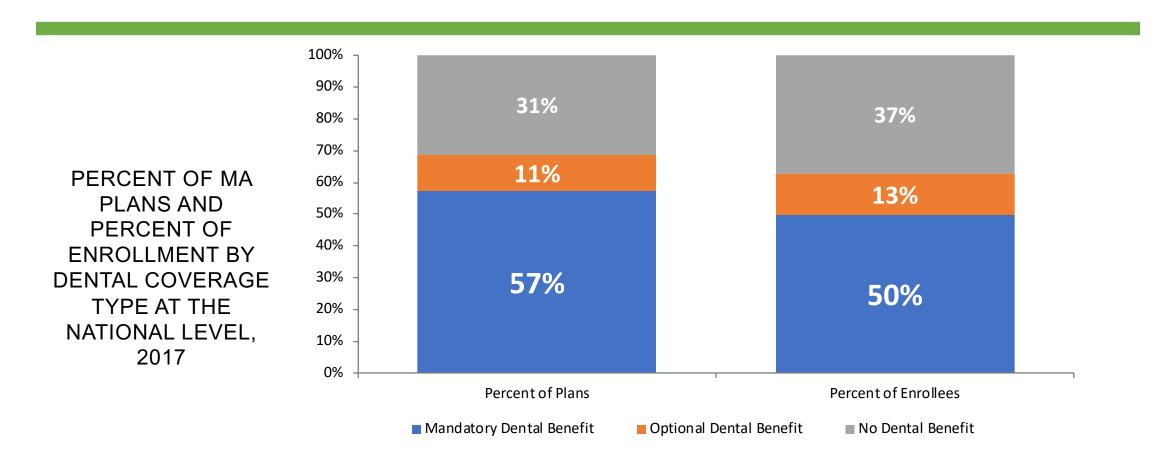
CBO PROJECTIONS OF MA ENROLLMENT



Source: Medicare Baseline Estimates. Congressional Budget Office. January 2017. Available here.



Medicare Advantage Dental Offerings

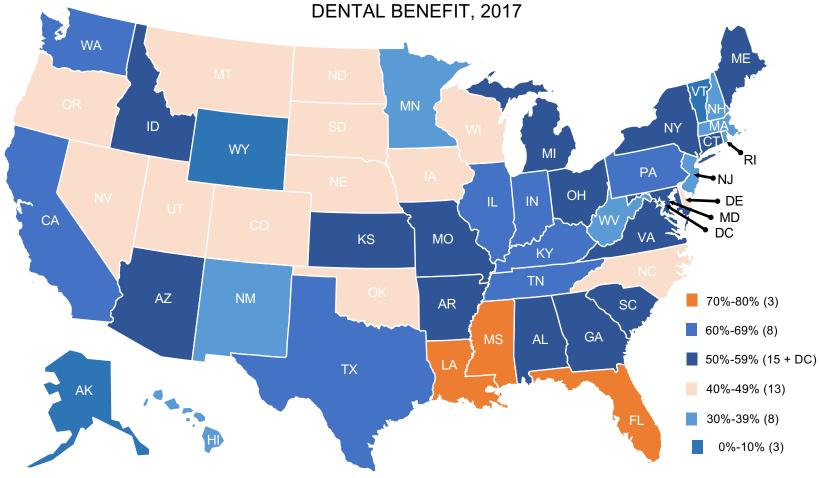


Source: Avalere Health analysis using enrollment data released by the Centers for Medicare & Medicaid Services. The analysis uses enrollment files released in February of each year, from 2015 through 2017, reflecting enrollment effective in January of each respective year. *Includes HMO, local PPO, regional PPO, and PFFS plans





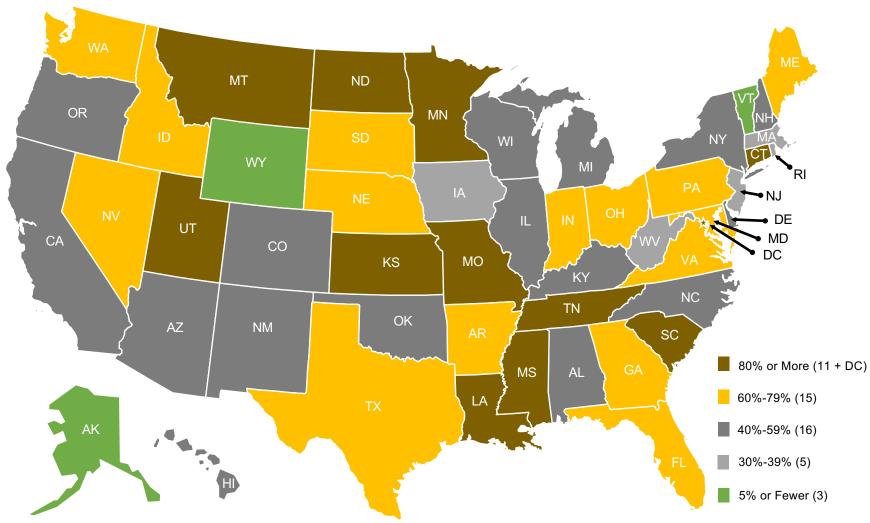
PERCENT OF MA PLANS OFFERING MANDATORY OR OPTIONAL





MA Dental Enrollment

PERCENT OF ENROLLEES IN AN MA PLAN WITH MANDATORY OR OPTIONAL DENTAL COVERAGE, 2017





Dental Services Vary by MA Plan

PERCENTAGE OF MA BENEFICIARIES WITH COVERED DENTAL SERVICES, 2015

Service Type	Total MA Beneficiaries Covered	Beneficiaries Covered with \$0 Premium		
Dental X-Ray	58.1%	48.6%		
Oral Exam	57.8%	48.1%		
Prophylaxis/Cleaning	54.5%	45.6%		
Fluoride Treatment	15.2%	20.1%		
Prosthodontics/Maxillofacial Surgery	42.8%	35.7%		
Non-Routine Services	19.5%	21.7%		
Diagnostic Services	20.7%	19.5%		
Restorative Services	31.1%	26.6%		
Endodontics/Periodontics/Extractions	29.4%	24.8%		

SOURCE: Pope, Christopher. "Supplemental Benefits Under Medicare Advantage." Health Affairs. January 21, 2016. Available here.



Dental Cost Sharing Varies by MA Plan

COST SHARING REQUIREMENTS FOR DENTAL SERVICES IN MA PLANS, 2017

Service Type	Percent of Plans with 0% Coinsurance	Range of Average Coinsurance*	Percent of Plans with \$0 Copay	Range of Average Copay**
Preventive Services (i.e., X-Rays, Oral Exams, Cleaning)	76%	40%-45%	70%-75%	Under \$30
Diagnostic Services	3%	42%	8%	\$16-\$26
Prosthodontics/ Maxillofacial Surgery	0%	60%	16%	\$21-\$876
Restorative Services	0%	39%-53%	23%	\$25-\$340
Endodontics/Periodontics/ Extractions	0%	41%-51%	18%	\$21-\$317

^{*} Excluding plans with 0% coinsurance ** Excluding plans with \$0 copay

SOURCE: Avalere Health analysis using enrollment data released by the Centers for Medicare & Medicaid Services. February 2017. Includes HMO, local PPO, regional PPO, and PFFS plans.



Expansion of Dental in Medicare **Medicare Part B**

Community Statement on Medicare Coverage for Medically Necessary Oral and Dental Health Therapies The undersigned organizations are proud to join in support of Medicare coverage for

medically-necessary oral/dental health therapies.

To: Pacific Dental Services Foundation.

From: Avalere Health Date: January 4, 2016

Re: Evaluation of Cost Savings Associated with Periodontal Disease Treatment Benefit

Summary

Pacific Dental Services Foundation asked Avalere Health to estimate the cost or savings to the Medicare program of a new benefit covering the initial and ongoing treatment of periodontal disease for beneficiaries with diabetes, coronary artery disease (heart disease), or cerebrovascular disease (stroke). A growing body of academic literature and retrospective medical claims studies support a link between oral health, periodontal disease treatment. reduced medical costs, and improved wellbeing, especially for individuals with one of the three chronic conditions included in this evaluation.

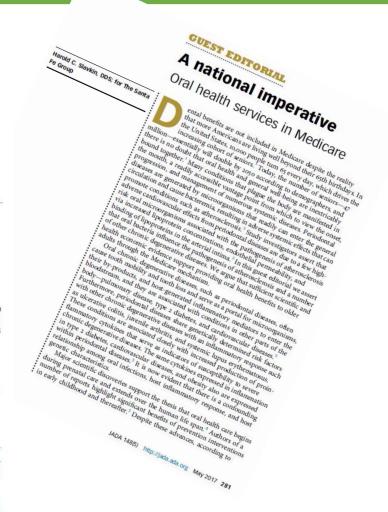
We drew from these and other data sources to construct an estimate of Medicare fee-for-service spending for individuals with periodontal disease and chronic conditions. Our estimate assumes that Medicare will begin paying for periodontal treatment in 2016 through a new Medicare Part B benefit, but limit coverage to individuals with one of the three conditions noted above.

We estimate providing a periodontal disease treatment benefit will produce a savings of \$63.5 billion over the period 2016 to 2025 and should continue long-term. This savings reflects new costs of approximately \$7.2 billion from covering periodontal treatment for Medicare beneficiaries with one of the three target chronic conditions. This new spending will be offset by estimated \$70.7 billion reduction in Medicare spending, largely related to fewer hospitalizations and emergency room visits.

Table 1: Estimated Impation Medicare Program Spending from Coverage of Periodontal Treatment (\$ billions)

realment (\$	Dillions	,									
	2016	2017	2018	2019	2020	224	2022	2023	2024	2025	2016-2025
Periodontal Benefit	0.5	0.5	0.6	0.5	0.6	0.7	0.8	20	1.0	1.1	7.2
Medical Savings	(1.1)	(2.8)	(4.1)	(5.4)	(6.4)	(7.5)	(8.7)	(10.0)	(11.5)	(1)	(70.7)
Total Impact	(0.5)	(2.3)	(3.5)	(4.8)	(5.7)	(6.8)	(7.9)	(9.2)	(10.6)	(12.2)	(63.5)

\$63.5 billion in savings over 10 years





Challenges and Opportunities in Dental-Medical Integration

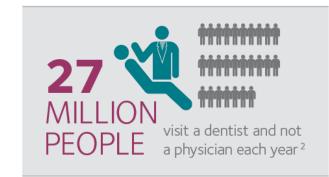
The Dental Value Proposition: Scope of Economic Impact





\$153 BILLION

in lost productivity each year due to chronic disease¹



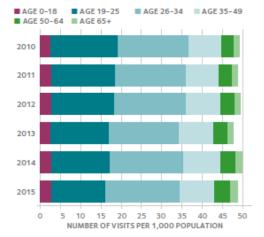


SCREENING FOR CHRONIC DISEASES IN DENTAL OFFICES COULD REDUCE U.S. HEALTH CARE COSTS BY ...

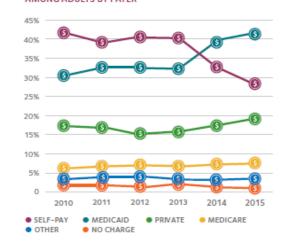




EMERGENCY DEPARTMENT VISITS FOR DENTAL CONDITIONS BY AGE GROUP



EMERGENCY DEPARTMENT VISITS FOR DENTAL CONDITIONS AMONG ADULTS BY PAYER





How often, on average, someone visits a hospital emergency department for dental conditions in the United States. 0000

2.2 MILLION

Number of hospital emergency
department visits for dental
conditions in the United States
in 2015.

70%

Percentage of hospital emergency department visits for dental conditions occurring outside of normal business hours.⁵



\$2 BILLION
Amount spent on hospital

emergency department visits for dental conditions In the United States in 2015.



41%

of hospital emergency department visits for dental conditions among **adults** in the United States are paid for by Medicald.



70%

of hospital emergency department visits for dental conditions among **children** In the United States are paid for by Medicaid.

The Stage for Medical-Dental Integration

Majority of Health Plans offer dental benefits and intend to aggressively focus on ancillary

68%
Health Plans currently offer dental benefits

Of medical plans that currently offer dental products...

50%

Offer standalone dental and administer the plan themselves

Inadp

Offer standalone dental and leverage a partner for plan administration 34%

• • westmonroe

National Association of Dental

What are the three biggest factors that drive embedding of dental insurance into health insurance

62%
Better technology/systems that facilitate a holistic view of covered lives

Government actions
(e.g. changes to
Medicaid/Medicare, mandates)

43%
Convergence of overall health and oral health

When it comes to beliefs on who has the advantage in the dental benefit market...

80%
(38% cite a SIGNIFICANT advantage)

of medical respondents believe that medical insurers have a clear or significant advantage over insurers whose primary line of business is dental DENTAL PLANS AGREE

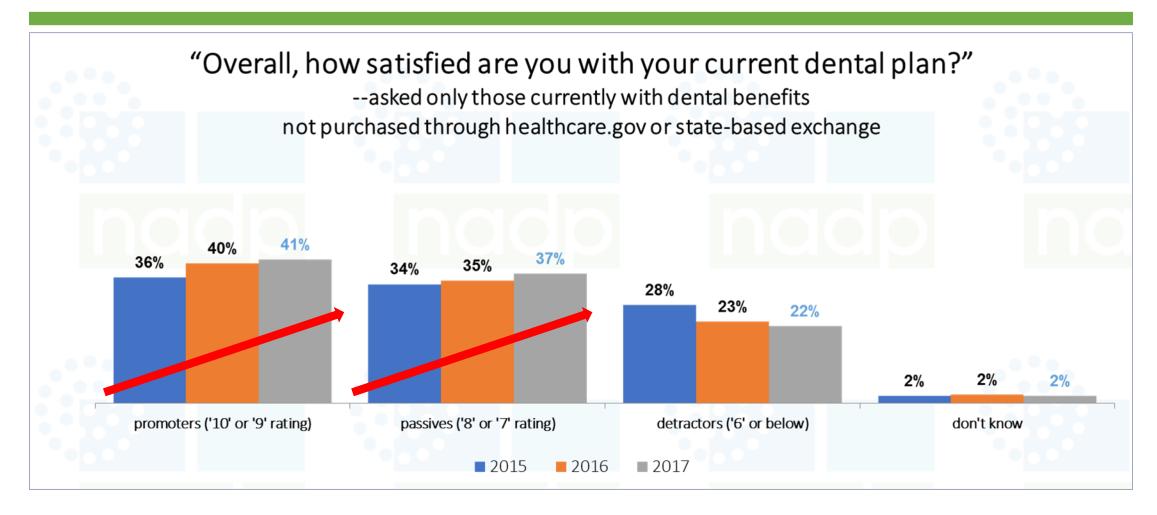
82%

of dental respondents also feel that Health Plans have the advantage

Commercial Dental Benefits Policy Structure

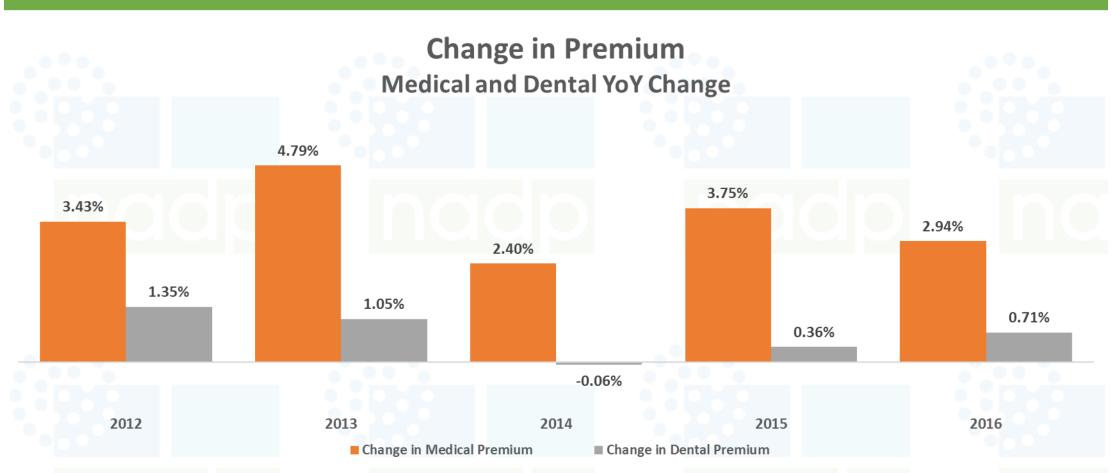








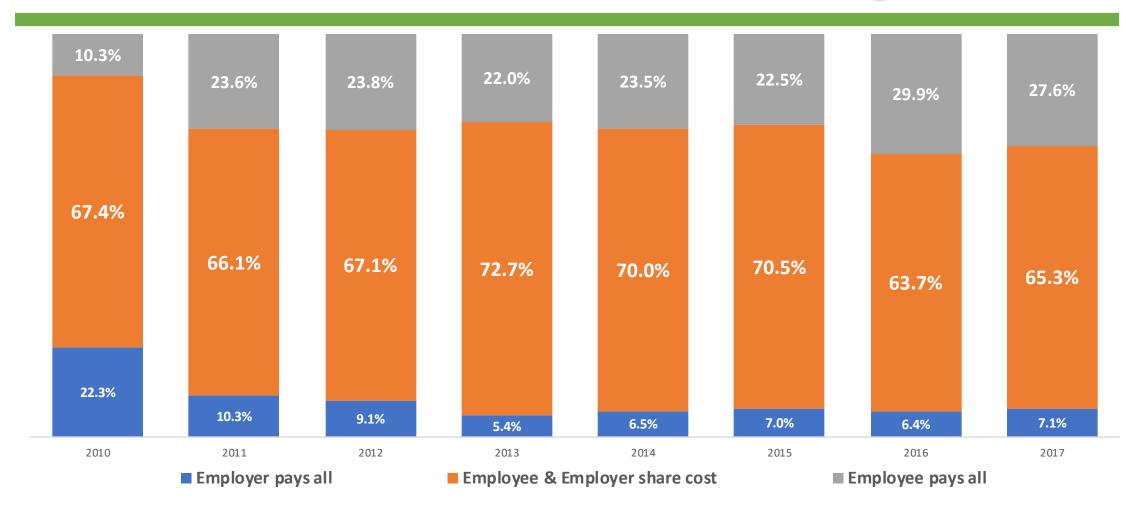
National Premium Trends



Source: NADP 2017 Premium, Benefit Utilization and Benefit Design Trends Report

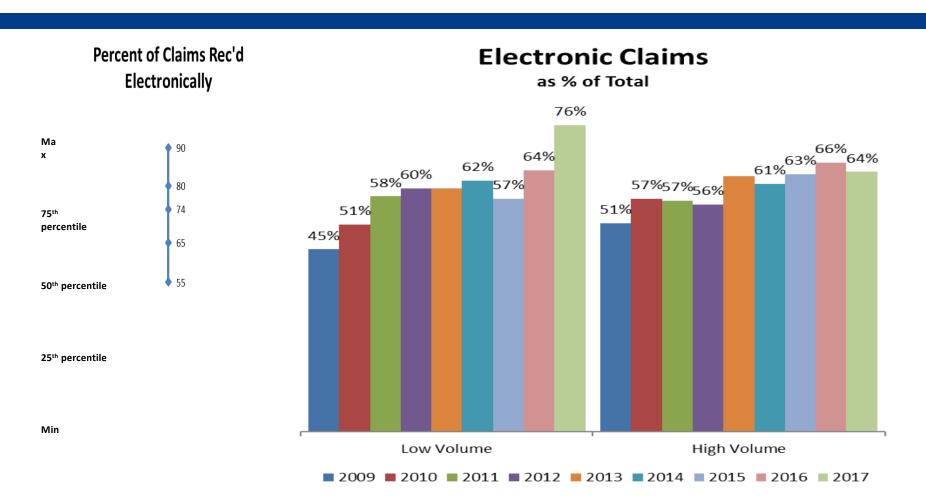


National Dental Premium Funding Trends





Electronic Claims



Compared to last year:

The industry average (weighted, based on volume of claims) for electronic claims received increased from 66% to 70%.

Low volume companies use of electronic claims increased from 64% to 76% of all claims.

NOTE: Data in this chart represents a weighted average based on the total number of claims reported. Not all respondents reported a total number of claims, so this chart represents a subset of the total number of respondents.



Improving Oral Health Through Measurement



Excess administrative costs due to measurement and a range of other activities are estimated at \$190 billion per year, and continually expanding measurement activities and requirements could cause this figure to increase (IOM, 2012). All told, the development and validation of measures; the collection, analysis, and maintenance of measurement data; and the reporting of measures have grown increasingly burdensome, with significant financial impact.

IOM Vital Signs 2015

DQA Administrative Claims Based Program and Plan Level Pediatric Measures



Improving Oral Health Through Measurement

	Measure Name				
	Utilization of Services				
	Preventive Services for Children at Elevated Caries Risk				
Evaluating Access and Utilization	Treatment Services				
	Caries Risk Documentation				
	Oral Evaluation				
	Topical Fluoride for Children at Elevated Caries Risk				
	Sealants for 6–9 Year-Old Children at Elevated Caries Risk				
	Sealants for 10–14 Year-Old Children at Elevated Caries Risk				
Evaluating Quality of Care	Care Continuity				
	Usual Source of Services				
	Ambulatory Care Sensitive Emergency Department Visits for Dental Caries in Children				
	Follow-Up after Emergency Department Visit by Children for Dental Caries				
Evaluating Cost and Efficiency	Per Member Per Month Cost of Clinical Services				

DQA Administrative Claims Based Program and Plan Level Adult Measures



Improving Oral Health Through Measurement

	Measure Name
Evaluating Access and Utilization	Periodontal Evaluation in Adults with Periodontitis
Evaluating Quality of Care	Ongoing Care in Adults with Periodontitis
	Topical Fluoride for Adults at Elevated Caries Risk
	Oral Evaluation- Diabetics*
	ED visits by Adults for Non Traumatic Dental Conditions*
	Follow up after an ED visit by an Adult for Non Traumatic Dental Conditions*

^{*}Currently under Testing

Use of DQA Measures

CMS CHIPRA Core Set (Public Reporting, QI)

Covered California – Health Benefit Exchange, Plan Contracts (QI)

MSDA: State Medicaid/CHIP Agencies Reporting Use

Michigan Healthy Kids Dental, Dental Plan RFP/Contract (QI)

Florida Medicaid, Dental Plan RFP/Contract (Public Reporting, QI)

Texas Medicaid and CHIP, Plan Contracts (Payment Program, Public Reporting, QI)

Massachusetts Delivery System Reform Incentive Payment, (Payment Program, Public Reporting, QI)

Oregon Health Authority (Payment Program, Public reporting, QI)



Improving Oral Health Through Measurement



The Original EZCodes

- 1158 terms (1121 unique)
- 80 sub categories
- 13 major categories

EZCodes 2011

- 1321 terms (1250 unique)
- 84 sub categories
- 14 major categories

EZCodes 2012

- 1358 terms (1284 unique)
- 90 sub categories
- 15 major categories

EZCodes 2013

- 1355 terms (1291)
- 89 sub categories
- 15 major categories

EZCodes 2014

- 1735 terms (1529 unique)
- 106 sub categories
- 17 major categories

Ongoing Revision

SNODDS 2017

1729 terms (1477 unique)



SNODDS 2016

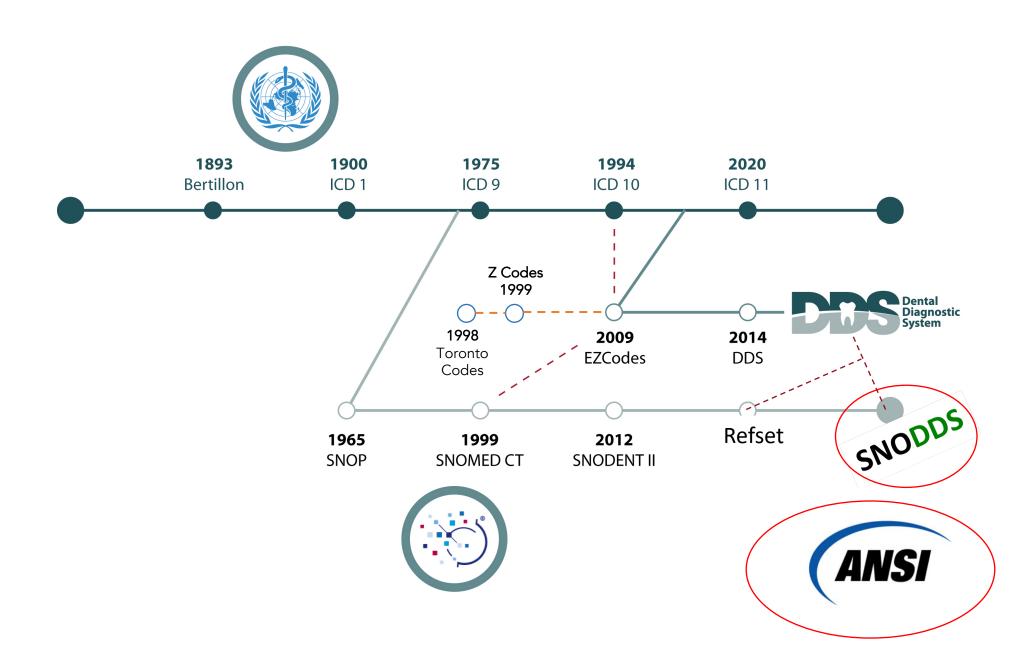


- 1789 terms (1578 unique)
- 89 sub categories
- 17 major categories





- 1714 terms (1518 unique)
- 106 sub categories
- 17 major categories

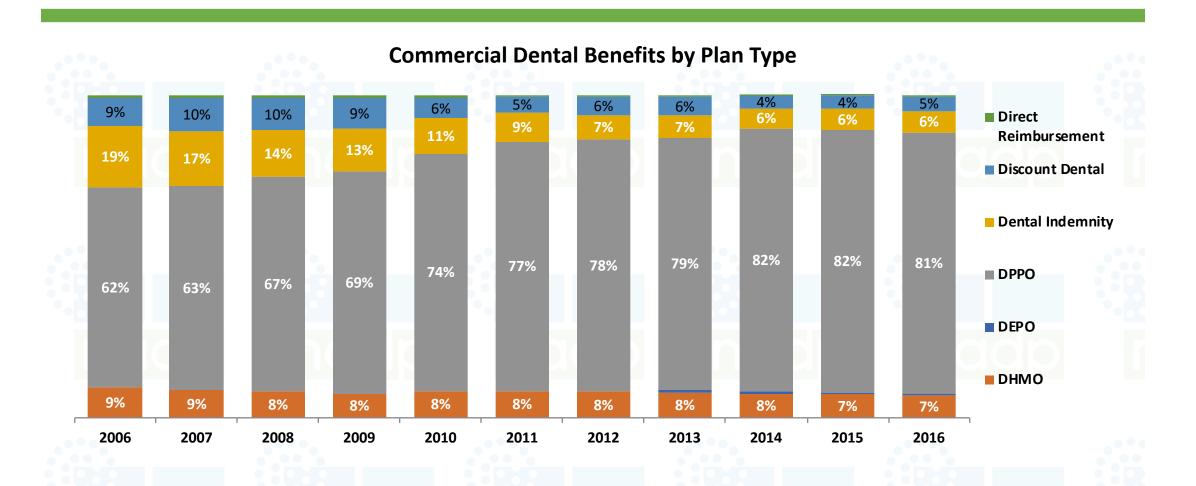


SNODDS to ICD to Dental Claim Form (paper or electronic works the same way)

27. Tooth Number(s) or Letter(s)	28. Tooth Surface	29. Procedure Code	29a. Diag. Pointer	29b. Qty.	30. Description
		D0150		01	COMPREHENSIVE ORAL EVALUATION
		D0274			BITEWING - 4 FILMS
32		D0230		01	INTRAORAL-PERIAPICAL ADDL FIL
		D1110	В	01	PROPHY - ADULT
32		D7140	С	01	SIMPLE TOOTH EXTRACTION
30	0	D2391	A	01	COMPOSITE 1 SURF - POSTERIOR
19	0	D2391	A	01	COMPOSITE 1 SURF - POSTERIOR
8	ML	D2331	A	01	COMPOSITE 2 SURF ANT.
		D1206		01	TOPICAL FLUORIDE VARNISH (FGP
each missing tooth.)	34.	34. Diagnosis Code List Qualifier		В	(ICD-9 = B; ICD-10 = AB) 31a. Other
10 11 12 13 14 15	5 167 848	84a. Diagnosis Code(s)			21.02 c_523.41 Fee(s)
23 22 21 20 19 18	8 17 (Pr	(Primary diagnosis in "A")			23.00 D 32. Total Fee



National Dental Enrollment

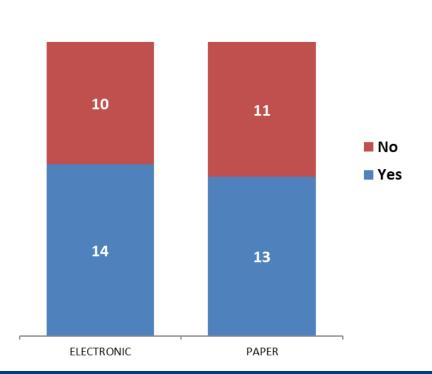






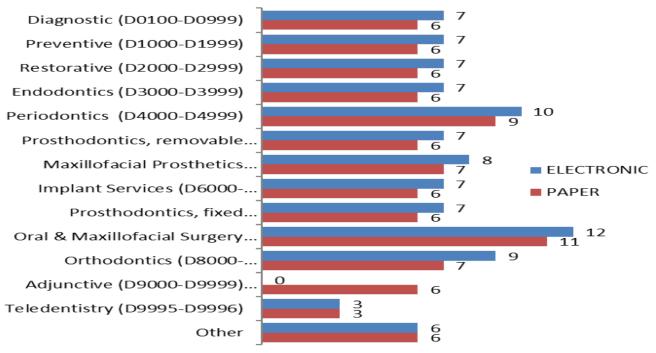
Diagnostic Codes on Claims

Are you receiving submissions of diagnostic codes on dental claims?



Which of the following categories of claims have included diagnosis codes?



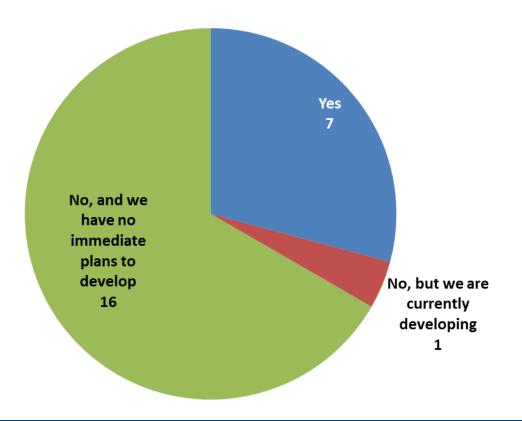






Diagnostic Codes and Risk Based Benefits

Do you have plans with risk-based benefits?



Are you currently utilizing diagnostic codes you receive for the adjudication of dental claims?

Of the 7 plans that have plans with risk-based benefits all of them are currently utilizing diagnostic codes for the adjudication of dental claims.



Medicare Advantage FDR Basics

First Tier

Any party that enters into a written agreement, acceptable to CMS, with a Medicare Advantage
Organization (MAO) or Part D sponsor or applicant to provide administrative or health care services to a Medicare eligible individual under the Medicare Advantage (MA) or Part D program.

Downstream

Any party that enters into an acceptable written arrangement below the level of the arrangement between an MAO or Part D sponsor and a first tier entity. These written arrangements continue down to the level of the ultimate provider of both health and administrative services.

Related Entity

Any entity that is related to an MAO or Part D sponsor by common ownership or control and: performs some of the MAO or Part D sponsor's management functions under contract or delegation; furnishes services to Medicare enrollees under an oral or written agreement; or leases real property or sells materials to MAO or Part D plan sponsor at a cost of more than \$2,500 during a contract period.

Common FDR Examples

Pharmacies • Pharmacy Benefit Managers (PBMs) • **Dental** • Behavioral Health • Vision • Network Providers • Provider Credentialing Services • Claims Processing Entities • Fulfillment Vendors • Sales and Marketing Agents



What FDRs are now required to do

- 1. Exercise oversight of MAO's compliance efforts
- 2. Maintain an effective compliance program that meets all of the compliance program requirements
- Investigate, correct and document all instances of suspected noncompliance
- 4. Have systems in place to train employees on job functions and general compliance (Standard of Conduct, FWA, privacy)
- 5. Have a formal delegation oversight function (e.g., vendor management program), if functions are delegated to the FDR

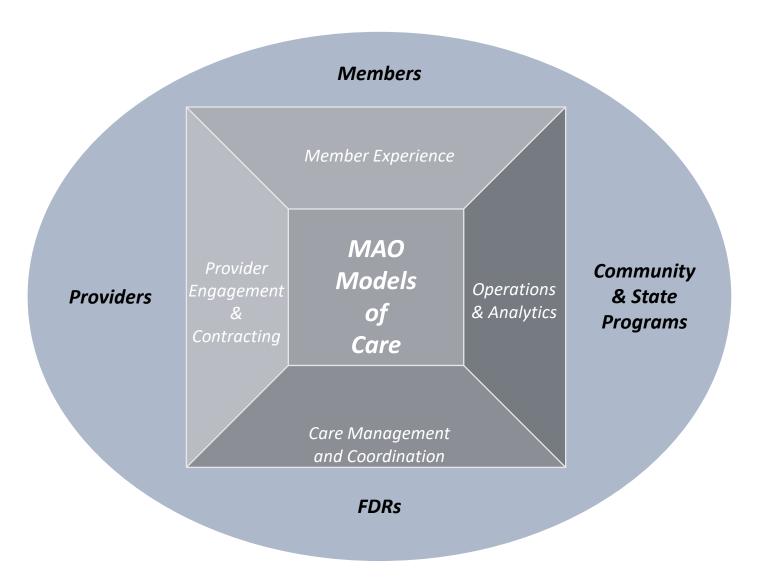
What Dental FDRs are not required to do

Value-based Payments are voluntary / focused on medical

- End-Stage Renal Disease Quality Incentive Program (ESRD QIP)
- Hospital Value-Based Purchasing (HVBP) Program
- Hospital Readmission Reduction (HRR) Program
- Value Modifier (VM) Program (also called the Physician Value-Based Modifier or PVBM)
- Hospital Acquired Conditions (HAC) Reduction Program
- Skilled Nursing Facility Value-Based Program (SNFVBP)
- Home Health Value Based Program (HHVBP)







As care delivery evolves through more effective Models of Care, MAOs will continue to work with and expect delivery partners to participate in building stronger and more effective programs for their members, included payment models.

FDRs, like dental plans should move ahead in exploring how these systems can work in their care systems.



CONTACT INFORMATION:

Evelyn F. Ireland, CAE NADP Executive Director

eireland@nadp.org

972-458-6998 x101

www.nadp.org