

Open Data Portal Walkthrough for Medi-Cal Dental Data

Department of Health Care Services Medi-Cal Dental Services Division Yuwei Weinberg July 27, 2018



Open Data Portal

Option 1: open link https://data.chhs.ca.gov and search "dental" Option 2: open link https://data.chhs.ca.gov/dataset?q=dental













Services







Conditions

Healthcare Demographics Diseases and Facilities and Environment

Resources



CHHS Departments on the Open Data Portal



California Department of Aging

5 Datasets



California Department of **Child Support Services**

4 Datasets



Department of **Developmental Services**

8 Datasets



Department of Health Care Services

64 Datasets



Planning and Development

Office of Statewide Health Planning & Development

83 Datasets



California Department of **Public Health**

71 Datasets



California Department of Social Services

9 Datasets



Department of Managed **Health Care**

4 Datasets



Department of Rehabilitation

13 Datasets



Office of the Patient Advocate 0 Datasets



California Health and Human Services Agency

7 Datasets



Department of Community Services & Development

2 Datasets



Department of State Hospitals

3 Datasets



Emergency Medical Services Authority

3 Datasets



Dental Performance Measures

- Measures Years: Calendar Year (CY) 2013 2016
- Stratifications
 - By age
 - By age and county
 - By age and race/ethnicity
 - By age, county and race/ethnicity

Dental Performance Measures

One-Year Measures	Multi-Year Measures
Annual Dental Visit	Continuity of Care
Dental Treatment	Usual Source of Care
Treatment for caries or Caries-preventive procedure	Utilization 1yr dental service
Dental Exams	Utilization 2yr dental service
Preventive Dental Services	Utilization 3yr dental service
Restorative Dental Treatment	
Use of Sealant (Age 6-9 and 10-14)	

Eligible Beneficiary Criteria

- Beneficiaries who were enrolled in Fee-for-Service (FFS) or the same
 Dental Managed Care (DMC) plan for at least three continuous months during a measure period (3 mo. cont. elig.)
- Full scope benefits

No share of cost



Dental FFS Provider Profile

Data Elements

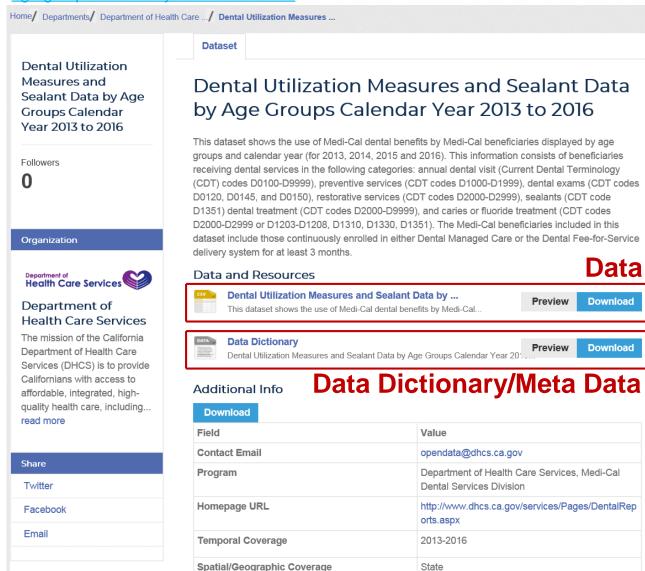
- Provider Number
- Office Location Number
- NPI Number
- Provider Legal Name
- Enrollment Status Effective Date
- Provider Type Code
- Provider Type Code Desc
- Specialty Code
- Specialty Code Desc
- Out Of State Ind
- Out Of State Desc
- County Code
- County Code Desc
- Address Line 1
- Address Line 2
- Address Line 3
- Address City
- Address State
- Address Zip

7/23/2018 5



Navigating a Data Set

https://data.chhs.ca.gov/dataset/test-dhcs-dental-utilization-measures-and-sealant-data-by-age-groups-calendar-year-2013-to-2015





Using a Data Set

Download comma-separated values (CSV) file

Dental Utilization Measures and Sealant Data



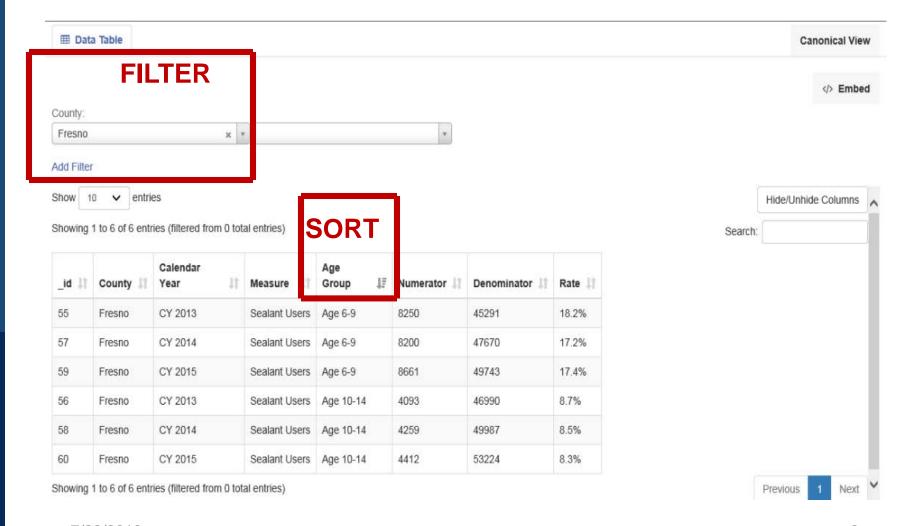
by Age Groups C Application programming interface (API)

This dataset shows the use of Medi-Cal dental benefits by Medi-Cal beneficiaries displayed by age groups and calendar year (for 2013, 2014, 2015 and 2016). This information consists of beneficiaries receiving dental services in the following categories: annual dental visit (Current Dental Terminology (CDT) codes D0100-D9999), preventive services (CDT codes D1000-D1999), dental exams (CDT codes D0120, D0145, and D0150), restorative services (CDT codes D2000-D2999), sealants (CDT code D1351) dental treatment (CDT codes D2000-D9999), and caries or fluoride treatment (CDT codes D2000-D2999 or D1203-D1208, D1310, D1330, D1351). The Medi-Cal beneficiaries included in this dataset include those continuously enrolled in either Dental Managed Care or the Dental Fee-for-Service delivery system for at least 3 months.

⊞ Data	a Table							
Add Filter	D	ata p	revie	ew				Em
Show 1	0 v entries	;					Hi	de/Unhide Colu
Showing	1 to 10 of 336 er	ntries (filtered fr	om 0 total e	ntries)			Search:	
_id ‡	Calendar Vear	Measure I1	Age Filter It	Users It	Users Annotation code	Users Annotation Description	Denominator (3 Months Continuous Eligibility)	Denominato Annotation code
1	Year 11 CY 2013	Annual	Age <1	3922	code #1	Description 4	251033	code
	CY 2013	Dental Visit	, igo				201000	
2		(D0100 - D9999)						
3	CY 2013	Annual Dental Visit	Age 1-2	127182			577485	
4		(D0100 - D9999)						
5	CY 2013	Annual	Age 3-5	463983			865127	



Data Preview Filter and Sort





Data Dictionary/Meta Data

Data Dictionary

Dataset Name:

Dental Utilization Measures and Sealant by Age Calendar Year 2013 to

2016

Chart/Visualization

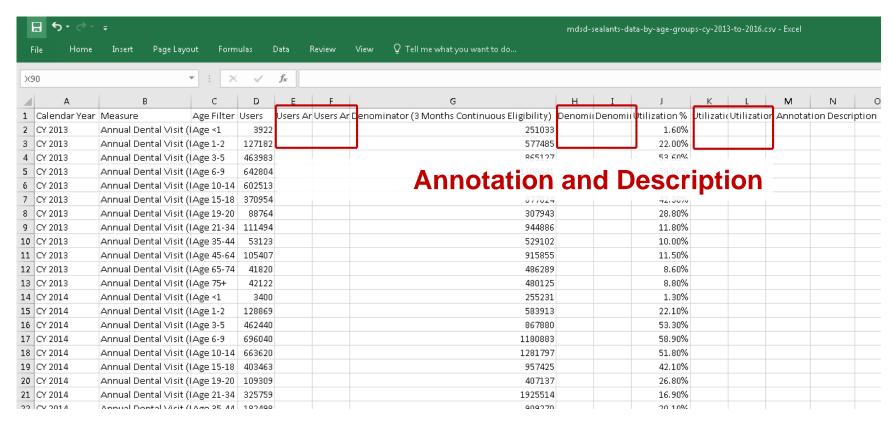
1. Click here to enter text.

Name/s:

Field Title	Field Name	Data type	Description
Calendar Year	Calendar Year	Text	Calendar Year (CY) of the data: CY 2013, 2014, 2015 and 2016
Age Filter	Age Group	Text	Age Group for Measures: Age <1, Age 1-2, Age 3-5, Age 6-9, Age 10- 14, Age 15-18, Age 19-20, Age 21- 34, Age 35-44, Age 45-64, Age 65- 74, Age 75+
Users	Users	Numeric	Number of users for Measures
Users Annotation code	Users Annotation code	Text	Annotation code
Users Annotation Description	Users Annotation Description	Text	Annotation Description
Denominator (3 Months Continuous Eligibility)	Denominator (3 Months Continuous Eligibility)	Numeric	Elig 3+ months: Number of Full- Scope beneficiaries with no Share of Cost (SOC) with at least 3 months of continuous eligibility in the same plan. This is the denominator for all measures listed above.

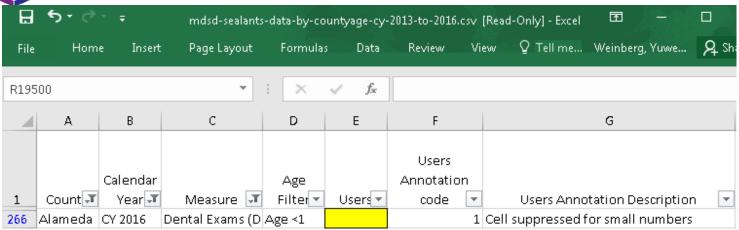


Open a dataset in Excel





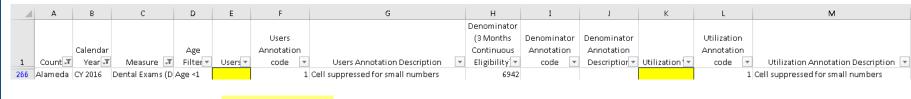
Annotation – Small Numbers



- Alameda CY 2016 Age <1 Users of Dental Exams is less than 11
 - Users Annotation code = "1"
 - Users Annotation Description: Cell suppressed for small numbers
 - DHCS Data De-identification Guidelines (DDG)
 http://www.dhcs.ca.gov/dataandstats/Documents/DHCS
 -DDG-V2.0-120116.pdf



Annotation – Small Numbers



Users

Denominator(3 mo.cont.elig.)

Utilization

- 3 mo. cont. elig.: Beneficiaries who were enrolled in FFS or the same DMC plan for at least 3 continuous months (90 days) during a measure year.
- Alameda CY 2016 Age <1 Users of Dental Exams is less than 11
 - Utilization Annotation code = "1"
 - Utilization Annotation Description: Cell suppressed for small numbers



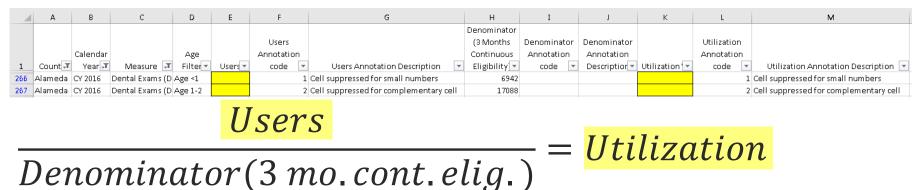
Annotation – Complementary Cell

	Α	В	С	D	Е	F	G
						Users	
		Calendar		Age		Annotation	
1	Count	Year 🕶	Measure 🕶	Filter▼	Users▼	code 💌	Users Annotation Description 🔻
266	Alameda	CY 2016	Dental Exams (D	Age <1		1	Cell suppressed for small numbers
267	Alameda	CY 2016	Dental Exams (D	Age 1-2		2	Cell suppressed for complementary cell
268	Alameda	CY 2016	Dental Exams (D	Age 3-5	10801		
269	Alameda	CY 2016	Dental Exams (D	Age 6-9	16984		
270	Alameda	CY 2016	Dental Exams (D	Age 10-14	17136		
271	Alameda	CY 2016	Dental Exams (D	Age 15-18	9997		
272	Alameda	CY 2016	Dental Exams (D	Age 19-20	2898		

- Alameda CY 2016 Age 1-2 Users of Dental Exams is the second lowest among all children age groups
 - User Annotation code = "2"
 - User Annotation Description: Cell suppressed for complementary cell



Annotation – Complementary Cell

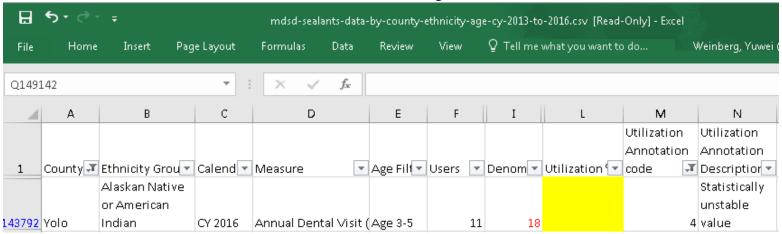


 Alameda CY 2016 Age 1-2 Users of Dental Exams is the second lowest among all children age groups

- Utilization Annotation code = "2"
- Utilization Annotation Description: Cell suppressed for complementary cell



AnnotationStatistically unstable value



- Yolo CY 2016 Age 3-5 Denominator of Annual Dental Visit is more than 11 but less than 30
 - Utilization Annotation code = "4"
 - Utilization Annotation Description: Statistically unstable value
 - Example: $\frac{11}{18} = 61\%$ and $\frac{12}{18} = 67\%$, increasing one person makes a 6% increase on the utilization, which is not reliable/stable.



Use Case 1: Dental Transformation Initiative

Domain 1 Goal

 Domain 1: Increase the statewide Preventive Dental Services Utilization for children ages one (1) through twenty (20) enrolled in Medi-Cal by ten (10) percentage points over a five (5) year period.

How can I see Domain 1 improvement on the Open Data Portal?

Criteria:

Region: Statewide

• Age: 1-20

Measure: Preventive Dental Services

Periods:

Baseline: CY 2014

- Program Year 1: CY 2016

Data Set: <u>Dental Utilization</u>
 <u>Measures and Sealant Data by Age</u>

 <u>Groups Calendar Year 2013 to 2016</u>



CY 2014

CY 2016

Age 1-20

Age 1-20

Use Case: Dental Transformation Initiative

37.82%

42.47%

			Denominator (3	1	
Calendar			Months		•
Year	Age Filter	Users	Continuous		•
			Eligibility)		_
CY 2014	Age 1-2	84,060	583,913	7	•
CY 2014	Age 3-5	371,506	867,880		
CY 2014	Age 6-9	584,648	1,180,883	L	•
CY 2014	Age 10-14	555,465	1,281,797		
CY 2014	Age 15-18	320,334	957,425		
CY 2014	Age 19-20	80,468	407,137	J	•
CY 2016	Age 1-2	121,209	605,175		h
CY 2016	Age 3-5	433,794	903,380		ll .
CY 2016	Age 6-9	693,326	1,247,032		
CY 2016	Age 10-14	707,791	1,456,248		
CY 2016	Age 15-18	403,378	1,102,856		
CY 2016	Age 19-20	106,675	492,478		ן ע
					\Box
Calendar Year	Age	Users	Denominator	Utili	zation %

1,996,481

2,466,173

5,279,035

5,807,169

Region: Statewide

• Age: 1-20

Measure: Preventive Dental

Services

Periods:

Baseline: CY 2014

Program Year 1: CY 2016

Data Set: <u>Dental Utilization</u>

<u>Measures and Sealant Data</u>

<u>by Age Groups Calendar Year</u>

2013 to 2016

CY 2016-CY2014 =Increment 42.47%-37.82% = 4.65% *Data is slightly differently from the DTI Annual Report Program Year 1 because data is not queried in the same month.



Billing Provider/Dental Offices

https://data.chhs.ca.gov/dataset/profile-of-enrolled-medi-cal-fee-for-service-ffs-providers-as-of-june-1-2017

Provider	Office Location			Enrollment Status	Provider Type	Provider Type	Specialty	Specialty Code
Number	Number	NPI Number	Provider Legal Name	Effective Date	Code	Code Desc	Code	Desc
G86722	01	1487963278	JORDAN LANDING DENTAL CARE	05/02/17	Billing Office	Billing Office	N/A	N/A
G86819	01	1215320775	DENTAL CENTER OF ST GEORGE L	12/20/16	Billing Office	Billing Office	N/A	N/A
G87303	01	1639453327	KIDSPEACE NATIONAL CENTERS I	02/29/16	Billing Office	Billing Office	N/A	N/A
G93985	01	1417981606	DOVE, EDWARD E, DDS	09/27/16	Billing Office	Billing Office	N/A	N/A
G93985	02	1821281809	DOVE, EDWARD E, DDS	09/27/16	Billing Office	Billing Office	N/A	N/A
G93985	05	1417981606	DOVE, EDWARD E, DDS	09/27/16	Billing Office	Billing Office	N/A	N/A
B16356	01	1770691545	HASHIMOTO, W W, DDS	04/28/15	Billing Office	Billing Office	N/A	N/A
B20716	01	1760607196	PRATT, K TERRY, DDS INC	08/04/17	Billing Office	Billing Office	N/A	N/A

,	Out Of									
П	State		County	County Code					Address	
	Ind	Out Of State Desc	Code	Desc	Address Line 1	Address Line 2	Address Line 3	Address City	State	Address Zip
Ш	2	Out of state provider	00	Out of state	7611 S JORDAN LAND	ING	BLVD	WEST JORDAN	UT	84084-5610
	2	Out of state provider	00	Out of state	321 N MALL DR STE P	101		SAINT GEORG	UT	84790-7338
	2	Out of state provider	00	Out of state	4085 INDEPENDENCE	DR		SCHNECKSVIL	PA	18078-2574
	0	In state provider	15	Kern	3130 UNION AVE			BAKERSFIELD	CA	93305-3443
	0	In state provider	19	Los Angeles	20523 DEVONSHIRE S	Т		CHATSWORTH	CA	91311-3208
	2	Out of state provider	00	Out of state	1004 S HOPI AVE			PARKER	AZ	85344-5134
	0	In state provider	01	Alameda	38080 MARTHA AVE S	STE A		FREMONT	CA	94536-3809
	0	In state provider	01	Alameda	2217 CENTRAL AVE			ALAMEDA	CA	94501-4410



Rendering Providers

	Office			Enrollment				
Provider	Location			Status	Provider Type	Provider Type	Specialty	
Number	Number	NPI Number	Provider Legal Name	Effective Date	Code	Code Desc	Code	Specialty Code Desc
		1083865646	YOON, AUDREY J	02/07/15	Rendering Provide	Rendering Provi	25, 30	CERT ORTHODONTIST, PEDODONTIST
		1083885685	ALEXANDER, KEITH A	09/22/16	Rendering Provide	Rendering Provi	25	CERT ORTHODONTIST
		1083922827	MOADEL, MATTHEW N	04/08/16	Rendering Provide	Rendering Provi	25	CERT ORTHODONTIST
		1093179665	WONG, KATHERINE A	05/24/17	Rendering Provide	Rendering Provi	25	CERT ORTHODONTIST
		1093841314	BAKHTARI, ARASH H	04/27/16	Rendering Provide	Rendering Provi	25	CERT ORTHODONTIST
		1093847261	COLE, WILLIAM A	04/20/16	Rendering Provide	Rendering Provi	25	CERT ORTHODONTIST
		1093847295	NAKAMURA, HOWARD M	03/27/18	Rendering Provide	Rendering Provi	25	CERT ORTHODONTIST
		1104006196	WOOLRIDGE, KENDALL S	09/10/15	Rendering Provide	Rendering Provi	25	CERT ORTHODONTIST
		1104899780	TIPTON, DAVID F	07/01/15	Rendering Provide	Rendering Provi	25	CERT ORTHODONTIST
		1104915537	HARRISON, KENNETH T	01/13/17	Rendering Provide	Rendering Provi	25	CERT ORTHODONTIST
		1104983485	JAMES, KENDALL E	05/11/18	Rendering Provide	Rendering Provi	25	CERT ORTHODONTIST
		1104985993	FIROUZ, MAURICE E	02/03/16	Rendering Provide	Rendering Provi	25	CERT ORTHODONTIST
		1114041456	HAIDAR, LOUIE M	02/17/16	Rendering Provide	Rendering Provi	25	CERT ORTHODONTIST
		1114101722	MIRZABAGI, MOSTAFA H	02/22/17	Rendering Provide	Rendering Provi	25	CERT ORTHODONTIST
		1114140274	WEINTRAUB, DENIS M	01/13/17	Rendering Provide	Rendering Provi	25, 30	CERT ORTHODONTIST, PEDODONTIST
		1114318342	KIM, SUSAN D	03/02/16	Rendering Provide	Rendering Provi	25	CERT ORTHODONTIST

Out Of State Ind	Out Of State Desc		Address	Address Line 2	Address City	Address State	Address Zip



Safety Net Clinics

Provider	Office Location			Enrollment Status	Provider Type		Specialty	Specialty Code	Out Of State	Out Of State
Number	Number	NPI Number	Provider Legal Name	Effective Date	Code	Provider Type Code Desc	Code	Desc	Ind	Desc
		1316937121	ADVENTIST HEALTH CLEARLAKE		053	EVERY WOMAN COUNTS				
		1841626587	ADVENTIST HEALTH CLEARLAKE		035	RURAL HEALTH CLINICS/FEI	ERALLY QU	JALIFIED HI	EALTH C	ENTER
		1104959089	ALAMEDA COUNTY MED CTR		058	HEALTH ACCESS PROGRAM				
		1922131804	31804 ALAMEDA COUNTY MED CTR 05		058	HEALTH ACCESS PROGRAM				
		1548551997	ALAMEDA COUNTY MEDICAL		045	CLINIC EXEMP FROM LICEN	NSURE			
		1033241633	ALAMEDA HEALTH SYSTEM		058	HEALTH ACCESS PROGRAM				
		1710218409	ALLIANCE MEDICAL CENTER		058	HEALTH ACCESS PROGRAM				
		1750399796	ALLIANCE MEDICAL CENTER		058	HEALTH ACCESS PROGRAM	SPROGRAM			
		1528108610	ALTA FAMILY HEALTH CLIN		058	HEALTH ACCESS PROGRAM				
		1982814745	ALTAMED COMM HEALTH CLIN		035	RURAL HEALTH CLINICS/FEE	ALTH CLINICS/FEDERALLY QUALIFIED HEA			ENTER
		1518171016	ALTAMED HEALTH SERVICES		089	ELECTRONIC HEALTH RECOR	RD INCENTI	VE PROGR	AM	

	Specialty	Out Of	Out Of		County						
Specialty	Code	State	State	County	Code	Address	Address	Address	Address	Address	
Code	Desc	Ind	Desc	Code	Desc	Line 1	Line 2	Line 3	City	State	Address Zip
						15230 LAK	KESHORE D	R	CLEARLAK	CA	95422-8107
ERALLY QU	JALIFIED HE	NTER			9430 LAKE	SUITE C		LOWER LA	CA	95457-8600	
						6955 FOO	STE 200		OAKLAND	CA	94605-2426
						6066 CIVIC TERRACE AVE			NEWARK	CA	94560-3746
URE						1411 E 319	111 E 315 KORET BLDG, 6TH FL			CA	94602-1018
						664 SOUT	HLAND MA	ALL	HAYWARI	CA	94545-2150
						8465 OLD	SUITE 320		WINDSOF	CA	95492-8090
						1381 UNI\	ERSITY ST		HEALDSBU	CA	95448-3314
						888 N ALT	STE 103		DINUBA	CA	93618-3089
ERALLY QU	RALLY QUALIFIED HEALTH CENTER				10418 VA	STE B		EL MONTE	CA	91731-2402	
D INCENT	VE PROGRA	AM				6901 ATLA	NTIC AVE		BELL	CA	90201-3646





August 16, 2017 21