

Increasing the Capacity of California Community Clinics to Support Dental Student and Resident Training Experiences and Provide Oral Health Care for Underserved Populations

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The National Pipeline Program

**PIPELINE
PROFESSION
& PRACTICE**

**Community-Based
Dental Education**

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The National Pipeline Program

Pipeline, Profession & Practice: Community-Based Dental Education

Launched in 2003, the Pipeline, Profession & Practice: Community-Based Dental Education (Dental Pipeline) program is a five-year program designed to help increase access to dental care for [underserved populations](#). Grant funds from The Robert Wood Johnson Foundation and The California Endowment were made available to 15 U.S. dental schools to develop community-based clinical education programs that provide care to the most vulnerable populations and to increase recruitment and retention of low-income and underrepresented minority students.

With funding from the Dental Pipeline program, dental schools are required to:

- Establish community-based clinical education programs;
- Revise didactic and clinical curricula to integrate community-based practice experiences into their educational programs; and
- Implement programs to increase recruitment and retention of underrepresented minority and low-income students.

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Community-Based Dental Education



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The California Initiative

Management of the Initiative

Oral Health Access in California

California Schools Develop Cooperative Sustainability Strategies

The California Initiative

[The California Endowment](#) funds the participation of four California dental schools in the Pipeline, Profession & Practice: Community-Based Dental Education (Dental Pipeline) program. The participating Dental Pipeline: California Initiative schools are:

- [University of the Pacific](#)
- [Loma Linda University](#)
- [University of California, Los Angeles](#)
- [University of Southern California](#)



The California Endowment joined the Dental Pipeline program in February 2003, six months after [The Robert Wood Johnson Foundation \(RWJF\)](#) funded the first 11 Dental Pipeline schools. This \$6.3 million Initiative began March 1, 2003 and will continue for four years. California's fifth dental school, the [University of California, San Francisco](#), was already funded by RWJF.

The Endowment's grant will enable the four California dental schools to:

- Recruit and retain an increased number of underrepresented minority students to their dental programs.
- Reform the curricula to integrate community-based practice experience and courses in cultural competency, public health, and the social and behavioral sciences.
- Establish community-based clinical education programs.

California Pipeline Health Policy Council

- Focus on placement of dental students and residents in community clinics

California Pipeline Health Policy Council

- Focus on placement of dental students and residents in community clinics
- Questions about placement of students and residents in community sites:
 - What systems are being used?
 - What is the capacity of the community clinics?
 - Could an organized collaborative system be developed?
 - What kind of arrangements would facilitate placement?

Community/School Collaboration

- Motivation for collaboration
 - Pipeline program
 - Clinics are facing workforce shortages
 - Schools have overcrowded clinics and narrow range of patients and experiences



DENTAL CARE:

Clinics Facing Crisis

Number of dentists declining
while dental schools close

By Rodd Monts
Staff Writer

Community/School Collaboration



Community/School Collaboration



California Pipeline Health Policy Council

- Survey Questions
 - What is the capacity of the community clinic system to work with dental schools to place students and residents?
 - Can we develop organized and collaborative system in California to develop arrangements with community sites?
 - What would it take?

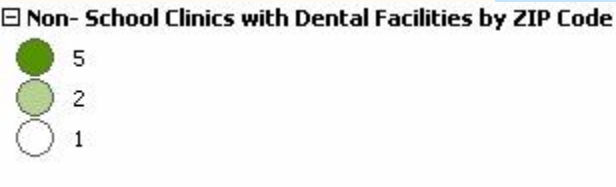
Community Capacity Study Methodology

- Define universe of clinics
 - Compile lists of clinics - 1000
 - Sort out duplicates, consortia, groups, administrative responsibility
 - Contact all community clinics in California
 - Determine dental services or strictly medical clinics
 - Finalize list of community clinics ~ 700
 - Determine who to direct survey to
 - Prepare survey recipient to return survey

Community Capacity Study Results

- 729 Clinics
- 706 non-school clinics**
 - 706 total, 212 with dental facilities
 - **basis of survey results
- Clinics per 100,000 people
 - 1.97 total non-school clinics
 - .59 non-school clinics with dental facilities
 - or 170,000 people/clinic

Non-School Clinics with Dental Facilities By Zip Code



Community Capacity Study Results

- Searchable database of clinics available at:
 - <http://dental.pacific.edu/CommunityServices/PacificPipeline.htm>



Community Services

Community Capacity Study

- Pacific Center for Special Care
- Pacific Pipeline Program
- Student Community Outreach and Public Education (S.C.O.P.E.)
- Community Services Home

In December 2005, Pacific completed the first ever study of the capacity of community clinics in California to utilize a student and resident workforce to increase access to oral health services for underserved populations. This study, funded by [The California Endowment](#) and supported by the [California Primary Care Association](#), included a compilation of the community clinics in California, an analysis of oral health services provided by those clinics, and recommendations for improving access to care through increased cooperation between clinics and educational programs.

The Community Capacity Study report can be downloaded [here](#) (90kb).

In order to perform the Community Capacity Study, Pacific had to identify the community clinics in the state of California. Lists of clinics were obtained from multiple sources and combined. Phone calls were made to all the sites on the list to rule out duplicates, verify demographic information, and determine whether or not the clinics had a dental facility. This process identified 729 clinics, 232 of which had dental facilities. A searchable database has been created which lists these clinics and can be searched by county, zip code, clinic name, and whether or not the clinic has a dental facility. [This searchable database can be accessed here.](#)

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List All



Custom Search



Map County Search

County ▲	Zip Code	Agency Name	City	Dental Facility
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Qty: 728

ALAMEDA

94538	Tri-City Health Center	Fremont	No
94541	Planned Parenthood Golden Gate - Hayward	Hayward	No
94544	Silva Pediatric Clinic	Hayward	Yes
	Winton Wellness Center	Hayward	No
	Winton Wellness Center	Hayward	No
94545	Chabot College Dental Hygiene Clinic	Hayward	Yes
94560	Newark Health Center	Newark	No
	Second Chance Recovery Center	Newark	No
94566	Axis Community Health	Pleasanton	No
94587	University of the Pacific Union City Dental Clinic	Union City	Yes
	Miranda Health Center	Union City	No
	Tiburcio Vasquez Health Center, Inc.	Union City	Yes
	Logan Health Center	Union City	No
94601			



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Map County Search

Agency Custom Search


Name:

Dental Facility: Yes No

City:

Zip Code:

County: Choose a country...

 List All
  Custom Search
  Map County Search

County ▲	Zip Code	Agency Name	City	Dental Facility
Qty: 4				
SAN BERNARDINO				
	92308	Victor Valley Community Dental Service Program	Apple Valley	Yes
	92316	Community Health Systems, Inc.	Bloomington	Yes
		Community Health Systems, Inc. - Inland Empire Community Health Center	Bloomington	Yes
	92408	Sach Norton Dental Clinic	San Bernardino	Yes

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Map County Search





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Agency Details

Name : Victor Valley Community Dental Service Program

Agency Type : Community Dental Clinic

Affiliation Type : County Association or Group

Dental Facility : Yes

Address

Address : 22749 A3 US Highway 18

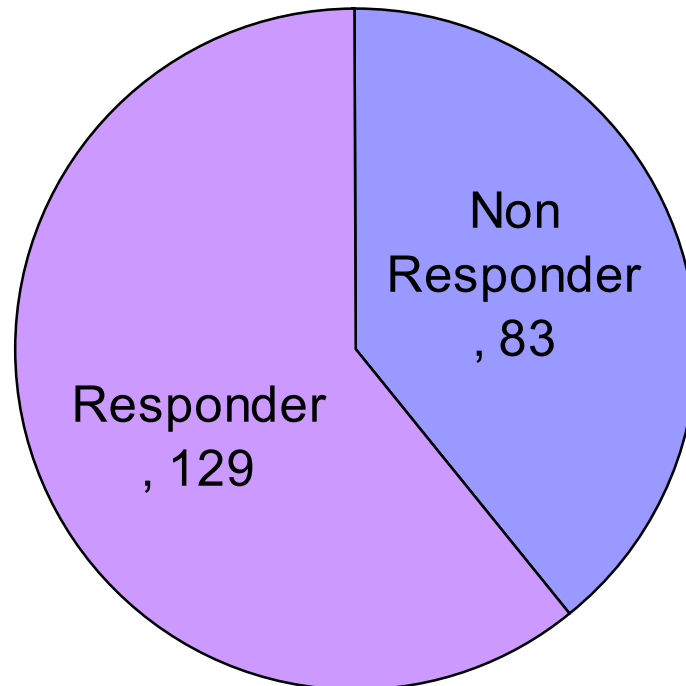
City, State and Zip Code : Apple Valley, CA 92308

Phone : 760.961.0100

Fax : 760.961.0200

Response rate for community clinics with a dental clinic

Response Rate = 61%
n = 212
(non-school sites with dental clinics)



Clinic Associations

	#	CPCA
CPCA	69	69
CAPH	3	0
Local Consortium	50	34
County Group	27	15
Other	37	21

Clinic Type (multiple types per clinic)

	#	FQHC
Free standing Dental Clinic	18	8
School-based Clinic (Dental Only)	6	3
Mobile Clinic (Van)	15	7
Hospital Based Clinic	7	1
VA Facility	0	0
Public Hospital	2	0
Rural Health Clinic 95-210	7	3
Medical/Dental Clinic	63	37
Mobile Clinic (portable)	4	4
County Health Facility	13	0
FQHC	68	68
School-based (Med/dental)	13	8
FQHC Look-Alike	6	4
Free Clinic	4	1

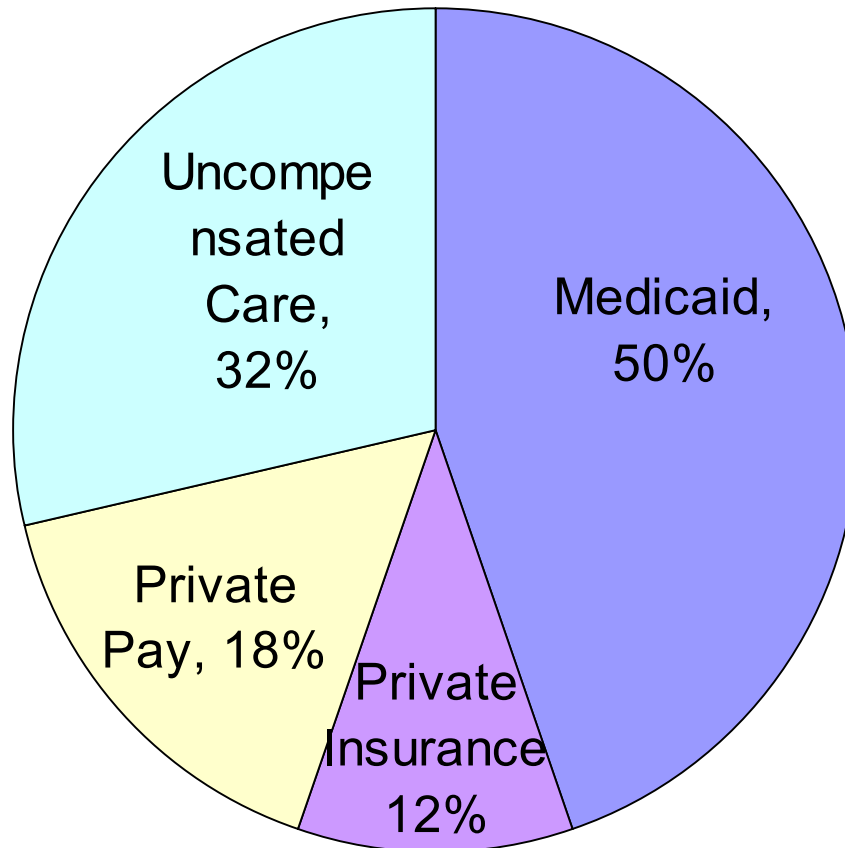
Clinic Funding (average percent per source)

	Average %
County Funding	26%
Federal Funding	23%
Grant Funding	24%
Private Contributions	14%
Private Contracts	7%
Patient Fees	36%
Other	27%

Other: HMO, city funding, private insurance, investment earnings, rental income

Payer Mix

Payer Mix - Average % per Source

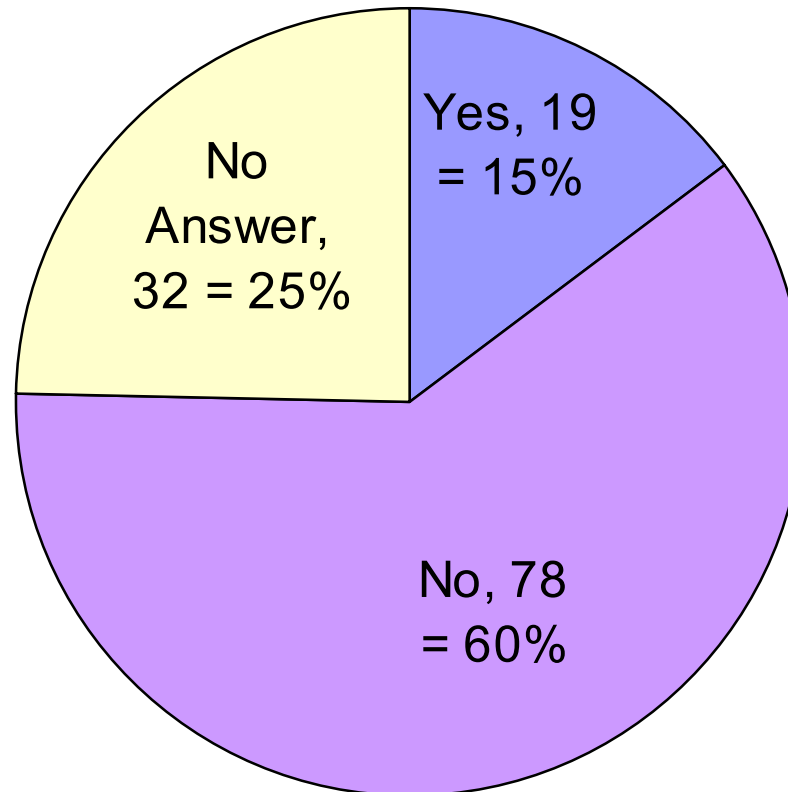


Patient Population

	Average %
Caucasian	29%
Black or African American	9%
Asian	7%
American Indian or Alaska Native	12%
Hispanic	56%
Native Hawaiian or Pacific Islander	3%
Multi-racial	5%
Declined to state	3%

Legislative, regulatory, policy, procedural barriers to increasing rotations?

Legislative/Legal Barriers to Rotations?
N= 129



Barriers

- Distance from schools
- Monitoring/supervision challenges
- JCAHO Credentialing/liability issues
- Patient perception issues
- Space
- Contractual agreements
- “insurmountable red tape!!”

Change in dental services

Do you plan to increase/decrease dental services or expand your dental facility in the next 1-3 years? By what percent?

	#	Average %
Increase in dental services	75	35%
Decrease in dental services	3	27%

Non-school community clinics without dental facilities: change in dental services

Do you plan to add dental services or expand your facility in the future?

- Yes 34
- No 76

Constraints to increasing patients seen

	Not Significant Constraint		Significant Constraint		Very Significant Constraint	Average
	1	2	3	4	5	
Patient transportation barriers	25	26	25	15	7	2.5
Overall clinic size	27	20	17	13	21	2.8
Number of operatories	28	17	18	10	24	2.8
Number of general dentists	22	22	19	11	24	2.9
Number of specialists	11	17	18	15	30	3.4
Social Services or other support	32	31	18	10	3	2.2
Number of hours clinic is open	34	29	16	7	11	2.3

Clinic/operator data

	Average
Chairs or operatories	5.30 chairs
% time with no-shows/cancellations	19% of time
Patients treated/day	26 patients
Wait time for new patient exam	28 days
Wait time for emergency visit	1 days
Hours open per day (M-F)	8.6 hours
Hours open per day (Sat-Sun) (19% of clinics)	7.4 Hours (Sat)

Procedures per month

Item (# responding)	Average #
Comprehensive exam/95	136
Full mouth x-rays/84	109
Panoramic/41	30
Sealant/92	87
Child oral prophylaxis/89	84
Adult oral prophylaxis/82	94
Amalgam fillings/92	165
Composites/92	121
Crowns/86	17
Stainless steel crowns/71	33
Fixed partial dentures/40	11

Item (# responding)	Average #
Full Dentures/69	19
Cast partial dentures/52	15
Acrylic stayplates/64	17
Simple extractions/96	81
Surgical extractions/79	21
Anterior root canals/83	14
Posterior root canals/71	14
Scaling/root planning/83	56
Periodontal surgery/12	3
Orthodontics/12	28

Focus Group/Interview Report

- Clinics that are contemplating rotations consider space, finances, resources
- Clinics that have rotations report importance of training students and residents in public health values and the stimulation to staff from the teaching environment

Conclusions

- Clinics that have rotations like them
- There are many clinics that are interested and capable of having rotations and want to expand dental services
- Dental student/resident rotations can increase future practitioners' understanding of public health issues
- Dental student/resident rotations can supply significant workforce for clinics.
- Developing a successful rotation program takes a lot of planning and support
- There is a need for a planning and support network between clinics and schools

Future work

- Develop model solutions/programs
- Develop planning and support network
- California Pipeline II
 - 3-5 year extension of California Pipeline program
 - Intensify school/clinic relationships

Community/School Collaboration

