

Preschool Oral Health Initiative



2012-2013

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To ensure children enter school healthy and ready to learn...

Message First 5 Madera County Executive Director

Tooth decay is a common, preventable problem for people of all ages. For children, untreated cavities can cause pain, dysfunction, school absences, difficulty concentrating—problems that greatly affect a child's quality of life and ability to succeed. The funding for the Oral Health Initiative or the "Preschool Tooth Fairy Program," implemented by Camarena Health allows for early oral screenings and referrals in a school friendly setting, with using the Tooth Fairy to entice children and counter some hesitations that children have for the dentist.



Oral Health Initiative:

In 2012-2013, Camarena Health provided screenings to preschool age children.

Special Characteristics: *Children received dental screenings, dental kits, appropriate referrals when needed, and a visit from the Tooth Fairy.*

Target Area: 35 Preschool Classrooms

Number of Children Served: 722

First 5 Funds received: \$40,000; **Leveraged:** 0

Service Units at a Glance

Number of Children served	722*
Number of Children screened	404
Number of Parents served	404
Classrooms visited	35
Amount of First 5 Funds Received	\$34,558.60
Amount of Leveraged Funds	\$0
Cost Amount to Structure	\$34,558
Cost per child in 2012-2013	\$47.86



*722 children received oral health information; the children that were screened include the number of children that had waivers signed by their parents.

**Random sample of 4 dental providers in Madera County that provide services to children.

Education and Information

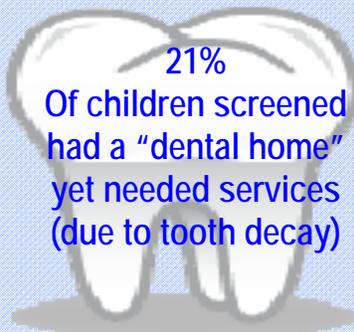
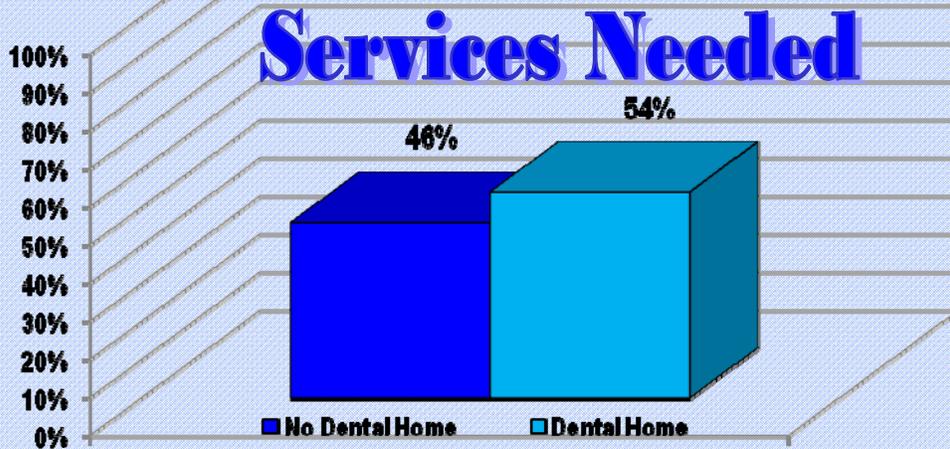
During the informational component of the program, the Oral Health Team provided presentations utilizing "Pedro the Puppet" to brush his teeth with an oversized toothbrush. They also utilized an oversized book that demonstrates the "sugar bugs"(tooth decay), and the importance of good brushing and flossing techniques. The dental team also encouraged the children to sing along using their hands to motion the brushing and flossing techniques. The Oral Health Program distributed 722 "Dental Kits." The Dental Kits consisted of a tooth brush, stickers, 2-minute timer, floss, toothpaste, and informational brochures. During the dental screening, the "Tooth Fairy" emphasizes to each child the importance of proper brushing and flossing twice a day. A total of 404 dental screenings were completed, of which, 150 of the children did not have a "dental home" and were referred to Camarena Health (CH) for services. 254 parents indicated that their child had a dental home.**



Screenings



The chart below reflects the children (n=159) who needed services based on their dental home status. The data demonstrates, that although children had a dental home, they still needed to be seen by their dental provider. Based on the screening, those that "needed service" was established by having some type of decay during their screening.***



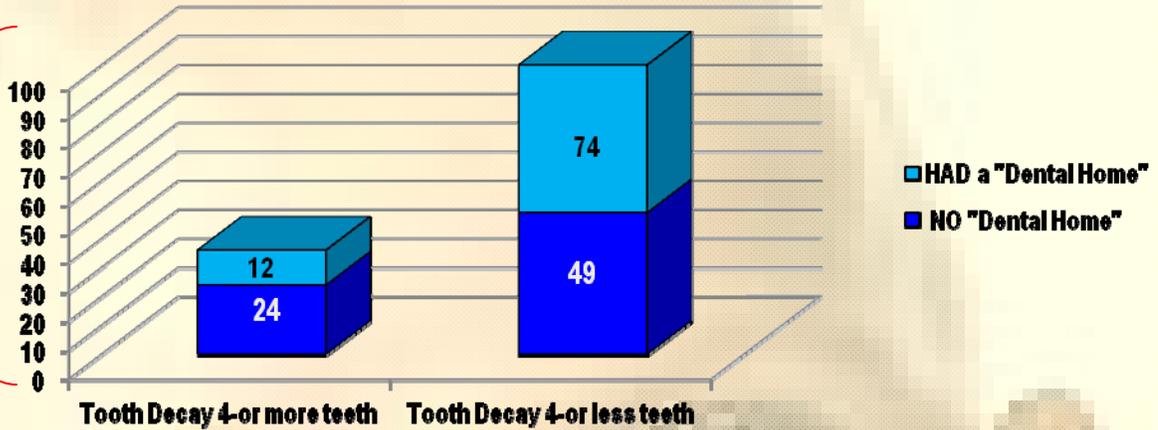
*Children that did not demonstrate any decay or pain were recommended to follow up with a dental care provider within 6 months.

**Parents self-reported their child's insurance and dental care provider status.

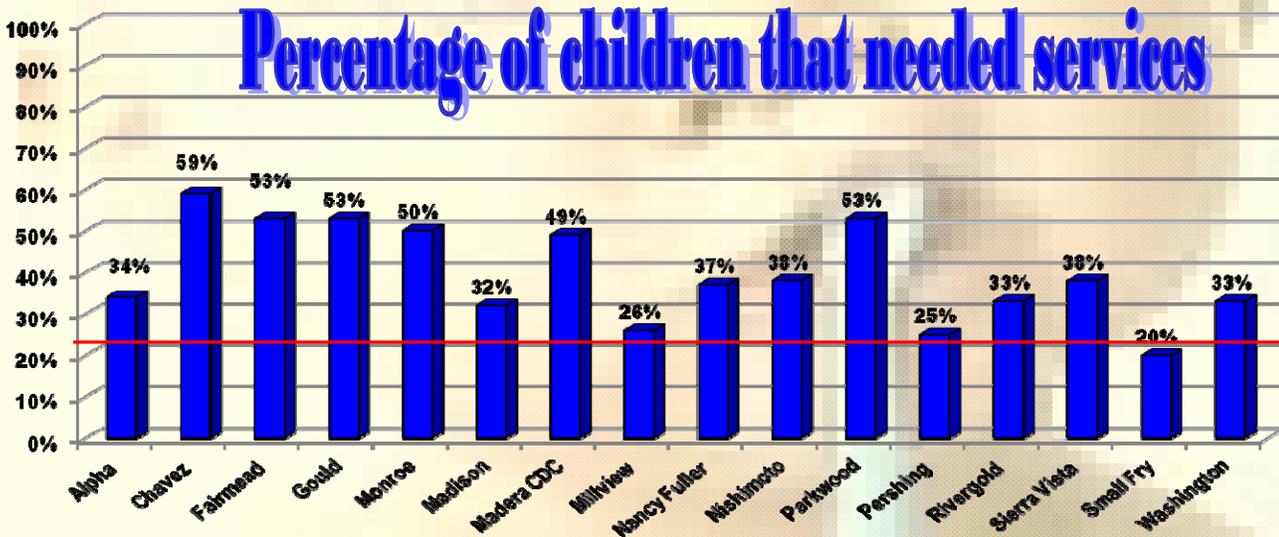
***Total percentages based on 159 of the 404 screened. No "dental home" percentages are based on n=73, "had a dental home" n=86

Results of Screenings

40% of children screened (n=159) demonstrated a need for services, the graph demonstrates the results of the screenings.



Based on the findings, those who did not have a dental home had more tooth decay on more teeth than those who had a dental home. The Healthy People 2020 Objective (HPO 2020), is To Reduce The Proportion Of Children Aged 3 to 5 years With Untreated Dental Decay In Their Primary Teeth. Of the 404 Madera County children that were screened, 40% (n=159) demonstrated a need for services. This information will serve as a baseline for Madera County. In short, Madera 3 to 5 year olds with untreated tooth decay is almost twice the Healthy People Objective goal.



HPO 2020-21%
Reduce the proportion of children aged 3 to 5 with untreated dental decay in their primary teeth

The chart reflects the percentage of children that needed services per school site. Based on the screenings, 94% (n=15) of the school sites do not currently meet the Healthy People Objective. While only one of the 16 sites meet Healthy People Objective, this data supports the need for continued dental outreach at preschool sites.

	Alpha	Chavez	Fairmead	Gould	Monroe	Madison	MCDC	Millview	Children's University	Nishimoto	Parkwood	Pershing	River gold	Small Fry	Washington
API*	1	2	3	N/A	2	1	N/A	2	N/A	2	3	4	7	5	1
% Eligible for FRMP**	92%	94%	36%	85%	98%	95%	N/A	95%	N/A	91%	88%	93%	40%	75%	97%

The above chart captures additional predictive factors to aid in further assessing the most effective means of targeting services. Moreover, it appears that preschool sites with the lowest API and sites that are eligible for Free and Reduced Meals Program (FRMP) demonstrated the highest oral health needs. This information will be used to determine which preschools to target.

*The Academic Performance Index (API) 9 or 10 Well above average for elementary, middle, or high schools with similar opportunities and challenges, 7 or 8 Above average, 5 or 6 About average 3 or 4 Below average, 2 or 1 Well below average.

** Percentage of all children for the elementary school that are eligible for free or reduced meal program.