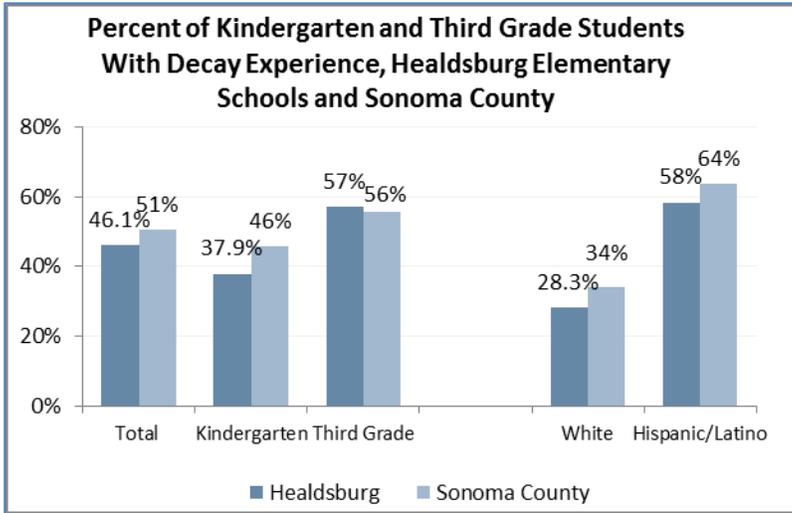


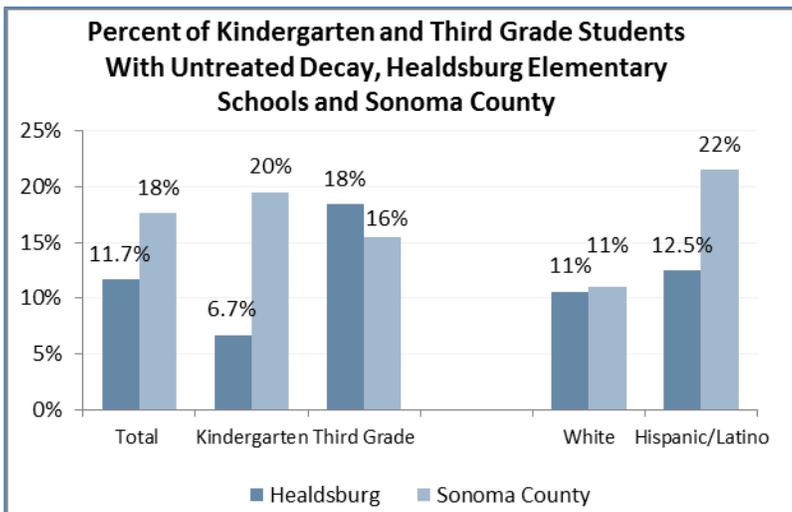
(Draft) 2014 Oral Health Screening of Healdsburg Kindergarten and Third Graders

Using the same protocol as used for the countywide 2014 Smile Survey, an oral health screening of all kindergarten and third graders in Healdsburg Elementary and Healdsburg Charter School was completed. A total of 228 Healdsburg students were screened, 131 kindergarteners and 97 third graders. The gender and race/ethnicity distributions of students were similar between Healdsburg and the rest of the county. Four oral health measures were assessed: tooth decay experience, untreated decay, need for dental treatment and presence of dental sealants. Screening results from the Healdsburg students were then compared to screening results of the county as a whole.



Decay Experience

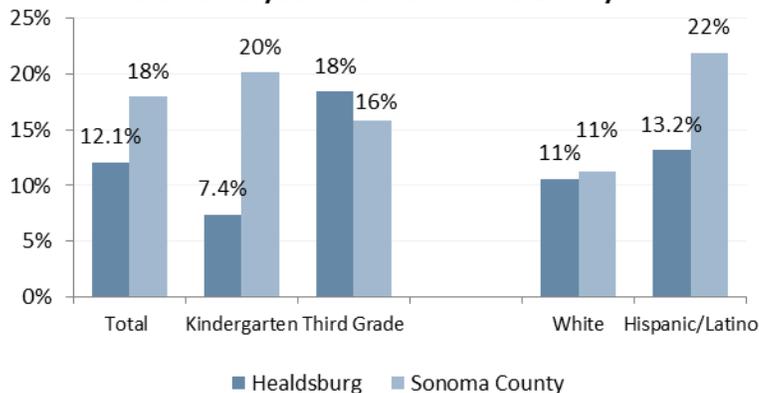
- Although there was a lower percentage of students in Healdsburg with decay experience compared to the rest of the county, the difference was not statistically significantly different.
- Healdsburg kindergarteners had significantly lower rates of decay experience than Healdsburg third graders (37.9% compared to 57.1%).
- Healdsburg Hispanic/Latino students were significantly more likely to have decay experience than Healdsburg white students (58.4% compared to 28.3%)



Untreated Decay

- The percent of total kindergarten and third grade students in Healdsburg elementary schools with untreated decay was significantly lower than that of Sonoma County overall (11.7% compared to 17.6%).
- Healdsburg kindergarten students were significantly less likely than Sonoma County kindergarteners to have untreated decay (6.7% compared to 19.5%).
- Compared to Sonoma County Hispanic/Latino students, Healdsburg Hispanic/Latino students were significantly less likely to have untreated decay (12.5% vs. 22%).

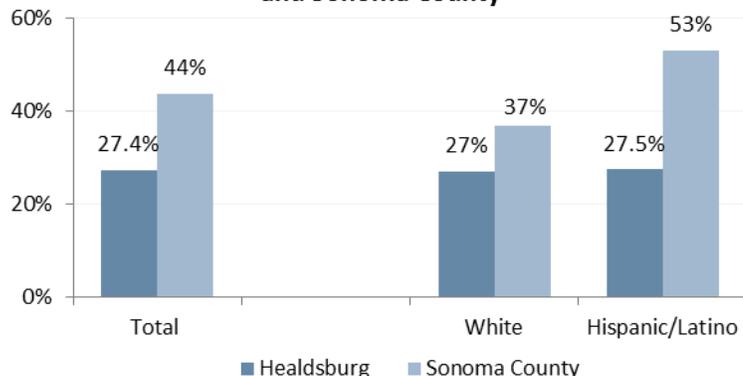
Percent of Kindergarten and Third Grade Students With Any Need For Dental Treatment, Healdsburg Elementary Schools and Sonoma County



Need for Dental Treatment

- Healdsburg kindergarten and third grade students were significantly less likely than Sonoma County students to need any (early or urgent) dental treatment (12.1% compared to 18%).
- The proportion of Healdsburg kindergarteners that needed any dental treatment was significantly less than that of Sonoma County kindergarteners (7.4% compared to 20.1%).
- Compared to Sonoma County Hispanic/Latino students, Healdsburg Hispanic/Latino students were significantly less likely to need any dental treatment (21.9% compared to 13.2%).

Percent of Third Grade Students With Dental Sealants, Healdsburg Elementary Schools and Sonoma County



Sealants

- Compared to Sonoma County third graders, Healdsburg third graders were less likely to have dental sealants in place (43.8% compared to 27.4%).
- Compared to Sonoma County Hispanic/Latino third graders, Healdsburg Hispanic/Latino third graders were less likely to have dental sealants in place (53.1% compared to 27.5%).

Summary:

In interpreting this data, it is important to keep in mind that this was a small study with limitations. When surveys are done in low numbers of people, it can be difficult to assess whether the difference observed is generalizable to a larger population. Although in these oral health screenings there were a number of findings which met the criteria for statistical significance, other differences that missed the threshold may in fact be significant if a larger group of people had been surveyed. What can be concluded with certainty is there is a difference in kindergarten dental health in Healdsburg compared to Sonoma County as a whole. There is also less of a disparity between the dental health of Hispanic/Latinos and whites in Healdsburg than in Sonoma County as a whole. This is a promising finding that may be related to better brushing and flossing, healthier diet, greater access to preventive dental services, community water fluoridation, or, most likely, a combination of these factors.