

Dental Screening of 3rd Grade Students in Alachua County, SY 2013-14

Scott L. Tomar, DMD, DrPH

Alachua County Oral Health Coalition

December 4, 2013



Dental Screenings 2013

- Limited to 3rd Grade
- Included all 23 Alachua County public elementary schools, Sept-Nov 2013 (n = 1,978)
- Conducted in conjunction with FluMist and other health screenings (height/weight, vision, hearing)
- UF and Santa Fe faculty, students, many volunteers

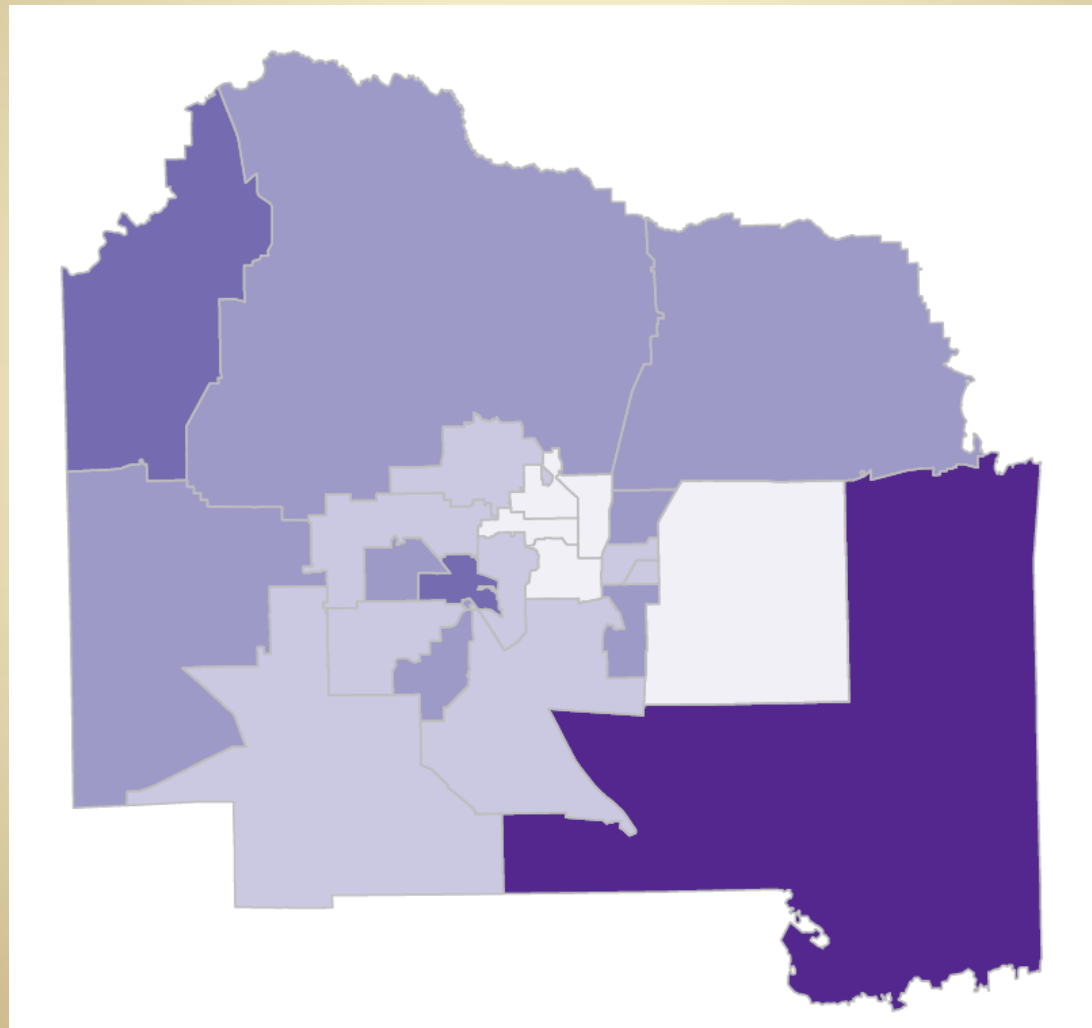




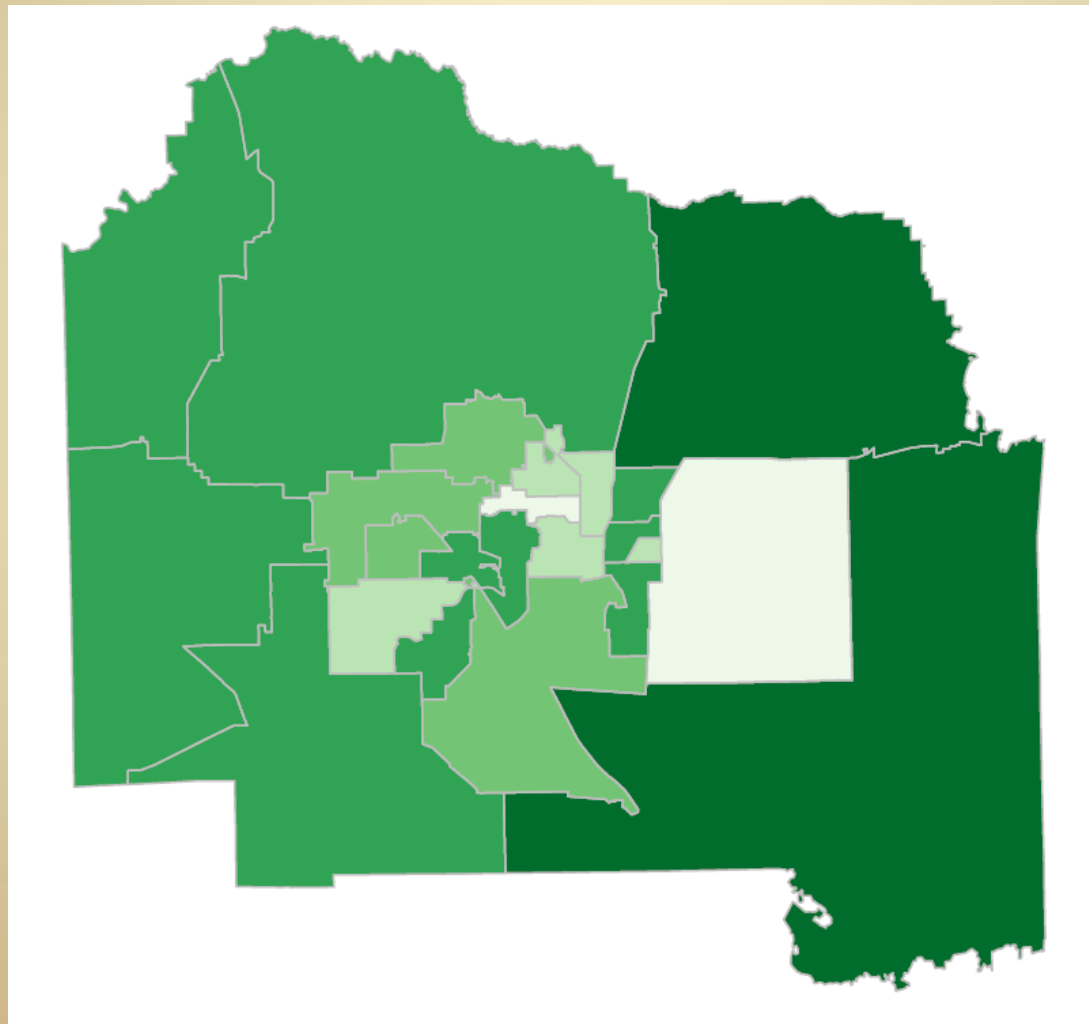
3rd Grade Dental Screening Surveys 2011, 2012, 2013

	2011	2012	2013
• Untreated cavities:	27.2%	30.5%	31.7%
• Caries experience:	46.1%	49.0%	51.6%
• Sealants present:	35.7%	36.9%	49.6%
• Need urgent care:	5.8%	6.9%	7.9%
• Need early dental care:	21.3%	25.0%	24.8%

Proportion of 3rd Graders with Untreated Cavities, by School -- 2013



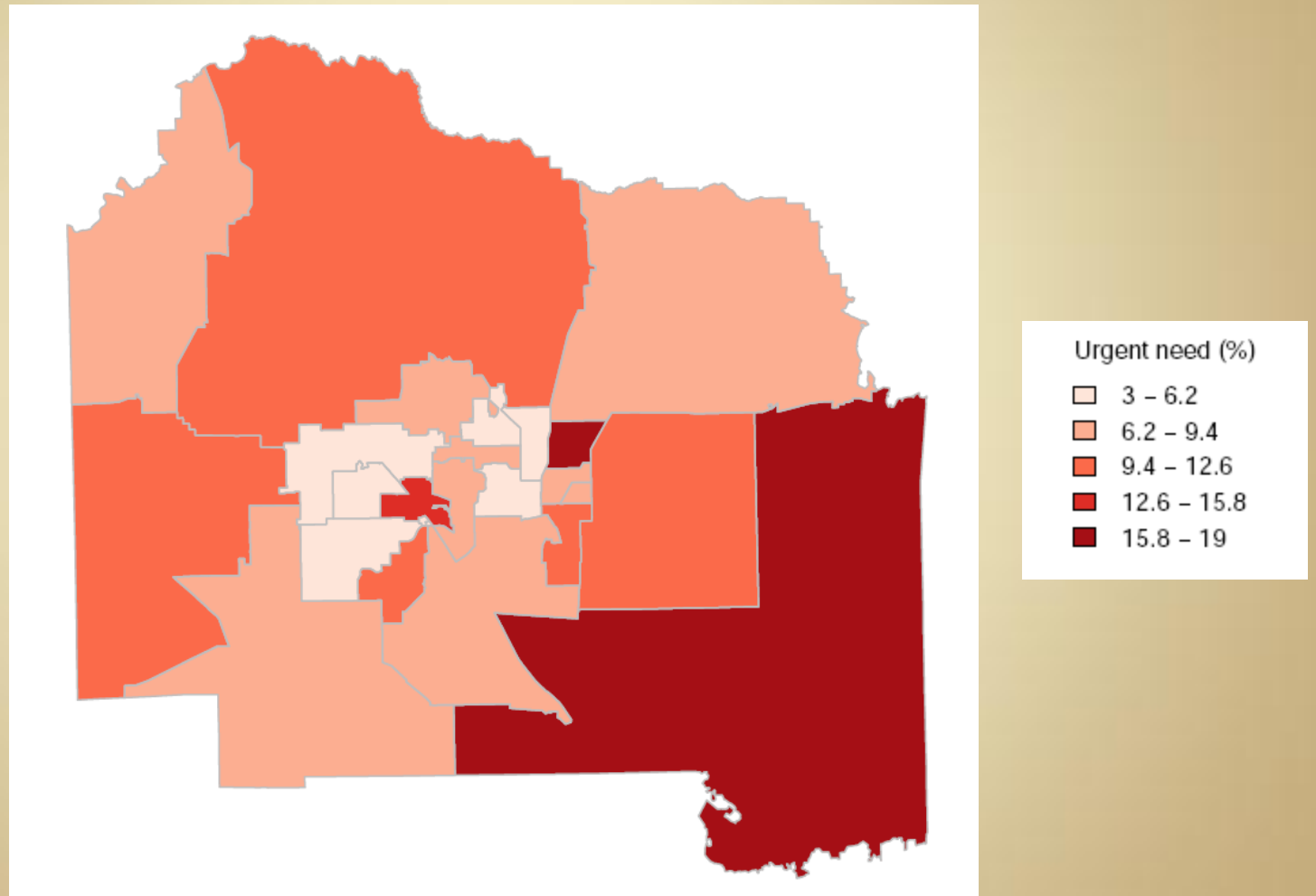
Proportion of 3rd Graders with Caries Experience, by School -- 2013



Caries experience (%)

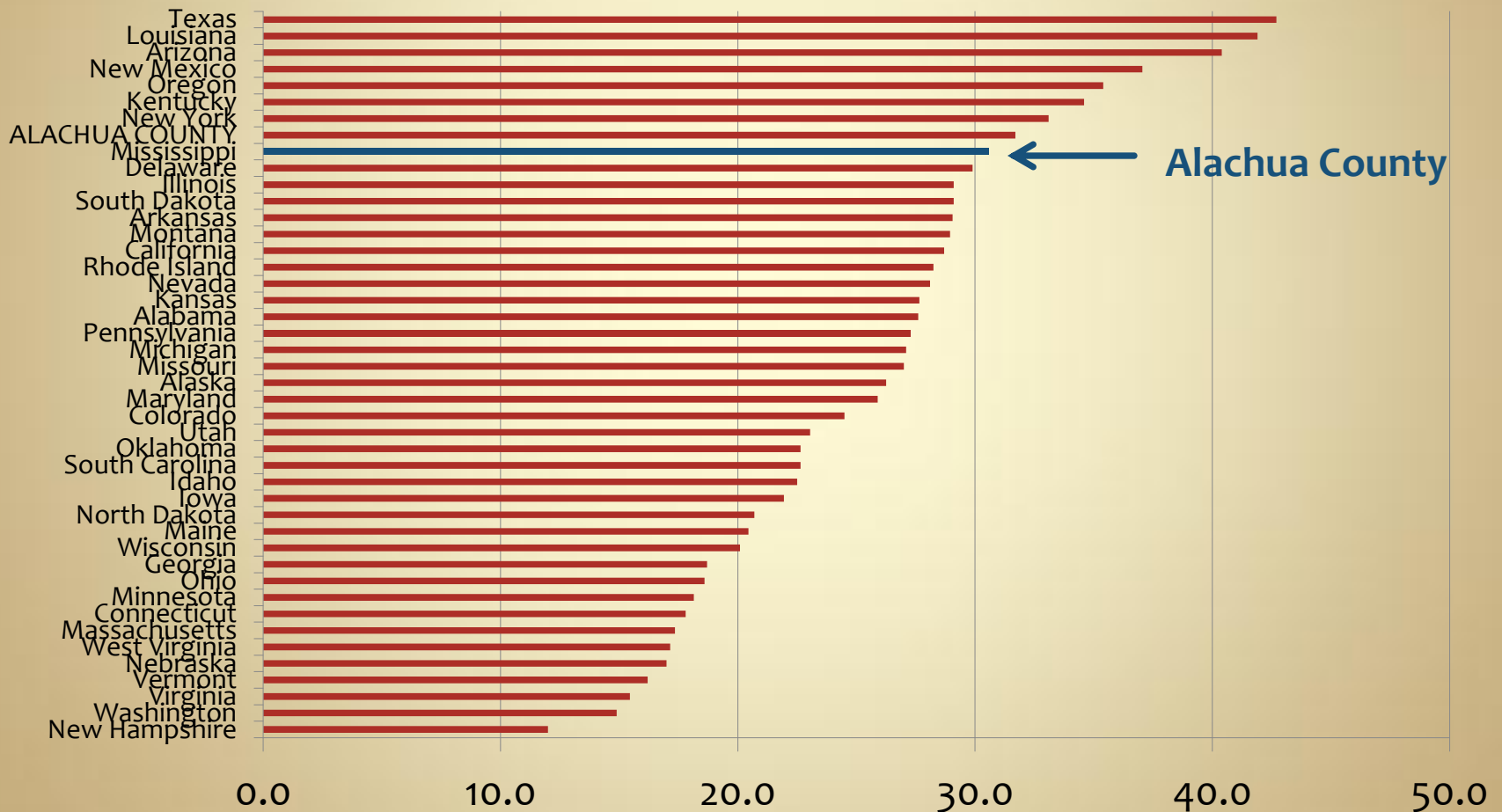
- 30 - 38.4
- 38.4 - 46.8
- 46.8 - 55.2
- 55.2 - 63.6
- 63.6 - 72

Proportion of 3rd Graders with Urgent Need for Dental Care, by School -- 2013



How Does Alachua County Compare to the Nation?

Untreated Cavities in Third Graders (%)



Screening at WIC Center

- Dental preventive program at WIC Park Ave. center
- Collaborative among UF Coll. Dentistry, UF Coll. Medicine Dept. OBGYN, North Central FL WIC
- Findings:
 - Screened 192 children age 0-5
 - 48 (25%) had untreated cavities
 - 25 (32%) age 0-3 referred to UF Infant Oral Health Clinic
 - 21 of 72 children (29%) age 3-5 had untreated cavities
 - More than 2X the national prevalence for 3-5 year olds (14%)

Dental Sealants

- Plastic, professionally applied material
- Seals pits and fissures on posterior teeth
- Provides physical barrier to food and bacteria in those crevices to prevent decay

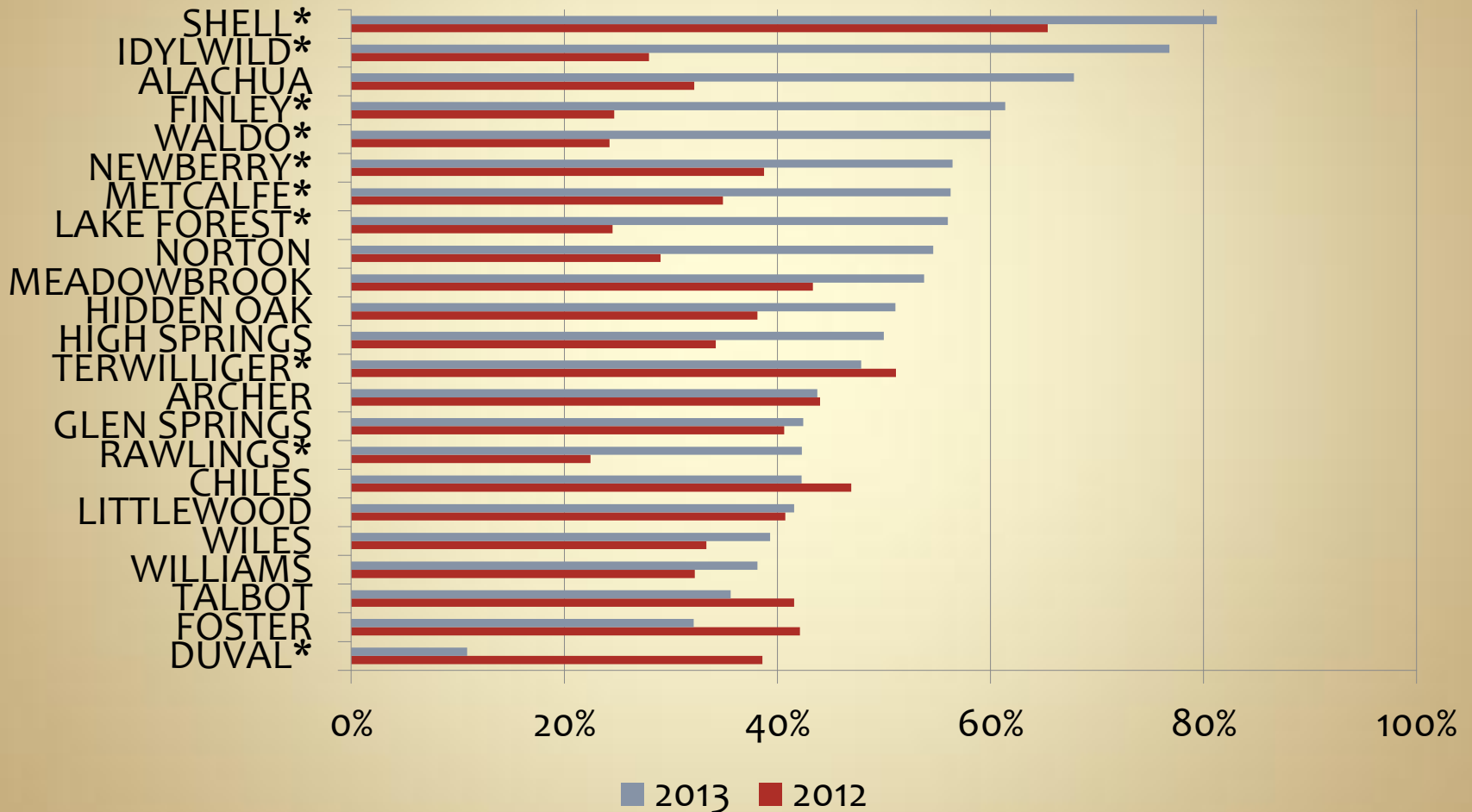


Alachua County School Sealant Program

- Partnership between UFCD and United Way of North Central Florida
- Focus on grades 2 & 6
- Most often seal permanent molars
- Use mobile equipment brought into schools



Proportion of 3rd Graders with Dental Sealants, by School, 2013



* Schools served by UF/United Way Sealant Program in SY 2012-13

Summary

- Dental caries remains relatively high in Alachua Co. 3rd graders, maybe increasing?
- Sealant program resulted in large increase in prevalence of sealants among children at highest risk
- Very high prevalence of dental caries in children seen at WIC
- Need for expanded prevention at early ages