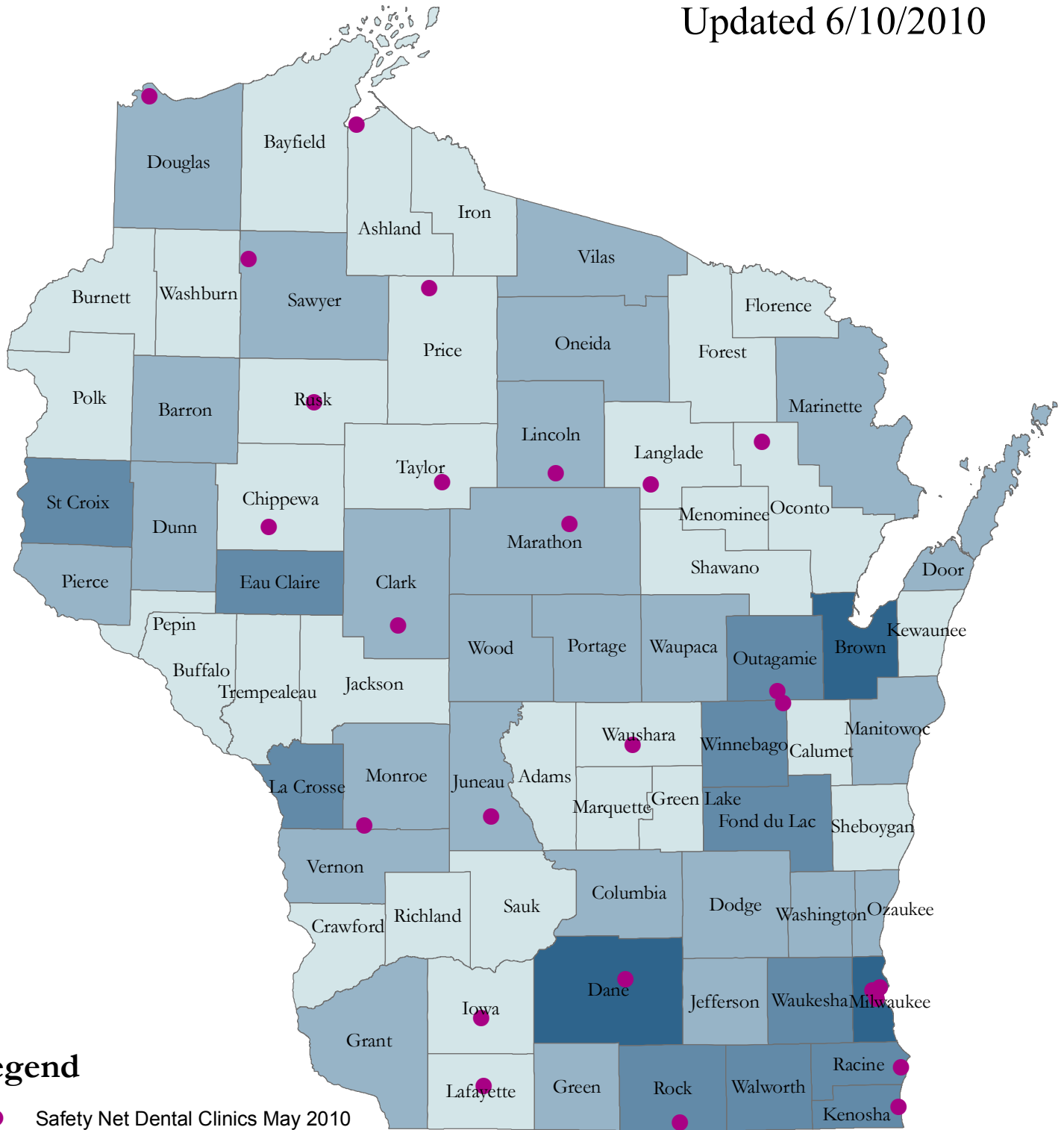


Dentist FTEs Needed for Low Income Pop. And Location of Safety Net Clinics

Updated 6/10/2010



Map & Data Notes:

- This map and data show the number of dentist full-time equivalents (FTEs) that it would take to meet the need for dental care for low-income populations by county for calendar year 2007 (the most recent year for which data are available and have been analyzed). Detailed data are not available to describe the total state dental workforce or to describe dental access for the entire state population.
- The map also shows the location of “safety net” dental clinics as of May 2010 (see definition below).
- The map and data are intended to help target areas of the state where safety net dental clinic expansion can help improve access to dental care and be most efficient. The number of dental safety net clinics has increased significantly since during this time period (14 in 2007 to 25 in 2010).
- No Wisconsin counties met the federally recommended minimum number of dentists per low-income population in calendar year 2007 (3,000 low-income population per 1.0 FTE dentist), based on the number of Medicaid paid claims for covered dentist services.
- A map of federally designated low-income population dental Health Professional Shortage Areas – HPSAs is available on the Wisconsin Primary Care Office web site, as well as information on HPSAs and associated eligibility for federal and student loan repayment:
<http://dhs.wisconsin.gov/health/primarycare/ShortageDesignation.htm>

Data Definitions & Sources:

Low-Income Population:

- Population below 200% of the federal poverty level from the U.S. Census - 2000 (American FactFinder)
http://factfinder.census.gov/home/saff/main.html?_lang=en

Number of Paid claims:

- Number of Paid Medicaid claims in calendar year 2007 for Medicaid-covered general dental services provided by general and pediatric dentists. Includes both fee-for-service and HMO claims, and excludes claims for specialty dental care and services by other providers (Wisconsin Medicaid Program, October 2009). Claims are reported based on the place/location of service delivery not the patient’s address.

Dentist FTEs:

The dentist full-time equivalent for low-income populations is calculated by dividing the total number of paid Medicaid claims by 4,000 and then rounding the dentist FTE to one decimal point. This method is used by HRSA’s Office of Shortage Designation for the designation of dental shortage areas (Health Professional Shortage Areas – HPSAs) and has been used for over 20 years.

Dentist FTEs needed for Low-Income Population:

- The number of dentist FTEs needed for a population is calculated by using the same formula that the federal Office of Shortage Designation uses to calculate the number of dentists short in designated dental Health Professional Shortage Areas (HPSAs): <http://bhpr.hrsa.gov/shortage/>

$$\frac{\text{Population} < 200\% \text{ of federal poverty}}{3,000} =$$

dentist FTEs to meet need for low-income pop – # FTEs serving Medicaid = additional FTEs needed

Safety Net Dental Clinics:

These are clinics that provide financial access to dental services for people with incomes below 200% of the federal poverty level (e.g., Medicaid/BadgerCare+, and have a sliding schedule of fees for uninsured people).

Data to Calculate Number of Dentists Needed for Low-Income Population

County	# Pop < 200% FPL	% Pop < 200% FPL	# Total Paid Claims 2007	LI Dentist FTE	# Dentist FTEs needed for LI Pop
<i>Wisconsin</i>	<i>1,214,968</i>	<i>23.3%</i>	<i>639,298</i>	<i>159.8</i>	<i>245</i>
Adams	5,863	31.9%	508	0.1	1.85
Ashland	5,697	35.4%	2,374	0.6	1.29
Barron	12,862	29.1%	3,468	0.9	3.38
Bayfield	5,312	35.7%	1,175	0.3	1.47
Brown	43,674	19.9%	10,892	2.7	11.85
Buffalo	3,594	26.5%	1,385	0.3	0.89
Burnett	4,694	30.5%	0	0	1.56
Calumet	5,592	13.9%	123	0	1.86
Chippewa	14,173	26.3%	15,212	3.8	0.92
Clark	11,589	35.2%	1,575	0.4	3.46
Columbia	9,486	18.7%	1,209	0.3	2.86
Crawford	5,352	32.4%	995	0.2	1.58
Dane	85,688	20.8%	29,676	7.4	21.16
Dodge	14,857	18.5%	3,825	1.0	3.95
Door	6,711	24.4%	947	0.2	2.03
Douglas	12,461	29.7%	4,826	1.2	2.95
Dunn	11,275	30.7%	3,038	0.8	2.95
Eau Claire	24,286	27.6%	10,277	2.6	5.49
Florence	1,432	28.6%	0	0	0.47
Fond du Lac	17,645	18.8%	2,910	0.7	5.18
Forest	3,473	35.6%	772	0.2	0.95
Grant	14,727	31.7%	1,085	0.3	4.60
Green	7,007	21.1%	1,168	0.3	2.03
Green Lake	4,567	24.1%	1,848	0.5	1.02
Iowa	5,049	22.4%	218	0.1	1.58
Iron	2,414	35.9%	1,250	0.3	0.50
Jackson	5,584	31.1%	306	0.1	1.76
Jefferson	13,267	18.4%	5,100	1.3	3.12
Juneau	7,381	30.8%	1,544	0.4	2.06
Kenosha	31,005	21.3%	12,395	3.1	7.23
Kewaunee	4,184	21.0%	742	0.2	1.19
La Crosse	27,510	27.0%	12,581	3.1	6.07
Lafayette	4,572	28.6%	366	0.1	1.42
Langlade	6,707	32.9%	4,469	1.1	1.13
Lincoln	7,247	25.2%	527	0.1	2.31
Manitowoc	16,312	19.9 %	3,746	0.9	4.53
Marathon	26,215	21.1%	19,338	4.8	3.93
Marinette	12,365	29.4%	3,687	0.9	3.22
Marquette	4,054	28.2%	1,202	0.3	1.05

Dentist FTEs Needed for Low-Income Pop. & Safety Net Clinics

County	# Pop < 200% FPL	% Pop < 200% FPL	# Total Paid Claims 2007	LI Dentist FTE	# Dentist FTEs needed for LI Pop
Menominee	2,706	60.3%	1,602	0.4	0.50
Milwaukee	297,565	32.5%	316,760	79.2	19.98
Monroe	12,559	31.4%	7,177	1.8	2.38
Oconto	8,667	24.6%	4,074	1.0	1.88
Oneida	9,552	26.6%	678	0.2	2.98
Outagamie	25,994	16.5%	8,401	2.1	6.56
Ozaukee	7,721	09.6%	1,200	0.3	2.27
Pepin	2,000	28.2%	107	0	0.66
Pierce	6,749	19.6%	836	0.2	2.04
Polk	9,536	23.5%	4,886	1.2	1.97
Portage	15,777	24.7%	9,606	2.4	2.85
Price	4,647	30.0%	1,162	0.3	1.24
Racine	39,586	21.5%	22,865	5.7	7.49
Richland	5,817	33.0%	1,581	0.4	1.53
Rock	31,416	21.1%	18,134	4.5	5.97
Rusk	5,427	36.4%	6,549	1.6	0.20
Saint Croix	8,673	13.9%	4,422	1.1	1.79
Sauk	12,705	23.4%	1,088	0.3	3.93
Sawyer	5,836	36.7%	3,332	0.8	1.14
Shawano	10,371	26.1%	6,558	1.6	1.85
Sheboygan	19,159	17.5%	3,845	1.0	5.38
Taylor	5,374	27.7%	0	0	1.79
Trempealeau	7,052	26.7%	2,298	0.6	1.75
Vernon	9,758	35.4%	2,819	0.7	2.55
Vilas	6,254	30.1%	197	0	2.08
Walworth	19,957	22.4%	1,488	0.4	6.25
Washburn	5,101	32.4%	700	0.2	1.50
Washington	13,876	11.9%	1,707	0.4	4.22
Waukesha	32,997	09.3%	21,583	5.4	5.59
Waupaca	11,932	23.9%	2,218	0.6	3.37
Waushara	6,716	29.4%	2,358	0.6	1.63
Winnebago	30,739	20.7%	6,767	1.7	8.54
Wood	16,866	22.6%	5,541	1.4	4.22