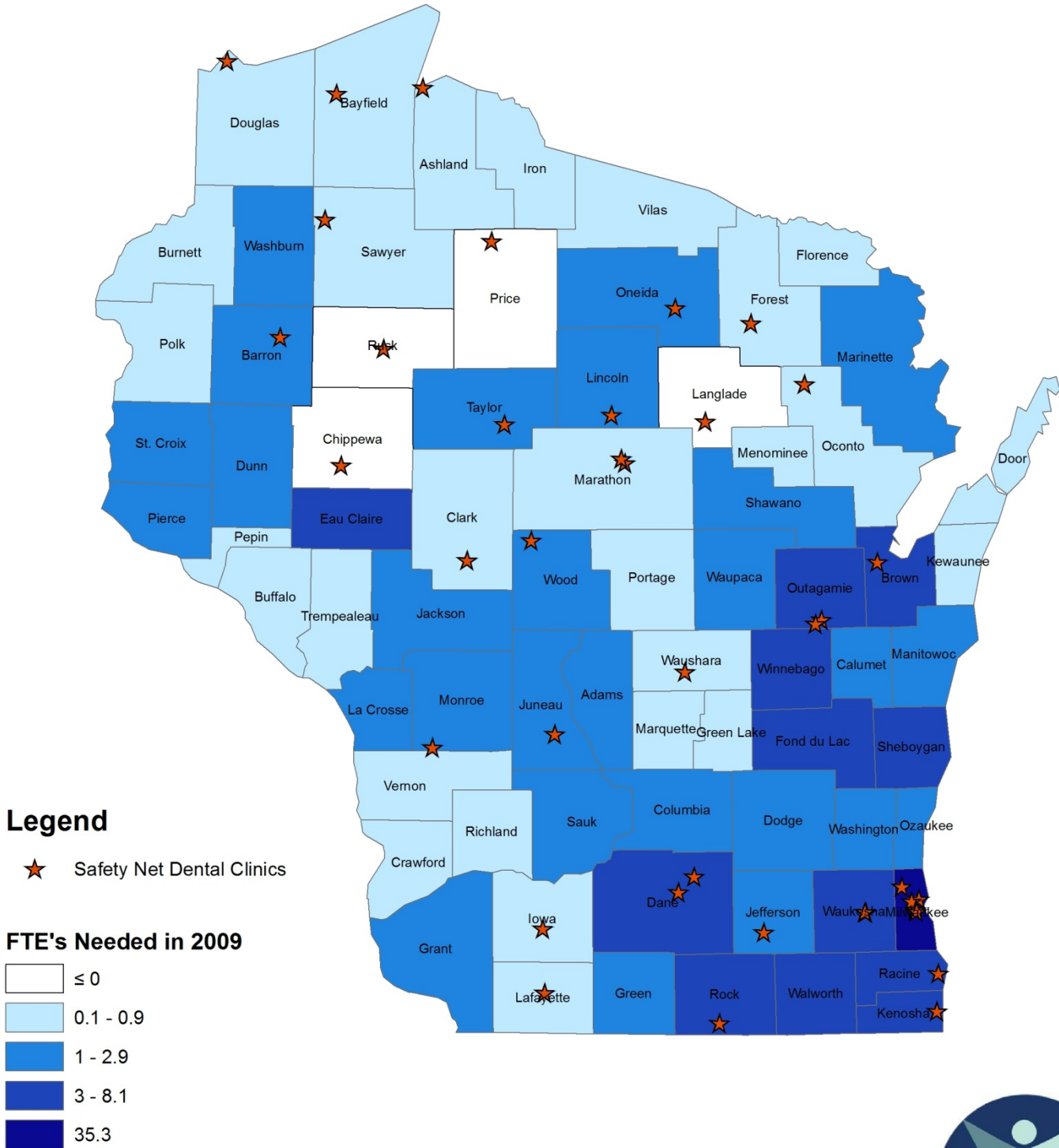


# Number of Dentist FTEs Needed to Reduce Significant Shortages for Medicaid Members

August, 2012



## Dentist FTEs Needed to Remove Significant Shortages for Medicaid Populations

### Map Notes:

- This map and data show the number of full-time equivalent dentists (dentist FTEs) that it would take to eliminate a significant dentist shortage for populations which were enrolled in Medicaid and were eligible for dental services for calendar year 2009. See data definitions below.
- Removing a significant shortage means having a ratio of 3,000 Medicaid-enrolled members to 1.0 FTE dentist or lower, as defined by the federal Office of Shortage Designation. Note: This is not an optimal population to dentist ratio.
- The threshold for federal designation of a dental low-income population Health Professional Shortage Area (HPSA – see data table) is a ratio of 4,000 low-income population to 1.0 dentist FTE or greater.
- There were four counties where there were 0 dentist FTEs providing dental services to Medicaid patients: Calumet, Florence, Lincoln, and Pepin.
- Data are not available to describe the total state dental workforce in detail or to describe dental access for the entire state or uninsured populations.
- County data are not reported on dentist FTEs who provide services to Medicaid patients, because the number of FTEs is very small and does not allow for the protection of provider privacy.
- The map also shows the location of “safety net” dental clinics as of June 2012 (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 for low-income populations and be most efficient.
- This data report and map were prepared by the Department of Health Services Primary Care Office and contracted staff at the Wisconsin Primary Health Care Association, and were funded in part by the Healthier Wisconsin Partnership Program, a component of the Advancing a Healthier Wisconsin endowment at the Medical College of Wisconsin.

### Data Definitions & Sources:

#### Dentist FTEs needed to reduce significant shortages for Medicaid-enrolled members:

- The number of dentist FTEs needed to reduce a significant shortage for Medicaid-enrolled members (MA) is calculated by using the same formula that the federal Office of Shortage Designation uses to calculate the number of dentists short in a designated dental Health Professional Shortage Area (HPSA).

<http://bhpr.hrsa.gov/shortage/hpsas/designationcriteria/dentalhpsacriteria.html>

Formula:

# Dentist FTEs to meet need for MA – # FTEs serving MA = # FTEs needed to reduce shortage for MA

#### Number of Medicaid enrolled Population:

- Number of individuals enrolled in Medicaid and eligible for dental services in 2009 (Wisconsin Forward Health enrollment data - 2009). July enrollment data were used as an average for 2009 because Medicaid enrollment increased considerably from January to December 2009.

<https://www.forwardhealth.wi.gov/WIPortal/portals/0/staticContent/Member/caseloads/481-case-load.htm>

#### Number of Dentist FTEs serving Medicaid-enrolled members:

- The dentist full-time equivalent (FTE) serving Medicaid-enrolled members is calculated by dividing the total number of paid Medicaid dental claims by 4,000 and rounded to one decimal point (federal formula used for dental HPSAs). The number of paid claims equal the number of unduplicated paid Medicaid claims (fee-for-service and HMO) for covered dental services provided to eligible Medicaid-enrollees by general or pediatric dentists during calendar year 2009 (Wisconsin Medicaid Program, June 2011 and April 2012). Claims are reported by place of service not patient address.

#### Safety Net Dental Clinics:

These include federally qualified health centers and discounted care clinics as of June 2012, which provide financial access to general and pediatric dental services for underserved populations in their service area and frequently surrounding counties. They serve patients covered by Medicaid/BadgerCare, Medicare, and charge no/minimal fee for patients below 100% and sliding fees for patients below 200% of federal poverty.

## Number of Dentists Needed to Reduce Significant Shortages for Medicaid Populations

(notes on last page)

County	# Dentist FTEs * needed to reduce sig. shortage for Medicaid members	# Medicaid-Enrolled Members	Dental HPSA status (as of June 2012)
Wisconsin	145.1	834,617	
Adams	1.2	3,947	County
Ashland	0.6	4,090	County
Barron	2.1	9,363	County
Bayfield	0.4	2,263	County
Brown	8.1	32,445	Inner City
Buffalo	0.3	2,025	Not elig – pov %
Burnett	0.7	2,999	County
Calumet	1.3	4,039	Not elig – pov %
Chippewa	-2.2	10,958	County
Clark	0.7	5,673	County
Columbia	1.9	6,463	Not elig – pov %
Crawford	0.8	3,060	County
Dane	5.5	46,155	Inner City
Dodge	2.5	10,129	Not elig – pov %
Door	0.9	3,458	Wash Is.
Douglas	0.9	8,352	County
Dunn	2.1	6,485	County
Eau Claire	3.2	15,282	County
Florence	0.3	761	County
Fond du Lac	3.4	12,364	Not elig – pov %
Forest	0.4	1,852	County
Grant	2	6,726	County
Green	1.3	4,910	Not elig – pov %
Green Lake	0.4	2,598	Not elig – pov %
Iowa	0.9	3,127	Not elig – pov %
Iron	0.2	1,368	County
Jackson	1.1	3,513	County
Jefferson	1.8	9,589	Not elig – pov %
Juneau	1.4	4,611	County
Kenosha	4.3	27,631	County
Kewaunee	0.7	2,397	Not elig – pov %
La Crosse	1.9	15,909	City
Lafayette	0.2	2,345	Not elig – pov %
Langlade	0	4,196	County
Lincoln	1.6	4,651	County
Manitowoc	2.4	10,623	Not elig – pov %

Dentist FTEs Needed to Remove Significant Shortages for Medicaid Populations

County	# Dentist FTEs * needed to reduce sig. shortage for Medicaid members	# Medicaid-Enrolled Members	Dental HPSA status (as of June 2012)
Marathon	0.6	18,743	Wausau
Marinette	1.5	7,531	County
Marquette	0.4	2,300	County
Menominee	0.3	1,768	Tribal health center
Milwaukee	35.3	224,697	Inner City
Monroe	1.9	6,968	County
Oconto	0.7	5,416	Not elig – pov %
Oneida	1.6	5,805	County
Outagamie	3.7	18,205	Not elig – pov %
Ozaukee	1.3	5,078	Not elig – pov %
Pepin	0.4	1,078	County
Pierce	1	3,521	Not elig – pov %
Polk	0.3	6,756	Not elig – pov %
Portage	0.2	8,641	County
Price	-1.1	3,130	County
Racine	7.2	32,441	Not elig – pov %
Richland	0.3	3,406	County
Rock	4.1	28,698	Beloit Inner City
Rusk	-1.9	3,515	County
St. Croix	1.1	7,495	Not elig – pov %
Sauk	2.4	8,282	Not elig – pov %
Sawyer	0.4	4,331	County
Shawano	1.1	6,435	Not elig – pov %
Sheboygan	4.2	14,819	Not elig – pov %
Taylor	1	3,580	County
Trempealeau	0.8	4,459	County
Vernon	0.8	4,697	County
Vilas	0.5	2,796	County
Walworth	4.1	13,277	Not elig – pov %
Washburn	1.1	3,816	County
Washington	2.9	10,630	Not elig – pov %
Waukesha	3.2	21,791	Inner City
Waupaca	1.9	7,867	County
Waushara	0.7	3,862	County
Winnebago	3.9	19,651	Not elig – pov %
Wood	1.9	12,775	Not elig – pov %

Table Notes:

*\*# FTEs needed to remove significant shortage:*

There is a zero or negative number of FTEs for four counties (Chippewa, Langlade, Price, Rusk) indicating that their population to dentist ratio is better than the threshold which defines a “significant shortage” for

Medicaid populations in the individual county. Each of these counties has a well-established dental clinic operated by a federally qualified health center. Although the data for these four counties does not show a significant dentist shortage for the individual county's Medicaid population, dentists in these health centers serve not only patients in their own county and but also serve patients from multiple surrounding counties. Thus, the reported zero or negative number of dentists needed overstates the availability of dentists in these four counties and understates the availability of dentists in surrounding counties.

**RED** – The area in **RED** will lose current HPSA status around October 1, 2012 because it did not qualify for re-designation during its required HPSA review in 2012.

*Dental Low-income population HPSA Status:*

To be eligible for federal designation of a low-income population dental HPSA, an area must have a low-income population to dentist ratio of 4,000 to 1.0 FTE or higher, and at least 30% of the area's population must be below 200% of the federal poverty level.

Table key:

- County or inner city - indicates the area with a current HPSA designation (see exception in RED).
- Tribal Health Center - indicates the area only has a facility HPSA for the Tribal Health Center's patients.
- Not elig – pov % - indicates the area is not eligible for a low-income population HPSA because less than 30% of the area's population has incomes below 200% of the federal poverty level. This is a federal requirement for designation as a low-income population HPSA and does not take into account the population to dentist ratio.

For information on provider recruitment and retention benefits that are linked with HPSA designation, see the Primary Care Office web page.

<http://www.dhs.wisconsin.gov/health/primarycare/ShortageDesignation3.htm>