

Map Notes:

- This map and data show the number of full-time equivalent psychiatrists (psychiatrist FTEs) that it would take to eliminate a significant psychiatrist shortage for the general population (resident civilians) based on calendar year 2011 data. See data definitions below.
- Removing a significant shortage means having a ratio of 10,000 population to 1.0 FTE psychiatrist or lower, as defined by the federal Office of Shortage Designation. Note: This is not an optimal ratio.
- The threshold for federal designation of a mental health Health Professional Shortage Area (HPSAs – see data table) is a ratio of 20,000 population to 1.0 psychiatrist FTE or greater.
- There were 16 counties which reported 0 psychiatrist FTEs providing on-site outpatient care: Buffalo, Burnett, Chippewa, Florence, Forest, Green Lake, Iron, Kewaunee, Lincoln, Pepin, Price, Richland, Rusk, Trempealeau, Washburn and Waupaca.
- Data are not available to describe shortages of other types of providers in the state mental health workforce or to describe access to mental health care for the entire state population.
- Data are not reported for the number of psychiatrist FTEs by county, because the number of FTEs is very small for most counties and does not allow for the protection of provider privacy.
- Specific data limitations: It was not possible to collect comprehensive data for Dane County or for all of Milwaukee and Racine Counties due to higher priority needs to complete a large number of annual HPSA reviews and because these whole counties would not be eligible for a mental health HPSA. See the data table notes for more detail.
- The map and data are intended to help identify areas of the state where safety net clinic expansion can most efficiently help improve access to mental health care for low-income and uninsured populations.
- 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.
- More information on federally designated mental health HPSAs and HPSA-linked benefits is available on the Wisconsin Primary Care Office web site.
<http://dhs.wisconsin.gov/health/primarycare/ShortageDesignation.htm>

Data Definitions & Sources:

Psychiatrist FTEs needed to reduce significant shortages:

- The number of psychiatrist FTEs needed to reduce a significant shortage for the resident civilian population is calculated by using the same formula that the federal Office of Shortage Designation uses to calculate the number of psychiatrists short for a designated mental health HPSA.
<http://bhpr.hrsa.gov/shortage/hpsas/designationcriteria/mentalhealthhpsacriteria.html>

$$\# \text{ psychiatrist FTEs to meet needs for resident civilian population} - \# \text{ psychiatrist FTEs providing care} \\ = \text{ FTEs needed to reduce shortage (map)}$$

Resident Civilian Population:

The total number of people who are “usually resident” in an area, and does not include Armed Forces personnel who are outside the U.S. or inmates of institutions (2006-2010 American Community Survey 5-Year Estimates Table B17001, and Claritas 2004 estimates for Racine inner-city and Claritas 2009 estimates for Milwaukee inner-city).

Psychiatrist FTEs providing outpatient care:

This is the number of full-time equivalent general, adult and child/adolescent psychiatrists (MDs and DOs) who provided face-to-face mental health care to patients in an outpatient setting, and does not include telehealth or inpatient care, administration, teaching or research time. This psychiatrist FTE data was collected by the Wisconsin Primary Care Office from late 2009 to early 2012, using a telephone survey of clinics and county human service agencies that provide outpatient mental health care.

Number of Psychiatrists Needed to Reduce Significant Shortage

(notes on last page)

County	# Psychiatrist FTEs * needed to reduce sig. shortage	Resident Civilian Population	Mental Health HPSA status (as of June 2012)
<i>Wisconsin **</i>	N/A	5,486,658	
Adams	1.8	19,646	County
Ashland	0.6	15,541	Not elig - # psych
Barron	2.3	45,396	County
Bayfield	1.4	14,655	County
Brown	8.5	236,714	Not elig - # psych
Buffalo	1.4	13,657	Not elig - contiguous
Burnett	1.5	15,380	County
Calumet	4.6	47,493	Not elig - contiguous
Chippewa	6.0	60,292	Not elig - contiguous
Clark	3.2	33,933	County
Columbia	4.6	54,387	County
Crawford	1.3	16,056	County
Dane **	0.0	464,510	Not elig - # psych
Dodge	5.5	81,526	County
Door	1.9	27,724	County
Douglas	4.0	42,189	County
Dunn	3.2	39,849	<i>County</i>
Eau Claire	0.7	92,416	Not elig - # psych
Florence	0.5	4,511	County
Fond du Lac	3.0	98,347	Not elig - # psych
Forest	0.9	9,215	County
Grant	4.0	46,753	County
Green	0.3	35,984	Not elig - # psych
Green Lake	1.9	19,036	Not elig - contiguous
Iowa	2.1	23,449	County
Iron	0.6	5,840	County
Jackson	1.3	18,871	County
Jefferson	5.6	80,253	County
Juneau	2.5	26,600	County
Kenosha	10.5	160,047	Not elig - contiguous
Kewaunee	2.0	20,369	County
La Crosse	-0.7	107,543	Not elig - # psych
Lafayette	1.4	16,577	County
Langlade	1.2	19,775	County
Lincoln	2.9	28,553	County
Manitowoc	7.2	80,370	County
Marathon	9.5	130,865	County
Marinette	2.7	40,112	County

Psychiatrist FTEs Needed to Remove Significant Shortages by County

County	# Psychiatrist FTEs * needed to reduce sig. shortage	Resident Civilian Population	Mental Health HPSA status (as of June 2012)
Marquette	1.3	15,324	County
Menominee	0.2	4,251	County
Milwaukee Inner City **	17.8	350,243	Inner City**
Monroe	4.1	43,524	County
Oconto	3.5	37,280	County
Oneida	-0.1	35,415	County
Outagamie	10.2	171,629	Not elig - contiguous
Ozaukee	4.1	84,941	Not elig - contiguous
Pepin	0.7	7,336	County
Pierce	3.6	37,791	Not elig - contiguous
Polk	1.9	43,821	County
Portage	4.4	65,720	Not elig - contiguous
Price	1.4	14,156	County
Racine Inner City **	-4.5	19,261	Inner City**
Richland	1.8	18,002	County
Rock	10.2	156,695	Beloit & Janesville
Rusk	1.5	14,531	County
Saint Croix	7.2	81,763	Not elig - contiguous
Sauk	4.5	60,179	County
Sawyer	1.3	16,277	County
Shawano	3.4	40,957	County
Sheboygan	7.3	111,879	Being reviewed
Taylor	1.9	20,333	County
Trempealeau	2.8	27,869	County
Vernon	2.5	28,969	County
Vilas	2.1	21,553	County
Walworth	8.2	98,813	County
Washburn	1.5	15,042	County
Washington	10.1	129,170	Not elig - contiguous
Waukesha	22.9	381,495	Not elig - contiguous
Waupaca	5.1	50,725	County
Waushara	2.0	23,248	County
Winnebago	2.2	155,133	Not elig - # psych
Wood	2.9	73,782	Not elig - # psych

Table Notes:

* # FTEs needed to remove significant shortage:

There is a negative number of FTEs for three areas: Racine inner-city, La Crosse and Oneida counties. This indicates that their population to psychiatrist ratio is better than the threshold which defines a “significant shortage” for their area. Although the data for these three areas does not show a significant psychiatrist shortage for the area, psychiatrists in these areas very likely serve patients from surrounding areas. Thus, the reported negative number of psychiatrists needed is likely to

overstate the availability of psychiatrist services in these three areas and understate the availability of psychiatrist services in surrounding areas.

** Data limitations: For certain counties, data collection was limited to certain areas. The population and psychiatrist data reported are for the following areas:

- Dane County - data are not available due to a very large number of psychiatrists
- Racine City – data are for census tracts 1-5 in the inner-city
- Milwaukee City - data for census tracts in the “Near North”, “Upper North”, and “Inner City South” mental health HPSA service areas. For a complete listing of these census tracts, use HRSA’s on-line HPSA database available at: <http://hpsafind.hrsa.gov/> and select Wisconsin, Milwaukee County, and Mental Health.
- # Psychiatrist FTEs needed for the state as a whole is not available because of incomplete FTE data for the three counties listed above.

RED – Areas in **RED** will lose current HPSA status around October 1, 2012 because they did not qualify for re-designation during their required HPSA review in 2012.

Mental health HPSA status:

To be eligible for federal designation as a mental health HPSA, an area must have a population to psychiatrist ratio of 20,000: 1.0 FTE or higher and must lack access to psychiatrists in contiguous (surrounding) areas.

Table key:

- County or inner city indicates the area with a current mental health HPSA designation (see exceptions in **RED**).
- Not elig - # psych: indicates the area is not eligible for a HPSA because the area’s population to psychiatrist ratio is less than 20,000 population to 1.0 psychiatrist (HPSA threshold).
- Not elig – contiguous: indicates the area is not eligible for a HPSA because there are psychiatrists available in a contiguous/surrounding area within a 40 minute travel time.
- Being reviewed – Sheboygan county is currently being reviewed to determine if it qualifies for designation as a new mental health HPSA.

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>