

Memorandum

OSHPD

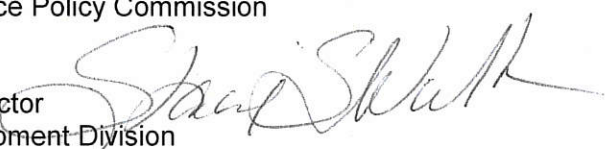
State of California

"Access to Safe, Quality Healthcare Environments that Meet California's Dynamic and Diverse Needs"

Date: February 28, 2018

To: California Healthcare Workforce Policy Commission

From: Stacie S. Walker, Deputy Director
Healthcare Workforce Development Division
Office of Statewide Health Planning and Development



Subject: Registered Nurse Shortage Areas (Update) Report

Recommendation

In 2007, the California Healthcare Workforce Policy Commission (Commission) adopted criteria for establishing Registered Nurse Shortage Areas (RNSA) using the number of active, licensed registered nurses (RN) and patient volume data. The Office of Statewide Health Planning and Development (OSHPD) updated the RNSA list by applying the criteria to 2016 RN data and 2016 census day data for general acute care hospitals and patient day data for long-term care facilities.

Recommended Motion

OSHPD recommends the Commission adopt the revised RNSA list based on 2016 RN data and 2016 census day data for general acute care hospitals and patient day data for long-term care facilities.

Background and Methodology

The Commission augments RNSAs with additional information to inform Registered Nurse Program funding decisions. Staff develop RNSAs by calculating a ratio¹ for counties based on three factors:

1. OSHPD long-term care facilities (LTC) patient day data.
2. Department of Consumer Affairs, Board of Registered Nursing (BRN) California active licensee data².
3. OSHPD general acute care hospitals (GAC) census day data³.

Counties receive the RNSA designation when the county's ratio is greater than the total average or when there are no facilities in a county.

¹ Staff calculates the ratio by dividing the number of LTC patient days multiplied by 0.08, plus the number of GAC census days by the number of RNs in a specific county. Staff calculates the average ratio by dividing the sum of the ratios for all counties by 58, the number of California counties.

² Source: Department of Consumer Affairs, Board of Registered Nursing, County Projections for Clear Registered Nurse (RN) Licenses as of December 31, 2016.

³ Source: Office of Statewide Health Planning and Development, Healthcare Information Division (HID) Data Products. <http://www.oshpd.ca.gov/HID/DataFlow/index.html> 2016.

Results

Staff assigned an RNSA designation to counties with a ratio greater than 39.41. Del Norte, Humboldt, Lake, and Trinity counties gained designation and Colusa, Riverside, and Tuolumne counties lost designation with this update.

Table 1 lists the counties alphabetically, patient days for LTC facilities, patient census days for GAC hospitals, the count of active registered nurses per county, the designation ratio, and designation status:

Table 1

County	2016 LTC Patient Days	2016 GAC Census Days	2016 BRN Count	Ratio	Designated
Alameda	1,639,430	559,814	14,894	46.39	Yes
Alpine	0	0	15	0.00	Yes
Amador	35,639	8,852	302	38.75	No
Butte	298,754	132,718	2,650	59.10	Yes
Calaveras	32,172	3,640	428	14.52	No
Colusa	22,726	0	59	30.81	No
Contra Costa	943,044	314,868	12,878	30.31	No
Del Norte	26,134	8,080	216	47.09	Yes
El Dorado	88,824	27,725	2,445	14.25	No
Fresno	942,466	435,228	9,051	56.42	Yes
Glenn	25,412	702	118	23.18	No
Humboldt	127,056	47,861	1,406	41.27	Yes
Imperial	77,155	38,533	991	45.11	Yes
Inyo	28,511	2,851	187	27.44	No
Kern	478,906	261,443	5,759	52.05	Yes
Kings	95,718	43,964	947	54.51	Yes
Lake	79,226	11,851	436	41.72	Yes
Lassen	18,672	3,178	228	20.49	No
Los Angeles	16,639,243	4,481,032	79,977	72.67	Yes
Madera	134,783	95,671	915	116.34	Yes
Marin	306,086	75,546	3,423	29.22	No
Mariposa	0	608	142	4.28	No
Mendocino	75,313	22,045	753	37.28	No
Merced	226,781	52,697	1,295	54.70	Yes
Modoc	0	564	44	12.82	No
Mono	0	1,403	97	14.46	No
Monterey	326,054	132,824	3,082	51.56	Yes
Napa	236,399	57,615	2,300	33.27	No
Nevada	130,262	22,793	1,198	27.72	No
Orange	2,369,238	1,114,422	28,990	44.98	Yes

County	2016 LTC Patient Days	2016 GAC Census Days	2016 BRN Count	Ratio	Designated
Placer	363,620	185,163	6,265	34.20	No
Plumas	0	2,814	154	18.27	No
Riverside	1,401,189	673,527	20,170	38.95	No
Sacramento	1,200,007	669,970	14,516	52.77	Yes
San Benito	0	6,607	393	16.81	No
San Bernardino	1,510,168	869,867	19,476	50.87	Yes
San Diego	2,755,479	1,264,350	32,768	45.31	Yes
San Francisco	384,266	550,448	8,053	72.17	Yes
San Joaquin	853,355	214,131	5,778	48.87	Yes
San Luis Obispo	222,970	68,294	3,274	26.31	No
San Mateo	345,645	153,408	8,783	20.61	No
Santa Barbara	346,776	139,522	3,091	54.11	Yes
Santa Clara	1,631,160	751,873	15,351	57.48	Yes
Santa Cruz	246,012	70,760	3,041	29.74	No
Shasta	277,957	107,444	2,302	56.33	Yes
Sierra	0	0	22	0.00	Yes
Siskiyou	14,412	7,455	384	22.42	No
Solano	239,138	142,303	6,169	26.17	No
Sonoma	510,456	148,383	5,551	34.09	No
Stanislaus	477,434	291,465	4,733	69.65	Yes
Sutter	114,209	6,790	780	20.42	No
Tehama	36,229	8,844	385	30.50	No
Trinity	0	2,652	62	42.77	Yes
Tulare	428,724	145,709	3,238	55.59	Yes
Tuolumne	69,040	19,457	669	37.34	No
Ventura	526,759	254,148	8,158	36.32	No
Yolo	206,152	19,968	1,508	24.18	No
Yuba	21,930	47,921	411	120.86	Yes

Table 2 lists the counties by ratio.

Table 2

County	2016 LTC Patient Days	2016 GAC Census Days	2016 BRN Count	Ratio	Designated
Yuba	21,930	47,921	411	120.86	Yes
Madera	134,783	95,671	915	116.34	Yes
Los Angeles	16,639,243	4,481,032	79,977	72.67	Yes
San Francisco	384,266	550,448	8,053	72.17	Yes
Stanislaus	477,434	291,465	4,733	69.65	Yes
Butte	298,754	132,718	2,650	59.10	Yes
Santa Clara	1,631,160	751,873	15,351	57.48	Yes
Fresno	942,466	435,228	9,051	56.42	Yes
Shasta	277,957	107,444	2,302	56.33	Yes
Tulare	428,724	145,709	3,238	55.59	Yes
Merced	226,781	52,697	1,295	54.70	Yes
Kings	95,718	43,964	947	54.51	Yes
Santa Barbara	346,776	139,522	3,091	54.11	Yes
Sacramento	1,200,007	669,970	14,516	52.77	Yes
Kern	478,906	261,443	5,759	52.05	Yes
Monterey	326,054	132,824	3,082	51.56	Yes
San Bernardino	1,510,168	869,867	19,476	50.87	Yes
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El Dorado	88,824	27,725	2,445	14.25	No
Modoc	0	564	44	12.82	No
Mariposa	0	608	142	4.28	No
Alpine	0	0	15	0.00	Yes
Sierra	0	0	22	0.00	Yes

Registered Nurse Shortage Areas (RNSA) by County Using the Mean as the Analytical Unit



Sources:
Board of Registered Nursing Data 2016
OSHPD Long-Term Care Patient Day and General Acute
Care Hospital Census Day Data 2016

The RNSA is updated annually; therefore, counties may gain or lose their designation status with each update.