



INDIANA'S REGISTERED NURSE WORKFORCE GEOGRAPHIC DATA REPORT

BOWEN CENTER FOR HEALTH WORKFORCE RESEARCH AND POLICY // MARCH 2022



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INTRODUCTION

BACKGROUND

Indiana health workforce data are important for identifying workforce shortages and informing workforce development strategies and policy and programming initiatives. Over the last several years, significant strides have been made for collecting comprehensive, accurate and timely workforce data which are maintained for longitudinal workforce tracking. This effort has contributed to collaborative dialogue regarding health workforce policy and planning.

This report serves as a companion to the 2019 Indiana Registered Nurse (RN) Data Report and provides a summary of the geographic distribution and supply of Indiana-licensed RNs in the 2019 reporting sample. Only those who reported having a primary practice in Indiana were included in the geographic analysis

METHODOLOGY

DATA COLLECTION

See the 2019 Indiana RN Workforce Data report for a comprehensive summary of data collection and management procedures. During administration of the supplemental licensure survey during the 2019 license renewal period, RNs were able to provide information regarding the county and ZIP code of their clinical practices. In the 2019 supplemental survey, RNs were able to report two practice locations, but were able to only provide information regard hours in patient care for their primary practice.

DATA MANAGEMENT PROCEDURES

Verification and geocoding of license addresses occurred through services provided by Melissa Data. Results from this geocoding procedure include the generation of geographical coordinates for each license address, as well as census tract and county assignment. Verification of reported practice locations occurred through formatting of reported ZIP codes and practice counties. These formatted data fields were used for county-level aggregation of RN supply and capacity.

In order to more accurately represent the level of urbanization for each Indiana County, this report will use the Rural-Urban Continuum Codes (RUCC) which are delineated by the U.S. Department of Agriculture. This continuum consists of the 9 levels of urbanization. Table 1 below outlines the definition of each RUCC code and the Indiana Counties that fall into each code. Figure 1 also provides a visual geographic distribution of the RUCC code in the State of Indiana.

Table 1. Definition of Rural-Urban Continuum Codes

Metro/Nonmetro	Level	Definition
Metro	1	County in metro area of 1 million population or more
	2	County in metro areas of 250,000 to 1 million population
	3	County in metro area of fewer than 250,000 population
Nonmetro	4	Urban population of 20,000 or more, adjacent to a metro area
	5	Urban population of 20,000 or more, not adjacent to a metro area
	6	Urban population of 2,500 to 19,999, adjacent to a metro area
	7	Urban population of 2,500 to 19,999, not adjacent to a metro area
	8	Completely rural or less than 2,500 urban population, adjacent to a metro area
	9	Complete rural or less than 2,500 urban population, not adjacent to a metro area

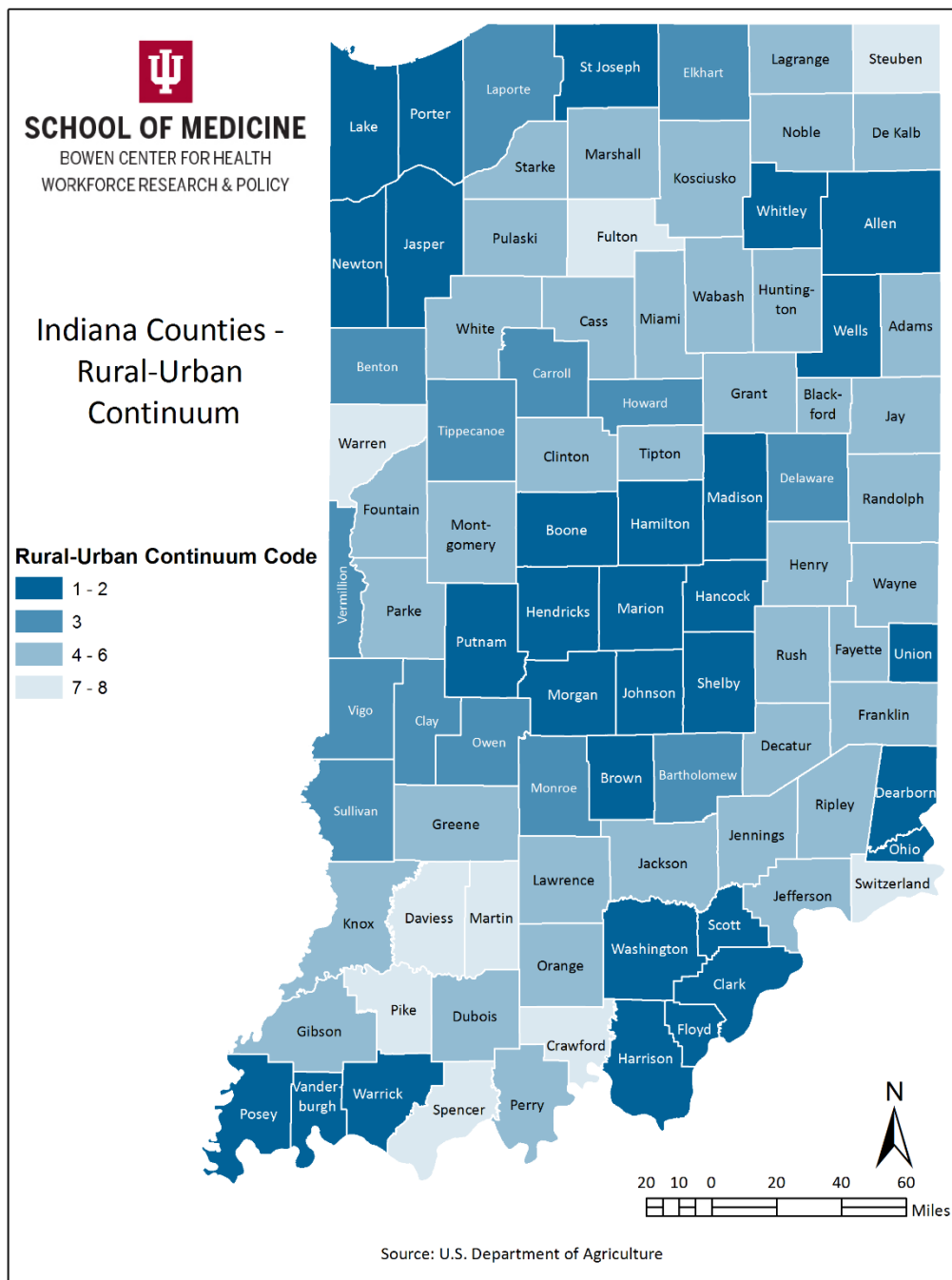


Figure 1. Geographic distribution of the Rural-Urban Continuum in Indiana

LIMITATIONS

As with the 2019 Indiana RN Workforce Data Report, there are key limitations to this report. First, information presented is largely based on self-reported data which introduces the potential for some level of response bias or inaccurate location of a practice address. Additionally, RNs were only asked to estimate their total hours in patient care for their primary practice location. Therefore, this report does not account for the capacity of RNs at their secondary practice; however, very few RNs reported having a second practice address.

REPORT STRUCTURE

This report includes two sections of summary data:

Section II – Total Registered Nurses Located in Indiana will provide a summary of the geographic supply of all Indiana-licensed RNs who reported having a practice located in Indiana.

Section II – Advanced Practice Registered Nurses (APRNs) Located in Indiana will provide a summary of the geographic supply of all Indiana-licensed APRNs who reported having a practice address in Indiana.

The 2019 Registered Nurse Workforce Geographic Data Report provides key information on Indiana's RN workforce. Additional data can be requested online at www.bowenportal.org.

SECTION I: TOTAL REGISTERED NURSES LOCATED IN INDIANA

RURAL-URBAN CONTINUUM

Of the 81,539 RNs who were included in the 2019 reporting sample, 77,015 (94.5%) were identified as having a primary practice located within Indiana. When examining the geographic distribution of RNs in Indiana, a clear disparity in supply can be seen. In metro counties the average number of RNs is around 1,375, nearly six times the number found in nonmetro counties (199.1). Similarly, the average RN FTE in metro counties (1,203) is around 7 times the average FTE found in the nonmetro counties (170.8).

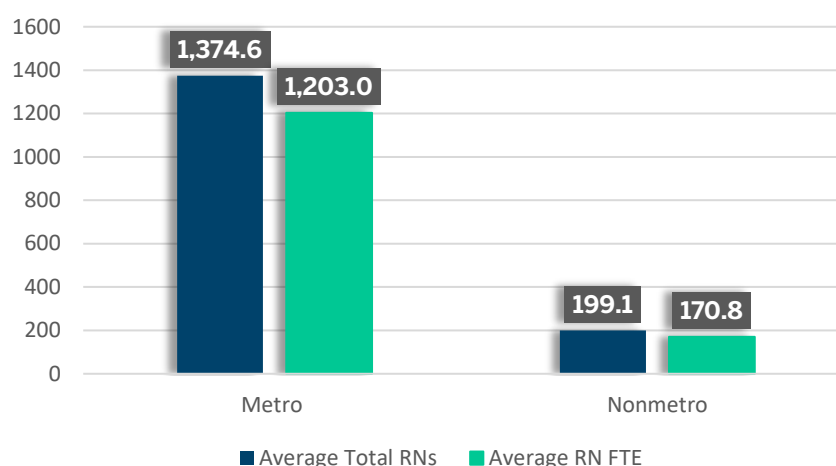


Figure 1.1 Average RN Supply by county RUCC

COUNTY LEVEL SUPPLY AND CAPACITY

As can be seen in Table 1.1 below, at least one RN is located in every Indiana County. However, as was also demonstrated in Figure 1.1, a high number of RNs are located in metropolitan counties such as Allen County (n=6,548), Lake County (n=6,219) and Marion County (n=18,237). These counties also have population-to-provider FTE ratios (PPRs) which are less than 100:1. On the other hand, non-metropolitan counties, such as Crawford County [n=11], Newton County [n=14] and Ohio County [n=3]), have a low number of RNs practicing in these regions, which also leads to high PPRs (Crawford: 1,429.3:1; Newton: 1,006.04:1; Ohio: 1,958.3:1).

Table 1.1. Geographic supply and distribution of RNs who reported having a practice located in Indiana

County	Population	RUCC	Total Registered Nurses	Total RN FTE	Population to RN FTE
Adams	35,777	6	225	192.1	186.24
Allen	379,299	2	6,548	6524.7	58.13
Bartholomew	83,779	3	887	757.5	110.60
Benton	8,748	3	12	11.0	795.27
Blackford	11,758	6	60	51.7	227.43
Boone	67,843	1	362	316.4	214.42
Brown	15,092	1	39	33.1	455.95
Carroll	20,257	3	39	35.1	577.12
Cass	37,689	4	309	285.1	132.20
Clark	118,302	1	932	819.2	144.41
Clay	26,225	3	97	87.2	300.75
Clinton	32,399	6	117	99.1	326.93

Table 1.1. Geographic supply and distribution of RNs who reported having a practice located in Indiana

County	Population	RUCC	Total Registered Nurses	Total RN FTE	Population to RN FTE
Crawford	10,577	8	11	7.4	1,429.32
Daviess	33,351	7	264	229.3	145.45
Dearborn	49,458	1	348	305.2	162.05
Decatur	26,559	6	192	171.8	154.59
Dekalb	43,475	4	248	209.8	207.22
Delaware	114,135	3	1,346	1181.1	96.63
Dubois	42,736	5	717	627.3	68.13
Elkhart	206,341	3	1,838	1593.7	129.47
Fayette	23,102	6	106	96.3	239.90
Floyd	78,522	1	1,287	1110.3	70.72
Fountain	16,346	6	32	26.3	621.52
Franklin	22,758	6	71	59.8	380.57
Fulton	19,974	7	142	120.1	166.31
Gibson	33,659	6	170	146.4	229.91
Grant	65,769	4	680	498.4	131.96
Greene	31,922	6	164	146.8	217.45
Hamilton	338,011	1	2,970	2455.5	137.65
Hancock	78,168	1	439	389.8	200.53
Harrison	40,515	1	228	196.9	205.76
Hendricks	170,311	1	1,394	1195.1	142.51
Henry	47,972	4	342	297.2	161.41
Howard	82,544	3	970	848.6	97.27
Huntington	36,520	6	207	173.7	210.25
Jackson	44,231	4	397	346.3	127.72
Jasper	33,562	1	147	119.3	281.32
Jay	20,436	6	120	104.8	195.00
Jefferson	32,308	6	341	306.6	105.38
Jennings	27,735	6	94	81.4	340.72
Johnson	158,167	1	897	778.2	203.25
Knox	36,594	5	640	564.4	64.84
Kosciusko	79,456	4	451	384.4	206.70
LaPorte	109,888	3	986	844.3	130.15
LaGrange	39,614	6	136	117.0	338.58
Lake	485,493	1	6,219	5310	91.43
Lawrence	45,370	6	296	254.5	178.27
Madison	129,569	1	1,163	1015.9	127.54
Marion	964,582	1	18,237	15849.5	60.86
Marshall	46,258	6	369	306.2	151.07
Martin	10,255	7	23	20.4	502.70
Miami	35,516	6	148	126.5	280.76
Monroe	148,431	3	1,614	1385.2	107.15
Montgomery	38,338	6	203	176.8	216.84
Morgan	70,489	1	351	298.7	235.99
Newton	13,984	1	14	13.9	1,006.04
Noble	47,744	6	232	200.7	237.89
Ohio	5,875	1	3	3.0	1,958.33
Orange	19,646	6	85	71.4	275.15
Owen	20,799	3	26	23.4	888.85
Parke	16,937	6	29	22.6	749.42

Table 1.1. Geographic supply and distribution of RNs who reported having a practice located in Indiana

County	Population	RUC	Total Registered Nurses	Total RN FTE	Population to RN FTE
Perry	19,169	6	105	88.7	216.11
Pike	12,389	8	33	27.8	445.65
Porter	170,389	1	1,135	933.2	182.59
Posey	25,427	2	38	32.0	794.59
Pulaski	12,353	6	80	69.9	176.72
Putnam	37,576	1	138	115.6	325.05
Randolph	24,665	6	100	88.4	279.02
Ripley	28,324	6	198	172.2	164.48
Rush	16,581	6	77	62.9	263.61
Scott	23,873	1	101	88.4	270.06
Shelby	44,729	1	259	235.7	189.77
Spencer	20,277	8	52	42.9	472.66
St. Joseph	271,826	2	2,521	2123.8	127.99
Starke	22,995	6	64	52.6	437.17
Steuben	34,594	7	154	131.3	263.47
Sullivan	20,669	3	109	93.0	222.25
Switzerland	10,751	8	13	10.7	1,004.77
Tippecanoe	195,732	3	1,604	1404.8	139.33
Tipton	15,148	6	69	60.4	250.79
Union	7,054	1	9	7.4	953.24
Vanderburgh	181,451	2	2,372	2013.9	90.10
Vermillion	15,498	3	60	52.8	293.52
Vigo	107,038	3	1,296	1132.1	94.55
Wabash	30,996	6	141	120.7	256.80
Warren	8,265	8	27	23.0	359.35
Warrick	62,998	2	1,037	863.7	72.94
Washington	28,036	1	75	65.0	431.32
Wayne	65,884	5	709	629.7	104.63
Wells	28,296	2	151	120.8	234.24
White	24,102	6	112	96.5	249.76
Whitley	33,964	2	183	149.3	227.49

Source: 2019 RN License and Supplemental Survey Data; Annual Estimates of the Resident Population for Counties in Indiana: April 1, 2010 to July 1, 2019 (CO-EST2019-ANNRES-18)

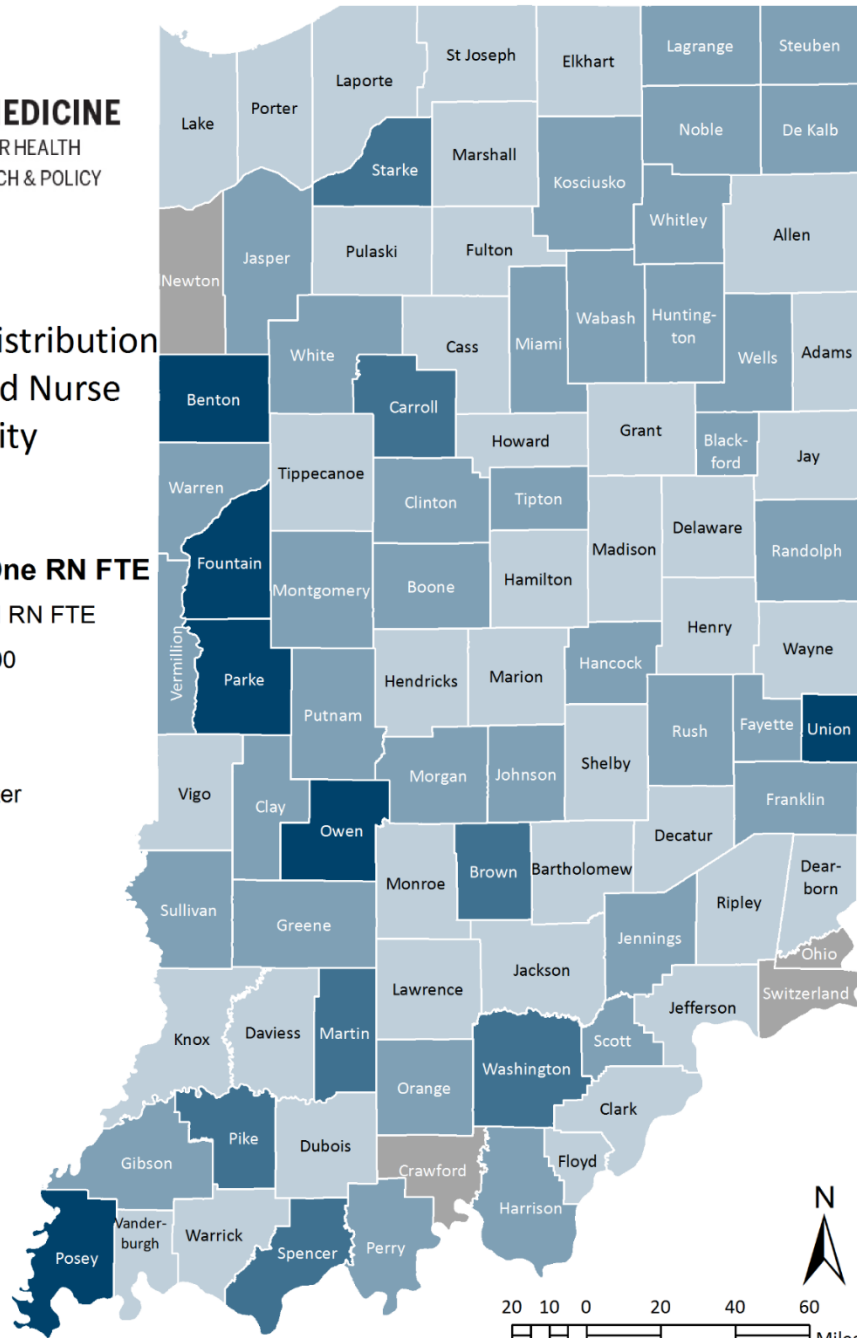


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Geographic Distribution of Registered Nurse Capacity

Population to One RN FTE

- No Reported RN FTE
- Less than 200
- 200 - 399
- 400 - 599
- 600 or Greater



Sources: 2019 Registered Nurse License and Supplemental Survey Data; Annual Estimates of the Resident Population of Counties in Indiana: April 1, 2010 to July 1, 2019 (CO-EST2019-ANNRES-18)
 Notes: Population to provider FTE ratios cannot be calculated for counties with no reported provider FTE.

Figure 1.2 Geographic distribution of RN capacity

SECTION II: ADVANCED PRACTICE REGISTERED NURSES LOCATED IN INDIANA

RURAL-URBAN CONTRINUUM

Of the total 7,746 APRNs in the 2019 reporting sample, 6,897 (89.0%) reported having a primary practice in Indiana. As with the total RN workforce, a large disparity in the supply of APRNs is found between metro and nonmetro counties. For instance, the average number of APRNs in a metro county (134.3) is over six times the average number of APRNs in a nonmetro county (20.6). Similarly, the average APRN FTE in a metro county is nearly 6.5 times the average APRN FTE in a nonmetro county. Figure 2.1 demonstrates the differences in APRN supply in metro and nonmetro counties.

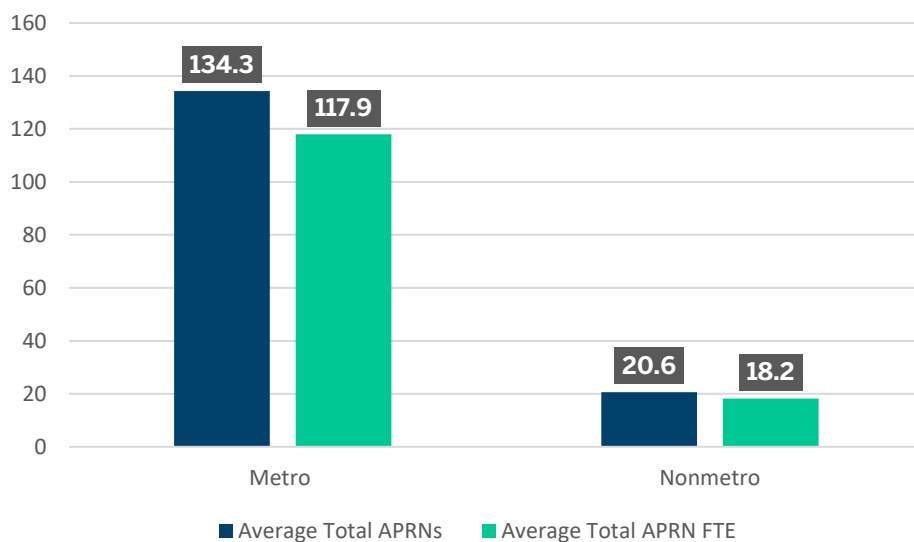


Figure 2.1 Average total APRN count and FTE for metro and nonmetro counties

COUNTY LEVEL SUPPLY AND CAPACITY

Of the 7,746 advanced practice registered nurses (APRNs) who were included in the 2019 reporting sample, 7,266 (93.8%) were identified as having at least one practice located within Indiana. As can be seen in Table 2.1 below, at least one APRN is located in all but two Indiana Counties (Crawford County and Ohio County). Unsurprisingly, the highest number of APRNs was found in Marion County (n=1,696), which encompasses the capital city of Indianapolis.

When examining the supply and capacity of APRNs based on their reported role, nurse practitioners, which make up the largest proportion of APRNs (86.3%), were found to have the widest supply and capacity distribution among 90 Indiana counties. Clinical Nurse Specialists (CNS) and Certified Nurse Midwives (CNM) reported having a primary practice in less than half of Indiana's 92 counties (35 and 31 counties, respectively). Certified Registered Nurse Anesthetists had a reported primary practice in 54 counties. Figure 2.2 displays the geographic distribution of total APRN supply in Indiana.

Table 2.1 Geographic distribution of APRNs who reported having a practice located in Indiana

County	Population	All APRNs			Nurse Practitioners			Clinical Nurse Specialists			Certified Nurse Midwives			Certified Registered Nurse Anesthetists		
		N	Total FTE	PPR	N	Total FTE	PPR	N	Total FTE	PPR	N	Total FTE	PPR	N	Total FTE	PPR
Adams	35,777	21	18.9	1,893.0	14	12.1	2,956.8	0	0.0	—	2	2.0	17,888.5	1	1.0	35,777.0
Allen	379,299	585	506.1	749.5	515	447.0	848.5	23	18.8	20,175.5	7	6.5	58,353.7	25	22.8	16,635.9
Bartholomew	83,779	101	88.7	944.5	87	76.6	1,093.7	7	6.5	12,889.1	2	1.1	76,162.7	0	0.0	—
Benton	8,748	2	1.8	4,860.0	2	1.8	4,860.0	0	0.0	—	0	0.0	—	0	0.0	—
Blackford	11,758	6	5.4	2,177.4	4	3.9	3,014.9	0	0.0	—	0	0.0	—	1	0.5	23,516.0
Boone	67,843	36	30.3	2,239.0	33	27.5	2,467.0	1	0.8	84,803.8	0	0.0	—	0	0.0	—
Brown	15,092	4	3.0	5,030.7	4	3.0	5,030.7	0	0.0	—	0	0.0	—	0	0.0	—
Carroll	20,257	16	14.4	1,406.7	16	14.4	1,406.7	0	0.0	—	0	0.0	—	0	0.0	—
Cass	37,689	30	27.7	1,360.6	29	26.8	1,406.3	0	0.0	—	0	0.0	—	0	0.0	—
Clark	118,302	118	100.0	1,183.0	108	91.8	1,288.7	0	0.0	—	4	3.0	39,434.0	2	2.0	59,151.0
Clay	26,225	11	10.8	2,428.2	11	10.8	2,428.2	0	0.0	—	0	0.0	—	0	0.0	—
Clinton	32,399	14	11.9	2,722.6	13	10.9	2,972.4	0	0.0	—	0	0.0	—	1	1.0	32,399.0
Crawford	10,577	0	0.0	—	0	0.0	—	0	0.0	—	0	0.0	—	0	0.0	—
Daviess	33,351	28	23.5	1,419.2	25	20.8	1,603.4	0	0.0	—	0	0.0	—	2	1.7	19,618.2
DeKalb	43,475	23	16.2	2,683.6	20	13.9	3,127.7	1	0.8	54,343.8	2	1.5	28,983.3	0	0.0	—
Dearborn	49,458	33	29.9	1,654.1	23	21.0	2,355.1	0	0.0	—	1	1.0	49,458.0	8	6.9	7,167.8
Decatur	26,559	19	17.9	1,483.7	16	15.0	1,770.6	1	1.0	26,559.0	0	0.0	—	1	0.9	29,510.0
Delaware	114,135	115	107.0	1,066.7	107	99.2	1,150.6	3	2.9	39,356.9	0	0.0	—	1	1.0	114,135.0
Dubois	42,736	58	52.9	807.9	41	36.6	1,167.7	0	0.0	—	0	0.0	—	15	14.7	2,907.2
Elkhart	206,341	181	160.5	1,285.6	150	131.6	1,567.9	2	2.0	103,170.5	9	8.3	24,860.4	15	14.2	14,531.1
Fayette	23,102	11	10.9	2,119.4	11	10.9	2,119.4	0	0.0	—	0	0.0	—	0	0.0	—
Floyd	78,522	120	105.9	741.5	108	96.4	814.5	3	3.0	26,174.0	1	1.0	78,522.0	5	2.9	27,076.6
Fountain	16,346	2	1.7	9,615.3	2	1.7	9,615.3	0	0.0	—	0	0.0	—	0	0.0	—
Franklin	22,758	7	5.9	3,857.3	6	4.9	4,644.5	1	1.0	22,758.0	0	0.0	—	0	0.0	—
Fulton	19,974	12	9.4	2,124.9	9	6.5	3,072.9	1	1.0	19,974.0	0	0.0	—	2	1.9	10,512.6
Gibson	33,659	14	13.4	2,511.9	12	11.4	2,952.5	0	0.0	—	0	0.0	—	1	1.0	33,659.0
Grant	65,769	53	46.2	1,423.6	50	44.2	1,488.0	0	0.0	—	0	0.0	—	1	1.0	65,769.0
Greene	31,922	15	14.0	2,280.1	13	12.0	2,660.2	0	0.0	—	0	0.0	—	2	2.0	15,961.0
Hamilton	338,011	275	229.3	1,474.1	253	211.3	1,599.7	11	9.5	35,580.1	1	0.9	375,567.8	2	1.2	281,675.8
Hancock	78,168	56	47.9	1,631.9	53	45.4	1,721.8	2	1.7	45,981.2	0	0.0	—	0	0.0	—
Harrison	40,515	29	25.8	1,570.3	27	23.8	1,702.3	0	0.0	—	0	0.0	—	2	2.0	20,257.5
Hendricks	170,311	140	126.4	1,347.4	112	100.6	1,693.0	10	9.3	18,313.0	4	3.0	56,770.3	12	11.8	14,433.1
Henry	47,972	35	28.6	1,677.3	31	25.0	1,918.9	0	0.0	—	0	0.0	—	3	3.0	15,990.7
Howard	82,544	77	68.3	1,208.6	74	65.8	1,254.5	1	0.6	137,573.3	0	0.0	—	0	0.0	—
Huntington	36,520	19	16.8	2,173.8	17	14.8	2,467.6	0	0.0	—	1	1.0	36,520.0	1	1.0	36,520.0
Jackson	44,231	51	46.1	959.5	48	43.5	1,016.8	0	0.0	—	0	0.0	—	2	1.6	27,644.4

Table 2.1 Geographic distribution of APRNs who reported having a practice located in Indiana

County	Population	All APRNs			Nurse Practitioners			Clinical Nurse Specialists			Certified Nurse Midwives			Certified Registered Nurse Anesthetists		
		N	Total FTE	PPR	N	Total FTE	PPR	N	Total FTE	PPR	N	Total FTE	PPR	N	Total FTE	PPR
Jasper	33,562	19	15.9	2,110.8	19	15.9	2,110.8	0	0.0	—	0	0.0	—	0	0.0	—
Jay	20,436	9	8.5	2,404.2	7	6.9	2,961.7	0	0.0	—	0	0.0	—	1	1.0	20,436.0
Jefferson	32,308	24	21.2	1,524.0	22	19.3	1,674.0	0	0.0	—	0	0.0	—	1	1.0	32,308.0
Jennings	27,735	14	12.8	2,166.8	10	9.6	2,889.1	1	0.9	30,816.7	0	0.0	—	1	0.7	39,621.4
Johnson	158,167	138	122.1	1,295.4	132	116.4	1,358.8	1	0.9	175,741.1	1	1.0	158,167.0	3	2.8	56,488.2
Knox	36,594	68	62.8	582.7	63	58.2	628.8	2	1.6	22,871.3	0	0.0	—	2	2.0	18,297.0
Kosciusko	79,456	39	34.5	2,303.1	34	30.0	2,648.5	0	0.0	—	2	2.0	39,728.0	2	1.5	52,970.7
LaGrange	39,614	14	11.7	3,385.8	13	10.7	3,702.2	0	0.0	—	1	1.0	39,614.0	0	0.0	—
LaPorte	109,888	94	84.9	1,294.3	82	73.9	1,487.0	4	3.7	29,699.5	3	2.6	42,264.6	4	4.0	27,472.0
Lake	485,493	515	447.8	1,084.2	382	328.7	1,477.0	28	26.0	18,672.8	11	9.6	50,572.2	77	71.0	6,837.9
Lawrence	45,370	38	34.0	1,334.4	37	33.2	1,366.6	0	0.0	—	0	0.0	—	0	0.0	—
Madison	129,569	126	108.2	1,197.5	111	95.1	1,362.5	3	2.1	61,699.5	3	3.0	43,189.7	8	7.1	18,249.2
Marion	964,582	1,696	1,499.0	643.5	1,454	1,284.2	751.1	92	84.0	11,483.1	32	27.1	35,593.4	68	62.4	15,458.0
Marshall	46,258	33	31.6	1,463.9	26	24.8	1,865.2	2	1.8	25,698.9	1	1.0	46,258.0	4	4.0	11,564.5
Martin	10,255	3	3.0	3,418.3	3	3.0	3,418.3	0	0.0	—	0	0.0	—	0	0.0	—
Miami	35,516	17	16.4	2,165.6	16	15.7	2,262.2	0	0.0	—	0	0.0	—	0	0.0	—
Monroe	148,431	153	129.5	1,146.2	131	110.9	1,338.4	9	6.3	23,560.5	2	1.8	82,461.7	2	2.0	74,215.5
Montgomery	38,338	33	24.3	1,577.7	30	22.1	1,734.8	1	0.2	191,690.0	1	1.0	38,338.0	0	0.0	—
Morgan	70,489	32	26.9	2,620.4	30	25.0	2,819.6	0	0.0	—	1	0.9	78,321.1	0	0.0	—
Newton	13,984	3	3.0	4,661.3	3	3.0	4,661.3	0	0.0	—	0	0.0	—	0	0.0	—
Noble	47,744	25	21.4	2,231.0	21	17.5	2,728.2	1	1.0	47,744.0	2	1.9	25,128.4	1	1.0	47,744.0
Ohio	5,875	0	0.0	—	0	0.0	—	0	0.0	—	0	0.0	—	0	0.0	—
Orange	19,646	12	11.0	1,786.0	10	9.0	2,182.9	0	0.0	—	0	0.0	—	2	2.0	9,823.0
Owen	20,799	4	4.0	5,199.8	4	4.0	5,199.8	0	0.0	—	0	0.0	—	0	0.0	—
Parke	16,937	7	6.6	2,566.2	7	6.6	2,566.2	0	0.0	—	0	0.0	—	0	0.0	—
Perry	19,169	9	6.9	2,778.1	8	6.6	2,904.4	0	0.0	—	0	0.0	—	0	0.0	—
Pike	12,389	5	4.8	2,581.0	5	4.8	2,581.0	0	0.0	—	0	0.0	—	0	0.0	—
Porter	170,389	109	94.9	1,795.5	97	84.0	2,028.4	2	2.0	85,194.5	2	1.8	94,660.6	6	5.4	31,553.5
Posey	25,427	5	4.3	5,913.3	5	4.3	5,913.3	0	0.0	—	0	0.0	—	0	0.0	—
Pulaski	12,353	13	11.2	1,102.9	11	9.3	1,328.3	0	0.0	—	0	0.0	—	1	1.0	12,353.0
Putnam	37,576	27	21.8	1,723.7	23	18.7	2,009.4	1	0.6	62,626.7	0	0.0	—	2	1.5	25,050.7
Randolph	24,665	21	18.6	1,326.1	17	15.8	1,561.1	0	0.0	—	2	1.9	12,981.6	0	0.0	—
Ripley	28,324	25	21.2	1,336.0	22	18.3	1,547.8	0	0.0	—	0	0.0	—	3	2.9	9,766.9
Rush	16,581	14	12.3	1,348.0	12	11.0	1,507.4	0	0.0	—	0	0.0	—	1	1.0	16,581.0
Scott	23,873	14	13.0	1,836.4	12	11.1	2,150.7	0	0.0	—	0	0.0	—	0	0.0	—
Shelby	44,729	42	40.6	1,101.7	40	38.6	1,158.8	2	2.0	22,364.5	0	0.0	—	0	0.0	—

Table 2.1 Geographic distribution of APRNs who reported having a practice located in Indiana

County	Population	All APRNs			Nurse Practitioners			Clinical Nurse Specialists			Certified Nurse Midwives			Certified Registered Nurse Anesthetists		
		N	Total FTE	PPR	N	Total FTE	PPR	N	Total FTE	PPR	N	Total FTE	PPR	N	Total FTE	PPR
Spencer	20,277	5	4.4	4,608.4	3	2.9	6,992.1	0	0.0	—	0	0.0	—	2	1.5	13,518.0
St. Joseph	271,826	256	228.7	1,188.6	215	192.2	1,414.3	7	5.0	54,365.2	11	9.6	28,315.2	10	9.5	28,613.3
Starke	22,995	11	10.6	2,169.3	11	10.6	2,169.3	0	0.0	—	0	0.0	—	0	0.0	—
Steuben	34,594	20	17.3	1,999.7	16	14.1	2,453.5	0	0.0	—	1	0.9	38,437.8	1	1.0	34,594.0
Sullivan	20,669	9	8.2	2,520.6	7	6.3	3,280.8	0	0.0	—	0	0.0	—	1	1.0	20,669.0
Switzerland	10,751	2	1.2	8,959.2	2	1.2	8,959.2	0	0.0	—	0	0.0	—	0	0.0	—
Tippecanoe	195,732	202	183.1	1,069.0	166	149.0	1,313.6	8	7.1	27,567.9	5	5.0	39,146.4	21	20.0	9,786.6
Tipton	15,148	5	3.8	3,986.3	4	2.8	5,410.0	0	0.0	—	0	0.0	—	1	1.0	15,148.0
Union	7,054	3	2.8	2,519.3	3	2.8	2,519.3	0	0.0	—	0	0.0	—	0	0.0	—
Vanderburgh	181,451	279	241.0	752.9	247	213.2	851.1	12	10.0	18,145.1	0	0.0	—	13	12.6	14,400.9
Vermillion	15,498	9	7.9	1,961.8	9	7.9	1,961.8	0	0.0	—	0	0.0	—	0	0.0	—
Vigo	107,038	140	126.3	847.5	115	103.8	1,031.2	3	3.0	35,679.3	1	0.2	535,190.0	16	15.0	7,135.9
Wabash	30,996	12	10.9	2,843.7	12	10.9	2,843.7	0	0.0	—	0	0.0	—	0	0.0	—
Warren	8,265	2	2.0	4,132.5	1	1.0	8,265.0	0	0.0	—	0	0.0	—	1	1.0	8,265.0
Warrick	62,998	93	82.4	764.5	82	73.0	863.0	3	2.6	24,230.0	1	0.5	125,996.0	6	5.8	10,861.7
Washington	28,036	17	15.1	1,856.7	15	13.1	2,140.2	1	1.0	28,036.0	0	0.0	—	1	1.0	28,036.0
Wayne	65,884	80	74.0	890.3	71	66.7	987.8	6	4.3	15,321.9	1	1.0	65,884.0	0	0.0	—
Wells	28,296	11	10.0	2,829.6	9	8.0	3,537.0	0	0.0	—	0	0.0	—	1	1.0	28,296.0
White	24,102	11	9.4	2,564.0	11	9.4	2,564.0	0	0.0	—	0	0.0	—	0	0.0	—
Whitley	33,964	13	11.6	2,927.9	12	10.6	3,204.2	0	0.0	—	0	0.0	—	1	1.0	33,964.0

Source: 2019 Registered Nurse License and Supplemental Survey Data; Annual Estimates of the Resident Population for Counties in Indiana: April 1, 2010 to July 1, 2019 (CO-EST2019-ANNRES-18)

Notes: Population-to-provider FTE ratios cannot be calculated for counties with no reported APRN FTE



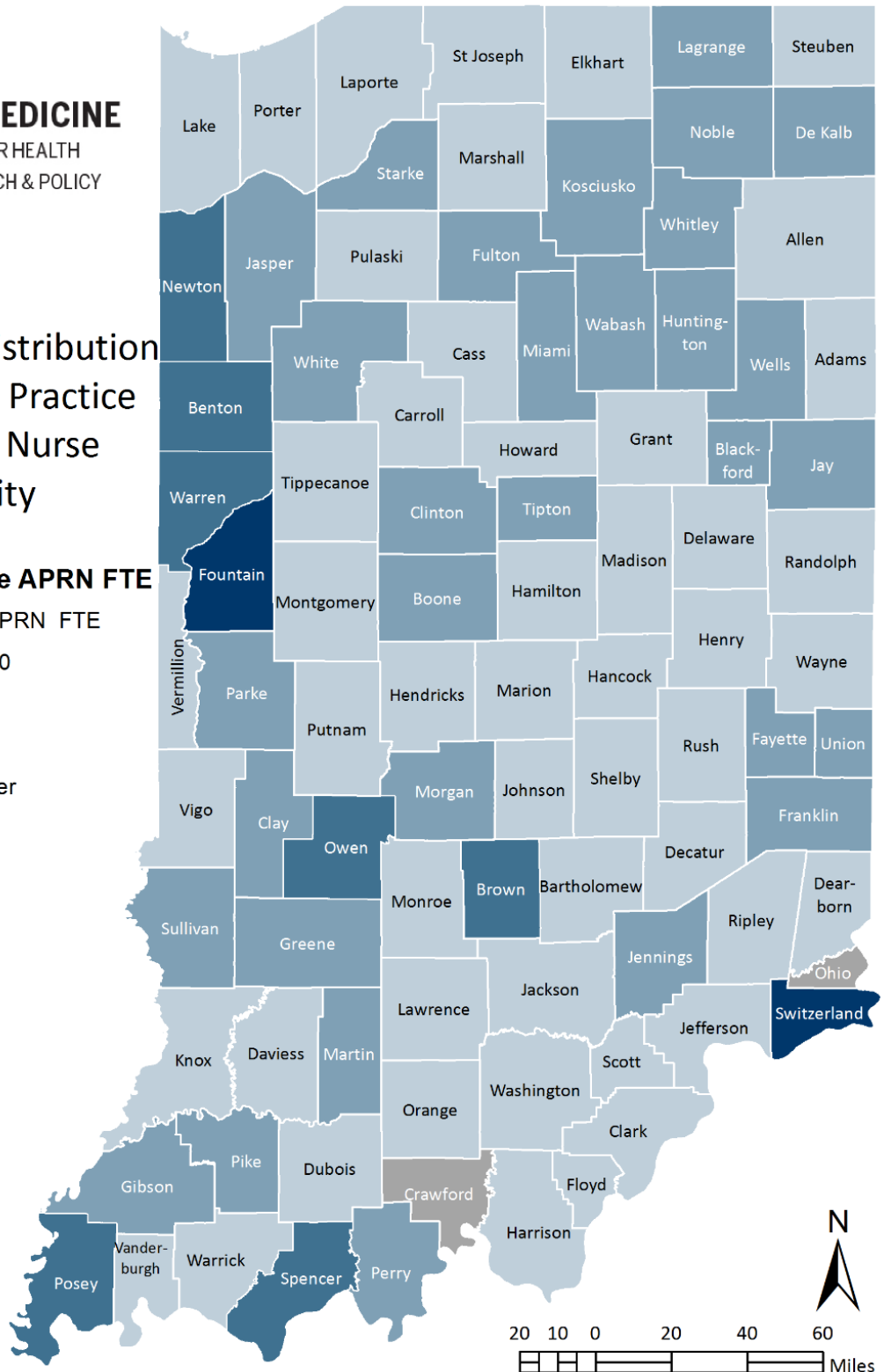
SCHOOL OF MEDICINE

BOWEN CENTER FOR HEALTH
WORKFORCE RESEARCH & POLICY

Geographic Distribution of Advanced Practice Registered Nurse Capacity

Population to One APRN FTE

- No Reported APRN FTE
- Less than 2,000
- 2,000 - 3,999
- 4,000 - 5,999
- 6,000 or Greater



Sources: 2019 Registered Nurse License and Supplemental Survey Data; Annual Estimates of the Resident Population of Counties in Indiana: April 1, 2010 to July 1, 2019 (CO-EST2019-ANNRES-18)

Notes: Population to provider FTE ratios cannot be calculated for counties with no reported provider FTE.

Figure 2.2 Geographic distribution of APRN capacity

DISCUSSION AND CONCLUSION

The 2019 Registered Nurse Workforce Geographic Data Report provides an overview of the supply and distribution of RNs and APRNs who reported having a primary practice address in Indiana. The summaries from this report highlight the large disparity in RN and APRN supply between metro and nonmetro counties, a trend that is well-known. Additionally, differences between the total county of nurses and tot FTE have also highlighted the important of gathering data which can be used to accurately estimate workforce capacity.

The RN and APRN workforce undoubtedly are an important part of Indiana's health care workforce. Therefore, it is essential to examine the supply and capacity characteristics which can be used for workforce planning in underserved communities. Further information on the RN workforce can be requested at www.bowenportal.org.