



2013 Physician Workforce Annual Report

November 2013

Rick Scott
Governor

John H. Armstrong, MD, FACS
Surgeon General and Secretary of Health

Pursuant to sections 381.4018, 458.3192, and 459.0082, *Florida Statutes*, the Department of Health is responsible for assessing the state's current and future physician workforce needs and preparing an annual report on the physician workforce in Florida. This report is provided to the Governor, the President of the Senate, and the Speaker of the House of Representatives annually on November 1.

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Acknowledgements

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<i>Graduate Medical Education Work Group</i>	
1. One individual representing a statutory teaching hospital as defined in s. 408.07 and recommended by the Safety Net Hospital Alliance.	Mathis Becker, M.D.
2. An individual recommended by the Florida Academy of Family Physicians.	Sandra Argenio, M.D.
3. Two individuals who are program directors of accredited graduate medical education programs, one representing a program accredited by the Accreditation Council for Graduate Medical Education and one representing a program accredited by the American Osteopathic Association. The GME director of a Florida medical school may also serve.	Diane Davey, M.D. Mark Gabay, D.O.
4. One individual recommended by the Florida Hospital Association, representing a hospital that is licensed under chapter 395, has an accredited graduate medical education program, and is not a statutory teaching hospital.	Michael Epstein, M.D.
5. The Chancellor of the State University System or his or her designee.	R.E. LeMon, Ph.D.
<i>Physician Attraction, Retention, and Retraining Work Group</i>	
6. One individual representing a family practice teaching hospital as defined in s. 395.805 and recommended by the Council of Family Medicine and Community Teaching Hospitals.	Edwin Prevatte, M.D.
7. Two individuals recommended by the Florida Medical Association, one representing a primary care specialty and one representing a non-primary care specialty.	Karl Altenburger, M.D. Ed Homan, M.D.
8. A designee from the department who is a physician licensed under chapter 458 or chapter 459 and recommended by the State Surgeon General.	Joanna Drowos, D.O.
9. A layperson member as determined by the State Surgeon General.	Jan Gorrie, J.D.
10. Two individuals recommended by the Council of Florida Medical School Deans, one representing a college of allopathic medicine and one representing a college of osteopathic medicine.	Jim Howell, M.D. Robert Watson, M.D.
11. Two individuals recommended by the Florida Osteopathic Medical Association, one representing a primary care specialty and one representing a non-primary care specialty.	Paul Seltzer, D.O. Nicole Bixler, D.O.
<i>Medical Education and the Applicant Pipeline Work Group</i>	
12. An individual recommended by the Florida Alliance for Health Professions Diversity.	Alma Littles, M.D.
13. An individual who is affiliated with the Science Students Together Reaching Instructional Diversity and Excellence program and recommended by the area health education center network.	Les Beitsch, M.D., J.D.
14. An individual recommended by the Florida Association of Community Health Centers representing a federally qualified health center located in a rural area as defined in s. 381.0406(2)(a).	Anita Riels

Executive Summary

The 2013 Physician Workforce Annual Report presents a summary analysis of the 2012 and 2013 Physician Workforce Surveys¹ and an update on the Florida Physician Workforce Strategic Plan. Key points in this report include:

- A total of 62,312 physicians responded to the 2012 and 2013 surveys.
- Of the state's licensed physicians, 43,406 (69.7%) are actively practicing in Florida.
- Nearly two-thirds (26,778 or 61.7%) of the actively practicing physicians are age 50 or older. (Figure 3², page 4)
- Of the state's active physicians, 14,502 (33.4%) are practicing in primary care specialties, which include family medicine, internal medicine, and pediatrics. (Figure 6, page 5)
- The top three specialties practiced by physicians in Florida are: medical specialist (6,364 or 14.7%), internal medicine (6,250 or 14.4%), and family medicine (5,961 or 13.7%). (Figure 5, page 5)
- Physicians are notably concentrated in areas containing medical schools and large population centers. (Physician Workforce by County Map, page 8)
- Nationally, Florida is below the state median of active primary care physicians of 9.1 per 10,000 population, with 7.7 primary care physicians per 10,000 population. (Association of Medical Colleges (AAMC) 2011 State Physician Workforce Data Book)
- In 16 of Florida's 67 counties, over 20.2% of their physicians plan to retire in the next five years. Statewide, 5,724 (13.2%) physicians plan to retire in the next five years. (Physicians Planning to Retire in the Next Five Years Map, page 19)

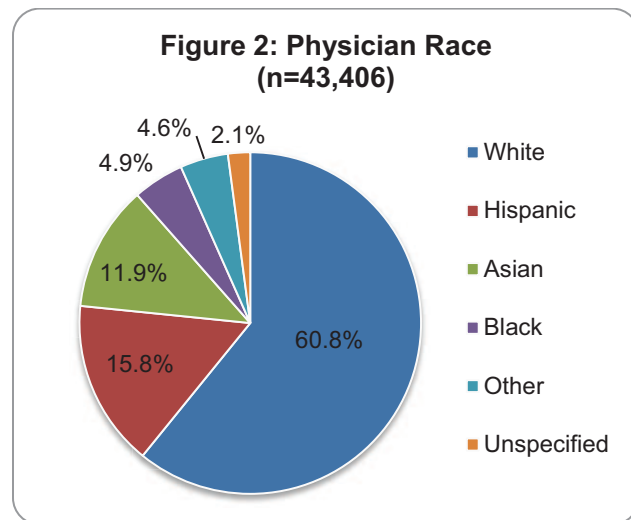
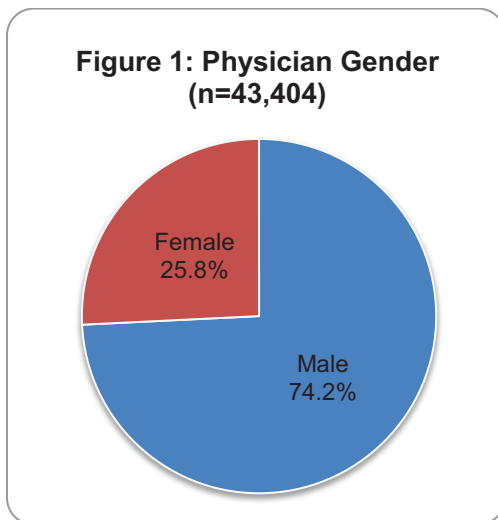
The report findings will be instrumental to the Physician Workforce Advisory Council in its work to provide advice and recommendations to the State Surgeon General and the Department on matters concerning physician workforce needs in this state. As part of its work, the Council will examine physician workforce planning in its entirety, with particular focus on graduate medical education and medical school pipeline programs. Following the report are four appendices providing additional analysis products and information, including trend analysis, an update on the inaugural strategic plan, and key definitions.

¹ The Physician Workforce Survey is part of the licensure renewal process for physicians and administered by the Department's Division of Medical Quality Assurance. Licensed physicians are divided into two groups, with each group renewing every other year. The result is the combination of two years of data for a total set of Florida physician workforce data.

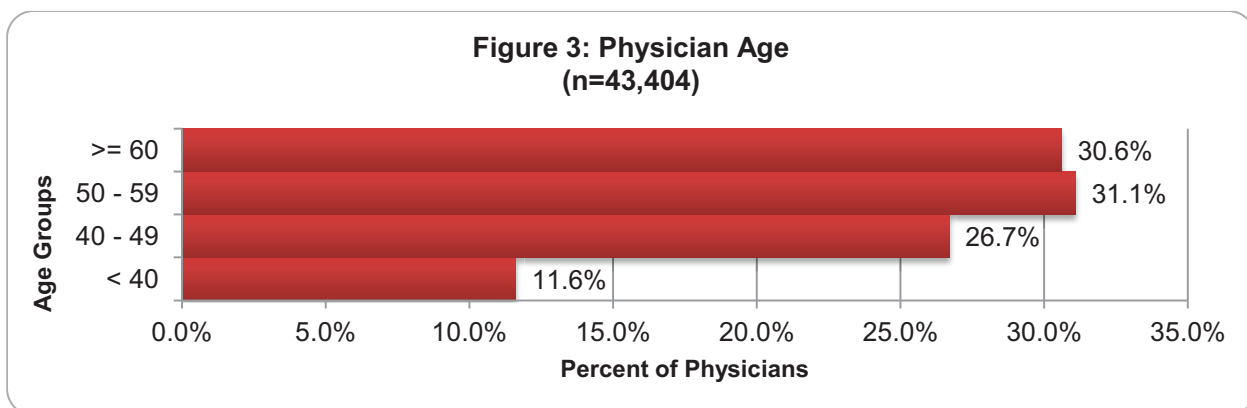
² In charts and graphs, "n" equals the number of question responses. The number of responses will equal the number of respondents, except where the physician may choose multiple responses.

Physician Workforce Characteristics

Of Florida’s licensed and practicing physicians, 32,219 (74.2%) are males and 11,185 (25.8%) are females. The three most represented races in Florida’s physician workforce are white (26,411 or 60.8%), Hispanic (6,841 or 15.8%), and Asian (5,161 or 11.9%), as shown in Figure 2.



According to the Association of American Medical Colleges’ (AAMC) 2011 State Physician Workforce Data Book, Florida ranks 5th in states with the greatest number of active physicians over age 60. Looking at the age distribution of Florida’s physician workforce, 13,283 (30.6%) are age 60 and older and 13,495 (31.1%) are between ages 50-59. It is notable that only 5,040 (11.6%) are under 40 and 11,586 (26.7%) are between ages 40-49, as shown in Figure 3. This has implications for the future of Florida’s physician workforce and highlights the importance of expanding graduate medical education and pipeline programs throughout the state.



The top three specialties practiced by physicians in Florida are: medical specialist (6,364 or 14.7%), internal medicine (6,250 or 14.4%), and family medicine (5,961 or 13.7%).

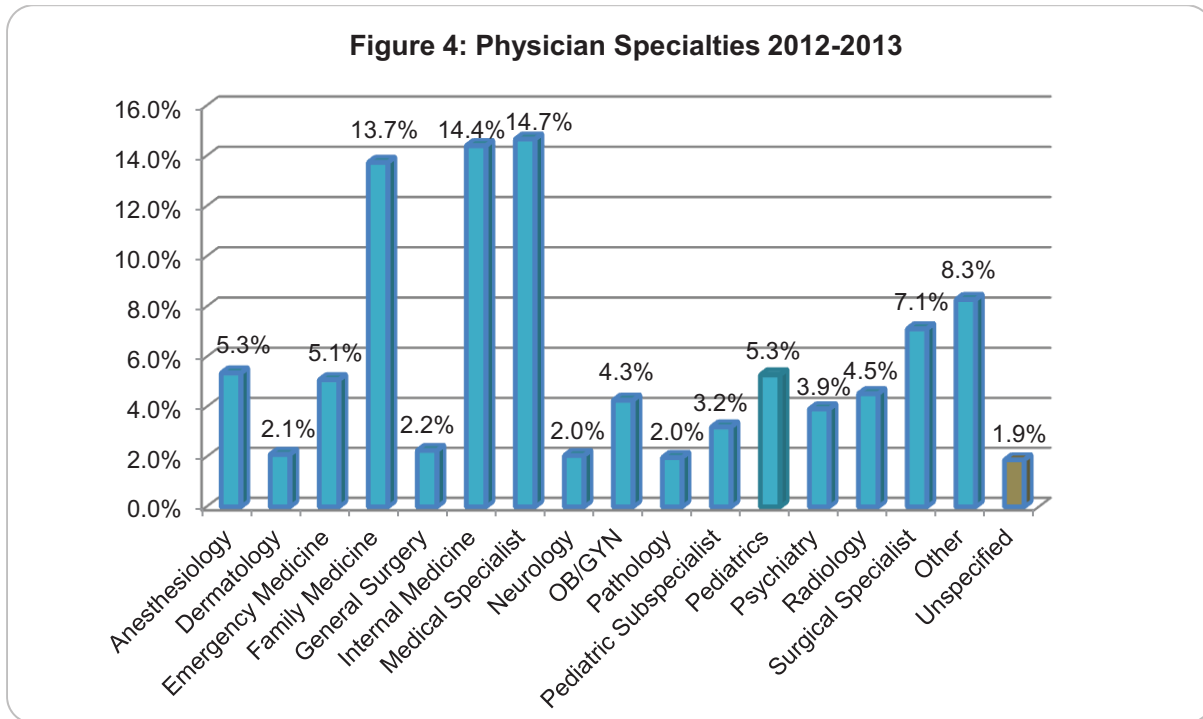
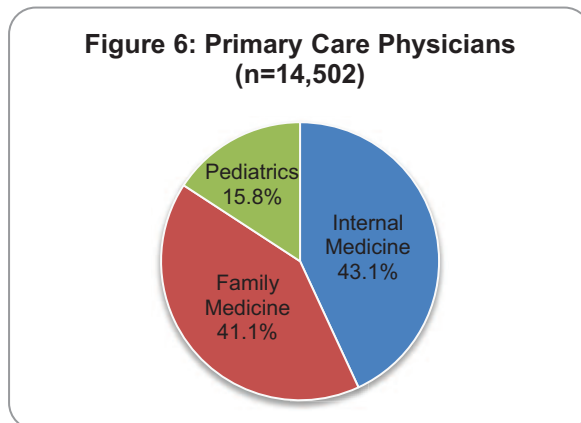


Figure 5: Physician Specialty Group Counts

Specialty Group	Count	Percentage
Anesthesiology	2,322	5.3%
Dermatology	908	2.1%
Emergency Medicine	2,205	5.1%
Family Medicine	5,961	13.7%
General Surgery	976	2.2%
Internal Medicine	6,250	14.4%
Medical Specialist	6,364	14.7%
Neurology	888	2.0%
OB GYN	1,851	4.3%
Other	3,592	8.3%
Pathology	853	2.0%
Pediatric Subspecialist	1,384	3.2%
Pediatrics	2,291	5.3%
Psychiatry	1,698	3.9%
Radiology	1,963	4.5%
Surgical Specialist	3,087	7.1%
Unspecified	813	1.9%
Total	43,406	100.0%

For the purposes of this report, primary care physicians are defined as those practicing in the areas of internal medicine, family medicine, and pediatrics. Florida’s 14,502 primary care physicians represent 33.4% of the physician workforce.

Figure 6: Primary Care Physicians (n=14,502)



Physician Workforce Survey: Key Findings

- **Physician Workforce by County and Region**

Physicians are notably concentrated in areas containing medical schools and large population centers. The regional maps on pages 9-12 divide the state into four quadrants and show physicians per 10,000 population at the census tract level. According to the Association of Medical Colleges (AAMC) 2011 State Physician Workforce Data Book, Florida is below the state median of 24.4 physicians per 10,000 population, with 23.1 physicians per population. Although Region 4, which includes Palm Beach, Broward, and Miami-Dade Counties, has the most physicians at the county level, the census tract level map reveals physicians are concentrated along an approximately 100 mile portion of the eastern coastline, with few physicians practicing in the inland part of these counties. Region 3 shows a similar geographic distribution along the western coastline. Appendix A: Changes in the Physician Workforce provides additional information on changes in the physician workforce by county.

- **Primary Care Physicians by County**

Fifty of Florida's 67 counties have 4.5 to 9.3 primary care physicians per 10,000 population (page 13). According to the AAMC's 2011 Physician Workforce Data Book, Florida is below the state median of active primary care physicians of 9.1 per 10,000 population, with 7.7 primary care physicians per 10,000 population.

- **Physician Specialty Group Counts by County**

The charts on pages 14 and 15 provide the number of licensed and practicing physicians, by specialty group, in each county. There are a total of 14,502 primary care physicians in Florida, or 33.4% of all practicing physicians.

- **Practice Characteristics**

The top two practice settings for physicians, as shown in Figure 11, are office (26,993 or 62.7%) and hospital (10,944 or 25.4%). Figure 12 shows that of office practice physicians, most practice in a single specialty group practice (11,156 or 29.4%), with solo office practice the second most common practice type (10,176 or 26.8%).

- **Physicians Planning to Retire in the Next Five Years**

In 16 of Florida's 67 counties, over 20.2% of their physicians plan to retire in the next five years (page 19). Statewide, 5,724 (13.2%) physicians plan to retire in the next five

years. Appendix A: Changes in the Physician Workforce provides additional information on physicians planning to retire.

- **Destinations of Physicians Planning to Relocate in the Next Five Years**

The top five destinations cited by physicians planning to relocate were: Texas (152 or 13.8%), California (118 or 10.3%), North Carolina (107 or 9.4%), Colorado (67 or 5.9%), and Georgia (67 or 5.9%). The most common reason for physicians planning to relocate outside of Florida in the next five years was family (416 or 26.9%) (page 20).

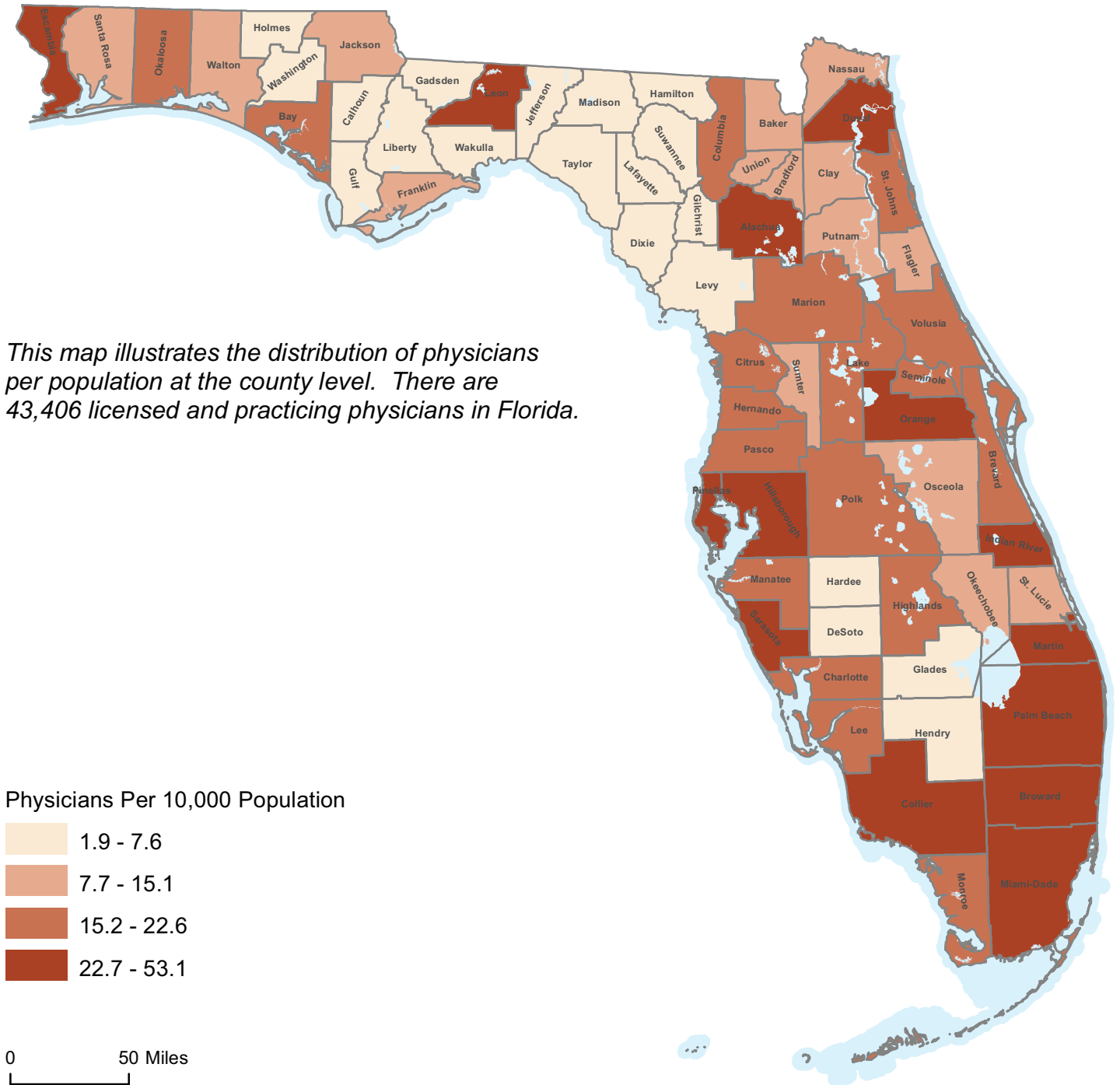
- **Obstetrics and Gynecology Specialty Questions**

In the 2012-2013 survey cycle, there were 1,851 licensed and practicing OB-GYN physicians in Florida. Of those responding to the question, 1,000 (68.8%) deliver babies, as highlighted in Figure 16.

- **Radiology Specialty Questions**

In the 2012-2013 survey cycle, there were 1,963 licensed and practicing radiologists in Florida. Of those responding to each question, 873 (78.7%) read screening mammograms and 872 (80.3%) read diagnostic mammograms and sonograms. The numbers drop after that, with only 490 (45.6%) reading breast MRIs (Figure 22).

Florida's Physician Workforce by County 2012-2013



Source: Florida Department of Health 2012 & 2013 Physician Workforce Surveys

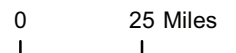
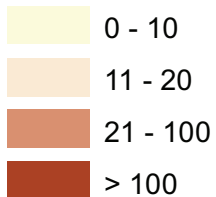


Region 1: Florida's Physician Workforce

This map illustrates the distribution of physicians per population in Region 1. There are 2,696 active, licensed and practicing physicians in Region 1, or 6.2% of the state's 43,406 total active, licensed and practicing physicians.



Physicians Per 10,000 Population

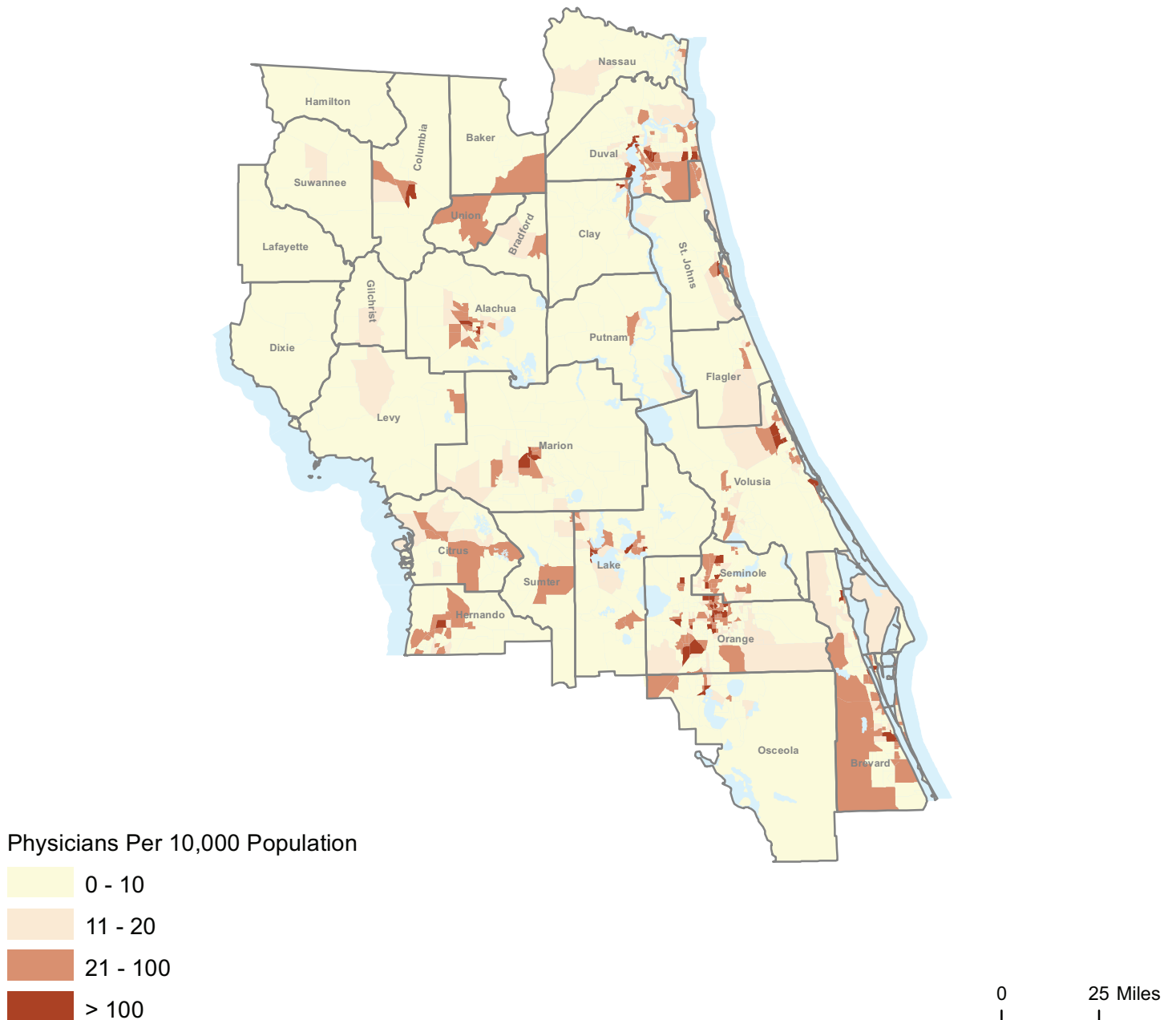


Source: Florida Department of Health 2012 & 2013 Physician Workforce Surveys



Region 2: Florida's Physician Workforce

This map illustrates the distribution of physicians per population in Region 2. There are 13,060 active, licensed and practicing physicians in Region 2, or 30.1% of the state's 43,406 total active, licensed and practicing physicians.

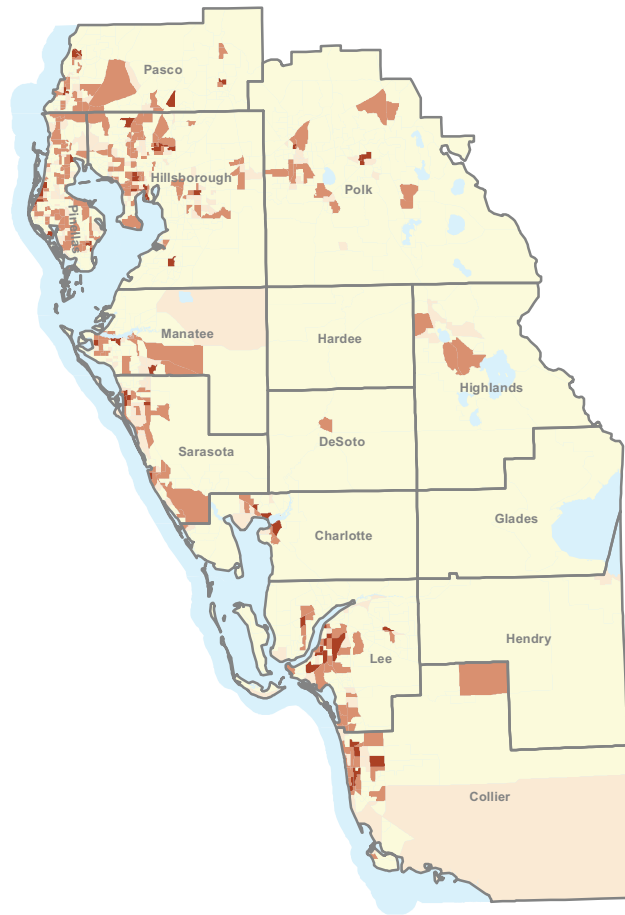


Source: Florida Department of Health 2012 & 2013 Physician Workforce Surveys

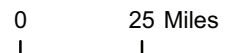
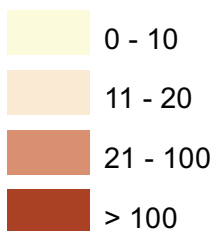


Region 3: Florida's Physician Workforce

This map illustrates the distribution of physicians per population in Region 3. There are 11,966 active, licensed and practicing physicians in Region 3, or 27.6% of the state's 43,406 total active, licensed and practicing physicians.



Physicians Per 10,000 Population

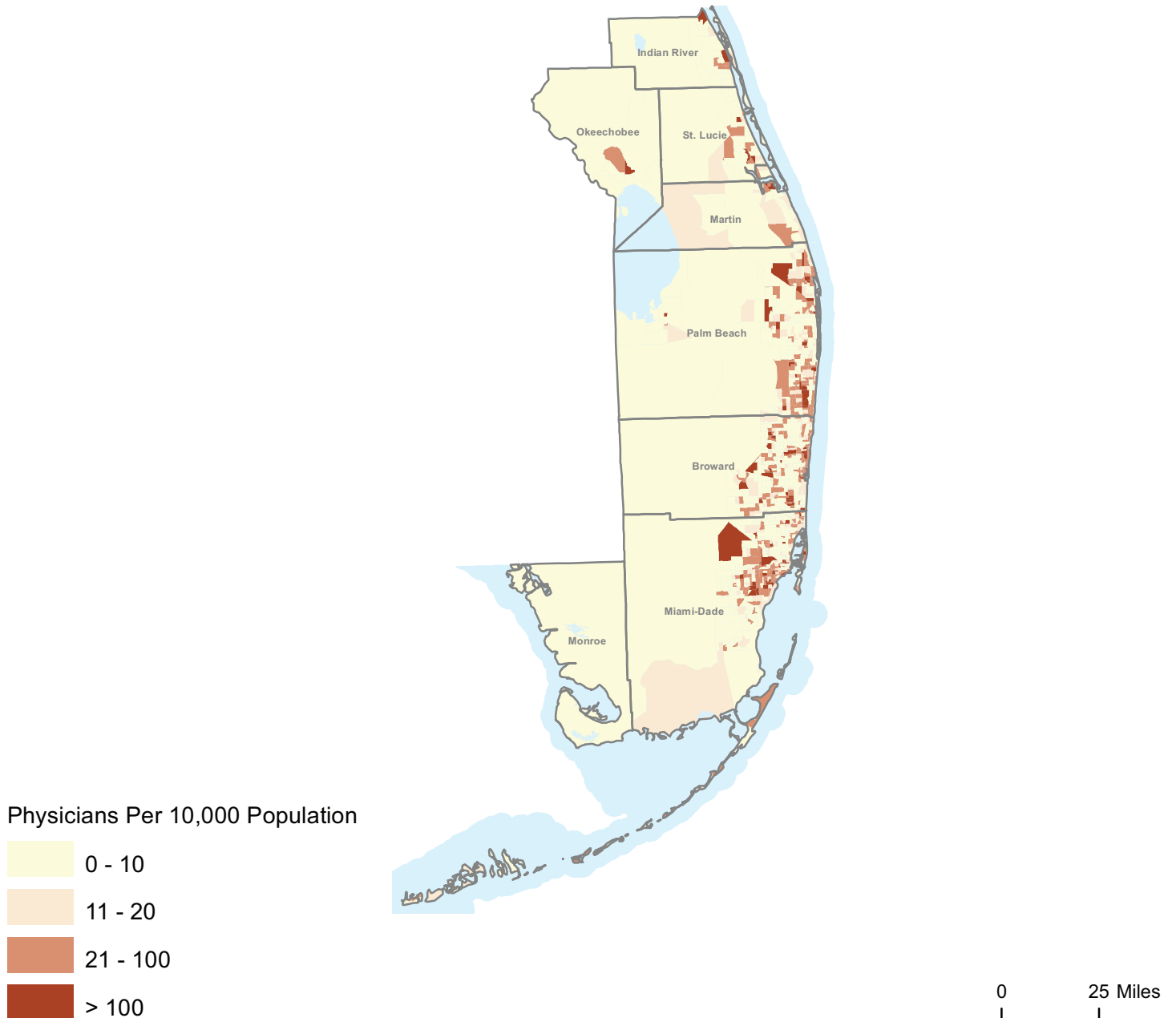


Source: Florida Department of Health 2012 & 2013 Physician Workforce Surveys



Region 4: Florida's Physician Workforce

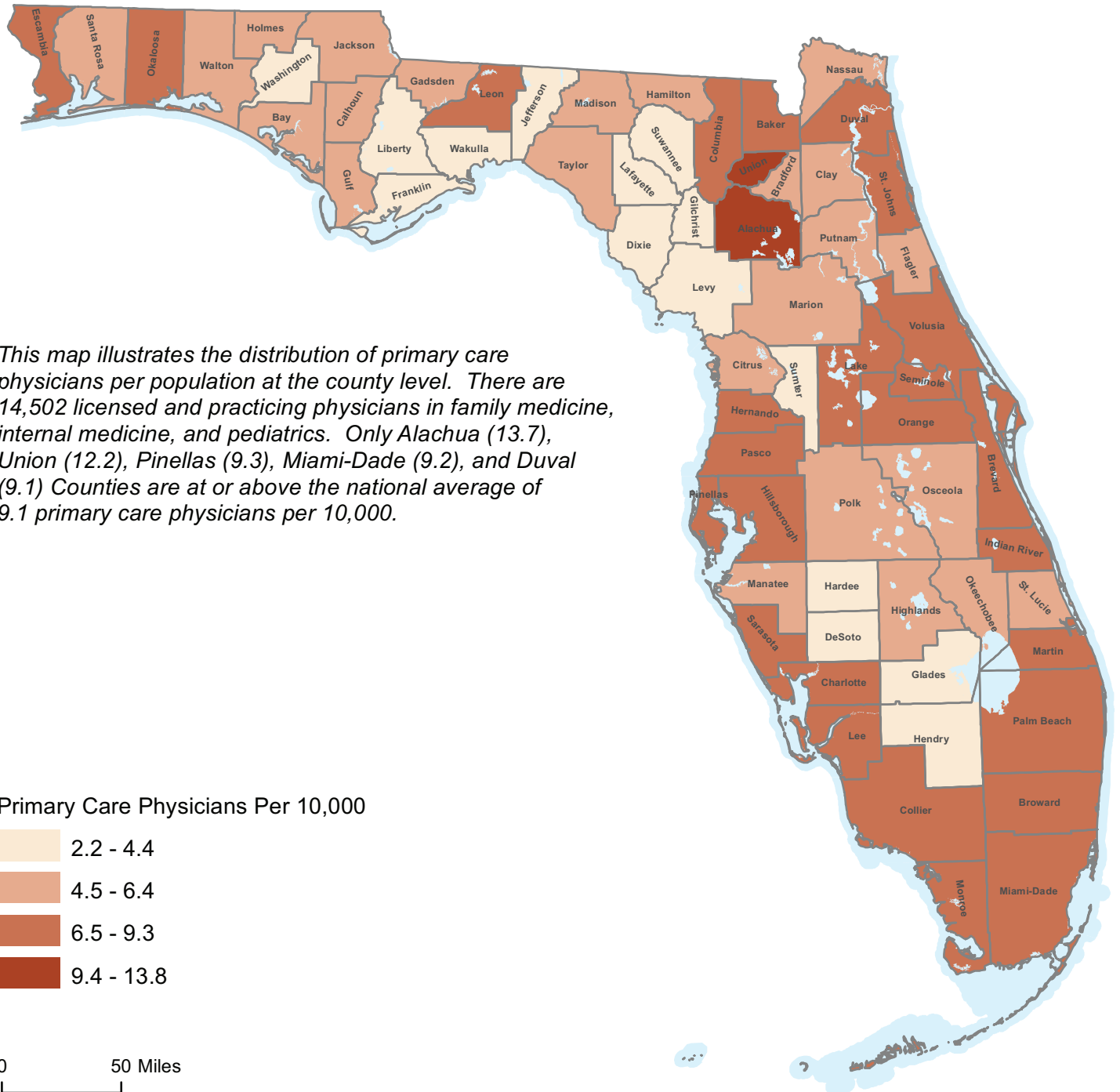
This map illustrates the distribution of physicians per population in Region 4. There are 15,684 active, licensed and practicing physicians in Region 4, or 36.1% of the state's 43,406 total active, licensed and practicing physicians.



Source: Florida Department of Health 2012 & 2013 Physician Workforce Surveys



Florida's Primary Care Physicians by County 2012-2013



This map illustrates the distribution of primary care physicians per population at the county level. There are 14,502 licensed and practicing physicians in family medicine, internal medicine, and pediatrics. Only Alachua (13.7), Union (12.2), Pinellas (9.3), Miami-Dade (9.2), and Duval (9.1) Counties are at or above the national average of 9.1 primary care physicians per 10,000.

Source: Florida Department of Health 2012 & 2013 Physician Workforce Surveys



Physician Workforce Specialty Group Counts by County 2012-2013

	Family Medicine	Internal Medicine	Pediatrics	Primary Care ¹	Anesthesiology	Dermatology	Emergency Medicine	General Surgery	OB/GYN	Pediatric Subspecialist	Psychiatry	Radiology	Surgical Specialist	Other ²	TOTAL ³
Alachua	131	165	43	339	93	19	57	26	29	74	77	72	100	410	1,324
Baker	14	3	2	19	1	0	5	0	0	0	14	1	1	2	43
Bay	41	48	12	101	16	5	26	11	19	8	18	11	30	95	349
Bradford	11	3	2	16	0	0	3	1	0	0	2	0	0	1	26
Brevard	162	198	44	404	77	25	76	32	52	17	42	59	76	351	1,230
Broward	471	603	227	1,301	257	103	212	79	224	175	152	160	325	1,149	4,214
Calhoun	4	3	0	7	0	0	2	0	0	0	0	0	0	0	9
Charlotte	38	56	14	108	23	7	21	7	10	2	20	24	32	100	367
Citrus	51	26	7	84	16	5	17	9	7	4	4	16	15	73	253
Clay	62	28	14	104	17	5	11	7	13	0	6	7	18	67	262
Collier	100	127	33	260	31	38	45	13	42	16	30	31	60	221	808
Columbia	21	27	6	54	9	1	19	5	4	0	11	5	2	35	152
DeSoto	6	7	2	15	0	0	3	1	4	0	2	0	0	4	29
Dixie	5	0	1	6	0	0	0	0	0	0	0	1	0	1	8
Duval	368	280	138	786	180	39	159	67	105	115	64	140	186	758	2,648
Escambia	118	85	31	234	54	13	53	29	34	38	33	41	59	233	836
Flagler	36	10	2	48	8	1	9	4	6	2	1	5	7	31	123
Franklin	3	1	1	5	0	0	2	0	4	0	0	0	0	2	13
Gadsden	17	6	1	24	0	0	2	0	0	0	9	0	0	1	37
Gilchrist	5	0	2	7	0	0	0	0	0	0	0	0	0	0	7
Glades	4	0	0	4	0	0	0	0	0	0	0	0	0	0	6
Gulf	4	2	2	8	0	0	3	1	0	0	0	0	0	2	14
Hamilton	4	3	0	7	1	0	1	0	0	1	0	0	0	0	10
Hardee	4	4	3	11	0	0	3	1	0	0	1	0	0	0	16
Hendry	7	4	6	17	1	0	4	1	1	0	0	1	0	1	26
Hernando	45	61	11	117	11	6	16	7	10	0	12	13	15	84	298
Highlands	20	26	11	57	17	2	12	7	6	0	4	12	10	51	178
Hillsborough	349	480	188	1,017	176	66	145	93	146	139	155	154	260	960	3,363
Holmes	9	3	0	12	0	0	0	1	0	0	0	1	0	1	15
Indian River	36	59	21	116	23	9	17	5	15	1	12	20	35	103	360
Jackson	13	13	3	29	0	0	5	4	4	0	2	2	3	10	61
Jefferson	4	1	0	5	0	0	0	0	0	0	1	1	0	1	8
Lafayette	0	2	0	2	0	0	0	0	0	0	0	1	0	0	3
Lake	89	102	31	222	31	8	31	13	29	3	19	29	33	167	593

¹Primary Care is the sum of family medicine, internal medicine, and pediatric physicians.

²Other includes medical specialists, neurologists, pathologists, and other specialists.

³Total is the sum of all specialty groups and includes unspecified values.

Source: Florida Department of Health 2012-2013 Physician Workforce Surveys

Physician Workforce Specialty Group Counts by County 2012-2013

	Family Medicine	Internal Medicine	Pediatrics	Primary Care ¹	Anesthesiology	Dermatology	Emergency Medicine	General Surgery	OB/GYN	Pediatric Subspecialist	Psychiatry	Radiology	Surgical Specialist	Other ²	TOTAL ³
Lee	155	192	71	418	51	32	56	22	51	40	45	52	100	341	1,232
Leon	143	76	30	249	35	16	27	12	40	16	30	31	35	155	660
Levy	9	3	3	15	0	0	0	0	0	0	1	0	0	0	19
Liberty	1	1	0	2	0	0	0	0	0	0	0	0	0	0	2
Madison	9	0	0	9	0	1	0	0	0	0	0	1	0	2	13
Manatee	100	54	35	189	32	17	37	14	27	8	19	26	32	157	565
Marion	93	96	24	213	28	10	42	11	17	6	23	25	31	174	588
Martin	40	49	11	100	20	11	27	12	17	5	11	20	24	93	345
Miami-Dade	879	990	423	2,292	321	124	240	139	251	300	306	278	462	1,620	6,477
Monroe	29	27	4	60	9	4	16	7	7	1	9	7	10	40	172
Nassau	18	15	5	38	8	0	10	1	4	0	5	1	3	14	85
Okaloosa	73	36	23	132	33	9	30	16	21	9	15	18	41	79	406
Okeechobee	8	10	5	23	1	0	5	1	2	0	0	1	3	16	52
Orange	393	327	185	905	151	34	113	59	140	166	82	130	198	686	2,707
Osceola	66	79	29	174	15	2	35	17	29	3	13	6	24	107	434
Palm Beach	326	607	163	1,096	192	123	149	64	175	88	147	178	275	1,090	3,654
Pasco	135	151	45	331	42	15	34	18	24	1	39	31	41	216	803
Pinellas	351	386	116	853	131	52	125	40	85	94	84	130	196	699	2,536
Polk	121	164	55	340	47	17	67	25	51	15	28	53	59	257	971
Putnam	21	15	7	43	3	1	8	2	6	0	0	5	6	23	97
Santa Rosa	46	22	14	82	5	0	5	3	9	2	4	3	16	27	159
Sarasota	136	159	38	333	51	36	49	24	37	7	41	43	98	321	1,066
Seminole	148	91	48	287	20	14	36	12	33	8	27	18	34	158	661
St. Johns	61	47	27	135	10	6	19	11	11	2	10	13	17	81	324
St. Lucie	63	52	27	142	18	9	25	8	13	4	19	15	39	111	410
Sumter	16	20	2	38	1	4	9	0	3	2	4	13	5	24	108
Suwannee	12	5	0	17	0	0	4	1	0	0	2	0	0	2	27
Taylor	6	7	1	14	1	0	2	1	0	0	0	0	0	0	18
Union	16	3	0	19	0	0	0	0	0	0	5	0	0	3	28
Volusia	200	118	39	357	50	18	67	30	31	12	32	55	68	268	1,002
Wakulla	7	0	0	7	0	0	0	0	0	0	0	0	0	0	7
Walton	19	10	3	32	4	1	6	1	3	0	2	3	2	14	68
Washington	9	2	0	11	1	0	3	1	0	0	4	0	0	1	21
TOTAL	5,961	6,250	2,291	14,502	2,322	908	2,205	976	1,851	1,384	1,698	1,963	3,087	11,697	43,406

¹Primary Care is the sum of family medicine, internal medicine, and pediatric physicians.

²Other includes medical specialists, neurologists, pathologists, and other specialists.

³Total is the sum of all specialty groups and includes unspecified values.

Source: Florida Department of Health 2012-2013 Physician Workforce Surveys

Practice Characteristics

In the survey, Florida’s physicians are asked to provide the total number of hours per week they spend on patient care, administration, and research and teaching. Most physicians (33.5%) spend 31-40 hours per week on patient care and 5 or less hours per week on administration (57.7%) and research and teaching (75.9%), as shown in Figures 7-9. Figure 10 shows that three quarters of physicians (75.1%) see up to 100 patients per week.

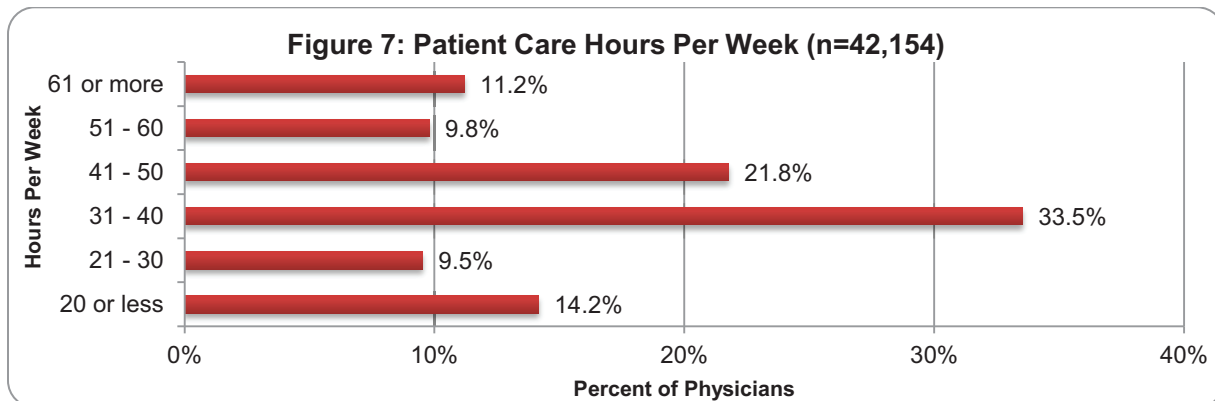
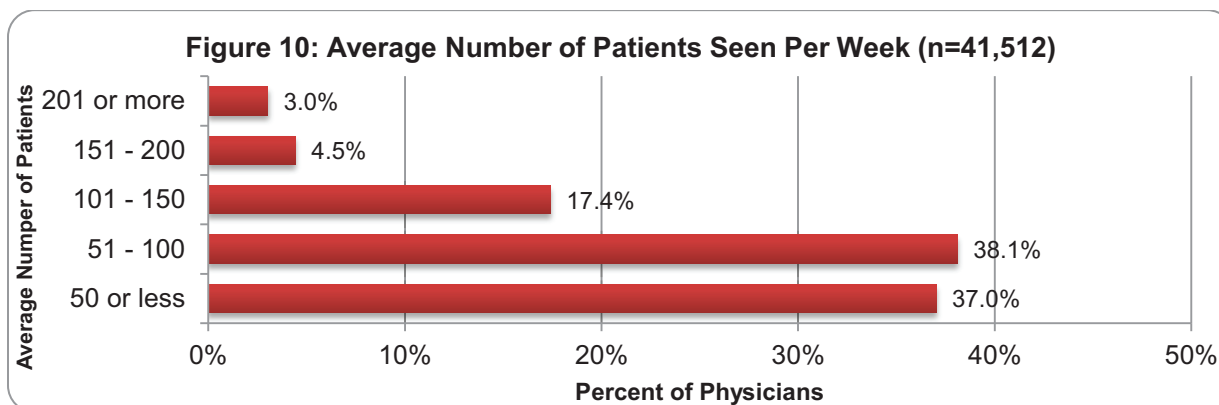


Figure 8: Administrative Hours Per Week

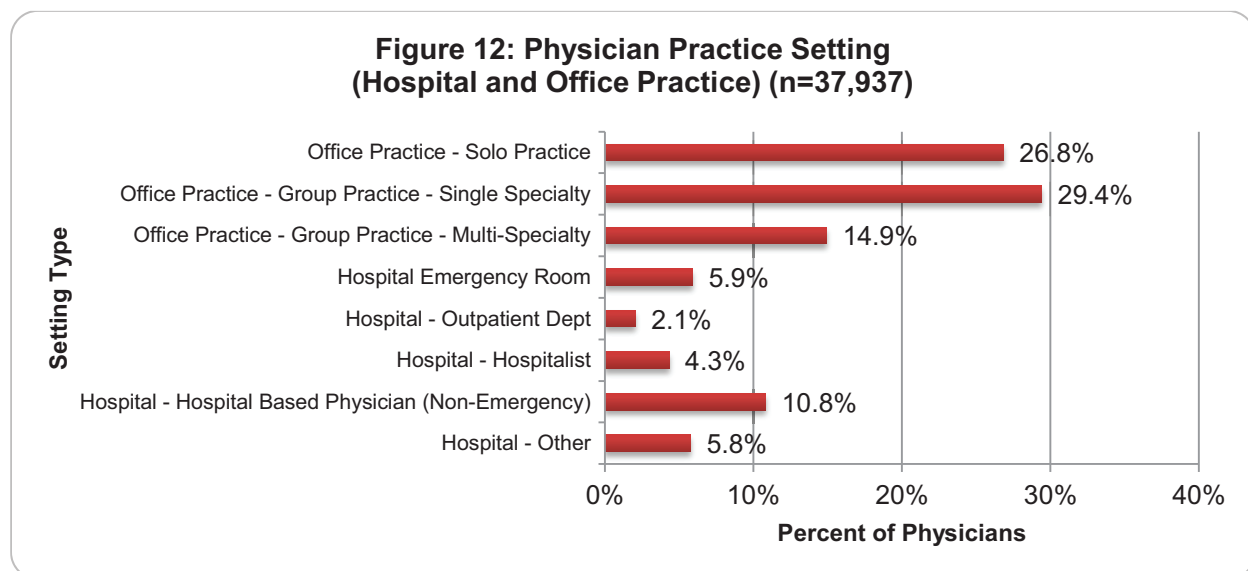
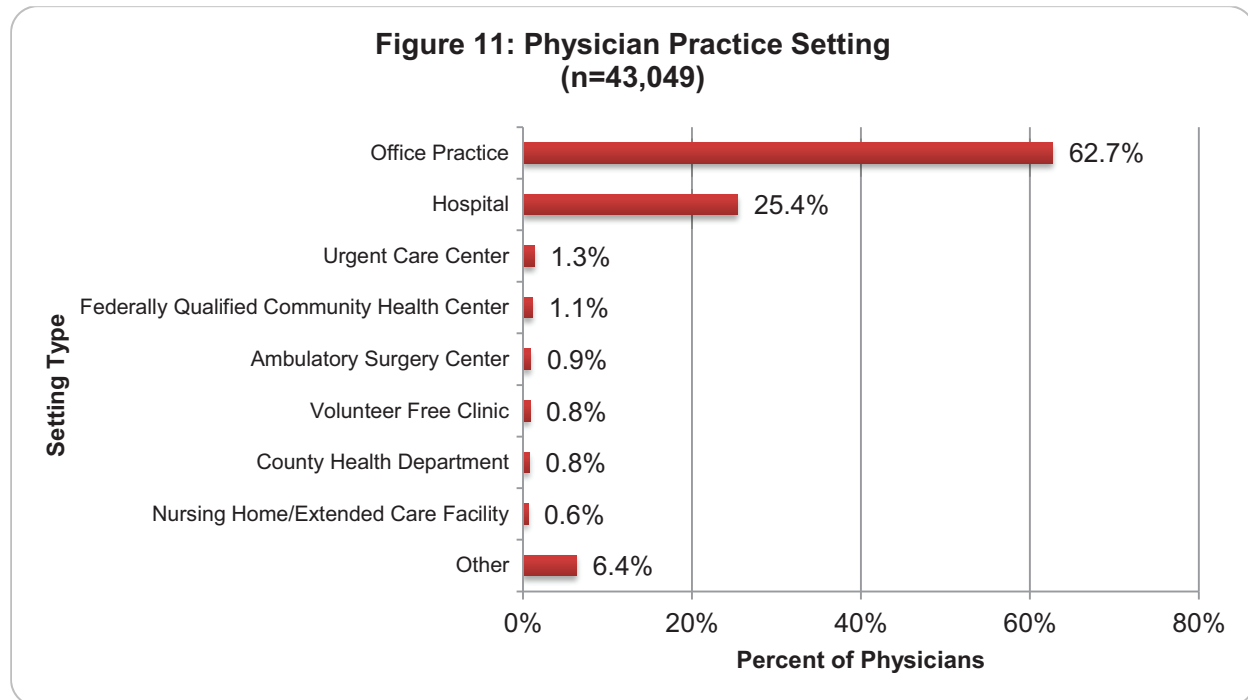
Hours Reported	Physicians	Percent of Physicians
0 - 5	22,119	57.7%
6 - 10	9,404	24.5%
11 - 20	4,354	11.4%
21 - 30	1,406	3.7%
31 - 40	567	1.5%
41 - 50	255	0.7%
51 - 60	85	0.2%
61 or more	125	0.3%
Total	38,315	100.0%

Figure 9: Research and Teaching Hours Per Week

Hours Reported	Physicians	Percent of Physicians
0 - 5	24,448	75.9%
6 - 10	4,460	13.9%
11 - 20	2,089	6.5%
21 - 30	619	1.9%
31 - 40	330	1.0%
41 - 50	156	0.5%
51 - 60	46	0.1%
61 or more	60	0.2%
Total	32,208	100.0%

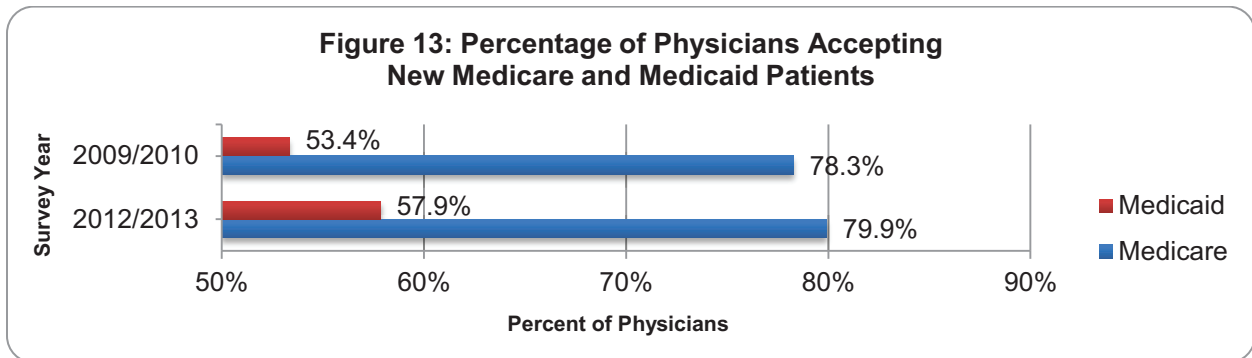


Physicians were asked several questions about their primary practice locations, and secondary and tertiary practice locations, if applicable. Of the 43,049 physicians responding to the practice setting question, the top two practice settings were office (26,993 or 62.7%) and hospital (10,944 or 25.4%), as shown in Figure 11. The greatest number of physicians practice in a single specialty group practice (11,156 or 29.4%), with solo office practice the second most common practice type (10,176 or 26.8%), as shown in Figure 12.



Physicians and Medicare and Medicaid

Physicians were asked if they are accepting new Medicare patients and, as a separate question, if they are accepting new Medicaid patients. The graph and chart below (Figures 13 and 14) show an increase in acceptance of both new Medicare and new Medicaid patients from the 2009-2010 survey cycle to the 2012-2013 survey cycle.

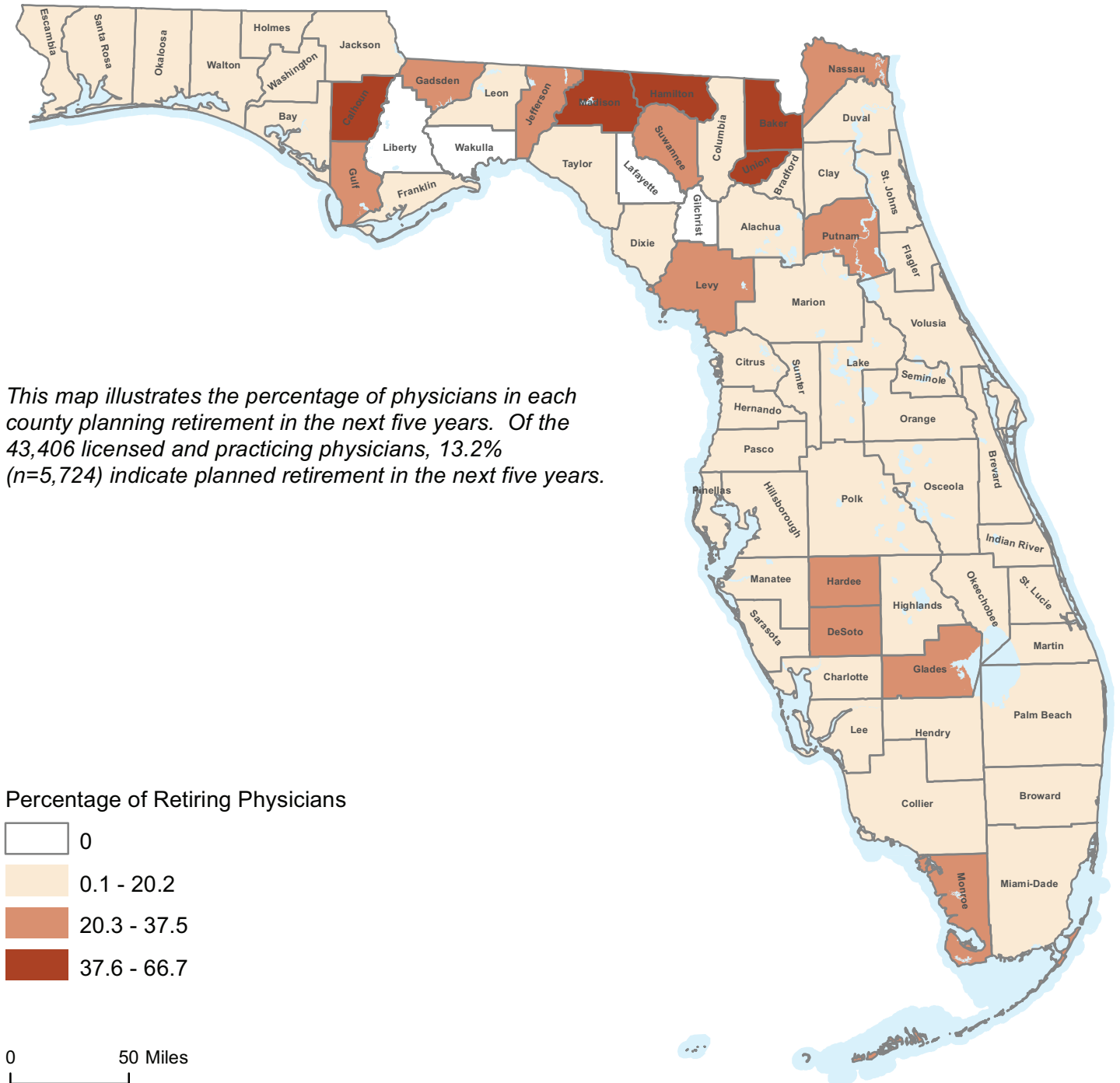


	2009/2010		2012/2013	
	Count	Percentage	Count	Percentage
Medicare	28,116	78.3%	33,696	79.9%
Medicaid	19,169	53.4%	24,294	57.9%
Total Medicare Responses	35,919		42,161	
Total Medicaid Responses	35,923		41,990	

Physicians not accepting new Medicare patients, and separately, not accepting new Medicaid patients, were asked to choose the main reason they are not currently accepting new patients with these insurance plans, as shown in Figure 15. For Medicare, the most common response was “Other” (3,404 or 54.9%). For Medicaid, the most common response was “Low Compensation” (6,734 or 46.8%).

	Medicare		Medicaid		
	Count	Percentage	Count	Percentage	
Other	3,404	54.9%	Low Compensation	6,734	46.8%
Low Compensation	928	14.9%	Other	4,135	28.7%
Practice is at full capacity	881	14.2%	Practice is at full capacity	1,610	11.2%
Billing Requirements	483	7.8%	Too Much Paperwork	1,050	7.3%
Too Much Paperwork	427	6.9%	Billing Requirements	739	5.1%
Concerned about Fraud Issues	83	1.3%	Concerned about Fraud Issues	134	0.9%
Total Responses	6,206	100.0%	Total Responses	14,402	100.0%

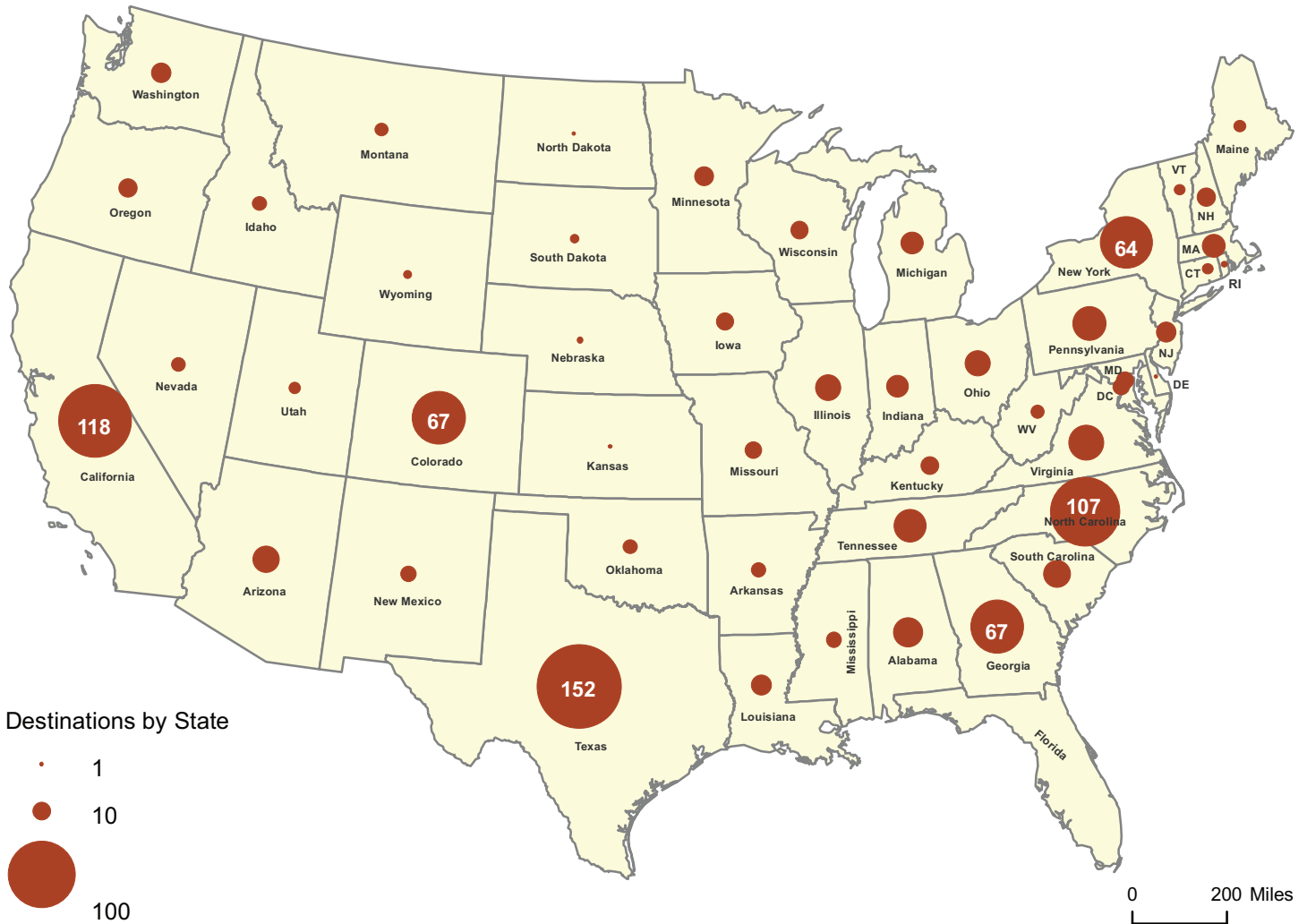
Florida's Physicians Planning to Retire in the Next Five Years



Source: Florida Department of Health 2012 & 2013 Physician Workforce Surveys



Destinations of Physicians Planning to Relocate in the Next Five Years



This map illustrates the planned destinations of Florida's active, licensed and practicing physicians who intend to move to practice in another state in the next five years. While 1,600 (3.7%) of Florida's 43,406 total licensed, practicing physicians plan to relocate, 1,144 (71.5%) specify a planned destination, as illustrated in the map above. Physicians also plan to relocate to Hawaii (17), Alaska (8), and out of country (98). Source: Florida Department of Health 2012 & 2013 Physician Workforce Surveys

Physicians' Reasons for Planning to Relocate in the Next Five Years

Reasons for Relocating	Count	Percentage
Family	416	26.9%
Compensation	259	16.8%
Other	241	15.6%
Liability Exposure	228	14.8%
Looking for a Change	218	14.1%
Medicare / Medicaid Reimbursement Rates	79	5.1%
Malpractice Insurance Rates	65	4.2%
Education / Training in Another State	25	1.6%
Private Health Plan Reimbursement Rates	14	0.9%
Total Responses	1,545	100%

This chart, based on its own survey question, provides physicians' reasons for planning to relocate in the next five years. Source: Florida Department of Health 2012 & 2013 Physician Workforce Surveys

Obstetrics and Gynecology Specialty Questions

In the 2012-2013 survey cycle, there were a total of 1,851 licensed and practicing OB-GYN physicians in Florida. All specialty questions are optional and response counts vary by question.

Two OB-GYN questions include “Do you deliver babies?” and “Are you planning to discontinue obstetric care in the next two years?” Of the 1,454 responding, 1,000 (68.8%) OB-GYN physicians report delivering babies as part of their practice, as shown below in Figure 16. Of the 1,399 responding, 233 (16.7%) OB-GYN physicians plan to discontinue obstetric care in the next two years, as shown below in Figure 17.

Figure 16:
Do you deliver babies?
(n=1,454)

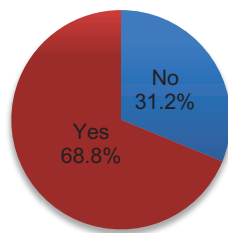


Figure 17:
Are you planning to discontinue obstetric care in the next two years?
(n=1,399)

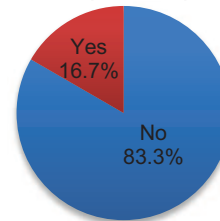


Figure 18 provides all applicable reasons for discontinuing obstetric care in the next two years. The most cited reason was “Liability Exposure” (95 or 21.8%).

Figure 18: Reasons for Discontinuing Obstetric Care in the Next Two Years (Check All That Apply) (n=436)

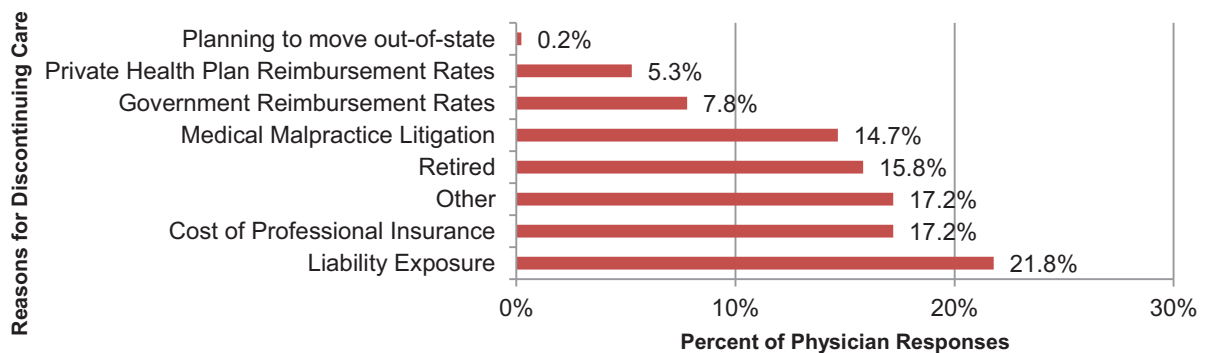


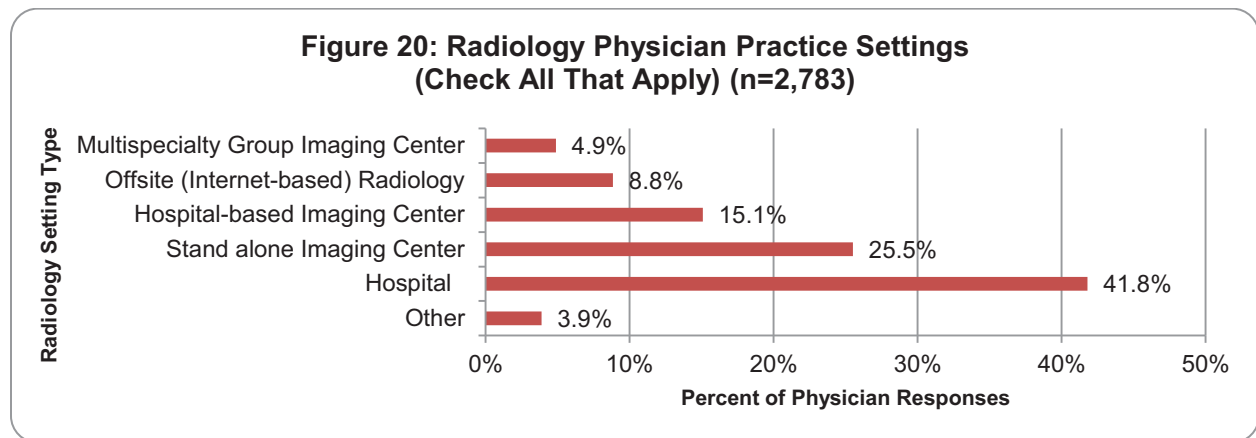
Figure 19 highlights changes in the number of OB-GYN physicians delivering babies from 2009-2013. Although the number of physicians responding to this question increased by 185 and the number of physicians indicating they perform deliveries also increased by 65, the percentage of physicians performing deliveries decreased by 7.0% over the time period.

Figure 19: OB-GYN Physicians by Delivery Status, 2009-2013								
	2009-2010		2010-2011		2011-2012		2012-2013	
	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage
Performing Deliveries	935	73.9%	827	70.6%	885	71.4%	1000	68.8%
Not Performing Deliveries	330	26.1%	345	29.4%	355	28.6%	454	31.2%
Total	1265	100.0%	1172	100.0%	1240	100.0%	1454	100.0%

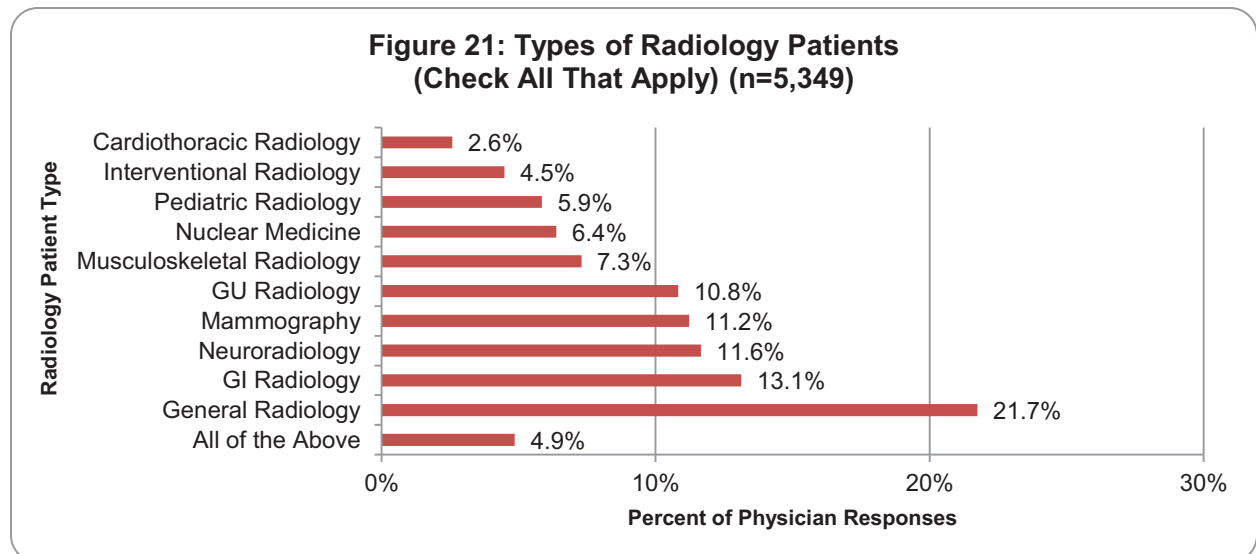
Radiology Specialty Questions

In the 2012-2013 survey cycle, there were a total of 1,963 licensed and practicing radiologists in Florida. All specialty questions are optional and response counts vary by question. The radiology specialty questions provide information on radiology physician practice settings, types of radiology services offered, and mammography availability.

Of those responding, 1,163 (41.8%) indicated practicing at a hospital and 710 (25.5%) indicated practicing at a stand-alone imaging center, as shown below in Figure 20.

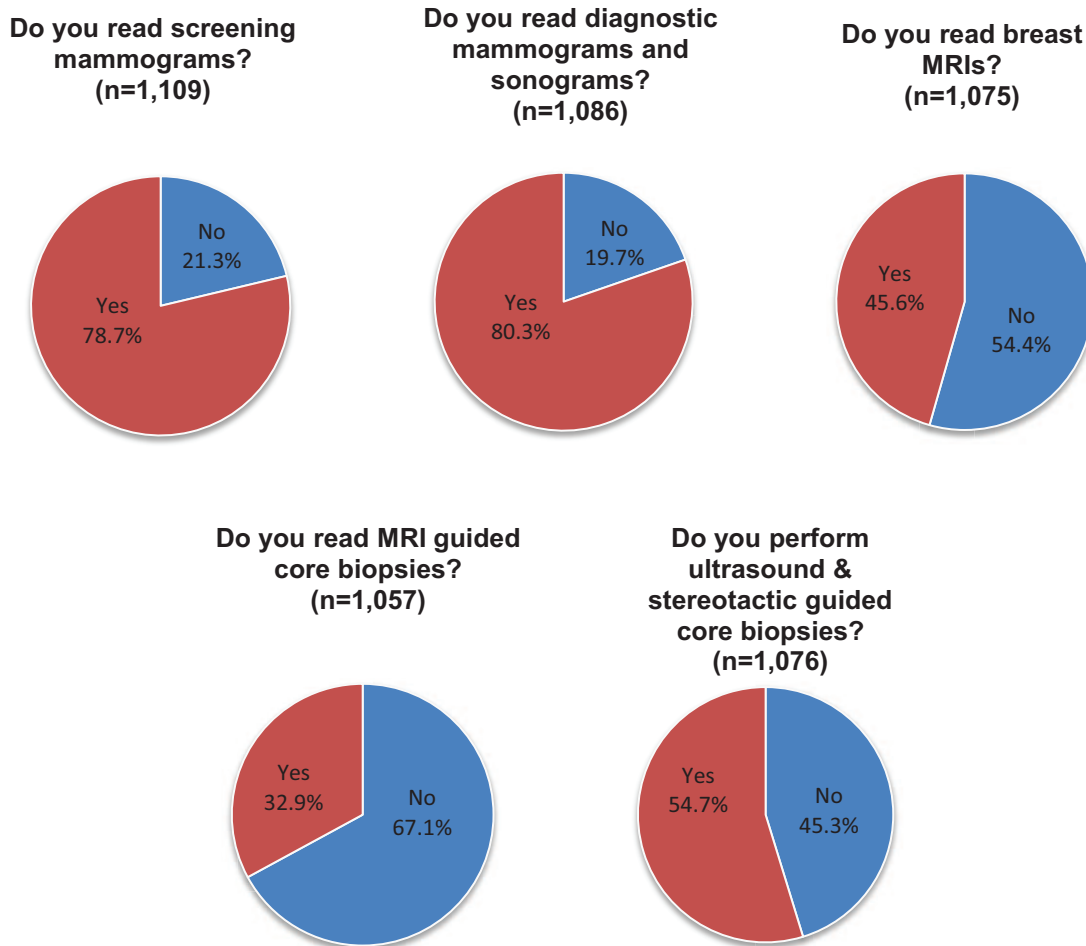


Radiology physicians were also asked to specify all types of patients they see. Figure 21 shows general radiology as the most common response (1,163 or 21.7%) and gastrointestinal radiology as the second most chosen response (702 or 13.1%).



Radiology physicians who indicated mammography was part of their practice were asked a related series of yes or no questions. The pie charts below in Figure 22 illustrate their responses. Of those radiology physicians responding to the question, 873 (78.7%) indicated they read screening mammograms and 872 (80.3%) read diagnostic mammograms and sonograms. The numbers drop after that, with only 490 (45.6%) reading breast MRIs. Mammography is an important tool in the detection of breast cancer, making access to this procedure a consideration in physician workforce planning.

Figure 22: Mammography and Related Radiological Procedures



Conclusions

The Florida Department of Health renews its commitment to review, assess, and critique health care access for all Floridians and will continue to support the efforts of the Physician Workforce Advisory Council. As detailed in the update to the strategic plan (Appendix B), efforts include an expanded capacity for graduate medical education, the recruitment and retention of Florida physicians, and an increase in the diversity of the medical education applicant pipeline, which will lead to a more diverse workforce in underserved communities.

Key points from physician workforce analysis include:

- Florida is below the national average for physicians per 100,000 and primary care physicians per 100,000 (2011 AAMC State Physician Workforce Data Book)
- The state's physician workforce is getting older each year, as physicians age 50 and over is increasing at a higher rate than physicians under age 50
- Each year, more physicians are planning to retire due to an aging workforce
- Physicians are generally concentrated in counties with higher populations, urban cities, or large medical institutions

The successful implementation of physician workforce assessment and planning in this state has resulted in new information for policymakers on clinical practice, geographic location, and scope of practice for Florida physicians. The continuing refinement, evaluation, and reporting of this data will assist in the state's effort to meet current and future physician workforce needs. Further, the Department will continue to work with all health professional organizations to develop innovative patient-centered healthcare delivery systems.

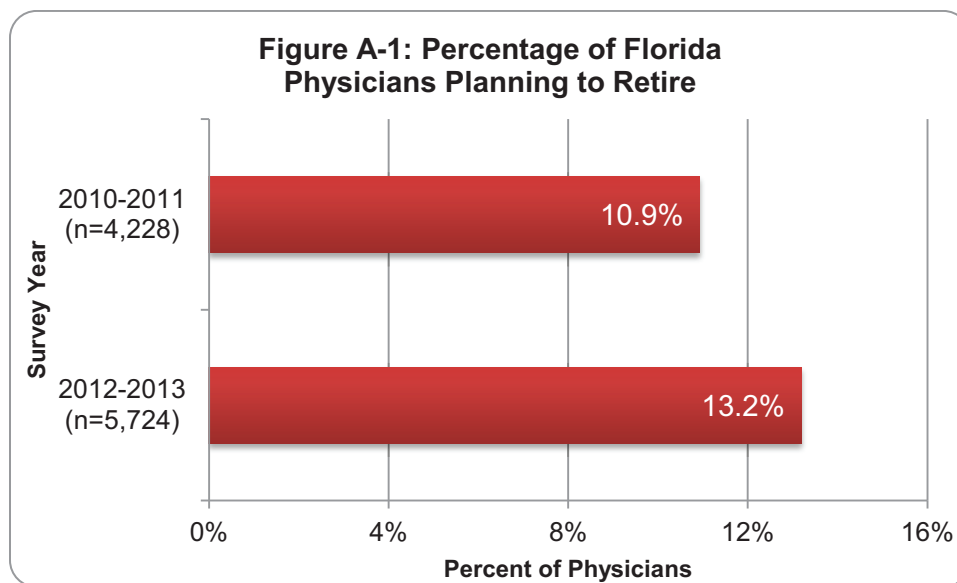
Appendix C: Florida's Licensed, Non-Practicing Physicians provides summary information on physicians licensed in Florida, but not actively practicing in Florida.

Appendix D provides key definitions and information regarding Physician Workforce Survey revisions.

APPENDIX A

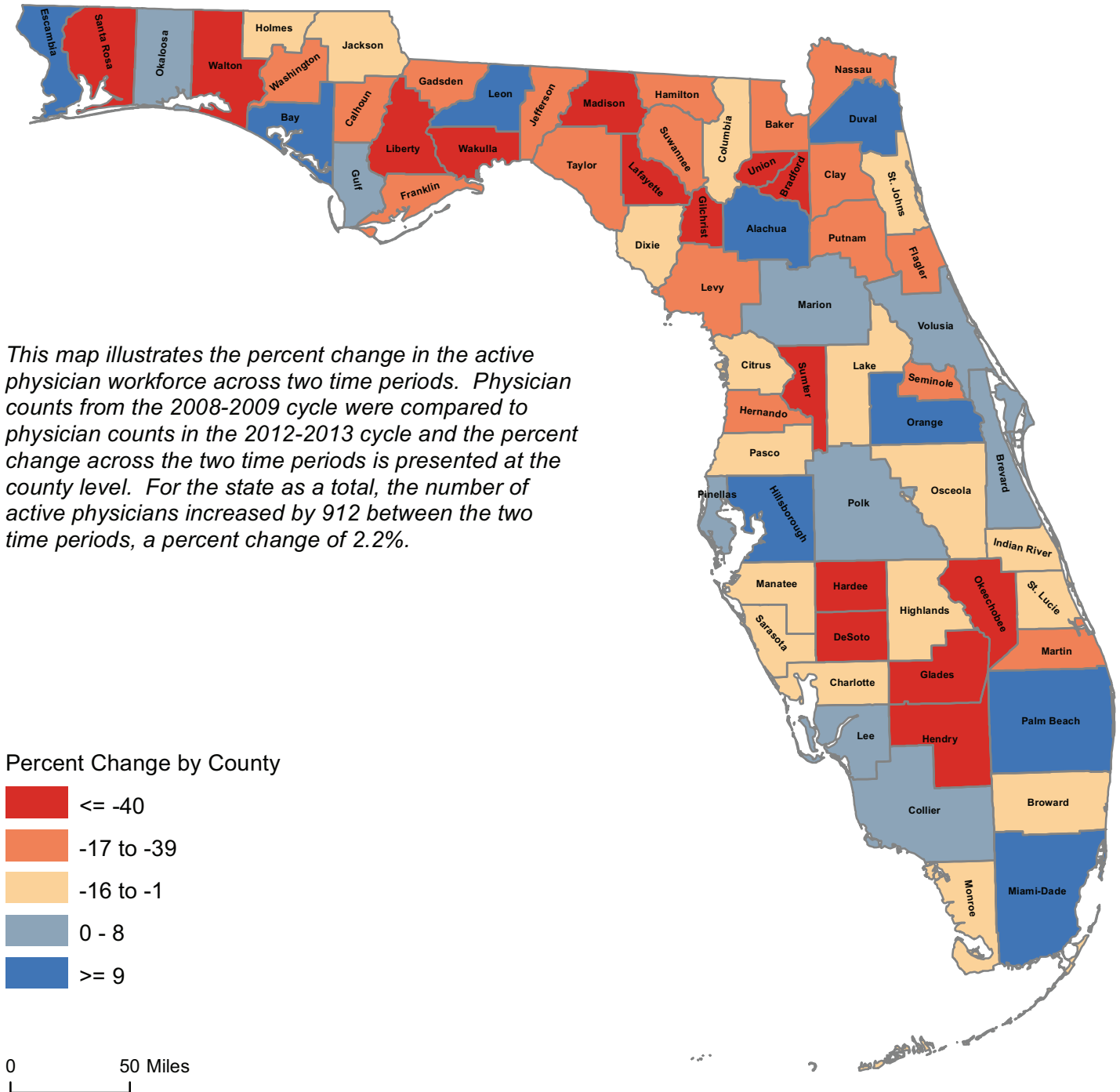
Changes in the Physician Workforce

In 2010-2011, there were 38,699 licensed and practicing physicians in Florida and of those, 4,228 (10.9%) indicated planned retirement in the next five years. In 2012-2013, there were 43,406 licensed and practicing physicians in Florida and of those, 5,724 (13.2%) indicated planned retirement in the next five years. The number of physicians indicating planned retirement increased by 1,496 (20.7%) during this time period.



Comparing the number of physicians by county in the 2008-2009 survey cycle to the 2012-2013 survey cycle indicates the number of Florida's practicing physicians increased by 912 (2.2%). The counties with the greatest loss of physicians are scattered throughout the state in rural areas. Counties with the greatest increase in physicians are those with large population centers and medical schools. The following map illustrates the percent change in the number of physicians by county.

Percent Change in Physician Counts 2008-2009 and 2012-2013



This map illustrates the percent change in the active physician workforce across two time periods. Physician counts from the 2008-2009 cycle were compared to physician counts in the 2012-2013 cycle and the percent change across the two time periods is presented at the county level. For the state as a total, the number of active physicians increased by 912 between the two time periods, a percent change of 2.2%.

Source: Florida Department of Health 2008-2013 Physician Workforce Surveys



APPENDIX B

Update on the Physician Workforce Strategic Plan

Focus Area 1: Graduate Medical Education

The 2013 legislative session resulted in the passage of SB 1520 which repealed the Community Hospital Education Act (s.381.0403, *Florida Statutes*) and established the Statewide Medicaid Residency Program. The Agency for Health Care Administration will provide funds to hospitals based on certain criteria and a formula for calculating each participating Medicaid hospital's portion.

The Physician Workforce Advisory Council will continue to provide guidance to both the Department of Health and the Agency for Health Care Administration as requested to assure compliance with the Statewide Medicaid Residency Program as enacted by SB 1520.

Focus Area 2: Physician Attraction, Retention, and Retraining

Representatives from the Florida Comprehensive Assessment, Remediation, and Education Services (CARES) program provided a presentation to the Physician Workforce Advisory Council. Florida CARES, located within the University of Florida's College of Medicine, assists physicians by providing physician assessments and recommendations for remediation.

Although currently a relatively small program, the Council agreed that the expansion of the Florida CARES model to a regional or state level would assist in returning physicians to practice, including the state's currently large retired physician population. Topics for further discussion by the Council for this strategic plan focus area include the level of demand for retraining, the current lack of infrastructure and facilities, and the funding requirements. The Council will explore new possibilities for physician retraining in the future and concluded that while the issues of physician attraction, retention, and retraining are highly important, it is recommended that current resources and efforts be focused on the Graduate Medical Education and Medical Education and Applicant Pipeline focus areas, at least for the coming year.

Focus Area 3: Medical Education and the Applicant Pipeline

Pipeline programs are defined as programs with a goal of recruiting interested students from underprivileged backgrounds and developing them into competitive applicants to medical school, thus increasing diversity of the healthcare workforce. These programs typically start in

middle school, but some may begin prior to or after that time, and continue through the undergraduate college years. Activities may include shadowing, focused instruction in SAT and MCAT preparation, and exposure to medical students, residents, and practicing physicians, among others.

The Medical Education and Applicant Pipeline workgroup and Department staff composed a letter that addressed the need for collecting information about the state's medical schools' pipeline programs. The medical schools were asked in the letter to provide the following items:

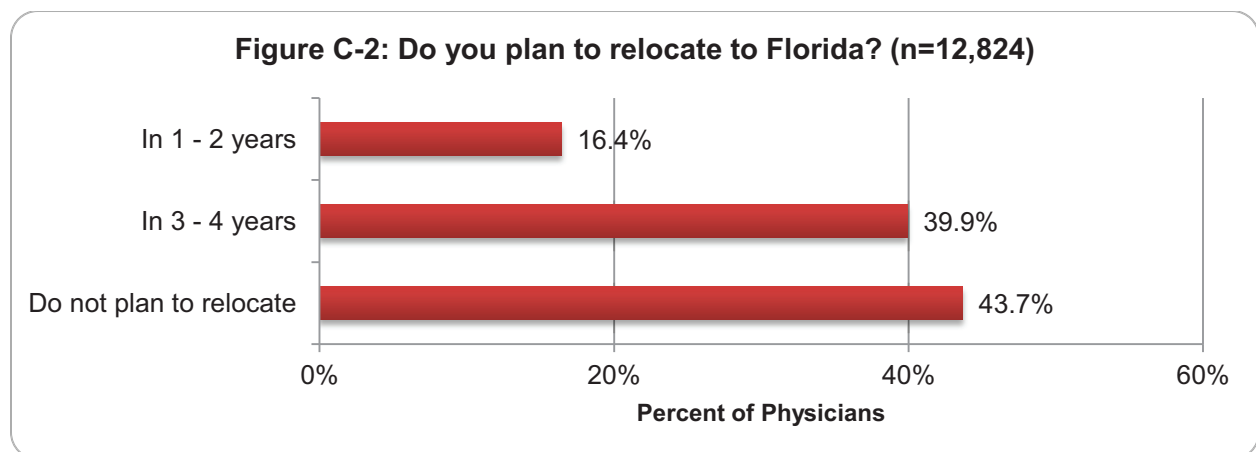
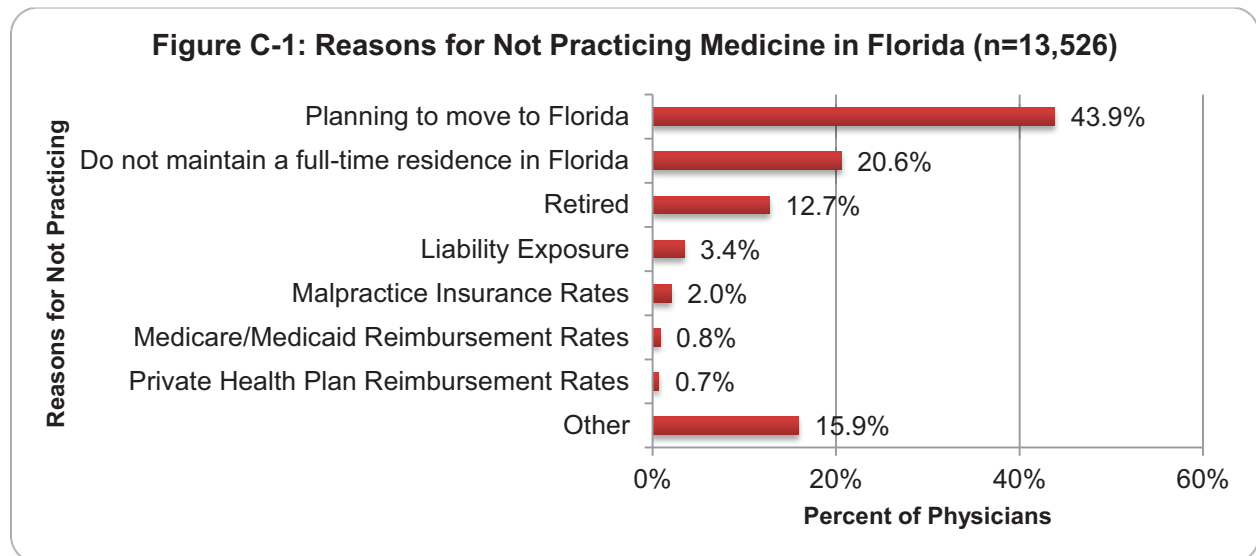
- A brief description of each program
- The number and demographic profile of participating students
- The estimated program operating costs and major funding sources
- If and how each program targets middle and high school students from rural or underserved areas
- If and how each program promotes the rewards of practicing primary care medicine
- Outcome data of participating students, including the number and percentage of those that entered medical school, completed medical school (in- or out-of-state), type and location (in- or out-of-state) of medical residency program completed and whether they are practicing medicine in Florida
- Outcome data of participating students who entered a healthcare profession other than medicine or entered a graduate program

The materials provided by the medical schools will be reviewed to identify best practices of all medical school pipeline programs, including standard measurements of effort and results. Measuring the progress towards increasing the retention of these students and tracking and documenting the subsequent increase in physicians practicing within underserved areas is a priority strategic planning activity.

APPENDIX C

Florida’s Licensed, Non-Practicing Physicians

In the 2012-2013 survey cycle, 13,897 physicians (22.3% of survey respondents) were licensed but not actively practicing in Florida. Understanding the reasons cited for non-practice (Figure C-1) is useful when considering physician attraction and retention initiatives. Physicians were asked to choose the main reason for holding a Florida license but not practicing medicine in the state. The most common response was “Planning to move to Florida” (5,931 or 43.9%). Figure C-2 shows 2,104 physicians (16.4%) plan to relocate to Florida within two years.



APPENDIX D

Key Definitions

Physician Workforce Survey: The survey completed by all medical doctors (MDs and DOs) biennially during their Florida license renewal process. In the 2012-2013 renewal cycle, the Department received 62,312 individual responses to the survey. Of these, 43,406 were active, licensed and practicing physicians. Of these, 43,144 had addresses that could be geocoded for the geographic display of physician workforce information.

Licensed, practicing physicians: Physicians who indicated they practiced medicine in Florida, had an address in a Florida county, and who had a clear and active license status. Active licensed physicians also provided information as to whether they were a resident, intern, or fellow.

Licensed, non-practicing physicians: Physicians who hold a valid Florida license but are not currently practicing medicine in the state.

Primary specialty: The primary specialty as reported by the physician. Because survey and specialty questions vary by specialty, not every question is answered by every physician. Therefore response counts are provided throughout the report.

Primary care physicians: Primary care physicians are physicians indicating their practice is in family medicine, internal medicine, or pediatrics.

Physician Workforce Survey Revisions

The Florida Department of Health Physician Workforce Survey is administered by the Department's Division of Medical Quality Assurance and began in 2006 as a voluntary questionnaire. State leaders passed legislation making the survey a requirement for physician license renewal starting in 2007. Working with physicians and stakeholders throughout the state, the Department has produced five versions of the survey, all of which are available for download or viewing at

http://www.doh.state.fl.us/Workforce/Workforce/Physician_Workforce.html.