

2016 PHYSICIAN CENSUS SUMMARY REPORT

SUMMARY

- There were 2182 physicians providing patient care in Vermont (2082 MDs and 100 DOs) in 2016.
- This includes 122 in telemedicine and 117 who provide patient care in Vermont less than 4 hours per week.
- This does not include another 107 working in Vermont on a locum tenens basis.

SUMMARY

- There were 2182 physicians providing patient care in Vermont (2082 MDs and 100 DOs) in 2016.
- 38% (838) of the physicians were female, 62% male.
- 41% have worked in Vermont less than 10 years, and 33% have worked in Vermont 20 or more years.
- 33% attended medical school and/or completed residency training at the University of Vermont.

PRIMARY CARE

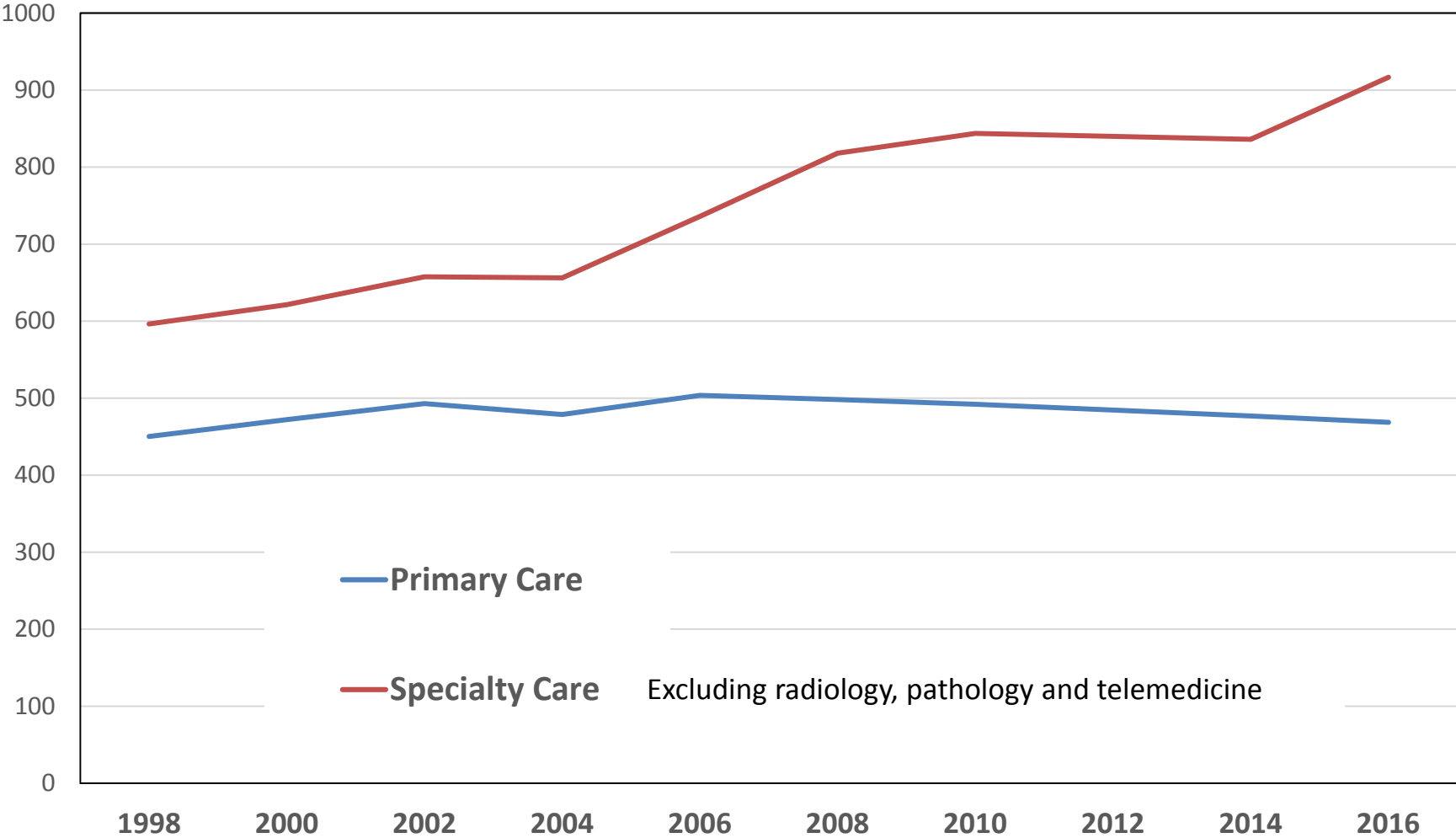
- 29% (636) worked mainly in primary care, including:
 - 13% (286) in family practice
 - 7% (162) in primary care internal medicine
 - 3% (71) in obstetrics and gynecology
 - 5% (117) in pediatric primary care
- There were 468.6 primary care Full Time Equivalents (FTEs) - 75.0 per 100,000 population statewide, a slight drop since 2014

SPECIALTY CARE

71% (1546) worked mainly in specialty care:

- 5% (105) in anesthesiology
- 8% (167) in emergency medicine
- 4% (92) hospitalists
- 11% (246) in specialty internal medicine
- 8% (175) in psychiatry
- 8% (176) in radiology (including tele-radiology)
- 8% (175) in surgery (54 general, 81 orthopedic)
- 19% (410) other specialties (23 dermatology, 44 neurology, 41 ophthalmology, 62 pathology, 40 pediatric specialists, 23 urology)

Physician FTEs Over Time



Specialty care has grown rapidly while primary care stayed static

CHANGES OVER TIME: PRIMARY CARE

In 2016, as compared with the year 2006:

- There are 4 fewer primary care physicians, and 35 fewer FTEs.
- There was a net decrease of 12 physicians in primary care internal medicine, and 5 in family medicine.
- There was a net increase of 9 physicians in pediatric primary care, and 4 in obstetrics and gynecology.
- Statewide, primary care FTEs per 100,000 population decreased from 80.7 to 75.0.
- Outside of Chittenden County, primary care FTEs per 100,000 population decreased from 74.8 to 69.1.

CHANGES OVER TIME: PRIMARY CARE

In 2016, as compared with the year 2014:

- There were the same number of primary care physicians, but 8.3 fewer FTEs.
- There was a net increase of 2.9 FTEs in family medicine, but a decrease of 4.3 FTEs in primary care internal medicine and 7.4 FTEs in pediatrics.
- Statewide, primary care FTEs per 100,000 population decreased from 76.1 to 75.0.
- Outside of Chittenden County, primary care FTEs per 100,000 population decreased, from 71.4 to 69.1.

CHANGES OVER TIME: SPECIALTY CARE

In 2016, as compared with the year 2006:

- There are 456 more specialty care physicians.
- Not counting radiology and pathology*, there are 328 more specialists, and 180.6 more specialty care FTEs.
- FTE increases were especially large in hospitalists, anesthesiology, emergency medicine, and specialty internal medicine.

* Many radiologists and pathologists practice via telemedicine, and FTEs cannot be determined

CHANGES OVER TIME: SPECIALTY CARE

In 2016, as compared with the year 2014:

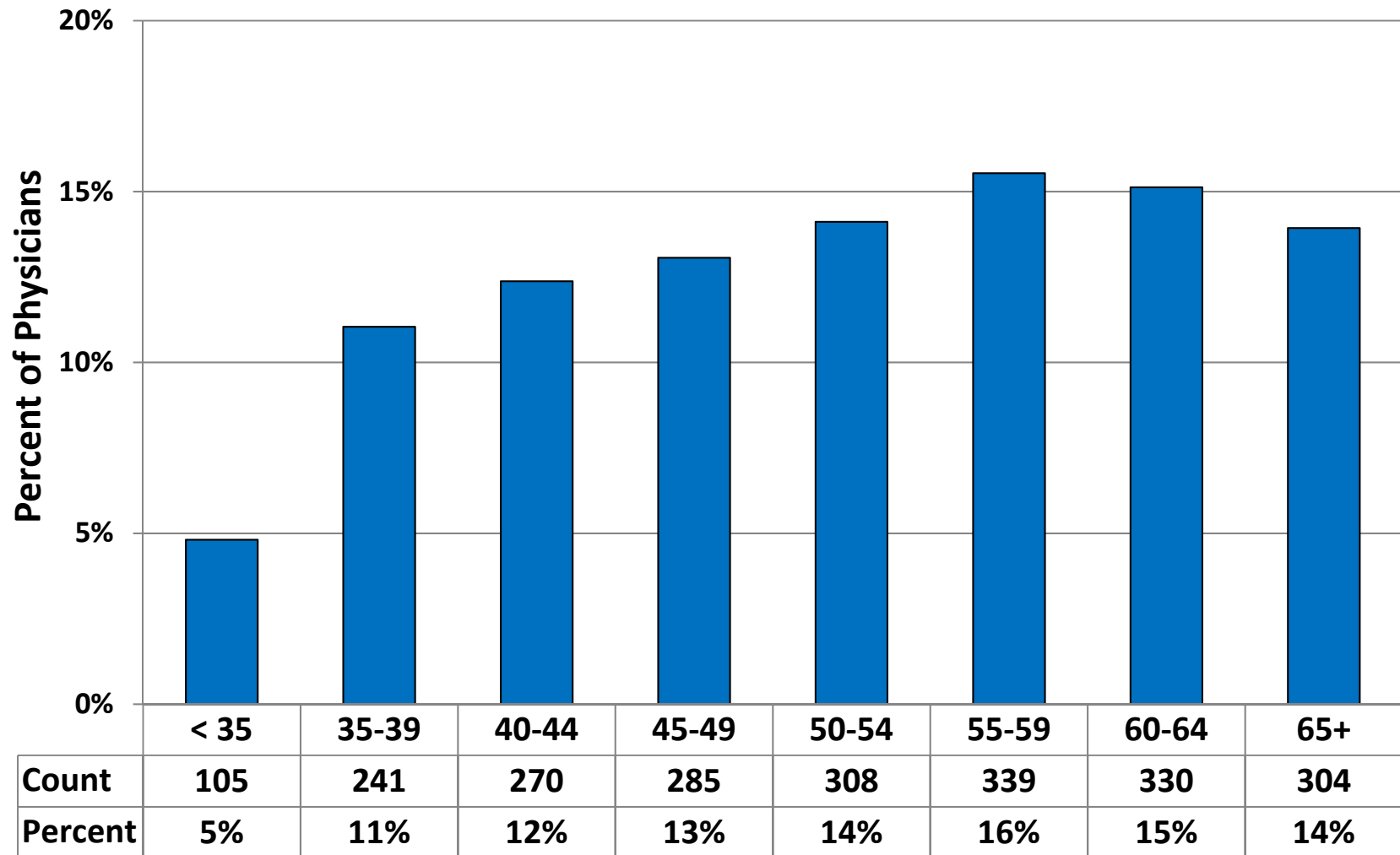
- There are 249 more specialty care physicians.
- Not counting radiology and pathology*, there are 116 more specialists, and 80.5 more specialty care FTEs.
- FTE increases were especially large in specialty internal medicine and general surgery.

* Many radiologists and pathologists practice via telemedicine, and FTEs cannot be determined

AGE OF PHYSICIANS

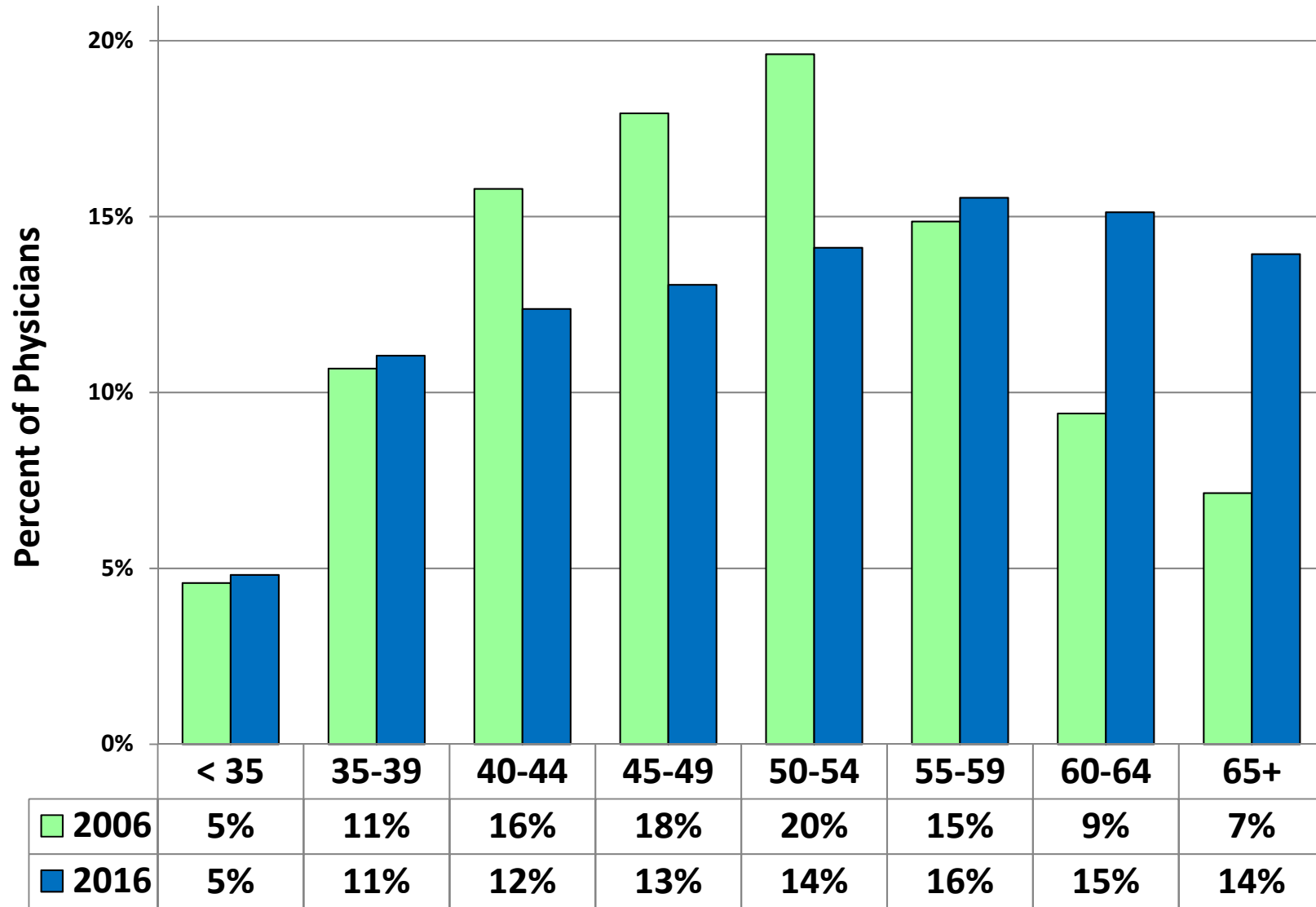
- Ages ranged from 28 to 88, with a median age of 53.
- In 7 of 14 counties, at least 39% of the primary care physicians were over age 60
- 27% of specialists were over age 60, including:
 - 47% of psychiatrists
 - 39% of general surgeons
 - 34% of ophthalmologists

Age Distribution

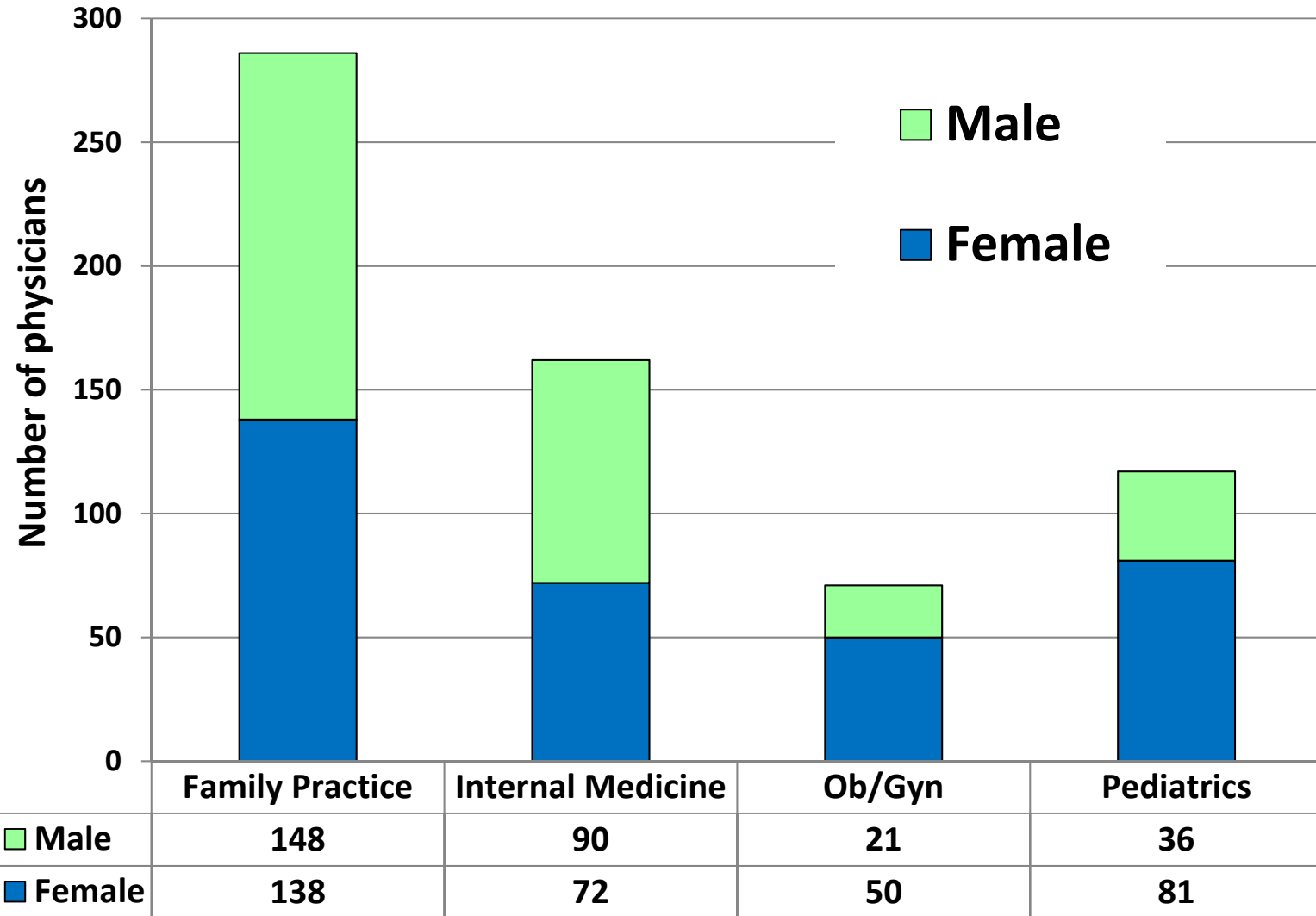


29% of all physicians are over age 60

Age Distribution Over Time: 2016 vs. 2006

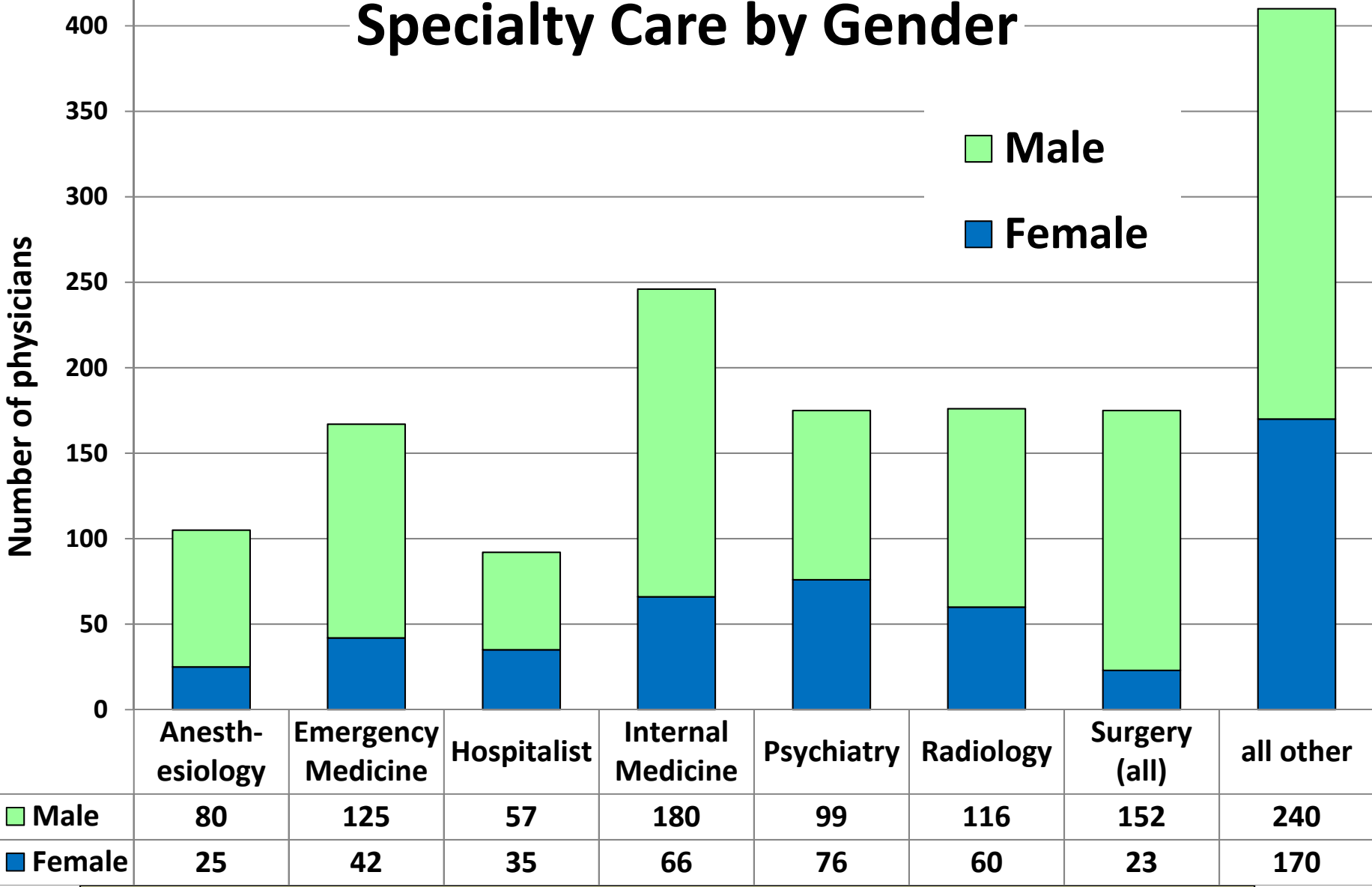


Primary Care by Gender



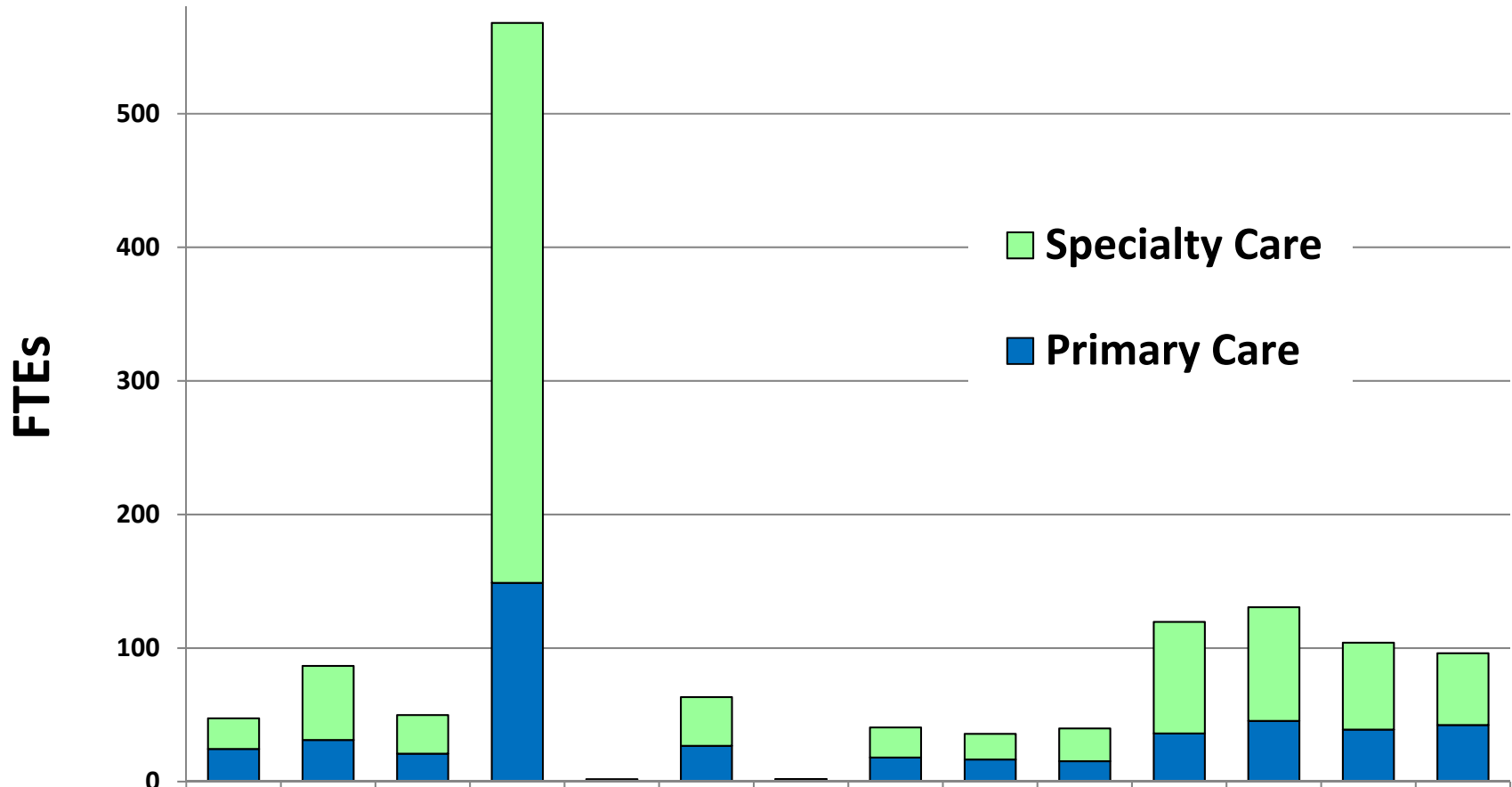
69% of pediatricians and 70% of OB/GYNs are female

Specialty Care by Gender



Most specialty care physicians are male

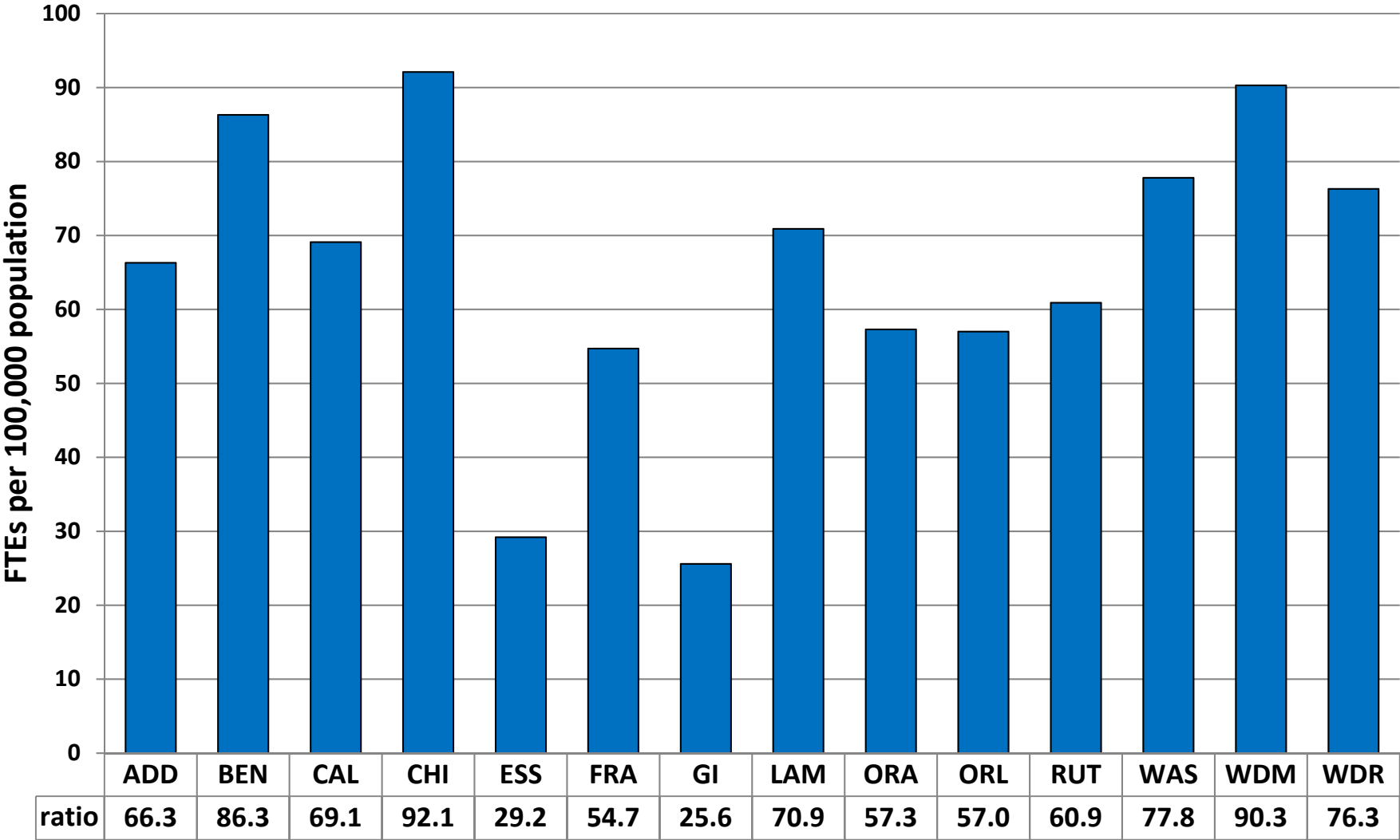
Full Time Equivalents (FTEs) by County



	ADD	BEN	CAL	CHI	ESS	FRA	GI	LAM	ORA	ORL	RUT	WA S	WD M	WD R
Specialty Care	22.9	55.4	28.9	419	0	36.5	0.1	22.5	19.2	24.5	83.5	85.1	65	53.7
Primary Care	24.5	31.2	20.9	149	1.8	26.8	1.8	18	16.6	15.3	36.1	45.5	39	42.4

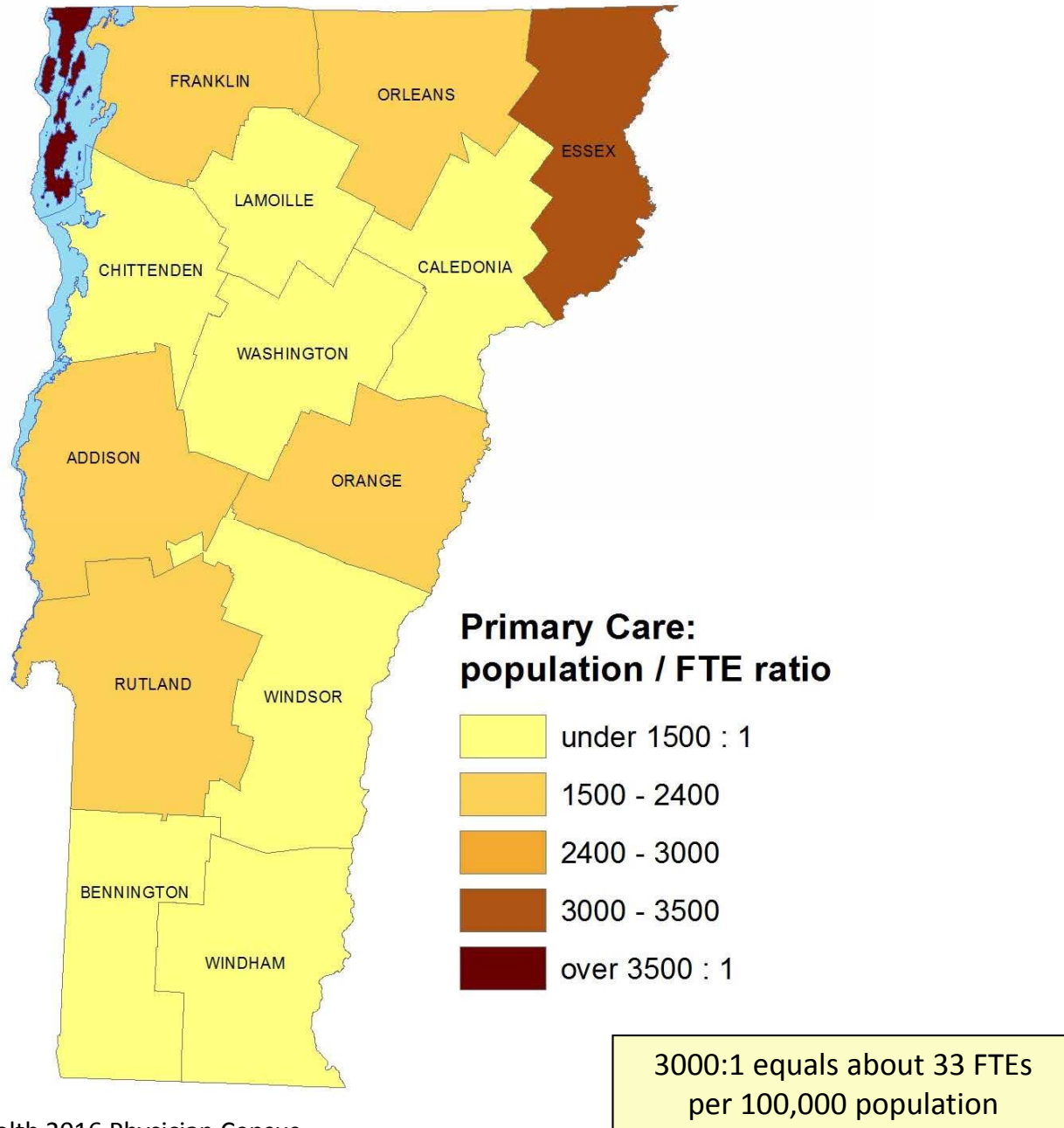
Physicians are highly concentrated in Chittenden County

Primary Care FTE to Population Ratios by County

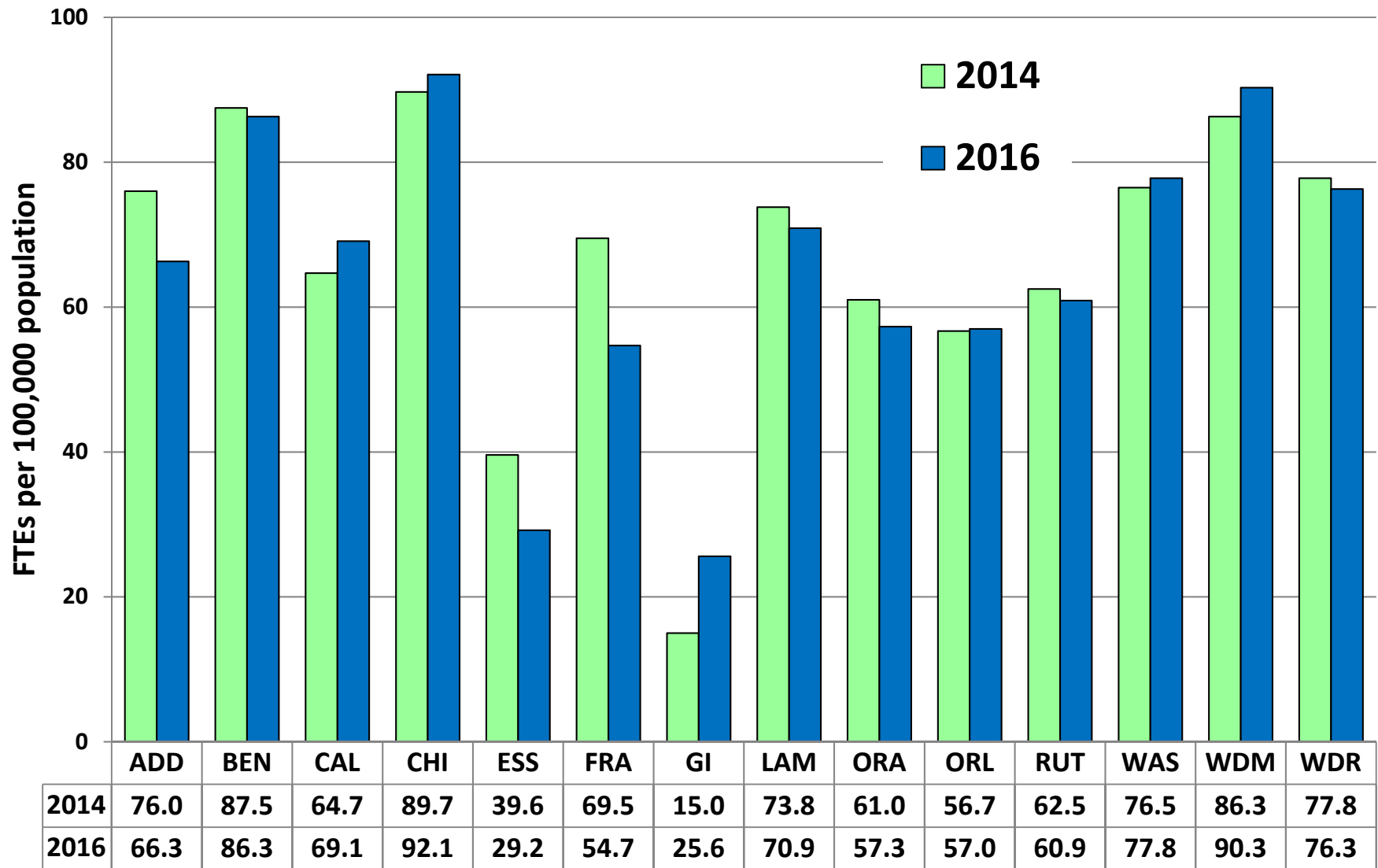


Several counties have a shortage of primary care physicians relative to their population

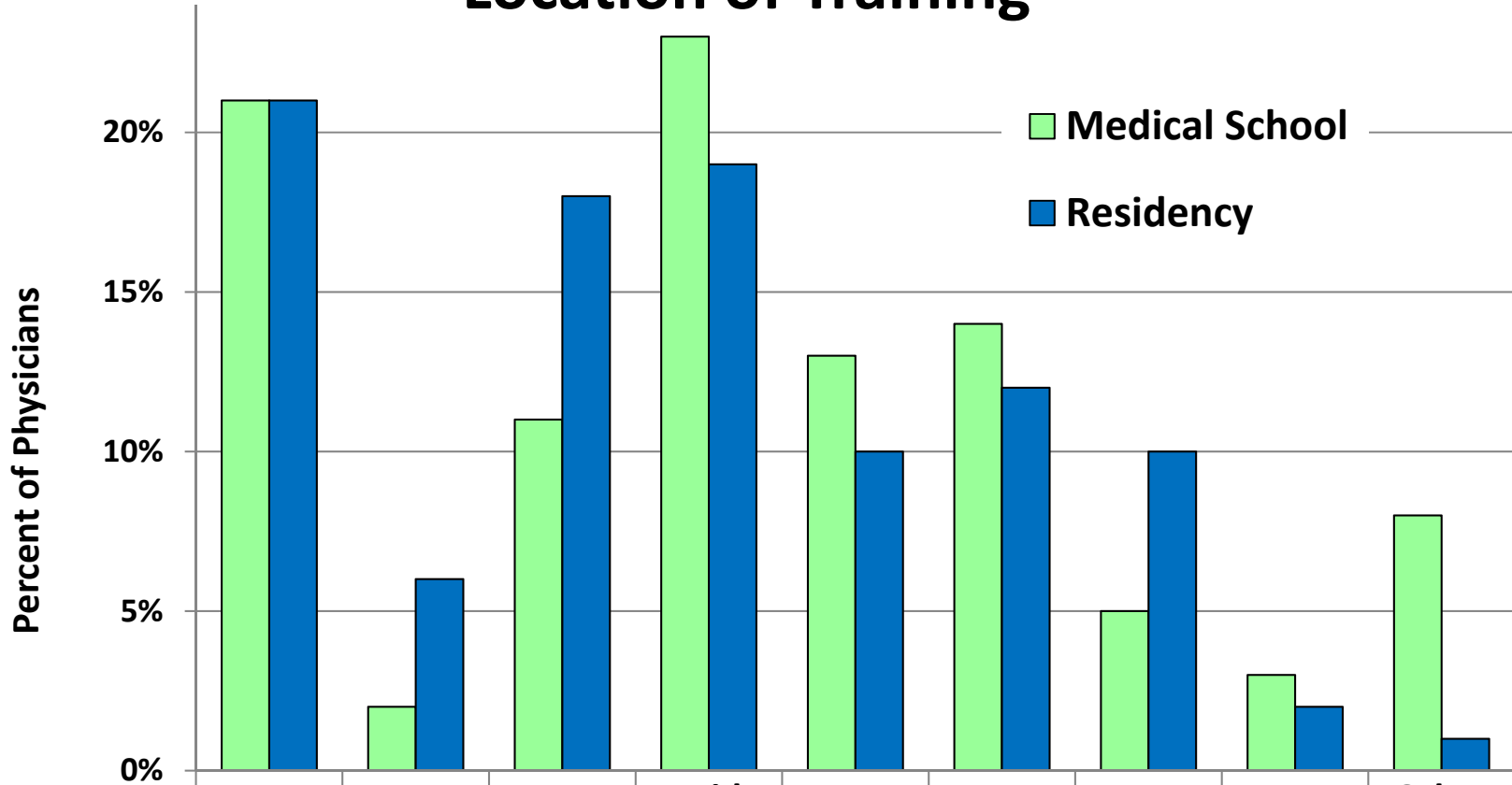
2016 Primary Care Physicians by County



Primary Care FTE to Population Ratios: 2014 and 2016



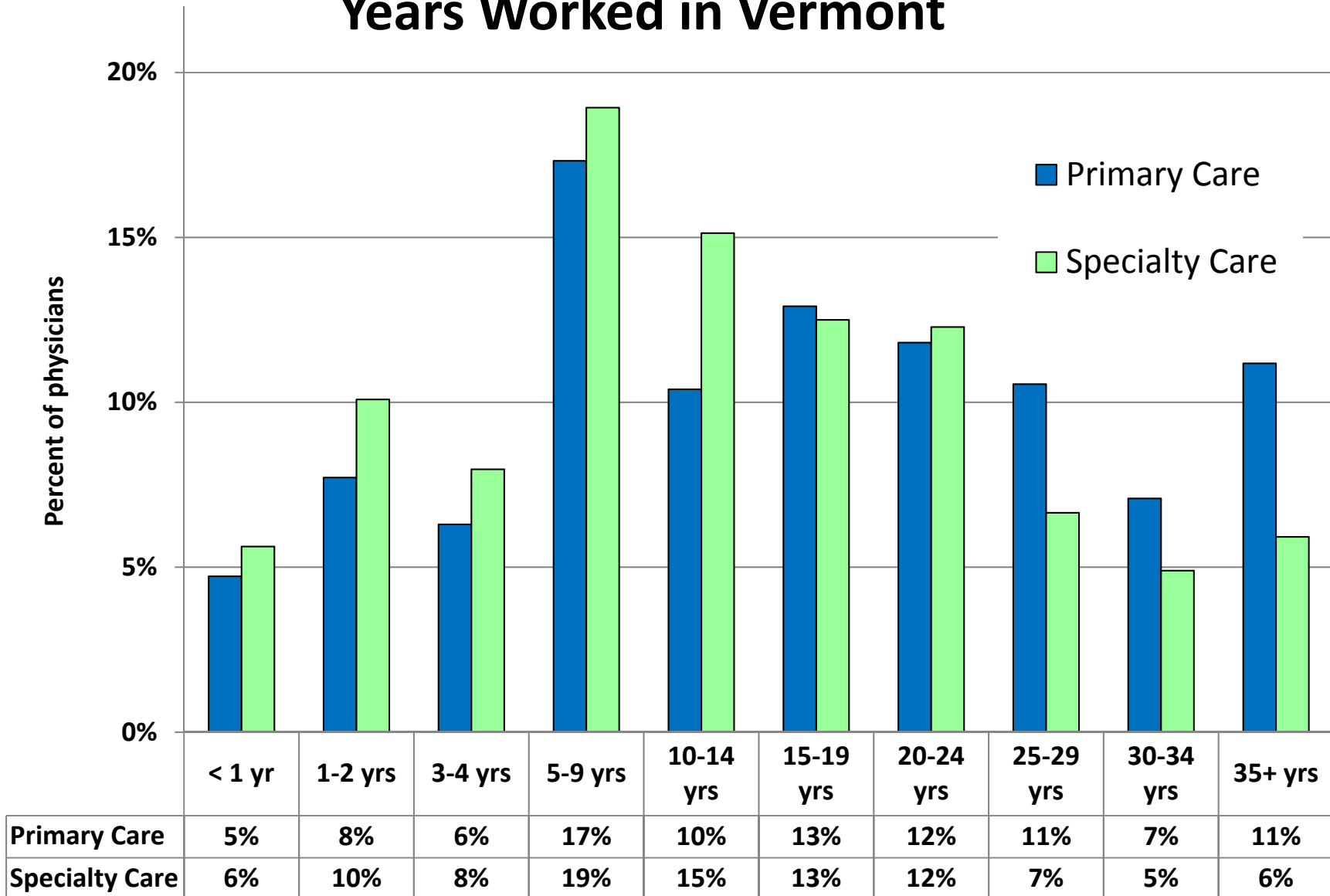
Location of Training



	VT	NH	New England	Mid Atlantic	South	Central	West	Canada	Other Foreign
Medical School	21%	2%	11%	23%	13%	14%	5%	3%	8%
Residency	21%	6%	18%	19%	10%	12%	10%	2%	1%

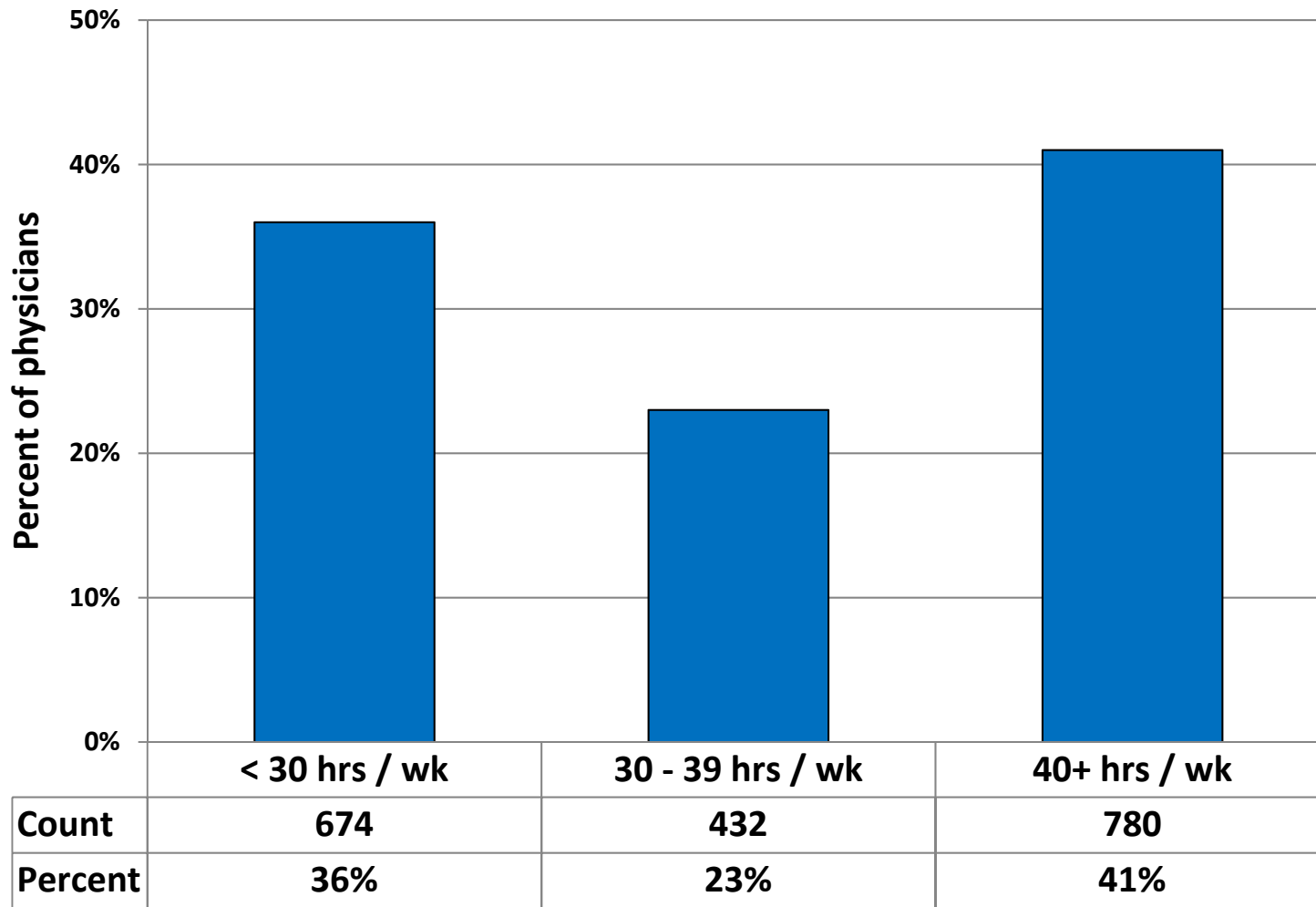
33% of physicians (41% of primary care) attended medical school and/or completed residency training at UVM

Years Worked in Vermont



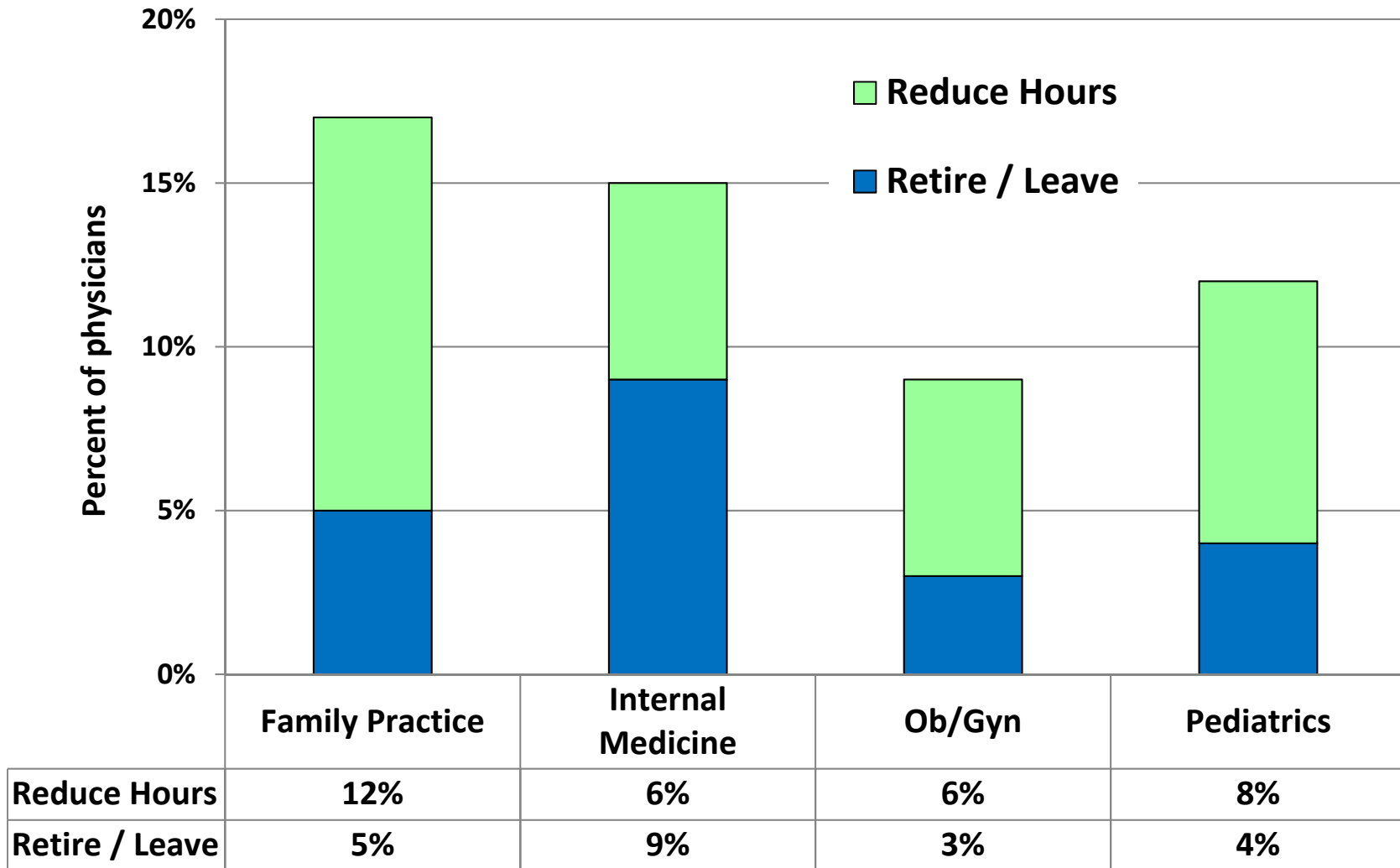
52% of the physicians have been in practice (anywhere) 20 years or more

Patient Care Hours Per Week

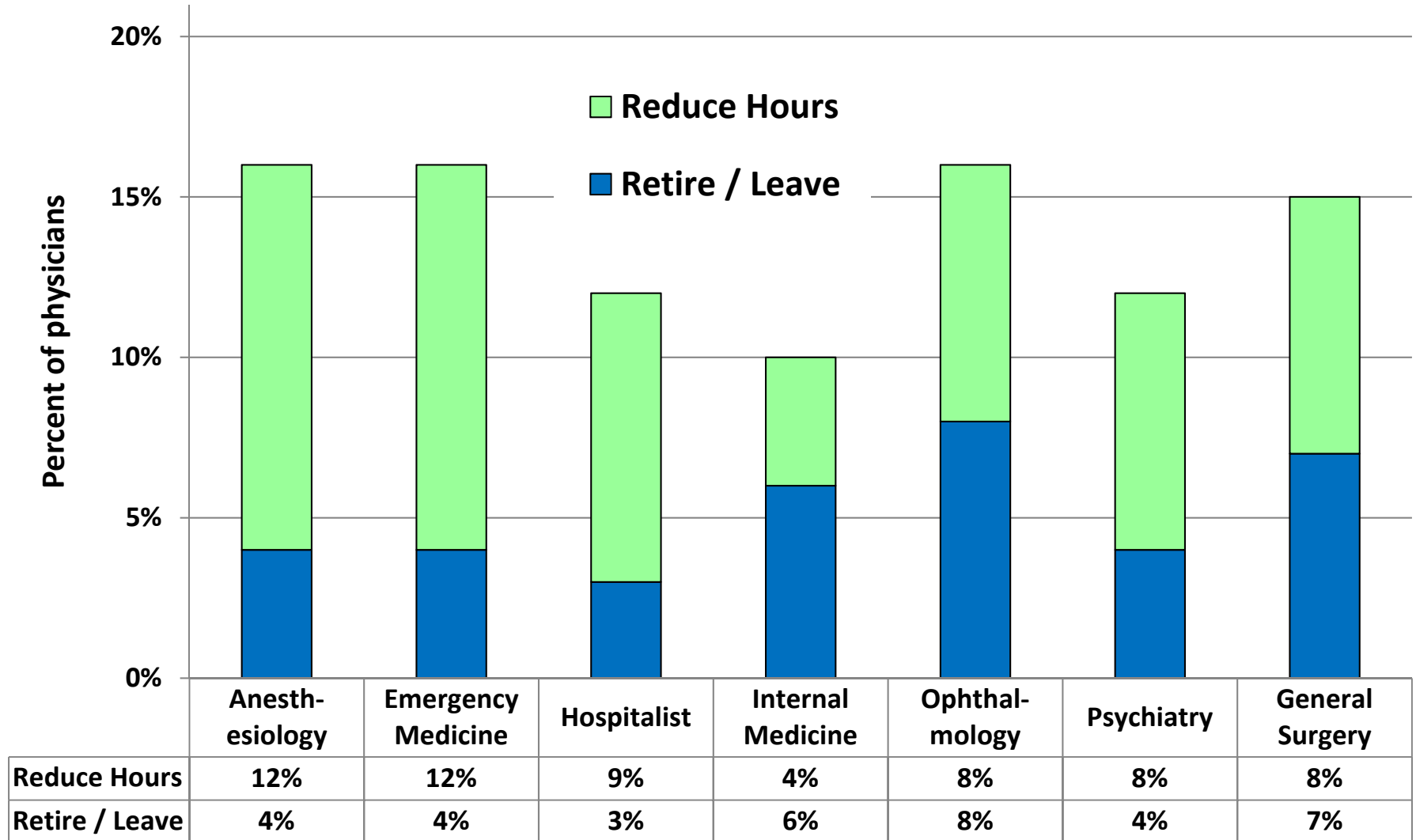


Average patient care hours per week: 33 overall, 25 for ages 65 and older.

Planning to Retire or Reduce Hours Worked in Vermont Within 12 Months – Primary Care

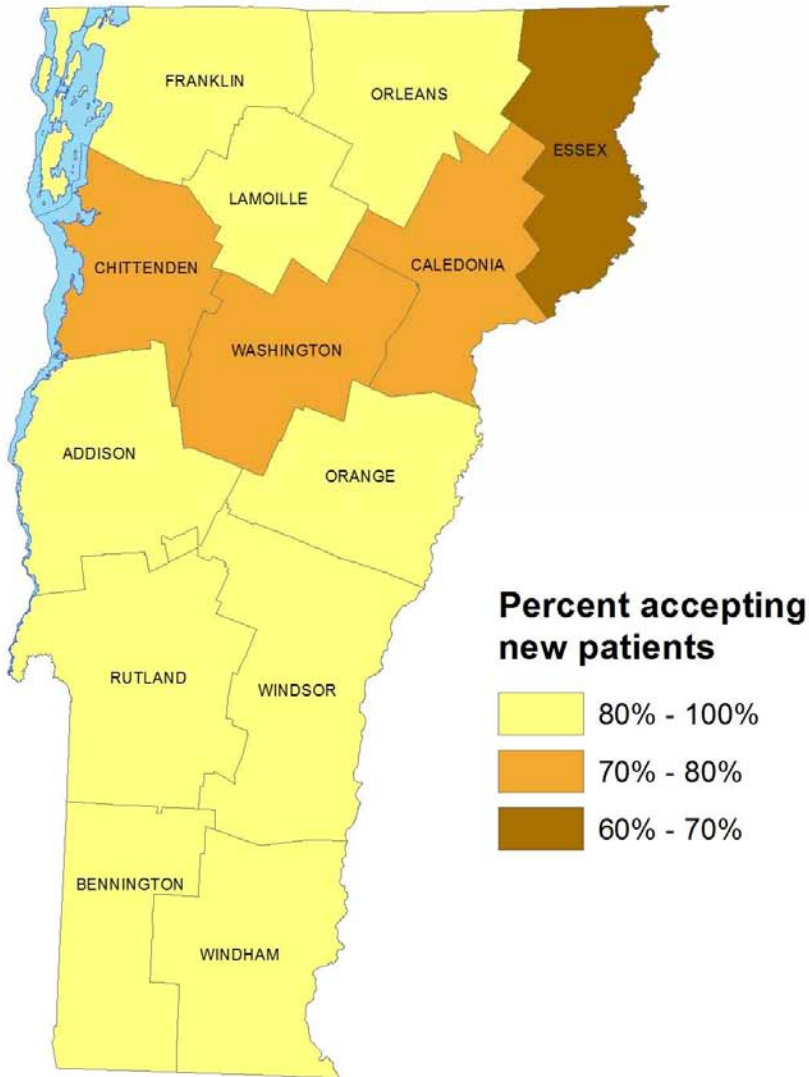


Planning to Retire or Reduce Hours Worked in Vermont Within 12 Months – Specialty Care

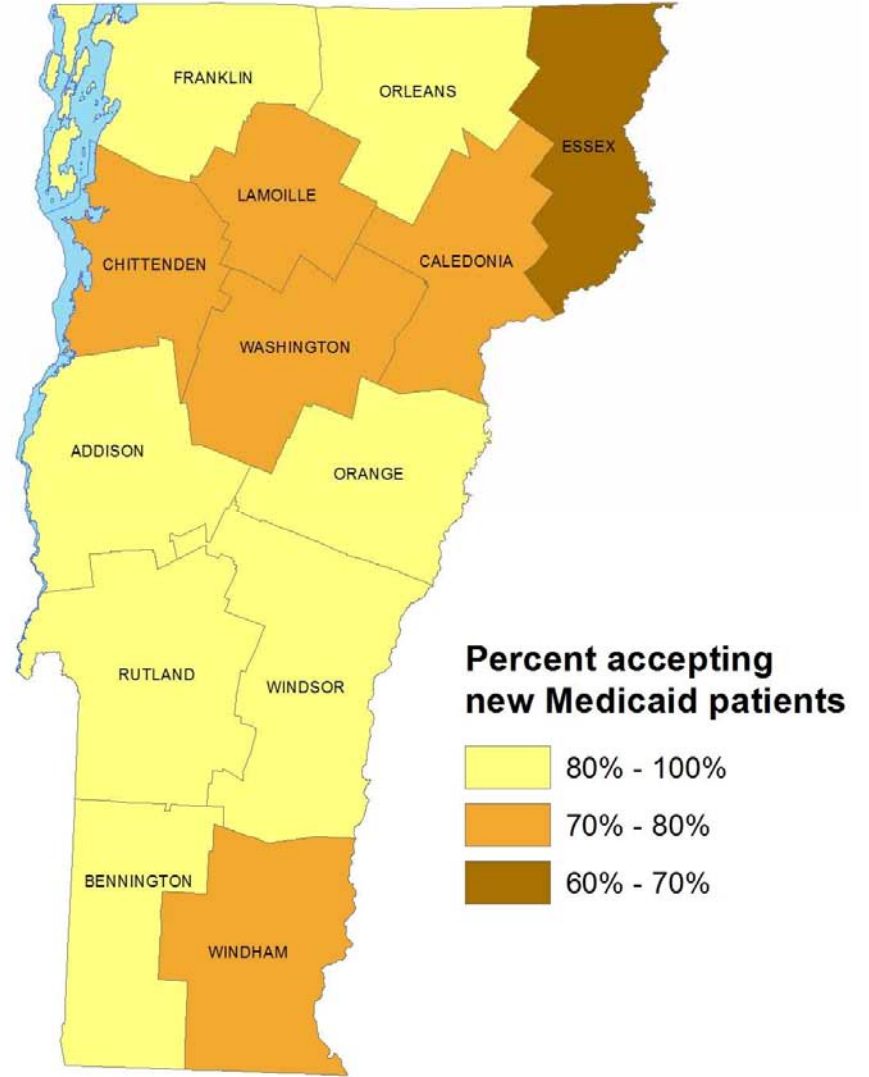


Primary Care Physicians: New Patients, by County

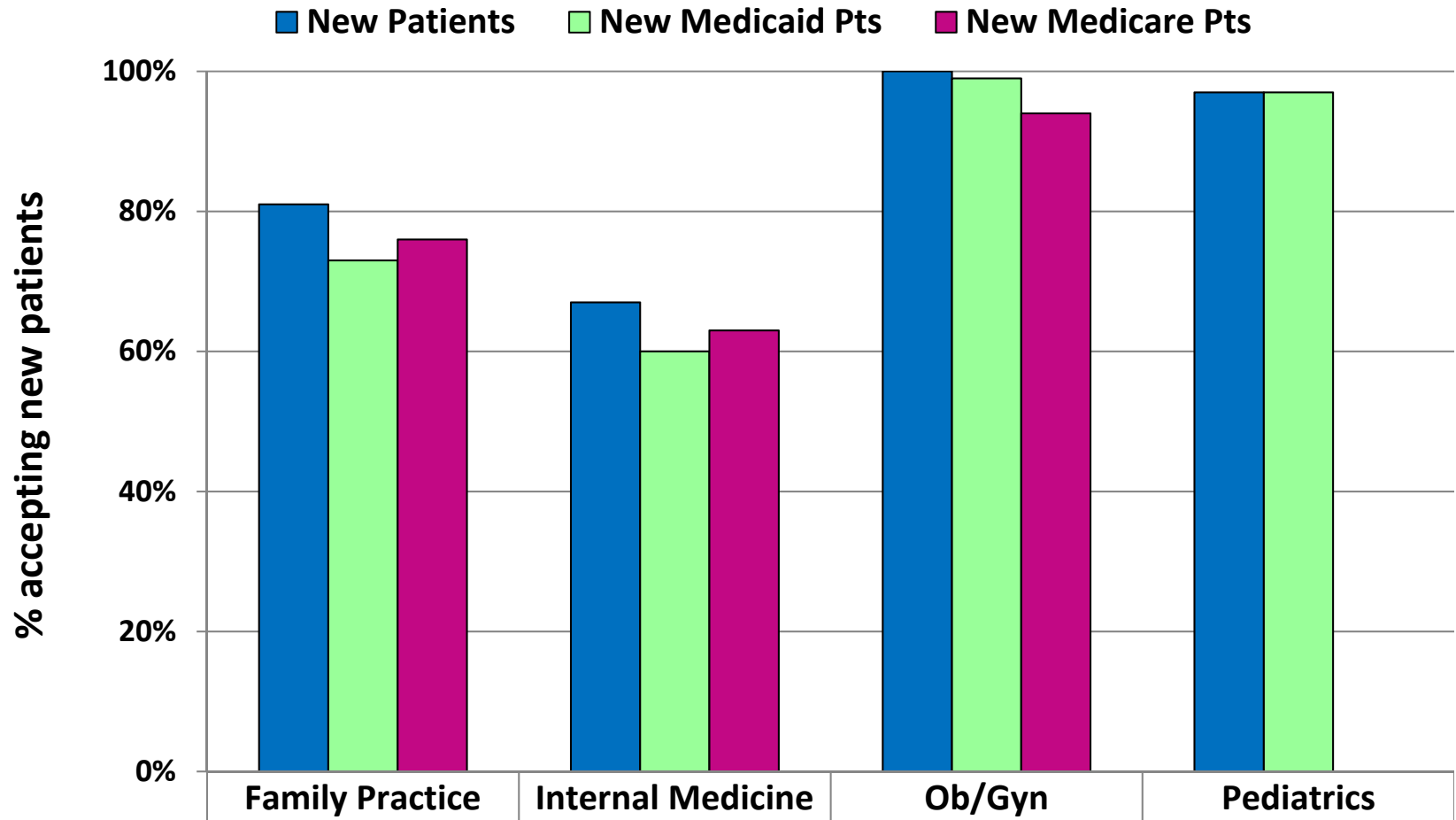
2016 Primary Care Physicians by County



2016 Primary Care Physicians by County

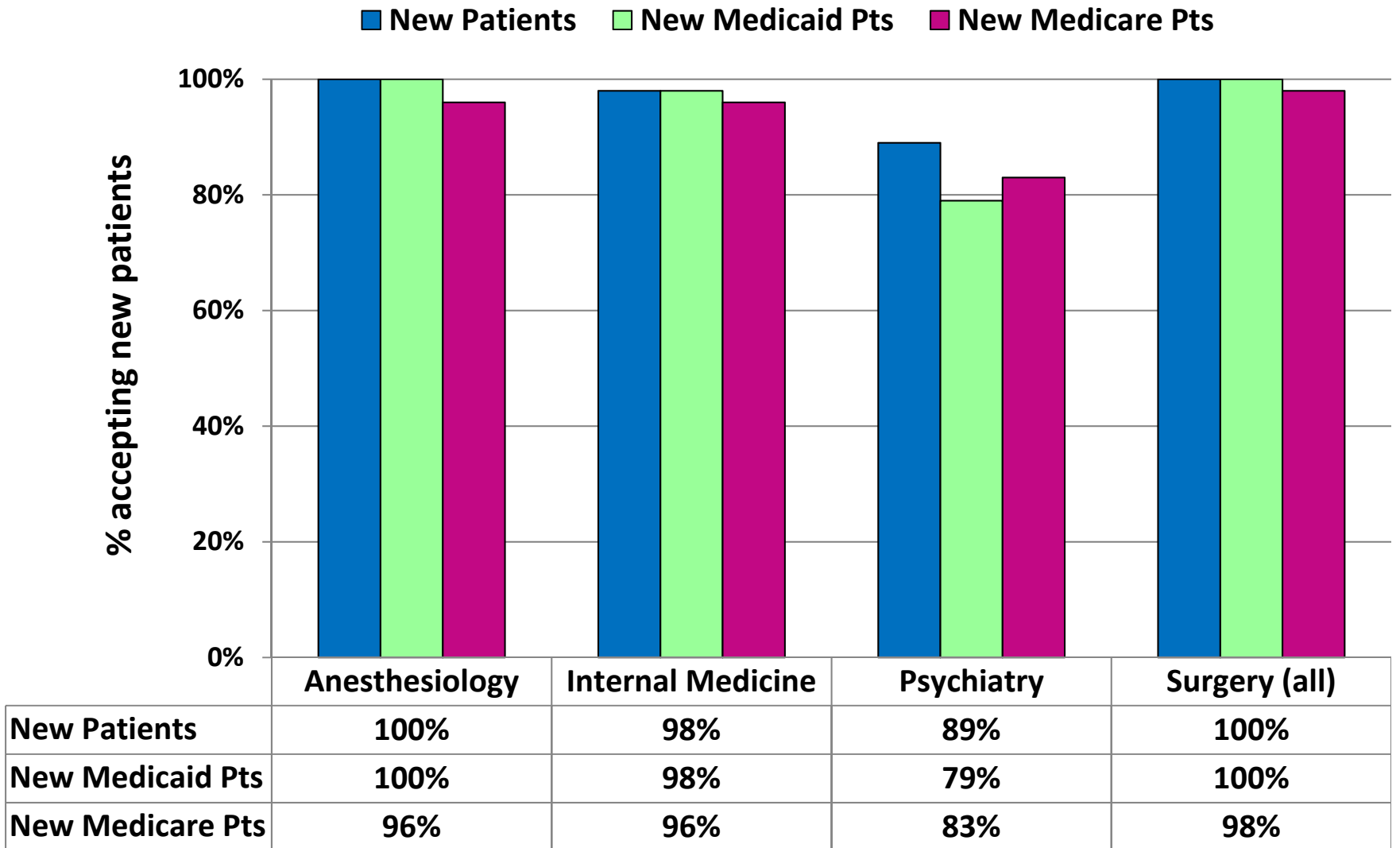


Accepting New Patients – Primary Care



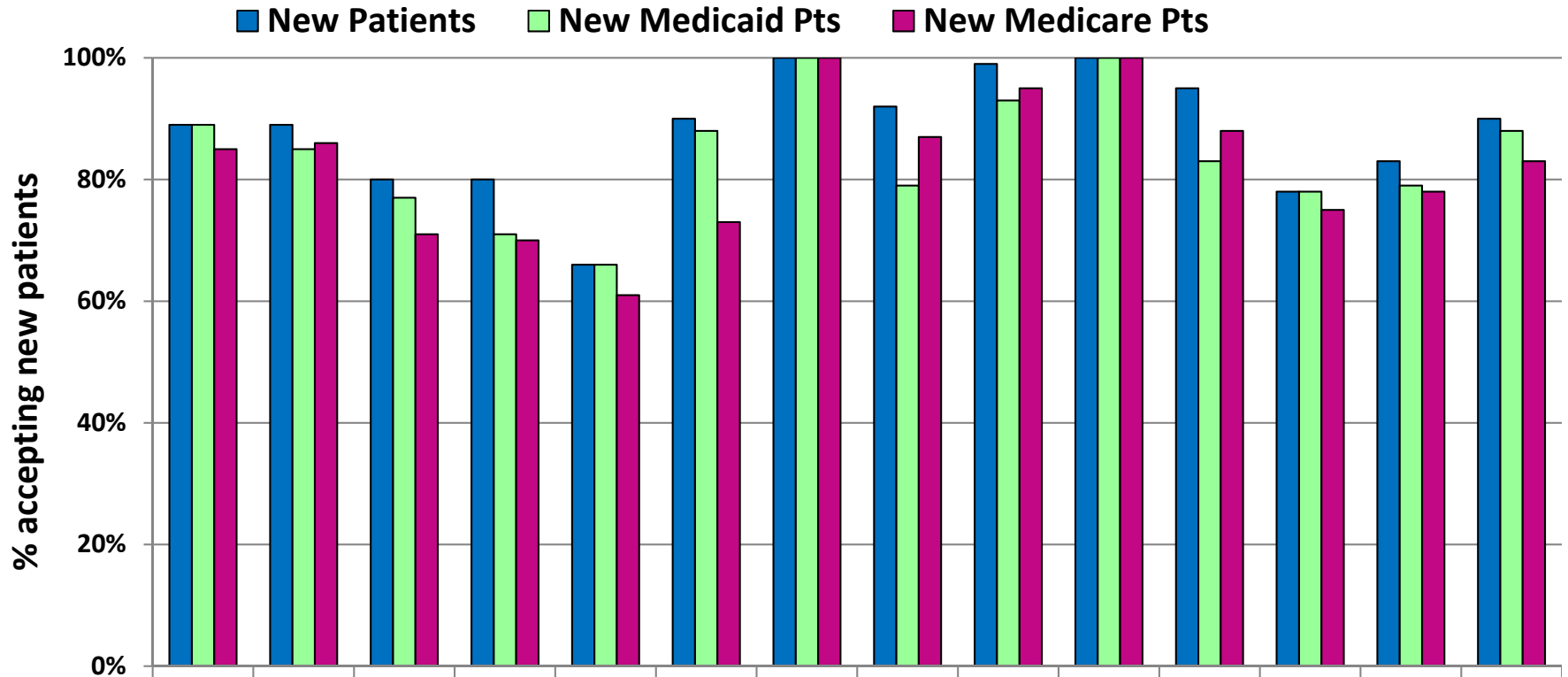
	Family Practice	Internal Medicine	Ob/Gyn	Pediatrics
New Patients	81%	67%	100%	97%
New Medicaid Pts	73%	60%	99%	97%
New Medicare Pts	76%	63%	94%	

Accepting New Patients – Specialty Care



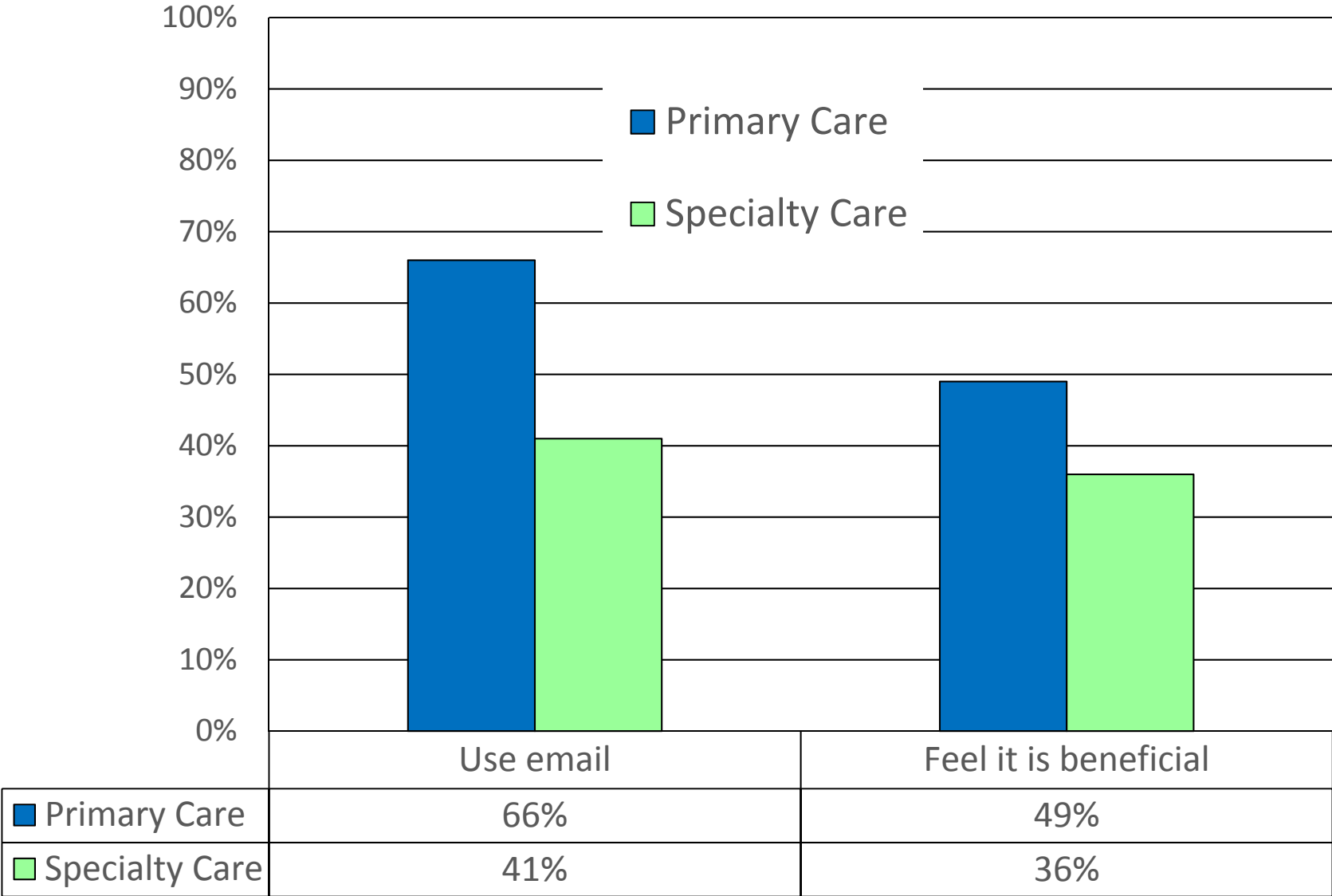
Office settings only. Emergency medicine, pathology and radiology excluded.

Accepting New Patients – Primary Care, by County



	ADD	BEN	CAL	CHI	ESS	FRA	GI	LAM	ORA	ORL	RUT	WAS	WDM	WDR
New Patients	89%	89%	80%	80%	66%	90%	100%	92%	99%	100%	95%	78%	83%	90%
New Medicaid Pts	89%	85%	77%	71%	66%	88%	100%	79%	93%	100%	83%	78%	79%	88%
New Medicare Pts	85%	86%	71%	70%	61%	73%	100%	87%	95%	100%	88%	75%	78%	83%

Electronic Communication with Patients



Comparison of Selected Physician Data, 2000-2016

	2000	2004	2008	2010	2014	2016
Total active * physicians	1480	1612	1833	1877	1933	2182
Percent female	26%	29%	31%	33%	38%	38%
Primary care physicians	585	634	634	628	636	636
% accepting new patients	80%	81%	80%	83%	82%	84%
accepting new Medicaid patients	73%	70%	69%	72%	76%	78%
accepting new Medicare patients	74%	71%	69%	69%	72%	75%
Primary care physician FTEs	472.2	478.7	498.2	492.1	476.9	468.6
PC Internal Medicine FTEs	128.5	124.5	126.5	120.7	114.3	110.0
PC FTEs per 100,000 Population	77.6	77.0	80.2	78.6	76.1	75.0
Specialist physicians	895	978	1199	1249	1297	1546
Specialist physician FTEs **	621.3	656.1	818.1	843.7	836.1	916.6

* providing patient care in Vermont

** FTEs not computed for pathology, radiology, and telemedicine

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