Trends in New York Residency Training Outcomes

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Center for Health Workforce Studies

- Based at the School of Public Health at the University at Albany, SUNY
- Not-for-profit academic research center
- Mission: To provide timely, accurate data and conduct policy-relevant research about the health workforce
- Goal: To inform public policies, the health and education sectors, and the public
- Center was founded in July, 1996



The New York Physician Workforce, 2014

	New York
Number of Physicians	72,969
Average Age	51
Percent Female	34%
Percent Underrepresented Minority	9%
Principal Practice Setting	
Solo	25%
Group	33%
Hospital	31%
Other	10%

Underrepresented Minorities (URMs) include Blacks/African Americans, Hispanic/Latinos, and American Indians/Alaska Natives

Data source: New York Physician Re-registration Survey (1995-2014)



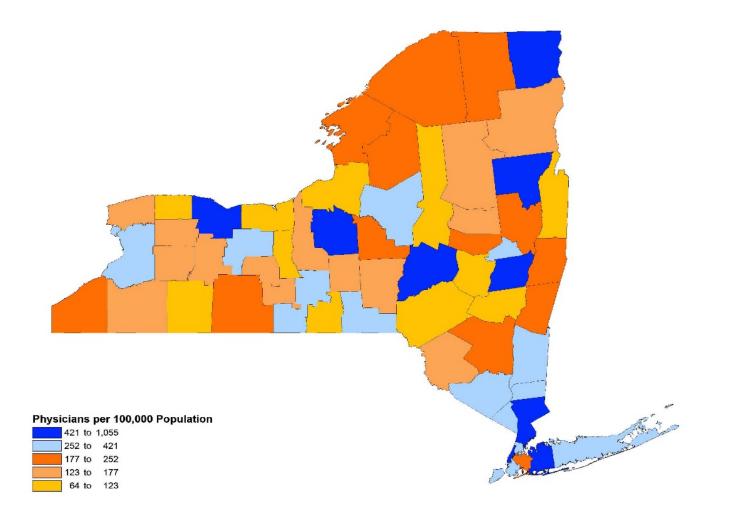
Physician Specialties

Specialty Group	Counts	Per 100k Pop.	%
Primary Care	22,171	114	30%
Non-Primary Care	50,798	261	70%
Ob/Gyn	3,874	20	5%
IM Specialties	10,667	55	15%
General Surgery	1,798	9	2%
Surgical Specialties	8,849	45	12%
Facility Based	8,523	44	12%
Psychiatry	6,302	32	9%
Total	72,969	374	100%

Facility Based Specialties include Anesthesiology, Radiology, and Pathology



The Distribution of Physicians in New York





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Where do they come from?

	NY Physician Workforce
Percent International Medical Graduate	33%
Percent NY Medical Graduate	40%
Percent with Residency Training in NY	77%



GME in the U.S. and New York

- In the US there are almost 10,000 programs and more than 120,000 residents
- In New York there are more than 1,100 programs and almost 16,000 residents
 012% of all programs and 13% of all residents in the US are in New York
- California trains the 2nd highest number of physicians
 - Almost 11,000 annually (or about 5,000 fewer than New York)



The New York Resident Exit Survey

- Conducted annually since 1998 (except for 2004 and 2006)
- A survey of all residents and fellows completing training in New York (approximately 5,000 annually)
- Substantial support and assistance from GME directors and programs directors
- Average annual response rate greater than 60%



The Present and Future New York Physician Workforce

	NY Physician Workforce	NY Residents/Fellows, 2016
Percent Female	34%	48%
Percent URM	9%	16%
Principal Practice Setting		
Solo	25%	1%
Group	33%	40%
Hospital	31%	51%
Other	10%	8%



Monitoring the New York Physician Workforce

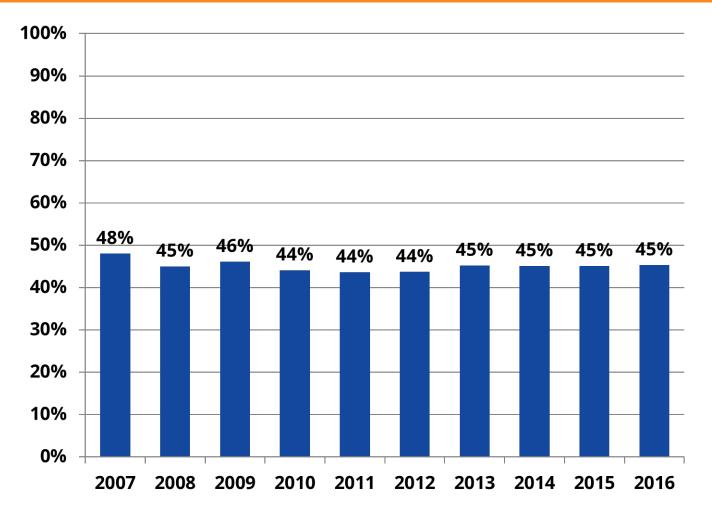
	NY Residents/Fellows, 1998	NY Residents/Fellows, 2016
Percent Female	36%	48%
Percent URM	13%	16%
Principal Practice Setting		
Solo	4%	1%
Group	47%	40%
Hospital	31%	51%
Other	8%	8%



Retention of New Physicians after Completing Training in New York

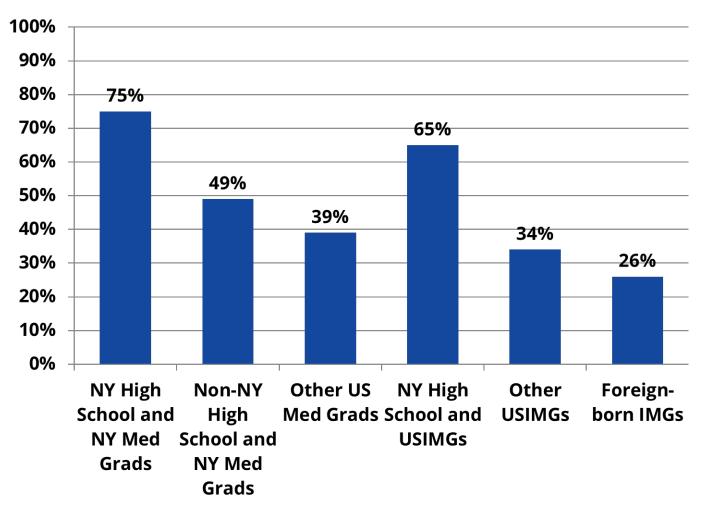


Instate Retention of Physicians Completing Training in NY



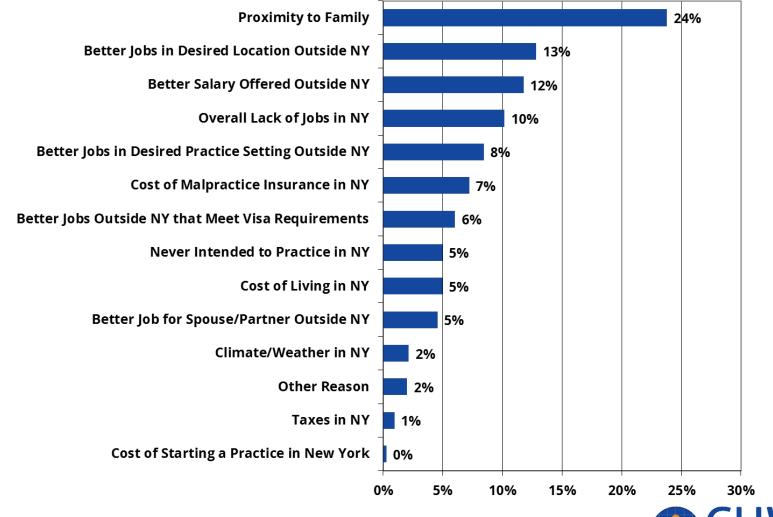


In-State Retention by High School Location, Medical School Location, and Citizenship Status



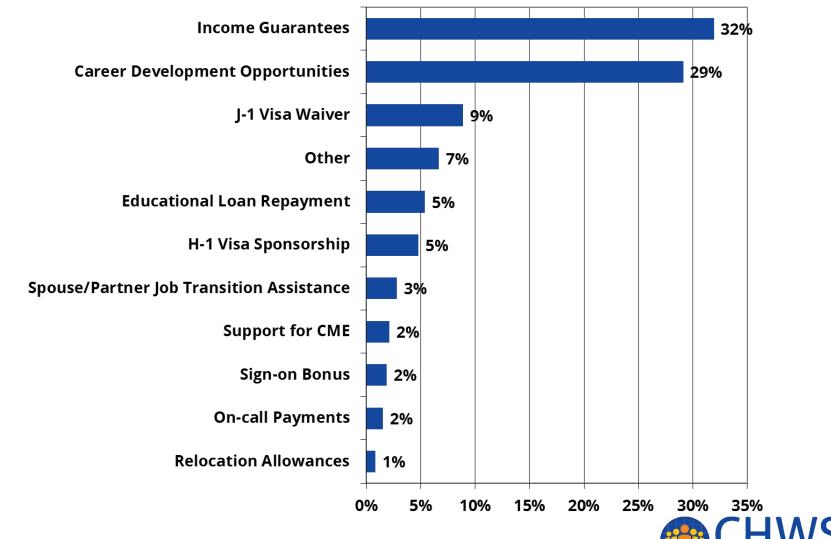


Principal Reasons for Practicing Outside of New York





Most Influential Incentive Received for Accepting a Practice Position



What Job Characteristics are Important to Newly-trained Physicians?



Importance of Job Characteristics

	Not at all Important	Of little importance	Important	Very Important
Predictable start and end time each workday	2.4%	7.6%	51.5%	38.5%
Length of each workday	1.4%	10.4%	52.0%	36.2%
Frequency of overnight calls	2.0%	5.4%	43.1%	49.5%
Frequency of weekend duties	2.3%	6.2%	43.5%	49.5%



"Very Important" Job Characteristics by Gender and Race/Ethnicity

	Female	Male	URMs	Non-URMs
Predictable start and end time each workday	43.5%*	33.3%	43.6%	37.6%
Length of each workday	41.5%*	30.9%	40.2%	35.5%
Frequency of overnight calls	54.2%*	44.7%	53.6%	48.8%
Frequency of weekend duties	53.0%*	43.0%	50.8%	47.6%

* *p* < .05 for t-test



"Very Important" Job Characteristics by Relationship Status and Dependent Children

	Married/ Long-term Relationship	Single/ Divorced	Dependent Children	No Dependent Children
Predictable start and end time each workday	40.2%*	29.6%	43.3%*	35.7%
Length of each workday	37.5%*	29.6%	39.9%*	34.1%
Frequency of overnight calls	50.2%	46.2%	52.5%	47.8%
Frequency of weekend duties	49.0%	43.2%	51.8%*	45.9%

* *p* < .05 *for t-test*



Do Job Characteristics Influence Medical Specialty Choice?

	Predictable start and end time each workday	Length of each workday	Frequency of overnight calls	Frequency of weekend duties
Primary Care (n=336)	43.5%*	42.0%*	56.8%*	54.8%*
Ob/Gyn (n=71)	38.0%	31.0%	45.1%	49.3%
Medicine Subspecialties (n=200)	36.0%	32.0%	49.0%	45.5%
Surgical Specs (n=100)	22.0%*	20.0%*	29.0%*	31.0%*
Facility Based (n=122)	33.6%	27.9%*	39.3%*	44.3%
Psychiatry (n=92)	56.5%*	57.6%*	71.7%*	69.6%*
Other (n=275)	36.4%	36.0%	46.5%	42.2%*

* *p* < .05 for t-test (eg, primary care compared to non-primary care specialties, ob/gyn compared to non-ob/gyn specialties, etc.)



Trends in Job Market Demand for Newly-trained Physicians



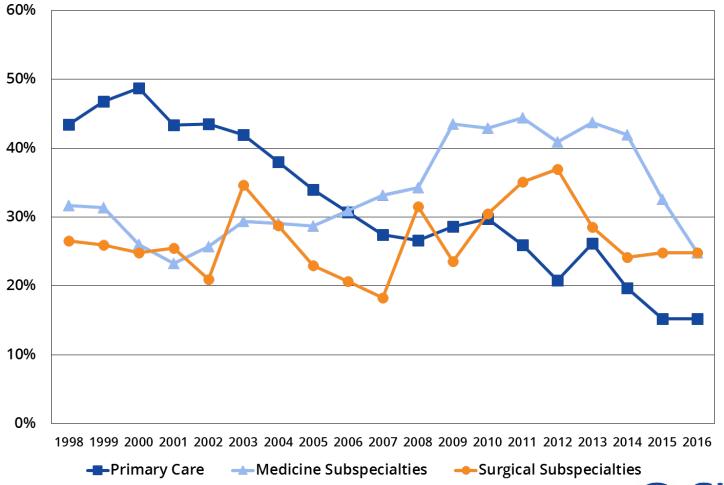
Measuring Relative Demand by Specialty

- Difficulty finding a satisfactory practice position
- Changing plans due to limited practice opportunities
- Number of job offers
- Assessment of regional job market
- Assessment of national job market
- Change in starting income over time



Difficulty Finding a Satisfactory Practice Position

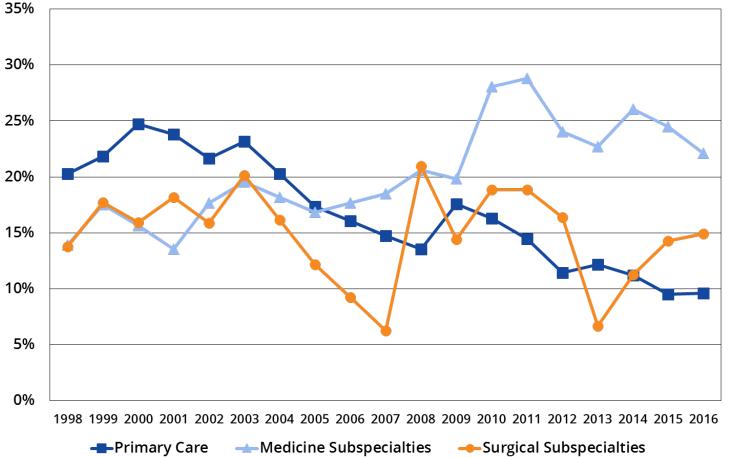
Percent of New Physicians Having Difficulty Finding a Satisfactory Job





Changing Plans Due to Limited Practice Opportunities

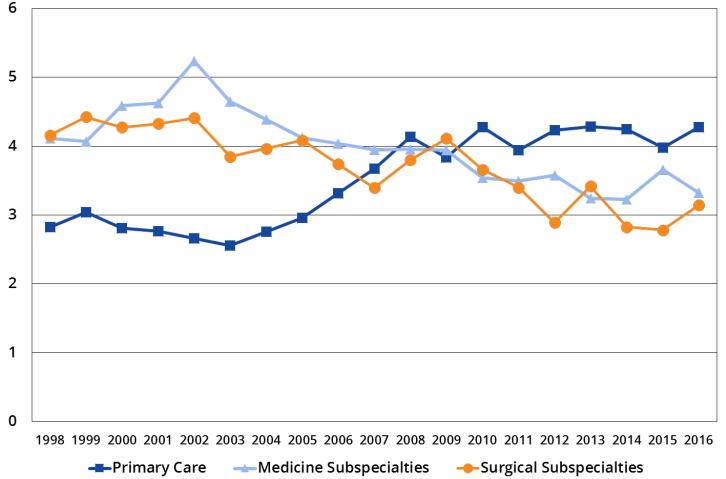
Percent of New Physicians Having to Change Plans Due to Limited Practice Opportunities





Job Offers Received

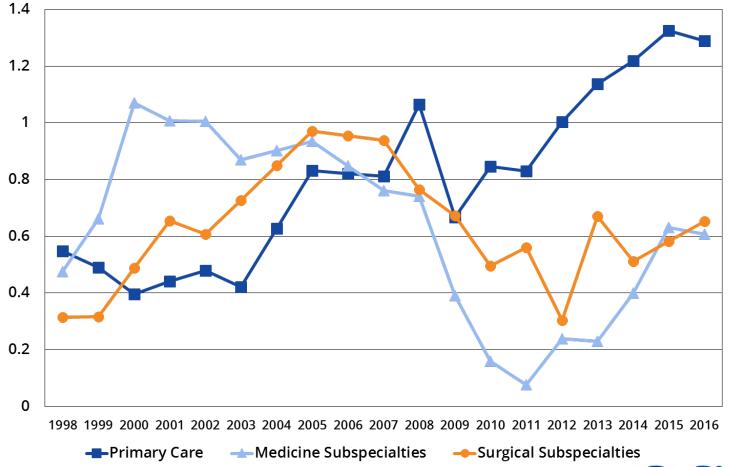
Mean Number of Job Offers for New Physicians





Assessment of Regional Job Market

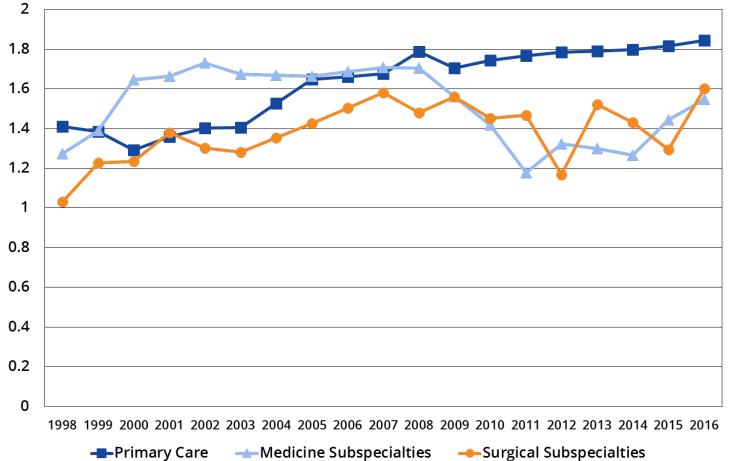
Mean Scores for New Physicians' Perceptions of the Regional Job Market (Many Jobs = 2, Some Jobs = 1, Few Jobs =0, Very Few Jobs = -1, and No Jobs = -2)





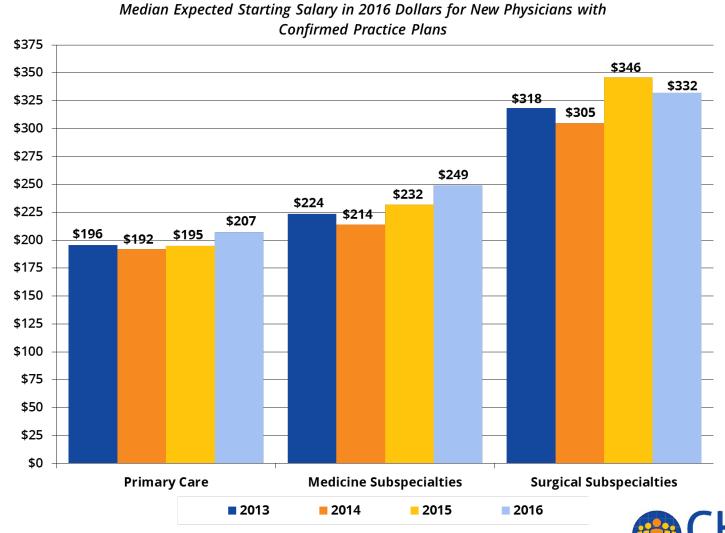
Assessment of National Job Market

Mean Scores for New Physicians' Perceptions of the National Job Market (Many Jobs = 2, Some Jobs = 1, Few Jobs =0, Very Few Jobs = -1, and No Jobs = -2)





Starting Salaries

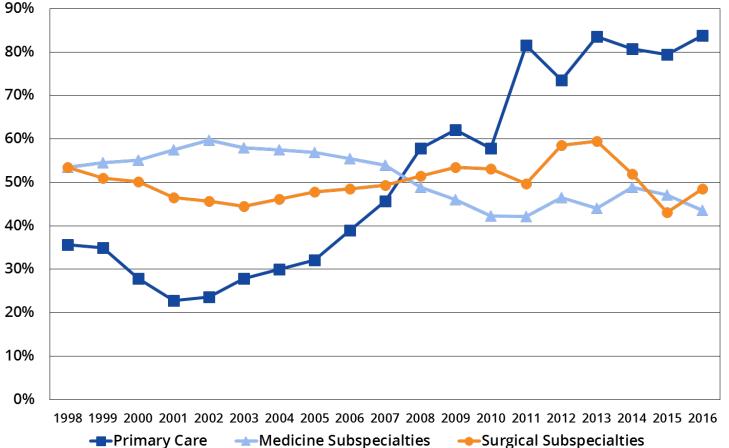


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The Relative Demand for Primary Care Physicians Has Surpassed Specialists

Percentile Rank of Relative Demand for New Physicians (Higher Percentage = Higher Demand)





Relative Demand by Individual Specialty

- Highest Relative Demand

 Family Medicine
 Emergency Medicine
 General Internal Medicine
- Lowest Relative Demand
 - oPathology
 - oRadiology
 - oPediatric Subspecialties



Conclusions



Summary

- Proximity to family and one's hometown greatly influences the practice location of newly-trained physicians
- Job characteristics that lead to a more manageable lifestyle are considered either "important" or "very important" to more than 85% of newly-trained physicians
- The demand for primary care physicians has increased substantially over the last 20 years relative to specialists



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