

AMERICAN ASSOCIATION OF
COLLEGES OF OSTEOPATHIC MEDICINE

How to Change the Downward Trend in Family Medicine?

What COMs Can Do

Stephen C. Shannon, DO, MPH
President and CEO, AACOM



Photo courtesy of PCOM.

ACOFP Program Directors' Workshop
March 11, 2008
Denver, CO

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Overview of Presentation

- Background:
 - AACOM
 - Colleges of Osteopathic Medicine
 - Physician Workforce Issues
- Recent Trends in Primary Care
- Residency Selection Trends
- Issues Effecting Family Medicine
- What Can Be Done
- Personal Thoughts
- Questions/Comments

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What is AACOM?

- Founded in 1898 to lend support and assistance to osteopathic medical schools
- Association of all of the nation's accredited COMs
- Governed by the Board of Deans (all colleges represented on the Board)

AACOM's Mission

The American Association of Colleges of Osteopathic Medicine promotes excellence in osteopathic medical education, in research and in service, and fosters innovation and quality among osteopathic colleges to improve the health of the American public.

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Osteopathic Medical Schools

Private (19) Colleges of Osteopathic Medicine

- **A.T. Still University School of Osteopathic Medicine – Arizona (ATSU/SOMA)**
- **A.T. Still University of Health Sciences/Kirksville College of Osteopathic Medicine (ATSU/KCOM), Missouri**
- **Arizona College of Osteopathic Medicine of Midwestern University (AZCOM)**
- **Chicago College of Osteopathic Medicine of Midwestern University (CCOM), Illinois**
- **Des Moines University – College of Osteopathic Medicine (DMU-COM), Iowa**
- **Kansas City University of Medicine and Biosciences – College of Osteopathic Medicine (KCUMB-COM), Missouri**
- **Lake Erie College of Osteopathic Medicine (LECOM), Pennsylvania**
 - **LECOM–Bradenton Campus**
- **Lincoln Memorial University Debusk College of Osteopathic Medicine (LMU-DCOM), Harrogate, Tennessee**
- **New York College of Osteopathic Medicine of New York Institute of Technology (NYCOM/NYIT)**
- **Nova Southeastern University – College of Osteopathic Medicine (NSU-COM), Florida**

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Osteopathic Medical Schools

Private (19) Colleges of Osteopathic Medicine

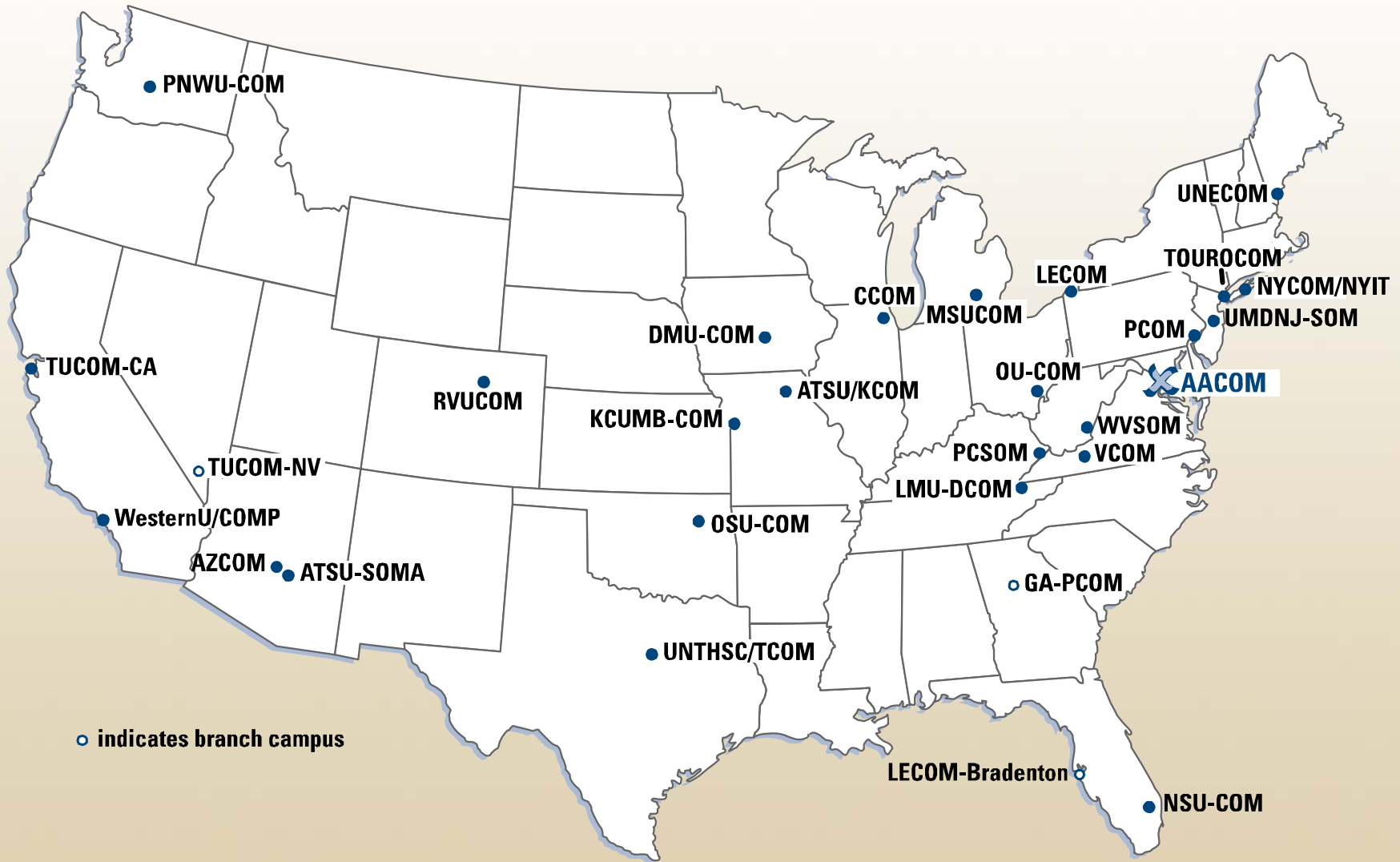
- **Pacific Northwest University College of Osteopathic Medicine, Washington (PNWUCOM)**
- **Philadelphia College of Osteopathic Medicine (PCOM), Pennsylvania**
 - **Georgia Campus–PCOM**
- **Pikeville College School of Osteopathic Medicine (PCSOM), Kentucky**
- **Rocky Vista University College of Osteopathic Medicine, Colorado (RCUCOM)**
- **Touro College of Osteopathic Medicine – New York (TOUROCOM)**
- **Touro University College of Osteopathic Medicine (TUCOM-CA), California**
 - **TUCOM–Nevada Campus**
- **University of New England College of Osteopathic Medicine (UNECOM), Maine**
- **Edward Via Virginia College of Osteopathic Medicine (VCOM)**
- **Western University College of Osteopathic Medicine of the Pacific (Western U/COMP), California**

Osteopathic Medical Schools

Public (6) Colleges of Osteopathic Medicine

- **Michigan State University College of Osteopathic Medicine (MSUCOM)**
- **Ohio University College of Osteopathic Medicine (OUCOM)**
- **Oklahoma State University Center for Health Sciences – College of Osteopathic Medicine (OSU-COM)**
- **University of Medicine and Dentistry of New Jersey – School of Osteopathic Medicine (UMDNJ-SOM)**
- **University of North Texas Health Science Center at Fort Worth/Texas College of Osteopathic Medicine at Fort Worth (UNTHSC/TCOM)**
- **West Virginia School of Osteopathic Medicine (WVSOM)**

Location of AACOM Members



○ indicates branch campus

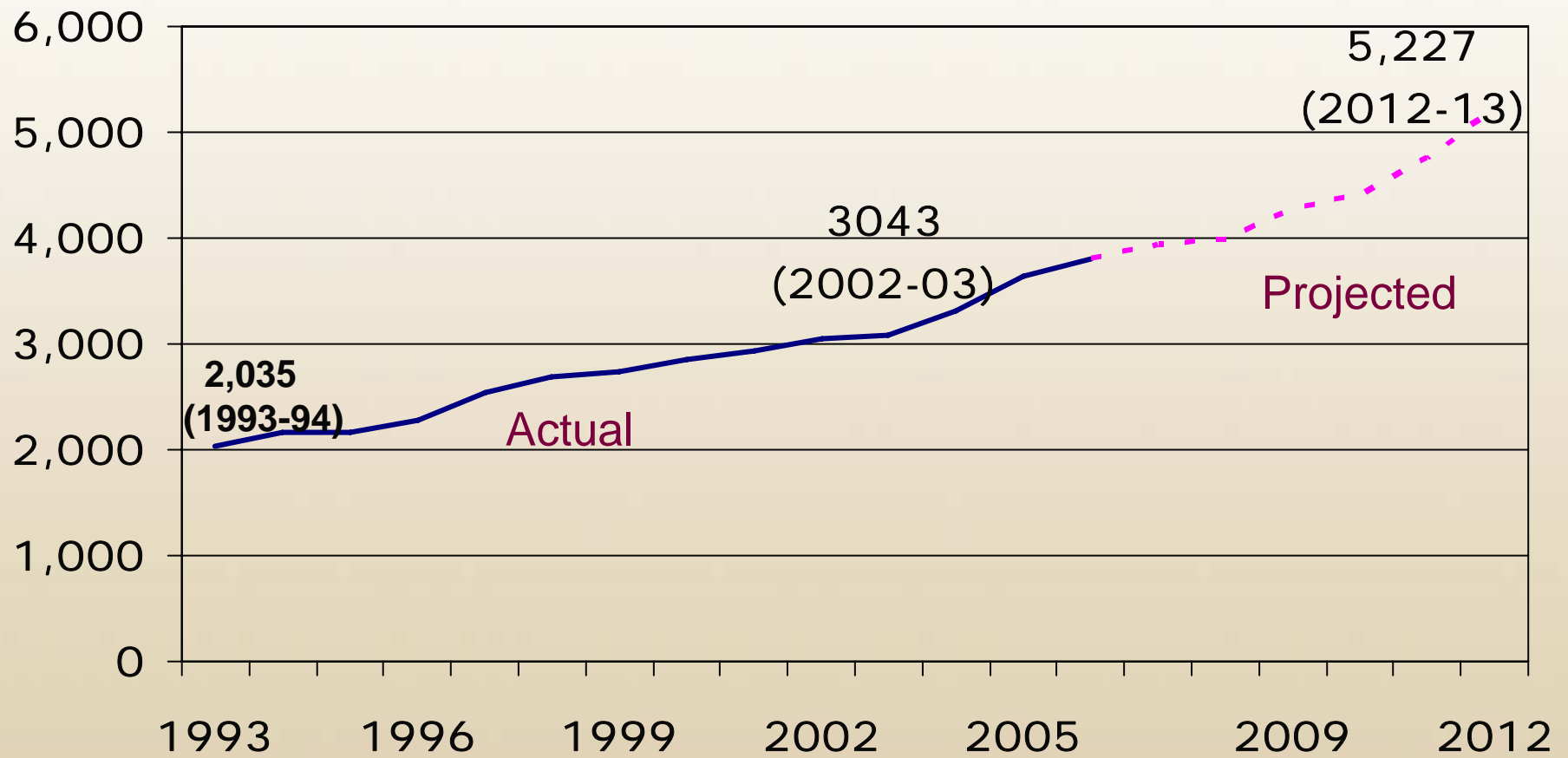
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Osteopathic Medicine's Growth

- In the last 25 years the number of osteopathic medical schools has grown from 14 to 25 colleges, with 3 branch campuses.
- The number of osteopathic college graduates has more than doubled to over 3,000.
- With existing schools' planned growth, the number of DO graduates will grow to more than 5,000 by 2015.

First-Year Enrollment in Osteopathic Medical Schools Expected to Surpass 5,000 by 2012



Source: 2007 AACOM Enrollment Survey:
Preliminary Findings

First-Year MD and DO Enrollment in 2013 Likely to Be 5,400 (27.%) Higher than in 2002

	<u>2002</u>	<u>2013</u>	<u># and % Increase</u>	
MD	16,488	19,747	3,259	19.8%
DO	3,079	5,227+	2,148	69.8%
<hr/>				
Combined	19,567	24,974	5,407	27.6%

Source: 2007 AAMC Dean's Enrollment Survey: Preliminary Findings
2007 AACOM Enrollment Survey: Preliminary Findings

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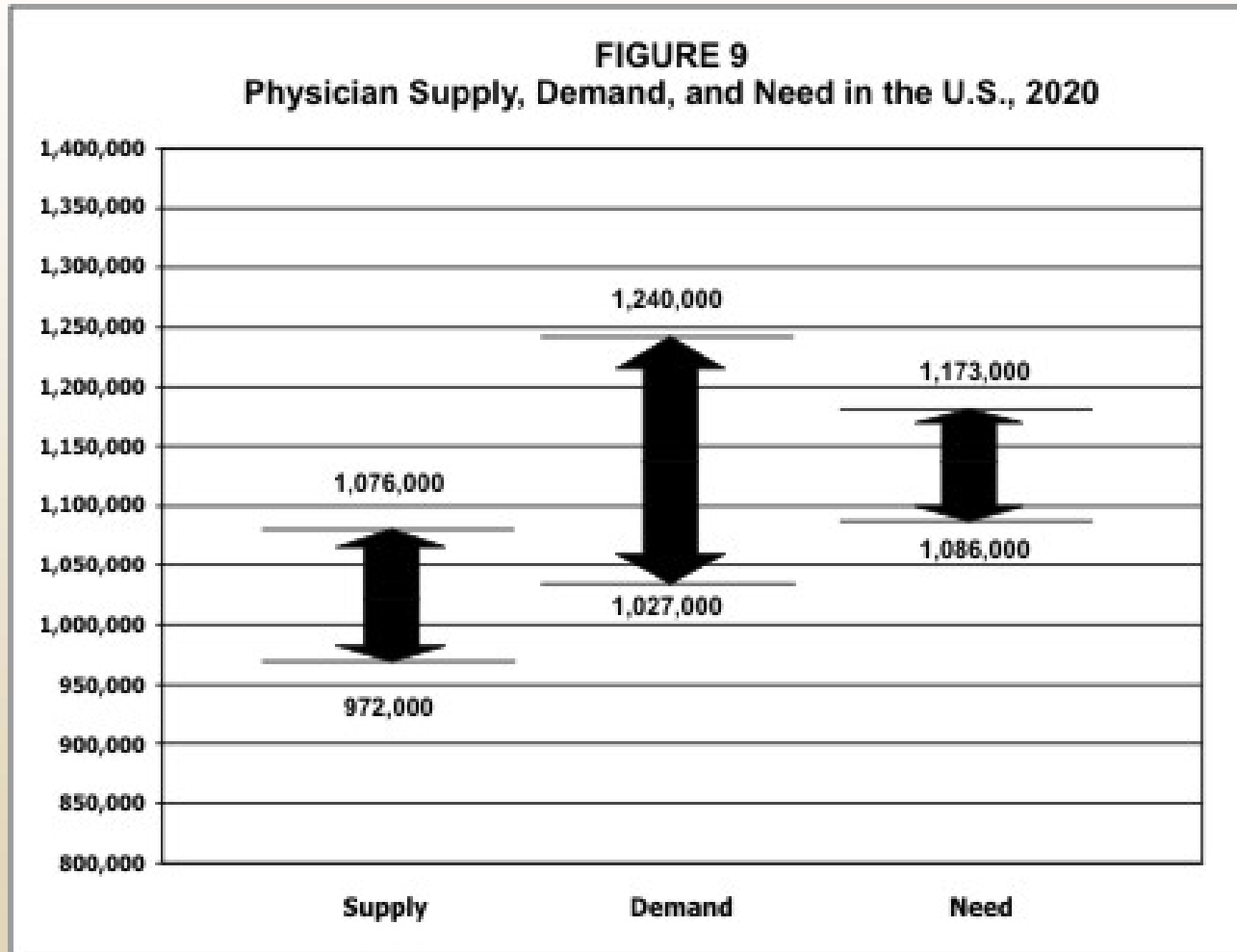


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Physician Workforce

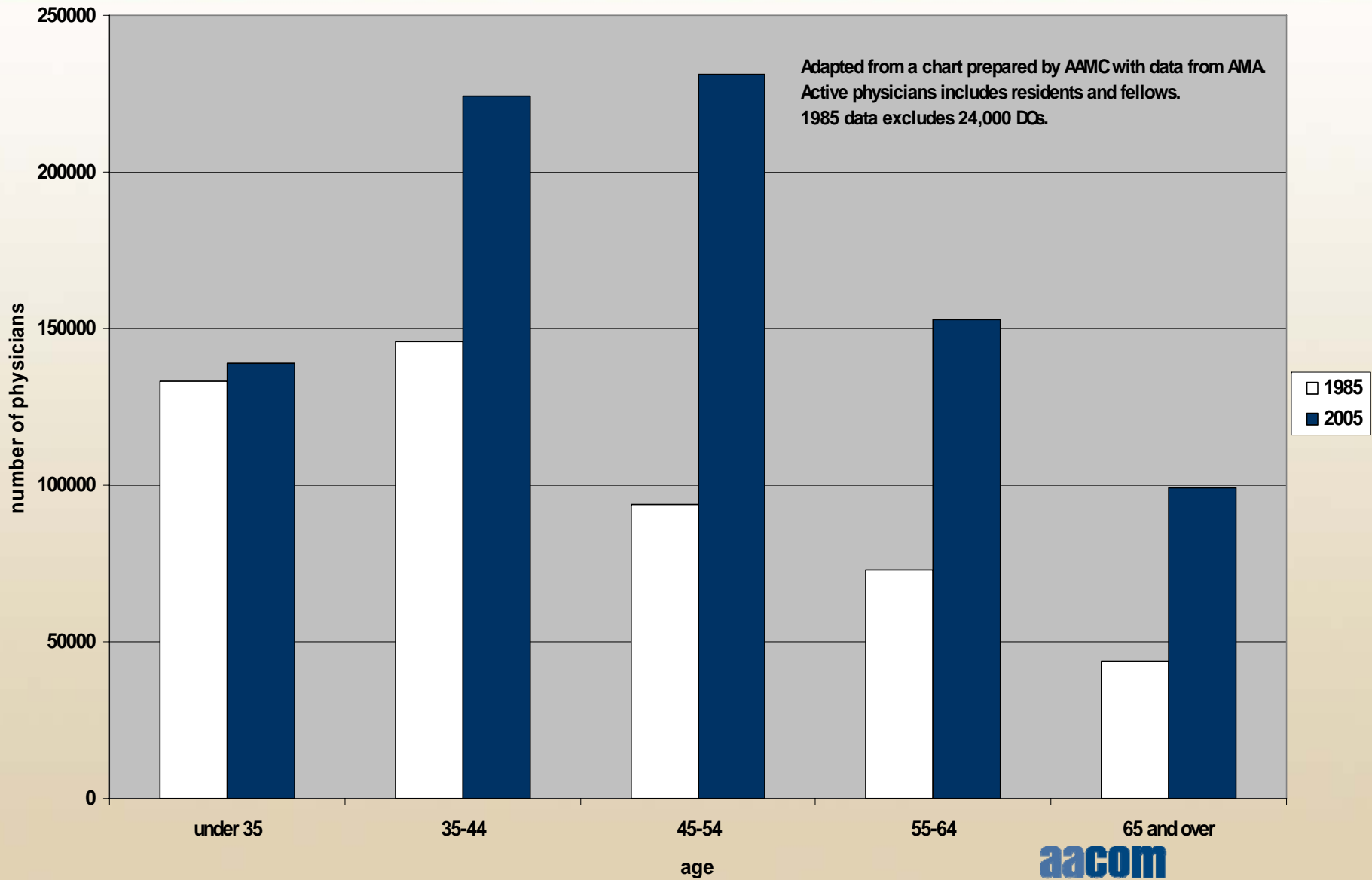


Source: *Sixteenth Report: Physician Workforce Policy Guidelines for the United States, 2000-2020* (January 2005), Council on Graduate Medical Education.

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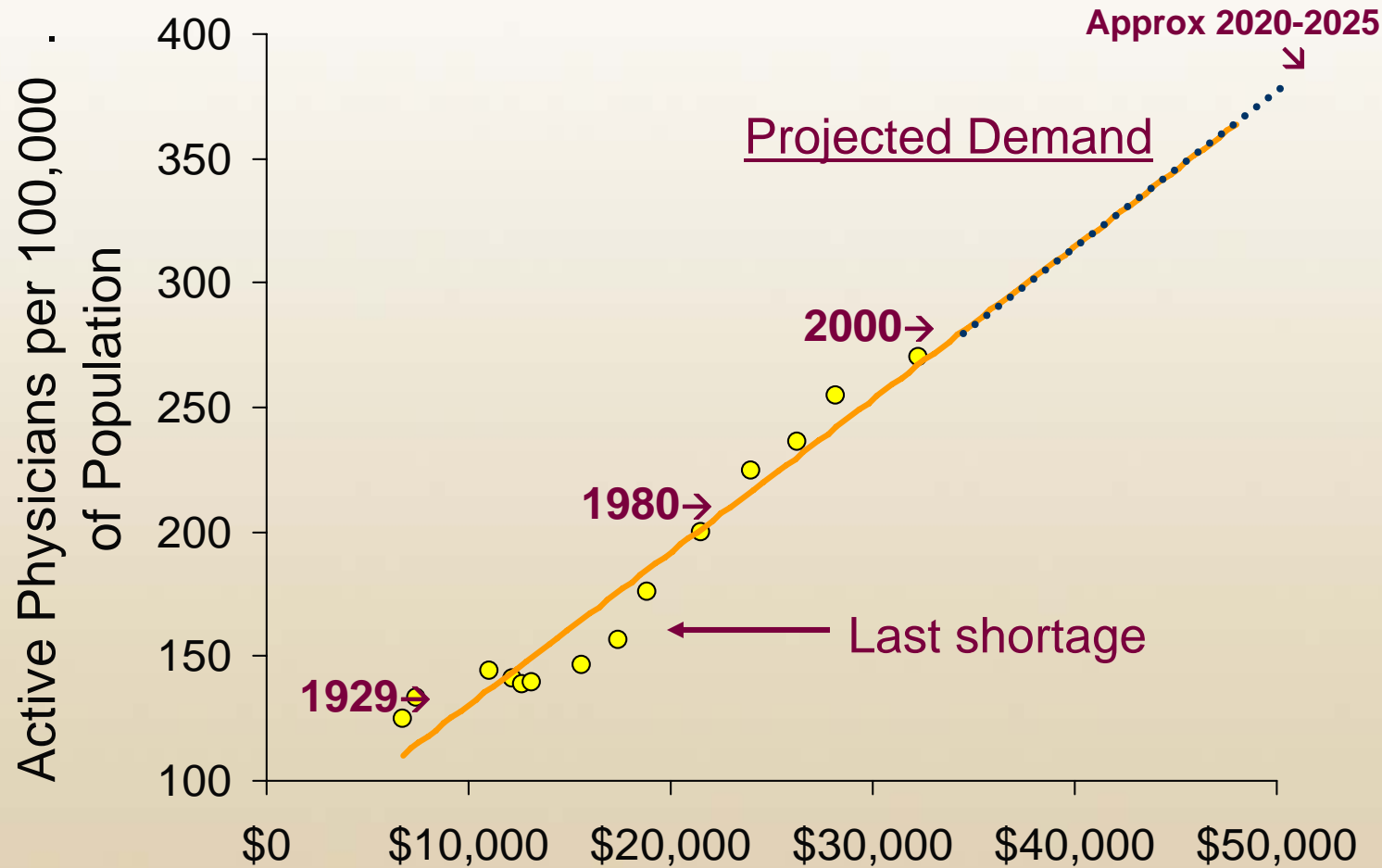
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Physician Workforce



Underlying Trends

The demand for physicians results from economic and population growth



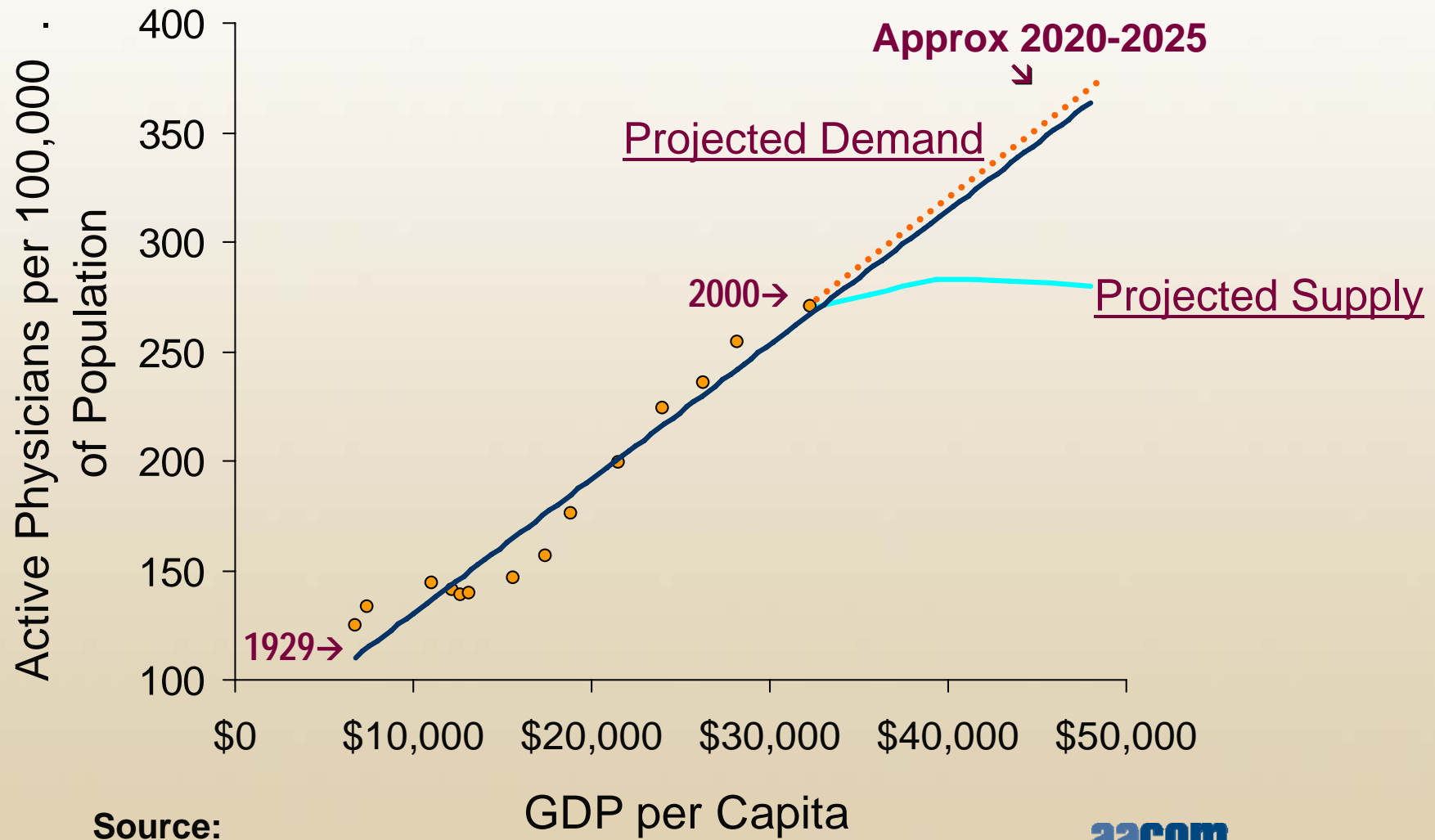
Source:
Richard Cooper, MD

GDP per Capita (1996 dollars)

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But supply will not keep up with demand.

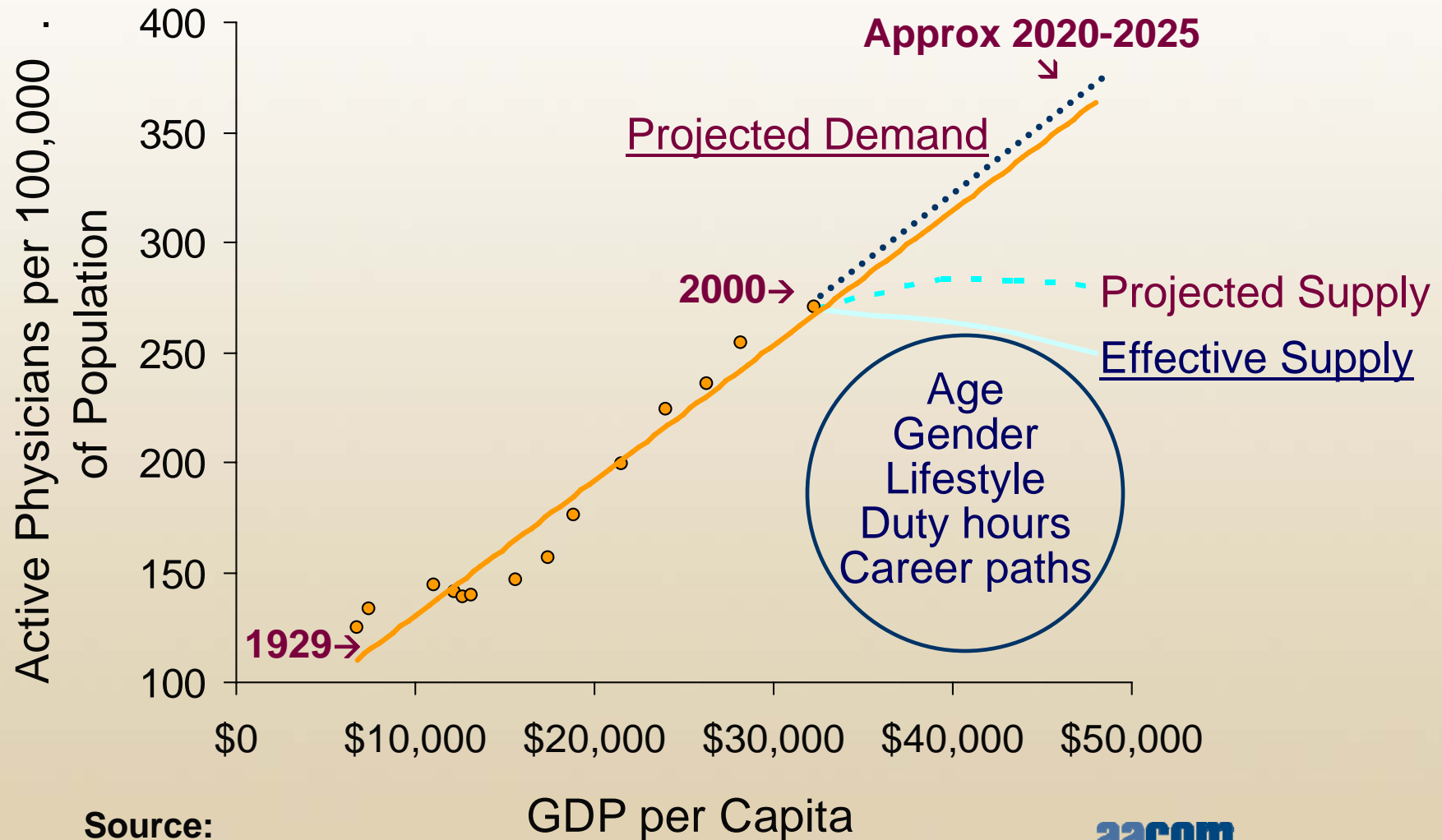


Source:
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And the “*Effective Supply*” will even be less.

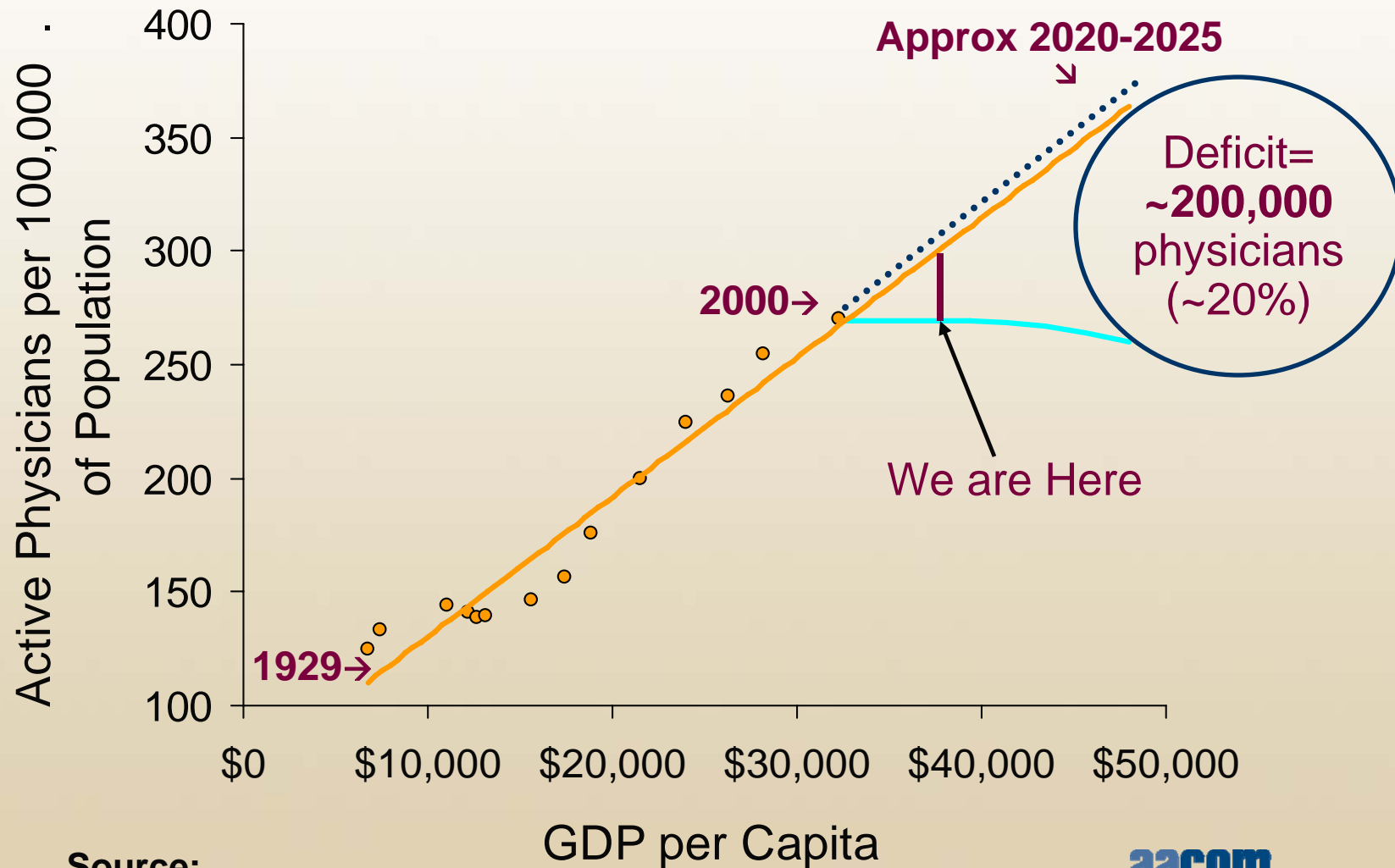


Source:
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We are in the early stages of a period of deepening physician shortages.

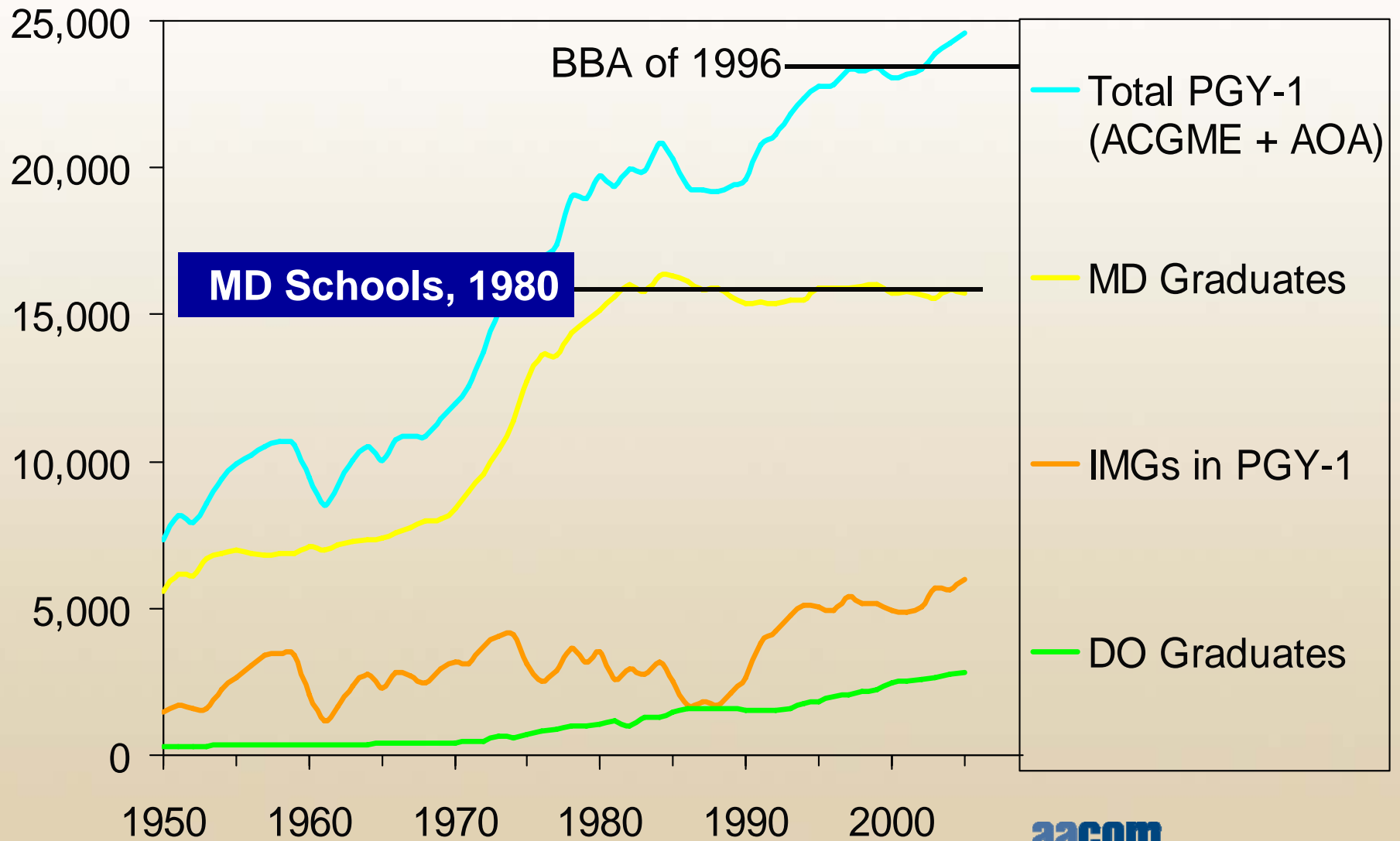


Source:
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Genesis of the Problem: Failure to Sustain Growth in GME



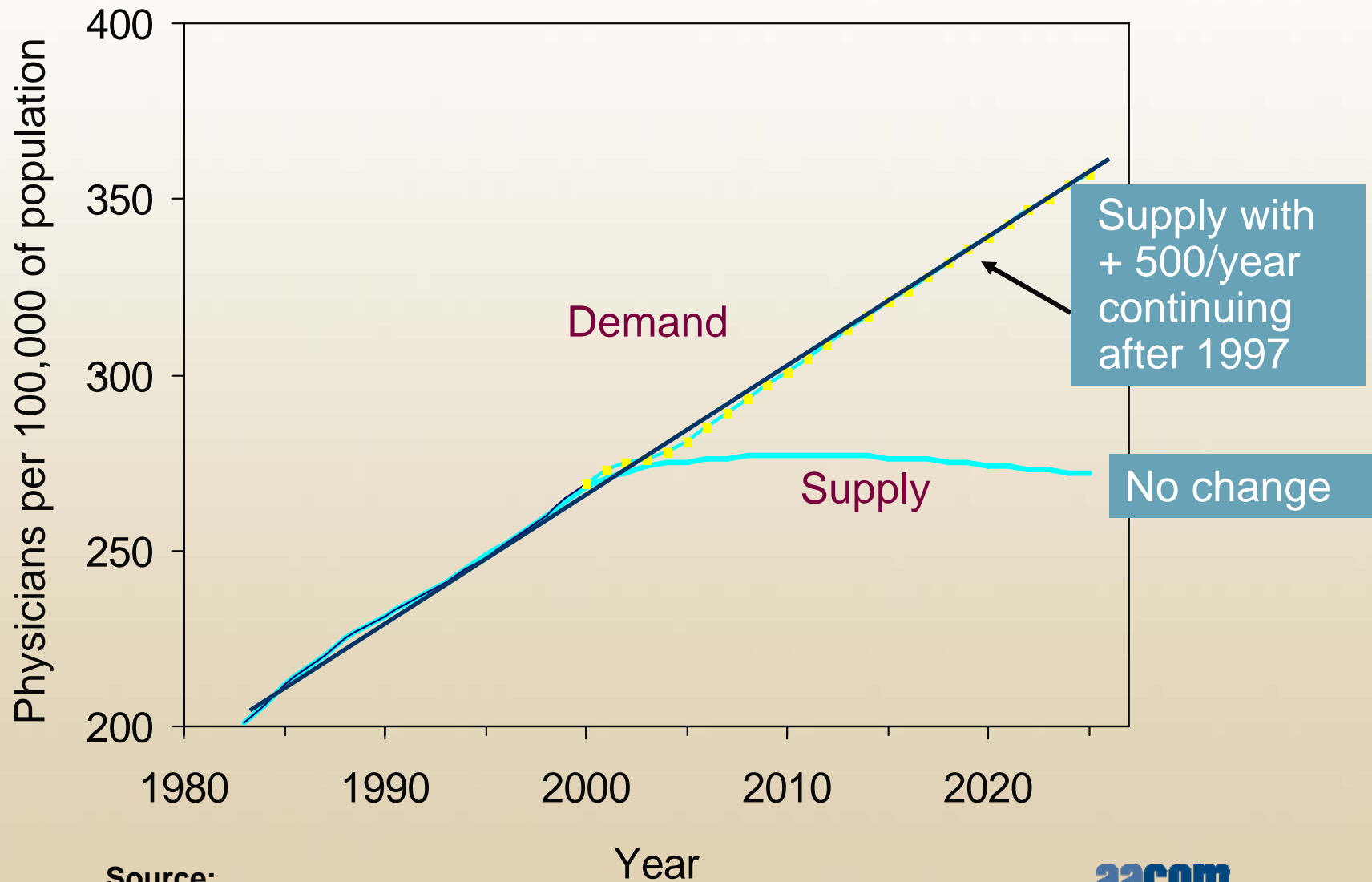
Source:

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Had residency programs continued to expand after 1997 at 500/year, the U.S. would not now be facing severe shortages.

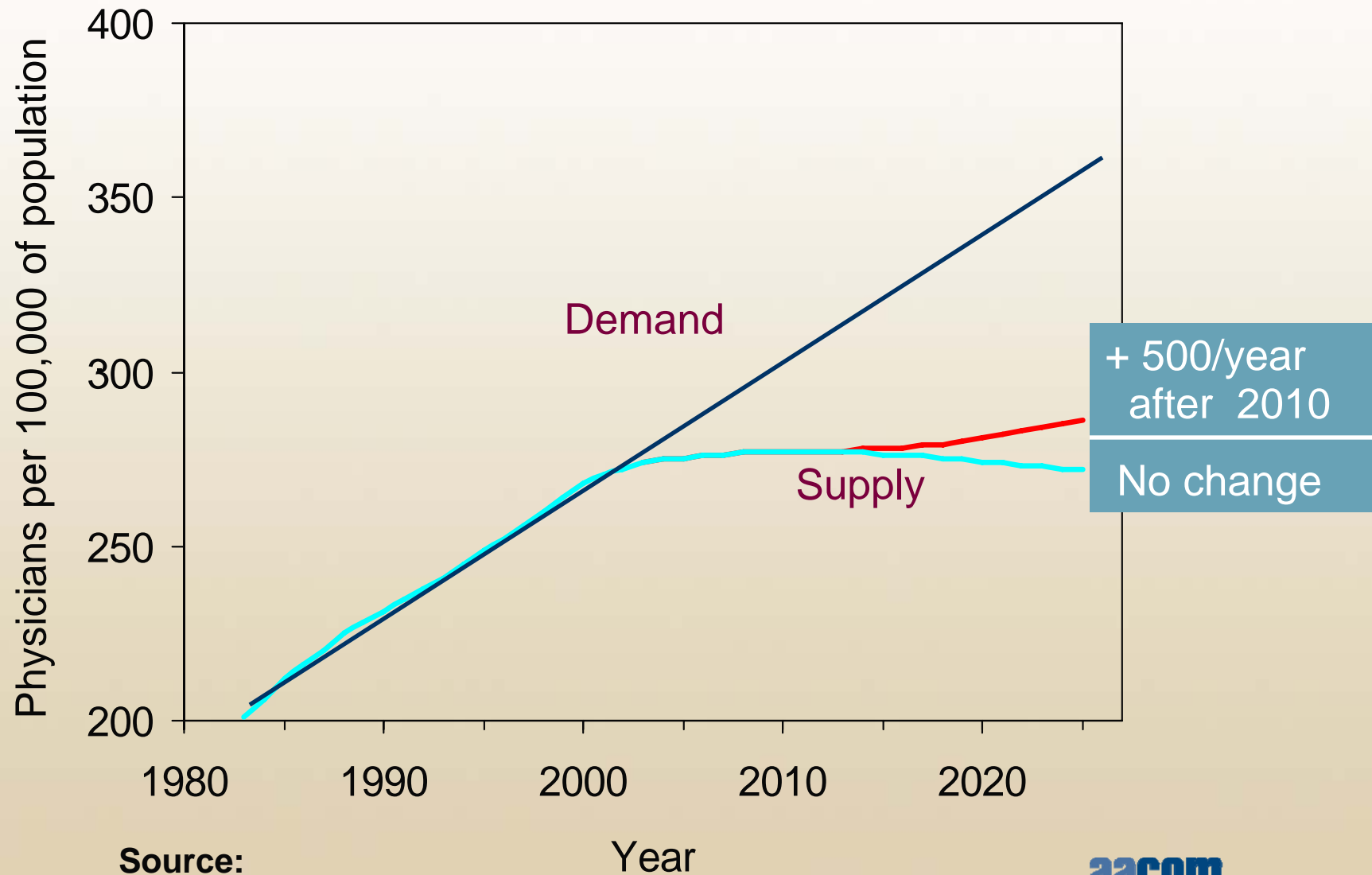


Source:
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But increasing residency positions by 500 per year starting in 2010 will not close the gap.

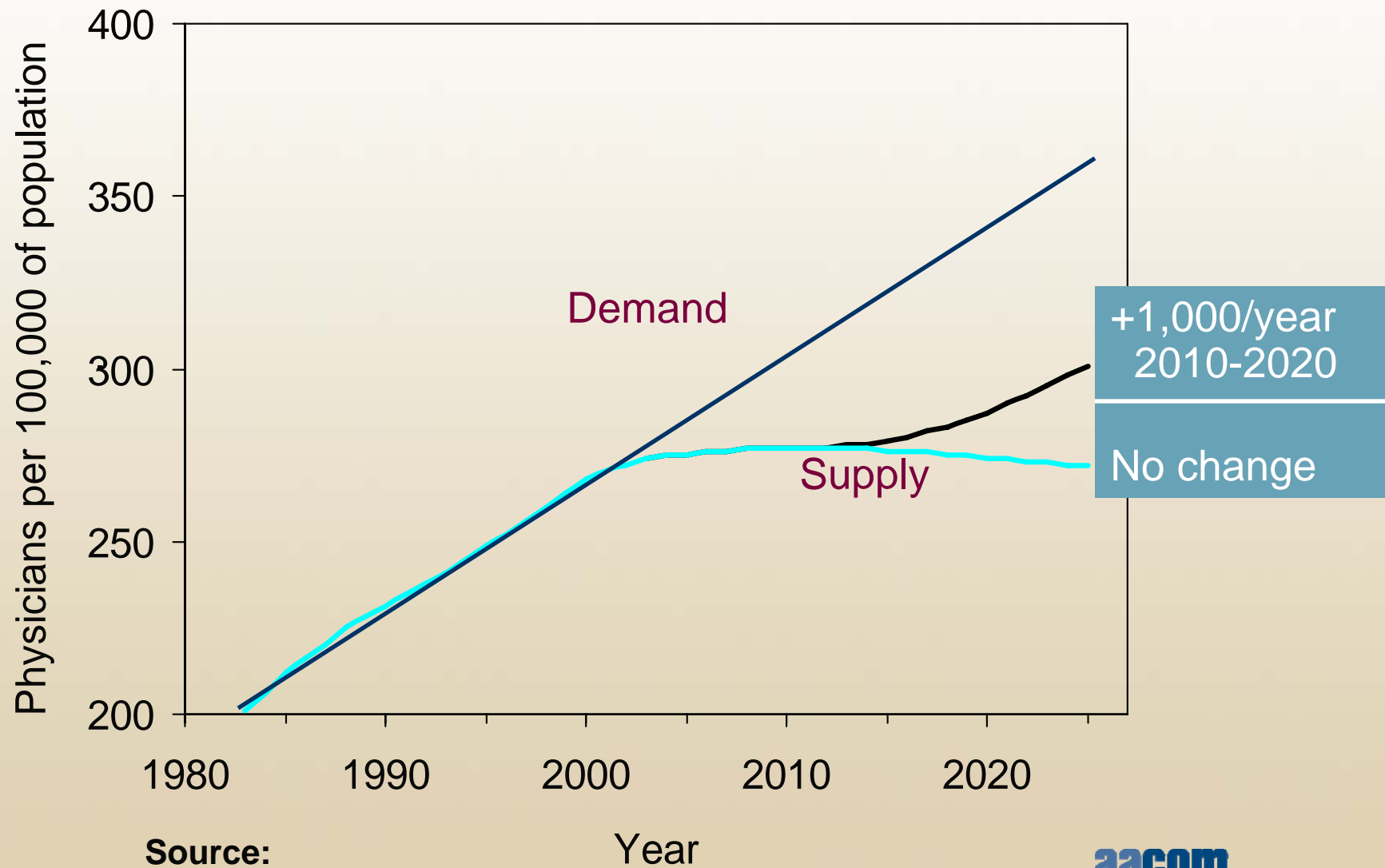


Source:
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Nor even will increasing residency positions by 10,000 over ten years starting in 2010

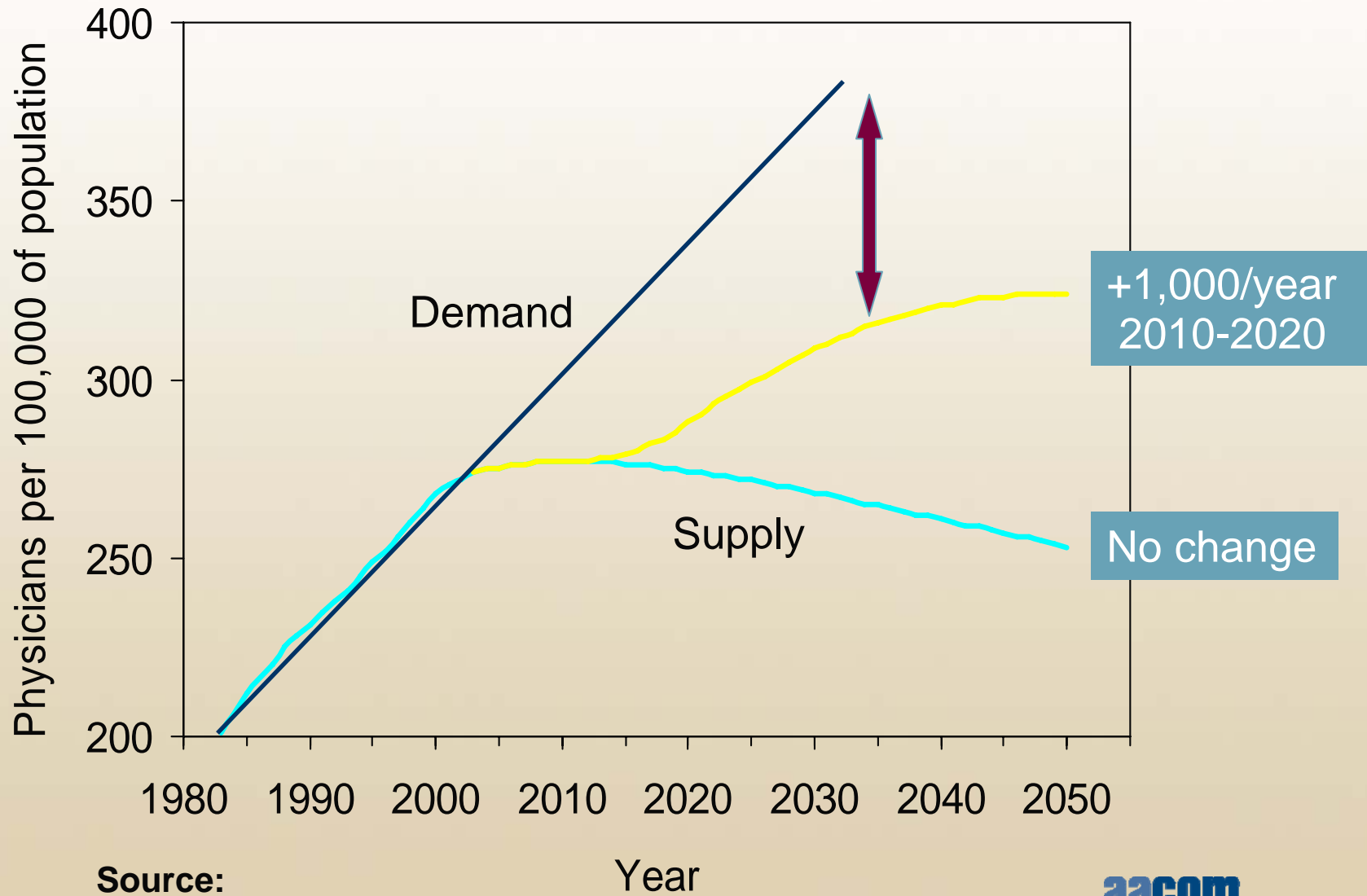


Source:
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...and the gap will continue for decades.



Source:
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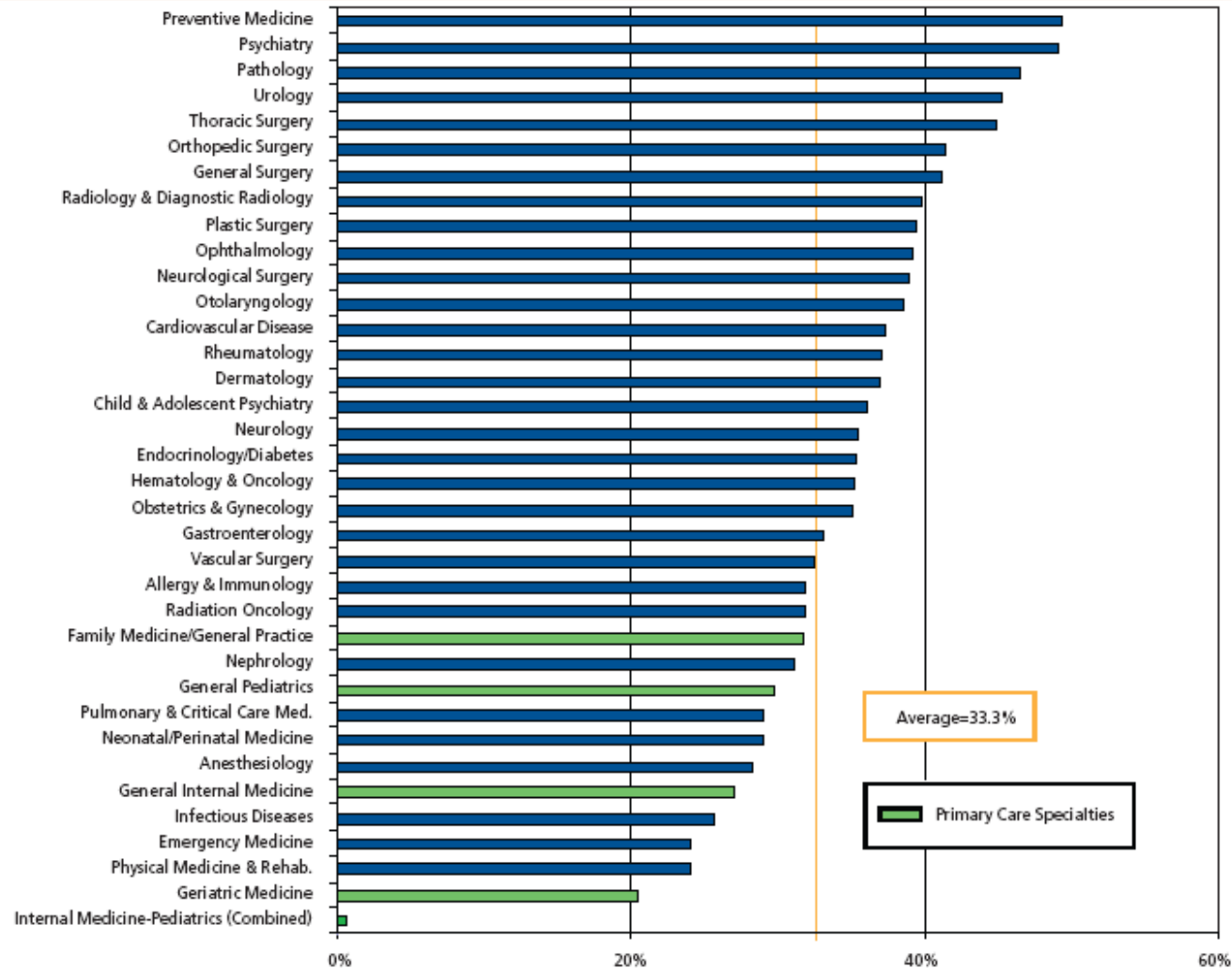
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Physician Workforce

- Projections continue to show shortage
- Older physicians likely to retire earlier
- Younger physicians (especially females) likely to perform less clinical care
- MD schools likely to grow near 20% over next 10-15 years
- IMGs continuing to increase (driven by U.S. IMGs)
- GME expansion not sufficient to handle DO/MD growth
- Number of PAs/NPs growing rapidly

Physician Workforce

Proportion of Active Physicians Aged 55 or Older by Specialty



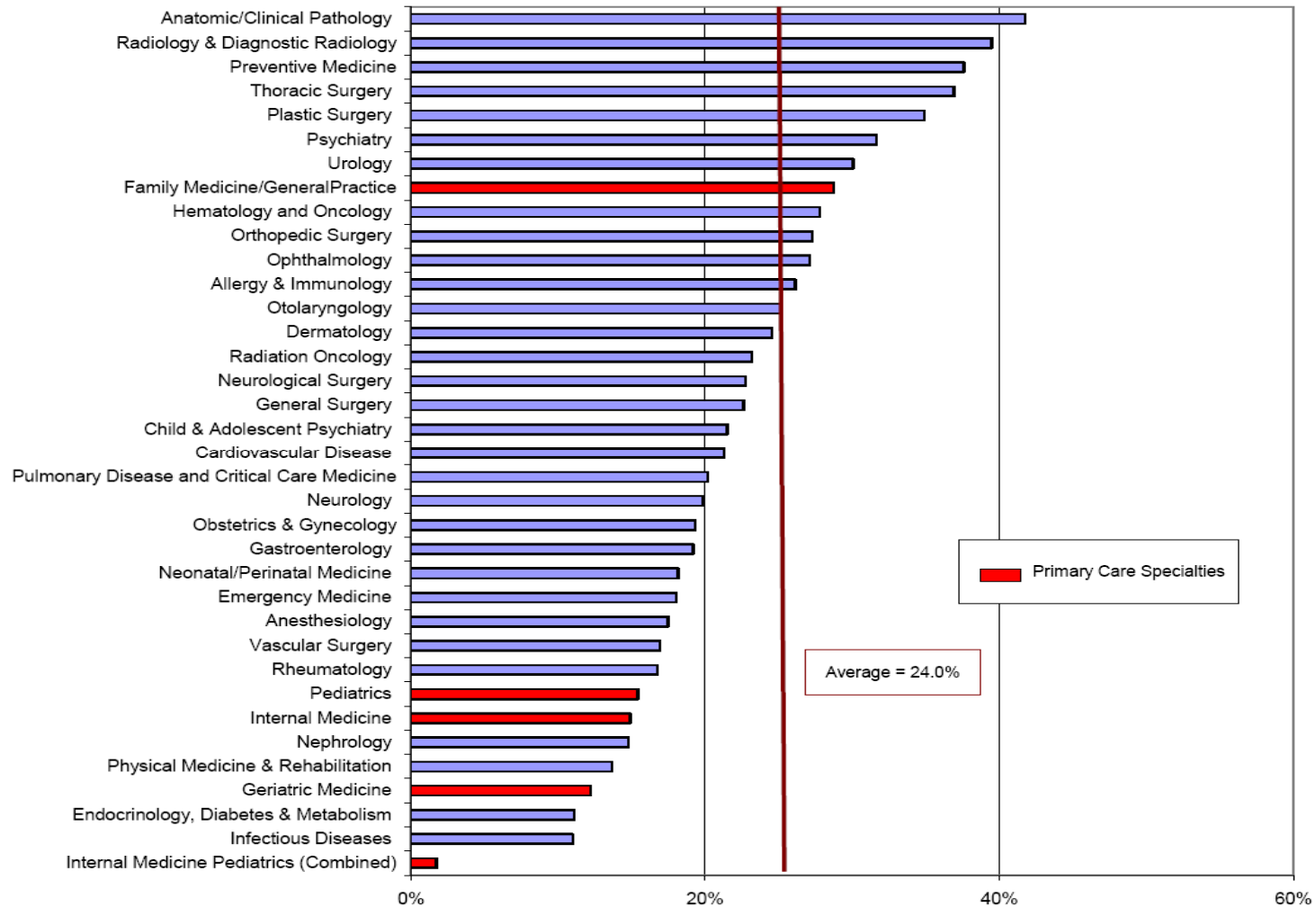
Sources: AMA Masterfile, January 2006

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Physician Workforce

Figure 6.
Proportion of Active DO Physicians Aged 55 or Older by Specialty, 2006*



Source: AMA Masterfile, January 2006

* See Introduction for notes on specialty classification and the definition of "Active Physicians".

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Crisis in Primary Care



The NEW ENGLAND
JOURNAL of MEDICINE

Volume 355:861-864 [August 31, 2006](#) Number 9

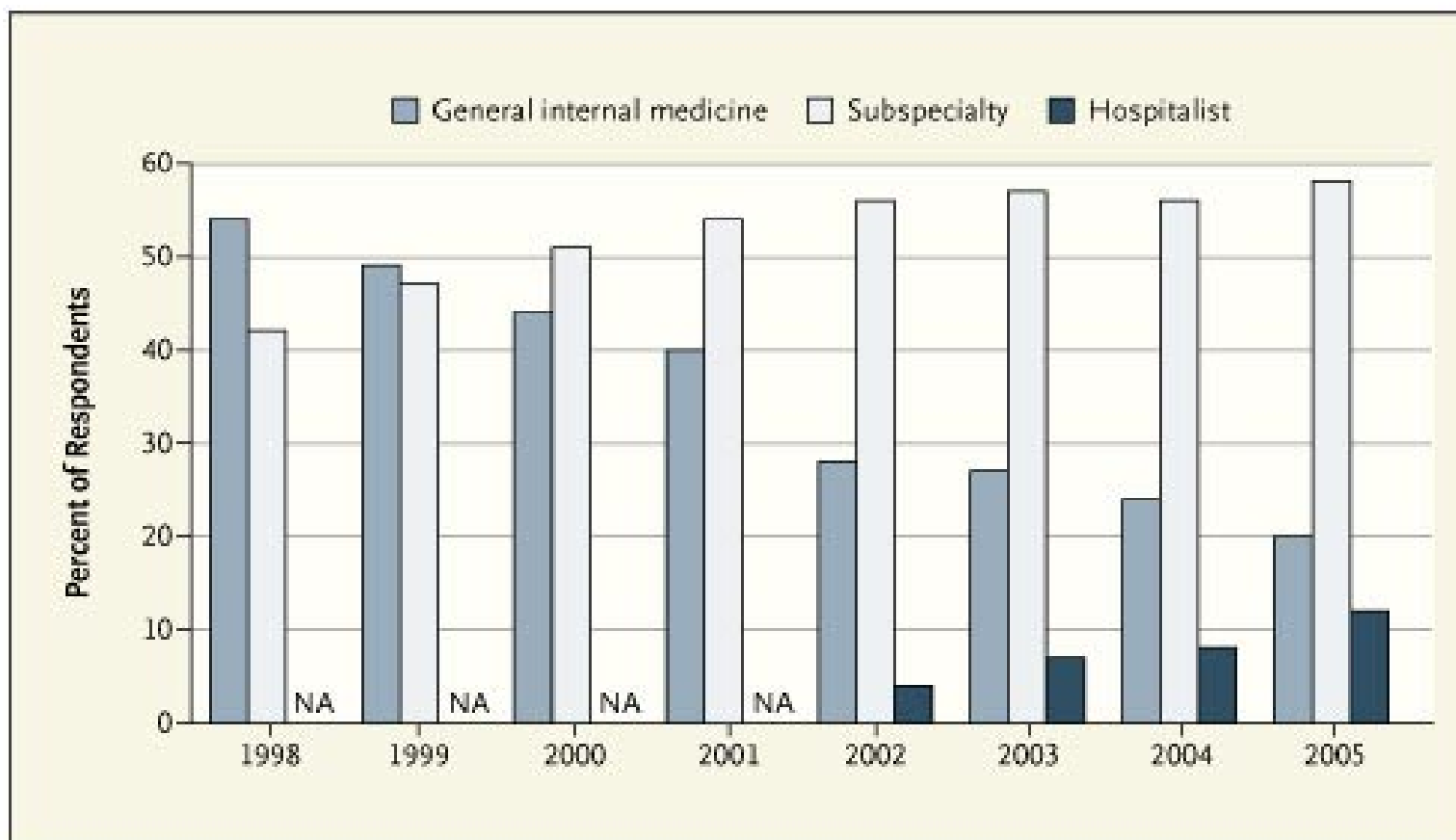
Primary Care — Will It Survive?

Thomas Bodenheimer, M.D.

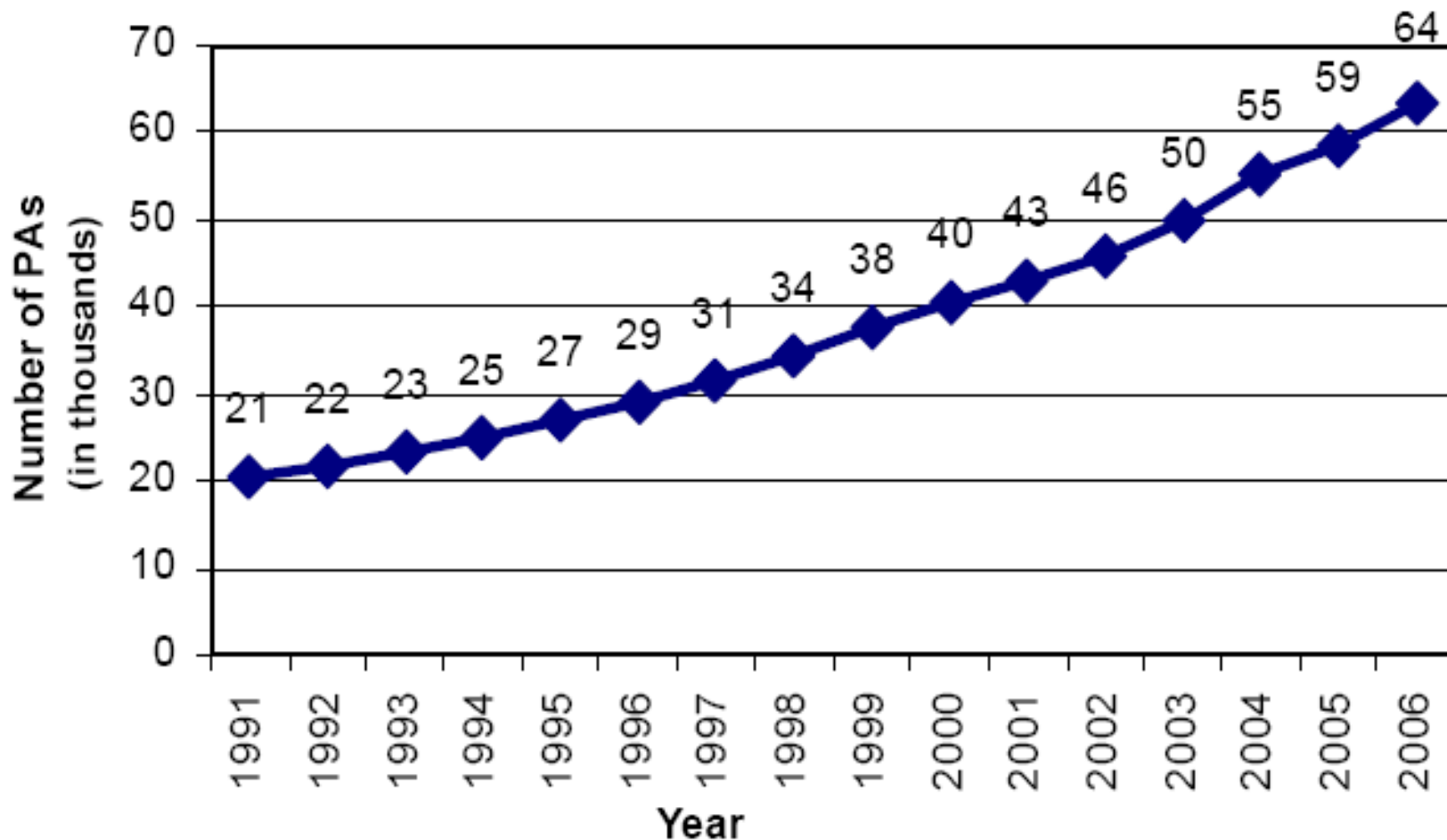
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Third-Year IM Residents Choosing Career as Generalists, Subspecialists and Hospitalists (Bodenheimer, NEJM: 355, 861-864)



Clinically Active PAs Have Nearly Tripled in the last 15 Years (in thousands)

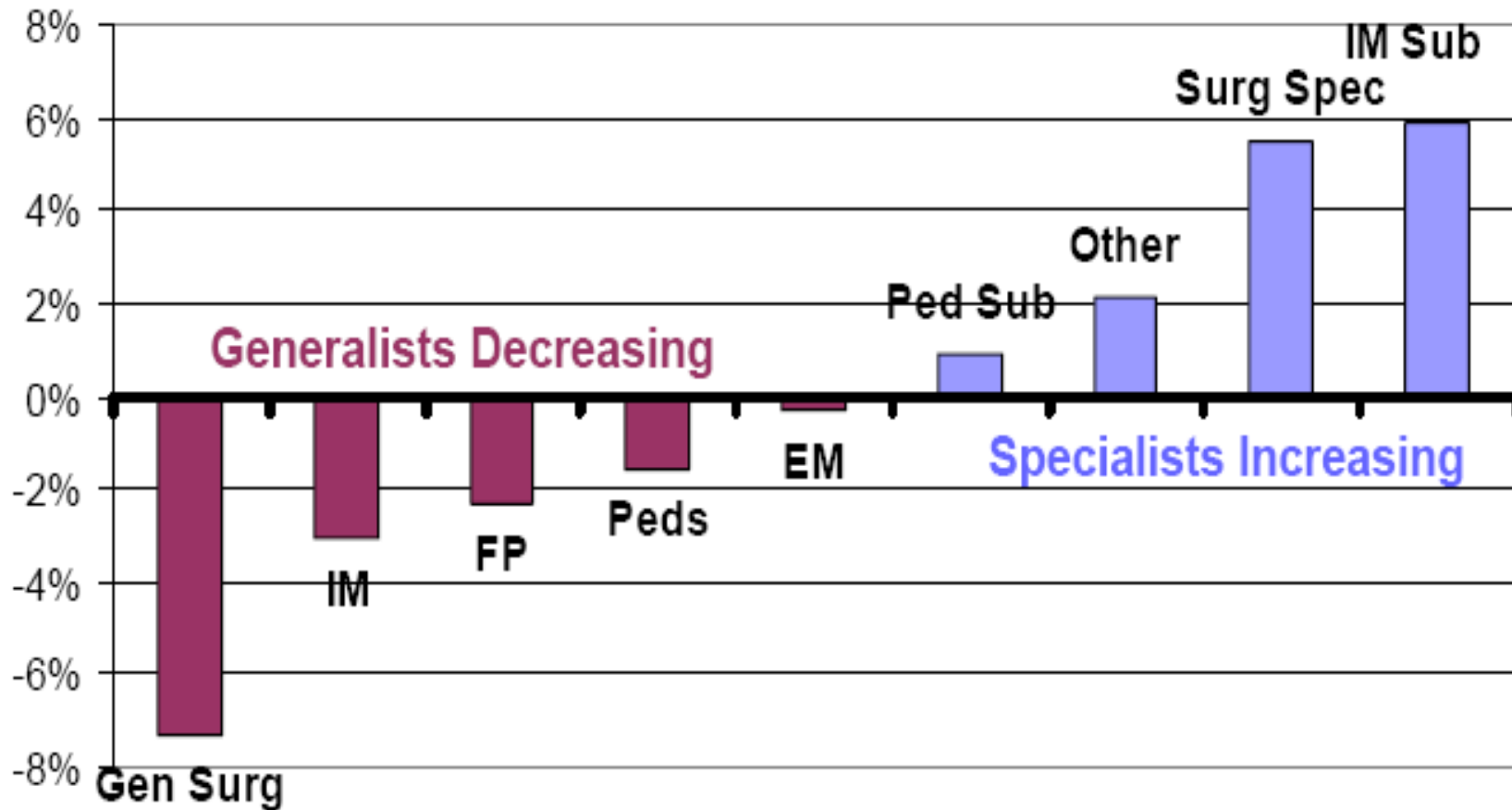


Source: American Academy of Physician Assistants and AAMC

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Over Last 15 Years, Percentage of PAs Going into Generalist Specialties Decreased While Sub-specialists Increased

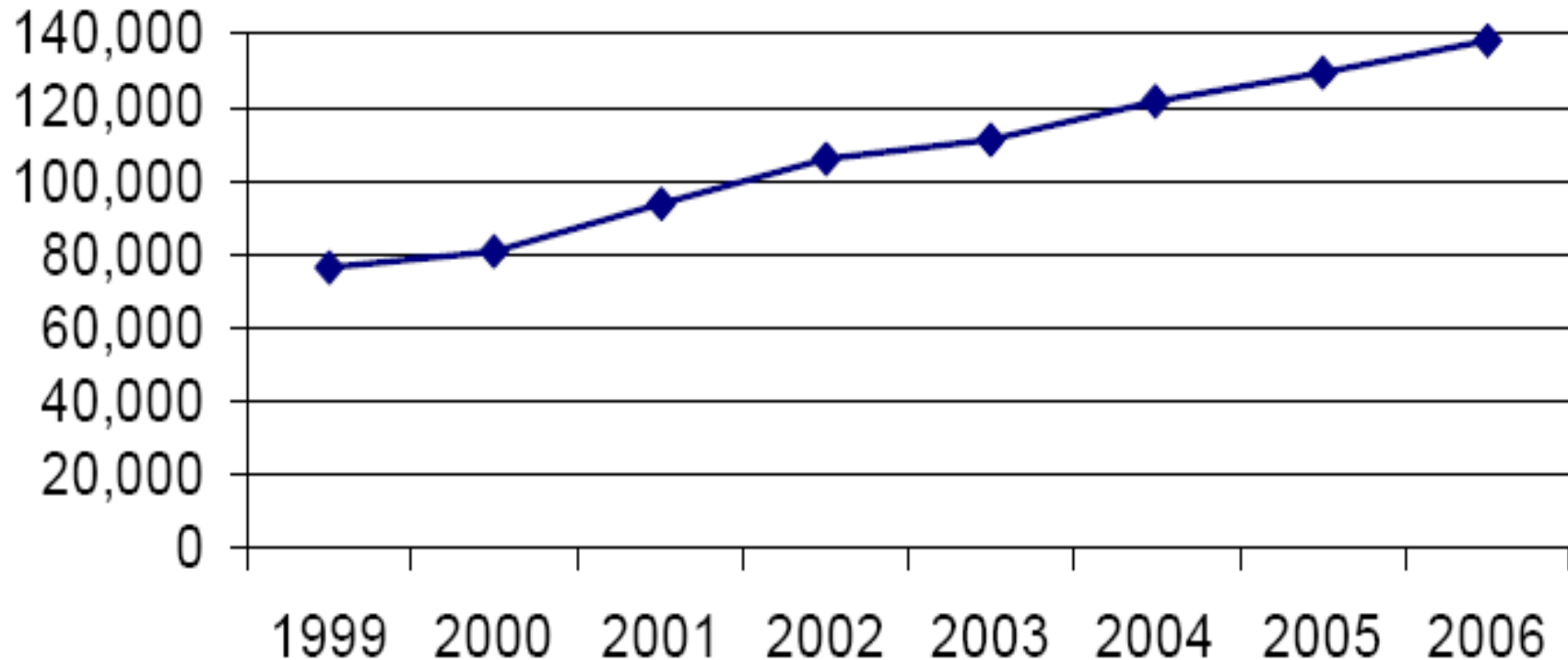


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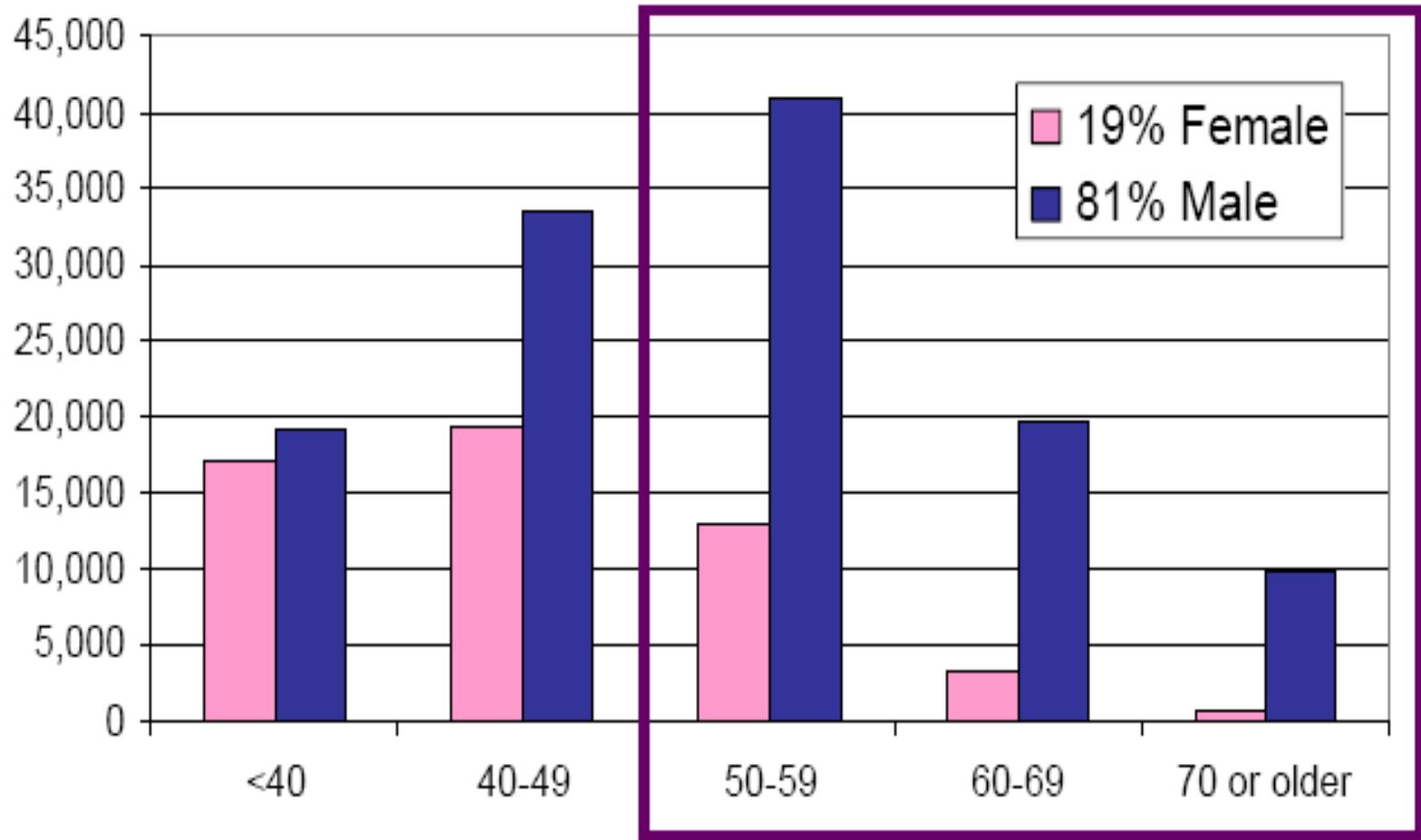
The Number of Licensed NPs Increased by 80 Percent Between 1999 and 2006



Note: Represents sum of all NPs licensed in all states; it is estimated that an unduplicated count would reduce these numbers by 10%.

Source: Linda J Pearson, The Pearson Report: A National Overview of Nurse Practitioner Legislation and Healthcare, Published annually in The American Journal for Nurse Practitioners (AJNP)

Half of the Primary Care Workforce 50 Years or Older



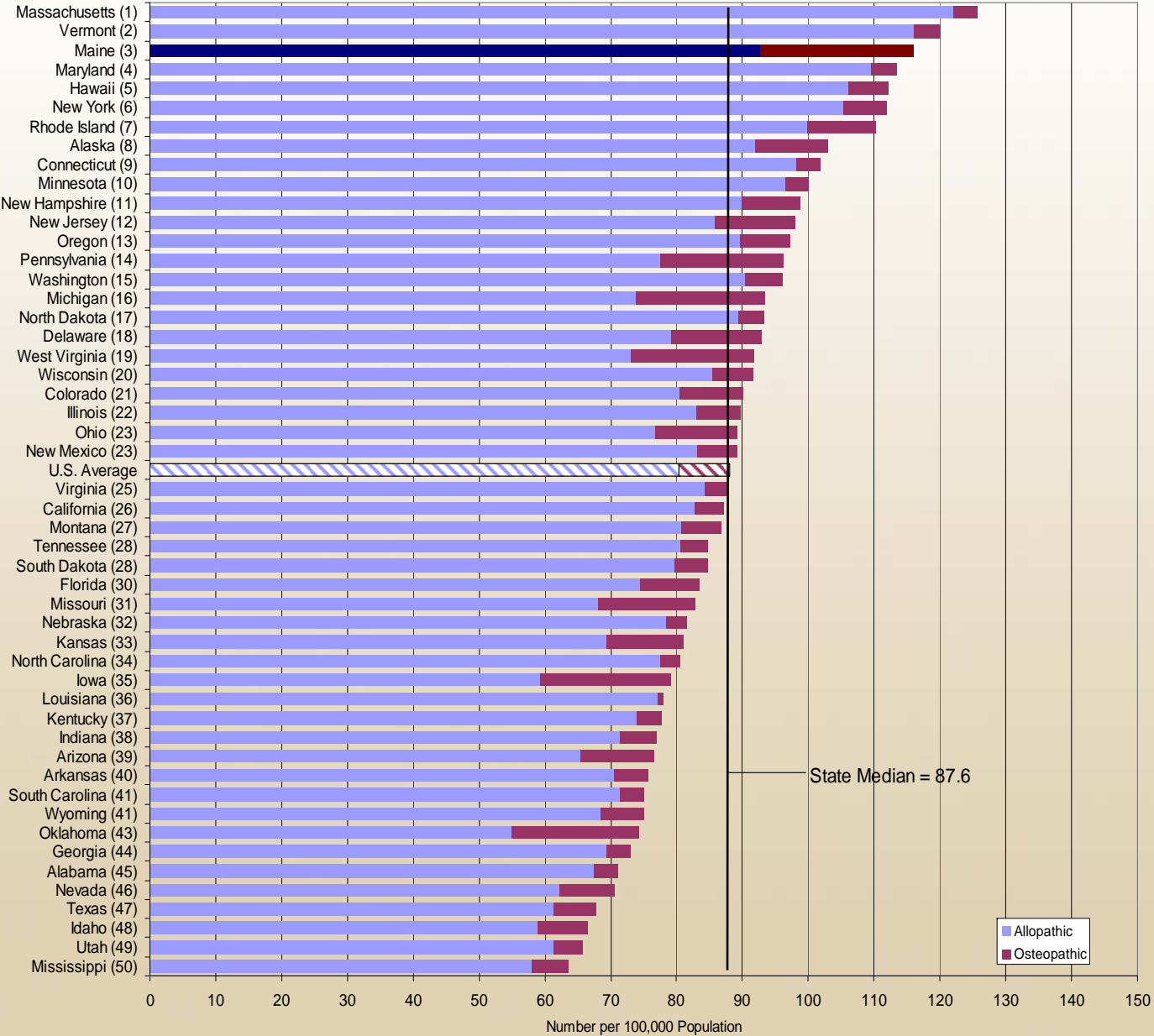
2007 AMA Physician Masterfile
Cleese Erikson, AAMC



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Primary Care Physicians per 100,000



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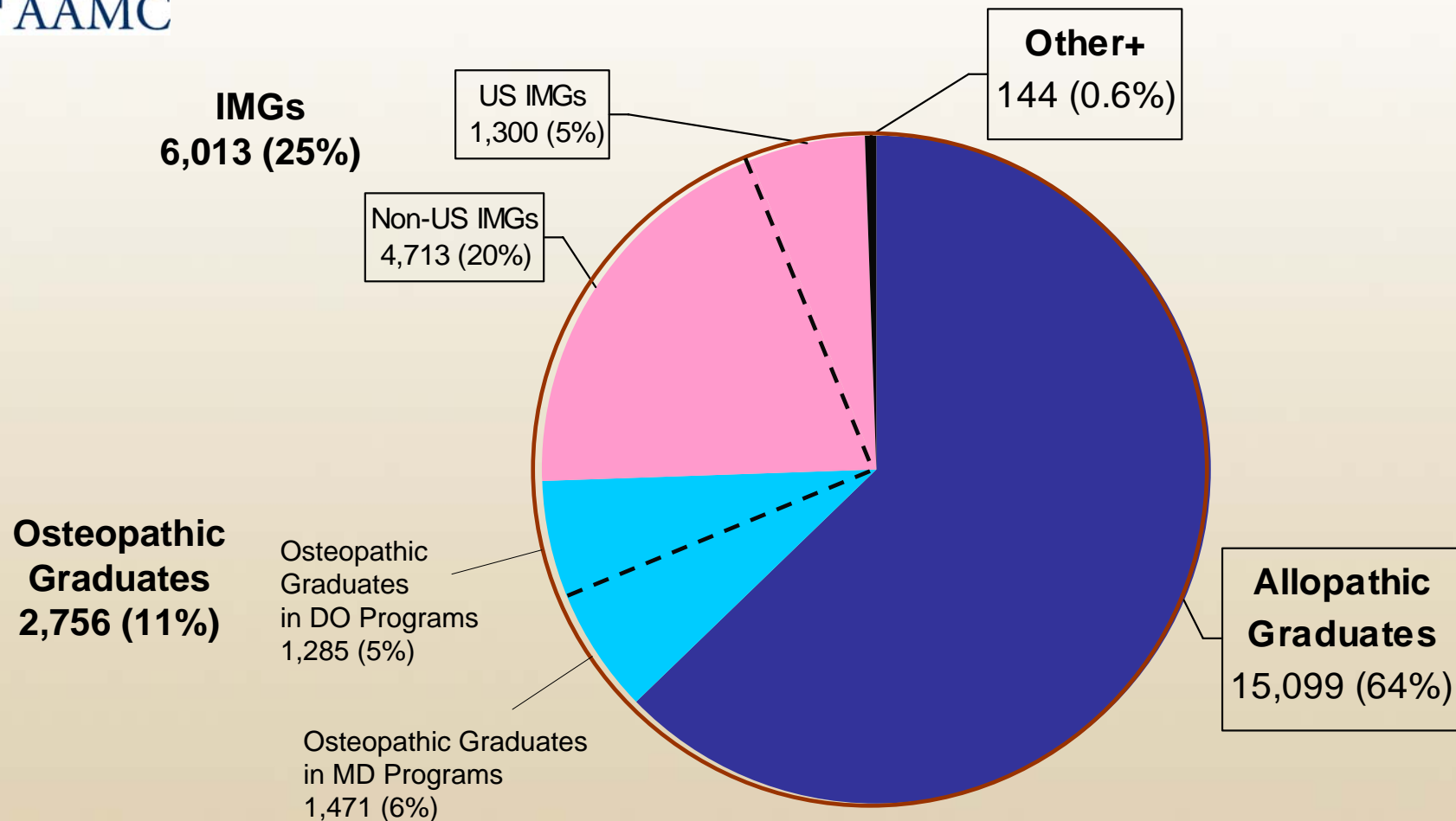
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Number and Source of Physicians Entering GME Training in 2004



24,012 Entered MD and DO Training in 2004



* Total IMGs = 6,013; Distribution among US and Non-US IMGs is estimated.

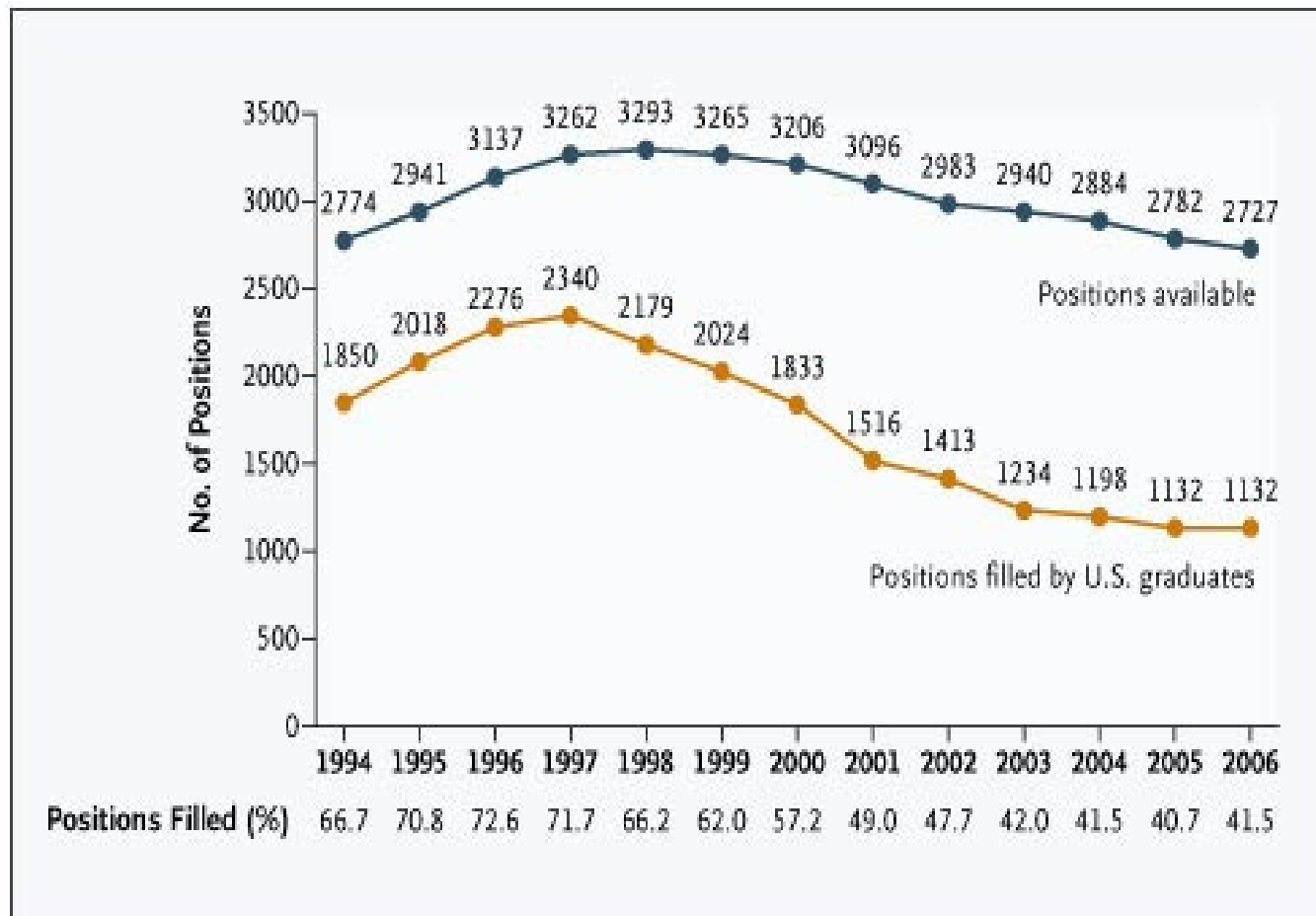
+ Includes Canadian Graduates (72)

Source: AAMC GMETrack and AOA Master File

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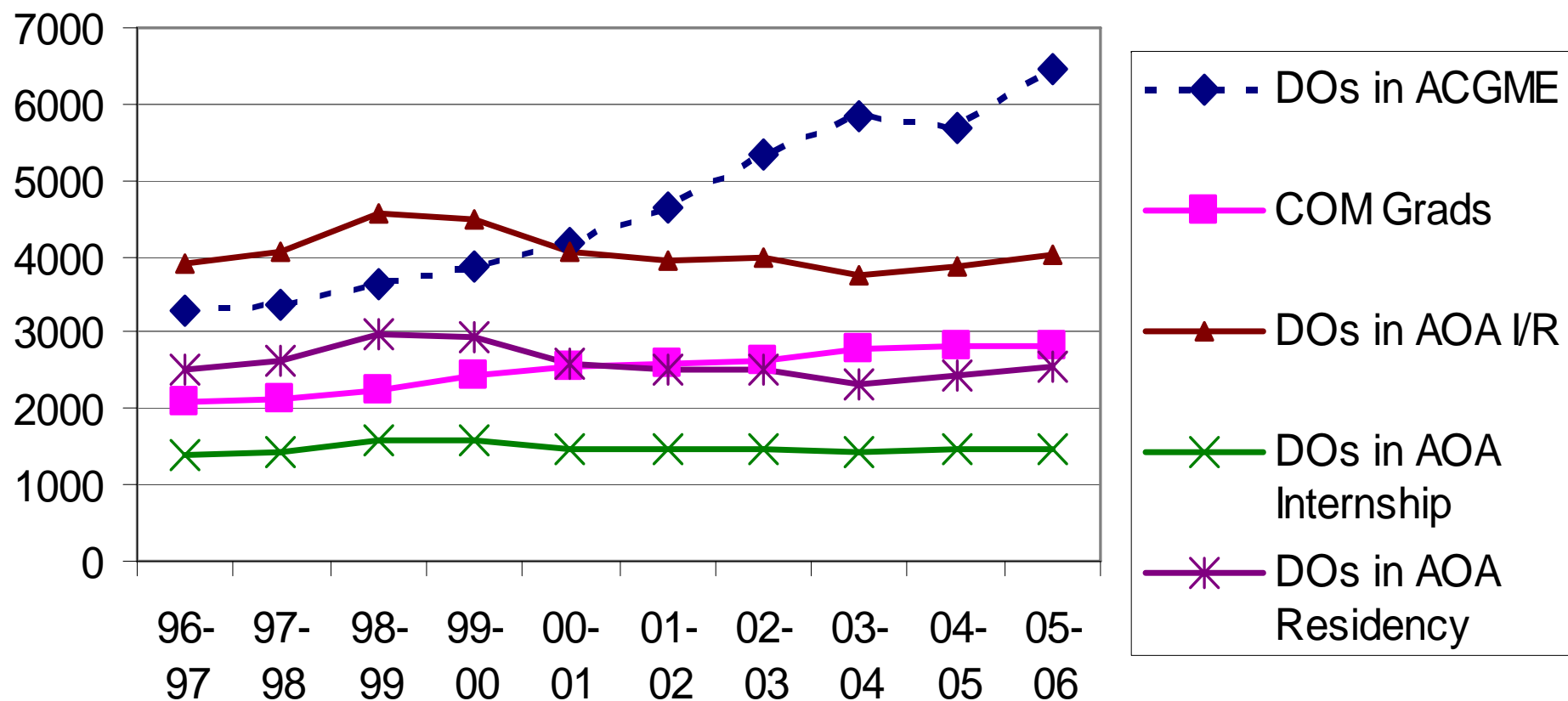
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Family Medicine Residency Positions and Number Filled by U.S. Medical School Graduates (Bodenheimer, NEJM: 355, 861-864)



DOs and Graduate Medical Education

DOs in Training - AOA and ACGME Comparison



GME Issues

- Less than half of DO graduates entering osteopathic match
- Declining percentage of DOs entering osteopathic primary care programs
- Declining number of DOs choosing primary care programs, ACGME or AOA

AOA Match Results (2008 prescramble)

Family Medicine

Matched:	244	44%
Positions:	554	

All AOA Positions

Matched:	1353	59%
Positions:	2312	

DOs in ACGME Programs

2005-2006

Two-Thirds of DOs in ACGME Programs are in:

Program:	# DO	(% DO)
Family Medicine	1341	(14.3%)
Internal Medicine	1173	(5.4%)
Pediatrics	565	(7.1%)
Anesthesiology	512	(10.7%)
Emergency Medicine	364	(8.6%)
Obstetrics/Gynecology	358	(7.6%)
TOTAL	4671	

DOs in ACGME Programs

2005-2006

ACGME Total Residents: 103,106

U.S. MD Grads:	68,578 (66.5%)
IMGs:	27,636 (26.8%)
DOs:	6,474 (6.3%)
Canadian:	386 (0.4%)

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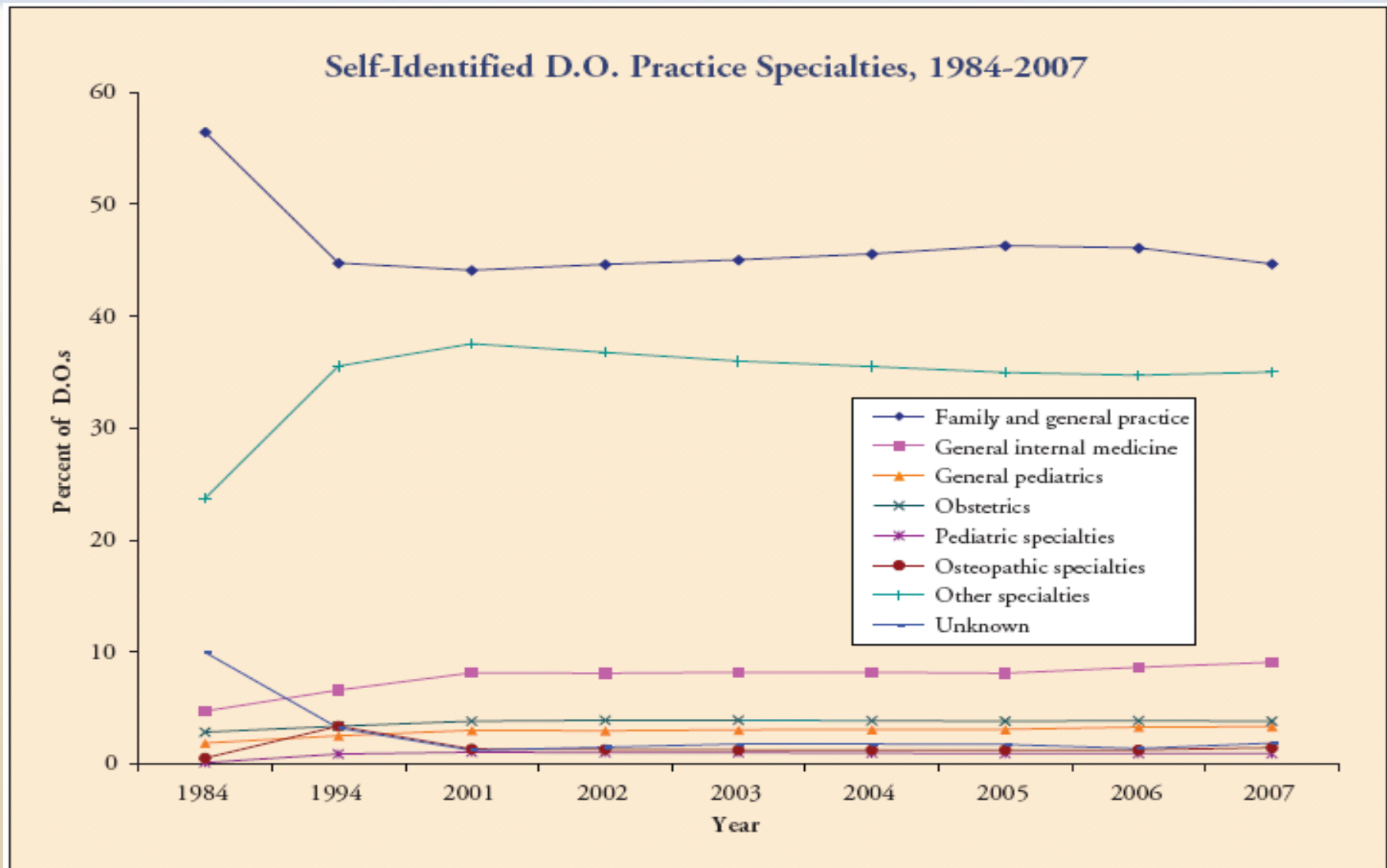
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DO Practice Specialties (Source AOA)

Self-Identified D.O. Practice Specialties, 1984-2007

Family and general practice		General internal medicine		General pediatrics and adolescent medicine		Obstetrics		Pediatric specialties		Osteopathic manipulative medicine (OMM) or osteopathic manipulative treatment (OMT) specialties		Other specialty		
Year	D.O.s	%	D.O.s	%	D.O.s	%	D.O.s	%	D.O.s	%	D.O.s	%	D.O.s	%
2007	18,976	44.67	4,037	9.50	1,791	4.2	1,637	3.9	392	0.9	602	1.4	14,665	34.5
2006	18,610	46.1	3,468	8.6	1,325	3.3	1,543	3.8	365	0.9	498	1.2	14,020	34.7
2005	17,800	46.3	3,107	8.1	1,176	3.1	1,465	3.8	348	0.9	464	1.2	13,431	34.9
2004	16,752	45.5	2,994	8.1	1,127	3.1	1,416	3.8	347	0.9	448	1.2	13,050	35.5
1994	10,136	44.8	1,487	6.6	560	2.5	754	3.3	194	0.9	753	3.3	8,048	35.5
1984	7,224	56.4	598	4.7	236	1.8	361	2.8	13	0.1	62	0.5	3,033	23.7

DO Practice Specialties (Source AOA)



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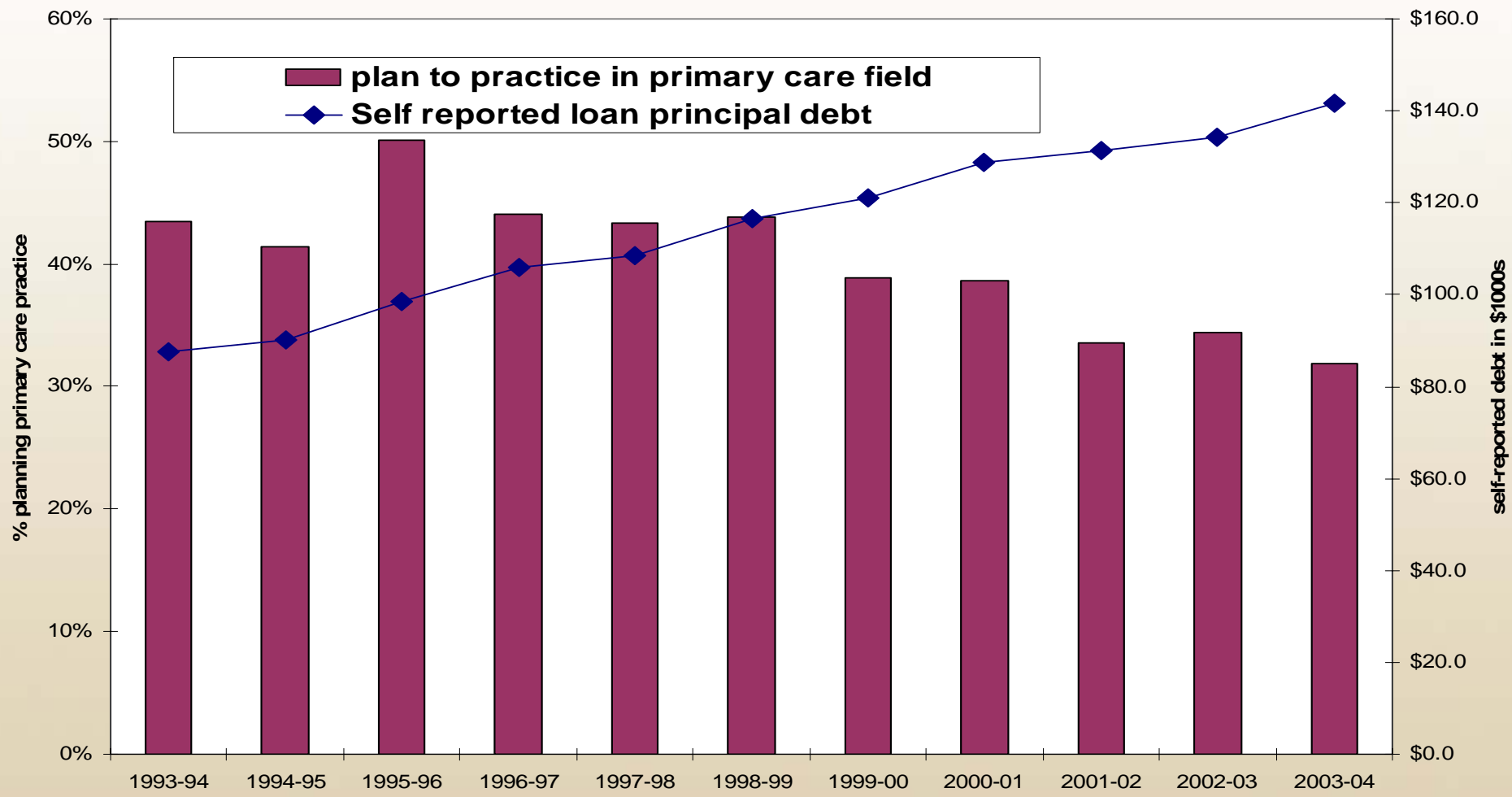
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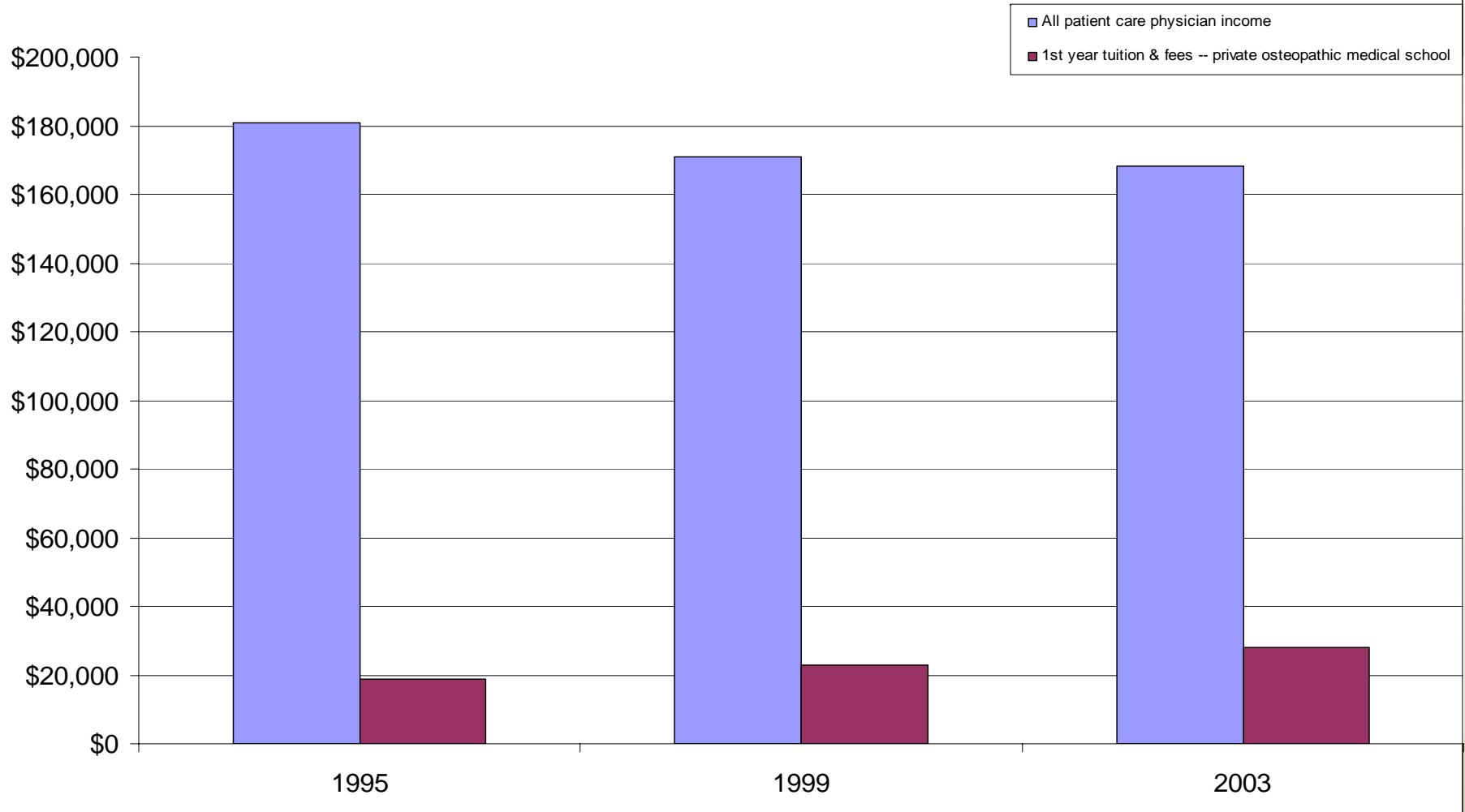
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Primary Care Practice Plans and Educational Debt



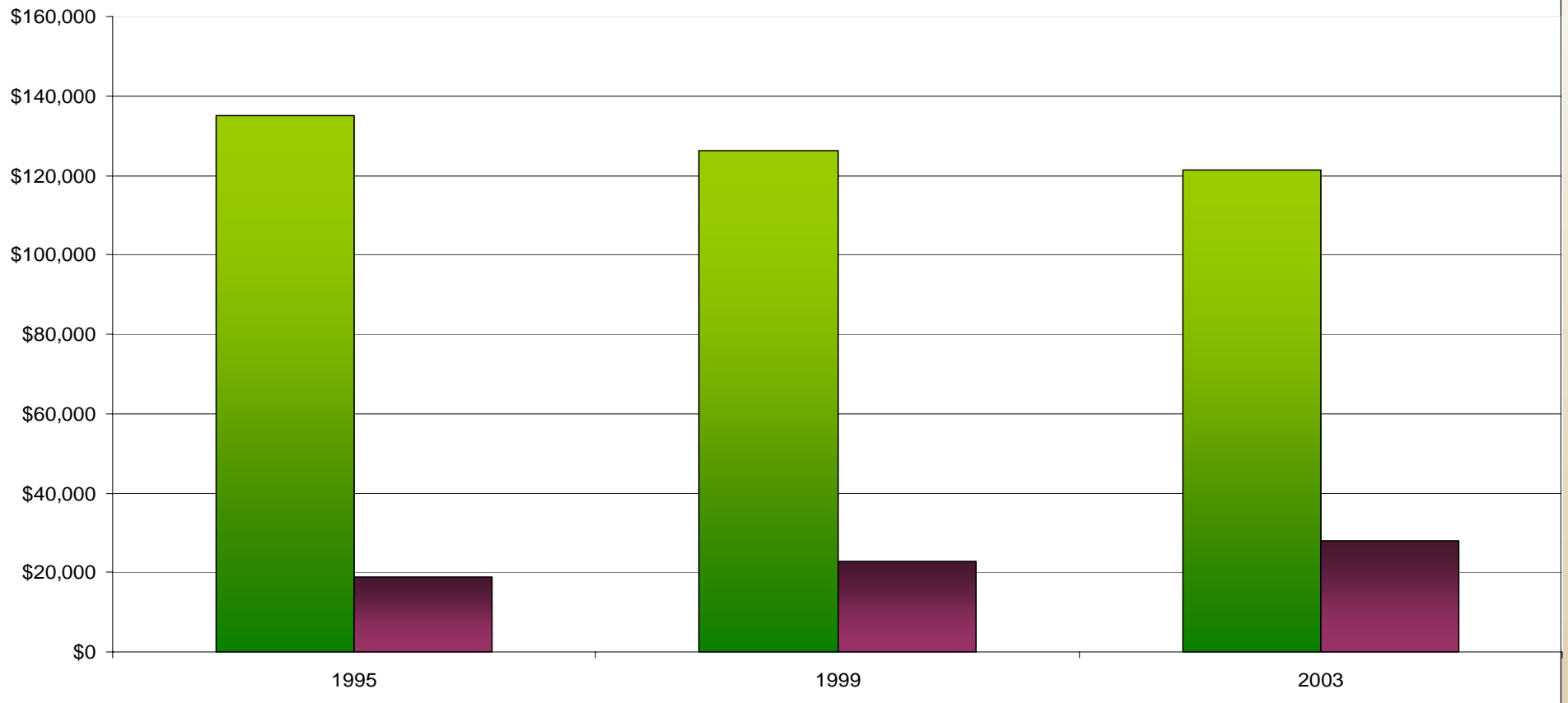
Physician Income and Educational Debt

Physician income and 1st year tuition -- all physicians
Adjusted to account for inflation



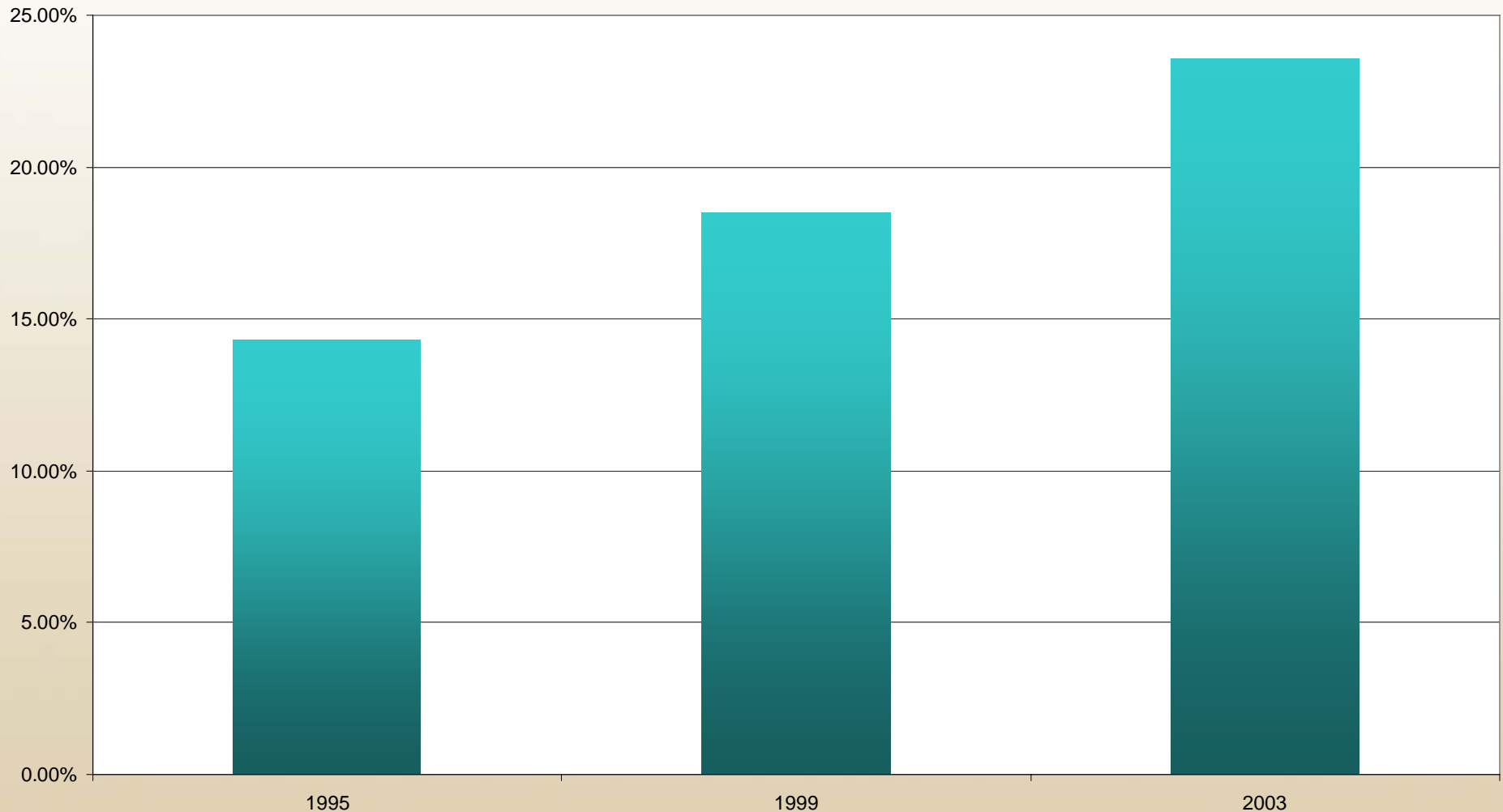
Physician Income & Educational Debt

Physician income and 1st year tuition -- primary care only
Adjusted to account for inflation



Physician Income & Educational Debt

1st year tuition as % of primary care physician income
constant \$s adjusted for inflation

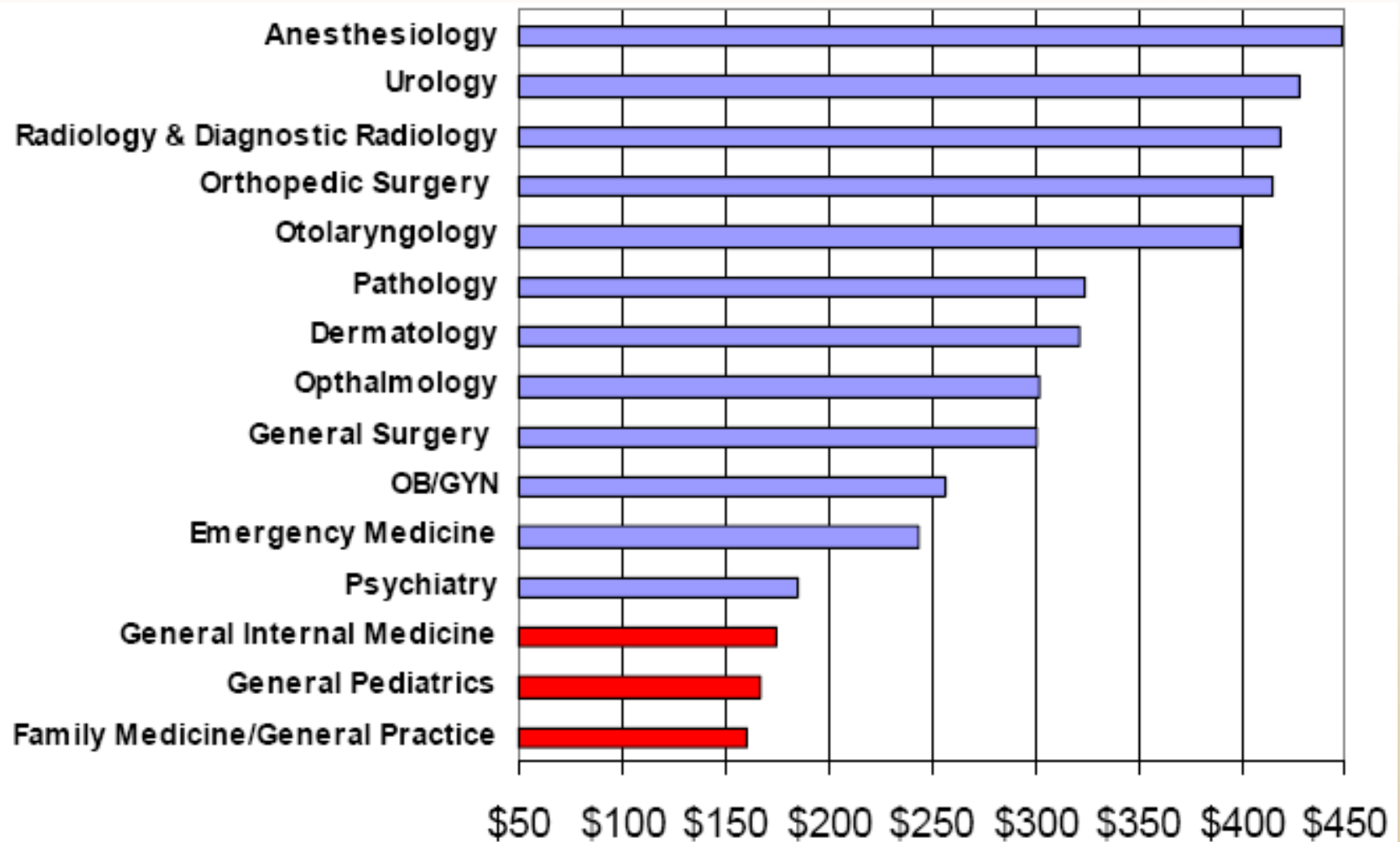


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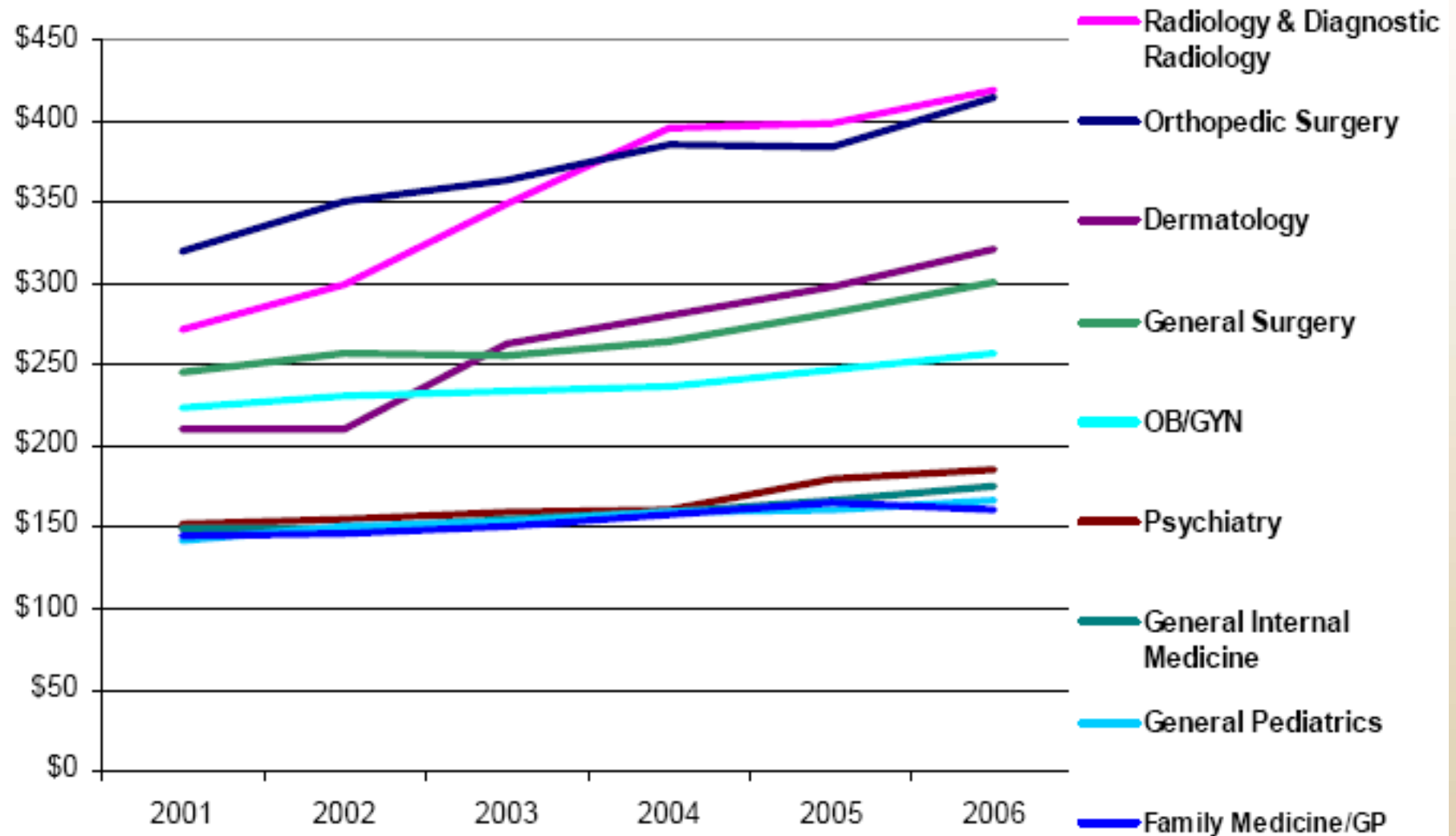
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Primary Care Income Far Less than most Other Specialties

(Median Salary by Specialty, in Thousands of Dollars)



...and Differences Between Primary Care and Other Specialties Is Growing (Median Salary by Specialty in Thousands of Dollars)



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What Can Be Done -- Macro Level

- Family Medicine for the 21st Century
- Policy Changes
- Reimbursement must Change
- Interdisciplinary Education
- Chronic Disease Epidemic & Prevention

What Can Be Done – Micro Level

- Redefining OGME Family Medicine
- Partnering with COMs
- Demonstrate Quality & Publicize Results
- Recruiting participation
- Mentoring
- Targeted Training

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– AACOM Mission Statement

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