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Assessment of Physician Workforce Supply and Demand in the US

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State Health Werkieree Research and Planning



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Concurrent Session 10:15 - 11:30 A.M. Friday, May 9 New Orleans I A



"Assessment of Physician Workforce Supply and Demand in U.S."

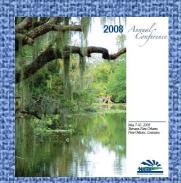
Michael E. Samuels, Dr.P.H.

Distinguished Scholar and Endowed Chair in Rural Health Policy

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State Health Workforce Research and Planning
Concurrent Session

10:15 = 11:30 A.M.

Friday, May 9 New Orleans, LA

Factors Influencing US Future Supply

Total Numbers

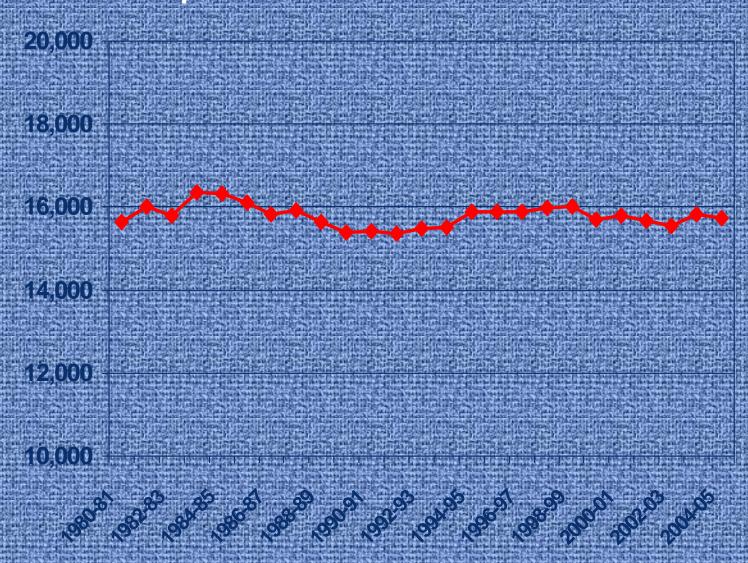
- Medical school production (MD, DO)
- International migration and IMG policies
- Aging of physician workforce & retirement

Impacts "effective" supply

- Gender and generational differences
- Lifestyle choices
- Changing practice patterns
- Productivity changes (i.e. NPs/PAs, IT)

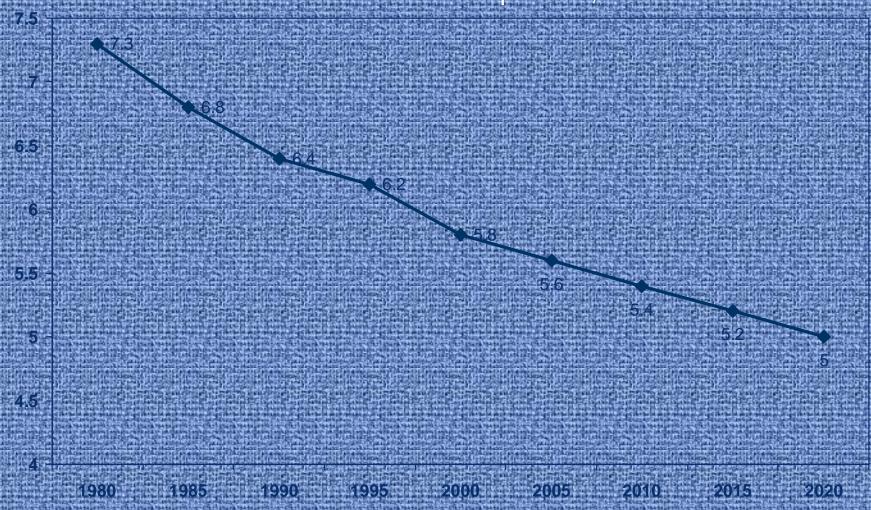


US Allopathic Graduation Trends



Source: AAMC Data Book, AAMC Facts
Prepared by AAMC, Center for Workforce Studies, Jan 2006

US Per-Capita MD Enrollment Has Fallen Since 1980 First Year Enrollment per 100,000

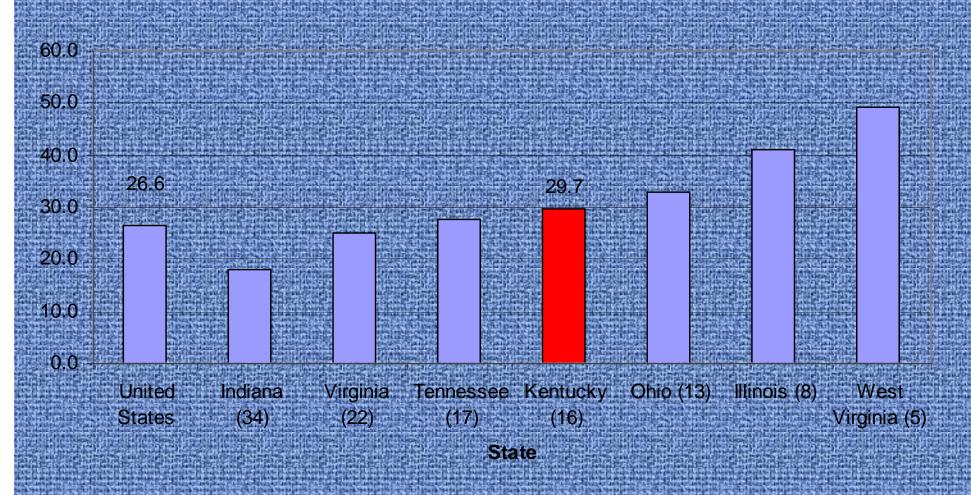


Source: AAMC Data Book: US Census Bureau

Prepared by Center for Workforce Studies, AAMC, Feb 2006.

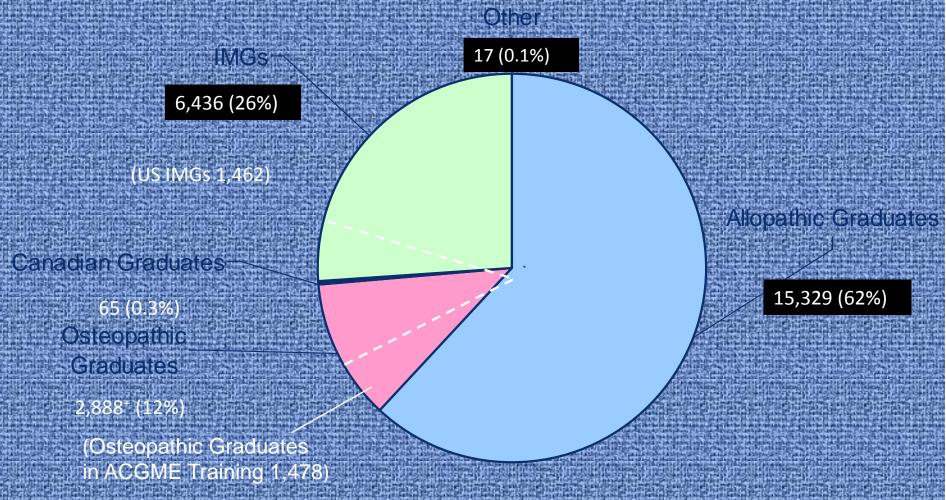
MD & DO Enrollment per Capita (AAMC 2003)

MD & DO Enrollment Per Capita



US MDs Are Less Than 2/3 of Physicians Entering Graduate Medical Education, 2005

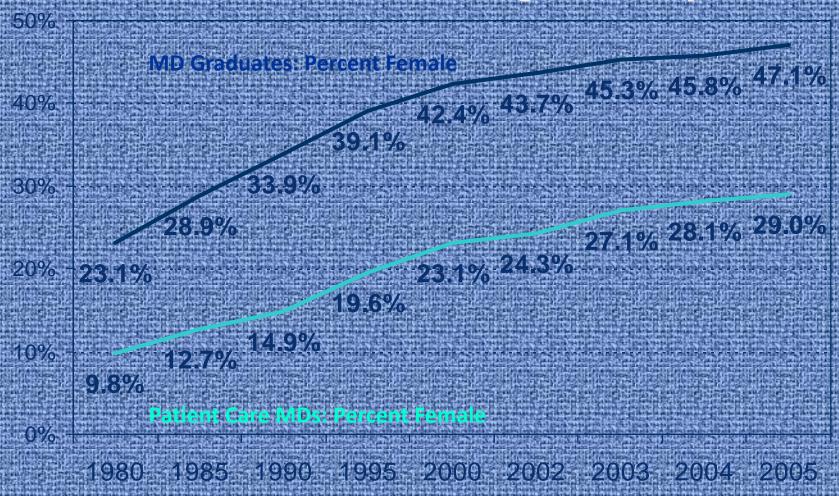
24,735* entered in ACGME and AOA training in 2005:



^{*} Includes both allopathic and osteopathic residents

⁺ Number of DO graduates projected by AACOM. All the graduates are assumed to have entered ACGME or AOA GME. Sources: AMA and AACOM, 2004 Annual Report on Osteopathic Medical Education Prepared by the AAMC Center for Workforce Studies

The Percent of US Physicians That are Female Is Rising Steadily



Source: AAMC Facts; AMA PCD 2006 Edition.

Prepared by AAMC Center for Workforce Studies, Jan 2006

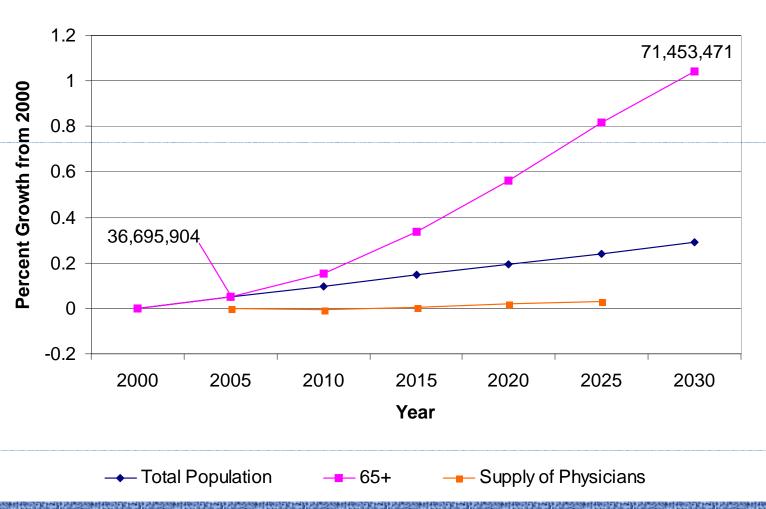
Factors Affecting Demand for Physicians

- Aging & growth of population
- Wealth of the nation
- Public expectations
- Growth in non-physician clinicians
- New medical interventions
- Changing methods and systems of care
- Cost containment efforts



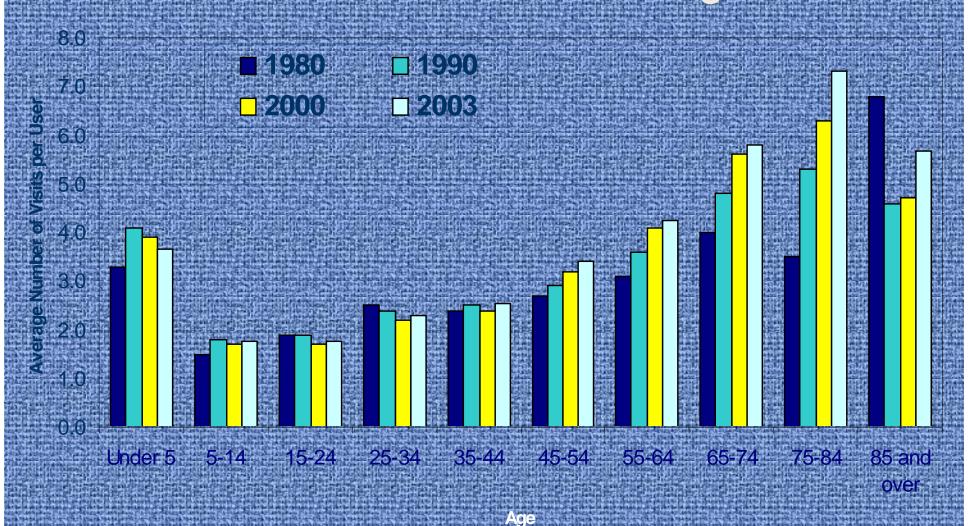
US Population Over Age 65 Will Double by 2030





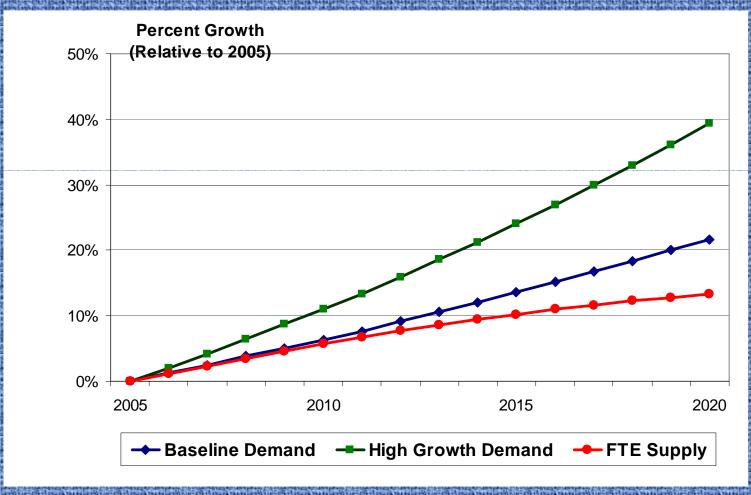


Utilization of Services Rises with Age and Time



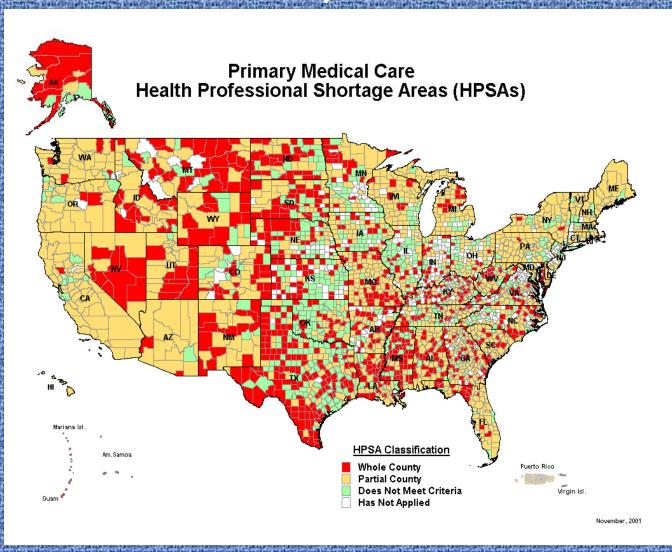
Source: NAMCS, 1980, 1990, 2000 & 2003 Center for Workforce Studies

HRSA Suggests a Shortage of at Least 55,000 Physicians by 2020





Unmet Need 30 million People In HPSAs



Source: HRSA/AAFP/AAMC

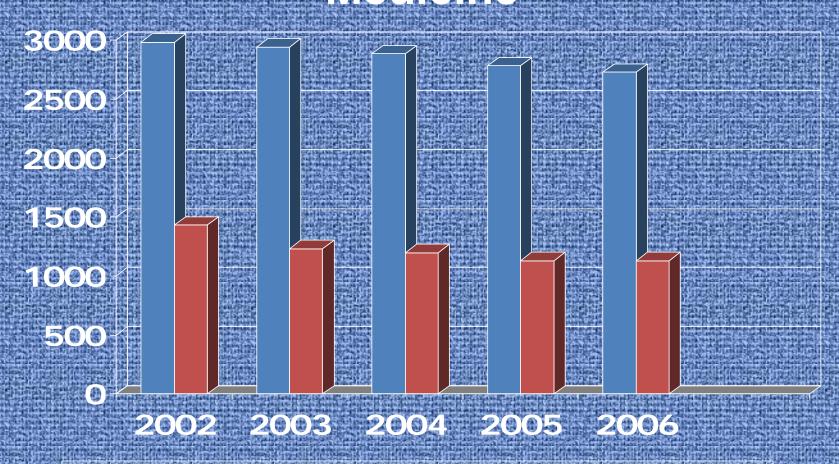
Why Predict the Physician Workforce?

- Previous studies unpredictable
- COGME Increase first year residency positions by 3,000 by 2015



- AAMC Increase medical students 30K
- Impact on medical schools, GME
- Reduced interest in FM, primary care
- How will demographic changes affect Kentucky's physician workforce?

2006 NRMP Results for Family Medicine



Positions Offered Filled with US Seniors

---- NRMP = National Resident Matching Program; http://www.gafp.org//afp/20050801/graham.html

Factors Influencing Future Physician Supply

- Physician age
- Retirement rate
- Gender
- Location
- Work ethic
- Type of practice



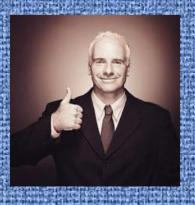
Factors Influencing Future Need and Demand for Physicians

- Aging population
- Chronic diseases
 - Cardiovascular disease
 - Cancer
- e Education



Socio-economic level

U.S. Recommendations



- Strategies to increase supply of physicians
 - Increase residency programs
- Strategies to increase diversity



Encourage schools to increase URM among students and faculty

Recommendations



- Strategies to increase supply of physicians
 - Provide incentives for physicians to practice in underserved areas
 - Support expansion of NHSC
 - Increase residency programs
 - Support non-physician collaboration (e.g. Rural Clinics)
 - Simplify reimbursement mechanisms

Recommendations

- Strategies to address maldistribution
 - Develop more community health centers
 - Promote higher physician reimbursement in shortage areas



Recommendations

- Strategies to increase productivity
 - Support develop better "systems" of care
 - Support enhanced patient care telecommunications

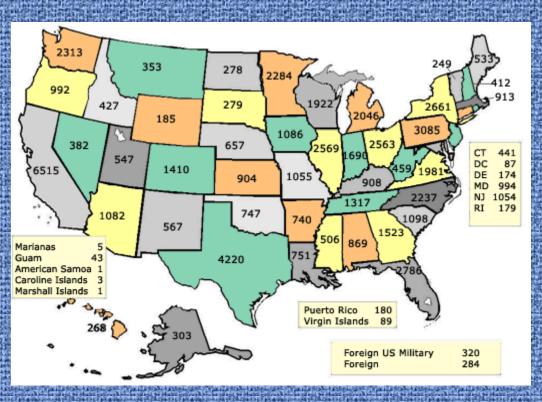




- Strategies for more effective workforce planning
 - Support state systems for ongoing physician workforce data collection and planning

Planning for the Nation's Health





http://www.unmc.edu/Community/ruralmeded/FM_distribution.htm

Thanks