

PHYSICIAN WORKFORCE and Virginia

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PHYSICIAN WORKFORCE

- U.S.
 - 264 physicians / 100,000 population
 - #13 from highest # /20 OECD Countries
- 11 Specialty reports 2000-2007
 - e.g. Cardiology, Dermatology, Allergy, Radiology
 - All say current shortages

PHYSICIAN DEMAND

- More patients
 - Baby boomers
 - More of them
 - Live longer
 - White teeth
 - Want it NOW
 - Future: Uninsured
- New technology
 - More geneticists, surgery less invasive

PHYSICIAN SUPPLY

- Aging
 - 1985: 117,000 >55 yo
 - 2005: 252,000 >55 yo
- Retirement
 - Currently increasing from 10% to 20% next 10 years
- Lifestyle
 - Gender
- Productivity
 - Electronic Health Records
 - ?15%
 - 8 minute doctor visit to 10 minutes

PROJECTED SHORTAGES

- By 2020 projected shortage of physicians
 - Virginia 1500 physicians / 14,000 (11%)
 - Similar to US % shortage

APPROACHES TO PHYSICIAN SHORTAGE

1. Increase medical school class size
 - Classroom buildings, payment for teachers
2. Increase number of residency positions
 - Payment for positions and / or per position
3. Improve yield of medical students and residents that stay in state to practice or move here (36% stay)
 - Loan forgiveness
4. Teams of care (less need for MD)
 - Models for Nurse practitioners /Physician assistants

MEDICAL SCHOOL CLASS SIZE

- Current graduation from Virginia Medical Schools = 586 per year
- Need 1500 more physicians by 2020
 - 12 years
- Current estimate is to increase total Virginia graduates (MD + DO) by 100 per year (36% stay) = 36
- Assume increases begin in 2010
 - Graduates begin practice in 2017
- 36 per year for 3 years = 108 /1500

UVA and MEDICAL SCHOOL CLASS SIZE

- Commit to 15-20% increase (20-30)
 - Facility
 - UVA Medical Education Building opens 2010
 - Teachers
 - Require identification of clinical teachers in high volume practices 2010+