



# Careers in Health Sciences



King Drew Medical Magnet/Kotzebue/NLM  
videoconference

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# Discussion Points



- Why is a career in health sciences important?
- What is the current landscape for career entry?
- Important aspects of the admissions process
- Career training pathway
- Where should you go to medical school?



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# Why a Career in Health Sciences



- We need you

- ??????????

- ??????????



# Need for Minority Health Scientists from diverse backgrounds



- Racial/Ethnic Disparities in Health
- Under-representation of minority physicians and health scientists
- Under-representation of scientists from underserved communities



# Racial/Ethnic Disparities

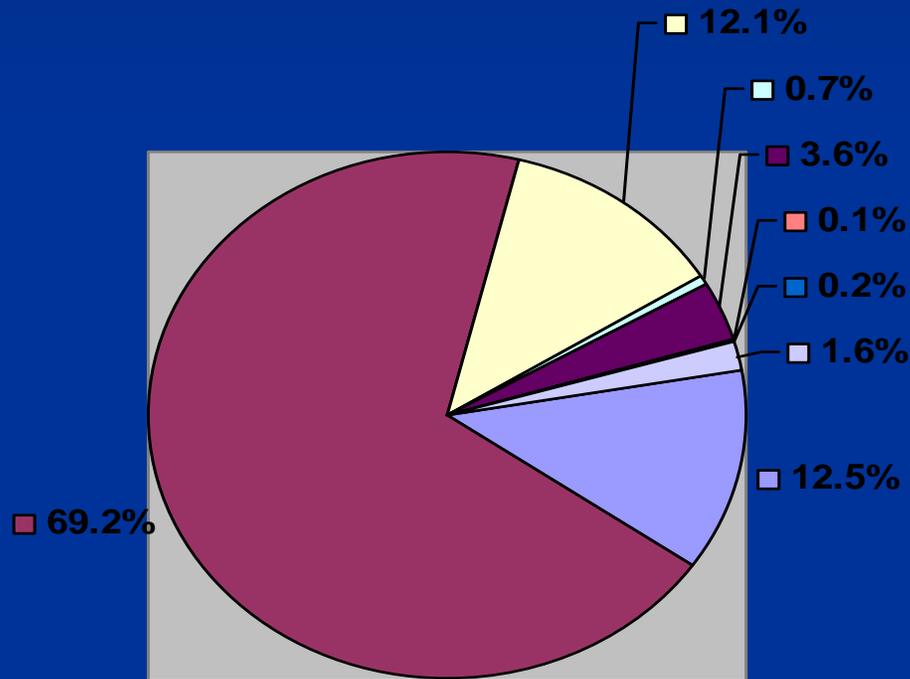


- Tremendous extra burden of disease associated with race/ethnicity and place
- Documented race-based and place based inequities in health care delivery





# U.S. Population by Race and Hispanic or Latino Origin: All ages (2000 US Census)



- Hispanic/Latino
- White
- Black/AA
- American Indian & Alaska Native
- Asian
- Native Hawaiian & Other Pacific Islander
- Other Race
- Two or More Races



# Need for Minority Physicians



- Over 25% of US population is Black, Hispanic or Native American
- Black Physicians only 3.3%
- Hispanic Physicians only 2.8%
- Native American Physicians only 0.3%



# Why a Career in Medicine



- We need you
- Rewarding
- ????????????



# Benefits of Career in Health Sciences



- Impact
- Autonomy
- Prestige
- Money
- Satisfaction
- Career Flexibility



# Physician Types



- Clinician
- Physician educator
- Physician Scientist
- Physician Leader (Policy)
- Physician Manager
- Physician Corporate Business leader



# Health Sciences Careers



- Health Professionals
- Health Scientists



# Why a Career in Medicine



- We need you
- Rewarding
- You Can!



# Challenges of Health Sciences Career



- Difficult to enter
- Hard work / Life Long Learning
- Significant Responsibility



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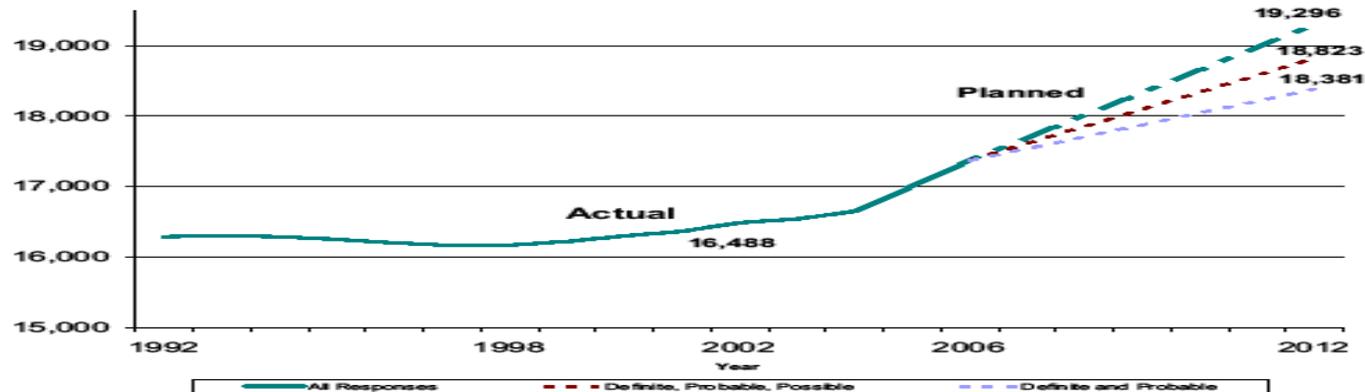
# Medical School Expansion Plans



Medical School Expansion Plans: Results of the 2006 AAMC Survey



**Figure 1. Projected Number of Matriculants in 2012**  
(Current projection represents an increase of 17.0 percent from baseline of 2002)



While expected increases through 2012 fall short of the AAMC's call for a 30 percent increase in first-year enrollment by 2015, they indicate that medical schools are beginning to actively answer the call for increases in enrollment in an effort to minimize an impending physician shortage. It is also likely, given the interest in medical school expansion, that there will be additional expansion not yet in the formal planning phase. However, since many of these planned increases in first-year enrollment depend upon state support or other outside funding for medical education, it is unclear whether the 30% expansion will come to fruition over the next decade.



# Applicant Pool (2004)



- Total Applicant Pool 35,735
- African American applicants 2,802 (7.8%)
- Hispanic applicants 2,545 (7.1%)
- Asian applicants 6,734 (18.8%)



# Medical School Admission Rates (2004)



- Total Applicant Pool 49.4% (17,662 of 35,735)
- African American applicants 41.3% (1,160 of 2802)
- Hispanic applicants 48.8% (1,245 of 2545)



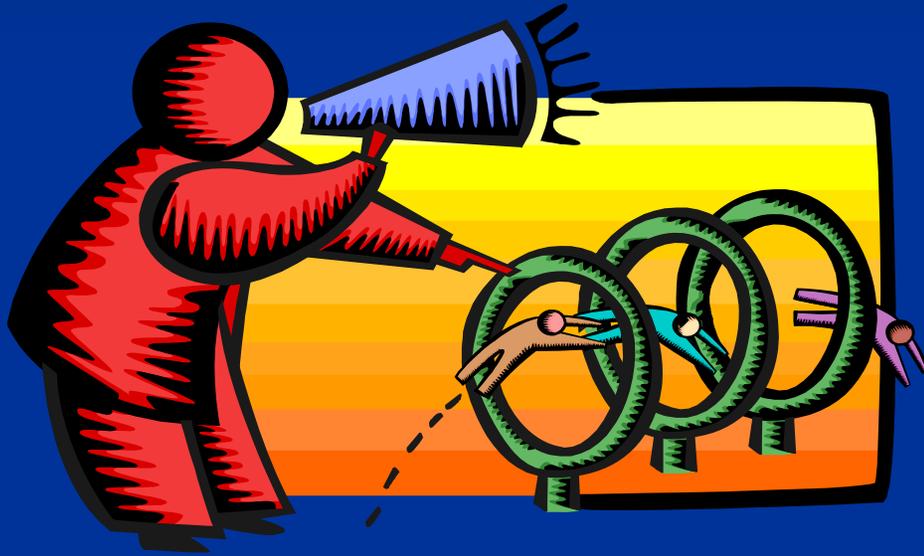
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# The Admissions Process





# Admission Process (Selection Criteria) Health Sciences Careers



- Standardized Test
- GPA
- Prerequisites
- Experience (extra curricular activities)
- (Mentors/Advisors)



# Admission Process (Selection Criteria) Medical School



- MCAT
- GPA
- Recommendations
- Extra-curricular Activities
- (Counselor/Mentor)



# Admission Process (Required Courses)



- English - One year including English Composition
- Mathematics – One year including intro calculus, statistics
- Physics – One year with laboratory
- Biology – One year with lab
- Chemistry – Two years including inorganic, organic or quantitative analysis with Lab
- (Team Work/Face Time/Planning)



# Admission Process (Admission Vehicles)



- Undergraduate School
- Post Baccalaureate Program
- Graduate School/Professional School
- Post Doc



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# Career Training Pathway



- Premed
- Medical School
- Internship
- Residency
- (Fellowship)
- CME



# Careers in Health Sciences



Become a health professional or health scientist and change the world around you!



# Residency Training



- Primary Care
- Specialty Care
- Diagnostic



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# Type of Medical School



- Clinical
- Academic
- Mission Specific



QUESTIONS?



THANK YOU...