



Robert Wood Johnson  
Foundation

# Preparing the Future Latino Dentist and Physician: The Role of the Summer Medical and Dental Education Program (SMDEP)

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## Summer Medical and Dental Education Program

SMDEP is a national program funded by the Robert Wood Johnson Foundation with direction and technical assistance provided by the Association of American Medical Colleges and the American Dental Education Association.

# AAMC & ADEA



**The Association of American Medical Colleges (AAMC) serves and leads the academic medicine community to improve the health of all.**

AAMC represents all 137 accredited U.S. and 17 accredited Canadian MD granting institutions; major teaching hospitals and health systems, including Department of Veterans Affairs medical centers; and academic and scientific societies.

# AAMC & ADEA



**The American Dental Education Association (ADEA) leads individuals and institutions of the dental education community to address contemporary issues influencing education, research, and the delivery of oral health care for the health of the public.**

Its members include all U.S. and Canadian dental schools and many allied and postdoctoral dental education programs, corporations, faculty, and students.

# Health Care Needs & Workforce Challenges



- Persistent health care and oral health disparities (over 4,000 dental HPSAs)
- Changing U.S. demographics with an aging and more racially and ethnically diverse US population.
- Surge of new dental & medical schools

# Health Care Needs & Workforce Challenges



- Predicted workforce shortages
  - 30% increase in medical school enrollment
  - 65% of all dentists are 45 years or older
  - Number of dentists graduating is less than those retiring or dying
- Demographic profile of entering medical and dental school students relatively unchanged in last 10 years.

# What challenges do we encounter in altering the trends?



- K-12 public education system disparities
- Institutions use the same traditional outreach methods and yield the same results
- Students lack of awareness about program and career opportunities (particularly in dentistry)

# Research Findings: Excelencia in Education



- Latinos in the healthcare workforce are more likely to be in lower paying support occupations, such as home health aides or nursing aides, rather than higher paying practitioner and technical occupations as physicians surgeons or dentists.
- In 2009-10, 70% of Latinos graduating in health fields and related programs earned certificates or associate degrees.

# Research Findings: Excelencia in Education



- At the undergraduate level, the top 25 institutions at each academic level conferring certificates or degrees to Latinos in 2009-10 were located in only six states---Texas, Florida, California, Arizona, Illinois, New Mexico, and Puerto Rico



# Research Findings: Excelencia in Education



“One-third of the projected fastest growing occupations are related to health care, and Latinos are projected to account for three quarters of the growth in America’s workforce by 2020.”

Sarita Brown



# Despite arduous efforts,

the diversity of our medical and dental school students, faculty, and physician and dental workforce has changed at a slow pace, and in some cases – there is almost no change.

- socioeconomic diversity
- gender and advancement in academia
- race and ethnicity

# Diversity in Dental & Medical Education



## Dental Schools

- Enrollment of African American, American Indian & Alaska Native, and Hispanic/Latino students has decreased slightly since 2007 from 13.2% in 2007 to 12.9% in 2011.
- Among these historically under represented groups, Hispanic/Latino student enrollment demonstrated the only increase from 6.8% to 7.6%.

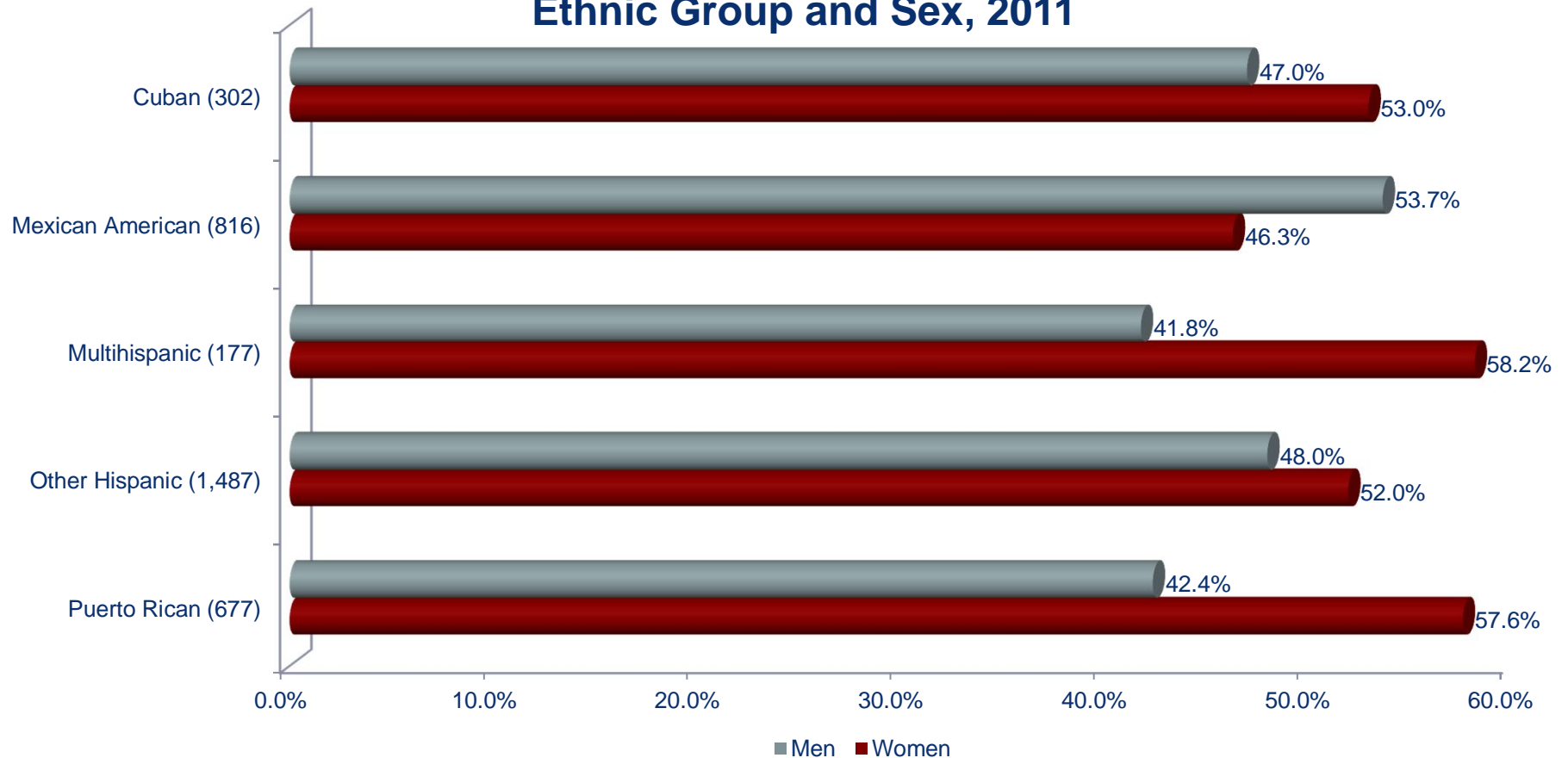
## MD Granting Institutions

- Since 2007, the enrollment of African American, American Indian & Alaska Native, and Hispanic/Latino students has not changed significantly – 14% in 2007 to 14.9% in 2011.
- Among these historically under represented groups, Hispanic/Latino student enrollment demonstrates the most significant growth at 8.5% in 2011.

# Applicants to MD Granting Institutions, 2011 Snapshot



## U.S. Medical School Hispanic or Latino Applicants by Ethnic Group and Sex, 2011

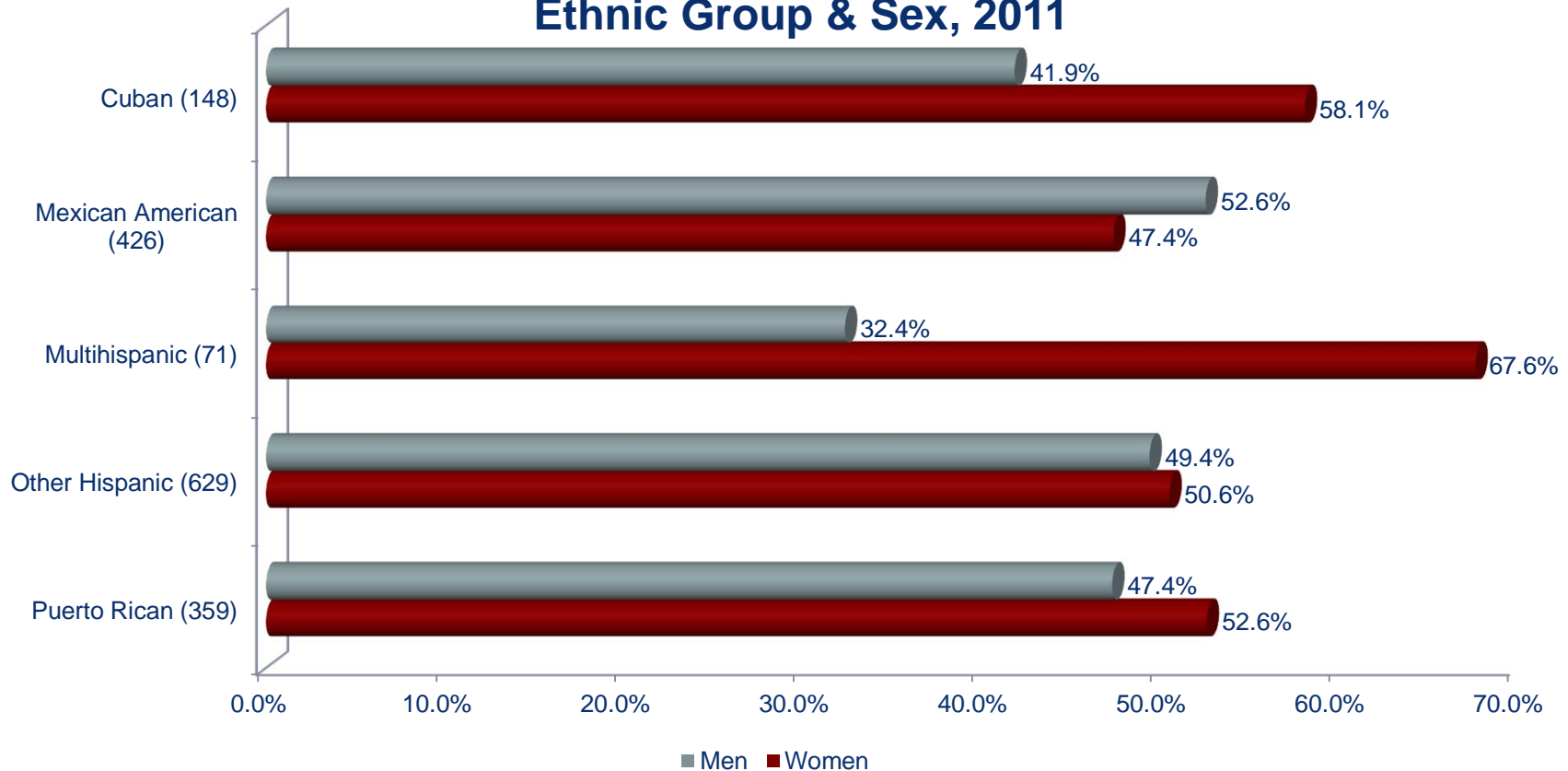


Source: AAMC Data Warehouse: Applicant Matriculant file, as of 5/29/2012.

# Latino Matriculants at MD Institutions, 2011 Snapshot



**U.S. Medical School Hispanic or Latino Matriculants by Ethnic Group & Sex, 2011**



Source: AAMC Data Warehouse: Applicant Matriculant file, as of 5/29/2012.

# ADEA: National & Local Resources



- SMDEP
- Godental.org
- ADEA Workshop and Recruitment Fair
- Explorehealthcareers.org
- ADEA AADSAS
- Publications
  - ADEA Official Guide to Dental Schools
  - ADEA OMSUSDS

# AAMC: National & Local Resources



- ❑ AAMC Student Resources  
[www.aamc.org/students](http://www.aamc.org/students)
- ❑ Medical Career Fair and Events Calendar  
<http://www.aamc.org/calendar/careerfairs/start.htm>
- ❑ Medical Minority Applicant Registry (Med-MAR)
- ❑ Financial Information, Resources, Services, and Tools [www.aamc.org/first](http://www.aamc.org/first)
- ❑ Diversity Affairs Officers
- ❑ Publications: MSAR & MCAT Guide
- ❑ [Aspiringdocs.org](http://Aspiringdocs.org)



# What is SMDEP?

- National academic program to increase diversity in medicine and dentistry funded by the Robert Wood Johnson Foundation
- Successor to MMEP and SMEP
- 6 week summer academic enrichment program for premedical and pre dental students from disadvantaged and low socioeconomic backgrounds



# SMDEP



- 960 scholars (80/20) per year at 12 sites across the U.S.
- at **no cost – FREE** to the student and they also receive a stipend





# Program Components

- Academic enrichment in the basic sciences and math (Organic Chemistry, Physics, Biology, Pre-calculus)
- Career Development Activities
- Learning & Study Skills Workshops
- Exposure to Clinical Settings
- Workshops in Financial Planning and Health Policy





# 12 Funded Institutions

- Case Western Reserve University
- Columbia University
- University of California, LA
- Duke University
- Howard University
- University of Texas at Houston
- New Jersey Medical and Dental Schools
- University of Louisville
- University of Nebraska
- University of Virginia
- University of Washington
- Yale University



# Outreach & Recruitment

- National Partnership Building with professional and student organizations
- Working with program sites at local and regional level
- Active online, social media presence
- Alumni – Ambassador Program

# Who are the SMDEP scholars (2006 -2011)?



Race/Ethnicity	Overall %	Pre-Dental %	Pre-Medical %
African American/Black	41%	30%	43%
American Indian/Alaska Native	.5%	.5%	.5%
Asian	15%	21%	13%
Hispanic	18%	17%	19%
White	10%	17%	9%

# Who are the SMDEP scholars (2006 -2011)?



- Females represent the majority of participants; 70% pre dental; 55% pre medical
- Percent self-identified as disadvantaged ranged from 35% (2006) – 45% (2011); Typically under reported
- Top 10 application yield states: TX, CA, NY, FL, NJ, VA, WA, GA, KY, MD



# Program Outcomes

Since 1989, 20,390 students have participated in the summer program.

Of the MMEP and SMEP cohort (1989-2005; n=14,659)

- 64.7% applied to MD granting schools;
- Of the medical school applicants, 65.8% (n=6244) were accepted and 98.5% matriculated in MD granting institutions.
- 5,044 graduates from MD granting institutions.



# Program Outcomes: SMDEP

## Scholars interested in dentistry (2006-2010)

- 453 have applied to dental school,
- 309 were accepted (68.2%),
- 309 matriculated (100%) in 53 dental schools.

## Scholars interested in medicine

- For MD granting institutions, 1,233 SMDEP scholars have applied,
- 64.6% (n=796) were accepted, and
- 96.9% matriculated.



# Anecdotal Data



- ❖ “I credit the program with not only consolidating my desire to pursue dentistry, but also serving as a critical springboard I needed to push myself academically.”
- ❖ “You don’t know what you can do until you’re exposed to the possibility”



# Program Outcomes

Tracking data also show that SMDEP scholars have pursued

- ✓ Doctor of Osteopathic medical degrees;
- ✓ Nursing;
- ✓ Advanced degrees in Public Health;
- ✓ Biomedical Sciences;
- ✓ Psychology; and
- ✓ Other professions, business, law, and education.

# Preparanos...



- What are strategies to improve outreach to Hispanic/Latino students?
- What potential partnerships should be considered?



# QUESTIONS ???????

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