

UPDATE



**University of the
Virgin Islands
School of Medicine**

University of the Virgin Islands

www.uvi.edu



Vision

The **vision** of the University of the Virgin Islands School of Medicine (UVISM) is to improve the health care of the people of the Territory and wider Caribbean community and to address pressing national and international health issues in support of the global community.

Mission

The **mission** of UVISM is to educate students from the diverse communities of the U.S. Virgin Islands, the wider Caribbean and the Continental US as physicians dedicated to the health and well-being of their communities. These physicians will be prepared through innovative pedagogy that results in physicians who are life-long learners, solution finders, team players and leaders of the 21st Century.

University of the Virgin Islands

Medical School Classroom Building
St. Thomas Campus



Medical Education Building St Thomas

28,947 GSF





East View



Simulation Center St. Croix

Square Footage 19,401 GSF



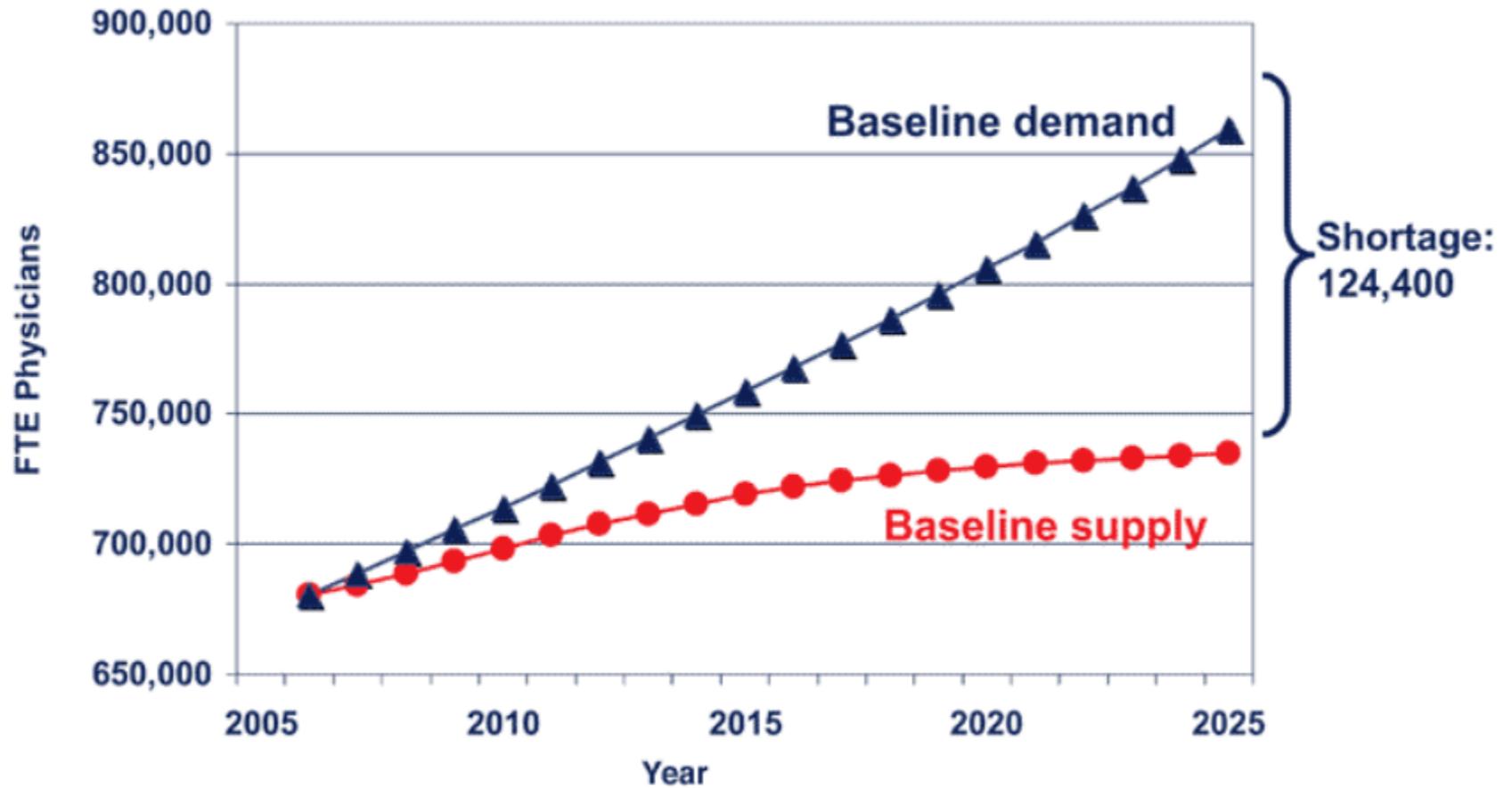
Entry View



UVI School of Medicine: Why?

- **To Improve the healthcare of the people of the USVI**
 - Improve Schneider and Juan Luis Hospitals
 - Will become teaching hospitals
 - Facilitate recruitment of physicians
 - Medical school brings new expertise in healthcare policy & management
 - Simulation center: emphasize on patient safety and quality
 - Research: public health & Infectious disease
- **Train next generation of physicians for the USVI**
 - USA: growing shortage of physicians
- **Economic impact: \$60m / year**
- **University of the Virgin Islands: Grow biomedical sciences**
 - Train allied health professionals

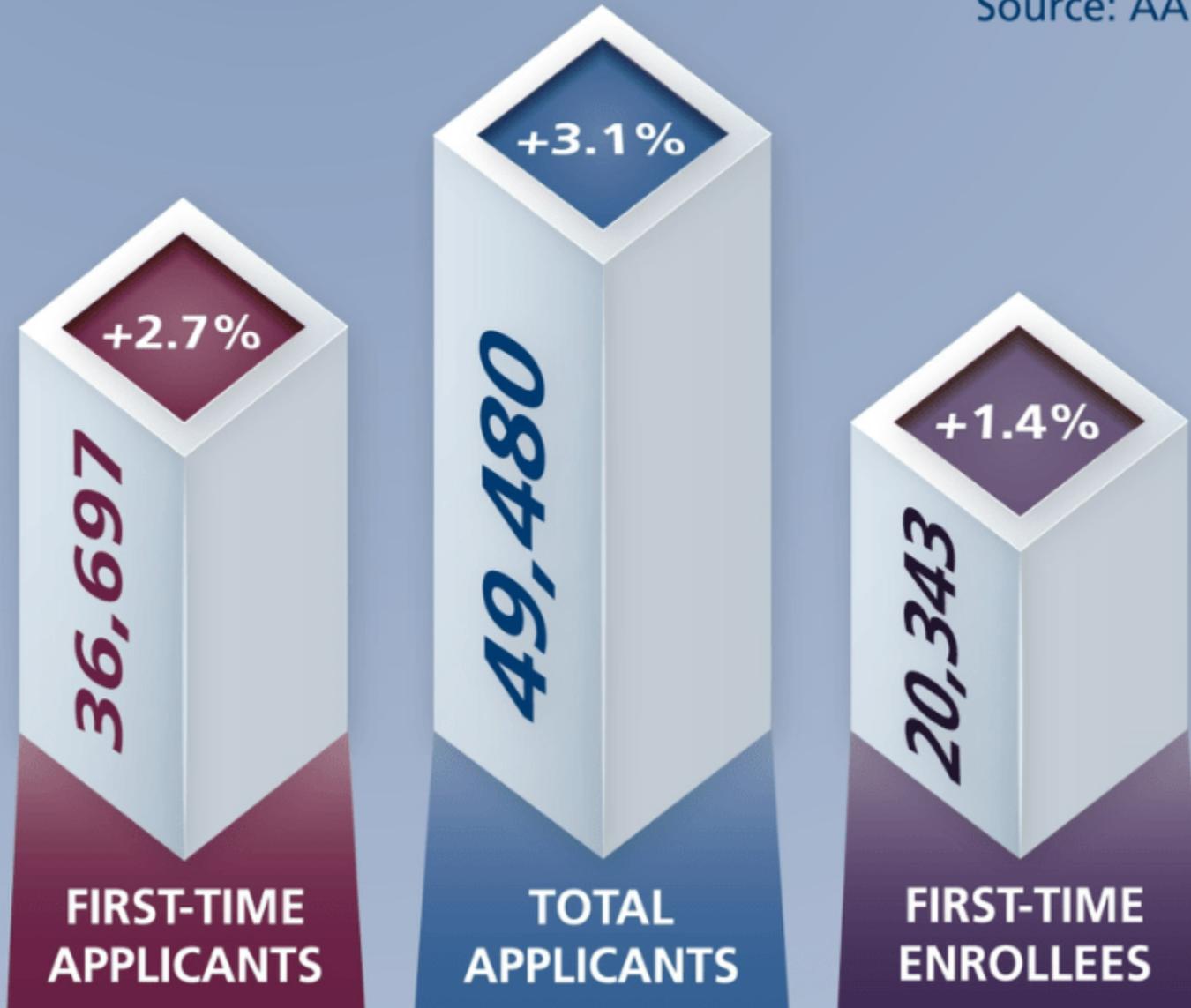
Figure 1. Baseline scenario projections of FTE physicians.



FTE = Full-time equivalent.

First-Time Applicants, Total Applicants, and First-Time Enrollees to U.S. Medical Schools, 2014

Source: AAMC DSDEV 10/21/14

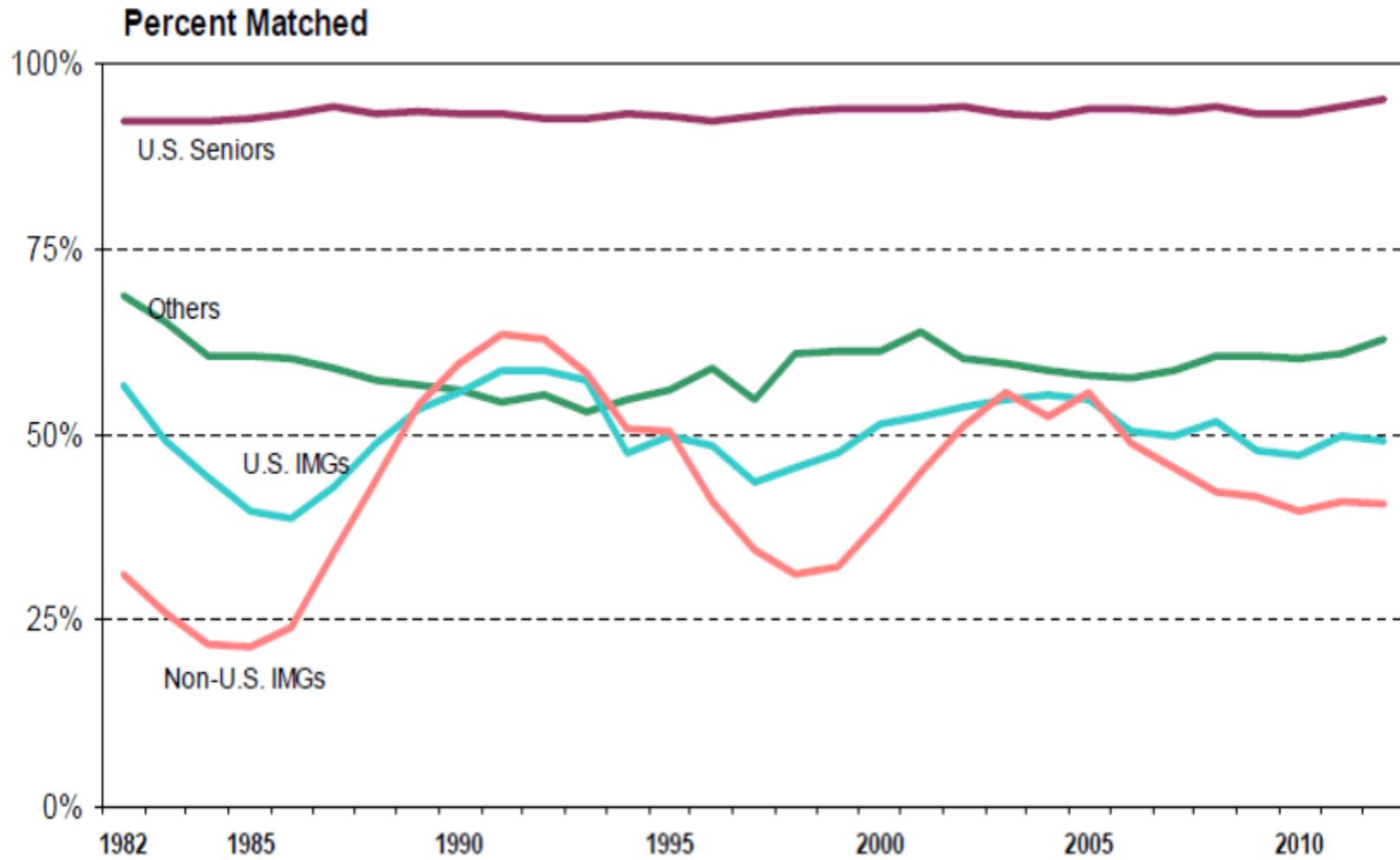


BACKGROUND

- Only 3 / 106 HBCUs have medical schools.
- The first new HBCU medical school in over 38 years.
- 2015: 6% of medical school enrollees African-American
- 39 Caribbean *for profit medical schools* **NOT** LCME accredited.
 - Graduates classified as *foreign medical graduates*.
 - <50% enter residency programs in USA

Historically Black College & University

Figure 4 PGY-1 Match Rates by Applicant Type, 1982 - 2012



Liaison Committee Medical Education (LCME) Timetable

- August 1- submission
- November 2016 – Site visit?
- February 2017 preliminary accreditation
- August 2017 – 1st class 25 students
- August 2018 – 2nd class 50 students
- Full Accreditation -2021

Why Liaison Committee on Medical Education Accredited Medical School?

- Quality of the education
- Ability to enter residency program
- Ability to practice in USA

UVI School of Medicine Curriculum Map

July	August	September	October	November	December	January	February	March	April	May	June				
M₁	BLS Training	Orientatio n	Anatomy and Physiology (16 weeks)				Cellular Function & Medical Genetics (8 weeks)		Psychosocial Issues in Healthcare (11 weeks)		Health and Disease (8 weeks)		Hematology/Oncology (4 weeks)		
															Practice of Medicine including Community of Practice I
Emergency Medical Services, Autopsies – Medical Examiner, MPH-course work (elective), Institute for Healthcare Improvement Certification															
M₂	Cardiovascular and Pulmonary Systems (6 weeks)		Endocrine and Reproductive Systems (6 weeks)		Gastrointestinal and Renal Systems (6 weeks)		Skin and Musculoskeletal Systems (4 weeks)		Brain and Behavior (7 weeks)		USMLE STEP 1		M₃	Adult Medicine Primary care OB/GYN, Peds Psychiatry/Neur. Surgery	
	Practice of Medicine including Community of Practice II														
Emergency Medical Services, Autopsies – Medical Examiner, MPH-course work (elective), Institute for Healthcare Improvement Certification															
Adult Medicine (8 weeks) Primary care (Outpatient: Family Medicine, Internal Medicine, Pediatrics and Women's Health/Gynecology) (8 weeks) Maternal/Newborn and Pediatric Inpatient Care (8 weeks) Surgical Care (General Surgery, GYN surgery & surgical subspecialties) (10 weeks) Psychiatry & Neurology (10 weeks) Review Course (4 weeks)										Capstone		M₄		USMLE STEP 2 CK/CS	
Emergency Medicine (4 weeks) USF Affiliate (8 weeks including 1 sub-internship) Electives (26 weeks)										Capstone		Graduation		Graduates begin Residency Training as	
Longitudinal Curricular Themes:		Culture, Health & Society		Ethics & Medical Humanities		Gender Based Medicine		Geriatrics & Principles of Palliative Care		Medical Informatics		Medical Nutrition			

INNOVATION

Number Students	Total 200 (50/ year)
Departments: Medical Science Clinical	1 3 (each STT & STX): Chairs 1ary and specialty care, chief ambulatory medicine
No lectures	“flipped” classroom – Just in Time Teaching (JiTT)
Anatomy	3D simulation + autopsies with Medical Examiner
Introduction to clinical medicine.	EMS, homeless clinic, geriatrics
Full-time faculty General faculty Total	102 (32 basic science) 32 134

How We Teach

Physicians will be prepared for the challenges of the 21st century: doctors who are life-long learners, solution finders, team players and educators.



The Flipped Classroom
in 60 Seconds

UVISOM

Medical School Clinical Rotations	St Thomas	St Croix	USF Tampa General Tampa VA
3 rd Year	Schneider Regional East End Clinic	Juan Luis Hospital Frederiksted Clinic	8-10 weeks
4 th Year	Electives		8 weeks

Classroom Building St Thomas Years 1 & 2

Simulation Center St Croix Years 1-4

Private offices

Public health clinics

Autopsies with Medical Examiner

Service learning: EMS , Homeless clinic, elderly housing facility,

UVISOM Leadership Team

Medical Science Chair	Professor Donna Nemeth PhD
Associate Deans: Clinical Affairs Student Affairs Faculty & Academic Affairs	Dr. Ruth Watson MD Dr. Lori Thomson PhD Dr. G. Moolenaar PhD
Clinical Chairs: Primary Care Specialty Medicine Ambulatory Care	M. Dizon MD STX, J.Wilson MD STT D.Galiber MD STX, G. Comissiong MD STT S.Karel MD STX, D.Frances MD STT

Partners

- **University Central Florida** (established 2006)
 - Curriculum & assessment
 - UVI faculty development
 - Safety net in the event of exigency
- **University of South Florida**
 - 3rd & 4th year clinical rotations at USF teaching hospital
 - Master in Public Health – on line
 - Development and management of simulation center

Medical School Simulation Center

To be Initially Managed by USF - CAMLS Tampa FL

- Professional education
 - Surgeons, cardiologists etc.
 - First responders: EMS, coast guards, military etc.
 - Nurses & allied healthcare professionals
 - Medical students

21 The USF Health Center for Advanced
Medical Learning and Simulation in
Tampa, Florida



First Responder Training

US Military, National Guard



Estimated Annual Economic Impact

	St Thomas	St Croix	Total
Medical school classrooms	\$24-30m 64	\$1m 5-10	\$31m 69-74
Medical school simulation center	0	50	50
Fully operational Classrooms + simulation center	\$24-30m	\$30m	\$54-60m

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Benjamin Sachs MB.BS

Background: clinical medicine (Obstetrics & Gynecology, Maternal – Fetal Medicine), public health-health policy and finance -business administration with extensive executive experience in physician and hospital management

- Dean University Virgin Islands School of Medicine
- Senior Vice President of Tulane University and Dean, School of Medicine
James R. Doty Distinguished Professor and Chair (2007- 2013)
- Harvard Medical School & Harvard School Public Health (1978-2007)
Chair: Obstetrics & Gynecology (1989-2007)
 - The Rosenfield Professor (1997-2007)
 - President: Beth Israel-Deaconess Physician Organization (1999-2007)
1600 physician organization
 - Massachusetts General Hospital – HMS (2013-)

Born London UK, graduate of Imperial College (St Mary's) Medical School

University Central Florida

- New medical school – 17 miles south Orlando Florida
- Brainchild Governor Jed Bush
 - Investment: \$30m / year 3 years

Size of investment proportional to economic benefit

Economic Impact

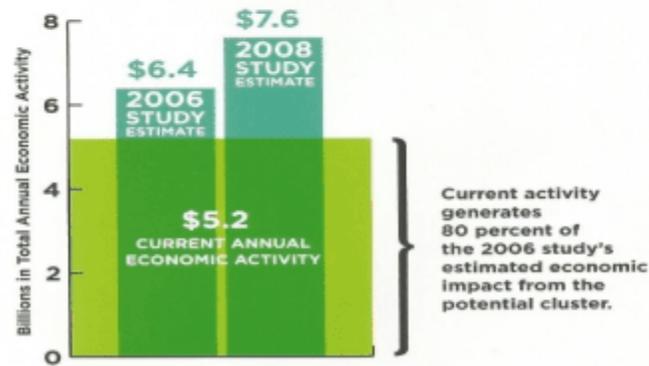
The College of Medicine, combined with a life sciences cluster, by 2017, could create:

30,000 jobs

\$459.9 million in annual tax revenue

\$2.8 billion in annual wages

\$7.6 billion in annual economic activity



Source: Arduin, Laffer & Moore Econometrics

The UCF College of Medicine's Burnett School of Biomedical Sciences is where the best and brightest graduate students can create tomorrow's cures.