



Board of Governors Presentation



FIU Vision

- *Expand the opportunity for local residents to receive a medical education at a public university and subsequently establish clinical practice in the State of Florida,....*
- *reduce health care disparities, and...*
- *improve access for the medically underserved to high quality medical care....*
- *in a way that has a significant economic impact for the State of Florida.*



Objective of the Presentation: Convey how FIU is going to make this vision a reality

AGENDA

- **What are the State and local needs?**
- **What is the State's capacity to meet the need?**
- **How can FIU contribute to the solution?**
- **Is there support for FIU's solution?**
- **What is the investment required and return?**



State Needs

The Problem: Florida has a shortage of physicians

Recent studies document a current and growing shortage of physicians in the U.S., Florida and acutely in South Florida

	Physicians per 100,000 <u>Population</u> ¹	
Highest Per Capita Income States	284	
National Average	221	
Florida (23 rd per capita income)	201	
Lowest Per Capita Income States	174	

¹Physicians per 100,000 age weighted population. MGT of America Inc., "Assessment of the Florida Medical Education System", February 1999



State Needs

The annual demand for physicians in Florida will grow from 2,900 in 2004 to 4,200 in 2021¹



The Challenge:

Florida is 37th nationally in medical school enrollment per capita²,
currently producing 1/6th of the State's need (approx. **500** graduates)

¹ MGT of America Inc., "Assessment of the Florida Medical Education System", December 2004

² CEPRI: Medical education Needs Analysis. November 2004.



Local Needs

The Problem: South Florida's need is critical

- **High Underserved:** In South Florida, 2.3 million of 5.1 million are medically underserved¹, 60% or, 1.4 million, live in Dade County

Defined by NIH as:

- Primary care physicians per 1000
- Infant mortality rate
- Percent of the population with incomes below the poverty line
- Percent of population over 65 years of age

- **High Disparities:** The underserved are predominantly minorities
- **Higher Demand:** The large elderly population found in South Florida requires more medical services

¹ Giovanni H. Graziosi, "Distribution of Medically Underserved Areas and Populations MUA/MUP in South Florida, US". Florida International University GIS-RS Center, August 2005.



Local Needs

The Problem: South Florida's need is critical

- **Aging Physician Workforce:** 11% of South Florida physicians are over 70 years of age and 39% are 55 or older¹
- **High Growth:** 3 of the 4 counties in South Florida are among the top 12 fastest growing large counties in the United States²

¹ Elizabeth Greb, unpublished analyses of South Florida doctors' license data. May 2004; May 2005.

² Designation based on reports of the fastest growing U.S counties with population over 1 million. <http://www.miami.com/herald/news/census/2000/docs./100759.htm>. Accessed on January 19, 2002



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The State's Existing Capacity

Florida is 37th nationally in medical school enrollment per capita¹

- **Current Production** 500 medical school graduates per year
- **Limited Seats** Qualified students are not getting accepted into allopathic Florida medical schools
 - Of the **1,557** Florida resident applicants to allopathic U.S. medical schools only **418** matriculated in Florida²

¹ *CEPRI: Medical education Needs Analysis. November 2004.*

² AAMC, *Applicants and Matriculants by State of Legal Residence, 2004*



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FIU's contribution to meet State needs

FLORIDA STUDENTS



**Medical
School**



**Residencies &
Fellowships**



**Clinical
Practice**

Creating a cost effective and efficient way
to retain board certified physicians
is to create a medical pipeline
from high school to college
to residencies
to clinical practice



Uniquely Qualified to Produce Physicians

FLORIDA STUDENTS



**Medical
School**

Expand the Pipeline

Expand feeder programs at the high school and undergraduate level to prepare a more diverse and qualified student pool for health care professions

Increase Medical School Graduates

480 total seats with 120 graduates per year per new medical school



What Florida needs is not just more but different physicians

FLORIDA STUDENTS



**Medical
School**

Increase Diversity

FIU anticipates its medical student body will reflect South Florida and continue to serve minority students

- 2004-05 undergraduate student body: **74%** underrepresented minorities (Hispanics 60%, African Americans 14%)
- **18.6%** of medical students in Florida's medical schools are underrepresented minorities¹
- Underrepresented minority physicians are more likely to serve minority populations according to the AMA²

¹ African American, Hispanic and Native American medical students out of total medical students, BOG State University System of Florida, 2005 Fall Enrollment

² American Medical Association, Council on Medical Education Report 8-A-05



Retaining Graduates from Residencies

FLORIDA STUDENTS



**Medical
School**



**Residencies &
Fellowships**

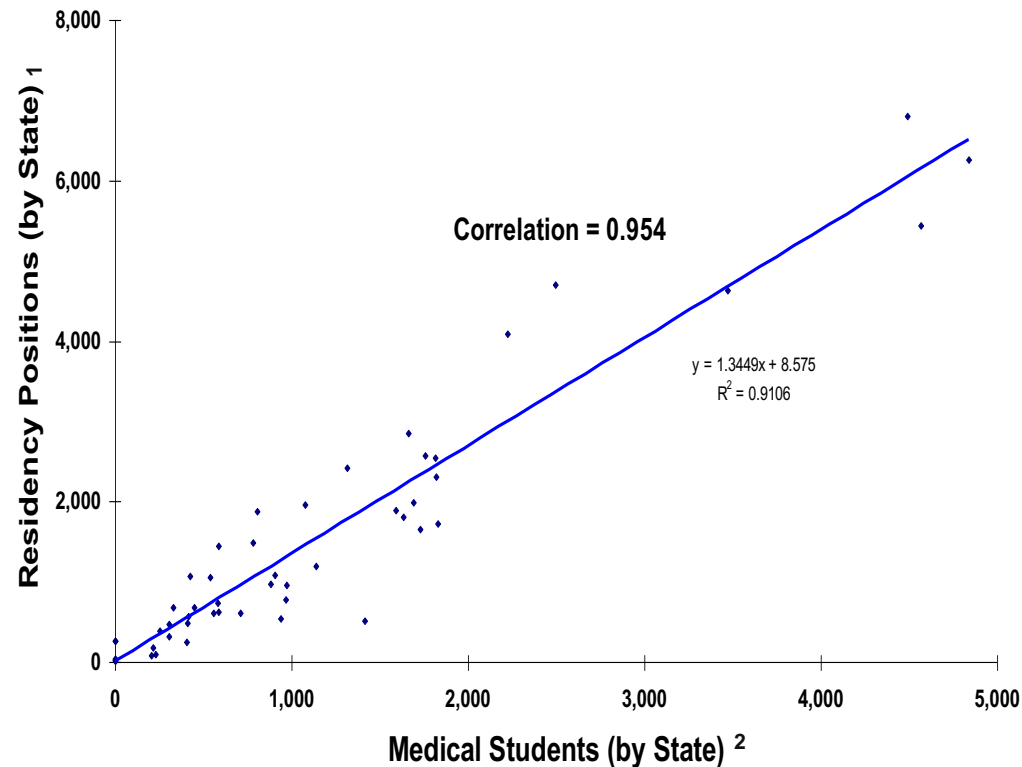
- Currently, **75%** of the 267 physicians completing their residencies and fellowships at Miami Children's and Mount Sinai leave the State¹
- Jackson Memorial Hospital report that **40%** leave while Shands Medical states that **25-33%** depart¹
- Mt. Sinai and Miami Children's are committed to allocating existing residency positions to FIU graduates
- FIU will ensure that all graduates who so desire will be able to obtain residencies in South Florida

¹ Information provided directly by hospitals



Medical School/Residency Correlation

There is a direct correlation of .95 between the number of medical school seats and the number of residencies per State



¹ Accreditation Council for Graduate Medical Education (ACGME) Resident Physician Population by Specialty and State – Academic Year 2003-04

² American Medical Colleges (AAMC) Medical Student Enrollment by State 2004



Adding Residencies

FLORIDA STUDENTS



**Medical
School**



**Residencies &
Fellowships**

- FIU's affiliate hospitals are prepared to expand residencies and fellowships
- Within 10 years, there will be 250 FIU sponsored residency and fellowship positions (substitutes and new)



Proposed Medical School Builds on Health Related Strategy

- Historical commitment to health initiatives with proven success
 - Public Health, one of only two schools in the State
 - Physical Therapy
 - Occupational Therapy
 - Communication Science Disorders: Speech & Hearing Pathology
 - Health Information Management
 - Nursing
 - Nurse Anesthesia
 - Health Services Administration
 - Social Work
 - Psychology
 - Allied Health
 - Biomedical Sciences
 - Biomedical Engineering
- Premedical Education



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Strong Community Support

Health Care Sector

- Mt. Sinai, Miami Children's and Mercy Hospitals
- Local Medical Foundation

Private Philanthropy

- Individuals
- Foundations

Private Sector Organizations

- The Beacon Council
- Greater Miami Chamber of Commerce
- Latin Builders Association

Elected Officials

- Local Mayors
- State Legislators

Media

- Miami Herald
- Sun Sentinel

FIU Governance

- Board of Trustees, FIU
- Board of Directors, FIU Foundation

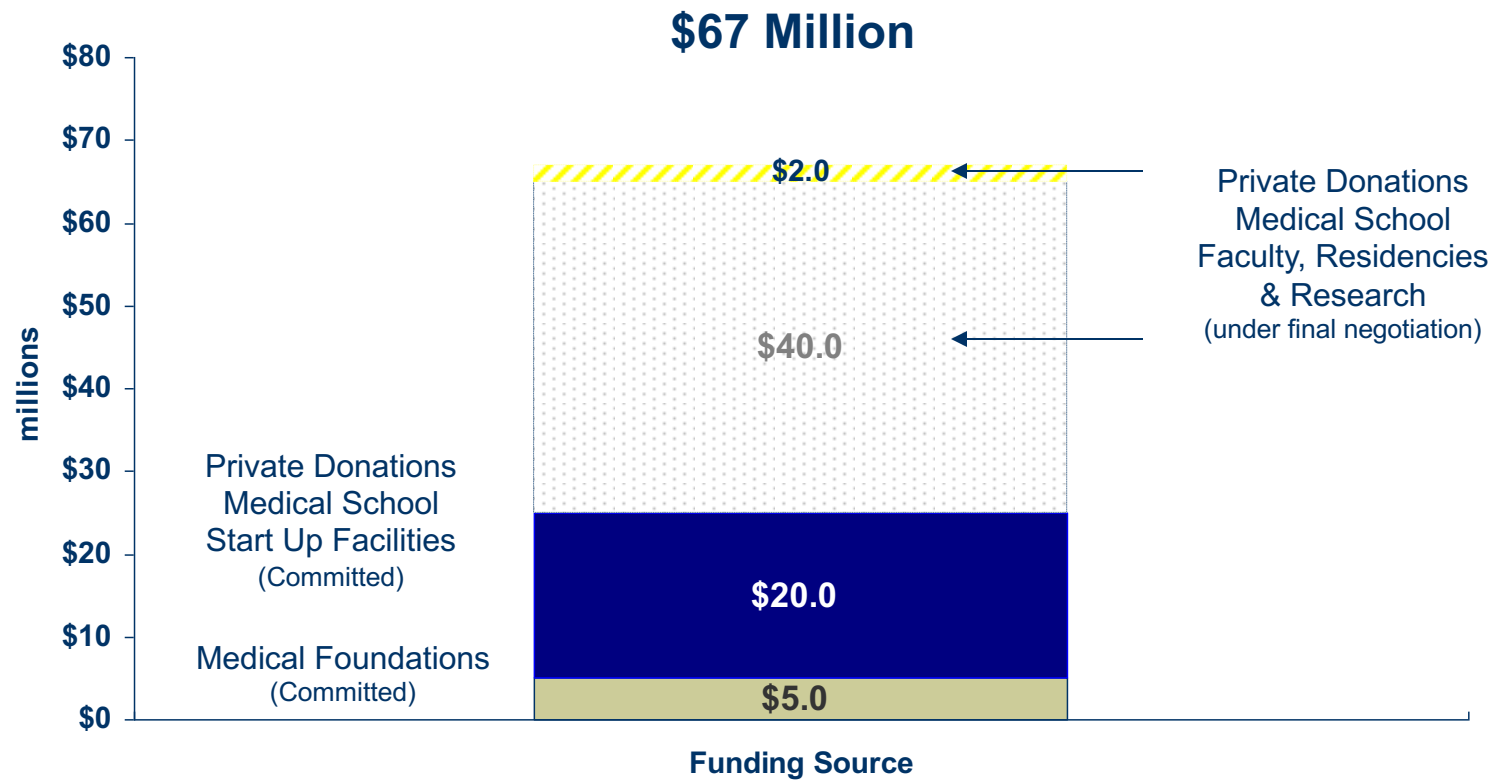
Individuals

- FIU Students and Alumni
- South Florida residents

**Demonstrate
d
Commitment**



Community Support – Demonstrated Philanthropy





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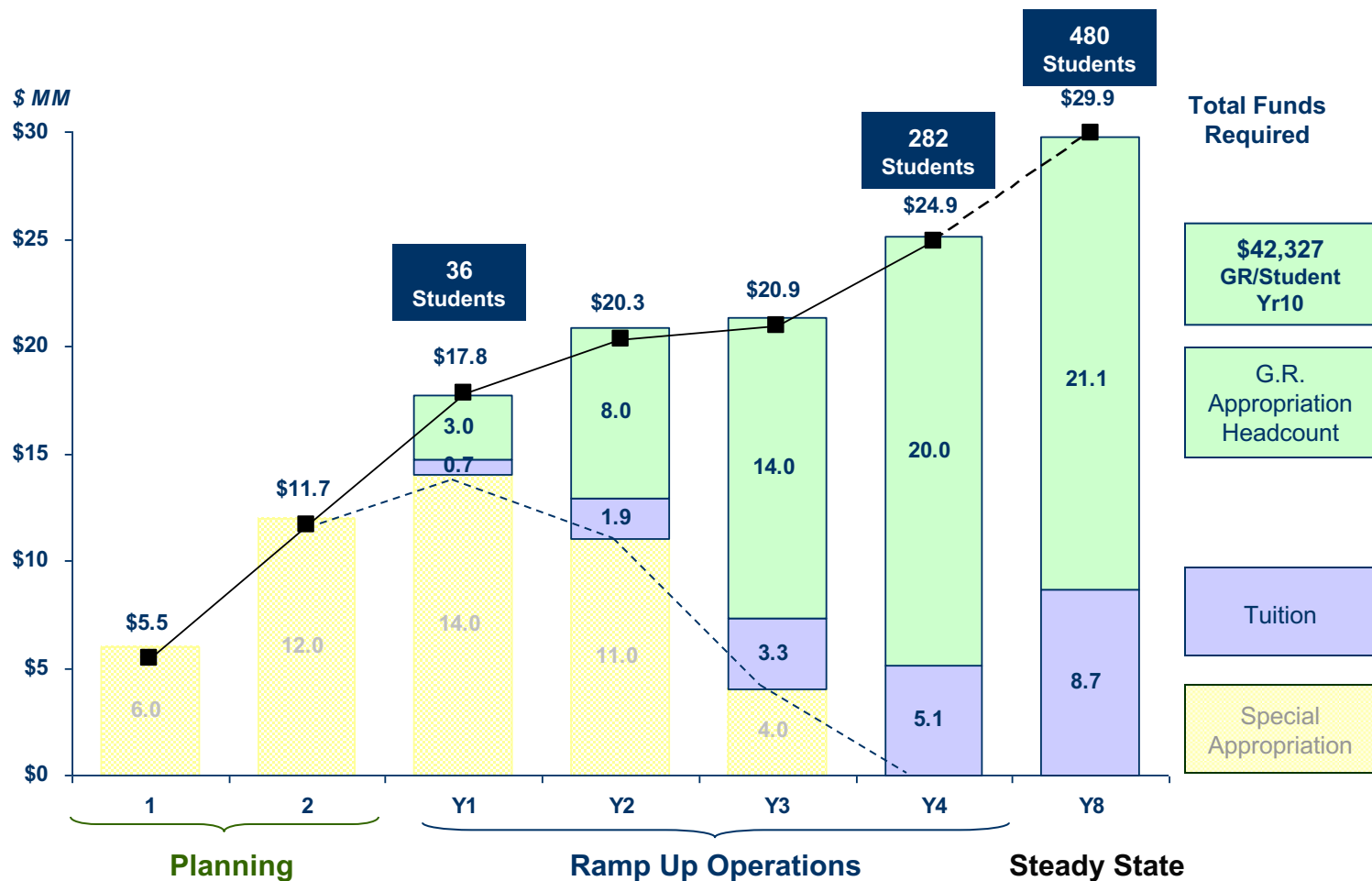


Budget Philosophy

- Reflects costs to create and operate the education of medical students
- Leverage existing University infrastructure, making a portion of the costs incremental from our current base
- No State funding for facilities required



Funding Streams





Economic Impact for South Florida

**Planning & Ramp Up
Phase**



**\$313 Million
over 6 years¹**

**Comparable Mature
Operations**



**\$784 Million
Yearly at Maturity¹
(\$22^M State and
Local Taxes)**

Impact Areas

Additional Jobs

Compensation to Workers

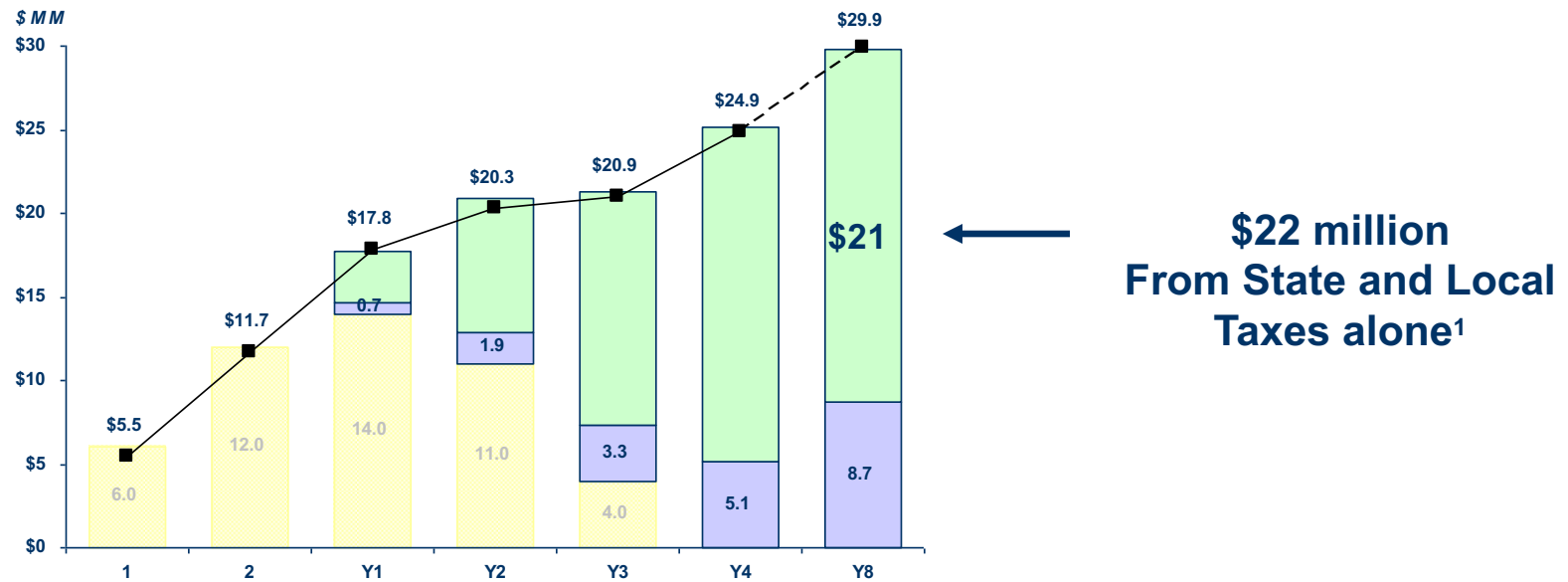
Gross Regional Product

Local Government Tax Revenue

¹ The Washington Economics Group, Inc. "The Economic Impact of the Proposed FIU School of Medicine", November 2004



State Funding Streams



¹ The Washington Economics Group, Inc. "The Economic Impact of the Proposed FIU School of Medicine", November 2004



Return on Investment

