



UNIVERSITY OF CENTRAL FLORIDA

Doctor of Dental Medicine Proposal

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Overview

- Vision
- Need and demand
- Proposed program curriculum and facilities
- Operating budget
- Financial model
- Community support
- Capability and benefits

Vision for the UCF Doctor of Dental Medicine Program

- UCF Health Sciences Campus at Lake Nona
- \$10 million donor pledge
- Market-rate tuition program
- No additional cost to the state



Lake Nona Green Field





UNIVERSITY OF CENTRAL FLORIDA

UCF Health Sciences Campus Is a Catalyst for the Medical City





Lake Nona Medical City

2011



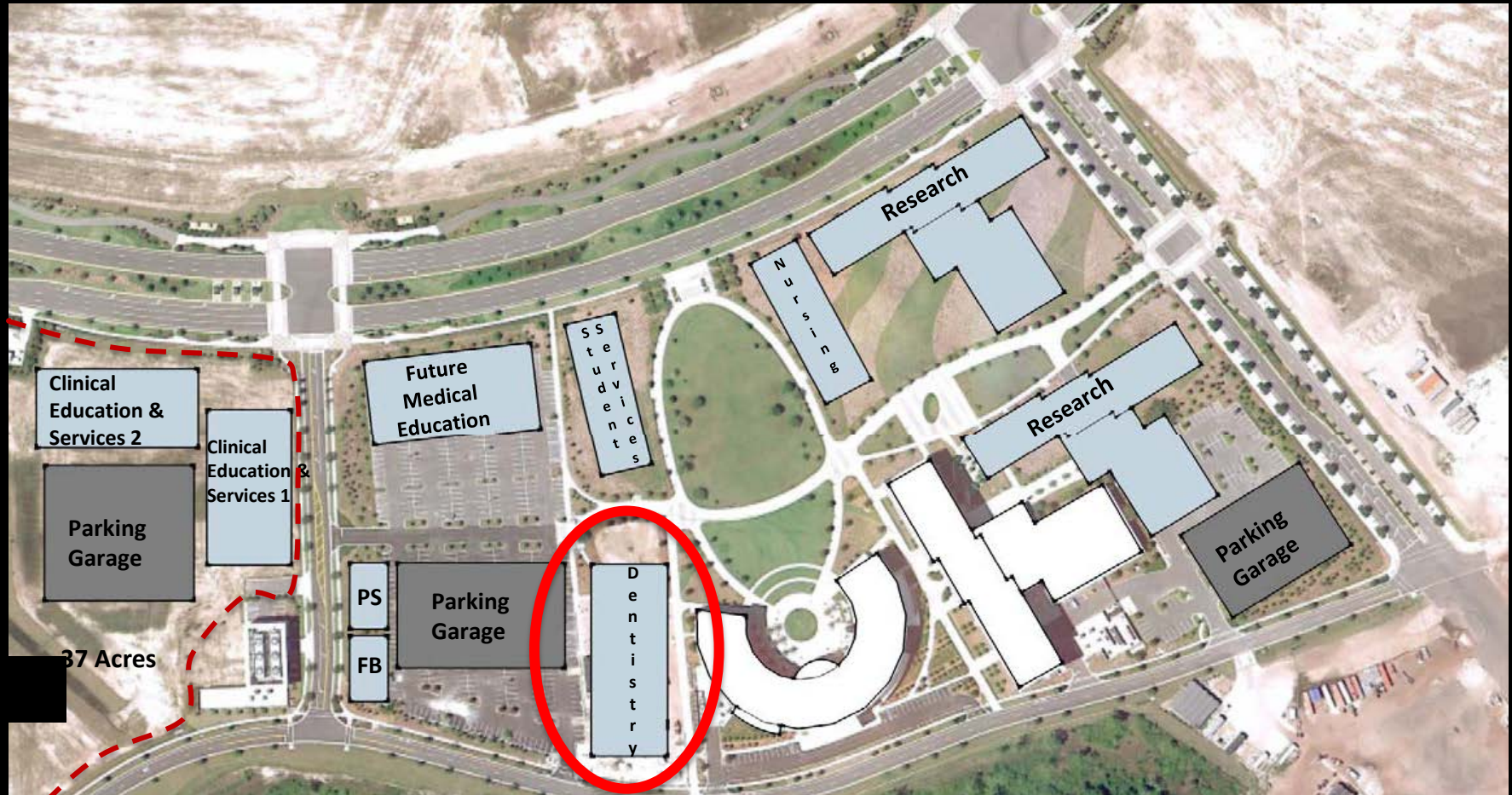
Effective Partnerships

Economic Impact at Year 2017

Annual Economic Impact	\$7.6 Billion
ROI per Dollar Invested	\$13.50
Number of Jobs	30,260
Annual Wages	\$2.8 Billion
Annual Tax Revenue	\$460 Million



Future UCF Health Sciences Campus Plan



Facilities

- New Dental Education Building adjacent to the College of Medicine Medical Education Building
 - 120,000 square feet
 - \$42.8 million
 - 200-chair primary dental care clinic
- Leveraged facilities in the Medical Education Building



Is There a Need for Dentists?

- 2008 FDOH *State of Florida's Oral Health*
 - “The number of dentists is decreasing as more dentists retire than graduate”
 - Growing population requires more dentists
- 2009-10 FDOH *Workforce Survey of Dentists*
 - 89% of dentists with active Florida licenses responded
 - Number of dentists being licensed offsets those retiring
- 2011 UCF Analysis
 - New dentist needs in Florida
 - 355 to 504 per year through 2050
 - UF and NOVA provide 150 per year (out of 180 graduates)

YES



Is there a Need for Dental Care in Central Florida?

- Fastest growing population in the state
- Significant underserved population without dental care
 - 224 dental health professional shortage areas in Florida; third highest in nation
 - 39 dental health professional shortage areas in Central Florida
 - “the demands for dental care are great and continue to grow”

[Leslie Smith, Chief Executive Officer/Chief Medical Officer, Central Florida Family Health Center]

YES

Are There Qualified Students?

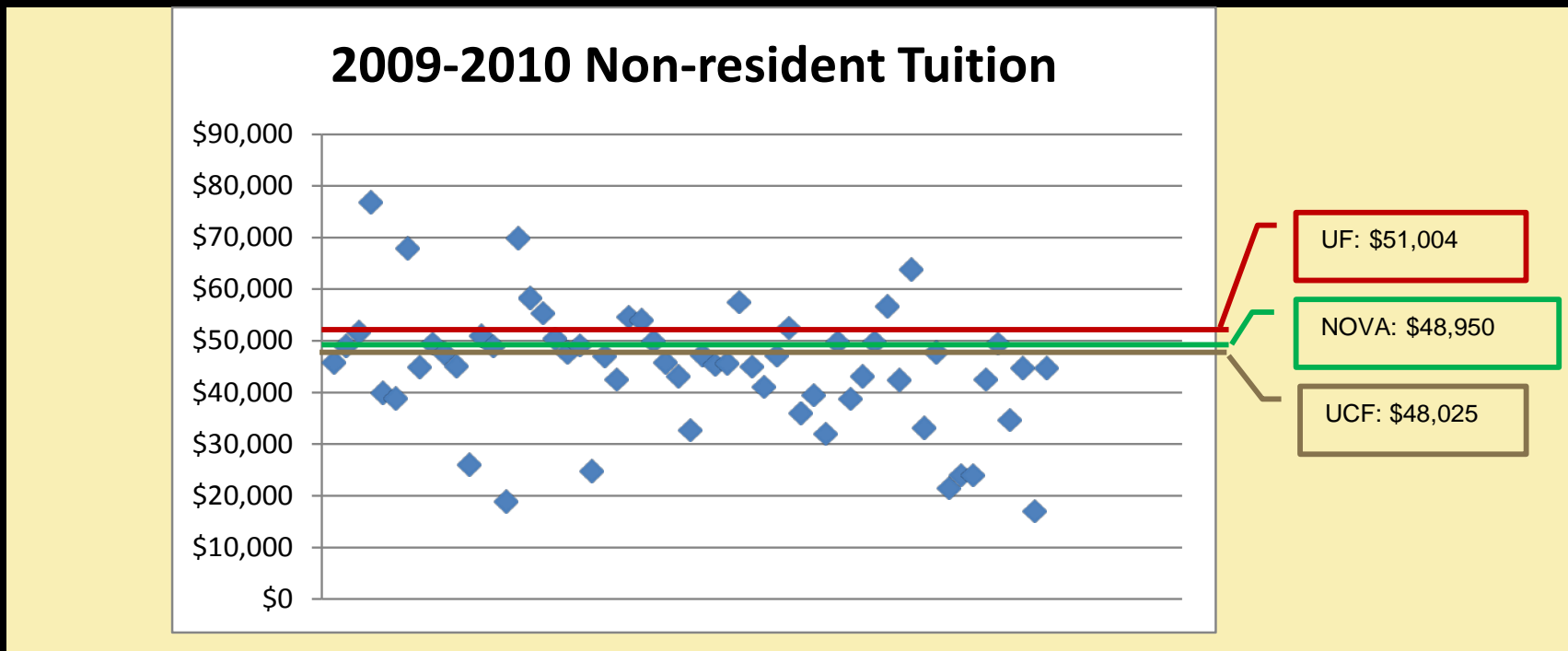
- 12,202 national applicants to dental schools in 2009
 - 5,089 accepted (41.7%)
- 612 Florida residents applied to dental schools in 2009
 - 233 accepted (38%)
 - 125 went to UF and NOVA and 118 went out-of-state
- UF and NOVA attract students with DAT and GPA above national average

Conclusion: A sufficient pool of qualified applicants is available for a UCF program



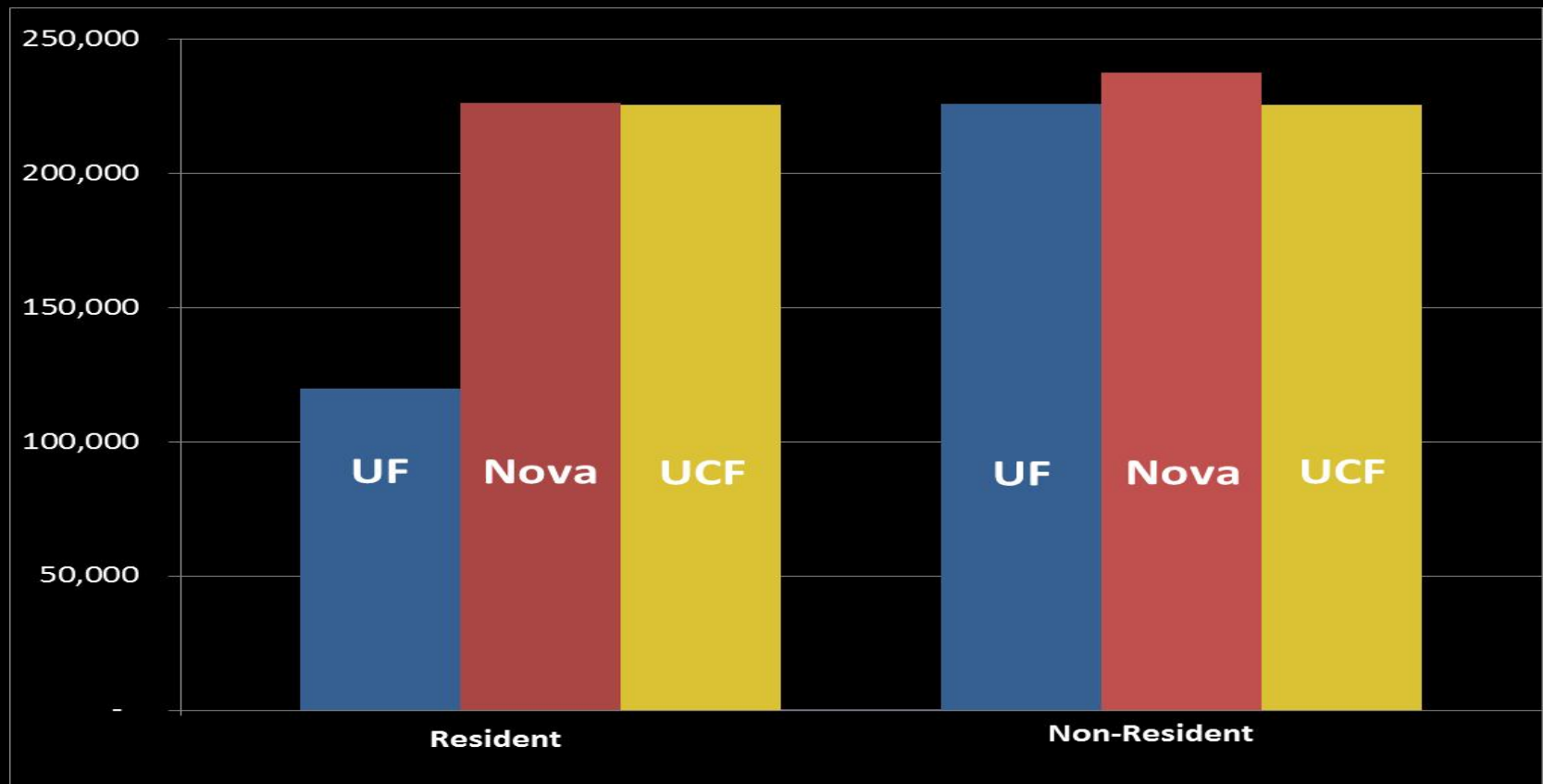
2009 Non-Resident Tuition All Dental Schools

- One-third of 2009 U.S. dental students' tuition > \$48,025
- 115 Florida residents pay average of \$46,475 in out-of-state tuition





Four-Year Total Cost Tuition and Fees Comparison Fiscal Year 2009-10 Data





Doctor of Dental Medicine Curriculum

- Four-year Doctor of Dental Medicine Degree
 - Clinically based
 - Independent, entry-level general practitioners
- Initial draft curriculum based on recommendations for new schools and consultations with existing deans
- Four primary themes
 - Biomedical foundations
 - Clinical foundations
 - Dental public health and professional practice
 - Primary dental care



D.M.D. Program Year 1

- **Biomedical Sciences:**
 - Biochemistry and Nutrition
 - Dental Microscopic Anatomy
 - Gross Head and Neck Anatomy
 - Physiology of Human Organ Systems
 - General Pathology
 - Microbiology and Immunology of Systemic and Oral Diseases
 - National Board Part 1 Review
- **Clinical Sciences:**
 - Dental Anatomy and Occlusion
 - Foundations of Restorative Dentistry 1
 - Patient Assessment 1
 - Periodontology
 - Clinical Fundamentals 1
- **Ethical and Professional Practice:**
 - Introduction to Oral Health and the Dental Profession
 - Ethical and Professional Practice 1
 - Dental Practice Readiness 1 (Practice Management)
 - Dental Public Health 1: Oral Health Promotion



D.M.D. Program Year 2

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- **Biomedical Sciences:**
 - Pharmacology for General Dentists
 - Pathology of the Head and Neck
 - Oral Pathology
 - **Ethical and Professional Practice:**
 - Ethical and Professional Practice 2
 - Evidence-Based Practice of Dentistry
 - Dental Practice Readiness 2
 - Dental Public Health 2-Biostatistics and Epidemiology
 - Community Oral Health SL Project
 - **Primary Dental Care:**
 - Clinical Medicine for General Dentists
 - Primary Dental Care Clinic
 - Practice Team Conference 1
 - **Clinical Sciences:**
 - Diagnosis and Treatment Planning
 - Fundamentals of Oral Imaging Technique and Interpretation
 - Oral and Maxillofacial Surgery (includes local anesthesia and nitrous oxide)
 - Foundations of Restorative Dentistry 2
 - Clinical Fundamentals 2
 - Behavioral Sciences
 - Pediatric Dentistry
 - Orthodontics
 - Endodontics
 - Periodontal Therapy
 - Advanced Patient Assessment



D.M.D. Program Year 3

- **Biomedical Sciences:**
 - Biomedical and Clinical Science Integration Seminar
 - Biomedical and Clinical Science Research Practicum
- **Ethical and Professional Practice:**
 - Ethical and Professional Practice 3
 - Dental Practice Readiness 3
 - Dental Public Health 3-Oral Health Care Systems
 - Special and Vulnerable Patient Populations 1
- **Primary Dental Care:**
 - Management of Medical Emergencies
 - Integrated Clinical Science Seminar
 - Urgent Care Rotation 1 (Dental Emergency Care)
 - Primary Dental Care Clinic (21 -24 hours per week all year)
 - Clinic Practice Team Conference (2 hours per week all year)



D.M.D. Program Year 4

- Clinical Sciences and Primary Dental Care:
 - Integrated Clinical Sciences Seminar 2, including modules on:
 - Pharmacotherapeutics
 - Advanced Imaging and Interpretation
 - Oral Oncology
 - Orofacial Pain
 - Hospital Dentistry Rotation
 - Pediatric Dentistry Rotation
 - Oral Surgery Rotation
 - Clinical Elective Rotation
 - Urgent Care Rotation
 - NBDE Part 2 Board Review
 - Primary Dental Care Clinic
 - Clinic Practice Team Conference
- Ethical and Professional Practice:
 - Ethical and Professional Practice 4
 - Dental Practice Readiness 4
 - Special and Vulnerable Patient Populations 2

Accreditation Timetable

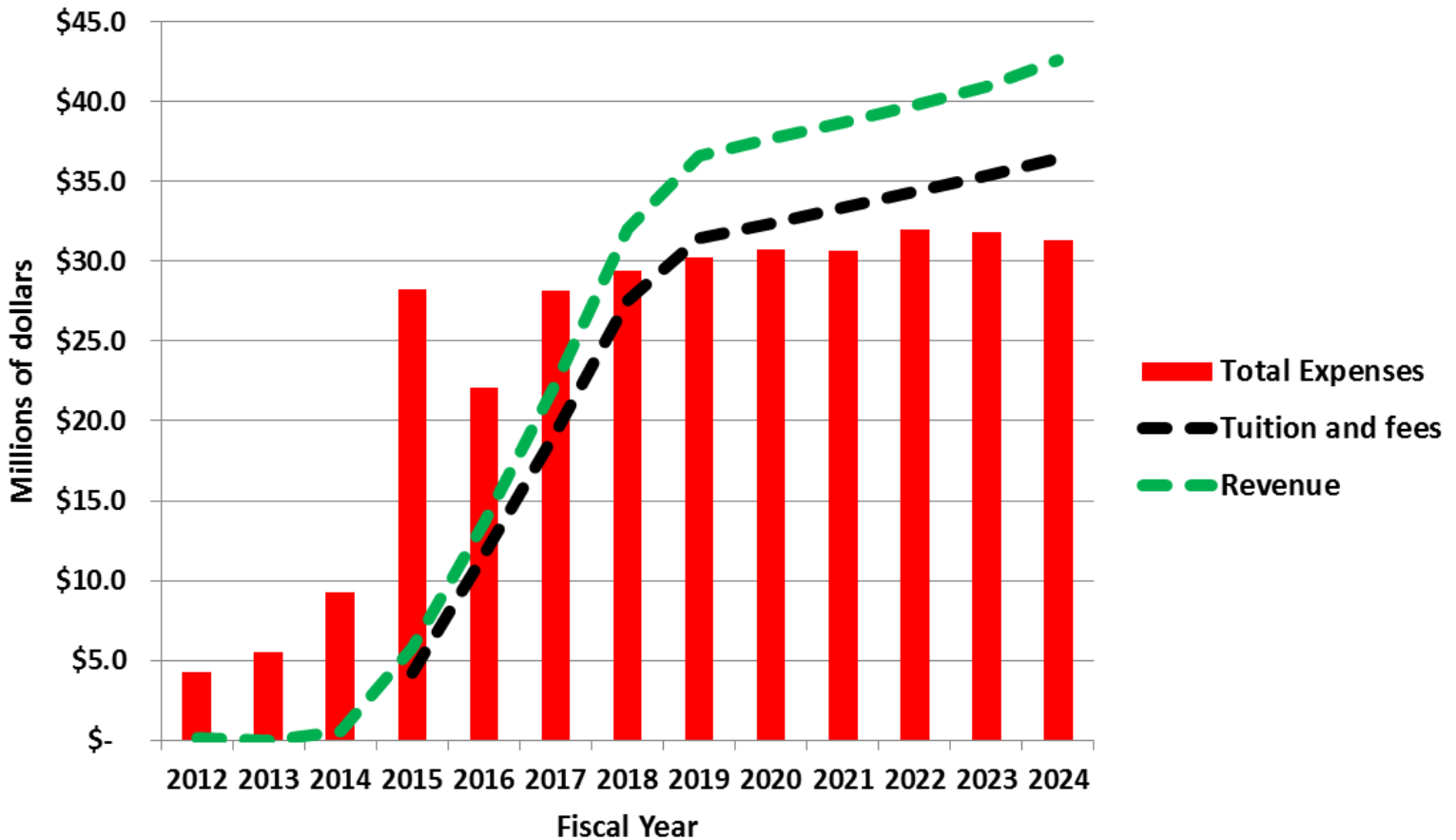
- Approval by Board of Governors – November 2011
- Dean and senior administrators hired – July 2012
- Commission on Dental Accreditation initial accreditation – July 2013
- Second stage of accreditation – Fall 2015
- Full accreditation – Fall 2017

Operating Budget Assumptions

- Market-rate tuition
- Operating lease of facility to support curriculum delivery and dental services
- Initial student enrollment of 60
- 57 full-time faculty members
- 54 full-time administration and support staff members

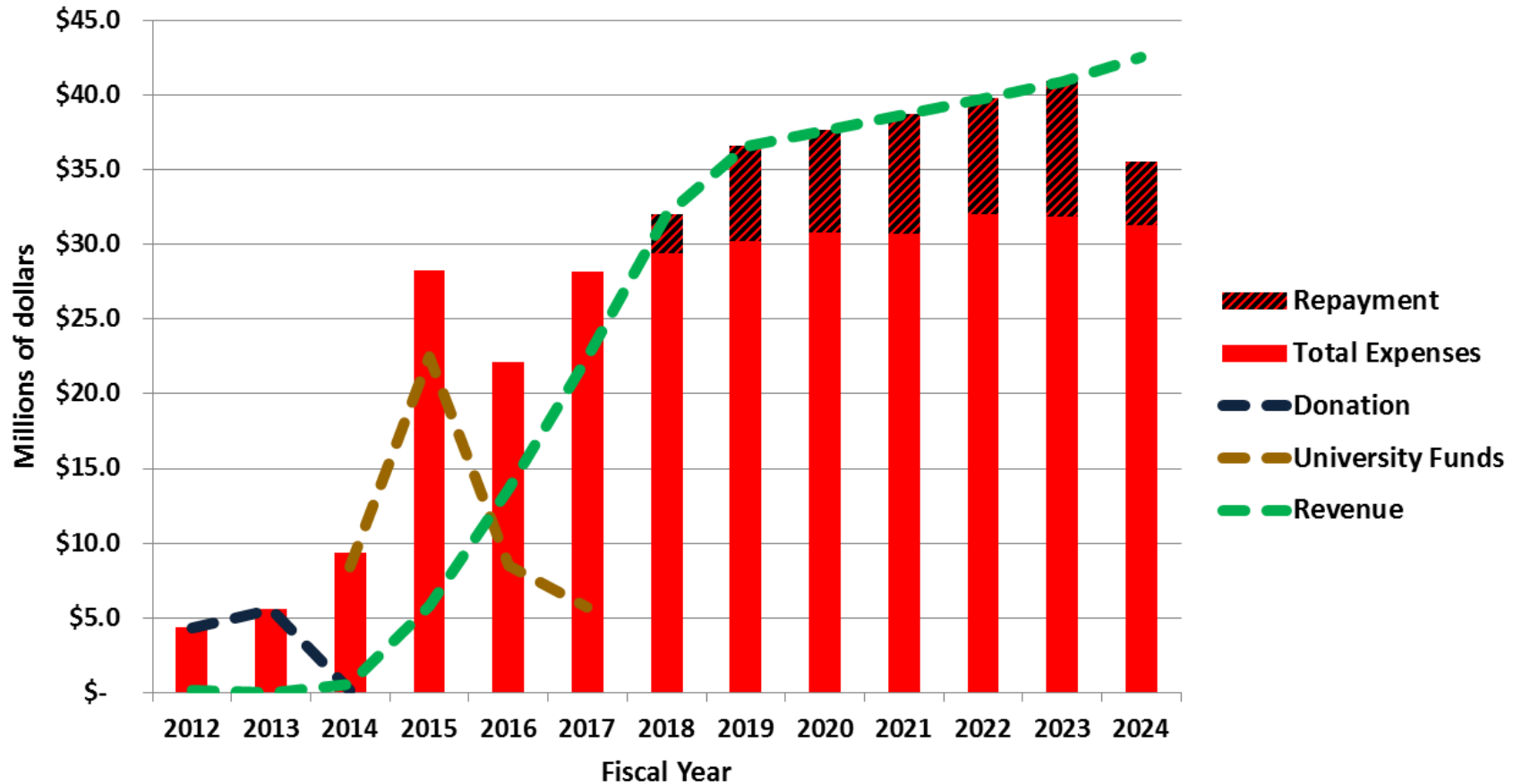


Operating Budget Snapshot





Operating Budget Gap Funding



Financial Support for Facility

- Alternatives
- Process to define plan will be initiated if D.M.D. program is approved by Board of Governors
- Once defined, plan will be presented to UCF Board of Trustees and Board of Governors for approval



Community Support Partners





Sample Support Statements for Economic Development

- “will provide a critical new plank in our efforts to build a prosperous and sustainable economy” [Mayor Buddy Dyer, City of Orlando]
- “The self-sustaining model ... reflects the innovation of our community, ... and will provide both immediate and long term economic impacts” [Mayor Teresa Jacobs, Orange County]
- “would help our efforts to promote this region worldwide as a center for life sciences and to attract more companies in this realm” [Rick Weddle, President and CEO, Metro Orlando Economic Development Commission]



Sample Support Statements for the Medical City

- “one more step on our shared journey toward changing the face of healthcare while redefining the economic and employment landscape for Central Florida” [Rasesh Thakkar, Senior Managing Director, Tavistock Group]
- “could provide exciting new opportunities for breakthrough basic and clinical research programs related to dental medicine” [Daniel P. Kelly, M.D., Professor and Scientific Director, Sanford-Burnham Medical Research Institute at Lake Nona]
- “Collaboration ... will offer a unique learning experience and the best possible preparation for real-world dentistry through our large, diverse, and comprehensive practice” [Timothy W. Liezert, Medical Center Director, Orlando VA Medical Center]



Sample Support Statements from Medical Partners

- “will serve as an important component of the medical city in Lake Nona, helping to grow and enrich the Central Florida economy through the addition of jobs, infrastructure development, and medical and dental research” [Sherrie Sitarek, President/CEO, Orlando Health]
- “potential for great synergies with the College of Dental Medicine as we begin to develop our pediatric dental health program and look to the eventual need for a dental residency program” [Roger Oxendale, Chief Executive Officer, Nemours Children’s Hospital]
- “will enrich the education of students in other health professions and improve healthcare in the Central Florida area, particularly in Orange County” [Maria Demas, DDS, Executive Dental Director, Orange County Health Department]

Central Florida City-State

- The university anchors the Central Florida city-state in meeting its economic, cultural, intellectual, environmental, and societal needs





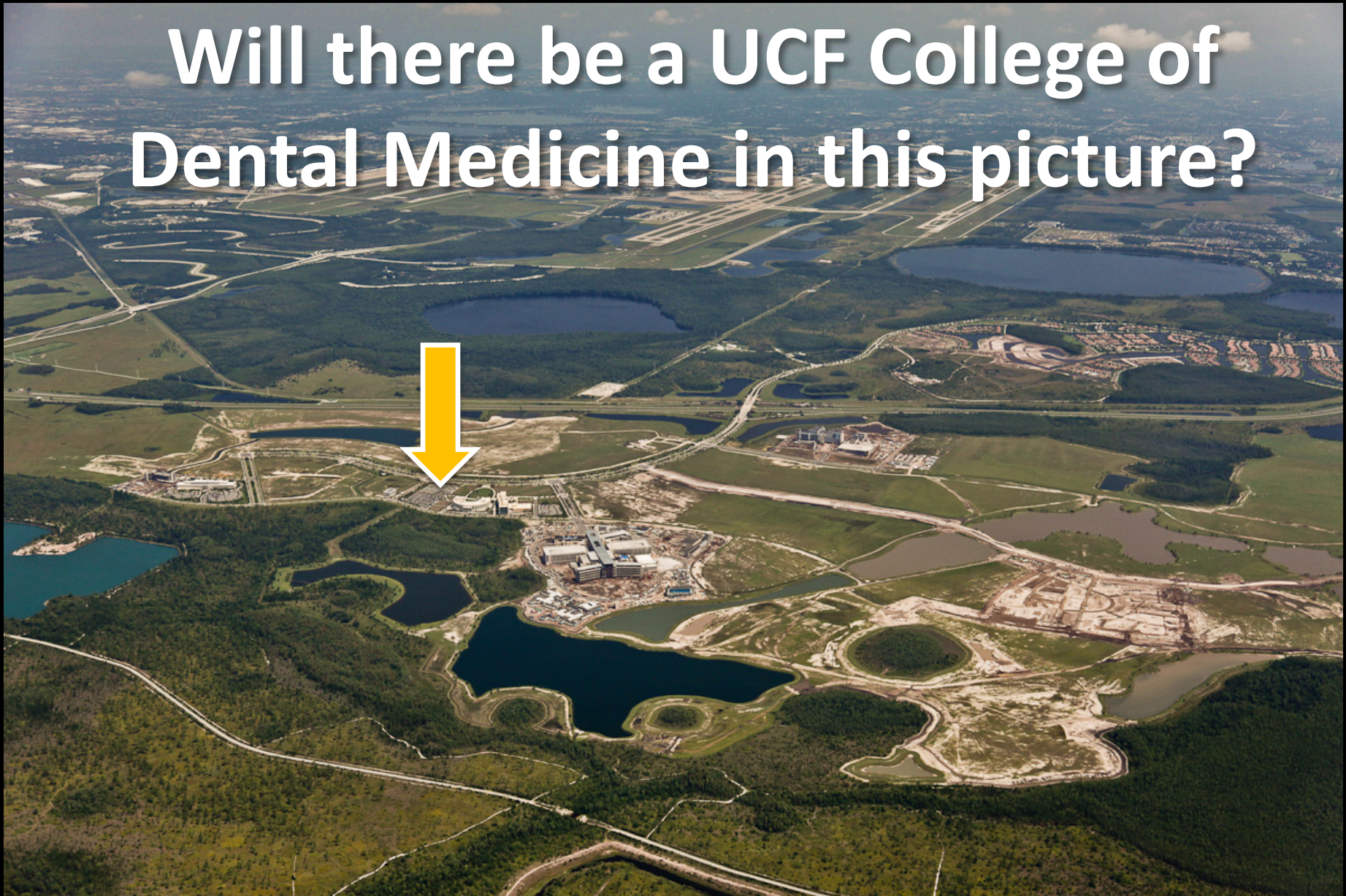
UCF Capability

- Second-largest public university in the nation
- Recognitions
 - Top ten “Up-and-Coming” national universities
US News & World Report – Best Colleges 2010
 - Top 50 “Best Values” public universities
The Princeton Review –100 Best Value Colleges 2010
- Catalyst for medical city at Lake Nona
- Strong related research program
- Strong financial condition
- Outstanding community partnerships

Why a Dental Program at UCF?

- Opportunity
- Delivers economic benefit
- Integral part of medical city
- Supports future demand for dentists
- Number of highly qualified applicants exceeds dental school capacity
- Dental care to underserved
- Synergy with ongoing research and health care
- No additional cost to the state of Florida

Will there be a UCF College of Dental Medicine in this picture?





Stands For Opportunity