

Future Dental Workforce: School of Dental Medicine at East Carolina University

Presentation for the
Health Reform: Safety Net Workgroup
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by

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East Carolina University Dental School

- Vision –

Improving the health and quality of life of all North Carolinians by creating leaders with a passion to care for the underserved and by leading the nation in community-based, service learning oral health education.

East Carolina University Dental School

- Mission -
 - Prepare leaders with outstanding clinical skills, an ethical bearing, sound judgment and a passion to serve.
 - Provide educational opportunities for individuals from historically underrepresented groups, disadvantaged backgrounds, and underserved areas.
 - Provide and enhance oral health services for underserved North Carolinians through implementation of community-oriented service learning and interprofessional collaborations.
 - Foster an environment where creativity, collaboration, and diversity are embraced.
 - Guide future clinical practice and dental education through innovation and discovery.

Who will our New School be Educating?

- Programs:
 - About 50 predoctoral (dental) students per year
 - 4-6 General Practice residents per year
 - Up to 20 Advanced Education in General Dentistry (AEGD) residents per year
 - 4 Pediatric Dental residents per year
 - Continuing education for dental professionals
 - The general public

Where will the Dental School be Located?

- Greenville facility
 - About 184,000 sq. feet
 - Three floors initially outfitted (fourth floor will have shelled space)
- Community Service Learning Centers
 - Distributed around the state in underserved communities

Greenville Facility

- Initially
 - Two learning (lecture) halls and several small group seminar rooms
 - State-of-the-art preclinical simulation labs
 - Clinical space for about 50 dental students per year, 8 peds residents, 2-4 gen. dent. residents, and faculty/staff
 - Clinical and educational support areas
 - Offices and conference rooms
 - Clinical research suite
- Shell space
 - Room for expansion, research and more faculty offices

Temporary Trailers



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Dr. Ledyard Ross, Greenville orthodontist,
pledged \$4 million to our new School



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Looking southeast.

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Looking down from over 5th Street.

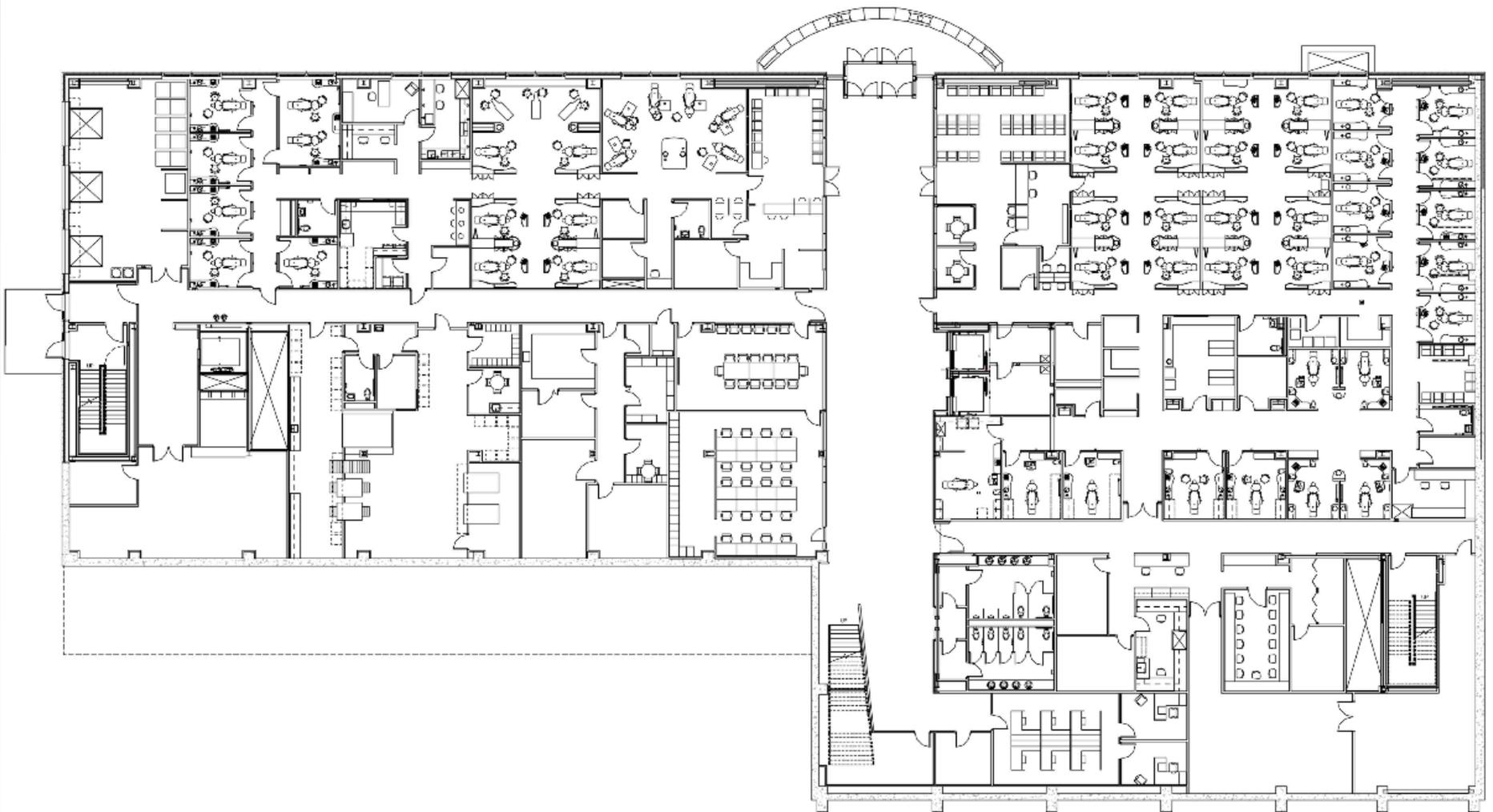
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SoDM | Construction Cam

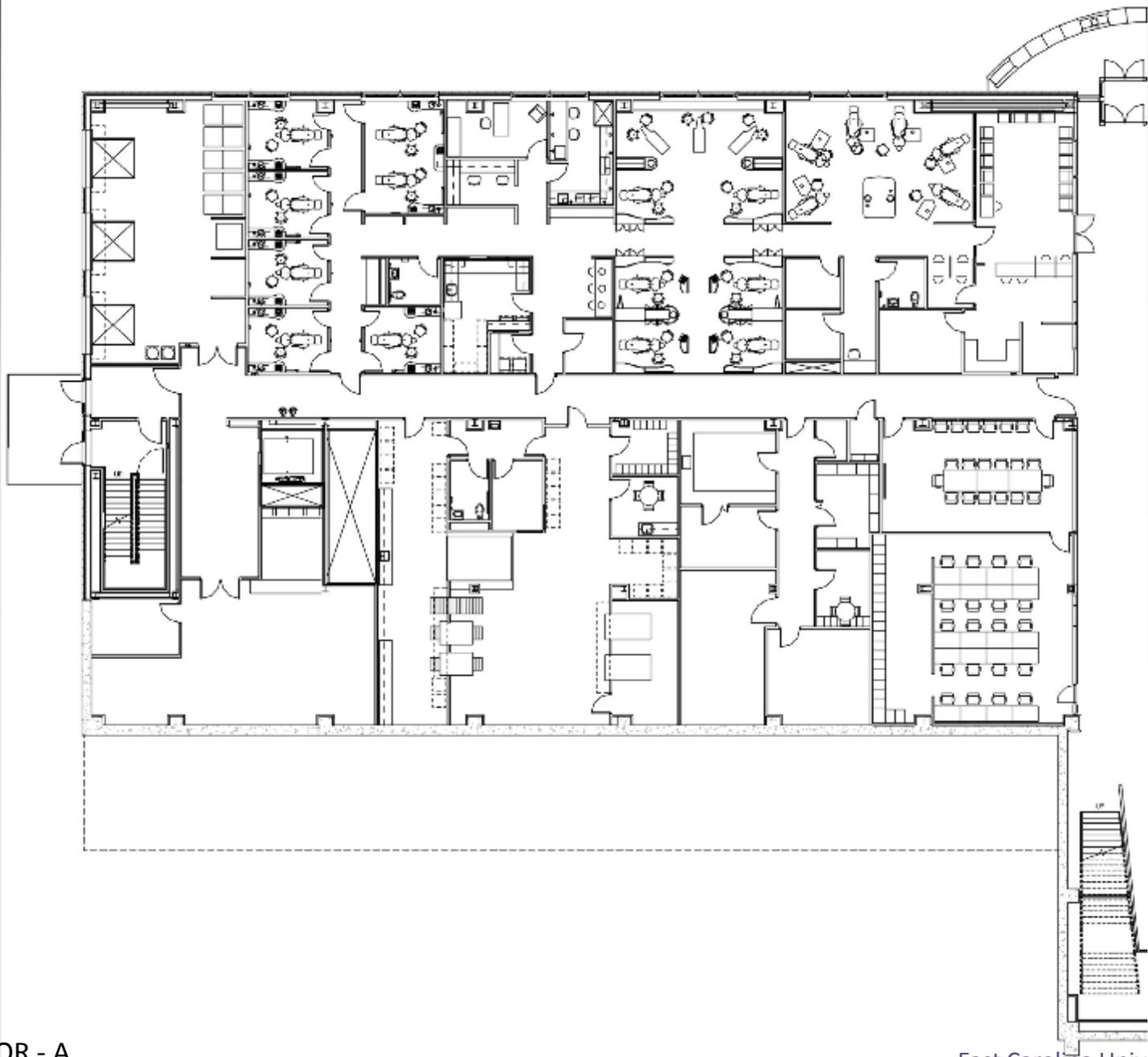
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FIRST FLOOR PLAN

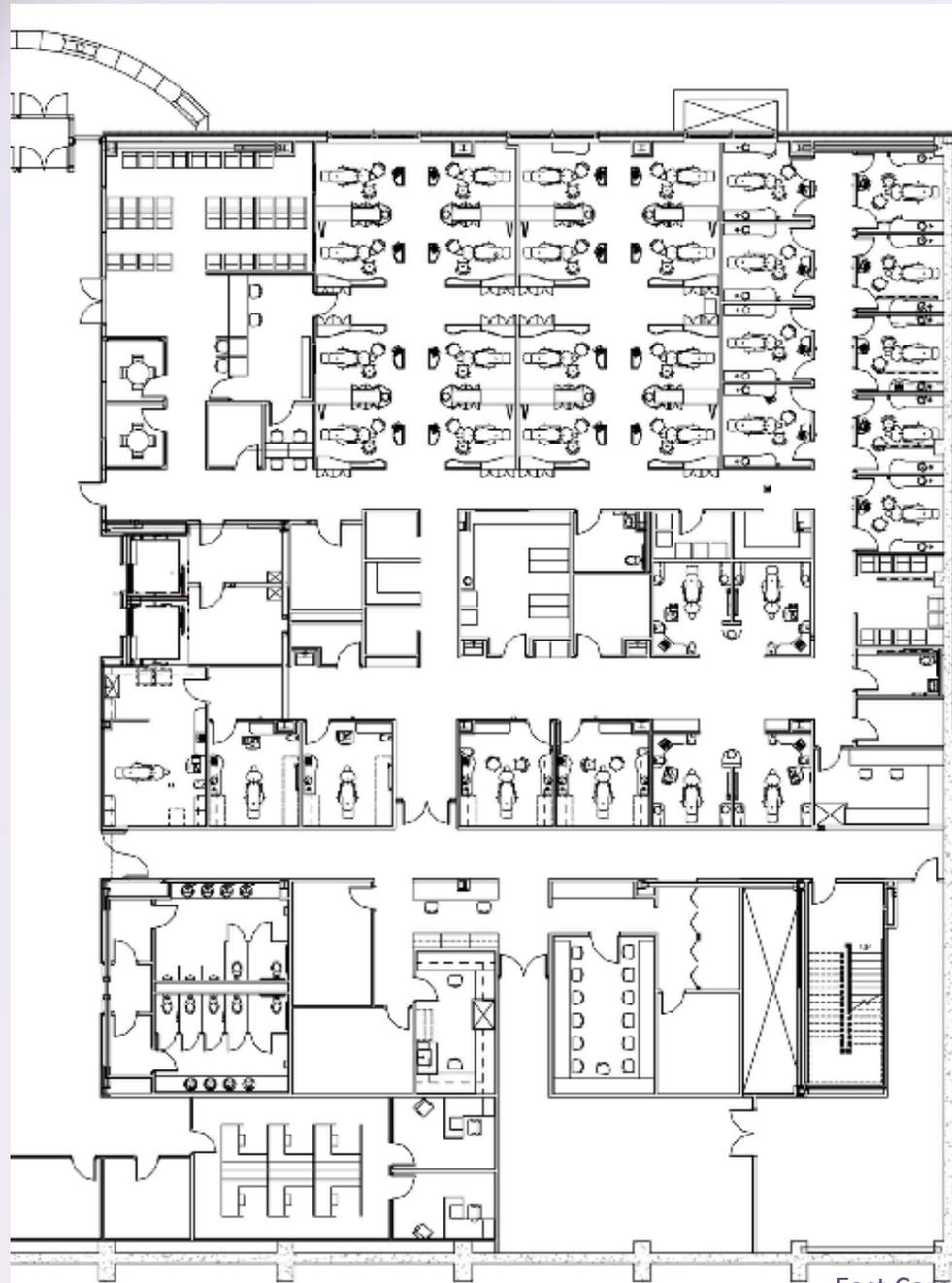
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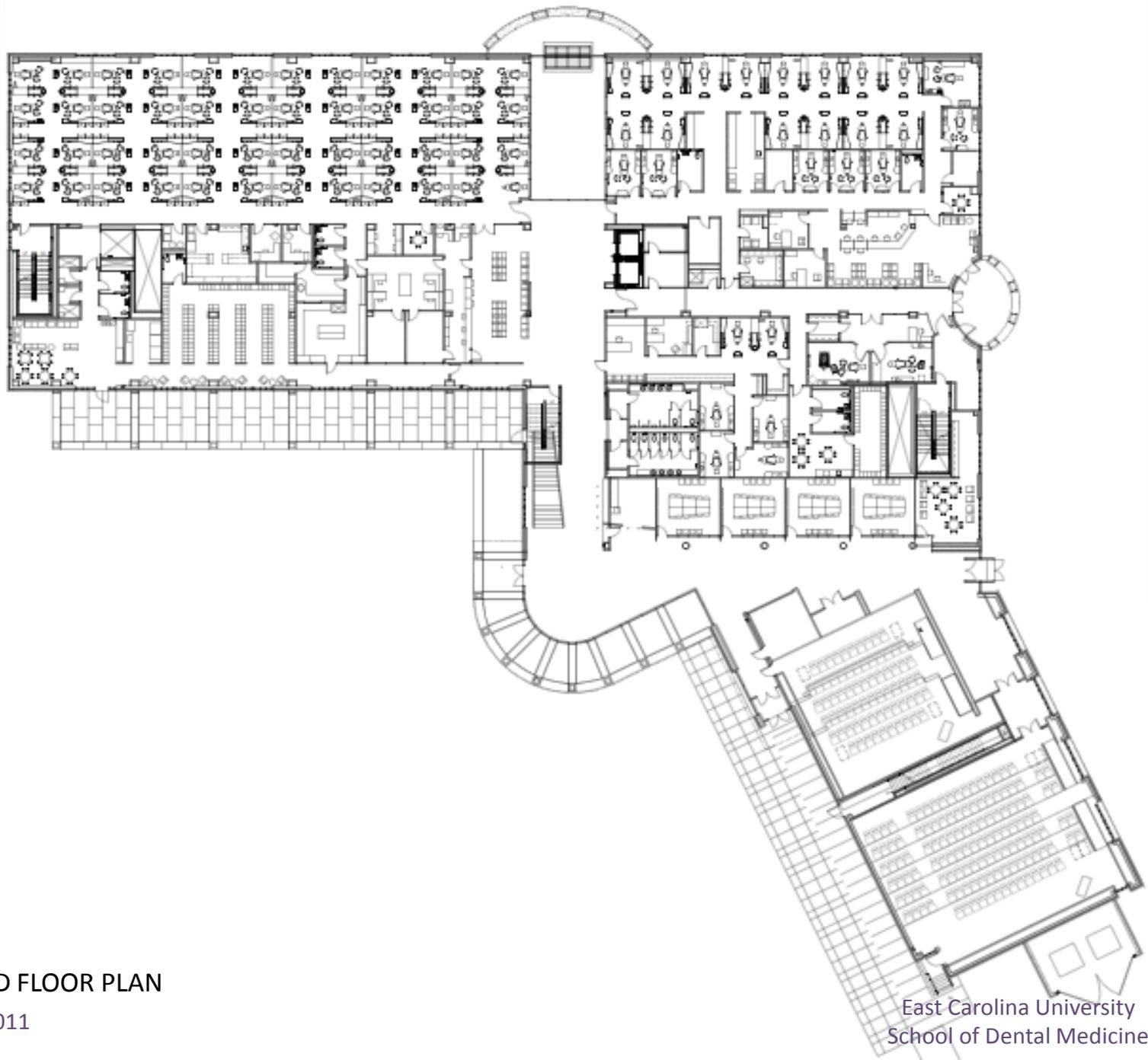
FIRST FLOOR - A
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FIRST FLOOR - B
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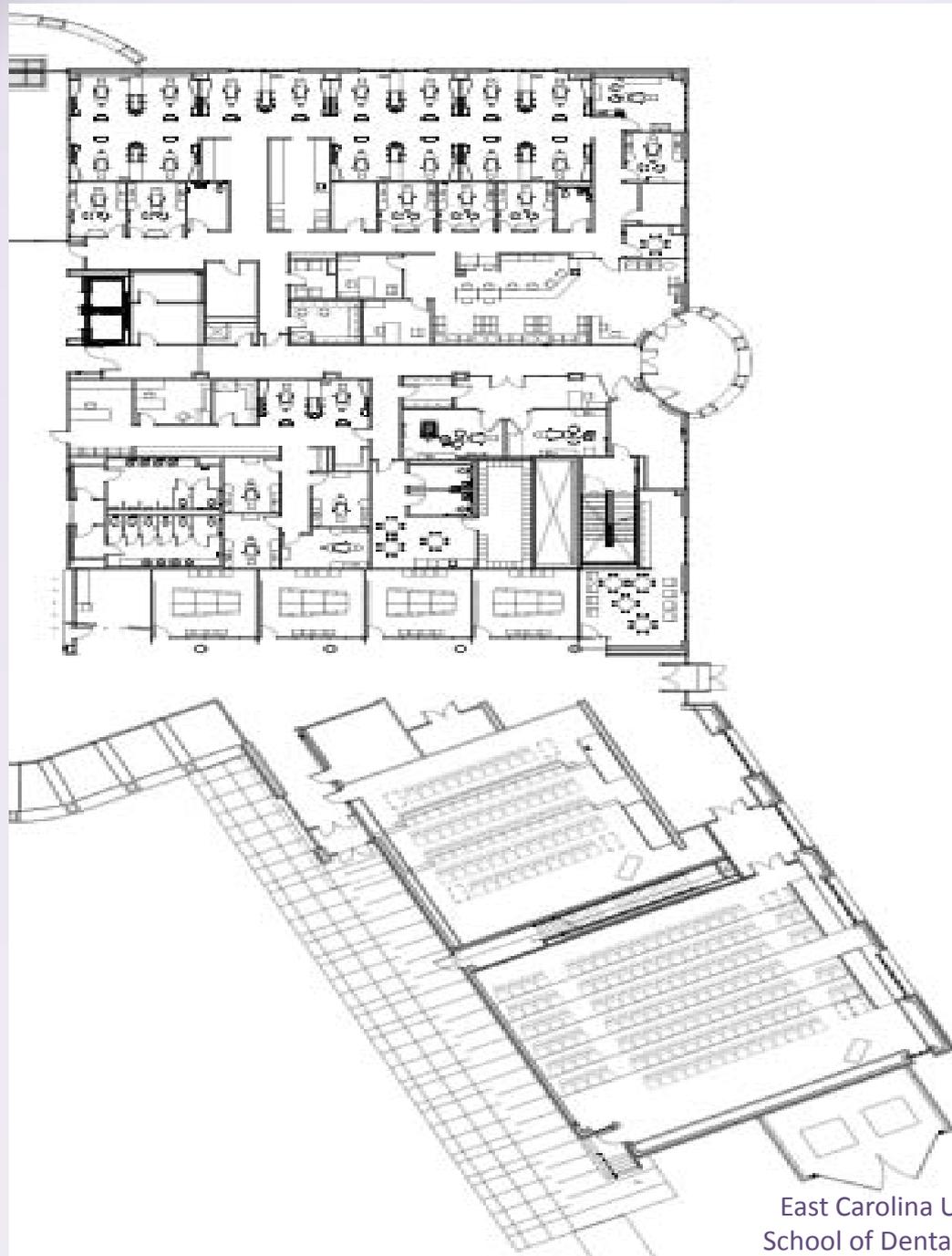
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SECOND FLOOR PLAN

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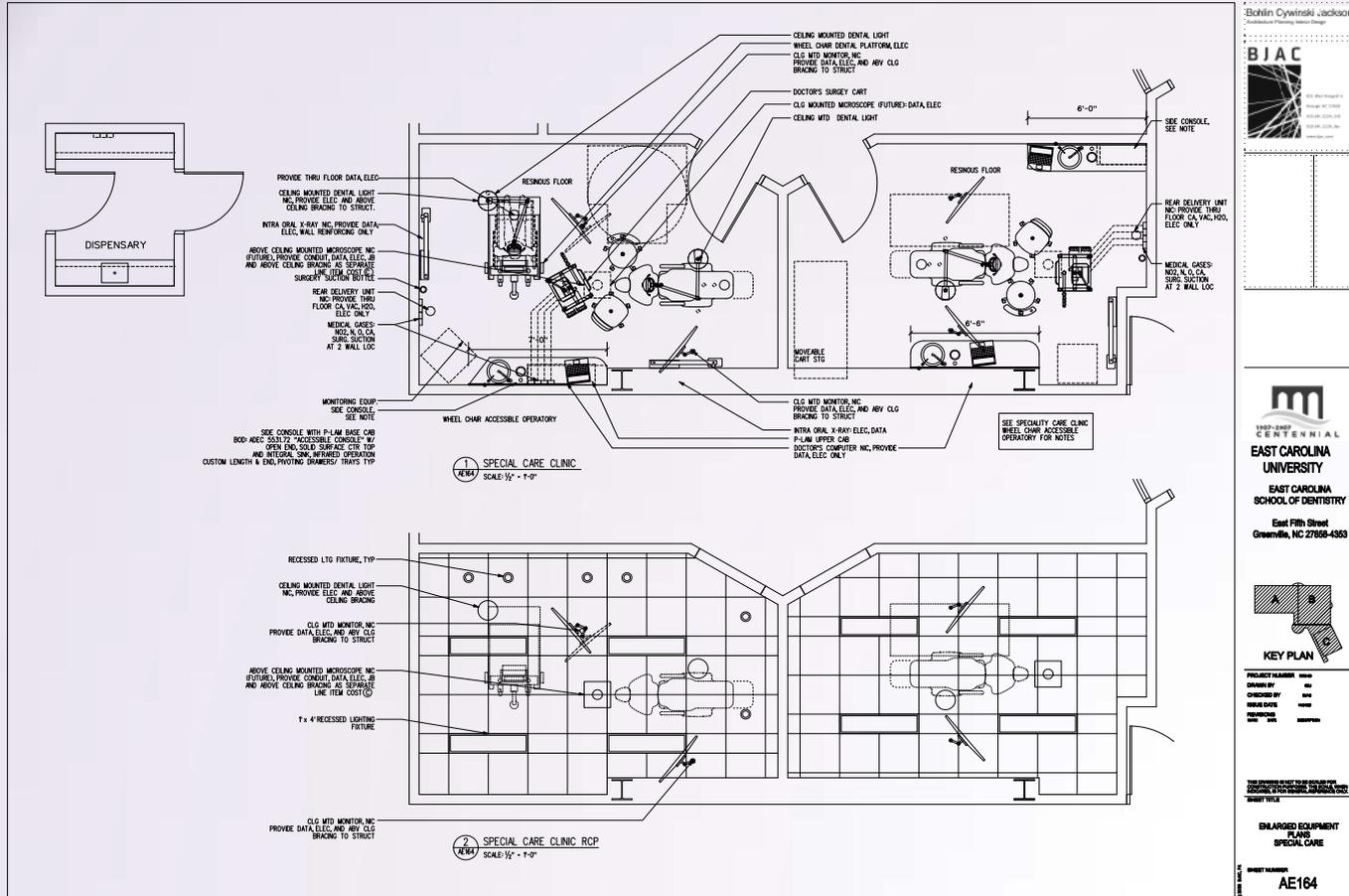


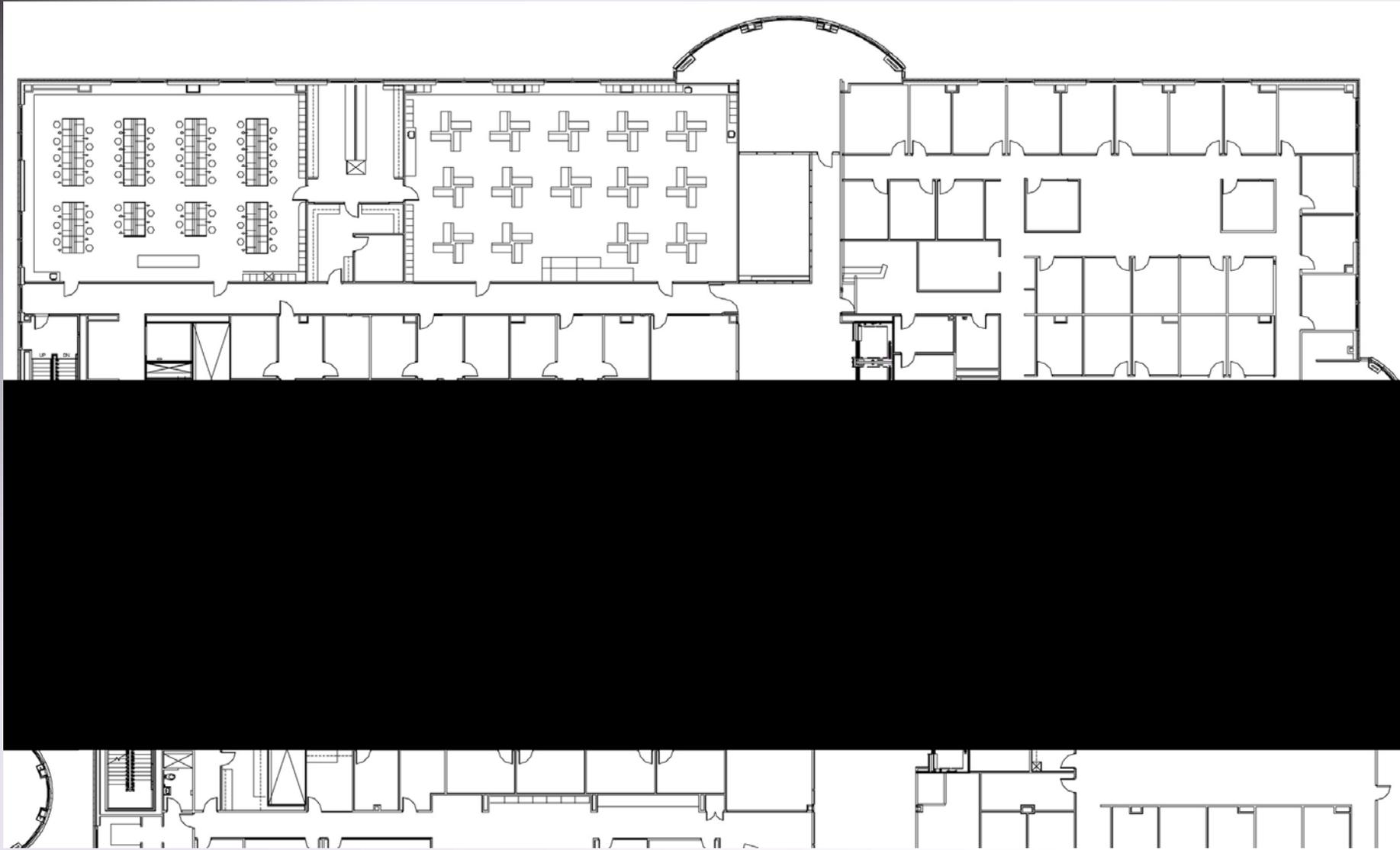
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Special Care Suite





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How will the Dental School at ECU be Innovative?

- Focus on preparing dentists to be able to successfully practice in rural communities.
- Systems-based, clinically integrated pre-clinical curriculum.
- Admissions process geared to attract students from under-served communities and under-represented groups. Maturity valued.
- Precise tracking of curriculum and student progress.
- Decentralized training using community service learning centers located in more rural parts of our state.
- Gathering of data that will be used to guide future dental care and dental education strategies.

Preparing Students for Rural Practice

- Public and rural health coursework
- Leadership training
- Business training
- Greater number of repetitions
- Greater complexity of cases
- Extensive field experience

Instilling a Passion to Serve

- Hiring faculty and staff who appreciate our mission, and want to help it be realized.
- Admitting students who have exhibited the passion to serve others.
- Walk the walk, regular participation on service projects.
- Maintain a culture of serving others and giving back to society.
- Extensive field experiences and learning how to make serving others financially feasible.

What's our Current Status?

- People - 16 faculty, 15 staff
- Facilities
 - Offices in 2 trailers on the health sciences campus, 3rd coming soon
 - Temporary teaching facilities being readied at our medical school
 - Site preparation on Ross Hall has begun, completion planned for fall of 2012
- Faculty and staff recruiting continues
- Curriculum development and accreditation preparations
- CSLC site selection continues

Current ECU Dental School Team



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How Can You Help?

- Contact your state legislator and let them know how important you feel the new school will be to helping improve access to dental care
- Guide those you feel would make excellent, community-minded, ethical dentists to dentistry and our school.
- Web site for learning more about dentistry as a career
 - <http://www.ada.org/public/careers>
- Web site and Facebook page to learn more about the ECU School of Dental Medicine
 - <http://www.ecu.edu/dentistry/admissions>

Community Service Learning Centers

- Faculty
 - At least one fulltime practicing GP
 - Community dentists
- Residents
 - 2 AEGD residents
- Students
 - 4-6 per site, each student rotates to more than one site
- Staff
 - Hygienists
 - Dental assistants
 - Business staff
 - Patient coordinator/dental social worker

Community Service Learning Centers



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North Carolina – A Special Situation

- State Demographics
- Dental Demographics

Bottom Line: Shortage and Maldistribution

State Demographics

- 5th largest growing state
- 10th largest state (8.8 million people) and will become 7th largest by 2030 – a growth rate of over 50%
- 15 Urban counties/85 Rural counties
- 50/50 Rural-Urban population

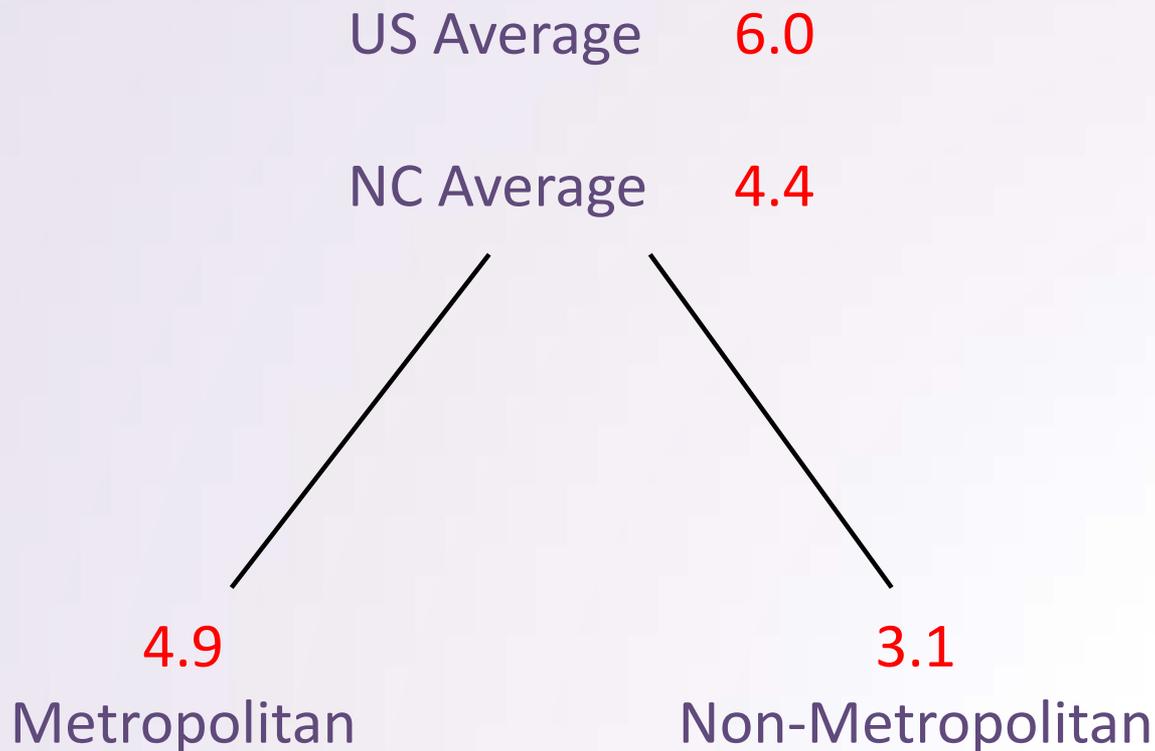
North Carolina – A Special Situation

- State Demographics
- **Dental Demographics**

Bottom Line: Shortage and Maldistribution

Dental Demographics

Dentists per 10,000 Population





Dental Demographics

- NC ranks 47th in the nation in dentists per capita (all but 7 counties are below national average)
- Worse in rural areas.... East and West (3 dentists/10,000 population)
- 4 counties, all in East, have **no** dentist (Camden, Gates, Hyde & Tyrrell)
- 1/3 of dentists practicing are 55 years of age or older... combine this with the fact that dentists in rural areas are 3 years older



North Carolina – A Special Situation

- State Demographics
- Dental Demographics

Bottom Line: Shortage and Maldistribution

North Carolina's Response

- 1999 NCIOM Task Force on Dental Care Access
- 2005 Oral Health Summit (NCIOM)

2005 Proposed Action Plan: The University of North Carolina System should make it a priority to expand the number of dental students trained in North Carolina. The goal of this initiative should be to increase the number of dentists who practice in underserved areas of the state and who agree to treat Medicaid and other underserved populations.

- UNC System: Joint Plan for Dentistry
- East Carolina University School of Dental Medicine

ECU School of Dental Medicine

MISSION

- *Prepare leaders with outstanding clinical skills, an ethical bearing, sound judgment, and a passion to serve;*
- *Provide educational opportunities for individuals from historically underrepresented groups, disadvantaged backgrounds, and underserved areas;*
- **Provide and enhance oral health services for underserved North Carolinians through implementation of community-oriented service learning and interprofessional collaborations;**
- *Foster an environment where creativity, collaboration, and diversity are embraced; and*
- *Guide future clinical practice and dental education through innovation and discovery.*

Impact on the Oral Health Workforce

- Educational opportunities – student selection
- Educating primary care dentists (pre-doctoral and post-doctoral programs)
- Educational experiences in rural/underserved areas
- Delivering primary care in rural/underserved areas
- Return to practice in areas of need

Community Service Learning Centers: “The ECU Model”

Community-based, economically sustainable dental practices of the School of Dental Medicine where students will advance their skills and knowledge under the supervision of dental faculty while serving in rural areas across North Carolina.

CSLC Practice Team

- Staffed by faculty, residents, senior dental students, dental assistants, dental hygienists and administrative staff
- Faculty will treat patients while mentoring students/residents (medical education model)
- Structured like a group private practice

Features

- Actual practice setting
- Similarities in size, floor plan and equipment
- Technologically state-of-the-art with video conference rooms and student study areas
- Electronically connected to the dental school for educational and patient care activities

Department Legend

- CLINICAL
- CLINICAL SUPPORT
- FACILITY
- CIRCULATION

BY DENTAL EQUIPMENT VENDOR



Practice Preparation

- Real-life experience in a community practice
 - Extensive diagnostic and clinical skills
 - Hands-on practice management experience
 - Leadership and team building opportunities
-while living in the community

The Capstone Experience

- Three 9-week rotations during the senior year
- Approximately 4 to 6 students per site
- Extensive patient care experiences
- Collaborations with primary care partners – interdisciplinary experiences
- Community outreach

Announced CSLC Locations





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Thank you
and Go Pirates!
Questions and
Comments Welcome.