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**I. General Research Interest**

- A. Management and Education for Chronic Lung Diseases
  - 1. Asthma
    - a. GINA guidelines for control and management
    - b. EPR-3 (under review for 2020) Asthma education and prevention guidelines
    - c. Use of aerosol medications and delivery devices
    - d. Health promotion in vulnerable populations
    - e. Self-efficacy for self-management
  - 2. COPD
    - a. GOLD standard for treatment and management guidelines
    - b. Pulmonary rehabilitation
    - c. Health literacy
  - 3. Tuberculosis
    - a. National Tuberculosis Treatment Center (NTTC) education
    - b. Developing culturally appropriate interventions and resources
  - 4. Smoking Cessation and E-cigarette use
    - a. Prevention and cessation strategies
    - b. Risk factors
- B. Professional Identity of Respiratory Therapists
  - 1. Competency and Educational Standards for 2030
    - a. RRT credential
    - b. BS entry to practice
    - c. MSRT/Advanced Practice Respiratory Therapist
- C. Clinical Applications of Respiratory Therapy Practice
  - 1. Critical Thinking in Respiratory Care

**II. Current Research Projects**

- A. Research productivity of Respiratory Therapy faculty
- B. Telehealth in pulmonary rehabilitation
- C. Comparison of cardiac vs pulmonary rehabilitation outcomes

**III. Research Skills**

- A. Research project management and recruitment
- B. Quantitative and survey research methodologies
- C. SPSS database development and quantitative analysis
- D. Research mentoring