

Research Theme 3 HEALTH and QUALITY OF LIFE

The Texas A&M University *research enterprise* encompasses all elements that come together to address critical research needs (basic, applied or translational) including all stakeholders, resources and infrastructure. Delivering outcomes and results that promote knowledge growth and solve or prevent challenges for the public good are the basis for the research enterprise strategic plan.



SUB-THEMES

▶ DIAGNOSTICS, TREATMENTS, INTERVENTION AND CURES

Examples of Research Areas of Strength/Opportunity within Texas A&M

Biomedical devices, diagnostic technologies, precision medicine, genetics/genomics, toxicology/environmental health, neuroscience, infectious diseases, zoonotic/emerging diseases, digital health, telehealth, cancer therapeutics/vaccines, cardiovascular diseases, communication and adoption, clinical trials and governance

Alignment with National and Texas Legislative Priorities

NIH, DARPA, DVA, DHA, HRSA, ARPA-H, MULTI-AGENCY, MULTI-AGENCY R&D, NATIONAL BIODEFENSE, USAID, UN, TX

Texas A&M Capacity (Initial Mapping of Alignment with Colleges, Schools, Agencies and Centers/Institutes/Core Facilities)

HSC (SoD, SoM, SoN, SoP, SPH), CAS, TEES (COE), ENMED, AGLR (COALS, VMBS), TVMDL, PVFA, SEHD, CVRI, GHRC, CMDD, CPT, CTCR, HCRF, TAMIN, IQSE

▶ DISEASE PREVENTION AND HEALTH PROMOTION

Examples of Research Areas of Strength/Opportunity within Texas A&M

Risk and protective factors, food-nutrition-health link, prevention of chronic diseases, stress management, vaccine development, emissions-energy-health interactions, health communication, hospitality and recreation

Alignment with National and Texas Legislative Priorities

NIH, USDA, MA, CDC, DHA, HRSA, ARPA-H, NEH, SBIR/STTR, UN, TX

Texas A&M Capacity (Initial Mapping of Alignment with Colleges, Schools, Agencies and Centers/Institutes/Core Facilities)

HSC (SoM, SoN, SPH), SEHD, SOA (CHSD, CHUD), AGLR (COALS, VMBS), AGEX, TTI, TEES, IAH, IBT, CCHD, HCDC, GHRC, IIAD, CARTEEH

▶ HEALTH DISPARITIES AND COMMUNITY HEALTH

Examples of Research Areas of Strength/Opportunity within Texas A&M

Rural and community health, racial/ethnic/socioeconomic health disparities, women's health and gender differences, military and operational medicine, humanitarian assistance/disaster response, health resilience, global health security and governance

Alignment with National and Texas Legislative Priorities

NIH, DOED, USAID, VA, DHA, NSF, HRSA, ARPA-H, NEH, MULTI-AGENCY R&D, UN, TX

Texas A&M Capacity (Initial Mapping of Alignment with Colleges, Schools, Agencies and Centers/Institutes/Core Facilities)

HSC (SoD, SoM, SoN, SoP, SPH), SEHD, SOA (CHSD, CHUD), CAS, AGLR (COALS), BUSH, TEES, AGEX, CDC, IECE, IAH, CHEER, SRHRC, CCHA, HST