

FACILITIES AND OTHER RESOURCES

OVERVIEW

Kansas State University (K-State) is a Carnegie-designated R1 institution and the nation's oldest operational land-grant institution, allowing it to provide a uniquely supportive environment for human-science research. This combination creates opportunities to connect research with people and communities across Kansas and beyond. K-State's land-grant mission is also naturally aligned with human-science research, as both strive to translate an understanding of humanity into interventions, practices, and policies that improve lives. The university averages over \$170 million in competitive awards and over \$625 million in faculty-initiated competitive award submissions each year.

K-State researchers have access to state-of-the-art support as well as connections to real-world settings and populations, including families, schools, clinics, social-service organizations, and nursing homes. These resources support a broad continuum of research, from discovery and assessment through intervention, implementation, and community-engaged research. This document outlines those resources and how they create an ideal environment to support research and discovery.

K-State Research Environment. K-State provides access to a comprehensive research environment that supports projects from initial concept and proposal development through project execution, translation, and closeout. Research infrastructure includes participant-facing clinical and developmental facilities, a statewide Extension network, behavioral intervention laboratories, survey and electronic data-capture platforms, and high-performance computing resources. The Office of the Vice President for Research (OVPR) provides centralized research development and pre- and post-award support, including assistance identifying funding opportunities, developing and submitting proposals, negotiating and accepting awards, administering sponsored projects, and meeting sponsor requirements. The OVPR provides start-up funding support for faculty throughout the university and provides them with daily updates on the account balances associated with external awards, using the Cayuse software. Cayuse also allows the university to carefully record competitive awards and applications, with records going back to FY2016. This allows identification of areas of need and priority, which has led to targeted investments. Further, the OVPR provides competitive internal funding through the Ad Astra funding program to support investigations into new research areas, responses to reviewer comments on grant proposals, and interdisciplinary collaborations. University systems provide support for research compliance and integrity, including human-subjects protections, animal research oversight, biosafety, export controls, conflicts of interest, research security, and other regulatory requirements. Finally, the OVPR provides licenses and access to an abundance of research-support software, including but not limited to ATOM Grant, BioRender, REDCap, and others. The K-State Research Foundation extends this infrastructure into translation and commercialization by supporting intellectual property protection, technology transfer, licensing, and connections that help move university discoveries toward application. These resources create pathways for promising ideas to develop from pilot studies into externally funded research and real-world applications.

Fiscal and Sponsored Award Management. K-State maintains the financial and administrative infrastructure to manage sponsored awards through the Office of Sponsored Programs (OSP). OSP provides pre- and post-award fiscal administration for externally funded grants and contracts. This includes establishing project accounts, invoicing and collection of sponsor funds, financial reporting, expenditure review, expenditure compliance, effort reporting, subrecipient monitoring, award closeout, and overdraft accounts when appropriate. OSP uses Cayuse software to maintain relevant records and support award management throughout the life cycles of projects across campus. This infrastructure robustly supports a broad and substantial portfolio, including more than \$225 million in research awards in FY2025. OSP has experience administering large federal awards, recently including a \$50 million USAID Feed the Future Innovation Lab award and two NIH COBRE multi-institution research center awards, each totaling more than \$10 million.

College of Health and Human Sciences (CHHS). CHHS serves as the university's hub for research focused on the health and well-being of individuals, families, and communities. It is organized into a school system that removes artificial organizational barriers and facilitates collaborations across diverse

specialties. The structure creates unique opportunities for research that crosses traditional boundaries, integrating perspectives on biological function, behavior, and development into more applied areas such as implementation science, financial well-being, and clinical care. The resulting environment is one that maximizes the impact of research discoveries by allowing researchers to seamlessly access diverse methodologies and expertise. CHHS is filled with highly productive faculty, ranking second among K-State colleges for faculty-initiated competitive award submissions (\$2,689,366 per full-time faculty researcher) and third for awards (\$354,604 per full-time faculty researcher).

School of Human Sciences: The School of Human Sciences is housed within the College of Health and Human Sciences. School of Human Sciences researchers work to improve the well-being and relationships of individuals, families, and communities across the life course. Their efforts span the following key multidisciplinary areas: adolescent and relationship development, trauma and family stress, family health and well-being, therapeutic interventions and mental health, relationship dynamics, life course and elder advocacy, and conflict resolution. The school's collaborative environment has resulted in significant external competitive research support, topping \$5M in FY2027.

CLINICAL, DEVELOPMENTAL, AND BEHAVIORAL RESOURCES

K-State Family Center. The Family Center provides care to individuals, couples, and families on a sliding pay scale, while seamlessly incorporating state-of-the-art therapy training and research infrastructure. Operationally, it is managed by faculty, staff, and graduate student trainees from the accredited Couple and Family Therapy program in the CHHS, allowing the center to support in-person and teletherapy care. The facility includes a variety of rooms, designed for family, individual, group, and play-based therapy. These resources create an environment conducive to clinical, relational, family, child, behavioral-health, treatment-process, intervention, and implementation research.

K-State Speech and Hearing Center. The Speech and Hearing Center provides comprehensive speech-language pathology and audiology services in a cutting-edge clinical facility, housing seven therapy (individual and small group) rooms with adjoining observation spaces and equipped with audio and video recording systems. There is a therapeutic kitchen that facilitates research into dietary support for studies related to swallowing disorders. The center's infrastructure also facilitates aural rehabilitation and assessment of central auditory processing. Together, the infrastructure supports research across the spectrum of communication sciences and related disorders as well as implementation science.

Center for Child Development and Early Childhood. The Center for Child Development (CCD) provides on-campus childcare, while supporting training and research. This care is provided through a direct affiliation with the Kansas Institute for Early Childhood Education and Research (KIECER). The CCD and KIECER work in tandem to create an environment that provides care while using the science of child development to improve early education, policy, and family support.

Center on Aging. The Center on Aging supports research, assessment, and engagement across the lifespan. This includes the PEAK (Promoting Excellent Alternatives in Kansas) network, a statewide person-centered care quality-improvement program. PEAK supports over 100 nursing homes in the state with training, evaluation, and implementation of person-centered care practices. The Center also serves as a hub for faculty investigating aging with diverse approaches (e.g., model organisms, economic analysis, building design) with the shared goal of extending the healthspan.

Sensory and Consumer Research Center. The Sensory and Consumer Research Center is a consumer research facility that conducts qualitative and quantitative studies, including descriptive analyses, difference testing, method development, and project management. It also manages a participant pool, facilitating research on food products and applied consumer behavior.

Cognitive and Neurobiological Approaches to Plasticity (CNAP). CNAP is a Center of Biomedical Research Excellence that houses EEG systems, mobile EEG systems, and transcranial magnetic stimulation equipment available to K-State researchers. It can help facilitate participant recruitment and extend projects into cognition, neurodevelopment, behavioral neuroscience, and brain-behavior spaces.

STATEWIDE RESOURCES

K-State Extension. K-State Extension is made up of county and district offices, educators, specialists, and volunteers that provide a presence for the university in all 105 Kansas counties. This statewide infrastructure supports extensive community-engaged research, allowing participant recruitment, intervention delivery, implementation studies, and dissemination. Regional research-extension centers and local offices also provide physical infrastructure for meetings and programming in rural and urban settings.

Social Work and Community Agency Networks. K-State maintains connections with social-service agencies through field education and community-based professional training. This facilitates practicum placements and applied research on a range of topics (e.g., child welfare, criminal justice, intimate partner violence) and provides a foundation for a range of research partnerships, implementation studies, program evaluation, and practice-based research.

DATA COLLECTION, ANALYSIS, COMPUTING, AND METHODOLOGICAL RESOURCES

REDCap. K-State provides Research Electronic Data Capture (REDCap), a secure web application for building and managing research databases and online surveys. This supports data validation, audit trails, branching logic, calculations, and data import/export. REDCap facilitates human-subjects research, including longitudinal studies, clinical/behavioral trials, and multisite projects.

Qualtrics and Survey Research. Qualtrics is available to K-State researchers. The platform supports online surveys, recruitment workflows, questionnaires, assessments, and remote data collection.

Statistical Consulting Laboratory. The Statistical Consulting Laboratory provides statistical expertise for research and scholarship. It supports study design, analytic planning, statistical modeling, and methodological consultation.

Geographic Information Systems Spatial Analysis Laboratory (GISSAL). GISSAL supports geospatial research and outreach through spatiotemporal analytics, geoprocessing, cartography and visualization, GIS web services, map-application development, and geospatial data infrastructure. This allows research on access to services, built environments, health disparities, social determinants of health, transportation, environmental context, place-based interventions, and similar inquiries.

Beocat High-Performance Computing. Beocat is a high-performance computing cluster available to K-State researchers and their collaborators. It supports computationally intensive analyses, large datasets, simulation, machine learning, and data-intensive research. This infrastructure could be used for a variety of research purposes, including large-scale population or longitudinal studies.

RESEARCH ADMINISTRATION, HUMAN SUBJECTS OVERSIGHT, AND PROJECT SUPPORT

Human Subjects Research Oversight. The Institutional Review Board provides oversight for research involving human participants. The Office of Research Integrity, Compliance and Security supports investigators in the ethical and compliant conduct of human-subjects research. These resources ensure that researchers are compliant with all relevant local, state, and federal guidelines.