



## Research & Development

Managing the complex R&D demands of federal agencies is a cornerstone of Cherokee Nation Assurance (CNA). Navigating federal policies and finding the best solution can be difficult. CNA has the scientific expertise to tackle these challenges – developing strategies that support innovation, process efficiency and enhanced products. Clients rely on CNA as a complete resource for their research and development needs.



## Complex Projects Made Easy

Projects of all sizes become outstanding success stories with CNA's unique capabilities:

- Analytical laboratory sciences
- Bioinformatics
- Data analytics
- Health systems transformation
- Predictive analytics/decision support
- Program integrity
- Research & analysis
- Studies & evaluation



## Performance Highlights

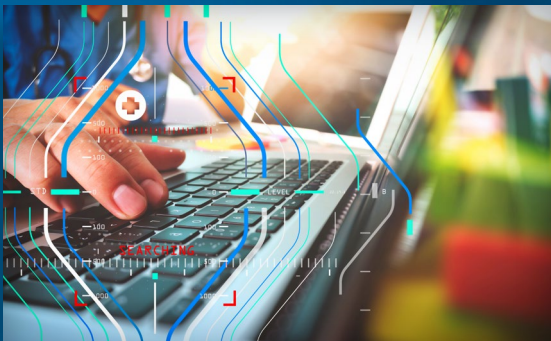
### U.S. Army Medical Research Institute of Infectious Diseases (USAMRIID) – Scientific Research Support Services

CNA provides varying levels of scientific and technical support to cover genomics functional capabilities, which include pathogen discovery and stock characterization, pathogen population genetics, pathogen genome reconstruction, comparative genomics, host-immune response characterization, and technology development and integration. Scientific support includes establishing research protocols supporting the genomics functional capabilities, as well as research governance of data integrity and good research conduct.



### **Walter Reed Army Institute of Research (WRAIR) - Behavioral Biology Branch Technical Expertise and Support for Blast Characterization**

CNA's team of biomedical engineers and research technicians assist Principal Investigators with data collection, development and design of behavioral-biological research studies related to low-level over-pressure blast waves. The team engages in research protocol development and designing the areas of chemical analysis of particulates present in lung tissue, utilizing scanning electron microscopy with energy dispersive x-ray analysis from collected data for characterization of blast wave propagation in complex environments.



### **U.S. Army Medical Material Development Activity (USAMMDA) – Dengue Human Infection Model (DHIM) Data Safety Monitoring Board (DSMB) Support Services**

CNA provides senior management and assistance, executive administrative services, meeting and overall administration and scientific support to the USAMMDA division. The team assists the mission of USAMMDA by providing subject matter experts, infectious disease medical doctors, ethicists and biostatisticians to act as a Data Safety Monitoring Board.

### **Centers for Disease Control and Prevention (CDC) – Community Guide Branch (CGB) Scientific Technical Consulting Services**

The CNA team provides CGB with evaluation planning, design, execution, data analysis and interpretation, report writing and monitoring services. The team provides strategic expertise in developing measurement instruments and procedures, monitoring, and evaluation of projects and programs, include developing results frameworks, logic models, indicator development, study design and data analysis. CNA also conducts qualitative and quantitative studies that monitor reporting systems.

### **U.S. Army Institute of Surgical Research (USAISR) – Clinical Quality Assurance and Clinical Quality Control Support Services**

CNA delivers state-of-the-art trauma, burn, and critical care to Department of Defense beneficiaries around the world by supporting the USAISR. The team provides clinical quality assurance and control by conducting protocol evaluation and feasibility assessment of proposed clinical research and delivers protocol management by organizing and prioritizing all associated activities. CNA coordinates and manages clinical studies, monitors the progress of research activities, develops and maintains records of research activities and prepares periodic status reports.

**Call today to put CNA to work for you.**

Matthew Wallace | Director of Business Development  
571.800.6428 w | 443.472.0891 m  
matthew.wallace@cn-bus.com

Richard Mylod | Operations General Manager  
571.800.6432 w  
richard.mylod@cn-bus.com

