



## HEALTH ANALYTICS AND MEDICAL READINESS TEAM

*CNA's Health Analytics and Medical Readiness (HAMR) team is comprised of analysts and experts whose skills span health care policy, clinical decision-making, biostatistics and epidemiology, and population health. Due to the complexity of public health issues, we take an interdisciplinary approach to understand critical health care issues as well as the associated impacts on personnel, finances, and public safety.*

HAMR helps Navy Medicine maintain a healthy, ready force. We aim to deliver actionable, evidence-based solutions and recommendations for decision-makers, practitioners and providers, and patients.

Recent projects include assessing the effects of medical accession waivers in the Navy and Marine Corps; updating the Authorized Medical Allowance List for surface combatant ships; and helping to create a concept of operations for expeditionary medical operations involving chemical, biological, radiological, nuclear, or environmental exposures. Under several ongoing studies, we are evaluating the Navy's blood supply system and the effects of several current initiatives.

We have extensive experience curating and using electronic health record data. With decades of military health data, we studied survivability under different

wartime conditions, provided recommendations for the future fight, and assessed the effect of virtual and telehealth options for sailors and marines. Other research areas include traumatic brain injuries, mental health resources, lifecycle costs and billet resources for various medical specialties, and various expeditionary health services and operations.

HAMR analysts are part of CNA's Resources and Force Readiness division, allowing them to draw upon a wide range of specialists in military personnel, training, resources, and logistics. Their work is further informed by being part of an organization with a deep understanding of naval operations and a long-standing relationship with the Navy.





## AREAS OF FOCUS

CNA helps Navy Medicine maintain both a ready medical force and a medically ready force through our work spanning three major topic areas: Navy Medicine force power projection, enhancing performance through relevant training requirements, and optimizing placement of people with well-tuned manning requirements.

### Power Projection

**Naval medical capabilities support power projection across the range of military operations** from soft power missions to care for the battle wounded. These medical capabilities, both people and equipment, must match the mission demands for speed, flexibility, and interoperability while ensuring professional engagement with allies and partners, force preservation, and survivability. CNA helps Navy Medicine develop and deploy medical capabilities that are qualified and prepared to respond to future demand. CNA studies focus on analysis to inform priorities of effort, taking into consideration current and future operational factors such as time, distance, and casualty demand, along with interoperability, feasibility, survivability, return to duty, and risk.

### Performance

**Quality training is foundational to a high performing medical force** and confidence in the ability of the non-medical force to provide self and buddy aid. CNA supports Navy Medicine in fostering optimal performance of the fighting and medical force through research focusing on the development of medical training, enhancing human machine interfaces, and exploration of new technology. Studies focused on human performance address emerging technology, advances in analytic methodologies, and the subsequent need to integrate with and optimize tasks or missions conducted by Navy medicine personnel.

### People

Hand in hand with a right sized and right composition of its personnel, **Navy Medicine is responsible for the health and medical readiness of their fellow sailors and marines.** CNA works with Navy Medicine to maintain optimal health of the force, including research on the latest medical science and analysis linking how policies affect individual and population health. Based on the research, CNA develops practical, actionable recommendations to improve the efficacy and viability of policies and interventions aimed at enhancing individual health and the health of the force as a whole.

## WHAT IS AN FFRDC?

A federally funded research and development center (FFRDC) is a research organization dedicated to the mission success of a particular government department or agency sponsor. FFRDCs have long-term relationships with their sponsors that allow them to develop deep expertise and to work on research projects that may span decades and even anticipate issues the sponsor will face in the future. They are also on-call with quick-response capability when speed is critical, including in national emergencies. FFRDCs are established under contracting authority in Federal Acquisition Regulations.

There are 42 FFRDCs in total, with the largest number sponsored by the Department of Defense and the Department of Energy. Nearly all FFRDCs are administered by nonprofit corporations such as CNA, RAND, and IDA. Unlike commercial contractors, FFRDCs have long-term contracts with their sponsoring agencies, and may not compete for other federal requests for proposals. Under the Federal Acquisition Regulations, an FFRDC contract establishes a “special relationship” between an FFRDC and its sponsor, including “access beyond that which is common to the normal contractual relationship to government and supplier data.”



## ABOUT CNA

CNA is a nonprofit research and analysis organization dedicated to the safety and security of the nation. It operates the Center for Naval Analyses — the only federally funded research and development center (FFRDC) serving the Department of the Navy — as well as the Institute for Public Research. CNA is dedicated to developing actionable solutions to complex problems of national importance. With nearly 700 scientists, analysts and professional staff, CNA takes a real-world approach to gathering data. Its one-of-a-kind Field Program places analysts on carriers and military bases, in squad rooms and crisis centers, working side-by-side with operators and decision-makers around the world. CNA supports naval operations, fleet readiness and great power competition. Its non-defense research portfolio includes criminal justice, homeland security and data management.

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