

FACT SHEET

711TH HUMAN PERFORMANCE WING

The 711th Human Performance Wing (711 HPW), headquartered at Wright-Patterson Air Force Base in Ohio, is the first human-centric warfare wing to consolidate research, education and consultation under a single organization. Established in March 2008 under the Air Force Research Laboratory, the 711 HPW is comprised of the Human Effectiveness Directorate (RH), the United States Air Force School of Aerospace Medicine (USAFSAM) and the Human Systems Integration Directorate (HS).



Commander

Brigadier General Timothy T. Jex

Vision

The 711 HPW's vision is to be the world leader for human performance.

Mission

The 711 HPW's mission is to advance human performance in air, space, and cyberspace through research, education, and consultation. The Wing supports the most critical Air Force resource – our operational military forces. The Wing's primary focus areas are aerospace medicine, human effectiveness science and technology, and human systems integration. In conjunction with the Naval Medical Research Unit – Dayton and surrounding universities and medical institutions, the 711 HPW functions as a Joint Department of Defense Center of Excellence for human performance sustainment and readiness, optimization, and enhancement.

Personnel and Resources

The Wing employs 1,433 government people, including 690 military and 743 civilian personnel. About 547 contractors also support the work of the Wing. The 711 HPW employs a broad range of occupational specialties, including science and engineering, occupational health and safety, medical professions, technicians, educators, and business operations and support. The Wing operates a program worth around \$335 million annually, including \$120 million for Human Effectiveness Directorate science and technology, \$110 million for Defense Health Programs, \$100 million from Human Effectiveness Directorate customers, and \$5 million from other medical customers.

Organization

The 711 HPW accomplishes its mission through three distinct but complementary mission units and a central staff located at Wright-Patterson Air Force Base, Ohio. In addition, the Wing includes about a dozen smaller operating locations within the United States and internationally.

Human Effectiveness Directorate – The heart of human-centered research for the Air Force, the Human Effectiveness Directorate integrates biological and cognitive technologies to optimize and protect the Airman's capabilities to fly, fight and win in air, space and cyberspace. Scientists, engineers and professionals from a variety of disciplines provide this support in four divisions: Training Division, Decision Making Division, Bioeffects Division, Forecasting Division.

USAF School of Aerospace Medicine – USAFSAM is an international leader in aerospace medicine, occupational/environmental medicine and preventive medicine, as well as related disciplines ranging from industrial hygiene to worldwide epidemiology. As the premier center of its kind, the school educates and trains about 6,000 Department of Defense, international and civilian students every year in a wide range of topics. It confers 16,000 Community College of the Air Force credit hours annually. In collaboration with four Air Force facilities and three world-renowned universities, USAFSAM uses state-of-the-art classrooms and immersive training environments to prepare new aeromedical experts for future global challenges. Partnering with the Centers for Disease Control and Prevention, USAFSAM is a global reference center and has the Department of Defense's busiest clinical, radiological and chemical laboratories. USAFSAM has been home to the world's experts in clinical aviation medicine since 1918.

Human Systems Integration Directorate – The Human Systems Integration Directorate makes the human factor a top priority by ensuring that systems are in tune with the human operator using the human systems integration process model. The HS staff makes certain that any product or technology such as weapons, computer networks – even facilities and working conditions – are designed, adapted or developed with human capabilities and limitations in mind.

History

In response to the 2005 Base Realignment and Closure directives, the Air Force activated the 711th Human Performance Wing in March 2008, establishing a unique organization focused entirely on the human operator as a critical element in our military capabilities. The 711 HPW merged the Air Force Research Laboratory's Human Effectiveness Directorate with functions of the 311th Human Systems Wing; the United States Air Force School of Aerospace Medicine (including functions of the former Air Force Institute for Operational Health); and the 311th Performance Enhancement Directorate (renamed Human Performance Integration Directorate).

Since its activation, the Wing's three mission units have been supported by an integrated staff that includes Plans and Programs, Financial Management, Contracting, Legal, Operations Management, and a Human-Use Research Independent Review Board. In addition to supporting daily operations and integrating mission activities, the staff conceived and executed relocation, financial, and personnel plans, and other tasks necessary to support the BRAC objectives. The 711 HPW coordinated BRAC construction with Army Corps of Engineers and 88th Air Base Wing civil engineers for 700,000 square feet of new facilities at Wright-Patterson Air Force Base, Ohio. The Wing also worked with the Corps of Engineers and joint partners to construct the 180,000-square-foot Tri-Service Research Laboratory at Fort Sam Houston, Texas to house the Directed Energy Bioeffects Program.

Point of Contact

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