Provides leadership for a national program in diseases of the heart, blood vessels, lungs, and blood, blood resources, and sleep disorders; 
Plans, conducts, fosters, and supports an integrated and coordinated program of basic research, clinical investigations and trials, observational studies, and demonstration and education projects relating to the causes, prevention, methods of diagnosis, and treatment (including emergency medical treatment) of the heart, blood vessel, lung, blood diseases, and sleep disorders through research performed in its own laboratories and through contracts and research grants to scientific institutions and to individuals;  
Plans and directs research in the development, trial, and evaluation of drugs and devices relating to the prevention, treatment, and rehabilitation of patients suffering from such diseases and disorders;  
Conducts studies and research into the clinical use of blood and all aspects of the management of its resources;  
Supports training and career development of personnel in fundamental sciences and clinical disciplines for participation in basic and clinical research programs relating to heart, blood vessels, blood, lung diseases, blood resources, and sleep disorders; by individual and institutional research training awards; 
Coordinates with the other research institutes and with all Federal health programs relevant activities in the above diseases and disorders, including the related causes of stroke;  
Conducts educational activities, including the collection and dissemination of educational materials on these diseases and disorders, with emphasis on the prevention thereof, for health professionals and the lay public; and  
Maintains continuing relationships with institutions and professional associations and with international, national, state, and local officials, and voluntary agencies and organizations working in these areas.
Division of Lung Diseases

Office of the Director (HNH31)

Airway Biology and Disease Program (HNH32)

Lung Biology and Disease Program (HNH33)

National Center on Sleep Disorders Research (HNH34)
Division of Blood Diseases and Resources

Office of the Director (HNH41)

- Molecular, Cellular and Systems Blood Science Branch (HNH4A)
- Translational Blood Science and Resources Branch (HNH4B)
- Blood Epidemiology and Clinical Therapeutics Branch (HNH4C)
Division of Extramural Research Activities

Office of the Director (HNHS1)

Office of Grants Management (HNHS3)
- Cardiovascular Sciences Grants Management Branch (4)
- Blood Diseases and Resources/Lung Diseases Grants Management Branch (5)

Office of Translational Alliances and Coordination (HNHS5)

Office of Scientific Review (HNHS8)
- Clinical Studies and Training Branch (2)
- Cardiovascular and Pulmonary Branch (3)
- Blood and Vascular Branch (4)

Office of Committee Management (HNHS9)

Office of Extramural Policy and Training (HNHSA)
Division of Cardiovascular Sciences

Office of the Director (HNH91)

Office of Biostatistics Research (HNH92)

Office of Research Training and Career Development (HNH94)

Program in Basic and Early Translational Research (HNH95)
- Advanced Technologies and Surgery Branch (2)
- Vascular Biology and Hypertension Branch (3)

Program in Adult and Pediatric Cardiac Research (HNH96)
- Heart Development and Structural Diseases Branch (2)
- Atherothrombosis and Coronary Artery Disease Branch (3)
- Heart Failure and Arrhythmias Branch (4)

Program in Prevention and Population Sciences (HNH97)
- Clinical Applications and Prevention Branch (2)
- Epidemiology Branch (3)

Office of Clinical Research (HNH98)
Center for Translation Research and Implementation Science

- Office of the Director (HNHA1)
  - Translation Research Branch (HNHA2)
  - Implementation Science Branch (HNHA3)
  - Health Inequities and Global Health Branch (HNHA4)