

Center for Human Phenomic Science

Clinical Translational Science Award

The Center for Human Phenomic Science (CHPS) was formed with the receipt of the Clinical and Translational Science Award (CTSA), an NIH Roadmap initiative. The CHPS has child and adult specific components at Children's Hospital of Philadelphia and University of Pennsylvania, respectively, as well as joint components. The CHPS merged the General Clinical Research Centers at both institutions and introduced new programs and services. The goal of the CHPS is to provide the resources, environment, operations, and training to support and promote high-quality clinical and translational research by qualified investigators.

The CHPS provides investigators with access to inpatient and outpatient services for research activities through various core services:

- The Research Nursing Core is staffed by experienced, qualified research nurses who assist study teams in the implementation of their projects primarily in the outpatient settings, but also in inpatient beds during normal business hours. A scatterbed nursing program within the core carries out study procedures for subjects who cannot be seen in the standard CHPS facilities (e.g., subjects in the intensive care units, operating room, and emergency department).
- The Nutrition Core is comprised of the Nutrition Assessment Unit, which assesses growth, body composition, energy expenditure, bone density, and muscle strength, and the Bionutrition Research Unit, which provides a broad range of nutrition-related research services conducted by research dietitians and diet technicians.
- The Sleep Core provides state-of-the-art research polysomnography and actigraphy, and other related services.
- The Cardiovascular Core conducts cardiac testing services in four subunits that provide most cardiac services available for subjects of any age. The subunits include the Vascular Laboratory Unit, Exercise Physiology Laboratory Unit, Electrocardiographic Laboratory Unit, and Echocardiographic Laboratory Unit.
- The Behavioral Neuroscience Core provides psychological, neuropsychological, and psychiatric research assessments through behavioral consultation services, research testing, and assessments.
- The Ophthalmology Core offers ophthalmological testing services for children for the assessment of visual function and structure.
- The Biostatistical Core provides research study planning, analysis planning, and analytic services.

The Informatics Core conducts database and case report form development, and a variety of services to meet investigators' computing needs.



**Children's Hospital
of Philadelphia**

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