The Center for Human Phenomic Science (CHPS) provides nursing services through the outpatient area, inpatient area and the scatterbed program. The scatterbed program provides nursing support for areas when research subjects cannot come to the CHPS, such as the intensive care units, operating room, and emergency department. Nurses are crossed trained to provide services in any of the three areas. The CHPS at CHOP has three nurses and two medical assistants and a lab technician under the supervision of a nursing coordinator, Audrey Kamrin, RN.

Nursing services available include but are not limited to: vital signs assessment, patient observation including frequent monitoring, real time data collection (observations of patient or equipment connected to patient), drug administration (oral, IV, SQ), patient education, IV insertion, phlebotomy and frequent blood sampling (e.g., for pharmacokinetic studies or glucose tolerance tests).

In the inpatient setting, the nurses perform similar functions, and work with the floor nurses to coordinate research care and provide teaching to the floor staff about the research. The scatterbed nurses perform similar functions on other units and may also help to screen and identify potential research participants as well as go to other locations to collect specimens.