

**Center for Human Phenomic Science (CHPS) Cost Policy for  
The Hospital of the University of Pennsylvania (HUP) and Penn Presbyterian Medical Center (PPMC)  
Effective July 1, 2023**

**\*\*\*RATES ARE SUBJECT TO CHANGE AND ALL STUDIES WILL BE CHARGED CURRENT RATES\*\*\***

**Study budgets should incorporate initiation costs, utilization fees, nursing charges, and fees for additional CHPS services.**

**1. INITIATION COSTS**

Initiation costs are variable based on the intensity of the study and study team needs. This will be charged at the beginning of the study. Changes to an already-approved protocol impacting nursing worksheets, Beacon build, budget, or other documents and/or procedures will incur an amendment fee to be charged at the time of revision.

**2. UTILIZATION FEES**

**INPATIENT at HUP**

**Non-Industry:** No charges.

**Industry:** \$1,626.33 per night. The utilization fee is effective until the Department of Health and Human Services (DHHS) signs a new rate agreement, which occurs annually.

**OUTPATIENT at HUP and PPMC \***

**Non-Industry:** Any visit that does not use CHPS nursing, exercise, or cardiovascular services will be assessed a \$25 fee.

**Industry:** Charges per participant per visit as follows:

**Level:** 0  
**Rate:** \$50  
**Definition:** Up to 30 minutes

**Level:** 1  
**Rate:** \$75  
**Definition:** >30 minutes and < 60 minutes

**Level:** 2  
**Rate:** \$150  
**Definition:** >60 minutes and < 2 hours

**Level:** 3  
**Rate:** \$225  
**Definition:** >2 hours and <5 hours

**Level:** 4  
**Rate:** \$300  
**Definition:** > 5 hours and < 8 hours

**Level:** 5  
**Rate:** \$500  
**Definition:** >8 hours

\* No Show Fees: Any visit not cancelled in the CHPS Scheduler before 24 hours of the scheduled appointment time will be assessed a no-show fee (\$25 for non-industry and \$30 for industry).

### **3. NURSING CHARGES**

#### **INPATIENT\*\* AND OUTPATIENT – Standard Operating Hours**

**Rate:** Non-industry: \$75/Unit Industry: \$100/Unit  
**Definition:** Nursing based on intensity and length of direct nursing care. 1 hour of direct nursing care is equal to 1 unit. \*\* Inpatient visits will be charged a minimum of 6 nursing units per night.

#### **SCATTERSITE**

**Rate:** Non-industry: \$75/Unit Industry: \$100/Unit  
**Definition:** 1 unit is equal to 1 hour off the CHPS unit. The CHPS nurse may be off the CHPS unit for a maximum of two hours per day. Participants must be within the main hospital complex or adjoining clinic site. Any scattersite visit over two hours requires approval from the Nurse Manager and the study team will be charged for the full length of time that the CHPS resources are required. Please contact the Nurse Manager at 215.662.3928 for a feasibility assessment of comprehensive offsite nursing needs.

#### **INPATIENT\*\*, OUTPATIENT AND SCATTERSITE – Weekends and Off-Hour Requests \*\*\***

**Rate:** Non-industry: \$110/Unit Industry: \$145/Unit  
**Definition:** Nursing based on intensity and length of direct nursing care. 1 hour of direct nursing care is equal to 1 unit. \*\*\* Weekend and off-hour outpatient and scattersite requests will be charged for a minimum of 4 hours of nursing including overtime. \*\* Weekend and off-hour Inpatient visits will be charged a minimum of 6 nursing units per night including overtime.

### **4. SAMPLE PROCESSING**

CHPS sample processing charges per participant per visit are as follows:

**Level:** 0  
**Rate:** non-Industry: \$15 Industry: \$20  
**Definition:** Up to 30 minutes

**Level:** 1  
**Rate:** non-Industry: \$30 Industry: \$40  
**Definition:** >30 minutes and < 60 minutes

**Level:** 2  
**Rate:** non-Industry: \$50 Industry: \$65  
**Definition:** >60 minutes and < 2 hours

**Level:** 3  
**Rate:** non-Industry: \$90 Industry: \$120  
**Definition:** >2 hours and <4 hours

**Level:** 4  
**Rate:** non-Industry: \$150 Industry: \$200  
**Definition:** > 4 hours and <6 hours

**Level:** 5  
**Rate:** non-Industry: \$210 Industry: \$280  
**Definition:** > 6 hours

## **LAB USAGE AND FREEZER STORAGE**

### **Lab usage:**

**Rate:** Non-industry: \$25/Study      Industry: \$20/Study/Hour

**Definition:** Study team usage of the CHPS standard lab resources without a same-day participant visit will be assessed a lab usage charge.

### **Freezer Storage Penalty Fee:**

**Rate:** Non-industry: \$25/Study      Industry: \$30/Study

**Definition:** Per the Investigator/Coordinator Agreement, short-term sample storage in CHPS freezers is free for all CHPS users. Any samples left in the freezers beyond the agreed upon length will be assessed a monthly penalty.

## **5. ADVANCED PRACTICE PROCEDURES (PERFORMED BY A NURSE PRACTITIONER)**

<b>History &amp; Physical:</b>	Non-Industry: \$85	Industry: \$110
<b>Physical:</b>	Non-Industry: \$42.50	Industry: \$55
<b>History:</b>	Non-Industry: \$42.50	Industry: \$55
<b>NP Admit/Discharge Services:</b>	Non-Industry: \$85	Industry: \$110 per hour
<b>Tissue Biopsy:</b>	Non-Industry: \$150	Industry: \$190
<b>Other NP Services:</b>	Non-Industry: \$85	Industry: \$110 per hour

**Note:** Scattersite Nurse Practitioner charges include the advanced practice procedure(s) performed as well as Nurse Practitioner time off the CHPS Unit; see Scattersite Nursing Charges above for additional details.

## **6. SUPPLY FEES (Per visit or inpatient day)**

**Basic Usage:** Non-Industry: \$10      Industry: \$12.50

**Definition:** Venipuncture supplies, including less than or equal to 6 CHPS supplied clinical blood draw tubes per participant.

**Moderate Usage:** Non-Industry: \$15      Industry: \$20

**Definition:** IV/Port-a-cath access supplies (up to 2 kits used/attempted), IV tubing and diluent bags, and/or greater than 6 CHPS supplied clinical blood draw tubes per participant.

**Advanced Usage:** Non-Industry: \$25      Industry: \$30

**Definition:** IV/Port-a-cath access supplies (more than 2 kits used/attempted), Equashield, chemo gown/gloves, biopsies, conscious sedation, frequent blood sampling supplies (every 1-to-2-hour sampling).

## **7. ADDITIONAL CHPS SERVICES**

	<b>Non-Industry</b>	<b>Industry</b>	<b>Cost Unit</b>
<b>Bionutrition</b>			
<b>Specialized Meal</b>	\$18	\$22.50	per meal
<b>Specialized Snack</b>	\$6	\$9	per meal
<b>Weighed Meal</b>	\$18	\$22.50	per meal
<b>Weighed Snack</b>	\$6	\$9	per snack
<b>Kinetic Meals</b>	\$150	\$200	20 small meals/participant
<b>Food Array</b>	\$150	\$200	Multi-item meal, additional food costs may apply

<b>24 Hour Recall</b>	\$70	\$90	per participant/per visit
<b>24 Hour Recall with Interpreter</b>	\$120	\$160	per participant/per visit
<b>3 Day Food Record Analysis</b>	\$70	\$90	per participant/per visit
<b>7 Day Food Record Analysis</b>	\$130	\$175	per participant/per visit
<b>10 Day Food Record Analysis</b>	\$150	\$200	per participant/per visit
<b>Oral Fat Tolerance Test (OFTT)</b>	\$10	\$12.50	per participant/per visit
<b>Nutrition Education: 30 min instruction</b>	\$30	\$40	per participant/per visit
<b>1 hr Class</b>	\$60	\$80	per class
<b>1 hr Class after 5 PM</b>	\$150	\$200	per class
<b>Nutrition Consultation with Participant</b>	\$60	\$80	per hour
<b>Class Material Development</b>	\$60	\$80	per hour
<b>Questionnaire Administration (short)</b>	\$30	\$40	per participant/per visit
<b>Questionnaire Administration (long)</b>	\$60	\$80	per participant/per visit
<b>Meal Analysis (short)</b>	\$25	\$30	per analysis
<b>Meal Analysis (long)</b>	\$40	\$50	per analysis
<b>Plan Study Meals/Menu Development</b>	\$70	\$90	per hour
<b>Procure Special Food Items</b>	\$70	\$90	per hour + cost of food
<b>Design &amp; Test Recipes</b>	\$70	\$90	per hour
	<b>Non-Industry</b>	<b>Industry</b>	<b>Cost Unit</b>
<b>Testing</b>			
<b>DXA (PPMC ONLY)</b>	\$105	\$140	per test, includes BMD and body comp.
<b>Resting Energy Expenditure</b>	\$145	\$195	per participant/per visit
<b>Bioelectrical Impedance Analysis (BIA)</b>	\$15	\$20	per test
<b>Anthropometric Measurements</b>	\$15	\$20	per test
<b>Accelerometry and Polar Heart Rate Monitoring ***</b>			
Device Setup	\$20	\$25	per device/per participant (+ shipping costs)
Data Management	\$20	\$25	per device /per download
Device Exchange	\$20	\$25	per device/per participant
Data Analysis	\$20	\$25	per device/per download
	<b>Non-Industry</b>	<b>Industry</b>	<b>Cost Unit</b>
<b>Resting Cardiac Tests</b>			
EKG (acquisition only)	\$50	\$65	per test, single or triplicate 1 min or less apart
EKG – APP Preliminary Interpretation	\$10	\$12.50	per interpretation
Echocardiogram 2D	\$130	\$175	per test
Echocardiogram 2D w/Contrast	\$320	\$430	per test
Echocardiogram 3D	\$150	\$200	per test
Echocardiogram 3D w/Contrast	\$340	\$455	per test
Echocardiogram Interpretation (Resting)	\$80	\$105	per test
Carotid, Femoral, Brachial, Radial	\$40	\$50	per test
Vascular / Echo Measurements, with prior approval	\$30	\$40	per half hour

<b>Treadmill &amp; Supine Bike Testing</b>	<b>Non-Industry</b>	<b>Industry</b>	<b>Cost Unit</b>
Treadmill or Bike Testing without ECG (low risk population)	\$120	\$160	per test
Treadmill or Bike Testing with Stress ECG Monitoring (Sub or Max)	\$200	\$270	per test
Stress ECG Interpretation	\$35	\$50	per test
VO2	\$100	\$135	per test in addition to treadmill or bike test
Echocardiogram during exercise	\$85	\$110	per test in addition to treadmill or bike test
Stress Echo Interpretation (Ischemia or LVOT)	\$85	\$110	per test
Stress Echo Interpretation (Diastolic function primarily)	\$100	\$135	per test
<b>Other Services</b>			
EMU/CPU Consulting	\$50	\$65	per hour/per participant
Equipment usage (PPMC)	\$25	\$30	per hour, certification required + utilization
Functional testing	\$50	\$65	per hour, includes grip strength, SPPB, Balance testing, ROM/Flexibility testing, 6 min walk test
Phone coaching, including documentation	\$50	\$65	per hour

**\*\*\* Device Note:** Investigators will be responsible for reimbursing CHPS for devices lost by participants at a cost of approximately \$250 per device as well as unreturned waist/wrist bands (approximately \$20 per band) and charging cables (approximately \$10 per cable). Devices are due back to the CHPS as soon as wear is complete.

<b>Mhealth Services</b>	<b>Non-Industry</b>	<b>Industry</b>	<b>Cost Unit</b>
Telehealth Visits	\$15	\$20	Per research (nonbillable to insurance) telehealth visit scheduled in Epic
Graphic Design	\$12.50	\$16	per hour
Mobile App Programming	\$12.50	\$16	per hour
Web App Programming	\$12.50	\$16	per hour
Video Design	\$12.50	\$16	per hour
Project Management	\$25	\$32	per hour