

**New FY2016-2017 CRS Research Nursing Rates  
for Budgeting after 6/30/2016**

\* CTSI's contribution include subsidy and 14% administrative cost.

Outpatient Procedure-based Costing Structure						
Procedure	Unit	New Full and Industry Rate 0% Subsidy	CTSI Contribution	Investigators	CTSI Contribution	Investigators
			for budgets approved on or before 6/30/2015	Contribution CRS Budgets approved on or before 6/30/2015 NIH 60% Subsidy	for budgets approved on or after 7/1/2015	Contribution CRS Budgets approved on or after 7/1/2015 NIH 40% Subsidy
Blood / Blood Product Infusion	procedure	\$552.60	\$362.51	\$190.09	\$267.46	\$285.14
Blood Bag Draw up to 500cc	procedure	\$276.30	\$181.25	\$95.05	\$133.73	\$142.57
Bone Biopsy Assistance	procedure	\$103.61	\$67.97	\$35.64	\$50.15	\$53.46
Bronchoscopy Assistance	procedure	\$414.44	\$271.87	\$142.57	\$200.59	\$213.85
Cardiac Monitoring & Lead Placement	procedure	\$138.15	\$90.63	\$47.52	\$66.86	\$71.29
Central Line Access	procedure	\$45.59	\$29.91	\$15.68	\$22.07	\$23.52
Direct Venipuncture < 4 tubes	procedure	\$25.90	\$16.99	\$8.91	\$12.54	\$13.37
Direct Venipuncture > 4 tubes	procedure	\$51.81	\$33.98	\$17.82	\$25.07	\$26.73
ECG (12 Lead): Multiple timepoints, No interpretation	procedure	\$69.42	\$45.54	\$23.88	\$33.60	\$35.82
ECG (12 lead): Single timepoint, No interpretation	procedure	\$34.19	\$22.43	\$11.76	\$16.55	\$17.64
Facility Use (15mins increments)	15 mins	\$9.00	\$5.90	\$3.09	\$4.35	\$4.64
Fat Biopsy Assistance	procedure	\$34.19	\$22.43	\$11.76	\$16.55	\$17.64
Frequent Sample IV Glucose Tolerance Test	procedure	\$552.60	\$362.51	\$190.09	\$267.46	\$285.14
Glomerular Filtration Rate for 3hr Test	test	\$414.45	\$271.88	\$142.57	\$200.59	\$213.86
Glomerular Filtration Rate for 4hr Test	test	\$552.60	\$362.51	\$190.09	\$267.46	\$285.14
Holter Monitor	procedure	\$1,243.32	\$815.62	\$427.70	\$601.77	\$641.55
Ht / Wt / BSA	procedure	\$25.90	\$16.99	\$8.91	\$12.54	\$13.37
Hydration Pre and Post	procedure	\$103.61	\$67.97	\$35.64	\$50.15	\$53.46
Hyperinsulinemic-Euglycemic Clamp	procedure	\$1,105.20	\$725.01	\$380.19	\$534.92	\$570.28
IV Access Complex Pediatric or Dialysis	procedure	\$91.18	\$59.81	\$31.37	\$44.13	\$47.05
IV Access Simple	procedure	\$34.19	\$22.43	\$11.76	\$16.55	\$17.64
IVGTT	procedure	\$276.30	\$181.25	\$95.05	\$133.73	\$142.57
Liver Biopsy Assistance	procedure	\$138.15	\$90.63	\$47.52	\$66.86	\$71.29
Liver Biopsy Assistance	procedure	\$690.75	\$453.13	\$237.62	\$334.32	\$356.43
Lumbar Puncture Assistance	procedure	\$34.19	\$22.43	\$11.76	\$16.55	\$17.64
Medication Administration: IV and/or High-risk meds	procedure	\$276.30	\$181.25	\$95.05	\$133.73	\$142.57
Medication Administration: PO, IM, SQ	procedure	\$103.61	\$67.97	\$35.64	\$50.15	\$53.46
Mediport Access	procedure	\$91.18	\$59.81	\$31.37	\$44.13	\$47.05
Mixed Meal Tolerance -2-hr	procedure	\$207.22	\$135.94	\$71.28	\$100.29	\$106.93
Mixed Meal Tolerance -4 hr	procedure	\$414.44	\$271.87	\$142.57	\$200.59	\$213.85
Moderate Sedation Administration by RN	procedure	\$91.18	\$59.81	\$31.37	\$44.13	\$47.05
Muscle Biopsy Assistance	procedure	\$34.19	\$22.43	\$11.76	\$16.55	\$17.64
Node Biopsy Assistance	procedure	\$207.22	\$135.94	\$71.28	\$100.29	\$106.93
OGTT 2-hour test	test	\$207.22	\$135.94	\$71.28	\$100.29	\$106.93
OGTT 3 hour test	test	\$310.83	\$203.90	\$106.93	\$150.44	\$160.39
Patient Monitoring Post Treatment: >1 medication	hr	\$138.15	\$90.63	\$47.52	\$66.86	\$71.29
Patient Monitoring Post Treatment: 1 medication	hr	\$103.61	\$67.97	\$35.64	\$50.15	\$53.46
Patient Teaching	procedure	\$69.08	\$45.31	\$23.76	\$33.43	\$35.64
PICC Line Access	procedure	\$45.59	\$29.91	\$15.68	\$22.07	\$23.52
PK Serial Blood Testing (per timepoint)	timepoint	\$103.61	\$67.97	\$35.64	\$50.15	\$53.46
POCT (Urine Preg, Blood Glucose, HbA1C-peds)	procedure	\$25.90	\$16.99	\$8.91	\$12.54	\$13.37
PPD Placement and Reading	procedure	\$34.19	\$22.43	\$11.76	\$16.55	\$17.64
Pre Medications for Infusions	procedure	\$51.81	\$33.98	\$17.82	\$25.07	\$26.73
Skin Testing	procedure	\$138.15	\$90.63	\$47.52	\$66.86	\$71.29
Specimen Collection (Special handling procedures and/or patient isolation)	procedure	\$103.61	\$67.97	\$35.64	\$50.15	\$53.46
Specimen Collection (Standard handling)	procedure	\$25.90	\$16.99	\$8.91	\$12.54	\$13.37
Steady State Plasma Glucose	procedure	\$1,381.50	\$906.26	\$475.24	\$668.65	\$712.85
Strict I / O	procedure	\$103.61	\$67.97	\$35.64	\$50.15	\$53.46
Vital Signs : Multiple positions	procedure	\$51.81	\$33.98	\$17.82	\$25.07	\$26.73
Vitals Signs: Single position	procedure	\$25.90	\$16.99	\$8.91	\$12.54	\$13.37

Inpatient Admission Daily Rate						
Procedure	Unit	New Full and Industry Rate 0% Subsidy	CTSI Contribution	Investigators	CTSI Contribution	Investigators
			for budgets approved on or before 6/30/2015	Contribution CRS Budgets approved on or before 6/30/2015 NIH 60% Subsidy	for budgets approved on or after 7/1/2015	Contribution CRS Budgets approved on or after 7/1/2015 NIH 40% Subsidy
Low Intensity	per day	\$2,486.64	\$1,631.24	\$855.40	\$1,203.53	\$1,283.11
Moderate Intensity	per day	\$3,315.60	\$2,175.03	\$1,140.57	\$1,604.75	\$1,710.85
High Intensity	per day	\$6,631.20	\$4,350.07	\$2,281.13	\$3,209.50	\$3,421.70

New FY2016-2017 CRS Research Mobile Nursing Rates  
for Budgeting after 6/30/2016

\* CTSI's contribution include subsidy and 14% administrative cost.

Procedure	Unit	New Full and Industry Rate 0% Subsidy	CTSI	Investigators	CTSI Contribution for budgets approved on or after 7/1/2015	Investigators
			Contribution for budgets approved on or before 6/30/2015	Contribution CRS Budgets approved on or before 6/30/2015 NIH 60% Subsidy		Contribution CRS Budgets approved on or after 7/1/2015 NIH 40% Subsidy
Blood / Blood Product Infusion	procedure	\$1,657.80	\$1,087.52	\$570.28	\$802.38	\$855.42
Blood Bag Draw up to 500cc	procedure	\$414.45	\$271.88	\$142.57	\$200.59	\$213.86
Bone Biospy Assistance	procedure	\$414.45	\$271.88	\$142.57	\$200.59	\$213.86
Bronchoscopy Assistance	procedure	\$1,657.80	\$1,087.52	\$570.28	\$802.38	\$855.42
Cardiac Monitoring & Lead Placement	procedure	\$414.45	\$271.88	\$142.57	\$200.59	\$213.86
Central Line Access	procedure	\$136.77	\$89.72	\$47.05	\$66.20	\$70.57
Direct Venipuncture < 4 tubes	procedure	\$103.61	\$67.97	\$35.64	\$50.15	\$53.46
Direct Venipuncture > 4 tubes	procedure	\$207.23	\$135.94	\$71.29	\$100.30	\$106.93
ECG (12 Lead): Multiple timepoints, No interpretation	procedure	\$277.68	\$182.16	\$95.52	\$134.40	\$143.28
ECG (12 lead): Single timepoint, No interpretation	procedure	\$136.77	\$89.72	\$47.05	\$66.20	\$70.57
Fat Biopsy Assistance	procedure	\$136.77	\$89.72	\$47.05	\$66.20	\$70.57
Frequent Sample IV Glucose Tolerance Test	procedure	\$1,657.80	\$1,087.52	\$570.28	\$802.38	\$855.42
Glomerular Filtration Rate for 3hr Test	test	\$1,243.35	\$815.64	\$427.71	\$601.78	\$641.57
Glomerular Filtration Rate for 4hr Test	test	\$1,657.80	\$1,087.52	\$570.28	\$802.38	\$855.42
Holter Monitor	procedure	\$4,973.40	\$3,262.55	\$1,710.85	\$2,407.13	\$2,566.27
Ht / Wt / BSA	procedure	\$103.61	\$67.97	\$35.64	\$50.15	\$53.46
Hydration Pre and Post	procedure	\$414.45	\$271.88	\$142.57	\$200.59	\$213.86
Hyperinsulinemic-Euglycemic Clamp	procedure	\$1,657.80	\$1,087.52	\$570.28	\$802.38	\$855.42
IV Access Complex Pediatric or Dialysis	procedure	\$136.77	\$89.72	\$47.05	\$66.20	\$70.57
IV Access Simple	procedure	\$136.77	\$89.72	\$47.05	\$66.20	\$70.57
IVGTT	procedure	\$414.45	\$271.88	\$142.57	\$200.59	\$213.86
Liver Biopsy Assistance	procedure	\$414.45	\$271.88	\$142.57	\$200.59	\$213.86
Liver Biopsy Assistance	procedure	\$2,072.25	\$1,359.40	\$712.85	\$1,002.97	\$1,069.28
Lumbar Puncture Assistance	procedure	\$136.77	\$89.72	\$47.05	\$66.20	\$70.57
Medication Administration: IV and/or High-risk meds	procedure	\$828.90	\$543.76	\$285.14	\$401.19	\$427.71
Medication Administration: PO, IM, SQ	procedure	\$414.45	\$271.88	\$142.57	\$200.59	\$213.86
Mediport Access	procedure	\$136.77	\$89.72	\$47.05	\$66.20	\$70.57
Mixed Meal Tolerance -2-hr	procedure	\$828.90	\$543.76	\$285.14	\$401.19	\$427.71
Mixed Meal Tolerance -4 hr	procedure	\$1,657.80	\$1,087.52	\$570.28	\$802.38	\$855.42
Moderate Sedation Administration by RN	procedure	\$136.77	\$89.72	\$47.05	\$66.20	\$70.57
Muscle Biopsy Assistance	procedure	\$136.77	\$89.72	\$47.05	\$66.20	\$70.57
Node Biopsy Assistance	procedure	\$828.90	\$543.76	\$285.14	\$401.19	\$427.71
OGTT 2-hour test	test	\$828.90	\$543.76	\$285.14	\$401.19	\$427.71
OGTT 3 hour test	test	\$1,243.35	\$815.64	\$427.71	\$601.78	\$641.57
Patient Monitoring Post Treatment: >1 medication	hr	\$414.45	\$271.88	\$142.57	\$200.59	\$213.86
Patient Monitoring Post Treatment: 1 medication	hr	\$414.45	\$271.88	\$142.57	\$200.59	\$213.86
Patient Teaching	procedure	\$207.23	\$135.94	\$71.29	\$100.30	\$106.93
PICC Line Access	procedure	\$136.77	\$89.72	\$47.05	\$66.20	\$70.57
PK Serial Blood Testing (per timepoint)	timepoint	\$414.45	\$271.88	\$142.57	\$200.59	\$213.86
POCT (Urine Preg, Blood Glucose, HbA1C-peds)	procedure	\$103.61	\$67.97	\$35.64	\$50.15	\$53.46
PPD Placement and Reading	procedure	\$136.77	\$89.72	\$47.05	\$66.20	\$70.57
Pre Medications for Infusions	procedure	\$207.23	\$135.94	\$71.29	\$100.30	\$106.93
Skin Testing	procedure	\$414.45	\$271.88	\$142.57	\$200.59	\$213.86
Specimen Collection (Special handling procedures and/or patient isolation)	procedure	\$414.45	\$271.88	\$142.57	\$200.59	\$213.86
Specimen Collection (Standard handling)	procedure	\$103.61	\$67.97	\$35.64	\$50.15	\$53.46
Steady State Plasma Glucose	procedure	\$2,072.25	\$1,359.40	\$712.85	\$1,002.97	\$1,069.28
Strict I / O	procedure	\$414.45	\$271.88	\$142.57	\$200.59	\$213.86
Vital Signs : Multiple positions	procedure	\$207.23	\$135.94	\$71.29	\$100.30	\$106.93
Vitals Signs: Single position	procedure	\$103.61	\$67.97	\$35.64	\$50.15	\$53.46

**New FY2016-2017 CRS Sample Processing  
for Budgeting after 6/30/2016**

\* CTSI's contribution include subsidy and 14% administrative cost.

<u>Procedure</u>	<u>Unit</u>	<u>New Full and Industry Rate 0% Subsidy</u>	<u>CTSI Contribution for budgets approved on or before 6/30/2015</u>	<u>Investigators Contribution CRS Budgets approved on or before 6/30/2015 NIH 60% Subsidy</u>	<u>CTSI Contribution for budgets approved on or after 7/1/2015</u>	<u>Investigators Contribution CRS Budgets approved on or after 7/1/2015 NIH 40% Subsidy</u>
Serum or Plasma, processing and aliquoting	per tube	\$20.31	\$13.32	\$6.99	\$9.83	\$10.48
Whole Blood, send-outs (Quest, DNA Bank, etc.)	per tube	\$5.30	\$3.48	\$1.82	\$2.57	\$2.74
Urine Processing and Aliquoting	per tube	\$16.07	\$10.54	\$5.53	\$7.78	\$8.29
Saliva Processing and Aliquoting	per tube	\$17.79	\$11.67	\$6.12	\$8.61	\$9.18
CSF Processing and Aliquoting	per tube	\$15.20	\$9.97	\$5.23	\$7.36	\$7.84
Non-Routine processing - 11 or more aliquots	per tube	\$18.33	\$12.02	\$6.30	\$8.87	\$9.46
Sample storage, freezer or refrigerator	per vial/per mo	\$0.76	\$0.50	\$0.26	\$0.37	\$0.39
Sample storage, liquid nitrogen	per vial/per mo	\$2.03	\$1.33	\$0.70	\$0.98	\$1.05
Shipment, ambient or cold packs	per box	\$5.83	\$3.82	\$2.00	\$2.82	\$3.01
PBMC Isolation (21-40mL)	per tube	\$182.41	\$119.66	\$62.75	\$88.29	\$94.12
Custom processing	per hour	\$69.83	\$45.81	\$24.02	\$33.80	\$36.03
Amiotic Fluid	per tube	\$23.72	\$15.56	\$8.16	\$11.48	\$12.24
Stool	per tube	\$6.78	\$4.45	\$2.33	\$3.28	\$3.50
Buccal	per tube	\$6.78	\$4.45	\$2.33	\$3.28	\$3.50
Biopsy	per tube	\$6.78	\$4.45	\$2.33	\$3.28	\$3.50
Data Management	per hour	\$37.08	\$24.33	\$12.76	\$17.95	\$19.13

**New FY2016-2017 CRS Body Comp & Exerise Testing Recharge Rate  
for Budgeting after 6/30/2016**

\* CTSI's contribution include subsidy and 14% administrative cost.

<u>Procedure</u>	<u>Unit</u>	<u>New Full and Industry Rate 0% Subsidy</u>	<u>CTSI Contribution for budgets approved on or before 6/30/2015</u>	<u>Investigators Contribution CRS Budgets approved on or before 6/30/2015 NIH 60% Subsidy</u>	<u>CTSI Contribution for budgets approved on or after 7/1/2015</u>	<u>Investigators Contribution CRS Budgets approved on or after 7/1/2015 NIH 40% Subsidy</u>
<b>BODY COMPOSITION/BONE DENSITY BY DXA (e.g. whole body or hip or spine or forearm, Includes routine analysis and report preparation)</b>						
DXA 1 scan per visit	per scan	\$68.62	\$45.01	\$23.61	\$33.21	\$35.41
DXA 2 scans per visit	per scan	\$102.93	\$67.52	\$35.41	\$49.82	\$53.11
DXA 3 scans per visit	per scan	\$137.24	\$90.03	\$47.21	\$66.42	\$70.82
DXA per scan >3	per scan	\$34.31	\$22.51	\$11.80	\$16.61	\$17.70
DXA Infant 1 scan per visit	per scan	\$137.24	\$90.03	\$47.21	\$66.42	\$70.82
DXA Infant 2 scan per visit	per scan	\$205.86	\$135.04	\$70.82	\$99.64	\$106.22
DXA Infant per scan >3 per visit	per scan	\$68.62	\$45.01	\$23.61	\$33.21	\$35.41
* Note: For all DXA testing, prices do not include sponsor-specified calibration and OA/QC requirements						
<b>OTHER BODY COMPOSITION</b>						
Bioimpedance (single or multifrequency) including callbration, data analysis, and report	per scan	\$34.31	\$22.51	\$11.80	\$16.61	\$17.70
Anthropometry. Waist/hip circumferences only	per scan	\$34.31	\$22.51	\$11.80	\$16.61	\$17.70
Anthropometry. Full set of skinfolds and circumferences	per scan	\$68.62	\$45.01	\$23.61	\$33.21	\$35.41
Anthropometry Fit 3D Scan	per scan	\$34.31	\$22.51	\$11.80	\$16.61	\$17.70
BodPod (air displacement plethysmography)	per scan	\$68.62	\$45.01	\$23.61	\$33.21	\$35.41
<b>EXERCISE/PHYSICAL FUNCTION TESTING (2 CRS personnel required for Treadmill and Cycle Egrometer tests)</b>						
Treadmill or Cycle Ergometer test w/ECG (no VO2)	per test	\$94.15	\$61.76	\$32.39	\$45.57	\$48.58
Treadmill or Cycle Ergometer test w/VO2 (no ECG)	per test	\$141.23	\$92.64	\$48.58	\$68.35	\$72.87
Treadmill or Cycle Ergometer test w/ECG and VO2	per test	\$188.30	\$123.52	\$64.78	\$91.14	\$97.16
Biodex (each position)	per test	\$23.54	\$15.44	\$8.10	\$11.39	\$12.15
6-minute walk test	per test	\$32.01	\$21.00	\$11.01	\$15.49	\$16.52
4M gait speed	per test	\$32.01	\$21.00	\$11.01	\$15.49	\$16.52
Stair climb (routine)	per test	\$32.01	\$21.00	\$11.01	\$15.49	\$16.52
Grip strength	per test	\$32.01	\$21.00	\$11.01	\$15.49	\$16.52
Short Physical Performance Battery (SPPB)	per test	\$47.08	\$30.88	\$16.19	\$22.78	\$24.29
Spirometry (routine)	per test	\$47.08	\$30.88	\$16.19	\$22.78	\$24.29
Spirometry (complex)	per test	\$94.15	\$61.76	\$32.39	\$45.57	\$48.58
<b>OTHER METABOLIC MEASUREMENTS</b>						
Resting energy expenditure (indirect calorimetry)	per test	\$94.15	\$61.76	\$32.39	\$45.57	\$48.58
Use of lab space/equipment (by special arrangement)**	per hour	\$94.15	\$61.76	\$32.39	\$45.57	\$48.58

\*\*Note: Use of lab equipment by PI's personnel allowed only after specific training and certification