



## 2018 Cardiac Catheterization Survey

### Part A : General Information

#### 1. Identification

UID:HOSP706

**Facility Name:** Emory University Hospital

**County:** DeKalb

**Street Address:** 1364 Clifton Road, NE

**City:** Atlanta

**Zip:** 30322

**Mailing Address:** 1364 Clifton Road, NE

**Mailing City:** Atlanta

**Mailing Zip:** 30322-1061

**Medicare Provider Number:** 110010

**Medicaid Provider Number:** 00000712

#### 2. Report Period

Report Data for the full twelve month period, January 1, 2018 - December 31, 2018 (365 days).  
***Do not use a different report period.***

Check the box to the right if your facility was **not** operational for the entire year.

If your facility was **not** operational for the entire year, provide the dates the facility was operational.

### Part B : Survey Contact Information

*Person authorized to respond to inquiries about the responses to this survey.*

**Contact Name:** Catherine Maloney

**Contact Title:** VP of Operations

**Phone:** 404-712-5529

**Fax:** 404-686-8535

**E-mail:** catherine.maloney@emoryhealthcare.org

## Part C : Catheterization Services Utilization

### 1A. Number of Cardiac Catheterization Services Labs or Rooms

Please report the total number of Cardiac Catheterization services labs or rooms. Include all labs or rooms that are authorized to provide cardiac catheterizations pursuant to Rule 111-2-2-21. Include both general purpose and dedicated rooms or labs.

5

### 1B. Room Detail

Please provide details on each of the labs or rooms reported in 1A above. Report each lab or room on a separate row. The name of the lab or room should be the name used in your facility.

Room Name	Operational Date	Dedicated Room?	# Cath Procedures	If Dedicated What Type?
Lab 1	12/17/1999	No	946	
Lab 2	8/14/2001	No	624	
Lab 3	5/31/1996	No	1,097	
Lab 4	1/30/1997	No	844	
Lab 5	1/1/1992	No	15	

### 1C. Other Rooms

If your facility has other rooms that are equipped and capable of performing a cardiac catheterization (other than what is preorted in Part C, Q1 A and B above) please indicate the number of those other rooms below.

## 2. Cardiac Catheterization by Procedure Type

Report by age and procedure type the total number of cardiac catheterization procedures performed during the report year in the cardiac catheterization rooms reported in question #1 above. Report actual cardiac cath procedures performed by the categories provided. Do not report cardiac catheterization sessions, but the procedures. Please refer to the definitions of procedure and session in the instructions.

### 2A. Therapeutic Cardiac Catheterizations

Therapeutic Cardiac Catheterizations	Ages 0-14	Ages 15+	Total
PCI balloon angioplasty procedures	0	66	66
PCI procedures utilizing drug eluting stent	0	705	705
PCI procedures utilizing non drug eluting stent	0	14	14
Rotational Atherectomy	0	74	74
Directional Atherectomy	0	0	0
Laser Atherectomy	0	0	0
Excisional Atherectomy	0	0	0
Use of Cutting Balloon	0	0	0
Closure or patent ductus areriosus > 28 days, by card. cath.	0	38	38
Closure or patent ductus arteriosus < 28 days, by card. cath.	0	0	0
	0	0	0

<b>Total</b>	<b>0</b>	<b>897</b>	<b>897</b>
--------------	----------	------------	------------

## **2B.1 Diagnostic Cardiac Catheterizations**

<b>Diagnostic Cardiac Catheterizations</b>	<b>Ages 0-14</b>	<b>Ages 15+</b>	<b>Total</b>
Left Heart Diagnostic Cardiac Catheterizations	0	2,146	2,146
Right Heart Diagnostic Cardiac Catheterizations	0	483	483
<b>Total Diagnostic Cardiac Catheterization Procedures</b>	<b>0</b>	<b>2,629</b>	<b>2,629</b>
<b>Grand Total (All Cardiac Catheterization Procedures)</b>	<b>0</b>	<b>3,526</b>	<b>3,526</b>

## **2B.2 Left Heart Cardiac Catheterization Details**

Report the number of diagnostic left heart cardiac catheterizations that were not followed by a therapeutic cardiac cath procedure and then provide the number that were followed by PCI in the same sitting.

<b>Left Heart Diagnostic Cardiac Catheterization Details</b>	<b>Ages 0-14</b>	<b>Ages 15+</b>	<b>Total</b>
Left Heart Diagnostic Cardiac Cath Only (without PCI)	0	1,394	1,394
Left Heart Diagnostic Cardiac Cath Followed by PCI	0	752	752

## **2C. Peripheral Catheterization by Patient Type**

Report the total number of peripheral catheterization procedures.

<b>Ages 0-14</b>	<b>Ages 15+</b>	<b>Total</b>
0	203	203

## **2D. Major Coronary Circulation Vessels Treated per Patient**

Report the number of major coronary circulation vessels treated per patient by therapeutic cardiac catheterizations.

<b>PCI Type</b>	<b>1 Vessel</b>	<b>2 Vessels</b>	<b>3 Vessels</b>	<b>4 Vessels</b>	<b>Total</b>
PCI balloon angioplasty and/or stent	569	193	40	10	812
All other types of PCI (e.g. laser, etc.)	84	1	0	0	85
<b>Total</b>	<b>653</b>	<b>194</b>	<b>40</b>	<b>10</b>	<b>897</b>

## **2E. Cardiac Catheterization Sessions**

Report by patient type and procedure type the total number of inpatient and outpatient cardiac catheterization sessions performed during the report year.

<b>Cardiac Catheterizations by Patient Type</b>	<b>Ages 0-14</b>	<b>Ages 15+</b>	<b>Total</b>
Inpatient Diagnostic Cardiac Catheterizations	0	985	985
Outpatient Diagnostic Cardiac Catheterizations	0	1,644	1,644
Inpatient Therapeutic Cardiac Catheterizations	0	460	460
Outpatient Therapeutic Cardiac Catheterizations	0	437	437
<b>Total</b>	<b>0</b>	<b>3,526</b>	<b>3,526</b>

### **3A. Other Procedures Performed During Cardiac Catheterization Session**

Report by age of patient and procedure type the total number of non-cardiac catheterization procedures that were performed during the cardiac catheterization session. Report by procedure code and procedure description.

Procedure Code	Procedure Description	Ages 0-14	Ages 15+	Total
----------------	-----------------------	-----------	----------	-------

### **3B. Non-Cardiac Catheterization in Cardiac Catheterization Facilities**

Report by age and procedure type the total number of catheterization procedures, other than cardiac catheterizations, performed during the report year that were performed in the authorized cardiac catheterization labs or rooms reported in Part C Question 1A.

Procedure Type	Ages 0-14	Ages 15+	Total
Electrophysiologic Studies	0	0	0
Pacemaker Insertions	0	0	0
Angiograms/Venograms	0	172	172
Angioplasty	0	65	65
Stents	0	35	35
Thrombolysis Procedures	0	6	6
Embolizations	0	11	11
Venocava filter insertions	0	0	0
Biliary/Nephrostomy	0	0	0
Perm cath/pic line placements	0	0	0
TAVR/TAVI	0	165	0
	0	0	0
	0	0	0
<b>Total</b>	<b>0</b>	<b>454</b>	<b>454</b>

### **3C. Non-Cardiac Catheterization Procedures Performed in Other Rooms**

Report by age and procedure type the total number of catheterization procedures, other than cardiac catheterizations, performed during the report year that were performed in any other room that is equipped and capable of performing cardiac catheterization reported in Part C Question 1C.

Procedure Type	Ages 0-14	Ages 15+	Total
Electrophysiologic Studies	0	0	0
Pacemaker Insertions	0	0	0
Angiograms/Venograms	0	0	0
Angioplasty	0	0	0
Stents	0	0	0
Thrombolysis Procedures	0	0	0
Embolizations	0	0	0
Venocava filter insertions	0	0	0
Biliary/Nephrostomy	0	0	0
Perm cath/pic line placements	0	0	0

	0	0	0
	0	0	0
	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>

**3D. Medical Specialties**

List all of the medical specialties of the physicians performing non-cardiac catheterization procedures listed in 3B or 3C.

**4. Cardiac Catheterization Patients by Race/Ethnicity**

Please report the number who recieved one or more cardiac catheterization procedures during the report period using the race and ethnicity categories provided. Please report patients as unduplicated. A patient should be counted once only.

Race/Ethnicity	Number of Patients
American Indian/Alaska Native	18
Asian	70
Black/African American	989
Hispanic/Latino	0
Pacific Islander/Hawaiian	4
White	1,750
Multi-Racial	136
<b>Total</b>	<b>2,967</b>

**5. Cardiac Catheterization Patients by Gender**

Please report the number of cardiac catheterization patients by gender served during the report period. Count a patient only once for an unduplicated patient count.

Gender	Number of Patients
Male	1,803
Female	1,164
<b>Total</b>	<b>2,967</b>

## Part D : Charges

### 1. Average Total Charge and Average Actual Reimbursement

If applicable, report the average total charge from admission to discharge (excluding Medicare outliers) for each of the following DRGs and report the average actual reimbursement for each DRG received from Medicare, Medicaid and all third parties (excluding individual self-payors, indigents and those payors whose charge was 'written off'). Please note that Average Total Charges, the number of cases used in the average, and the average reimbursement should be for services provided within authorized cardiac catheterization labs.

Selected DRGs Diseases/Disorders of the Circulatory System	Average Total Inpatient Charge in Lab	Cases Included in Calculation of Average	Actual Hospital Total Cases	Average Reimbursement in Lab
Major Cardiovascular Procedures w/CC(MS-DRG 268-272)	174,190	36	195	52,720
Cds w/AMI and CV Complication, Discharged Alive (MS-DRG 280)	58,580	22	83	14,629
Cds w/AMI w/o CV Complication, Discharged Alive (MS-DRG 281 & 282)	31,100	46	88	8,570
Cds except AMI w/Cardiac Cath and Complex Diagnosis (MS-DRG 286)	91,067	150	151	31,314
Cds except AMI w/Cardiac Cath and Complex Diagnosis (MS-DRG 287)	35,567	158	158	10,572
Heart Failure and Shock (MS-DRG 291, 292, 293)	68,073	5	708	12,446
Peripheral Vascular Disorders w/CC (MS-DRG 299)	25,216	1	63	19,121
Cardiac arrhythmia and conduction disorders w/CC (MS-DRG 308)	22,556	1	102	7,649
Angina Pectoris (MS-DRG 311)	0	0	5	0

### 2. Mean, Median and Range of Total Charges

Where applicable, report the mean, median and range of total charges for all cases for which each of the following ICD-9-CM codes was the principal procedure.

#### Dilation of Coronary Artery, One Artery

(ICD-10 Codes: 02703ZZ, 02704ZZ, 02703DZ; CPT Codes: 92920, 92928)

Patient Category	Mean	Median	Range Low	Range High	# of Cases Included in Calculations
Inpatient	\$53,216	\$43,721	\$30,429	\$141,825	12
Outpatient	\$0	\$0	\$0	\$0	0

#### Measurement of Cardiac Sampling and Pressure, Left Heart, Percutaneous Approach

(ICD-10 Code: 4A023N7; CPT Codes: 93452, 93458, 93459)

Patient Category	Mean	Median	Range Low	Range High	# of Cases Included in Calculations
Inpatient	\$41,912	\$33,746	\$13,774	\$217,807	234
Outpatient	\$27,050	\$27,454	\$4,103	\$39,225	9

### 3. Total Charges and Actual Reimbursement for Cardiac Catheterization Services

Please report the total charges and actual reimbursement received for cardiac catheterization services provided during the report period.

Total Charges	Actual Reimbursement
\$243,249,805	\$87,008,066

**4. Total Uncompensated Charges for Cardiac Catheterization Services**

Please report the total uncompensated charges for cardiac catheterization services provided to patients that qualified as indigent or charity care cases where the facility did not receive any compensation.

Total Uncompensated Charges	Total Uncompensated I/C Patients
\$6,596,620	178

**5. Adjusted Gross Revenue for Cardiac Catheterization Services**

Please report the Adjusted Gross Revenue for cardiac catheterization services provided during the report period.

Adjusted Gross Revenue
\$143,848,518

**6. Primary Payment Source**

Please report the total number of unduplicated cardiac catheterization patients, procedures, total charges and reimbursement by the patient's PRIMARY payer source. Report Peachcare for Kids patients with Third-Party. Then also provide the number of unduplicated patients, procedures, charges and reimbursement for patients who were qualified as Indigent or Charity Care cases. Patients do not have to balance or be unduplicated between two tables.

	Primary Payment Source				I/C Care Account
	Medicare	Medicaid	3rd Party (Including Peachcare)	Individual Self-Pay	
Number of Cardiac Catheterization Patients (unduplicated)	1,692	158	1,021	96	178
Number of Procedures Billed	0	0	0	0	0
Number of Procedures Not Billed or Written Off	0	0	0	0	0
Total Charges	\$133,189,841	\$19,859,703	\$81,933,013	\$8,267,248	\$6,596,620
Actual Reimbursement	\$36,053,217	\$5,039,343	\$45,848,329	\$67,177	\$2,197,829

**Part E : Peer Review, Joint Commission Accreditation, OHS Referrals and Treatment Complicat**

1. Check the box to the right if your program/facility participates in an external or national peer review and outcomes reporting system.

*If you indicated yes above, please provide the name(s) of the peer review/outcomes reporting organization(s) below.*

Vizient - University Healthcare Consortium, American College of Cardiology, TVL

2. Check the box to the right if your program/facility is Joint Commission ac  credited.

Enter your accreditation category in the space below.

Accredited

3. How many community education programs has your program/facility participated in during the reporting period?

10



#### 4. OHSS Referrals

If your facility referred patients for open heart surgery services (regardless of whether your facility does or does not provide OHSS), please list the hospital(s) to which patients have been referred and the number referred. If your facility referred patients to out-of-state providers please select the state from the pull-down menu.

Referral Hospital	Number of Referrals
	0

#### 5. Cardiac Catheterization Treatment Session Complications

Please provide the number of both inpatient and outpatient therapeutic and diagnostic cardiac catheterization sessions which encountered or resulted in major and/or minor complications. (Total therapeutic and total diagnostic catheterization sessions are provided based on what was reported in Part C, Question 2B). Please refer to the instructions for guidelines regarding major versus minor classifications. Report complications occurring during the procedures or before discharge.

Cardiac Catheterization Category	Total Cath Sessions from Part C	Major Complications	Minor Complications	Total Complications
Therapeutic Cardiac Catheterizations Inpatient and Outpatient	897	6	10	16
Diagnostic Cardiac Catheterizations Inpatient and Outpatient	2,629	0	0	0
<b>Total</b>	<b>3,526</b>	<b>6</b>	<b>10</b>	<b>16</b>

### Part F : Patient Origin 2018

Please report the number of cardiac catheterization patients by county and age category. The total number of patients reported here must balance to the totals reported in Part C, Questions 4 and 5.

County	Patients 0-14	Patients 15+	Total
Alabama	0	84	84
Appling	0	1	1
Atkinson	0	2	2
Bacon	0	1	1
Baldwin	0	4	4
Banks	0	1	1
White	0	7	7
Barrow	0	10	10
Bartow	0	23	23
Ben Hill	0	5	5
Berrien	0	8	8
Bibb	0	44	44
Bleckley	0	3	3
Brantley	0	2	2

Brooks	0	2	2
Bryan	0	2	2
Bulloch	0	7	7
Burke	0	1	1
Butts	0	13	13
Calhoun	0	0	0
Camden	0	1	1
Candler	0	0	0
Carroll	0	84	84
Catoosa	0	6	6
Charlton	0	0	0
Chatham	0	22	22
Chattahoochee	0	0	0
Chattooga	0	3	3
Cherokee	0	33	33
Clarke	0	15	15
Clay	0	0	0
Clayton	0	65	65
Clinch	0	0	0
Cobb	0	152	152
Coffee	0	8	8
Colquitt	0	1	1
Columbia	0	17	17
Cook	0	5	5
Coweta	0	32	32
Crawford	0	0	0
Crisp	0	6	6
Dade	0	1	1
Dawson	0	3	3
Decatur	0	0	0
DeKalb	0	625	625
Dodge	0	1	1
Dooly	0	1	1
Dougherty	0	19	19
Douglas	0	39	39
Early	0	1	1
Effingham	0	3	3
Elbert	0	4	4
Emanuel	0	2	2
Evans	0	9	9
Fannin	0	5	5
Fayette	0	26	26
Florida	0	30	30
Floyd	0	20	20

Forsyth	0	27	27
Franklin	0	14	14
Fulton	0	271	271
Gilmer	0	2	2
Glascocock	0	1	1
Glynn	0	6	6
Gordon	0	8	8
Grady	0	2	2
Greene	0	5	5
Gwinnett	0	221	221
Habersham	0	6	6
Hall	0	22	22
Hancock	0	2	2
Haralson	0	16	16
Harris	0	10	10
Hart	0	12	12
Heard	0	3	3
Henry	0	71	71
Houston	0	31	31
Irwin	0	2	2
Jackson	0	25	25
Jasper	0	1	1
Jeff Davis	0	3	3
Jefferson	0	3	3
Jenkins	0	0	0
Johnson	0	2	2
Jones	0	6	6
Lamar	0	2	2
McDuffie	0	0	0
Marion	0	4	4
Madison	0	6	6
Lanier	0	0	0
Laurens	0	11	11
Lee	0	7	7
Lincoln	0	0	0
Long	0	0	0
Lumpkin	0	0	0
Macon	0	0	0
Monroe	0	5	5
Mitchell	0	2	2
Miller	0	1	1
Meriwether	0	14	14
McIntosh	0	1	1
Montgomery	0	2	2

Morgan	0	8	8
Murray	0	18	18
Muscogee	0	38	38
Newton	0	62	62
North Carolina	0	24	24
Oconee	0	6	6
Oglethorpe	0	4	4
Other- Out of State	0	43	43
Paulding	0	16	16
Peach	0	5	5
Pickens	0	4	4
Pierce	0	3	3
Lowndes	0	14	14
Pike	0	5	5
Polk	0	11	11
Pulaski	0	4	4
Putnam	0	11	11
Quitman	0	0	0
Rabun	0	4	4
Randolph	0	2	2
Richmond	0	19	19
Rockdale	0	70	70
Schley	0	0	0
Screven	0	0	0
Seminole	0	0	0
South Carolina	0	63	63
Spalding	0	8	8
Stephens	0	13	13
Stewart	0	1	1
Sumter	0	8	8
Talbot	0	1	1
Taliaferro	0	0	0
Tattnall	0	1	1
Taylor	0	2	2
Telfair	0	3	3
Tennessee	0	24	24
Terrell	0	1	1
Thomas	0	6	6
Tift	0	14	14
Toombs	0	1	1
Towns	0	5	5
Treutlen	0	0	0
Troup	0	22	22
Turner	0	9	9

Twiggs	0	1	1
Union	0	1	1
Upton	0	10	10
Walker	0	4	4
Walton	0	47	47
Ware	0	3	3
Warren	0	3	3
Washington	0	2	2
Wayne	0	1	1
Webster	0	1	1
Wheeler	0	1	1
Whitfield	0	47	47
Wilcox	0	3	3
Wilkes	0	0	0
Wilkinson	0	1	1
Worth	0	3	3
<b>Total Patients</b>	<b>0</b>	<b>2,967</b>	<b>2,967</b>

## Part G : Comments

Please enter below any comments and suggestions that you have about this survey.

## Electronic Signature

Please note that the survey WILL NOT BE ACCEPTED without the authorized signature of the Chief Executive Officer or Executive Director (principal officer) of the facility. The signature can be completed only AFTER all survey data has been finalized. By law, the signatory is attesting under penalty of law that the information is accurate and complete.

I state, certify and attest that to the best of my knowledge upon conducting due diligence to assure the accuracy and completeness of all data, and based upon my affirmative review of the entire completed survey, this completed survey contains no untrue statement or inaccurate data, nor omits requested material, information or data. I further state, certify and attest that I have reviewed the entire contents of the completed survey with all appropriate staff of the facility. I understand that inaccurate, incomplete or omitted data could lead to sanctions against me or my facility. I further understand that a typed version of my name is being accepted as my original signature pursuant to the Georgia Electronic Records and Signature Act.

Authorized Signature: Bryce Gartland

Title: CEO, Emory University Hospital

Date: 8/5/2019

Comments: