



2008 Cardiac Catheterization Survey

Part A : General Information

1. Identification

UID:hosp703

Facility Name: Memorial Health University Medical Center

County: Chatham

Street Address: 4700 Waters Avenue

City: Savannah

Zip: 31404

Mailing Address: P O Box 23089

Mailing City: Savannah

Mailing Zip: 31403-8089

Medicare Provider Number: 110036

Medicaid Provider Number: 00001273

2. Report Period

Report Data for the full twelve month period, January 1, 2008 - December 31, 2008 (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: Margaret Gill

Contact Title: Chief Operations Officer

Phone: 912-350-8518

Fax: 912-350-8126

E-mail: GillMa1@memorialhealth.com

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.

1B. Room Details

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? |
|-----------------|------------------|-----------------|-------------------|-------------------------|
| CATH LAB ROOM 1 | 4/1/1999 | No | 1,260 | |
| CATH LAB ROOM 2 | 7/1/1999 | No | 557 | |
| ANGIO SWING LAB | 12/12/2005 | No | 5 | |

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.

0

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 | 135 | 135 |
| PCI procedures utilizing drug eluting stent | 0 | 264 | 264 |
| PCI procedures utilizing non drug eluting stent | 0 | 249 | 249 |
| Rotational Atherectomy | 0 | 5 | 5 |
| Directional Atherectomy | 0 | 0 | 0 |
| Laser Atherectomy | 0 | 0 | 0 |
| Excisional Atherectomy | 0 | 0 | 0 |
| Use of Cutting Balloon | 0 | 10 | 10 |
| Closure or patent ductus areriosus > 28 days, by card. cath. | 0 | 0 | 0 |
| Closure or patent ductus arteriosus < 28 days, by card. cath. | 0 | 0 | 0 |
| 06/08/2009 03:16:30 | 0 | 0 | 0 |
| Total | 0 | 663 | 663 |

2B.1 Diagnostic Cardiac Catheterizations

| Diagnostic Cardiac Catheterizations | Ages 0-14 | Ages 15+ | Total |
|---|------------------|-----------------|--------------|
| Left Heart Diagnostic Cardiac Catheterizations | 0 | 1,721 | 1,721 |
| Right Heart Diagnostic Cardiac Catheterizations | 0 | 98 | 98 |
| Total Diagnostic Cardiac Catheterization Procedures | 0 | 1,819 | 1,819 |
| Grand Total (All Cardiac Catheterization Procedures) | 0 | 2,482 | 2,482 |

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.

| Left Heart Diagnostic Cardiac Catheterization Details | Ages 0-14 | Ages 15+ | Total |
|--|------------------|-----------------|--------------|
| Left Heart Diagnostic Cardiac Cath Only (without PCI) | 0 | 1,255 | 1,255 |
| Left Heart Diagnostic Cardiac Cath Followed by PCI | 0 | 466 | 466 |

2C. Peripheral Catheterization by Patient Type

Report the total number of peripheral catheterization procedures.

| Ages 0-14 | Ages 15+ | Total |
|------------------|-----------------|--------------|
| 0 | 0 | 0 |

2D. Major Coronary Circulation Vessels Treated per Patient

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

| PCI Type | 1 Vessel | 2 Vessels | 3 Vessels | 4 Vessels | Total |
|---|-----------------|------------------|------------------|------------------|--------------|
| PCI balloon angioplasty and/or stent | 498 | 53 | 1 | 0 | 552 |
| All other types of PCI (e.g. laser, etc.) | 0 | 0 | 0 | 0 | 0 |
| Total | 498 | 53 | 1 | 0 | 552 |

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.

| Cardiac Catheterizations by Patient Type | Ages 0-14 | Ages 15+ | Total |
|---|------------------|-----------------|--------------|
| Inpatient Diagnostic Cardiac Catheterizations | 0 | 602 | 602 |
| Outpatient Diagnostic Cardiac Catheterizations | 0 | 660 | 660 |
| Inpatient Therapeutic Cardiac Catheterizations | 0 | 529 | 529 |
| Outpatient Therapeutic Cardiac Catheterizations | 0 | 23 | 23 |
| Total | 0 | 1,814 | 1,814 |

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 |
|----------------|--|-----------|----------|-------|
| 33210 | Temporary Pacemaker Insertion | 0 | 22 | 22 |
| 33970 | Intra Aortic Balloon Pump Insertion | 0 | 7 | 7 |
| 36557 | Central Line Insertion | 0 | 1 | 1 |
| 75625 | Abdominal Arteriogram | 0 | 48 | 48 |
| 75630 | Aortogram with Runoff | 0 | 2 | 2 |
| 75650 | Aortic Arch Angiography | 0 | 35 | 35 |
| 75671 | Cerebral Arteriogram | 0 | 1 | 1 |
| 75680 | Cerebral Arteriogram (Carotid) | 0 | 3 | 3 |
| 75710 | Upper Extremity Arteriogram | 0 | 1 | 1 |
| 75724 | Renal Arteriogram | 0 | 16 | 16 |
| 92960 | Cardioversion | 0 | 10 | 10 |
| 92973 | Angiojet (Thrombectomy) | 0 | 2 | 2 |
| 93303 | Echocardiogram | 0 | 2 | 2 |
| 93318 | Transesophageal Echocardiogram | 0 | 1 | 1 |
| 93503 | Swan-Ganz Insertion | 0 | 1 | 1 |
| G0278 | Lower Extremity Arteriogram - R illiac | 0 | 5 | 5 |

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 | 537 | 537 |
| Angioplasty | 0 | 138 | 138 |
| Stents | 0 | 111 | 111 |
| Thrombolysis Procedures | 0 | 46 | 46 |
| Embolizations | 0 | 27 | 27 |
| Venocava filter insertions | 0 | 68 | 68 |
| Biliary/Nephrostomy | 0 | 136 | 136 |
| Perm cath/pic line placements | 0 | 158 | 158 |
| | 0 | 0 | 0 |
| | 0 | 0 | 0 |
| | 0 | 0 | 0 |
| Total | 0 | 1,221 | 1,221 |

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 |
| Total | 0 | 0 | 0 |

3D. Medical Specialties

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

INTERVENTIONAL RADIOLOGIST, VASCULAR SURGEON

4. Cardiac Catheterization Patients by Race/Ethnicity

Please report the number who received 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 | 0 |
| Asian | 8 |
| Black/African American | 388 |
| Hispanic/Latino | 8 |
| Pacific Islander/Hawaiian | 0 |
| White | 1,226 |
| Multi-Racial | 45 |
| Total | 1,675 |

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 | 953 |
| Female | 722 |
| Total | 1,675 |

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 |
|--|---|--|-----------------------------------|------------------------------------|
| DRG 110: Major Cardiovascular Procedures w/CC (MS-DRG 237) | 92,720 | 7 | 9 | 33,635 |
| DRG 121: Cds w/AMI and CV Complication, Discharged Alive (MS-DRG 280) | 29,804 | 24 | 25 | 11,370 |
| DRG 122: Cds w/AMI w/o CV Complication, Discharged Alive (MS-DRG 281 & 282) | 18,777 | 34 | 36 | 7,070 |
| DRG 124: Cds except AMI w/Cardiac Cath and Complex Diagnosis (MS-DRG 286) | 24,841 | 46 | 51 | 9,142 |
| DRG 125: Cds except AMI w/Cardiac Cath and Complex Diagnosis (MS-DRG 287) | 12,989 | 699 | 702 | 3,815 |
| DRG 127: Heart Failure and Shock (MS-DRG 291, 292, 293) | 9,798 | 5 | 5 | 1,995 |
| DRG 130: Peripheral Vascular Disorders w/CC (MS-DRG 299) | 10,691 | 1 | 1 | 5,389 |
| DRG 138: Cardiac arrhythmia and conduction disorders w/CC (MS-DRG 308) | 9,595 | 1 | 1 | 6,484 |
| DRG 140: Angina Pectoris (MS-DRG 311) | 14,544 | 1 | 1 | 2,287 |

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.

Single Vessel PTCA Without Mention of Thrombolytic Agent

(ICD-900.66, previously 36.01)

| Patient Category | Mean | Median | Range Low | Range High | # of Cases Included in Calculations |
|------------------|----------|----------|-----------|------------|-------------------------------------|
| Inpatient | \$43,539 | \$38,827 | \$17,038 | \$532,534 | 481 |
| Outpatient | \$36,039 | \$33,799 | \$24,663 | \$59,850 | 19 |

Left Heart Cardiac Catheterization (Excluding that with Catheterization of Right Heart)

ICD-937.22)

| Patient Category | Mean | Median | Range Low | Range High | # of Cases Included in Calculations |
|------------------|----------|----------|-----------|------------|-------------------------------------|
| Inpatient | \$22,602 | \$19,684 | \$9,548 | \$178,642 | 301 |
| Outpatient | \$11,908 | \$10,082 | \$1,945 | \$179,662 | 542 |

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 |
|---------------|----------------------|
| \$19,800,819 | \$5,872,360 |

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 |
|-----------------------------|----------------------------------|
| \$1,644,551 | 136 |

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 |
|------------------------|
| \$11,760,340 |

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) | 788 | 103 | 619 | 24 | 128 |
| Number of Procedures Billed | 823 | 652 | 652 | 27 | 136 |
| Number of Procedures Not Billed or Written Off | 17 | 1 | 40 | 11 | 0 |
| Total Charges | \$9,139,963 | \$1,014,337 | \$7,698,283 | \$303,685 | \$1,644,551 |
| Actual Reimbursement | \$2,741,211 | \$255,655 | \$2,871,984 | \$2,163 | \$1,347 |

Part E : Peer Review, JCAHO Accreditation, OHS Referrals and Treatment Complications

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.

AMERICAN COLLEGE OF CARDIOLOGY - NATIONAL CARDIOVASCULAR DATA REGISTRY, CMS, PREMIER



2. Check the box to the right if your program/facility is JCAHO accredited.

Enter your accreditation category in the space below.

ACCREDITATION WITHOUT TYPE I RECOMMENDATIONS

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

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 |
|-------------------|---------------------|
| | |
| | |
| | |
| | |

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 | 552 | 21 | 62 | 83 |
| Diagnostic Cardiac Catheterizations Inpatient and Outpatient | 1,262 | 40 | 112 | 152 |
| Total | 1,814 | 61 | 174 | 235 |

Part F : Patient Origin

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 |
|-----------|---------------|--------------|-------|
| Appling | 0 | 20 | 20 |
| Atkinson | 0 | 2 | 2 |
| Bacon | 0 | 11 | 11 |
| Bibb | 0 | 2 | 2 |
| Brantley | 0 | 9 | 9 |
| Bryan | 0 | 75 | 75 |
| Bulloch | 0 | 69 | 69 |
| Burke | 0 | 1 | 1 |
| Camden | 0 | 1 | 1 |
| Candler | 0 | 14 | 14 |
| Charlton | 0 | 1 | 1 |
| Chatham | 0 | 699 | 699 |
| Coffee | 0 | 18 | 18 |
| Effingham | 0 | 144 | 144 |

| | | | |
|-----------------------|----------|--------------|--------------|
| Emanuel | 0 | 16 | 16 |
| Evans | 0 | 6 | 6 |
| Forsyth | 0 | 1 | 1 |
| Glynn | 0 | 8 | 8 |
| Irwin | 0 | 3 | 3 |
| Jeff Davis | 0 | 12 | 12 |
| Jenkins | 0 | 2 | 2 |
| Johnson | 0 | 1 | 1 |
| Laurens | 0 | 2 | 2 |
| Liberty | 0 | 104 | 104 |
| Long | 0 | 24 | 24 |
| McIntosh | 0 | 13 | 13 |
| Montgomery | 0 | 10 | 10 |
| Other- Out of State | 0 | 19 | 19 |
| Pierce | 0 | 11 | 11 |
| Screven | 0 | 56 | 56 |
| South Carolina | 0 | 68 | 68 |
| Tattnall | 0 | 26 | 26 |
| Telfair | 0 | 2 | 2 |
| Toombs | 0 | 41 | 41 |
| Treutlen | 0 | 5 | 5 |
| Ware | 0 | 2 | 2 |
| Wayne | 0 | 169 | 169 |
| Webster | 0 | 1 | 1 |
| Wheeler | 0 | 6 | 6 |
| Worth | 0 | 1 | 1 |
| Total Patients | 0 | 1,675 | 1,675 |

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: Margaret Gill

Title: Chief Operating Officer

Date: 7/17/2009

Comments: