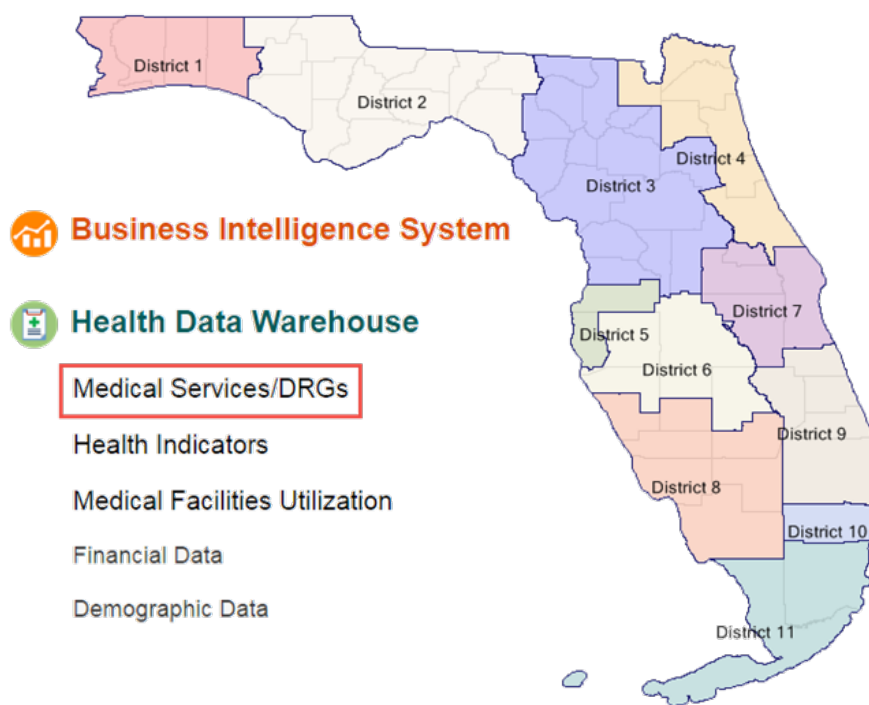




Health Data Warehouse & Business Intelligence System: Medical Services/DRGs



Broward Regional Health Planning Council, Inc.

200 Oakwood Lane, Suite 100

Phone: 954.561.9681

Website: <http://healthdata.brhpc.org>

Email: utilization@brhpc.org

The medical services/DRG module provides data reports on Diagnosis Related Groups.

TABLE OF CONTENTS

	Page
Data Sources	1
Diagnosis-related group (DRG)	2
Definition	2
Getting Started	3
Report Criteria	4
<i>Includes:</i>	
Choose Report (w/ Show Totals toggle)	
Districts/Groups/Counties	
Hospitals	
Medical Services	
Medical Services or DRG detail toggle	
Select Columns	
Selected Columns: Count, Charges or Both toggle	
Stratify by	
Facility County or Patient County toggle	
Order By	
Year/Qtr selection	
Show Area-Level Rates	
GIS Mapping & Graphing	
Report View	14
Appendix A (MDC/Medical Services/DRG Relations)	17
Appendix B (Medical Services/DRG List)	18

This *Medical Services DRG Data Warehouse Manual* and all future revisions:
 © Copyright Broward Regional Health Planning Council, Inc. 2011 All rights reserved.

Data Sources

Florida AHCA Inpatient Discharge Data (Used by modules Prevention Quality Indicators, Chronic Conditions and Suicide Incidence)

Hospital Inpatient Discharge Data has been collected since 1988. Beginning with 1997 data, short term acute care psychiatric hospitals are included in the Hospital Detailed Patient Database. Beginning with 2006 data, long term psychiatric hospitals are included in the Hospital Detailed Patient Database.

For the Hospital Inpatient Discharge Data Layout & File Description, please visit (Look under "Data Dictionary"):

<http://www.floridahealthfinder.gov/Researchers/OrderData/order-data.aspx>

For more information concerning the collection of Hospital Inpatient Discharge Data, please visit:

<http://ahca.myflorida.com/schs/2005-2009-Resources.shtml>

Definition

Diagnosis-related group (DRG): A system to classify hospital cases into one of approximately 500 groups, also referred to as DRGs, expected to have similar hospital resource use, developed for Medicare as part of the prospective payment system. DRGs are assigned by a "grouper" program based on ICD diagnoses, procedures, age, sex, discharge status, and the presence of complications or comorbidities. DRGs have been used in the US since 1983 to determine how much Medicare pays the hospital, since patients within each category are similar clinically and are expected to use the same level of hospital resources.

***See Appendix A & B for a list of all the Medical Services/DRGs.**

Getting Started

Using your assigned Username and Password, log in:

BRHPC
HEALTH & HUMAN SERVICE INNOVATIONS

Broward Regional Health Planning Council, Inc.
Medical Services / DRG Data Warehouse

Please Login

Username: Password:

The DRG Data Warehouse is a decision support tool for healthcare providers and planners. It allows you to quickly run customized reports by hospital, medical services, such as cardiology or orthopedics, including DRG level detail by selected hospitals in your area, using the

Upon logging in, the main screen is presented:

View Reports (Please select below)

Choose Report: Show Totals

Districts/Groups/Counties

Elig Bend Health Council, Inc.
Broward Regional Health Council, Inc.
Health Planning Council of East Central Florida, Inc.
Health Planning Council of Northeast Florida, Inc.
Health Planning Council of South Florida, Inc.
Health Planning Council of Southwest Florida, Inc.
Health Planning Council of West Central Florida, Inc.
Northwest Florida Health Council, Inc.
Suncoast Health Council, Inc.
Treasure Coast Health Council, Inc.
WellFlorida Council, Inc.
----- Groups -----
Safety Net Hospital Alliance

Hospitals (For multiple selection hold **ctrl** key and click)

Select District or County...

Medical Services ([Check All](#) - [Uncheck All](#))

CARDIOLOGY
 CARDIO-VASCULAR SURGERY
 DELIVERY
 DERMATOLOGY
 DRUG & ALCOHOL DEPENDENCY
 ENDOCRINE, METABOLIC DISORDERS
 ENT/ORAL MAXILLARY
 GASTROENTEROLOGY
 GYNECOLOGY
 HIV
 INTERVENTION CARDIOLOGY

Select Columns ([More Info](#))

Discharges
 Discharges (%)
 Avg. LOS
 Charges (\$)
 Charges (%)
 Avg. Charge (\$)
----- Age Categories -----
 (Age) 0-17
 (Age) 18-64
 (Age) 65+
----- Payer Sources -----

Stratify by

Medical Svcs/DRG
 Hospital
 Zipcode
 Physician
 Race

Note: Select stratifiers above and move them in the desired order.

Medical Services only DRG detail

Order by:

Facility County Patient County

Year: Use Paging (Show 200 records per page)

Selected Columns: Count Charges Both

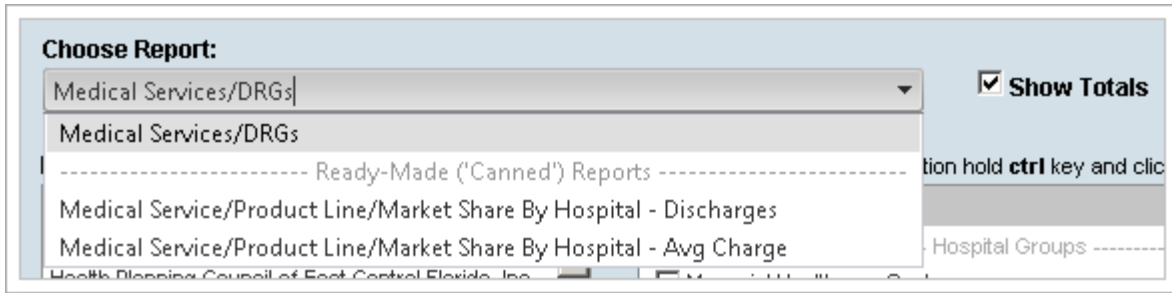
From: To:

Report Criteria

The report criteria screen (main screen) is used to generate the desired custom report. The main sections/selections of this screen are as follows:

- Choose Report (w/ Show Totals toggle)**
- Districts/Groups/Counties**
- Hospitals**
- Medical Services**
- Medical Services or DRG detail toggle**
- Select Columns**
- Selected Columns: Count, Charges or Both toggle**
- Stratify by**
- Facility County or Patient County toggle**
- Order By**
- Year/Qtr selection**
- Show Area-Level Rates**
- GIS Mapping & Graphing**

Choose Report (w/ Show Totals toggle)



Medical Services/DRGs (this is used for all custom reports)

The following are ready-made reports (the available selections are hospital(s) and date range)

- Medical Service/Product Line/Market Share By Hospital – Discharges
- Medical Service/Product Line/Market Share By Hospital - Avg Charge

Show Totals toggle: Hiding "Totals" from the report is useful for some Excel exports , facilitating some post-processing.

Districts/Groups/Counties & Hospitals

The screenshot shows a web application interface with two main sections:

- Districts/Groups/Counties:** A scrollable list containing the following items:
 - Big Bend Health Council, Inc.
 - Broward Regional Health Council, Inc.
 - Health Planning Council of East Central Florida, Inc.
 - Health Planning Council of Northeast Florida, Inc.
 - Health Planning Council of South Florida, Inc.
 - Health Planning Council of Southwest Florida, Inc.
 - Health Planning Council of West Central Florida, Inc.
 - Northwest Florida Health Council, Inc.
 - Suncoast Health Council, Inc.
 - Treasure Coast Health Council, Inc.
 - WellFlorida Council, Inc.
 - Groups -----
 - Safety Net Hospital Alliance
- Hospitals (For multiple selection hold **ctrl** key and click) [Show Groups](#):** A scrollable list with a "Show Groups" link. It contains:
 - All
 - Hospital Groups -----
 - Memorial Healthcare System
 - Broward Health
 - HCA
 - Hospitals -----
 - Memorial Regional Hospital
 - Broward General Medical Center
 - Kindred Hospital - Hollywood
 - Cleveland Clinic Hospital
 - Holy Cross Hospital
 - North Broward Medical Center

Required: Must select from a list of Districts, Groups or Counties (this selection populates the Hospitals section)

Hospitals section is populated according to the "Districts/Groups/Counties" selection. (Select "All", a "Group" or individual Hospitals)

Note: If the selected District/County has "Hospital Groups", the "Show Groups" option above the hospital list displays the breakdown of the available groups.

The screenshot shows a dialog box titled "Show Groups" with a close button (X) in the top right corner. It displays a list of hospitals organized into three groups:

- Memorial Healthcare System**
 - Memorial Regional Hospital South
 - Memorial Hospital Pembroke
 - Memorial Hospital West
 - Memorial Hospital Miramar
- Broward Health**
 - Imperial Point Medical Center
 - Broward General Medical Center
 - North Broward Medical Center
- HCA**
 - Northwest Medical Center
 - University Hospital And Medical Center

Medical Services



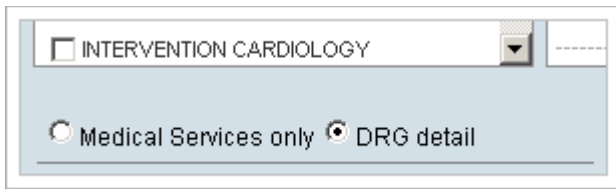
The screenshot shows a window titled "Medical Services" with a header containing "(Check All - Uncheck All)". Below the header is a list of medical services, each with an unchecked checkbox:

- CARDIOLOGY
- CARDIO-VASCULAR SURGERY
- DELIVERY
- DERMATOLOGY
- DRUG & ALCOHOL DEPENDENCY
- ENDOCRINE, METABOLIC DISORDERS
- ENT/ORAL MAXILLARY
- GASTROENTEROLOGY

Select all or individual medical services.

Note: if no selections are made, the system will automatically select all medical services.

Medical Services or DRG detail toggle

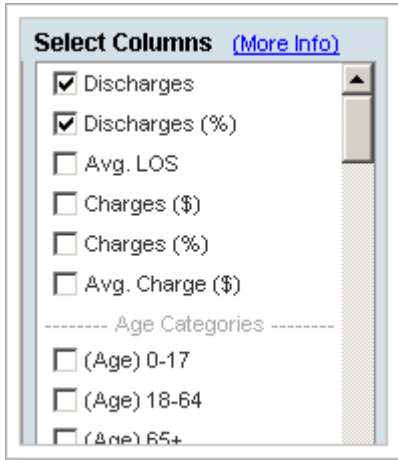


The screenshot shows a toggle interface. At the top, there is a checkbox for "INTERVENTION CARDIOLOGY" which is unchecked. Below this, there are two radio buttons: "Medical Services only" (which is selected) and "DRG detail" (which is unselected).

Use this toggle to view all selected DRG detail or the Medical Services only.

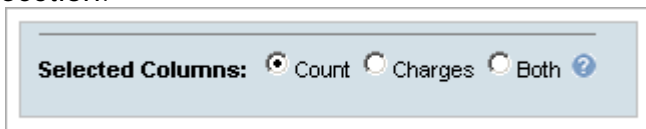
*See Appendix B for a list of all the Medical Services/DRGs.

Select Columns



Required: At least one column needs to be selected.

Note: When selecting columns for 'Payer Sources', 'Gender', 'Admission Types' and/or 'Admission Sources' please note that Discharges or Charges can be reported. This is controlled by selecting Count, Charges or Both in the 'Selected Columns: Count, Charges or Both toggle' section.



The list of available columns:

Discharges	Number of Discharges
Discharges (%)	Discharges (Percent)
Avg. LOS	Avg. Length of Stay
Charges (\$)	Charges (Dollar amount)
Charges (%)	Charges (Percent)
Avg. Charge (\$)	Avg. Charge (Average dollar amount)

Age Categories

(Age) 0-17	0-17
(Age) 18-39	18-39
(Age) 40-64	40-64
(Age) 65+	65+

Payer Sources

Medicare	Medicare
Medicare HMO/PPO	Medicare HMO or Medicare PPO
Medicaid	Medicaid
Medicaid HMO	Medicaid HMO
Commercial	Commercial Insurance
Commercial HMO	Commercial HMO
Commercial PPO	Commercial PPO

2008-2009 (Some data elements changed for 2010 AHCA data)

Workers Comp	Workers Compensation
CHAMPUS	CHAMPUS
VA	Veterans Administration
Other State/Local	Other State/Local Government
Self Pay/Under-insured	Self Pay/Under-insured (No 3rd party coverage or less than 30% estimated insurance coverage)
Other	Other
Charity	Charity
Kidcare	Kidcare (Includes Healthy Kids, Medikids, and Children's Medical Services)

Payer Sources

2010+ (Some data elements changed for 2010 AHCA data)

Medicare	Medicare
Medicare HMO/PPO	Medicare HMO or Medicare PPO
Medicaid	Medicaid
Medicaid HMO	Medicaid HMO
Commercial	Commercial Insurance
Workers Comp	Workers Compensation
TriCare/Fed Govt	TriCare/Federal Government
VA	Veterans Administration
Other State/Local	Other State/Local Government
Self Pay/Under-insured	Self Pay/Under-insured (No 3rd party coverage or less than 30% estimated insurance coverage)
Other	Other
Non-payment	Non-payment
Kidcare	Kidcare (Includes Healthy Kids, Medikids, and Children's Medical Services)
Commercial Liability	Commercial Liability

Gender

Male	Male
Female	Female

Admission Types

Emergency	Emergency
Urgent	Urgent
Elective	Elective
Newborn	Newborn
Trauma Center	Trauma Center

Admission Sources

2008-2009 (Some data elements changed for 2010 AHCA data)

Physician Referral	Physician Referral
Clinic Referral	Clinic Referral
HMO Referral	HMO Referral
Xfer from Hospital	Transfer from Hospital
Xfer from SNF	Transfer from SNF
Xfer Other Facility	Transfer from other Facility

ER
Court/Law
Info Not Available
Normal Delivery
Premature Delivery
Sick Baby
Extramural Birth
Other

ER
Court/Law
Info Not Available
Normal Delivery
Premature Delivery
Sick Baby
Extramural Birth
Other

Admission Sources

Physician Referral
Clinic Referral
Xfer from Hospital
Xfer from SNF
Xfer Other Facility
ER
Court/Law
Info Not Available
Xfer from same facility
Xfer from Amb facility
Xfer from hospice
Born inside hospital
Born outside hospital

2010+ (Some data elements changed for 2010 AHCA data)

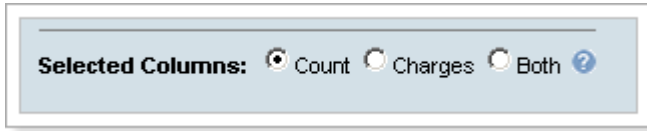
Physician Referral
Clinic Referral
Transfer from Hospital
Transfer from SNF
Transfer from other Facility
ER
Court/Law
Info Not Available
Transfer from same facility
Transfer from ambulatory facility
Transfer from hospice
Born inside hospital
Born outside hospital

Race

White
Black
Hispanic
Asian/Pacific
Native American
Other

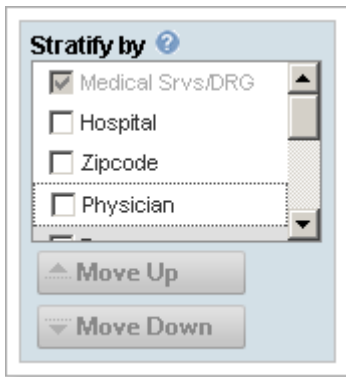
Other Races

Selected Columns: Count, Charges or Both toggle



When selecting columns for 'Payer Sources', 'Gender', 'Admission Types' and/or 'Admission Sources' in the 'Select Columns' section, note that Discharges, Charges or Both can be reported.

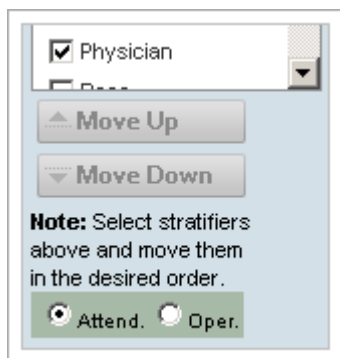
Stratify by



To select the order of stratification, highlight the item and then use the buttons ("Move Up" - "Move Down") to move the element to the desired position.

Note: (1) "Medical Svcs/DRG" is always selected. It is placed here to allow flexible stratification order. (2) If "Physician" is checked, 'Attending' or 'Operating' physician choice will be available.

- Attending Physician (Attend.): The Florida license number of the medical doctor, osteopathic physician, dentist, podiatrist, chiropractor, or advanced registered nurse practitioner who had primary responsibility for the patient's medical care and treatment or who certified as to the medical necessity of the services rendered.
- Operating or Performing Physician (Oper.): The Florida license number of the medical doctor, osteopathic physician, dentist, podiatrist, chiropractor, or advanced registered nurse practitioner who had primary responsibility for the principal procedure performed. The operating or performing physician may be the attending physician.

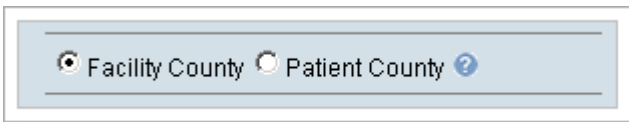


Note: when viewing reports, hitting the browsers "Back" button to navigate will reset your "Stratify By" selection.

The list of available stratifiers:

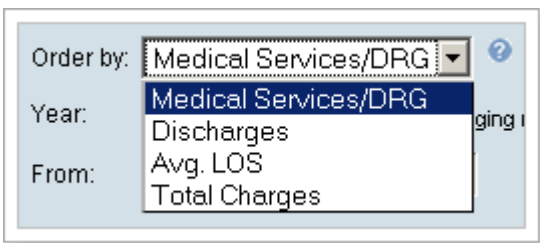
- Medical Srvs/DRG
- County (only available when "All of Florida" is selected in the "Districts/Groups/Counties" section)
- Hospital
- Zipcode
- Physician
- Age Category
- Payer Source
- Gender
- Admission Type
- Admission Source

Facility County or Patient County toggle



When selecting ALL hospitals in a District, County or All of Florida, the patient county of residence (Patient County) or the hospital county (Facility County) will be used.
Note: If selecting individual Hospitals or Groups then patient/facility county selection is ignored.

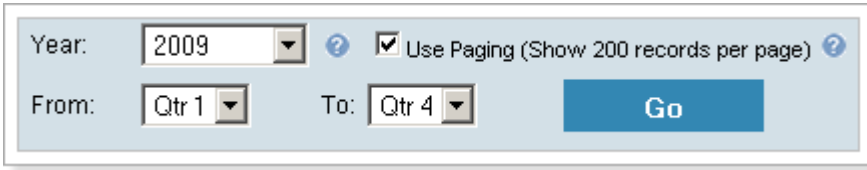
Order By



Use this section to order from high to low for the following columns:
Discharges
Avg. LOS
Total Charges

Note: (1) Ordering by "Medical Services/DRG" the system uses the standard alphanumeric ordering. (2) When ordering by "Discharges", "Avg. LOS" or "Total Charges" the "Show Totals toggle" selection will be ignored and totals will not be displayed.

Year/Qtr selection



A screenshot of a web form for selecting report parameters. It includes a 'Year' dropdown menu set to '2009', a 'From' dropdown menu set to 'Qtr 1', and a 'To' dropdown menu set to 'Qtr 4'. There is a checked checkbox for 'Use Paging (Show 200 records per page)' and a blue 'Go' button.

Select the Year and Qtr range for the report.

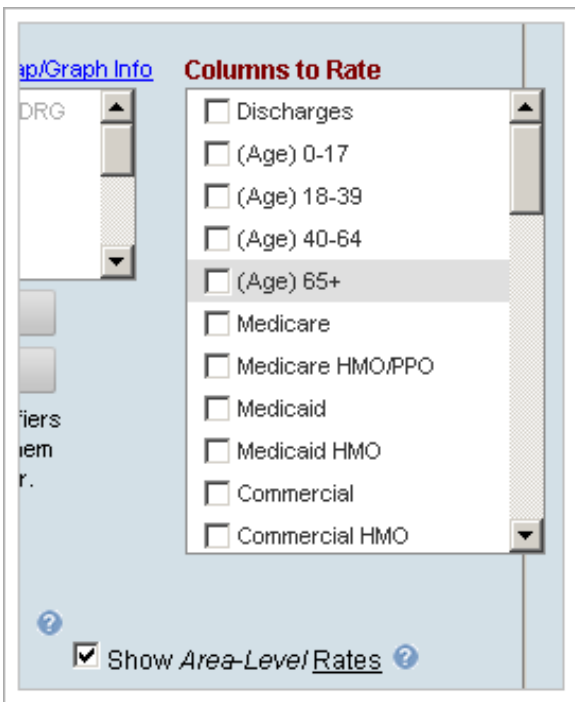
Note: for long reports, it is recommended to use the "Paging" option so as to facilitate the download of the generated report.

Show Area-Level Rates



A screenshot of a web form showing the 'Show Area-Level Rates' checkbox checked and highlighted with a red box. Other visible elements include a 'twices/DRG' dropdown, a 'Use Paging (Show 200 records per page)' checkbox, and a 'To: Qtr 4' dropdown with a 'Go' button.

Selecting the "Show Area-Level Rates" checkbox will display the "Columns to Rate" list box.



A screenshot of a web interface showing a 'Columns to Rate' list box. The list contains several items with checkboxes: Discharges, (Age) 0-17, (Age) 18-39, (Age) 40-64, (Age) 65+, Medicare, Medicare HMO/PPO, Medicaid, Medicaid HMO, Commercial, and Commercial HMO. The 'Show Area-Level Rates' checkbox is checked at the bottom of the interface.

Area-Level Rates: displays the rate (per 100,000) of discharges per population* for the selected county/stratifiers. (Ex, a certain county has 500,000 residents and there are 20,000 discharges for Cardiology for a given year, the rate per 100,000 would be $(20,000/500,000)*100,000 = \underline{4,000}$ per 100,000.)

Note:

- Must select a **county** *(for population calculation)*
- Must select **"Count"** under **"Selected Columns"** *(the default selection)* (ie, "Charges" and/or "Both" selections not allowed).

*Population data supplied by Nielson Claritas

GIS Mapping & Graphing



Map It



Graph It

Mapping: to enable mapping, select "Medical Services only" and select "Hospital" as the only stratifier. *("Hospital" is necessary because the mapping tool requires a point on the map)*

Graphing: to enable graphing, please select "Medical Services only" and at least one stratifier.

See "Report View" section for more mapping/graphing information.

Report View

Medical Services/DRGs ([View Report Information](#))

Page 1 of 4, items 1 to 200 of 763.

Medical Service	DRG	Discharges	Discharges (%)	Avg. LOS	Charges (\$)
Cardiology	280 - Acute myocardial infarction, discharged alive w MCC	633	00.2500	6.7	39,789,134
Cardiology	281 - Acute myocardial infarction, discharged alive w CC	432	00.1700	4.0	16,544,089
Cardiology	282 - Acute myocardia infarction, discharged alive w/o CC/MCC	528	00.2100	2.4	14,572,134
Cardiology	283 - Acute myocardial infarction, expired w MCC	105	00.0400	5.1	7,683,728

The "Report View" page displays the custom report.

Note: If "Use Paging (Show 200 records per page)" is selected, then the paging controls will be available.

Also, included on this page are:

A tooltip/information popup is available under "View Report Information", which displays the selections made on the "Report Criteria" page. (This information is also available on the exported Excel file)

Medical Services/DRGs ([View Report Information](#))

DRG detail/Facility County - Year: 2009 Qtr: 1-4

District/County: Broward Regional Health Council, Inc.

Hospitals: All **Categories:** All **Selected Columns:**
 Discharges
 Discharges (%)
 Avg. LOS
 Charges (\$)

Stratified by:
 Medical Svcs/DRG

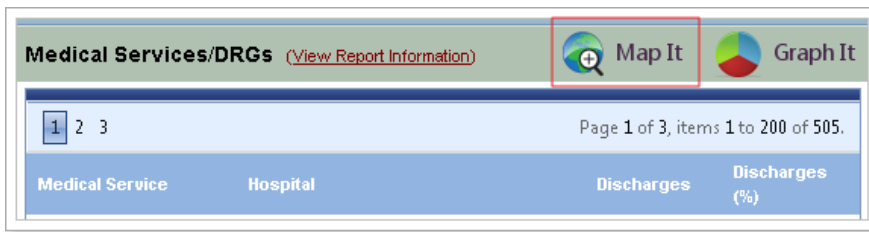
The ability to export the custom report in Excel format.

Export Filename: DRG_DRGdetail_2009Q1-4

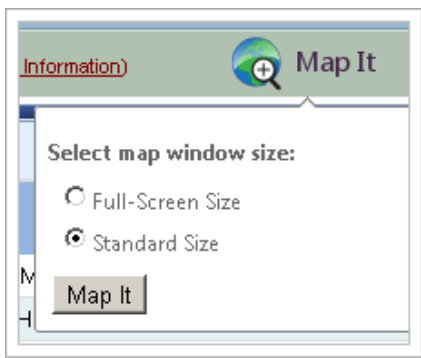
Excel Letter **Export**

GIS Mapping & Graphing

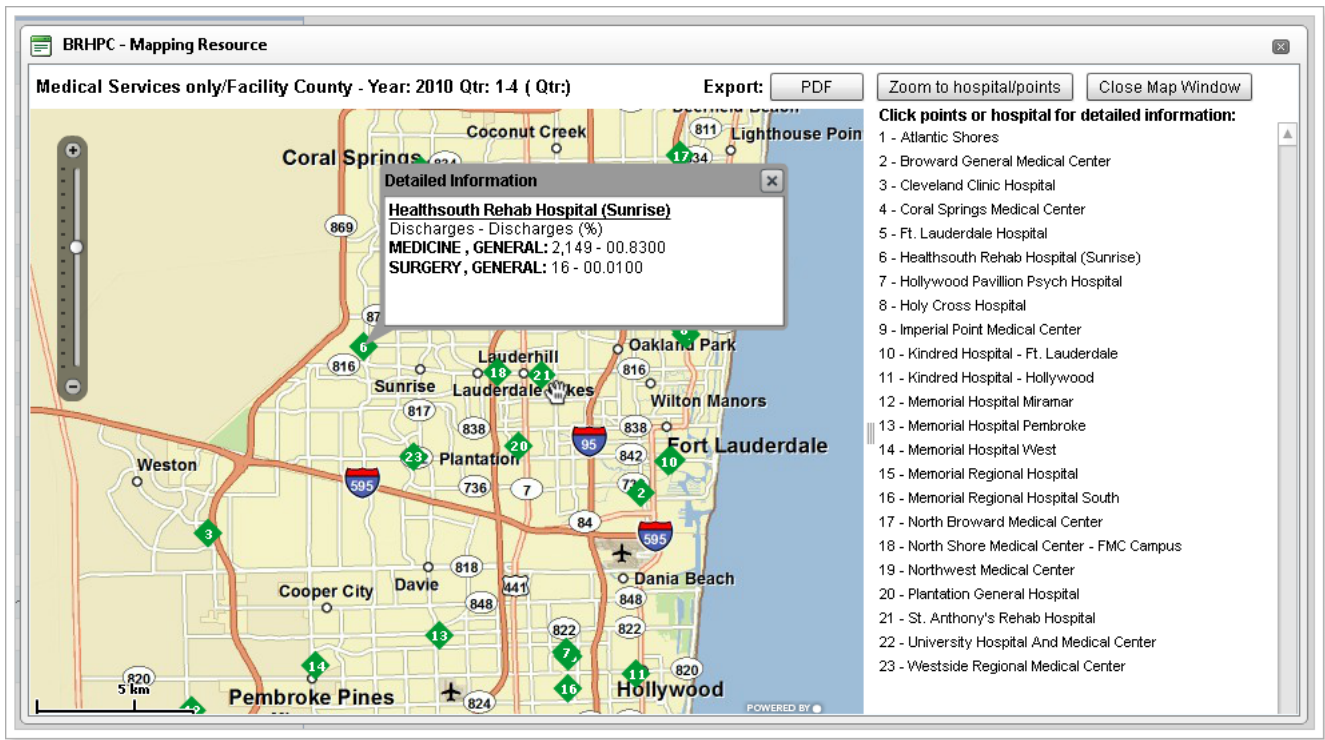
“Map It” option



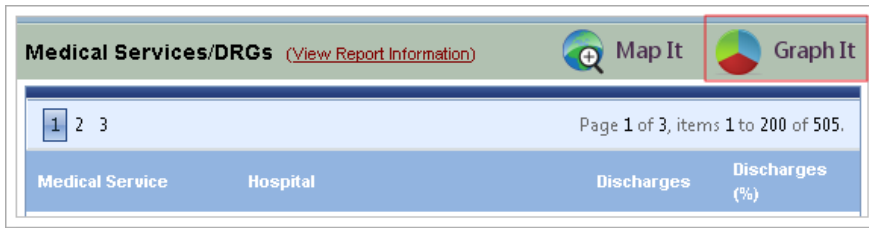
Clicking “Map It” displays the option to view a Full-screen or Standard version of the Map.



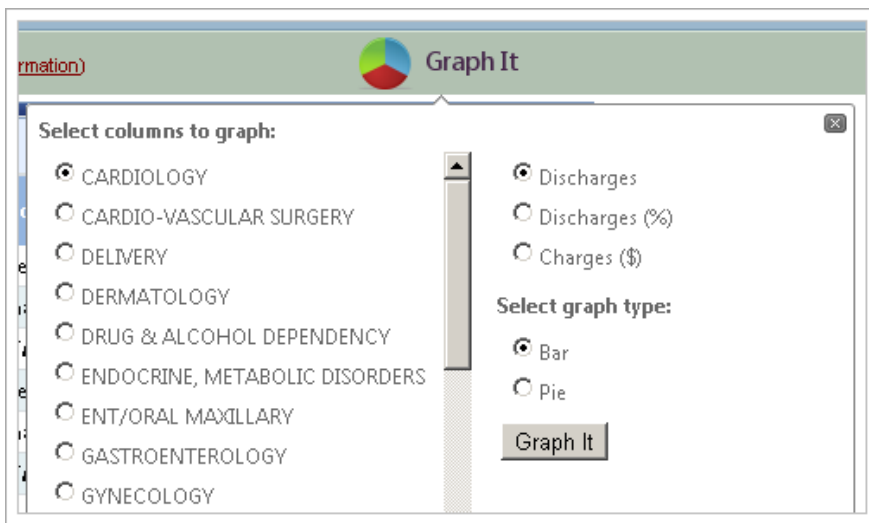
Clicking “Map It” opens up the Map window. The map is interactive. The map can be moved and zoomed. Clicking the hospital points and/or the hospital list displays the report information for each hospital. The map can also be exported to a PDF file.



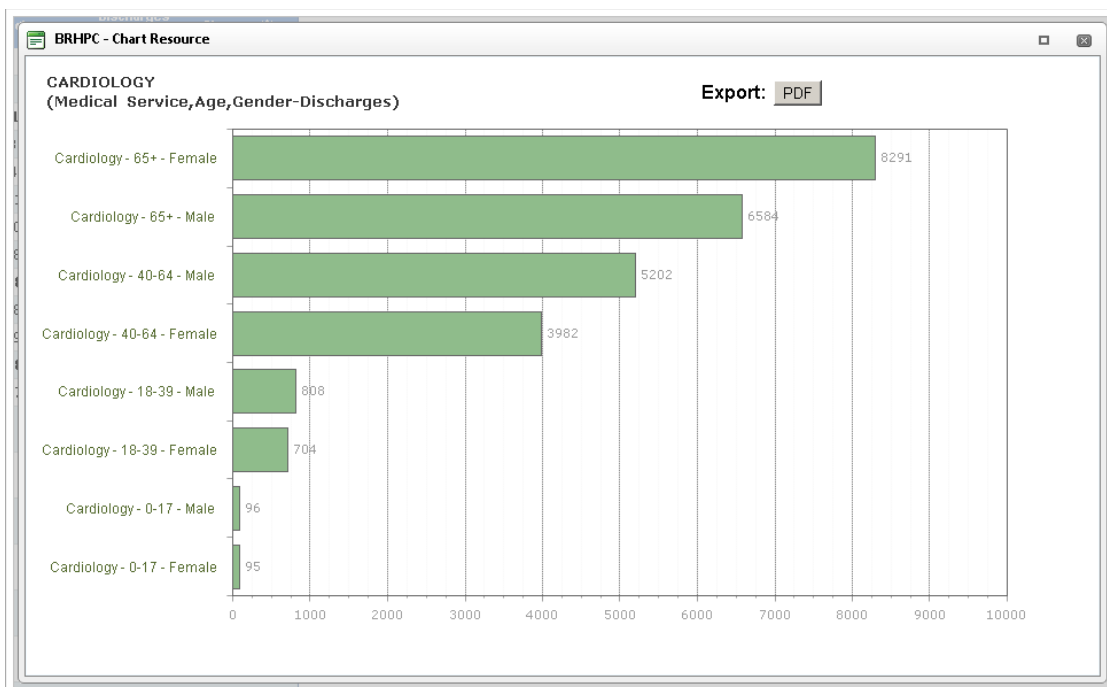
“Graph It” option



Clicking “Graph It” displays the options to select the columns to graph and the graph type.



Clicking “Graph It” opens up the Graph window, displaying the selected columns in either bar or pie graph. The graph can also be exported to a PDF file.



Appendix A (MDC/Medical Services/DRG Relations)

The MS/DRG Data Warehouse uses a modified version of the Medicare Major Diagnostic Groups (MDC) to categorize DRGs. Some of the MDCs were split to group medical and surgical diagnoses separately (e.g. *MDC 5 - Circulatory System is now two groups: Cardiology and Cardiovascular Surgery) and cancer diagnoses across MDCs have been extracted and grouped together under **Oncology. These revised groupings better reflect the medical services and product lines typically provided in hospitals.

Medicare MDCs		MS/DRG Categories	
1	Nervous System (Neurology and Neurosurgery)	1*	Cardiology
2	Eye (Medical and Surgical)	2*	Cardio-Vascular Surgery
3	Ear, Nose, Mouth and Throat	3	Delivery
4	Respiratory	4	Dermatology
5*	Circulatory (Cardiology and Cardiovascular Surgery)	5	Drug & Alcohol Dependency
6	Digestive (GI and General Surgery)	6	Endocrine, Metabolic Disorders
7	Hepatobiliary System and Pancreas (Medical and Surgical)	7	ENT/Oral Maxillary
8	Musculoskeletal System and Connective Tissue (Orthopedic)	8	Gastroenterology
9	Skin, Subcutaneous Tissue And Breast	9	Gynecology
10	Endocrine, Nutritional and Metabolic System	10	HIV
11	Kidney And Urinary Tract	11	Intervention Cardiology
12	Male Reproductive System	12	General Medicine
13	Female Reproductive System	13	Neonatology LEVEL II & III
14	Pregnancy, Childbirth &Puerperium	14	Nephrology
15	Newborn and Other Neonates	15	Neurology
16	Blood and Blood Forming Organs and Immunological Disorders	16	Neurosurgery
17	Myeloproliferative DDs (Poorly Differentiated Neoplasms)	17	Normal Newborn
18	Infectious and Parasitic DDs	18	Obstetrics
19	Mental Diseases and Disorders	19**	Oncology
20	Alcohol/Drug Use or Induced Mental Disorders	20	Ophthalmology
21	Injuries, Poison And Toxic Effect of Drugs	21	Orthopedics
22	Burns	22	Psychiatry
23	Factors Influencing Health Status	23	Respiratory
24	Multiple Significant Trauma	24	General Surgery
25	HIV Infection	25	Thoracic Surgery
		26	Trauma, Burns, Poisoning
		27	Urology
		28	Vascular Surgery

Appendix B (Medical Services/DRG List)

Medical Service	DRG	DRG Definition
Cardiology	280	Acute myocardial infarction, discharged alive w MCC
Cardiology	281	Acute myocardial infarction, discharged alive w CC
Cardiology	282	Acute myocardia infarction, discharged alive w/o CC/MCC
Cardiology	283	Acute myocardial infarction, expired w MCC
Cardiology	284	Acute myocardial infarction, expired w CC
Cardiology	285	Acute myocardial infarction, expired w/o CC/MCC
Cardiology	286	Circulatory disorders except AMI, w card cath w MCC
Cardiology	287	Circulatory disorders except AMI, w card cath w/o MCC
Cardiology	288	Acute & subacute endocarditis w MCC
Cardiology	289	Acute & subacute endocarditis w CC
Cardiology	290	Acute & subacute endocarditis w/o CC/MCC
Cardiology	291	Heart failure & shock w MCC
Cardiology	292	Heart failure & shock w CC
Cardiology	293	Heart failure & shock w/o CC/MCC
Cardiology	294	Deep vein thrombophlebitis w CC/MCC
Cardiology	295	Deep vein thrombophlebitis w/o CC/MCC
Cardiology	296	Cardiac arrest, unexplained w MCC
Cardiology	297	Cardiac arrest, unexplained w CC
Cardiology	298	Cardiac arrest, unexplained w/o CC/MCC
Cardiology	299	Peripheral vascular disorders w MCC
Cardiology	300	Peripheral vascular disorders w CC
Cardiology	301	Peripheral vascular disorders w/o CC/MCC
Cardiology	302	Atherosclerosis w MCC
Cardiology	303	Atherosclerosis w/o MCC
Cardiology	304	Hypertension w MCC
Cardiology	305	Hypertension w/o MCC
Cardiology	306	Cardiac congenital & valvular disorders w MCC
Cardiology	307	Cardiac congenital & valvular disorders w/o MCC
Cardiology	308	Cardiac arrhythmia & conduction disorders w MCC
Cardiology	309	Cardiac arrhythmia & conduction disorders w CC
Cardiology	310	Cardiac arrhythmia & conduction disorders w/o CC/MCC
Cardiology	311	Angina pectoris
Cardiology	312	Syncope & collapse
Cardiology	313	Chest pain
Cardiology	314	Other circulatory system diagnoses w MCC
Cardiology	315	Other circulatory system diagnoses w CC
Cardiology	316	Other circulatory system diagnoses w/o CC/MCC
Cardio-Vascular Surgery	215	Other heart assist system implant
Cardio-Vascular Surgery	216	Cardiac valve & oth maj cardiothoracic proc w card cath w MCC
Cardio-Vascular Surgery	217	Cardiac valve & oth maj cardiothoracic proc w card cath w CC
Cardio-Vascular Surgery	218	Cardiac valve & oth maj cardiothoracic proc w card cath w/o CC/MCC
Cardio-Vascular Surgery	219	Cardiac valve & oth maj cardiothoracic proc w/o card cath w MCC
Cardio-Vascular Surgery	220	Cardiac valve & oth maj cardiothoracic proc w/o card cath w CC
Cardio-Vascular Surgery	221	Cardiac valve & oth maj cardiothoracic proc w/o card cath w/o CC/MCC
Cardio-Vascular Surgery	228	Other cardiothoracic procedures w MCC
Cardio-Vascular Surgery	229	Other cardiothoracic procedures w CC
Cardio-Vascular Surgery	230	Other cardiothoracic procedures w/o CC/MCC

Cardio-Vascular Surgery	231	Coronary bypass w PTCA w MCC
Cardio-Vascular Surgery	232	Coronary bypass w PTCA w/o MCC
Cardio-Vascular Surgery	233	Coronary bypass w cardiac cath w MCC
Cardio-Vascular Surgery	234	Coronary bypass w cardiac cath w/o MCC
Cardio-Vascular Surgery	235	Coronary bypass w/o cardiac cath w MCC
Cardio-Vascular Surgery	236	Coronary bypass w/o cardiac cath w/o MCC
Cardio-Vascular Surgery	237	Major cardiovasc procedures w MCC or thoracic aortic aneuerysm repair
Cardio-Vascular Surgery	238	Major cardiovascular procedures w/o MCC
Delivery	765	Cesarean section w CC/MCC
Delivery	766	Cesarean section w/o CC/MCC
Delivery	767	Vaginal delivery w sterilization &/or D&C
Delivery	768	Vaginal delivery w O.R. proc except steril &/or D&C
Delivery	774	Vaginal delivery w complicating diagnoses
Delivery	775	Vaginal delivery w/o complicating diagnoses
Dermatology	592	Skin ulcers w MCC
Dermatology	593	Skin ulcers w CC
Dermatology	594	Skin ulcers w/o CC/MCC
Dermatology	595	Major skin disorders w MCC
Dermatology	596	Major skin disorders w/o MCC
Dermatology	602	Cellulitis w MCC
Dermatology	603	Cellulitis w/o MCC
Dermatology	604	Trauma to the skin, subcut tiss & breast w MCC
Dermatology	605	Trauma to the skin, subcut tiss & breast w/o MCC
Dermatology	606	Minor skin disorders w MCC
Dermatology	607	Minor skin disorders w/o MCC
Drug & Alcohol Dependency	894	Alcohol/drug abuse or dependence, left ama
Drug & Alcohol Dependency	895	Alcohol/drug abuse or dependence w rehabilitation therapy
Drug & Alcohol Dependency	896	Alcohol/drug abuse or dependence w/o rehabilitation therapy w MCC
Drug & Alcohol Dependency	897	Alcohol/drug abuse or dependence w/o rehabilitation therapy w/o MCC
Endocrine, Metabolic Disorders	637	Diabetes w MCC
Endocrine, Metabolic Disorders	638	Diabetes w CC
Endocrine, Metabolic Disorders	639	Diabetes w/o CC/MCC
Endocrine, Metabolic Disorders	640	Nutritional & misc metabolic disorders w MCC
Endocrine, Metabolic Disorders	641	Nutritional & misc metabolic disorders w/o MCC
Endocrine, Metabolic Disorders	642	Inborn errors of metabolism
Endocrine, Metabolic Disorders	643	Endocrine disorders w MCC
Endocrine, Metabolic Disorders	644	Endocrine disorders w CC
Endocrine, Metabolic Disorders	645	Endocrine disorders w/o CC/MCC
ENT/Oral Maxillary	129	Major head & neck procedures w CC/MCC or major device
ENT/Oral Maxillary	130	Major head & neck procedures w/o CC/MCC
ENT/Oral Maxillary	131	Cranial/facial procedures w CC/MCC
ENT/Oral Maxillary	132	Cranial/facial procedures w/o CC/MCC
ENT/Oral Maxillary	133	Other ear, nose, mouth & throat O.R. procedures w CC/MCC
ENT/Oral Maxillary	134	Other ear, nose, mouth & throat O.R. procedures w/o CC/MCC
ENT/Oral Maxillary	135	Sinus & mastoid procedures w CC/MCC

ENT/Oral Maxillary	136	Sinus & mastoid procedures w/o CC/MCC
ENT/Oral Maxillary	137	Mouth procedures w CC/MCC
ENT/Oral Maxillary	138	Mouth procedures w/o CC/MCC
ENT/Oral Maxillary	139	Salivary gland procedures
ENT/Oral Maxillary	149	Dysequilibrium
ENT/Oral Maxillary	150	Epistaxis w MCC
ENT/Oral Maxillary	151	Epistaxis w/o MCC
ENT/Oral Maxillary	152	Otitis media & URI w MCC
ENT/Oral Maxillary	153	Otitis media & URI w/o MCC
ENT/Oral Maxillary	154	Nasal trauma & deformity w MCC
ENT/Oral Maxillary	155	Nasal trauma & deformity w CC
ENT/Oral Maxillary	156	Nasal trauma & deformity w/o CC/MCC
ENT/Oral Maxillary	157	Dental & Oral Diseases w MCC
ENT/Oral Maxillary	158	Dental & Oral Diseases w CC
ENT/Oral Maxillary	159	Dental & Oral Diseases w/o CC/MCC
Gastroenterology	368	Major esophageal disorders w MCC
Gastroenterology	369	Major esophageal disorders w CC
Gastroenterology	370	Major esophageal disorders w/o CC/MCC
Gastroenterology	371	Major gastrointestinal disorders & peritoneal infections w MCC
Gastroenterology	372	Major gastrointestinal disorders & peritoneal infections w CC
Gastroenterology	373	Major gastrointestinal disorders & peritoneal infections w/o CC/MCC
Gastroenterology	377	G.I. hemorrhage w MCC
Gastroenterology	378	G.I. hemorrhage w CC
Gastroenterology	379	G.I. hemorrhage w/o CC/MCC
Gastroenterology	380	Complicated peptic ulcer w MCC
Gastroenterology	381	Complicated peptic ulcer w CC
Gastroenterology	382	Complicated peptic ulcer w/o CC/MCC
Gastroenterology	383	Uncomplicated peptic ulcer w MCC
Gastroenterology	384	Uncomplicated peptic ulcer w/o MCC
Gastroenterology	385	Inflammatory bowel disease w MCC
Gastroenterology	386	Inflammatory bowel disease w CC
Gastroenterology	387	Inflammatory bowel disease w/o CC/MCC
Gastroenterology	388	G.I. obstruction w MCC
Gastroenterology	389	G.I. obstruction w CC
Gastroenterology	390	G.I. obstruction w/o CC/MCC
Gastroenterology	391	Esophagitis, gastroent & misc digest disorders w MCC
Gastroenterology	392	Esophagitis, gastroent & misc digest disorders w/o MCC
Gastroenterology	393	Other digestive system diagnoses w MCC
Gastroenterology	394	Other digestive system diagnoses w CC
Gastroenterology	395	Other digestive system diagnoses w/o CC/MCC
Gastroenterology	432	Cirrhosis & alcoholic hepatitis w MCC
Gastroenterology	433	Cirrhosis & alcoholic hepatitis w CC
Gastroenterology	434	Cirrhosis & alcoholic hepatitis w/o CC/MCC
Gastroenterology	438	Disorders of pancreas except malignancy w MCC
Gastroenterology	439	Disorders of pancreas except malignancy w CC
Gastroenterology	440	Disorders of pancreas except malignancy w/o CC/MCC
Gastroenterology	441	Disorders of liver except malig,cirr,alc hepa w MCC
Gastroenterology	442	Disorders of liver except malig,cirr,alc hepa w CC
Gastroenterology	443	Disorders of liver except malig,cirr,alc hepa w/o CC/MCC
Gastroenterology	444	Disorders of the biliary tract w MCC
Gastroenterology	445	Disorders of the biliary tract w CC
Gastroenterology	446	Disorders of the biliary tract w/o CC/MCC
Gynecology	734	Pelvic evisceration, rad hysterectomy & rad vulvectomy w CC/MCC

Gynecology	735	Pelvic evisceration, rad hysterectomy & rad vulvectomy w/o CC/MCC
Gynecology	736	Uterine & adnexa proc for ovarian or adnexal malignancy w MCC
Gynecology	737	Uterine & adnexa proc for ovarian or adnexal malignancy w CC
Gynecology	738	Uterine & adnexa proc for ovarian or adnexal malignancy w/o CC/MCC
Gynecology	739	Uterine,adnexa proc for non-ovarian/adnexal malig w MCC
Gynecology	740	Uterine,adnexa proc for non-ovarian/adnexal malig w CC
Gynecology	741	Uterine,adnexa proc for non-ovarian/adnexal malig w/o CC/MCC
Gynecology	742	Uterine & adnexa proc for non-malignancy w CC/MCC
Gynecology	743	Uterine & adnexa proc for non-malignancy w/o CC/MCC
Gynecology	744	D&C, conization, laparoscopy & tubal interruption w CC/MCC
Gynecology	745	D&C, conization, laparoscopy & tubal interruption w/o CC/MCC
Gynecology	746	Vagina, cervix & vulva procedures w CC/MCC
Gynecology	747	Vagina, cervix & vulva procedures w/o CC/MCC
Gynecology	748	Female reproductive system reconstructive procedures
Gynecology	749	Other female reproductive system O.R. procedures w CC/MCC
Gynecology	750	Other female reproductive system O.R. procedures w/o CC/MCC
Gynecology	757	Infections, female reproductive system w MCC
Gynecology	758	Infections, female reproductive system w CC
Gynecology	759	Infections, female reproductive system w/o CC/MCC
Gynecology	760	Menstrual & other female reproductive system disorders w CC/MCC
Gynecology	761	Menstrual & other female reproductive system disorders w/o CC/MCC
HIV	969	HIV w extensive O.R. procedure w MCC
HIV	970	HIV w extensive O.R. procedure w/o MCC
HIV	974	HIV w major related condition w MCC
HIV	975	HIV w major related condition w CC
HIV	976	HIV w major related condition w/o CC/MCC
HIV	977	HIV w or w/o other related condition
Intervention Cardiology	222	Cardiac defib implant w cardiac cath w AMI/HF/shock w MCC
Intervention Cardiology	223	Cardiac defib implant w cardiac cath w AMI/HF/shock w/o MCC
Intervention Cardiology	224	Cardiac defib implant w cardiac cath w/o AMI/HF/shock w MCC
Intervention Cardiology	225	Cardiac defib implant w cardiac cath w/o AMI/HF/shock w/o MCC
Intervention Cardiology	226	Cardiac defibrillator implant w/o cardiac cath w MCC
Intervention Cardiology	227	Cardiac defibrillator implant w/o cardiac cath w/o MCC
Intervention Cardiology	242	Permanent cardiac pacemaker implant w MCC
Intervention Cardiology	243	Permanent cardiac pacemaker implant w CC
Intervention Cardiology	244	Permanent cardiac pacemaker implant w/o CC/MCC
Intervention Cardiology	245	AICD lead & generator procedures
Intervention Cardiology	246	Perc cardiovasc proc w drug-eluting stent w MCC or 4+ vessels/stents
Intervention Cardiology	247	Perc cardiovasc proc w drug-eluting stent w/o MCC
Intervention Cardiology	248	Perc cardiovasc proc w non-drug-eluting stent w MCC or 4+ ves/stents
Intervention Cardiology	249	Perc cardiovasc proc w non-drug-eluting stent w/o MCC
Intervention Cardiology	250	Perc cardiovasc proc w/o coronary artery stent or AMI w MCC
Intervention Cardiology	251	Perc cardiovasc proc w/o coronary artery stent or AMI w/o MCC
Intervention Cardiology	258	Cardiac pacemaker device replacement w MCC
Intervention Cardiology	259	Cardiac pacemaker device replacement w/o MCC
Intervention Cardiology	260	Cardiac pacemaker revision except device replacement w MCC
Intervention Cardiology	261	Cardiac pacemaker revision except device replacement w CC
Intervention Cardiology	262	Cardiac pacemaker revision except device replacement w/o CC/MCC
Medicine, General	600	Non-malignant breast disorders w CC/MCC
Medicine, General	601	Non-malignant breast disorders w/o CC/MCC
Medicine, General	862	Postoperative & post-traumatic infections w MCC
Medicine, General	863	Postoperative & post-traumatic infections w/o MCC
Medicine, General	864	Fever of unknown origin

Medicine, General	865	Viral illness w MCC
Medicine, General	866	Viral illness w/o MCC
Medicine, General	867	Other infectious & parasitic diseases diagnoses w MCC
Medicine, General	868	Other infectious & parasitic diseases diagnoses w CC
Medicine, General	869	Other infectious & parasitic diseases diagnoses w/o CC/MCC
Medicine, General	870	Septicemia w MV 96+ hours
Medicine, General	871	Septicemia w/o MV 96+ hours w MCC
Medicine, General	872	Septicemia w/o MV 96+ hours w/o MCC
Medicine, General	915	Allergic reactions w MCC
Medicine, General	916	Allergic reactions w/o MCC
Medicine, General	919	Complications of treatment w MCC
Medicine, General	920	Complications of treatment w CC
Medicine, General	921	Complications of treatment w/o CC/MCC
Medicine, General	945	Rehabilitation w CC/MCC
Medicine, General	946	Rehabilitation w/o CC/MCC
Medicine, General	947	Signs & symptoms w MCC
Medicine, General	948	Signs & symptoms w/o MCC
Medicine, General	949	Aftercare w CC/MCC
Medicine, General	950	Aftercare w/o CC/MCC
Medicine, General	951	Other factors influencing health status
Neonatology	789	Neonates, died or transferred to another acute care facility
Neonatology	790	Extreme immaturity or respiratory distress syndrome, neonate
Neonatology	791	Prematurity w major problems
Neonatology	792	Prematurity w/o major problems
Neonatology	793	Full term neonate w major problems
Neonatology	794	Neonate w other significant problems
Nephrology	682	Renal failure w MCC
Nephrology	683	Renal failure w CC
Nephrology	684	Renal failure w/o CC/MCC
Nephrology	685	Admit for renal dialysis
Nephrology	689	Kidney & urinary tract infections w MCC
Nephrology	690	Kidney & urinary tract infections w/o MCC
Nephrology	695	Kidney & urinary tract signs & symptoms w MCC
Nephrology	696	Kidney & urinary tract signs & symptoms w/o MCC
Nephrology	698	Other kidney & urinary tract diagnoses w MCC
Nephrology	699	Other kidney & urinary tract diagnoses w CC
Nephrology	700	Other kidney & urinary tract diagnoses w/o CC/MCC
Neurology	052	Spinal disorders & injuries w CC/MCC
Neurology	053	Spinal disorders & injuries w/o CC/MCC
Neurology	056	Degenerative nervous system disorders w MCC
Neurology	057	Degenerative nervous system disorders w/o MCC
Neurology	058	Multiple sclerosis & cerebellar ataxia w MCC
Neurology	059	Multiple sclerosis & cerebellar ataxia w CC
Neurology	060	Multiple sclerosis & cerebellar ataxia w/o CC/MCC
Neurology	061	Acute ischemic stroke w use of thrombolytic agent w MCC
Neurology	062	Acute ischemic stroke w use of thrombolytic agent w CC
Neurology	063	Acute ischemic stroke w use of thrombolytic agent w/o CC/MCC
Neurology	064	Intracranial hemorrhage or cerebral infarction w MCC
Neurology	065	Intracranial hemorrhage or cerebral infarction w CC
Neurology	066	Intracranial hemorrhage or cerebral infarction w/o CC/MCC
Neurology	067	Nonspecific cva & precerebral occlusion w/o infarct w MCC
Neurology	068	Nonspecific cva & precerebral occlusion w/o infarct w/o MCC
Neurology	069	Transient ischemia

Neurology	070	Nonspecific cerebrovascular disorders w MCC
Neurology	071	Nonspecific cerebrovascular disorders w CC
Neurology	072	Nonspecific cerebrovascular disorders w/o CC/MCC
Neurology	073	Cranial & peripheral nerve disorders w MCC
Neurology	074	Cranial & peripheral nerve disorders w/o MCC
Neurology	075	Viral meningitis w CC/MCC
Neurology	076	Viral meningitis w/o CC/MCC
Neurology	077	Hypertensive encephalopathy w MCC
Neurology	078	Hypertensive encephalopathy w CC
Neurology	079	Hypertensive encephalopathy w/o CC/MCC
Neurology	080	Nontraumatic stupor & coma w MCC
Neurology	081	Nontraumatic stupor & coma w/o MCC
Neurology	082	Traumatic stupor & coma, coma >1 hr w MCC
Neurology	083	Traumatic stupor & coma, coma >1 hr w CC
Neurology	084	Traumatic stupor & coma, coma >1 hr w/o CC/MCC
Neurology	085	Traumatic stupor & coma, coma <1 hr w MCC
Neurology	086	Traumatic stupor & coma, coma <1 hr w CC
Neurology	087	Traumatic stupor & coma, coma <1 hr w/o CC/MCC
Neurology	088	Concussion w MCC
Neurology	089	Concussion w CC
Neurology	090	Concussion w/o CC/MCC
Neurology	091	Other disorders of nervous system w MCC
Neurology	092	Other disorders of nervous system w CC
Neurology	093	Other disorders of nervous system w/o CC/MCC
Neurology	094	Bacterial & tuberculous infections of nervous system w MCC
Neurology	095	Bacterial & tuberculous infections of nervous system w CC
Neurology	096	Bacterial & tuberculous infections of nervous system w/o CC/MCC
Neurology	097	Non-bacterial infect of nervous sys exc viral meningitis w MCC
Neurology	098	Non-bacterial infect of nervous sys exc viral meningitis w CC
Neurology	099	Non-bacterial infect of nervous sys exc viral meningitis w/o CC/MCC
Neurology	100	Seizures w MCC
Neurology	101	Seizures w/o MCC
Neurology	102	Headaches w MCC
Neurology	103	Headaches w/o MCC
Neurosurgery	020	Intracranial vascular procedures w PDX hemorrhage w MCC
Neurosurgery	021	Intracranial vascular procedures w PDX hemorrhage w CC
Neurosurgery	022	Intracranial vascular procedures w PDX hemorrhage w/o CC/MCC
Neurosurgery	023	Cranio w major dev impl/acute complex CNS PDX w MCC or chemo implant
Neurosurgery	024	Cranio w major dev impl/acute complex CNS PDX w/o MCC
Neurosurgery	025	Craniotomy & endovascular intracranial procedures w MCC
Neurosurgery	026	Craniotomy & endovascular intracranial procedures w CC
Neurosurgery	027	Craniotomy & endovascular intracranial procedures w/o CC/MCC
Neurosurgery	028	Spinal procedures w MCC
Neurosurgery	029	Spinal procedures w CC or spinal neurostimulators
Neurosurgery	030	Spinal procedures w/o CC/MCC
Neurosurgery	031	Ventricular shunt procedures w MCC
Neurosurgery	032	Ventricular shunt procedures w CC
Neurosurgery	033	Ventricular shunt procedures w/o CC/MCC
Neurosurgery	040	Periph & cranial nerve & other nerv syst proc w MCC
Neurosurgery	041	Periph/cranial nerve & other nerv syst proc w CC or periph neurostim
Neurosurgery	042	Periph & cranial nerve & other nerv syst proc w/o CC/MCC
Normal Newborn	795	Normal newborn

Obstetrics	769	Postpartum & post abortion diagnoses w O.R. procedure
Obstetrics	770	Abortion w D&C, aspiration curettage or hysterotomy
Obstetrics	776	Postpartum & post abortion diagnoses w/o O.R. procedure
Obstetrics	777	Ectopic pregnancy
Obstetrics	778	Threatened abortion
Obstetrics	779	Abortion w/o D&C
Obstetrics	780	False labor
Obstetrics	781	Other antepartum diagnoses w medical complications
Obstetrics	782	Other antepartum diagnoses w/o medical complications
Oncology	009	Bone marrow transplant
Oncology	054	Nervous system neoplasms w MCC
Oncology	055	Nervous system neoplasms w/o MCC
Oncology	146	Ear, nose, mouth & throat malignancy w MCC
Oncology	147	Ear, nose, mouth & throat malignancy w CC
Oncology	148	Ear, nose, mouth & throat malignancy w/o CC/MCC
Oncology	180	Respiratory neoplasms w MCC
Oncology	181	Respiratory neoplasms w CC
Oncology	182	Respiratory neoplasms w/o CC/MCC
Oncology	374	Digestive malignancy w MCC
Oncology	375	Digestive malignancy w CC
Oncology	376	Digestive malignancy w/o CC/MCC
Oncology	435	Malignancy of hepatobiliary system or pancreas w MCC
Oncology	436	Malignancy of hepatobiliary system or pancreas w CC
Oncology	437	Malignancy of hepatobiliary system or pancreas w/o CC/MCC
Oncology	542	Pathological fractures & musculoskelet & conn tiss malig w MCC
Oncology	543	Pathological fractures & musculoskelet & conn tiss malig w CC
Oncology	544	Pathological fractures & musculoskelet & conn tiss malig w/o CC/MCC
Oncology	597	Malignant breast disorders w MCC
Oncology	598	Malignant breast disorders w CC
Oncology	599	Malignant breast disorders w/o CC/MCC
Oncology	686	Kidney & urinary tract neoplasms w MCC
Oncology	687	Kidney & urinary tract neoplasms w CC
Oncology	688	Kidney & urinary tract neoplasms w/o CC/MCC
Oncology	722	Malignancy, male reproductive system w MCC
Oncology	723	Malignancy, male reproductive system w CC
Oncology	724	Malignancy, male reproductive system w/o CC/MCC
Oncology	754	Malignancy, female reproductive system w MCC
Oncology	755	Malignancy, female reproductive system w CC
Oncology	756	Malignancy, female reproductive system w/o CC/MCC
Oncology	808	Major hematol/immun diag exc sickle cell crisis & coagul w MCC
Oncology	809	Major hematol/immun diag exc sickle cell crisis & coagul w CC
Oncology	810	Major hematol/immun diag exc sickle cell crisis & coagul w/o CC/MCC
Oncology	811	Red blood cell disorders w MCC
Oncology	812	Red blood cell disorders w/o MCC
Oncology	813	Coagulation disorders
Oncology	814	Reticuloendothelial & immunity disorders w MCC
Oncology	815	Reticuloendothelial & immunity disorders w CC
Oncology	816	Reticuloendothelial & immunity disorders w/o CC/MCC
Oncology	834	Acute leukemia w/o major O.R. procedure w MCC
Oncology	835	Acute leukemia w/o major O.R. procedure w CC
Oncology	836	Acute leukemia w/o major O.R. procedure w/o CC/MCC
Oncology	837	Chemo w acute leukemia as sdx or w high dose chemo agent w MCC
Oncology	838	Chemo w acute leukemia as sdx w CC or high dose chemo agent

Oncology	839	Chemo w acute leukemia as sdx w/o CC/MCC
Oncology	840	Lymphoma & non-acute leukemia w MCC
Oncology	841	Lymphoma & non-acute leukemia w CC
Oncology	842	Lymphoma & non-acute leukemia w/o CC/MCC
Oncology	843	Other myeloprolif dis or poorly diff neopl diag w MCC
Oncology	844	Other myeloprolif dis or poorly diff neopl diag w CC
Oncology	845	Other myeloprolif dis or poorly diff neopl diag w/o CC/MCC
Oncology	846	Chemotherapy w/o acute leukemia as secondary diagnosis w MCC
Oncology	847	Chemotherapy w/o acute leukemia as secondary diagnosis w CC
Oncology	848	Chemotherapy w/o acute leukemia as secondary diagnosis w/o CC/MCC
Oncology	849	Radiotherapy
Ophthalmology	113	Orbital procedures w CC/MCC
Ophthalmology	114	Orbital procedures w/o CC/MCC
Ophthalmology	115	Extraocular procedures except orbit
Ophthalmology	116	Intraocular procedures w CC/MCC
Ophthalmology	117	Intraocular procedures w/o CC/MCC
Ophthalmology	121	Acute major eye infections w CC/MCC
Ophthalmology	122	Acute major eye infections w/o CC/MCC
Ophthalmology	123	Neurological eye disorders
Ophthalmology	124	Other disorders of the eye w MCC
Ophthalmology	125	Other disorders of the eye w/o MCC
Orthopedics	453	Combined anterior/posterior spinal fusion w MCC
Orthopedics	454	Combined anterior/posterior spinal fusion w CC
Orthopedics	455	Combined anterior/posterior spinal fusion w/o CC/MCC
Orthopedics	456	Spinal fus exc cerv w spinal curv/malig/infec or 9+ fus w MCC
Orthopedics	457	Spinal fus exc cerv w spinal curv/malig/infec or 9+ fus w CC
Orthopedics	458	Spinal fus exc cerv w spinal curv/malig/infec or 9+ fus w/o CC/MCC
Orthopedics	459	Spinal fusion except cervical w MCC
Orthopedics	460	Spinal fusion except cervical w/o MCC
Orthopedics	461	Bilateral or multiple major joint procs of lower extremity w MCC
Orthopedics	462	Bilateral or multiple major joint procs of lower extremity w/o MCC
Orthopedics	463	Wnd debrid & skn grft exc hand, for musculo-conn tiss dis w MCC
Orthopedics	464	Wnd debrid & skn grft exc hand, for musculo-conn tiss dis w CC
Orthopedics	465	Wnd debrid & skn grft exc hand, for musculo-conn tiss dis w/o CC/MCC
Orthopedics	466	Revision of hip or knee replacement w MCC
Orthopedics	467	Revision of hip or knee replacement w CC
Orthopedics	468	Revision of hip or knee replacement w/o CC/MCC
Orthopedics	469	Major joint replacement or reattachment of lower extremity w MCC
Orthopedics	470	Major joint replacement or reattachment of lower extremity w/o MCC
Orthopedics	471	Cervical spinal fusion w MCC
Orthopedics	472	Cervical spinal fusion w CC
Orthopedics	473	Cervical spinal fusion w/o CC/MCC
Orthopedics	474	Amputation for musculoskeletal sys & conn tissue dis w MCC
Orthopedics	475	Amputation for musculoskeletal sys & conn tissue dis w CC
Orthopedics	476	Amputation for musculoskeletal sys & conn tissue dis w/o CC/MCC
Orthopedics	477	Biopsies of musculoskeletal system & connective tissue w MCC
Orthopedics	478	Biopsies of musculoskeletal system & connective tissue w CC
Orthopedics	479	Biopsies of musculoskeletal system & connective tissue w/o CC/MCC
Orthopedics	480	Hip & femur procedures except major joint w MCC
Orthopedics	481	Hip & femur procedures except major joint w CC
Orthopedics	482	Hip & femur procedures except major joint w/o CC/MCC
Orthopedics	483	Major joint & limb reattachment proc of upper extremity w CC/MCC
Orthopedics	484	Major joint & limb reattachment proc of upper extremity w/o CC/MCC

Orthopedics	485	Knee procedures w pdx of infection w MCC
Orthopedics	486	Knee procedures w pdx of infection w CC
Orthopedics	487	Knee procedures w pdx of infection w/o CC/MCC
Orthopedics	488	Knee procedures w/o pdx of infection w CC/MCC
Orthopedics	489	Knee procedures w/o pdx of infection w/o CC/MCC
Orthopedics	490	Back & neck proc exc spinal fusion w CC/MCC or disc device/neurostim
Orthopedics	491	Back & neck proc exc spinal fusion w/o CC/MCC
Orthopedics	492	Lower extrem & humer proc except hip,foot,femur w MCC
Orthopedics	493	Lower extrem & humer proc except hip,foot,femur w CC
Orthopedics	494	Lower extrem & humer proc except hip,foot,femur w/o CC/MCC
Orthopedics	495	Local excision & removal int fix devices exc hip & femur w MCC
Orthopedics	496	Local excision & removal int fix devices exc hip & femur w CC
Orthopedics	497	Local excision & removal int fix devices exc hip & femur w/o CC/MCC
Orthopedics	498	Local excision & removal int fix devices of hip & femur w CC/MCC
Orthopedics	499	Local excision & removal int fix devices of hip & femur w/o CC/MCC
Orthopedics	500	Soft tissue procedures w MCC
Orthopedics	501	Soft tissue procedures w CC
Orthopedics	502	Soft tissue procedures w/o CC/MCC
Orthopedics	503	Foot procedures w MCC
Orthopedics	504	Foot procedures w CC
Orthopedics	505	Foot procedures w/o CC/MCC
Orthopedics	506	Major thumb or joint procedures
Orthopedics	507	Major shoulder or elbow joint procedures w CC/MCC
Orthopedics	508	Major shoulder or elbow joint procedures w/o CC/MCC
Orthopedics	509	Arthroscopy
Orthopedics	510	Shoulder,elbow or forearm proc,exc major joint proc w MCC
Orthopedics	511	Shoulder,elbow or forearm proc,exc major joint proc w CC
Orthopedics	512	Shoulder,elbow or forearm proc,exc major joint proc w/o CC/MCC
Orthopedics	513	Hand or wrist proc, except major thumb or joint proc w CC/MCC
Orthopedics	514	Hand or wrist proc, except major thumb or joint proc w/o CC/MCC
Orthopedics	515	Other musculoskelet sys & conn tiss O.R. proc w MCC
Orthopedics	516	Other musculoskelet sys & conn tiss O.R. proc w CC
Orthopedics	517	Other musculoskelet sys & conn tiss O.R. proc w/o CC/MCC
Orthopedics	533	Fractures of femur w MCC
Orthopedics	534	Fractures of femur w/o MCC
Orthopedics	535	Fractures of hip & pelvis w MCC
Orthopedics	536	Fractures of hip & pelvis w/o MCC
Orthopedics	537	Sprains, strains, & dislocations of hip, pelvis & thigh w CC/MCC
Orthopedics	538	Sprains, strains, & dislocations of hip, pelvis & thigh w/o CC/MCC
Orthopedics	539	Osteomyelitis w MCC
Orthopedics	540	Osteomyelitis w CC
Orthopedics	541	Osteomyelitis w/o CC/MCC
Orthopedics	545	Connective tissue disorders w MCC
Orthopedics	546	Connective tissue disorders w CC
Orthopedics	547	Connective tissue disorders w/o CC/MCC
Orthopedics	548	Septic arthritis w MCC
Orthopedics	549	Septic arthritis w CC
Orthopedics	550	Septic arthritis w/o CC/MCC
Orthopedics	551	Medical back problems w MCC
Orthopedics	552	Medical back problems w/o MCC
Orthopedics	553	Bone diseases & arthropathies w MCC
Orthopedics	554	Bone diseases & arthropathies w/o MCC
Orthopedics	555	Signs & symptoms of musculoskeletal system & conn tissue w MCC

Orthopedics	556	Signs & symptoms of musculoskeletal system & conn tissue w/o MCC
Orthopedics	557	Tendonitis, myositis & bursitis w MCC
Orthopedics	558	Tendonitis, myositis & bursitis w/o MCC
Orthopedics	559	Aftercare, musculoskeletal system & connective tissue w MCC
Orthopedics	560	Aftercare, musculoskeletal system & connective tissue w CC
Orthopedics	561	Aftercare, musculoskeletal system & connective tissue w/o CC/MCC
Orthopedics	562	Fx, sprn, strn & disl except femur, hip, pelvis & thigh w MCC
Orthopedics	563	Fx, sprn, strn & disl except femur, hip, pelvis & thigh w/o MCC
Orthopedics	564	Other musculoskeletal sys & connective tissue diagnoses w MCC
Orthopedics	565	Other musculoskeletal sys & connective tissue diagnoses w CC
Orthopedics	566	Other musculoskeletal sys & connective tissue diagnoses w/o CC/MCC
Orthopedics	906	Hand procedures for injuries
Psychiatry	880	Acute adjustment reaction & psychosocial dysfunction
Psychiatry	881	Depressive neuroses
Psychiatry	882	Neuroses except depressive
Psychiatry	883	Disorders of personality & impulse control
Psychiatry	884	Organic disturbances & mental retardation
Psychiatry	885	Psychoses
Psychiatry	886	Behavioral & developmental disorders
Psychiatry	887	Other mental disorder diagnoses
Respiratory	175	Pulmonary embolism w MCC
Respiratory	176	Pulmonary embolism w/o MCC
Respiratory	177	Respiratory infections & inflammations w MCC
Respiratory	178	Respiratory infections & inflammations w CC
Respiratory	179	Respiratory infections & inflammations w/o CC/MCC
Respiratory	186	Pleural effusion w MCC
Respiratory	187	Pleural effusion w CC
Respiratory	188	Pleural effusion w/o CC/MCC
Respiratory	189	Pulmonary edema & respiratory failure
Respiratory	190	Chronic obstructive pulmonary disease w MCC
Respiratory	191	Chronic obstructive pulmonary disease w CC
Respiratory	192	Chronic obstructive pulmonary disease w/o CC/MCC
Respiratory	193	Simple pneumonia & pleurisy w MCC
Respiratory	194	Simple pneumonia & pleurisy w CC
Respiratory	195	Simple pneumonia & pleurisy w/o CC/MCC
Respiratory	196	Interstitial lung disease w MCC
Respiratory	197	Interstitial lung disease w CC
Respiratory	198	Interstitial lung disease w/o CC/MCC
Respiratory	199	Pneumothorax w MCC
Respiratory	200	Pneumothorax w CC
Respiratory	201	Pneumothorax w/o CC/MCC
Respiratory	202	Bronchitis & asthma w CC/MCC
Respiratory	203	Bronchitis & asthma w/o CC/MCC
Respiratory	204	Respiratory signs & symptoms
Respiratory	205	Other respiratory system diagnoses w MCC
Respiratory	206	Other respiratory system diagnoses w/o MCC
Respiratory	207	Respiratory system diagnosis w ventilator support 96+ hours
Respiratory	208	Respiratory system diagnosis w ventilator support <96 hours
Surgery, General	005	Liver transplant w MCC or intestinal transplant
Surgery, General	006	Liver transplant w/o MCC
Surgery, General	008	Simultaneous pancreas/kidney transplant
Surgery, General	010	Pancreas transplant
Surgery, General	326	Stomach, esophageal & duodenal proc w MCC

Surgery, General	327	Stomach, esophageal & duodenal proc w CC
Surgery, General	328	Stomach, esophageal & duodenal proc w/o CC/MCC
Surgery, General	329	Major small & large bowel procedures w MCC
Surgery, General	330	Major small & large bowel procedures w CC
Surgery, General	331	Major small & large bowel procedures w/o CC/MCC
Surgery, General	332	Rectal resection w MCC
Surgery, General	333	Rectal resection w CC
Surgery, General	334	Rectal resection w/o CC/MCC
Surgery, General	335	Peritoneal adhesiolysis w MCC
Surgery, General	336	Peritoneal adhesiolysis w CC
Surgery, General	337	Peritoneal adhesiolysis w/o CC/MCC
Surgery, General	338	Appendectomy w complicated principal diag w MCC
Surgery, General	339	Appendectomy w complicated principal diag w CC
Surgery, General	340	Appendectomy w complicated principal diag w/o CC/MCC
Surgery, General	341	Appendectomy w/o complicated principal diag w MCC
Surgery, General	342	Appendectomy w/o complicated principal diag w CC
Surgery, General	343	Appendectomy w/o complicated principal diag w/o CC/MCC
Surgery, General	344	Minor small & large bowel procedures w MCC
Surgery, General	345	Minor small & large bowel procedures w CC
Surgery, General	346	Minor small & large bowel procedures w/o CC/MCC
Surgery, General	347	Anal & stomal procedures w MCC
Surgery, General	348	Anal & stomal procedures w CC
Surgery, General	349	Anal & stomal procedures w/o CC/MCC
Surgery, General	350	Inguinal & femoral hernia procedures w MCC
Surgery, General	351	Inguinal & femoral hernia procedures w CC
Surgery, General	352	Inguinal & femoral hernia procedures w/o CC/MCC
Surgery, General	353	Hernia procedures except inguinal & femoral w MCC
Surgery, General	354	Hernia procedures except inguinal & femoral w CC
Surgery, General	355	Hernia procedures except inguinal & femoral w/o CC/MCC
Surgery, General	356	Other digestive system O.R. procedures w MCC
Surgery, General	357	Other digestive system O.R. procedures w CC
Surgery, General	358	Other digestive system O.R. procedures w/o CC/MCC
Surgery, General	405	Pancreas, liver & shunt procedures w MCC
Surgery, General	406	Pancreas, liver & shunt procedures w CC
Surgery, General	407	Pancreas, liver & shunt procedures w/o CC/MCC
Surgery, General	408	Biliary tract proc except only cholecyst w or w/o c.d.e. w MCC
Surgery, General	409	Biliary tract proc except only cholecyst w or w/o c.d.e. w CC
Surgery, General	410	Biliary tract proc except only cholecyst w or w/o c.d.e. w/o CC/MCC
Surgery, General	411	Cholecystectomy w c.d.e. w MCC
Surgery, General	412	Cholecystectomy w c.d.e. w CC
Surgery, General	413	Cholecystectomy w c.d.e. w/o CC/MCC
Surgery, General	414	Cholecystectomy except by laparoscope w/o c.d.e. w MCC
Surgery, General	415	Cholecystectomy except by laparoscope w/o c.d.e. w CC
Surgery, General	416	Cholecystectomy except by laparoscope w/o c.d.e. w/o CC/MCC
Surgery, General	417	Laparoscopic cholecystectomy w/o c.d.e. w MCC
Surgery, General	418	Laparoscopic cholecystectomy w/o c.d.e. w CC
Surgery, General	419	Laparoscopic cholecystectomy w/o c.d.e. w/o CC/MCC
Surgery, General	420	Hepatobiliary diagnostic procedures w MCC
Surgery, General	421	Hepatobiliary diagnostic procedures w CC
Surgery, General	422	Hepatobiliary diagnostic procedures w/o CC/MCC
Surgery, General	423	Other hepatobiliary or pancreas O.R. procedures w MCC
Surgery, General	424	Other hepatobiliary or pancreas O.R. procedures w CC
Surgery, General	425	Other hepatobiliary or pancreas O.R. procedures w/o CC/MCC

Surgery, General	573	Skin graft &/or debrid for skn ulcer or cellulitis w MCC
Surgery, General	574	Skin graft &/or debrid for skn ulcer or cellulitis w CC
Surgery, General	575	Skin graft &/or debrid for skn ulcer or cellulitis w/o CC/MCC
Surgery, General	576	Skin graft &/or debrid exc for skin ulcer or cellulitis w MCC
Surgery, General	577	Skin graft &/or debrid exc for skin ulcer or cellulitis w CC
Surgery, General	578	Skin graft &/or debrid exc for skin ulcer or cellulitis w/o CC/MCC
Surgery, General	579	Other skin, subcut tiss & breast proc w MCC
Surgery, General	580	Other skin, subcut tiss & breast proc w CC
Surgery, General	581	Other skin, subcut tiss & breast proc w/o CC/MCC
Surgery, General	582	Mastectomy for malignancy w CC/MCC
Surgery, General	583	Mastectomy for malignancy w/o CC/MCC
Surgery, General	584	Breast biopsy, local excision & other breast procedures w CC/MCC
Surgery, General	585	Breast biopsy, local excision & other breast procedures w/o CC/MCC
Surgery, General	614	Adrenal & pituitary procedures w CC/MCC
Surgery, General	615	Adrenal & pituitary procedures w/o CC/MCC
Surgery, General	616	Amputat of lower limb for endocrine,nutrit,& metabol dis w MCC
Surgery, General	617	Amputat of lower limb for endocrine,nutrit,& metabol dis w CC
Surgery, General	618	Amputat of lower limb for endocrine,nutrit,& metabol dis w/o CC/MCC
Surgery, General	619	O.R. procedures for obesity w MCC
Surgery, General	620	O.R. procedures for obesity w CC
Surgery, General	621	O.R. procedures for obesity w/o CC/MCC
Surgery, General	622	Skin grafts & wound debrid for endoc, nutrit & metab dis w MCC
Surgery, General	623	Skin grafts & wound debrid for endoc, nutrit & metab dis w CC
Surgery, General	624	Skin grafts & wound debrid for endoc, nutrit & metab dis w/o CC/MCC
Surgery, General	625	Thyroid, parathyroid & thyroglossal procedures w MCC
Surgery, General	626	Thyroid, parathyroid & thyroglossal procedures w CC
Surgery, General	627	Thyroid, parathyroid & thyroglossal procedures w/o CC/MCC
Surgery, General	628	Other endocrine, nutrit & metab O.R. proc w MCC
Surgery, General	629	Other endocrine, nutrit & metab O.R. proc w CC
Surgery, General	630	Other endocrine, nutrit & metab O.R. proc w/o CC/MCC
Surgery, General	799	Splenectomy w MCC
Surgery, General	800	Splenectomy w CC
Surgery, General	801	Splenectomy w/o CC/MCC
Surgery, General	802	Other O.R. proc of the blood & blood forming organs w MCC
Surgery, General	803	Other O.R. proc of the blood & blood forming organs w CC
Surgery, General	804	Other O.R. proc of the blood & blood forming organs w/o CC/MCC
Surgery, General	820	Lymphoma & leukemia w major O.R. procedure w MCC
Surgery, General	821	Lymphoma & leukemia w major O.R. procedure w CC
Surgery, General	822	Lymphoma & leukemia w major O.R. procedure w/o CC/MCC
Surgery, General	823	Lymphoma & non-acute leukemia w other O.R. proc w MCC
Surgery, General	824	Lymphoma & non-acute leukemia w other O.R. proc w CC
Surgery, General	825	Lymphoma & non-acute leukemia w other O.R. proc w/o CC/MCC
Surgery, General	826	Myeloprolif disord or poorly diff neopl w maj O.R. proc w MCC
Surgery, General	827	Myeloprolif disord or poorly diff neopl w maj O.R. proc w CC
Surgery, General	828	Myeloprolif disord or poorly diff neopl w maj O.R. proc w/o CC/MCC
Surgery, General	829	Myeloprolif disord or poorly diff neopl w other O.R. proc w CC/MCC
Surgery, General	830	Myeloprolif disord or poorly diff neopl w other O.R. proc w/o CC/MCC
Surgery, General	853	Infectious & parasitic diseases w O.R. procedure w MCC
Surgery, General	854	Infectious & parasitic diseases w O.R. procedure w CC
Surgery, General	855	Infectious & parasitic diseases w O.R. procedure w/o CC/MCC
Surgery, General	856	Postoperative or post-traumatic infections w O.R. proc w MCC
Surgery, General	857	Postoperative or post-traumatic infections w O.R. proc w CC
Surgery, General	858	Postoperative or post-traumatic infections w O.R. proc w/o CC/MCC

Surgery, General	876	O.R. procedure w principal diagnoses of mental illness
Surgery, General	901	Wound debridements for injuries w MCC
Surgery, General	902	Wound debridements for injuries w CC
Surgery, General	903	Wound debridements for injuries w/o CC/MCC
Surgery, General	904	Skin grafts for injuries w CC/MCC
Surgery, General	905	Skin grafts for injuries w/o CC/MCC
Surgery, General	907	Other O.R. procedures for injuries w MCC
Surgery, General	908	Other O.R. procedures for injuries w CC
Surgery, General	909	Other O.R. procedures for injuries w/o CC/MCC
Surgery, General	939	O.R. proc w diagnoses of other contact w health services w MCC
Surgery, General	940	O.R. proc w diagnoses of other contact w health services w CC
Surgery, General	941	O.R. proc w diagnoses of other contact w health services w/o CC/MCC
Surgery, General	981	Extensive O.R. procedure unrelated to principal diagnosis w MCC
Surgery, General	982	Extensive O.R. procedure unrelated to principal diagnosis w CC
Surgery, General	983	Extensive O.R. procedure unrelated to principal diagnosis w/o CC/MCC
Surgery, General	984	Prostatic O.R. procedure unrelated to principal diagnosis w MCC
Surgery, General	985	Prostatic O.R. procedure unrelated to principal diagnosis w CC
Surgery, General	986	Prostatic O.R. procedure unrelated to principal diagnosis w/o CC/MCC
Surgery, General	987	Non-extensive O.R. proc unrelated to principal diagnosis w MCC
Surgery, General	988	Non-extensive O.R. proc unrelated to principal diagnosis w CC
Surgery, General	989	Non-extensive O.R. proc unrelated to principal diagnosis w/o CC/MCC
Thoracic Surgery	001	Heart transplant or implant of heart assist system w MCC
Thoracic Surgery	002	Heart transplant or implant of heart assist system w/o MCC
Thoracic Surgery	003	ECMO or trach w MV 96+ hrs or PDX exc face, mouth & neck w maj O.R.
Thoracic Surgery	004	Trach w MV 96+ hrs or PDX exc face, mouth & neck w/o maj O.R.
Thoracic Surgery	007	Lung transplant
Thoracic Surgery	011	Tracheostomy for face,mouth & neck diagnoses w MCC
Thoracic Surgery	012	Tracheostomy for face,mouth & neck diagnoses w CC
Thoracic Surgery	013	Tracheostomy for face,mouth & neck diagnoses w/o CC/MCC
Thoracic Surgery	163	Major chest procedures w MCC
Thoracic Surgery	164	Major chest procedures w CC
Thoracic Surgery	165	Major chest procedures w/o CC/MCC
Thoracic Surgery	166	Other resp system O.R. procedures w MCC
Thoracic Surgery	167	Other resp system O.R. procedures w CC
Thoracic Surgery	168	Other resp system O.R. procedures w/o CC/MCC
Trauma, Burns, Poisoning	183	Major chest trauma w MCC
Trauma, Burns, Poisoning	184	Major chest trauma w CC
Trauma, Burns, Poisoning	185	Major chest trauma w/o CC/MCC
Trauma, Burns, Poisoning	913	Traumatic injury w MCC
Trauma, Burns, Poisoning	914	Traumatic injury w/o MCC
Trauma, Burns, Poisoning	917	Poisoning & toxic effects of drugs w MCC
Trauma, Burns, Poisoning	918	Poisoning & toxic effects of drugs w/o MCC
Trauma, Burns, Poisoning	922	Other injury, poisoning & toxic effect diag w MCC
Trauma, Burns, Poisoning	923	Other injury, poisoning & toxic effect diag w/o MCC
Trauma, Burns, Poisoning	927	Extensive burns or full thickness burns w MV 96+ hrs w skin graft
Trauma, Burns, Poisoning	928	Full thickness burn w skin graft or inhal inj w CC/MCC
Trauma, Burns, Poisoning	929	Full thickness burn w skin graft or inhal inj w/o CC/MCC
Trauma, Burns, Poisoning	933	Extensive burns or full thickness burns w MV 96+ hrs w/o skin graft
Trauma, Burns, Poisoning	934	Full thickness burn w/o skin grft or inhal inj
Trauma, Burns, Poisoning	935	Non-extensive burns
Trauma, Burns, Poisoning	955	Craniotomy for multiple significant trauma
Trauma, Burns, Poisoning	956	Limb reattachment, hip & femur proc for multiple significant trauma
Trauma, Burns, Poisoning	957	Other O.R. procedures for multiple significant trauma w MCC

Trauma, Burns, Poisoning	958	Other O.R. procedures for multiple significant trauma w CC
Trauma, Burns, Poisoning	959	Other O.R. procedures for multiple significant trauma w/o CC/MCC
Trauma, Burns, Poisoning	963	Other multiple significant trauma w MCC
Trauma, Burns, Poisoning	964	Other multiple significant trauma w CC
Trauma, Burns, Poisoning	965	Other multiple significant trauma w/o CC/MCC
Urology	652	Kidney transplant
Urology	653	Major bladder procedures w MCC
Urology	654	Major bladder procedures w CC
Urology	655	Major bladder procedures w/o CC/MCC
Urology	656	Kidney & ureter procedures for neoplasm w MCC
Urology	657	Kidney & ureter procedures for neoplasm w CC
Urology	658	Kidney & ureter procedures for neoplasm w/o CC/MCC
Urology	659	Kidney & ureter procedures for non-neoplasm w MCC
Urology	660	Kidney & ureter procedures for non-neoplasm w CC
Urology	661	Kidney & ureter procedures for non-neoplasm w/o CC/MCC
Urology	662	Minor bladder procedures w MCC
Urology	663	Minor bladder procedures w CC
Urology	664	Minor bladder procedures w/o CC/MCC
Urology	665	Prostatectomy w MCC
Urology	666	Prostatectomy w CC
Urology	667	Prostatectomy w/o CC/MCC
Urology	668	Transurethral procedures w MCC
Urology	669	Transurethral procedures w CC
Urology	670	Transurethral procedures w/o CC/MCC
Urology	671	Urethral procedures w CC/MCC
Urology	672	Urethral procedures w/o CC/MCC
Urology	673	Other kidney & urinary tract procedures w MCC
Urology	674	Other kidney & urinary tract procedures w CC
Urology	675	Other kidney & urinary tract procedures w/o CC/MCC
Urology	691	Urinary stones w esw lithotripsy w CC/MCC
Urology	692	Urinary stones w esw lithotripsy w/o CC/MCC
Urology	693	Urinary stones w/o esw lithotripsy w MCC
Urology	694	Urinary stones w/o esw lithotripsy w/o MCC
Urology	697	Urethral stricture
Urology	707	Major male pelvic procedures w CC/MCC
Urology	708	Major male pelvic procedures w/o CC/MCC
Urology	709	Penis procedures w CC/MCC
Urology	710	Penis procedures w/o CC/MCC
Urology	711	Testes procedures w CC/MCC
Urology	712	Testes procedures w/o CC/MCC
Urology	713	Transurethral prostatectomy w CC/MCC
Urology	714	Transurethral prostatectomy w/o CC/MCC
Urology	715	Other male reproductive system O.R. proc for malignancy w CC/MCC
Urology	716	Other male reproductive system O.R. proc for malignancy w/o CC/MCC
Urology	717	Other male reproductive system O.R. proc exc malignancy w CC/MCC
Urology	718	Other male reproductive system O.R. proc exc malignancy w/o CC/MCC
Urology	725	Benign prostatic hypertrophy w MCC
Urology	726	Benign prostatic hypertrophy w/o MCC
Urology	727	Inflammation of the male reproductive system w MCC
Urology	728	Inflammation of the male reproductive system w/o MCC
Urology	729	Other male reproductive system diagnoses w CC/MCC
Urology	730	Other male reproductive system diagnoses w/o CC/MCC
Vascular Surgery	034	Carotid artery stent procedure w MCC

Vascular Surgery	035	Carotid artery stent procedure w CC
Vascular Surgery	036	Carotid artery stent procedure w/o CC/MCC
Vascular Surgery	037	Extracranial procedures w MCC
Vascular Surgery	038	Extracranial procedures w CC
Vascular Surgery	039	Extracranial procedures w/o CC/MCC
Vascular Surgery	239	Amputation for circ sys disorders exc upper limb & toe w MCC
Vascular Surgery	240	Amputation for circ sys disorders exc upper limb & toe w CC
Vascular Surgery	241	Amputation for circ sys disorders exc upper limb & toe w/o CC/MCC
Vascular Surgery	252	Other vascular procedures w MCC
Vascular Surgery	253	Other vascular procedures w CC
Vascular Surgery	254	Other vascular procedures w/o CC/MCC
Vascular Surgery	255	Upper limb & toe amputation for circ system disorders w MCC
Vascular Surgery	256	Upper limb & toe amputation for circ system disorders w CC
Vascular Surgery	257	Upper limb & toe amputation for circ system disorders w/o CC/MCC
Vascular Surgery	263	Vein ligation & stripping
Vascular Surgery	264	Other circulatory system O.R. procedures
NONE	998	Principal diagnosis invalid as discharge diagnosis
NONE	999	Ungroupable