| Transfer Cases | Payment Adjustment | tunder Global | Revenue and Tota | Dationt Revenue | Models |
|----------------|--------------------------|-----------------|------------------|----------------------|------------|
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January 14, 2015

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Introduction

Under the new All-Payer Model, inter-hospital transfers are an area of concern that must be addressed to ensure that revenue appropriately follows the patient when changes to transfer rates occur and that resources are readily available to care for complex cases. As academic medical centers (AMCs) providing quaternary services, Johns Hopkins Hospital and University of Maryland Medical Center play a distinct role in the health care system by handling a large proportion of highly acute cases, accepting regional referrals, and serving as centers for clinical and technological innovation in the State of Maryland. For global models to be successful in Maryland, different regulatory treatment must be given to specific areas of service at these AMCs that will allow them to function effectively within this new payment structure. Under global models, hospitals are incentivized to lower expenses and volume by taking measures to reduce avoidable utilization and promote care management and quality improvement. This may result in community hospitals transferring complex cases to AMCs in order to get patients the advanced care they need and reduce the high costs associated with those patients. Patients transferred to AMCs are often critically ill or need highly specialized care not available at the transferring hospitals. Utilizing AMCs as regional referral centers may improve outcomes for critically ill patients and thus benefit the entire Maryland health system. AMCs must have the capacity to take on a possible influx of complex cases without facing financial penalty under a global model.

Global budgets change financial incentives. Hospitals aren't motivated to keep highly complex cases that are beyond their capabilities just to garner revenue. There is also a risk that hospitals could take steps to avoid complex cases altogether. In global budget agreements, Health Service Cost Review Commission (HSCRC) has included a number of requirements to monitor and curb such outcomes including:

- Review of changes in severity levels or case mix of patients treated, with possible revenue reductions for declines
- Review of volume declines beyond a specified level
- Potential revenue adjustments for shifts of services between hospitals (referred to as the Market Share Adjustment)

While each of these measures will detect overall changes to utilization patterns, the relatively small number of complex cases makes transfers a special category of focus. HSCRC wants to ensure that financial policies are in place early in the global budget implementation process in order to respond to potential changing patterns, to support the transfer of patients based on their clinical needs, and

to ensure that the receiving entities have the capacity to take on the influx of complex cases without facing financial penalty.

Objectives/Guiding Principles

The HSCRC staff has collected data to aid in the development of a transfer policy. The following are some basic principles to guide the policy's development and implementation.

- The primary consideration is to support the well-being of the transferred patient and to support the provision of the most appropriate treatment. Transfers should occur expressly to serve the best interest of the patient.
- Transfer payment adjustments to the Global Budget Revenues (GBR) or Total Patient Revenues (TPR) should depend upon corridors to avoid minor adjustments.
- The current level and pattern of transfers should be used as a baseline, with subsequent revenue adjustments based on changes in transfer levels above determined thresholds.
- HSCRC should regularly monitor hospitals' changes in transfer patterns for both financial and quality implications.
- Increased transfer charges should be fixed at a predetermined level that is low enough not to pose a barrier to transfers, yet high enough to provide for the average incremental resource needs of the patient.
- Significant changes in the case mix of transfers should be addressed in the review of the AMC's annual budgets.
- Unique circumstances such as changing clinical protocols, different ambulance patterns, or other conditions should be evaluated on a hospital-specific basis.
- As transfers are a special subcategory of market share, HSCRC should take into account any market share adjustments made for them.

Data Collection

HSCRC staff proposes defining transfers as same or next day admissions. This means the admission date to the inpatient admission to AMCs must be on the same day as or the next day after discharge date of the initial admission or emergency visit. The subgroup recommended expanding the definition from same day to next day to include transfers that are admitted after midnight based on the validation results of same day transfers.

HSCRC staff has collected data to aid in the evaluation of transfer cases. Initially, staff focused on the transfer-in/transfer-out recorded in the HSCRC case mix data, representing inpatient-to-inpatient transfers. However, this data did not prove to be accurate for the following reasons:

• There was confusion regarding whether a patient was being transferred from the emergency room or from the inpatient setting. This may be attributable to the increasing numbers of observation cases.

- Referrals were recorded as transfers in this data. There were sometimes multi-day gaps between the transfer out and the transfer in.
- The record of transfers out did not align with the record of transfers in.

In order to overcome these problems, HSCRC staff has used the master patient index (MPI) provided by Chesapeake Regional Information System for Our Patients (CRISP) to track patient flow from one hospital to another so that patients were tracked with direct transfers from emergency room settings as well as inpatient settings. HSCRC staff will request that selected hospitals review this data to ensure that transfers are being properly identified.

DATA VALIDATION RESULTS

The table below provides results from the process of reconciling transfer-out records of transferring hospitals with transfer-in records of AMCs based on data provided to HSCRC as of October 1, 2014. In general, the information received from transferring hospitals validates the measurement counts (Table 1). On the other hand, AMCs indicated that they have found additional transfer cases that were not included in the HSCRC transfer case list (Table 2). Some of these additional transfer cases sent by the University of Maryland Medical Center (UMMC) do not have CRISP ID (3 percent of transfer cases identified by HSCRC), which was further analyzed in partnership with CRISP.

| | Table 1: Validation Results from Referring Hospitals | | | | | | | | | | | | |
|--------|--|--------------------------------------|-----------|------------|---|---|-----------------------|--|--|--|--|-------------------------------------|---|
| ID | Sending Hospital Name | Total Number of Included Cases | | | Total Number of Additional Transfers Sent | Total Number of Additional Transfers met the Inclusion | Percent Additional | Total Number of Additional Transfers Send - Inpatient | CRISP ID NOT FOUND- Inpatient | Additional Transfers that met the Inclusion Criteria from Inpatient | Total Number of Additional Transfers Send - Outpatient | CRISP ID NOT FOUND Outpatient | Additional Transfers that met the Inclusion Criteria from Outpatient |
| 210012 | SINAI | 237 | <u>55</u> | <u>23%</u> | <u>0</u> | <u>0</u> | <u>0%</u> | <u>0</u> | | | | | |
| 210033 | CARROLL COUNTY | <u>511</u> | <u>23</u> | <u>5%</u> | <u>0</u> | <u>0</u> | <u>0%</u> | <u>0</u> | | | | | |
| 210005 | FREDERICK MEMORIAL | <u>398</u> | <u>15</u> | <u>4%</u> | <u>0</u> | <u>0</u> | <u>0%</u> | <u>0</u> | | | | | |
| 210051 | DOCTORS COMMUNITY | <u>153</u> | <u>4</u> | 3% | <u>0</u> | <u>o</u> | <u>0%</u> | <u>0</u> | | | | | |
| 210035 | CHARLES REGIONAL | <u>38</u> | <u>0</u> | 0% | 1186 | 0 | <u>0%</u> | <u>13</u> | | 0 | 1173 | <u>0</u> | 0 |
| | BALTIMORE WASHINGTON MEDICAL CENTER | 127 | <u>0</u> | 0% | <u>776</u> | <u>0</u> | 0% | <u>37</u> | <u>3</u> | <u>o</u> | 725 | <u>11</u> | <u>0</u> |
| 210049 | UPPER CHESAPEAKE HEALTH | <u>137</u> | <u>0</u> | <u>0%</u> | <u>659</u> | <u>0</u> | <u>0%</u> | 90 | | <u>0</u> | <u>569</u> | <u>0</u> | <u>0</u> |
| 210006 | HARFORD | 44 | <u>0</u> | 0% | <u>389</u> | 0 | <u>0%</u> | <u>37</u> | 0 | 0 | <u>352</u> | <u>0</u> | <u>0</u> |
| 210030 | CHESTERTOWN | 28 | <u>0</u> | 0% | 252 | 2 | 0% | <u>5</u> | | 0 | 247 | 0 | 2 |
| 210010 | DORCHESTER | 20 | 0 | 0% | 247 | 1 | 0% | <u>5</u> | | <u>o</u> | 242 | 0 | 1 |
| 210037 | EASTON | 82 | 0 | 0% | 239 | 1 | 0% | 26 | 1 | <u>o</u> | 213 | 1 | 1 |
| 210063 | UM ST. JOSEPH | <u>50</u> | 0 | 0% | 111 | 0 | 0% | 10 | 2 | 0 | 99 | 1 | 0 |
| 210038 | UMMC MIDTOWN | 42 | 0 | 0% | <u></u> | 0 | 0% | 19 | _ | 0 | <u>59</u> | 0 | 0 |
| 210008 | MERCY | <u>283</u> | | | | | | | | | | | |
| 210015 | FRANKLIN SQUARE | 419 | | | | | | | | | | | |
| 210018 | MONTGOMERY GENERAL | <u>59</u> | | | | | | | | | | | |
| 210024 | UNION MEMORIAL | <u>215</u> | | | | | | | | | | | |
| | ST. MARY | <u>79</u> | | | | | | | | | | | |
| 210034 | | <u>299</u> | | | | | | | | | | | |
| | | <u>224</u> | | | | | | | | | | | |
| 210056 | GOOD SAMARITAN HOSPITAL | <u>375</u> | | | | | | | | | | | |
| | REHAB & ORTHO | <u>10</u> | | | | | | | | | | | |
| | SOUTHERN MARYLAND | <u>95</u> | | | | | | | | | | | |
| | QUEEN ANNE'S EMERGENCY CENTER | <u>69</u> | | | | | | | | | | | |
| 218992 | UNIVERSITY OF MD SHOCK TRAUMA | | | | | | | | | | | | |
| Total | | <u>3,994</u> | <u>97</u> | <u>2%</u> | <u>3937</u> | 4 | <u>0%</u> | <u>242</u> | <u>6</u> | <u>o</u> | <u>3679</u> | <u>13</u> | <u>4</u> |

| Table 2: Validat | ion Results from Acader | nic Medical Centers |
|---|----------------------------------|--------------------------|
| Receving Hospital Name | University of Maryland and MIEMS | Johns Hopkins University |
| Total Number of Included Cases | 4,569 | 3,102 |
| Total Number of Cases Disagreed | 0 | |
| Percent Disagree | 0% | |
| Additional Cases Send | 1,387 | |
| Missing EID | 126 | |
| Previous Visit more than 1 day | 1,222 | |
| Same System | 13 | |
| Not From ED | 2 | |
| Total Number of Additional Transfers | 0 | |
| Percent Additional | 0% | |

Transfer Case Exclusions

Certain types of cases have been excluded from the transfer analysis. Each exclusion and its rationale are discussed below:

- Categorical cases were excluded because they are already handled under a different global budget review mechanism. See Appendix A for a detailed definition of categorical cases.
- Non-Maryland resident transfer cases have been excluded. This may require additional evaluation for hospitals located near the State's borders.
- MDC 5 (cardiology and cardiac surgery) cases have been excluded. There are alternative competitors for this care, and the HSCRC staff has focused on those categories where the special resources of an AMC resulted in the transfer.
- Psychiatric transfer cases (based on the receiving institution's recorded APR-DRG of 740,750-760) have been excluded as this is a category where there are a number of institutions providing the service.
- Rehab cases have been excluded (APR_DRG 860, 980-989) based on the planned nature of these transfers.

In addition, transfers within the same hospital or hospital system were excluded from the analysis. Transfers within the same hospital fall under the same global budget. Transfers within a hospital system may reflect resource planning approaches and specialization. While global budgets may be adjusted for these transfers, it should occur through a different process.

Transfer Monitoring Categories

To monitor out-of-state transfers, particularly for border hospitals, and to evaluate the possibility of unintended consequences of the transfer policy, the following additional categories will be closely monitored:

- 1. Transfers that are excluded from payment adjustments
- 2. Transfers to out-of-state providers
- 3. Levels of ED diversion
- 4. Case mix intensity of transfer cases
- 5. Length of stay of transfer cases in sending and receiving hospitals

Transfer Payment Measures

HSCRC staff proposes the following measurement for the payment adjustments.

AMC GBR Transfer Adjustments

On a quarterly basis, AMC GBR budgets are adjusted by the increase or decrease in transfer cases net of population adjustment weighted by the standard transfer cost. The standard cost is calculated as the base year AMC average charge*Price Update*Variable Cost Factor. The adjustments are done separately for patients transferred from inpatient setting and those from emergency departments based on the recommendations from the sub-workgroup. Table 3 below provides the calculation for FY 2015 GBR adjustments using FY2014 transfer rates.

Table 3: Average Adjusted Transfer Cost for FY2015 GBR Adjustments

| Price Update (FY 2015) | Α | 2.41% |
|---|--------------|------------------|
| VCF | В | 50% |
| | | |
| Transfers From ED | | |
| Average Charge of Transfer Cases in FY 2014 | С | \$25,092 |
| Average Transfer Case Adjustment | D= C*(1+A)*E | \$12,848 |
| | | |
| Transfers From Inpatient | | |
| Average Charge of Transfer Cases in CY2013 | Н | \$50,303 |
| Average Transfer Case Adjustment | I= H*(1+A)*I | \$25, 758 |

Standard Transfer Cost for FY 2015

Sending Hospital GBR Transfer Adjustments

Sending hospital transfer rates will be monitored on a quarterly basis and the GBR revenues will be reduced on an annual basis by the increase in transfer cases weighted by the transfer standard cost. The standard transfer cost will be determined according to the formula stated in the AMC adjustment section above. If cumulative payment adjustments to the AMCs exceed 5 percent of the base year transfer charges, HSCRC staff may adjust the transferring hospital GBR budgets during the course of the fiscal year. Otherwise, transfer adjustments will be implemented on an annual basis. For hospitals with increases above a 10 percent threshold and with at least 10 additional transfers, those cases

above the 10 percent threshold will be charged to the budget of the sending GBR hospital, reducing the GBR revenue for the preceding year. If the net amount of transfers for the entire State does not exceed an increase of 5 percent of the base transfers, then no reductions will be made for transfers below a 10 percent threshold. If the net transfer amount exceeds an increase of 5 percent, then the excess will be deducted on a per case basis for those hospitals with increases in transfer cases between 5 percent and 10 percent. Table 4 below illustrates the sample calculation for sending hospitals.

Table 4: Example GBR Transfer Payment Adjustment Calculation for Sending Hospitals

| Α | \$ | 12,885 |
|---------|---------|--|
| : B | \$ | 25,806 |
| | | |
| С | | 100 |
| : D | | 100 |
| E= C+D | | 200 |
| | | |
| F | | 120 |
| : G | | 110 |
| H=F+G | | 230 |
| | | |
| I-H-F | | 30 |
| I-II-L | | 30 |
| | | |
| J=A*C | \$ | 1,288,523 |
| : K=B*D | \$ | 2,580,634 |
| L=J+K | \$ | 3,869,156 |
| | | |
| M=A*F | \$ | 1,546,227 |
| : N=B*G | \$ | 2,838,697 |
| | \$ | 4,384,924 |
| | - | |
| P=O-L | \$ | 515,768 |
| R=L*10% | | 386,916 |
| S=P-L | \$ | (128,852) |
| | | , , - , |
| | | |
| T=L*5% | \$ | 193,458 |
| : U=P-T | \$ | (322,310) |
| | R=L*10% | \$ B \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ |

The trends in transfers will be monitored using monthly case mix data submissions and the CRISP MPI. The adjustments will start with the October-December 2014 period. Table 4 provides the schedule for adjustments for rate year 2016, 2017, and 2018.

Table 5: Transfer Adjustment Schedule

| , | AMC Quarterly A | Adjustments | | Sendir | ng Hospital A | Annual Adjust | ments |
|-------------------------------|-------------------------------|----------------------------------|-------------------------------|-----------------------|----------------------|---------------|-----------|
| Measurement Period | Baseline Period | Transfer Analysis Complete | Budget Adjustment (+/-) | Measurement Period | Budget Adjustment | | |
| Oct-Dec 2014 | Oct-Dec 2013 | Mar-2015 | FY 15 GBR | Oct-Dec 2014 | Oct-Dec 2013 | | FY 16 GBR |
| Jan-Mar 2015 | Jan-Mar 2013 | Jun-2015 | FY 16 GBR | | | | |
| Apr-Jun 2015 | Apr-Jun 2014 | Sep-2015 Dec-2015 | FY 16 GBR FY 16 GBR | CY 15 | CY 14 | Mar-2016 | FY 17 GBR |
| July-Sep 2015 Oct-Dec 2015 | July-Sep 2014 Oct-Dec 2014 | Mar-2016 | FY 16 GBR | | | | |
| Jan-Mar 2016 | Jan-Mar 2015 | Jun-2016 | FY 17 GBR | | | | |
| Apr-Jun 2016 | Apr-Jun 2015 | Sep-2016 | FY 17 GBR | CY 16 | CY 15 | Mar-2017 | FY 18 GBR |
| July-Sep 2016 | July-Sep 2015 | Dec-2016 | FY 17 GBR | C1 10 | C1 13 | iviai-201/ | 11 10 000 |
| Oct-Dec 2016 | Oct-Dec 2015 | Mar-2017 | FY 17 GBR | | | | |

Appendix: Data Analysis Results (Data updated on December 18th, 2014)

| | Table 6: Same Day Transfers Exclusions , FY 2014 | | | | | | | | | | | |
|---|--|-----------|------------|---------|--------|---------|---------------|--|--|--|--|--|
| | | Receiving | g Hospital | | Total | Percent | AMC Percent | | | | | |
| | UMMS | MIEMSS | JHH | Non-AMC | TOTAL | Total | AIVIC Percent | | | | | |
| Total Same Day Transfers | 8,423 | 2,927 | 7,385 | 34,731 | 53,466 | 100% | 35% | | | | | |
| Transfer Exclusions | | | | | | | | | | | | |
| 1. Same Hospital | 689 | 429 | 1414 | 12144 | 14,676 | 27% | - | | | | | |
| 2.Same System | 2923 | 845 | 1514 | 6231 | 11,513 | 22% | - | | | | | |
| 3.Non-Resident | 201 | 123 | 189 | 764 | 1,277 | 2% | - | | | | | |
| 4. MDC 5 | 714 | 23 | 649 | 2272 | 3,658 | 7% | 38% | | | | | |
| 5.Rehab | 0 | 0 | 7 | 1928 | 1,935 | 4% | 0% | | | | | |
| 6.Pysch | 638 | 1 | 229 | 4018 | 4,886 | 9% | 18% | | | | | |
| 7.Categorical Exclusions | 27 | 0 | 12 | 127 | 166 | 0% | 23% | | | | | |
| | | | | | | | | | | | | |
| Sam DayTransfers Included in the Analysis | 3,231 | 1,506 | 3,371 | 7,247 | 15,355 | 29% | 53% | | | | | |

Counts are mutually exclusive in hierarchical order as displayed in the table. *Burn cases at Johns Hopkins Bayview Hospital.

| | Table 7: Same Day Transfers by Source FY 2014 | | | | | | | | | | | |
|-----------------------|---|-------------------|-------|------------|-------------------|----------|---------------|-------------------|---------------|--|--|--|
| | Num | ber of Trans | fers | А | verage Charg | ge | | Total Charge | | | | |
| | So | urce | | So | urce | | Sou | ırce | | | | |
| | From ED | From Inpatient | All | From ED | From Inpatient | All | From ED | From Inpatient | All | | | |
| Receiving Hospital | 1,718 | 1,513 | 3,231 | \$26,473 | \$45,861 | \$35,552 | \$45,481,296 | \$69,387,963 | \$114,869,259 | | | |
| UMMS | | | | | | | | | | | | |
| MIEMSS | 1,216 | 290 | 1,506 | \$28,175 | \$73,843 | \$36,969 | \$34,260,354 | \$21,414,370 | \$55,674,723 | | | |
| JHH | 2,272 | 1115 | 3,387 | \$22,563 | \$50,457 | \$31,745 | \$51,262,129 | \$56,259,273 | \$107,521,401 | | | |
| Total | 5,206 | 2,918 | 8,124 | \$25,164 | \$50,398 | \$34,228 | \$131,003,778 | \$147,061,605 | \$278,065,383 | | | |
| _ | | - | | - | _ | - | _ | | | | | |
| Non-AMC | 5,345 | 2,283 | 7,628 | \$11,024 | \$18,083 | \$13,137 | \$58,922,148 | \$41,283,694 | \$100,205,842 | | | |

| 53 Seizure 208 \$13,206 \$2,746,835 24.75 55 Head trauma w coma >1 hr or hemorrhage 176 \$14,517 \$2,554,978 \$6.11 21 Craniotomy except for trauma 170 \$83,861 \$14,256,431 \$1.93 141 Asthma 169 \$8,595 \$1,452,570 6.73 45 CVA & precerebral occlusion w infarct 166 \$21,513 \$3,571,178 59,33 254 Other digestive system diagnoses 156 \$11,147 \$1,738,913 35.44 44 Intracranial hemorrhage 135 \$24,682 \$3,332,061 61.03 315 Shoulder, upper arm, & forearm procedures 128 \$19,585 \$2,506,623 26.83 4 ECMO or tracheostomy w long term mechanical ventilation w extensive procedure 120 \$262,106 \$31,452,765 \$0.42 58 Other disorders of nervous system 119 \$119,116 \$14,174,807 \$4.36 710 Infectious & parasitic diseases including HIV w O.R. 119 \$119,116 \$14,174,807 | | Table 8: AMC Transfers DRGS with 10 | or More | Cases, FY | 2014 | |
|--|---------|---|---------|------------|--------------|-------------|
| Total Septicemia & disseminated infections 242 \$44,775 \$10,835,476,835 \$12,475 \$10,835,476,835 \$12,475 \$15,845,676 \$15,145 \$ | APR DRG | ADD DDG NAME | | Total char | ges | |
| 53 Seizure 208 \$13,206 \$2,746,835 24.75 55 Head trauma w coma >1 hr or hemorrhage 176 \$14,517 \$2,554,978 \$6.13 21 Craniotomy except for trauma 170 \$83,861 \$14,256,431 \$1.95 141 Asthma 169 \$8,995 \$1,452,570 6.77 45 CVA & precerebral occlusion w infarct 166 \$21,513 \$3,571,178 59,33 254 Other digestive system diagnoses 156 \$11,147 \$1,738,913 35.46 44 Intracranial hemorrhage 135 \$24,682 \$3,332,061 61.01 315 Shoulder, upper arm, & forearm procedures 128 \$19,585 \$2,506,623 26.88 4 ECMO or tracheostomy w long term mechanical ventilation w extensive procedure 120 \$262,106 \$31,452,765 50.42 58 Other disorders of nervous system 119 \$119,116 \$14,174,807 \$4.36 710 Infectious & parasitic diseases including HIV w O.R. 119 \$119,116 \$14,174,807 | Code | APR DRG NAME | N | Mean | Sum | Average Age |
| 55 Head trauma w coma >1 hr or hemorrhage 176 \$14,517 \$2,554,978 \$6.1: 21 Craniotomy except for trauma 170 \$83,861 \$14,256,431 \$1.93 141 Asthma 169 \$8,595 \$1,452,570 6.73 45 CVA & precerebral occlusion w infarct 166 \$21,513 \$3,571,178 \$9,33 254 Other digestive system diagnoses 156 \$11,147 \$1,738,913 35.44 44 Intracranial hemorrhage 135 \$24,682 \$3,332,061 61.03 315 Shoulder, upper arm, & forearm procedures 128 \$19,585 \$2,506,823 26.81 4 ECMO or tracheostomy w long term mechanical ventilation w extensive procedure 120 \$262,106 \$31,452,765 50.42 58 Other disorders of nervous system 119 \$13,616 \$1,620,281 49.66 710 Infectious & parasitic diseases including HIV w O.R. 119 \$11,916 \$14,174,807 \$4.35 313 Knee & lower leg procedures except foot 116 \$36,511 | 720 | Septicemia & disseminated infections | 242 | \$44,775 | \$10,835,475 | 51.14 |
| 21 Craniotomy except for trauma 170 \$83,861 \$14,256,431 \$51,99 141 Ashma 169 \$8,595 \$1,425,570 6.73 45 CVA & precerebral occlusion w infarct 166 \$21,513 \$3,571,178 \$9,33 254 Other digestive system diagnoses 156 \$11,147 \$1,738,913 35,44 44 Intracranial hemorrhage 135 \$24,682 \$3,332,061 61.01 315 Shoulder, upper arm, & forearm procedures 128 \$19,585 \$2,506,823 26,81 4 ECMO or tracheostomy w long term mechanical ventilation w extensive procedure 120 \$262,106 \$31,452,765 \$0,42 58 Other disorders of nervous system 119 \$13,616 \$1,620,281 49,63 710 Infectious & parasitic diseases including HIV w O.R. procedure 119 \$119,116 \$14,74,807 \$4,33 313 Knee & lower leg procedures except foot 116 \$36,511 \$4,235,256 44,25 279 Hepatic coma & other major acute liver disorders 114 | 53 | Seizure | 208 | \$13,206 | \$2,746,835 | 24.79 |
| 141 Asthma 169 \$8,595 \$1,452,570 6.77 45 CVA & precerebral occlusion w infarct 166 \$21,513 \$3,571,178 59.33 254 Other digestive system diagnoses 156 \$11,147 \$1,738,913 35.40 44 Intracranial hemorrhage 135 \$24,682 \$3,332,061 61.03 315 Shoulder, upper arm, & forearm procedures 128 \$19,585 \$2,506,823 26.81 4 ECMO or tracheostomy w long term mechanical ventilation w extensive procedure 120 \$262,106 \$31,452,765 50.42 58 Other disorders of nervous system 119 \$13,616 \$1,620,281 49.66 710 Infectious & parasitic diseases including HIV w O.R. procedure 119 \$119,116 \$14,174,807 54.35 313 Knee & lower leg procedures except foot 116 \$36,511 \$4,235,256 44.25 279 Hepatic coma & other major acute liver disorders 114 \$27,739 \$3,162,203 51.25 333 Cellulitis & other bacterial skin infections | 55 | Head trauma w coma >1 hr or hemorrhage | 176 | \$14,517 | \$2,554,978 | 56.11 |
| 45 CVA & precerebral occlusion w infarct 166 \$21,513 \$3,571,178 \$9.33 254 Other digestive system diagnoses 156 \$11,147 \$1,738,913 35.44 44 Intracranial hemorrhage 135 \$24,682 \$3,332,061 61.03 315 Shoulder, upper arm, & forearm procedures 128 \$19,585 \$2,506,823 26.88 4 ECMO or tracheostomy w long term mechanical ventilation w extensive procedure 120 \$262,106 \$31,452,765 50.42 58 Other disorders of nervous system 119 \$13,616 \$1,620,281 49.63 710 Infectious & parasitic diseases including HIV w O.R. procedure 119 \$119,116 \$14,174,807 \$4.35 313 Knee & lower leg procedures except foot 116 \$36,511 \$4,235,256 44.25 279 Hepatic coma & other major acute liver disorders 114 \$27,739 \$3,162,203 51.22 393 Cellulitis & other bacterial skin infections 105 \$11,047 \$1,159,896 33.1 383 Cellulitis & other | 21 | Craniotomy except for trauma | 170 | \$83,861 | \$14,256,431 | 51.99 |
| 254 Other digestive system diagnoses 156 \$11,147 \$1,738,913 35.44 44 Intracranial hemorrhage 135 \$24,682 \$3,332,061 61.03 315 Shoulder, upper arm, & forearm procedures 128 \$19,585 \$2,506,823 26.88 4 ECMO or tracheostomy w long term mechanical ventilation w extensive procedure 120 \$262,106 \$31,452,765 50.42 58 Other disorders of nervous system 119 \$13,616 \$1,620,281 49.63 710 Infectious & parasitic diseases including HIV w O.R. procedure 119 \$119,116 \$14,174,807 \$4.35 313 Knee & lower leg procedures except foot 116 \$36,511 \$4,235,256 44.25 279 Hepatic coma & other major acute liver disorders 114 \$27,739 \$3,162,203 51.22 383 Cellulitis & other bacterial skin infections 105 \$11,047 \$1,159,896 33.1 384 Cellulitis & other bacterial skin infections 105 \$11,047 \$1,159,896 33.1 387 Other back | 141 | Asthma | 169 | \$8,595 | \$1,452,570 | 6.73 |
| 135 \$24,682 \$3,332,061 61.01 | 45 | CVA & precerebral occlusion w infarct | 166 | \$21,513 | \$3,571,178 | 59.37 |
| 315 Shoulder, upper arm, & forearm procedures 128 \$19,585 \$2,506,823 26.88 | 254 | Other digestive system diagnoses | 156 | \$11,147 | \$1,738,913 | 35.46 |
| ### ECMO or tracheostomy w long term mechanical ventilation w extensive procedure 120 \$262,106 \$31,452,765 \$50.42 158 Other disorders of nervous system 119 \$13,616 \$1,620,281 49.63 1710 Infectious & parasitic diseases including HIV w O.R. procedure 119 \$119,116 \$14,174,807 54.35 1710 Infectious & parasitic diseases including HIV w O.R. procedure 119 \$119,116 \$14,174,807 54.35 1710 Infectious & parasitic diseases including HIV w O.R. procedure 119 \$119,116 \$14,174,807 54.35 1710 Infectious & parasitic diseases including HIV w O.R. procedures 119 \$119,116 \$14,174,807 54.35 1710 S14,174,807 \$4.35 \$1.25 1711 S14,174,807 \$4.35 \$1.25 1711 Post-operative was distributed in the feed of the fe | 44 | Intracranial hemorrhage | 135 | \$24,682 | \$3,332,061 | 61.01 |
| 4 ventilation w extensive procedure 120 \$262,106 \$31,452,765 \$50.4. 58 Other disorders of nervous system 119 \$13,616 \$1,620,281 49.63 710 Infectious & parasitic diseases including HIV w O.R. procedure 119 \$119,116 \$14,174,807 \$4.33 313 Knee & lower leg procedures except foot 116 \$36,511 \$4,235,256 44.29 279 Hepatic coma & other major acute liver disorders 114 \$27,739 \$3,162,203 51.29 139 Other pneumonia 108 \$14,058 \$1,518,261 26.59 383 Cellulitis & other bacterial skin infections 105 \$11,047 \$1,159,896 33.14 721 Post-operative, post-traumatic, other device infections 101 \$17,301 \$1,747,388 46.34 347 Other back & neck disorders, fractures & injuries 93 \$12,485 \$1,161,095 59.00 282 Disorders of pancreas except malignancy 90 \$13,235 \$1,191,168 44.83 308 Hilp & femur procedures for trauma | 315 | Shoulder, upper arm, & forearm procedures | 128 | \$19,585 | \$2,506,823 | 26.88 |
| 710 Infectious & parasitic diseases including HIV w O.R. procedure 119 \$119,116 \$14,174,807 54.33 313 Knee & lower leg procedures except foot 116 \$36,511 \$4,235,256 44.25 279 Hepatic coma & other major acute liver disorders 114 \$27,739 \$3,162,203 51.25 139 Other pneumonia 108 \$14,058 \$1,518,261 26.55 383 Cellulitis & other bacterial skin infections 105 \$11,047 \$1,159,896 33.14 721 Post-operative, post-traumatic, other device infections 101 \$17,301 \$1,747,388 46.34 347 Other back & neck disorders, fractures & injuries 93 \$12,485 \$1,161,095 59.08 282 Disorders of pancreas except malignancy 90 \$13,235 \$1,191,168 44.83 308 Hip & femur procedures for trauma except joint replacement 88 \$36,678 \$3,227,659 56.28 221 Major small & large bowel procedures 86 \$55,876 \$4,805,329 49.06 466 Malfuncti | 4 | | 120 | \$262,106 | \$31,452,765 | 50.42 |
| 119 | 58 | Other disorders of nervous system | 119 | \$13,616 | \$1,620,281 | 49.63 |
| 279 Hepatic coma & other major acute liver disorders 114 \$27,739 \$3,162,203 51.25 139 Other pneumonia 108 \$14,058 \$1,518,261 26.55 383 Cellulitis & other bacterial skin infections 105 \$11,047 \$1,159,896 33.14 721 Post-operative, post-traumatic, other device infections 101 \$17,301 \$1,747,388 46.34 347 Other back & neck disorders, fractures & injuries 93 \$12,485 \$1,161,095 59.08 282 Disorders of pancreas except malignancy 90 \$13,235 \$1,191,168 44.87 308 Hip & femur procedures for trauma except joint replacement 88 \$36,678 \$3,227,659 56.28 221 Major small & large bowel procedures 86 \$55,876 \$4,805,329 49.06 466 Malfunction, reaction, complic of genitourinary device or procedures 83 \$21,342 \$1,771,390 50.86 284 Disorders of gallbladder & biliary tract 78 \$13,029 \$1,016,225 54.5 92 Facial b | 710 | | 119 | \$119,116 | \$14,174,807 | 54.39 |
| 139 Other pneumonia 108 \$14,058 \$1,518,261 26.55 383 Cellulitis & other bacterial skin infections 105 \$11,047 \$1,159,896 33.14 721 Post-operative, post-traumatic, other device infections 101 \$17,301 \$1,747,388 46.34 347 Other back & neck disorders, fractures & injuries 93 \$12,485 \$1,161,095 59.08 282 Disorders of pancreas except malignancy 90 \$13,235 \$1,191,168 44.82 308 Hip & femur procedures for trauma except joint replacement 88 \$36,678 \$3,227,659 56.28 221 Major small & large bowel procedures 86 \$55,876 \$4,805,329 49.06 466 Malfunction, reaction, complic of genitourinary device or proc 83 \$21,342 \$1,771,390 50.86 284 Disorders of gallbladder & biliary tract 78 \$13,029 \$1,016,225 54.9 92 Facial bone procedures except major cranial/facial bone procedures 76 \$24,451 \$1,858,278 35.82 690 < | 313 | Knee & lower leg procedures except foot | 116 | \$36,511 | \$4,235,256 | 44.29 |
| 383 Cellulitis & other bacterial skin infections 105 \$11,047 \$1,159,896 33.14 721 Post-operative, post-traumatic, other device infections 101 \$17,301 \$1,747,388 46.34 347 Other back & neck disorders, fractures & injuries 93 \$12,485 \$1,161,095 59.08 282 Disorders of pancreas except malignancy 90 \$13,235 \$1,191,168 44.82 308 Hip & femur procedures for trauma except joint replacement 88 \$36,678 \$3,227,659 56.28 221 Major small & large bowel procedures 86 \$55,876 \$4,805,329 49.06 466 Malfunction, reaction, complic of genitourinary device or proc 83 \$21,342 \$1,771,390 50.86 284 Disorders of gallbladder & biliary tract 78 \$13,029 \$1,016,225 54.9 92 Facial bone procedures except major cranial/facial bone procedures 76 \$24,451 \$1,858,278 35.83 690 Acute leukemia 74 \$104,607 \$7,740,882 52.77 861 <t< th=""><th>279</th><th>Hepatic coma & other major acute liver disorders</th><td>114</td><td>\$27,739</td><td>\$3,162,203</td><td>51.29</td></t<> | 279 | Hepatic coma & other major acute liver disorders | 114 | \$27,739 | \$3,162,203 | 51.29 |
| 721 Post-operative, post-traumatic, other device infections 101 \$17,301 \$1,747,388 46.34 347 Other back & neck disorders, fractures & injuries 93 \$12,485 \$1,161,095 59.08 282 Disorders of pancreas except malignancy 90 \$13,235 \$1,191,168 44.82 308 Hip & femur procedures for trauma except joint replacement 88 \$36,678 \$3,227,659 56.28 221 Major small & large bowel procedures 86 \$55,876 \$4,805,329 49.06 466 Malfunction, reaction, complic of genitourinary device or proc 83 \$21,342 \$1,771,390 50.86 284 Disorders of gallbladder & biliary tract 78 \$13,029 \$1,016,225 54.9 92 Facial bone procedures except major cranial/facial bone procedures 76 \$24,451 \$1,858,278 35.82 690 Acute leukemia 74 \$104,607 \$7,740,882 52.72 861 Signs, symptoms & other factors influencing health status 73 \$11,662 \$851,354 34.6 420 | 139 | Other pneumonia | 108 | \$14,058 | \$1,518,261 | 26.55 |
| 347 Other back & neck disorders, fractures & injuries 93 \$12,485 \$1,161,095 59.08 282 Disorders of pancreas except malignancy 90 \$13,235 \$1,191,168 44.83 308 Hip & femur procedures for trauma except joint replacement 88 \$36,678 \$3,227,659 56.28 221 Major small & large bowel procedures 86 \$55,876 \$4,805,329 49.06 466 Malfunction, reaction, complic of genitourinary device or proc 83 \$21,342 \$1,771,390 50.86 284 Disorders of gallbladder & biliary tract 78 \$13,029 \$1,016,225 54.9 92 Facial bone procedures except major cranial/facial bone procedures 76 \$24,451 \$1,858,278 35.82 690 Acute leukemia 74 \$104,607 \$7,740,882 52.72 861 Signs, symptoms & other factors influencing health status 73 \$11,662 \$851,354 34.6 420 Diabetes 72 \$9,832 \$707,886 22.13 130 Respiratory system diagnosis w ventilato | 383 | Cellulitis & other bacterial skin infections | 105 | \$11,047 | \$1,159,896 | 33.14 |
| 282 Disorders of pancreas except malignancy 90 \$13,235 \$1,191,168 44.82 308 Hip & femur procedures for trauma except joint replacement 88 \$36,678 \$3,227,659 56.28 221 Major small & large bowel procedures 86 \$55,876 \$4,805,329 49.06 466 Malfunction, reaction, complic of genitourinary device or proc 83 \$21,342 \$1,771,390 50.86 284 Disorders of gallbladder & biliary tract 78 \$13,029 \$1,016,225 54.9 92 Facial bone procedures except major cranial/facial bone procedures 76 \$24,451 \$1,858,278 35.82 690 Acute leukemia 74 \$104,607 \$7,740,882 52.72 861 Signs, symptoms & other factors influencing health status 73 \$11,662 \$851,354 34.6 420 Diabetes 72 \$9,832 \$707,886 22.13 130 Respiratory system diagnosis w ventilator support 96+ hours 68 \$79,287 \$5,391,528 45.45 5 Tracheostomy w long term mechani | 721 | Post-operative, post-traumatic, other device infections | 101 | \$17,301 | \$1,747,388 | 46.34 |
| 308 Hip & femur procedures for trauma except joint replacement 88 \$36,678 \$3,227,659 56.28 221 Major small & large bowel procedures 86 \$55,876 \$4,805,329 49.06 466 Malfunction, reaction, complic of genitourinary device or proc 83 \$21,342 \$1,771,390 50.86 284 Disorders of gallbladder & biliary tract 78 \$13,029 \$1,016,225 54.5 92 Facial bone procedures except major cranial/facial bone procedures 76 \$24,451 \$1,858,278 35.82 690 Acute leukemia 74 \$104,607 \$7,740,882 52.72 861 Signs, symptoms & other factors influencing health status 73 \$11,662 \$851,354 34.6 420 Diabetes 72 \$9,832 \$707,886 22.13 130 Respiratory system diagnosis w ventilator support 96+ hours 68 \$79,287 \$5,391,528 45.49 5 Tracheostomy w long term mechanical ventilation w/o extensive procedure 66 \$169,374 \$11,178,706 55.62 | 347 | Other back & neck disorders, fractures & injuries | 93 | \$12,485 | \$1,161,095 | 59.08 |
| 308 replacement 88 \$36,678 \$3,227,659 56.28 221 Major small & large bowel procedures 86 \$55,876 \$4,805,329 49.06 466 Malfunction, reaction, complic of genitourinary device or proc 83 \$21,342 \$1,771,390 50.86 284 Disorders of gallbladder & biliary tract 78 \$13,029 \$1,016,225 54.5 92 Facial bone procedures except major cranial/facial bone procedures 76 \$24,451 \$1,858,278 35.82 690 Acute leukemia 74 \$104,607 \$7,740,882 52.72 861 Signs, symptoms & other factors influencing health status 73 \$11,662 \$851,354 34.6 420 Diabetes 72 \$9,832 \$707,886 22.13 130 Respiratory system diagnosis w ventilator support 96+ hours 68 \$79,287 \$5,391,528 45.49 5 Tracheostomy w long term mechanical ventilation w/o extensive procedure 66 \$169,374 \$11,178,706 55.62 | 282 | Disorders of pancreas except malignancy | 90 | \$13,235 | \$1,191,168 | 44.82 |
| 466 Malfunction, reaction, complic of genitourinary device or proc 83 \$21,342 \$1,771,390 50.86 284 Disorders of gallbladder & biliary tract 78 \$13,029 \$1,016,225 54.5 92 Facial bone procedures except major cranial/facial bone procedures 76 \$24,451 \$1,858,278 35.82 690 Acute leukemia 74 \$104,607 \$7,740,882 52.72 861 Signs, symptoms & other factors influencing health status 73 \$11,662 \$851,354 34.6 420 Diabetes 72 \$9,832 \$707,886 22.13 130 Respiratory system diagnosis w ventilator support 96+ hours 68 \$79,287 \$5,391,528 45.49 5 Tracheostomy w long term mechanical ventilation w/o extensive procedure 66 \$169,374 \$11,178,706 55.62 | 308 | · · · · · · · · · · · · · · · · · · · | 88 | \$36,678 | \$3,227,659 | 56.28 |
| 284 Disorders of gallbladder & biliary tract 78 \$13,029 \$1,016,225 54.55 92 Facial bone procedures except major cranial/facial bone procedures 76 \$24,451 \$1,858,278 35.82 690 Acute leukemia 74 \$104,607 \$7,740,882 52.72 861 Signs, symptoms & other factors influencing health status 73 \$11,662 \$851,354 34.65 420 Diabetes 72 \$9,832 \$707,886 22.13 130 Respiratory system diagnosis w ventilator support 96+ hours 68 \$79,287 \$5,391,528 45.45 5 Tracheostomy w long term mechanical ventilation w/o extensive procedure 66 \$169,374 \$11,178,706 55.62 5 170 170 170 170 170 170 170 170 18 18 18 18 18 18 18 | 221 | Major small & large bowel procedures | 86 | \$55,876 | \$4,805,329 | 49.06 |
| 92 Facial bone procedures except major cranial/facial bone procedures 76 \$24,451 \$1,858,278 35.82 690 Acute leukemia 74 \$104,607 \$7,740,882 52.72 861 Signs, symptoms & other factors influencing health status 73 \$11,662 \$851,354 34.6 420 Diabetes 72 \$9,832 \$707,886 22.13 130 Respiratory system diagnosis w ventilator support 96+ hours 68 \$79,287 \$5,391,528 45.49 5 Tracheostomy w long term mechanical ventilation w/o extensive procedure \$169,374 \$11,178,706 55.62 | 466 | | 83 | \$21,342 | \$1,771,390 | 50.86 |
| 92 procedures 76 \$24,451 \$1,858,278 35.82 690 Acute leukemia 74 \$104,607 \$7,740,882 52.72 861 Signs, symptoms & other factors influencing health status 73 \$11,662 \$851,354 34.6 420 Diabetes 72 \$9,832 \$707,886 22.13 130 Respiratory system diagnosis w ventilator support 96+ hours 68 \$79,287 \$5,391,528 45.49 5 Tracheostomy w long term mechanical ventilation w/o extensive procedure 66 \$169,374 \$11,178,706 55.62 | 284 | Disorders of gallbladder & biliary tract | 78 | \$13,029 | \$1,016,225 | 54.9 |
| 861 Signs, symptoms & other factors influencing health status 73 \$11,662 \$851,354 34.6 420 Diabetes 72 \$9,832 \$707,886 22.13 130 Respiratory system diagnosis w ventilator support 96+ hours 68 \$79,287 \$5,391,528 45.49 5 Tracheostomy w long term mechanical ventilation w/o extensive procedure 66 \$169,374 \$11,178,706 55.62 | 92 | | 76 | \$24,451 | \$1,858,278 | 35.82 |
| 420 Diabetes 72 \$9,832 \$707,886 22.11 130 Respiratory system diagnosis w ventilator support 96+ hours 68 \$79,287 \$5,391,528 45.49 5 Tracheostomy w long term mechanical ventilation w/o extensive procedure 66 \$169,374 \$11,178,706 55.62 | 690 | Acute leukemia | 74 | \$104,607 | \$7,740,882 | 52.72 |
| Respiratory system diagnosis w ventilator support 96+ 68 \$79,287 \$5,391,528 45.45 Tracheostomy w long term mechanical ventilation w/o extensive procedure 66 \$169,374 \$11,178,706 55.62 | 861 | Signs, symptoms & other factors influencing health status | 73 | \$11,662 | \$851,354 | 34.6 |
| hours Tracheostomy w long term mechanical ventilation w/o extensive procedure 68 \$79,287 \$5,391,528 45.45 66 \$169,374 \$11,178,706 55.62 | 420 | Diabetes | 72 | \$9,832 | \$707,886 | 22.11 |
| extensive procedure 66 \$169,374 \$11,178,706 55.62 | 130 | | 68 | \$79,287 | \$5,391,528 | 45.49 |
| 247 Intestinal obstruction 66 \$11,393 \$751,921 53.27 | 5 | • | 66 | \$169,374 | \$11,178,706 | 55.62 |
| | 247 | Intestinal obstruction | 66 | \$11,393 | \$751,921 | 53.27 |

| | Table 8: AMC Transfers DRGS with 10 or More Cases, FY 2014 | | | | | | | | | |
|---------|---|-----|------------|--------------|-------------|--|--|--|--|--|
| APR DRG | | | Total char | ges | | | | | | |
| Code | APR DRG NAME | N | Mean | Sum | Average Age | | | | | |
| 720 | Septicemia & disseminated infections | 242 | \$44,775 | \$10,835,475 | 51.14 | | | | | |
| 660 | Major hematologic/immunologic diag exc sickle cell crisis & coagul | 65 | \$49,892 | \$3,242,972 | 46.31 | | | | | |
| 133 | Pulmonary edema & respiratory failure | 64 | \$36,562 | \$2,339,988 | 42.39 | | | | | |
| 143 | Other respiratory diagnoses except signs, symptoms, & minor diagnoses | 63 | \$23,723 | \$1,494,562 | 43.87 | | | | | |
| 813 | Other complications of treatment | 63 | \$12,508 | \$787,999 | 50.14 | | | | | |
| 252 | Malfunction, reaction, & complication of GI device or procedure | 62 | \$17,874 | \$1,108,169 | 50.4 | | | | | |
| 283 | Other disorders of the liver | 61 | \$17,719 | \$1,080,840 | 48.66 | | | | | |
| 351 | Other musculoskeletal system & connective tissue diagnoses | 61 | \$10,780 | \$657,550 | 40.87 | | | | | |
| 281 | Malignancy of hepatobiliary system & pancreas | 59 | \$21,494 | \$1,268,162 | 61.19 | | | | | |
| 138 | Bronchiolitis & RSV pneumonia | 58 | \$11,589 | \$672,182 | 1.79 | | | | | |
| 662 | Sickle cell anemia crisis | 58 | \$16,084 | \$932,888 | 25.76 | | | | | |
| 812 | Poisoning of medicinal agents | 58 | \$10,875 | \$630,729 | 22.19 | | | | | |
| 711 | Post-op, post-trauma, other device infections w O.R. procedure | 56 | \$56,729 | \$3,176,822 | 53.61 | | | | | |
| 248 | Major gastrointestinal & peritoneal infections | 53 | \$19,831 | \$1,051,050 | 44.06 | | | | | |
| 463 | Kidney & urinary tract infections | 53 | \$10,466 | \$554,712 | 42.53 | | | | | |
| 41 | Nervous system malignancy | 52 | \$20,199 | \$1,050,363 | 57.83 | | | | | |
| 566 | Other antepartum diagnoses | 52 | \$12,014 | \$624,738 | 26.81 | | | | | |
| 460 | Renal failure | 51 | \$34,194 | \$1,743,876 | 55.57 | | | | | |
| 280 | Alcoholic liver disease | 50 | \$24,102 | \$1,205,082 | 53.16 | | | | | |
| 791 | O.R. procedure for other complications of treatment | 49 | \$41,892 | \$2,052,688 | 56 | | | | | |
| 342 | Fractures & dislocations except femur, pelvis, & back | 48 | \$9,017 | \$432,798 | 43.31 | | | | | |
| 225 | Appendectomy | 47 | \$16,686 | \$784,233 | 13.47 | | | | | |
| 930 | Multiple significant trauma w/o O.R. procedure | 47 | \$18,527 | \$870,780 | 53.89 | | | | | |
| 317 | Tendon, muscle, & other soft tissue procedures | 46 | \$60,051 | \$2,762,347 | 44.65 | | | | | |
| 54 | Migraine & other headaches | 45 | \$7,305 | \$328,717 | 35.71 | | | | | |
| 115 | Other ear, nose, mouth, throat, & cranial/facial diagnoses | 45 | \$11,811 | \$531,510 | 33.49 | | | | | |
| 121 | Other respiratory & chest procedures | 45 | \$55,303 | \$2,488,656 | 50.67 | | | | | |
| 253 | Other & unspecified gastrointestinal hemorrhage | 45 | \$13,929 | \$626,820 | 58.47 | | | | | |
| 844 | Partial thickness burns w or w/o skin graft | 45 | \$4,532 | \$203,922 | 3.47 | | | | | |
| 241 | Peptic ulcer & gastritis | 44 | \$18,624 | \$819,449 | 49.11 | | | | | |
| 384 | Contusion, open wound, & other trauma to skin & subcutaneous tissue | 44 | \$8,204 | \$360,984 | 35.36 | | | | | |
| 113 | Infections of upper respiratory tract | 43 | \$6,495 | \$279,297 | 18.35 | | | | | |
| 22 | Ventricular shunt procedures | 42 | \$52,554 | \$2,207,265 | 33.79 | | | | | |
| 82 | Eye disorders except major infections | 42 | \$10,181 | \$427,598 | 41.48 | | | | | |

| 346 Connective tissue disorders | | Table 8: AMC Transfers DRGS with 10 | or More | Cases, FY | 2014 | |
|--|---------|--|---------|-----------|--------------|-------------|
| Total Tota | APR DRG | | | | | |
| 346 Connective tissue disorders | Code | APR DRG NAME | N | Mean | Sum | Average Age |
| 691 Lymphoma, myeloma & non-acute leukemia | 720 | Septicemia & disseminated infections | 242 | \$44,775 | \$10,835,475 | 51.14 |
| 57 Concussion, closed skull Fx nos, uncomplicated intracranial injury, coma < 1 hr or no coma 40 \$8,633 \$345,306 21 intracranial injury, coma < 1 hr or no coma 663 Other anemia & disorders of blood & blood & blood-forming organs 40 \$9,822 \$392,883 23 301 Hip joint replacement 39 \$55,642 \$2,170,047 66 135 Major chest & respiratory trauma 38 \$14,077 \$534,944 60 249 Non-bacterial gastroenteritis, nausea, & vomiting 38 \$10,128 \$384,858 3. 344 Osteomyelitis, septic arthritis, & other musculoskeletal infections 38 \$28,683 \$1,089,950 41 911 Musculoskeletal & other procedures for multiple significant trauma 37 \$49,633 \$1,836,428 56 23 Spinal procedures 37 \$72,891 \$2,696,980 42 48 Peripheral, cranial, & autonomic nerve disorders 37 \$17,722 \$655,728 41 49 Moderately extensive procedure unrelated to principal diagnosis 37 \$29,814 \$1,103,126 44 | 346 | Connective tissue disorders | 42 | \$31,436 | \$1,320,314 | 49.55 |
| Intracranial injury, coma < 1 hr or no coma | 691 | Lymphoma, myeloma & non-acute leukemia | 41 | \$44,529 | \$1,825,676 | 56.41 |
| 663 organs 40 \$9,822 \$59,883 39 301 Hip joint replacement 39 \$55,642 \$2,170,047 66 135 Major chest & respiratory trauma 38 \$14,077 \$534,944 66 245 Inflammatory bowel disease 38 \$10,128 \$384,858 34 249 Non-bacterial gastroenteritis, nausea, & vomiting 38 \$10,128 \$384,858 34 344 Infections 38 \$22,688 \$1,089,950 45 912 Musculoskeletal & other procedures for multiple significant trauma 38 \$59,225 \$2,250,559 44 20 Craniotomy for trauma 37 \$49,633 \$1,836,428 56 23 Spinal procedures 37 \$72,891 \$2,696,980 44 48 Peripheral, cranial, & autonomic nerve disorders 37 \$17,722 \$655,728 44 951 Moderately extensive procedure unrelated to principal diagnosis 37 \$22,891 \$1,103,126 44 127 < | 57 | l ' ' | 40 | \$8,633 | \$345,306 | 28.45 |
| 135 Major chest & respiratory trauma 38 \$14,077 \$534,944 661 | 663 | _ | 40 | \$9,822 | \$392,883 | 27.9 |
| 245 Inflammatory bowel disease 38 \$19,777 \$751,513 22 249 Non-bacterial gastroenteritis, nausea, & vomiting 38 \$10,128 \$384,858 34 344 Infections 38 \$28,683 \$1,089,950 41 344 Infections 38 \$28,683 \$1,089,950 42 345 Musculoskeletal & other procedures for multiple 38 \$59,225 \$2,250,559 44 346 Significant trauma 37 \$49,633 \$1,836,428 56 20 Craniotomy for trauma 37 \$49,633 \$1,836,428 56 23 Spinal procedures 37 \$72,891 \$2,696,980 24 Peripheral, cranial, & autonomic nerve disorders 37 \$17,722 \$655,728 44 35 Moderately extensive procedure unrelated to principal diagnosis 37 \$66,105 \$2,445,891 56 36 Major respiratory infections & inflammations 37 \$29,814 \$1,103,126 \$44 42 Other infectious & parasitic diseases 37 \$23,307 \$862,342 \$44 43 Pulmonary embolism 36 \$23,795 \$856,624 \$45 240 Digestive malignancy 36 \$17,968 \$646,844 \$66 561 Postpartum & post abortion diagnoses w/o procedure 36 \$3,332 \$119,947 \$25 39 Other ear, nose, mouth, & throat procedures 34 \$9,195 \$312,636 \$46 31 Cervical spinal fusion & other back/neck proc exc disc excis/decomp 34 \$62,146 \$2,112,950 \$66 27 Viral illness 34 \$15,565 \$529,193 \$25 Nontraumatic stupor & coma 33 \$49,099 \$1,620,273 \$55 28 Extracranial vascular procedures 32 \$60,245 \$1,927,833 \$55 29 Extensive procedure unrelated to principal diagnosis 32 \$84,876 \$2,716,044 \$56 20 Major stomach, esophageal, & duodenal procedures 32 \$56,937 \$1,821,982 \$56 251 Abdominal pain 31 \$7,419 \$229,980 33 | 301 | Hip joint replacement | 39 | \$55,642 | \$2,170,047 | 67.95 |
| 249 Non-bacterial gastroenteritis, nausea, & vomiting 38 \$10,128 \$384,858 3.3 344 Osteomyelitis, septic arthritis, & other musculoskeletal infections 38 \$28,683 \$1,089,950 45 912 Musculoskeletal & other procedures for multiple significant trauma 38 \$59,225 \$2,250,559 44 20 Craniotomy for trauma 37 \$49,633 \$1,836,428 56 23 Spinal procedures 37 \$72,891 \$2,696,980 48 951 Moderately extensive procedure unrelated to principal diagnosis 37 \$66,105 \$2,445,891 56 137 Major respiratory infections & inflammations 37 \$29,814 \$1,103,126 44 724 Other infectious & parasitic diseases 37 \$23,307 \$862,342 44 42 Degenerative nervous system disorders exc mult sclerosis 36 \$37,565 \$1,352,347 45 240 Digestive malignancy 36 \$23,795 \$856,624 45 240 Digestive malignancy 36 \$1 | 135 | Major chest & respiratory trauma | 38 | \$14,077 | \$534,944 | 65.45 |
| 344 Osteomyelitis, septic arthritis, & other musculoskeletal infections 38 \$28,683 \$1,089,950 41 | 245 | Inflammatory bowel disease | 38 | \$19,777 | \$751,513 | 29.47 |
| Musculoskeletal & other procedures for multiple significant trauma 38 \$59,225 \$2,250,559 44 | 249 | Non-bacterial gastroenteritis, nausea, & vomiting | 38 | \$10,128 | \$384,858 | 34.37 |
| Significant trauma Signifi | 344 | | 38 | \$28,683 | \$1,089,950 | 47.13 |
| 23 Spinal procedures 37 \$72,891 \$2,696,980 48 Peripheral, cranial, & autonomic nerve disorders 37 \$17,722 \$655,728 44 951 Moderately extensive procedure unrelated to principal diagnosis 37 \$66,105 \$2,445,891 56 137 Major respiratory infections & inflammations 37 \$29,814 \$1,103,126 44 724 Other infectious & parasitic diseases 37 \$23,307 \$862,342 44 42 Degenerative nervous system disorders exc mult sclerosis 36 \$37,565 \$1,352,347 34 134 Pulmonary embolism 36 \$23,795 \$856,624 44 240 Digestive malignancy 36 \$17,968 \$646,844 66 561 Postpartum & post abortion diagnoses w/o procedure 36 \$3,332 \$119,947 27 98 Other ear, nose, mouth, & throat procedures 34 \$16,642 \$565,843 44 114 Dental & oral diseases & injuries 34 \$9,195 \$312,636 4 < | 912 | | 38 | \$59,225 | \$2,250,559 | 46.87 |
| 48 Peripheral, cranial, & autonomic nerve disorders 37 \$17,722 \$655,728 43 951 Moderately extensive procedure unrelated to principal diagnosis 37 \$66,105 \$2,445,891 50 137 Major respiratory infections & inflammations 37 \$29,814 \$1,103,126 44 724 Other infectious & parasitic diseases 37 \$23,307 \$862,342 44 42 Degenerative nervous system disorders exc mult sclerosis 36 \$37,565 \$1,352,347 45 240 Digestive malignancy 36 \$17,968 \$646,844 66 561 Postpartum & post abortion diagnoses w/o procedure 36 \$3,332 \$119,947 22 98 Other ear, nose, mouth, & throat procedures 34 \$16,642 \$565,843 44 114 Dental & oral diseases & injuries 34 \$9,195 \$312,636 4 321 Cervical spinal fusion & other back/neck proc exc disc excis/decomp 34 \$62,146 \$2,112,950 66 723 Viral illness 34 <t< td=""><td>20</td><th>Craniotomy for trauma</th><td>37</td><td>\$49,633</td><td>\$1,836,428</td><td>56.86</td></t<> | 20 | Craniotomy for trauma | 37 | \$49,633 | \$1,836,428 | 56.86 |
| 951 Moderately extensive procedure unrelated to principal diagnosis 37 \$66,105 \$2,445,891 56 137 Major respiratory infections & inflammations 37 \$29,814 \$1,103,126 40 724 Other infectious & parasitic diseases 37 \$23,307 \$862,342 41 42 Degenerative nervous system disorders exc mult sclerosis 36 \$37,565 \$1,352,347 41 134 Pulmonary embolism 36 \$23,795 \$856,624 44 240 Digestive malignancy 36 \$17,968 \$646,844 60 561 Postpartum & post abortion diagnoses w/o procedure 36 \$3,332 \$119,947 22 98 Other ear, nose, mouth, & throat procedures 34 \$16,642 \$565,843 44 114 Dental & oral diseases & injuries 34 \$9,195 \$312,636 4 136 Respiratory malignancy 34 \$29,671 \$1,008,822 6 321 Cervical spinal fusion & other back/neck proc exc disc excis/decomp 34 \$62,146 | 23 | Spinal procedures | 37 | \$72,891 | \$2,696,980 | 59 |
| 137 Major respiratory infections & inflammations 37 \$29,814 \$1,103,126 44 | 48 | Peripheral, cranial, & autonomic nerve disorders | 37 | \$17,722 | \$655,728 | 45.32 |
| 724 Other infectious & parasitic diseases 37 \$23,307 \$862,342 43 42 Degenerative nervous system disorders exc mult sclerosis 36 \$37,565 \$1,352,347 35 134 Pulmonary embolism 36 \$23,795 \$856,624 48 240 Digestive malignancy 36 \$17,968 \$646,844 60 561 Postpartum & post abortion diagnoses w/o procedure 36 \$3,332 \$119,947 21 98 Other ear, nose, mouth, & throat procedures 34 \$16,642 \$565,843 40 114 Dental & oral diseases & injuries 34 \$9,195 \$312,636 40 136 Respiratory malignancy 34 \$29,671 \$1,008,822 60 321 Cervical spinal fusion & other back/neck proc exc disc excis/decomp 34 \$62,146 \$2,112,950 60 723 Viral illness 34 \$15,565 \$529,193 25 52 Nontraumatic stupor & coma 33 \$49,099 \$1,620,273 55 | 951 | , , , | 37 | \$66,105 | \$2,445,891 | 50.32 |
| 42 Degenerative nervous system disorders exc mult sclerosis 36 \$37,565 \$1,352,347 2 134 Pulmonary embolism 36 \$23,795 \$856,624 45 240 Digestive malignancy 36 \$17,968 \$646,844 60 561 Postpartum & post abortion diagnoses w/o procedure 36 \$3,332 \$119,947 22 98 Other ear, nose, mouth, & throat procedures 34 \$16,642 \$565,843 40 114 Dental & oral diseases & injuries 34 \$9,195 \$312,636 4 136 Respiratory malignancy 34 \$29,671 \$1,008,822 66 321 Cervical spinal fusion & other back/neck proc exc disc excis/decomp 34 \$62,146 \$2,112,950 60 723 Viral illness 34 \$15,565 \$529,193 25 52 Nontraumatic stupor & coma 33 \$49,099 \$1,620,273 55 24 Extracranial vascular procedures 32 \$60,245 \$1,927,833 55 95 | 137 | Major respiratory infections & inflammations | 37 | \$29,814 | \$1,103,126 | 40.22 |
| 134 Pulmonary embolism 36 \$23,795 \$856,624 49 240 Digestive malignancy 36 \$17,968 \$646,844 60 561 Postpartum & post abortion diagnoses w/o procedure 36 \$3,332 \$119,947 22 98 Other ear, nose, mouth, & throat procedures 34 \$16,642 \$565,843 40 114 Dental & oral diseases & injuries 34 \$9,195 \$312,636 44 136 Respiratory malignancy 34 \$29,671 \$1,008,822 64 321 Cervical spinal fusion & other back/neck proc exc disc excis/decomp 34 \$62,146 \$2,112,950 60 723 Viral illness 34 \$15,565 \$529,193 25 52 Nontraumatic stupor & coma 33 \$49,099 \$1,620,273 53 24 Extracranial vascular procedures 32 \$60,245 \$1,927,833 53 950 Extensive procedure unrelated to principal diagnosis 32 \$84,876 \$2,716,044 50 220 | 724 | Other infectious & parasitic diseases | 37 | \$23,307 | \$862,342 | 43.35 |
| 240 Digestive malignancy 36 \$17,968 \$646,844 66 561 Postpartum & post abortion diagnoses w/o procedure 36 \$3,332 \$119,947 23 98 Other ear, nose, mouth, & throat procedures 34 \$16,642 \$565,843 46 114 Dental & oral diseases & injuries 34 \$9,195 \$312,636 46 136 Respiratory malignancy 34 \$29,671 \$1,008,822 66 321 Cervical spinal fusion & other back/neck proc exc disc excis/decomp 34 \$62,146 \$2,112,950 66 723 Viral illness 34 \$15,565 \$529,193 25 Sontraumatic stupor & coma 33 \$49,099 \$1,620,273 55 24 Extracranial vascular procedures 32 \$60,245 \$1,927,833 55 950 Extensive procedure unrelated to principal diagnosis 32 \$84,876 \$2,716,044 50 220 Major stomach, esophageal, & duodenal procedures 32 \$56,937 \$1,821,982 56 | 42 | Degenerative nervous system disorders exc mult sclerosis | 36 | \$37,565 | \$1,352,347 | 54.5 |
| 561 Postpartum & post abortion diagnoses w/o procedure 36 \$3,332 \$119,947 27 98 Other ear, nose, mouth, & throat procedures 34 \$16,642 \$565,843 40 114 Dental & oral diseases & injuries 34 \$9,195 \$312,636 4 136 Respiratory malignancy 34 \$29,671 \$1,008,822 64 321 Cervical spinal fusion & other back/neck proc exc disc excis/decomp 34 \$62,146 \$2,112,950 60 723 Viral illness 34 \$15,565 \$529,193 25 52 Nontraumatic stupor & coma 33 \$49,099 \$1,620,273 55 24 Extracranial vascular procedures 32 \$60,245 \$1,927,833 55 950 Extensive procedure unrelated to principal diagnosis 32 \$84,876 \$2,716,044 50 220 Major stomach, esophageal, & duodenal procedures 32 \$56,937 \$1,821,982 56 251 Abdominal pain 31 \$7,419 \$229,980 38 | 134 | Pulmonary embolism | 36 | \$23,795 | \$856,624 | 49.06 |
| 98 Other ear, nose, mouth, & throat procedures 34 \$16,642 \$565,843 46 114 Dental & oral diseases & injuries 34 \$9,195 \$312,636 4 136 Respiratory malignancy 34 \$29,671 \$1,008,822 64 321 Cervical spinal fusion & other back/neck proc exc disc excis/decomp 34 \$62,146 \$2,112,950 66 723 Viral illness 34 \$15,565 \$529,193 25 52 Nontraumatic stupor & coma 33 \$49,099 \$1,620,273 55 24 Extracranial vascular procedures 32 \$60,245 \$1,927,833 55 950 Extensive procedure unrelated to principal diagnosis 32 \$84,876 \$2,716,044 56 220 Major stomach, esophageal, & duodenal procedures 32 \$56,937 \$1,821,982 56 251 Abdominal pain 31 \$7,419 \$229,980 38 | 240 | Digestive malignancy | 36 | \$17,968 | \$646,844 | 60.97 |
| 114 Dental & oral diseases & injuries 34 \$9,195 \$312,636 4 136 Respiratory malignancy 34 \$29,671 \$1,008,822 64 321 Cervical spinal fusion & other back/neck proc exc disc excis/decomp 34 \$62,146 \$2,112,950 60 723 Viral illness 34 \$15,565 \$529,193 25 52 Nontraumatic stupor & coma 33 \$49,099 \$1,620,273 55 24 Extracranial vascular procedures 32 \$60,245 \$1,927,833 55 950 Extensive procedure unrelated to principal diagnosis 32 \$84,876 \$2,716,044 56 220 Major stomach, esophageal, & duodenal procedures 32 \$56,937 \$1,821,982 56 251 Abdominal pain 31 \$7,419 \$229,980 38 | 561 | Postpartum & post abortion diagnoses w/o procedure | 36 | \$3,332 | \$119,947 | 27.97 |
| 136 Respiratory malignancy 34 \$29,671 \$1,008,822 64 321 Cervical spinal fusion & other back/neck proc exc disc excis/decomp 34 \$62,146 \$2,112,950 60 723 Viral illness 34 \$15,565 \$529,193 25 52 Nontraumatic stupor & coma 33 \$49,099 \$1,620,273 55 24 Extracranial vascular procedures 32 \$60,245 \$1,927,833 55 950 Extensive procedure unrelated to principal diagnosis 32 \$84,876 \$2,716,044 56 220 Major stomach, esophageal, & duodenal procedures 32 \$56,937 \$1,821,982 56 251 Abdominal pain 31 \$7,419 \$229,980 38 | 98 | Other ear, nose, mouth, & throat procedures | 34 | \$16,642 | \$565,843 | 40.97 |
| 321 Cervical spinal fusion & other back/neck proc exc disc excis/decomp 34 \$62,146 \$2,112,950 60 723 Viral illness 34 \$15,565 \$529,193 25 52 Nontraumatic stupor & coma 33 \$49,099 \$1,620,273 55 24 Extracranial vascular procedures 32 \$60,245 \$1,927,833 55 950 Extensive procedure unrelated to principal diagnosis 32 \$84,876 \$2,716,044 50 220 Major stomach, esophageal, & duodenal procedures 32 \$56,937 \$1,821,982 56 251 Abdominal pain 31 \$7,419 \$229,980 38 | 114 | Dental & oral diseases & injuries | 34 | \$9,195 | \$312,636 | 40.5 |
| 321 excis/decomp 34 \$62,146 \$2,112,950 66 723 Viral illness 34 \$15,565 \$529,193 29 52 Nontraumatic stupor & coma 33 \$49,099 \$1,620,273 53 24 Extracranial vascular procedures 32 \$60,245 \$1,927,833 59 950 Extensive procedure unrelated to principal diagnosis 32 \$84,876 \$2,716,044 50 220 Major stomach, esophageal, & duodenal procedures 32 \$56,937 \$1,821,982 56 251 Abdominal pain 31 \$7,419 \$229,980 38 | 136 | Respiratory malignancy | 34 | \$29,671 | \$1,008,822 | 64.21 |
| 52 Nontraumatic stupor & coma 33 \$49,099 \$1,620,273 53 24 Extracranial vascular procedures 32 \$60,245 \$1,927,833 55 950 Extensive procedure unrelated to principal diagnosis 32 \$84,876 \$2,716,044 50 220 Major stomach, esophageal, & duodenal procedures 32 \$56,937 \$1,821,982 56 251 Abdominal pain 31 \$7,419 \$229,980 38 | 321 | | 34 | \$62,146 | \$2,112,950 | 60.59 |
| 24 Extracranial vascular procedures 32 \$60,245 \$1,927,833 59 950 Extensive procedure unrelated to principal diagnosis 32 \$84,876 \$2,716,044 50 220 Major stomach, esophageal, & duodenal procedures 32 \$56,937 \$1,821,982 50 251 Abdominal pain 31 \$7,419 \$229,980 38 | 723 | Viral illness | 34 | \$15,565 | \$529,193 | 25.38 |
| 950 Extensive procedure unrelated to principal diagnosis 32 \$84,876 \$2,716,044 50 220 Major stomach, esophageal, & duodenal procedures 32 \$56,937 \$1,821,982 50 251 Abdominal pain 31 \$7,419 \$229,980 38 | 52 | Nontraumatic stupor & coma | 33 | \$49,099 | \$1,620,273 | 52.61 |
| 220 Major stomach, esophageal, & duodenal procedures 32 \$56,937 \$1,821,982 56 251 Abdominal pain 31 \$7,419 \$229,980 38 | 24 | Extracranial vascular procedures | 32 | \$60,245 | \$1,927,833 | 55.91 |
| 251 Abdominal pain 31 \$7,419 \$229,980 38 | 950 | Extensive procedure unrelated to principal diagnosis | 32 | \$84,876 | \$2,716,044 | 50.41 |
| | 220 | Major stomach, esophageal, & duodenal procedures | 32 | \$56,937 | \$1,821,982 | 56.28 |
| 444 B | 251 | Abdominal pain | 31 | \$7,419 | \$229,980 | 38.68 |
| 144 Kespiratory signs, symptoms, & minor diagnoses 30 \$16,279 \$488,361 | 144 | Respiratory signs, symptoms, & minor diagnoses | 30 | \$16,279 | \$488,361 | 36.5 |
| 243 Other esophageal disorders 30 \$10,179 \$305,357 | 243 | Other esophageal disorders | 30 | \$10,179 | \$305,357 | 38.1 |

| | Table 8: AMC Transfers DRGS with 10 | or More | Cases, FY | 2014 | |
|---------|---|---------|-----------|--------------|-------------|
| APR DRG | | | _ | | |
| Code | APR DRG NAME | N | Mean | Sum | Average Age |
| 720 | Septicemia & disseminated infections | 242 | \$44,775 | \$10,835,475 | 51.14 |
| 263 | Laparoscopic cholecystectomy | 30 | \$21,101 | \$633,037 | 43.07 |
| 309 | Hip & femur procedures for non-trauma except joint replacement | 30 | \$69,911 | \$2,097,340 | 40.97 |
| 364 | Other skin, subcutaneous tissue, & related procedures | 30 | \$20,356 | \$610,687 | 39.73 |
| 468 | Other kidney & urinary tract diagnoses, signs, & symptoms | 29 | \$15,700 | \$455,296 | 49.31 |
| 229 | Other digestive system & abdominal procedures | 28 | \$43,209 | \$1,209,854 | 47.79 |
| 244 | Diverticulitis & diverticulosis | 27 | \$15,112 | \$408,024 | 68.74 |
| 304 | Dorsal & lumbar fusion proc except for curvature of back | 27 | \$109,778 | \$2,964,002 | 56.44 |
| 314 | Foot & toe procedures | 26 | \$36,545 | \$950,166 | 43.62 |
| 890 | HIV w multiple major HIV related conditions | 26 | \$49,270 | \$1,281,032 | 46.62 |
| 260 | Major pancreas, liver, & shunt procedures | 25 | \$75,308 | \$1,882,691 | 47.84 |
| 424 | Other endocrine disorders | 25 | \$17,592 | \$439,812 | 51.24 |
| 425 | Electrolyte disorders except hypovolemia related | 25 | \$20,505 | \$512,619 | 46.32 |
| 722 | Fever | 25 | \$9,298 | \$232,455 | 38.96 |
| 305 | Amputation of lower limb except toes | 23 | \$53,569 | \$1,232,098 | 51.83 |
| 385 | Other skin, subcutaneous tissue, & breast disorders | 23 | \$7,479 | \$172,024 | 33.96 |
| 43 | Multiple sclerosis & other demyelinating diseases | 22 | \$27,760 | \$610,730 | 45.36 |
| 56 | Brain contusion/laceration & complicated skull Fx, coma < 1 hr or no coma | 22 | \$9,746 | \$214,420 | 40.55 |
| 816 | Toxic effects of non-medicinal substances | 22 | \$18,386 | \$404,483 | 33.41 |
| 343 | Musculoskeletal malignancy & pathol fracture d/t muscskel malig | 21 | \$34,393 | \$722,251 | 42.57 |
| 633 | Neonate birthwt >2499g w major anomaly | 21 | \$51,696 | \$1,085,612 | 0 |
| 661 | Coagulation & platelet disorders | 21 | \$31,537 | \$662,284 | 41 |
| 815 | Other injury, poisoning, & toxic effect diagnoses | 21 | \$25,420 | \$533,819 | 18.43 |
| 634 | Neonate, birthwt >2499g w resp dist synd/oth maj resp cond | 21 | \$54,095 | \$1,136,005 | 0 |
| 26 | Other nervous system & related procedures | 20 | \$37,781 | \$755,610 | 47.75 |
| 50 | Non-bacterial infections of nervous system exc viral meningitis | 20 | \$36,460 | \$729,195 | 49.95 |
| 775 | Alcohol abuse & dependence | 19 | \$11,216 | \$213,105 | 43.63 |
| 49 | Bacterial & tuberculous infections of nervous system | 18 | \$29,768 | \$535,828 | 48.33 |
| 422 | Hypovolemia & related electrolyte disorders | 18 | \$11,777 | \$211,981 | 51.44 |
| 443 | Kidney & urinary tract procedures for nonmalignancy | 18 | \$32,797 | \$590,349 | 51.39 |
| 631 | Neonate birthwt >2499g w other major procedure | 18 | \$85,544 | \$1,539,793 | 0 |
| 120 | Major respiratory & chest procedures | 17 | \$89,852 | \$1,527,488 | 45.24 |
| 224 | Peritoneal adhesiolysis | 17 | \$32,881 | \$558,972 | 41.12 |

| Table 8: AMC Transfers DRGS with 10 or More Cases, FY 2014 | | | | | | | | |
|--|--|-----|------------|--------------|-------------|--|--|--|
| APR DRG | | | Total char | | | | | |
| Code | Code APR DRG NAME | | Mean | Sum | Average Age | | | |
| 720 | Septicemia & disseminated infections | 242 | \$44,775 | \$10,835,475 | 51.14 | | | |
| 560 | Vaginal delivery | 17 | \$23,410 | \$397,962 | 24.47 | | | |
| 640 | Neonate birthwt >2499g, normal newborn or neonate w other problem | 17 | \$4,148 | \$70,508 | 0 | | | |
| 228 | Inguinal, femoral, & umbilical hernia procedures | 16 | \$22,794 | \$364,710 | 27.31 | | | |
| 312 | Skin graft, except hand, for musculoskeletal & connective tissue diagnoses | 16 | \$91,708 | \$1,467,326 | 45 | | | |
| 320 | Other musculoskeletal system & connective tissue procedures | 16 | \$49,655 | \$794,482 | 50.19 | | | |
| 349 | Malfunction, reaction, complic of orthopedic device or procedure | 16 | \$26,234 | \$419,745 | 58.19 | | | |
| 140 | Chronic obstructive pulmonary disease | 15 | \$10,785 | \$161,780 | 66.53 | | | |
| 142 | Interstitial lung disease | 15 | \$23,020 | \$345,294 | 57.87 | | | |
| 223 | Other small & large bowel procedures | 15 | \$46,177 | \$692,660 | 29.33 | | | |
| 341 | Fracture of pelvis or dislocation of hip | 15 | \$10,430 | \$156,452 | 58.4 | | | |
| 540 | Cesarean delivery | 15 | \$27,199 | \$407,991 | 28.53 | | | |
| 911 | Extensive abdominal/thoracic procedures for mult significant trauma | 15 | \$100,263 | \$1,503,940 | 33 | | | |
| 70 | Orbital procedures | 14 | \$20,028 | \$280,394 | 44.5 | | | |
| 262 | Cholecystectomy except laparoscopic | 14 | \$45,902 | \$642,627 | 66 | | | |
| 340 | Fracture of femur | 14 | \$8,823 | \$123,525 | 31.79 | | | |
| 380 | Skin ulcers | 14 | \$23,798 | \$333,167 | 58.14 | | | |
| 423 | Inborn errors of metabolism | 14 | \$23,125 | \$323,751 | 20 | | | |
| 681 | Other O.R. procedures for lymphatic/hematopoietic/other neoplasms | 14 | \$67,501 | \$945,010 | 58.57 | | | |
| 694 | Lymphatic & other malignancies & neoplasms of uncertain behavior | 14 | \$27,793 | \$389,095 | 55.43 | | | |
| 40 | Spinal disorders & injuries | 13 | \$18,247 | \$237,212 | 60 | | | |
| 47 | Transient ischemia | 13 | \$9,162 | \$119,112 | 54.23 | | | |
| 952 | Nonextensive procedure unrelated to principal diagnosis | 13 | \$32,407 | \$421,289 | 58.08 | | | |
| 222 | Other stomach, esophageal, & duodenal procedures | 12 | \$30,657 | \$367,882 | 4.42 | | | |
| 401 | Pituitary & adrenal procedures | 12 | \$54,971 | \$659,657 | 48.92 | | | |
| 461 | Kidney & urinary tract malignancy | 12 | \$12,078 | \$144,936 | 67.75 | | | |
| 892 | HIV w major HIV related condition | 12 | \$15,473 | \$185,676 | 41.5 | | | |
| 80 | Acute major eye infections | 11 | \$16,008 | \$176,086 | 46.36 | | | |
| 242 | Major esophageal disorders | 11 | \$18,475 | \$203,230 | 51.91 | | | |
| 316 | Hand & wrist procedures | 11 | \$23,597 | \$259,572 | 23.73 | | | |
| 381 | Major skin disorders | 11 | \$5,999 | \$65,993 | 34.45 | | | |
| 421 | Malnutrition, failure to thrive, & other nutritional disorders | 11 | \$13,870 | \$152,573 | 16.18 | | | |

Transfer Cases Payment Adjustment under Global Revenue and Total Patient Revenue Models

| Table 8: AMC Transfers DRGS with 10 or More Cases, FY 2014 | | | | | | | | |
|--|---|-----|------------|--------------|-------------|--|--|--|
| APR DRG Code | APR DRG NAME | | Total char | Average Age | | | | |
| | AFR DRG NAIVIE | | Mean | Sum | Average Age | | | |
| 720 | Septicemia & disseminated infections | 242 | \$44,775 | \$10,835,475 | 51.14 | | | |
| 447 | Other kidney, urinary tract, & related procedures | 11 | \$60,732 | \$668,052 | 47.18 | | | |
| 465 | Urinary stones & acquired upper urinary tract obstruction | 11 | \$8,440 | \$92,837 | 42.45 | | | |
| 513 | Uterine & adnexa procedures for non-malignancy except leiomyoma | 11 | \$21,029 | \$231,319 | 37.18 | | | |
| 773 | Opioid abuse & dependence | 11 | \$5,288 | \$58,173 | 41.91 | | | |
| 46 | Nonspecific CVA & precerebral occlusion w/o infarct | 10 | \$7,424 | \$74,240 | 47.8 | | | |
| 51 | Viral meningitis | 10 | \$13,044 | \$130,442 | 20.9 | | | |
| 131 | Cystic fibrosis - pulmonary disease | 10 | \$12,182 | \$121,824 | 20.9 | | | |

| Table 9: Transfers to AMCs by Sending Hospital, FY2014 | | | | | | | | |
|--|-----------------------------------|--------|------|--------|------|--------|------|-----|
| Receiving Hospital | | | | | | | | |
| Sending Hospital | | UMMS | | MIEMSS | | J⊦ | IH. | |
| | | Source | | Source | | Source | | All |
| | | ED | INPT | ED | INPT | ED | INPT | |
| Prov ID | HOSPITALNAME | | | | | | | |
| 210033 | CARROLL COUNTY | 110 | 76 | 170 | 13 | 136 | 43 | 548 |
| 210011 | ST. AGNES | 114 | 82 | 126 | 19 | 121 | 41 | 503 |
| 210005 | FREDERICK MEMORIAL | 69 | 110 | 53 | 12 | 99 | 91 | 434 |
| 210019 | PENINSULA REGIONAL | 53 | 58 | 73 | 10 | 163 | 62 | 419 |
| 210015 | FRANKLIN SQUARE | 125 | 75 | 44 | 24 | 101 | 47 | 416 |
| 210023 | ANNE ARUNDEL | 42 | 73 | 57 | 18 | 132 | 74 | 396 |
| 210001 | MERITUS | 118 | 75 | 69 | 19 | 67 | 36 | 384 |
| 210056 | GOOD SAMARITAN | 105 | 56 | 72 | 17 | 79 | 37 | 366 |
| 210034 | HARBOR | 76 | 65 | 63 | <10 | 65 | 23 | 298 |
| 210008 | MERCY | 82 | 51 | 21 | <10 | 92 | 24 | 279 |
| 210013 | BON SECOURS | 97 | 44 | 72 | <10 | 36 | 20 | 274 |
| 210040 | NORTHWEST | 70 | 52 | 29 | <10 | 69 | 31 | 257 |
| 210048 | HOWARD COUNTY | 92 | 54 | 88 | 12 | | | 246 |
| 210012 | SINAI | 41 | 55 | 13 | 14 | 76 | 43 | 242 |
| 210044 | G.B.M.C. | 27 | 37 | 26 | <10 | 70 | 67 | 235 |
| 210039 | CALVERT | 69 | 44 | 18 | 10 | 61 | 22 | 224 |
| 210024 | UNION MEMORIAL | 56 | 27 | 27 | <10 | 59 | 19 | 196 |
| 210055 | LAUREL REGIONAL | 47 | 47 | 34 | <10 | 20 | 12 | 169 |
| 210049 | UPPER CHESAPEAKE | | | | | 130 | 32 | 162 |
| | BALTIMORE | | | | | | | |
| 210043 | WASHINGTON MEDICAL CENTER | | | | | 107 | 53 | 160 |
| 210051 | DOCTORS COMMUNITY | 23 | 66 | 23 | <10 | 13 | 22 | 156 |
| 210057 | SHADY GROVE | 11 | 53 | 15 | <10 | 29 | 37 | 153 |
| 210027 | WESTERN MARYLAND HEALTH SYSTEM | 15 | 27 | 11 | <10 | 52 | 23 | 134 |
| 210062 | SOUTHERN MARYLAND | 23 | 36 | 15 | <10 | 30 | 17 | 128 |
| 210061 | ATLANTIC GENERAL | 24 | 41 | 16 | <10 | 29 | <10 | 125 |
| 210003 | PRINCE GEORGE | 37 | 45 | 10 | <10 | 10 | 16 | 124 |
| 210028 | ST. MARY | 33 | 20 | <10 | <10 | 32 | 12 | 109 |
| 210032 | UNION HOSPITAL OF CECIL COUNT | 22 | 30 | <10 | <10 | 27 | 14 | 107 |
| 210004 | HOLY CROSS | 10 | 27 | <10 | <10 | 19 | 24 | 90 |
| 210002 | UNIVERSITY OF MARYLAND | | | | | 52 | 38 | 90 |
| 210037 | EASTON | | | | | 68 | 22 | 90 |
| 210016 | WASHINGTON ADVENTIST | 24 | 34 | <10 | <10 | <10 | 12 | 86 |
| 210088 | QUEEN ANNES | 24 | | 24 | | 20 | | 68 |
| 210009 | JOHNS HOPKINS | 38 | 11 | <10 | <10 | | | 59 |
| 210018 | MONTGOMERY GENERAL | <10 | 10 | <10 | | 30 | <10 | 57 |
| 210063 | UM ST. JOSEPH | | | | | 26 | 24 | 50 |
| 210006 | HARFORD | | | | | 34 | 16 | 50 |
| 210035 | CHARLES REGIONAL | | | • | | 27 | 17 | 44 |
| 210038 | UMMC MIDTOWN | | | • | | 27 | 12 | 39 |
| 210029 | HOPKINS BAYVIEW MED. | 17 | 10 | <10 | <10 | | | 32 |

Transfer Cases Payment Adjustment under Global Revenue and Total Patient Revenue Models

| Table 9: Transfers to AMCs by Sending Hospital, FY2014 | | | | | | | | |
|--|----------------|--------|-------|--------|------|--------|-------|-------|
| | | | | | | | | |
| Sending Hospital | | UMMS | | MIEMSS | | JHH | | All |
| | | Source | | Source | | Source | | |
| | | ED | INPT | ED | INPT | ED | INPT | |
| Prov ID | HOSPITALNAME | | | | | | | |
| 210030 | CHESTERTOWN | | | | | 30 | <10 | 32 |
| 210060 | FT. WASHINGTON | <10 | <10 | <10 | <10 | <10 | <10 | 31 |
| 210022 | SUBURBAN | <10 | <10 | <10 | | | | 19 |
| 210010 | DORCHESTER | | • | ٠ | | 12 | <10 | 15 |
| 210017 | GARRETT COUNTY | | <10 | | <10 | <10 | <10 | <10 |
| 210058 | REHAB & ORTHO | | | ٠ | | | <10 | <10 |
| 210045 | MCCREADY | <10 | | <10 | | <10 | | <10 |
| 210333 | BOWIE HEALTH | <10 | | <10 | • | <10 | | <10 |
| Total | | 1,718 | 1,513 | 1,216 | 290 | 2,271 | 1,115 | 8,123 |

| Table 10: Transfer Charges by Category of Service, FY2014 | | | | | | | |
|---|-------|---------------|--------------|----------------|--|--|--|
| Comitos Lina | | Total charges | | | | | |
| Service Line | N | Mean | Sum | Average Age | | | |
| Neurology | 1,076 | \$18,711 | \$20,133,118 | 47.3 | | | |
| Gastroenterology | 1,004 | \$16,354 | \$16,419,602 | 46.5 | | | |
| General Surgery | 772 | \$55,002 | \$42,461,331 | 46.26 | | | |
| Pulmonary | 680 | \$24,111 | \$16,395,406 | 28.21 | | | |
| Orthopedic Surgery | 576 | \$44,423 | \$25,587,924 | 44.54 | | | |
| Infectious Disease | 535 | \$30,741 | \$16,446,553 | 43.87 | | | |
| Oncology | 382 | \$41,859 | \$15,990,043 | 56.75 | | | |
| Neurological Surgery | 299 | \$70,918 | \$21,204,475 | 50.66 | | | |
| General Medicine | 238 | \$12,312 | \$2,930,290 | 22.62 | | | |
| Nephrology | 220 | \$21,689 | \$4,771,669 | 49.44 | | | |
| Orthopedics | 187 | \$12,316 | \$2,303,065 | 52.65 | | | |
| Hematology | 184 | \$28,429 | \$5,231,027 | 35.22 | | | |
| Ventilator Support | 174 | \$230,999 | \$40,193,908 | 52.84 | | | |
| Trauma | 141 | \$37,214 | \$5,247,143 | 52.35 | | | |
| ENT Surgery | 128 | \$23,318 | \$2,984,743 | 36.07 | | | |
| Injuries/complic. of prior care | 112 | \$25,363 | \$2,840,687 | 52.71 | | | |
| Neonatology | 110 | \$95,536 | \$10,508,940 | 0 | | | |
| Rheumatology | 103 | \$19,203 | \$1,977,864 | 44.41 | | | |
| Other Obstetrics | 99 | \$8,545 | \$845,983 | 26.95 | | | |
| Otolaryngology | 93 | \$8,898 | \$827,481 | 28.8 | | | |
| Endocrinology | 93 | \$17,642 | \$1,640,736 | 41.11 | | | |
| Dermatology | 92 | \$10,132 | \$932,168 | 38.37 | | | |
| Diabetes | 73 | \$9,702 | \$708,253 | 22.1 | | | |
| Spinal Surgery | 70 | \$65,933 | \$4,615,297 | 59.06 | | | |
| Thoracic Surgery | 62 | \$64,461 | \$3,996,569 | 48.98 | | | |
| Urological Surgery | 61 | \$42,634 | \$2,600,701 | 48.08 | | | |
| Ophthalmology | 54 | \$11,881 | \$641,595 | 41.96 | | | |
| HIV | 49 | \$33,265 | \$1,629,974 | 43.2 | | | |
| Substance Abuse | 46 | \$8,550 | \$393,304 | 43.91 | | | |
| Obstetrics/Delivery | 34 | \$25,359 | \$862,206 | 26.79 | | | |
| Dental | 33 | \$9,376 | \$309,396 | 40.3 | | | |
| Gynecological Surg | 23 | \$18,534 | \$426,280 | 36.78 | | | |
| Ophthalmologic Surg | 20 | \$22,992 | \$459,836 | 36.8 | | | |
| Endocrinology Surgery | 18 | \$50,998 | \$917,957 | 54.72 | | | |
| Gynecology | 18 | \$13,752 | \$247,531 | 41.83 | | | |
| Urology | 17 | \$13,732 | \$189,437 | 42.53 | | | |
| Newborn | 10 | \$5,804 | \$58,038 | 0 | | | |
| | 10 | 43,004 | ٥٥٥,٥٥٥ | U | | | |

| Ungroupable | <10 | \$1,739 | \$5,218 | 43.67 |
|---------------------|-----|-----------|-----------|-------|
| Invasive Cardiology | <10 | \$22,308 | \$22,308 | 73 |
| Cardiology | <10 | \$185,498 | \$185,498 | 40 |

Appendix A. Categorical Cases Definitions

1. Categorical Case Exclusions

- 1.1. Solid Organ Transplants APR DRGS = 001, 002, 003, 006 or 440
 (any procedure = 5280, 5282 or 5283 or any procedure = 5280, 5282, 5283, 4100, 4101, 4102, 4103, 4104, 4105, 4106, 4107, 4108 or 3751 Heart Transplantation 4109 or 336 or 3350, 3351, 3352, 5569, 5561, 5281, 5051, or 5059)
- 1.2. Melodysplastic Any Diagnosis = 2387 for Johns Hopkins Oncology Center
- 1.3. JHU Pediatric Burn Cases (Age < 18) 3rd Degree Burns
- 1.4. Johns Hopkins and University Oncology Center
 - 1.4.1. Transplant Cases (Reserve Flag = 1)
 - 1.4.2. Research Cases (Reserve Flag = 2)
 - 1.4.3. Hematological Cases (Reserve Flag = 3)
 - 1.4.4. Transfer in Cases (Reserve Flag = 4)