

## Market Shift Adjustments under Global Revenue Models

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11. **Other:** Cases where EAPGs are assigned various services including: Other; Lab, Pathology, CT/MRI/PET, Radiology

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### APPENDIX III: 30-day Readmission Definition Overview

The methodology for the readmission indicator is based on definitions in Maryland Readmission Reduction Incentive Program. Readmissions are based on 30-day all-payer all hospital (both intra and inter hospital) readmission rates. The readmission logic is run with both inpatient and observation stays with 24 hour or greater length of stay.

The following exclusions are applied in the CY 2015 Program logic:

- Planned readmissions are excluded from the numerator based upon CMS Planned Readmission Algorithm V. 3. The HSCRC has also added all vaginal and C-section deliveries as planned using the APR-DRGs rather than principal diagnosis (APR-DRGs 540, 541, 542, 560). Planned admissions are counted in the denominator because they could have an unplanned readmission.
- All newborn APR-DRG discharges are NOT eligible for a readmission.
- Hospitalizations within 30 days of a hospital discharge where a patient dies is counted as a readmission, however the readmission is removed from the denominator because there cannot be a subsequent readmission.
- Admissions that result in transfers, defined as cases where the discharge date of the admission is on the same day as the admission date of the subsequent admission, are removed from the denominator counts. Thus only one admission is counted in the denominator and that is the admission to the transfer hospital, and it is this discharge date that is used to calculate the 30-day readmission window.
  - In addition the following data cleaning edits are applied:
    - Cases with null or missing Chesapeake Regional Information System unique patient identifiers (CRISP EIDs)
    - Duplicates
    - Negative interval days

HSCRC staff is revising case mix data edits to prevent submission of duplicates and negative intervals which are very rare. In addition CRISP EID matching benchmarks are closely monitored. The percent of inpatient discharges with CRISP EID is currently at 99 percent.

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### APPENDIX IV: Prevention Quality Indicators Overview

The Prevention Quality Indicators (PQIs) are a set of measures that can be used with hospital inpatient discharge data to identify quality of care for "ambulatory care sensitive conditions." These are conditions for which good outpatient care can potentially prevent the need for hospitalization or for which early intervention can prevent complications or more severe disease. The PQIs are population based and adjusted for factors such as age, severity of illness.

Discharges, for patient's ages 18 years and older, that meet the inclusion and exclusion rules for the numerator in any of the following PQIs:

- PQI #1 Diabetes Short-Term Complications
- PQI #3 Diabetes Long-Term Complications
- PQI #5 Chronic Obstructive Pulmonary Disease (COPD) or Asthma in Older Adults
- PQI #7 Hypertension
- PQI #8 Heart Failure
- PQI #10 Dehydration
- PQI #11 Bacterial Pneumonia
- PQI #12 Urinary Tract Infection
- PQI #13 Angina Without Procedure
- PQI #14 Uncontrolled Diabetes
- PQI #15 Asthma in Younger Adults Admission Rate
- PQI #16 Lower-Extremity Amputation among Patients with Diabetes

Discharges that meet the inclusion and exclusion rules for the numerator in more than one of the above PQIs are counted only once in the composite numerator.

Additional information can be accessed at:

[http://www.qualityindicators.ahrq.gov/modules/pqi\\_resources.aspx](http://www.qualityindicators.ahrq.gov/modules/pqi_resources.aspx)

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### APPENDIX V: Categorical Cases Exclusions

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)

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## **APPENDIX VI: Steps for Calculating APR DRG Weights - TBD**

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**APPENDIX VII: EAPG Service Line Map (EAPG version 38)**

APG	APG DESCRIPTION	SERVICE
1	PHOTOCHEMOTHERAPY	Other
2	SUPERFICIAL NEEDLE BIOPSY AND ASPIRATION	Other
3	LEVEL I SKIN INCISION AND DRAINAGE	Minor Surgery
4	LEVEL II SKIN INCISION AND DRAINAGE	Major Surgery
5	NAIL PROCEDURES	Minor Surgery
6	LEVEL I SKIN DEBRIDEMENT AND DESTRUCTION	Minor Surgery
7	LEVEL II SKIN DEBRIDEMENT AND DESTRUCTION	Major Surgery
8	LEVEL III SKIN DEBRIDEMENT AND DESTRUCTION	Major Surgery
9	LEVEL I EXCISION AND BIOPSY OF SKIN AND SOFT TISSUE	Minor Surgery
10	LEVEL II EXCISION AND BIOPSY OF SKIN AND SOFT TISSUE	Major Surgery
11	LEVEL III EXCISION AND BIOPSY OF SKIN AND SOFT TISSUE	Major Surgery
12	LEVEL I SKIN REPAIR	Minor Surgery
13	LEVEL II SKIN REPAIR	Major Surgery
14	LEVEL III SKIN REPAIR	Major Surgery
15	LEVEL IV SKIN REPAIR	Major Surgery
20	LEVEL I BREAST PROCEDURES	Minor Surgery
21	LEVEL II BREAST PROCEDURES	Major Surgery
22	LEVEL III BREAST PROCEDURES	Major Surgery
30	LEVEL I MUSCULOSKELETAL PROCEDURES EXCLUDING HAND AND FOOT	Minor Surgery
31	LEVEL II MUSCULOSKELETAL PROCEDURES EXCLUDING HAND AND FOOT	Major Surgery
32	LEVEL III MUSCULOSKELETAL PROCEDURES EXCLUDING HAND AND FOOT	Major Surgery
33	LEVEL I HAND PROCEDURES	Minor Surgery
34	LEVEL II HAND PROCEDURES	Major Surgery
35	LEVEL I FOOT PROCEDURES	Major Surgery
36	LEVEL II FOOT PROCEDURES	Major Surgery
37	LEVEL I ARTHROSCOPY	Major Surgery
38	LEVEL II ARTHROSCOPY	Major Surgery
39	REPLACEMENT OF CAST	Other
40	SPLINT, STRAPPING AND CAST REMOVAL	Other
41	CLOSED TREATMENT FX & DISLOCATION OF FINGER, TOE & TRUNK	Major Surgery
42	CLOSED TREATMENT FX & DISLOCATION EXC FINGER, TOE & TRUNK	Major Surgery
43	OPEN OR PERCUTANEOUS TREATMENT OF FRACTURES	Major Surgery
44	BONE OR JOINT MANIPULATION UNDER ANESTHESIA	Major Surgery
45	BUNION PROCEDURES	Major Surgery
46	LEVEL I ARTHROPLASTY	Major Surgery
47	LEVEL II ARTHROPLASTY	Major Surgery
48	HAND AND FOOT TENOTOMY	Major Surgery

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APG	APG DESCRIPTION	SERVICE
49	ARTHROCENTESIS AND LIGAMENT OR TENDON INJECTION	Minor Surgery
60	PULMONARY TESTS	Other
61	NEEDLE AND CATHETER BIOPSY, ASPIRATION, LAVAGE AND INTUBATION	Other
62	LEVEL I ENDOSCOPY OF THE UPPER AIRWAY	Minor Surgery
63	LEVEL II ENDOSCOPY OF THE UPPER AIRWAY	Major Surgery
64	ENDOSCOPY OF THE LOWER AIRWAY	Other
65	RESPIRATORY THERAPY	Other
66	PULMONARY REHABILITATION	Rehabilitation
67	VENTILATION ASSISTANCE AND MANAGEMENT	Other
80	EXERCISE TOLERANCE TESTS	Cardiovascular
81	ECHOCARDIOGRAPHY	Cardiovascular
82	CARDIAC ELECTROPHYSIOLOGIC TESTS AND MONITORING	Cardiovascular
83	PLACEMENT OF TRANSVENOUS CATHETERS	Cardiovascular
84	DIAGNOSTIC CARDIAC CATHETERIZATION	Cardiovascular
85	ANGIOPLASTY AND TRANSCATHETER PROCEDURES	Cardiovascular
86	PACEMAKER INSERTION AND REPLACEMENT	Cardiovascular
87	REMOVAL AND REVISION OF PACEMAKER AND VASCULAR DEVICE	Cardiovascular
88	LEVEL I CARDIOTHORACIC PROCEDURES W OR W/O VASCULAR DEVICE	Cardiovascular
89	LEVEL II CARDIOTHORACIC PROCEDURES W OR W/O VASCULAR DEVICE	Cardiovascular
90	SECONDARY VARICOSE VEINS AND VASCULAR INJECTION	Cardiovascular
91	VASCULAR LIGATION AND RECONSTRUCTION	Cardiovascular
92	RESUSCITATION	Cardiovascular
93	CARDIOVERSION	Cardiovascular
94	CARDIAC REHABILITATION	Cardiovascular
95	THROMBOLYSIS	Cardiovascular
96	ATRIAL AND VENTRICULAR RECORDING AND PACING	Cardiovascular
97	AICD IMPLANT	Cardiovascular
110	PHARMACOTHERAPY BY EXTENDED INFUSION	Radiation, Infusion, Chemotherapy
111	PHARMACOTHERAPY EXCEPT BY EXTENDED INFUSION	Radiation, Infusion, Chemotherapy
112	PHLEBOTOMY	Other
113	LEVEL I BLOOD AND BLOOD PRODUCT EXCHANGE	Other
114	LEVEL II BLOOD AND BLOOD PRODUCT EXCHANGE	Other
115	DEEP LYMPH STRUCTURE AND THYROID PROCEDURES	Minor Surgery
116	ALLERGY TESTS	Other
117	HOME INFUSION	Radiation, Infusion, chemotherapy

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APG	APG DESCRIPTION	SERVICE
118	NUTRITION THERAPY	Other
130	ALIMENTARY TESTS AND SIMPLE TUBE PLACEMENT	Major Surgery
131	ESOPHAGEAL DILATION WITHOUT ENDOSCOPY	Other
132	ANOSCOPY WITH BIOPSY AND DIAGNOSTIC PROCTOSIGMOIDOSCOPY	Other
133	PROCTOSIGMOIDOSCOPY WITH EXCISION OR BIOPSY	Other
134	DIAGNOSTIC UPPER GI ENDOSCOPY OR INTUBATION	Other
135	THERAPEUTIC UPPER GI ENDOSCOPY OR INTUBATION	Other
136	DIAGNOSTIC LOWER GASTROINTESTINAL ENDOSCOPY	Other
137	THERAPEUTIC COLONOSCOPY	Other
138	ERCP AND MISCELLANEOUS GI ENDOSCOPY PROCEDURES	Minor Surgery
139	LEVEL I HERNIA REPAIR	Major Surgery
140	LEVEL II HERNIA REPAIR	Major Surgery
141	LEVEL I ANAL AND RECTAL PROCEDURES	Minor Surgery
142	LEVEL II ANAL AND RECTAL PROCEDURES	Major Surgery
143	LEVEL I GASTROINTESTINAL PROCEDURES	Minor Surgery
144	LEVEL II GASTROINTESTINAL PROCEDURES	Major Surgery
145	LEVEL I LAPAROSCOPY	Minor Surgery
146	LEVEL II LAPAROSCOPY	Major Surgery
147	LEVEL III LAPAROSCOPY	Major Surgery
148	LEVEL IV LAPAROSCOPY	Major Surgery
149	SCREENING COLORECTAL SERVICES	Other
160	EXTRACORPOREAL SHOCK WAVE LITHOTRIPSY	Other
161	URINARY STUDIES AND PROCEDURES	Other
162	URINARY DILATATION	Minor Surgery
163	LEVEL I BLADDER AND KIDNEY PROCEDURES	Minor Surgery
164	LEVEL II BLADDER AND KIDNEY PROCEDURES	Major Surgery
165	LEVEL III BLADDER AND KIDNEY PROCEDURES	Major Surgery
166	LEVEL I URETHRA AND PROSTATE PROCEDURES	Minor Surgery
167	LEVEL II URETHRA AND PROSTATE PROCEDURES	Major Surgery
168	HEMODIALYSIS	Other
169	PERITONEAL DIALYSIS	Other
180	TESTICULAR AND EPIDIDYMAL PROCEDURES	Major Surgery
181	CIRCUMCISION	Minor Surgery
182	INSERTION OF PENILE PROSTHESIS	Major Surgery
183	OTHER PENILE PROCEDURES	Major Surgery
184	DESTRUCTION OR RESECTION OF PROSTATE	Major Surgery
185	PROSTATE NEEDLE AND PUNCH BIOPSY	Other
190	ARTIFICIAL FERTILIZATION	Major Surgery

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APG	APG DESCRIPTION	SERVICE
191	LEVEL I FETAL PROCEDURES	Minor Surgery
192	LEVEL II FETAL PROCEDURES	Major Surgery
193	TREATMENT OF INCOMPLETE ABORTION	Major Surgery
194	THERAPEUTIC ABORTION	Major Surgery
195	VAGINAL DELIVERY	Major Surgery
196	LEVEL I FEMALE REPRODUCTIVE PROCEDURES	Minor Surgery
197	LEVEL II FEMALE REPRODUCTIVE PROCEDURES	Major Surgery
198	LEVEL III FEMALE REPRODUCTIVE PROCEDURES	Major Surgery
199	DILATION AND CURETTAGE	Minor Surgery
200	HYSTEROSCOPY	Major Surgery
201	COLPOSCOPY	Other
210	EXTENDED EEG STUDIES	Other
211	ELECTROENCEPHALOGRAM	Other
212	ELECTROCONVULSIVE THERAPY	Other
213	NERVE AND MUSCLE TESTS	Other
214	NERVOUS SYSTEM INJECTIONS, STIMULATIONS OR CRANIAL TAP	Radiology
215	LEVEL I REVISION OR REMOVAL OF NEUROLOGICAL DEVICE	Minor Surgery
216	LEVEL II REVISION OR REMOVAL OF NEUROLOGICAL DEVICE	Major Surgery
217	LEVEL I NERVE PROCEDURES	Major Surgery
218	LEVEL II NERVE PROCEDURES	Major Surgery
219	SPINAL TAP	Major Surgery
220	INJECTION OF ANESTHETIC AND NEUROLYTIC AGENTS	Major Surgery
221	LAMINOTOMY AND LAMINECTOMY	Major Surgery
222	SLEEP STUDIES	Other
223	LEVEL III NERVE PROCEDURES	Major Surgery
224	LEVEL IV NERVE PROCEDURES	Major Surgery
230	MINOR OPHTHALMOLOGICAL TESTS AND PROCEDURES	Minor Surgery
231	FITTING OF CONTACT LENSES	Other
232	LASER EYE PROCEDURES	Major Surgery
233	CATARACT PROCEDURES	Major Surgery
234	LEVEL I ANTERIOR SEGMENT EYE PROCEDURES	Major Surgery
235	LEVEL II ANTERIOR SEGMENT EYE PROCEDURES	Major Surgery
236	LEVEL III ANTERIOR SEGMENT EYE PROCEDURES	Major Surgery
237	LEVEL I POSTERIOR SEGMENT EYE PROCEDURES	Major Surgery
238	LEVEL II POSTERIOR SEGMENT EYE PROCEDURES	Major Surgery
239	STRABISMUS AND MUSCLE EYE PROCEDURES	Major Surgery
240	LEVEL I REPAIR AND PLASTIC PROCEDURES OF EYE	Major Surgery
241	LEVEL II REPAIR AND PLASTIC PROCEDURES OF EYE	Major Surgery

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APG	APG DESCRIPTION	SERVICE
250	COCHLEAR DEVICE IMPLANTATION	Major Surgery
251	OTORHINOLARYNGOLOGIC FUNCTION TESTS	Other
252	LEVEL I FACIAL AND ENT PROCEDURES	Minor Surgery
253	LEVEL II FACIAL AND ENT PROCEDURES	Major Surgery
254	LEVEL III FACIAL AND ENT PROCEDURES	Major Surgery
255	LEVEL IV FACIAL AND ENT PROCEDURES	Major Surgery
256	TONSIL AND ADENOID PROCEDURES	Minor Surgery
257	AUDIOMETRY	Other
270	OCCUPATIONAL THERAPY	Rehabilitation
271	PHYSICAL THERAPY	Physical Therapy
272	SPEECH THERAPY AND EVALUATION	Rehabilitation
273	MANIPULATION THERAPY	Rehabilitation
274	OCCUPATIONAL/PHYSICAL THERAPY, GROUP	Rehabilitation
275	SPEECH THERAPY & EVALUATION, GROUP	Rehabilitation
280	VASCULAR RADIOLOGY EXCEPT VENOGRAPHY OF EXTREMITY	Radiology
281	MAGNETIC RESONANCE ANGIOGRAPHY - HEAD AND/OR NECK	Radiology
282	MAGNETIC RESONANCE ANGIOGRAPHY - CHEST	Radiology
283	MAGNETIC RESONANCE ANGIOGRAPHY - OTHER SITES	Radiology
284	MYELOGRAPHY	Radiology
285	MISCELLANEOUS RADIOLOGICAL PROCEDURES WITH CONTRAST	Radiology
286	MAMMOGRAPHY	Radiology
287	DIGESTIVE RADIOLOGY	Radiology
288	DIAGNOSTIC ULTRASOUND EXCEPT OBSTETRICAL AND VASCULAR OF LOWER EXTREMITIES	Radiology
289	VASCULAR DIAGNOSTIC ULTRASOUND OF LOWER EXTREMITIES	Radiology
290	PET SCANS	CT/MRI/PET
291	BONE DENSITOMETRY	Radiology
292	MRI- ABDOMEN	CT/MRI/PET
293	MRI- JOINTS	CT/MRI/PET
294	MRI- BACK	CT/MRI/PET
295	MRI- CHEST	CT/MRI/PET
296	MRI- OTHER	CT/MRI/PET
297	MRI- BRAIN	CT/MRI/PET
298	CAT SCAN BACK	CT/MRI/PET
299	CAT SCAN - BRAIN	CT/MRI/PET
300	CAT SCAN - ABDOMEN	CT/MRI/PET
301	CAT SCAN - OTHER	CT/MRI/PET
302	ANGIOGRAPHY, OTHER	Radiology

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APG	APG DESCRIPTION	SERVICE
303	ANGIOGRAPHY, CEREBRAL	Radiology
310	DEVELOPMENTAL & NEUROPSYCHOLOGICAL TESTING	Other
311	FULL DAY PARTIAL HOSPITALIZATION FOR SUBSTANCE ABUSE	Psychiatric
312	FULL DAY PARTIAL HOSPITALIZATION FOR MENTAL ILLNESS	Psychiatric
313	HALF DAY PARTIAL HOSPITALIZATION FOR SUBSTANCE ABUSE	Psychiatric
314	HALF DAY PARTIAL HOSPITALIZATION FOR MENTAL ILLNESS	Psychiatric
315	COUNSELLING OR INDIVIDUAL BRIEF PSYCHOTHERAPY	Psychiatric
316	INDIVIDUAL COMPREHENSIVE PSYCHOTHERAPY	Psychiatric
317	FAMILY PSYCHOTHERAPY	Psychiatric
318	GROUP PSYCHOTHERAPY	Psychiatric
319	ACTIVITY THERAPY	Psychiatric
320	CASE MANAGEMENT & TREATMENT PLAN DEVELOPMENT - MENTAL HEALTH OR SUBSTANCE ABUSE	Psychiatric
321	CRISIS INTERVENTION	Psychiatric
322	MEDICATION ADMINISTRATION & OBSERVATION	Psychiatric
323	MENTAL HYGIENE ASSESSMENT	Psychiatric
324	MENTAL HEALTH SCREENING & BRIEF ASSESSMENT	Psychiatric
327	INTENSIVE OUTPATIENT PSYCHIATRIC TREATMENT	Psychiatric
328	DAY REHABILITATION, HALF DAY	Rehabilitation
329	DAY REHABILITATION, FULL DAY	Rehabilitation
330	LEVEL I DIAGNOSTIC NUCLEAR MEDICINE	Other
331	LEVEL II DIAGNOSTIC NUCLEAR MEDICINE	Other
332	LEVEL III DIAGNOSTIC NUCLEAR MEDICINE	Other
340	THERAPEUTIC NUCLEAR MEDICINE	Other
341	RADIATION THERAPY AND HYPERTHERMIA	Radiation, Infusion, chemotherapy
342	LEVEL I AFTERLOADING BRACHYTHERAPY	Radiation, Infusion, chemotherapy
343	RADIATION TREATMENT DELIVERY	Radiation, Infusion, chemotherapy
344	INSTILLATION OF RADIOELEMENT SOLUTIONS	Radiation, Infusion, chemotherapy
345	HYPERTHERMIC THERAPIES	Radiation, Infusion, chemotherapy
346	RADIOSURGERY	Radiation, Infusion, Chemotherapy
347	HIGH ENERGY NEUTRON RADIATION TREATMENT DELIVERY	Radiation, Infusion, Chemotherapy

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APG	APG DESCRIPTION	SERVICE
348	PROTON TREATMENT DELIVERY	Radiation, Infusion, Chemotherapy
349	LEVEL II AFTERLOADING BRACHYTHERAPY	Radiation, Infusion, Chemotherapy
350	LEVEL I ADJUNCTIVE GENERAL DENTAL SERVICES	Other
351	LEVEL II ADJUNCTIVE GENERAL DENTAL SERVICES	Other
352	PERIODONTICS	Other
353	LEVEL I PROSTHODONTICS, FIXED	Other
354	LEVEL II PROSTHODONTICS, FIXED	Other
355	LEVEL III PROSTHODONTICS, FIXED	Other
356	LEVEL I PROSTHODONTICS, REMOVABLE	Other
357	LEVEL II PROSTHODONTICS, REMOVABLE	Other
358	LEVEL III PROSTHODONTICS, REMOVABLE	Other
359	LEVEL I MAXILLOFACIAL PROSTHETICS	Other
360	LEVEL II MAXILLOFACIAL PROSTHETICS	Other
361	LEVEL I DENTAL RESTORATIONS	Other
362	LEVEL II DENTAL RESTORATIONS	Other
363	LEVEL III DENTAL RESTORATION	Other
364	LEVEL I ENDODONTICS	Other
365	LEVEL II ENDODONTICS	Other
366	LEVEL III ENDODONTICS	Other
367	LEVEL I ORAL AND MAXILLOFACIAL SURGERY	Minor Surgery
368	LEVEL II ORAL AND MAXILLOFACIAL SURGERY	Major Surgery
369	LEVEL III ORAL AND MAXILLOFACIAL SURGERY	Major Surgery
370	LEVEL IV ORAL AND MAXILLOFACIAL SURGERY	Major Surgery
371	ORTHODONTICS	Other
372	SEALANT	Other
373	LEVEL I DENTAL FILM	Other
374	LEVEL II DENTAL FILM	Other
375	DENTAL ANESTHESIA	Other
376	DIAGNOSTIC DENTAL PROCEDURES	Minor Surgery
377	PREVENTIVE DENTAL PROCEDURES	Preventive
380	ANESTHESIA	Other
390	LEVEL I PATHOLOGY	Pathology
391	LEVEL II PATHOLOGY	Pathology
392	PAP SMEARS	Pathology
393	BLOOD AND TISSUE TYPING	Lab
394	LEVEL I IMMUNOLOGY TESTS	Lab

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APG	APG DESCRIPTION	SERVICE
395	LEVEL II IMMUNOLOGY TESTS	Lab
396	LEVEL I MICROBIOLOGY TESTS	Lab
397	LEVEL II MICROBIOLOGY TESTS	Lab
398	LEVEL I ENDOCRINOLOGY TESTS	Lab
399	LEVEL II ENDOCRINOLOGY TESTS	Lab
400	LEVEL I CHEMISTRY TESTS	Lab
401	LEVEL II CHEMISTRY TESTS	Lab
402	BASIC CHEMISTRY TESTS	Lab
403	ORGAN OR DISEASE ORIENTED PANELS	Lab
404	TOXICOLOGY TESTS	Lab
405	THERAPEUTIC DRUG MONITORING	Lab
406	LEVEL I CLOTTING TESTS	Lab
407	LEVEL II CLOTTING TESTS	Lab
408	LEVEL I HEMATOLOGY TESTS	Lab
409	LEVEL II HEMATOLOGY TESTS	Lab
410	URINALYSIS	Lab
411	BLOOD AND URINE DIPSTICK TESTS	Lab
412	SIMPLE PULMONARY FUNCTION TESTS	Other
413	CARDIOGRAM	Other
414	LEVEL I IMMUNIZATION	Other
415	LEVEL II IMMUNIZATION	Other
416	LEVEL III IMMUNIZATION	Other
417	MINOR REPRODUCTIVE PROCEDURES	Minor Surgery
418	MINOR CARDIAC AND VASCULAR TESTS	Other
419	MINOR OPHTHALMOLOGICAL INJECTION, SCRAPING AND TESTS	Other
420	PACEMAKER AND OTHER ELECTRONIC ANALYSIS	Other
421	TUBE CHANGE	Other
422	PROVISION OF VISION AIDS	Other
423	INTRODUCTION OF NEEDLE AND CATHETER	Other
424	DRESSINGS AND OTHER MINOR PROCEDURES	Minor Surgery
425	OTHER MISCELLANEOUS ANCILLARY PROCEDURES	Minor Surgery
426	PSYCHOTROPIC MEDICATION MANAGEMENT	Other
427	BIOFEEDBACK AND OTHER TRAINING	Other
428	PATIENT EDUCATION, INDIVIDUAL	Other
429	PATIENT EDUCATION, GROUP	Other
430	CLASS I CHEMOTHERAPY DRUGS	Radiation, Infusion, Chemotherapy

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APG	APG DESCRIPTION	SERVICE
431	CLASS II CHEMOTHERAPY DRUGS	Radiation, Infusion, Chemotherapy
432	CLASS III CHEMOTHERAPY DRUGS	Radiation, Infusion, Chemotherapy
433	CLASS IV CHEMOTHERAPY DRUGS	Radiation, Infusion, Chemotherapy
434	CLASS V CHEMOTHERAPY DRUGS	Radiation, Infusion, Chemotherapy
435	CLASS I PHARMACOTHERAPY	Drugs
436	CLASS II PHARMACOTHERAPY	Drugs
437	CLASS III PHARMACOTHERAPY	Drugs
438	CLASS IV PHARMACOTHERAPY	Drugs
439	CLASS V PHARMACOTHERAPY	Drugs
440	CLASS VI PHARMACOTHERAPY	Drugs
441	CLASS VI CHEMOTHERAPY DRUGS	Radiation, Infusion, Chemotherapy
443	CLASS VII CHEMOTHERAPY DRUGS	Radiation, Infusion, Chemotherapy
444	CLASS VII PHARMACOTHERAPY	Drugs
448	EXPANDED HOURS ACCESS	Other
449	ADDITIONAL UNDIFFERENTIATED MEDICAL VISITS/SERVICES	Other
450	OBSERVATION	Observation
451	SMOKING CESSATION TREATMENT	Other
452	DIABETES SUPPLIES	Other
453	MOTORIZED WHEELCHAIR	Other
454	TPN FORMULAE	Other
455	IMPLANTED TISSUE OF ANY TYPE	Other
456	MOTORIZED WHEELCHAIR ACCESSORIES	Other
457	VENIPUNCTURE	Other
458	ALLERGY THERAPY	Other
459	VACCINE ADMINISTRATION	Other
460	CLASS VIII COMBINED CHEMOTHERAPY AND PHARMACOTHERAPY	Radiation, Infusion, Chemotherapy
461	CLASS IX COMBINED CHEMOTHERAPY AND PHARMACOTHERAPY	Radiation, Infusion, Chemotherapy
462	CLASS X COMBINED CHEMOTHERAPY AND PHARMACOTHERAPY	Radiation, Infusion, Chemotherapy
463	CLASS XI COMBINED CHEMOTHERAPY AND PHARMACOTHERAPY	Radiation, Infusion, Chemotherapy

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APG	APG DESCRIPTION	SERVICE
464	CLASS XII COMBINED CHEMOTHERAPY AND PHARMACOTHERAPY	Radiation, Infusion, Chemotherapy
465	CLASS XIII COMBINED CHEMOTHERAPY AND PHARMACOTHERAPY	Radiation, Infusion, Chemotherapy
470	OBSTETRICAL ULTRASOUND	Radiology
471	PLAIN FILM	Radiology
472	ULTRASOUND GUIDANCE	Radiology
473	CT GUIDANCE	CT/MRI/PET
474	RADIOLOGICAL GUIDANCE FOR THERAPEUTIC OR DIAGNOSTIC PROCEDURES	Radiology
475	MRI GUIDANCE	CT/MRI/PET
476	LEVEL I THERAPEUTIC RADIATION TREATMENT PREPARATION	Radiology
477	LEVEL II THERAPEUTIC RADIATION TREATMENT PREPARATION	Radiology
478	MEDICAL RADIATION PHYSICS	Radiology
479	TREATMENT DEVICE DESIGN AND CONSTRUCTION	Radiology
480	TELETHERAPY/BRACHYTHERAPY CALCULATION	Radiology
481	THERAPEUTIC RADIOLOGY SIMULATION FIELD SETTING	Radiology
482	RADIOELEMENT APPLICATION	Radiation, Infusion, Chemotherapy
483	RADIATION THERAPY MANAGEMENT	Radiation, Infusion, Chemotherapy
484	THERAPEUTIC RADIOLOGY TREATMENT PLANNING	Radiology
485	CORNEAL TISSUE PROCESSING	Other
490	INCIDENTAL TO MEDICAL, SIGNIFICANT PROCEDURE OR THERAPY VISIT	Other
491	MEDICAL VISIT INDICATOR	Other
492	ENCOUNTER/REFERRAL FOR OBSERVATION INDICATOR	Other
495	MINOR CHEMOTHERAPY DRUGS	Radiation, Infusion, Chemotherapy
496	MINOR PHARMACOTHERAPY	Drugs
500	ENCOUNTER/REFERRAL FOR OBSERVATION - OBSTETRICAL	Other
501	ENCOUNTER/REFERRAL FOR OBSERVATION - OTHER DIAGNOSES	Other
502	ENCOUNTER/REFERRAL FOR OBSERVATION - BEHAVIORAL HEALTH	Other
510	MAJOR SIGNS, SYMPTOMS AND FINDINGS	Other
520	SPINAL DISORDERS & INJURIES	Other
521	NERVOUS SYSTEM MALIGNANCY	Radiation, Infusion, Chemotherapy
522	DEGENERATIVE NERVOUS SYSTEM DISORDERS EXC MULT SCLEROSIS	Other
523	MULTIPLE SCLEROSIS & OTHER DEMYELINATING DISEASES	Other
524	LEVEL I CNS DISORDERS	Other

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APG	APG DESCRIPTION	SERVICE
525	LEVEL II CNS DISORDERS	Other
526	TRANSIENT ISCHEMIA	Other
527	PERIPHERAL NERVE DISORDERS	Other
528	NONTRAUMATIC STUPOR & COMA	Other
529	SEIZURE	Other
530	HEADACHES OTHER THAN MIGRAINE	Other
531	MIGRAINE	Other
532	HEAD TRAUMA	Other
533	AFTEREFFECTS OF CEREBROVASCULAR ACCIDENT	Other
534	NONSPECIFIC CVA & PRECEREBRAL OCCLUSION W/O INFARCT	Other
535	CVA & PRECEREBRAL OCCLUSION W INFARCT	Other
536	CEREBRAL PALSY	Other
550	ACUTE MAJOR EYE INFECTIONS	Other
551	CATARACTS	Other
552	GLAUCOMA	Other
553	LEVEL I OTHER OPHTHALMIC DIAGNOSES	Other
554	LEVEL II OTHER OPHTHALMIC DIAGNOSES	Other
555	CONJUNCTIVITIS	Other
560	EAR, NOSE, MOUTH, THROAT, CRANIAL/FACIAL MALIGNANCIES	Other
561	VERTIGINOUS DISORDERS EXCEPT FOR BENIGN VERTIGO	Other
562	INFECTIONS OF UPPER RESPIRATORY TRACT & OTITIS MEDIA	Other
563	DENTAL & ORAL DISEASES & INJURIES	Other
564	LEVEL I OTHER EAR, NOSE, MOUTH, THROAT & CRANIAL/FACIAL DIAGNOSES	Other
565	LEVEL II OTHER EAR, NOSE, MOUTH, THROAT & CRANIAL/FACIAL DIAGNOSES	Other
570	CYSTIC FIBROSIS - PULMONARY DISEASE	Other
571	RESPIRATORY MALIGNANCY	Other
572	BRONCHIOLITIS & RSV PNEUMONIA	Other
573	COMMUNITY ACQUIRED PNEUMONIA	Other
574	CHRONIC OBSTRUCTIVE PULMONARY DISEASE	Other
575	ASTHMA	Other
576	LEVEL I OTHER RESPIRATORY DIAGNOSES	Other
577	LEVEL II OTHER RESPIRATORY DIAGNOSES	Other
578	PNEUMONIA EXCEPT FOR COMMUNITY ACQUIRED PNEUMONIA	Other
579	STATUS ASTHMATICUS	Other
591	ACUTE MYOCARDIAL INFARCTION	Other
592	LEVEL I CARDIOVASCULAR DIAGNOSES	Other
593	LEVEL II CARDIOVASCULAR DIAGNOSES	Other

## Market Shift Adjustments under Global Revenue Models

Updated-5/6/2015

APG	APG DESCRIPTION	SERVICE
594	HEART FAILURE	Other
595	CARDIAC ARREST	Other
596	PERIPHERAL & OTHER VASCULAR DISORDERS	Other
597	PHLEBITIS	Other
598	ANGINA PECTORIS & CORONARY ATHEROSCLEROSIS	Other
599	HYPERTENSION	Other
600	CARDIAC STRUCTURAL & VALVULAR DISORDERS	Other
601	LEVEL I CARDIAC ARRHYTHMIA & CONDUCTION DISORDERS	Other
602	ATRIAL FIBRILLATION	Other
603	LEVEL II CARDIAC ARRHYTHMIA & CONDUCTION DISORDERS	Other
604	CHEST PAIN	Other
605	SYNCOPE & COLLAPSE	Other
620	DIGESTIVE MALIGNANCY	Radiation, Infusion, Chemotherapy
621	PEPTIC ULCER & GASTRITIS	Other
623	ESOPHAGITIS	Other
624	LEVEL I GASTROINTESTINAL DIAGNOSES	Other
625	LEVEL II GASTROINTESTINAL DIAGNOSES	Other
626	INFLAMMATORY BOWEL DISEASE	Other
627	NON-BACTERIAL GASTROENTERITIS, NAUSEA & VOMITING	Other
628	ABDOMINAL PAIN	Other
629	MALFUNCTION, REACTION & COMPLICATION OF GI DEVICE OR PROCEDURE	Other
630	CONSTIPATION	Other
631	HERNIA	Other
632	IRRITABLE BOWEL SYNDROME	Other
633	ALCOHOLIC LIVER DISEASE	Other
634	MALIGNANCY OF HEPATOBILIARY SYSTEM & PANCREAS	Radiation, Infusion, Chemotherapy
635	DISORDERS OF PANCREAS EXCEPT MALIGNANCY	Other
636	HEPATITIS WITHOUT COMA	Other
637	DISORDERS OF GALLBLADDER & BILIARY TRACT	Other
638	CHOLECYSTITIS	Other
639	LEVEL I HEPATOBILIARY DIAGNOSES	Other
640	LEVEL II HEPATOBILIARY DIAGNOSES	Other
650	FRACTURE OF FEMUR	Other
651	FRACTURE OF PELVIS OR DISLOCATION OF HIP	Other
652	FRACTURES & DISLOCATIONS EXCEPT FEMUR, PELVIS & BACK	Other
653	MUSCULOSKELETAL MALIGNANCY & PATHOLOGICAL FRACTURES	Other

## Market Shift Adjustments under Global Revenue Models

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APG	APG DESCRIPTION	SERVICE
654	OSTEOMYELITIS, SEPTIC ARTHRITIS & OTHER MUSCULOSKELETAL INFECTIONS	Other
655	CONNECTIVE TISSUE DISORDERS	Other
656	BACK & NECK DISORDERS EXCEPT LUMBAR DISC DISEASE	Other
657	LUMBAR DISC DISEASE	Other
658	LUMBAR DISC DISEASE WITH SCIATICA	Other
659	MALFUNCTION, REACTION, COMPLIC OF ORTHOPEDIC DEVICE OR PROCEDURE	Other
660	LEVEL I OTHER MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE DIAGNOSES	Other
661	LEVEL II OTHER MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE DIAGNOSES	Other
662	OSTEOPOROSIS	Other
663	PAIN	Other
670	SKIN ULCERS	Other
671	MAJOR SKIN DISORDERS	Other
672	MALIGNANT BREAST DISORDERS	Radiation, Infusion, Chemotherapy
673	CELLULITIS & OTHER BACTERIAL SKIN INFECTIONS	Other
674	CONTUSION, OPEN WOUND & OTHER TRAUMA TO SKIN & SUBCUTANEOUS TISSUE	Other
675	OTHER SKIN, SUBCUTANEOUS TISSUE & BREAST DISORDERS	Other
676	DECUBITUS ULCER	Other
690	MALNUTRITION, FAILURE TO THRIVE & OTHER NUTRITIONAL DISORDERS	Other
691	INBORN ERRORS OF METABOLISM	Other
692	LEVEL I ENDOCRINE DISORDERS	Other
693	LEVEL II ENDOCRINE DISORDERS	Other
694	ELECTROLYTE DISORDERS	Other
695	OBESITY	Other
710	DIABETES WITH OPHTHALMIC MANIFESTATIONS	Other
711	DIABETES WITH OTHER MANIFESTATIONS & COMPLICATIONS	Other
712	DIABETES WITH NEUROLOGIC MANIFESTATIONS	Other
713	DIABETES WITHOUT COMPLICATIONS	Other
714	DIABETES WITH RENAL MANIFESTATIONS	Other
720	RENAL FAILURE	Other
721	KIDNEY & URINARY TRACT MALIGNANCY	Radiation, Infusion, Chemotherapy
722	NEPHRITIS & NEPHROSIS	Other
723	KIDNEY AND CHRONIC URINARY TRACT INFECTIONS	Other

## Market Shift Adjustments under Global Revenue Models

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APG	APG DESCRIPTION	SERVICE
724	URINARY STONES & ACQUIRED UPPER URINARY TRACT OBSTRUCTION	Other
725	MALFUNCTION, REACTION, COMPLIC OF GENITOURINARY DEVICE OR PROC	Other
726	OTHER KIDNEY & URINARY TRACT DIAGNOSES, SIGNS & SYMPTOMS	Other
727	ACUTE LOWER URINARY TRACT INFECTIONS	Other
740	MALIGNANCY, MALE REPRODUCTIVE SYSTEM	Radiation, Infusion, Chemotherapy
741	MALE REPRODUCTIVE SYSTEM DIAGNOSES EXCEPT MALIGNANCY	Other
742	NEOPLASMS OF THE MALE REPRODUCTIVE SYSTEM	Other
743	PROSTATITIS	Other
744	MALE REPRODUCTIVE INFECTIONS	Other
750	FEMALE REPRODUCTIVE SYSTEM MALIGNANCY	Other
751	FEMALE REPRODUCTIVE SYSTEM INFECTIONS	Other
752	LEVEL I MENSTRUAL AND OTHER FEMALE DIAGNOSES	Other
753	LEVEL II MENSTRUAL AND OTHER FEMALE DIAGNOSES	Other
760	VAGINAL DELIVERY	Other
761	POSTPARTUM & POST ABORTION DIAGNOSES W/O PROCEDURE	Other
762	THREATENED ABORTION	Other
763	ABORTION W/O D&C, ASPIRATION CURETTAGE OR HYSTEROTOMY	Other
764	FALSE LABOR	Other
765	OTHER ANTEPARTUM DIAGNOSES	Other
766	ROUTINE PRENATAL CARE	Other
770	NORMAL NEONATE	Other
771	LEVEL I NEONATAL DIAGNOSES	Other
772	LEVEL II NEONATAL DIAGNOSES	Other
780	OTHER HEMATOLOGICAL DISORDERS	Other
781	COAGULATION & PLATELET DISORDERS	Other
782	CONGENITAL FACTOR DEFICIENCIES	Other
783	SICKLE CELL ANEMIA CRISIS	Other
784	SICKLE CELL ANEMIA	Other
785	ANEMIA EXCEPT FOR IRON DEFICIENCY ANEMIA AND SICKLE CELL ANEMIA	Other
786	IRON DEFICIENCY ANEMIA	Other
800	ACUTE LEUKEMIA	Other
801	LYMPHOMA, MYELOMA & NON-ACUTE LEUKEMIA	Other
802	RADIOTHERAPY	Other
803	CHEMOTHERAPY	Other
804	LYMPHATIC & OTHER MALIGNANCIES & NEOPLASMS OF UNCERTAIN BEHAVIOR	Other
805	SEPTICEMIA & DISSEMINATED INFECTIONS	Other

## Market Shift Adjustments under Global Revenue Models

Updated-5/6/2015

APG	APG DESCRIPTION	SERVICE
806	POST-OPERATIVE, POST-TRAUMATIC, OTHER DEVICE INFECTIONS	Other
807	FEVER	Other
808	VIRAL ILLNESS	Other
809	OTHER INFECTIOUS & PARASITIC DISEASES	Other
810	H. PYLORI INFECTION	Other
820	SCHIZOPHRENIA	Psychiatric
821	MAJOR DEPRESSIVE DISORDERS & OTHER/UNSPECIFIED PSYCHOSES	Psychiatric
822	DISORDERS OF PERSONALITY & IMPULSE CONTROL	Psychiatric
823	BIPOLAR DISORDERS	Psychiatric
824	DEPRESSION EXCEPT MAJOR DEPRESSIVE DISORDER	Psychiatric
825	ADJUSTMENT DISORDERS & NEUROSES EXCEPT DEPRESSIVE DIAGNOSES	Psychiatric
826	ACUTE ANXIETY & DELIRIUM STATES	Psychiatric
827	ORGANIC MENTAL HEALTH DISTURBANCES	Psychiatric
828	MENTAL RETARDATION	Psychiatric
829	CHILDHOOD BEHAVIORAL DISORDERS	Psychiatric
830	EATING DISORDERS	Psychiatric
831	OTHER MENTAL HEALTH DISORDERS	Psychiatric
840	OPIOID ABUSE & DEPENDENCE	Other
841	COCAINE ABUSE & DEPENDENCE	Other
842	ALCOHOL ABUSE & DEPENDENCE	Other
843	OTHER DRUG ABUSE & DEPENDENCE	Other
850	ALLERGIC REACTIONS	Other
851	POISONING OF MEDICINAL AGENTS	Other
852	OTHER COMPLICATIONS OF TREATMENT	Other
853	OTHER INJURY, POISONING & TOXIC EFFECT DIAGNOSES	Other
854	TOXIC EFFECTS OF NON-MEDICINAL SUBSTANCES	Other
860	EXTENSIVE 3RD DEGREE OR FULL THICKNESS BURNS W/O SKIN GRAFT	Other
861	PARTIAL THICKNESS BURNS W OR W/O SKIN GRAFT	Other
870	REHABILITATION	Rehabilitation
871	SIGNS, SYMPTOMS & OTHER FACTORS INFLUENCING HEALTH STATUS	Other
872	OTHER AFTERCARE & CONVALESCENCE	Other
873	NEONATAL AFTERCARE	Other
874	JOINT REPLACEMENT	Other
875	CONTRACEPTIVE MANAGEMENT	Other
876	ADULT PREVENTIVE MEDICINE	Preventive
877	CHILD PREVENTIVE MEDICINE	Preventive
878	GYNECOLOGIC PREVENTIVE MEDICINE	Preventive
879	PREVENTIVE OR SCREENING ENCOUNTER	Preventive

## Market Shift Adjustments under Global Revenue Models

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APG	APG DESCRIPTION	SERVICE
880	HIV INFECTION	Other
881	AIDS	Other
993	INPATIENT ONLY PROCEDURES	Major Surgery
994	USER CUSTOMIZABLE INPATIENT PROCEDURES	Other
999	UNASSIGNED	Unassigned
1001	DURABLE MEDICAL EQUIPMENT - LEVEL 1	Other
1002	DURABLE MEDICAL EQUIPMENT - LEVEL 2	Other
1003	DURABLE MEDICAL EQUIPMENT - LEVEL 3	Other
1004	DURABLE MEDICAL EQUIPMENT - LEVEL 4	Other
1005	DURABLE MEDICAL EQUIPMENT - LEVEL 5	Other
1006	DURABLE MEDICAL EQUIPMENT - LEVEL 6	Other
1007	DURABLE MEDICAL EQUIPMENT - LEVEL 7	Other
1008	DURABLE MEDICAL EQUIPMENT - LEVEL 8	Other
1009	DURABLE MEDICAL EQUIPMENT - LEVEL 9	Other
1010	DURABLE MEDICAL EQUIPMENT - LEVEL 10	Other
1011	DURABLE MEDICAL EQUIPMENT - LEVEL 11	Other
1012	DURABLE MEDICAL EQUIPMENT - LEVEL 12	Other
1013	DURABLE MEDICAL EQUIPMENT - LEVEL 13	Other
1014	DURABLE MEDICAL EQUIPMENT - LEVEL 14	Other
1015	DURABLE MEDICAL EQUIPMENT - LEVEL 15	Other
1016	DURABLE MEDICAL EQUIPMENT - LEVEL 16	Other
1017	DURABLE MEDICAL EQUIPMENT - LEVEL 17	Other
1018	DURABLE MEDICAL EQUIPMENT - LEVEL 18	Other
1019	DURABLE MEDICAL EQUIPMENT - LEVEL 19	Other
1020	DURABLE MEDICAL EQUIPMENT - LEVEL 20	Other
1090	USER DEFINED 340B DRUGS	Drugs

# Market Shift Adjustments under Global Revenue Models

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## APPENDIX VIII: Steps in Calculating Outpatient Weights - TBD