



3M™ APR DRG Grouper Modifications

v30.0



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GRP-105

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Table of Contents

| | |
|--|----------|
| 3M™ APR DRG v30.0 Grouper Modifications | 7 |
| Version..... | 7 |
| Software changes | 7 |
| New DRGs..... | 7 |
| Deleted DRGs..... | 7 |
| Revised DRG descriptions..... | 7 |
| Discharge status changes | 8 |
| APR DRG changes..... | 8 |
| PRE-MDC..... | 8 |
| MDC 5: Diseases and Disorders of the Circulatory System | 8 |
| MDC 11: Diseases and Disorders of the Kidney and Urinary Tract..... | 9 |
| MDC 12: Diseases and Disorders of the Male Reproductive System | 9 |
| MDC 15: Newborns and Other Neonates with Conditions Originating in the Perinatal Period | 9 |
| New diagnosis and procedure codes | 13 |
| Existing diagnosis and procedure codes | 13 |
| SOI step changes | 14 |
| Step 1: PDX/SDX Exclusion..... | 14 |
| Step 2: SDX Default | 17 |
| Step 3: SDX/Age Exception | 20 |
| Step 5: SDX/DRG Exception..... | 24 |
| Step 7: Secondary Diagnosis Group Assignment..... | 44 |
| Step 13: DRG/OR Proc Modification..... | 45 |
| Step 16: DRG/PDX/NON-OR Proc Modification | 45 |
| ROM step changes | 46 |
| Step 2: SDX Default | 46 |
| Step 3: SDX/Age Exception | 47 |
| Step 5: SDX/DRG Exception..... | 48 |
| Step 7: Secondary Diagnosis Group Assignment..... | 51 |
| Step 9: Secondary Diagnosis Demotion Definitions | 52 |

3M™ APR DRG v30.0 Grouper Modifications

This document contains a brief description of the modifications made to the 3M™ APR DRG grouper since v29.0 that are effective with v30.0.

Version

The 3M™ APR DRG Software v30.0 replaces v29.0. The implementation date for v30.0 is effective 10/01/2012–09/30/2013 beginning 10/01/2012.

Software changes

The valid birth weight range in the component has been changed from 200g-7000g to 150g-9000g.

New DRGs

There are no new DRGs.

Deleted DRGs

There are no deleted DRGs.

Revised DRG descriptions

This release includes the following DRG description changes:

| DRG | Old description | New description |
|-----|---------------------|-----------------|
| 563 | Threatened Abortion | Preterm Labor |

Discharge status changes

There are no new, deleted, or revised discharge statuses.

APR DRG changes

There are no new or deleted APR DRGs.

PRE-MDC

The following change was made to the hierarchy for PRE-MDC:

| Proc code | Description |
|-----------|------------------------------------|
| 002 | Heart and/or lung transplant |
| 001 | Liver and/or intestinal transplant |

MDC 5: Diseases and Disorders of the Circulatory System

DRG 160 MAJOR CARDIOTHORACIC REPAIR OF HEART ANOMALY

The following procedure was added to APR DRG 160 and removed from APR DRG 169.

| Proc code | Description |
|-----------|--------------------------|
| 3921 | Caval-pulmon art anastom |

DRG 169 MAJOR THORACIC & ABDOMINAL VASCULAR PROCEDURES

The following procedure was removed from APR DRG 169 and added to APR DRG 160.

| Proc code | Description |
|-----------|--------------------------|
| 3921 | Caval-pulmon art anastom |

MDC 11: Diseases and Disorders of the Kidney and Urinary Tract***DRG 447 OTHER KIDNEY, URINARY TRACT & RELATED PROCEDURES***

The following procedure was removed from APR DRG 447.

| Proc code | Description |
|-----------|--------------|
| 640 | Circumcision |

MDC 12: Diseases and Disorders of the Male Reproductive System***DRG 484 OTHER MALE REPRODUCTIVE SYSTEM & RELATED PROCEDURES***

The following procedure was removed from APR DRG 484.

| Proc code | Description |
|-----------|--------------|
| 640 | Circumcision |

MDC 15: Newborns and Other Neonates with Conditions Originating in the Perinatal Period

Additional criteria have been added to the logic for MDC 15.

- The following principal diagnoses were added to existing criteria 2d for age 8-14 days and specified acute perinatal principal diagnoses.

| PDX code | Description |
|----------|-------------------------------------|
| 7742 | Neonate jaundice – preterm delivery |
| 77430 | Delayed conjugation jaundice NOS |

| PDX code | Description |
|----------|----------------------------------|
| 77439 | Delayed conjugation jaundice NEC |
| 7746 | Fetal/neonatal jaundice NOS |

- New criteria 3a and 3b were added:

3a. Age at admission = 15-28 days and principal diagnosis from specified list of acute perinatal principal diagnoses as follows.

| PDX code | Description |
|----------|---|
| 77750 | Necrotizing Enterocolitis NB, NOS |
| 77751 | Necrotizing Enterocolitis NB, Stage I |
| 77752 | Necrotizing Enterocolitis NB, Stage II |
| 77753 | Necrotizing Enterocolitis NB, Stage III |
| 7776 | Perinatal Intestinal Perforation |

3b. Age at admission = 15-28 days and secondary diagnosis from a specified list of acute perinatal diagnoses and operating room (OR) procedures from a specified list of OR procedures, as follows.

Secondary diagnoses:

| SDX code | Description |
|----------|---|
| 77750 | Necrotizing Enterocolitis NB, NOS |
| 77751 | Necrotizing Enterocolitis NB, Stage I |
| 77752 | Necrotizing Enterocolitis NB, Stage II |
| 77753 | Necrotizing Enterocolitis NB, Stage III |
| 7776 | Perinatal Intestinal Perforation |

AND

OR/Non-OR procedures:

| Proc | Description |
|------|-------------------------|
| 4500 | Intestinal incision NOS |
| 4501 | Duodenal incision |

| Proc | Description |
|------|--------------------------|
| 4502 | Small bowel incision NEC |
| 4503 | Large bowel incision |
| 4532 | Destr duodenal les NEC |
| 4533 | Local excis sm bowel NEC |
| 4534 | Destr sm bowel les NEC |
| 4541 | Excise lg intestine les |
| 4549 | Destr lg bowel les NEC |
| 4551 | Sm bowel segment isolat |
| 4552 | Lg bowel segment isolat |
| 4561 | Mult seg sm bowel excis |
| 4562 | Part sm bowel resect NEC |
| 4563 | Total removal sm bowel |
| 4571 | Mult seg lg bowel excis |
| 4572 | Open cecectomy NEC |
| 4573 | Opn rt hemicolectomy NEC |
| 4574 | Opn transv colon res NEC |
| 4575 | Opn lft hemicolectmy NEC |
| 4576 | Open sigmoidectomy NEC |
| 4579 | Prt lg intes exc NEC/NOS |
| 4581 | Lap tot intr-ab colectmy |
| 4582 | Op tot intr-abd colectmy |
| 4583 | Tot abd colectmy NEC/NOS |
| 4590 | Intestinal anastom NOS |
| 4591 | Sm-to-sm bowel anastom |
| 4592 | Sm bowel-rect stump anas |
| 4593 | Small-to-large bowel NEC |
| 4594 | Lg-to-lg bowel anastom |
| 4595 | Anal anastomosis |
| 4601 | Sm bowel exteriorization |
| 4602 | Resect ext seg sm bowel |
| 4603 | Lg bowel exteriorization |
| 4604 | Resect ext seg lg bowel |

| Proc | Description |
|------|--------------------------|
| 4610 | Colostomy nos |
| 4611 | Temporary colostomy |
| 4613 | Permanent colostomy |
| 4614 | Delay opening colostomy |
| 4620 | Ileostomy NOS |
| 4621 | Temporary ileostomy |
| 4622 | Continent ileostomy |
| 4623 | Permanent ileostomy NEC |
| 4624 | Delay opening ileostomy |
| 4631 | Delay opening enterostom |
| 4639 | Enterostomy NEC |
| 4640 | Intest stoma revis NOS |
| 4641 | Sm bowel stoma revision |
| 4643 | Lg bowel stoma revis NEC |
| 4650 | Intest stoma closure NOS |
| 4651 | Sm bowel stoma closure |
| 4652 | Lg bowel stoma closure |
| 4673 | Small bowel suture NEC |
| 4674 | Close sm bowel fist NEC |
| 4675 | Suture lg bowel lacerat |
| 4676 | Close lg bowel fistula |
| 4679 | Repair of intestine NEC |
| 4680 | Intra-ab bowel manip NOS |
| 4681 | Intra-abd sm bowel manip |
| 4682 | Intra-abd lg bowel manip |
| 4693 | Revise sm bowel anastom |
| 4694 | Revise lg bowel anastom |
| 4699 | Intestinal op NEC |
| 5411 | Exploratory laparotomy |
| 5412 | Reopen recent lap site |
| 5419 | Laparotomy NEC |
| 5421 | Laparoscopy |

The Significant Conditions List was changed to remove the following diagnosis.

| Dx code | Description |
|----------------|--------------------------|
| 77083 | Cyanotic attack, newborn |

New diagnosis and procedure codes

There are no new diagnosis codes. The following new procedure code was added to the MDCs, DRGs, and OR/Non-OR status as shown below.

| Proc code | Description | Short description | OR | MDC | APR DRG |
|------------------|---------------------------------------|--------------------------|-----------|------------|----------------|
| 00.95 | Injection or infusion of glucarpidase | Injct/infus glucarpidase | N | | |

Existing diagnosis and procedure codes

There are no changes for existing diagnosis codes. This release includes the following changes to existing procedure codes.

The OR Status was changed from OR to Non-OR for the following procedure:

| Proc code | Description |
|------------------|--------------------|
| 640 | Circumcision |

The following procedure was removed from APR DRG 952, Non-extensive Procedure Unrelated to Principal Diagnosis.

| Proc code | Description |
|------------------|--------------------|
| 640 | Circumcision |

The following procedure was moved from re-routing logic from MDC 11 to MDC 12.

| Proc code | Description |
|-----------|--------------|
| 640 | Circumcision |

SOI step changes

This release includes changes to the following SOI steps.

Step 1: PDX/SDX Exclusion

The following diagnoses were deleted from Step 1.

| SDX | SDX description | Action | PDX | PDX description |
|-------|--------------------------|---------|-------|--------------------------|
| 7421 | Microcephalus | Deleted | 7420 | Encephalocele |
| 7422 | Reduction deform, brain | Deleted | 7420 | Encephalocele |
| 7450 | Common truncus | Deleted | 7452 | Tetralogy of fallot |
| 7450 | Common truncus | Deleted | 7454 | Ventricular sept defect |
| 7450 | Common truncus | Deleted | 74689 | Cong heart anomaly NEC |
| 74510 | Compl transpos great ves | Deleted | 74511 | Double outlet rt ventric |
| 74510 | Compl transpos great ves | Deleted | 7453 | Common ventricle |
| 74510 | Compl transpos great ves | Deleted | 7454 | Ventricular sept defect |
| 74510 | Compl transpos great ves | Deleted | 7455 | Secundum atrial sept def |
| 74510 | Compl transpos great ves | Deleted | 74569 | Endocard cushion def NEC |
| 74510 | Compl transpos great ves | Deleted | 74689 | Cong heart anomaly NEC |
| 74511 | Double outlet rt ventric | Deleted | 74510 | Compl transpos great ves |
| 74511 | Double outlet rt ventric | Deleted | 7452 | Tetralogy of fallot |
| 74511 | Double outlet rt ventric | Deleted | 7453 | Common ventricle |
| 74511 | Double outlet rt ventric | Deleted | 7454 | Ventricular sept defect |
| 74511 | Double outlet rt ventric | Deleted | 7455 | Secundum atrial sept def |

| SDX | SDX description | Action | PDX | PDX description |
|------------|--------------------------|---------------|------------|--------------------------|
| 74511 | Double outlet rt ventric | Deleted | 74569 | Endocard cushion def NEC |
| 74511 | Double outlet rt ventric | Deleted | 74689 | Cong heart anomaly NEC |
| 74512 | Correct transpos grt ves | Deleted | 7453 | Common ventricle |
| 74512 | Correct transpos grt ves | Deleted | 74689 | Cong heart anomaly NEC |
| 74519 | Transpos great vess NEC | Deleted | 7453 | Common ventricle |
| 74519 | Transpos great vess NEC | Deleted | 7457 | Cor biloculare |
| 74519 | Transpos great vess NEC | Deleted | 74689 | Cong heart anomaly NEC |
| 7452 | Tetralogy of fallot | Deleted | 74511 | Double outlet rt ventric |
| 7452 | Tetralogy of fallot | Deleted | 7454 | Ventricular sept defect |
| 7452 | Tetralogy of fallot | Deleted | 7455 | Secundum atrial sept def |
| 7452 | Tetralogy of fallot | Deleted | 74569 | Endocard cushion def NEC |
| 7452 | Tetralogy of fallot | Deleted | 74689 | Cong heart anomaly NEC |
| 7452 | Tetralogy of fallot | Deleted | 75989 | Specfied cong anomal NEC |
| 7453 | Common ventricle | Deleted | 74510 | Compl transpos great ves |
| 7453 | Common ventricle | Deleted | 74511 | Double outlet rt ventric |
| 7453 | Common ventricle | Deleted | 74512 | Correct transpos grt ves |
| 7453 | Common ventricle | Deleted | 74519 | Transpos great vess NEC |
| 7453 | Common ventricle | Deleted | 7452 | Tetralogy of fallot |
| 7453 | Common ventricle | Deleted | 74569 | Endocard cushion def NEC |
| 7453 | Common ventricle | Deleted | 74689 | Cong heart anomaly NEC |
| 7454 | Ventricular sept defect | Deleted | 74689 | Cong heart anomaly NEC |
| 7454 | Ventricular sept defect | Deleted | 75989 | Specfied cong anomal NEC |
| 7455 | Secundum atrial sept def | Deleted | 74689 | Cong heart anomaly NEC |
| 7455 | Secundum atrial sept def | Deleted | 75989 | Specfied cong anomal NEC |
| 74561 | Ostium primum defect | Deleted | 74689 | Cong heart anomaly NEC |
| 74569 | Endocard cushion def NEC | Deleted | 74510 | Compl transpos great ves |
| 74569 | Endocard cushion def NEC | Deleted | 74511 | Double outlet rt ventric |
| 74569 | Endocard cushion def NEC | Deleted | 7452 | Tetralogy of fallot |
| 74569 | Endocard cushion def NEC | Deleted | 7455 | Secundum atrial sept def |
| 74569 | Endocard cushion def NEC | Deleted | 74561 | Ostium primum defect |
| 74569 | Endocard cushion def NEC | Deleted | 74689 | Cong heart anomaly NEC |

| SDX | SDX description | Action | PDX | PDX description |
|------------|----------------------------|---------------|------------|---------------------------|
| 74601 | Cong pulmon valv atresia | Deleted | 74689 | Cong heart anomaly NEC |
| 74602 | Cong pulmon valve stenosis | Deleted | 74689 | Cong heart anomaly NEC |
| 7461 | Cong tricuspid atres/sten | Deleted | 74689 | Cong heart anomaly NEC |
| 7462 | Ebstein's anomaly | Deleted | 74689 | Cong heart anomaly NEC |
| 7464 | Cong aorta valv insuffic | Deleted | 74689 | Cong heart anomaly NEC |
| 7466 | Cong mitral insufficienc | Deleted | 74689 | Cong heart anomaly NEC |
| 7467 | Hypoplas left heart synd | Deleted | 7463 | Cong aorta valv stenosis |
| 7467 | Hypoplas left heart synd | Deleted | 7464 | Cong aorta valv insuffic |
| 7467 | Hypoplas left heart synd | Deleted | 7465 | Congen mitral stenosis |
| 7467 | Hypoplas left heart synd | Deleted | 7466 | Cong mitral insufficienc |
| 74681 | Cong subaortic stenosis | Deleted | 74689 | Cong heart anomaly NEC |
| 74683 | Infundib pulmon stenosis | Deleted | 74689 | Cong heart anomaly NEC |
| 74685 | Coronary artery anomaly | Deleted | 74689 | Cong heart anomaly NEC |
| 74687 | Malposition of heart | Deleted | 74689 | Cong heart anomaly NEC |
| 74710 | Coarctation of aorta | Deleted | 75989 | Specified cong anomal NEC |
| 74722 | Aortic atresia/stenosis | Deleted | 75989 | Specified cong anomal NEC |
| 7484 | Congenital cystic lung | Deleted | 7485 | Agenesis of lung |
| 7485 | Agenesis of lung | Deleted | 7484 | Congenital cystic lung |
| 7514 | Intestinal fixation anom | Deleted | 7515 | Intestinal anomaly NEC |
| 7515 | Intestinal anomaly NEC | Deleted | 7514 | Intestinal fixation anom |
| 75323 | Congenital ureterocele | Deleted | 75329 | Obst def ren plv&urt NEC |
| 7685 | Severe birth asphyxia | Deleted | 77089 | Resp prob after brth NEC |
| 7689 | Birth asphyxia NOS | Deleted | 77089 | Resp prob after brth NEC |
| 769 | Respiratory distress syn | Deleted | 7702 | NB interstit emphysema |
| 769 | Respiratory distress syn | Deleted | 77089 | Resp prob after brth NEC |
| 7700 | Congenital pneumonia | Deleted | 7702 | NB interstit emphysema |
| 7700 | Congenital pneumonia | Deleted | 77089 | Resp prob after brth NEC |
| 7702 | NB interstit emphysema | Deleted | 7706 | NB transitory tachypnea |
| 7702 | NB interstit emphysema | Deleted | 77089 | Resp prob after brth NEC |
| 7703 | NB pulmonary hemorrhage | Deleted | 77089 | Resp prob after brth NEC |
| 7704 | Primary atelectasis | Deleted | 77089 | Resp prob after brth NEC |

| SDX | SDX description | Action | PDX | PDX description |
|-------|--------------------------|---------|-------|--------------------------|
| 7705 | NB atelectasis NEC/NOS | Deleted | 77089 | Resp prob after brth NEC |
| 7706 | NB transitory tachypnea | Deleted | 77089 | Resp prob after brth NEC |
| 7707 | Perinatal chr resp dis | Deleted | 7706 | NB transitory tachypnea |
| 7707 | Perinatal chr resp dis | Deleted | 77089 | Resp prob after brth NEC |
| 77081 | Primary apnea of newborn | Deleted | 77083 | Cyanotic attack, newborn |
| 77081 | Primary apnea of newborn | Deleted | 77089 | Resp prob after brth NEC |
| 77082 | Other apnea of newborn | Deleted | 77089 | Resp prob after brth NEC |
| 77084 | Resp failure of newborn | Deleted | 77088 | NB hypoxia |
| 77084 | Resp failure of newborn | Deleted | 77089 | Resp prob after brth NEC |
| 77087 | NB respiratory arrest | Deleted | 77089 | Resp prob after brth NEC |
| 7744 | Fetal/neonatal hepatitis | Deleted | 7746 | Fetal/neonatal jaund NOS |
| 77581 | NB acidosis NEC | Deleted | 7755 | Neonatal dehydration |
| 77750 | Nec enterocolitis NB NOS | Deleted | 7778 | Perinat GI sys dis NEC |
| 7792 | Cns dysfunction syn NB | Deleted | 7790 | Convulsions in newborn |
| 7797 | Perivent leukomalacia | Deleted | 77213 | NB intravn hem,grade iii |
| 7797 | Perivent leukomalacia | Deleted | 77214 | NB intraven hem,grade iv |

Step 2: SDX Default

The following secondary diagnoses were changed for Step 2.

| SDX | Description | SOI v30 |
|-------|--------------------------|---------|
| 0389 | Septicemia NOS | 3 |
| 04102 | Streptococcus group b | 1 |
| 04103 | Streptococcus group c | 1 |
| 04104 | Enterococcus group d | 1 |
| 04105 | Streptococcus group g | 1 |
| 04109 | Other streptococcus | 1 |
| 04110 | Staphylococcus unspcfied | 1 |

| SDX | Description | SOI v30 |
|-------|---------------------------|---------|
| 04111 | Mth sus Stph aur els/NOS | 1 |
| 04112 | MRSA elsewhere/NOS | 1 |
| 04119 | Other staphylococcus | 1 |
| 0412 | Pneumococcus infect NOS | 1 |
| 0413 | Klebsiella pneumoniae | 1 |
| 0415 | H. influenzae infect NOS | 1 |
| 0416 | Proteus infection NOS | 1 |
| 0417 | Pseudomonas infect NOS | 1 |
| 04182 | Bacteroides fragilis | 1 |
| 04184 | Other anaerobes | 1 |
| 04185 | Oth gram negatv bacteria | 1 |
| 04189 | Oth specf bacteria | 1 |
| 07032 | Hpt B chrn wo cm wo dlta | 1 |
| 07054 | Chrn c hpt C wo hpat coma | 1 |
| 07070 | Hpt C w/o hepat coma NOS | 1 |
| 20401 | Act lym leuk w rmsion | 2 |
| 20501 | Act myl leuk w rmsion | 2 |
| 2762 | Acidosis | 2 |
| 2768 | Hypopotassemia | 1 |
| 2800 | Chr blood loss anemia | 1 |
| 2875 | Thrombocytopenia NOS | 2 |
| 28800 | Neutropenia NOS | 3 |
| 28803 | Drug induced neutropenia | 3 |
| 28809 | Neutropenia NEC | 3 |
| 2948 | Mental disor NEC oth dis | 1 |
| 2949 | Mental disor NOS oth dis | 1 |
| 3481 | Anoxic brain damage | 3 |
| 3569 | Idio periph neurpthy NOS | 1 |
| 40211 | Benign hyp ht dis w hf | 2 |
| 40291 | Hyp ht dis NOS w ht fail | 2 |
| 40390 | Hy kid NOS w cr kid I-IV | 1 |

| SDX | Description | SOI v30 |
|------------|---------------------------|----------------|
| 40411 | Ben hyp ht/kd I-IV w hf | 2 |
| 40491 | Hyp ht/kd NOS I-IV w hf | 2 |
| 4168 | Chr pulmon heart dis NEC | 2 |
| 4169 | Chr pulmon heart dis NOS | 2 |
| 4254 | Prim cardiomyopathy NEC | 2 |
| 4280 | CHF NOS | 2 |
| 4281 | Left heart failure | 2 |
| 42820 | Systolic hrt failure NOS | 2 |
| 42822 | Chr systolic hrt failure | 2 |
| 42830 | Diastolic hrt failure NOS | 2 |
| 42832 | Chr diastolic hrt fail | 2 |
| 42840 | Syst/diast hrt fail NOS | 2 |
| 42842 | Chr syst/diastl hrt fail | 2 |
| 4289 | Heart failure NOS | 2 |
| 4414 | Abdom aortic aneurysm | 1 |
| 4419 | Aortic aneurysm NOS | 1 |
| 5679 | Peritonitis NOS | 3 |
| 5849 | Acute kidney failure NOS | 3 |
| 5853 | Chr kidney dis stage III | 1 |
| 5854 | Chr kidney dis stage IV | 2 |
| 5855 | Chron kidney dis stage V | 2 |
| 5856 | End stage renal disease | 2 |
| 586 | Renal failure NOS | 1 |
| 591 | Hydronephrosis | 2 |
| 77083 | Cyanotic attack, newborn | 1 |
| 7795 | NB drug withdrawal syndr | 3 |
| 78051 | Insomn w sleep apnea NOS | 1 |
| 78053 | Hypersom w slp apnea NOS | 1 |
| 78057 | Sleep apnea NOS | 1 |
| 78820 | Retention urine NOS | 1 |
| 78830 | Urinary incontinence NOS | 1 |

| SDX | Description | SOI v30 |
|-------|--------------------------|---------|
| 78833 | Mixed incontinence | 1 |
| 78834 | Incontnce wo sensr aware | 1 |
| 78835 | Post-void dribbling | 1 |
| 78836 | Nocturnal enuresis | 1 |
| 78837 | Continuous leakage | 1 |
| 78838 | Overflow incontinence | 1 |
| 78839 | Oth urinry incontinence | 1 |
| 7907 | Bacteremia | 3 |

Step 3: SDX/Age Exception

The following exceptions were changed for Step 3.

| SDX | Description | Age group | Age group desc | v30 Step 3 changes |
|-------|--------------------------|-----------|----------------|--------------------|
| 0389 | Septicemia NOS | A | 0-28 days | Deleted |
| 04102 | Streptococcus group b | A | 0-28 days | Deleted |
| 04109 | Other streptococcus | A | 0-28 days | Deleted |
| 04111 | Mth sus Stph aur els/NOS | A | 0-28 days | Deleted |
| 04111 | Mth sus Stph aur els/NOS | B | 0 yrs | Deleted |
| 04111 | Mth sus Stph aur els/NOS | C | 1-3 yrs | Deleted |
| 04111 | Mth sus Stph aur els/NOS | D | 4-17 yrs | Deleted |
| 04112 | MRSA elsewhere/NOS | A | 0-28 days | Deleted |
| 04112 | MRSA elsewhere/NOS | B | 0 yrs | Deleted |
| 04112 | MRSA elsewhere/NOS | C | 1-3 yrs | Deleted |
| 04112 | MRSA elsewhere/NOS | D | 4-17 yrs | Deleted |
| 0413 | Klebsiella pneumoniae | A | 0-28 days | Deleted |
| 0413 | Klebsiella pneumoniae | B | 0 yrs | Deleted |
| 0413 | Klebsiella pneumoniae | C | 1-3 yrs | Deleted |

| SDX | Description | Age group | Age group desc | v30 Step 3 changes |
|------------|--------------------------|------------------|-----------------------|---------------------------|
| 0413 | Klebsiella pneumoniae | D | 4-17 yrs | Deleted |
| 27787 | Dis mitochondrial metab | A | 0-28 days | 3 |
| 27787 | Dis mitochondrial metab | B | 0 yrs | 3 |
| 27787 | Dis mitochondrial metab | C | 1-3 yrs | 3 |
| 27787 | Dis mitochondrial metab | D | 4-17 yrs | 3 |
| 28800 | Neutropenia NOS | A | 0-28 days | Deleted |
| 28800 | Neutropenia NOS | B | 0 yrs | Deleted |
| 28803 | Drug induced neutropenia | A | 0-28 days | Deleted |
| 28804 | Neutropenia d/t infectn | A | 0-28 days | Deleted |
| 28809 | Neutropenia NEC | A | 0-28 days | Deleted |
| 31389 | Emotional dis child NEC | D | 4-17 yrs | 3 |
| 31401 | Attn deficit w hyperact | C | 1-3 yrs | Deleted |
| 31401 | Attn deficit w hyperact | D | 4-17 yrs | Deleted |
| 3481 | Anoxic brain damage | A | 0-28 days | Deleted |
| 3481 | Anoxic brain damage | B | 0 yrs | Deleted |
| 3481 | Anoxic brain damage | C | 1-3 yrs | Deleted |
| 3481 | Anoxic brain damage | D | 4-17 yrs | Deleted |
| 4168 | Chr pulmon heart dis NEC | C | 1-3 yrs | 3 |
| 4168 | Chr pulmon heart dis NEC | D | 4-17 yrs | 3 |
| 4254 | Prim cardiomyopathy NEC | C | 1-3 yrs | 3 |
| 4254 | Prim cardiomyopathy NEC | D | 4-17 yrs | 3 |
| 4280 | CHF NOS | C | 1-3 yrs | 3 |
| 4280 | CHF NOS | D | 4-17 yrs | 3 |
| 4289 | Heart failure NOS | A | 0-28 days | 4 |
| 4289 | Heart failure NOS | B | 0 yrs | 4 |
| 4289 | Heart failure NOS | C | 1-3 yrs | 3 |
| 4289 | Heart failure NOS | D | 4-17 yrs | 3 |
| 490 | Bronchitis NOS | H | 70-74 yrs | Deleted |
| 490 | Bronchitis NOS | I | 75-79 yrs | Deleted |
| 490 | Bronchitis NOS | J | 80-84 yrs | Deleted |

| SDX | Description | Age group | Age group desc | v30 Step 3 changes |
|------------|--------------------------|------------------|-----------------------|---------------------------|
| 490 | Bronchitis NOS | K | 85+ yrs | Deleted |
| 4911 | Mucopurul chr bronchitis | H | 70-74 yrs | Deleted |
| 4911 | Mucopurul chr bronchitis | I | 75-79 yrs | Deleted |
| 4911 | Mucopurul chr bronchitis | J | 80-84 yrs | Deleted |
| 4911 | Mucopurul chr bronchitis | K | 85+ yrs | Deleted |
| 4918 | Chronic bronchitis NEC | H | 70-74 yrs | Deleted |
| 4918 | Chronic bronchitis NEC | I | 75-79 yrs | Deleted |
| 4918 | Chronic bronchitis NEC | J | 80-84 yrs | Deleted |
| 4918 | Chronic bronchitis NEC | K | 85+ yrs | Deleted |
| 4919 | Chronic bronchitis NOS | H | 70-74 yrs | Deleted |
| 4919 | Chronic bronchitis NOS | I | 75-79 yrs | Deleted |
| 4919 | Chronic bronchitis NOS | J | 80-84 yrs | Deleted |
| 4919 | Chronic bronchitis NOS | K | 85+ yrs | Deleted |
| 49300 | Extrinsic asthma NOS | H | 70-74 yrs | Deleted |
| 49300 | Extrinsic asthma NOS | I | 75-79 yrs | Deleted |
| 49300 | Extrinsic asthma NOS | J | 80-84 yrs | Deleted |
| 49300 | Extrinsic asthma NOS | K | 85+ yrs | Deleted |
| 49310 | Intrinsic asthma NOS | H | 70-74 yrs | Deleted |
| 49310 | Intrinsic asthma NOS | I | 75-79 yrs | Deleted |
| 49310 | Intrinsic asthma NOS | J | 80-84 yrs | Deleted |
| 49310 | Intrinsic asthma NOS | K | 85+ yrs | Deleted |
| 49382 | Cough variant asthma | H | 70-74 yrs | Deleted |
| 49382 | Cough variant asthma | I | 75-79 yrs | Deleted |
| 49382 | Cough variant asthma | J | 80-84 yrs | Deleted |
| 49382 | Cough variant asthma | K | 85+ yrs | Deleted |
| 49390 | Asthma NOS | H | 70-74 yrs | Deleted |
| 49390 | Asthma NOS | I | 75-79 yrs | Deleted |
| 49390 | Asthma NOS | J | 80-84 yrs | Deleted |
| 49390 | Asthma NOS | K | 85+ yrs | Deleted |
| 53081 | Esophageal reflux | B | 0 yrs | Deleted |

| SDX | Description | Age group | Age group desc | v30 Step 3 changes |
|------------|--------------------------|------------------|-----------------------|---------------------------|
| 53081 | Esophageal reflux | C | 1-3 yrs | Deleted |
| 53081 | Esophageal reflux | D | 4-17 yrs | Deleted |
| 5849 | Acute kidney failure NOS | A | 0-28 days | 4 |
| 5849 | Acute kidney failure NOS | B | 0 yrs | 4 |
| 5849 | Acute kidney failure NOS | C | 1-3 yrs | 4 |
| 5849 | Acute kidney failure NOS | D | 4-17 yrs | 4 |
| 5854 | Chr kidney dis stage IV | C | 1-3 yrs | 3 |
| 5854 | Chr kidney dis stage IV | D | 4-17 yrs | 3 |
| 5855 | Chron kidney dis stage V | A | 0-28 days | 3 |
| 5855 | Chron kidney dis stage V | B | 0 yrs | 3 |
| 5855 | Chron kidney dis stage V | C | 1-3 yrs | 3 |
| 5855 | Chron kidney dis stage V | D | 4-17 yrs | 3 |
| 5856 | End stage renal disease | A | 0-28 days | 3 |
| 5856 | End stage renal disease | B | 0 yrs | 3 |
| 5856 | End stage renal disease | C | 1-3 yrs | 3 |
| 5856 | End stage renal disease | D | 4-17 yrs | 3 |
| 7585 | Autosomal anomalies NEC | C | 1-3 yrs | 2 |
| 7585 | Autosomal anomalies NEC | D | 4-17 yrs | 2 |
| 7830 | Anorexia | C | 1-3 yrs | 2 |
| 7830 | Anorexia | D | 4-17 yrs | 2 |
| 78340 | Lack norm physio dev NOS | B | 0 yrs | 2 |
| 78340 | Lack norm physio dev NOS | C | 1-3 yrs | 2 |
| 78340 | Lack norm physio dev NOS | D | 4-17 yrs | 2 |

Step 5: SDX/DRG Exception

The following exceptions were changed for Step 5.

| MDC | DRG | DRG description | SDX | SDX description | Final Step 5 SOI changes |
|-----|-----|-------------------------------|-------|--------------------------|--------------------------|
| 00 | 002 | Heart &/or lung transplant | 42731 | Atrial fibrillation | 1 |
| 00 | 952 | Nonextensive proc-unrel pdx | 4928 | Emphysema NEC | 1 |
| 00 | 952 | Nonextensive proc-unrel pdx | 49320 | Chronic obst asthma NOS | 1 |
| 00 | 952 | Nonextensive proc-unrel pdx | 496 | Chr airway obstruct NEC | 1 |
| 01 | 021 | Craniotomy exc for trauma | 42731 | Atrial fibrillation | 1 |
| 01 | 021 | Craniotomy exc for trauma | 4280 | CHF NOS | 1 |
| 01 | 022 | Ventricular shunt proc | 25000 | DMII wo cmp nt st uncntr | 1 |
| 01 | 022 | Ventricular shunt proc | 25001 | DMI wo cmp nt st uncntrl | 1 |
| 01 | 022 | Ventricular shunt proc | 3320 | Paralysis agitans | 1 |
| 01 | 022 | Ventricular shunt proc | 42731 | Atrial fibrillation | 1 |
| 01 | 022 | Ventricular shunt proc | 4280 | CHF NOS | 1 |
| 01 | 023 | Spinal procedures | 42731 | Atrial fibrillation | 1 |
| 01 | 023 | Spinal procedures | 4280 | CHF NOS | 1 |
| 01 | 023 | Spinal procedures | 49320 | Chronic obst asthma NOS | 1 |
| 01 | 023 | Spinal procedures | 496 | Chr airway obstruct NEC | 1 |
| 01 | 024 | Extracranial vascular proc | 3320 | Paralysis agitans | 1 |
| 01 | 024 | Extracranial vascular proc | 42731 | Atrial fibrillation | 1 |
| 01 | 024 | Extracranial vascular proc | 4280 | CHF NOS | 1 |
| 01 | 026 | Oth nervous syst & relat proc | 25070 | DMII circ nt st uncntrld | 2 |
| 01 | 026 | Oth nervous syst & relat proc | 3320 | Paralysis agitans | 1 |
| 01 | 026 | Oth nervous syst & relat proc | 42731 | Atrial fibrillation | 1 |
| 01 | 026 | Oth nervous syst & relat proc | 4280 | CHF NOS | 1 |
| 01 | 040 | Spinal disorders & injuries | 496 | Chr airway obstruct NEC | 1 |
| 01 | 041 | Nervous system malignancy | 4928 | Emphysema NEC | 1 |
| 01 | 041 | Nervous system malignancy | 49320 | Chronic obst asthma NOS | 1 |

| MDC | DRG | DRG description | SDX | SDX description | Final Step 5 SOI changes |
|------------|------------|--------------------------------|------------|--------------------------|---------------------------------|
| 01 | 041 | Nervous system malignancy | 496 | Chr airway obstruct NEC | 1 |
| 01 | 042 | Degeneratv nerv sys dis exc MS | 25000 | DMII wo cmp nt st uncntr | 1 |
| 01 | 042 | Degeneratv nerv sys dis exc MS | 25001 | DMI wo cmp nt st uncntrl | 1 |
| 01 | 042 | Degeneratv nerv sys dis exc MS | 4928 | Emphysema NEC | 1 |
| 01 | 042 | Degeneratv nerv sys dis exc MS | 49320 | Chronic obst asthma NOS | 1 |
| 01 | 042 | Degeneratv nerv sys dis exc MS | 496 | Chr airway obstruct NEC | 1 |
| 01 | 043 | Mult sclerosis/oth demyelin dx | 496 | Chr airway obstruct NEC | 1 |
| 01 | 044 | Intracranial hemorrhage | 4928 | Emphysema NEC | 1 |
| 01 | 044 | Intracranial hemorrhage | 49320 | Chronic obst asthma NOS | 1 |
| 01 | 044 | Intracranial hemorrhage | 496 | Chr airway obstruct NEC | 1 |
| 01 | 045 | CVA w infarct | 25000 | DMII wo cmp nt st uncntr | 1 |
| 01 | 045 | CVA w infarct | 25001 | DMI wo cmp nt st uncntrl | 1 |
| 01 | 045 | CVA w infarct | 4928 | Emphysema NEC | 1 |
| 01 | 045 | CVA w infarct | 49320 | Chronic obst asthma NOS | 1 |
| 01 | 045 | CVA w infarct | 496 | Chr airway obstruct NEC | 1 |
| 01 | 046 | Nonspec CVA & precereb occl | 25000 | DMII wo cmp nt st uncntr | 1 |
| 01 | 046 | Nonspec CVA & precereb occl | 25001 | DMI wo cmp nt st uncntrl | 1 |
| 01 | 046 | Nonspec CVA & precereb occl | 49320 | Chronic obst asthma NOS | 1 |
| 01 | 046 | Nonspec CVA & precereb occl | 496 | Chr airway obstruct NEC | 1 |
| 01 | 047 | Transient ischemia | 25000 | DMII wo cmp nt st uncntr | 1 |
| 01 | 048 | Periph, cranial, auton nerv dx | 25050 | DMII ophth nt st uncntrl | 1 |
| 01 | 048 | Periph, cranial, auton nerv dx | 25051 | DMI ophth nt st uncntrld | 1 |
| 01 | 048 | Periph, cranial, auton nerv dx | 4928 | Emphysema NEC | 1 |

| MDC | DRG | DRG description | SDX | SDX description | Final Step 5 SOI changes |
|------------|------------|--------------------------------|------------|--------------------------|---------------------------------|
| 01 | 048 | Periph, cranial, auton nerv dx | 49320 | Chronic obst asthma NOS | 1 |
| 01 | 048 | Periph, cranial, auton nerv dx | 496 | Chr airway obstruct NEC | 1 |
| 01 | 049 | Bact & tuberculous nerv infect | 25000 | DMII wo cmp nt st uncntr | 1 |
| 01 | 049 | Bact & tuberculous nerv infect | 25001 | DMI wo cmp nt st uncntrl | 1 |
| 01 | 049 | Bact & tuberculous nerv infect | 496 | Chr airway obstruct NEC | 1 |
| 01 | 050 | Non-bact nerv infect exc VM | 496 | Chr airway obstruct NEC | 1 |
| 01 | 051 | Viral meningitis | 496 | Chr airway obstruct NEC | 1 |
| 01 | 052 | Alteration in Consciousness | 4928 | Emphysema NEC | 1 |
| 01 | 052 | Alteration in Consciousness | 49320 | Chronic obst asthma NOS | 1 |
| 01 | 052 | Alteration in Consciousness | 496 | Chr airway obstruct NEC | 1 |
| 01 | 053 | Seizure | 4928 | Emphysema NEC | 1 |
| 01 | 053 | Seizure | 49320 | Chronic obst asthma NOS | 1 |
| 01 | 053 | Seizure | 496 | Chr airway obstruct NEC | 1 |
| 01 | 054 | Migraine & other headache | 3320 | Paralysis agitans | 1 |
| 01 | 054 | Migraine & other headache | 49320 | Chronic obst asthma NOS | 1 |
| 01 | 054 | Migraine & other headache | 496 | Chr airway obstruct NEC | 1 |
| 01 | 055 | Head trauma w coma >1 hr/hemor | 4928 | Emphysema NEC | 1 |
| 01 | 055 | Head trauma w coma >1 hr/hemor | 49320 | Chronic obst asthma NOS | 1 |
| 01 | 055 | Head trauma w coma >1 hr/hemor | 496 | Chr airway obstruct NEC | 1 |
| 01 | 056 | Brain contusion/laceration | 496 | Chr airway obstruct NEC | 1 |
| 01 | 057 | Concussion/closed skull fract | 496 | Chr airway obstruct NEC | 1 |
| 01 | 058 | Oth disorders nervous sys | 4928 | Emphysema NEC | 1 |
| 01 | 058 | Oth disorders nervous sys | 49320 | Chronic obst asthma NOS | 1 |
| 01 | 058 | Oth disorders nervous sys | 496 | Chr airway obstruct NEC | 1 |
| 02 | 070 | Orbit procedures | 25050 | DMII ophth nt st uncntrl | 1 |
| 02 | 070 | Orbit procedures | 4280 | CHF NOS | 1 |
| 02 | 070 | Orbit procedures | 4928 | Emphysema NEC | 1 |
| 02 | 070 | Orbit procedures | 49320 | Chronic obst asthma NOS | 1 |

| MDC | DRG | DRG description | SDX | SDX description | Final Step 5 SOI changes |
|------------|------------|-----------------------------------|------------|--------------------------|---------------------------------|
| 02 | 070 | Orbit procedures | 496 | Chr airway obstruct NEC | 1 |
| 02 | 073 | Eye Procedures except orbit | 25050 | DMII ophth nt st uncntrl | 1 |
| 02 | 073 | Eye Procedures except orbit | 4280 | CHF NOS | 1 |
| 02 | 073 | Eye Procedures except orbit | 4928 | Emphysema NEC | 1 |
| 02 | 073 | Eye Procedures except orbit | 49320 | Chronic obst asthma NOS | 1 |
| 02 | 073 | Eye Procedures except orbit | 496 | Chr airway obstruct NEC | 1 |
| 03 | 089 | Maj cranial/facial bone proc | 496 | Chr airway obstruct NEC | 1 |
| 03 | 091 | Oth maj head & neck proc | 4928 | Emphysema NEC | 1 |
| 03 | 091 | Oth maj head & neck proc | 49320 | Chronic obst asthma NOS | 1 |
| 03 | 091 | Oth maj head & neck proc | 496 | Chr airway obstruct NEC | 1 |
| 03 | 092 | FACIAL BONE PROCEDURES EXCEPT | 49320 | Chronic obst asthma NOS | 1 |
| 03 | 092 | FACIAL BONE PROCEDURES EXCEPT | 496 | Chr airway obstruct NEC | 1 |
| 03 | 097 | Tonsil & adenoid proc | 4280 | CHF NOS | 1 |
| 03 | 097 | Tonsil & adenoid proc | 49320 | Chronic obst asthma NOS | 1 |
| 03 | 097 | Tonsil & adenoid proc | 496 | Chr airway obstruct NEC | 1 |
| 03 | 098 | OTHER EAR, NOSE, MOUTH & THROA | 4280 | CHF NOS | 1 |
| 03 | 098 | OTHER EAR, NOSE, MOUTH & THROA | 4928 | Emphysema NEC | 1 |
| 03 | 098 | OTHER EAR, NOSE, MOUTH & THROA | 49320 | Chronic obst asthma NOS | 1 |
| 03 | 098 | OTHER EAR, NOSE, MOUTH & THROA | 496 | Chr airway obstruct NEC | 1 |
| 03 | 110 | Ear, nose, mouth, throat malig | 496 | Chr airway obstruct NEC | 1 |
| 03 | 111 | Vertigo & other labyrinth dx | 49320 | Chronic obst asthma NOS | 1 |
| 03 | 111 | Vertigo & other labyrinth dx | 496 | Chr airway obstruct NEC | 1 |
| 03 | 113 | Infections of up resp tract | 49320 | Chronic obst asthma NOS | 1 |
| 03 | 113 | Infections of up resp tract | 496 | Chr airway obstruct NEC | 1 |
| 03 | 114 | Facial Injuries and Foreign Bo | 496 | Chr airway obstruct NEC | 1 |

| MDC | DRG | DRG description | SDX | SDX description | Final Step 5 SOI changes |
|------------|------------|--------------------------------|------------|---------------------------|---------------------------------|
| 03 | 115 | Oth ear,nose,mth,thrt,cran dx | 49320 | Chronic obst asthma NOS | 1 |
| 03 | 115 | Oth ear,nose,mth,thrt,cran dx | 496 | Chr airway obstruct NEC | 1 |
| 04 | 133 | Pulmonary edema & resp fail | 4280 | CHF NOS | 1 |
| 05 | 160 | Maj cardiothor repr heart anom | 51851 | Ac resp flr fol trma/srg | 3 |
| 05 | 160 | Maj cardiothor repr heart anom | 51852 | Ot pul insuf fol trm/srg | 2 |
| 05 | 160 | Maj cardiothor repr heart anom | 51853 | Ac/chr rsp flr fol tr/srg | 3 |
| 05 | 160 | Maj cardiothor repr heart anom | 7454 | Ventricular sept defect | 1 |
| 05 | 160 | Maj cardiothor repr heart anom | 7455 | Secundum atrial sept def | 1 |
| 05 | 160 | Maj cardiothor repr heart anom | 7464 | Cong aorta valv insuffic | 1 |
| 05 | 160 | Maj cardiothor repr heart anom | 7470 | Patent ductus arteriosus | 1 |
| 05 | 161 | Card defib/heart asst implant | 3320 | Paralysis agitans | 1 |
| 05 | 161 | Card defib/heart asst implant | 4271 | Parox ventric tachycard | 2 |
| 05 | 162 | Cardiac Valve Procedure with A | 25000 | DMII wo cmp nt st uncncr | 1 |
| 05 | 162 | Cardiac Valve Procedure with A | 7464 | Cong aorta valv insuffic | 1 |
| 05 | 163 | Cardiac Valve Procedure withou | 25000 | DMII wo cmp nt st uncncr | 1 |
| 05 | 163 | Cardiac Valve Procedure withou | 25001 | DMI wo cmp nt st uncncr | 1 |
| 05 | 163 | Cardiac Valve Procedure withou | 7464 | Cong aorta valv insuffic | 1 |
| 05 | 165 | Coronary Bypass with Acute Isc | 25000 | DMII wo cmp nt st uncncr | 1 |
| 05 | 165 | Coronary Bypass with Acute Isc | 25001 | DMI wo cmp nt st uncncr | 1 |
| 05 | 166 | Coronary Bypass without Acute | 25000 | DMII wo cmp nt st uncncr | 1 |

| MDC | DRG | DRG description | SDX | SDX description | Final Step 5 SOI changes |
|------------|------------|--------------------------------|------------|--------------------------|---------------------------------|
| 05 | 166 | Coronary Bypass without Acute | 25001 | DMI wo cmp nt st uncntrl | 1 |
| 05 | 167 | Other Cardiothoracic & Thoraci | 25000 | DMII wo cmp nt st uncntr | 1 |
| 05 | 167 | Other Cardiothoracic & Thoraci | 25001 | DMI wo cmp nt st uncntrl | 1 |
| 05 | 169 | Major Abdominal Vascular Proce | 25000 | DMII wo cmp nt st uncntr | 1 |
| 05 | 169 | Major Abdominal Vascular Proce | 25001 | DMI wo cmp nt st uncntrl | 1 |
| 05 | 170 | Perm card pacemak w AMI/HF/Shk | 4280 | CHF NOS | 1 |
| 05 | 171 | Perm card pacemk wo AMI/HF/Shk | 3320 | Paralysis agitans | 1 |
| 05 | 171 | Perm card pacemk wo AMI/HF/Shk | 4280 | CHF NOS | 1 |
| 05 | 171 | Perm card pacemk wo AMI/HF/Shk | 4928 | Emphysema NEC | 1 |
| 05 | 171 | Perm card pacemk wo AMI/HF/Shk | 49320 | Chronic obst asthma NOS | 1 |
| 05 | 171 | Perm card pacemk wo AMI/HF/Shk | 496 | Chr airway obstruct NEC | 1 |
| 05 | 174 | Percut cardiovasc proc w/AMI | 3320 | Paralysis agitans | 1 |
| 05 | 174 | Percut cardiovasc proc w/AMI | 4928 | Emphysema NEC | 1 |
| 05 | 174 | Percut cardiovasc proc w/AMI | 49320 | Chronic obst asthma NOS | 1 |
| 05 | 174 | Percut cardiovasc proc w/AMI | 496 | Chr airway obstruct NEC | 1 |
| 05 | 175 | Percut cardiovasc wo AMI | 3320 | Paralysis agitans | 1 |
| 05 | 175 | Percut cardiovasc wo AMI | 4928 | Emphysema NEC | 1 |
| 05 | 175 | Percut cardiovasc wo AMI | 49320 | Chronic obst asthma NOS | 1 |
| 05 | 175 | Percut cardiovasc wo AMI | 496 | Chr airway obstruct NEC | 1 |
| 05 | 176 | Card pacemak & defib repl | 3320 | Paralysis agitans | 1 |
| 05 | 176 | Card pacemak & defib repl | 4280 | CHF NOS | 1 |
| 05 | 176 | Card pacemak & defib repl | 49320 | Chronic obst asthma NOS | 1 |
| 05 | 176 | Card pacemak & defib repl | 496 | Chr airway obstruct NEC | 1 |

| MDC | DRG | DRG description | SDX | SDX description | Final Step 5 SOI changes |
|------------|------------|--------------------------------|------------|--------------------------|---------------------------------|
| 05 | 177 | Card pacemak & defib revis | 4280 | CHF NOS | 1 |
| 05 | 177 | Card pacemak & defib revis | 49320 | Chronic obst asthma NOS | 1 |
| 05 | 177 | Card pacemak & defib revis | 496 | Chr airway obstruct NEC | 1 |
| 05 | 180 | Other circulatory system proc | 4280 | CHF NOS | 1 |
| 05 | 180 | Other circulatory system proc | 4928 | Emphysema NEC | 1 |
| 05 | 180 | Other circulatory system proc | 49320 | Chronic obst asthma NOS | 1 |
| 05 | 180 | Other circulatory system proc | 496 | Chr airway obstruct NEC | 1 |
| 05 | 190 | Acute myocardial infarct | 49320 | Chronic obst asthma NOS | 1 |
| 05 | 190 | Acute myocardial infarct | 496 | Chr airway obstruct NEC | 1 |
| 05 | 191 | Card cathet exc ischemia | 4928 | Emphysema NEC | 1 |
| 05 | 191 | Card cathet exc ischemia | 49320 | Chronic obst asthma NOS | 1 |
| 05 | 191 | Card cathet exc ischemia | 496 | Chr airway obstruct NEC | 1 |
| 05 | 194 | Heart failure | 5939 | Renal & ureteral dis NOS | 1 |
| 06 | 223 | Oth small & large bowel proc | 3320 | Paralysis agitans | 1 |
| 06 | 226 | Anal procedures | 4280 | CHF NOS | 2 |
| 06 | 227 | Hernia proc exc inguin/fem/umb | 3320 | Paralysis agitans | 1 |
| 06 | 227 | Hernia proc exc inguin/fem/umb | 4280 | CHF NOS | 1 |
| 06 | 228 | Ing, fem & umbil hernia proc | 3320 | Paralysis agitans | 1 |
| 06 | 228 | Ing, fem & umbil hernia proc | 4280 | CHF NOS | 1 |
| 06 | 229 | Oth digest sys & abdom proc | 4280 | CHF NOS | 1 |
| 06 | 229 | Oth digest sys & abdom proc | 4928 | Emphysema NEC | Deleted |
| 06 | 229 | Oth digest sys & abdom proc | 49320 | Chronic obst asthma NOS | Deleted |
| 06 | 229 | Oth digest sys & abdom proc | 496 | Chr airway obstruct NEC | Deleted |
| 06 | 248 | Major GI & peritoneal infectn | 25000 | DMII wo cmp nt st uncntr | 1 |
| 06 | 248 | Major GI & peritoneal infectn | 25001 | DMI wo cmp nt st uncntrl | 1 |
| 06 | 253 | Oth/unspec GI hemorrhage | 49320 | Chronic obst asthma NOS | 1 |
| 06 | 253 | Oth/unspec GI hemorrhage | 496 | Chr airway obstruct NEC | 1 |
| 06 | 254 | Oth digestive system dx | 3320 | Paralysis agitans | 1 |

| MDC | DRG | DRG description | SDX | SDX description | Final Step 5 SOI changes |
|------------|------------|--------------------------------|------------|--------------------------|---------------------------------|
| 07 | 262 | Cholecystectomy exc lap | 3320 | Paralysis agitans | 1 |
| 07 | 263 | Lap cholecystectomy | 3320 | Paralysis agitans | 1 |
| 08 | 301 | Hip joint replacement | 3320 | Paralysis agitans | 1 |
| 08 | 301 | Hip joint replacement | 42731 | Atrial fibrillation | 1 |
| 08 | 301 | Hip joint replacement | 4280 | CHF NOS | 1 |
| 08 | 301 | Hip joint replacement | 4928 | Emphysema NEC | 1 |
| 08 | 301 | Hip joint replacement | 49320 | Chronic obst asthma NOS | 1 |
| 08 | 301 | Hip joint replacement | 496 | Chr airway obstruct NEC | 1 |
| 08 | 302 | Knee joint replacement | 3320 | Paralysis agitans | 1 |
| 08 | 302 | Knee joint replacement | 42731 | Atrial fibrillation | 1 |
| 08 | 303 | Dors/lumb fusion for curv back | 2851 | Ac posthemorrhag anemia | 1 |
| 08 | 303 | Dors/lumb fusion for curv back | 42731 | Atrial fibrillation | 1 |
| 08 | 303 | Dors/lumb fusion for curv back | 496 | Chr airway obstruct NEC | 1 |
| 08 | 304 | Dors/lumb fusion exc curv back | 3320 | Paralysis agitans | 1 |
| 08 | 304 | Dors/lumb fusion exc curv back | 42731 | Atrial fibrillation | 1 |
| 08 | 304 | Dors/lumb fusion exc curv back | 4928 | Emphysema NEC | 1 |
| 08 | 304 | Dors/lumb fusion exc curv back | 49320 | Chronic obst asthma NOS | 1 |
| 08 | 304 | Dors/lumb fusion exc curv back | 496 | Chr airway obstruct NEC | 1 |
| 08 | 305 | Amputation lower limb exc toe | 25070 | DMII circ nt st uncntrld | 1 |
| 08 | 305 | Amputation lower limb exc toe | 44024 | Ath ext ntv art gngrene | 1 |
| 08 | 305 | Amputation lower limb exc toe | 7854 | Gangrene | 1 |
| 08 | 308 | Hip/fem proc exc jt repl-traum | 3320 | Paralysis agitans | 1 |
| 08 | 308 | Hip/fem proc exc jt repl-traum | 42731 | Atrial fibrillation | 1 |

| MDC | DRG | DRG description | SDX | SDX description | Final Step 5 SOI changes |
|------------|------------|--------------------------------|------------|--------------------------|---------------------------------|
| 08 | 308 | Hip/fem proc exc jt repl-traum | 4280 | CHF NOS | 1 |
| 08 | 308 | Hip/fem proc exc jt repl-traum | 4928 | Emphysema NEC | 1 |
| 08 | 308 | Hip/fem proc exc jt repl-traum | 49320 | Chronic obst asthma NOS | 1 |
| 08 | 308 | Hip/fem proc exc jt repl-traum | 496 | Chr airway obstruct NEC | 1 |
| 08 | 309 | Hip/fem proc exc jt rpl-nontr | 2851 | Ac posthemorrhag anemia | Deleted |
| 08 | 309 | Hip/fem proc exc jt rpl-nontr | 3320 | Paralysis agitans | 1 |
| 08 | 309 | Hip/fem proc exc jt rpl-nontr | 42731 | Atrial fibrillation | 1 |
| 08 | 309 | Hip/fem proc exc jt rpl-nontr | 4280 | CHF NOS | 1 |
| 08 | 309 | Hip/fem proc exc jt rpl-nontr | 4928 | Emphysema NEC | 1 |
| 08 | 309 | Hip/fem proc exc jt rpl-nontr | 49320 | Chronic obst asthma NOS | 1 |
| 08 | 309 | Hip/fem proc exc jt rpl-nontr | 496 | Chr airway obstruct NEC | 1 |
| 08 | 310 | Intervertebral disc excision | 3320 | Paralysis agitans | 1 |
| 08 | 310 | Intervertebral disc excision | 42731 | Atrial fibrillation | 1 |
| 08 | 310 | Intervertebral disc excision | 4928 | Emphysema NEC | 1 |
| 08 | 310 | Intervertebral disc excision | 49320 | Chronic obst asthma NOS | 1 |
| 08 | 310 | Intervertebral disc excision | 496 | Chr airway obstruct NEC | 1 |
| 08 | 312 | Skin grft exc hand-msckl/conn | 42731 | Atrial fibrillation | 1 |
| 08 | 312 | Skin grft exc hand-msckl/conn | 4280 | CHF NOS | 1 |
| 08 | 313 | Knee & lower leg proc exc foot | 3320 | Paralysis agitans | 1 |
| 08 | 313 | Knee & lower leg proc exc foot | 42731 | Atrial fibrillation | 1 |
| 08 | 313 | Knee & lower leg proc exc foot | 4280 | CHF NOS | 1 |
| 08 | 314 | Foot & toe procedures | 25070 | DMII circ nt st uncntrld | 1 |
| 08 | 314 | Foot & toe procedures | 25071 | DMI circ nt st uncntrld | 1 |
| 08 | 314 | Foot & toe procedures | 3320 | Paralysis agitans | 1 |
| 08 | 314 | Foot & toe procedures | 42731 | Atrial fibrillation | 1 |
| 08 | 314 | Foot & toe procedures | 4280 | CHF NOS | 1 |
| 08 | 314 | Foot & toe procedures | 7854 | Gangrene | 2 |

| MDC | DRG | DRG description | SDX | SDX description | Final Step 5 SOI changes |
|------------|------------|--------------------------------|------------|-------------------------|---------------------------------|
| 08 | 315 | Shoulder, up arm, forearm proc | 3320 | Paralysis agitans | 1 |
| 08 | 315 | Shoulder, up arm, forearm proc | 42731 | Atrial fibrillation | 1 |
| 08 | 315 | Shoulder, up arm, forearm proc | 4280 | CHF NOS | 1 |
| 08 | 316 | Hand & wrist procedures | 42731 | Atrial fibrillation | 1 |
| 08 | 316 | Hand & wrist procedures | 4280 | CHF NOS | 1 |
| 08 | 317 | Tendon/muscle/soft tiss proc | 3320 | Paralysis agitans | 1 |
| 08 | 317 | Tendon/muscle/soft tiss proc | 42731 | Atrial fibrillation | 1 |
| 08 | 317 | Tendon/muscle/soft tiss proc | 4280 | CHF NOS | 1 |
| 08 | 317 | Tendon/muscle/soft tiss proc | 7854 | Gangrene | 2 |
| 08 | 320 | Oth musculoskeletal proc | 25080 | DMII oth nt st uncntrld | 1 |
| 08 | 320 | Oth musculoskeletal proc | 3320 | Paralysis agitans | 1 |
| 08 | 320 | Oth musculoskeletal proc | 42731 | Atrial fibrillation | 1 |
| 08 | 320 | Oth musculoskeletal proc | 4280 | CHF NOS | 1 |
| 08 | 321 | Cerv spinal fus/oth back&nk pr | 3320 | Paralysis agitans | 1 |
| 08 | 321 | Cerv spinal fus/oth back&nk pr | 42731 | Atrial fibrillation | 1 |
| 08 | 321 | Cerv spinal fus/oth back&nk pr | 4928 | Emphysema NEC | 1 |
| 08 | 321 | Cerv spinal fus/oth back&nk pr | 49320 | Chronic obst asthma NOS | 1 |
| 08 | 321 | Cerv spinal fus/oth back&nk pr | 496 | Chr airway obstruct NEC | 1 |
| 08 | 340 | Fracture of femur | 49320 | Chronic obst asthma NOS | 1 |
| 08 | 340 | Fracture of femur | 496 | Chr airway obstruct NEC | 1 |
| 08 | 341 | Fx pelvis/hip dislocation | 49320 | Chronic obst asthma NOS | 1 |
| 08 | 341 | Fx pelvis/hip dislocation | 496 | Chr airway obstruct NEC | 1 |
| 08 | 342 | Fx&dislocat exc fem/pelv/back | 4928 | Emphysema NEC | 1 |
| 08 | 342 | Fx&dislocat exc | 49320 | Chronic obst asthma NOS | 1 |

| MDC | DRG | DRG description | SDX | SDX description | Final Step 5 SOI changes |
|------------|------------|-----------------------------------|------------|--------------------------|---------------------------------|
| | | fem/pelv/back | | | |
| 08 | 342 | Fx&dislocat exc fem/pelv/back | 496 | Chr airway obstruct NEC | 1 |
| 08 | 343 | Musculoskel malign & pathol fx | 25000 | DMII wo cmp nt st uncntr | 1 |
| 08 | 343 | Musculoskel malign & pathol fx | 25001 | DMI wo cmp nt st uncntrl | 1 |
| 08 | 343 | Musculoskel malign & pathol fx | 4928 | Emphysema NEC | 1 |
| 08 | 343 | Musculoskel malign & pathol fx | 49320 | Chronic obst asthma NOS | 1 |
| 08 | 343 | Musculoskel malign & pathol fx | 496 | Chr airway obstruct NEC | 1 |
| 08 | 344 | Bone/joint/oth muscskel infect | 25000 | DMII wo cmp nt st uncntr | 1 |
| 08 | 344 | Bone/joint/oth muscskel infect | 25001 | DMI wo cmp nt st uncntrl | 1 |
| 08 | 344 | Bone/joint/oth muscskel infect | 25080 | DMII oth nt st uncntrld | 1 |
| 08 | 344 | Bone/joint/oth muscskel infect | 25081 | DMI oth nt st uncntrld | 1 |
| 08 | 344 | Bone/joint/oth muscskel infect | 49320 | Chronic obst asthma NOS | 1 |
| 08 | 344 | Bone/joint/oth muscskel infect | 496 | Chr airway obstruct NEC | 1 |
| 08 | 344 | Bone/joint/oth muscskel infect | 70715 | Ulcer other part of foot | 1 |
| 08 | 346 | Connective tissue disorder | 4928 | Emphysema NEC | 1 |
| 08 | 346 | Connective tissue disorder | 49320 | Chronic obst asthma NOS | 1 |
| 08 | 346 | Connective tissue disorder | 496 | Chr airway obstruct NEC | 1 |
| 08 | 347 | Back & neck dis, fract & inj | 4928 | Emphysema NEC | 1 |
| 08 | 347 | Back & neck dis, fract & inj | 49320 | Chronic obst asthma NOS | 1 |
| 08 | 347 | Back & neck dis, fract & inj | 496 | Chr airway obstruct NEC | 1 |
| 08 | 349 | Malf/react/comp orth dev/proc | 49320 | Chronic obst asthma NOS | 1 |
| 08 | 349 | Malf/react/comp orth dev/proc | 496 | Chr airway obstruct NEC | 1 |
| 08 | 351 | Oth musculoskl & conn tiss dx | 4928 | Emphysema NEC | 1 |
| 08 | 351 | Oth musculoskl & conn tiss dx | 49320 | Chronic obst asthma NOS | 1 |
| 08 | 351 | Oth musculoskl & conn tiss | 496 | Chr airway obstruct NEC | 1 |

| MDC | DRG | DRG description | SDX | SDX description | Final Step 5 SOI changes |
|-----|-----|--------------------------------|-------|--------------------------|--------------------------|
| | | dx | | | |
| 09 | 361 | Skin graft-skin & subcu dx | 25080 | DMII oth nt st uncntrld | 1 |
| 09 | 362 | Mastectomy procedures | 3320 | Paralysis agitans | 1 |
| 09 | 362 | Mastectomy procedures | 42731 | Atrial fibrillation | 1 |
| 09 | 362 | Mastectomy procedures | 4280 | CHF NOS | 1 |
| 09 | 363 | Breast proc exc mastectomy | 42731 | Atrial fibrillation | 1 |
| 09 | 363 | Breast proc exc mastectomy | 4280 | CHF NOS | 1 |
| 09 | 364 | Other skin & subcut proc | 3320 | Paralysis agitans | 1 |
| 09 | 380 | Skin ulcers | 4928 | Emphysema NEC | 1 |
| 09 | 380 | Skin ulcers | 49320 | Chronic obst asthma NOS | 1 |
| 09 | 380 | Skin ulcers | 496 | Chr airway obstruct NEC | 1 |
| 09 | 381 | Major skin disorders | 496 | Chr airway obstruct NEC | 1 |
| 09 | 382 | Malignant breast disorders | 496 | Chr airway obstruct NEC | 1 |
| 09 | 383 | Cellulitis & other skin infect | 4928 | Emphysema NEC | 1 |
| 09 | 383 | Cellulitis & other skin infect | 49320 | Chronic obst asthma NOS | 1 |
| 09 | 383 | Cellulitis & other skin infect | 496 | Chr airway obstruct NEC | 1 |
| 09 | 384 | Contusion/open wnd skin/oth tr | 4928 | Emphysema NEC | 1 |
| 09 | 384 | Contusion/open wnd skin/oth tr | 49320 | Chronic obst asthma NOS | 1 |
| 09 | 384 | Contusion/open wnd skin/oth tr | 496 | Chr airway obstruct NEC | 1 |
| 10 | 420 | Diabetes | 25040 | DMII renl nt st uncntrld | 1 |
| 10 | 420 | Diabetes | 25041 | DMI renl nt st uncntrld | 1 |
| 10 | 420 | Diabetes | 4928 | Emphysema NEC | 1 |
| 10 | 420 | Diabetes | 49320 | Chronic obst asthma NOS | 1 |
| 10 | 420 | Diabetes | 496 | Chr airway obstruct NEC | 1 |
| 10 | 421 | Malnut,fail thrive,oth nutr dx | 4928 | Emphysema NEC | 1 |
| 10 | 421 | Malnut,fail thrive,oth nutr dx | 49320 | Chronic obst asthma NOS | 1 |
| 10 | 421 | Malnut,fail thrive,oth nutr dx | 496 | Chr airway obstruct NEC | 1 |
| 10 | 423 | Inborn errors metabolism | 496 | Chr airway obstruct NEC | 1 |

| MDC | DRG | DRG description | SDX | SDX description | Final Step 5 SOI changes |
|------------|------------|--------------------------------|------------|--------------------------|---------------------------------|
| 10 | 424 | Oth endocrine disorders | 49320 | Chronic obst asthma NOS | 1 |
| 10 | 424 | Oth endocrine disorders | 496 | Chr airway obstruct NEC | 1 |
| 10 | 425 | Other non-hypovolemic electrol | 4928 | Emphysema NEC | 1 |
| 10 | 425 | Other non-hypovolemic electrol | 49320 | Chronic obst asthma NOS | 1 |
| 10 | 425 | Other non-hypovolemic electrol | 496 | Chr airway obstruct NEC | 1 |
| 11 | 440 | Kidney transplant | 25050 | DMII ophth nt st uncntrl | 1 |
| 11 | 440 | Kidney transplant | 25051 | DMI ophth nt st uncntrld | 1 |
| 11 | 444 | Renal dialysis access device a | 25040 | DMII renl nt st uncntrld | 1 |
| 11 | 444 | Renal dialysis access device a | 25041 | DMI renl nt st uncntrld | 1 |
| 11 | 444 | Renal dialysis access device a | 25050 | DMII ophth nt st uncntrl | 1 |
| 11 | 444 | Renal dialysis access device a | 25051 | DMI ophth nt st uncntrld | 1 |
| 11 | 444 | Renal dialysis access device a | 3320 | Paralysis agitans | 1 |
| 11 | 444 | Renal dialysis access device a | 42731 | Atrial fibrillation | 1 |
| 11 | 444 | Renal dialysis access device a | 4280 | CHF NOS | 1 |
| 11 | 445 | Other bladder proc | 4280 | CHF NOS | 1 |
| 11 | 446 | Urethral & transureth proc | 25040 | DMII renl nt st uncntrld | 1 |
| 11 | 446 | Urethral & transureth proc | 3320 | Paralysis agitans | 1 |
| 11 | 446 | Urethral & transureth proc | 42731 | Atrial fibrillation | 1 |
| 11 | 446 | Urethral & transureth proc | 4280 | CHF NOS | 1 |
| 11 | 447 | Oth kid/urin tract & rel proc | 25040 | DMII renl nt st uncntrld | 1 |
| 11 | 447 | Oth kid/urin tract & rel proc | 42731 | Atrial fibrillation | 1 |
| 12 | 482 | Transurethral prostatectomy | 3320 | Paralysis agitans | 1 |
| 12 | 482 | Transurethral prostatectomy | 42731 | Atrial fibrillation | 1 |

| MDC | DRG | DRG description | SDX | SDX description | Final Step 5 SOI changes |
|------------|------------|--|------------|---------------------------|---------------------------------|
| 12 | 482 | Transurethral prostatectomy | 4280 | CHF NOS | 1 |
| 12 | 483 | Testes & scrotal proc | 4280 | CHF NOS | 1 |
| 12 | 484 | Oth male reprod syst/rel proc | 4280 | CHF NOS | 1 |
| 13 | 530 | Female repro syst malig | 496 | Chr airway obstruct NEC | 1 |
| 13 | 531 | Female repro syst infection | 496 | Chr airway obstruct NEC | 1 |
| 13 | 532 | Menstrual/oth female reprod dx | 496 | Chr airway obstruct NEC | 1 |
| 14 | 540 | Cesarean delivery | 27800 | Obesity NOS | 2 |
| 14 | 540 | Cesarean delivery | 4019 | Hypertension NOS | 2 |
| 14 | 540 | Cesarean delivery | 64761 | Oth viral dis-delivered | 1 |
| 14 | 540 | Cesarean delivery | 64881 | Abn glucose toler-deliv | 2 |
| 14 | 540 | Cesarean delivery | 64911 | Obesity-delivered | 2 |
| 14 | 540 | Cesarean delivery | 65221 | Breech presentat-deliver | Deleted |
| 14 | 540 | Cesarean delivery | 65281 | Malposition NEC-deliver | Deleted |
| 14 | 540 | Cesarean delivery | 65291 | Malposition NOS-deliver | Deleted |
| 14 | 540 | Cesarean delivery | 65701 | Polyhydramnios-delivered | 1 |
| 14 | 540 | Cesarean delivery | 65911 | Fail induction NOS-deliv | 2 |
| 14 | 540 | Cesarean delivery | 66031 | Persist occipitpost-deliv | 2 |
| 14 | 541 | Vaginal delivery w sterilization &/or D&C | 27800 | Obesity NOS | 2 |
| 14 | 541 | Vaginal delivery w sterilization &/or D&C | 4019 | Hypertension NOS | 2 |
| 14 | 541 | Vaginal delivery w sterilization &/or D&C | 49390 | Asthma NOS | Deleted |
| 14 | 542 | Vaginal delivery w complicating procedures exc ste | 27800 | Obesity NOS | 2 |
| 14 | 542 | Vaginal delivery w complicating procedures exc ste | 4019 | Hypertension NOS | 2 |
| 14 | 542 | Vaginal delivery w complicating procedures exc ste | 49390 | Asthma NOS | Deleted |

| MDC | DRG | DRG description | SDX | SDX description | Final Step 5 SOI changes |
|------------|------------|--|------------|--------------------------|---------------------------------|
| 14 | 544 | D&C, aspiration curettage or hysterotomy for obste | 27800 | Obesity NOS | 2 |
| 14 | 544 | D&C, aspiration curettage or hysterotomy for obste | 4019 | Hypertension NOS | 2 |
| 14 | 544 | D&C, aspiration curettage or hysterotomy for obste | 49390 | Asthma NOS | Deleted |
| 14 | 545 | Ectopic pregnancy procedure | 27800 | Obesity NOS | 2 |
| 14 | 545 | Ectopic pregnancy procedure | 4019 | Hypertension NOS | 2 |
| 14 | 546 | Other O.R. proc for obstetric diagnoses except del | 27800 | Obesity NOS | 2 |
| 14 | 546 | Other O.R. proc for obstetric diagnoses except del | 4019 | Hypertension NOS | 2 |
| 14 | 560 | Vaginal delivery | 27800 | Obesity NOS | 2 |
| 14 | 560 | Vaginal delivery | 4019 | Hypertension NOS | 2 |
| 14 | 560 | Vaginal delivery | 49390 | Asthma NOS | Deleted |
| 14 | 560 | Vaginal delivery | 64761 | Oth viral dis-delivered | 1 |
| 14 | 560 | Vaginal delivery | 64841 | Mental disorder-deliver | 2 |
| 14 | 560 | Vaginal delivery | 64842 | Mental dis-deliv w p/p | 2 |
| 14 | 560 | Vaginal delivery | 64881 | Abn glucose toler-deliv | 2 |
| 14 | 560 | Vaginal delivery | 65421 | Prev c-delivery-delivrd | Deleted |
| 14 | 560 | Vaginal delivery | 65651 | Poor fetal growth-deliv | Deleted |
| 14 | 560 | Vaginal delivery | 65801 | Oligohydramnios-deliver | Deleted |
| 14 | 560 | Vaginal delivery | 66041 | Shoulder dystocia-deliv | Deleted |
| 14 | 560 | Vaginal delivery | 66551 | Ob inj pelv org NEC-del | 1 |
| 14 | 560 | Vaginal delivery | 67181 | Venous compl NEC-deliver | 1 |
| 14 | 560 | Vaginal delivery | 67182 | Ven comp NEC-deliv w p/p | 1 |
| 14 | 560 | Vaginal delivery | 7962 | Elev bl pres w/o hypertn | 2 |
| 14 | 561 | Postpartum & post abortion diagnoses w/o procedure | 27800 | Obesity NOS | 2 |
| 14 | 561 | Postpartum & post abortion diagnoses w/o procedure | 4019 | Hypertension NOS | 2 |
| 14 | 561 | Postpartum & post abortion diagnoses w/o procedure | 49390 | Asthma NOS | Deleted |

| MDC | DRG | DRG description | SDX | SDX description | Final Step 5 SOI changes |
|------------|------------|--|------------|--------------------------|---------------------------------|
| 14 | 563 | Threatened abortion | 27800 | Obesity NOS | 2 |
| 14 | 563 | Threatened abortion | 4019 | Hypertension NOS | 2 |
| 14 | 563 | Threatened abortion | 49390 | Asthma NOS | Deleted |
| 14 | 564 | Abortion w/o D&C, aspiration curettage or hysterot | 27800 | Obesity NOS | 2 |
| 14 | 564 | Abortion w/o D&C, aspiration curettage or hysterot | 4019 | Hypertension NOS | 2 |
| 14 | 564 | Abortion w/o D&C, aspiration curettage or hysterot | 49390 | Asthma NOS | Deleted |
| 14 | 565 | False labor | 27800 | Obesity NOS | 2 |
| 14 | 565 | False labor | 4019 | Hypertension NOS | 2 |
| 14 | 565 | False labor | 49390 | Asthma NOS | Deleted |
| 14 | 566 | Other antepartum diagnoses | 27800 | Obesity NOS | 2 |
| 14 | 566 | Other antepartum diagnoses | 4019 | Hypertension NOS | 2 |
| 14 | 566 | Other antepartum diagnoses | 49390 | Asthma NOS | Deleted |
| 15 | 580 | Neo, trans <5d not born here | 77181 | NB septicemia [sepsis] | 2 |
| 15 | 581 | Neo, trans <5d born here | 77181 | NB septicemia [sepsis] | 2 |
| 15 | 583 | Neonate with ECMO | 769 | Respiratory distress syn | 2 |
| 15 | 583 | Neonate with ECMO | 77181 | NB septicemia [sepsis] | 2 |
| 15 | 588 | Neo bw <1500g w/maj proc | 769 | Respiratory distress syn | 2 |
| 15 | 588 | Neo bw <1500g w/maj proc | 77181 | NB septicemia [sepsis] | 2 |
| 15 | 589 | Neo bw <500g | 77181 | NB septicemia [sepsis] | 2 |
| 15 | 591 | Neo bw 500-749g wo maj proc | 77181 | NB septicemia [sepsis] | 2 |
| 15 | 593 | Neo bw 750-999g wo maj proc | 76522 | 24 comp weeks gestation | 2 |
| 15 | 593 | Neo bw 750-999g wo maj proc | 76523 | 25-26 comp wks gestation | 2 |
| 15 | 593 | Neo bw 750-999g wo maj proc | 77181 | NB septicemia [sepsis] | 2 |
| 15 | 602 | Neo bw 1000-1249g w RDS/mj anm | 76523 | 25-26 comp wks gestation | 3 |
| 15 | 602 | Neo bw 1000-1249g w | 76524 | 27-28 comp wks gestation | 2 |

| MDC | DRG | DRG description | SDX | SDX description | Final Step 5 SOI changes |
|-----|-----|--------------------------------|-------|--------------------------|--------------------------|
| | | RDS/mj anm | | | |
| 15 | 602 | Neo bw 1000-1249g w RDS/mj anm | 77181 | NB septicemia [sepsis] | 2 |
| 15 | 603 | Neo bw 1000-1249g w/wo oth sig | 76523 | 25-26 comp wks gestation | 3 |
| 15 | 603 | Neo bw 1000-1249g w/wo oth sig | 76524 | 27-28 comp wks gestation | 2 |
| 15 | 603 | Neo bw 1000-1249g w/wo oth sig | 77181 | NB septicemia [sepsis] | 2 |
| 15 | 607 | Neo bw 1250-1499g w RDS/mj anm | 76524 | 27-28 comp wks gestation | 3 |
| 15 | 607 | Neo bw 1250-1499g w RDS/mj anm | 77181 | NB septicemia [sepsis] | 2 |
| 15 | 608 | Neo bw 1250-1499g w/wo oth sig | 76524 | 27-28 comp wks gestation | 3 |
| 15 | 608 | Neo bw 1250-1499g w/wo oth sig | 77181 | NB septicemia [sepsis] | 2 |
| 15 | 609 | Neo bw 1500-2499g w/maj proc | 76523 | 25-26 comp wks gestation | 3 |
| 15 | 609 | Neo bw 1500-2499g w/maj proc | 76525 | 29-30 comp wks gestation | 3 |
| 15 | 609 | Neo bw 1500-2499g w/maj proc | 76526 | 31-32 comp wks gestation | 2 |
| 15 | 609 | Neo bw 1500-2499g w/maj proc | 77181 | NB septicemia [sepsis] | 2 |
| 15 | 611 | Neo bw 1500-1999g w/maj anom | 76525 | 29-30 comp wks gestation | 3 |
| 15 | 611 | Neo bw 1500-1999g w/maj anom | 77181 | NB septicemia [sepsis] | 2 |
| 15 | 612 | Neo bw 1500-1999g w RDS/mj res | 76525 | 29-30 comp wks gestation | 3 |
| 15 | 612 | Neo bw 1500-1999g w RDS/mj res | 77181 | NB septicemia [sepsis] | 2 |
| 15 | 613 | Neo bw 1500-1999g perin infec | 76525 | 29-30 comp wks gestation | 3 |
| 15 | 613 | Neo bw 1500-1999g perin | 77181 | NB septicemia [sepsis] | 2 |

| MDC | DRG | DRG description | SDX | SDX description | Final Step 5 SOI changes |
|-----|-----|--------------------------------|-------|--------------------------|--------------------------|
| | | infec | | | |
| 15 | 614 | Neo bw 1500-1999g w/wo oth sig | 76525 | 29-30 comp wks gestation | 3 |
| 15 | 614 | Neo bw 1500-1999g w/wo oth sig | 77181 | NB septicemia [sepsis] | 2 |
| 15 | 621 | Neo bw 2000-2499g w/maj anom | 76526 | 31-32 comp wks gestation | 3 |
| 15 | 621 | Neo bw 2000-2499g w/maj anom | 77181 | NB septicemia [sepsis] | 2 |
| 15 | 622 | Neo bw 2000-2499g w RDS/mj res | 76526 | 31-32 comp wks gestation | 3 |
| 15 | 622 | Neo bw 2000-2499g w RDS/mj res | 77181 | NB septicemia [sepsis] | 2 |
| 15 | 623 | Neo bw 2000-2499g perin infec | 76526 | 31-32 comp wks gestation | 3 |
| 15 | 625 | Neo bw 2000-2499g oth sig dx | 76526 | 31-32 comp wks gestation | 3 |
| 15 | 625 | Neo bw 2000-2499g oth sig dx | 77181 | NB septicemia [sepsis] | 2 |
| 15 | 626 | Neo bw 2000-2499g NNB/oth prob | 76526 | 31-32 comp wks gestation | 3 |
| 15 | 626 | Neo bw 2000-2499g NNB/oth prob | 77083 | Cyanotic attack, newborn | 2 |
| 15 | 626 | Neo bw 2000-2499g NNB/oth prob | 77181 | NB septicemia [sepsis] | 2 |
| 15 | 630 | Neo bw >2499g maj CV proc | 77181 | NB septicemia [sepsis] | 2 |
| 15 | 631 | Neo bw >2499g oth maj proc | 77181 | NB septicemia [sepsis] | 2 |
| 15 | 633 | Neo bw >2499g w/maj anom | 76527 | 33-34 comp wks gestation | 3 |
| 15 | 633 | Neo bw >2499g w/maj anom | 77181 | NB septicemia [sepsis] | 2 |
| 15 | 634 | Neo bw >2499g w RDS/maj resp | 76527 | 33-34 comp wks gestation | 3 |
| 15 | 634 | Neo bw >2499g w RDS/maj resp | 769 | Respiratory distress syn | 2 |
| 15 | 634 | Neo bw >2499g w RDS/maj resp | 77181 | NB septicemia [sepsis] | 2 |

| MDC | DRG | DRG description | SDX | SDX description | Final Step 5 SOI changes |
|------------|------------|--------------------------------|------------|--------------------------|---------------------------------|
| 15 | 636 | Neo bw >2499g perin infect | 76527 | 33-34 comp wks gestation | 3 |
| 15 | 639 | Neo bw >2499g oth sig cond | 76527 | 33-34 comp wks gestation | 3 |
| 15 | 639 | Neo bw >2499g oth sig cond | 77181 | NB septicemia [sepsis] | 2 |
| 15 | 640 | Neo bw >2499g norm NB/oth prob | 76527 | 33-34 comp wks gestation | 3 |
| 15 | 640 | Neo bw >2499g norm NB/oth prob | 77083 | Cyanotic attack, newborn | 2 |
| 15 | 640 | Neo bw >2499g norm NB/oth prob | 77181 | NB septicemia [sepsis] | 2 |
| 16 | 660 | Maj hematologic/immunol dx | 4928 | Emphysema NEC | 1 |
| 16 | 660 | Maj hematologic/immunol dx | 49320 | Chronic obst asthma NOS | 1 |
| 16 | 660 | Maj hematologic/immunol dx | 496 | Chr airway obstruct NEC | 1 |
| 16 | 661 | Coagulation/platelet disorder | 49320 | Chronic obst asthma NOS | 1 |
| 16 | 661 | Coagulation/platelet disorder | 496 | Chr airway obstruct NEC | 1 |
| 16 | 662 | Sickle cell anemia crisis | 79902 | Hypoxemia | 2 |
| 16 | 662 | Sickle cell anemia crisis | 28952 | Splenic sequestration | 3 |
| 16 | 662 | Sickle cell anemia crisis | 496 | Chr airway obstruct NEC | 1 |
| 16 | 662 | Sickle cell anemia crisis | 7242 | Lumbago | Deleted |
| 16 | 662 | Sickle cell anemia crisis | 7245 | Backache NOS | Deleted |
| 16 | 662 | Sickle cell anemia crisis | 7291 | Myalgia and myositis NOS | Deleted |
| 16 | 662 | Sickle cell anemia crisis | 7295 | Pain in limb | Deleted |
| 16 | 663 | Other anemia/blood disord | 4928 | Emphysema NEC | 1 |
| 16 | 663 | Other anemia/blood disord | 49320 | Chronic obst asthma NOS | 1 |
| 16 | 663 | Other anemia/blood disord | 496 | Chr airway obstruct NEC | 1 |
| 17 | 681 | Oth proc lymph/hemat/oth neopl | 49320 | Chronic obst asthma NOS | 1 |
| 17 | 681 | Oth proc lymph/hemat/oth neopl | 496 | Chr airway obstruct NEC | 1 |
| 17 | 690 | Acute leukemia | 496 | Chr airway obstruct NEC | 1 |
| 17 | 691 | Lymph/myelo/non-ac leuk | 4928 | Emphysema NEC | 1 |
| 17 | 691 | Lymph/myelo/non-ac leuk | 49320 | Chronic obst asthma NOS | 1 |
| 17 | 691 | Lymph/myelo/non-ac leuk | 496 | Chr airway obstruct NEC | 1 |

| MDC | DRG | DRG description | SDX | SDX description | Final Step 5 SOI changes |
|------------|------------|--------------------------------|------------|---------------------------|---------------------------------|
| 17 | 692 | Radiotherapy | 496 | Chr airway obstruct NEC | 1 |
| 17 | 693 | Chemotherapy | 4928 | Emphysema NEC | 1 |
| 17 | 693 | Chemotherapy | 49320 | Chronic obst asthma NOS | 1 |
| 17 | 693 | Chemotherapy | 496 | Chr airway obstruct NEC | 1 |
| 17 | 694 | Lymph & oth malig & neopl | 4928 | Emphysema NEC | 1 |
| 17 | 694 | Lymph & oth malig & neopl | 49320 | Chronic obst asthma NOS | 1 |
| 17 | 694 | Lymph & oth malig & neopl | 496 | Chr airway obstruct NEC | 1 |
| 18 | 720 | Septicemia & dissem infect | 25000 | DMII wo cmp nt st uncuntr | 1 |
| 18 | 720 | Septicemia & dissem infect | 25001 | DMI wo cmp nt st uncuntr | 1 |
| 18 | 720 | Septicemia & dissem infect | 78552 | Septic shock | 3 |
| 18 | 720 | Septicemia & dissem infect | 99592 | Severe sepsis | 2 |
| 18 | 724 | Oth infect & parasitic dis | 25000 | DMII wo cmp nt st uncuntr | 1 |
| 18 | 724 | Oth infect & parasitic dis | 25001 | DMI wo cmp nt st uncuntr | 1 |
| 19 | 750 | Schizophrenia | 29590 | Schizophrenia NOS-unspec | 1 |
| 19 | 750 | Schizophrenia | 29620 | Depress psychosis-unspec | 1 |
| 19 | 750 | Schizophrenia | 29680 | Bipolar disorder NOS | 1 |
| 19 | 750 | Schizophrenia | V6284 | Suicidal ideation | 1 |
| 19 | 751 | Major depressive disorder | 29620 | Depress psychosis-unspec | 1 |
| 19 | 751 | Major depressive disorder | 29680 | Bipolar disorder NOS | 1 |
| 19 | 751 | Major depressive disorder | V6284 | Suicidal ideation | 1 |
| 19 | 752 | Dis personality/impulse contrl | V6284 | Suicidal ideation | 1 |
| 19 | 753 | Bipolar disorders | 25000 | DMII wo cmp nt st uncuntr | 2 |
| 19 | 753 | Bipolar disorders | 25001 | DMI wo cmp nt st uncuntr | 2 |
| 19 | 753 | Bipolar disorders | 29590 | Schizophrenia NOS-unspec | 1 |
| 19 | 753 | Bipolar disorders | 29620 | Depress psychosis-unspec | 1 |
| 19 | 753 | Bipolar disorders | V6284 | Suicidal ideation | 1 |
| 19 | 754 | Depression exc maj depressv dx | 25000 | DMII wo cmp nt st uncuntr | 2 |
| 19 | 754 | Depression exc maj depressv dx | 25001 | DMI wo cmp nt st uncuntr | 2 |

| MDC | DRG | DRG description | SDX | SDX description | Final Step 5 SOI changes |
|------------|------------|--------------------------------|------------|--------------------------|---------------------------------|
| 19 | 754 | Depression exc maj depressv dx | 29620 | Depress psychosis-unspec | 1 |
| 19 | 754 | Depression exc maj depressv dx | V6284 | Suicidal ideation | 1 |
| 19 | 755 | Adjust dis exc depressive dx | V6284 | Suicidal ideation | 1 |
| 19 | 756 | Acute anxiety & delirium | V6284 | Suicidal ideation | 1 |
| 19 | 757 | Organic mental health dis | V6284 | Suicidal ideation | 1 |
| 19 | 758 | Childhood behavioral dis | 29690 | Episodic mood disord NOS | 2 |
| 19 | 758 | Childhood behavioral dis | 29699 | Episodic mood disord NEC | 2 |
| 19 | 758 | Childhood behavioral dis | 2989 | Psychosis NOS | 2 |
| 19 | 758 | Childhood behavioral dis | V6284 | Suicidal ideation | 1 |
| 19 | 760 | Oth mental health disorder | V6284 | Suicidal ideation | 1 |
| 21 | 816 | Toxic effects non-medc subst | V6284 | Suicidal ideation | 1 |
| 23 | 860 | Rehabilitation | 4928 | Emphysema NEC | 1 |
| 23 | 860 | Rehabilitation | 49320 | Chronic obst asthma NOS | 1 |
| 23 | 860 | Rehabilitation | 496 | Chr airway obstruct NEC | 1 |
| 23 | 861 | Signs/symptoms/oth factors | 4928 | Emphysema NEC | 1 |
| 23 | 861 | Signs/symptoms/oth factors | 49320 | Chronic obst asthma NOS | 1 |
| 23 | 861 | Signs/symptoms/oth factors | 496 | Chr airway obstruct NEC | 1 |

Step 7: Secondary Diagnosis Group Assignment

The following diagnosis was removed from group 568.

| Group | Group description | SDX | SDX description |
|--------------|--------------------------|------------|------------------------|
| 568 | Pneumonia NOS | 99739 | Resp Comp NEC |

Step 13: DRG/OR Proc Modification

The following APR DRG/procedure combinations were removed from the Step 13 logic for APR DRG v30.

| DRG | Proc | Value |
|-----|------|-------|
| 169 | 3921 | 1/3 |
| 447 | 640 | -1/3 |

The following APR DRG/procedure combinations were added to the Step 13 logic for APR DRG v30.

| DRG | Proc | Value |
|-----|------|-------|
| 174 | 3505 | 2/4 |
| 175 | 3505 | 2/4 |

Step 16: DRG/PDX/NON-OR Proc Modification

The following were added to the Step 16 logic.

| DRG | PDX | Description | Proc | Description | Increment/max |
|-----|------|--------------------------|------|-------------------------|---------------|
| 661 | 2860 | Cong factor viii diord | 9906 | Coag factor transfusion | 1/4 |
| 661 | 2861 | Cong factor IX disorder | 9906 | Coag factor transfusion | 1/4 |
| 661 | 2862 | Cong factor xi disorder | 9906 | Coag factor transfusion | 1/4 |
| 661 | 2863 | Cong def clot factor NEC | 9906 | Coag factor transfusion | 1/4 |
| 661 | 2864 | Von willebrand's disease | 9906 | Coag factor transfusion | 1/4 |

ROM step changes

This release includes changes to the following ROM steps.

Step 2: SDX Default

The following secondary diagnoses were changed for Step 2.

| SDX | Description | ROM v30 |
|-------|--------------------------|---------|
| 0389 | Septicemia NOS | 3 |
| 2761 | Hyposmolality | 1 |
| 3481 | Anoxic brain damage | 3 |
| 40390 | Hy kid NOS w cr kid I-IV | 1 |
| 412 | Old myocardial infarct | 1 |
| 4148 | Chr ischemic hrt dis NEC | 1 |
| 4414 | Abdom aortic aneurysm | 1 |
| 4419 | Aortic aneurysm NOS | 1 |
| 4928 | Emphysema NEC | 1 |
| 5679 | Peritonitis NOS | 2 |
| 5849 | Acute kidney failure NOS | 3 |
| 5855 | Chron kidney dis stage V | 2 |
| 5856 | End stage renal disease | 2 |
| 76873 | Sev hypox-ischem enceph | 3 |
| 77081 | Primary apnea of newborn | 1 |
| 77082 | Other apnea of newborn | 1 |
| 77083 | Cyanotic attack, newborn | 1 |
| 77213 | NB intravn hem,grade III | 3 |
| 77753 | Stg III nec enterocol NB | 4 |

Step 3: SDX/Age Exception

The following exceptions were changed for Step 3.

| SDX | Description | Age group | Age group description | v30 Step 3 changes |
|------------|--------------------------|------------------|------------------------------|---------------------------|
| 0389 | Septicemia NOS | A | 0-28 days | Deleted |
| 0389 | Septicemia NOS | B | 0 years | Deleted |
| 0389 | Septicemia NOS | C | 1-3 years | Deleted |
| 0389 | Septicemia NOS | D | 4-17 yrs | Deleted |
| 2761 | Hyposmolality | A | 0-28 days | Deleted |
| 2761 | Hyposmolality | B | 0 years | Deleted |
| 2761 | Hyposmolality | C | 1-3 years | Deleted |
| 2761 | Hyposmolality | D | 4-17 yrs | Deleted |
| 3481 | Anoxic brain damage | A | 0-28 days | Deleted |
| 3481 | Anoxic brain damage | B | 0 years | Deleted |
| 3481 | Anoxic brain damage | C | 1-3 years | Deleted |
| 3481 | Anoxic brain damage | D | 4-17 yrs | Deleted |
| 40390 | Hy kid NOS w cr kid I-IV | A | 0-28 days | Deleted |
| 40390 | Hy kid NOS w cr kid I-IV | B | 0 years | Deleted |
| 40390 | Hy kid NOS w cr kid I-IV | C | 1-3 years | Deleted |
| 40390 | Hy kid NOS w cr kid I-IV | D | 4-17 yrs | Deleted |
| 4928 | Emphysema NEC | A | 0-28 days | Deleted |
| 4928 | Emphysema NEC | B | 0 years | Deleted |
| 4928 | Emphysema NEC | C | 1-3 years | Deleted |
| 4928 | Emphysema NEC | D | 4-17 yrs | Deleted |
| 5679 | Peritonitis NOS | B | 0 years | Deleted |
| 5679 | Peritonitis NOS | C | 1-3 years | Deleted |
| 5679 | Peritonitis NOS | D | 4-17 yrs | Deleted |
| 5679 | Peritonitis NOS | H | 70-74 yrs | 3 |
| 5679 | Peritonitis NOS | I | 75-79 yrs | 3 |
| 5679 | Peritonitis NOS | J | 80-84 yrs | 3 |
| 5679 | Peritonitis NOS | K | 85+ yrs | 3 |

| SDX | Description | Age group | Age group description | v30 Step 3 changes |
|------------|--------------------------|------------------|------------------------------|---------------------------|
| 5849 | Acute kidney failure NOS | E | 18-54 yrs | 2 |
| 5849 | Acute kidney failure NOS | F | 55-64 yrs | 2 |
| 5855 | Chron kidney dis stage V | E | 18-54 yrs | Deleted |
| 5855 | Chron kidney dis stage V | F | 55-64 yrs | Deleted |
| 5856 | End stage renal disease | E | 18-54 yrs | Deleted |
| 5856 | End stage renal disease | F | 55-64 yrs | Deleted |

Step 5: SDX/DRG Exception

The following exceptions were changed for Step 5.

| MDC | DRG | DRG description | SDX | SDX description | Final Step 5 ROM changes |
|------------|------------|-----------------------------|------------|--------------------------|---------------------------------|
| 01 | 053 | Seizure | 2761 | Hyposmolality | Deleted |
| 02 | 073 | Eye procedures except orbit | 2761 | Hyposmolality | Deleted |
| 02 | 073 | Eye procedures except orbit | 40390 | Hy kid NOS w cr kid I-IV | Deleted |
| 02 | 073 | Eye procedures except orbit | 412 | Old myocardial infarct | Deleted |
| 02 | 073 | Eye procedures except orbit | 4414 | Abdom aortic aneurysm | Deleted |
| 02 | 073 | Eye procedures except orbit | 4419 | Aortic aneurysm NOS | Deleted |
| 02 | 073 | Eye procedures except orbit | 4928 | Emphysema NEC | Deleted |
| 02 | 073 | Eye procedures except orbit | 586 | Renal failure NOS | Deleted |
| 03 | 095 | Cleft lip & palate repair | 2761 | Hyposmolality | Deleted |
| 03 | 095 | Cleft lip & palate repair | 40390 | Hy kid NOS w cr kid I-IV | Deleted |
| 03 | 095 | Cleft lip & palate repair | 412 | Old myocardial infarct | Deleted |
| 03 | 095 | Cleft lip & palate repair | 4414 | Abdom aortic aneurysm | Deleted |
| 03 | 095 | Cleft lip & palate repair | 4419 | Aortic aneurysm NOS | Deleted |
| 03 | 095 | Cleft lip & palate repair | 4928 | Emphysema NEC | Deleted |
| 03 | 095 | Cleft lip & palate repair | 586 | Renal failure NOS | Deleted |

| MDC | DRG | DRG description | SDX | SDX description | Final Step 5 ROM changes |
|------------|------------|--------------------------------|------------|--------------------------|---------------------------------|
| 03 | 097 | Tonsil & adenoid proc | 2761 | Hyposmolality | Deleted |
| 03 | 097 | Tonsil & adenoid proc | 40390 | Hy kid NOS w cr kid I-IV | Deleted |
| 03 | 097 | Tonsil & adenoid proc | 412 | Old myocardial infarct | Deleted |
| 03 | 097 | Tonsil & adenoid proc | 4414 | Abdom aortic aneurysm | Deleted |
| 03 | 097 | Tonsil & adenoid proc | 4419 | Aortic aneurysm NOS | Deleted |
| 03 | 097 | Tonsil & adenoid proc | 4928 | Emphysema NEC | Deleted |
| 03 | 097 | Tonsil & adenoid proc | 586 | Renal failure NOS | Deleted |
| 03 | 114 | Dental & oral disease & injury | 2761 | Hyposmolality | Deleted |
| 03 | 114 | Dental & oral disease & injury | 40390 | Hy kid NOS w cr kid I-IV | Deleted |
| 03 | 114 | Dental & oral disease & injury | 412 | Old myocardial infarct | Deleted |
| 03 | 114 | Dental & oral disease & injury | 4414 | Abdom aortic aneurysm | Deleted |
| 03 | 114 | Dental & oral disease & injury | 4419 | Aortic aneurysm NOS | Deleted |
| 03 | 114 | Dental & oral disease & injury | 4928 | Emphysema NEC | Deleted |
| 03 | 114 | Dental & oral disease & injury | 586 | Renal failure NOS | Deleted |
| 05 | 174 | Percut cardiovasc proc w/AMI | 412 | Old myocardial infarct | Deleted |
| 05 | 175 | Percut cardiovasc wo AMI | 412 | Old myocardial infarct | Deleted |
| 05 | 190 | Acute myocardial infarct | 2761 | Hyposmolality | 2 |
| 05 | 203 | Chest pain | 412 | Old myocardial infarct | Deleted |
| 06 | 227 | Hernia proc exc inguin/fem/umb | 2761 | Hyposmolality | Deleted |
| 06 | 227 | Hernia proc exc inguin/fem/umb | 40390 | Hy kid NOS w cr kid I-IV | Deleted |
| 06 | 227 | Hernia proc exc inguin/fem/umb | 412 | Old myocardial infarct | Deleted |
| 06 | 227 | Hernia proc exc inguin/fem/umb | 4414 | Abdom aortic aneurysm | Deleted |
| 06 | 227 | Hernia proc exc inguin/fem/umb | 4419 | Aortic aneurysm NOS | Deleted |
| 06 | 227 | Hernia proc exc inguin/fem/umb | 4928 | Emphysema NEC | Deleted |
| 06 | 227 | Hernia proc exc inguin/fem/umb | 586 | Renal failure NOS | Deleted |

| MDC | DRG | DRG description | SDX | SDX description | Final Step 5 ROM changes |
|------------|------------|------------------------------|------------|--------------------------|---------------------------------|
| 06 | 228 | Ing, fem & umbil hernia proc | 2761 | Hyposmolality | Deleted |
| 06 | 228 | Ing, fem & umbil hernia proc | 40390 | Hy kid NOS w cr kid I-IV | Deleted |
| 06 | 228 | Ing, fem & umbil hernia proc | 412 | Old myocardial infarct | Deleted |
| 06 | 228 | Ing, fem & umbil hernia proc | 4414 | Abdom aortic aneurysm | Deleted |
| 06 | 228 | Ing, fem & umbil hernia proc | 4419 | Aortic aneurysm NOS | Deleted |
| 06 | 228 | Ing, fem & umbil hernia proc | 4928 | Emphysema NEC | Deleted |
| 06 | 228 | Ing, fem & umbil hernia proc | 586 | Renal failure NOS | Deleted |
| 09 | 363 | Breast proc exc mastectomy | 2761 | Hyposmolality | Deleted |
| 09 | 363 | Breast proc exc mastectomy | 40390 | Hy kid NOS w cr kid I-IV | Deleted |
| 09 | 363 | Breast proc exc mastectomy | 412 | Old myocardial infarct | Deleted |
| 09 | 363 | Breast proc exc mastectomy | 4414 | Abdom aortic aneurysm | Deleted |
| 09 | 363 | Breast proc exc mastectomy | 4419 | Aortic aneurysm NOS | Deleted |
| 09 | 363 | Breast proc exc mastectomy | 4928 | Emphysema NEC | Deleted |
| 09 | 363 | Breast proc exc mastectomy | 586 | Renal failure NOS | Deleted |
| 11 | 445 | Other bladder proc | 2761 | Hyposmolality | Deleted |
| 11 | 445 | Other bladder proc | 40390 | Hy kid NOS w cr kid I-IV | Deleted |
| 11 | 445 | Other bladder proc | 412 | Old myocardial infarct | Deleted |
| 11 | 445 | Other bladder proc | 4414 | Abdom aortic aneurysm | Deleted |
| 11 | 445 | Other bladder proc | 4419 | Aortic aneurysm NOS | Deleted |
| 11 | 445 | Other bladder proc | 4928 | Emphysema NEC | Deleted |
| 11 | 445 | Other bladder proc | 586 | Renal failure NOS | Deleted |
| 11 | 446 | Urethral & transureth proc | 2761 | Hyposmolality | Deleted |
| 11 | 446 | Urethral & transureth proc | 40390 | Hy kid NOS w cr kid I-IV | Deleted |
| 11 | 446 | Urethral & transureth proc | 412 | Old myocardial infarct | Deleted |
| 11 | 446 | Urethral & transureth proc | 4414 | Abdom aortic aneurysm | Deleted |
| 11 | 446 | Urethral & transureth proc | 4419 | Aortic aneurysm NOS | Deleted |
| 11 | 446 | Urethral & transureth proc | 4928 | Emphysema NEC | Deleted |
| 11 | 446 | Urethral & transureth proc | 586 | Renal failure NOS | Deleted |
| 12 | 483 | Testes & scrotal proc | 2761 | Hyposmolality | Deleted |
| 12 | 483 | Testes & scrotal proc | 40390 | Hy kid NOS w cr kid I-IV | Deleted |

| MDC | DRG | DRG description | SDX | SDX description | Final Step 5 ROM changes |
|------------|------------|--------------------------------|------------|--------------------------|---------------------------------|
| 12 | 483 | Testes & scrotal proc | 412 | Old myocardial infarct | Deleted |
| 12 | 483 | Testes & scrotal proc | 4414 | Abdom aortic aneurysm | Deleted |
| 12 | 483 | Testes & scrotal proc | 4419 | Aortic aneurysm NOS | Deleted |
| 12 | 483 | Testes & scrotal proc | 4928 | Emphysema NEC | Deleted |
| 12 | 483 | Testes & scrotal proc | 586 | Renal failure NOS | Deleted |
| 13 | 517 | Dilation & curet for non-OB dx | 2761 | Hyposmolality | Deleted |
| 13 | 517 | Dilation & curet for non-OB dx | 40390 | Hy kid NOS w cr kid I-IV | Deleted |
| 13 | 517 | Dilation & curet for non-OB dx | 412 | Old myocardial infarct | Deleted |
| 13 | 517 | Dilation & curet for non-OB dx | 4414 | Abdom aortic aneurysm | Deleted |
| 13 | 517 | Dilation & curet for non-OB dx | 4419 | Aortic aneurysm NOS | Deleted |
| 13 | 517 | Dilation & curet for non-OB dx | 4928 | Emphysema NEC | Deleted |
| 13 | 517 | Dilation & curet for non-OB dx | 586 | Renal failure NOS | Deleted |
| 15 | 591 | Neo bw 500-749g wo maj proc | 77081 | Primary apnea of newborn | Deleted |
| 15 | 591 | Neo bw 500-749g wo maj proc | 77082 | Other apnea of newborn | Deleted |
| 15 | 593 | Neo bw 750-999g wo maj proc | 77081 | Primary apnea of newborn | Deleted |
| 15 | 593 | Neo bw 750-999g wo maj proc | 77082 | Other apnea of newborn | Deleted |

Step 7: Secondary Diagnosis Group Assignment

The following diagnosis was removed from group 568.

| Group | Group description | SDX | SDX description |
|--------------|--------------------------|------------|------------------------|
| 568 | Pneumonia NOS | 99739 | Resp Comp NEC |

Step 9: Secondary Diagnosis Demotion Definitions

The following diagnoses were added or deleted from the list.

| List | DX | Description | Action |
|------|-------|--------------------------------|---------|
| A | 3484 | Compression of brain | Deleted |
| A 15 | 4275 | Cardiac arrest | Added |
| A 15 | 3484 | Compression of brain | Deleted |
| A 15 | 76521 | Gestational age <24 weeks | Deleted |
| B | 77214 | NB Intraventr Hemorrh Grade IV | Added |
| B | 5855 | Chr kidney dis stage V | Deleted |
| B | 5856 | End stage renal disease | Deleted |
| E | 99685 | Complic bone marrow transplant | Added |
| E | 99687 | Complic intestinal transplant | Added |