Episodes of Care Risk Adjustment

Episode Types

Wave 1
- Asthma Acute Exacerbation
- Perinatal
- Total Joint Replacement

Wave 2
- Acute Percutaneous Coronary Intervention
- COPD Acute Exacerbation
- Non-acute Percutaneous Coronary Intervention
- Outpatient and Non-acute Inpatient
- Cholecystectomy
- Screening and Surveillance Colonoscopy

Wave 3
- Esophagogastroduodenoscopy
- Gastrointestinal Hemorrhage
- Inpatient Urinary Tract Infection
- Outpatient Urinary Tract Infection
- Pneumonia
- Respiratory Infection

Wave 4
- Attention Deficit and Hyperactivity Disorder
- Bariatric Surgery
- Congestive Heart Failure Acute Exacerbation
- Coronary Artery Bypass Graft
- Heart Valve Replacement or Repair
- Oppositional Defiant Disorder

Wave 5
- Breast Biopsy
- Otitis Media

Wave 6
- Tonsillectomy

Wave 7
- Acute Diabetes Exacerbation
- HIV Infection
- Pancreatitis
- Skin and Soft Tissue Infections

Wave 8
- Back/Neck Pain
- Femur/Pelvis Fracture
- Knee Arthroscopy
- Non-operative Ankle Injury
- Non-operative Knee Injury
- Non-operative Shoulder Injury
- Non-operative Wrist Injury
- Spinal Decompression without Fusion
- Spinal Fusion

Appendix
## Factors and Weights

### Acute Diabetes Exacerbation

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### Acute Seizure

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### Attention Deficit and Hyperactivity Disorder

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<td>Lower gastrointestinal disorders</td>
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<tr>
<td>13.8</td>
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<td>13.9</td>
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<td>Nervous system congenital anomalies</td>
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<td>Other congenital anomalies</td>
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<td>Complications</td>
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<td>16.12</td>
<td>Other injuries and conditions due to external causes</td>
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### Bariatric Surgery

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### Breast Biopsy

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<td>5.14</td>
<td>Screening and history of mental health and substance abuse codes</td>
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<tr>
<td>11.1</td>
<td>Contraceptive and procreative management</td>
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### Bronchiolitis

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<td></td>
<td>Male</td>
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<td>1.1</td>
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<td>Pleurisy; pneumothorax; pulmonary collapse</td>
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<td>Birth trauma</td>
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### Colposcopy

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<td>Viral infection</td>
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<td>Benign neoplasms</td>
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<td>Coagulation and hemorrhagic disorders</td>
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<td>Asthma</td>
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<td>9.4</td>
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</tr>
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<td>Contraceptive and procreative management</td>
<td>0.041</td>
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<td>14</td>
<td>Congenital anomalies</td>
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<td>Complications</td>
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### Congestive Heart Failure Acute Exacerbation

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<tr>
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<td>Male</td>
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<tr>
<td>1</td>
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</tr>
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<td>14.1</td>
<td>Cardiac and circulatory congenital anomalies</td>
<td>0.556</td>
</tr>
<tr>
<td>15</td>
<td>Certain conditions originating in the perinatal period</td>
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<tr>
<td>4.1</td>
<td>Anemia</td>
<td>0.243</td>
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<tr>
<td>4.2</td>
<td>Coagulation and hemorrhagic disorders</td>
<td>0.304</td>
</tr>
<tr>
<td>7.2.2</td>
<td>Peri-; endo-; and myocarditis; cardiomyopathy (except that caused by TB or STD)</td>
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<tr>
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<td>Diseases of veins and lymphatics</td>
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<tr>
<td>9.8</td>
<td>Liver disease</td>
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### COPD Acute Exacerbation

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<td>10.1.2</td>
<td>Acute and unspecified renal failure</td>
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<td>16</td>
<td>Injury and poisoning</td>
<td>0.080</td>
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<tr>
<td>1.1</td>
<td>Bacterial infection</td>
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</tr>
<tr>
<td>2</td>
<td>Neoplasms</td>
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</tr>
<tr>
<td>3.11</td>
<td>Other nutritional; endocrine; and metabolic disorders</td>
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</tr>
<tr>
<td>3.2</td>
<td>Diabetes mellitus without complication</td>
<td>0.080</td>
</tr>
<tr>
<td>3.8</td>
<td>Fluid and electrolyte disorders</td>
<td>0.357</td>
</tr>
<tr>
<td>4</td>
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<td>0.184</td>
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<tr>
<td>4.2</td>
<td>Coagulation and hemorrhagic disorders</td>
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<td>Acute cerebrovascular disease</td>
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<tr>
<td>8.6</td>
<td>Respiratory failure; insufficiency; arrest (adult)</td>
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### Coronary Artery Bypass Graft

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<td>7.2.10</td>
<td>Cardiac arrest and ventricular fibrillation</td>
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</tr>
<tr>
<td>7.4</td>
<td>Diseases of arteries; arterioles; and capillaries</td>
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### Esophagogastroduodenoscopy

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<td>Male</td>
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<td>Line of Business – Self-Insured</td>
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<tr>
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<td>Line of Business – State</td>
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<tr>
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<td>Lower gastrointestinal disorders</td>
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### Femur/Pelvis Fracture

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<tr>
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### Gastrointestinal Hemorrhage

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### Gastrointestinal Obstruction

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<td>2.2</td>
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</tr>
<tr>
<td>2.16</td>
<td>Benign neoplasms</td>
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</tr>
<tr>
<td>3.3</td>
<td>Diabetes mellitus with complications</td>
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</tr>
<tr>
<td>3.5</td>
<td>Nutritional deficiencies</td>
<td>0.077</td>
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<td>3.8</td>
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<tr>
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<td>Bacterial infection</td>
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<td>Other gastrointestinal cancer</td>
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<tr>
<td>2.16</td>
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<td>3.3</td>
<td>Diabetes mellitus with complications</td>
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<td>Nutritional deficiencies</td>
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<td>3.8</td>
<td>Fluid and electrolyte disorders</td>
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</tr>
<tr>
<td>3.11</td>
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### Heart Valve Replacement or Repair

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<td>1.4</td>
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<td>Colorectal cancer</td>
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<td>Cancer of male genital organs</td>
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<td>Cancer of urinary organs</td>
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<td>3.3</td>
<td>Diabetes mellitus with complications</td>
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<td>3.8</td>
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</tr>
<tr>
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### Hernia Repair

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<td>1.4</td>
<td>Other infections; including parasitic</td>
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<td>2.1</td>
<td>Colorectal cancer</td>
<td>0.307</td>
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<tr>
<td>2.6</td>
<td>Cancer of uterus and cervix</td>
<td>0.173</td>
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<tr>
<td>2.8</td>
<td>Cancer of male genital organs</td>
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<tr>
<td>2.9</td>
<td>Cancer of urinary organs</td>
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<tr>
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<td>Secondary malignancies</td>
<td>0.282</td>
</tr>
<tr>
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<td>Diabetes mellitus with complications</td>
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<tr>
<td>3.8</td>
<td>Fluid and electrolyte disorders</td>
<td>0.273</td>
</tr>
<tr>
<td>3.11</td>
<td>Other nutritional; endocrine; and metabolic disorders</td>
<td>0.089</td>
</tr>
<tr>
<td>4.1</td>
<td>Anemia</td>
<td>0.130</td>
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<tr>
<td>4.3</td>
<td>Diseases of white blood cells</td>
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### HIV Infection

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<td>Anemia</td>
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### Inpatient Urinary Tract Infection

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### Knee Arthroscopy

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### Non-acute Percutaneous Coronary Intervention

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### Non-operative Ankle Injury

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<tr>
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<td>6.3</td>
<td>Paralysis</td>
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<td>Other nervous system disorders</td>
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### Non-operative Knee Injury

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### Non-operative Shoulder Injury

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### Non-operative Wrist Injury

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<tr>
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### Otitis Media

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<td>3.8</td>
<td>Fluid and electrolyte disorders</td>
<td>0.237</td>
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<td>4.3</td>
<td>Diseases of white blood cells</td>
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<td>Asthma</td>
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### Outpatient and Non-acute Inpatient Cholecystectomy

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### Outpatient Urinary Tract Infection

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### Pancreatitis

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<td>Pleurisy; pneumothorax; pulmonary collapse</td>
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<td>9.7</td>
<td>Biliary tract disease</td>
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<td>14.2</td>
<td>Digestive congenital anomalies</td>
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### Pediatric Pneumonia

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### Perinatal

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<td>3.9</td>
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### Pneumonia

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### Respiratory Infection

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### Screening and Surveillance Colonoscopy

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### Skin and Soft Tissue Infections

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2.15 Maintenance chemotherapy; radiotherapy  
2.2 Other gastrointestinal cancer  
2.3 Cancer of bronchus; lung  
3.10 Immunity disorders  
3.11 Other nutritional; endocrine; and metabolic disorders  
3.8 Fluid and electrolyte disorders  
3.9 Cystic fibrosis  
4.1 Anemia  
4.2 Coagulation and hemorrhagic disorders  
4.3 Diseases of white blood cells  
5.12 Substance-related disorders  
5.8 Mood disorders  
6.1 Central nervous system infection  
6.3 Paralysis  
6.9 Other nervous system disorders  
7.1 Hypertension  
7.2 Diseases of the heart  
7.4 Diseases of arteries; arterioles; and capillaries  
7.5 Diseases of veins and lymphatics  
8.5 Pleurisy; pneumothorax; pulmonary collapse  
9.3 Diseases of mouth; excluding dental  
9.6 Lower gastrointestinal disorders  
9.8 Liver disease  
9.9 Pancreatic disorders (not diabetes)  
11.3 Complications mainly related to pregnancy  
11.7 Normal pregnancy and/or delivery  
12.1 Skin and subcutaneous tissue infections  
12.2 Other inflammatory condition of skin  
12.3 Chronic ulcer of skin  
12.4 Other skin disorders  
13.1 Infective arthritis and osteomyelitis (except that caused by TB or STD)  
13.2 Non-traumatic joint disorders  
13.8 Other connective tissue disease  
16.1 Joint disorders and dislocations; trauma-related  
16.12 Other injuries and conditions due to external causes  
16.3 Spinal cord injury  
16.6 Open wounds  
16.8 Superficial injury; contusion  
16.9 Burns  

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Spinal Decompression Without Fusion

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### Spinal Fusion

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### Syncope Work-up

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### Tonsillectomy

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### Total Joint Replacement

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Appendix

Developed at the Agency for Healthcare Research and Quality (AHRQ), the Clinical Classifications Software (CCS) is a hierarchical tool for clustering patient diagnoses into a manageable number of clinically meaningful categories. These categories map directly to ICD-9 and ICD-10 codes. Because the clinical classification is hierarchical, each level of factors includes the clinical categories lower in the hierarchy.

More information including an overview, complete mapping, and technical specifications for the CCS tool can be found at the following link: Clinical Classifications Software (CCS) for ICD-10-CM/PCS.