

# ICD-10 Procedure Coding System (ICD-10-PCS) 2017 Tables Addenda

ICD-10-PCS Tables that have changed this year are shown in table format in the pages below. Click on a bookmark to go to a specific table.

Each table shown in the addenda replaces the table from the previous year.

021

No change	<b>Section 0</b> Medical and Surgical			
	<b>Body System 2</b> Heart and Great Vessels			
	<b>Operation 1</b> Bypass: Altering the route of passage of the contents of a tubular body part			
Heading	<b>Body Part</b>	<b>Approach</b>	<b>Device</b>	<b>Qualifier</b>
FY2017	<b>0</b> Coronary Artery, One Artery <b>1</b> Coronary Artery, Two Arteries <b>2</b> Coronary Artery, Three Arteries <b>3</b> Coronary Artery, Four or More Arteries	<b>0</b> Open	<b>8</b> Zooplastic Tissue <b>9</b> Autologous Venous Tissue <b>A</b> Autologous Arterial Tissue <b>J</b> Synthetic Substitute <b>K</b> Nonautologous Tissue Substitute	<b>3</b> Coronary Artery <b>8</b> Internal Mammary, Right <b>9</b> Internal Mammary, Left <b>C</b> Thoracic Artery <b>F</b> Abdominal Artery <b>W</b> Aorta
Revise from	<b>0</b> Coronary Artery, One Site <b>1</b> Coronary Artery, Two Sites <b>2</b> Coronary Artery, Three Sites <b>3</b> Coronary Artery, Four or More Sites	<b>0</b> Open	<b>Z</b> No Device	<b>3</b> Coronary Artery <b>8</b> Internal Mammary, Right <b>9</b> Internal Mammary, Left <b>C</b> Thoracic Artery <b>F</b> Abdominal Artery
Revise to	<b>0</b> Coronary Artery, One Artery <b>1</b> Coronary Artery, Two Arteries <b>2</b> Coronary Artery, Three Arteries <b>3</b> Coronary Artery, Four or More Arteries	<b>0</b> Open	<b>Z</b> No Device	<b>3</b> Coronary Artery <b>8</b> Internal Mammary, Right <b>9</b> Internal Mammary, Left <b>C</b> Thoracic Artery <b>F</b> Abdominal Artery
Revise from	<b>0</b> Coronary Artery, One Site <b>1</b> Coronary Artery, Two Sites <b>2</b> Coronary Artery, Three Sites <b>3</b> Coronary Artery, Four or More Sites	<b>3</b> Percutaneous	<b>4</b> Intraluminal Device, Drug-eluting <b>D</b> Intraluminal Device	<b>4</b> Coronary Vein
Revise to	<b>0</b> Coronary Artery, One Artery <b>1</b> Coronary Artery, Two Arteries <b>2</b> Coronary Artery, Three Arteries <b>3</b> Coronary Artery, Four or More Arteries	<b>3</b> Percutaneous	<b>4</b> Intraluminal Device, Drug-eluting <b>D</b> Intraluminal Device	<b>4</b> Coronary Vein
Revise from	<b>0</b> Coronary Artery, One Site <b>1</b> Coronary Artery, Two Sites <b>2</b> Coronary Artery, Three Sites <b>3</b> Coronary Artery, Four or More Sites	<b>4</b> Percutaneous Endoscopic	<b>4</b> Intraluminal Device, Drug-eluting <b>D</b> Intraluminal Device	<b>4</b> Coronary Vein
Revise to	<b>0</b> Coronary Artery, One Artery <b>1</b> Coronary Artery, Two Arteries <b>2</b> Coronary Artery, Three Arteries <b>3</b> Coronary Artery, Four or More Arteries	<b>4</b> Percutaneous Endoscopic	<b>4</b> Intraluminal Device, Drug-eluting <b>D</b> Intraluminal Device	<b>4</b> Coronary Vein

FY2017	<b>0</b> Coronary Artery, One Artery <b>1</b> Coronary Artery, Two Arteries <b>2</b> Coronary Artery, Three Arteries <b>3</b> Coronary Artery, Four or More Arteries	<b>4</b> Percutaneous Endoscopic	<b>8</b> Zooplasic Tissue <b>9</b> Autologous Venous Tissue <b>A</b> Autologous Arterial Tissue <b>J</b> Synthetic Substitute <b>K</b> Nonautologous Tissue Substitute	<b>3</b> Coronary Artery <b>8</b> Internal Mammary, Right <b>9</b> Internal Mammary, Left <b>C</b> Thoracic Artery <b>F</b> Abdominal Artery <b>W</b> Aorta
Revise from	<b>0</b> Coronary Artery, One Site <b>1</b> Coronary Artery, Two Sites <b>2</b> Coronary Artery, Three Sites <b>3</b> Coronary Artery, Four or More Sites	<b>4</b> Percutaneous Endoscopic	<b>Z</b> No Device	<b>3</b> Coronary Artery <b>8</b> Internal Mammary, Right <b>9</b> Internal Mammary, Left <b>C</b> Thoracic Artery <b>F</b> Abdominal Artery
Revise to	<b>0</b> Coronary Artery, One Artery <b>1</b> Coronary Artery, Two Arteries <b>2</b> Coronary Artery, Three Arteries <b>3</b> Coronary Artery, Four or More Arteries	<b>4</b> Percutaneous Endoscopic	<b>Z</b> No Device	<b>3</b> Coronary Artery <b>8</b> Internal Mammary, Right <b>9</b> Internal Mammary, Left <b>C</b> Thoracic Artery <b>F</b> Abdominal Artery
FY2017	<b>6</b> Atrium, Right	<b>0</b> Open <b>4</b> Percutaneous Endoscopic	<b>8</b> Zooplasic Tissue <b>9</b> Autologous Venous Tissue <b>A</b> Autologous Arterial Tissue <b>J</b> Synthetic Substitute <b>K</b> Nonautologous Tissue Substitute	<b>P</b> Pulmonary Trunk <b>Q</b> Pulmonary Artery, Right <b>R</b> Pulmonary Artery, Left
No change	<b>6</b> Atrium, Right	<b>0</b> Open <b>4</b> Percutaneous Endoscopic	<b>Z</b> No Device	<b>7</b> Atrium, Left <b>P</b> Pulmonary Trunk <b>Q</b> Pulmonary Artery, Right <b>R</b> Pulmonary Artery, Left
FY2017	<b>7</b> Atrium, Left <b>V</b> Superior Vena Cava	<b>0</b> Open <b>4</b> Percutaneous Endoscopic	<b>8</b> Zooplasic Tissue <b>9</b> Autologous Venous Tissue <b>A</b> Autologous Arterial Tissue <b>J</b> Synthetic Substitute <b>K</b> Nonautologous Tissue Substitute <b>Z</b> No Device	<b>P</b> Pulmonary Trunk <b>Q</b> Pulmonary Artery, Right <b>R</b> Pulmonary Artery, Left <b>S</b> Pulmonary Vein, Right <b>T</b> Pulmonary Vein, Left <b>U</b> Pulmonary Vein, Confluence
FY2017	<b>K</b> Ventricle, Right <b>L</b> Ventricle, Left	<b>0</b> Open <b>4</b> Percutaneous Endoscopic	<b>8</b> Zooplasic Tissue <b>9</b> Autologous Venous Tissue <b>A</b> Autologous Arterial Tissue <b>J</b> Synthetic Substitute <b>K</b> Nonautologous Tissue Substitute	<b>P</b> Pulmonary Trunk <b>Q</b> Pulmonary Artery, Right <b>R</b> Pulmonary Artery, Left
No change	<b>K</b> Ventricle, Right <b>L</b> Ventricle, Left	<b>0</b> Open <b>4</b> Percutaneous Endoscopic	<b>Z</b> No Device	<b>5</b> Coronary Circulation <b>8</b> Internal Mammary, Right <b>9</b> Internal Mammary, Left <b>C</b> Thoracic Artery <b>F</b> Abdominal Artery <b>P</b> Pulmonary Trunk <b>Q</b> Pulmonary Artery, Right <b>R</b> Pulmonary Artery, Left <b>W</b> Aorta
FY2017	<b>P</b> Pulmonary Trunk <b>Q</b> Pulmonary Artery, Right <b>R</b> Pulmonary Artery, Left	<b>0</b> Open <b>4</b> Percutaneous Endoscopic	<b>8</b> Zooplasic Tissue <b>9</b> Autologous Venous Tissue <b>A</b> Autologous Arterial Tissue <b>J</b> Synthetic Substitute <b>K</b> Nonautologous Tissue Substitute <b>Z</b> No Device	<b>A</b> Innominate Artery <b>B</b> Subclavian <b>D</b> Carotid

FY2017

<b>W</b> Thoracic Aorta, Descending <b>X</b> Thoracic Aorta, Ascending/Arch	<b>0</b> Open <b>4</b> Percutaneous Endoscopic	<b>8</b> Zooplastic Tissue <b>9</b> Autologous Venous Tissue <b>A</b> Autologous Arterial Tissue <b>J</b> Synthetic Substitute <b>K</b> Nonautologous Tissue Substitute <b>Z</b> No Device	<b>B</b> Subclavian <b>D</b> Carotid <b>P</b> Pulmonary Trunk <b>Q</b> Pulmonary Artery, Right <b>R</b> Pulmonary Artery, Left
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## 024

FY2017	<i>Section</i>	<b>0</b>	Medical and Surgical	
	<i>Body System</i>	<b>2</b>	Heart and Great Vessels	
	<i>Operation</i>	<b>4</b>	Creation: Putting in or on biological or synthetic material to form a new body part that to the extent possible replicates the anatomic structure or function of an absent body part	
Heading	<i>Body Part</i>	<i>Approach</i>	<i>Device</i>	<i>Qualifier</i>
FY2017	<b>F</b> Aortic Valve	<b>0</b> Open	<b>7</b> Autologous Tissue Substitute <b>8</b> Zooplastic Tissue <b>J</b> Synthetic Substitute <b>K</b> Nonautologous Tissue Substitute	<b>J</b> Truncal Valve
FY2017	<b>G</b> Mitral Valve <b>J</b> Tricuspid Valve	<b>0</b> Open	<b>7</b> Autologous Tissue Substitute <b>8</b> Zooplastic Tissue <b>J</b> Synthetic Substitute <b>K</b> Nonautologous Tissue Substitute	<b>2</b> Common Atrioventricular Valve

025

No change	<i>Section</i>	<b>0</b>	Medical and Surgical	
	<i>Body System</i>	<b>2</b>	Heart and Great Vessels	
	<i>Operation</i>	<b>5</b>	Destruction: Physical eradication of all or a portion of a body part by the direct use of energy, force, or a destructive agent	
Heading	<i>Body Part</i>	<i>Approach</i>	<i>Device</i>	<i>Qualifier</i>
FY2017	<b>4</b> Coronary Vein <b>5</b> Atrial Septum <b>6</b> Atrium, Right <b>8</b> Conduction Mechanism <b>9</b> Chordae Tendineae <b>D</b> Papillary Muscle <b>F</b> Aortic Valve <b>G</b> Mitral Valve <b>H</b> Pulmonary Valve <b>J</b> Tricuspid Valve <b>K</b> Ventricle, Right <b>L</b> Ventricle, Left <b>M</b> Ventricular Septum <b>N</b> Pericardium <b>P</b> Pulmonary Trunk <b>Q</b> Pulmonary Artery, Right <b>R</b> Pulmonary Artery, Left <b>S</b> Pulmonary Vein, Right <b>T</b> Pulmonary Vein, Left <b>V</b> Superior Vena Cava <b>W</b> Thoracic Aorta, Descending <b>X</b> Thoracic Aorta, Ascending/Arch	<b>0</b> Open <b>3</b> Percutaneous <b>4</b> Percutaneous Endoscopic	<b>Z</b> No Device	<b>Z</b> No Qualifier
No change	<b>7</b> Atrium, Left	<b>0</b> Open <b>3</b> Percutaneous <b>4</b> Percutaneous Endoscopic	<b>Z</b> No Device	<b>K</b> Left Atrial Appendage <b>Z</b> No Qualifier

027

No change	<b>Section 0</b> Medical and Surgical			
	<b>Body System 2</b> Heart and Great Vessels			
	<b>Operation 7</b> Dilation: Expanding an orifice or the lumen of a tubular body part			
Heading	<b>Body Part</b>	<b>Approach</b>	<b>Device</b>	<b>Qualifier</b>
FY2017	<b>0</b> Coronary Artery, One Artery <b>1</b> Coronary Artery, Two Arteries <b>2</b> Coronary Artery, Three Arteries <b>3</b> Coronary Artery, Four or More Arteries	<b>0</b> Open <b>3</b> Percutaneous <b>4</b> Percutaneous Endoscopic	<b>4</b> Intraluminal Device, Drug-eluting <b>5</b> Intraluminal Device, Drug-eluting, Two <b>6</b> Intraluminal Device, Drug-eluting, Three <b>7</b> Intraluminal Device, Drug-eluting, Four or More <b>D</b> Intraluminal Device <b>E</b> Intraluminal Device, Two <b>F</b> Intraluminal Device, Three <b>G</b> Intraluminal Device, Four or More <b>T</b> Intraluminal Device, Radioactive <b>Z</b> No Device	<b>6</b> Bifurcation <b>Z</b> No Qualifier
FY2017	<b>F</b> Aortic Valve <b>G</b> Mitral Valve <b>H</b> Pulmonary Valve <b>J</b> Tricuspid Valve <b>K</b> Ventricle, Right <b>P</b> Pulmonary Trunk <b>Q</b> Pulmonary Artery, Right <b>S</b> Pulmonary Vein, Right <b>T</b> Pulmonary Vein, Left <b>V</b> Superior Vena Cava <b>W</b> Thoracic Aorta, Descending <b>X</b> Thoracic Aorta, Ascending/Arch	<b>0</b> Open <b>3</b> Percutaneous <b>4</b> Percutaneous Endoscopic	<b>4</b> Intraluminal Device, Drug-eluting <b>D</b> Intraluminal Device <b>Z</b> No Device	<b>Z</b> No Qualifier
No change	<b>R</b> Pulmonary Artery, Left	<b>0</b> Open <b>3</b> Percutaneous <b>4</b> Percutaneous Endoscopic	<b>4</b> Intraluminal Device, Drug-eluting <b>D</b> Intraluminal Device <b>Z</b> No Device	<b>T</b> Ductus Arteriosus <b>Z</b> No Qualifier

## 02B

No change	<b>Section</b> <b>0</b> Medical and Surgical			
	<b>Body System</b> <b>2</b> Heart and Great Vessels			
	<b>Operation</b> <b>B</b> Excision: Cutting out or off, without replacement, a portion of a body part			
Heading	<b>Body Part</b>	<b>Approach</b>	<b>Device</b>	<b>Qualifier</b>
FY2017	<b>4</b> Coronary Vein <b>5</b> Atrial Septum <b>6</b> Atrium, Right <b>8</b> Conduction Mechanism <b>9</b> Chordae Tendineae <b>D</b> Papillary Muscle <b>F</b> Aortic Valve <b>G</b> Mitral Valve <b>H</b> Pulmonary Valve <b>J</b> Tricuspid Valve <b>K</b> Ventricle, Right <b>L</b> Ventricle, Left <b>M</b> Ventricular Septum <b>N</b> Pericardium <b>P</b> Pulmonary Trunk <b>Q</b> Pulmonary Artery, Right <b>R</b> Pulmonary Artery, Left <b>S</b> Pulmonary Vein, Right <b>T</b> Pulmonary Vein, Left <b>V</b> Superior Vena Cava <b>W</b> Thoracic Aorta, Descending <b>X</b> Thoracic Aorta, Ascending/Arch	<b>0</b> Open <b>3</b> Percutaneous <b>4</b> Percutaneous Endoscopic	<b>Z</b> No Device	<b>X</b> Diagnostic <b>Z</b> No Qualifier
No change	<b>7</b> Atrium, Left	<b>0</b> Open <b>3</b> Percutaneous <b>4</b> Percutaneous Endoscopic	<b>Z</b> No Device	<b>K</b> Left Atrial Appendage <b>X</b> Diagnostic <b>Z</b> No Qualifier



## 02C

No change	<b>Section</b> <b>0</b> Medical and Surgical			
	<b>Body System</b> <b>2</b> Heart and Great Vessels			
	<b>Operation</b> <b>C</b> Extirpation: Taking or cutting out solid matter from a body part			
Heading	<b>Body Part</b>	<b>Approach</b>	<b>Device</b>	<b>Qualifier</b>
FY2017	<b>0</b> Coronary Artery, One Artery <b>1</b> Coronary Artery, Two Arteries <b>2</b> Coronary Artery, Three Arteries <b>3</b> Coronary Artery, Four or More Arteries	<b>0</b> Open <b>3</b> Percutaneous <b>4</b> Percutaneous Endoscopic	<b>Z</b> No Device	<b>6</b> Bifurcation <b>Z</b> No Qualifier
FY2017	<b>4</b> Coronary Vein <b>5</b> Atrial Septum <b>6</b> Atrium, Right <b>7</b> Atrium, Left <b>8</b> Conduction Mechanism <b>9</b> Chordae Tendineae <b>D</b> Papillary Muscle <b>F</b> Aortic Valve <b>G</b> Mitral Valve <b>H</b> Pulmonary Valve <b>J</b> Tricuspid Valve <b>K</b> Ventricle, Right <b>L</b> Ventricle, Left <b>M</b> Ventricular Septum <b>N</b> Pericardium <b>P</b> Pulmonary Trunk <b>Q</b> Pulmonary Artery, Right <b>R</b> Pulmonary Artery, Left <b>S</b> Pulmonary Vein, Right <b>T</b> Pulmonary Vein, Left <b>V</b> Superior Vena Cava <b>W</b> Thoracic Aorta, Descending <b>X</b> Thoracic Aorta, Ascending/Arch	<b>0</b> Open <b>3</b> Percutaneous <b>4</b> Percutaneous Endoscopic	<b>Z</b> No Device	<b>Z</b> No Qualifier

## 02H

No change	<b>Section</b> <b>0</b> Medical and Surgical			
	<b>Body System</b> <b>2</b> Heart and Great Vessels			
	<b>Operation</b> <b>H</b> Insertion: Putting in a nonbiological appliance that monitors, assists, performs, or prevents a physiological function but does not physically take the place of a body part			
Heading	<b>Body Part</b>	<b>Approach</b>	<b>Device</b>	<b>Qualifier</b>
FY2017	<b>4</b> Coronary Vein <b>6</b> Atrium, Right <b>7</b> Atrium, Left <b>K</b> Ventricle, Right <b>L</b> Ventricle, Left	<b>0</b> Open <b>3</b> Percutaneous <b>4</b> Percutaneous Endoscopic	<b>0</b> Monitoring Device, Pressure Sensor <b>2</b> Monitoring Device <b>3</b> Infusion Device <b>D</b> Intraluminal Device <b>J</b> Cardiac Lead, Pacemaker <b>K</b> Cardiac Lead, Defibrillator <b>M</b> Cardiac Lead <b>N</b> Intracardiac Pacemaker	<b>Z</b> No Qualifier
No change	<b>A</b> Heart	<b>0</b> Open <b>3</b> Percutaneous <b>4</b> Percutaneous Endoscopic	<b>Q</b> Implantable Heart Assist System	<b>Z</b> No Qualifier
No change	<b>A</b> Heart	<b>0</b> Open <b>3</b> Percutaneous <b>4</b> Percutaneous Endoscopic	<b>R</b> External Heart Assist System	<b>S</b> Biventricular <b>Z</b> No Qualifier
No change	<b>N</b> Pericardium	<b>0</b> Open <b>3</b> Percutaneous <b>4</b> Percutaneous Endoscopic	<b>0</b> Monitoring Device, Pressure Sensor <b>2</b> Monitoring Device <b>J</b> Cardiac Lead, Pacemaker <b>K</b> Cardiac Lead, Defibrillator <b>M</b> Cardiac Lead	<b>Z</b> No Qualifier
FY2017	<b>P</b> Pulmonary Trunk <b>Q</b> Pulmonary Artery, Right <b>R</b> Pulmonary Artery, Left <b>S</b> Pulmonary Vein, Right <b>T</b> Pulmonary Vein, Left <b>V</b> Superior Vena Cava <b>W</b> Thoracic Aorta, Descending <b>X</b> Thoracic Aorta, Ascending/Arch	<b>0</b> Open <b>3</b> Percutaneous <b>4</b> Percutaneous Endoscopic	<b>0</b> Monitoring Device, Pressure Sensor <b>2</b> Monitoring Device <b>3</b> Infusion Device <b>D</b> Intraluminal Device	<b>Z</b> No Qualifier

## 02L

No change	<i>Section</i> <b>0</b> Medical and Surgical			
	<i>Body System</i> <b>2</b> Heart and Great Vessels			
	<i>Operation</i> <b>L</b> Occlusion: Completely closing an orifice or the lumen of a tubular body part			
Heading	<i>Body Part</i>	<i>Approach</i>	<i>Device</i>	<i>Qualifier</i>
No change	<b>7</b> Atrium, Left	<b>0</b> Open <b>3</b> Percutaneous <b>4</b> Percutaneous Endoscopic	<b>C</b> Extraluminal Device <b>D</b> Intraluminal Device <b>Z</b> No Device	<b>K</b> Left Atrial Appendage
FY2017	<b>H</b> Pulmonary Valve <b>S</b> Pulmonary Vein, Right <b>T</b> Pulmonary Vein, Left <b>V</b> Superior Vena Cava	<b>0</b> Open <b>3</b> Percutaneous <b>4</b> Percutaneous Endoscopic	<b>C</b> Extraluminal Device <b>D</b> Intraluminal Device <b>Z</b> No Device	<b>Z</b> No Qualifier
No change	<b>R</b> Pulmonary Artery, Left	<b>0</b> Open <b>3</b> Percutaneous <b>4</b> Percutaneous Endoscopic	<b>C</b> Extraluminal Device <b>D</b> Intraluminal Device <b>Z</b> No Device	<b>T</b> Ductus Arteriosus

## 02N

No change	<i>Section</i> <b>0</b> Medical and Surgical			
	<i>Body System</i> <b>2</b> Heart and Great Vessels			
	<i>Operation</i> <b>N</b> Release: Freeing a body part from an abnormal physical constraint by cutting or by the use of force			
Heading	<i>Body Part</i>	<i>Approach</i>	<i>Device</i>	<i>Qualifier</i>
FY2017	<b>4</b> Coronary Vein <b>5</b> Atrial Septum <b>6</b> Atrium, Right <b>7</b> Atrium, Left <b>8</b> Conduction Mechanism <b>9</b> Chordae Tendineae <b>D</b> Papillary Muscle <b>F</b> Aortic Valve <b>G</b> Mitral Valve <b>H</b> Pulmonary Valve <b>J</b> Tricuspid Valve <b>K</b> Ventricle, Right <b>L</b> Ventricle, Left <b>M</b> Ventricular Septum <b>N</b> Pericardium <b>P</b> Pulmonary Trunk <b>Q</b> Pulmonary Artery, Right <b>R</b> Pulmonary Artery, Left <b>S</b> Pulmonary Vein, Right <b>T</b> Pulmonary Vein, Left <b>V</b> Superior Vena Cava <b>W</b> Thoracic Aorta, Descending <b>X</b> Thoracic Aorta, Ascending/Arch	<b>0</b> Open <b>3</b> Percutaneous <b>4</b> Percutaneous Endoscopic	<b>Z</b> No Device	<b>Z</b> No Qualifier

## 02P

No change	<b>Section 0</b> Medical and Surgical			
	<b>Body System 2</b> Heart and Great Vessels			
	<b>Operation P</b> Removal: Taking out or off a device from a body part			
Heading	<b>Body Part</b>	<b>Approach</b>	<b>Device</b>	<b>Qualifier</b>
FY2017	<b>A Heart</b>	<b>0</b> Open <b>3</b> Percutaneous <b>4</b> Percutaneous Endoscopic	<b>2</b> Monitoring Device <b>3</b> Infusion Device <b>7</b> Autologous Tissue Substitute <b>8</b> Zooplastic Tissue <b>C</b> Extraluminal Device <b>D</b> Intraluminal Device <b>J</b> Synthetic Substitute <b>K</b> Nonautologous Tissue Substitute <b>M</b> Cardiac Lead <b>N</b> Intracardiac Pacemaker <b>Q</b> Implantable Heart Assist System <b>R</b> External Heart Assist System	<b>Z</b> No Qualifier
No change	<b>A Heart</b>	<b>X</b> External	<b>2</b> Monitoring Device <b>3</b> Infusion Device <b>D</b> Intraluminal Device <b>M</b> Cardiac Lead	<b>Z</b> No Qualifier
No change	<b>Y Great Vessel</b>	<b>0</b> Open <b>3</b> Percutaneous <b>4</b> Percutaneous Endoscopic	<b>2</b> Monitoring Device <b>3</b> Infusion Device <b>7</b> Autologous Tissue Substitute <b>8</b> Zooplastic Tissue <b>C</b> Extraluminal Device <b>D</b> Intraluminal Device <b>J</b> Synthetic Substitute <b>K</b> Nonautologous Tissue Substitute	<b>Z</b> No Qualifier
No change	<b>Y Great Vessel</b>	<b>X</b> External	<b>2</b> Monitoring Device <b>3</b> Infusion Device <b>D</b> Intraluminal Device	<b>Z</b> No Qualifier

## 02Q

No change	<i>Section</i>	<b>0</b>	Medical and Surgical	
	<i>Body System</i>	<b>2</b>	Heart and Great Vessels	
	<i>Operation</i>	<b>Q</b>	Repair: Restoring, to the extent possible, a body part to its normal anatomic structure and function	
Heading	<i>Body Part</i>	<i>Approach</i>	<i>Device</i>	<i>Qualifier</i>
FY2017	<b>0</b> Coronary Artery, One Artery <b>1</b> Coronary Artery, Two Arteries <b>2</b> Coronary Artery, Three Arteries <b>3</b> Coronary Artery, Four or More Arteries <b>4</b> Coronary Vein <b>5</b> Atrial Septum <b>6</b> Atrium, Right <b>7</b> Atrium, Left <b>8</b> Conduction Mechanism <b>9</b> Chordae Tendineae <b>A</b> Heart <b>B</b> Heart, Right <b>C</b> Heart, Left <b>D</b> Papillary Muscle <b>H</b> Pulmonary Valve <b>K</b> Ventricle, Right <b>L</b> Ventricle, Left <b>M</b> Ventricular Septum <b>N</b> Pericardium <b>P</b> Pulmonary Trunk <b>Q</b> Pulmonary Artery, Right <b>R</b> Pulmonary Artery, Left <b>S</b> Pulmonary Vein, Right <b>T</b> Pulmonary Vein, Left <b>V</b> Superior Vena Cava <b>W</b> Thoracic Aorta, Descending <b>X</b> Thoracic Aorta, Ascending/Arch	<b>0</b> Open <b>3</b> Percutaneous <b>4</b> Percutaneous Endoscopic	<b>Z</b> No Device	<b>Z</b> No Qualifier
FY2017	<b>F</b> Aortic Valve	<b>0</b> Open <b>3</b> Percutaneous <b>4</b> Percutaneous Endoscopic	<b>Z</b> No Device	<b>J</b> Truncal Valve <b>Z</b> No Qualifier
FY2017	<b>G</b> Mitral Valve	<b>0</b> Open <b>3</b> Percutaneous <b>4</b> Percutaneous Endoscopic	<b>Z</b> No Device	<b>E</b> Atrioventricular Valve, Left <b>Z</b> No Qualifier
FY2017	<b>J</b> Tricuspid Valve	<b>0</b> Open <b>3</b> Percutaneous <b>4</b> Percutaneous Endoscopic	<b>Z</b> No Device	<b>G</b> Atrioventricular Valve, Right <b>Z</b> No Qualifier

## 02R

No change	<b>Section</b> <b>0</b> Medical and Surgical			
	<b>Body System</b> <b>2</b> Heart and Great Vessels			
Heading FY2017	<b>Operation</b> <b>R</b> Replacement: Putting in or on biological or synthetic material that physically takes the place and/or function of all or a portion of a body part			
	<b>Body Part</b>	<b>Approach</b>	<b>Device</b>	<b>Qualifier</b>
No change	<b>5</b> Atrial Septum <b>6</b> Atrium, Right <b>7</b> Atrium, Left <b>9</b> Chordae Tendineae <b>D</b> Papillary Muscle <b>J</b> Tricuspid Valve <b>K</b> Ventricle, Right <b>L</b> Ventricle, Left <b>M</b> Ventricular Septum <b>N</b> Pericardium <b>P</b> Pulmonary Trunk <b>Q</b> Pulmonary Artery, Right <b>R</b> Pulmonary Artery, Left <b>S</b> Pulmonary Vein, Right <b>T</b> Pulmonary Vein, Left <b>V</b> Superior Vena Cava <b>W</b> Thoracic Aorta, Descending <b>X</b> Thoracic Aorta, Ascending/Arch	<b>0</b> Open <b>4</b> Percutaneous Endoscopic	<b>7</b> Autologous Tissue Substitute <b>8</b> Zooplasic Tissue <b>J</b> Synthetic Substitute <b>K</b> Nonautologous Tissue Substitute	<b>Z</b> No Qualifier
	<b>F</b> Aortic Valve <b>G</b> Mitral Valve <b>H</b> Pulmonary Valve	<b>0</b> Open <b>4</b> Percutaneous Endoscopic	<b>7</b> Autologous Tissue Substitute <b>8</b> Zooplasic Tissue <b>J</b> Synthetic Substitute <b>K</b> Nonautologous Tissue Substitute	<b>Z</b> No Qualifier
No change	<b>F</b> Aortic Valve <b>G</b> Mitral Valve <b>H</b> Pulmonary Valve	<b>3</b> Percutaneous	<b>7</b> Autologous Tissue Substitute <b>8</b> Zooplasic Tissue <b>J</b> Synthetic Substitute <b>K</b> Nonautologous Tissue Substitute	<b>H</b> Transapical <b>Z</b> No Qualifier

## 02S

No change	<i>Section</i> <b>0</b> Medical and Surgical			
	<i>Body System</i> <b>2</b> Heart and Great Vessels			
	<i>Operation</i> <b>S</b> Reposition: Moving to its normal location, or other suitable location, all or a portion of a body part			
Heading	<i>Body Part</i>	<i>Approach</i>	<i>Device</i>	<i>Qualifier</i>
FY2017	<b>0</b> Coronary Artery, One Artery <b>1</b> Coronary Artery, Two Arteries <b>P</b> Pulmonary Trunk <b>Q</b> Pulmonary Artery, Right <b>R</b> Pulmonary Artery, Left <b>S</b> Pulmonary Vein, Right <b>T</b> Pulmonary Vein, Left <b>V</b> Superior Vena Cava <b>W</b> Thoracic Aorta, Descending <b>X</b> Thoracic Aorta, Ascending/Arch	<b>0</b> Open	<b>Z</b> No Device	<b>Z</b> No Qualifier



## 02U

No change	<b>Section</b>	<b>0</b>	Medical and Surgical	
	<b>Body System</b>	<b>2</b>	Heart and Great Vessels	
	<b>Operation</b>	<b>U</b>	Supplement: Putting in or on biological or synthetic material that physically reinforces and/or augments the function of a portion of a body part	
Heading	<b>Body Part</b>	<b>Approach</b>	<b>Device</b>	<b>Qualifier</b>
FY2017	<b>5</b> Atrial Septum <b>6</b> Atrium, Right <b>7</b> Atrium, Left <b>9</b> Chordae Tendineae <b>A</b> Heart <b>D</b> Papillary Muscle <b>H</b> Pulmonary Valve <b>K</b> Ventricle, Right <b>L</b> Ventricle, Left <b>M</b> Ventricular Septum <b>N</b> Pericardium <b>P</b> Pulmonary Trunk <b>Q</b> Pulmonary Artery, Right <b>R</b> Pulmonary Artery, Left <b>S</b> Pulmonary Vein, Right <b>T</b> Pulmonary Vein, Left <b>V</b> Superior Vena Cava <b>W</b> Thoracic Aorta, Descending <b>X</b> Thoracic Aorta, Ascending/Arch	<b>0</b> Open <b>3</b> Percutaneous <b>4</b> Percutaneous Endoscopic	<b>7</b> Autologous Tissue Substitute <b>8</b> Zooplasmic Tissue <b>J</b> Synthetic Substitute <b>K</b> Nonautologous Tissue Substitute	<b>Z</b> No Qualifier
FY2017	<b>F</b> Aortic Valve	<b>0</b> Open <b>3</b> Percutaneous <b>4</b> Percutaneous Endoscopic	<b>7</b> Autologous Tissue Substitute <b>8</b> Zooplasmic Tissue <b>J</b> Synthetic Substitute <b>K</b> Nonautologous Tissue Substitute	<b>J</b> Truncal Valve <b>Z</b> No Qualifier
FY2017	<b>G</b> Mitral Valve	<b>0</b> Open <b>3</b> Percutaneous <b>4</b> Percutaneous Endoscopic	<b>7</b> Autologous Tissue Substitute <b>8</b> Zooplasmic Tissue <b>J</b> Synthetic Substitute <b>K</b> Nonautologous Tissue Substitute	<b>E</b> Atrioventricular Valve, Left <b>Z</b> No Qualifier
FY2017	<b>J</b> Tricuspid Valve	<b>0</b> Open <b>3</b> Percutaneous <b>4</b> Percutaneous Endoscopic	<b>7</b> Autologous Tissue Substitute <b>8</b> Zooplasmic Tissue <b>J</b> Synthetic Substitute <b>K</b> Nonautologous Tissue Substitute	<b>G</b> Atrioventricular Valve, Right <b>Z</b> No Qualifier

## 02V

No change	<i>Section</i> <b>0</b> Medical and Surgical			
	<i>Body System</i> <b>2</b> Heart and Great Vessels			
	<i>Operation</i> <b>V</b> Restriction: Partially closing an orifice or the lumen of a tubular body part			
Heading	<i>Body Part</i>	<i>Approach</i>	<i>Device</i>	<i>Qualifier</i>
No change	<b>A</b> Heart	<b>0</b> Open <b>3</b> Percutaneous <b>4</b> Percutaneous Endoscopic	<b>C</b> Extraluminal Device <b>Z</b> No Device	<b>Z</b> No Qualifier
FY2017	<b>P</b> Pulmonary Trunk <b>Q</b> Pulmonary Artery, Right <b>S</b> Pulmonary Vein, Right <b>T</b> Pulmonary Vein, Left <b>V</b> Superior Vena Cava	<b>0</b> Open <b>3</b> Percutaneous <b>4</b> Percutaneous Endoscopic	<b>C</b> Extraluminal Device <b>D</b> Intraluminal Device <b>Z</b> No Device	<b>Z</b> No Qualifier
No change	<b>R</b> Pulmonary Artery, Left	<b>0</b> Open <b>3</b> Percutaneous <b>4</b> Percutaneous Endoscopic	<b>C</b> Extraluminal Device <b>D</b> Intraluminal Device <b>Z</b> No Device	<b>T</b> Ductus Arteriosus <b>Z</b> No Qualifier
FY2017	<b>W</b> Thoracic Aorta, Descending <b>X</b> Thoracic Aorta, Ascending/Arch	<b>0</b> Open <b>3</b> Percutaneous <b>4</b> Percutaneous Endoscopic	<b>C</b> Extraluminal Device <b>D</b> Intraluminal Device <b>E</b> Intraluminal Device, Branched or Fenestrated, One or Two Arteries <b>F</b> Intraluminal Device, Branched or Fenestrated, Three or More Arteries <b>Z</b> No Device	<b>Z</b> No Qualifier

## 02W

No change	<b>Section</b> <b>0</b> Medical and Surgical			
	<b>Body System</b> <b>2</b> Heart and Great Vessels			
	<b>Operation</b> <b>W</b> Revision: Correcting, to the extent possible, a portion of a malfunctioning device or the position of a displaced device			
Heading	<b>Body Part</b>	<b>Approach</b>	<b>Device</b>	<b>Qualifier</b>
No change	<b>5</b> Atrial Septum <b>M</b> Ventricular Septum	<b>0</b> Open <b>4</b> Percutaneous Endoscopic	<b>J</b> Synthetic Substitute	<b>Z</b> No Qualifier
FY2017	<b>A</b> Heart	<b>0</b> Open <b>3</b> Percutaneous <b>4</b> Percutaneous Endoscopic <b>X</b> External	<b>2</b> Monitoring Device <b>3</b> Infusion Device <b>7</b> Autologous Tissue Substitute <b>8</b> Zooplasic Tissue <b>C</b> Extraluminal Device <b>D</b> Intraluminal Device <b>J</b> Synthetic Substitute <b>K</b> Nonautologous Tissue Substitute <b>M</b> Cardiac Lead <b>N</b> Intracardiac Pacemaker <b>Q</b> Implantable Heart Assist System <b>R</b> External Heart Assist System	<b>Z</b> No Qualifier
No change	<b>F</b> Aortic Valve <b>G</b> Mitral Valve <b>H</b> Pulmonary Valve <b>J</b> Tricuspid Valve	<b>0</b> Open <b>4</b> Percutaneous Endoscopic	<b>7</b> Autologous Tissue Substitute <b>8</b> Zooplasic Tissue <b>J</b> Synthetic Substitute <b>K</b> Nonautologous Tissue Substitute	<b>Z</b> No Qualifier
No change	<b>Y</b> Great Vessel	<b>0</b> Open <b>3</b> Percutaneous <b>4</b> Percutaneous Endoscopic <b>X</b> External	<b>2</b> Monitoring Device <b>3</b> Infusion Device <b>7</b> Autologous Tissue Substitute <b>8</b> Zooplasic Tissue <b>C</b> Extraluminal Device <b>D</b> Intraluminal Device <b>J</b> Synthetic Substitute <b>K</b> Nonautologous Tissue Substitute	<b>Z</b> No Qualifier

037

No change	<b>Section</b> <b>0</b> Medical and Surgical			
	<b>Body System</b> <b>3</b> Upper Arteries			
	<b>Operation</b> <b>7</b> Dilation: Expanding an orifice or the lumen of a tubular body part			
Heading	<b>Body Part</b>	<b>Approach</b>	<b>Device</b>	<b>Qualifier</b>
FY2017	<b>0</b> Internal Mammary Artery, Right <b>1</b> Internal Mammary Artery, Left <b>2</b> Innominate Artery <b>3</b> Subclavian Artery, Right <b>4</b> Subclavian Artery, Left <b>5</b> Axillary Artery, Right <b>6</b> Axillary Artery, Left <b>7</b> Brachial Artery, Right <b>8</b> Brachial Artery, Left <b>9</b> Ulnar Artery, Right <b>A</b> Ulnar Artery, Left <b>B</b> Radial Artery, Right <b>C</b> Radial Artery, Left <b>D</b> Hand Artery, Right <b>F</b> Hand Artery, Left <b>G</b> Intracranial Artery <b>H</b> Common Carotid Artery, Right <b>J</b> Common Carotid Artery, Left <b>K</b> Internal Carotid Artery, Right <b>L</b> Internal Carotid Artery, Left <b>M</b> External Carotid Artery, Right <b>N</b> External Carotid Artery, Left <b>P</b> Vertebral Artery, Right <b>Q</b> Vertebral Artery, Left <b>R</b> Face Artery <b>S</b> Temporal Artery, Right <b>T</b> Temporal Artery, Left <b>U</b> Thyroid Artery, Right <b>V</b> Thyroid Artery, Left <b>Y</b> Upper Artery	<b>0</b> Open <b>3</b> Percutaneous <b>4</b> Percutaneous Endoscopic	<b>4</b> Intraluminal Device, Drug-eluting <b>5</b> Intraluminal Device, Drug-eluting, Two <b>6</b> Intraluminal Device, Drug-eluting, Three <b>7</b> Intraluminal Device, Drug-eluting, Four or More <b>D</b> Intraluminal Device <b>E</b> Intraluminal Device, Two <b>F</b> Intraluminal Device, Three <b>G</b> Intraluminal Device, Four or More <b>Z</b> No Device	<b>6</b> Bifurcation <b>Z</b> No Qualifier

## 03C

No change	<i>Section</i>	<b>0</b>	Medical and Surgical	
	<i>Body System</i>	<b>3</b>	Upper Arteries	
	<i>Operation</i>	<b>C</b>	Extirpation: Taking or cutting out solid matter from a body part	
Heading	<i>Body Part</i>	<i>Approach</i>	<i>Device</i>	<i>Qualifier</i>
FY2017	<b>0</b> Internal Mammary Artery, Right <b>1</b> Internal Mammary Artery, Left <b>2</b> Innominate Artery <b>3</b> Subclavian Artery, Right <b>4</b> Subclavian Artery, Left <b>5</b> Axillary Artery, Right <b>6</b> Axillary Artery, Left <b>7</b> Brachial Artery, Right <b>8</b> Brachial Artery, Left <b>9</b> Ulnar Artery, Right <b>A</b> Ulnar Artery, Left <b>B</b> Radial Artery, Right <b>C</b> Radial Artery, Left <b>D</b> Hand Artery, Right <b>F</b> Hand Artery, Left <b>G</b> Intracranial Artery <b>H</b> Common Carotid Artery, Right <b>J</b> Common Carotid Artery, Left <b>K</b> Internal Carotid Artery, Right <b>L</b> Internal Carotid Artery, Left <b>M</b> External Carotid Artery, Right <b>N</b> External Carotid Artery, Left <b>P</b> Vertebral Artery, Right <b>Q</b> Vertebral Artery, Left <b>R</b> Face Artery <b>S</b> Temporal Artery, Right <b>T</b> Temporal Artery, Left <b>U</b> Thyroid Artery, Right <b>V</b> Thyroid Artery, Left <b>Y</b> Upper Artery	<b>0</b> Open <b>3</b> Percutaneous <b>4</b> Percutaneous Endoscopic	<b>Z</b> No Device	<b>6</b> Bifurcation <b>Z</b> No Qualifier

047

No change	<b>Section</b> <b>0</b> Medical and Surgical			
	<b>Body System</b> <b>4</b> Lower Arteries			
	<b>Operation</b> <b>7</b> Dilation: Expanding an orifice or the lumen of a tubular body part			
Heading	<b>Body Part</b>	<b>Approach</b>	<b>Device</b>	<b>Qualifier</b>
FY2017	<b>0</b> Abdominal Aorta <b>1</b> Celiac Artery <b>2</b> Gastric Artery <b>3</b> Hepatic Artery <b>4</b> Splenic Artery <b>5</b> Superior Mesenteric Artery <b>6</b> Colic Artery, Right <b>7</b> Colic Artery, Left <b>8</b> Colic Artery, Middle <b>9</b> Renal Artery, Right <b>A</b> Renal Artery, Left <b>B</b> Inferior Mesenteric Artery <b>C</b> Common Iliac Artery, Right <b>D</b> Common Iliac Artery, Left <b>E</b> Internal Iliac Artery, Right <b>F</b> Internal Iliac Artery, Left <b>H</b> External Iliac Artery, Right <b>J</b> External Iliac Artery, Left <b>P</b> Anterior Tibial Artery, Right <b>Q</b> Anterior Tibial Artery, Left <b>R</b> Posterior Tibial Artery, Right <b>S</b> Posterior Tibial Artery, Left <b>T</b> Peroneal Artery, Right <b>U</b> Peroneal Artery, Left <b>V</b> Foot Artery, Right <b>W</b> Foot Artery, Left <b>Y</b> Lower Artery	<b>0</b> Open <b>3</b> Percutaneous <b>4</b> Percutaneous Endoscopic	<b>4</b> Intraluminal Device, Drug-eluting <b>5</b> Intraluminal Device, Drug-eluting, Two <b>6</b> Intraluminal Device, Drug-eluting, Three <b>7</b> Intraluminal Device, Drug-eluting, Four or More <b>D</b> Intraluminal Device <b>E</b> Intraluminal Device, Two <b>F</b> Intraluminal Device, Three <b>G</b> Intraluminal Device, Four or More <b>Z</b> No Device	<b>6</b> Bifurcation <b>Z</b> No Qualifier
FY2017	<b>K</b> Femoral Artery, Right <b>L</b> Femoral Artery, Left <b>M</b> Popliteal Artery, Right <b>N</b> Popliteal Artery, Left	<b>0</b> Open <b>3</b> Percutaneous <b>4</b> Percutaneous Endoscopic	<b>4</b> Intraluminal Device, Drug-eluting <b>D</b> Intraluminal Device <b>Z</b> No Device	<b>1</b> Drug-Coated Balloon <b>6</b> Bifurcation <b>Z</b> No Qualifier
FY2017	<b>K</b> Femoral Artery, Right <b>L</b> Femoral Artery, Left <b>M</b> Popliteal Artery, Right <b>N</b> Popliteal Artery, Left	<b>0</b> Open <b>3</b> Percutaneous <b>4</b> Percutaneous Endoscopic	<b>5</b> Intraluminal Device, Drug-eluting, Two <b>6</b> Intraluminal Device, Drug-eluting, Three <b>7</b> Intraluminal Device, Drug-eluting, Four or More <b>E</b> Intraluminal Device, Two <b>F</b> Intraluminal Device, Three <b>G</b> Intraluminal Device, Four or More	<b>6</b> Bifurcation <b>Z</b> No Qualifier

## 04C

No change	<b>Section</b> <b>0</b> Medical and Surgical			
	<b>Body System</b> <b>4</b> Lower Arteries			
	<b>Operation</b> <b>C</b> Extirpation: Taking or cutting out solid matter from a body part			
Heading	<b>Body Part</b>	<b>Approach</b>	<b>Device</b>	<b>Qualifier</b>
FY2017	<b>0</b> Abdominal Aorta <b>1</b> Celiac Artery <b>2</b> Gastric Artery <b>3</b> Hepatic Artery <b>4</b> Splenic Artery <b>5</b> Superior Mesenteric Artery <b>6</b> Colic Artery, Right <b>7</b> Colic Artery, Left <b>8</b> Colic Artery, Middle <b>9</b> Renal Artery, Right <b>A</b> Renal Artery, Left <b>B</b> Inferior Mesenteric Artery <b>C</b> Common Iliac Artery, Right <b>D</b> Common Iliac Artery, Left <b>E</b> Internal Iliac Artery, Right <b>F</b> Internal Iliac Artery, Left <b>H</b> External Iliac Artery, Right <b>J</b> External Iliac Artery, Left <b>K</b> Femoral Artery, Right <b>L</b> Femoral Artery, Left <b>M</b> Popliteal Artery, Right <b>N</b> Popliteal Artery, Left <b>P</b> Anterior Tibial Artery, Right <b>Q</b> Anterior Tibial Artery, Left <b>R</b> Posterior Tibial Artery, Right <b>S</b> Posterior Tibial Artery, Left <b>T</b> Peroneal Artery, Right <b>U</b> Peroneal Artery, Left <b>V</b> Foot Artery, Right <b>W</b> Foot Artery, Left <b>Y</b> Lower Artery	<b>0</b> Open <b>3</b> Percutaneous <b>4</b> Percutaneous Endoscopic	<b>Z</b> No Device	<b>6</b> Bifurcation <b>Z</b> No Qualifier

# 04V

No change	<b>Section</b> <b>0</b> Medical and Surgical			
	<b>Body System</b> <b>4</b> Lower Arteries			
	<b>Operation</b> <b>V</b> Restriction: Partially closing an orifice or the lumen of a tubular body part			
Heading	<b>Body Part</b>	<b>Approach</b>	<b>Device</b>	<b>Qualifier</b>
FY2017	<b>0</b> Abdominal Aorta	<b>0</b> Open <b>3</b> Percutaneous <b>4</b> Percutaneous Endoscopic	<b>C</b> Extraluminal Device <b>E</b> Intraluminal Device, Branched or Fenestrated, One or Two Arteries <b>F</b> Intraluminal Device, Branched or Fenestrated, Three or More Arteries <b>Z</b> No Device	<b>6</b> Bifurcation <b>Z</b> No Qualifier
FY2017	<b>0</b> Abdominal Aorta	<b>0</b> Open <b>3</b> Percutaneous <b>4</b> Percutaneous Endoscopic	<b>D</b> Intraluminal Device	<b>6</b> Bifurcation <b>J</b> Temporary <b>Z</b> No Qualifier
FY2017	<b>1</b> Celiac Artery <b>2</b> Gastric Artery <b>3</b> Hepatic Artery <b>4</b> Splenic Artery <b>5</b> Superior Mesenteric Artery <b>6</b> Colic Artery, Right <b>7</b> Colic Artery, Left <b>8</b> Colic Artery, Middle <b>9</b> Renal Artery, Right <b>A</b> Renal Artery, Left <b>B</b> Inferior Mesenteric Artery <b>E</b> Internal Iliac Artery, Right <b>F</b> Internal Iliac Artery, Left <b>H</b> External Iliac Artery, Right <b>J</b> External Iliac Artery, Left <b>K</b> Femoral Artery, Right <b>L</b> Femoral Artery, Left <b>M</b> Popliteal Artery, Right <b>N</b> Popliteal Artery, Left <b>P</b> Anterior Tibial Artery, Right <b>Q</b> Anterior Tibial Artery, Left <b>R</b> Posterior Tibial Artery, Right <b>S</b> Posterior Tibial Artery, Left <b>T</b> Peroneal Artery, Right <b>U</b> Peroneal Artery, Left <b>V</b> Foot Artery, Right <b>W</b> Foot Artery, Left <b>Y</b> Lower Artery	<b>0</b> Open <b>3</b> Percutaneous <b>4</b> Percutaneous Endoscopic	<b>C</b> Extraluminal Device <b>D</b> Intraluminal Device <b>Z</b> No Device	<b>Z</b> No Qualifier
FY2017	<b>C</b> Common Iliac Artery, Right <b>D</b> Common Iliac Artery, Left	<b>0</b> Open <b>3</b> Percutaneous <b>4</b> Percutaneous Endoscopic	<b>C</b> Extraluminal Device <b>D</b> Intraluminal Device <b>E</b> Intraluminal Device, Branched or Fenestrated, One or Two Arteries <b>F</b> Intraluminal Device, Branched or Fenestrated, Three or More Arteries <b>Z</b> No Device	<b>Z</b> No Qualifier



## 05H

No change	<b>Section</b> <b>0</b> Medical and Surgical			
	<b>Body System</b> <b>5</b> Upper Veins			
	<b>Operation</b> <b>H</b> Insertion: Putting in a nonbiological appliance that monitors, assists, performs, or prevents a physiological function but does not physically take the place of a body part			
Heading	<b>Body Part</b>	<b>Approach</b>	<b>Device</b>	<b>Qualifier</b>
FY2017	<b>0</b> Azygos Vein	<b>0</b> Open <b>3</b> Percutaneous <b>4</b> Percutaneous Endoscopic	<b>2</b> Monitoring Device <b>3</b> Infusion Device <b>D</b> Intraluminal Device <b>M</b> Neurostimulator Lead	<b>Z</b> No Qualifier
FY2017	<b>1</b> Hemiazygos Vein <b>5</b> Subclavian Vein, Right <b>6</b> Subclavian Vein, Left <b>7</b> Axillary Vein, Right <b>8</b> Axillary Vein, Left <b>9</b> Brachial Vein, Right <b>A</b> Brachial Vein, Left <b>B</b> Basilic Vein, Right <b>C</b> Basilic Vein, Left <b>D</b> Cephalic Vein, Right <b>F</b> Cephalic Vein, Left <b>G</b> Hand Vein, Right <b>H</b> Hand Vein, Left <b>L</b> Intracranial Vein <b>M</b> Internal Jugular Vein, Right <b>N</b> Internal Jugular Vein, Left <b>P</b> External Jugular Vein, Right <b>Q</b> External Jugular Vein, Left <b>R</b> Vertebral Vein, Right <b>S</b> Vertebral Vein, Left <b>T</b> Face Vein, Right <b>V</b> Face Vein, Left	<b>0</b> Open <b>3</b> Percutaneous <b>4</b> Percutaneous Endoscopic	<b>3</b> Infusion Device <b>D</b> Intraluminal Device	<b>Z</b> No Qualifier
FY2017	<b>3</b> Innominate Vein, Right <b>4</b> Innominate Vein, Left	<b>0</b> Open <b>3</b> Percutaneous <b>4</b> Percutaneous Endoscopic	<b>3</b> Infusion Device <b>D</b> Intraluminal Device <b>M</b> Neurostimulator Lead	<b>Z</b> No Qualifier
No change	<b>Y</b> Upper Vein	<b>0</b> Open <b>3</b> Percutaneous <b>4</b> Percutaneous Endoscopic	<b>2</b> Monitoring Device <b>3</b> Infusion Device <b>D</b> Intraluminal Device	<b>Z</b> No Qualifier

## 05P

No change	<b>Section</b> <b>0</b> Medical and Surgical			
	<b>Body System</b> <b>5</b> Upper Veins			
	<b>Operation</b> <b>P</b> Removal: Taking out or off a device from a body part			
Heading	<b>Body Part</b>	<b>Approach</b>	<b>Device</b>	<b>Qualifier</b>
FY2017	<b>0</b> Azygos Vein	<b>0</b> Open <b>3</b> Percutaneous <b>4</b> Percutaneous Endoscopic <b>X</b> External	<b>2</b> Monitoring Device <b>M</b> Neurostimulator Lead	<b>Z</b> No Qualifier
FY2017	<b>3</b> Innominate Vein, Right <b>4</b> Innominate Vein, Left	<b>0</b> Open <b>3</b> Percutaneous <b>4</b> Percutaneous Endoscopic <b>X</b> External	<b>M</b> Neurostimulator Lead	<b>Z</b> No Qualifier
No change	<b>Y</b> Upper Vein	<b>0</b> Open <b>3</b> Percutaneous <b>4</b> Percutaneous Endoscopic	<b>0</b> Drainage Device <b>2</b> Monitoring Device <b>3</b> Infusion Device <b>7</b> Autologous Tissue Substitute <b>C</b> Extraluminal Device <b>D</b> Intraluminal Device <b>J</b> Synthetic Substitute <b>K</b> Nonautologous Tissue Substitute	<b>Z</b> No Qualifier
No change	<b>Y</b> Upper Vein	<b>X</b> External	<b>0</b> Drainage Device <b>2</b> Monitoring Device <b>3</b> Infusion Device <b>D</b> Intraluminal Device	<b>Z</b> No Qualifier

## 05W

No change	<b>Section</b> <b>0</b> Medical and Surgical <b>Body System</b> <b>5</b> Upper Veins <b>Operation</b> <b>W</b> Revision: Correcting, to the extent possible, a portion of a malfunctioning device or the position of a displaced device			
	Heading	<b>Body Part</b>	<b>Approach</b>	<b>Device</b>
	FY2017	<b>0</b> Azygos Vein	<b>0</b> Open <b>3</b> Percutaneous <b>4</b> Percutaneous Endoscopic <b>X</b> External	<b>2</b> Monitoring Device <b>M</b> Neurostimulator Lead
FY2017		<b>3</b> Innominate Vein, Right <b>4</b> Innominate Vein, Left	<b>0</b> Open <b>3</b> Percutaneous <b>4</b> Percutaneous Endoscopic <b>X</b> External	<b>M</b> Neurostimulator Lead <b>Z</b> No Qualifier
No change		<b>Y</b> Upper Vein	<b>0</b> Open <b>3</b> Percutaneous <b>4</b> Percutaneous Endoscopic <b>X</b> External	<b>0</b> Drainage Device <b>2</b> Monitoring Device <b>3</b> Infusion Device <b>7</b> Autologous Tissue Substitute <b>C</b> Extraluminal Device <b>D</b> Intraluminal Device <b>J</b> Synthetic Substitute <b>K</b> Nonautologous Tissue Substitute <b>Z</b> No Qualifier

# OSP

	<b>Section</b> <b>0</b> Medical and Surgical			
No change	<b>Body System</b> <b>S</b> Lower Joints			
	<b>Operation</b> <b>P</b> Removal: Taking out or off a device from a body part			
Heading	<b>Body Part</b>	<b>Approach</b>	<b>Device</b>	<b>Qualifier</b>
No change	<b>0</b> Lumbar Vertebral Joint <b>3</b> Lumbosacral Joint	<b>0</b> Open <b>3</b> Percutaneous <b>4</b> Percutaneous Endoscopic	<b>0</b> Drainage Device <b>3</b> Infusion Device <b>4</b> Internal Fixation Device <b>7</b> Autologous Tissue Substitute <b>8</b> Spacer <b>A</b> Interbody Fusion Device <b>J</b> Synthetic Substitute <b>K</b> Nonautologous Tissue Substitute	<b>Z</b> No Qualifier
No change	<b>0</b> Lumbar Vertebral Joint <b>3</b> Lumbosacral Joint	<b>X</b> External	<b>0</b> Drainage Device <b>3</b> Infusion Device <b>4</b> Internal Fixation Device	<b>Z</b> No Qualifier
No change	<b>2</b> Lumbar Vertebral Disc <b>4</b> Lumbosacral Disc	<b>0</b> Open <b>3</b> Percutaneous <b>4</b> Percutaneous Endoscopic	<b>0</b> Drainage Device <b>3</b> Infusion Device <b>7</b> Autologous Tissue Substitute <b>J</b> Synthetic Substitute <b>K</b> Nonautologous Tissue Substitute	<b>Z</b> No Qualifier
No change	<b>2</b> Lumbar Vertebral Disc <b>4</b> Lumbosacral Disc	<b>X</b> External	<b>0</b> Drainage Device <b>3</b> Infusion Device	<b>Z</b> No Qualifier
No change	<b>5</b> Sacrococcygeal Joint <b>6</b> Coccygeal Joint <b>7</b> Sacroiliac Joint, Right <b>8</b> Sacroiliac Joint, Left	<b>0</b> Open <b>3</b> Percutaneous <b>4</b> Percutaneous Endoscopic	<b>0</b> Drainage Device <b>3</b> Infusion Device <b>4</b> Internal Fixation Device <b>7</b> Autologous Tissue Substitute <b>8</b> Spacer <b>J</b> Synthetic Substitute <b>K</b> Nonautologous Tissue Substitute	<b>Z</b> No Qualifier
No change	<b>5</b> Sacrococcygeal Joint <b>6</b> Coccygeal Joint <b>7</b> Sacroiliac Joint, Right <b>8</b> Sacroiliac Joint, Left	<b>X</b> External	<b>0</b> Drainage Device <b>3</b> Infusion Device <b>4</b> Internal Fixation Device	<b>Z</b> No Qualifier
No change	<b>9</b> Hip Joint, Right <b>B</b> Hip Joint, Left	<b>0</b> Open	<b>0</b> Drainage Device <b>3</b> Infusion Device <b>4</b> Internal Fixation Device <b>5</b> External Fixation Device <b>7</b> Autologous Tissue Substitute <b>8</b> Spacer <b>9</b> Liner <b>B</b> Resurfacing Device <b>J</b> Synthetic Substitute <b>K</b> Nonautologous Tissue Substitute	<b>Z</b> No Qualifier
No change	<b>9</b> Hip Joint, Right <b>B</b> Hip Joint, Left	<b>3</b> Percutaneous <b>4</b> Percutaneous Endoscopic	<b>0</b> Drainage Device <b>3</b> Infusion Device <b>4</b> Internal Fixation Device <b>5</b> External Fixation Device <b>7</b> Autologous Tissue Substitute <b>8</b> Spacer <b>J</b> Synthetic Substitute <b>K</b> Nonautologous Tissue Substitute	<b>Z</b> No Qualifier

No change	<b>9</b> Hip Joint, Right <b>B</b> Hip Joint, Left	<b>X</b> External	<b>0</b> Drainage Device <b>3</b> Infusion Device <b>4</b> Internal Fixation Device <b>5</b> External Fixation Device	<b>Z</b> No Qualifier
FY2017	<b>A</b> Hip Joint, Acetabular Surface, Right <b>E</b> Hip Joint, Acetabular Surface, Left <b>R</b> Hip Joint, Femoral Surface, Right <b>S</b> Hip Joint, Femoral Surface, Left <b>T</b> Knee Joint, Femoral Surface, Right <b>U</b> Knee Joint, Femoral Surface, Left <b>V</b> Knee Joint, Tibial Surface, Right <b>W</b> Knee Joint, Tibial Surface, Left	<b>0</b> Open <b>3</b> Percutaneous <b>4</b> Percutaneous Endoscopic	<b>J</b> Synthetic Substitute	<b>Z</b> No Qualifier
FY2017	<b>C</b> Knee Joint, Right <b>D</b> Knee Joint, Left	<b>0</b> Open	<b>0</b> Drainage Device <b>3</b> Infusion Device <b>4</b> Internal Fixation Device <b>5</b> External Fixation Device <b>7</b> Autologous Tissue Substitute <b>8</b> Spacer <b>9</b> Liner <b>K</b> Nonautologous Tissue Substitute	<b>Z</b> No Qualifier
FY2017	<b>C</b> Knee Joint, Right <b>D</b> Knee Joint, Left	<b>0</b> Open	<b>J</b> Synthetic Substitute	<b>C</b> Patellar Surface <b>Z</b> No Qualifier
FY2017	<b>C</b> Knee Joint, Right <b>D</b> Knee Joint, Left	<b>3</b> Percutaneous <b>4</b> Percutaneous Endoscopic	<b>0</b> Drainage Device <b>3</b> Infusion Device <b>4</b> Internal Fixation Device <b>5</b> External Fixation Device <b>7</b> Autologous Tissue Substitute <b>8</b> Spacer <b>K</b> Nonautologous Tissue Substitute	<b>Z</b> No Qualifier
FY2017	<b>C</b> Knee Joint, Right <b>D</b> Knee Joint, Left	<b>3</b> Percutaneous <b>4</b> Percutaneous Endoscopic	<b>J</b> Synthetic Substitute	<b>C</b> Patellar Surface <b>Z</b> No Qualifier
No change	<b>C</b> Knee Joint, Right <b>D</b> Knee Joint, Left	<b>X</b> External	<b>0</b> Drainage Device <b>3</b> Infusion Device <b>4</b> Internal Fixation Device <b>5</b> External Fixation Device	<b>Z</b> No Qualifier
No change	<b>F</b> Ankle Joint, Right <b>G</b> Ankle Joint, Left <b>H</b> Tarsal Joint, Right <b>J</b> Tarsal Joint, Left <b>K</b> Metatarsal-Tarsal Joint, Right <b>L</b> Metatarsal-Tarsal Joint, Left <b>M</b> Metatarsal-Phalangeal Joint, Right <b>N</b> Metatarsal-Phalangeal Joint, Left <b>P</b> Toe Phalangeal Joint, Right <b>Q</b> Toe Phalangeal Joint, Left	<b>0</b> Open <b>3</b> Percutaneous <b>4</b> Percutaneous Endoscopic	<b>0</b> Drainage Device <b>3</b> Infusion Device <b>4</b> Internal Fixation Device <b>5</b> External Fixation Device <b>7</b> Autologous Tissue Substitute <b>8</b> Spacer <b>J</b> Synthetic Substitute <b>K</b> Nonautologous Tissue Substitute	<b>Z</b> No Qualifier

No change

<b>F</b> Ankle Joint, Right <b>G</b> Ankle Joint, Left <b>H</b> Tarsal Joint, Right <b>J</b> Tarsal Joint, Left <b>K</b> Metatarsal-Tarsal Joint, Right <b>L</b> Metatarsal-Tarsal Joint, Left <b>M</b> Metatarsal-Phalangeal Joint, Right <b>N</b> Metatarsal-Phalangeal Joint, Left <b>P</b> Toe Phalangeal Joint, Right <b>Q</b> Toe Phalangeal Joint, Left	<b>X</b> External	<b>0</b> Drainage Device <b>3</b> Infusion Device <b>4</b> Internal Fixation Device <b>5</b> External Fixation Device	<b>Z</b> No Qualifier
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# OSR

No change	<b>Section</b> <b>0</b> Medical and Surgical			
	<b>Body System</b> <b>S</b> Lower Joints			
	<b>Operation</b> <b>R</b> Replacement: Putting in or on biological or synthetic material that physically takes the place and/or function of all or a portion of a body part			
Heading	<b>Body Part</b>	<b>Approach</b>	<b>Device</b>	<b>Qualifier</b>
No change	<b>0</b> Lumbar Vertebral Joint <b>2</b> Lumbar Vertebral Disc <b>3</b> Lumbosacral Joint <b>4</b> Lumbosacral Disc <b>5</b> Sacrococcygeal Joint <b>6</b> Coccygeal Joint <b>7</b> Sacroiliac Joint, Right <b>8</b> Sacroiliac Joint, Left <b>H</b> Tarsal Joint, Right <b>J</b> Tarsal Joint, Left <b>K</b> Metatarsal-Tarsal Joint, Right <b>L</b> Metatarsal-Tarsal Joint, Left <b>M</b> Metatarsal-Phalangeal Joint, Right <b>N</b> Metatarsal-Phalangeal Joint, Left <b>P</b> Toe Phalangeal Joint, Right <b>Q</b> Toe Phalangeal Joint, Left	<b>0</b> Open	<b>7</b> Autologous Tissue Substitute <b>J</b> Synthetic Substitute <b>K</b> Nonautologous Tissue Substitute	<b>Z</b> No Qualifier
No change	<b>9</b> Hip Joint, Right <b>B</b> Hip Joint, Left	<b>0</b> Open	<b>1</b> Synthetic Substitute, Metal <b>2</b> Synthetic Substitute, Metal on Polyethylene <b>3</b> Synthetic Substitute, Ceramic <b>4</b> Synthetic Substitute, Ceramic on Polyethylene <b>J</b> Synthetic Substitute	<b>9</b> Cemented <b>A</b> Uncemented <b>Z</b> No Qualifier
No change	<b>9</b> Hip Joint, Right <b>B</b> Hip Joint, Left	<b>0</b> Open	<b>7</b> Autologous Tissue Substitute <b>K</b> Nonautologous Tissue Substitute	<b>Z</b> No Qualifier
No change	<b>A</b> Hip Joint, Acetabular Surface, Right <b>E</b> Hip Joint, Acetabular Surface, Left	<b>0</b> Open	<b>0</b> Synthetic Substitute, Polyethylene <b>1</b> Synthetic Substitute, Metal <b>3</b> Synthetic Substitute, Ceramic <b>J</b> Synthetic Substitute	<b>9</b> Cemented <b>A</b> Uncemented <b>Z</b> No Qualifier
No change	<b>A</b> Hip Joint, Acetabular Surface, Right <b>E</b> Hip Joint, Acetabular Surface, Left	<b>0</b> Open	<b>7</b> Autologous Tissue Substitute <b>K</b> Nonautologous Tissue Substitute	<b>Z</b> No Qualifier
FY2017	<b>C</b> Knee Joint, Right <b>D</b> Knee Joint, Left	<b>0</b> Open	<b>7</b> Autologous Tissue Substitute <b>K</b> Nonautologous Tissue Substitute	<b>Z</b> No Qualifier
FY2017	<b>C</b> Knee Joint, Right <b>D</b> Knee Joint, Left	<b>0</b> Open	<b>J</b> Synthetic Substitute <b>L</b> Synthetic Substitute, Unicondylar	<b>9</b> Cemented <b>A</b> Uncemented <b>Z</b> No Qualifier

FY2017	<b>F</b> Ankle Joint, Right <b>G</b> Ankle Joint, Left <b>T</b> Knee Joint, Femoral Surface, Right <b>U</b> Knee Joint, Femoral Surface, Left <b>V</b> Knee Joint, Tibial Surface, Right <b>W</b> Knee Joint, Tibial Surface, Left	<b>0</b> Open	<b>7</b> Autologous Tissue Substitute <b>K</b> Nonautologous Tissue Substitute	<b>Z</b> No Qualifier
FY2017	<b>F</b> Ankle Joint, Right <b>G</b> Ankle Joint, Left <b>T</b> Knee Joint, Femoral Surface, Right <b>U</b> Knee Joint, Femoral Surface, Left <b>V</b> Knee Joint, Tibial Surface, Right <b>W</b> Knee Joint, Tibial Surface, Left	<b>0</b> Open	<b>J</b> Synthetic Substitute	<b>9</b> Cemented <b>A</b> Uncemented <b>Z</b> No Qualifier
No change	<b>R</b> Hip Joint, Femoral Surface, Right <b>S</b> Hip Joint, Femoral Surface, Left	<b>0</b> Open	<b>1</b> Synthetic Substitute, Metal <b>3</b> Synthetic Substitute, Ceramic <b>J</b> Synthetic Substitute	<b>9</b> Cemented <b>A</b> Uncemented <b>Z</b> No Qualifier
No change	<b>R</b> Hip Joint, Femoral Surface, Right <b>S</b> Hip Joint, Femoral Surface, Left	<b>0</b> Open	<b>7</b> Autologous Tissue Substitute <b>K</b> Nonautologous Tissue Substitute	<b>Z</b> No Qualifier



# OSW

No change	<b>Section</b> <b>0</b> Medical and Surgical			
	<b>Body System</b> <b>S</b> Lower Joints			
	<b>Operation</b> <b>W</b> Revision: Correcting, to the extent possible, a portion of a malfunctioning device or the position of a displaced device			
Heading	<b>Body Part</b>	<b>Approach</b>	<b>Device</b>	<b>Qualifier</b>
No change	<b>0</b> Lumbar Vertebral Joint <b>3</b> Lumbosacral Joint	<b>0</b> Open <b>3</b> Percutaneous <b>4</b> Percutaneous Endoscopic <b>X</b> External	<b>0</b> Drainage Device <b>3</b> Infusion Device <b>4</b> Internal Fixation Device <b>7</b> Autologous Tissue Substitute <b>8</b> Spacer <b>A</b> Interbody Fusion Device <b>J</b> Synthetic Substitute <b>K</b> Nonautologous Tissue Substitute	<b>Z</b> No Qualifier
No change	<b>2</b> Lumbar Vertebral Disc <b>4</b> Lumbosacral Disc	<b>0</b> Open <b>3</b> Percutaneous <b>4</b> Percutaneous Endoscopic <b>X</b> External	<b>0</b> Drainage Device <b>3</b> Infusion Device <b>7</b> Autologous Tissue Substitute <b>J</b> Synthetic Substitute <b>K</b> Nonautologous Tissue Substitute	<b>Z</b> No Qualifier
No change	<b>5</b> Sacrococcygeal Joint <b>6</b> Coccygeal Joint <b>7</b> Sacroiliac Joint, Right <b>8</b> Sacroiliac Joint, Left	<b>0</b> Open <b>3</b> Percutaneous <b>4</b> Percutaneous Endoscopic <b>X</b> External	<b>0</b> Drainage Device <b>3</b> Infusion Device <b>4</b> Internal Fixation Device <b>7</b> Autologous Tissue Substitute <b>8</b> Spacer <b>J</b> Synthetic Substitute <b>K</b> Nonautologous Tissue Substitute	<b>Z</b> No Qualifier
No change	<b>9</b> Hip Joint, Right <b>B</b> Hip Joint, Left	<b>0</b> Open	<b>0</b> Drainage Device <b>3</b> Infusion Device <b>4</b> Internal Fixation Device <b>5</b> External Fixation Device <b>7</b> Autologous Tissue Substitute <b>8</b> Spacer <b>9</b> Liner <b>B</b> Resurfacing Device <b>J</b> Synthetic Substitute <b>K</b> Nonautologous Tissue Substitute	<b>Z</b> No Qualifier
No change	<b>9</b> Hip Joint, Right <b>B</b> Hip Joint, Left	<b>3</b> Percutaneous <b>4</b> Percutaneous Endoscopic <b>X</b> External	<b>0</b> Drainage Device <b>3</b> Infusion Device <b>4</b> Internal Fixation Device <b>5</b> External Fixation Device <b>7</b> Autologous Tissue Substitute <b>8</b> Spacer <b>J</b> Synthetic Substitute <b>K</b> Nonautologous Tissue Substitute	<b>Z</b> No Qualifier

FY2017	<b>A</b> Hip Joint, Acetabular Surface, Right <b>E</b> Hip Joint, Acetabular Surface, Left <b>R</b> Hip Joint, Femoral Surface, Right <b>S</b> Hip Joint, Femoral Surface, Left <b>T</b> Knee Joint, Femoral Surface, Right <b>U</b> Knee Joint, Femoral Surface, Left <b>V</b> Knee Joint, Tibial Surface, Right <b>W</b> Knee Joint, Tibial Surface, Left	<b>0</b> Open <b>3</b> Percutaneous <b>4</b> Percutaneous Endoscopic <b>X</b> External	<b>J</b> Synthetic Substitute	<b>Z</b> No Qualifier
FY2017	<b>C</b> Knee Joint, Right <b>D</b> Knee Joint, Left	<b>0</b> Open	<b>0</b> Drainage Device <b>3</b> Infusion Device <b>4</b> Internal Fixation Device <b>5</b> External Fixation Device <b>7</b> Autologous Tissue Substitute <b>8</b> Spacer <b>9</b> Liner <b>K</b> Nonautologous Tissue Substitute	<b>Z</b> No Qualifier
FY2017	<b>C</b> Knee Joint, Right <b>D</b> Knee Joint, Left	<b>0</b> Open	<b>J</b> Synthetic Substitute	<b>C</b> Patellar Surface <b>Z</b> No Qualifier
FY2017	<b>C</b> Knee Joint, Right <b>D</b> Knee Joint, Left	<b>3</b> Percutaneous <b>4</b> Percutaneous Endoscopic <b>X</b> External	<b>0</b> Drainage Device <b>3</b> Infusion Device <b>4</b> Internal Fixation Device <b>5</b> External Fixation Device <b>7</b> Autologous Tissue Substitute <b>8</b> Spacer <b>K</b> Nonautologous Tissue Substitute	<b>Z</b> No Qualifier
FY2017	<b>C</b> Knee Joint, Right <b>D</b> Knee Joint, Left	<b>3</b> Percutaneous <b>4</b> Percutaneous Endoscopic <b>X</b> External	<b>J</b> Synthetic Substitute	<b>C</b> Patellar Surface <b>Z</b> No Qualifier
No change	<b>F</b> Ankle Joint, Right <b>G</b> Ankle Joint, Left <b>H</b> Tarsal Joint, Right <b>J</b> Tarsal Joint, Left <b>K</b> Metatarsal-Tarsal Joint, Right <b>L</b> Metatarsal-Tarsal Joint, Left <b>M</b> Metatarsal-Phalangeal Joint, Right <b>N</b> Metatarsal-Phalangeal Joint, Left <b>P</b> Toe Phalangeal Joint, Right <b>Q</b> Toe Phalangeal Joint, Left	<b>0</b> Open <b>3</b> Percutaneous <b>4</b> Percutaneous Endoscopic <b>X</b> External	<b>0</b> Drainage Device <b>3</b> Infusion Device <b>4</b> Internal Fixation Device <b>5</b> External Fixation Device <b>7</b> Autologous Tissue Substitute <b>8</b> Spacer <b>J</b> Synthetic Substitute <b>K</b> Nonautologous Tissue Substitute	<b>Z</b> No Qualifier

## 0W3

Revise from	<b>Section</b> <b>0</b> Medical and Surgical			
	<b>Body System</b> <b>W</b> Anatomical Regions, General			
	<b>Operation</b> <b>3</b> Control: Stopping, or attempting to stop, postprocedural bleeding			
Revise to	<b>Section</b> <b>0</b> Medical and Surgical			
	<b>Body System</b> <b>W</b> Anatomical Regions, General			
	<b>Operation</b> <b>3</b> Control: Stopping, or attempting to stop, postprocedural or other acute bleeding			
Heading	<b>Body Part</b>	<b>Approach</b>	<b>Device</b>	<b>Qualifier</b>
No change	<b>0</b> Head	<b>0</b> Open	<b>Z</b> No Device	<b>Z</b> No Qualifier
	<b>1</b> Cranial Cavity	<b>3</b> Percutaneous		
	<b>2</b> Face	<b>4</b> Percutaneous		
	<b>4</b> Upper Jaw	Endoscopic		
	<b>5</b> Lower Jaw			
	<b>6</b> Neck			
	<b>8</b> Chest Wall			
	<b>9</b> Pleural Cavity, Right			
	<b>B</b> Pleural Cavity, Left			
	<b>C</b> Mediastinum			
	<b>D</b> Pericardial Cavity			
	<b>F</b> Abdominal Wall			
	<b>G</b> Peritoneal Cavity			
	<b>H</b> Retroperitoneum			
	<b>J</b> Pelvic Cavity			
	<b>K</b> Upper Back			
	<b>L</b> Lower Back			
	<b>M</b> Perineum, Male			
	<b>N</b> Perineum, Female			
No change	<b>3</b> Oral Cavity and Throat	<b>0</b> Open	<b>Z</b> No Device	<b>Z</b> No Qualifier
		<b>3</b> Percutaneous		
		<b>4</b> Percutaneous		
		Endoscopic		
		<b>7</b> Via Natural or Artificial Opening		
		<b>8</b> Via Natural or Artificial Opening		
No change		Endoscopic		
		<b>X</b> External		
	<b>P</b> Gastrointestinal Tract	<b>0</b> Open	<b>Z</b> No Device	<b>Z</b> No Qualifier
	<b>Q</b> Respiratory Tract	<b>3</b> Percutaneous		
	<b>R</b> Genitourinary Tract	<b>4</b> Percutaneous		
		Endoscopic		
		<b>7</b> Via Natural or Artificial Opening		
		<b>8</b> Via Natural or Artificial Opening		
		Endoscopic		

## 0W4

Revise from	<i>Section</i>	<b>0</b>	Medical and Surgical	
	<i>Body System</i>	<b>W</b>	Anatomical Regions, General	
	<i>Operation</i>	<b>4</b>	Creation: Making a new genital structure that does not take over the function of a body part	
Revise to	<i>Section</i>	<b>0</b>	Medical and Surgical	
	<i>Body System</i>	<b>W</b>	Anatomical Regions, General	
	<i>Operation</i>	<b>4</b>	Creation: Putting in or on biological or synthetic material to form a new body part that to the extent possible replicates the anatomic structure or function of an absent body part	
Heading	<i>Body Part</i>		<i>Approach</i>	<i>Device</i>
No change	<b>M</b> Perineum, Male		<b>0</b> Open	<b>7</b> Autologous Tissue Substitute <b>J</b> Synthetic Substitute <b>K</b> Nonautologous Tissue Substitute <b>Z</b> No Device
				<b>0</b> Vagina
No change	<b>N</b> Perineum, Female		<b>0</b> Open	<b>7</b> Autologous Tissue Substitute <b>J</b> Synthetic Substitute <b>K</b> Nonautologous Tissue Substitute <b>Z</b> No Device
				<b>1</b> Penis

## 0WY

FY2017	<i>Section</i> <b>0</b> Medical and Surgical			
	<i>Body System</i> <b>W</b> Anatomical Regions, General			
	<i>Operation</i> <b>Y</b> Transplantation: Putting in or on all or a portion of a living body part taken from another individual or animal to physically take the place and/or function of all or a portion of a similar body part			
Heading	<i>Body Part</i>	<i>Approach</i>	<i>Device</i>	<i>Qualifier</i>
FY2017	<b>2</b> Face	<b>0</b> Open	<b>Z</b> No Device	<b>0</b> Allogeneic <b>1</b> Syngeneic

# 0X3

Revise from	<i>Section</i>	<b>0</b>	Medical and Surgical	
	<i>Body System</i>	<b>X</b>	Anatomical Regions, Upper Extremities	
	<i>Operation</i>	<b>3</b>	Control: Stopping, or attempting to stop, postprocedural bleeding	
Revise to	<i>Section</i>	<b>0</b>	Medical and Surgical	
	<i>Body System</i>	<b>X</b>	Anatomical Regions, Upper Extremities	
	<i>Operation</i>	<b>3</b>	Control: Stopping, or attempting to stop, postprocedural or other acute bleeding	
Heading	<i>Body Part</i>	<i>Approach</i>	<i>Device</i>	<i>Qualifier</i>
No change	<b>2</b> Shoulder Region, Right	<b>0</b> Open	<b>Z</b> No Device	<b>Z</b> No Qualifier
	<b>3</b> Shoulder Region, Left	<b>3</b> Percutaneous		
	<b>4</b> Axilla, Right	<b>4</b> Percutaneous		
	<b>5</b> Axilla, Left	Endoscopic		
	<b>6</b> Upper Extremity, Right			
	<b>7</b> Upper Extremity, Left			
	<b>8</b> Upper Arm, Right			
	<b>9</b> Upper Arm, Left			
	<b>B</b> Elbow Region, Right			
	<b>C</b> Elbow Region, Left			
	<b>D</b> Lower Arm, Right			
	<b>F</b> Lower Arm, Left			
	<b>G</b> Wrist Region, Right			
	<b>H</b> Wrist Region, Left			
	<b>J</b> Hand, Right			
	<b>K</b> Hand, Left			

## 0XY

FY2017	<i>Section</i>	<b>0</b>	Medical and Surgical	
	<i>Body System</i>	<b>X</b>	Anatomical Regions, Upper Extremities	
	<i>Operation</i>	<b>Y</b>	Transplantation: Putting in or on all or a portion of a living body part taken from another individual or animal to physically take the place and/or function of all or a portion of a similar body part	
Heading	<i>Body Part</i>	<i>Approach</i>	<i>Device</i>	<i>Qualifier</i>
FY2017	<b>J</b> Hand, Right	<b>0</b> Open	<b>Z</b> No Device	<b>0</b> Allogeneic
	<b>K</b> Hand, Left			<b>1</b> Syngeneic

# 0Y3

Revise from	<i>Section</i>	<b>0</b>	Medical and Surgical	
	<i>Body System</i>	<b>Y</b>	Anatomical Regions, Lower Extremities	
	<i>Operation</i>	<b>3</b>	Control: Stopping, or attempting to stop, postprocedural bleeding	
Revise to	<i>Section</i>	<b>0</b>	Medical and Surgical	
	<i>Body System</i>	<b>Y</b>	Anatomical Regions, Lower Extremities	
	<i>Operation</i>	<b>3</b>	Control: Stopping, or attempting to stop, postprocedural or other acute bleeding	
Heading	<i>Body Part</i>	<i>Approach</i>	<i>Device</i>	<i>Qualifier</i>
No change	<b>0</b> Buttock, Right	<b>0</b> Open	<b>Z</b> No Device	<b>Z</b> No Qualifier
	<b>1</b> Buttock, Left	<b>3</b> Percutaneous		
	<b>5</b> Inguinal Region, Right	<b>4</b> Percutaneous		
	<b>6</b> Inguinal Region, Left	Endoscopic		
	<b>7</b> Femoral Region, Right			
	<b>8</b> Femoral Region, Left			
	<b>9</b> Lower Extremity, Right			
	<b>B</b> Lower Extremity, Left			
	<b>C</b> Upper Leg, Right			
	<b>D</b> Upper Leg, Left			
	<b>F</b> Knee Region, Right			
	<b>G</b> Knee Region, Left			
	<b>H</b> Lower Leg, Right			
	<b>J</b> Lower Leg, Left			
	<b>K</b> Ankle Region, Right			
	<b>L</b> Ankle Region, Left			
	<b>M</b> Foot, Right			
	<b>N</b> Foot, Left			



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No change	<b>Section 3 Administration</b>			
	<b>Body System 0 Circulatory</b>			
	<b>Operation 2 Transfusion: Putting in blood or blood products</b>			
Heading	<b>Body System / Region</b>	<b>Approach</b>	<b>Substance</b>	<b>Qualifier</b>
No change	<b>3 Peripheral Vein</b> <b>4 Central Vein</b>	<b>0 Open</b> <b>3 Percutaneous</b>	<b>A Stem Cells, Embryonic</b>	<b>Z No Qualifier</b>
FY2017	<b>3 Peripheral Vein</b> <b>4 Central Vein</b>	<b>0 Open</b> <b>3 Percutaneous</b>	<b>G Bone Marrow</b> <b>X Stem Cells, Cord Blood</b> <b>Y Stem Cells, Hematopoietic</b>	<b>0 Autologous</b> <b>2 Allogeneic, Related</b> <b>3 Allogeneic, Unrelated</b> <b>4 Allogeneic, Unspecified</b>
FY2017	<b>3 Peripheral Vein</b> <b>4 Central Vein</b>	<b>0 Open</b> <b>3 Percutaneous</b>	<b>H Whole Blood</b> <b>J Serum Albumin</b> <b>K Frozen Plasma</b> <b>L Fresh Plasma</b> <b>M Plasma Cryoprecipitate</b> <b>N Red Blood Cells</b> <b>P Frozen Red Cells</b> <b>Q White Cells</b> <b>R Platelets</b> <b>S Globulin</b> <b>T Fibrinogen</b> <b>V Antihemophilic Factors</b> <b>W Factor IX</b>	<b>0 Autologous</b> <b>1 Nonautologous</b>
No change	<b>5 Peripheral Artery</b> <b>6 Central Artery</b>	<b>0 Open</b> <b>3 Percutaneous</b>	<b>G Bone Marrow</b> <b>H Whole Blood</b> <b>J Serum Albumin</b> <b>K Frozen Plasma</b> <b>L Fresh Plasma</b> <b>M Plasma Cryoprecipitate</b> <b>N Red Blood Cells</b> <b>P Frozen Red Cells</b> <b>Q White Cells</b> <b>R Platelets</b> <b>S Globulin</b> <b>T Fibrinogen</b> <b>V Antihemophilic Factors</b> <b>W Factor IX</b> <b>X Stem Cells, Cord Blood</b> <b>Y Stem Cells, Hematopoietic</b>	<b>0 Autologous</b> <b>1 Nonautologous</b>
No change	<b>7 Products of Conception, Circulatory</b>	<b>3 Percutaneous</b> <b>7 Via Natural or Artificial Opening</b>	<b>H Whole Blood</b> <b>J Serum Albumin</b> <b>K Frozen Plasma</b> <b>L Fresh Plasma</b> <b>M Plasma Cryoprecipitate</b> <b>N Red Blood Cells</b> <b>P Frozen Red Cells</b> <b>Q White Cells</b> <b>R Platelets</b> <b>S Globulin</b> <b>T Fibrinogen</b> <b>V Antihemophilic Factors</b> <b>W Factor IX</b>	<b>1 Nonautologous</b>
No change	<b>8 Vein</b>	<b>0 Open</b> <b>3 Percutaneous</b>	<b>B 4-Factor Prothrombin Complex Concentrate</b>	<b>1 Nonautologous</b>

## 3E0

No change	<b>Section 3</b> Administration <b>Body System E</b> Physiological Systems and Anatomical Regions <b>Operation 0</b> Introduction: Putting in or on a therapeutic, diagnostic, nutritional, physiological, or prophylactic substance except blood or blood products			
	Heading	<b>Body System / Region</b>	<b>Approach</b>	<b>Substance</b>
		<b>Qualifier</b>		
No change	<b>0</b> Skin and Mucous Membranes	<b>X</b> External	<b>0</b> Antineoplastic	<b>5</b> Other Antineoplastic <b>M</b> Monoclonal Antibody
No change	<b>0</b> Skin and Mucous Membranes	<b>X</b> External	<b>2</b> Anti-infective	<b>8</b> Oxazolidinones <b>9</b> Other Anti-infective
No change	<b>0</b> Skin and Mucous Membranes	<b>X</b> External	<b>3</b> Anti-inflammatory <b>4</b> Serum, Toxoid and Vaccine <b>B</b> Local Anesthetic <b>K</b> Other Diagnostic Substance <b>M</b> Pigment <b>N</b> Analgesics, Hypnotics, Sedatives <b>T</b> Destructive Agent	<b>Z</b> No Qualifier
No change	<b>0</b> Skin and Mucous Membranes	<b>X</b> External	<b>G</b> Other Therapeutic Substance	<b>C</b> Other Substance
No change	<b>1</b> Subcutaneous Tissue	<b>0</b> Open	<b>2</b> Anti-infective	<b>A</b> Anti-Infective Envelope
No change	<b>1</b> Subcutaneous Tissue	<b>3</b> Percutaneous	<b>0</b> Antineoplastic	<b>5</b> Other Antineoplastic <b>M</b> Monoclonal Antibody
No change	<b>1</b> Subcutaneous Tissue	<b>3</b> Percutaneous	<b>2</b> Anti-infective	<b>8</b> Oxazolidinones <b>9</b> Other Anti-infective <b>A</b> Anti-Infective Envelope
No change	<b>1</b> Subcutaneous Tissue	<b>3</b> Percutaneous	<b>3</b> Anti-inflammatory <b>4</b> Serum, Toxoid and Vaccine <b>6</b> Nutritional Substance <b>7</b> Electrolytic and Water Balance Substance <b>B</b> Local Anesthetic <b>H</b> Radioactive Substance <b>K</b> Other Diagnostic Substance <b>N</b> Analgesics, Hypnotics, Sedatives <b>T</b> Destructive Agent	<b>Z</b> No Qualifier
No change	<b>1</b> Subcutaneous Tissue	<b>3</b> Percutaneous	<b>G</b> Other Therapeutic Substance	<b>C</b> Other Substance
No change	<b>1</b> Subcutaneous Tissue	<b>3</b> Percutaneous	<b>V</b> Hormone	<b>G</b> Insulin <b>J</b> Other Hormone
No change	<b>2</b> Muscle	<b>3</b> Percutaneous	<b>0</b> Antineoplastic	<b>5</b> Other Antineoplastic <b>M</b> Monoclonal Antibody
No change	<b>2</b> Muscle	<b>3</b> Percutaneous	<b>2</b> Anti-infective	<b>8</b> Oxazolidinones <b>9</b> Other Anti-infective

No change	<b>2</b> Muscle	<b>3</b> Percutaneous	<b>3</b> Anti-inflammatory <b>4</b> Serum, Toxoid and Vaccine <b>6</b> Nutritional Substance <b>7</b> Electrolytic and Water Balance Substance <b>B</b> Local Anesthetic <b>H</b> Radioactive Substance <b>K</b> Other Diagnostic Substance <b>N</b> Analgesics, Hypnotics, Sedatives <b>T</b> Destructive Agent	<b>Z</b> No Qualifier
No change	<b>2</b> Muscle	<b>3</b> Percutaneous	<b>G</b> Other Therapeutic Substance	<b>C</b> Other Substance
No change	<b>3</b> Peripheral Vein	<b>0</b> Open	<b>0</b> Antineoplastic	<b>2</b> High-dose Interleukin-2 <b>3</b> Low-dose Interleukin-2 <b>5</b> Other Antineoplastic <b>M</b> Monoclonal Antibody <b>P</b> Clofarabine
No change	<b>3</b> Peripheral Vein	<b>0</b> Open	<b>1</b> Thrombolytic	<b>6</b> Recombinant Human-activated Protein C <b>7</b> Other Thrombolytic
No change	<b>3</b> Peripheral Vein	<b>0</b> Open	<b>2</b> Anti-infective	<b>8</b> Oxazolidinones <b>9</b> Other Anti-infective
No change	<b>3</b> Peripheral Vein	<b>0</b> Open	<b>3</b> Anti-inflammatory <b>4</b> Serum, Toxoid and Vaccine <b>6</b> Nutritional Substance <b>7</b> Electrolytic and Water Balance Substance <b>F</b> Intracirculatory Anesthetic <b>H</b> Radioactive Substance <b>K</b> Other Diagnostic Substance <b>N</b> Analgesics, Hypnotics, Sedatives <b>P</b> Platelet Inhibitor <b>R</b> Antiarrhythmic <b>T</b> Destructive Agent <b>X</b> Vasopressor	<b>Z</b> No Qualifier
No change	<b>3</b> Peripheral Vein	<b>0</b> Open	<b>G</b> Other Therapeutic Substance	<b>C</b> Other Substance <b>N</b> Blood Brain Barrier Disruption
No change	<b>3</b> Peripheral Vein	<b>0</b> Open	<b>U</b> Pancreatic Islet Cells	<b>0</b> Autologous <b>1</b> Nonautologous
No change	<b>3</b> Peripheral Vein	<b>0</b> Open	<b>V</b> Hormone	<b>G</b> Insulin <b>H</b> Human B-type Natriuretic Peptide <b>J</b> Other Hormone
No change	<b>3</b> Peripheral Vein	<b>0</b> Open	<b>W</b> Immunotherapeutic	<b>K</b> Immunostimulator <b>L</b> Immunosuppressive
No change	<b>3</b> Peripheral Vein	<b>3</b> Percutaneous	<b>0</b> Antineoplastic	<b>2</b> High-dose Interleukin-2 <b>3</b> Low-dose Interleukin-2 <b>5</b> Other Antineoplastic <b>M</b> Monoclonal Antibody <b>P</b> Clofarabine
No change	<b>3</b> Peripheral Vein	<b>3</b> Percutaneous	<b>1</b> Thrombolytic	<b>6</b> Recombinant Human-activated Protein C <b>7</b> Other Thrombolytic
No change	<b>3</b> Peripheral Vein	<b>3</b> Percutaneous	<b>2</b> Anti-infective	<b>8</b> Oxazolidinones <b>9</b> Other Anti-infective

No change	<b>3</b> Peripheral Vein	<b>3</b> Percutaneous	<b>3</b> Anti-inflammatory <b>4</b> Serum, Toxoid and Vaccine <b>6</b> Nutritional Substance <b>7</b> Electrolytic and Water Balance Substance <b>F</b> Intracirculatory Anesthetic <b>H</b> Radioactive Substance <b>K</b> Other Diagnostic Substance <b>N</b> Analgesics, Hypnotics, Sedatives <b>P</b> Platelet Inhibitor <b>R</b> Antiarrhythmic <b>T</b> Destructive Agent <b>X</b> Vasopressor	<b>Z</b> No Qualifier
No change	<b>3</b> Peripheral Vein	<b>3</b> Percutaneous	<b>G</b> Other Therapeutic Substance	<b>C</b> Other Substance <b>N</b> Blood Brain Barrier Disruption <b>Q</b> Glucarpidase
No change	<b>3</b> Peripheral Vein	<b>3</b> Percutaneous	<b>U</b> Pancreatic Islet Cells	<b>0</b> Autologous <b>1</b> Nonautologous
No change	<b>3</b> Peripheral Vein	<b>3</b> Percutaneous	<b>V</b> Hormone	<b>G</b> Insulin <b>H</b> Human B-type Natriuretic Peptide <b>J</b> Other Hormone
No change	<b>3</b> Peripheral Vein	<b>3</b> Percutaneous	<b>W</b> Immunotherapeutic	<b>K</b> Immunostimulator <b>L</b> Immunosuppressive
No change	<b>4</b> Central Vein	<b>0</b> Open	<b>0</b> Antineoplastic	<b>2</b> High-dose Interleukin-2 <b>3</b> Low-dose Interleukin-2 <b>5</b> Other Antineoplastic <b>M</b> Monoclonal Antibody <b>P</b> Clofarabine
No change	<b>4</b> Central Vein	<b>0</b> Open	<b>1</b> Thrombolytic	<b>6</b> Recombinant Human-activated Protein C <b>7</b> Other Thrombolytic
No change	<b>4</b> Central Vein	<b>0</b> Open	<b>2</b> Anti-infective	<b>8</b> Oxazolidinones <b>9</b> Other Anti-infective
No change	<b>4</b> Central Vein	<b>0</b> Open	<b>3</b> Anti-inflammatory <b>4</b> Serum, Toxoid and Vaccine <b>6</b> Nutritional Substance <b>7</b> Electrolytic and Water Balance Substance <b>F</b> Intracirculatory Anesthetic <b>H</b> Radioactive Substance <b>K</b> Other Diagnostic Substance <b>N</b> Analgesics, Hypnotics, Sedatives <b>P</b> Platelet Inhibitor <b>R</b> Antiarrhythmic <b>T</b> Destructive Agent <b>X</b> Vasopressor	<b>Z</b> No Qualifier
No change	<b>4</b> Central Vein	<b>0</b> Open	<b>G</b> Other Therapeutic Substance	<b>C</b> Other Substance <b>N</b> Blood Brain Barrier Disruption
No change	<b>4</b> Central Vein	<b>0</b> Open	<b>V</b> Hormone	<b>G</b> Insulin <b>H</b> Human B-type Natriuretic Peptide <b>J</b> Other Hormone
No change	<b>4</b> Central Vein	<b>0</b> Open	<b>W</b> Immunotherapeutic	<b>K</b> Immunostimulator <b>L</b> Immunosuppressive

No change	<b>4</b> Central Vein	<b>3</b> Percutaneous	<b>0</b> Antineoplastic	<b>2</b> High-dose Interleukin-2 <b>3</b> Low-dose Interleukin-2 <b>5</b> Other Antineoplastic <b>M</b> Monoclonal Antibody <b>P</b> Clofarabine
No change	<b>4</b> Central Vein	<b>3</b> Percutaneous	<b>1</b> Thrombolytic	<b>6</b> Recombinant Human-activated Protein C <b>7</b> Other Thrombolytic
No change	<b>4</b> Central Vein	<b>3</b> Percutaneous	<b>2</b> Anti-infective	<b>8</b> Oxazolidinones <b>9</b> Other Anti-infective
No change	<b>4</b> Central Vein	<b>3</b> Percutaneous	<b>3</b> Anti-inflammatory <b>4</b> Serum, Toxoid and Vaccine <b>6</b> Nutritional Substance <b>7</b> Electrolytic and Water Balance Substance <b>F</b> Intracirculatory Anesthetic <b>H</b> Radioactive Substance <b>K</b> Other Diagnostic Substance <b>N</b> Analgesics, Hypnotics, Sedatives <b>P</b> Platelet Inhibitor <b>R</b> Antiarrhythmic <b>T</b> Destructive Agent <b>X</b> Vasopressor	<b>Z</b> No Qualifier
No change	<b>4</b> Central Vein	<b>3</b> Percutaneous	<b>G</b> Other Therapeutic Substance	<b>C</b> Other Substance <b>N</b> Blood Brain Barrier Disruption <b>Q</b> Glucarpidase
No change	<b>4</b> Central Vein	<b>3</b> Percutaneous	<b>V</b> Hormone	<b>G</b> Insulin <b>H</b> Human B-type Natriuretic Peptide <b>J</b> Other Hormone
No change	<b>4</b> Central Vein	<b>3</b> Percutaneous	<b>W</b> Immunotherapeutic	<b>K</b> Immunostimulator <b>L</b> Immunosuppressive
No change	<b>5</b> Peripheral Artery <b>6</b> Central Artery	<b>0</b> Open <b>3</b> Percutaneous	<b>0</b> Antineoplastic	<b>2</b> High-dose Interleukin-2 <b>3</b> Low-dose Interleukin-2 <b>5</b> Other Antineoplastic <b>M</b> Monoclonal Antibody <b>P</b> Clofarabine
No change	<b>5</b> Peripheral Artery <b>6</b> Central Artery	<b>0</b> Open <b>3</b> Percutaneous	<b>1</b> Thrombolytic	<b>6</b> Recombinant Human-activated Protein C <b>7</b> Other Thrombolytic
No change	<b>5</b> Peripheral Artery <b>6</b> Central Artery	<b>0</b> Open <b>3</b> Percutaneous	<b>2</b> Anti-infective	<b>8</b> Oxazolidinones <b>9</b> Other Anti-infective
No change	<b>5</b> Peripheral Artery <b>6</b> Central Artery	<b>0</b> Open <b>3</b> Percutaneous	<b>3</b> Anti-inflammatory <b>4</b> Serum, Toxoid and Vaccine <b>6</b> Nutritional Substance <b>7</b> Electrolytic and Water Balance Substance <b>F</b> Intracirculatory Anesthetic <b>H</b> Radioactive Substance <b>K</b> Other Diagnostic Substance <b>N</b> Analgesics, Hypnotics, Sedatives <b>P</b> Platelet Inhibitor <b>R</b> Antiarrhythmic <b>T</b> Destructive Agent <b>X</b> Vasopressor	<b>Z</b> No Qualifier
No change	<b>5</b> Peripheral Artery <b>6</b> Central Artery	<b>0</b> Open <b>3</b> Percutaneous	<b>G</b> Other Therapeutic Substance	<b>C</b> Other Substance <b>N</b> Blood Brain Barrier Disruption

No change	<b>5</b> Peripheral Artery <b>6</b> Central Artery	<b>0</b> Open <b>3</b> Percutaneous	<b>V</b> Hormone	<b>G</b> Insulin <b>H</b> Human B-type Natriuretic Peptide <b>J</b> Other Hormone
No change	<b>5</b> Peripheral Artery <b>6</b> Central Artery	<b>0</b> Open <b>3</b> Percutaneous	<b>W</b> Immunotherapeutic	<b>K</b> Immunostimulator <b>L</b> Immunosuppressive
No change	<b>7</b> Coronary Artery <b>8</b> Heart	<b>0</b> Open <b>3</b> Percutaneous	<b>1</b> Thrombolytic	<b>6</b> Recombinant Human-activated Protein C <b>7</b> Other Thrombolytic
No change	<b>7</b> Coronary Artery <b>8</b> Heart	<b>0</b> Open <b>3</b> Percutaneous	<b>G</b> Other Therapeutic Substance	<b>C</b> Other Substance
No change	<b>7</b> Coronary Artery <b>8</b> Heart	<b>0</b> Open <b>3</b> Percutaneous	<b>K</b> Other Diagnostic Substance <b>P</b> Platelet Inhibitor	<b>Z</b> No Qualifier
No change	<b>9</b> Nose	<b>3</b> Percutaneous <b>7</b> Via Natural or Artificial Opening <b>X</b> External	<b>0</b> Antineoplastic	<b>5</b> Other Antineoplastic <b>M</b> Monoclonal Antibody
No change	<b>9</b> Nose	<b>3</b> Percutaneous <b>7</b> Via Natural or Artificial Opening <b>X</b> External	<b>2</b> Anti-infective	<b>8</b> Oxazolidinones <b>9</b> Other Anti-infective
No change	<b>9</b> Nose	<b>3</b> Percutaneous <b>7</b> Via Natural or Artificial Opening <b>X</b> External	<b>3</b> Anti-inflammatory <b>4</b> Serum, Toxoid and Vaccine <b>B</b> Local Anesthetic <b>H</b> Radioactive Substance <b>K</b> Other Diagnostic Substance <b>N</b> Analgesics, Hypnotics, Sedatives <b>T</b> Destructive Agent	<b>Z</b> No Qualifier
No change	<b>9</b> Nose	<b>3</b> Percutaneous <b>7</b> Via Natural or Artificial Opening <b>X</b> External	<b>G</b> Other Therapeutic Substance	<b>C</b> Other Substance
No change	<b>A</b> Bone Marrow	<b>3</b> Percutaneous	<b>0</b> Antineoplastic	<b>5</b> Other Antineoplastic <b>M</b> Monoclonal Antibody
No change	<b>A</b> Bone Marrow	<b>3</b> Percutaneous	<b>G</b> Other Therapeutic Substance	<b>C</b> Other Substance
No change	<b>B</b> Ear	<b>3</b> Percutaneous <b>7</b> Via Natural or Artificial Opening <b>X</b> External	<b>0</b> Antineoplastic	<b>4</b> Liquid Brachytherapy Radioisotope <b>5</b> Other Antineoplastic <b>M</b> Monoclonal Antibody
No change	<b>B</b> Ear	<b>3</b> Percutaneous <b>7</b> Via Natural or Artificial Opening <b>X</b> External	<b>2</b> Anti-infective	<b>8</b> Oxazolidinones <b>9</b> Other Anti-infective
No change	<b>B</b> Ear	<b>3</b> Percutaneous <b>7</b> Via Natural or Artificial Opening <b>X</b> External	<b>3</b> Anti-inflammatory <b>B</b> Local Anesthetic <b>H</b> Radioactive Substance <b>K</b> Other Diagnostic Substance <b>N</b> Analgesics, Hypnotics, Sedatives <b>T</b> Destructive Agent	<b>Z</b> No Qualifier
No change	<b>B</b> Ear	<b>3</b> Percutaneous <b>7</b> Via Natural or Artificial Opening <b>X</b> External	<b>G</b> Other Therapeutic Substance	<b>C</b> Other Substance
No change	<b>C</b> Eye	<b>3</b> Percutaneous <b>7</b> Via Natural or Artificial Opening <b>X</b> External	<b>0</b> Antineoplastic	<b>4</b> Liquid Brachytherapy Radioisotope <b>5</b> Other Antineoplastic <b>M</b> Monoclonal Antibody

No change	<b>C</b> Eye	<b>3</b> Percutaneous <b>7</b> Via Natural or Artificial Opening <b>X</b> External	<b>2</b> Anti-infective	<b>8</b> Oxazolidinones <b>9</b> Other Anti-infective
No change	<b>C</b> Eye	<b>3</b> Percutaneous <b>7</b> Via Natural or Artificial Opening <b>X</b> External	<b>3</b> Anti-inflammatory <b>B</b> Local Anesthetic <b>H</b> Radioactive Substance <b>K</b> Other Diagnostic Substance <b>M</b> Pigment <b>N</b> Analgesics, Hypnotics, Sedatives <b>T</b> Destructive Agent	<b>Z</b> No Qualifier
No change	<b>C</b> Eye	<b>3</b> Percutaneous <b>7</b> Via Natural or Artificial Opening <b>X</b> External	<b>G</b> Other Therapeutic Substance	<b>C</b> Other Substance
No change	<b>C</b> Eye	<b>3</b> Percutaneous <b>7</b> Via Natural or Artificial Opening <b>X</b> External	<b>S</b> Gas	<b>F</b> Other Gas
No change	<b>D</b> Mouth and Pharynx	<b>3</b> Percutaneous <b>7</b> Via Natural or Artificial Opening <b>X</b> External	<b>0</b> Antineoplastic	<b>4</b> Liquid Brachytherapy Radioisotope <b>5</b> Other Antineoplastic <b>M</b> Monoclonal Antibody
No change	<b>D</b> Mouth and Pharynx	<b>3</b> Percutaneous <b>7</b> Via Natural or Artificial Opening <b>X</b> External	<b>2</b> Anti-infective	<b>8</b> Oxazolidinones <b>9</b> Other Anti-infective
No change	<b>D</b> Mouth and Pharynx	<b>3</b> Percutaneous <b>7</b> Via Natural or Artificial Opening <b>X</b> External	<b>3</b> Anti-inflammatory <b>4</b> Serum, Toxoid and Vaccine <b>6</b> Nutritional Substance <b>7</b> Electrolytic and Water Balance Substance <b>B</b> Local Anesthetic <b>H</b> Radioactive Substance <b>K</b> Other Diagnostic Substance <b>N</b> Analgesics, Hypnotics, Sedatives <b>R</b> Antiarrhythmic <b>T</b> Destructive Agent	<b>Z</b> No Qualifier
No change	<b>D</b> Mouth and Pharynx	<b>3</b> Percutaneous <b>7</b> Via Natural or Artificial Opening <b>X</b> External	<b>G</b> Other Therapeutic Substance	<b>C</b> Other Substance
No change	<b>E</b> Products of Conception <b>G</b> Upper GI <b>H</b> Lower GI <b>K</b> Genitourinary Tract <b>N</b> Male Reproductive	<b>3</b> Percutaneous <b>7</b> Via Natural or Artificial Opening <b>8</b> Via Natural or Artificial Opening Endoscopic	<b>0</b> Antineoplastic	<b>4</b> Liquid Brachytherapy Radioisotope <b>5</b> Other Antineoplastic <b>M</b> Monoclonal Antibody
No change	<b>E</b> Products of Conception <b>G</b> Upper GI <b>H</b> Lower GI <b>K</b> Genitourinary Tract <b>N</b> Male Reproductive	<b>3</b> Percutaneous <b>7</b> Via Natural or Artificial Opening <b>8</b> Via Natural or Artificial Opening Endoscopic	<b>2</b> Anti-infective	<b>8</b> Oxazolidinones <b>9</b> Other Anti-infective

No change	<b>E</b> Products of Conception <b>G</b> Upper GI <b>H</b> Lower GI <b>K</b> Genitourinary Tract <b>N</b> Male Reproductive	<b>3</b> Percutaneous <b>7</b> Via Natural or Artificial Opening <b>8</b> Via Natural or Artificial Opening Endoscopic	<b>3</b> Anti-inflammatory <b>6</b> Nutritional Substance <b>7</b> Electrolytic and Water Balance Substance <b>B</b> Local Anesthetic <b>H</b> Radioactive Substance <b>K</b> Other Diagnostic Substance <b>N</b> Analgesics, Hypnotics, Sedatives <b>T</b> Destructive Agent	<b>Z</b> No Qualifier
No change	<b>E</b> Products of Conception <b>G</b> Upper GI <b>H</b> Lower GI <b>K</b> Genitourinary Tract <b>N</b> Male Reproductive	<b>3</b> Percutaneous <b>7</b> Via Natural or Artificial Opening <b>8</b> Via Natural or Artificial Opening Endoscopic	<b>G</b> Other Therapeutic Substance	<b>C</b> Other Substance
No change	<b>E</b> Products of Conception <b>G</b> Upper GI <b>H</b> Lower GI <b>K</b> Genitourinary Tract <b>N</b> Male Reproductive	<b>3</b> Percutaneous <b>7</b> Via Natural or Artificial Opening <b>8</b> Via Natural or Artificial Opening Endoscopic	<b>S</b> Gas	<b>F</b> Other Gas
No change	<b>F</b> Respiratory Tract	<b>3</b> Percutaneous	<b>0</b> Antineoplastic	<b>4</b> Liquid Brachytherapy Radioisotope <b>5</b> Other Antineoplastic <b>M</b> Monoclonal Antibody
No change	<b>F</b> Respiratory Tract	<b>3</b> Percutaneous	<b>2</b> Anti-infective	<b>8</b> Oxazolidinones <b>9</b> Other Anti-infective
No change	<b>F</b> Respiratory Tract	<b>3</b> Percutaneous	<b>3</b> Anti-inflammatory <b>6</b> Nutritional Substance <b>7</b> Electrolytic and Water Balance Substance <b>B</b> Local Anesthetic <b>H</b> Radioactive Substance <b>K</b> Other Diagnostic Substance <b>N</b> Analgesics, Hypnotics, Sedatives <b>T</b> Destructive Agent	<b>Z</b> No Qualifier
No change	<b>F</b> Respiratory Tract	<b>3</b> Percutaneous	<b>G</b> Other Therapeutic Substance	<b>C</b> Other Substance
No change	<b>F</b> Respiratory Tract	<b>3</b> Percutaneous	<b>S</b> Gas	<b>D</b> Nitric Oxide <b>F</b> Other Gas
No change	<b>F</b> Respiratory Tract	<b>7</b> Via Natural or Artificial Opening <b>8</b> Via Natural or Artificial Opening Endoscopic	<b>0</b> Antineoplastic	<b>4</b> Liquid Brachytherapy Radioisotope <b>5</b> Other Antineoplastic <b>M</b> Monoclonal Antibody
No change	<b>F</b> Respiratory Tract	<b>7</b> Via Natural or Artificial Opening <b>8</b> Via Natural or Artificial Opening Endoscopic	<b>2</b> Anti-infective	<b>8</b> Oxazolidinones <b>9</b> Other Anti-infective
No change	<b>F</b> Respiratory Tract	<b>7</b> Via Natural or Artificial Opening <b>8</b> Via Natural or Artificial Opening Endoscopic	<b>3</b> Anti-inflammatory <b>6</b> Nutritional Substance <b>7</b> Electrolytic and Water Balance Substance <b>B</b> Local Anesthetic <b>D</b> Inhalation Anesthetic <b>H</b> Radioactive Substance <b>K</b> Other Diagnostic Substance <b>N</b> Analgesics, Hypnotics, Sedatives <b>T</b> Destructive Agent	<b>Z</b> No Qualifier



No change	<b>F</b> Respiratory Tract	<b>7</b> Via Natural or Artificial Opening <b>8</b> Via Natural or Artificial Opening Endoscopic	<b>G</b> Other Therapeutic Substance	<b>C</b> Other Substance
No change	<b>F</b> Respiratory Tract	<b>7</b> Via Natural or Artificial Opening <b>8</b> Via Natural or Artificial Opening Endoscopic	<b>S</b> Gas	<b>D</b> Nitric Oxide <b>F</b> Other Gas
No change	<b>J</b> Biliary and Pancreatic Tract	<b>3</b> Percutaneous <b>7</b> Via Natural or Artificial Opening <b>8</b> Via Natural or Artificial Opening Endoscopic	<b>0</b> Antineoplastic	<b>4</b> Liquid Brachytherapy Radioisotope <b>5</b> Other Antineoplastic <b>M</b> Monoclonal Antibody
No change	<b>J</b> Biliary and Pancreatic Tract	<b>3</b> Percutaneous <b>7</b> Via Natural or Artificial Opening <b>8</b> Via Natural or Artificial Opening Endoscopic	<b>2</b> Anti-infective	<b>8</b> Oxazolidinones <b>9</b> Other Anti-infective
No change	<b>J</b> Biliary and Pancreatic Tract	<b>3</b> Percutaneous <b>7</b> Via Natural or Artificial Opening <b>8</b> Via Natural or Artificial Opening Endoscopic	<b>3</b> Anti-inflammatory <b>6</b> Nutritional Substance <b>7</b> Electrolytic and Water Balance Substance <b>B</b> Local Anesthetic <b>H</b> Radioactive Substance <b>K</b> Other Diagnostic Substance <b>N</b> Analgesics, Hypnotics, Sedatives <b>T</b> Destructive Agent	<b>Z</b> No Qualifier
No change	<b>J</b> Biliary and Pancreatic Tract	<b>3</b> Percutaneous <b>7</b> Via Natural or Artificial Opening <b>8</b> Via Natural or Artificial Opening Endoscopic	<b>G</b> Other Therapeutic Substance	<b>C</b> Other Substance
No change	<b>J</b> Biliary and Pancreatic Tract	<b>3</b> Percutaneous <b>7</b> Via Natural or Artificial Opening <b>8</b> Via Natural or Artificial Opening Endoscopic	<b>S</b> Gas	<b>F</b> Other Gas
No change	<b>J</b> Biliary and Pancreatic Tract	<b>3</b> Percutaneous <b>7</b> Via Natural or Artificial Opening <b>8</b> Via Natural or Artificial Opening Endoscopic	<b>U</b> Pancreatic Islet Cells	<b>0</b> Autologous <b>1</b> Nonautologous
No change	<b>L</b> Pleural Cavity <b>M</b> Peritoneal Cavity	<b>0</b> Open	<b>5</b> Adhesion Barrier	<b>Z</b> No Qualifier
No change	<b>L</b> Pleural Cavity <b>M</b> Peritoneal Cavity	<b>3</b> Percutaneous	<b>0</b> Antineoplastic	<b>4</b> Liquid Brachytherapy Radioisotope <b>5</b> Other Antineoplastic <b>M</b> Monoclonal Antibody
No change	<b>L</b> Pleural Cavity <b>M</b> Peritoneal Cavity	<b>3</b> Percutaneous	<b>2</b> Anti-infective	<b>8</b> Oxazolidinones <b>9</b> Other Anti-infective

No change	<b>L</b> Pleural Cavity <b>M</b> Peritoneal Cavity	<b>3</b> Percutaneous	<b>3</b> Anti-inflammatory <b>6</b> Nutritional Substance <b>7</b> Electrolytic and Water Balance Substance <b>B</b> Local Anesthetic <b>H</b> Radioactive Substance <b>K</b> Other Diagnostic Substance <b>N</b> Analgesics, Hypnotics, Sedatives <b>T</b> Destructive Agent	<b>Z</b> No Qualifier
No change	<b>L</b> Pleural Cavity <b>M</b> Peritoneal Cavity	<b>3</b> Percutaneous	<b>G</b> Other Therapeutic Substance	<b>C</b> Other Substance
No change	<b>L</b> Pleural Cavity <b>M</b> Peritoneal Cavity	<b>3</b> Percutaneous	<b>S</b> Gas	<b>F</b> Other Gas
No change	<b>L</b> Pleural Cavity <b>M</b> Peritoneal Cavity	<b>7</b> Via Natural or Artificial Opening	<b>0</b> Antineoplastic	<b>4</b> Liquid Brachytherapy Radioisotope <b>5</b> Other Antineoplastic <b>M</b> Monoclonal Antibody
No change	<b>L</b> Pleural Cavity <b>M</b> Peritoneal Cavity	<b>7</b> Via Natural or Artificial Opening	<b>S</b> Gas	<b>F</b> Other Gas
No change	<b>P</b> Female Reproductive	<b>0</b> Open	<b>5</b> Adhesion Barrier	<b>Z</b> No Qualifier
No change	<b>P</b> Female Reproductive	<b>3</b> Percutaneous <b>7</b> Via Natural or Artificial Opening	<b>0</b> Antineoplastic	<b>4</b> Liquid Brachytherapy Radioisotope <b>5</b> Other Antineoplastic <b>M</b> Monoclonal Antibody
No change	<b>P</b> Female Reproductive	<b>3</b> Percutaneous <b>7</b> Via Natural or Artificial Opening	<b>2</b> Anti-infective	<b>8</b> Oxazolidinones <b>9</b> Other Anti-infective
No change	<b>P</b> Female Reproductive	<b>3</b> Percutaneous <b>7</b> Via Natural or Artificial Opening	<b>3</b> Anti-inflammatory <b>6</b> Nutritional Substance <b>7</b> Electrolytic and Water Balance Substance <b>B</b> Local Anesthetic <b>H</b> Radioactive Substance <b>K</b> Other Diagnostic Substance <b>L</b> Sperm <b>N</b> Analgesics, Hypnotics, Sedatives <b>T</b> Destructive Agent	<b>Z</b> No Qualifier
No change	<b>P</b> Female Reproductive	<b>3</b> Percutaneous <b>7</b> Via Natural or Artificial Opening	<b>G</b> Other Therapeutic Substance	<b>C</b> Other Substance
No change	<b>P</b> Female Reproductive	<b>3</b> Percutaneous <b>7</b> Via Natural or Artificial Opening	<b>Q</b> Fertilized Ovum	<b>0</b> Autologous <b>1</b> Nonautologous
No change	<b>P</b> Female Reproductive	<b>3</b> Percutaneous <b>7</b> Via Natural or Artificial Opening	<b>S</b> Gas	<b>F</b> Other Gas
No change	<b>P</b> Female Reproductive	<b>8</b> Via Natural or Artificial Opening Endoscopic	<b>0</b> Antineoplastic	<b>4</b> Liquid Brachytherapy Radioisotope <b>5</b> Other Antineoplastic <b>M</b> Monoclonal Antibody
No change	<b>P</b> Female Reproductive	<b>8</b> Via Natural or Artificial Opening Endoscopic	<b>2</b> Anti-infective	<b>8</b> Oxazolidinones <b>9</b> Other Anti-infective

No change	<b>P</b> Female Reproductive	<b>8</b> Via Natural or Artificial Opening Endoscopic	<b>3</b> Anti-inflammatory <b>6</b> Nutritional Substance <b>7</b> Electrolytic and Water Balance Substance <b>B</b> Local Anesthetic <b>H</b> Radioactive Substance <b>K</b> Other Diagnostic Substance <b>N</b> Analgesics, Hypnotics, Sedatives <b>T</b> Destructive Agent	<b>Z</b> No Qualifier
No change	<b>P</b> Female Reproductive	<b>8</b> Via Natural or Artificial Opening Endoscopic	<b>G</b> Other Therapeutic Substance	<b>C</b> Other Substance
No change	<b>P</b> Female Reproductive	<b>8</b> Via Natural or Artificial Opening Endoscopic	<b>S</b> Gas	<b>F</b> Other Gas
FY2017	<b>Q</b> Cranial Cavity and Brain	<b>0</b> Open <b>3</b> Percutaneous	<b>0</b> Antineoplastic	<b>4</b> Liquid Brachytherapy Radioisotope <b>5</b> Other Antineoplastic <b>M</b> Monoclonal Antibody
FY2017	<b>Q</b> Cranial Cavity and Brain	<b>0</b> Open <b>3</b> Percutaneous	<b>2</b> Anti-infective	<b>8</b> Oxazolidinones <b>9</b> Other Anti-infective
FY2017	<b>Q</b> Cranial Cavity and Brain	<b>0</b> Open <b>3</b> Percutaneous	<b>3</b> Anti-inflammatory <b>6</b> Nutritional Substance <b>7</b> Electrolytic and Water Balance Substance <b>A</b> Stem Cells, Embryonic <b>B</b> Local Anesthetic <b>H</b> Radioactive Substance <b>K</b> Other Diagnostic Substance <b>N</b> Analgesics, Hypnotics, Sedatives <b>T</b> Destructive Agent	<b>Z</b> No Qualifier
FY2017	<b>Q</b> Cranial Cavity and Brain	<b>0</b> Open <b>3</b> Percutaneous	<b>E</b> Stem Cells, Somatic	<b>0</b> Autologous <b>1</b> Nonautologous
FY2017	<b>Q</b> Cranial Cavity and Brain	<b>0</b> Open <b>3</b> Percutaneous	<b>G</b> Other Therapeutic Substance	<b>C</b> Other Substance
FY2017	<b>Q</b> Cranial Cavity and Brain	<b>0</b> Open <b>3</b> Percutaneous	<b>S</b> Gas	<b>F</b> Other Gas
No change	<b>Q</b> Cranial Cavity and Brain	<b>7</b> Via Natural or Artificial Opening	<b>0</b> Antineoplastic	<b>4</b> Liquid Brachytherapy Radioisotope <b>5</b> Other Antineoplastic <b>M</b> Monoclonal Antibody
No change	<b>Q</b> Cranial Cavity and Brain	<b>7</b> Via Natural or Artificial Opening	<b>S</b> Gas	<b>F</b> Other Gas
No change	<b>R</b> Spinal Canal	<b>0</b> Open	<b>A</b> Stem Cells, Embryonic	<b>Z</b> No Qualifier
No change	<b>R</b> Spinal Canal	<b>0</b> Open	<b>E</b> Stem Cells, Somatic	<b>0</b> Autologous <b>1</b> Nonautologous
No change	<b>R</b> Spinal Canal	<b>3</b> Percutaneous	<b>0</b> Antineoplastic	<b>2</b> High-dose Interleukin-2 <b>3</b> Low-dose Interleukin-2 <b>4</b> Liquid Brachytherapy Radioisotope <b>5</b> Other Antineoplastic <b>M</b> Monoclonal Antibody
No change	<b>R</b> Spinal Canal	<b>3</b> Percutaneous	<b>2</b> Anti-infective	<b>8</b> Oxazolidinones <b>9</b> Other Anti-infective

No change	<b>R</b> Spinal Canal	<b>3</b> Percutaneous	<b>3</b> Anti-inflammatory <b>6</b> Nutritional Substance <b>7</b> Electrolytic and Water Balance Substance <b>A</b> Stem Cells, Embryonic <b>B</b> Local Anesthetic <b>C</b> Regional Anesthetic <b>H</b> Radioactive Substance <b>K</b> Other Diagnostic Substance <b>N</b> Analgesics, Hypnotics, Sedatives <b>T</b> Destructive Agent	<b>Z</b> No Qualifier
No change	<b>R</b> Spinal Canal	<b>3</b> Percutaneous	<b>E</b> Stem Cells, Somatic	<b>0</b> Autologous <b>1</b> Nonautologous
No change	<b>R</b> Spinal Canal	<b>3</b> Percutaneous	<b>G</b> Other Therapeutic Substance	<b>C</b> Other Substance
No change	<b>R</b> Spinal Canal	<b>3</b> Percutaneous	<b>S</b> Gas	<b>F</b> Other Gas
No change	<b>R</b> Spinal Canal	<b>7</b> Via Natural or Artificial Opening	<b>S</b> Gas	<b>F</b> Other Gas
No change	<b>S</b> Epidural Space	<b>3</b> Percutaneous	<b>0</b> Antineoplastic	<b>2</b> High-dose Interleukin-2 <b>3</b> Low-dose Interleukin-2 <b>4</b> Liquid Brachytherapy Radioisotope <b>5</b> Other Antineoplastic <b>M</b> Monoclonal Antibody
No change	<b>S</b> Epidural Space	<b>3</b> Percutaneous	<b>2</b> Anti-infective	<b>8</b> Oxazolidinones <b>9</b> Other Anti-infective
No change	<b>S</b> Epidural Space	<b>3</b> Percutaneous	<b>3</b> Anti-inflammatory <b>6</b> Nutritional Substance <b>7</b> Electrolytic and Water Balance Substance <b>B</b> Local Anesthetic <b>C</b> Regional Anesthetic <b>H</b> Radioactive Substance <b>K</b> Other Diagnostic Substance <b>N</b> Analgesics, Hypnotics, Sedatives <b>T</b> Destructive Agent	<b>Z</b> No Qualifier
No change	<b>S</b> Epidural Space	<b>3</b> Percutaneous	<b>G</b> Other Therapeutic Substance	<b>C</b> Other Substance
No change	<b>S</b> Epidural Space	<b>3</b> Percutaneous	<b>S</b> Gas	<b>F</b> Other Gas
No change	<b>S</b> Epidural Space	<b>7</b> Via Natural or Artificial Opening	<b>S</b> Gas	<b>F</b> Other Gas
No change	<b>T</b> Peripheral Nerves and Plexi <b>X</b> Cranial Nerves	<b>3</b> Percutaneous	<b>3</b> Anti-inflammatory <b>B</b> Local Anesthetic <b>C</b> Regional Anesthetic <b>T</b> Destructive Agent	<b>Z</b> No Qualifier
No change	<b>T</b> Peripheral Nerves and Plexi <b>X</b> Cranial Nerves	<b>3</b> Percutaneous	<b>G</b> Other Therapeutic Substance	<b>C</b> Other Substance
No change	<b>U</b> Joints	<b>0</b> Open	<b>2</b> Anti-infective	<b>8</b> Oxazolidinones <b>9</b> Other Anti-infective
No change	<b>U</b> Joints	<b>0</b> Open	<b>G</b> Other Therapeutic Substance	<b>B</b> Recombinant Bone Morphogenetic Protein
No change	<b>U</b> Joints	<b>3</b> Percutaneous	<b>0</b> Antineoplastic	<b>4</b> Liquid Brachytherapy Radioisotope <b>5</b> Other Antineoplastic <b>M</b> Monoclonal Antibody
No change	<b>U</b> Joints	<b>3</b> Percutaneous	<b>2</b> Anti-infective	<b>8</b> Oxazolidinones <b>9</b> Other Anti-infective

No change	<b>U</b> Joints	<b>3</b> Percutaneous	<b>3</b> Anti-inflammatory <b>6</b> Nutritional Substance <b>7</b> Electrolytic and Water Balance Substance <b>B</b> Local Anesthetic <b>H</b> Radioactive Substance <b>K</b> Other Diagnostic Substance <b>N</b> Analgesics, Hypnotics, Sedatives <b>T</b> Destructive Agent	<b>Z</b> No Qualifier
No change	<b>U</b> Joints	<b>3</b> Percutaneous	<b>G</b> Other Therapeutic Substance	<b>B</b> Recombinant Bone Morphogenetic Protein <b>C</b> Other Substance
No change	<b>U</b> Joints	<b>3</b> Percutaneous	<b>S</b> Gas	<b>F</b> Other Gas
No change	<b>V</b> Bones	<b>0</b> Open	<b>G</b> Other Therapeutic Substance	<b>B</b> Recombinant Bone Morphogenetic Protein
No change	<b>V</b> Bones	<b>3</b> Percutaneous	<b>0</b> Antineoplastic	<b>5</b> Other Antineoplastic <b>M</b> Monoclonal Antibody
No change	<b>V</b> Bones	<b>3</b> Percutaneous	<b>2</b> Anti-infective	<b>8</b> Oxazolidinones <b>9</b> Other Anti-infective
No change	<b>V</b> Bones	<b>3</b> Percutaneous	<b>3</b> Anti-inflammatory <b>6</b> Nutritional Substance <b>7</b> Electrolytic and Water Balance Substance <b>B</b> Local Anesthetic <b>H</b> Radioactive Substance <b>K</b> Other Diagnostic Substance <b>N</b> Analgesics, Hypnotics, Sedatives <b>T</b> Destructive Agent	<b>Z</b> No Qualifier
No change	<b>V</b> Bones	<b>3</b> Percutaneous	<b>G</b> Other Therapeutic Substance	<b>B</b> Recombinant Bone Morphogenetic Protein <b>C</b> Other Substance
No change	<b>W</b> Lymphatics	<b>3</b> Percutaneous	<b>0</b> Antineoplastic	<b>5</b> Other Antineoplastic <b>M</b> Monoclonal Antibody
No change	<b>W</b> Lymphatics	<b>3</b> Percutaneous	<b>2</b> Anti-infective	<b>8</b> Oxazolidinones <b>9</b> Other Anti-infective
No change	<b>W</b> Lymphatics	<b>3</b> Percutaneous	<b>3</b> Anti-inflammatory <b>6</b> Nutritional Substance <b>7</b> Electrolytic and Water Balance Substance <b>B</b> Local Anesthetic <b>H</b> Radioactive Substance <b>K</b> Other Diagnostic Substance <b>N</b> Analgesics, Hypnotics, Sedatives <b>T</b> Destructive Agent	<b>Z</b> No Qualifier
No change	<b>W</b> Lymphatics	<b>3</b> Percutaneous	<b>G</b> Other Therapeutic Substance	<b>C</b> Other Substance
No change	<b>Y</b> Pericardial Cavity	<b>3</b> Percutaneous	<b>0</b> Antineoplastic	<b>4</b> Liquid Brachytherapy Radioisotope <b>5</b> Other Antineoplastic <b>M</b> Monoclonal Antibody
No change	<b>Y</b> Pericardial Cavity	<b>3</b> Percutaneous	<b>2</b> Anti-infective	<b>8</b> Oxazolidinones <b>9</b> Other Anti-infective

No change	<b>Y</b> Pericardial Cavity	<b>3</b> Percutaneous	<b>3</b> Anti-inflammatory <b>6</b> Nutritional Substance <b>7</b> Electrolytic and Water Balance Substance <b>B</b> Local Anesthetic <b>H</b> Radioactive Substance <b>K</b> Other Diagnostic Substance <b>N</b> Analgesics, Hypnotics, Sedatives <b>T</b> Destructive Agent	<b>Z</b> No Qualifier
No change	<b>Y</b> Pericardial Cavity	<b>3</b> Percutaneous	<b>G</b> Other Therapeutic Substance	<b>C</b> Other Substance
No change	<b>Y</b> Pericardial Cavity	<b>3</b> Percutaneous	<b>S</b> Gas	<b>F</b> Other Gas
No change	<b>Y</b> Pericardial Cavity	<b>7</b> Via Natural or Artificial Opening	<b>0</b> Antineoplastic	<b>4</b> Liquid Brachytherapy Radioisotope <b>5</b> Other Antineoplastic <b>M</b> Monoclonal Antibody
No change	<b>Y</b> Pericardial Cavity	<b>7</b> Via Natural or Artificial Opening	<b>S</b> Gas	<b>F</b> Other Gas

# 4A1

No change	<b>Section 4</b> Measurement and Monitoring <b>Body System A</b> Physiological Systems <b>Operation 1</b> Monitoring: Determining the level of a physiological or physical function repetitively over a period of time			
Heading	<b>Body System</b>	<b>Approach</b>	<b>Function / Device</b>	<b>Qualifier</b>
No change	<b>0</b> Central Nervous	<b>0</b> Open	<b>2</b> Conductivity <b>B</b> Pressure	<b>Z</b> No Qualifier
No change	<b>0</b> Central Nervous	<b>0</b> Open	<b>4</b> Electrical Activity	<b>G</b> Intraoperative <b>Z</b> No Qualifier
No change	<b>0</b> Central Nervous	<b>3</b> Percutaneous	<b>4</b> Electrical Activity	<b>G</b> Intraoperative <b>Z</b> No Qualifier
No change	<b>0</b> Central Nervous	<b>3</b> Percutaneous	<b>B</b> Pressure <b>K</b> Temperature <b>R</b> Saturation	<b>D</b> Intracranial
No change	<b>0</b> Central Nervous	<b>7</b> Via Natural or Artificial Opening	<b>B</b> Pressure <b>K</b> Temperature <b>R</b> Saturation	<b>D</b> Intracranial
No change	<b>0</b> Central Nervous	<b>X</b> External	<b>2</b> Conductivity	<b>Z</b> No Qualifier
No change	<b>0</b> Central Nervous	<b>X</b> External	<b>4</b> Electrical Activity	<b>G</b> Intraoperative <b>Z</b> No Qualifier
No change	<b>1</b> Peripheral Nervous	<b>0</b> Open <b>3</b> Percutaneous <b>X</b> External	<b>2</b> Conductivity	<b>9</b> Sensory <b>B</b> Motor
No change	<b>1</b> Peripheral Nervous	<b>0</b> Open <b>3</b> Percutaneous <b>X</b> External	<b>4</b> Electrical Activity	<b>G</b> Intraoperative <b>Z</b> No Qualifier
No change	<b>2</b> Cardiac	<b>0</b> Open <b>3</b> Percutaneous	<b>4</b> Electrical Activity <b>9</b> Output <b>C</b> Rate <b>F</b> Rhythm <b>H</b> Sound	<b>Z</b> No Qualifier
No change	<b>2</b> Cardiac	<b>X</b> External	<b>4</b> Electrical Activity	<b>5</b> Ambulatory <b>Z</b> No Qualifier
No change	<b>2</b> Cardiac	<b>X</b> External	<b>9</b> Output <b>C</b> Rate <b>F</b> Rhythm <b>H</b> Sound	<b>Z</b> No Qualifier
No change	<b>2</b> Cardiac	<b>X</b> External	<b>M</b> Total Activity	<b>4</b> Stress
FY2017	<b>2</b> Cardiac	<b>X</b> External	<b>S</b> Vascular Perfusion	<b>H</b> Indocyanine Green Dye
No change	<b>3</b> Arterial	<b>0</b> Open <b>3</b> Percutaneous	<b>5</b> Flow <b>B</b> Pressure <b>J</b> Pulse	<b>1</b> Peripheral <b>3</b> Pulmonary <b>C</b> Coronary
No change	<b>3</b> Arterial	<b>0</b> Open <b>3</b> Percutaneous	<b>H</b> Sound <b>R</b> Saturation	<b>1</b> Peripheral
No change	<b>3</b> Arterial	<b>X</b> External	<b>5</b> Flow <b>B</b> Pressure <b>H</b> Sound <b>J</b> Pulse <b>R</b> Saturation	<b>1</b> Peripheral
No change	<b>4</b> Venous	<b>0</b> Open <b>3</b> Percutaneous	<b>5</b> Flow <b>B</b> Pressure <b>J</b> Pulse	<b>0</b> Central <b>1</b> Peripheral <b>2</b> Portal <b>3</b> Pulmonary
No change	<b>4</b> Venous	<b>0</b> Open <b>3</b> Percutaneous	<b>R</b> Saturation	<b>0</b> Central <b>2</b> Portal <b>3</b> Pulmonary

No change	<b>4 Venous</b>	<b>X External</b>	<b>5 Flow</b> <b>B Pressure</b> <b>J Pulse</b>	<b>1 Peripheral</b>
No change	<b>6 Lymphatic</b>	<b>0 Open</b> <b>3 Percutaneous</b>	<b>5 Flow</b> <b>B Pressure</b>	<b>Z No Qualifier</b>
No change	<b>9 Respiratory</b>	<b>7 Via Natural or Artificial Opening</b> <b>X External</b>	<b>1 Capacity</b> <b>5 Flow</b> <b>C Rate</b> <b>D Resistance</b> <b>L Volume</b>	<b>Z No Qualifier</b>
No change	<b>B Gastrointestinal</b>	<b>7 Via Natural or Artificial Opening</b> <b>8 Via Natural or Artificial Opening Endoscopic</b>	<b>8 Motility</b> <b>B Pressure</b> <b>G Secretion</b>	<b>Z No Qualifier</b>
FY2017	<b>B Gastrointestinal</b>	<b>X External</b>	<b>S Vascular Perfusion</b>	<b>H Indocyanine Green Dye</b>
No change	<b>D Urinary</b>	<b>7 Via Natural or Artificial Opening</b>	<b>3 Contractility</b> <b>5 Flow</b> <b>B Pressure</b> <b>D Resistance</b> <b>L Volume</b>	<b>Z No Qualifier</b>
FY2017	<b>G Skin and Breast</b>	<b>X External</b>	<b>S Vascular Perfusion</b>	<b>H Indocyanine Green Dye</b>
No change	<b>H Products of Conception, Cardiac</b>	<b>7 Via Natural or Artificial Opening</b> <b>8 Via Natural or Artificial Opening Endoscopic</b> <b>X External</b>	<b>4 Electrical Activity</b> <b>C Rate</b> <b>F Rhythm</b> <b>H Sound</b>	<b>Z No Qualifier</b>
No change	<b>J Products of Conception, Nervous</b>	<b>7 Via Natural or Artificial Opening</b> <b>8 Via Natural or Artificial Opening Endoscopic</b> <b>X External</b>	<b>2 Conductivity</b> <b>4 Electrical Activity</b> <b>B Pressure</b>	<b>Z No Qualifier</b>
No change	<b>Z None</b>	<b>7 Via Natural or Artificial Opening</b>	<b>K Temperature</b>	<b>Z No Qualifier</b>
No change	<b>Z None</b>	<b>X External</b>	<b>K Temperature</b> <b>Q Sleep</b>	<b>Z No Qualifier</b>



## 6AB

FY2017	<i>Section</i> <b>6</b> Extracorporeal Therapies			
	<i>Body System</i> <b>A</b> Physiological Systems			
	<i>Operation</i> <b>B</b> Perfusion: Extracorporeal treatment by diffusion of therapeutic fluid			
Heading	<i>Body System</i>	<i>Duration</i>	<i>Qualifier</i>	<i>Qualifier</i>
FY2017	<b>5</b> Circulatory <b>B</b> Respiratory System <b>F</b> Hepatobiliary System and Pancreas <b>T</b> Urinary System	<b>0</b> Single	<b>B</b> Donor Organ	<b>Z</b> No Qualifier

## X2A

FY2017	<i>Section</i>	<b>X</b>	New Technology	
	<i>Body System</i>	<b>2</b>	Cardiovascular System	
	<i>Operation</i>	<b>A</b>	Assistance : Taking over a portion of a physiological function by extracorporeal means	
Heading	<i>Body Part</i>		<i>Approach</i>	<i>Device / Substance / Technology</i>
FY2017	<b>5</b> Innominate Artery and Left Common Carotid Artery		<b>3</b> Percutaneous	<b>1</b> Cerebral Embolic Filtration, Dual Filter
				<b>2</b> New Technology Group 2

## X2C

No change	<b>Section</b> <b>X</b> New Technology			
	<b>Body System</b> <b>2</b> Cardiovascular System			
	<b>Operation</b> <b>C</b> Extirpation: Taking or cutting out solid matter from a body part			
Heading	<b>Body Part</b>	<b>Approach</b>	<b>Device / Substance / Technology</b>	<b>Qualifier</b>
Revise from	<b>0</b> Coronary Artery, One Site <b>1</b> Coronary Artery, Two Sites <b>2</b> Coronary Artery, Three Sites <b>3</b> Coronary Artery, Four or More Sites	<b>3</b> Percutaneous	<b>6</b> Orbital Atherectomy Technology	<b>1</b> New Technology Group 1
Revise to	<b>0</b> Coronary Artery, One Artery <b>1</b> Coronary Artery, Two Arteries <b>2</b> Coronary Artery, Three Arteries <b>3</b> Coronary Artery, Four or More Arteries	<b>3</b> Percutaneous	<b>6</b> Orbital Atherectomy Technology	<b>1</b> New Technology Group 1

## X2R

FY2017	<i>Section</i>	<b>X</b>	New Technology	
	<i>Body System</i>	<b>2</b>	Cardiovascular System	
	<i>Operation</i>	<b>R</b>	Replacement: Putting in or on biological or synthetic material that physically takes the place and/or function of all or a portion of a body part	
Heading	<i>Body Part</i>		<i>Approach</i>	<i>Device / Substance / Technology</i>
FY2017	<b>F</b> Aortic Valve		<b>0</b> Open <b>3</b> Percutaneous <b>4</b> Percutaneous Endoscopic	<b>3</b> Zooplastic Tissue, Rapid Deployment Technique
				<b>2</b> New Technology Group 2

# XHR

FY2017	<i>Section</i>	<b>X</b>	New Technology		
	<i>Body System</i>	<b>H</b>	Skin, Subcutaneous Tissue, Fascia and Breast		
	<i>Operation</i>	<b>R</b>	Replacement: Putting in or on biological or synthetic material that physically takes the place and/or function of all or a portion of a body part		
Heading	<i>Body Part</i>		<i>Approach</i>	<i>Device / Substance / Technology</i>	<i>Qualifier</i>
FY2017	<b>P</b> Skin		<b>X</b> External	<b>L</b> Skin Substitute, Porcine Liver Derived	<b>2</b> New Technology Group 2

# XNS

FY2017	<i>Section</i>	<b>X</b>	New Technology	
	<i>Body System</i>	<b>N</b>	Bones	
	<i>Operation</i>	<b>S</b>	Reposition: Moving to its normal location, or other suitable location, all or a portion of a body part	
Heading	<i>Body Part</i>		<i>Approach</i>	<i>Device / Substance / Technology</i>
FY2017	<b>0</b> Lumbar Vertebra		<b>0</b> Open	<b>3</b> Magnetically Controlled Growth Rod(s)
	<b>3</b> Cervical Vertebra		<b>4</b> Percutaneous	
	<b>4</b> Thoracic Vertebra		Endoscopic	
				<b>2</b> New Technology Group 2

# XRG

FY2017	<i>Section</i>	<b>X</b>	New Technology	
	<i>Body System</i>	<b>R</b>	Joints	
	<i>Operation</i>	<b>G</b>	Fusion: Joining together portions of an articular body part rendering the articular body part immobile	
Heading	<i>Body Part</i>	<i>Approach</i>	<i>Device / Substance / Technology</i>	<i>Qualifier</i>
FY2017	<b>0</b> Occipital-cervical Joint <b>1</b> Cervical Vertebral Joint <b>2</b> Cervical Vertebral Joints, 2 or more <b>4</b> Cervicothoracic Vertebral Joint <b>6</b> Thoracic Vertebral Joint <b>7</b> Thoracic Vertebral Joints, 2 to 7 <b>8</b> Thoracic Vertebral Joints, 8 or more <b>A</b> Thoracolumbar Vertebral Joint <b>B</b> Lumbar Vertebral Joint <b>C</b> Lumbar Vertebral Joints, 2 or more <b>D</b> Lumbosacral Joint	<b>0</b> Open	<b>9</b> Interbody Fusion Device, Nanotextured Surface	<b>2</b> New Technology Group 2

# XW0

No change	<i>Section</i>	<b>X</b>	New Technology	
	<i>Body System</i>	<b>W</b>	Anatomical Regions	
	<i>Operation</i>	<b>0</b>	Introduction: Putting in or on a therapeutic, diagnostic, nutritional, physiological, or prophylactic substance except blood or blood products	
Heading	<i>Body Part</i>	<i>Approach</i>	<i>Device / Substance / Technology</i>	<i>Qualifier</i>
FY2017	<b>3</b> Peripheral Vein	<b>3</b> Percutaneous	<b>2</b> Ceftazidime-Avibactam Anti-infective <b>3</b> Idarucizumab, Dabigatran Reversal Agent <b>4</b> Isavuconazole Anti-infective <b>5</b> Blinatumomab Antineoplastic Immunotherapy	<b>1</b> New Technology Group 1
FY2017	<b>3</b> Peripheral Vein	<b>3</b> Percutaneous	<b>7</b> Andexanet Alfa, Factor Xa Inhibitor Reversal Agent <b>9</b> Defibrotide Sodium Anticoagulant	<b>2</b> New Technology Group 2
FY2017	<b>4</b> Central Vein	<b>3</b> Percutaneous	<b>2</b> Ceftazidime-Avibactam Anti-infective <b>3</b> Idarucizumab, Dabigatran Reversal Agent <b>4</b> Isavuconazole Anti-infective <b>5</b> Blinatumomab Antineoplastic Immunotherapy	<b>1</b> New Technology Group 1
FY2017	<b>4</b> Central Vein	<b>3</b> Percutaneous	<b>7</b> Andexanet Alfa, Factor Xa Inhibitor Reversal Agent <b>9</b> Defibrotide Sodium Anticoagulant	<b>2</b> New Technology Group 2
FY2017	<b>D</b> Mouth and Pharynx	<b>X</b> External	<b>8</b> Uridine Triacetate	<b>2</b> New Technology Group 2