

Table E1. Fields from Provider Utilization and Payment Data Physician and Other Supplier Public Use Files (POSPUF) Used in the Study

POSPUF Database Field	Explanation
NPI	National Provider Identifier
NPPES_PROVIDER_GENDER	Provider Gender
NPPES_ENTITY_CODE	Individual or Organization
NPPES_PROVIDER_STATE	State Where the Provider is Located
PROVIDER_TYPE	Provider Specialty (eg, Radiology, Cardiology)
PLACE_OF_SERVICE	Facility or non-Facility (eg, Hospital, Office)
HCPCS_CODE	Healthcare Common Procedure Coding System
LINE_SRVC_CNT	Number of Services Provided
AVERAGE_MEDICARE_ALLOWED_AMT	Average Medicare Allowed Amount for the Service

Table E2. Healthcare Common Procedure Coding System (HCPCS) Codes Used to Identify Cardiovascular MRI

HCPCS Code	Explanation
75557	Cardiac magnetic resonance imaging for morphology and function without contrast material
75559	Cardiac magnetic resonance imaging for morphology and function without contrast material; with stress imaging
75561	Cardiac magnetic resonance imaging for morphology and function without contrast material(s) followed by contrast material(s) and further sequences
75563	Cardiac magnetic resonance imaging for morphology and function without contrast material(s), followed by contrast material(s) and further sequences; with stress imaging
+75565	Cardiac magnetic resonance imaging for velocity flow mapping; add on code

Table E3. Healthcare Common Procedure Coding System (HCPCS) Codes Used to Identify Cardiovascular CT

HCPCS Code	Explanation
75571	Computed tomography, heart, without contrast material, with quantitative evaluation of coronary calcium
75572	Computed tomography, heart, with contrast material, for evaluation of cardiac structure and morphology (including 3D image postprocessing, assessment of cardiac function, and evaluation of venous structures, if performed)
75573	Computed tomography, heart, with contrast material, for evaluation of cardiac structure and morphology in the setting of congenital heart disease (including 3D image postprocessing, assessment of LV cardiac function, RV structure and function, and evaluation of venous structures, if performed)
75574	Computed tomographic angiography, heart, coronary arteries and bypass grafts (when present), with contrast material, including 3D image postprocessing (including evaluation of cardiac structure and morphology, assessment of cardiac function, and evaluation of venous structures, if performed)

Table E4. Cardiovascular MRI Hospital Outpatient Prospective Payment System (HOPPS) Yearly Percentage Technical Payment Change, 2017–2020

	MRI of the heart without contrast material (75557)	MRI of the heart with stress imaging without contrast material (75559)	MRI of the heart before and after contrast material (75561)	MRI of the heart with stress imaging without contrast material (75563)
2017	-17.4%	-48.8%	-6.2%	-40.8%
2018	8.6%	8.6%	7.0%	3.8%
2019	-6.0%	102.9%	-15.4%	1.5%
2020	1.1%	-3.2%	-1.1%	-1.6%

Table E5. Cardiovascular CT Hospital Outpatient Prospective Payment System (HOPPS) Yearly Percentage Technical Payment Change, 2017–2020

	CT examination of heart with evaluation of blood vessel calcium (75571)	CT examination of heart structure with contrast material (75572)	CT examination of heart with contrast material in the setting of congenital heart disease (75573)	CT examination of heart blood vessels and grafts with contrast material (75574)
2017	371.3%	11.9%	11.9%	11.9%
2018	3.8%	-4.6%	-4.6%	-4.6%
2019	0.3%	-20.2%	-20.2%	-20.2%
2020	30.5%	-9.7%	-9.7%	-9.7%