
2018 New Endovascular Repair CPT* Codes

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EVAR or EVR?

- Previously we called these **“EVAR”** for **EndoVascular Aneurysm Repair**
- The new codes are reportable for a limited number of additional diagnoses, thus **“EVR”** for **EndoVascular Repair**.
- See formal CPT descriptors on slides 28-47 for exact reporting details. Also, please read Introductory Material for these codes in the 2018 CPT manual.

New EVR Codes for 2018

- **Entire old EVAR family has been deleted**
- **In the new EVR family:**
 - Main codes are based on anatomy instead of device type
 - Whole new family of EVR for ruptured AAAs
 - New code for enhanced fixation (e.g. endostaple)
 - New code for Pre-Close
 - Open exposure codes are now add-ons

These Codes are Gone!

- 34800 EVAR with aorto-aortic tube
- 34802 EVAR with 2-piece modular endograft
- 34803 EVAR with 3-piece modular endograft
- 34804 EVAR with bifurcated unibody endograft
- 34805 EVAR aorto-uni-iliac
- 34825 Proximal or distal extension, 1st vessel
- 34826 Extension in additional vessel
- 34900 Endovascular iliac aneurysm repair

These Codes are also Gone!

75952 Radiologic S&I for EVAR

75953 Radiologic S&I for first vessel extension

75954 Radiologic S&I for endovascular iliac

Main Endograft Codes

Procedure	Elective Code	Ruptured Code
Aorto-Aortic tube	34701	34702
Aorto-Uni-Iliac	34703	34704
Aorto-Bi-Iliac	34705	34706
Unilateral Iliac tube	34707	34708

Extensions

Procedure	Code
Extension during original operation	34709
Extension during separate subsequent operation	34710
Extension in additional vessel at original or subsequent operation	34711

- ✓ Extension at original operation can be reported only if it covers a renal proximally, or if it crosses the iliac bifurcation distally.

Endo-Anchor & Pre-Close

Procedure	Code
Transcatheter Fixation Device	34712
Percutaneous Closure Device – 12 French or larger - unilateral	34713

- ✓ 34712 is a 90-day global code. Use it as an independent procedure or during initial operation.
- ✓ Use “Units of 2” if you perform Pre-Close bilaterally.

Open Exposures & Conduits

Procedure	Code
Open femoral exposure	34812
Open femoral exposure with conduit	34714
Open iliac exposure	34820
Open iliac exposure with conduit	34833
Open brachial exposure	34834
Open axillary or subclavian exposure	34715
Open axillary or subclavian exposure with conduit	34716

- ✓ These are all “add-on” codes.
- ✓ Use “Units of 2” if you perform bilaterally.
- ✓ Confusing in that some are “347xx” and some are “348xx”

Slides 11-20 use simplified,
unofficial descriptors.

Formal CPT descriptors are
on slides 28-47.

Aorto-aortic tube

34701 Endovascular repair with aorto-aortic endograft. Procedure includes:

- Pre-procedure sizing and device selection
- All nonselective catheterizations
- All associated radiological supervision and interpretation
- All extensions placed from lowest renal to aortic bifurcation
- All angioplasty/stenting performed in aorta
- Use for elective AAA, pseudoaneurysm, dissection, penetrating ulcer.

34702 Endovascular aorto-aortic endograft for rupture, includes balloon occlusion of aorta, if performed.

Aorto-Uni-Iliac

34703 Endovascular repair with Aorto-uni-iliac endograft. Includes:

- Pre-procedure sizing and device selection
- All nonselective catheterizations
- All associated radiological S&I
- All endograft extensions from renals to iliac bifurcation
- All angioplasty/stenting from renals to iliac bifurcation
- Use for elective AAA, pseudoaneurym, dissection, penetrating ulcer

34704 Aorto-uni-iliac endograft for rupture. Includes temporary aortic balloon occlusion, if performed.

Aorto-Bi-Iliac

34705 Aorto-bi-iliac endograft. Includes:

- Pre-procedure sizing and device selection
- All nonselective catheterizations
- All associated radiological S&I
- All extensions from renals to the iliac bifurcations
- All angioplasty/stenting from renals to iliac bifurcations
- Use for elective AAA, pseudoaneurysm, dissection, penetrating ulcer

34706 Aorto-bi-iliac endograft for rupture.

Includes temporary balloon occlusion of aorta, if performed.

Iliac Unilateral

34707 Endovascular ilio-iliac tube. Includes:

- All pre-procedure sizing and device selection
- All nonselective catheterizations
- All radiological S&I
- All extensions from aortic bifurcation to iliac bifurcation
- All angioplasty/stenting in treatment zone
- Use for elective iliac aneurysm, pseudoaneurysm, dissection, AVM.

34708 Endovascular ilio-iliac tube for rupture

- Includes temporary aortic and/or iliac balloon occlusion, if performed
- Use for ruptured iliac aneurysm, pseudoaneurysm dissection, AVM, traumatic disruption

Extension at Original Operation

- 34709** Extension distal to the common iliac or proximal to the renals. Procedure includes:
- All pre-procedure sizing and device selection
 - All nonselective catheterizations
 - All associated radiological S&I
 - Treatment zone angioplasty/stenting
 - For initial vessel treated

+34711 each additional vessel treated with an extension.

The “+” sign indicates an “add-on” code.

Extension at Separate Operation

34710 Delayed distal or proximal extension.

Procedure includes:

- Pre-procedure sizing and device selection
- All nonselective catheterizations
- All associated radiological S&I
- Treatment zone angioplasty/stenting
- For initial vessel treated

+34711 each additional vessel treated

The “+” sign indicates an add-on code.

Endoanchor

34712 Transcatheter delivery of enhanced fixation device(s) to the endograft (eg, anchor, screw, tack) and all associated radiological supervision & interpretation

Percutaneous Arterial Access

+34713 Percutaneous access and closure of femoral artery for delivery of endograft through a large sheath (12 French or larger), including ultrasound guidance, when performed, unilateral.

The “+” sign indicates an add-on code.

Open Arterial Access

+34812 Open femoral artery exposure for delivery of endovascular prosthesis, by groin incision, unilateral

+34714 Open femoral artery exposure with creation of conduit for delivery of endovascular prosthesis or for cardiopulmonary bypass, by groin incision

+34820 Open iliac artery exposure for delivery of endovascular prosthesis or iliac occlusion during endovascular therapy, by abdominal or retroperitoneal incision, unilateral

+34833 Open iliac artery exposure with conduit

The “+” sign indicates these are all add-on codes.

Open Arterial Access

- +34834** Open brachial artery exposure for delivery of endovascular prosthesis, unilateral
- +34715** Open axillary/subclavian artery exposure for delivery of endovascular prosthesis by infraclavicular or supraclavicular incision, unilateral
- +34716** Open axillary/subclavian artery exposure with creation of conduit for delivery of endovascular prosthesis or for establishment of cardiopulmonary bypass, by infraclavicular or supraclavicular incision, unilateral

The “+” sign indicates these are all add-on codes.

Work RVUs

Work RVUs of Primary EVR Codes

CPT Code	Description	SVS Rec RVU	RUC Rec RVU	CMS Final
34701	Elective Aorto-Aortic EVR	25.00	23.71	23.71
34702	Ruptured Aorto-Aortic EVR	39.69	36.00	36.00
34703	Elective Aorto-Uni-Iliac EVR	30.25	26.52	26.52
34704	Ruptured Aorto-Uni-Iliac EVR	47.00	45.00	45.00
34705	Elective Aorto-Bi-Iliac EVR	32.28	29.58	29.58
34706	Ruptured Aorto-Bi-Iliac EVR	50.00	45.00	45.00
34707	Elective Iliac EVR	24.00	22.28	22.28
34708	Ruptured Iliac EVR	36.50	36.50	36.50

Work RVUs of Extensions & Anchor

CPT Code	Description	SVS Rec RVU	RUC Rec RVU	CMS Final RVU
+34709	Placement of extension at initial procedure	6.50	6.50	6.50
34710	Delayed placement of extension prosthesis	17.00	15.00	15.00
+34711	Placement of extension at initial procedure	6.00	6.00	6.00
34712	Enhanced fixation device	14.00	12.00	12.00

- ✓ “+” sign indicates add-on code
- ✓ Add-on codes are not subject to multiple procedure payment reduction. They get full RVU payment as in table.
- ✓ Report “2 units” if you perform bilateral add-on codes.

Work RVUs of Open Access Codes

CPT Code	Description	SVS Rec RVU	RUC Rec RVU	CMS Final RVU
+34713	Percutaneous access and closure	2.50	2.50	2.50
+34812	Open femoral exposure	4.13	4.13	4.13
+34714	Open femoral exposure with conduit	6.13	5.25	5.25
+34820	Open iliac exposure	7.00	7.00	7.00
+34833	Open iliac exposure with conduit	9.00	8.16	8.16
+34834	Open brachial exposure	2.65	2.65	2.65
+34715	Open axillary/subclavian exposure	6.00	6.00	6.00
+34716	Open axillary/subclavian exposure with conduit	8.00	7.19	7.19

- ✓ These are all add-on codes.
- ✓ Report “2 units” if you perform bilateral.

Gains & Losses

- Gains:
 - New codes for ruptured aneurysm repair
 - New code for enhanced fixation
 - All access codes are now add-on codes
 - New code for percutaneous access
 - New codes for alternative access options
- Losses:
 - Catheterization is now bundled
 - Radiographic S&I is now bundled
 - All extensions between renals and iliac bifurcations are bundled during original operation.

Financial Impact

- Reimbursement impact will vary based on your practice patterns:
 - Gains for providers who predominantly use percutaneous access
 - Large gains for those who repair ruptured AAAs
 - Losses for those who use many extensions

2018 New EVR Codes with complete formal CPT Descriptors

34701

Endovascular repair of infrarenal aorta by deployment of an aorto-aortic tube endograft including pre-procedure sizing and device selection, all nonselective catheterization(s), all associated radiological supervision and interpretation, all endograft extension(s) placed in the aorta from the level of the renal arteries to the aortic bifurcation, and all angioplasty/stenting performed from the level of the renal arteries to the aortic bifurcation; for other than rupture (eg, for aneurysm, pseudoaneurysm, dissection, penetrating ulcer)

34702

Endovascular repair of infrarenal aorta by deployment of an aorto-aortic tube endograft including pre-procedure sizing and device selection, all nonselective catheterization(s), all associated radiological supervision and interpretation, all endograft extension(s) placed in the aorta from the level of the renal arteries to the aortic bifurcation, and all angioplasty/stenting performed from the level of the renal arteries to the aortic bifurcation; for rupture including temporary aortic and/or iliac balloon occlusion when performed (eg, for aneurysm, pseudoaneurysm, dissection, penetrating ulcer, traumatic disruption)

34703

Endovascular repair of infrarenal aorta and/or iliac artery(ies) by deployment of an aorto-uniiliac endograft including pre-procedure sizing and device selection, all nonselective catheterization(s), all associated radiological supervision and interpretation, all endograft extension(s) placed in the aorta from the level of the renal arteries to the iliac bifurcation, and all angioplasty/stenting performed from the level of the renal arteries to the iliac bifurcation; for other than rupture (eg, for aneurysm, pseudoaneurysm, dissection, penetrating ulcer)

34704

Endovascular repair of infrarenal aorta and/or iliac artery(ies) by deployment of an aorto-uniiliac endograft including pre-procedure sizing and device selection, all nonselective catheterization(s), all associated radiological supervision and interpretation, all endograft extension(s) placed in the aorta from the level of the renal arteries to the iliac bifurcation, and all angioplasty/stenting performed from the level of the renal arteries to the iliac bifurcation; for rupture, including temporary aortic and/or iliac balloon occlusion when performed (eg, for aneurysm, pseudoaneurysm, dissection, penetrating ulcer, traumatic disruption)

34705

Endovascular repair of infrarenal aorta and/or iliac artery(ies) by deployment of an aorto-biiliac endograft including pre-procedure sizing and device selection, all nonselective catheterization(s), all associated radiological supervision and interpretation, all endograft extension(s) placed in the aorta from the level of the renal arteries to the iliac bifurcation, and all angioplasty/stenting performed from the level of the renal arteries to the iliac bifurcation; for other than rupture (eg, for aneurysm, pseudoaneurysm, dissection, penetrating ulcer)

34706

Endovascular repair of infrarenal aorta and/or iliac artery(ies) by deployment of an aorto-biiliac endograft including pre-procedure sizing and device selection, all nonselective catheterization(s), all associated radiological supervision and interpretation, all endograft_extension(s) placed in the aorta from the level of the renal arteries to the iliac bifurcation, and all angioplasty/stenting performed from the level of the renal arteries to the iliac bifurcation; for rupture, including temporary aortic and/or iliac balloon occlusion when performed (eg, for aneurysm, pseudoaneurysm, dissection, penetrating ulcer, traumatic disruption)

34707

Endovascular repair of iliac artery by deployment of an ilio-iliac tube endograft including pre-procedure sizing and device selection, all nonselective catheterization(s), all associated radiological supervision and interpretation, and all endograft extension(s) proximally to the aortic bifurcation and distally to the iliac bifurcation, and treatment zone angioplasty/stenting when performed, unilateral; for other than rupture (eg, for aneurysm, pseudoaneurysm, dissection, arteriovenous malformation)

34708

Endovascular repair of iliac artery by deployment of an ilio-iliac tube endograft including pre-procedure sizing and device selection, all nonselective catheterization(s), all associated radiological supervision and interpretation, and all endograft extension(s) proximally to the aortic bifurcation and distally to the iliac bifurcation, and treatment zone angioplasty/stenting when performed, unilateral; for rupture, including temporary aortic and/or iliac balloon occlusion when performed (eg, for aneurysm, pseudoaneurysm, dissection, arteriovenous malformation, traumatic disruption)

+34709

Placement of extension prosthesis(es) distal to the common iliac artery(ies) or proximal to the renal artery(ies) for endovascular repair of infrarenal abdominal aortic or iliac aneurysm, false aneurysm, dissection, penetrating ulcer, including pre-procedure sizing and device selection, all nonselective catheterization(s), all associated radiological supervision and interpretation, and treatment zone angioplasty/stenting when performed, per vessel treated (List separately in addition to code for primary procedure)

34710

Delayed placement of distal or proximal extension prosthesis for endovascular repair of infrarenal abdominal aortic or iliac aneurysm, false aneurysm, dissection, endoleak, or endograft migration, including pre-procedure sizing and device selection, all nonselective catheterization(s), all associated radiological supervision and interpretation, and treatment zone angioplasty/stenting when performed; initial vessel treated

+34711

Delayed placement of distal or proximal extension prosthesis for endovascular repair of infrarenal abdominal aortic or iliac aneurysm, false aneurysm, dissection, endoleak, or endograft migration, including pre-procedure sizing and device selection, all nonselective catheterization(s), all associated radiological supervision and interpretation, and treatment zone angioplasty/stenting when performed; each additional vessel treated (List separately in addition to code for primary procedure)

34712

Transcatheter delivery of enhanced fixation device(s) to the endograft (eg, anchor, screw, tack) and all associated radiological supervision and interpretation

+34713

Percutaneous access and closure of femoral artery for delivery of endograft through a large sheath (12 French or larger), including ultrasound guidance, when performed, unilateral (List separately in addition to code for primary procedure)

+34812

Open femoral artery exposure for delivery of endovascular prosthesis by groin incision, unilateral (List separately in addition to code for primary procedure)

+34714

Open femoral artery exposure with creation of conduit for delivery of endovascular prosthesis or for establishment of cardiopulmonary bypass, by groin incision, unilateral (List separately in addition to code for primary procedure)

+34820

Open iliac artery exposure for delivery of endovascular prosthesis or iliac occlusion by abdominal or retroperitoneal incision, unilateral (List separately in addition to code for primary procedure)

+34833

Open iliac artery exposure with creation of conduit for delivery of endovascular prosthesis or for establishment of cardiopulmonary bypass, by abdominal or retroperitoneal incision, unilateral (List separately in addition to code for primary procedure)

+34834

Open brachial artery exposure for delivery of endovascular prosthesis, unilateral (List separately in addition to code for primary procedure)

+34715

Open axillary/subclavian artery exposure for delivery of endovascular prosthesis by infraclavicular or supraclavicular incision, unilateral (List separately in addition to code for primary procedure)

+34716

Open axillary/subclavian artery exposure with creation of conduit for delivery of endovascular prosthesis or for establishment of cardiopulmonary bypass, by infraclavicular or supraclavicular incision, unilateral (List separately in addition to code for primary procedure)