

Vascular Quality Initiative®

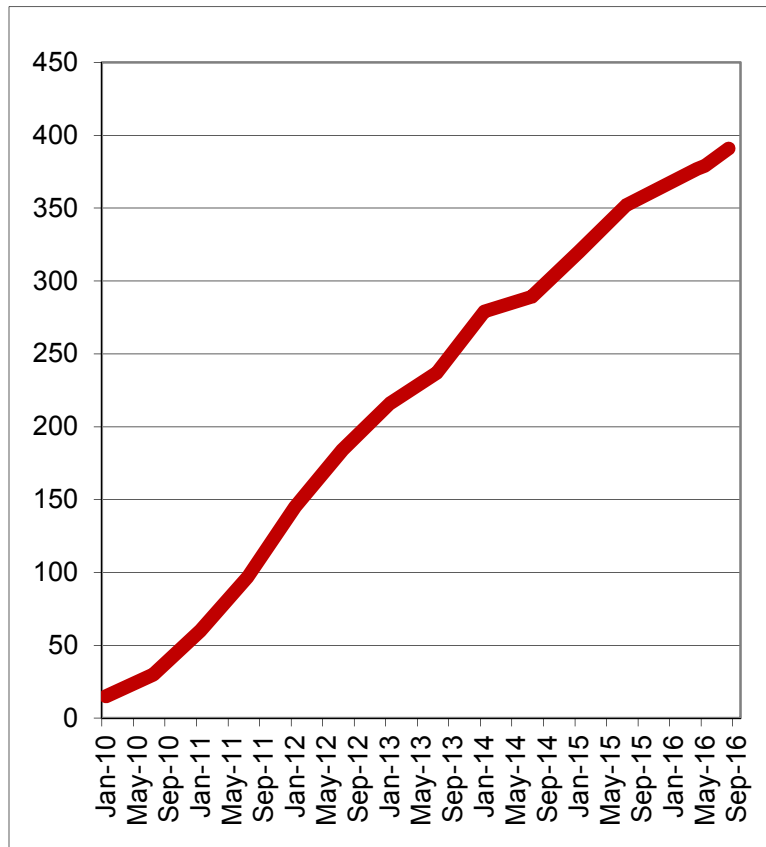
Implementing RAPID Core Data Elements: VQI PVI Registry Review

Jack L. Cronenwett, M.D.

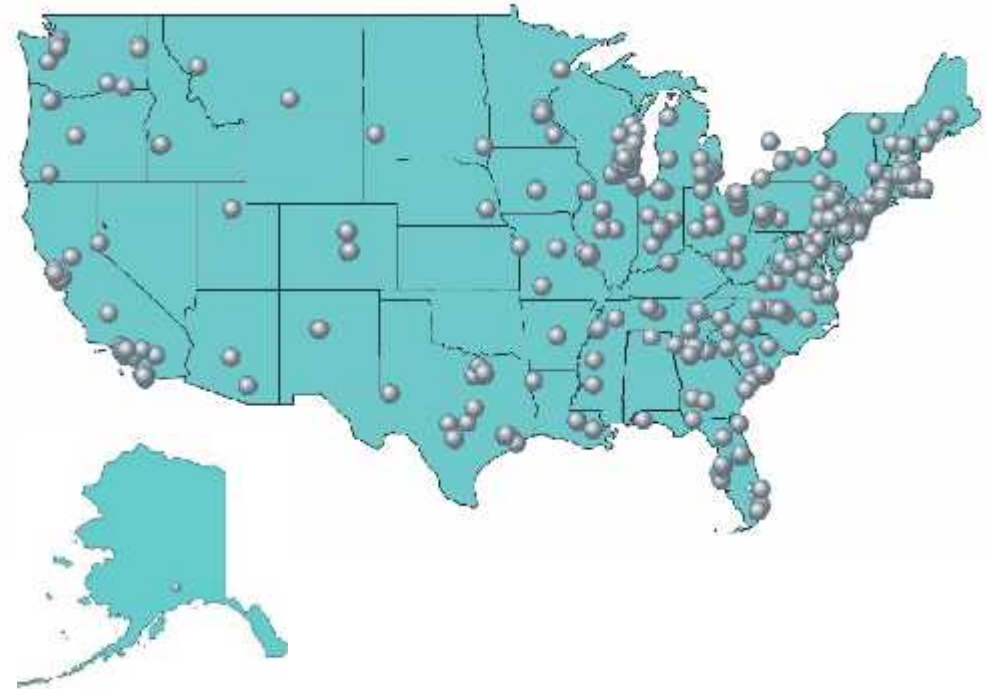


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Participating Center Growth



VQI Participating Centers



392 Centers, 46 States + Ontario



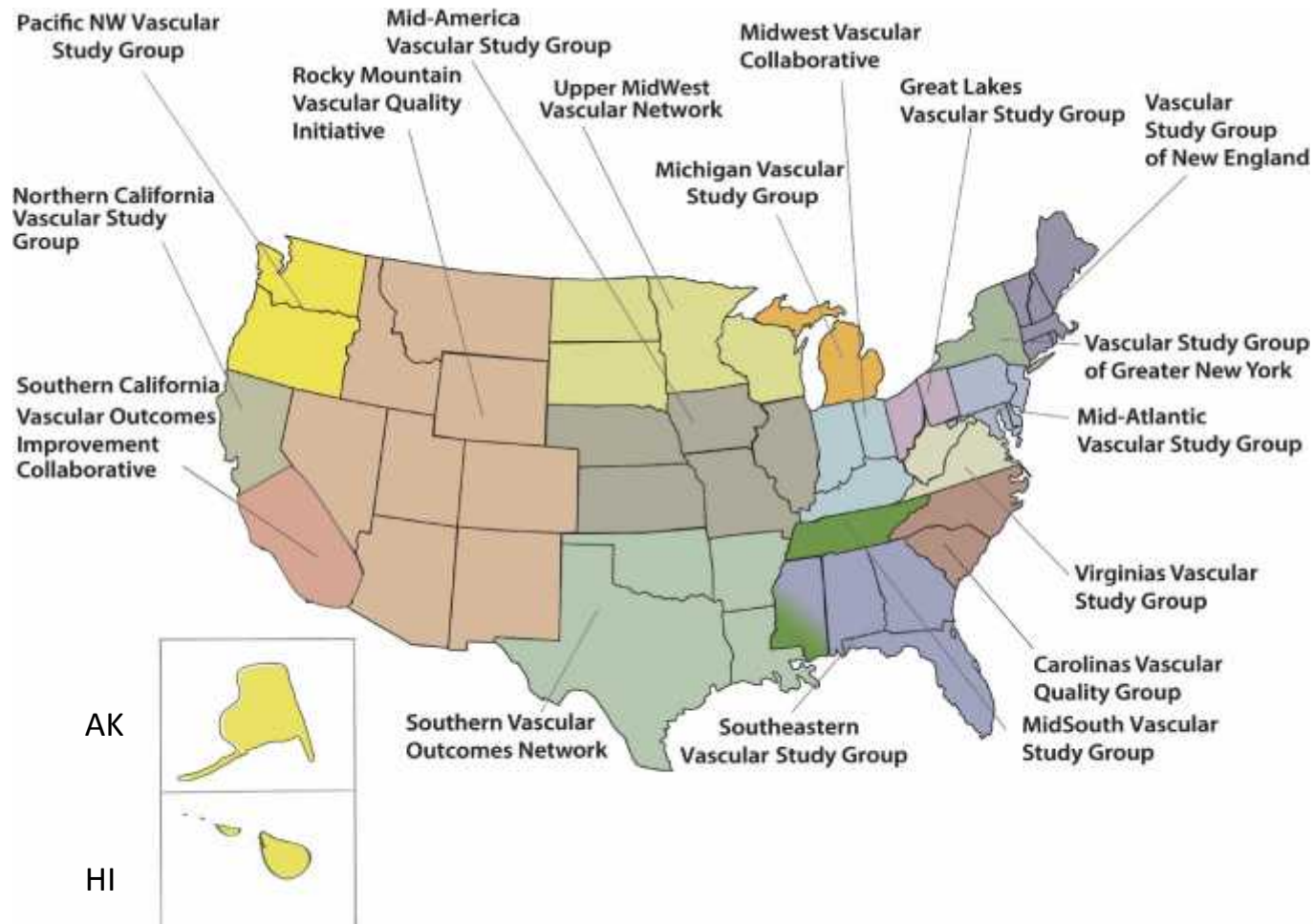
Society for Vascular Surgery



Society for Vascular Medicine

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17 Regional Quality Groups



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VQI Registries:

Carotid Artery Stent

Carotid Endarterectomy

Endovascular AAA Repair

Hemodialysis Access

Infra-Inguinal Bypass

IVC Filter

Lower Extremity Amputations

Open AAA Repair

Peripheral Vascular Intervention: 100,700 procedures

Supra-Inguinal Bypass

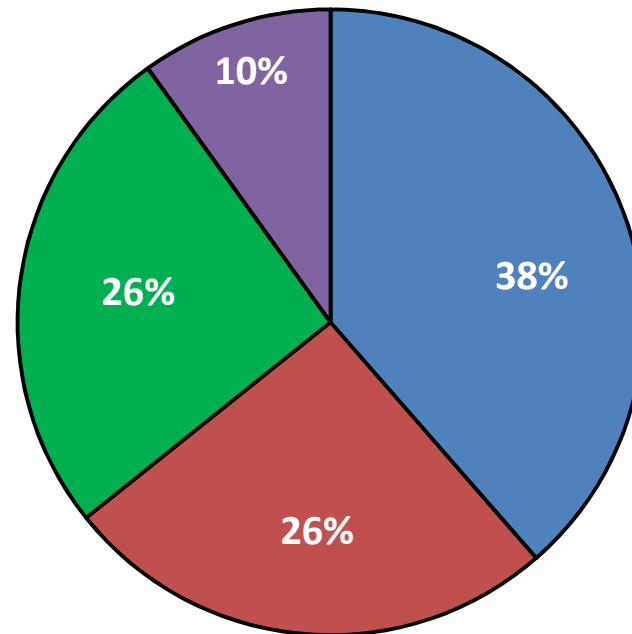
Thoracic and Complex EVAR

Varicose Vein



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PVI Participation: 2237 physicians



- Vascular Surgery
- Radiology
- Cardiology
- General Surgery

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**Plain Balloon, Special Balloon, Stent, Stent Graft,
Atherectomy, Bailout Stent, Bailout Stent Graft**



Manufacturer



By device name



Diameter and length

(free text or pulled from GUDID website)

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GUDID Integration in VQI

Three ways to enter stents/stent grafts:

1. Product number
2. Manufacturer
3. Device Identifier (GUDID)

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Procedure Variables

Procedure Information

Access

Number Access Sites

Site 1

Site

Side

Access Guidance

Largest Sheath Size

Closure Device Type

Hemostatic Skin Patch

Site 2

Site

Side

Access Guidance

Largest Sheath Size

Closure Device Type

Closure Device Successful

Procedure

Fluoro Time minutes DAP Gy.cm2 Contrast Volume ml CO2

Anticoagulant

Protamine

CIN Prophylaxis

Treatment Details

Number of Arteries Treated

Artery 1

Indication

Artery Treated

Side

Site of Prior Treatment

TASC Grade

Total Treated Length cm

Total Occlusion Length cm

Calcification

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Product Number

Artery 1

Number Treatment Types

Device 1

Treatment Type

Device 2

Treatment Type

Product Number or UDI

Manufacturer

Type

Diameter

Length

Concomitant

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Artery 1

Number Treatment Types

Device 1

Treatment Type

Product Number or UDI

Manufacturer

Type

Diameter

Length

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Manufacturer

Artery 1

Number Treatment Types ▼

Device 1

Treatment Type ▼

Product Number or UDI

Manufacturer ▼

Type ▼

Diameter ▼

Length ▼

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Device Type

Artery 1

Number Treatment Types ▼

Device 1

Treatment Type ▼

Product Number or UDI

Manufacturer ▼

Type ▼

Diameter ▼

Length ▼

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Diameter

Artery 1

Number Treatment Types

Device 1

Treatment Type

Product Number or UDI

Manufacturer

Type

Diameter

Length

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Length

Artery 1

Number Treatment Types: 1

Device 1

Treatment Type: Stent

Product Number or UDI: []

Manufacturer: Covdien LP

Type: Protege EverFlex

Diameter: 5 Millimeter

Length: 100 Millimeter

None
 Thrombolysis, Pharmacologic
 Thrombolysis, Mechanical
Concomitant Embolic Protection Device
 IVUS
 CTO Device
 Suction Thrombectomy

Final Technical Result: Select

Multiple Device Matches

There are multiple devices which match your selection. Please choose the specific device which was used for this treatment by clicking on the radio button.

[UDI: 00821684033746](#)
Description: Self-Expanding Biliary Stent System
Model or Version: PRB35-05-100-080
Catalog Number: PRB35-05-100-080
Brand: Protege EverFlex
Device Sizes:
{ "sizeType": "Outer Diameter", "size": { "unit": "Millimeter", "value": "5" }, "sizeText": null }
{ "sizeType": "Length", "size": { "unit": "Millimeter", "value": "100" }, "sizeText": null }

[UDI: 00821684034136](#)
Description: Self-Expanding Biliary Stent System
Model or Version: PRB35-05-100-120
Catalog Number: PRB35-05-100-120
Brand: Protege EverFlex
Device Sizes:
{ "sizeType": "Length", "size": { "unit": "Millimeter", "value": "100" }, "sizeText": null }
{ "sizeType": "Outer Diameter", "size": { "unit": "Millimeter", "value": "5" }, "sizeText": null }

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Auto Populates Product # and DI:

Artery 1

Number Treatment Types

Device 1

Treatment Type

Product Number or UDI

Manufacturer

Type

Diameter

Length

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DI (GUDID)

Artery 1

Number Treatment Types

Device 1

Treatment Type

Product Number or UDI

Manufacturer	SME-200P-10080 UDI:04953170270666
Type	BD0812 UDI:08809233102008
Diameter	BD1008 UDI:08809233102077
Length	EV06181CD UDI:00801741000652
	EV06182CD UDI:00801741000669
	EV06261CD UDI:00801741000676
	EV06262CD UDI:00801741000683
	EV06361CD UDI:00801741000690
	EV06362CD UDI:00801741000706
	EV07181CD UDI:00801741000713
	EV07182CD UDI:00801741000720

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Artery 1

Number Treatment Types ▼

Device 1

Treatment Type ▼

Product Number or UDI

Manufacturer ▼

Type Balloon Expandable Biliary Stent ▼

 Diameter ▼

Length ▼

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GUDID Website: Text Entry Instead of Data Field Entry

⊖ CLINICALLY RELEVANT SIZE [?]

Size Type Text
Device Size Text, specify: Delivery Catheter, Shaft Length, 120 Centimeters
Device Size Text, specify: Inner Diameter, 6 Millimeter
Device Size Text, specify: Stent Length, 18 Millimeter

Need help from manufacturers to enter all data fields, not text

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Conclusion

- VQI has a single technology vendor M2S
- Has allowed RAPID inclusion of all core data elements
- Has allowed linkage to import all device identifiers with GUDID
- Good start for RAPID Phase II