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Appendix 1. Vascular Quality Initiative tools for quality improvement

Your Center Opportunity Profile for Improvement (COPI)

Legend:	Lowest 25th percentile	Reference is for risk factors having more than 2 categories and is the comparison category for the risk factor.
	Highest 75th percentile	

Excludes patients with procedures not on same day of admission or on weekend, patients admitted from a nursing home, death within 2 days after procedure, patients with prior aortic surgery, and nonelective procedures.

EVAR: Risk factors for LOS > 2 days		% patients with risk factor		
		Odds Ratio	Your center	Your region
Patient Characteristics				
Female	1.7	13%		19%
Person of color	1.9	10%		7%
Age				
Less than 70 years	Reference			
70 to 79 years	1.2	42%		42%
80 years or above	1.8	22%		23%
COPD				
Non-COPD	Reference			
On Medication	1.3	11%		17%
On Home Oxygen	1.4	2%		4%
Procedure details				
Estimated Blood Loss				
<= 150 ml	Reference			
151 - 300 ml	1.3	23%		25%
> 300 ml	2.1	19%		14%
Procedure Time				
<= 120 minutes	Reference			
121 - 180 minutes	1.4	26%		30%
> 180 minutes	2.5	22%		19%
Complex procedure*	1.6	38%		29%

Sample Center Opportunity Profile for Improvement report (downloaded from www.vascularqualityinitiative.org/wp-content/uploads/COPI_2014_EVAR_LOS_example.pdf). Used by permission of the Society for Vascular Surgery Patient Safety Organization (SVS-PSO). Note that regional data have been omitted as per SVS-PSO requirements.

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Report Name:	Sample report of centre data
Procedure Type:	Endo AAA Repair
Medical Center:	
Report Generation Time:	
Filters Applied to Dataset:	Procedure Date is between 01/01/2014 and 11/16/2017

Procedure Variable Name	My Center Results (N=237)
Gender	
Male	87.3% (207)
Female	12.7% (30)
<i>Missing Value or N/A</i>	0.0% (0)
Hypertension	
No	25.3% (60)
Yes (\geq 140/90 or history)	74.7% (177)
<i>Missing Value or N/A</i>	0.0% (0)
Urgency	
Elective	90.3% (214)
Symptomatic	5.1% (12)
Ruptured	4.6% (11)
<i>Missing Value or N/A</i>	0.0% (0)

Sample analytics report for endovascular abdominal aortic aneurysm repair from our institution. Used by permission of the Society for Vascular Surgery Patient Safety Organization.