

Northwest Renal Network
Changes in Vascular Access Rates by QIP, July 2010 to May 2011

June 28, 2011

The table below shows changes in vascular access parameters between July 2010 and May 2011, the term of the Network's 2010-2011 QIP program. Six noteworthy comparisons are shaded and numbered. The "benchmark" to which they are compared is the aggregate characteristics of all Network facilities that were below the 66% AVF-in-use rate goal in July 2010, and which were not in any Network QIP (row 5 of the table). Veterans Administration facilities are excluded from the table.

- (1) The Declining-AVF-Rate QIP successfully increased the AVF in use rate (4.5-pt increase for QIP compared to 3.6-pt increase for benchmark).
- (2) The LTC QIP successfully reduced the LTC rate (2.6-pt reduction compared to 0.4-pt reduction for benchmark).
- (3) The AVF-Maturing QIP successfully reduced the excess AVF-maturing rate (2.8-pt reduction compared to 0.7-pt reduction for benchmark). Note that an AVF-maturing rate of at least 8-10% is recommended to compensate for patient turnover.
- (4) Facilities which meet the Network AVF-in-use goal (58% of facilities and 68% of patients at facilities that were not in a QIP) appear to attract more new patients (95% of new patients at facilities that were not in a QIP).
- (5) Facilities which meet the AVF-in-use-rate goal tend to backslide (1.6-pt decline compared to 3.6-pt gain for benchmark).
- (6) Facilities which meet the AVF-in-use-rate goal increase their AVF-maturing rate to compensate for their declining AVF-in-use rate (0.9-pt gain in AVF-maturing rate compared to 0.7-pt decline for benchmark), but not enough to maintain their AVF-in-use rate (0.9-pt gain in AVF-maturing rate compared to 1.6% decline in AVF-in-use rate).

		July 2010 to May 2011 Change in...							
QIP	Facilities (Number)	Patients	AVF in Use	% AVF in Use	AVF Maturing	%AVF Maturing	AVG in Use or in Place	LTC	%LTC
Declining % AVF in Use	21	+14	+58	+4.5 (1)	+20	-2.3	-13	-8	-0.8
Reduce Sub-Optimal Hemoglobin	7	+26	+26	+1.1	-9	-1.5	+10	+4	+0.3
Reduce Long-Term Catheters	11	-7	+16	+1.6	+20	+1.6	+4	-34	-2.6 (2)
AVF Maturation	20	+98	+120	+3.1	-40	-2.8 (3)	+14	+3	-0.2
None: <66% in July (benchmark)	37	+5	+59	+3.6	-10	-0.7	+16	-6	-0.4
None: ≥66% in July	66	+84 (4)	+8	-1.6 (5)	+37	+0.9 (6)	+54	+5	0
Network (w/o VA)	162	+220	+287	+1.5	-26	-0.4	+53	-36	-0.5