

Table 1: Process-based Quality Measure Definitions

Measure	VA Definition created by Watkins et al. 2007 data	VA Definition - 2014	HEDIS Definition - 2014
Medication laboratory tests	Proportion of patients with one or more prescriptions for lithium, valproic acid, carbamazepine, or any antipsychotic medication who received all recommended blood-level monitoring tests during study period.	Proportion of patients with one or more prescriptions for lithium, valproic acid, carbamazepine, or any antipsychotic medication who received all recommended blood-level monitoring tests during study period.	N/A
Any laboratory screening tests	Proportion of patients with evidence of any of the following laboratory screening tests during the study period: thyroid stimulating hormone, liver function panel, and chemistry panel.	Proportion of patients with evidence of any of the following laboratory screening tests during the study period: thyroid stimulating hormone, liver function panel, and chemistry panel.	N/A
Antidepressants, 12-week supply ^a	Proportion of patients in the major depressive disorder cohort who filled prescriptions for a 12-week supply of an anti-depressant in the 12 weeks following the start of a new treatment episode.	Percentage of patients with a depression diagnosis newly treated with antidepressant medication who received at least 84 days (12 weeks) of antidepressant medication through 114 days after index prescription start date.	Percentage of adults 18 years of age or older with a diagnosis of major depression who were newly treated with antidepressant medication and remained on antidepressant medication for at least 84 days (12 weeks).
Maintenance antidepressants, 6 months ^a	Proportion of patients in the major depressive disorder cohort who filled prescriptions for a 180-day supply of an antidepressant in the 180 days following the start of a new treatment episode.	Percent of patients with depression diagnosis newly treated with antidepressant medication who received at least 180 days (6 months) of antidepressant medication through 231 days after index prescription start date.	Percentage of adults 18 years of age or older with a diagnosis of major depression who were newly treated with antidepressant medication and remained on antidepressant medication for at least 180 days (6 months).

a: Data definitions used in Watkins et al. 2016 differ from those used by VA and HEDIS in 2014.

Table 2: Performance on four process-based quality measures for veteran cohort and HMO private-plan cohort

Measure	VA National Average (%), Watkins et al. (1) 2007 data	VA National Average (%), 2014 data	HEDIS (3) National Average Range or Average among Commercial, Medicaid, & Medicare HMOs (%), 2014 data
Medication laboratory tests	77.4	78.6	N/A
Any laboratory screening tests	86.9	84.5	N/A
Antidepressants, 12-week supply	49.0 ^a	72.0	52.3-68.5
Maintenance antidepressants, 6 months	31.3 ^a	56.0	37.1-54.7

a: Data definitions used in Watkins et al. 2016 differ from those used by VA and HEDIS in 2014.