

CLINICAL PERFORMANCE MEASURE (CPM) FOR ANEMIA
 BASED ON ACTUAL HEMOGLOBIN (Hb) DISTRIBUTIONS
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The National CPM for anemia (percent of patients between 11 and 12 g/dL) and % of patients with a Hb > 11 g/dL need to be re-evaluated. We used Hb data from 22,546 patients in the Renal Network's TRNDS database to develop confidence intervals around the expected percentage of patients expected at meaningful Hb values of > 13 and < 9 g/dL (Hb benchmarks). We sampled the population of 22,546 Hb values to simulate dialysis facilities of between 2 and 200 patients 10,000 times each, and determined the 95% confidence interval (CI) around the expected % of patient's Hb values outside the Hb benchmarks. Results are shown in the following table:

	Facility Size (# of patients)				
	2	15	30	50	200
Upper CI (%)	26.6	17.5	16.5	16.1	15.6
Lower CI (%)	0.0	12.0	13.8	14.5	15.2

Facilities with a % of Hb values within the above ranges for both Hb benchmarks would not be different from expected. High Hb variability would be identified as a % greater than the Upper CI for both benchmarks while low Hb variability would be a % below the Lower CI for both benchmarks. Facilities that achieved a Hb target other than the K/DOQI target range of 11-12 g/dL (11.5 g/dL) would have one benchmark greater than expected and one less than expected. This measure can be used to identify dialysis facilities that are outside expectations, is based on regional data, and can be easily modified for future needs.