

SECTION G ANAEMIA

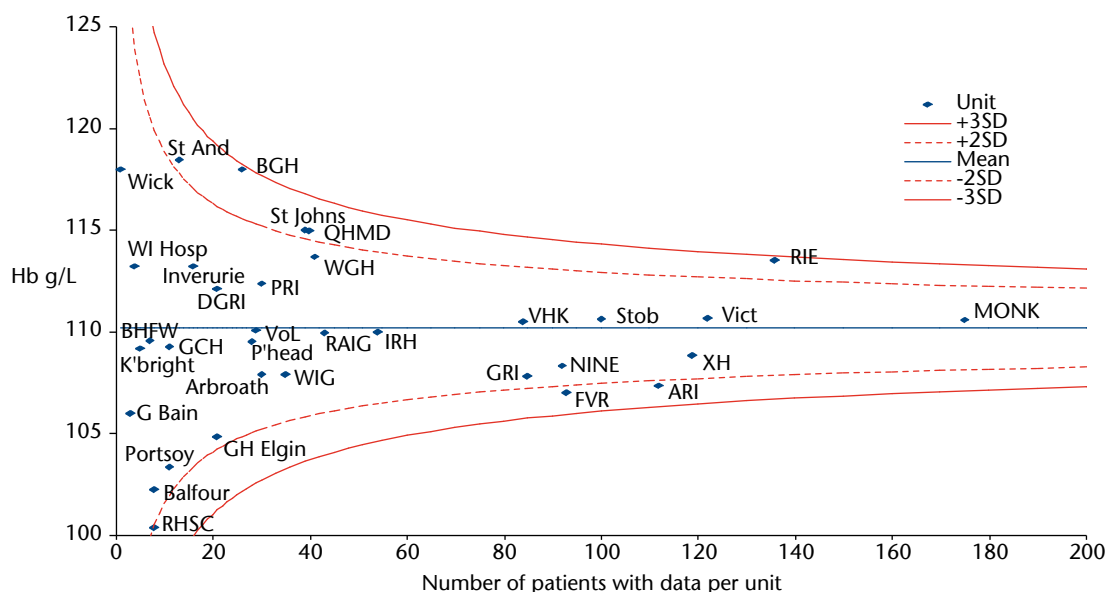
The anaemia audit was performed in May 2014; all patients in Scotland receiving hospital or home haemodialysis on 01 May 2014 were included in the audit. Results were excluded for patients who had received a recent blood transfusion. There were 1783 results from 1853 patients (96.2%).

Haemoglobin concentration (Hb) was measured in a pre-dialysis blood sample after the first short interdialytic gap of the audit week, or as soon as possible thereafter. Auditing after the short (2 day) gap is done in order to minimise the potential effect of dilution due to fluid overload.

The UK Renal Association guideline from 2010 recommends target Hb of 100-120g/L for patients receiving ESA therapy.

We have reported the mean achieved haemoglobin value by satellite unit and also the percentage of patients, by parent unit, achieving the UKRA standard.

G1 Mean Hb of HD patients in each dialysis unit May 2014



Patients with Hb >120 g/L and confirmed as not receiving ESA therapy (103 patients) are excluded from the funnel plot. All units, including the paediatric unit, lie within 3 standard deviations of the mean (110.2g/L) for the whole HD population.

G2 Number of HD patients, median Hb and achievement of audit standards by renal unit May 2014

	ARI	XH	DGRI	GLAS	MONK	NINE	RAIG	RHSC*	RIE	VHK	Scotland
Number of patients	219	137	49	594	190	173	61	9	278	143	1853
Missing data or transfused	13	2	6	23	10	8	1	1	6	0	70
% patients with Hb data	94	99	88	96	95	95	98	89	98	100	98
Median Hb all patients**	108	111	113	110	112	110	112	92	117	114	112
% patients with Hb 100-120 g/L***	58	55	72	56	64	72	84	25	57	55	60
% patients with Hb >120 g/L***	17	22	14	22	20	14	6	13	32	32	22
Upper quartile***	117	120	116	119	119	117	116	106	123	123	119
Median Hb g/L***	108	110	112	110	112	110	111	92	116	115	111
Lower quartile***	100	101	107	100	105	103	104	80	107	107	103
Range g/L***	65 - 138	79 - 138	77 - 137	69 - 147	75 - 155	66 - 135	83 - 137	70 - 176	68 - 152	71 - 136	65 - 176

* The standards set for adults are not applicable to children.

** All patients with results except those with recent blood transfusion (n=1783).

*** UKRA standard Hb 100-120 g/L on ESA therapy. Patients were excluded if there were no data, they had recently received a blood transfusion or were not receiving ESA therapy on the census date (n=1506).

Of the 1783 patients with Hb values, 1462 (78.9%) had Hb \geq 100 g/L.

Data on ESA treatment (including patients confirmed as not receiving ESA) were available for 1781 (96.1%) patients. 216 patients were not on ESA therapy and had not recently received a blood transfusion. Of these 17 (7.9%) had Hb <100 g/L, 96 (44.4%) had Hb 100-120 g/L and 103 (47.7%) had Hb >120 g/L.

Of the 1506 patients with data, not recently transfused and who were receiving treatment with ESA, 899 (59.7%) achieved the UKRA standard (Hb 100-120 g/L). Hb was <100 g/L in 276 (18.3%) patients, Hb was >120 g/L in 331 (22.0%) and 195 (12.9%) had Hb >125 g/L.