

SECTION K ANAEMIA

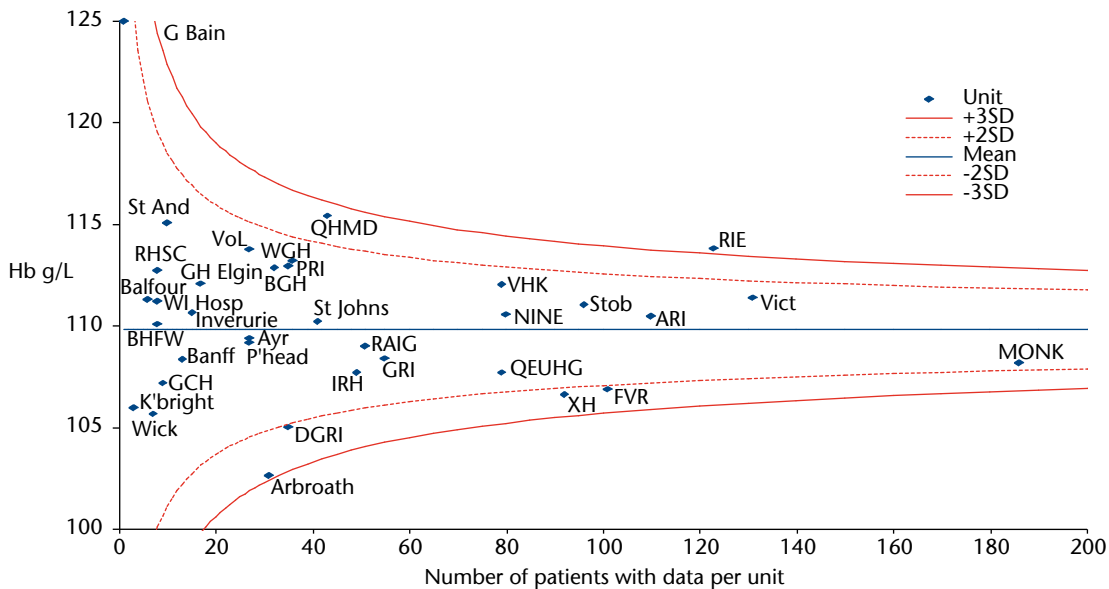
The anaemia audit was performed in May 2015; all patients in Scotland receiving hospital or home haemodialysis on 01 May 2015 were included in the audit. Results were excluded for patients who had received a recent blood transfusion. There were 1822 results from 1906 patients (95.6%).

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 November 2010 recommends a target Hb of 100-120g/L for patients with chronic kidney disease, but only for those patients receiving ESA therapy.

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

K1 Mean Hb of Hospital HD patients in each dialysis unit May 2015



Patients with Hb >120 g/L and confirmed as not receiving ESA therapy (92 patients) are excluded from the funnel plot. All units, except RIE, lie within 3 standard deviations of the mean (109.9g/L) for the whole HD population.

K2 Number of HD patients, median Hb and achievement of audit standards by renal unit May 2015											
	ARI	XH	DGRI	GLAS	MONK	NINE	RAIG	RHSC*	RIE	VHK	Scotland
Number of patients	220	144	55	608	191	181	78	9	269	150	1906
Missing data or transfused	11	12	6	21	3	11	1	1	12	7	84
% patients with Hb data	95	92	89	97	98	94	99	89	96	95	96
Median Hb all patients**	112	108	108	111	110	111	110	112	116	117	112
% patients with Hb 100-120 g/L***	61.7	63.2	69.2	55.0	52.0	64.2	69.2	50.0	47.2	51.7	56.5
% patients with Hb >120 g/L***	18.6	14.9	10.3	22.2	20.8	19.0	12.3	37.5	34.0	31.9	22.5
Upper quartile***	118	117	114	119	119	118	117	125	122	123	119
Median Hb g/L***	111	109	109	110	110	111	109	112	116	116	111
Lower quartile***	103	101	101	100	99	103	102	107	106	104	101
Range g/L***	78 - 142	77 - 133	80 - 130	62 - 162	67 - 144	75 - 135	68 - 139	86 - 130	68 - 155	78 - 142	62 - 162

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

** All patients with results except those with recent blood transfusion (n=1822).

*** 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=1553).

Of the 1822 patients with Hb values, 1449 (79.5%) had Hb \geq 100 g/L.

228 patients were not on ESA therapy and had not recently received a blood transfusion. Of the 219 with data 29 (13.2%) had Hb <100 g/L, 98 (44.8%) had Hb 100-120 g/L and 92 (42.0%) had Hb >120 g/L.

Data on ESA treatment (including patients confirmed as not receiving ESA) were available for 1848 (96.9%) patients. Using this information we were able to calculate the proportion of patients achieving the UKRA standard (Hb 100-120 g/L) receiving ESA therapy on the census date. Of the 1553 patients confirmed as receiving ESA treatment and who had with data and had not recently transfused, 877 (56.5%) achieved the UKRA standard. Hb was <100 g/L in 327 (21.0%) of patients, Hb was >120 g/L in 349 (22.5%) and 179 (11.5%) had Hb >125 g/L.