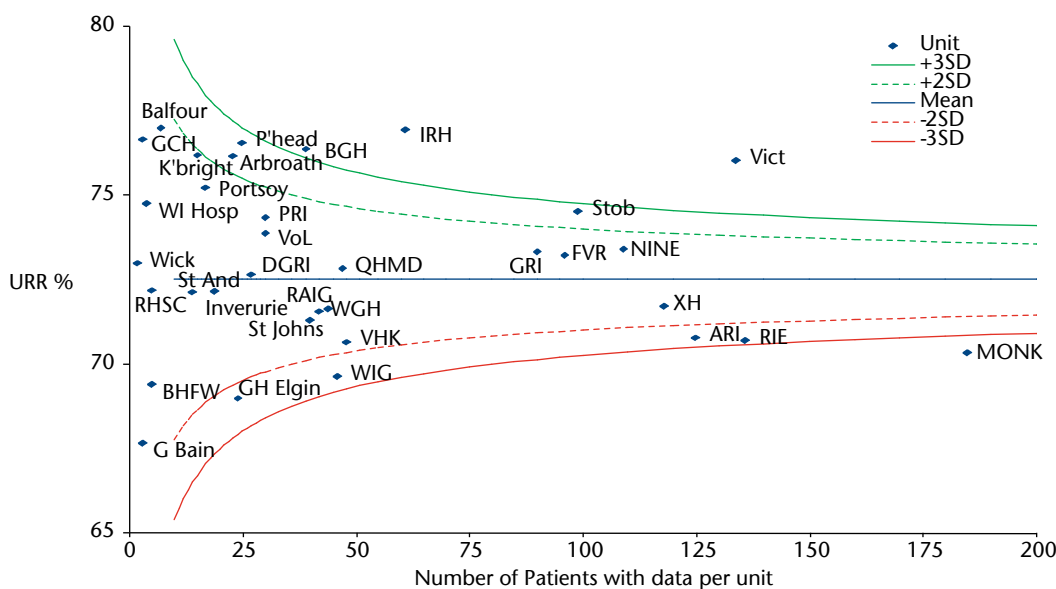


SECTION H UREA REDUCTION RATIO

The quality of haemodialysis treatment for ERF can be assessed by measuring the urea reduction ratio (URR). The NHS QIS standard for adult patients is to achieve a URR $\geq 65\%$ in at least 85% of patients. The UKRA guideline for adult patients on three times per week HD is to achieve a URR consistently $>65\%$.

The URR audit was performed in May 2013; all patients in Scotland receiving hospital or home haemodialysis on 01 May 2013 were included in the audit. There were 1779 results from 1885 patients (94%).

H1 Mean achieved URR in HD patients in May 2013 by dialysis unit



1425 patients (76%) had adequate data to calculate equilibrated Kt/V (eKt/V) using the single-pool formula with estimated 30-minute post-dialysis urea. This method used has been validated in patients having post-dialysis sampling using the stop-dialysate flow method used in Scottish dialysis units. It has been validated in patients treated by both haemodialysis and haemodiafiltration.

More information about this method of calculating Kt/V is available on the SRR website.

<http://www.srr.scot.nhs.uk/Projects/Projects1.html#adequ>

The UKRA guideline for adult patients on three times per week HD is to achieve eKt/V >1.2 .

H2 Number of haemodialysis patients, median URR, median eKt/V and achievement of audit standard by renal unit May 2013											
	ARI	XH	DGRI	GLAS	MONK	NINE	RAIG	RHSC*	RIE	VHK	Scotland
Number of patients	231	142	51	613	189	176	64	6	270	143	1885
Number of patients with missing data	5	24	6	32	4	12	8	1	5	9	106
% patients with URR in whom URR >65%	87	81	78	86	80	90	84	80	85	86	85
Upper quartile	76	77	80	79	75	79	77	78	76	75	77
Median URR	73	72	75	75	71	75	72	71	73	72	74
Lower quartile	68	68	69	71	66	70	68	69	69	69	69
% patients with data for Kt/V**	89	46	86	70	83	80	69	67	87	69	76
Median eKt/V	1.38	1.42	1.51	1.52	1.34	1.49	1.39	1.36	1.40	1.34	1.42

* Data for RHSC. The standards set for adult patients are not applicable to children; data are given for reference purposes only.

** Equilibrated Kt/V calculation only possible for patients with pre and post-dialysis urea levels, post-dialysis weight and ultrafiltration volume.