

SECTION H ADEQUACY OF HAEMODIALYSIS

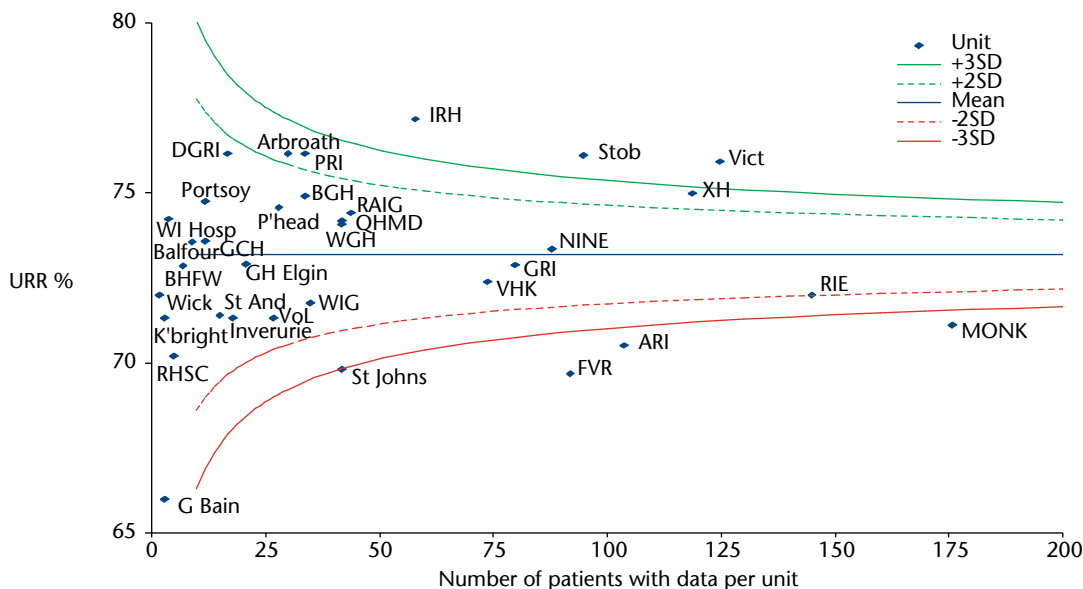
The quality of haemodialysis treatment for ERF can be assessed by measuring the urea reduction ratio (URR). The UKRA guideline for adult patients on three times per week HD is to achieve a URR consistently >65%.

The URR audit was performed in May 2014; all patients in Scotland receiving hospital or home haemodialysis on 01 May 2014 were included in the audit. There were 1735 results from 1853 patients (93.6%).

Although most patients continue to receive haemodialysis three times per week, it is clear that a large proportion of home and a small proportion of hospital haemodialysis patients are receiving more frequent sessions.

Of the 1778 patients with information on dialysis frequency 1715 continue to have three times per week dialysis and 51 patients received a greater frequency (26 hospital HD (1.4%) and 25 home HD (43.9%)). 12 patients were receiving twice weekly dialysis. For those patients receiving greater than three times per week URR may not reflect adequately the quality of dialysis and for these patients standardised Kt/V is preferable. We therefore have limited URR comparison to those receiving three times weekly HD in Figures H1 and H2 and used data from the census to calculate standardised Kt/V (stdKt/V) for all those with sufficient data.

H1 Mean achieved URR in HD patients on thrice weekly treatment in May 2014 by dialysis unit



Four adult units, ARI, FVR, MONK and St Johns had a mean URR value of more than 3 standard deviations below the mean for Scotland. However, all units achieved a mean URR above 65%.

1645 patients (88.7%) had adequate data to calculate standardised Kt/V (URR, dialysis frequency, dialysis treatment time and access used). 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>

H2 Number of haemodialysis patients, median URR, median stdKt/V and achievement of audit standard by parent renal unit May2014											
	ARI	XH	DGRI	GLAS	MONK	NINE	RAIG	RHSC*	RIE	VHK	Scotland
Number of patients on HD	219	137	49	594	190	173	61	9	278	143	1853
Number of patients with missing data	4	17	7	45	7	13	0	1	6	1	102
% patients with URR >65%**	88	94	84	88	85	91	89	60	88	93	89
Upper quartile**	76	79	82	79	76	80	78	76	76	76	78
Median URR**	72	76	78	75	71	75	76	74	73	73	74
Lower quartile**	69	70	71	70	67	71	73	63	69	70	69
% patients with data for stdKt/V***	95	82	71	83	91	90	100	67	96	93	89
Median stdKt/V***	2.13	2.25	2.39	2.20	2.10	2.18	2.22	2.17	2.13	2.12	2.16

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

** Analysis limited to those with sufficient data and receiving thrice-weekly haemodialysis (n=1715).

*** Standardised Kt/V calculation only possible for patients with URR, dialysis frequency, dialysis treatment time and access used (n=1645).