

SRR Anaemia Audit

May 2010

Dr Sue Robertson

On behalf of the Scottish Renal Registry

SRA March 2011

organisation	Year	Standard recommendations
CSN(Canada)	1999	Target range Hb11-12gdl
CARI (Australia)	2002	Hb>11gdl Hb<12gdl if CVD,Hb12-14gdl if no CVD
QIS	2002	85% HD patients Hb>10gdl
EBPG	2004	Hb target >11 gdl caution in raising above 12gdl,not>12gdl if CVD
UKRA	2006	Hb 10.5-12.5gdl adjust ESA if < 11gdl or >12 gdl
KDOQI	2007	If on ESA target Hb11-12gdl not> 13gdl
UKRA Draft	2010	If on ESA target range 10.5-12.5gdl

KDIGO.org Compare guidelines Haemodialysis target Haemoglobin

SRR Anaemia Audit May 2010

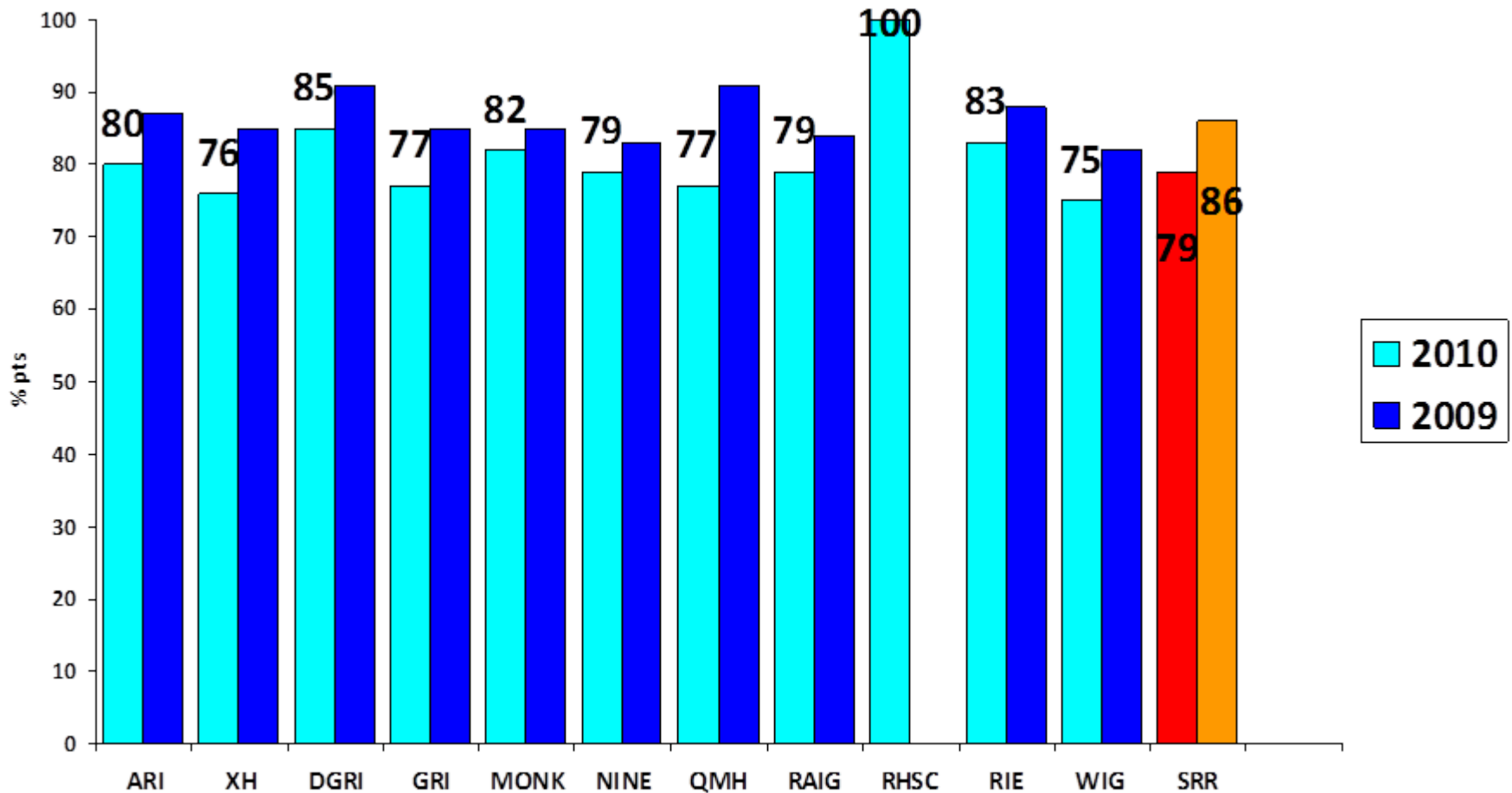
- Census of all dialysis patients in Scotland
- Total number of patients= $1870+290=2160$
- Haemodialysis= 1870 , 1730 with Hb
- Peritoneal Dialysis= 290 , 272 with Hb
- Total patients with Hb= 2002
- Hb ,ESA doses, IV iron
- Presenting March 2011

SRR anaemia audit May 2010

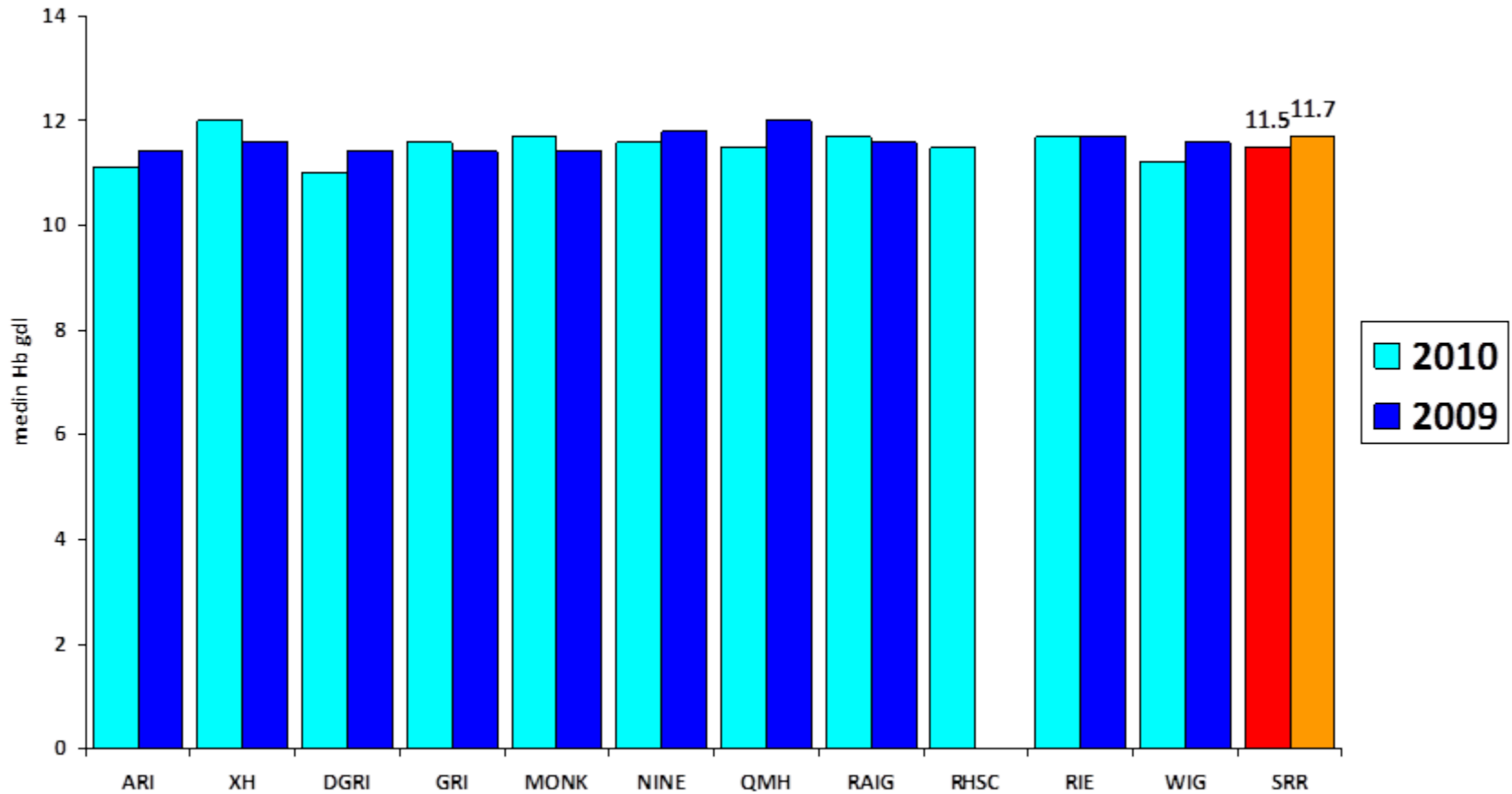
Haemodialysis patients

- Total patients in SRR Census 1870
- Anaemia audit 1730=93%
- Patients with Hb not transfused in previous month
- Look at Hb and ESA and IV iron

% HD patients with HB>10g/dL all units 2009 and 2010 QIS standard 85%

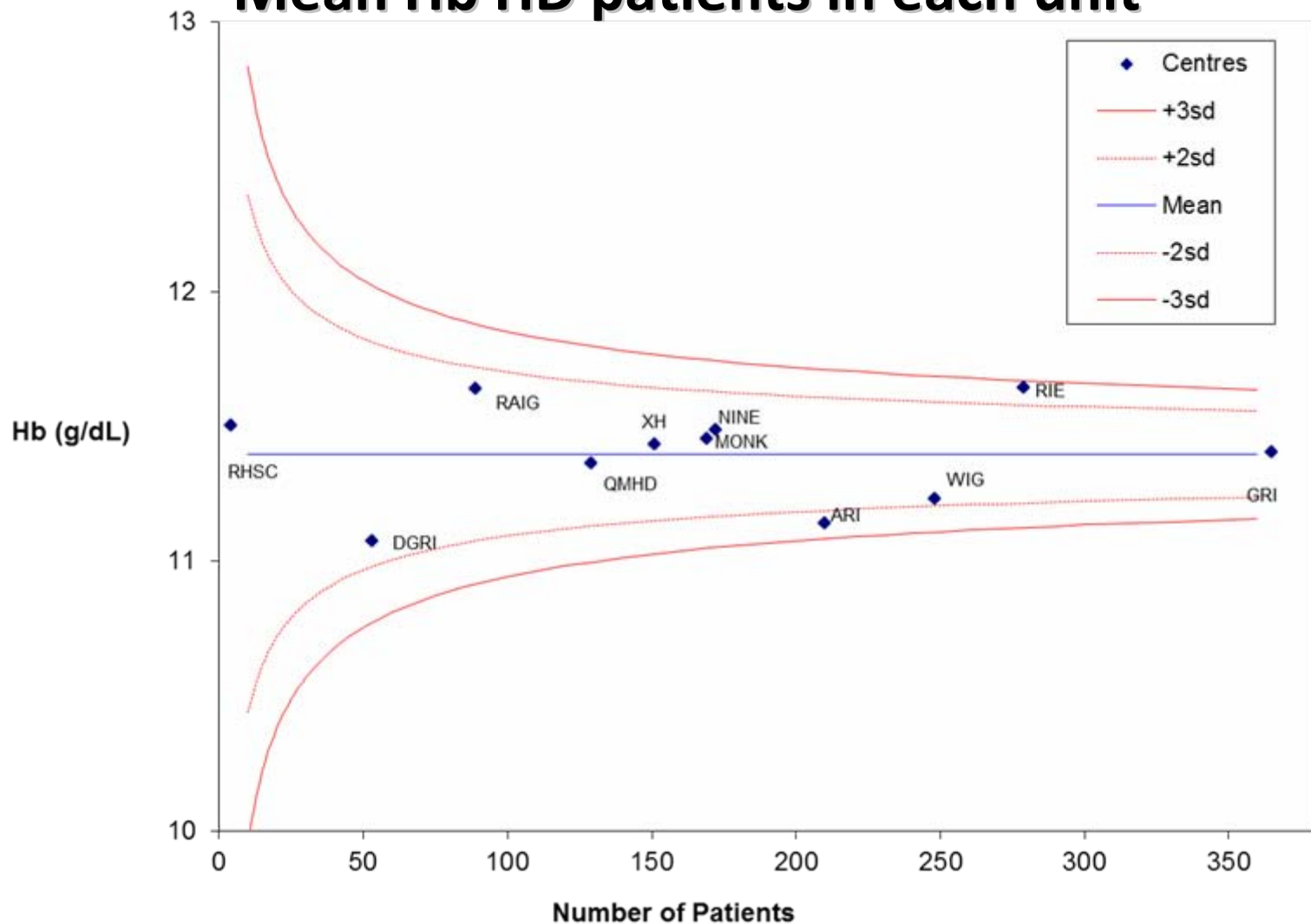


Median Hb Each Unit 2009+2010



SRR anaemia audit May 2010

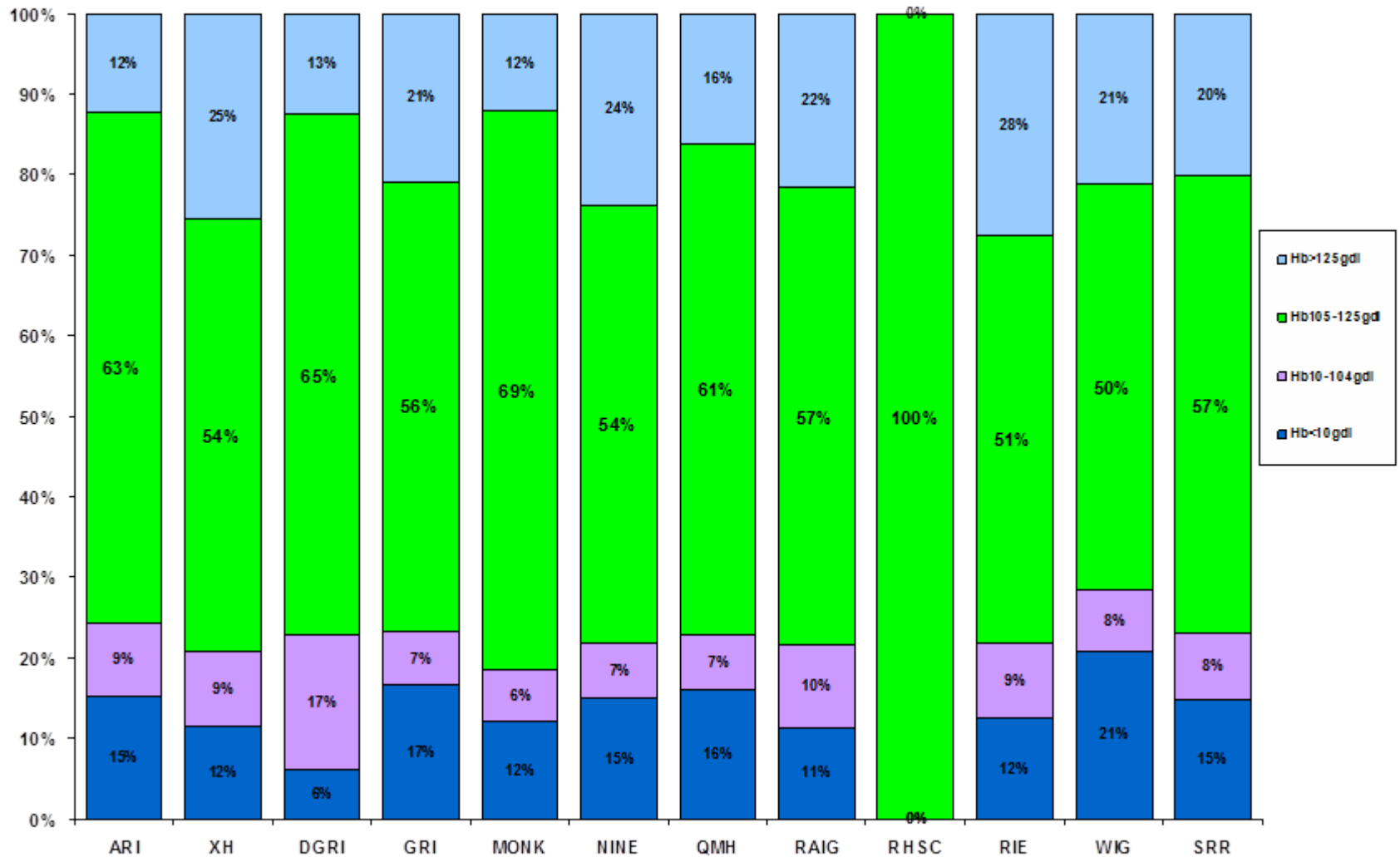
Mean Hb HD patients in each unit



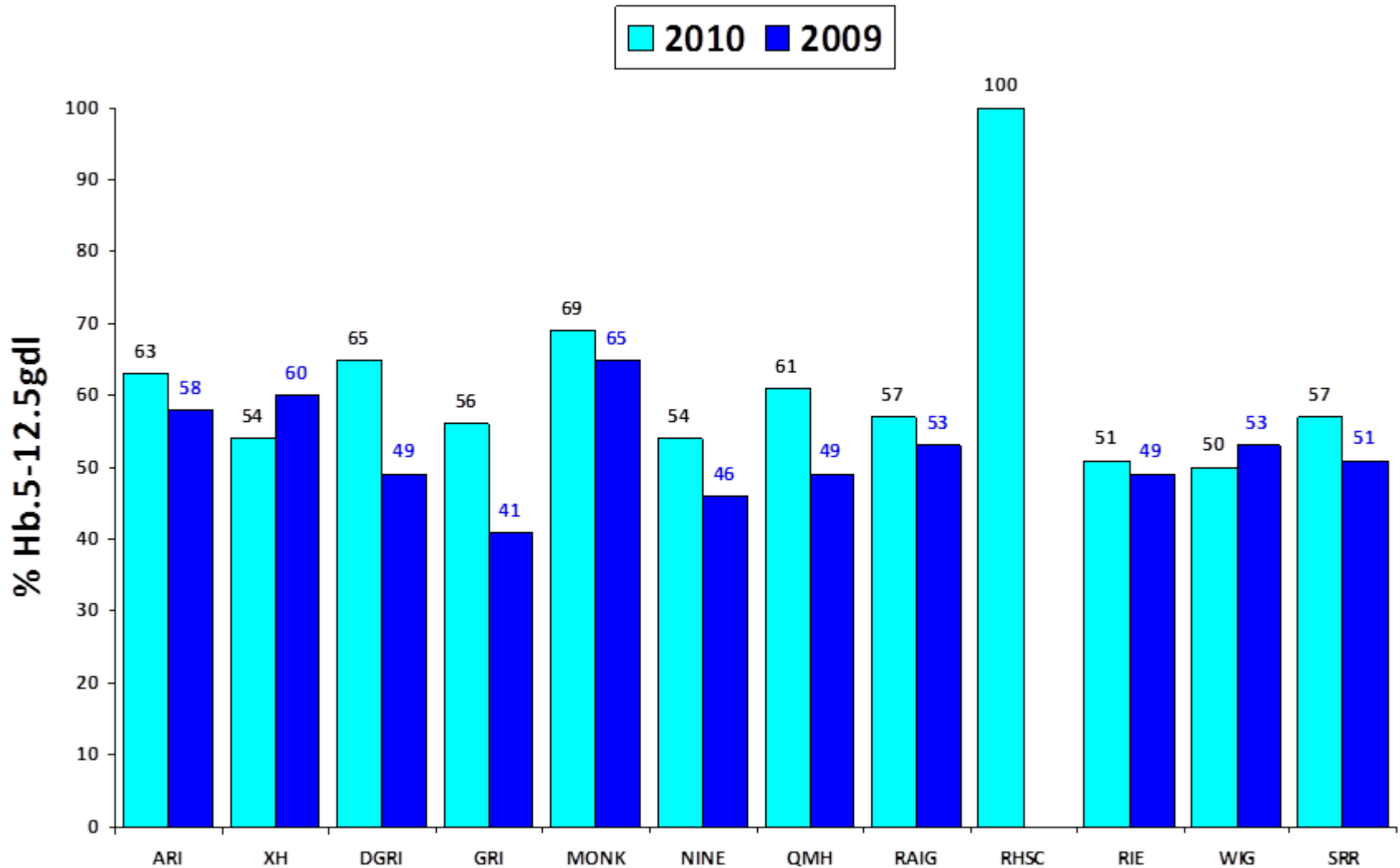
SRR Anaemia Audit May 2010

haemodialysis patients with results

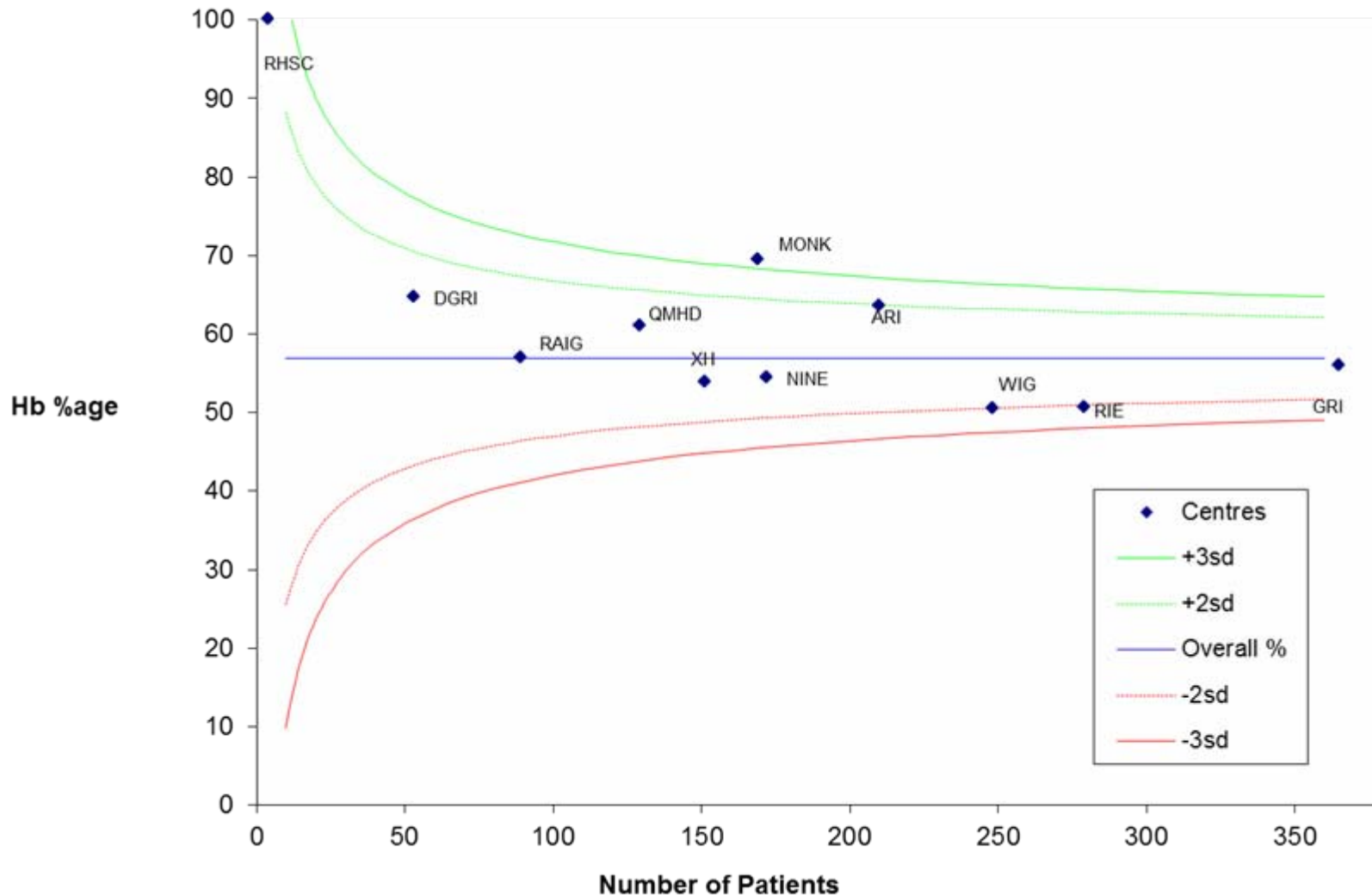
Hb bands



% Haemodialysis patients Hb10.5-12.5g/dL UKRA version 4 standard

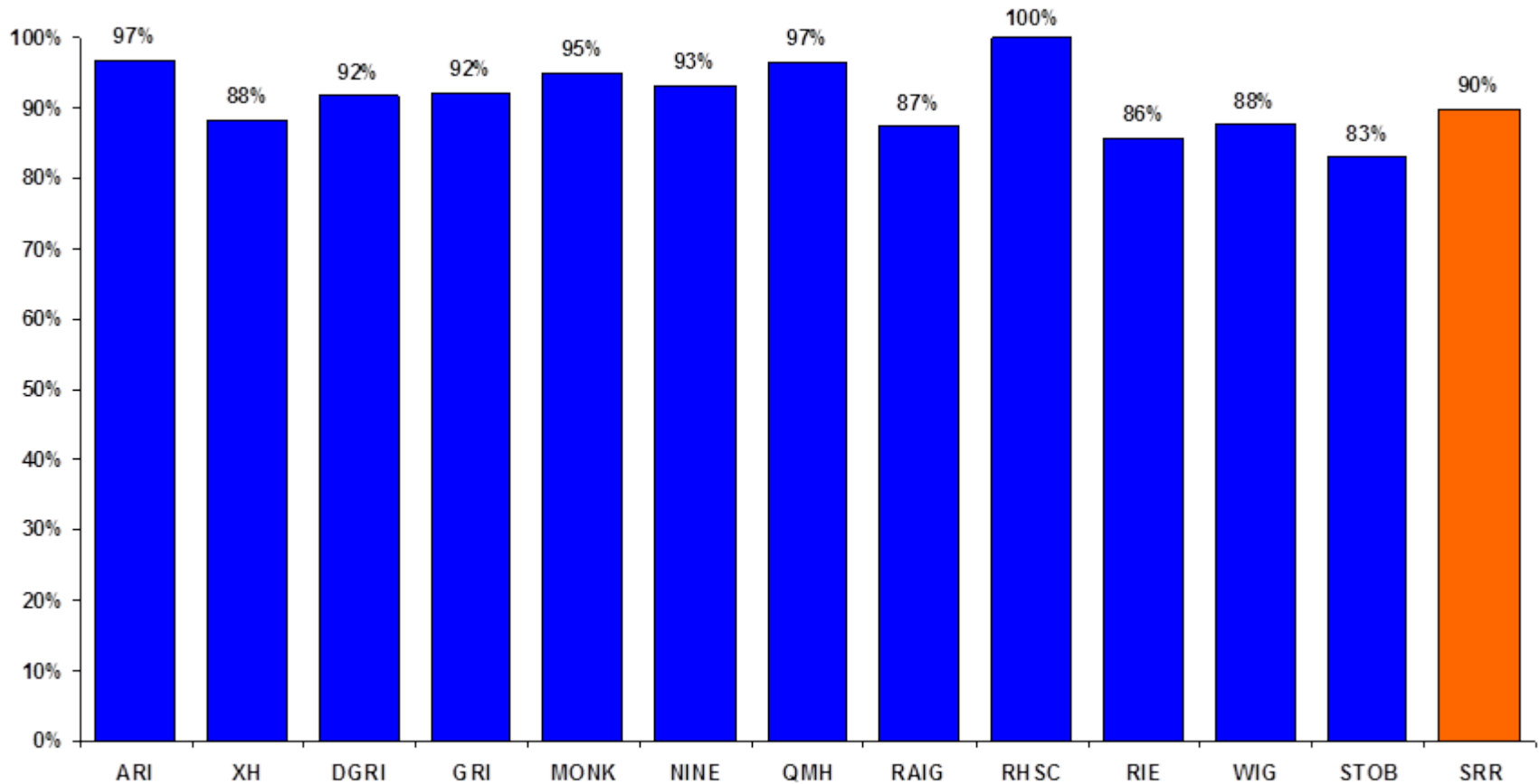


Percentage HD patients in each unit meeting UKRA target 10.5 to 12.5 g/dL



SRR Anaemia Audit May 2010

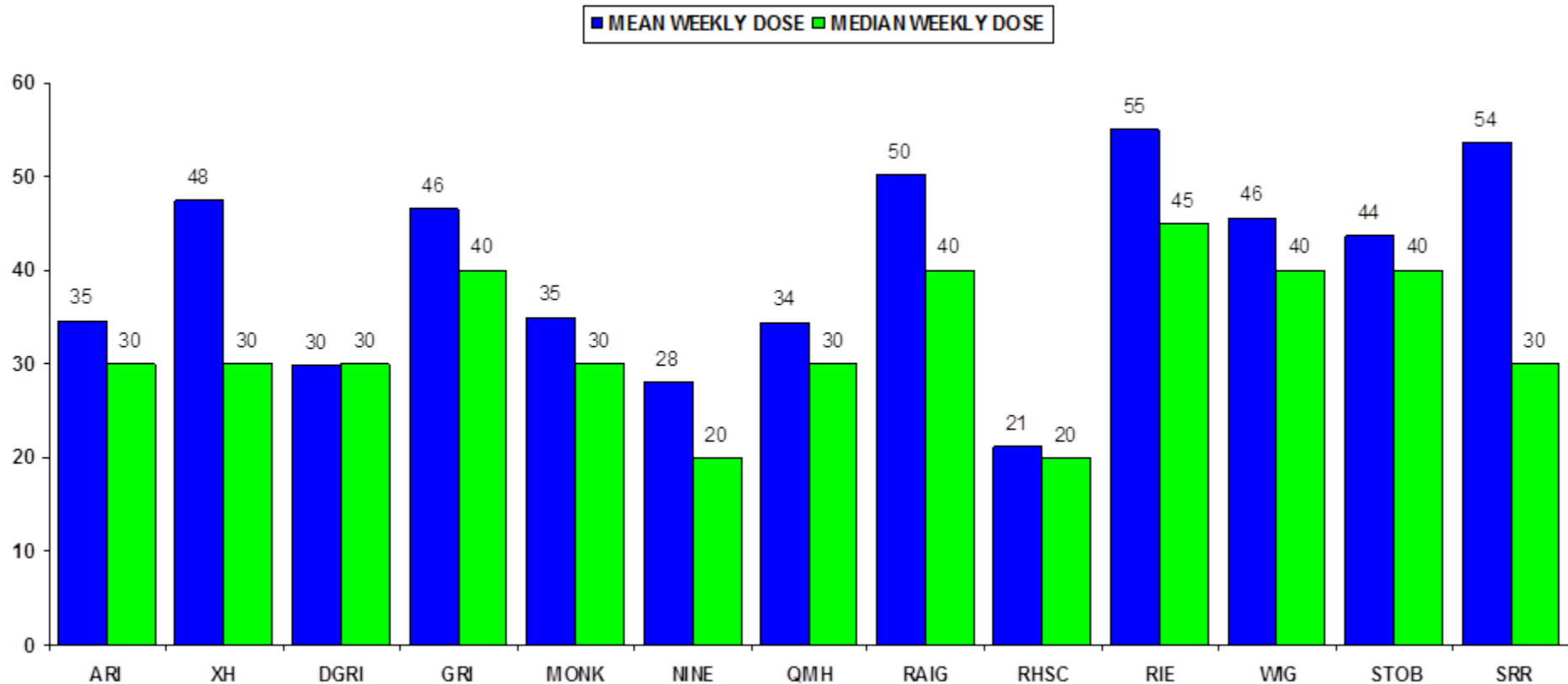
% haemodialysis patients on ESA



SRR Anaemia Audit May 2010

haemodialysis patients

weekly ESA dose(darb equiv)



30mcg = 6000units EPO weekly

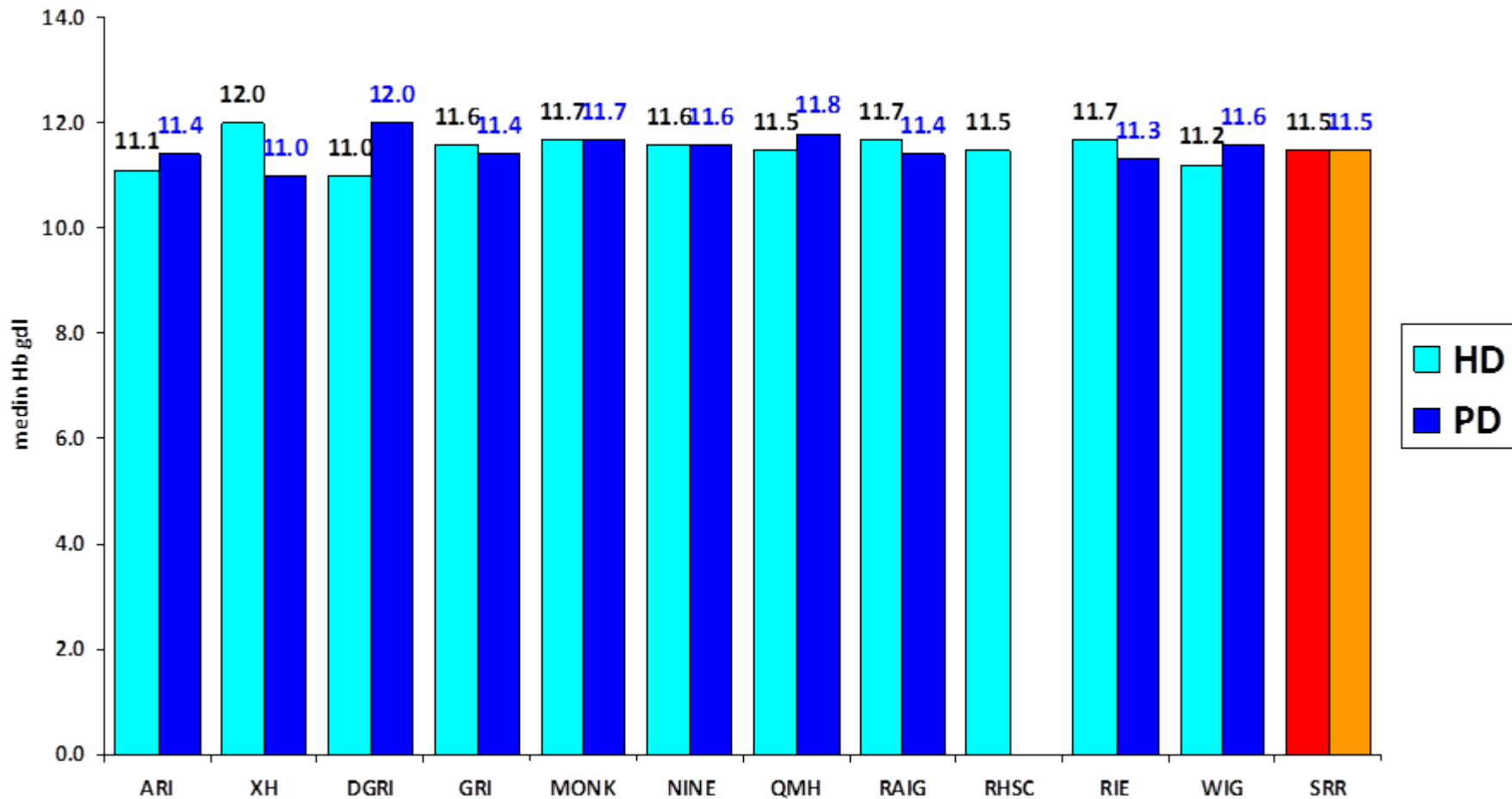
PD Audit-First Time

- All PD patients
- Same time as HD audit
- Hb census dates the same
- If data missing hand search through SRR
- Most recent Hb within last 3 months from 01/05/10

PD Results

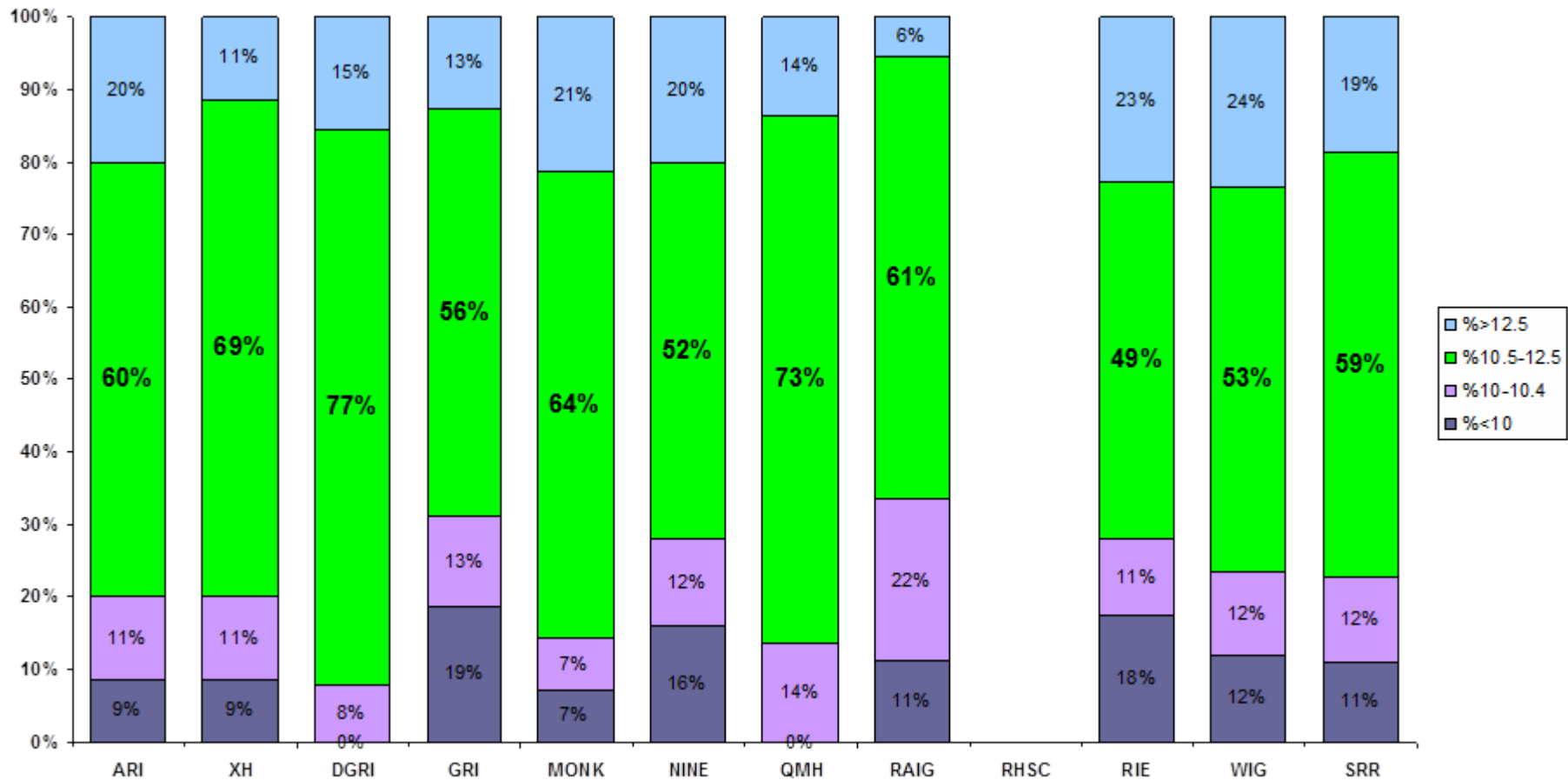
- 290 patients
- 272 with Hb results-93%
- RHSC small numbers and Haemoglobins unavailable in 7 of 10 so not reported

Median Hb Each Unit HD and PD May 2010

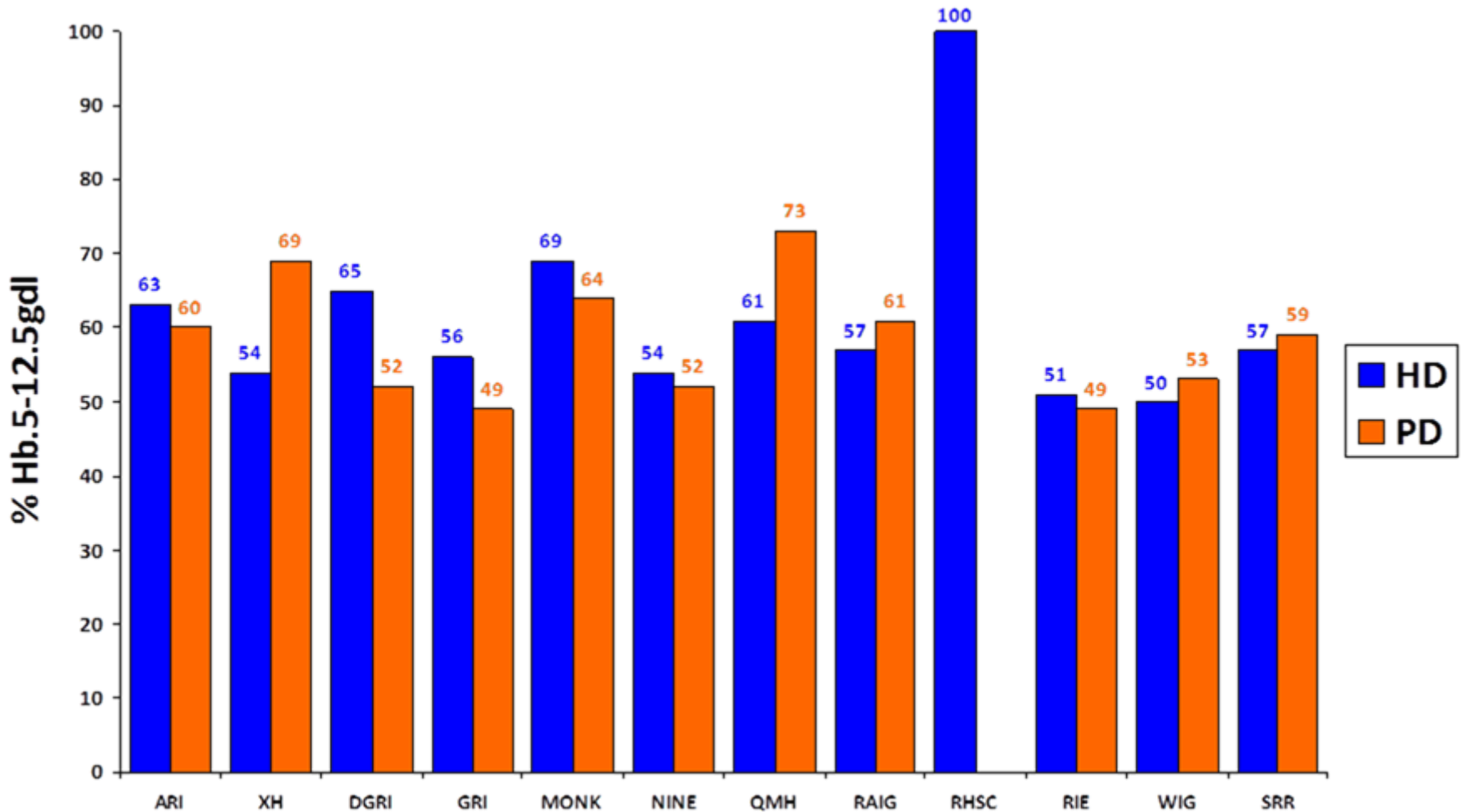


SRR Anaemia Audit May 2010 PD patients

Haemoglobin spread

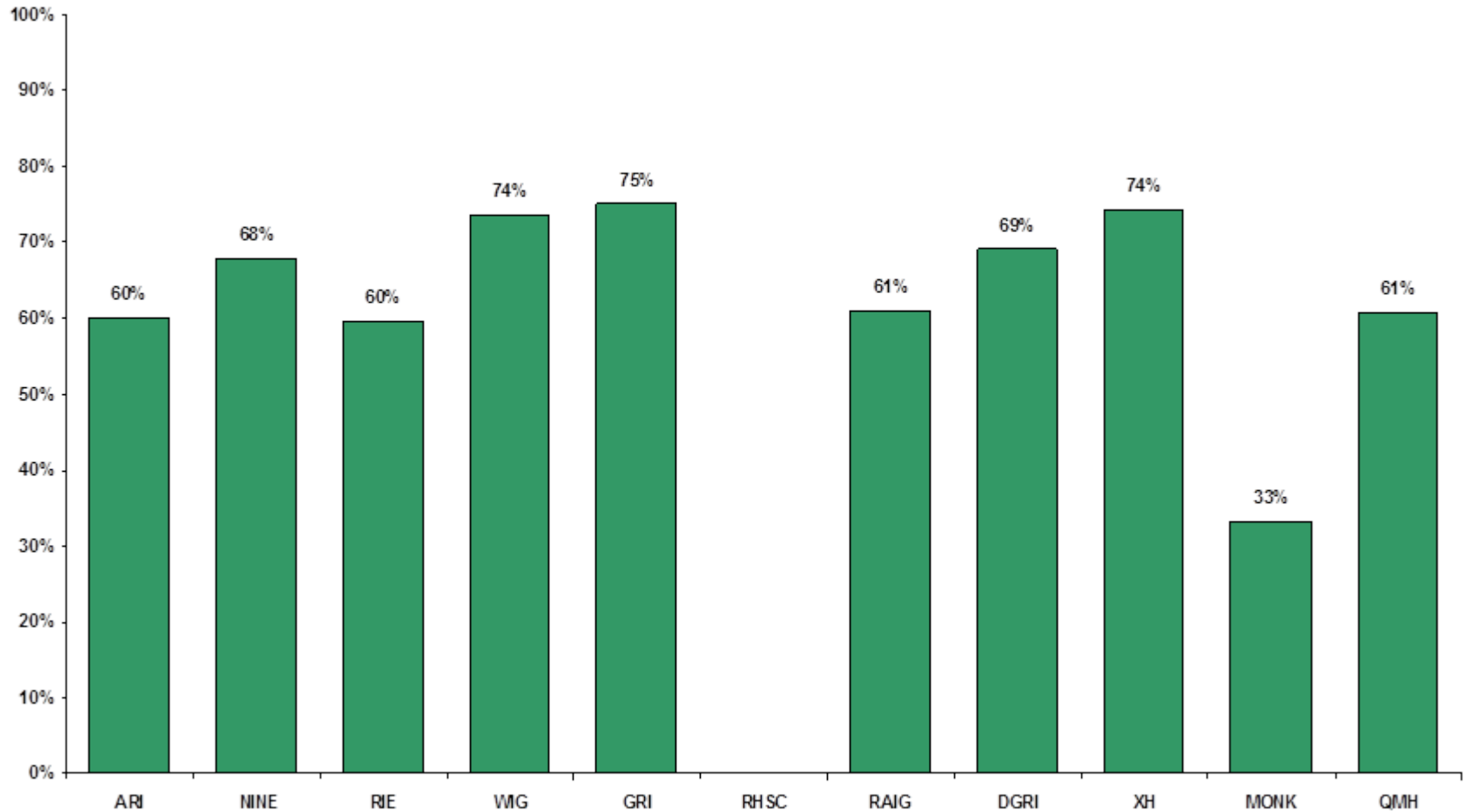


% patients Hb10.5-12.5g/dL HD and PD each unit (UKRA version 4 standard)



SRR Anaemia Audit May 2010

%PD patients receiving ESA



SRR anaemia audit May 2010

PD patients ESA dose (darb equiv)

