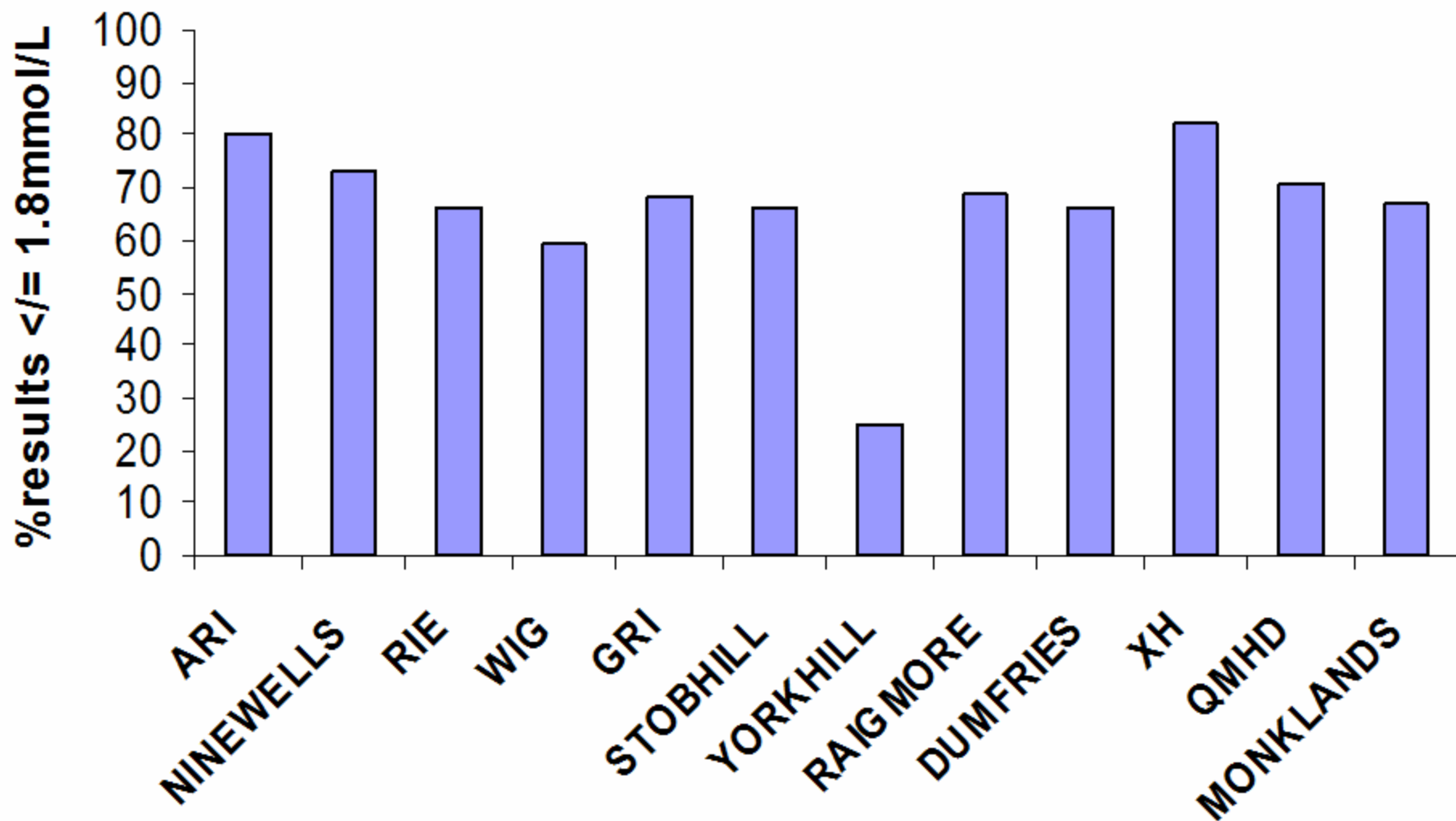




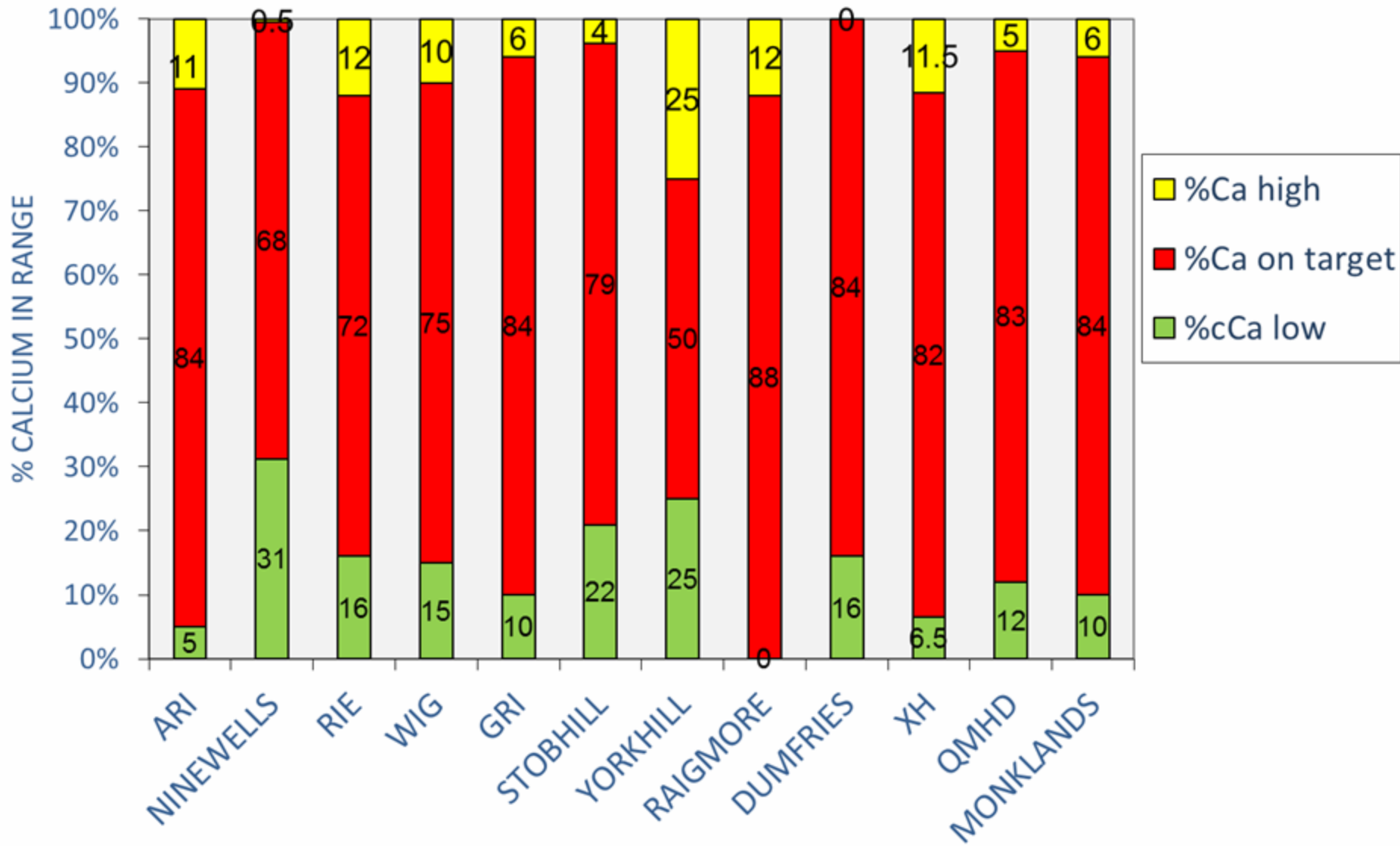
**SCOTTISH RENAL REGISTRY
CKD-MBD AUDIT
MAY2010**

DR.ALISON ALMOND
ASSOCIATE SPECIALIST
DUMFRIES AND GALLOWAY ROYAL
INFIRMARY

UKRA TARGETS FOR PHOSPHATE



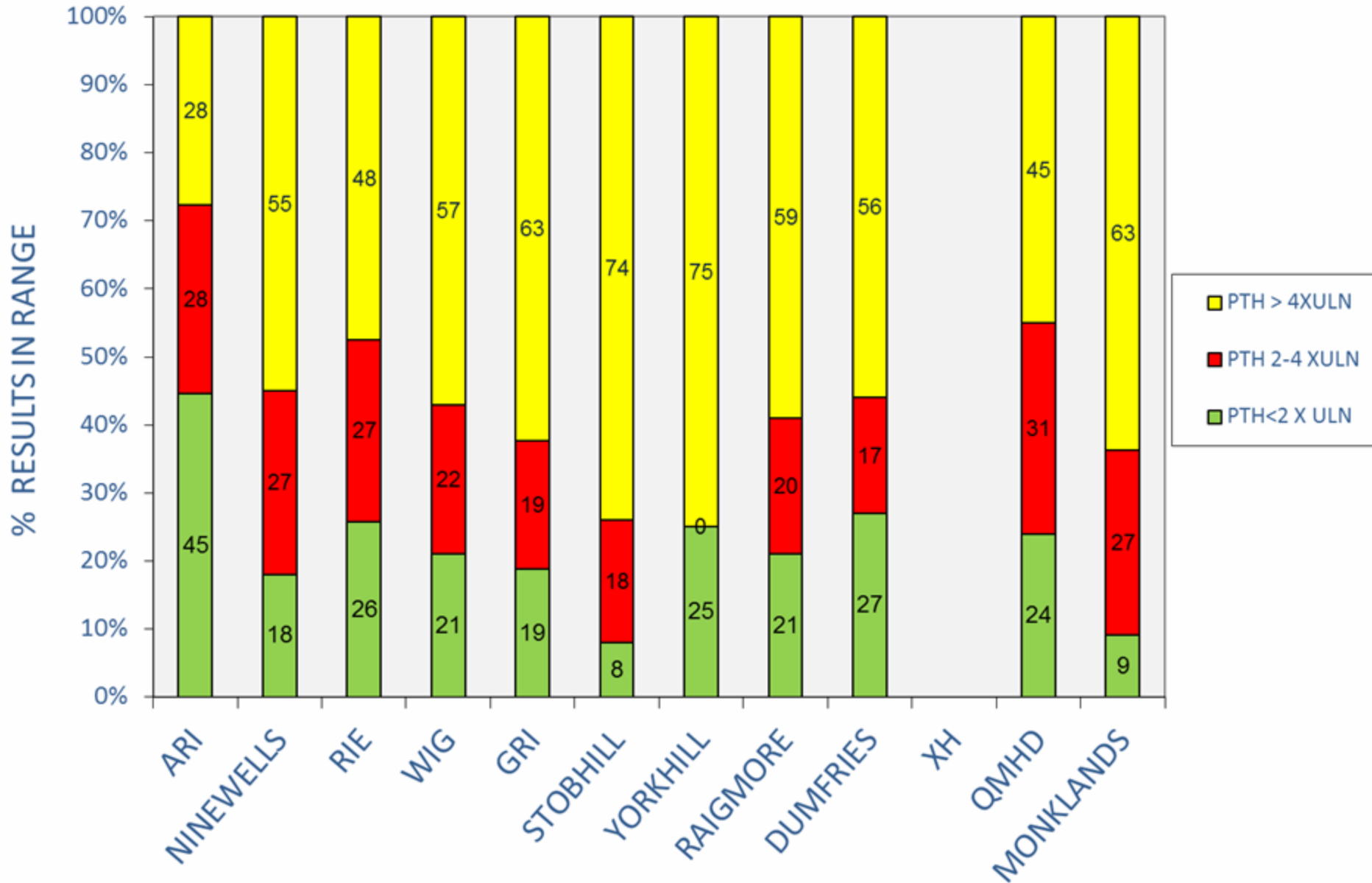
ACHIEVED CALCIUM TARGETS BY UNIT



CHANGES TO CALCIUM

- Universal correction factor (40/0.02)
- No correction applied if albumin is $<25\text{g/L}$,
(so malnourished and nephrotic patients will be excluded from registry data.)

% ACHIEVING UKRA TARGETS FOR PTH





NEW GUIDELINES

- KDIGO 2009
- UK RENAL ASSOCIATION 2011

‘.....in CKD stage 5D patients, *we suggest* that the iPTH level be maintained in the range 2-9 times ULN for the assay used.’



ASSAY SPECIFIC TARGET PTH CONCENTRATIONS (pmol/L) FOR CKD STAGE 5D

Method	Equivalent of 2 * ULN	Equivalent of 4 * ULN	Equivalent of 9 * ULN
Roche Elecsys E170	14	28	63
Abbott Architect	16	31	70
Beckman Access Dxl	13	25	57
DiaSorin Liaison	12	24	54
Siemens ADVIA Centaur	15	31	69
Siemens Immulite 2000	22	45	100



ROCHE ELECSYS ASSAY

- 2-4 X ULN is equivalent to 14-28 pmol/L
- 2-9 x ULN is equivalent to 14-63pmol/L



ABBOTT ARCHITECT ASSAY

- 2-4 X ULN target equates to 16-31 pmol/L
- 2-9 X ULN target equates to 16- 70 pmol/L



QMHD

RAIGMORE



SIEMENS CENTAUR ASSAY

- 2-4 X ULN equates to 22-45pmol/L
- 2-9X ULN equates to 15-69 pmol/L



SIEMANS IMMULITE ASSAY

- 2-4 X ULN equates to 22-45 pmol/L
- 2-9 X ULN equates to 22-100 pmol/L

BORDERS SATELLITE UNIT MEASURES
PTH WITH THE BECKMAN ASSAY
(TARGET RANGE 13-25 pmol/l) BUT IS
AUDITED WITH THE RIE RESULTS USING
ABBOTT ARCHITECT (TARGET RANGE
16-31 pmol/l)