

Value Based Health Care Funding: Improving Optimisation of Patients with Preoperative Anaemia

**Dr Rhys Volk - Anaesthetic Anaemia Lead
Cardiff and Vale University Health Board**

**12 months of a nurse administered IV Iron program
and
Transitioning to a non medical prescribing service**

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Background

Annually we give IV Iron preoperatively to over 200 patients in UHW

Consultant delivered service

Time for appointment – up to an hour

Reduced capacity for Face to Face clinician appointment

Ad Hoc delivery no clinic

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Goal

Moving to a nurse led / pharmacist prescribing clinic with consultant oversight

Increase number of face to face appointments for high risk patients

2 sessions a week (6 appointments) and a flexible ad hoc service

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CURRENT SITUATION

3 nurses in post who deliver IV Iron

Majority pharmacist prescribed

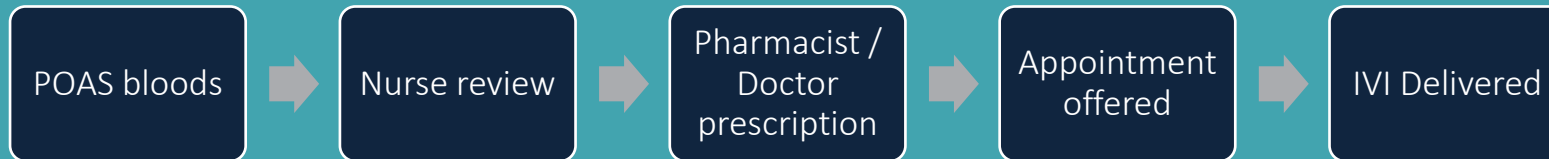
Nurse prescriber imminent

3 weekly sessions with 3 appointments

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How does it work?



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The Data

268 appointments in 2024

5 appointments a week

**Microsoft forms filled in during appointment for
data collection**

Data available on 217

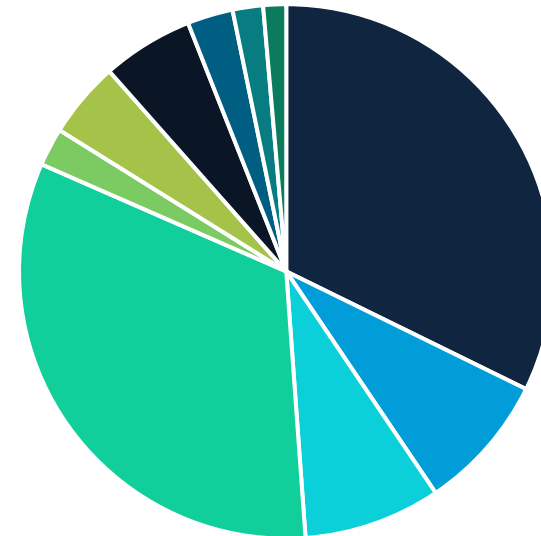
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Demographic Data

**217 Patients
158 Female
59 Male**

Patients



■ Colorectal ■ HPB ■ UGI ■ Gynaecology ■ ENT / Max Fax
■ T+O* ■ Urology ■ Vascular ■ Neuro ■ Other hospitals

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Time between anaemia screen and IV Iron

	2023	2024	Change
< 7 days	31	44	+ 4 %
8-14 days	73	98	+ 7.3 %
15-28 days	47	55	+ 0.9 %
>28 days	42	20	-12.5 %
Average (Days)	24	16	-8
Median (Days)	14	12	-2

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Time between IV Iron and surgery

	2023	2024	Change
< 7 days	31 (17.9%)	35 (20.5%)	+2.6
8-14 days	38 (21.9%)	42 (24.5%)	+2.6
15-28 days	37 (21.3%)	29 (16.9%)	-4.4
29-42 days	26 (15.0%)	22 (12.8%)	-2.2
>42	41 (23.6%)	43 (25.1%)	+1.5
Average (Days)	32	33	+1
Median (Days)	21	18	-3

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Consultant Face to Face appointments per month

	Pre Sept 2023	Post Sept 2023	Increase	2024	Increase
Average	41	55	34%	69	68%
Median	39	53	35%	69	75%

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Results

5 to 48 with Hb > 130

**Greatest response in pt
with low starting Hb**

Hb change	Number	Days between IVI and theatre (Median)	Hb pre IVI (Median)	Hb Post IVI (Median)
-1 to -23	36	9	120	112
0	11	9	125	125
1-10	55	28	123.5	124.5
11-20	29	23	117	130
21-30	14	47	104	129.5
>31	12	64	99	137

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Developments

Troubleshooting Issues Phase

- Data capture
- Pathway streamlining
- Disconnect??
- Incorporating elective orthopaedic patients