

**NO BLOOD SORRY,
BUT I CAN HELP YOU...**

**THE CLINICAL APPROACH FROM THE
LAB, TO THE APPROPRIATE USE OF
BLOOD**

Donna Knight
Associate Practitioner
Transfusion Department

INTRODUCTION

- Concern over RC availability
- Challenges over financial restraints
- Various studies:
 - increased mortality & morbidity
- Chronic anaemia
- Transfusion practice changing to try reduce blood usage

WHAT WE DO

- Lab based approach
- Pro active
- Team effort
 - Lab & Clinical
 - All grades
- Inappropriate transfusions
 - deficiency related aneamias

REQUESTS

- A component request is just that....

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a request!

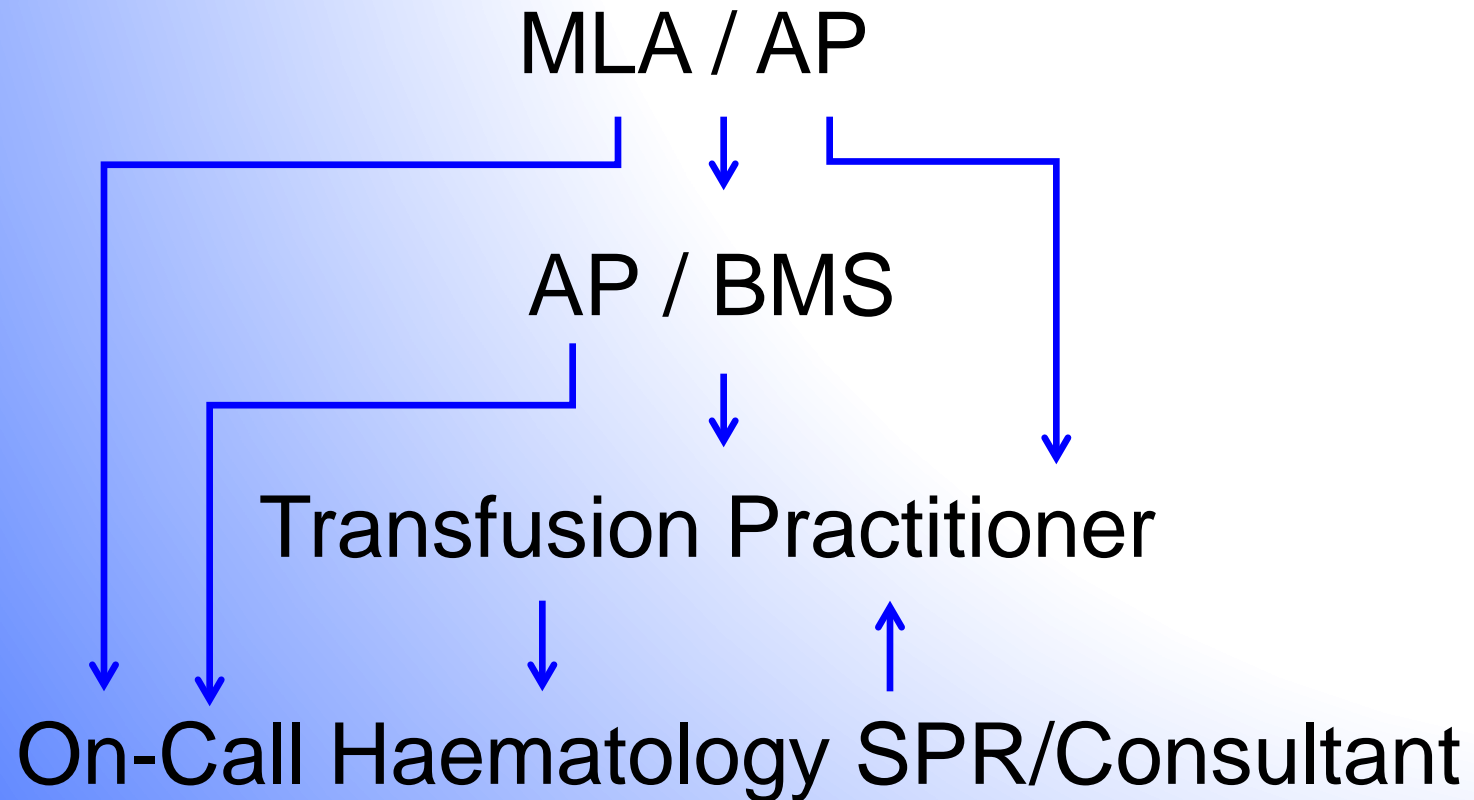
REQUESTS

- A component request is just that....
a request!
- Each one is assessed by lab staff
- Either honoured or referred

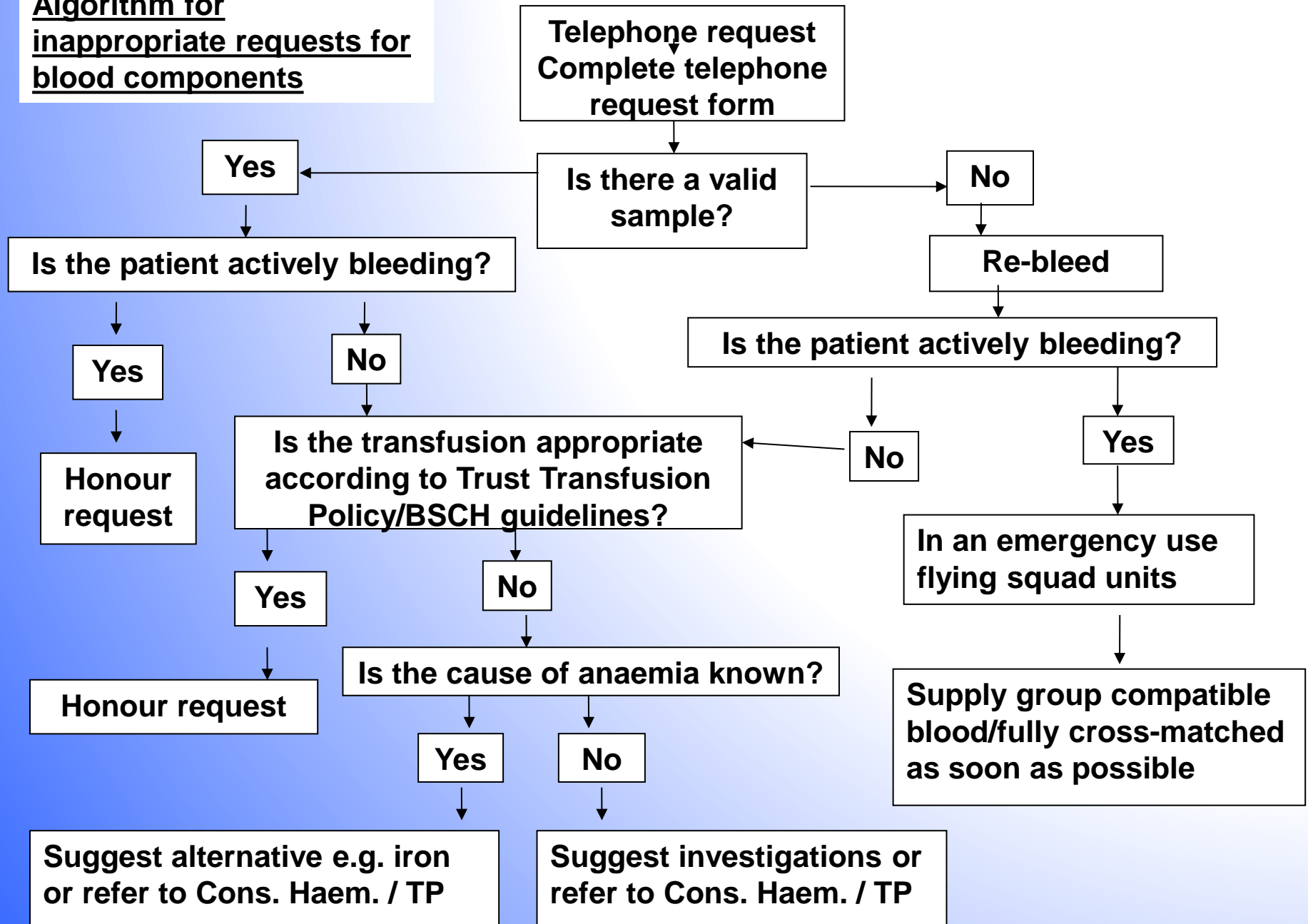
LAB TOOLS

- Algorithm for inappropriate requests
- Referral forms
- Staff empowerment
 - all grades, especially MLA's
- Support from clinical staff

REFERRAL PROCESS



**Algorithm for
inappropriate requests for
blood components**



FURTHER INFORMATION

- All checked on LIMS by lab staff
- Hb & MCV
(compared with historical FBC)
- Haematinics
- Symptoms
- Clinical details (Ca? CVD? Pre-op?)

PATIENT INFORMATION			
Patient Name:	Hospital Number:	Date of Birth:	Ward:
REQUEST INFORMATION			
Date & Time:	Name:	Grade:	Bleep:
Components: <input type="checkbox"/> RCC <input type="checkbox"/> Platelets <input type="checkbox"/> FFP <input type="checkbox"/> Cryoprecipitate			
Details: e.g post / pre op, elective / emergency, known cancer, symptomatic, heart disease			
Relevant blood results: e.g Hb, MCV, PC, INR, Fib			
REFERRAL INFORMATION			
Referred By:	Grade	Date & Time requestor spoken to:	
Reason for referral: e.g. known / suspected deficiency			
Referred To:	Grade:	Date & Time:	
OUTCOME			
Refused / Accepted / Part	Additional testing requested:	Suggested treatment:	
Other comments:			
Date & time closed:			

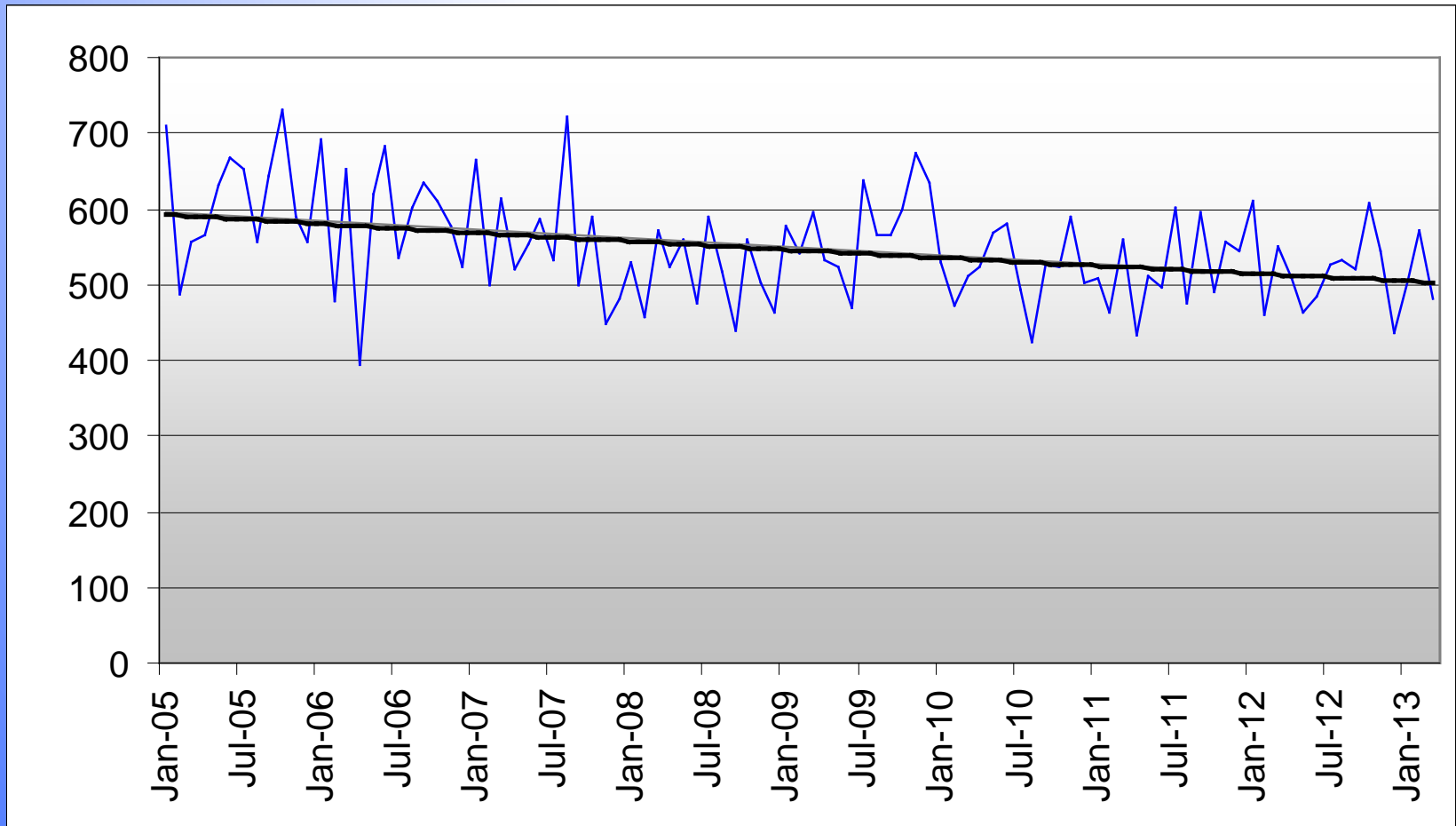
INITIAL FINDINGS

- Some reluctance
 - BMS (rotating staff of a 'certain age')
- Some offence taken
 - Clinicians (all grades)
- Reputation as 'Transfusion terriers'

EMPOWERMENT

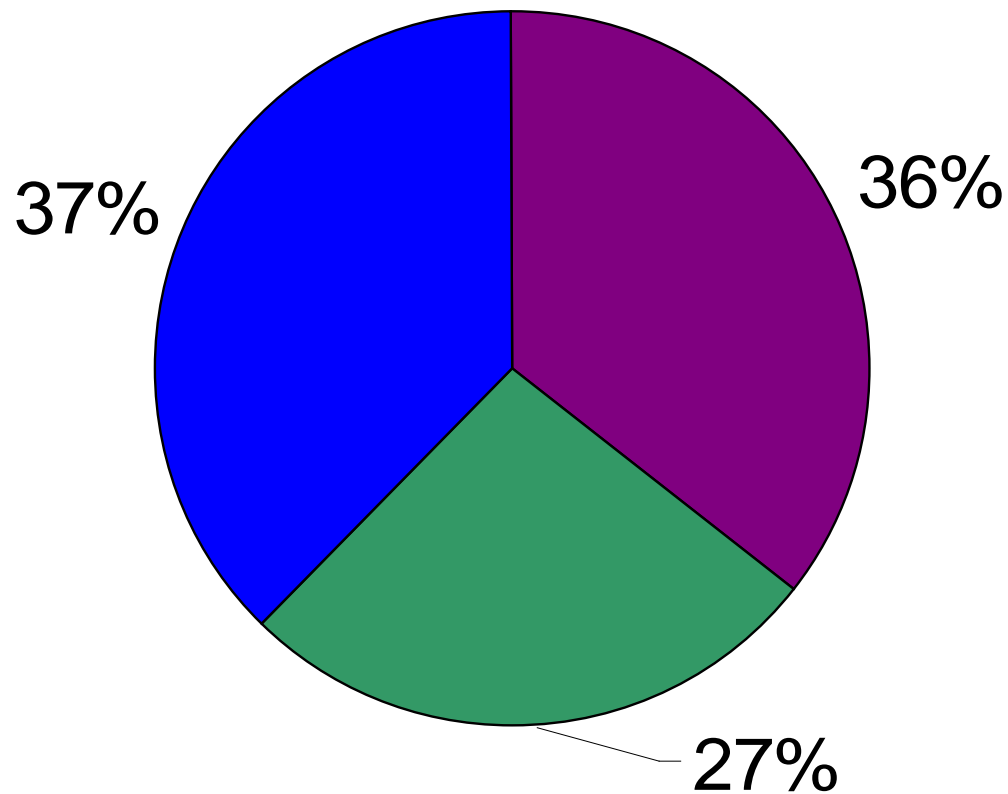
- Improved staff knowledge = greater confidence
- Lab staff aware of shared responsibility
- Limits are known
 - Transfusions never refused by lab staff
- Ensures best possible service is offered

LOCAL TRENDS



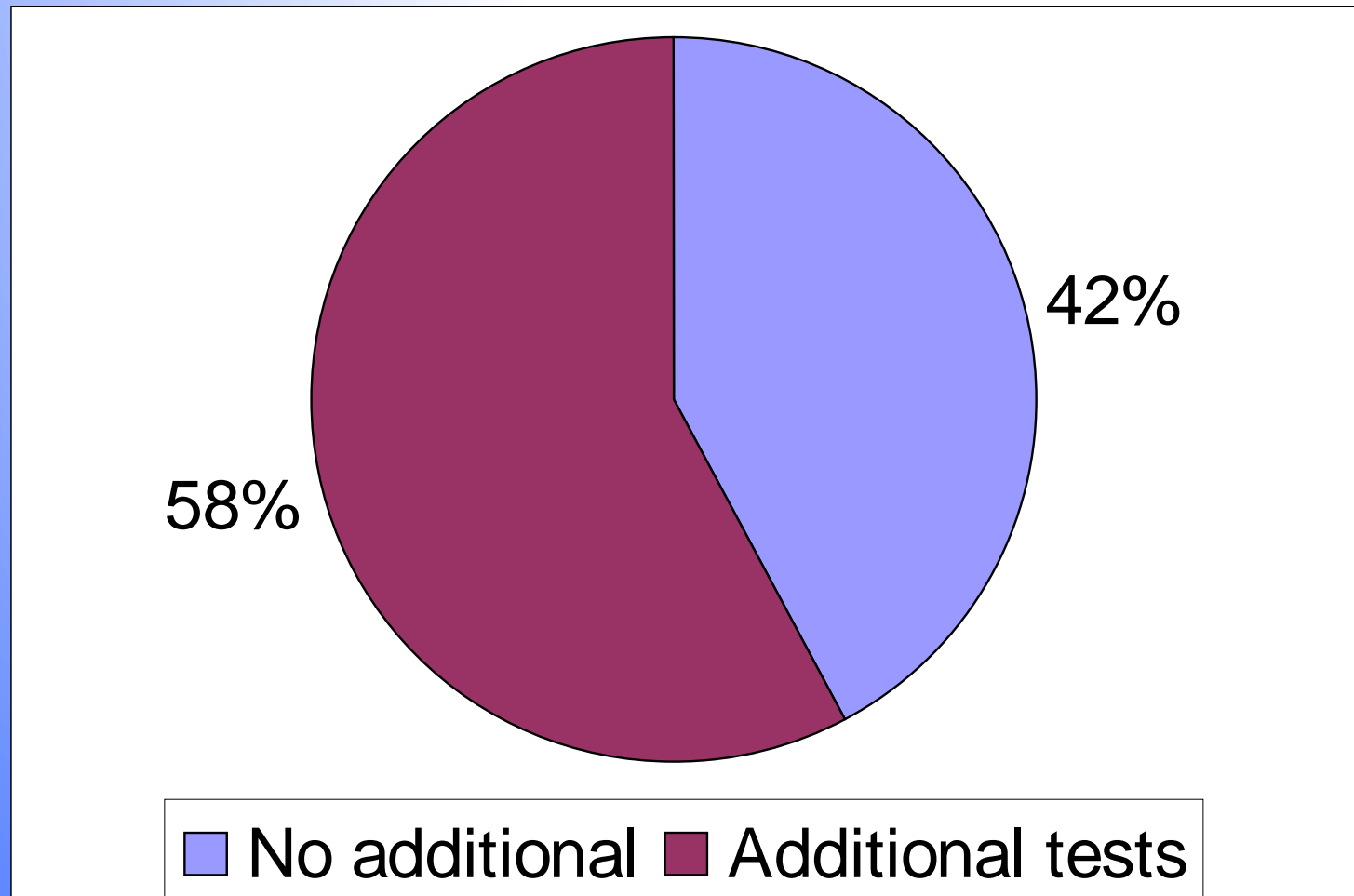
Data taken from <https://bsms.blood.co.uk/BloodStocks/>

LOCAL TRENDS

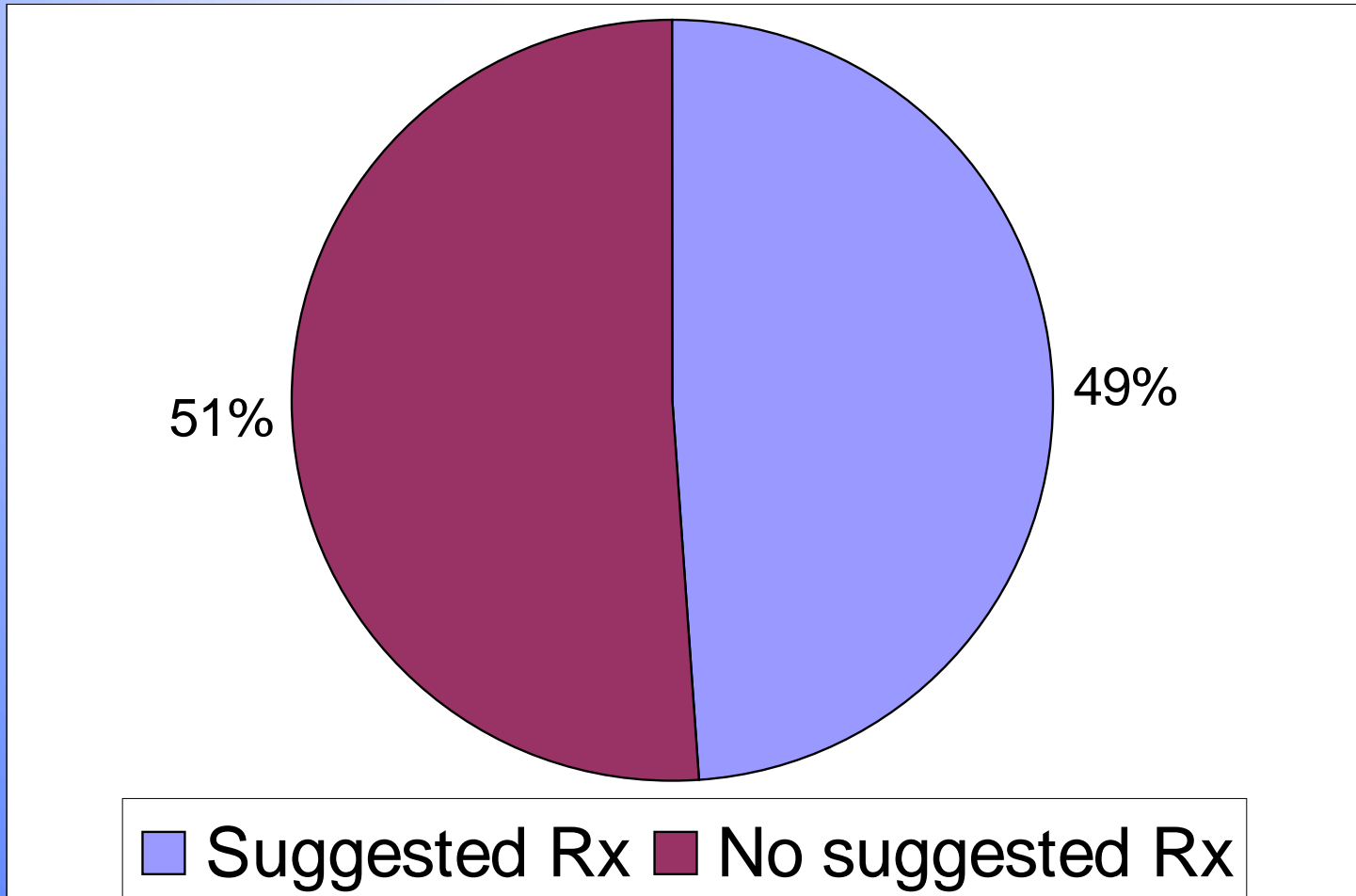


■ Refused ■ Accepted ■ Part

LOCAL TRENDS



LOCAL TRENDS



RIPPLE EFFECT

- Eagerness is contagious
- Clinicians phone for advice
- Medical & Surgical directorates both working hard
 - developed own policies
- Some wards better than others
- Still room for improvement

CONCLUSION

- Pro active approach required
- Can have positive effect throughout hospital
- Needs haematology clinician support
- Changing attitude amongst clinicians
- Beneficial to junior clinical staff

Thank you