

# Major Haemorrhage Audit: Trust Perspective

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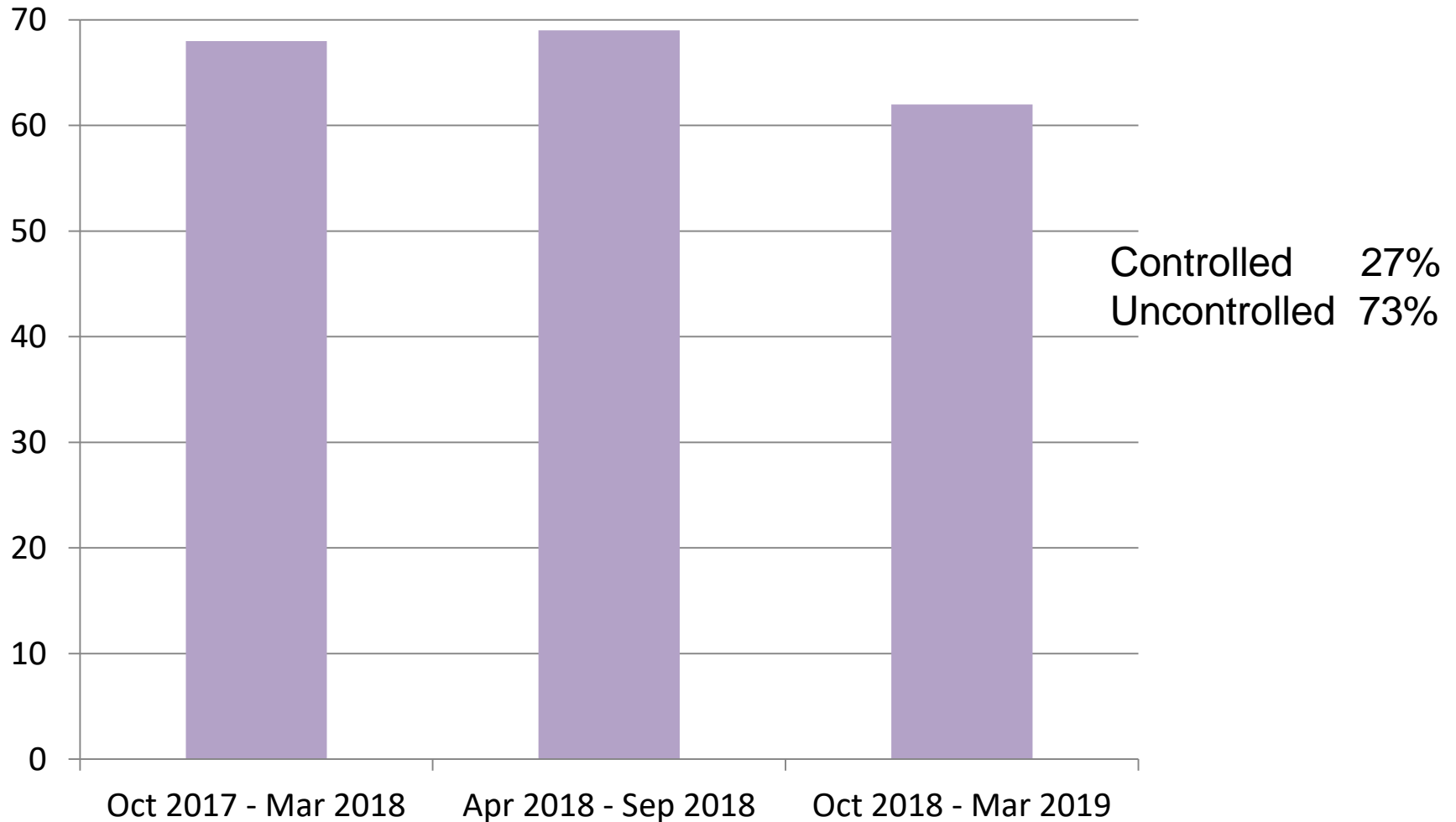
# Background

- RBH joined Berkshire & Surrey Pathology Services Nov 2017
- Both doing MH audits:-
  - RBH annual report
  - BSPS 6 monthly reports: Apr–Sept & Oct–Mar
- Revised audit tool based on BCSH guidelines
- All trusts are DGHs
- None have pre thawed plasma

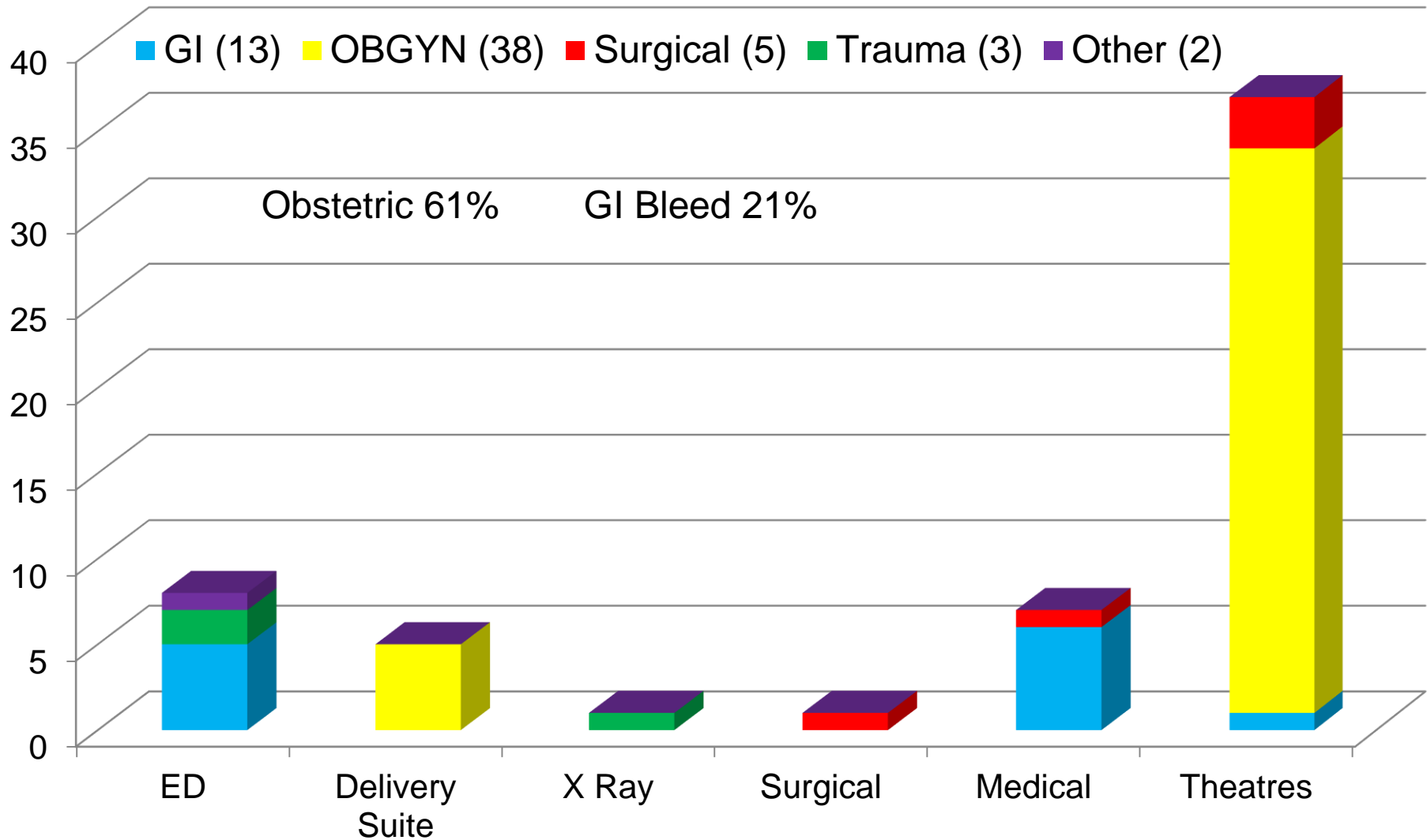
- Each Trust excel spreadsheet analysed
- Trust information combined in main report, showing comparison with last report / trends
- Appendix for each Trust's data & comments
- Summary page with all standards & all Trusts
- Share some results for RBH for last report (Oct 18 – Mar 19), comparison with BSPS and actions taken

# Major Haemorrhage Activations

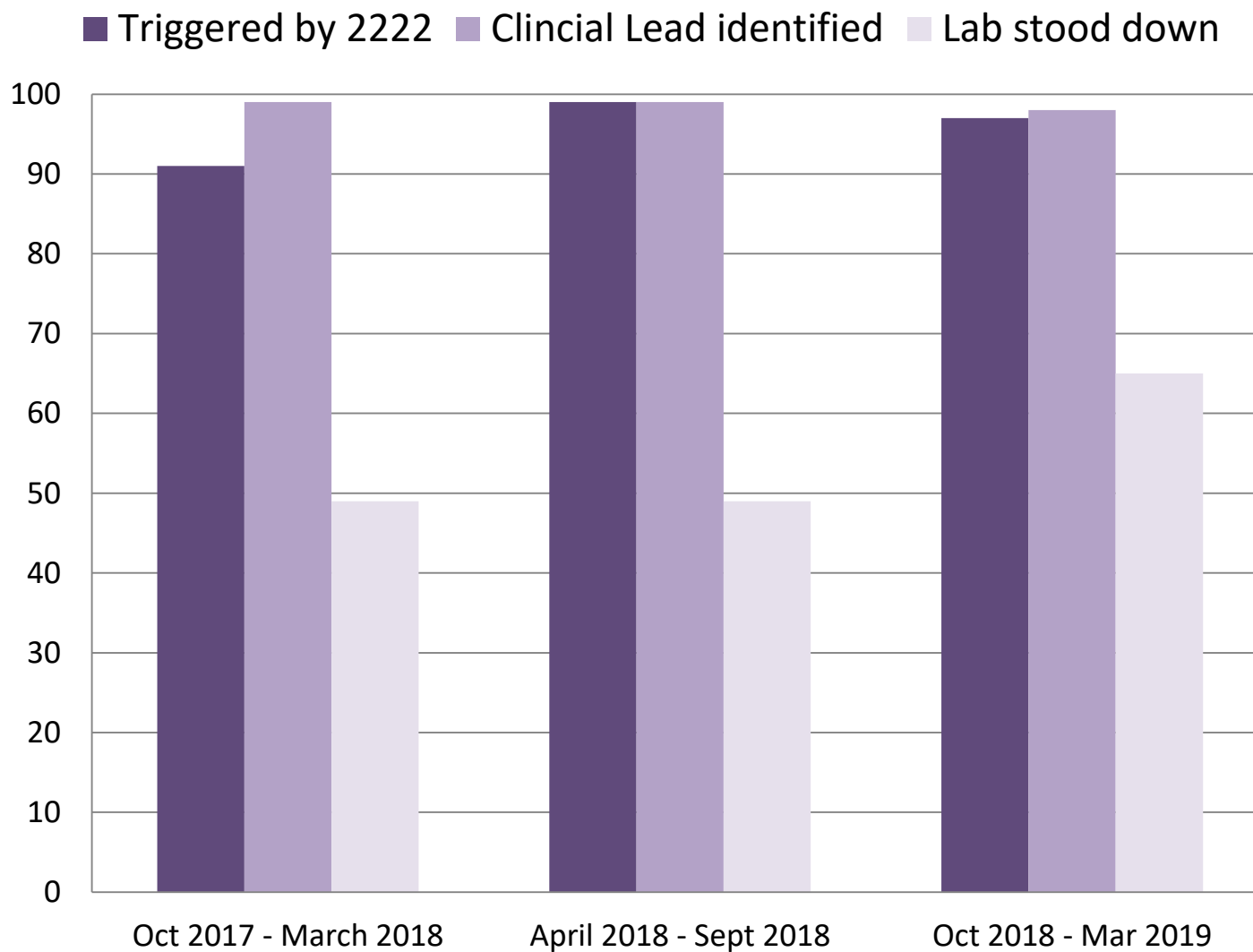
Royal Berkshire  
NHS Foundation Trust



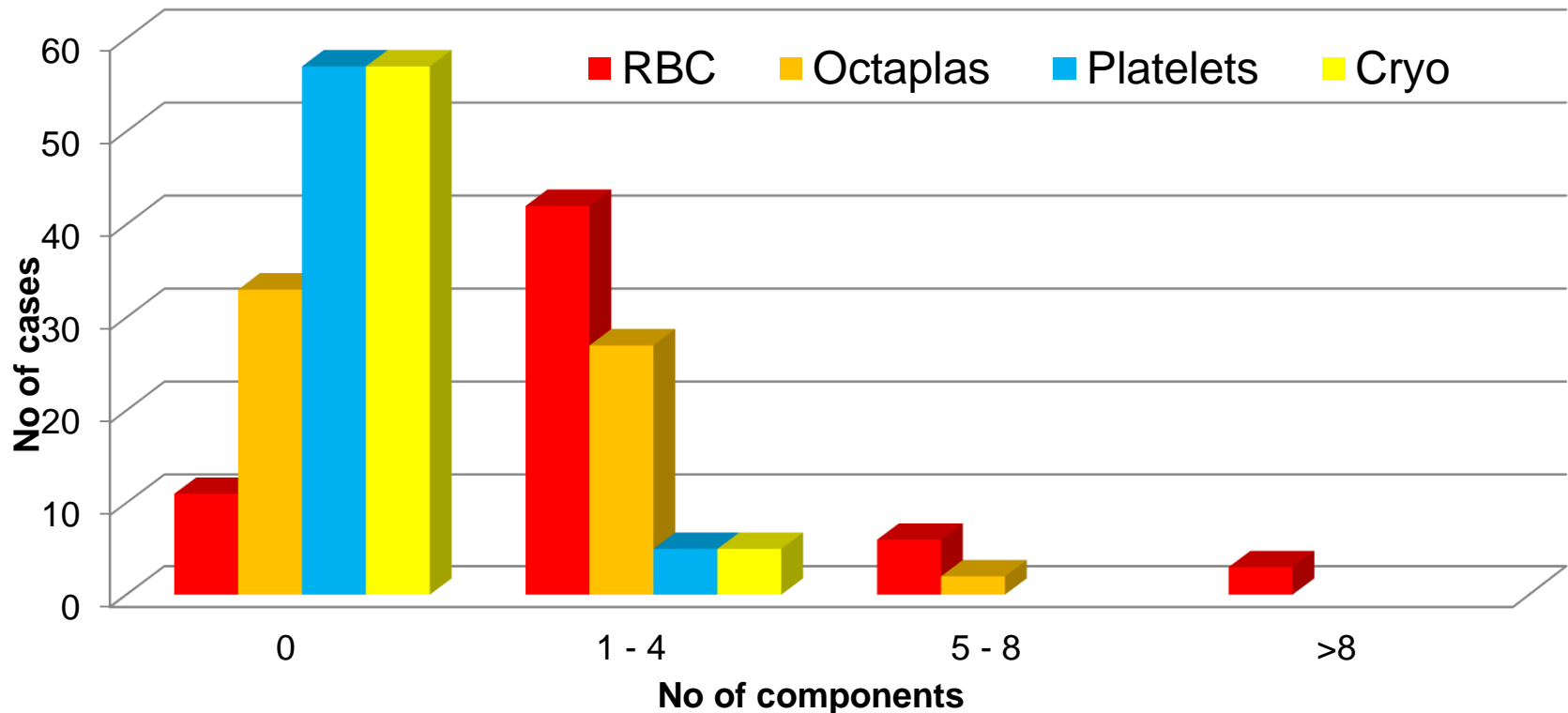
# MH Location & Specialty



# Communication

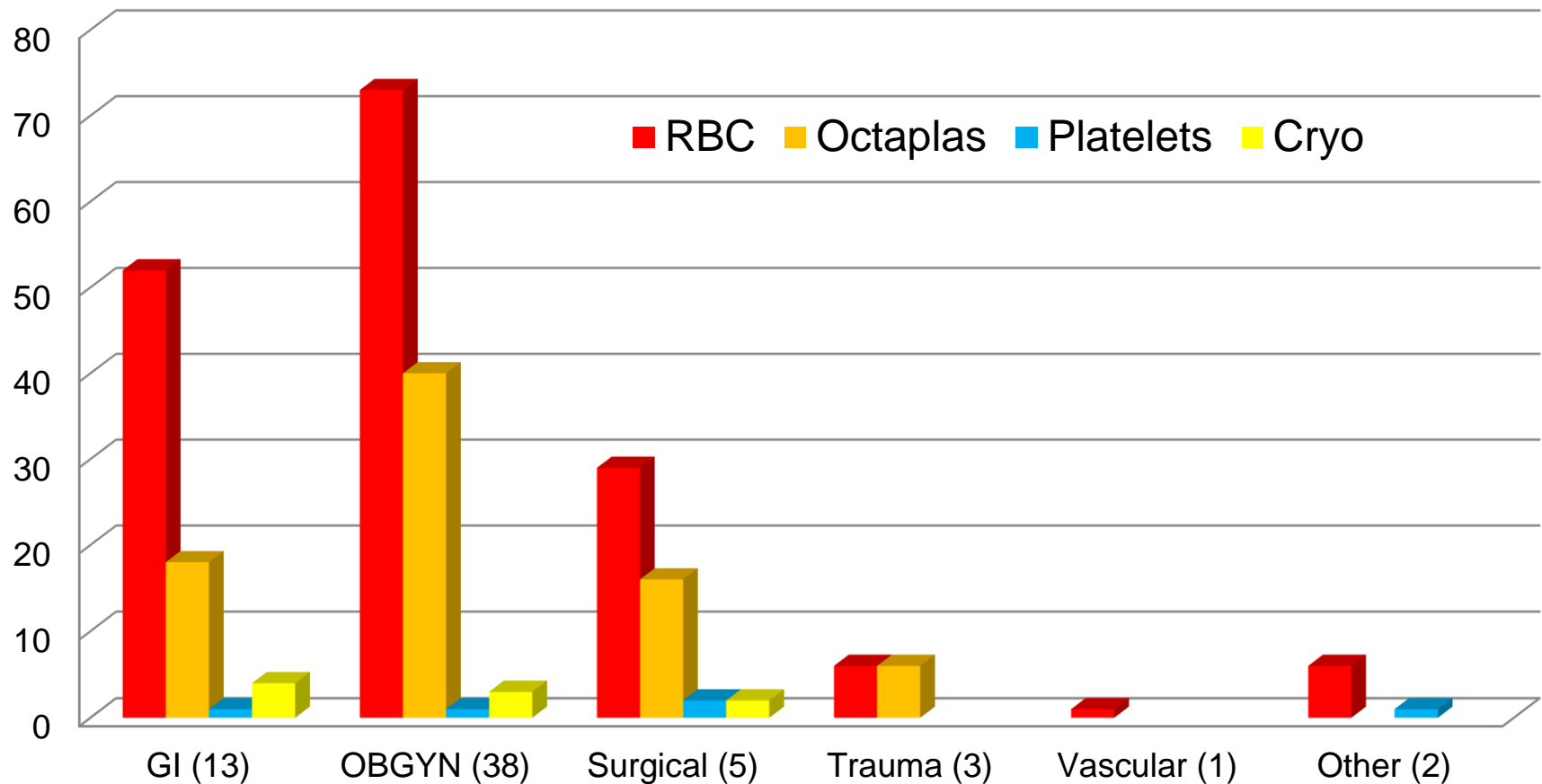


# Transfusion Support



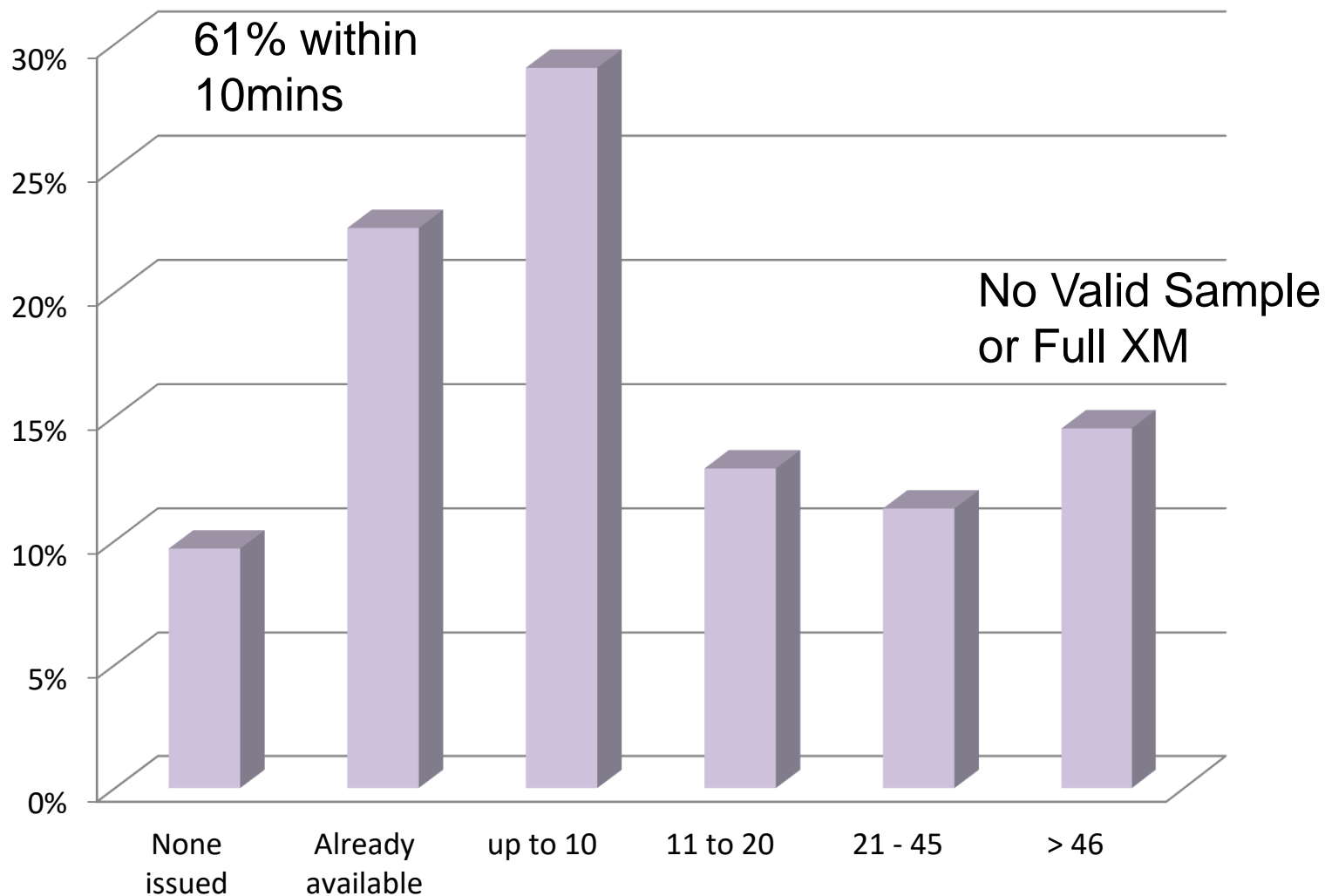
RBC units per MH (n)	2.7
Plasma units per MH (n)	1.3
Emergency units as % of MHs	31

# Transfusion Support





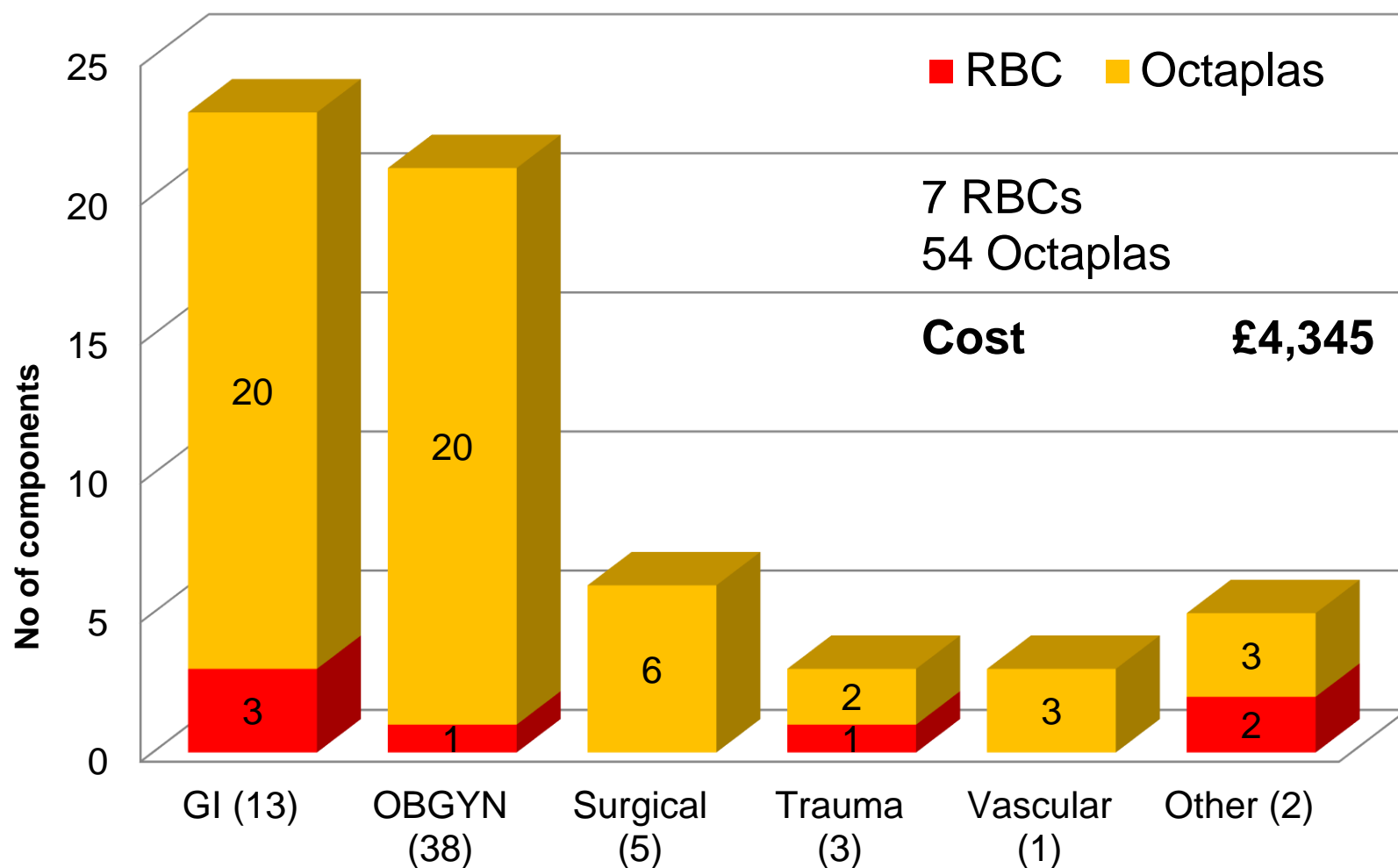
# Transfusion Support



# Haemostatic Tests

FBC in 30 mins (%)	95
Platelet result (%)	92
Clotting in 30 mins (%)	90
Fibrinogen result (%)	51
Platelets not given & count < 50 (n)	NA
Platelets when count > 50 (n)	4
Cryoprecipitate not given & Fib < 1.5 / 2.0 (n)	1
Cryoprecipitate given & Fib > 1.5 / 2.0 (n)	2

# Wasted Components



# Tranexamic Acid

Given within 3 hrs (%)	98
Used in Obstetrics (%)	100
Used in Trauma (%)	100
Used in GI Bleed (%)	100
Used in Surgical (%)	100
Used in Vascular (%)	0

# How does RBH compare? Positives

	<b>ASPH</b>	<b>FPH</b>	<b>WPH</b>	<b>RBH</b>	<b>RSCH</b>
Major Haemorrhage (n)	66	59	44	62	52
Communication					
Triggered by 2222 (%)	55	61	61	97	98
Status of MH stated (%)	62	90	100	100	94
Haemostatic blood tests					
FBC within 30 mins (%)	56	56	55	95	42
Clotting within 30 mins (%)	42	36	39	90	31
Fibrinogen available (%)	36	7	18	51	10
Tranexamic acid					
TXA given within 3 hrs (%)	60	58	85	98	67

# How does RBH compare? Negatives

	<b>ASPH</b>	<b>FPH</b>	<b>WPH</b>	<b>RBH</b>	<b>RSCH</b>
Obstetric triggers (%)	32	46	52	61	56
Communication					
Lab stood down (%)	30	56	84	65	73
Blood components					
RBCs available in 10 mins (%)	60	54	73	61	65
Wasted components					
Plasma units (n)	29	28	63	54	45

# Way Forward

- Communicate importance of stand down
- Reduce plasma wastage, introduce 120 hrs shelf life for Octaplas
- Fibrinogen to be automatically ticked on Major Haemorrhage care set on EPR
- Reduce number of Major Obstetric Haemorrhages

# Actions to reduce MOHs



Weekly  
review of  
cases

Reduce trigger  
to 1500mls

ROTEM trial &  
business case

EBL Skills Drills

Under buttock  
drapes to weigh  
blood loss






Midwives give  
TXA at 500mls





So .....

## Early results for Q1&2 2019

- MH activations increased to 112 
- Obstetric cases increased to 78% 
- Stand down increased to 71% 
- Wasted plasma units decreased to 33   
and obstetric only 4 

# Conclusion

- Audit of all Major Haemorrhages enables gaps in MH policy and national guidelines to be identified
- Education and Action plans can be targeted to key areas & staff
- Comparing MH audit results with similar Trusts enables sharing of good practice