Pennine Acute Joint Overview & Scrutiny Committee

IM&T Update
15th October 2018

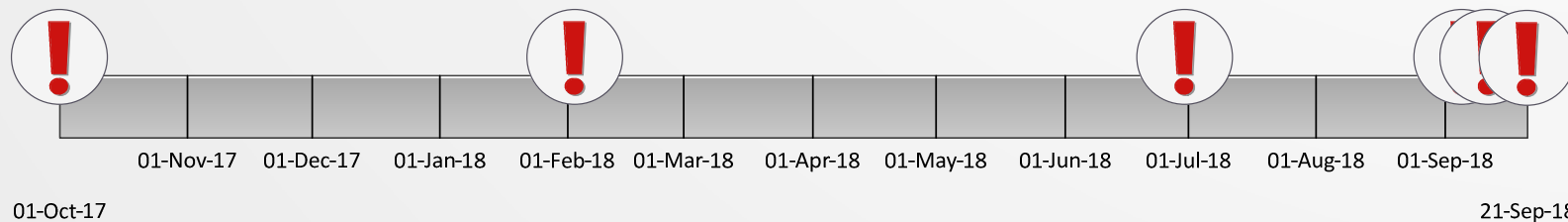Phill James
Associate Chief Information Officer

Stabilising Technology Infrastructure Business Case

- Approved May 2018
- Investment in workforce capability and capacity
- Mitigate most serious, immediate, patient care affecting issues:
    - **Local Networks plus WiFi**
    - Wide Area Networks
    - Storage and Data Backup
    - Compute
    - Mobility
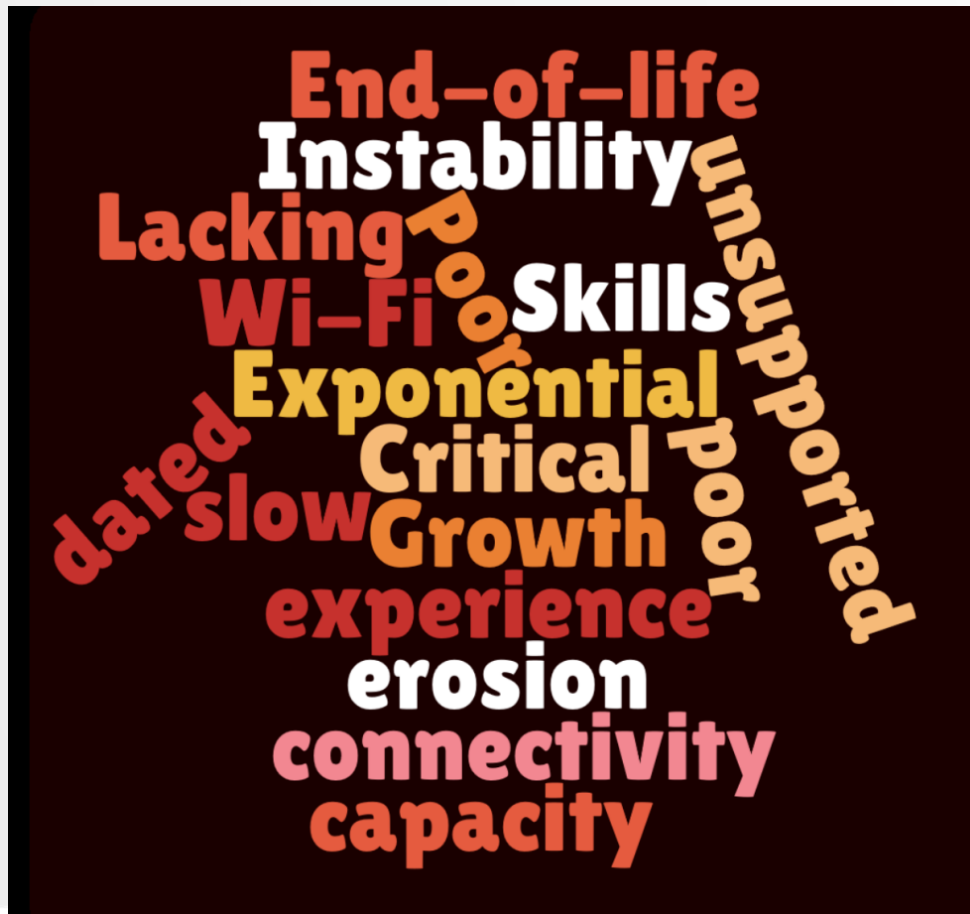   - Internet Access / Spine Access
    - Email

Key Target Milestones

ID	Key Project	Start	Finish	Q4 18			Q1 19			Q2 19			Q3 19			Q4 19			Q1 20			Q2 20			Q3 20		
				Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	PAS Hardware Upgrade	31-Oct-18	31-Oct-18																								
2	PAS Software Upgrade	30-Nov-18	30-Nov-18																								
3	Local Area Network inc WiFi (Procurement)	01-Oct-18	01-Nov-18																								
4	Local Area Network Support Works (Fibres etc)	28-Sep-18	31-May-19																								
5	Local Area Network inc WiFi (Deployment)	01-Jan-19	01-Jan-20																								
6	Storage & Compute (Procurement)	01-Oct-18	15-Nov-18																								
7	Storage & Compute (Deployment)	16-Nov-18	23-Sep-20																								
8	Strategic Email Solution – Business Case	21-Dec-18	21-Dec-18																								
9	Strategic Mobile Device Management – Business Case	21-Dec-18	21-Dec-18																								
10	A&E Symphony Upgrade	13-Nov-18	13-Nov-18																								
11	A&E Symphony Enhancements (FGH, Records sharing, MTS v3, etc)	19-Nov-18	01-Jul-19																								
12	Evolve Upgrade	01-Apr-19	01-Apr-19																								
13	G2 Speech Upgrade	01-Feb-19	01-Feb-19																								
14	Trendcare Deployment	01-Oct-18	01-Oct-18																								
15	Complex Chemotherapy Deployment	01-Oct-18	01-Oct-18																								
16	Electronic Patient Record Business Case	01-Oct-18	01-Oct-18																								

High Impact Network Outages

Time Period	Incident
Autumn 2017	**Total Loss Of Comms To Oldham Hospital**
2nd February 2018	Partial Loss Of Oldham Hospital
30th June 2018	Partial Loss Of Oldham Hospital
5th September 2018	**Total Loss Of Comms To Fairfield Hospital**
5th – 14th September 2018	Fairfield/Rochdale WiFi Instability
13th/14th September 2018	**Loss Of Access To All Trust Applications**
21st September 2018	Partial Loss Of North Manchester

01-Oct-17

01-Nov-17 01-Dec-17 01-Jan-18 01-Feb-18 01-Mar-18 01-Apr-18 01-May-18 01-Jun-18 01-Jul-18 01-Aug-18 01-Sep-18

21-Sep-18

Key Network Concerns

Failure Root Causes - Themes

- Aged Hardware Failure
- Out Of Support Software
- Legacy Configurations

Debrief – 16th October 2018

Strengthening The Networks

Summer 2017 – Procured New Wide Area Network:

- Implementation to complete October 2018

May 2018 – Stabilising Technology Infrastructure Business Case:

- Securing of funds to "make the difference"
- Strengthening of staffing skills / capacity

September 2018 – Immediate Measures:

- Acceleration of Network Procurement
- On site supplier presence – urgent review of emerging weaknesses
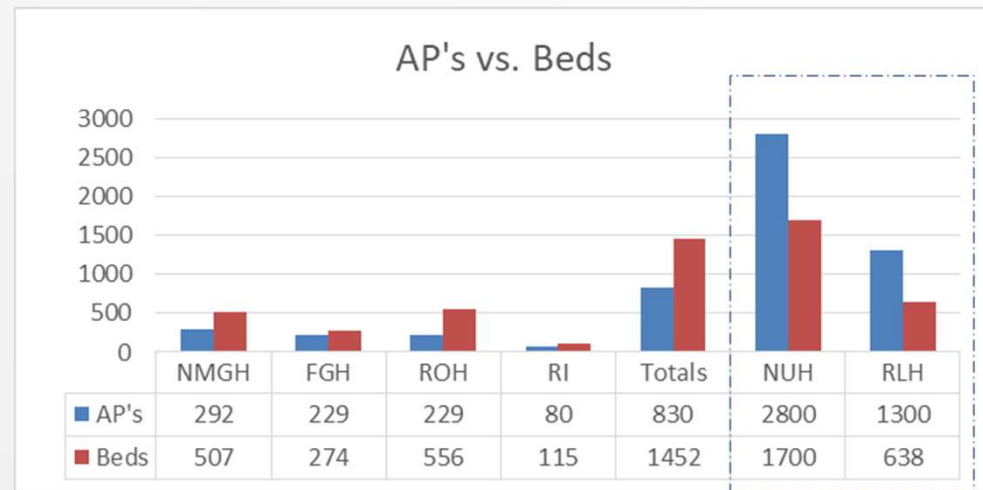- On site Cyber expertise – assess risks and action further improvements

Scale Of Local Deployment

Device type	No. devices
Desktop PCs	3850
Wyse devices	2900
Laptops	1250
Tablets	2250
Smartphones	500
Medical devices (wired / wireless)	2500
TOTAL	13250

There are currently 25000 devices in use across the Trust - numbers are growing

Significant Networks Project

Type	No.
Equipment Locations / Cabinets	140
Switches	417
Firewalls	6
WiFi Access Points	830
TOTAL	1390

Capability to be grown via project, especially WiFi for EPR readiness

AP's vs. Beds

	NMGH	FGH	ROH	RI	Totals	NUH	RLH
AP's	292	229	229	80	830	2800	1300
Beds	507	274	556	115	1452	1700	638

QUESTIONS