

Bring Your Own Device and other stuff

JISC NHS HE Forum, 24th November 2020

NHS Digital Academy



NHS Digital Academy



PROGRAMME OVERVIEW

MODULE 1

Essentials of health systems

online learning:
26 Apr - 30 May 2018

assessment:
31 May - 13 Jun 2018

MODULE 2

Implementing transformational change

online learning:
14 Jun - 8 Aug 2018

assessment:
9 Aug - 29 Aug 2018

MODULE 3

Health information systems and technologies

online learning:
13 Sep - 31 Oct 2018

assessment:
1 Nov - 21 Nov 2018

MODULE 4

User-centred design and citizen-driven informatics

online learning:
29 Nov 2018 - 9 Jan 2019

assessment:
10 Jan - 30 Jan 2019

MODULE 5

Decision support, knowledge management and actionable analytics

online learning:
7 Feb - 20 Mar 2019

assessment:
21 Mar - 10 Apr 2019

MODULE 6

Leadership and transformational change

taught through the four in person residencies

assessment:
due Apr 2019

residential 1:
16 Apr - 18 Apr 2018

residential 2:
4 Jul - 6 Jul 2018

break:
30 Aug - 12 Sep 2018

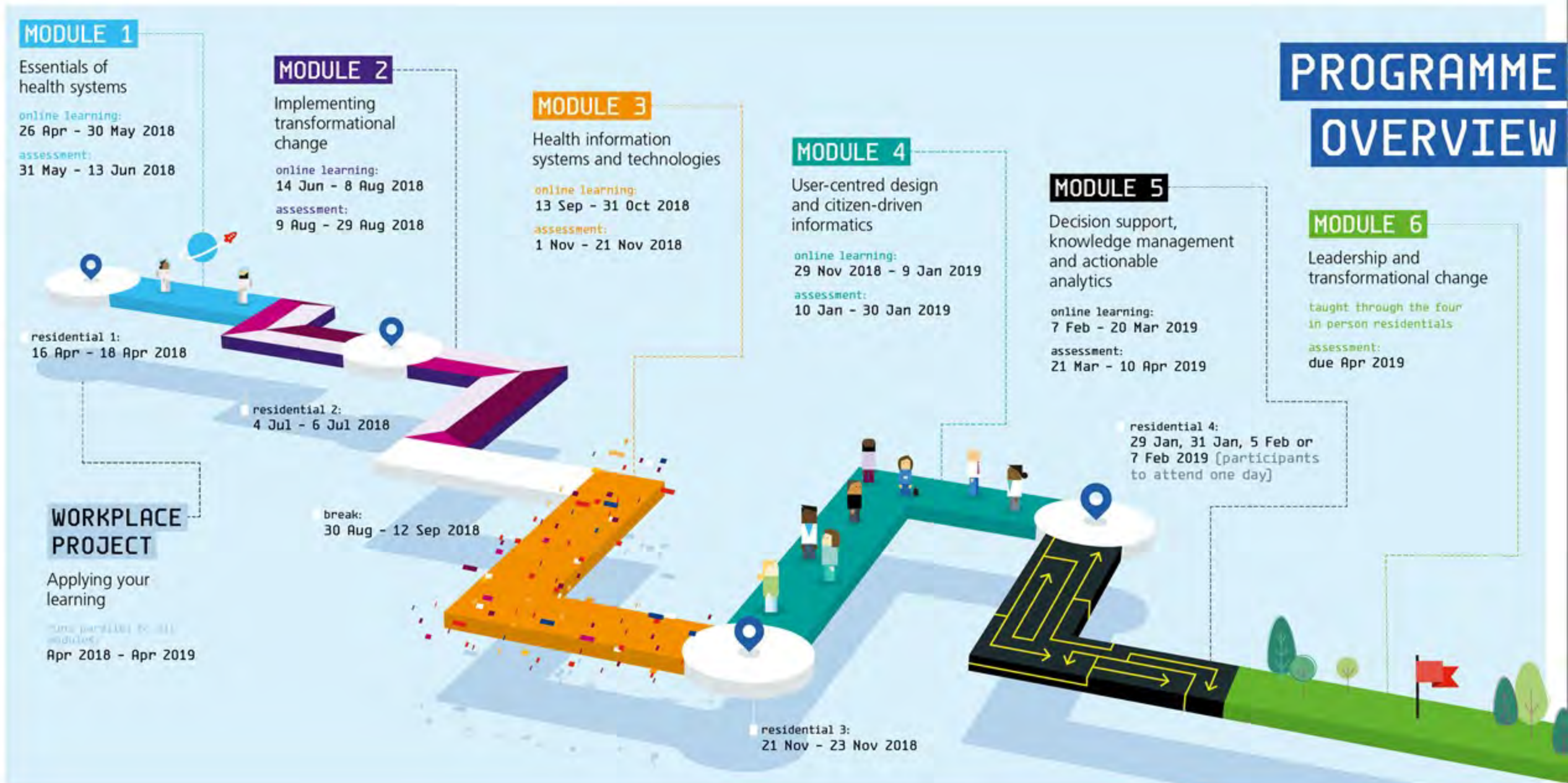
residential 4:
29 Jan, 31 Jan, 5 Feb or
7 Feb 2019 (participants
to attend one day)

WORKPLACE PROJECT

Applying your learning

runs parallel to all
modules
Apr 2018 - Apr 2019

residential 3:
21 Nov - 23 Nov 2018





NHS Digital Academy – year two MSc

Selected research question:

Do the benefits of implementing Bring Your Own Device (BYOD) in UK healthcare market outweigh the potential risks, and is there an optimum implementation methodology that NHS trusts should follow?

BYOD

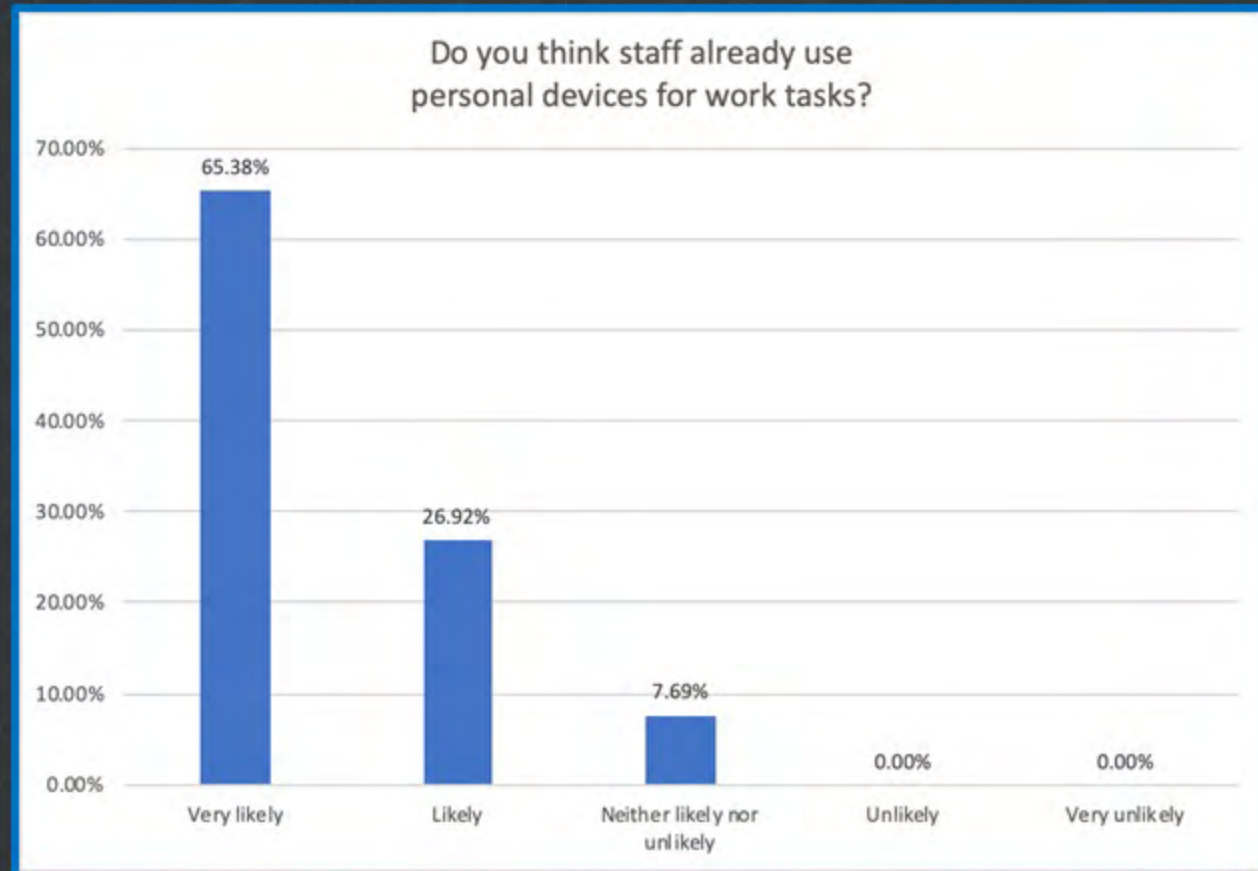
Where were organisations
on the BYOD scale?



BYOD

Where were organisations
on the BYOD scale?

Happening in 90% Trusts

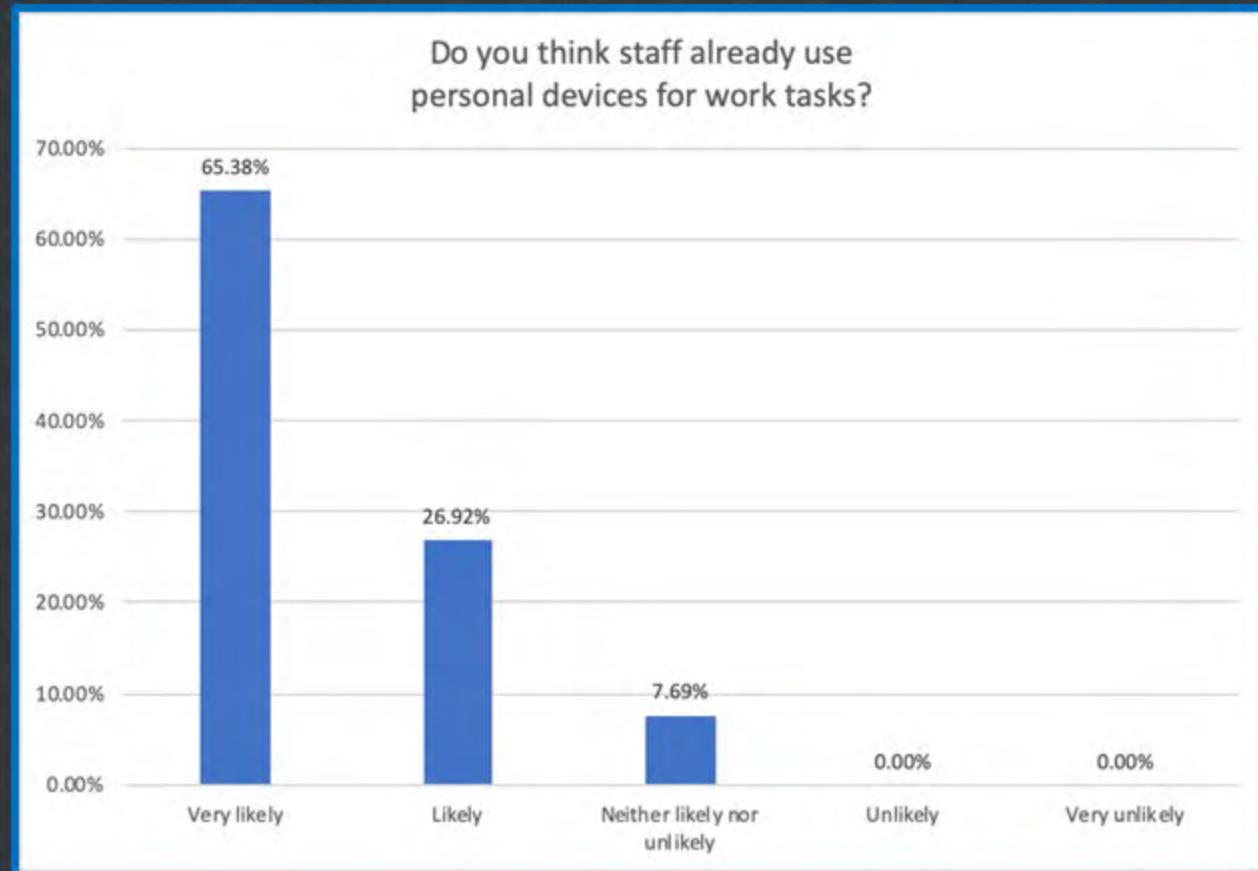


BYOD

Where were organisations
on the BYOD scale?

Happening in 90% Trusts

Where were staff
on the BYOD scale?



BYOD

Where were organisations
on the BYOD scale?

Happening in 90% Trusts

Where were staff
on the BYOD scale?

80% want to use BYOD

Should employees be able to use
their personal devices for work
tasks? #BYOD

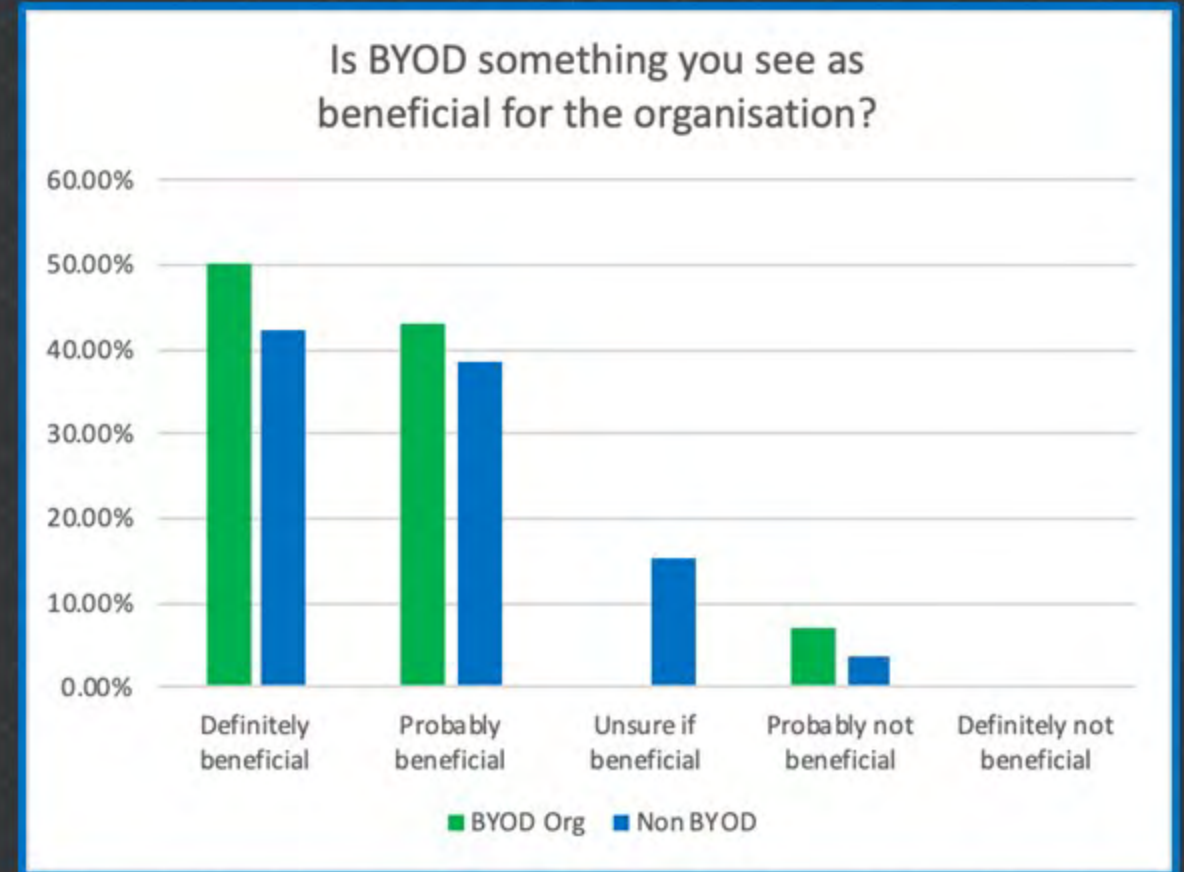


166 votes · Final results

BYOD

Is BYOD beneficial for the organisation?

80% of Trusts say definitely or probably

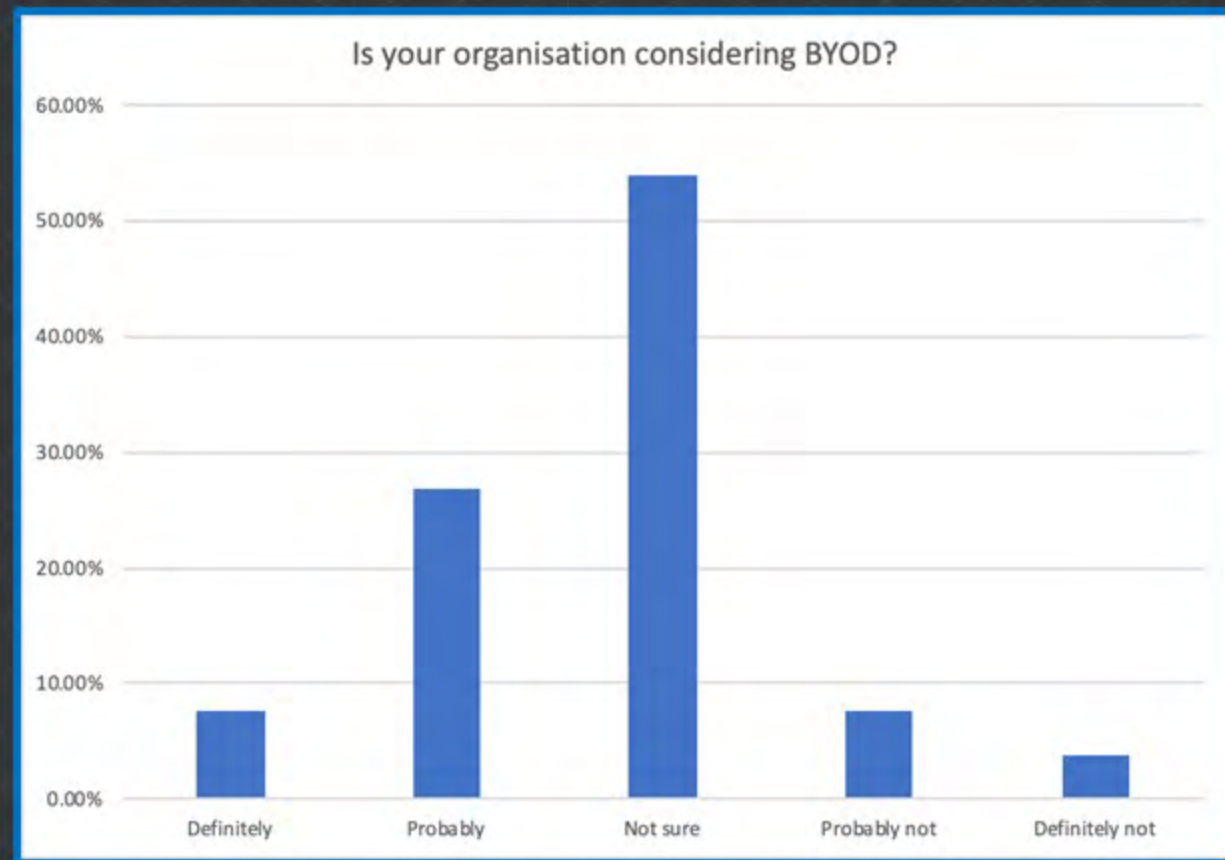


BYOD

Are you considering
BYOD?

65% of Trusts say
Not Sure or No.

Only 35% say Definitely
or Probably.





BYOD – summary so far...

Do staff already use personal devices for work tasks?

90% Likely or Very Likely

Is BYOD beneficial for the organisation?

80% of Non BYOD Trusts say Definitely or Probably

Are you considering BYOD?

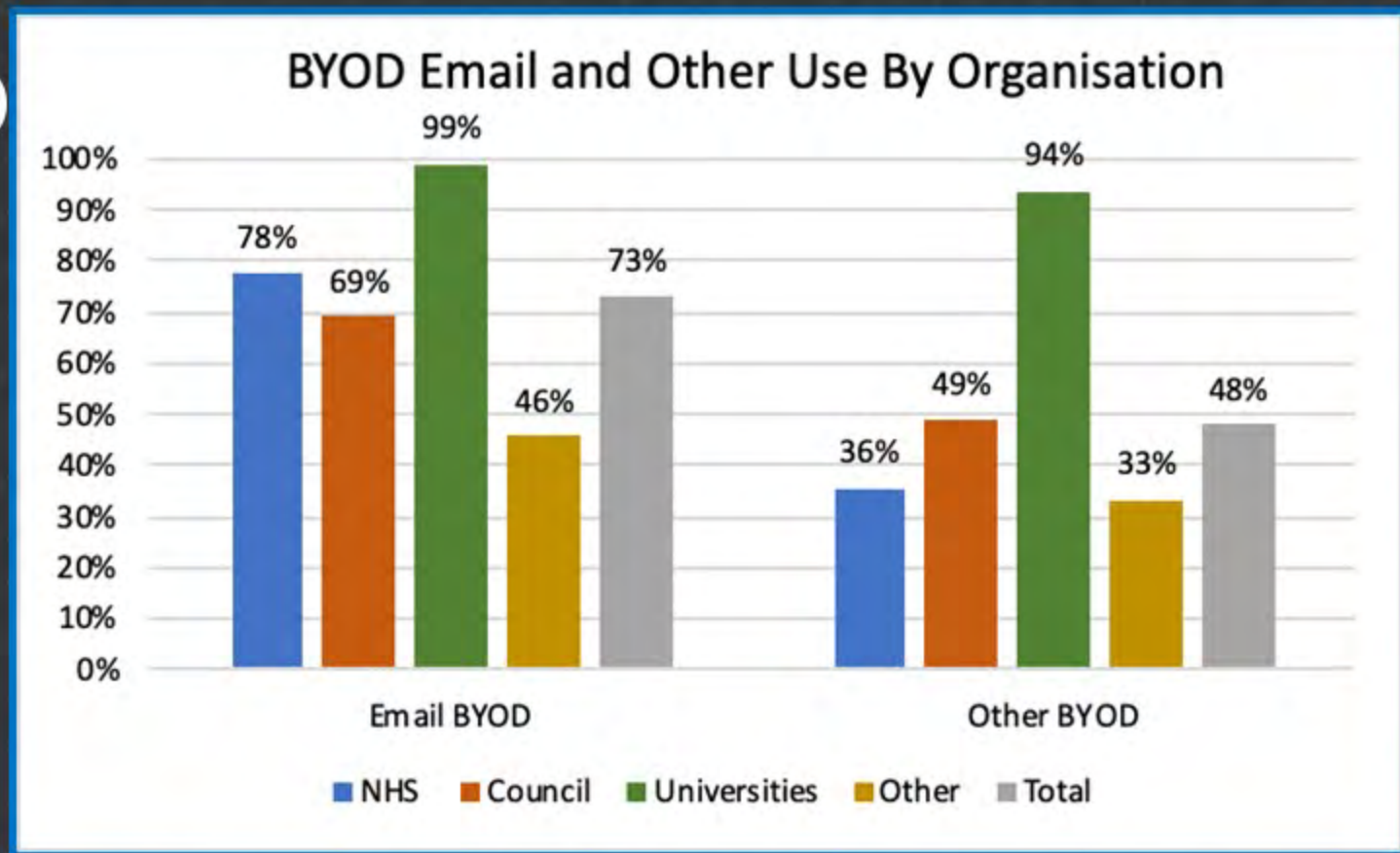
35% of Non BYOD Trusts say Definitely or Probably

BYOD Trusts

Declared use of BYOD

78% of Trusts using
BYOD for email

36% of Trusts using
BYOD for other stuff



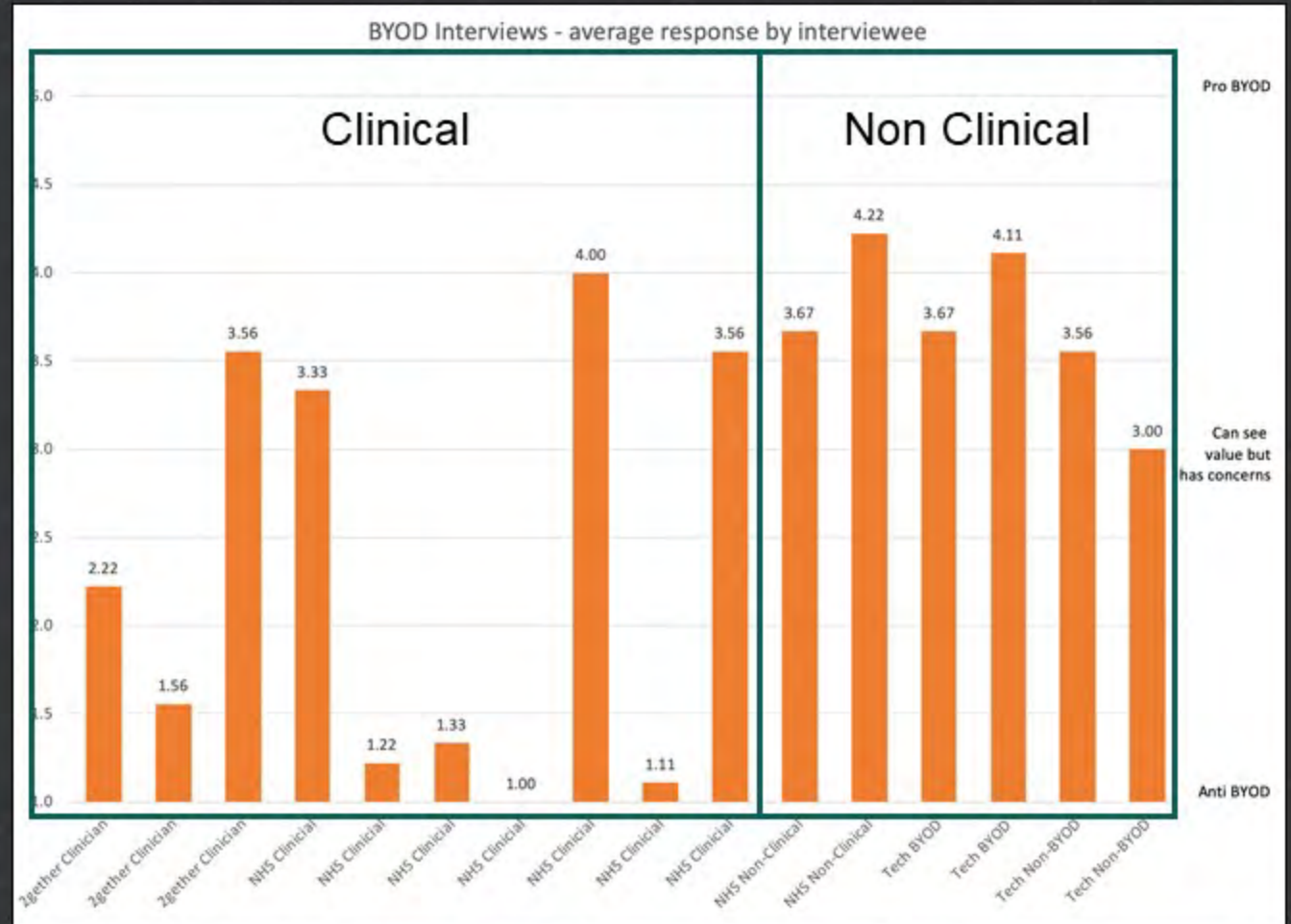
BYOD

Risks

Office based staff
keen for BYOD

Senior clinicians often
anti BYOD

Need protection
mechanisms



BYOD

Risks

IT staff fearful of support impact caused by BYOD

Where implemented support was seen as less problematic

How would you rank the following risks in relation to BYOD?		
Group	BYOD Org	Non-BYOD
Data loss from staff members personal device	1st	5th
Increase in unpatched devices	2nd	2nd
Network capacity issues	3rd	6th
Rise in staff non-compliance with policies	4th	3th
Reputational damage caused by BYOD issues	5th	4th
Increased user support requirement	6th	1st

Table 14. *Difference between BYOD and non-BYOD organisational technical risk rating*

BYOD

Risks

The risks need to be properly considered and clinical staff concerns given special attention

Work / Life balance (Köffer et al, 2014)
Compensation (Kanaracus, 2013)
Change (Fitzgerald et al, 2013)
Engagement (Westerman et al, 2014)
Policy Legacy (Stephens et al, 2017)
IT Model (Williams, 2014)



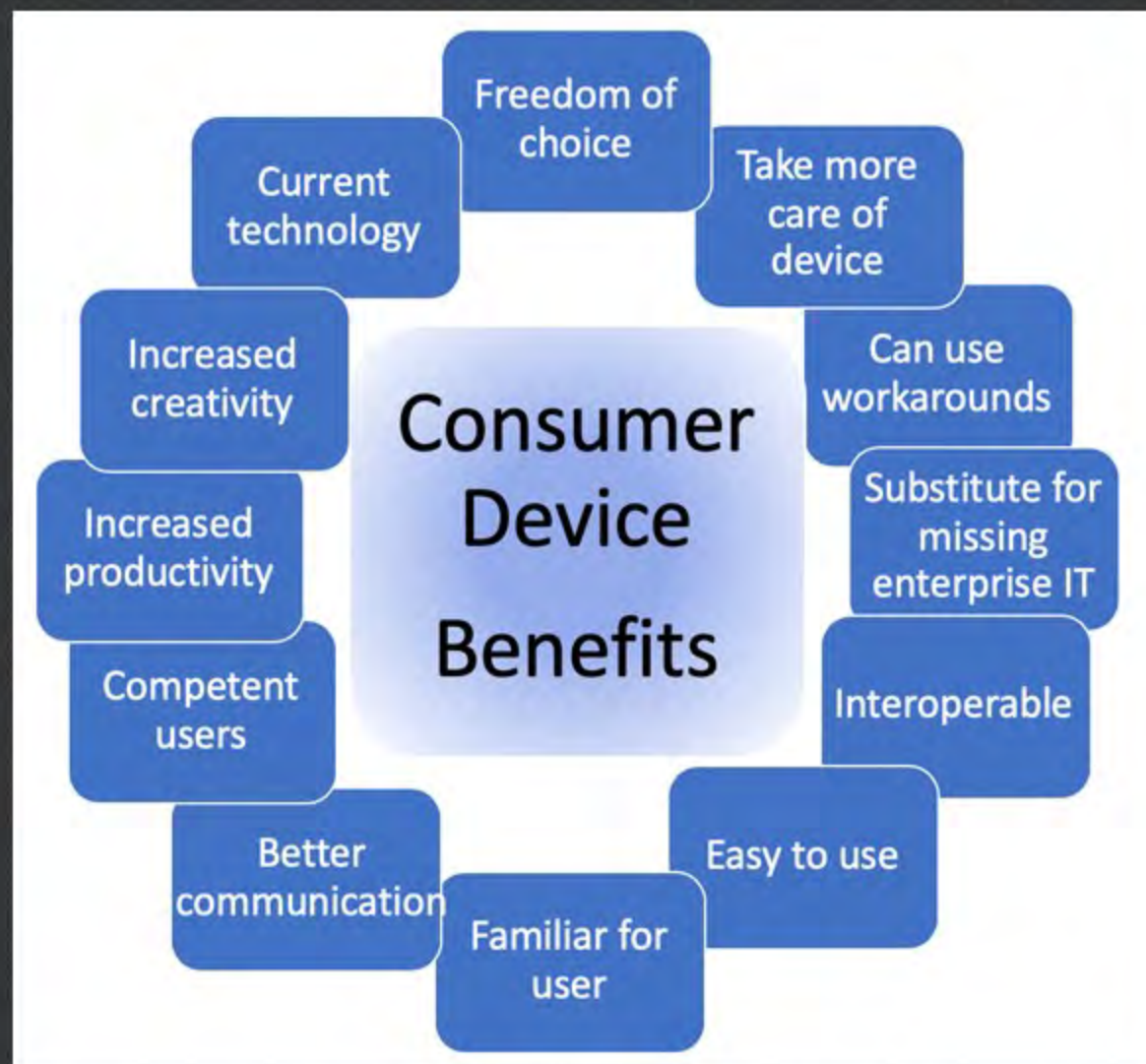
BYOD

Benefits

Benefits can outweigh the risks if the implementation is done carefully with lots of engagement

Choice (Capgemini Consulting, 2013)
Control (Cidon, 2015)
Efficiency (Health IT Security, 2013)
Environment (Oaks, 2013)
Expectation (Weeger et al, 2015)

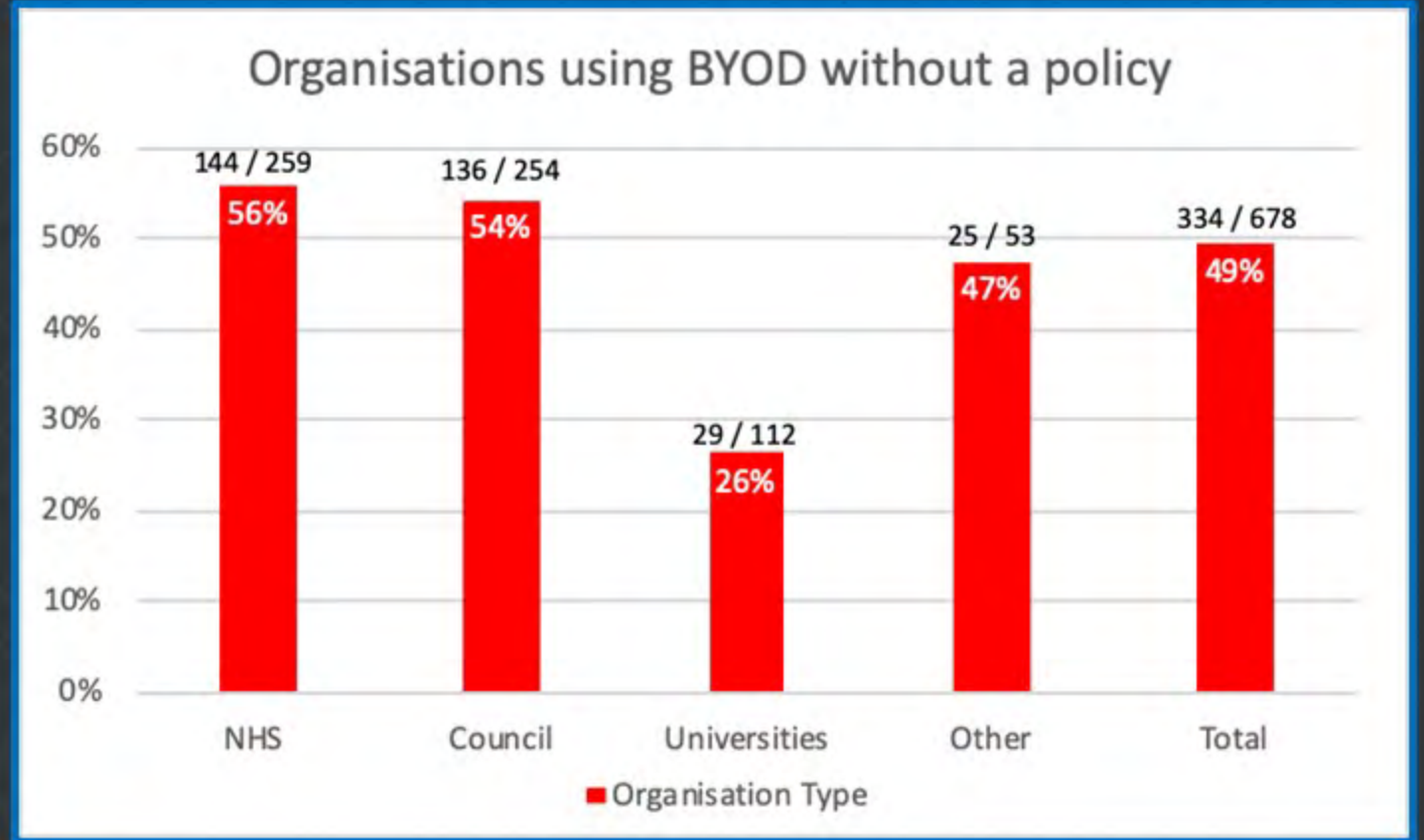
Innovation (Chen, 2013)
Retention (Weeger et al, 2015)
Support Costs (Mahindru, 2013)
Task Fit (Goodhue & Thompson, 1995)



BYOD

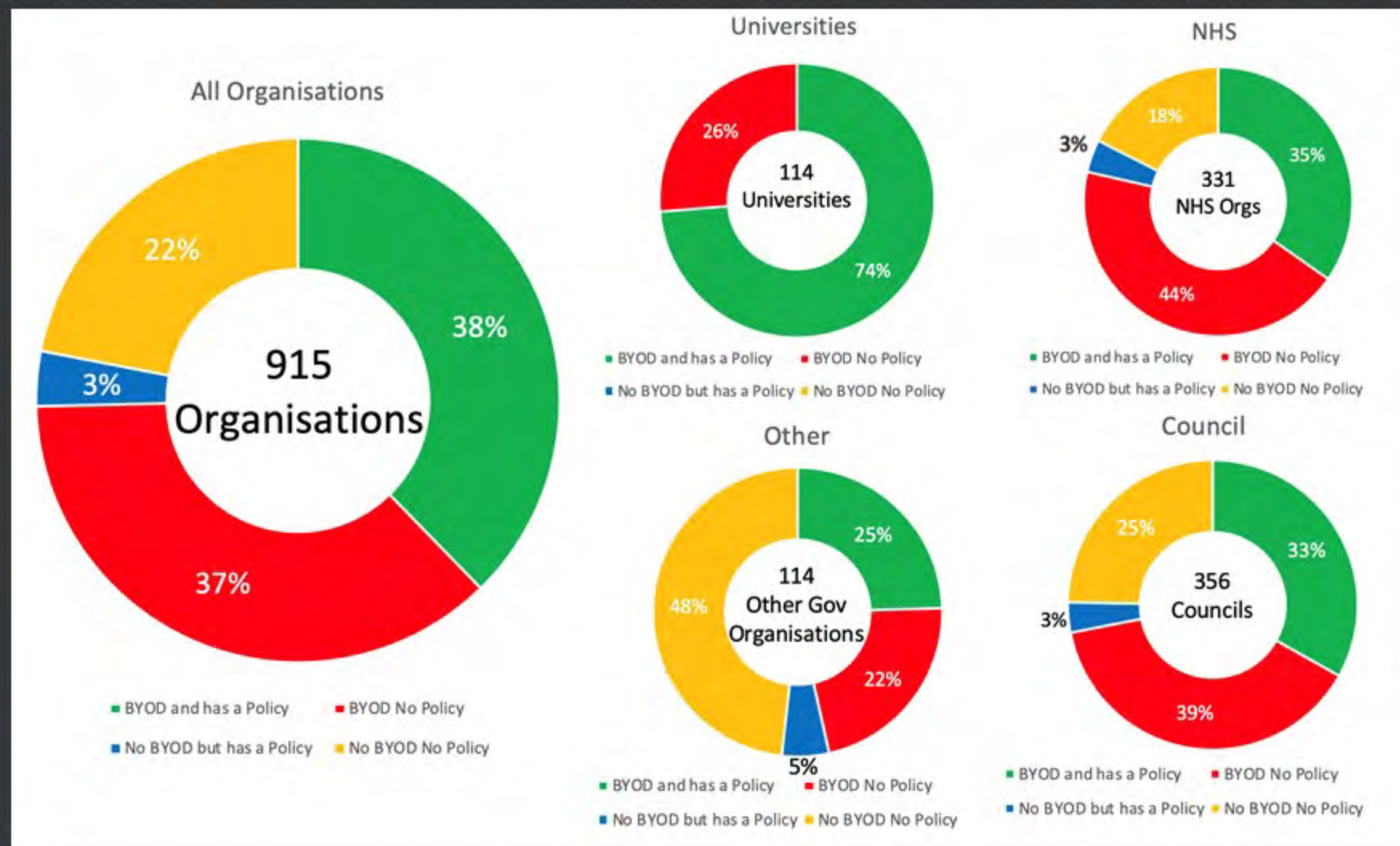
Policies in place?

56% of Trusts say they use BYOD but do not have a policy



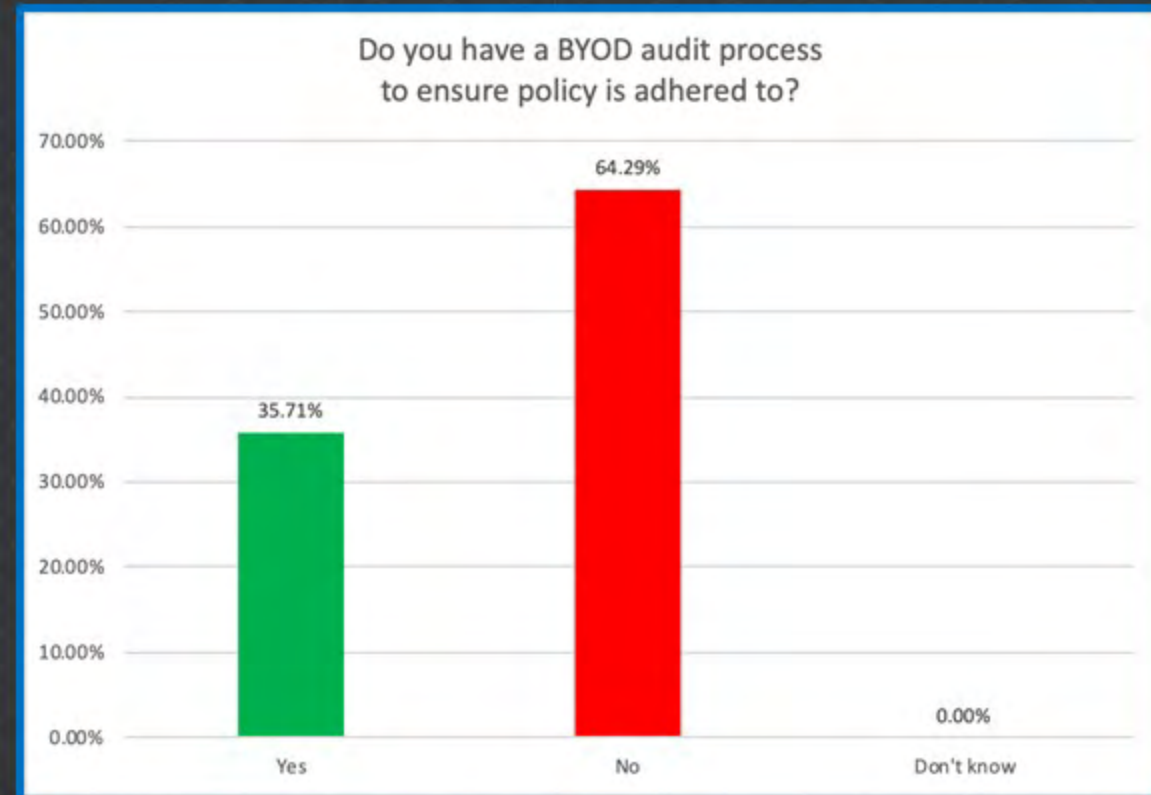
BYOD

Policies by organisation



BYOD

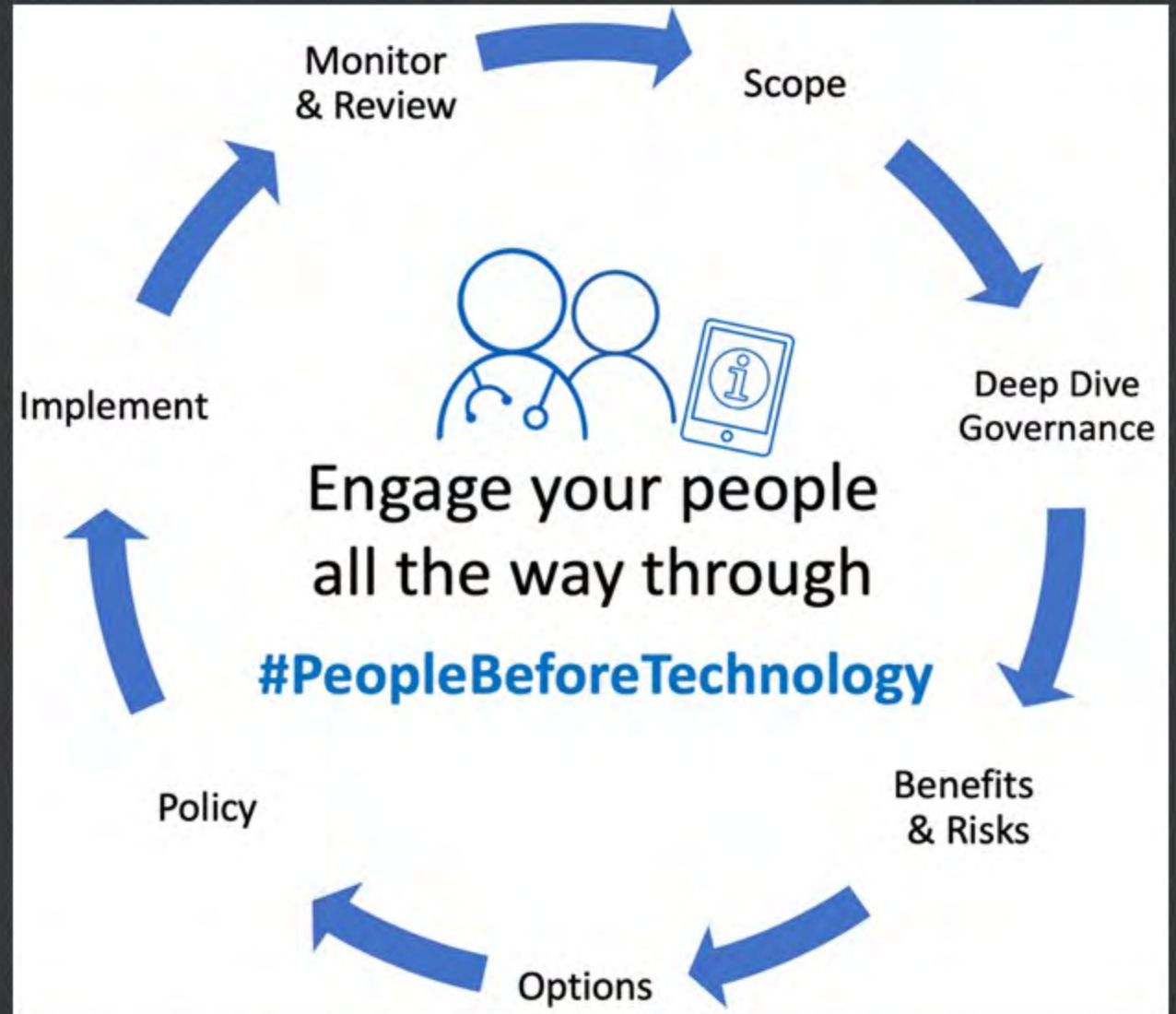
Auditing in place?
Only 36% of Trusts
audit they're BYOD
usage



BYOD

Policy approach is inconsistent

Example policy and implementation guidance produced.



BYOD

#PeopleBeforeTechnology

Have a Policy, Make it accessible

Maintain it, Monitor & audit it

Make it easier to do the right thing
than the wrong thing

BYOD Documents

Full research paper with appendices including example policy & implementation guidance

- <http://eprints.glos.ac.uk/8924/>

NHSX References

- <https://www.nhsx.nhs.uk/key-tools-and-info/procurement-frameworks/clinical-communications-procurement-framework/>
- <https://www.nhsx.nhs.uk/blogs/bring-your-own-device-more-important-now-than-ever/>
- <https://www.nhsx.nhs.uk/key-tools-and-info/procurement-frameworks/clinical-communications-procurement-framework/bring-your-own-device-policy/>
- https://www.nhsx.nhs.uk/media/documents/Bring_Your_Own_Device_Guide_v1.0.pdf



Other Stuff – Covid and the move online

Digital examinations

LecturePRO

Virtual classroom

Cyber security

Curriculum analytics

Future libraries

Research4Gloucestershire – NHS & HE collab.

Digital Examinations

Rob Blagden

Exams scheduled today
1

Your courses in progress
36

Courses with exams awaiting marking & feedback
2

Submissions awaiting marking & feedback
5

Find Courses
Quickly find the courses you manage

Faculty
Filter by Faculty...

Department
Filter by Department...

Exams Awaiting Approval
The courses below have exams awaiting approval or rejection

▼ Bernadett's Test course

Rob Blagden

Course Overview

- Exams
- Question Bank
- Rubrics
- Users
- Students

Exam editor | Exam sittings

Create and modify your exam

☒ Customize exam welcome screen

Welcome

Edit Preview

1. ☐

1. ☐ **Essay Q**
In no more than 500 words, discuss ho...
Essay with rich text

2. ☐ **Multi choice**
Which of the following treats do you con...
Multiple choice

3. ☐ **Fill in the blanks**
1Response are best when they have I...
Cloze association

4. ☐ **Matching**
[This is the stem]
Match list

LecturePRO



LAYOUT A

LAYOUT B

LAYOUT C


Setup







 UNIVERSITY OF
GLOUCESTERSHIRE

Select a Layout A, B or C
Drag to place webcam windows
Resize via bottom right corner
Hide/Show webcam in each Layout
Use Swap Buttons to switch places
Switch on Record if required

Click GoLive! when ready
Move between Layouts when Live

About

General

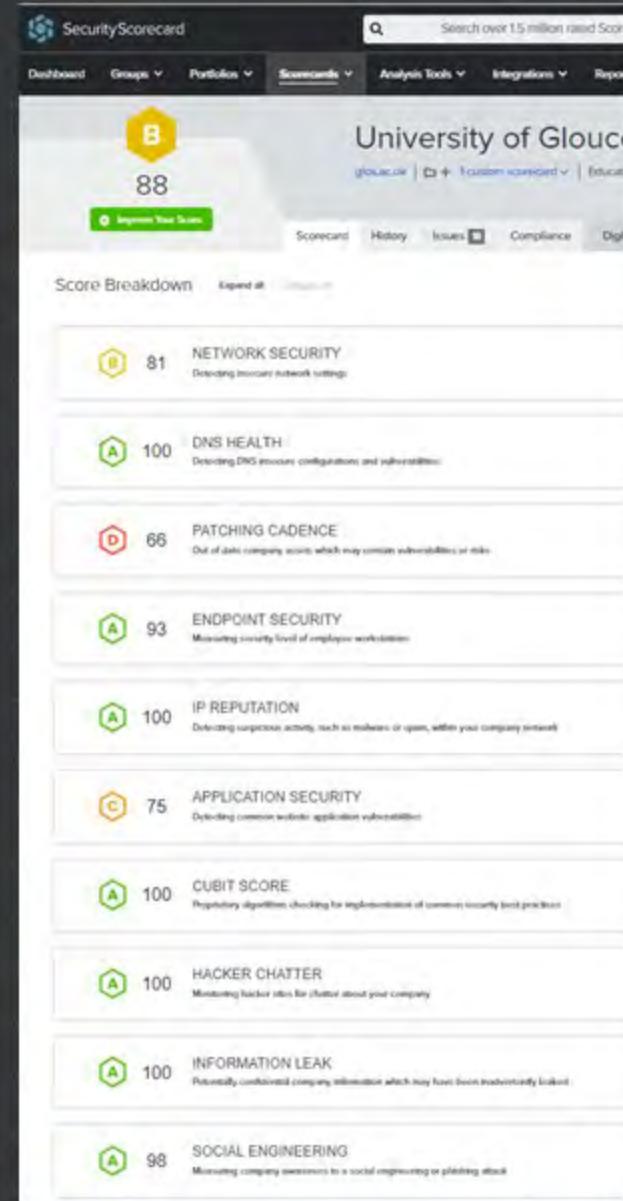
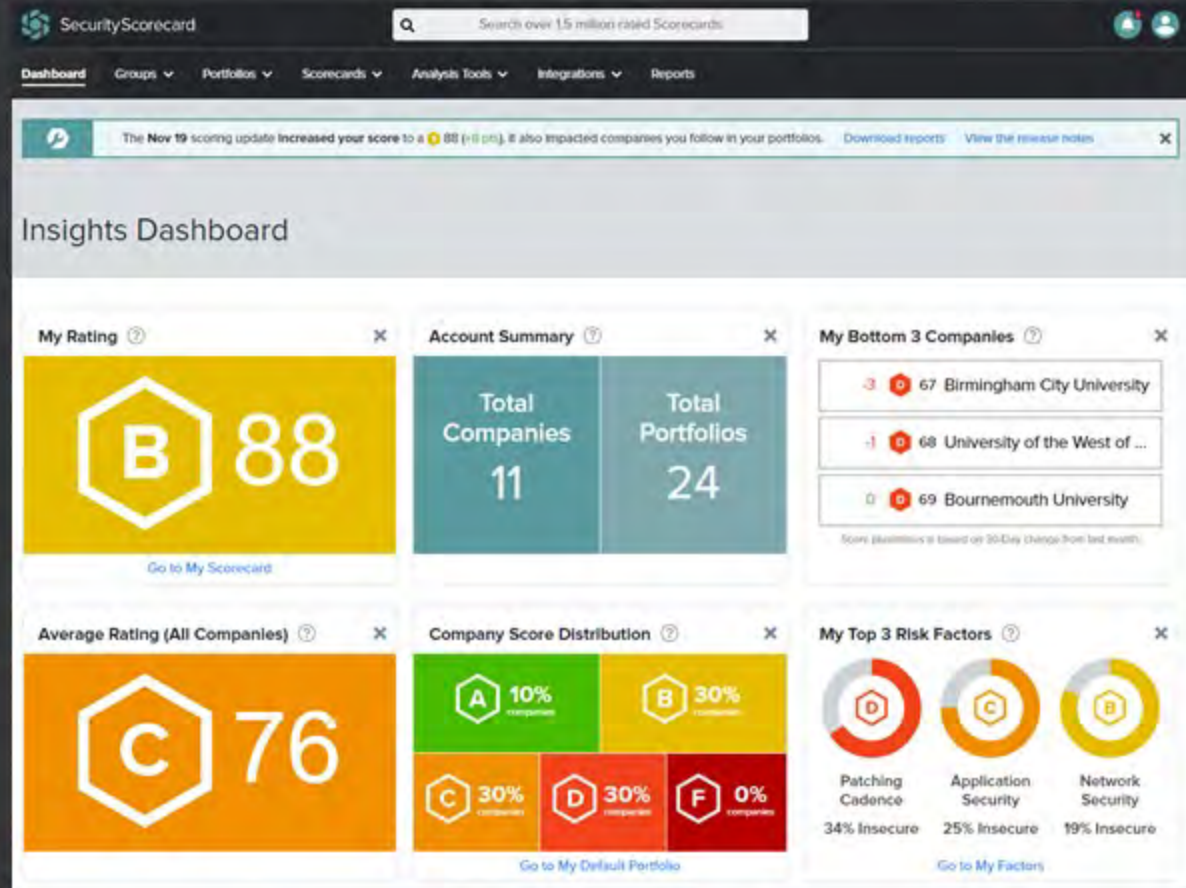
Setup
Webcams

Centre
WebCams

Virtual Classroom



Cyber Security



Comparator Universities

This is a company's shared portfolio.

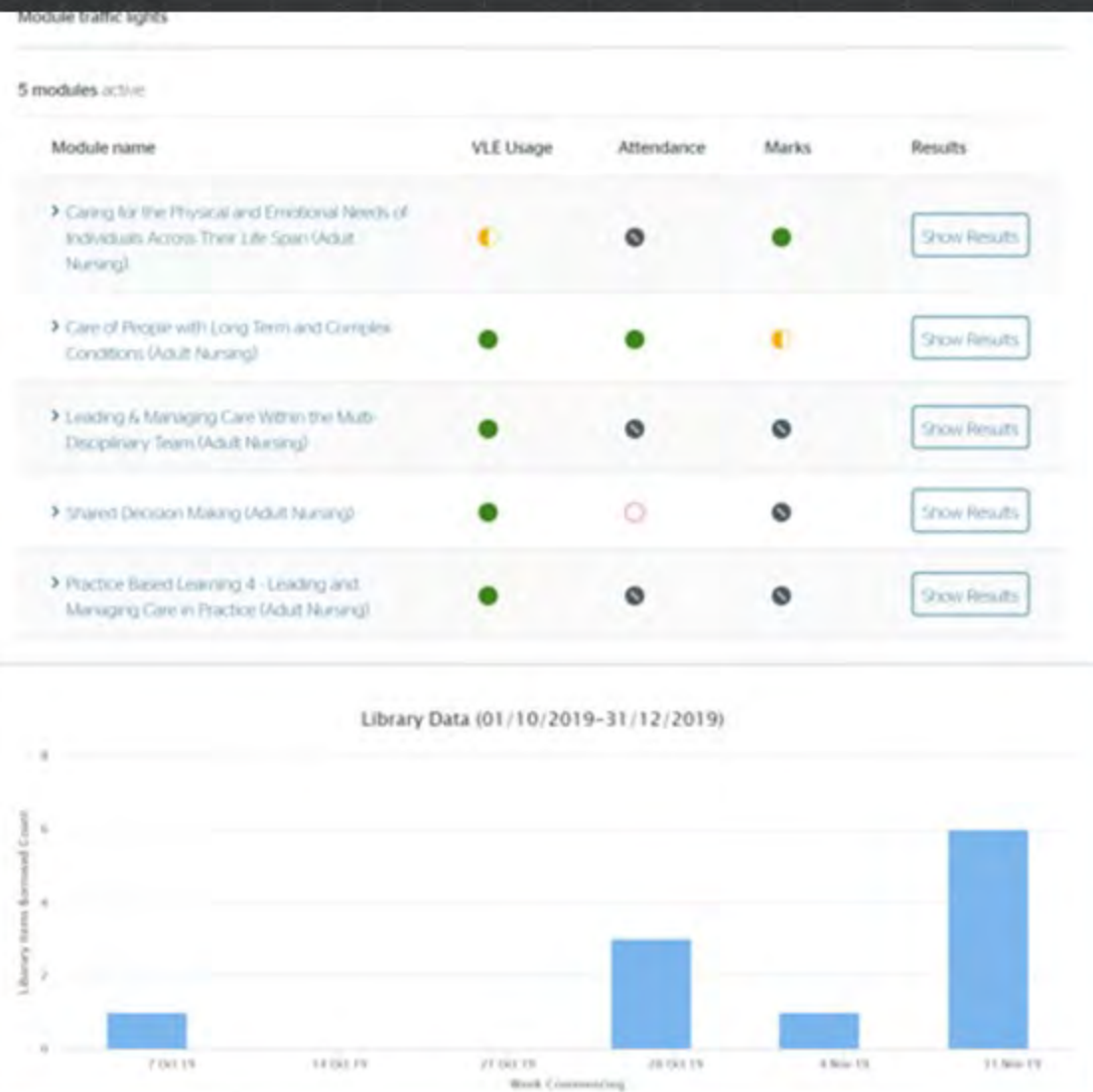
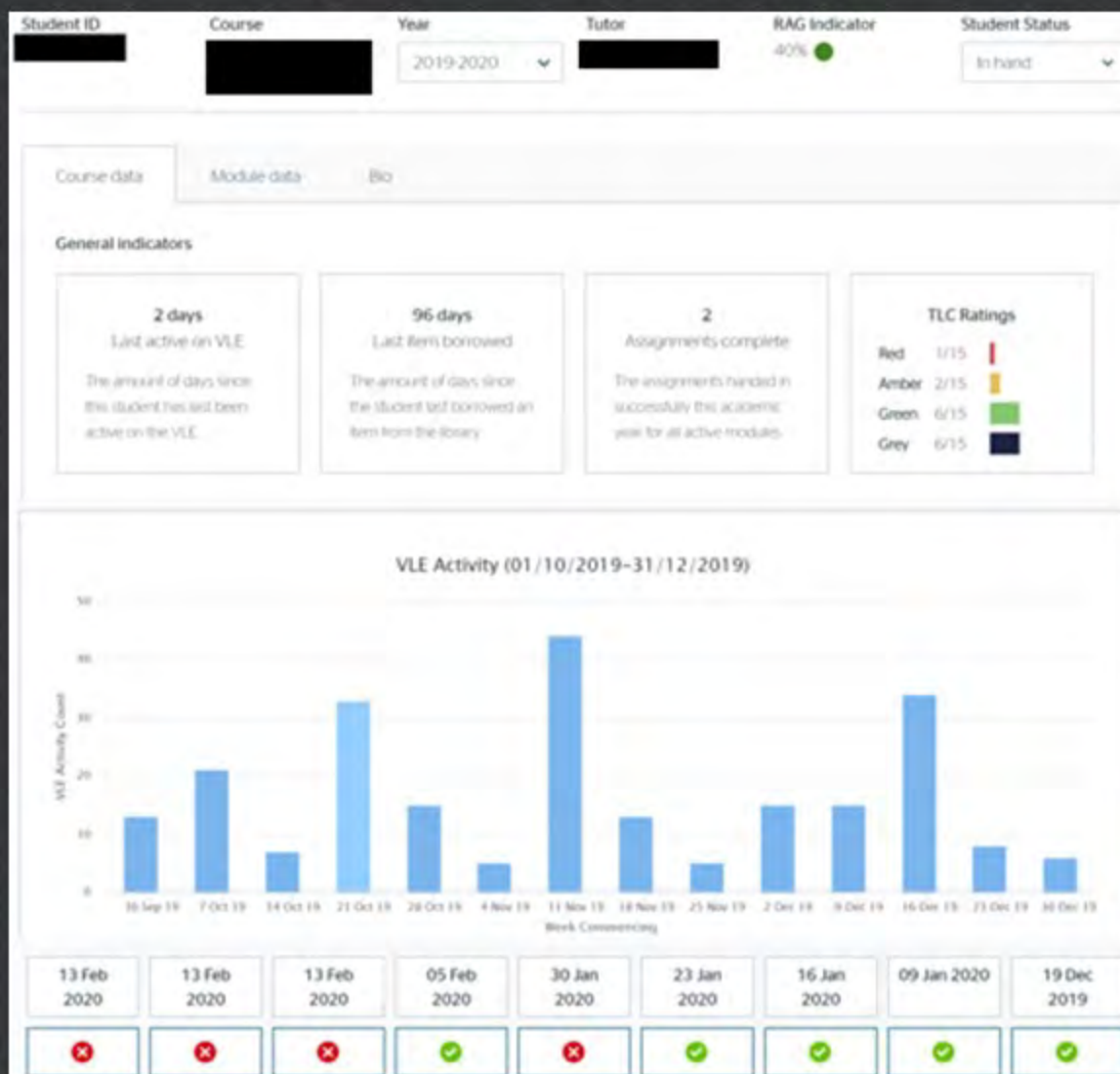
[Edit](#) [Share](#) [Community](#)

[Companies](#) [Overview](#)

10 companies

	30-DAY	SECURITY SCORE	COMPANY
☐	+4	67	Birmingham City University
☐	-4	68	University of the West of England
☐	+4	69	Bournemouth University
☐	-5	71	Plymouth University
☐	+1	72	Oxford Brookes University
☐	-1	74	Bath Spa University
☐	+2	80	University of South Wales
☐	+5	81	Cardiffmet
☐	-3	89	University of Worcester
☐	-7	91	Cheltenham College

Learning Analytics



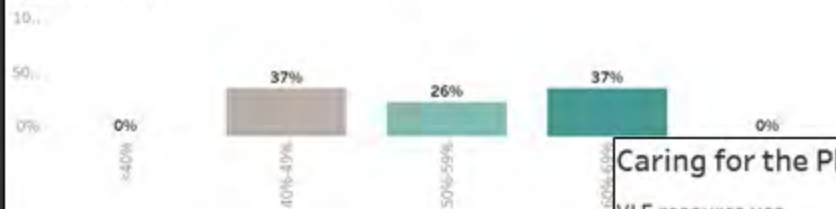
Curriculum Analytics

Module Review: Grade Distribution between programm..

Module: HIS0412/A11/UMS: America and the South after the Civil War

Grade Distribution for this module

Grade distribution



Average grade distribution for programmes including Programmes

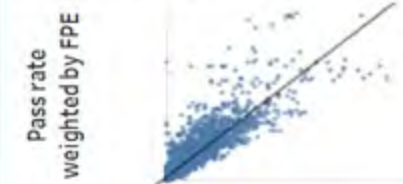
Programmes including this module in 2018

Average for all mo



Pass Rate vs Digital Engagement

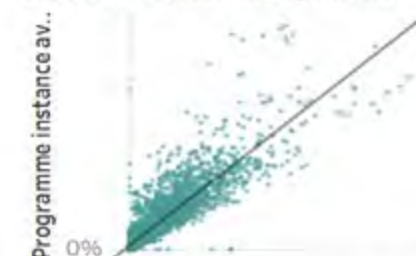
Excluding 0% pass rates



Digital Engagement weighted by FPE

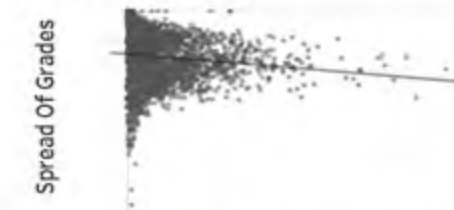
Grade vs Digital Engagement

Programme instance av..



Digital engagement weighted by FPE

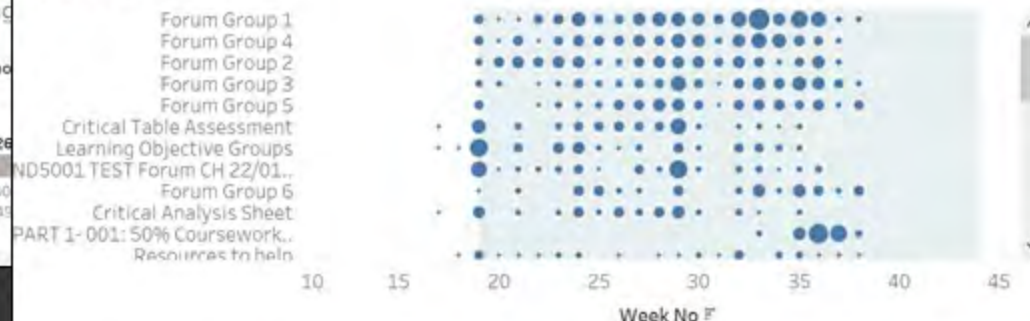
Grade Variation vs Digital Engagement



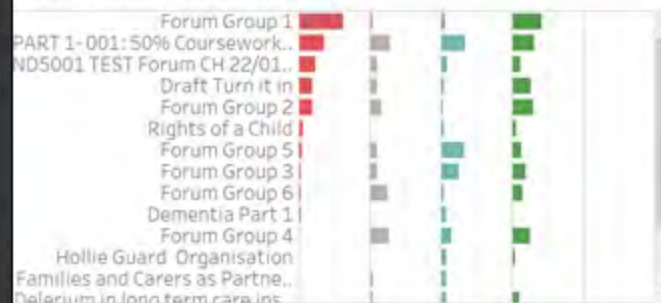
Digital Engagement weighted by FPE

Caring for the Physical and Emotional Needs of Individuals Across Their ..

VLE resource use



Resource use by student outcome



Search for a module to view

Enter a keyword in the text box and press enter, then select a module ins..

Search for a module to view

Enter a keyword in the text box and press enter, then select a module ins..

Search results:

- Caring for the .. ND5001/A12/UMS/2
- ND5001/B23/UMS/2
- Interpersonal HC4004/A11/UMS/20
- Skills for the HC4004/A22/UMS/20
- Caring HH5005/A11/UMS/2
- Professional HH6009/A11/UMS/2
- HH6009/A11/UMS/2

Programme: Revalidation - S

School.. School of Education and Humanities

Programme

UH0043-F01U/HISDG BA (Hons) History

Year (Multiple values)

Programme structure over time

2018					
15	15	15	15	15	15
15	15				
15	15	15	15	15	15
15	15				
15	15	15	15	15	15
15	15				

Libraries of the future

Will books still be a thing?

Or will libraries become technology enhanced high quality social learning spaces



Online resources costs make eBooks prohibitive



WONKHE ABOUT US EVENTS CAREERS JOBS SUBSCRIPTIONS RSS

The market in academic ebooks needs to change

How does the market in academic ebooks work? Not in the interests of students, staff or universities, argues Anthony Sinnott.

COMMENT | 20/11/20



Author

The pricing of academic ebooks matters. It always has, but it's hopefully obvious why it matters more now, and will likely matter a great deal still into the future.

There are problems. Current "industry standard" pricing models create revenue where none previously existed, severely reduce opportunities for second hand markets to exist, (or institutions (unhelpfully) to platforms, retain ownership and

Anthony Sinnott
Anthony Sinnott is Access and
Procurement Development

WONKHE

THE WORLD UNIVERSITY RANKINGS PROFESSIONAL JOBS EVENTS RANKINGS

Complete your career summary to gain one month's unlimited access to THE news and analysis.

Manage your career
Complete your career
Edit your private care
View suggested jobs
Create and manage j

The cost of e-books is hobbling university teaching

Academics justifiably express disbelief and outrage when librarians inform them that they can't afford a particular title, says Caroline Ball

November 18, 2020

Caroline Ball

Twitter: @heroicendeavour

Academic librarians are helpers. Facilitating access to learning resources, campus facilities and research materials is the core of what we do.

Therefore, not being able to help people is a source of endless frustration to us. We don't like having to say "no, I'm sorry, I can't do that" - but that is increasingly what many librarians are having to



Source: iStock

BBC Sign in Home News Sport Weather

NEWS

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Business | Your Money | Market Data | Companies | Economy | Global Car Industry | Bu

University staff urge probe into e-book pricing 'scandal'

By Russell Hotten
BBC News

13 November



JOHANNA ANDERSON

Johanna Anderson says student learning and research is suffering

More than 2,500 UK university staff have called for an investigation into the "scandal" of excessive pricing of academic e-books.

"Price rises are common, sudden and appear arbitrary" with some digital books increasing by 200%, they say in a letter to Education Committee MPs.

Organiser Johanna Anderson said some e-texts can cost 10 times print copies, with taxpayers and students the losers.

Publishers say the costs are due to the different formats and shared-use.

Sign the petition

<https://academicebookinvestigation.org/>

Research4Gloucestershire

Joint research projects
engaging whole University

Patient engagement and support via VLE
[diabetes / stroke / obesity]

Shared course design and future development



Questions

Thanks for listening 😊

Rob Blagden
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@robblagden