



## The Global Medical Industry

Worldwide the healthcare market, and the NHS based in the UK in particular, has faced and continues to face extraordinary challenges. In some ways, Covid-19 is just another on the list, but it's a list that is getting longer – just like waiting lists for operations and treatments relegated to the back of the queue by Covid.



## Medical Technological Vulnerabilities

The role of technology is obviously critical and its vulnerabilities have also been exposed by bad actors who, regrettably, believe that targeting healthcare services for blackmail is morally acceptable. From WannaCry in 2017 to recent ransomware attacks in Ireland, the need to defend systems and devices in hospitals is self-evident.

01

### RISK

Legacy devices coexisting with today's integrated medical technology creates additional avenues for compromise of security vulnerabilities **leading to data breaches.**

02

### RESPONSE

The Trust board recognizes the importance of IT devices asset management and cybersecurity and is allocating sufficient **budgetary support.**

03

### REPUTATION

While there is appropriate investment to address security needs, reputational and **operational risk impacts still remain loosely defined.**



## Compliance

14%

Don't comply with DSPT (n=10)

Don't comply with Cyber Essentials (n=33)

46%

63%

Don't comply with CE+ (n=46)

Don't comply with NIS (n=26)

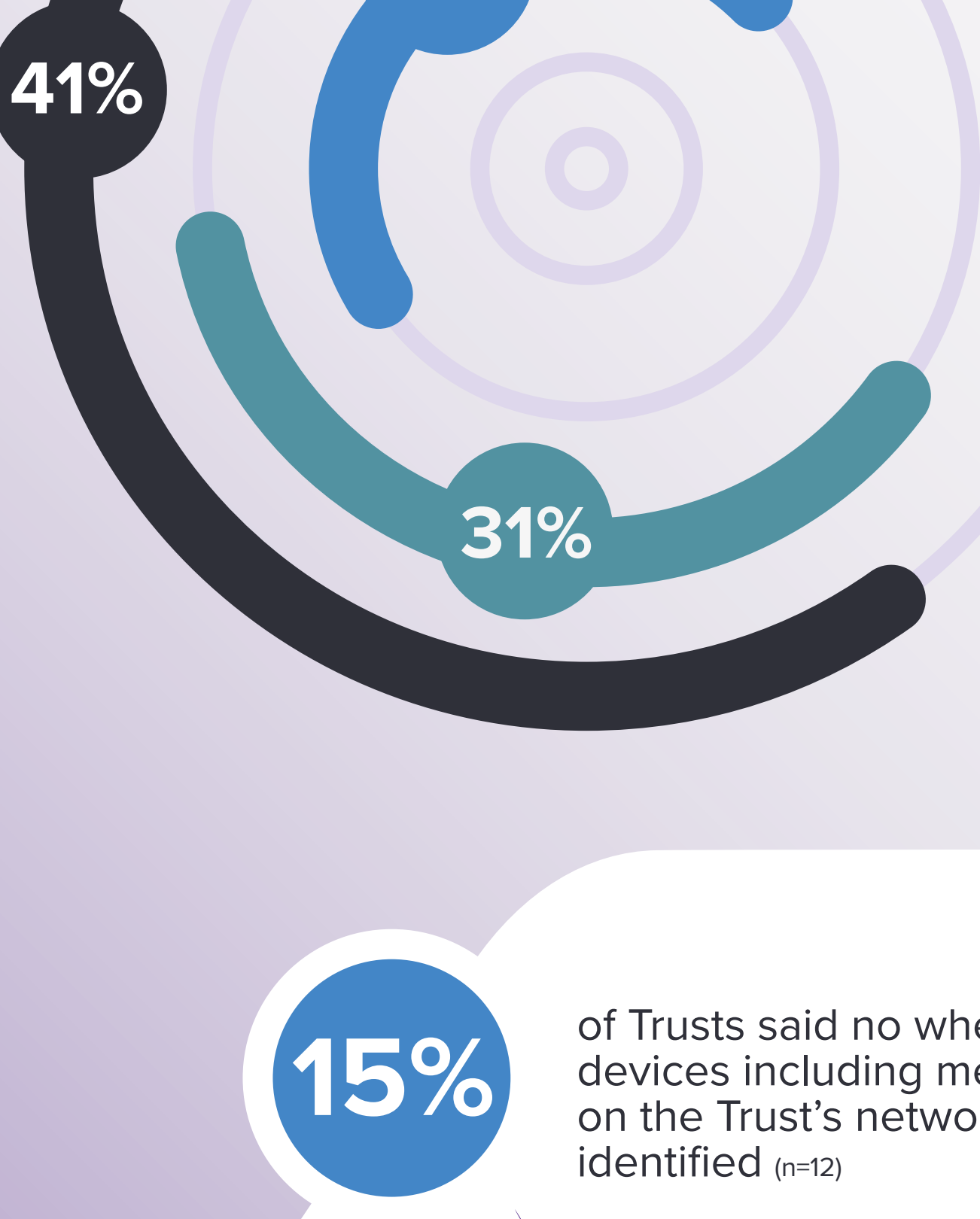
37%

67%

Aren't ISO27001 accredited (n=49)



## Infrastructure & Inventory



15%

of Trusts said no when asked if all devices including medical devices on the Trust's network have been identified (n=12)

31%

or almost 1 in 3 don't identify and monitor all medical devices being used for remote patient management (n=17)

41%

of NHS Trusts don't have a real-time risk register of all assets connected to the network (n=30)

39

Trusts answered

37%

Have no medical device estate running on end of life or unsupported software

76%

Have under 10% of medical device estate running on unsupported or end of life software

16%

Have more than 15% of medical device estate running on unsupported or end of life software

0.4%

Said 100% of medical devices estate was running on unsupported or end of life software

8%

Didn't know how much of their medical device estate was running on unsupported or end of life software

45

Trusts answered

27%

Said none of their medical device estate was segregated from the main network

30%

Said all of their medical device estate was segregated from the main network

30%

Said 61-99% of their medical device estate was segregated from the main network

41%

Said less than 40% of their medical device estate was segregated from the main network

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