



PRIMARY RESEARCH STUDY

Digital Twin in Healthcare

Awareness · Benefits · Challenges · Adoption Readiness



25

Respondents

10

Questions

3

Target Groups

Online

Methodology

STUDY DESIGN & AWARENESS



SAMPLE SIZE

25 Respondents

TARGET GROUP

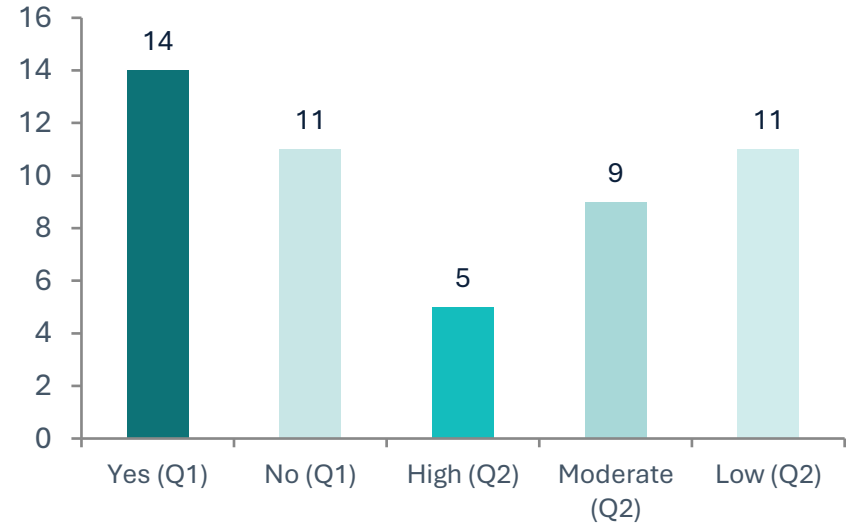
Healthcare professionals, health-tech students & informed users

METHOD

Structured online questionnaire survey

Q1 · Familiarity with Digital Twin

Q2 · Self-Rated Understanding Level



Key insight: 56% have heard of Digital Twins but only 20% rate their understanding as HIGH — a clear education gap exists.

PERCEIVED BENEFITS



Q3 · Can Digital Twins improve patient outcomes?

80%

said YES

8% No | 12% Not Sure

Q4 · Area benefiting most from Digital Twins

Personalised Treatment

48% (n=12)

Disease Prediction

24% (n=6)

Surgical Planning

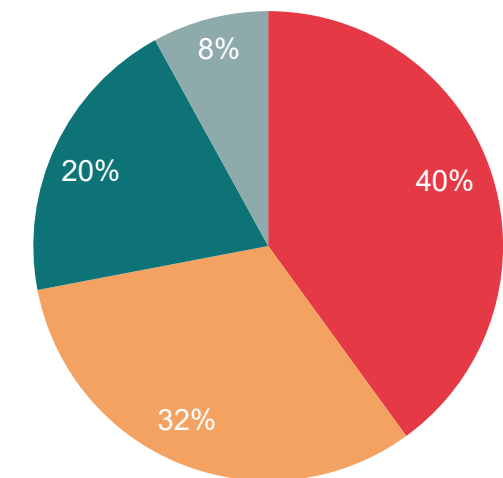
16% (n=4)

Hospital Management

12% (n=3)

CHALLENGES & TRUST

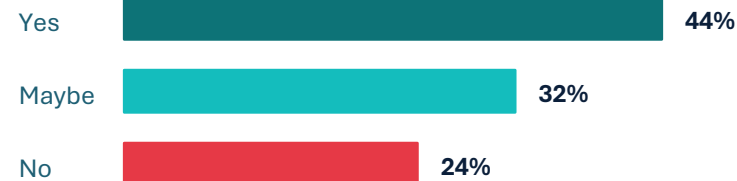
Q5 · Biggest challenge in adoption



■ Data Privacy (40%) ■ High Cost (32%)
■ Lack of Expertise (20%) ■ Infrastructure (8%)



Q6 · Trust AI for medical decisions



Q7 · Comfort sharing health data



Key insight: Data privacy (40%) is the #1 adoption barrier · Only 44% fully trust AI for medical decisions

FUTURE OUTLOOK & INVESTMENT INTENT

Q8

72%

expect adoption
within 10 years

Q10

76%

would recommend
investment

Q9

44%

see AI/ML as
core enabler

Q9 - Essential Technologies for Digital Twins



KEY FINDINGS & CONCLUSION



Awareness gap

56% familiar, but only 20% rate knowledge as High — education initiatives are needed



Strong clinical belief

80% believe Digital Twins will improve patient outcomes, led by personalised treatment (48%)



Privacy & trust barriers

40% cite data privacy as top challenge; only 44% trust AI for medical decisions



Optimistic future

72% expect mainstream adoption within 10 years; 76% recommend investment



AI / ML is the key enabler

44% identify AI/ML as most essential technology, followed by IoT (24%) and Big Data (20%)

Conclusion: Strong optimism for Digital Twins in healthcare. Addressing privacy, trust, and knowledge gaps is critical for widespread adoption.



Thank You

Do you have any questions?

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