

Table 1 Digital health governance in Oman's health care institutions

Governance factor	% of institutions affected	Key challenges identified	Data source
Lack of formal governance structure	40%	Weak policy enforcement, outdated security protocols, delays in digital health initiatives, underutilization of resources	DMA survey/interviews/ focus group discussion
Infrequent policy review (≥3 years)	50%	Increased risk of cyber insecurity, outdated procedures	DMA survey
Institutions with established cybersecurity protocols	<50%	Vulnerability to cyberattacks due to lack of full implementation	DMA survey
Lack of patient data encryption	≈50%	Vulnerability to data breaches, privacy violations, undermining trust in digital health solutions	DMA survey
Lack of clear regulatory frameworks	Implied – needs data	Hinders innovation, potential legal issues.	DMA survey/interviews/ focus group discussion
Lack of enforcement of existing policies	Implied – needs data	Ineffective policies, continued vulnerabilities	DMA survey/interviews/ focus group discussion