List of Abbreviations

Acronym	Full term	Explanation
AI	Artificial Intelligence	Computer systems that perform tasks requiring human intelligence such as pattern recognition data analysis forecasting and decision support.
AI Act	Artificial Intelligence Act	European regulation that classifies AI systems by risk level and imposes requirements for transparency risk management and human oversight.
API	Application Programming Interface	Set of rules enabling communication between software systems helping integration and interoperability across digital tools.
COVID-19	Coronavirus Disease 2019	Infectious disease caused by SARS-CoV-2 that accelerated global adoption of telemedicine and remote care models.
ECG	Electrocardiogram	Digital recording of heart electrical activity often captured through patches or wearable sensors in remote monitoring programmes.
ED	Emergency Department	Hospital department providing urgent care

		where digital tools such as telehealth and AI analytics support patient flow.
EHDS	European Health Data Space	European Union initiative that governs secure primary and secondary use of health data across Member States.
EHR	Electronic Health Record	Real-time sharable digital record containing clinical history medications labs imaging and care notes across providers.
EMR	Electronic Medical Record	Digital chart used within a single clinic or provider not designed for cross-organisation sharing.
EU	European Union	Political and economic union that issues regulations and strategies guiding digital health adoption and governance.
FHIR	Fast Healthcare Interoperability Resources	HL7 standard that structures health data into modular resources enabling consistent exchange between systems.
GDPR	General Data Protection Regulation	EU regulation that protects personal data and shapes privacy governance in digital health environments.
HbA1c	Glycated Hemoglobin	Biomarker used in diabetes management reflecting average blood glucose levels over three months.
HF	Heart Failure	Clinical condition often monitored through remote patient monitoring to

		reduce rehospitalisation.
HL7	Health Level Seven International	Standards organisation that develops frameworks for electronic health data exchange including FHIR.
ISO	International Organization for Standardization	Global standards body defining requirements for concepts including EHR quality safety and interoperability.
LOS	Length of Stay	Total time a patient spends in the Emergency Department from arrival to discharge used as a performance indicator.
LWBS	Left Without Being Seen	Percentage of patients who leave an Emergency Department before evaluation by a clinician an indicator of system pressure.
MDR	Medical Device Regulation	EU regulation governing medical devices including software with clinical functions.
MLOps	Machine Learning Operations	Framework combining tools and processes for deploying monitoring and maintaining AI models safely at scale.
PGx	Pharmacogenomics	Field studying how genes influence drug response used to personalise treatments and reduce adverse reactions.
REST	Representational State Transfer	Architectural style for designing networked applications used by

		modern healthcare APIs including FHIR.
RPM	Remote Patient Monitoring	Continuous tracking of health data using home devices and wearables with alerts integrated in clinical workflows.
VHCN	Very High Capacity Networks	Broadband infrastructure standard defined by the EU ensuring gigabit connectivity and enabling high-quality telehealth.