The adoption and use of digital health and care record systems:

Collaborative resource

A collaboration between NHS England and US Department of Health and Human Services
Each of the sections below map to the identified attributes for successful adoption, under which further sub-categories are listed. The attribute sections include:

1. Data quality
2. Information security
3. Knowledge to support local investment cases
4. Workforce and organisation capability
5. Planning, design and implementation
6. Optimization, maturity and achieving benefit

NB: Work is also in progress linked to adoption practice with the National Information Boards work streams which includes both workforce and patient/public participation in supporting standards, capability and functionality for personalised care.

1. Data quality
   - UK: Royal College of General Practitioners Health literacy Report
   - US: Quality Improvement Deep Dive-Quality Measures
   - UK: Data Quality: A range of initiatives and guidance on data quality policies
   - UK: Monitoring equality and Health Inequalities: A Position Paper

1.1. Guidance to aid storage and migration of paper records and scanned documents
   - US: Chart Migration and Scanning Checklist

1.2. Tools and guides for capturing data and outcome measures
   - UK: Data.gov.uk: outcome indicators with links to reports
   - US: Electronic Health Record EHR Quality Measure Dataflow Tool 2 Creating a Clinical Quality Measure CQM Data Documentation Plan in Your Practice
   - UK: Indicator Portal: guidance on outcome indicators with links to reports and tools
   - US: US Health Information Knowledge Base (USHIK) for Clinical Quality Measurement
   - UK: A blueprint for the open data era in health and social care
2. Information security

- **UK**: Guidance to confidentiality and codes of practice including Caldicott role
- **US**: Guide to Privacy and Security of Health Information
- **UK**: Guidance and principles on security and data protection in the NHS
- **US**: Guidance on Risk Analysis Requirements under the HIPAA Security Rule
- **UK**: Information Governance Toolkit – learning tool and assessment for all IG principles
- **US**: Health Information, Privacy, Security, and your EHR
- **US**: Cybersecurity: A Shared Responsibility

3. Knowledge to support local investment

- **UK**: The Integrated Digital Care Fund
- **US**: EHR Demonstration Scenario, Evaluation and Vendor Questions
- **UK**: Vanguard sites developing new care models
- **US**: One Health Record To Go Please – How Electronic Health Records are Improving Patient Care
- **UK**: Challenge Fund: Exemplars to improve services in primary care
- **UK**: Open Source Programme

4. Workforce and organisational capability

- **US**: EU-US Health IT Competency Framework
- **UK**: DISC: Developing information skills and capability
- **US**: Creating a Leadership Team for Successful EHR Implementation
- **UK**: Education, Training and professional development tools in informatics
- **UK**: Health informatics Careers Framework
5. Planning, design and implementation

- US: Workflow Process Mapping for Electronic Health Record (EHR) Implementation
- US: Exchange 101 Introduction to Direct Adoption and Implementation
- UK: Patient Online guidance for implementation
- US: Health Information Technology Toolkit for Physician Office

6. Planning, design and implementation

- US: Strategies for Optimizing an EHR System
- UK: Digital Maturity Index and Self-Assessment
- US: Monitoring Health IT and EHR Goal Achievement
- UK: P3M Resource centre: Comprehensive benefits guidance around delivery and benefit
- US: Goals and Objectives for Electronic Health Record (EHR) Implementation
- US: Making Your EHR System Work for You