

The Significance of Digitised Personal Health Records in United Kingdom

(BMHP 5005)

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Presentation Content

01 Rationale and aim

02 Methodology & Methods

03 Summary Findings

04 Conclusions



Rationale & Aim

- NHS 'Long Term Plan' (2019)

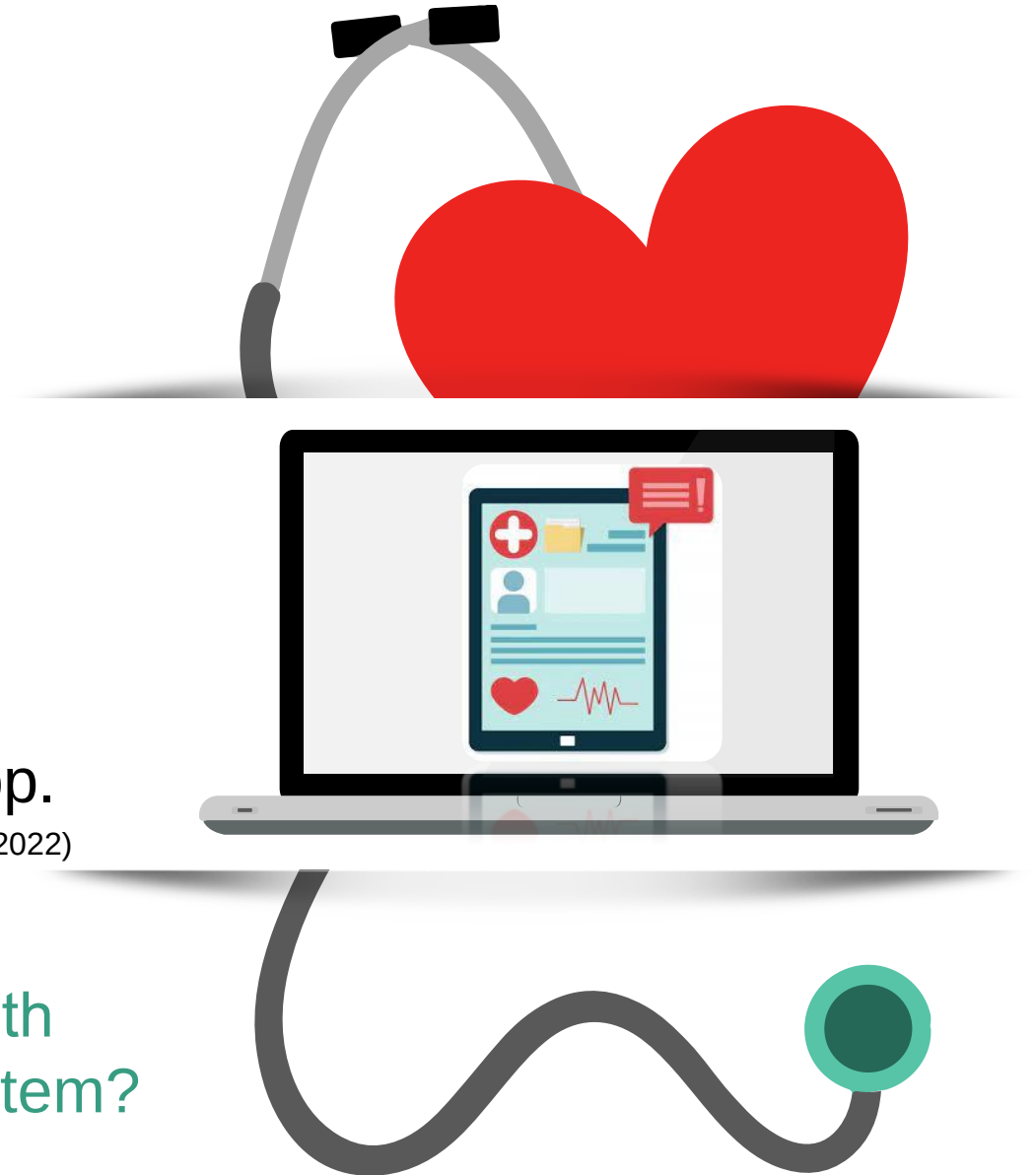
- paperless records by 2023 or 2024.

- NHS Digital's goal

- access medical records via the NHS App.

(Louch et al., 2022)

Q: "How significant are digitised Personal Health Records for UK citizens and its Healthcare system?"



Methodology & Methods of research



Databases

- ✓ PubMed Central
- ✓ ProQuest Central
- ✓ BioMed Central

Search Keywords:

(electronic health record) AND (patient portal) AND
(patient access) AND (functionalities)

Inclusion Main Criteria:

- ✓ Peer-review
- ✓ Full text – open access
- ✓ English
- ✓ 2016-2022

Summary Findings

1. System characteristics

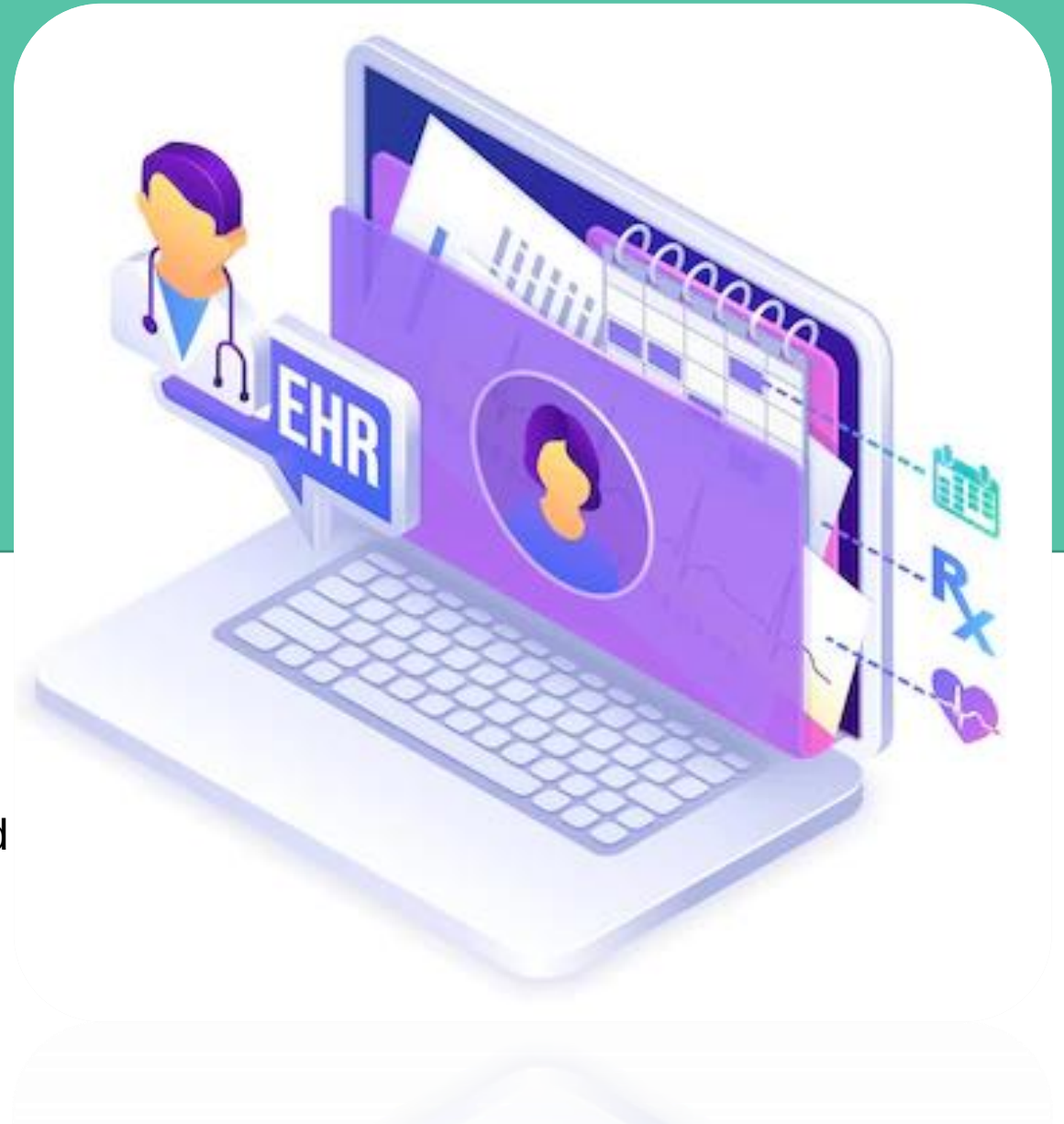
❖ Architecture

- ✓ General and clinical information (Alturkistani et al., 2020; Harahap et al., 2021; Jacquemard, Doherty and Fitzsimons, 2021)
- ✓ Graphic design (Warren et al., 2019; Fracarro et al., 2018)

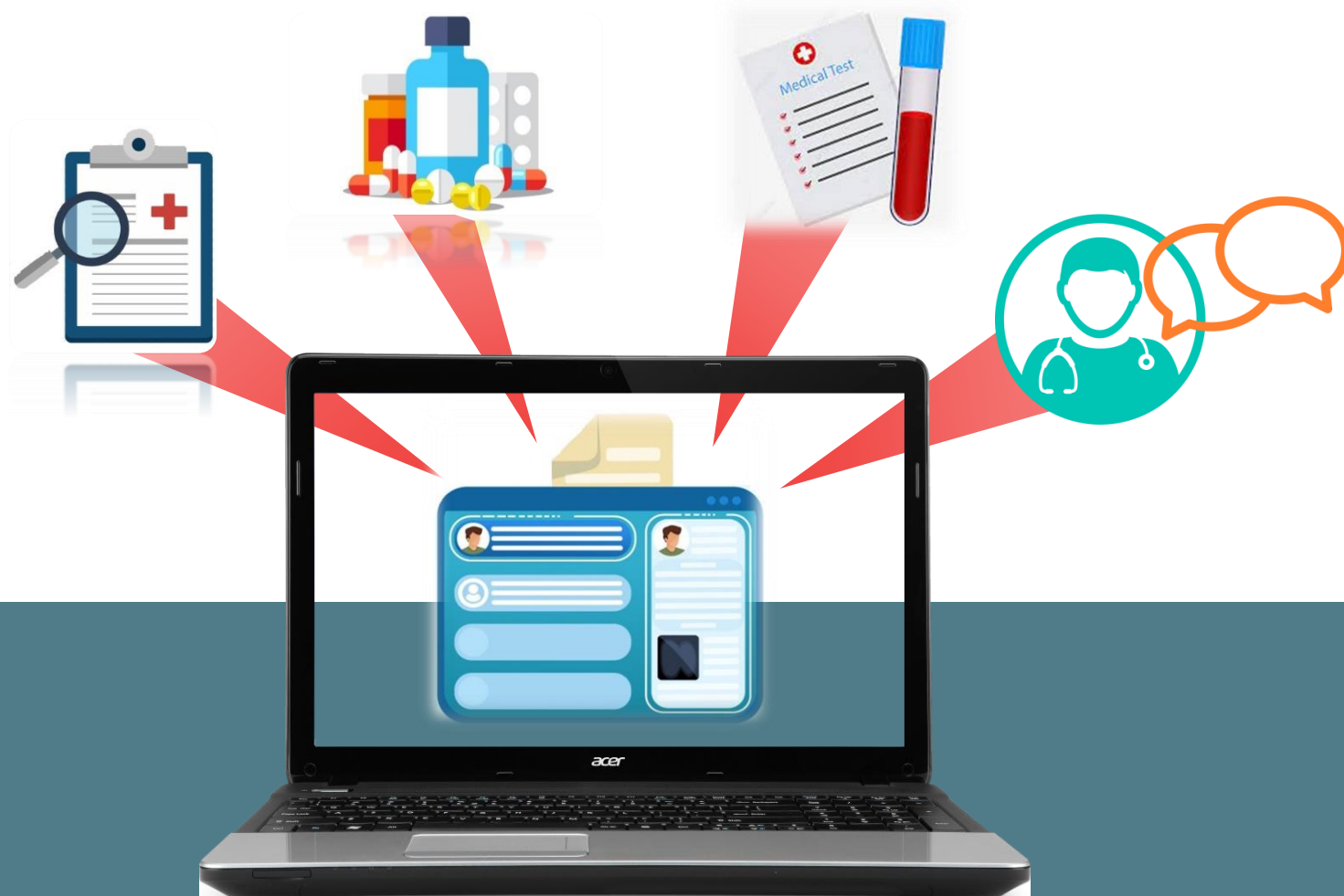
❖ Privacy and Security



- ✓ Confidentially and data protection ensured by the Caldicott principles (National Data Protection, 2020; Symons et al., 2019)
- ✓ Security protocols/upgraded authentication method (Abd-Alrazaq et al., 2019; McMillan et al., 2021; Jacquemard, Doherty, and Fitzsimons, 2020)



2. Current strengths of accessing the Personal Health Records



- ✓ identifying inconsistent, partial, or omitted medical details (Lear et al., 2022b; Lear et al., 2022a; D'Costa, Kuhn and Fritz, 2020)
- ✓ order prescriptions, learn about medication changes, and even receive reminders to repeat drug orders (White et al., 2016)
- ✓ access and request medication lists, view test results and read helpful information about the disease (Mold et al., 2018)
- ✓ constant dialogue with the doctor and medical staff (Mold et al., 2018; Hagglund et al., 2022)

3. Current weaknesses of accessing the Personal Health Records



- ✓ Electronic health records' usability in Emergency Departments in UK scored lower than the 68-point threshold for satisfactory usability (Bloom et al., 2021);
- ✓ barriers to using the online site transcend differences in people's ages, social statuses, linguistic abilities, educational levels, and financial status (Chapman et al., 2022).
- ✓ users frequently struggled to grasp the value or importance of the material on the website without medical terminology and knowledge (Lear et al., 2022b; Niazkhani et al., 2020).



Conclusions

- ✓ technical infrastructure prevents personal health record systems from being uniformly and universally connected by technology (Symons et al., 2019);
- ✓ practical online tools for accessing health data need to be more patient-friendly (White et al., 2016);
- ✓ for a more accessible and integrated technology, the adaptation of portal specifications to the requirements and capabilities of users is essential.



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