Understanding the language of digital health

**Paper to pixels**

**Visualizing an ideal system of digital health**

**PHR**  
**Personal health record**

**EMR**  
**Electronic medical record**

**EHR**  
**Electronic health record**

**Easy and empowerment for a proactive and engaged patient**

**What is it?**  
A personal record which includes access to some of the information — like lab values and treatment notes — that only the patient and care providers can see. It allows the patient to keep track of their own care, including their personal information, orders prescriptions, and modify appointments. The Mayo Clinic's EHR is available to patients who are members of the hospital's health maintenance organization (HMO).

**Who has access?**  
The patient or a patient's authorized caregiver.

**Real-time access to patient info for a more effective care team**

**What is it?**  
An electronic version of a patient's medical chart that connects doctors and other members of the care team throughout their entire care process, including lab results, test scores, allergies, and prescribed medications.

**Who has access?**  
Care providers, specialists, and pharmacists connected on the same EHR system.

**Better data and richer research to impress for care**

**What is it?**  
An electronic record that allows Kaiser Permanente researchers to conduct research and analysis on patient health data. The Kaiser Permanente EHR is available to researchers who work for Kaiser Permanente to conduct research on patient health data.

**Who has access?**  
Researchers at Kaiser Permanente and collaborating institutions.

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**How does your provider measure up?**

**Can your employees**  
Schedule appointments, view lab results, and email their doctors, wherever they are?  

**Can your employees’ health records truly paperless?**

**Can your provider deliver robust reporting on the health of your employees?**

**Does your health provider conduct its own research — and notify you about its findings?**

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**Charting the evolution of medical records**

**Before 1920**

- Victorian doctor’s desk
- Handwritten notes

**1920**

- Early versions of the Mayo Clinic’s patient medical record system

**1950**

- Standardized medical record forms

**1970**

- The development of computerized patient record systems

**1980**

- Electronic health record (EHR) systems emerge

**1990**

- The University of Vermont’s computerized patient record system is launched

**2000**

- Electronic health record systems are used for 30% of all patient records

**2010**

- Kaiser Permanente’s EHR software is acquired by Microsoft

**2014**

- Kaiser Permanente’s EHR system is used for 90% of all patient records

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