

# Data challenges for the implementation of the Pregnancy & Childbirth Set



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## Dutch maternity care

- Independent midwifery practices with 3 different types of electronic health records (EHR)
- Hospitals with 3 different types of EHR
- Midwives and obstetricians are collaborating in Obstetric Care Network
- Pregnant women are often seen by both a midwife and an obstetrician
- Pregnant women may use a personal health record



## Purpose

- Exchange of PROMs and PREMs in a dashboard between midwives and obstetricians in an obstetric care network to facilitate shared decision making
- Long-term: a multidisciplinary transmural outcome dashboard for quality improvement

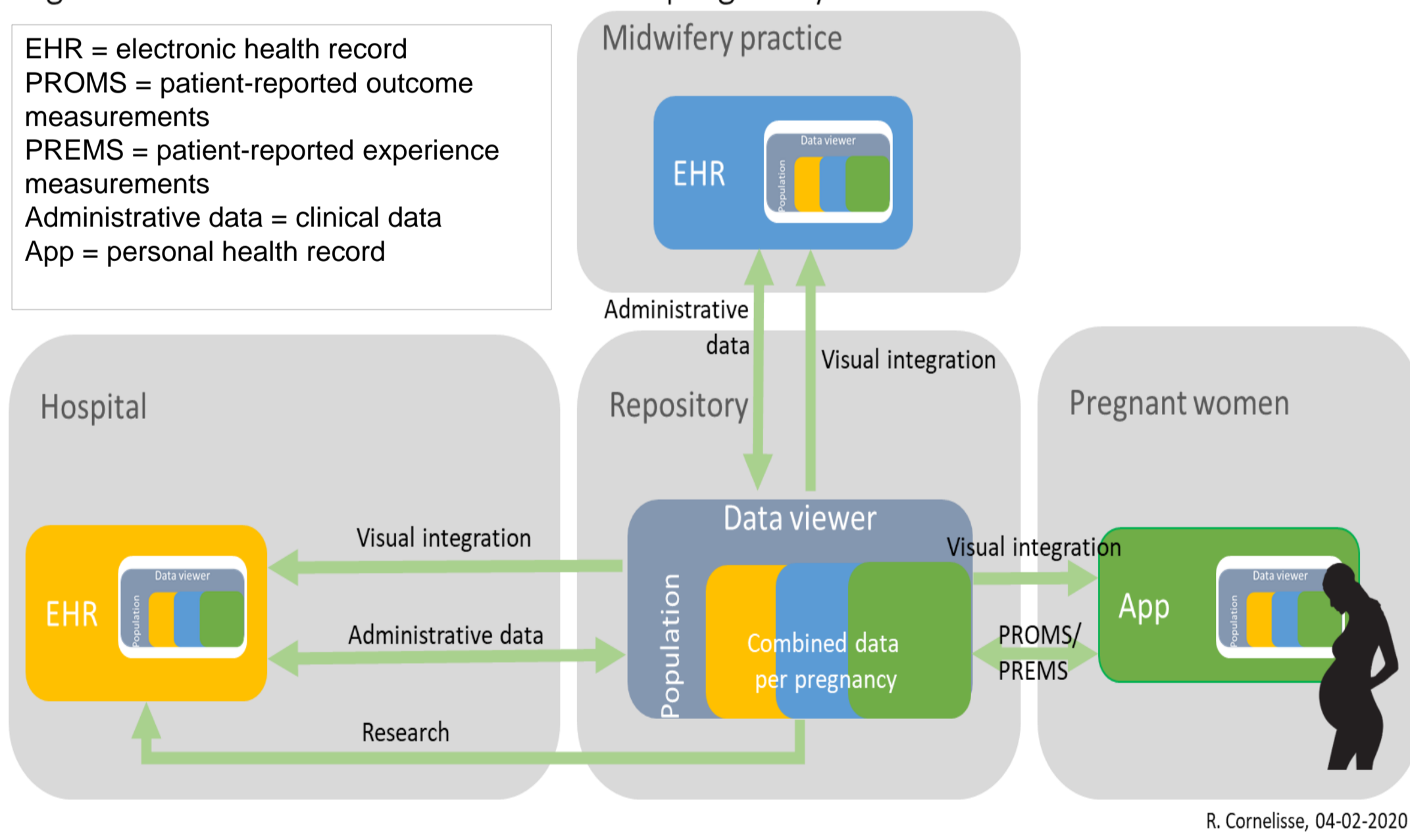
## Barriers

- Different EHRs within one OCN
- Interoperability between EHRs
- Accessibility of PHRs for low literate women
- Conflicting interests between health care professionals
- Financial costs of implementation
- Long-term integration in the health care system

## Facilitators

- A local approach tailored to the EHRs that are used within a specific OCN
- Engaged leading health care professionals in each pilot region
- Support of management or board of directors for implementation
- An integrated EHR within an OCN

Figure 1. Future schematic data structure pregnancy and childbirth set in the Netherlands



## Take home message

To facilitate informed decision making by using the ICHOM Pregnancy & Childbirth set a (digital) data structure for the exchange of administrative data and the patient-reported items is crucial. Enthusiastic health care professionals play an important role in getting started.



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