Health data drives innovation

How can health services enable person-centric health data sharing

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Between 2015 and 2035, multi-morbidity prevalence is estimated to increase, the proportion with 4+ diseases almost doubling.

Kingston A et al. Projections of multi-morbidity in the older population in England to 2035: estimates from the Population Ageing and Care Simulation (PACSim) model.

How do patients use digital health today?

- Track health state
- Compare with others
- Track bodily function
- Monitor symptoms
- Assess impact of treatment
- Document side effects
- Learn about health conditions, treatment options
- Set personal goals
- Track progress towards targets
- Adjust dosage to fit lifestyle
- Better able to share decision making
- Prevention and wellbeing
- Activity, sleep, diet
- Contribute their own collected data to research
- Allow their clinical data to be used for research
- Know what to discuss with clinical team
H2O Health Outcomes Observatories

Empowering patients to measure their outcomes in a standardised manner to improve the quality of care

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First European scale network for health outcomes data

Pan-European+ H2O
Austria H2O
Germany H2O
Netherlands H2O
Spain H2O

Observatories will initially collect outcomes for three diseases: Diabetes · IBD · Cancer

Source: Stamm et al. (2021). NEJM Catalyst
H2O is a revolutionary initiative aiming to strengthen health care in Europe.

- Setting-up patient-centric pan-European & national observatories with the aim of engaging patients and connecting providers, ultimately equipping different stakeholders with the necessary data to improve patient care.
- Building a community of patient-centric and outcomes-driven organizations based on transparency and trust.
- Changing mindset and behaviors towards adoption of value-based health care and patient empowerment.

... and driving cultural change.
**IMPACTS**

**Patients**: improve dialogue between patient and clinician to receive better care

**Health care professional**: better access to data to inform and enhance clinical decisions

**Patient organisations**: assess the status and dynamics of their patient population

**Health authorities, providers and payers**: improve the quality and sustainability of care through better and more transparent evidence of patient measures and outcomes

**Researchers and pharma companies**: generate insights that can be used to support the design and direction of the development of new treatments