

Connected Health Impact Reporting

Background

Connected Health (CH) as a new paradigm looks after the individual and community health in a “connected” and “holistic” manner by leveraging a variety of technologies to do so.

CH has been seen as a promising vehicle for integrating telehealth and integrated care services, in other words the health-related services that cover all conditions from the healthy subject as a health service consumer, to the chronic patient as an integrated care and telecare service beneficiary.

This reorganization of services around the person-citizen has been expected to bring high impact in the health domain. A series of concerns within the Connected Health domain need to be better addressed, in order to better reach stakeholders: contextual factors influencing the impact of care models, the cost savings associated with connected health solutions, the sustainability of a connected health ecosystem. Overall, there is need to shed some light regarding the concepts of CH impact, and ENJECT WG1 is working in this direction.

Aim

This questionnaire aims to explore how CH impact related drivers and outcomes can be reported.

You are asked to fill in information regarding a CH technology or service you are aware of (reporting of existing one), or one that you are designing/thinking of (reporting of a future one) , with respect to its impact.

* Required

Describe CH system

describe a system that exists and you know about, or one that you are thinking about

1. Application description/aim *

2. The main function(s) of this system

Check all that apply.

- monitoring
- training and knowledge building
- disease management
- lifestyle management
- Other: _____

3. The main process(es) of this system

Check all that apply.

- receive patient reports
- receive patient measurements
- give automated feedback
- give Healthcare Professional feedback
- involve social interaction
- Other: _____

4. The primary goal - what will the user achieve

5. Control / Governance

Mark only one oval.

- personal (citizen/consumer) service,
 health care service
 social service
 Other: _____

6. Level of evidence

Mark only one oval.

- under design
 technical validation
 clinical testing

CH system user profiles

Who is this meant for?

7. Life Period

Check all that apply.

- Younger
 Working
 Retired
 In Dependency
 Other: _____

8. Gender

Mark only one oval.

- Female
 Male
 All

9. Health status

Check all that apply.

- Healthy
 Chronic
 Comorbid
 Acute
 Other: _____

10. Life Context (e.g. suitable for people in certain areas, at home/work, under certain socioeconomic conditions, etc)

11. Other, secondary users

Check all that apply.

- carer
- healthcare professional
- researcher
- health policy
- industry
- Other: _____

CH outcomes towards impact

this is about defining & measuring output - what is expected to change with this service

12. Personal health-related outcomes

Check all that apply.

- health literacy
- behavior change
- self- activation
- Other: _____

13. Personal specific health outcomes

Check all that apply.

- overall wellness
- prevention of disease onset
- disease deterioration
- hospitalisations
- quality of life
- Other: _____

14. Outcomes for secondary users (e.g. carers)

15. Healthcare effect , i.e. change on healthcare process

Check all that apply.

- on diagnosis process
- on treatment process
- on prevention
- on stratification of patients
- Other: _____

16. Effect on human interaction & relations

Check all that apply.

- patient-doctor communication & shared decisions
- patients / citizens information and experience sharing
- patient / carer dependency
- Other: _____

17. Effect on new medical knowledge about health and disease

18. Horizontal & socioeconomic effect

Check all that apply.

- cost of care
- access to services
- public health policy
- Other: _____

19. Related industrial activity & business growth

20. Can you specify in what time scales the different abovementioned effects may occur

21. Do you have other suggestions about reporting the CH outcomes and impact

Achieve impact

Enablers & Barriers

22. **System Level Enablers : What are the main technical choices towards boosting the impact of the examined system (e.g. interoperability)**

23. **System Level Enablers : What are the main organisational choices taken towards boosting the adoption, success and impact of the examined system (e.g. integrated in a care procedure, staff, guidelines, privacy)**

24. **Individual Level Enablers: What are the main measures taken, boosting patient adoption and success**

Check all that apply.

- offering incentives
- preparing via training
- extended personalisation
- continuous support
- positive view and encouragement by HCP and others
- Other: _____

25. **Individual Level Enablers: Measures taken for secondary users (e.g. carers, HCP attitude), boosting adoption and success**

26. System Level Barriers: what are the technical problems and barriers, preventing system adoption and success

Check all that apply.

- usability, issues, and concerns
- data security
- information workflow and integration
- Other: _____

27. System Level Barriers: what are the organisational problems and barriers, preventing system adoption and success

Check all that apply.

- reimbursement system
- incompatibility with health care system
- staff related issues
- legal , privacy, liability
- Other: _____

28. Individual Level Barriers for secondary users (e.g. carers, HCP) preventing adoption

Regarding the value proposition addressed below, see also the following link

<http://www.mckinsey.com/industries/pharmaceuticals-and-medical-products/our-insights/capturing-value-from-connected-health>

29. The systems value proposition. Desirable for the patient because:

30. The systems value proposition. Desirable for the secondary user (HCP, carer...) because:

31. The systems value proposition. Technically feasible because :

32. The systems value proposition. Organizationally feasible because :

33. The systems value proposition. Viable because :

Other comments

34. Do you have other suggestions about reporting measures to achieve impact

Contact

Contact Enject for any related question : enject@ucd.ie

35. If you feel comfortable with this, and you are interested in WG1 work about CH impact, leave your name and email address with us.
