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Together for
better health
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inDemand: Demand driven co-creation for public entities

CHALLENGE 2: ARNO (GHU PARIS)

Pitch

Non-opposition collection electronic system

Global definition of the challenge

Part of creating a health data warehouse. We want to set up **a circuit to collect the non-objection of patients.**

Today, it is difficult to collect non-objection (paper form) on a massive scale and to ensure that the choice of anonymity of patients to not be included in the database is respected. In addition, patients wishing to consult anonymously, as well as those who are under legal guardianship and tutorship must automatically be excluded from the warehouse.

The multiplication of forms slows down and prevents the fluidity in the work of the admissions officers and the nursing staff. In addition, the current presence of paper forms adds to the difficulty in tracing the collection of non-objection of patients.

Definition standard profiles

The objective of defining standard profiles is to better understand the current situation within the facility and more particularly the people related to the problem defined in the Challenge, and who will therefore eventually use the innovative developed. These standard profiles will enable interested companies to apply to fully understand all the contours of the current situation in the facility.

2 "patient" standard profiles related to the Challenge have been described (the standard profile of the "problem" patient and the standard profile of the "easy" patient). Also, 2 "health professionals" standard profiles related to the Challenge are described (the standard profile of the specialised physician and the standard profile of a nurse, for example).

STANDARD PROFILE OF THE « Problem patient »	
Name	Patients under guardianship or tutorship
Age	Legal age
Status	Patients under guardianship or tutorship
Location in relation to the institution	Hospitalized in the facility or in consultation
Occupation	n/a
Short biography in three points	Patients under guardianship or tutorship hospitalized or having consulted in the facility
Pathologies	Psychiatric or neurological disorders
Potential disabilities	n/a
Motivations (recognition, power, reward…)	n/a
Objectives in relation to illness and treatment	n/a
Constraints and frustrations	Non-objection signed by a patient under tutorship or guardianship is not valid. These patients must be identified to exclude them automatically from the data warehouse.
Personality traits (introverted, logical, reflective…)	n/a

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Understanding of the illness	3/5
Observance	1/5
Internet skills	1/5
Mobile telephone skills	1/5
Social networks skills	1/5

STANDARD PROFILE OF THE « Easy patient »

Name	Patient in the facility
Age	Accompanied majors or minors
Status	n/a
Location in relation to the institution	Hospitalized in the facility or in consultation
Occupation	n/a
Short biography in three points	Patients who have stayed in the facility or have consulted there
Pathologies	Psychological or neurological disorders
Potential disabilities	n/a
Motivations (recognition, power, reward…)	n/a
Objectives in relation to illness and treatment	n/a
Constraints and frustrations	The large number of papers to be filled out lengthens
Personality traits (introverted, logical, reflective…)	n/a
Understanding of the illness	3/5
Observance	3/5
Internet skills	3/5
Mobile telephone skills	3/5
Social networks skills	3/5

STANDARD PROFILE OF THE « Health professional 1 »

Position	Health professional
Name	Caregiver
Age	n/a
Status	n/a
Location in relation to the institution	Works in the facility
Short biography in three points	Health professional in patient care
Motivations (recognition, power, reward…)	n/a
Objectives in relation to illness and treatment	n/a
Constraints and frustrations	Multiplication of forms to fill out for patients
Personality traits (introverted, logical, reflective…)	n/a
Understanding of the illness	5/5
Internet skills	3/5
Mobile telephone skills	3/5
Social networks skills	3/5

STANDARD PROFILE OF THE « Health professional 2 »

Position	Researcher
Name	Researcher

Age	n/a
Status	n/a
Location in relation to the institution	Works in the facility
Short biography in three points	Member of a research team who wishes to establish a cohort of patients
Motivations (recognition, power, reward…)	n/a
Objectives in relation to illness and treatment	n/a
Constraints and frustrations	Difficulty in ensuring that the non-opposition has been collected
Personality traits (introverted, logical, reflective…)	n/a
Understanding of the illness	5/5
Internet skills	3/5
Mobile telephone skills	3/5
Social networks skills	3/5

Definition uses

Uses are defined as the description of the current situation in the healthcare organisation facility from a particular point of view (patient or health professional, for example).

In order to have a perfect understanding of the current situation, it is important that each use be defined step-by-step, starting with step 1, which is the starting point (which can be, for example, the first consultation at the hospital for the patient, admission to the emergency room, return to the room after surgery) and finishing with stage X, which is the end point (the patient is completely treated, an end of remote monitoring ...). The time between the starting point and the end point represents the moment when the new digital solution must be used in the patient's treatment. At each defined step, it is important to highlight the current problems encountered and which must be solved by the use of the new co-developed digital solution. For each step, please list the current issues and what should be done to solve them.

Find below the description of the case

Use case "1st admission of a patient":

Step 1: Upon admission, a staff member of the facility informs the patient of the use of their data to build a data warehouse.

Step 2: Collect non-objection in digital format in a simple and easy way, by ensuring that the patient is not under guardianship or tutorship, that is to say, legally incapable and requiring the presence or consent of a third party.

Step 3: If the patient objects to the reuse of his data, it will be necessary to add it to the exclusion base of the data warehouse, or otherwise to register the patient's non-objection.

Step 4: The patient begins his stay in the facility.

Use case "The patient wishes to withdraw later his non-objection to the use of his data"

Step 1: The patient wishes to withdraw his non-objection a posteriori to the reuse of his personal data.

Step 2: He connects to a platform to signify his objection and it should ensure the identity of the patient concerned.

Step 3: Proceed to add the patient to the exclusion base of the data warehouse.

Technical and operational requirements

The solution must make it possible to collect the non-objection of patients on site during admissions and remotely through a web portal (see use cases above).

The solution must interface with the Dr Warehouse application that contains the facility's data warehouse, so that it is the most intuitive and easy to use.

Moreover, it must allow tracking of the collection of non-objection.

The collection of the non-objection at a distance must be able to guarantee the identity of the patient (to manage homonyms) and to respect the state of the art in computer security. It is in this context that for reasons of reliability and availability, this server must work with the Linux operating system.

Feasibility

The implementation of the solution will change the way patient admissions function. It is for this reason that the collection of non-objection must be as simple as possible and accessible to all patients and staff of the facility.

If an objection takes place a posteriori, it will be necessary to verify the identity of the patient. A solution can then be considered, by asking him for his unique IPP identifier.

Finally, it is important to specify that patients under guardianship or trusteeship should be automatically excluded from the data warehouse.

Financial Aspects

N/A

Expected Impact

Main objective:

The solution must make it possible to obtain a rate of collection of non-objection (or objection) of 100% of the new patients (the patients under tutorship or guardianship are excluded).

Secondary objective:

The solution should not lengthen the admission phase of patients.

Scope of the challenge

Information on the specificity of the challenge, if it is defined specific to the hospital

The Challenge will take place mainly in the hospital perimeter, but this problem can be applied to all facilities wishing to set up a data warehouse for research purposes