



eHealth
week

11 - 13 MAY 2015
RIGA, LATVIA

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meHEALTH



THE IMPORTANCE OF CERTIFYING PLATFORMS, SERVICES AND TOOLS USED FOR CLINICAL RESEARCH

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EHR Trends

Patient-centered

Longitudinal

Transmural

Multidisciplinary

Personalised

Structured and coded

Metadata

Integrated

Intelligent

Certified

Secondary use



Secondary use

*"I am fain to sum up with an urgent appeal for adopting ... **some uniform system of publishing the statistical records of hospitals.** There is a growing conviction that in all hospitals, even in those which are best conducted, there is a great and unnecessary waste of life ... In attempting to arrive at the truth, I have applied everywhere for information, **but in scarcely an instance have I been able to obtain hospital records fit for any purposes of comparison** ... If wisely used, these improved statistics would tell us more of the relative value of particular operations and modes of treatment than we have means of ascertaining at present" (Florence Nightingale, Notes on Hospitals, 1863; cited by prof. W. Hersh)*



Challenges

- Security, privacy & ethical and legal issues
- Interoperability
- Quality of EHRs and EHR data

Quality of EHRs and EHR data

- To use EHRs efficiently for clinical research a number of features are needed which are often lacking (e.g. security, confidentiality, trustworthiness, ...)
- Functions are required to ensure e.g. data correctness, completeness, accuracy, ...



Quality assurance is essential

Quality labelling & certification are needed

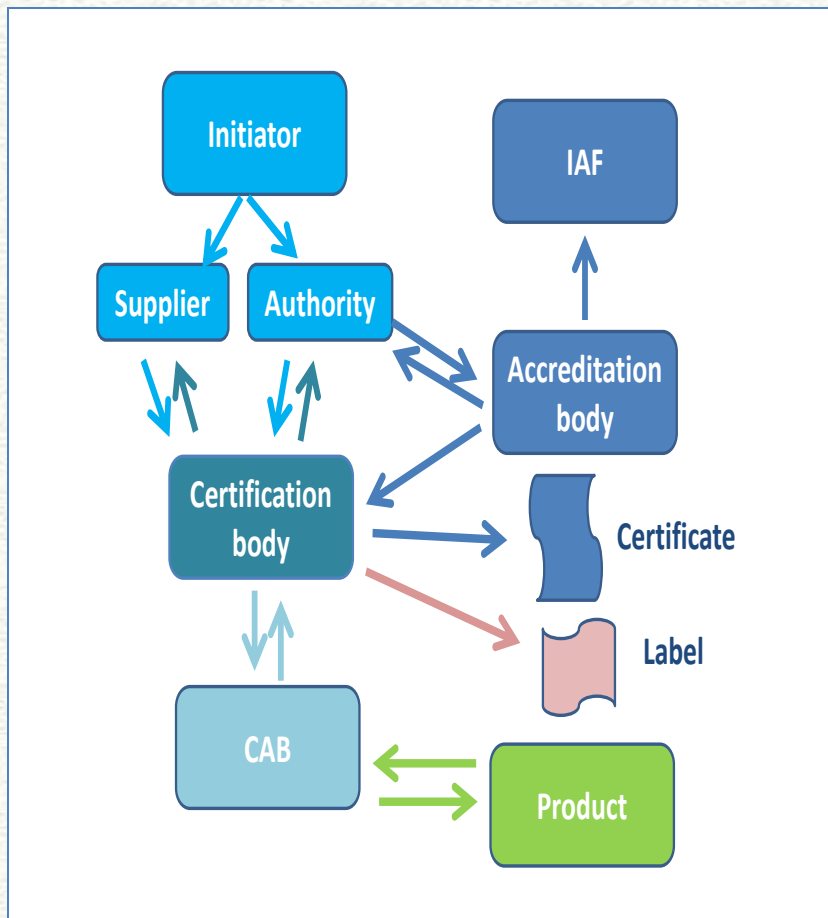


Five good reasons for EHR certification

- Assure compliance to national rules and standards
- Increase quality of the products through coherent and pre-tested functionality
- Leverage exchange of health (care) related data and interoperability of systems
- Improve patient safety in care
- Have a reliable data source for secondary use



Quality labelling and certification





The EuroRec Institute

- Main objective is to **promote the use of high quality Electronic Health Record systems (EHRs)** in Europe
- **Repository** of +1700 indexed, validated and translated **quality criteria**
- **Tools** that can be used to harmonise **certification**, product documentation and procurement specification of **EHR systems**

The EuroRec Tools



EuroRec Use Tools™

Mr. David Coordinator
Company ABC

Home Admin EuroRec

EuroRec Quality Assessment Suite

Composer

Certifier

Scripter

Testing

The EuroRec Use Tools™ suite enables the licensee to prepare and to manage certification, documentation and procurement of Health IT products in general, actually mostly focused on Electronic Health Record systems.

The EuroRec Use Tools™ are designed for professionals, using the **EuroRec Repository**, within the limits of the license agreement.

The **EuroRec Institute**, owner of **The EuroRec Use Tools™** and the **EuroRec Repository**, offers on request consultancy services for starting certification of Health IT products as well as training services for **The EuroRec Use Tools™**.

For more information contact: services@eurorec.org

EuroRec tools - Composer

Create a new view

Name of view: *:

Do you want headings?

Default view

1. GS006092.1 (13) The software distinguishes at least the following roles: administrator, administrative user and clinical user.
2. GS006094.1 (30) The software can read the eID card to retrieve the patient's NISS.
3. GS006095.1 (47d) The software generates the following documents imposed: the nursing termination report (see documentation)
4. GS006147.1 (126) The model documents provide automatic and manual selection of administrative and nursing data from the file possible. These data are automatically integrated in the production of the document actually. The completed model documents
5. GS006148.1 (128) The documents created based on models in which the data is integrated automatically, can be adapted and validated before they can be printed or forwarded.
6. GS006149.1 (128bis) The documents prepared are saved per patient and can not be changed after validation. However, it is possible to create new versions.

EuroRec tools - Scripter

Report

Script content:

Generate discharge report for patient Y

Default view

- | | | | |
|-------------------------------------|--|-----------|---|
| <input type="checkbox"/> | 1. (13) The software distinguishes at least the following roles: administrator, administrative user and clinical user. | Mandatory | 1 |
| <input type="checkbox"/> | 2. (30) The software can read the eID card to retrieve the patient's NISS. | Mandatory | 1 |
| <input checked="" type="checkbox"/> | 3. (47d) The software generates the following documents imposed: the nursing termination report (see documentation) | Mandatory | 1 |
| <input checked="" type="checkbox"/> | 4. (126) The model documents provide automatic and manual selection of administrative and nursing data from the file possible. These data are automatically integrated in the production of the document actually. The completed model documents | Mandatory | 1 |
| <input checked="" type="checkbox"/> | 5. (128) The documents created based on models in which the data is integrated automatically, can be adapted and validated before they can be printed or forwarded. | Mandatory | 1 |
| <input checked="" type="checkbox"/> | 6. (128bis) The documents prepared are saved per patient and can not be changed after validation. However, it is possible to create new versions. | Mandatory | 1 |

Scenario based testing

Open patient record

Description:

Log in as user X. Open patient record of patient Y with eID card

Save description

Selected statements:

- | | | |
|---|-----------|---|
| (13) The software distinguishes at least the following roles: administrator, administrative user and clinical user. | Mandatory | 1 |
| (30) The software can read the eID card to retrieve the patient's NISS. | Mandatory | 1 |

Report

Description:

Generate discharge report for patient Y

Save description

Selected statements:

- | | | |
|---|-----------|---|
| (47d) The software generates the following documents imposed: the nursing termination report (see documentation) | Mandatory | 1 |
| (126) The model documents provide automatic and manual selection of administrative and nursing data from the file possible. These data are automatically integrated in the production of the document actually. The completed model documents | Mandatory | 1 |
| (128) The documents created based on models in which the data is integrated automatically, can be adapted and validated before they can be printed or forwarded. | Mandatory | 1 |
| (128bis) The documents prepared are saved per patient and can not be changed after validation. However, it is possible to create new versions. | Mandatory | 1 |

COME TO VISIT US AT THE EXHIBITION SESSION FOR A LIVE DEMO

THANK YOU

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