

Improving the quality of
electronic prescribing
systems for general
practitioners: choice of
criteria, certification process
and implementation



16th WONCA
EUROPE
CONFERENCE
Malaga - Spain
October 2010





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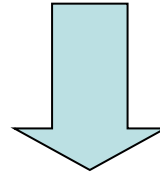
**Improving the quality of electronic
prescribing systems for general
practitioners: choice of criteria,
certification process and implementation**

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Context

**Ten main Electronic Prescribing Systems (EPS) for
general practitioners
among 100 EPS for ambulatory medicine in France**

French National Authority for Health

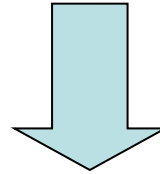


**Mission of EPS' certification using the international
nonproprietary name
voluntary procedure firstly for ambulatory medicine
(2008) secondly for hospitals(2010)**

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Procedure

Working group

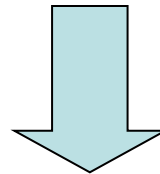
Experts in pharmaceuticals and medical ITS

Users

EPS editors

Pharmaceutical databases (PDBs) developers

Mission



Minimum requirements of an EPS in ambulatory care
with DELPHI method

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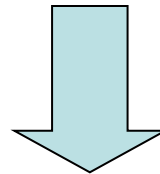
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Criteria

After a peer review 72 criteria finally selected

- | | | |
|----|-------------------------------------|-------------|
| 1. | Prescription safety assesment | 33 criteria |
| 2. | Facilitating the practitioners'work | 19 criteria |
| 3. | Prescription reglementary rules | 5 criteria |
| 4. | Data medical economic | 4 criteria |
| 5. | Transparence | 7 criteria |
| 6. | Neutrality | 3 criteria |
| 7. | Marking | 7 criteria |
| 8. | Special functions | 6 criteria |

Example: prescription safety assesment

For pregnant women

Criterion 12

date of the last period is known and registered

Criterion 40

**Alert if the drug is not recommanded for
pregnancy's term**

Procedure

Another working group has designed tests for assessing quality

4 brands of EPS were tested

- each test successfully passed by at least one EPS
- no EPS successfully passed all tests

Key role of pharmaceutical databases (PDBs)

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One EPS was certified in November 2009 and four software developers are going to begin the tests

Now only 200 practitioners are using the certified EPS

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Discussion

What are the choices now?

Compulsory certified EPS

or

Financial incentives either for practitioners or for editors

Documents

- Criteria for certification : http://www.has-sante.fr/portail/display.jsp?id=c_576417
- Patient scenarios : http://www.has-sante.fr/portail/display.jsp?id=c_590032
- Code of practice for pharmaceutical databases : http://www.has-sante.fr/portail/upload/docs/application/pdf/c_harte_has_bdm170907.pdf
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Thank you

Do you have any question?