



HAUTE AUTORITÉ DE SANTÉ

Designing explicit criteria to control the quality of outpatient electronic prescribing systems in France

P. Liot (HAS), M. Toussi (HAS), I. Anglade (HAS), G. Simon (ESIRIM), H. Nabarette (HAS)

23 april 2008

- **About 100 Electronic Prescribing Systems (EPS) for ambulatory medicine in France**
 - **≠ range of functionalities, ergonomics**
 - **≠ quality to ensure the safety of prescribing**
 - **no procedure for controlling and certifying**
- **Haute Autorité de Santé (HAS) : « Independent administrative authority »**
- **Mission mission of working out a certification of EPS with possibility of use of the international nonproprietary name**
- **Voluntary certification procedure only for ambulatory medicine at this time**

- **Working group**
 - **experts in pharmaceuticals and medical informatics**
 - **representing users**
 - **representing companies producing EPS**
 - **pharmaceutical databases (PDBs) editors**

- **Minimum requirements of an EPS in ambulatory care : DELPHI**
 - **prescription safety**
 - **facilitated the work of the practitioner**
 - **helped contain costs**
 - **feasibility of developing these functions**

- **Administrative rules of a prescription**
- **Drug coding**
- **Patient records**
 - **disease coding**
 - **allergic conditions**
- **Promoted functions**
 - **contra-indications to drugs**
 - **drug interactions**
 - **dosing**
 - **cost-effective prescriptions**
 - **possibility of use of international nonproprietary name**

- Peer review

⇒ 72 criteria finally selected (http://www.has-sante.fr/portail/display.jsp?id=c_576417)

- Another working group to design tests (patient scenarios, http://www.has-sante.fr/portail/display.jsp?id=c_590032) for the quality control
- 5 brands of EPS were tested during test development
 - each test successfully passed by at least one EPS
 - no EPS tested passed successfully all tests

- **EPS may be restricted in ability to ensure safety**
- **Use the international nonproprietary name**
- **Key role of pharmaceutical databases (PDBs)**
 - **the EPS and PDB need to be assessed together**
 - **code of practice for PDBs (http://www.has-sante.fr/portail/upload/docs/application/pdf/charte_has_bdm170907.pdf)**
 - **PDB must be approved by HAS before EPS can be certified**

- **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/charte_has_bdm170907.pdf
- **p.liot@has-sante.fr**