



Diversity and Standardization in the Development of Clinical Guideline Models:

The case of Cuba Gooding vs. Perry Miller

or

What do the stakeholders want?

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Question

Diversity vs. Standardization


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Research vs. Industry

OR

Industry vs. Research

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Research: one model
to rule them all?

Peleg et al. 2003:

We outlined how some groups are pursuing standardization [...]

We recognize, however, that because of the different goals of various research groups, a consensus model will be acceptable to the research groups only if it concurrently allows them to continue their investigations of unique features.



Industry: time to
market?


OpenClinical white paper 2001:

Despite the diversity [...] take-up is still limited. Among the reasons for relatively slow adoption [...] are a lack of awareness [...], inadequate access to tools and services, and incompatibilities between them, limiting their effectiveness and creating potential for misuse.



Industry: current situation

- Arden Syntax:
 - First version in 1989
 - Accepted as standard in 1992 and in 1997
 - OpenClinical: 5 registered vendors
- Experiences in the Netherlands
 - Guideline formalisms are virtually unknown by vendors (and care providers)
 - Vendors typically develop ‘clinical decision rule systems’ by themselves.



Research: current situation

- Guideline modeling and representation typically received most interest, not implementation
- Real benefit lays in the whole guideline development process (representation, acquisition, verification, execution).
- This is increasingly being recognized by the research community
- We are still growing up



Standardization vs. diversity

In order to find a balance between standardization and diversity, we need to:

- Look more at practical implementations
- Identify various types of information that a guideline contains
- Focus on standardizing components instead of one standard guideline representation model
- Tighten the relationship research \leftrightarrow industry



Standardization vs.
diversity

Closing comment from the
Boston workshop:

- Show me the money!
- *Cuba Gooding*
- Give me the time!
- *Perry Miller*