

# A History-Based Algebra for Quality-checking Medical Guidelines

Arjen Hommersom   Peter Lucas   Patrick van Bommel  
Theo van der Weide

Institute for Computing and Information Sciences  
University of Nijmegen

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## Aims:

- Verify properties and study the quality of medical guidelines
- Highlighting essential elements of the guidelines
- Towards describing the construction of a guideline

## Scope:

- Focus on patient group
  - Formalisation of a number of important elements of a guideline
  - Describing the dynamics of patient groups, i.e., patient processes, expectations about treatments, etc.

## Results:

- Motivated the formalisation with examples from the Dutch CBO and Scottish SIGN guideline
- Used it to find inconsistency between these guidelines

## Future work:

- High-level methods to characterise a history
- Making the construction of a guideline more formal