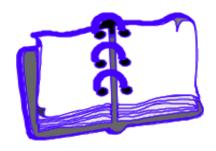
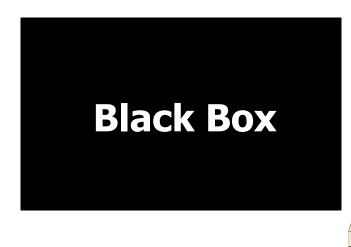
## Translation of Guideline Knowledge for Decision Support

- Collaborators at Stanford, Harvard and Columbia
- Task: Knowledge engineers individually encode guidelines for vaccine administration and for workup of breast mass
- Test: Submit standardized patients
- Outcome: Different recommendations would be given for the same patient

## Challenge of Representing Guideline Knowledge Electronically

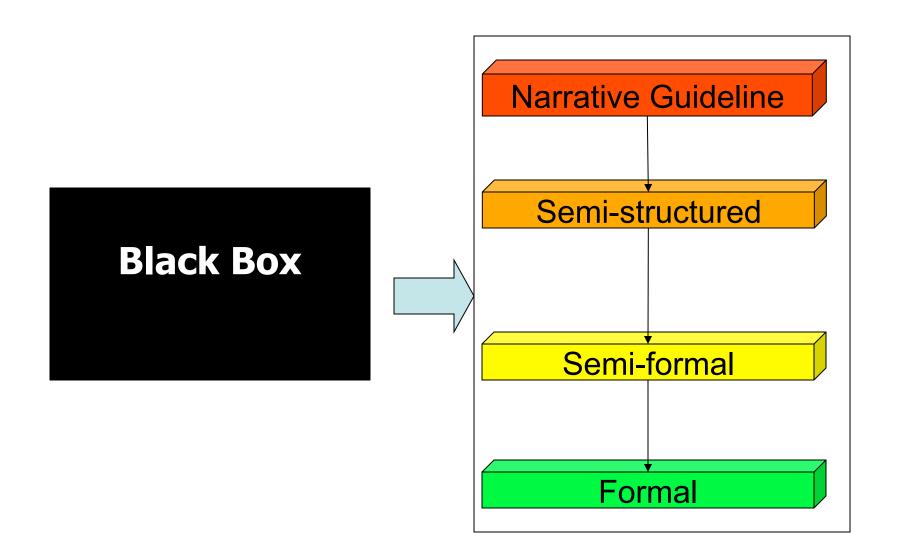


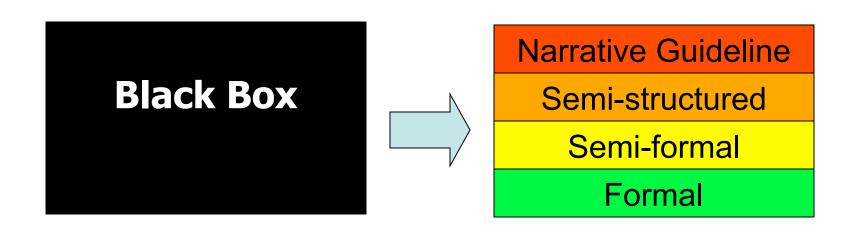
Published Guideline

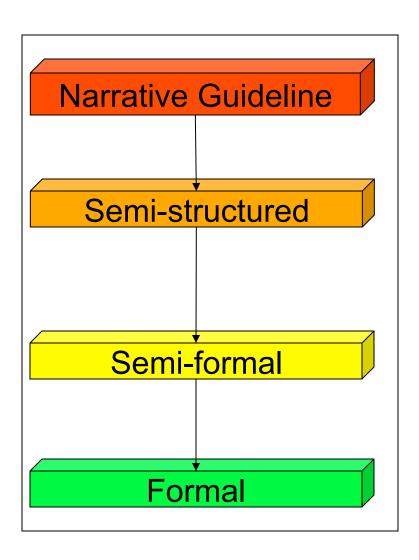


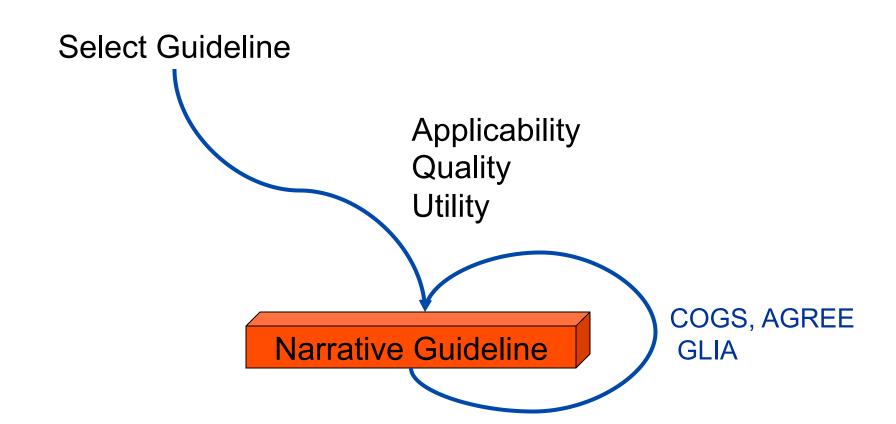


Computer-Based
Guideline Implementation

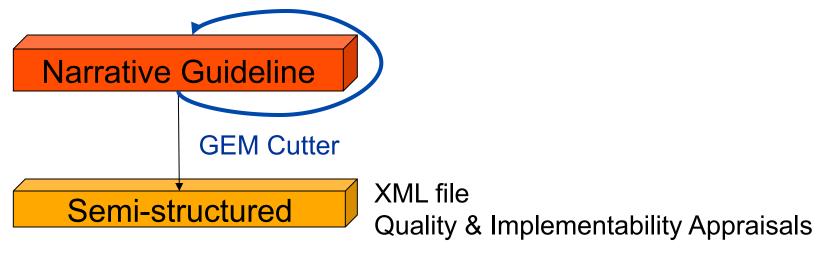








## Narrative to Semi-Structured



## Semi-Structured to Semi-Formal

