

Therapeutic Guidelines

From online to inline?

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Clinical Decision Support Technical Workshop
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Outline

- Therapeutic Guidelines Limited
 - purpose
- Production
 - processes
- eTG complete
 - demonstrate
- miniTG
 - challenges

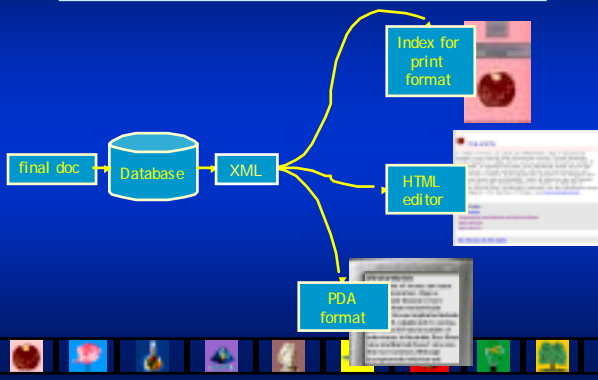
About Therapeutic Guidelines Ltd

- The organisation
 - not-for-profit organisation independent of Government and the pharmaceutical industry.
- Purpose
 - to produce comprehensive disease-based treatment information based on the best available evidence integrated with clinical experience.
 - the information is designed to support health professionals in the management of their patients to improve health outcomes across the community.

Content development cycle



SISMO production software



Characteristics of guidelines

- Clinically orientated
 - arranged according to clinical problem
 - clear, practical & succinct advice
- Comprehensive
 - cover all common areas of care
- Authoritative
 - expert & independent interpretation of evidence
- National
 - national input to derive national consensus
 - endorsed by peak professional bodies
- Up-to-date
 - updated regularly in iterative cycles allowing
 - response to feedback, criticism
 - shift in accordance with evidence
- Sustained by sales
 - respond to demand of market

What's in the Guidelines?

Urinary tract infections

Acute cystitis

Management options

- condition
- nondrug advice
- general info
- advice for standard case
- drug recos
- special case

Utility of guidelines

- Problem-based lookup (a second opinion)
 - general practitioners
 - pharmacists
 - hospital clinicians
 - specialists
- Basis for teaching, used extensively by students
- Basis for local development of consensus within healthcare institutions
- Standard of care
 - criteria for evaluation
- Basis for adaptation for other countries, eg Japan, China, Spain, Russia, Croatia

Electronic production goals

- Simple interface
 - Easy, accurate and fast navigation
 - Show user where she/he is
- Follow good design and usability principles (eg usability.gov)
- Fit in with clinician workflow
- Preserve the meaning of the content
- Cross-browser /OS/platform functionality
- Cost-effective production process



eTG complete

Urinary tract infections

Acute cystitis

Management options

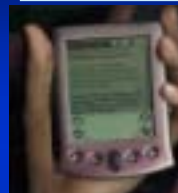
Synchronous table of contents

Acute cystitis management options

Seen this?

More info

Therapeutic Guidelines for PDAs: mini TG



- Useful for mobile clinicians
- Access information at bedside



- Small screen size
- Low screen resolution
- Lack of suitable browsers

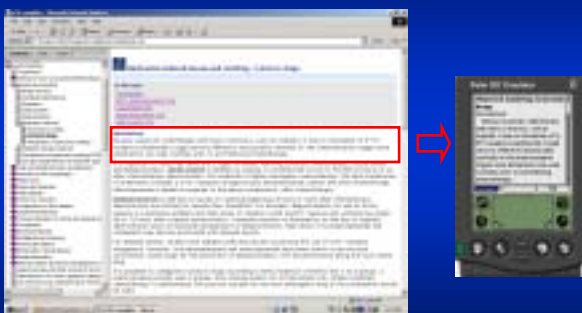
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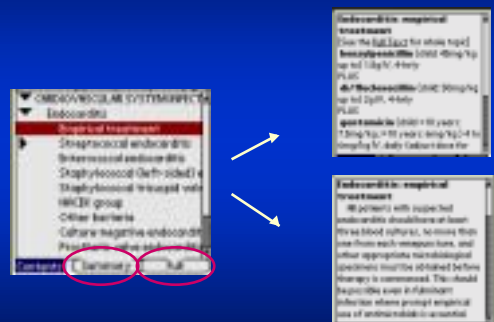
mini TG

- Document browser
 - Palm OS - TealInfo (TealPoint Software)
 - Pocket PC – developed in-house (Java)
- Expandable/collapsible table of contents
- Index
- Summary and full text tabs
- Hyperlinks
- Tables
- Calculators/interactive pathways

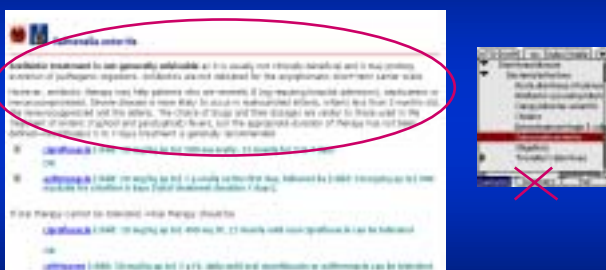
eTG complete versus mini TG



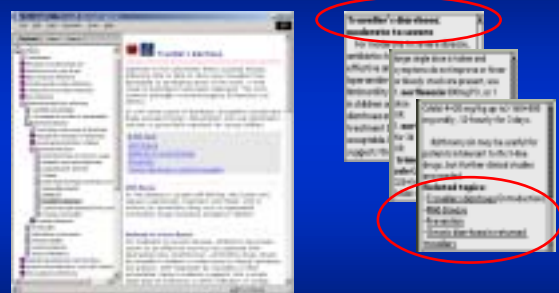
Summarising content



Summarising content

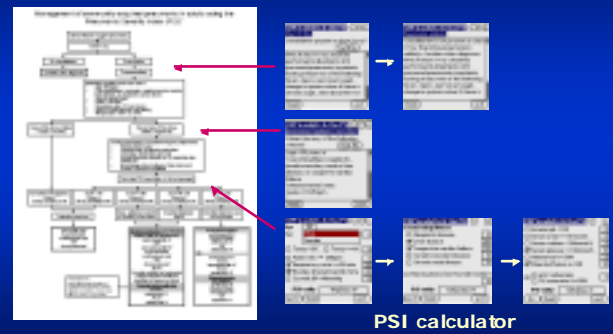


Deconstruction of topics



Tables

Interactive pathways



PSI calculator

Integration with prescribing software



Production team/team work

- Editors, who work with writing groups, oversee production of different products
- Production team have broad qualifications and experience
 - GP, pharmacy, health publishing, linguistics, drug use evaluation, epi & biostatistics, software engineering, computer science, AI
- Editors, IT and R&D share same office

Conclusion

- Development of even 'simple' electronic versions is not a simple matter
- Producing books and e-products multiplies several-fold the no. of products, production methods, quality control burden and cost
- Moving further towards electronic decision support systems will require increasing collaboration and cooperation