

Decision Support Tool for West Vic Division of General Practice



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Project Details

- West Vic Division of General Practice
- Electronic Radiology Referrals
- Electronic Radiology Reports
- Decision Support
 - Lower Back Pain (Royal Australasian College of Radiologists Guidelines)
 - Neck
 - Thyroid
 - Breast



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Guiding Principles

- Use existing foundations
- Interoperability with GP Software
- Not Inhibit GP workflows
- Utilise standards wherever applicable
- Capability of use with other investigation order types



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Standards

- Interoperability Standards
- Knowledge/Logic encoding
- Display/Markup
- Terminology



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Our Approach

- Utilise existing foundations
- Collaboration with Pen Computer Systems
- DSML (Decision Support Markup Language)
- Royal Australasian College of Radiologists Guidelines as Knowledge Base
- Clinician input in design and presentation



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Why DSML

- What is DSML
- Properties – Open source
- Functions – Modified
- Why not Arden/GLIF
- Variations/Modifications



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Technologies Used

- XML/DSML
- Extensible Style Language (XSL)
- Cascading Style Sheet (CSS)
- Active Server Pages (ASP)
- JAVASCRIPT



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Interoperability

- Interoperability within General Practice
- Useful and usable Decision Support Tool for clinicians
 - Affordable
 - Sustainable
 - Scalable
- Used With/Without Medical Director
- Generic Decision Support without patient data



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How HL7 might fit in

- Clinical Document Architecture (CDA)
- Markup
- Knowledge
- Code Set Harmonisation
- Data Interfaces



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Questions



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