Clinical information management frameworks in a time of health reform

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Outline

• Setting the scene
• Developing the Data Quality Framework (DQF) and the Statewide Forms Governance Framework (SFGF)
• Consultation approach
• Governance approach
• DQF and SFGF Approval
• Implementation progress in a time of health reform
Setting the scene

• Clinical Information Management (CIM), PEP Directorate, HSIA - responsible for clinical information planning, policy, standards and governance; including data quality.

• The development of the DQF and SFGF were identified needs.

• Creating a standardised and consistent approach.
Developing the DQF and the SFGF

- Environmental scan
  - Queensland, National and beyond
- Consolidation and drafting
- Targeted consultation
- Leveraging existing activities
- Buy-in, selling benefits and practical implications
- Incremental implementation approach
- Extensive undertaking
- Keeping abreast of health reform changes
Developing the DQF

• The DQF encompasses six main components
  – Definition of data quality, including the dimensions of data quality
  – Data quality principles
  – Data quality governance approach
  – Compliance monitoring
  – Self assessment tool
  – Data quality improvement work cycle.

Data quality means data is ‘fit for purpose’
DQF - tools

• Measured against the six principles of data quality

• To be completed every six months and sent to Data Quality Team

• Provides immediate feedback to the business area completing the template.
**DQF - tools**

### Queensland Health DQF Statewide Data Quality Compliance Monitoring Report

<table>
<thead>
<tr>
<th>Principle 1 - Governance: Organisational leadership and accountabilities for data quality improvement are defined and documented.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard: 1.1 Data Quality Governance Approach is defined and implemented.</td>
</tr>
<tr>
<td>1.1.1 Approval of Queensland Health DQF by Chief Information Officer (CIO).</td>
</tr>
<tr>
<td>1.1.1.1 Communication of Queensland Health Data Quality Framework to business area(s).</td>
</tr>
<tr>
<td>1.1.2 Operation of Strategic, Authorising, Coordinating and Domain Body activities.</td>
</tr>
<tr>
<td>1.1.2.1 Contribution to Coordinating, Authorising and Strategic Bodies activities.</td>
</tr>
<tr>
<td>1.1.2.2 Operation of business area data quality improvement activities in alignment with the Queensland Health Data Quality Framework.</td>
</tr>
<tr>
<td>1.1.2.3 Compliance monitoring reported to Coordinating Body through agreed business area data quality contact.</td>
</tr>
</tbody>
</table>

### Principle 2 - Policy: Defined and documented policy is in place to support data quality improvement.

| Standard: 2.1 Queensland Health Data Management Policy is current and accessible. | FC | Mac | PC | Mic | IC | N/A |
| --- |
| 2.1.1 Approval of Queensland Health Data Management Policy and Implementation Standard by CIO. | FC | | | | | |
| 2.1.1.1 Communication of Queensland Health Data Management Policy to business area(s). | 91% | 4% | 4% | 0% | 0% | |
| 2.1.2 Implementation of the Queensland Health Data Management Policy and Implementation Standard across Queensland Health business areas. | FC | | | | | |
| 2.1.2.1 Alignment of business area documentation (e.g. guidelines, procedures) to approved Queensland Health Data Management Policy and Implementation Standard. | 0% | 0% | 4% | 91% | 4% | |
| 2.1.2.2 Alignment of Information Communication Technology (ICT) systems with approved Queensland Health Data Management Policy and Implementation Standard (those in procurement, development and operation). | 0% | 0% | 0% | 96% | 0% | 4% |

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- Combination of collated business area compliance monitoring reports and statewide measures.
- Statewide report is tabled at the Data Management Sub Committee.

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Please see page 6 of this report for a list of DQF Data Quality Compliance Monitoring Reporting Business Areas.
# DQF - tools

## Queensland Health DQF Data Quality Self Assessment Tool

<table>
<thead>
<tr>
<th></th>
<th>Measure</th>
<th>No of Criteria</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ACCURACY</strong></td>
<td></td>
<td>0</td>
</tr>
<tr>
<td><strong>VALIDITY</strong></td>
<td></td>
<td>0</td>
</tr>
<tr>
<td><strong>RELIABILITY</strong></td>
<td></td>
<td>0</td>
</tr>
</tbody>
</table>

Please utilise the Support Guide to assist with completion of tool.

**Completed By:**

**Business Area:**

**Date:**

[Graphs showing data quality levels (high, medium, low)]

- [High level graph]
- [Medium level graph]
- [Low level graph]
Developing the SFGF

• The SFGF can be leveraged in a federated manner to provide the following;
  – Plan for emerging priorities
  – Ensure transparency and visibility of forms developed
  – Implement forms governance at a local level.
Developing the SFGF
Consultation approach

• Stakeholder analysis
• Subject matter experts
  – Health Information Managers (HIMs)
• Communication plan
• Responding to feedback
• Keeping abreast of health reform changes
Governance approach

- Authoritative bodies
- Enterprise level of approval
- Operationalise as business as usual
- Keeping abreast of health reform changes
DQF and SFGF Approval

- Communication, training and support
- Networks engaged to support standardisation
- Keeping abreast of health reform changes
Implementation progress in a time of health reform

• Development of DQF Implementation plan
  – Some compliance monitoring reporting – September 2012
• Development of SFGF Integrated plan
• Agile document – continuously reviewed
• Keeping abreast of health reform changes
What does this mean for HIMs

• A coordinating team for statewide data quality

• Greater level of support for standardising local data quality activities
  – Policy, implementation standard, protocols, guidelines
  – Governance
  – Support and advice

• Engage the Hospital and Health Services, business areas and clinical networks regarding data quality activities

• Central resources/tool

• Supports the transition to an electronic HIM (eHIM)
Thank you

We would also like to take this opportunity to acknowledge the work of staff within Clinical Information Management in contributing to the development of the frameworks.

Questions?