

Hurdles of Integration

RIS - OCS

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HL7

- Standard HL7 2.4 is used.
- OMG^019 General Clinical Order Message
- ORG^020 Order Acknowledgement Message
- ORU^R01 Clinical Result Message
- Pas messages
- Duddle eh!!



HL7 Overview of messaging

- OCS – CRIS Messages
 - Create OMG^019 “NW”
 - Cancel OMG^019 “CA”
- CRIS – OCS Messages
 - Appt made OMG^019 “SC” status val “SC” scheduled
 - Pt attended OMG^019 “SC” status val “IP” In Progress
 - Cancelled OMG^019 “CA” status val “CA” Cancelled
 - Order Changed! OMG^019 “XO” response XR or UX
 - Exam added OMG^019 “NW” response OK or UA
 - Exam Performed OMG^019 “SC” status val “CM”
 - Report Entered ORU^R01 status “P”
 - Report Verified ORU^R01 status “F”
 - Report Amended ORU^R01 status “C”

Order Control

- Passing of control between systems.
 - Once an order is accepted into CRIS it's ours.
 - They can't change it
 - They can't cancel it
 - They can order something new on a new order though
 - You will need to cover this in Workflow
 - Cross entity workflow
 - code synchronisation
 - whose OCS do you message when each status point is achieved.

Workflow

- Paper Free vs Paper light
- GP's / PCT's requesting
- Procedures on cancelling / changing / urgent results etc
- Physical departmental workflows
- Order Control
- Start Planning



Common Issues

- IT dept
 - Experience vs Enthusiasm
 - 24 x 7 support
 - Lack of understanding of implications of availability
- Clinicians
 - Requestors
 - Expectations not correctly set – Magic paper free environment
 - Radiology
 - Get involved at the wrong places – Radiologists & appt workflow
 - Poor requirements gathering and enforcement
- OCS Vendor
 - Re-Inventing wheels
 - Expectation setting – actual functionality vs reality



Common Causes for Delay

- DataCentre & Trust Firewalls badly set up
- Failure to read the Specification !!
- IP details of 3rd party constantly changing
- Failure to read the Specification !!
- Insufficient testing by Trust and 3rd party
- Failure to read the Specification !!
- Exception handling
- Failure to read the Specification !!
- Message routing and timing
- Failure to read the Specification !!
- OCS vendor growing pains



Future Functionality

- Enterprise Scheduling
- Vetting module-rowthorne
- CRIS general worklists-rowthorne
- Any Questions?
- Irmer compliance