Radiology QI ICT System **Overview**

Brian Dunne RQI ICT Project Manager, Office of the CIO

16-Jun-2015

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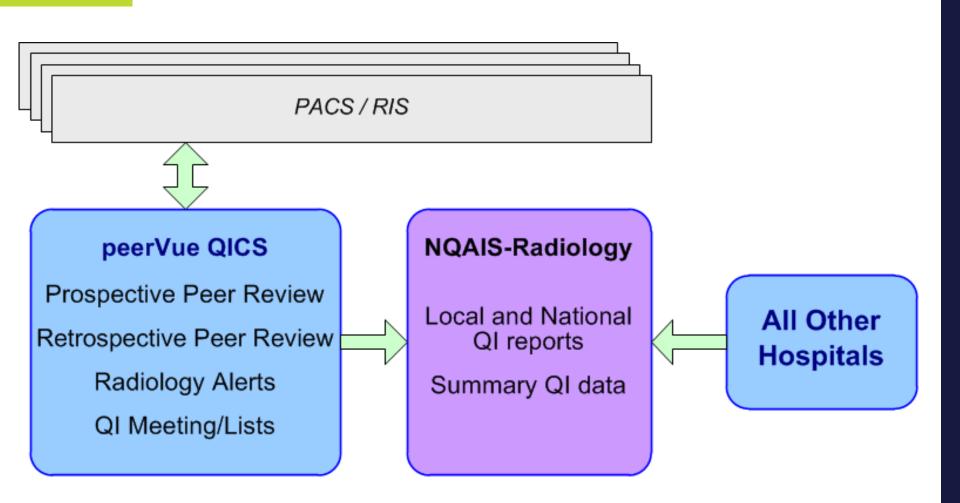


Timeline

2010

- Faculty of Radiologists established the National Quality Improvement Programme in Radiology
- **2011**
 - Requirements specification
- 2012
 - Public procurement (EU tender)
- Sep 2013
 - Contract awarded for McKesson/peerVue
- Jun 2014
 - First site live University Hospital Waterford
- Jun 2015
 - 30 sites live

Radiology QI ICT Solution



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Feidhmeannacht na Seirbhíse Sláint Health Service Executive



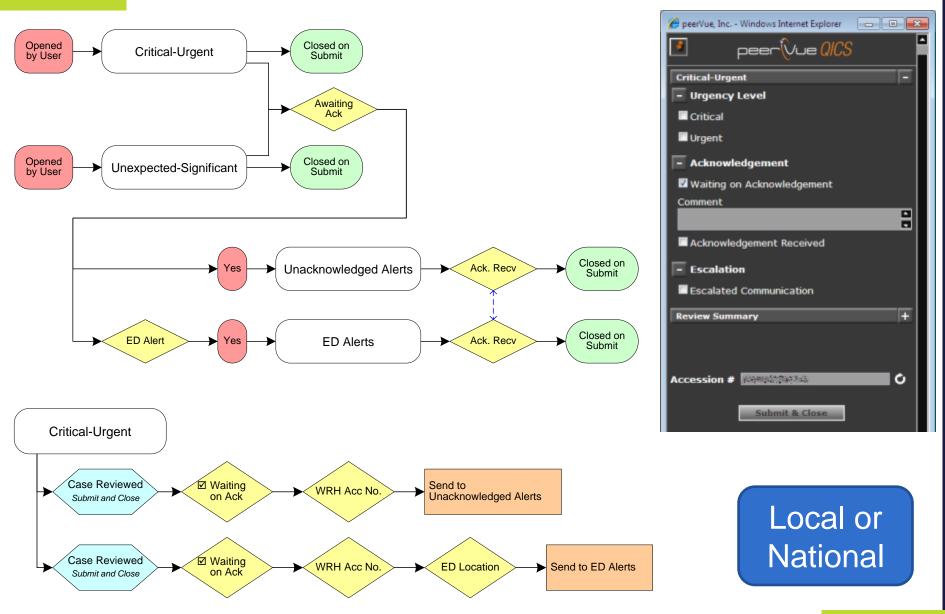
QI Workflows

- QI Guidelines / Reqs Spec / Tender
- QI Workflows
 - Process descriptions
 - Mock-ups
 - o peerVue QA panels
- Workshops
 - Project team
 - Radiology QI Working Group
 - Regional (4)

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peerVue Space Design

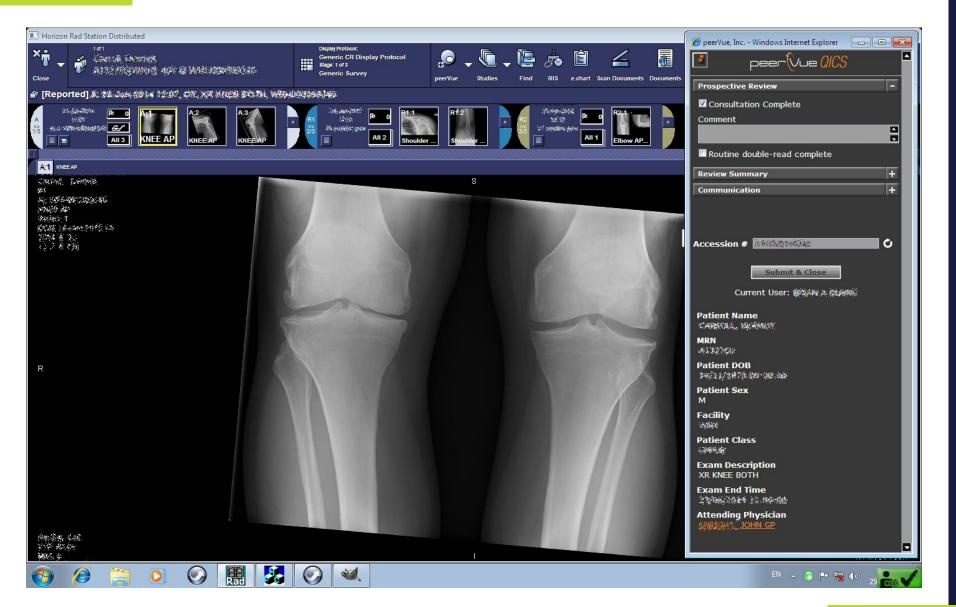
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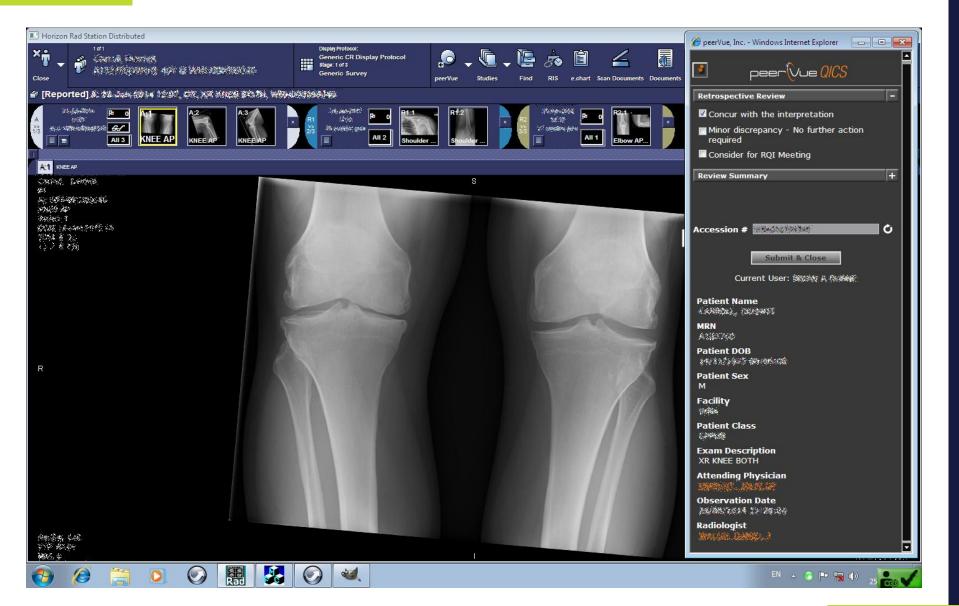
IF NIMIS and peerVue



H Prospective Review



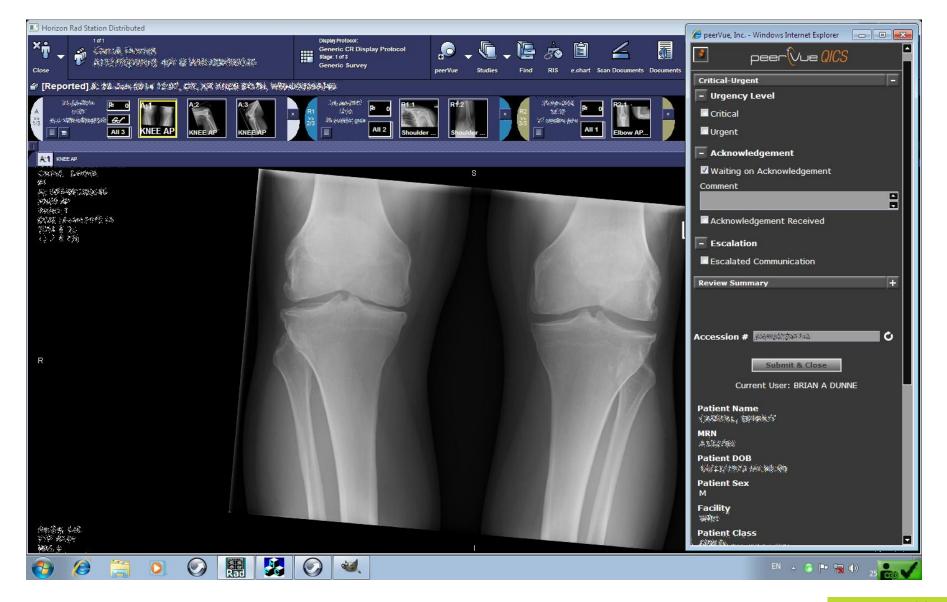
B Retrospective Review



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F Radiology Alert 1



F Radiology Alerts 2

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First Site Implementation

- University Hospital Waterford
- Integration with McKesson RIS & PACS
- Comprehensive testing

Feidhmeannacht na Seirbhise 5 Health Service Evecutive

- Final configuration of peerVue
- Supplementary spaces
- Security configuration
- Go Live June 2014



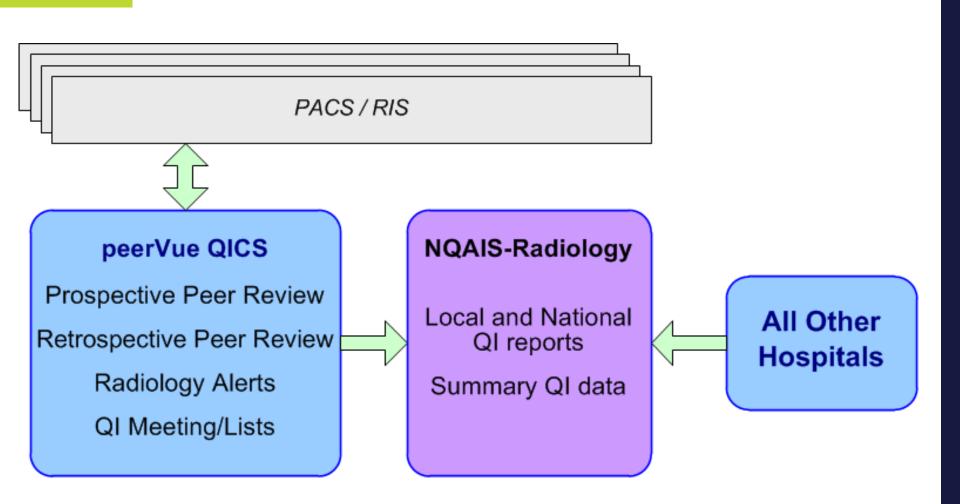
- 16 sites live by end of 2014
- Evolved
 - Implementation approach
 - Documentation and training
 - Acceptance tests
 - Technical questionnaires
 - Communication materials



	2014			20	2016			
Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
1	2	13	4	13	8	1	2	6

- Private Hospitals
 - Implement ICT solutions to support QI processes
 - Transfer QI information to NQAIS-Radiology

Radiology QI ICT Solution



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- 12 week project
- Personnel
 - Lead QI Radiologist
 - RQI Technical Lead (typically PACS Manager)
 - Support staff lead
- Key tasks
 - Policies and procedures
 - User and clinician lists, including contact details
 - Testing

Implementation 2

- Project web site
 - https://docs.healthatlasireland.ie/nqais-radiology
 - User Guides, Quick Reference Guides, Install Guides
 - Sample policies and procedures
 - Questionnaires
 - Communication material
- Training

tidhmeannacht na Seirbhúse 5

- Hospital's team (0.5 day on site)
- Online training video
- Face-to-face during go-live
- Advanced peerVue (2 days, post go-live)
- Radiology QI Tech Leads Forum



- Implementation
 - peerVue on 50 sites
 - Private hospitals
 - NQAIS-Radiology
- Data quality analysis & improvement
- Quality Indicators review, target setting
- peerVue upgrade



peerVue Configuration

1203 workflow actions **30 hospitals** 34 assignment timers 709 panel attributes 1533109 studies **270 security roles** 41316 QI records 125 spaces 1888 workflow conditions 8 national spaces 8278 users 1202 workflow triggers 1329 access rules 94 assignment conditions 1256 study fields

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