

Quality Improvement Division
Decontamination Safety Programme
Progress Report December 2016

Champion • Provide information and evidence to support people working in practice and policy to improve care

Endoscope Decontamination Acute Service

The Decontamination Safety Programme published a “Review of Endoscope Decontamination Services in Acute Hospitals” in April 2016. The review identified key priorities such as the need for academic training, capacity planning for Endoscope decontamination services and management of endoscopes used “out of hours” for unplanned emergency procedures.

Action: In September 2016, the Decontamination Safety Programme disseminated a “Guidance Note for the Management of Endoscopes Used Out of Hours for Unplanned Emergency Procedures” to all Group Hospital CEO’s. This document is the first document internationally to address this patient safety issue.

Surgical Instrument Decontamination Acute Services

A HSE review of surgical instrument decontamination (2015) identified the need for a formalised academic training programme to enhance safe practice and support personnel involved in the management or decontamination of surgical instruments.

Ultrasound Probe Decontamination Acute Services

A HIQA ‘Report on Unannounced Inspections’(March,2016) identified areas, such as interventional radiology, where Semi-critical Probes were in use, that infrastructure and methods employed did not always support the implementation of best infection prevention and control practices.

Action: The Decontamination Safety Programme circulated a draft “Guidance Document for Decontamination of Semi-critical Ultrasound Probes” (Dec, 2016) for consultation, final publication due in Jan 2017.

Transport of Used Medical Devices Acute and Primary Care

A review of the European Agreement Concerning the International Carriage of Dangerous Goods by Road 2015 (ADR, 2015), identified issues with the availability of packaging in Ireland meeting with the requirements specified in the ADR, for transport of uncleaned RIMDs.

Action: The Decontamination Safety Programme in collaboration with the Competent Authority and the HSE HR Directorate have developed a guidance document to support safe transport of uncleaned RIMDs in Acute and Primary Care due for dissemination late Dec 2016.

Loaning and Borrowing Acute Services

The HSE Decontamination Safety Programme supported the update of the Voluntary Healthcare Agencies Risk Management Forum, “Medical Device Loaning, Borrowing and Trialing” Document which has been adopted in its entirety by HSE.

Action: The updated version was disseminated Dec 10th 2016.

Primary Care Decontamination

The Decontamination Safety Programme’s involvement in the Royal College of Physicians Minor Surgery in Primary Care Research Project (May 2016), identified the need to provide guidance to support all personnel involved in the decontamination of reusable invasive medical devices across the Primary Care Service including GP, Podiatry and Dental Practice .

Action: The Decontamination Safety Programme published “Guidance for the Application of Standards and Recommended Practices for Local Decontamination Units in Primary Care GP, Podiatry and Dental Practice” (Dec 2016).

Action: The Decontamination Safety Programme worked on the development of an educational video with Dublin Dental University Hospital Trinity. This video provides a valuable resource to Primary Care Services and identifies best practice in the design, flow and layout of a Primary Care LDU incorporating best decontamination practices.

Health Information Quality Authority

In August 2016 the QID Decontamination Safety Programme met with HIQA who confirmed that there is an intention to develop a specific Endoscope decontamination monitoring Programme with guidance circulated by HIQA to healthcare providers in advance of the monitoring process, early 2017. It is expected that this Programme will include surgical instrument decontamination in 2018.

The QID Decontamination Safety Programme participates on the HIQA Advisory Group for Prevention and Control of Healthcare Associated Infection in Acute and Primary Care.

Educate

- Build capacity for leadership and quality improvement through training programmes and education events.

Access to Standards

Medical device decontamination is a highly regulated area with over 50 International and European Standards governing safe practice. Access to these standards supports safe decontamination practice, develops capability and minimises the risk of healthcare associated infection.

Action: In April 2016 the Decontamination Safety Programme in partnership with the National Director of Acute Services Dr Liam Woods, provided all HSE hospitals with online access to 50 European Standards applicable to medical device management and medical device decontamination. This is the first National Healthcare project of its kind in Europe, providing savings of €500,000 for procurement of ISO and EN Standards across the HSE.

Sharing Learning

Action: The Quality Improvement Division's Decontamination Safety Programme utilise the Medical Device e alert system to disseminate and share learning from decontamination incidents (National and international) to service providers to minimise risk of reoccurrence and improve quality of service delivery. The mode of delivery of learning from decontamination incidents is unique to Ireland.

Academic Programmes

Action: In partnership with IT Tallaght and Industry, the Quality Improvement Division's Decontamination Safety Programme supported the development of a blended learning Level 6 Minor Award in Endoscope and in Surgical Instrument Decontamination (Sept 2016). In total the QID have funded 45 students, with a further 45 students funded by their local hospital. As part of the academic Programme all students must identify and implement one quality improvement initiative in their organisation and share learning with their colleagues.

Note : both the Endoscope and Surgical Instrument Minor awards will continue to run indefinitely, with the next intake of students planned for Sept 2017. Local hospital funding must be requested.

The HSE recognise this Programme as a baseline academic qualification with defined learning outcomes and competencies for all those involved in the decontamination of reusable invasive medical devices.

Education Days

Action: The Decontamination Safety Programme supports the invaluable medical device training days provided by our Industry Partners. The QID share learning and provide insight and support to frontline personnel who are driving quality improvement in decontamination practice. In 2016 the National Decontamination Quality Lead presented at manufacturer training days, HSE and IT Tallaght education days and conferences, meeting over 700 personnel who are involved in the management or frontline decontamination of medical devices.

Partner

- work with people across the system - patients, clinicians, managers, national bodies to inform and align improvement

The QID Decontamination Safety Programme is aligned to the Healthcare Associated Infection/AMR Safety Programme.

The National Decontamination Advisory Group (NDAG)

The NDAG and QID Decontamination Safety Programme partners include, stakeholders who participate in the decontamination standards review group, the Irish Decontamination Institute (IDI) , Institute of Healthcare and Estates Managers(IHEEM), Institute of Decontamination Science (IDSc) UK , Institute of Technology Tallaght, Industry Partners, Healthcare Products Regulatory Authority(HPRA), National Standards Authority of Ireland (NSAI), Irish Society of Endoscopy Nurses, Dental Inspectorate, Joint Advisory Group on GI Endoscopy (JAG) etc.

Collaboration

The collaboration between the QID, Medical Device Equipment Management Committee, Fingerprint Medical, the National Tracking and Trace Implementation Group and stakeholders has supported the national implementation of a unique electronic system to track the decontamination of RIMD and trace them to the patient on whom they are used. Project implementation commenced 2011, full roll out is expected by Dec 2017- Work in progress on schedule.

National Procurement

A National Procurement Portfolio for Decontamination equipment has been developed. A National Framework for procurement of equipment relating to decontamination of endoscopes has been launched with detailed specifications for each category of equipment, meeting EN and HSE Standards. Further specification development is underway. A total of € 1.3 million was allocated for the replacement of decontamination equipment, including 3 x Endoscope Washer Disinfectors, 6x Autoclaves, 2 xSSD Washer Disinfectors, 2x SSD Drying Cabinets and 2 xRO Plants.

Demonstrate

- Share new ideas , test and develop ideas in practice and support the spread of sustainable solutions.

ISO 13485:2016

International Standards Organisation Standard 13485:2016 is the standard used to indicate excellence in medical device manufacturing and decontamination. In 2009 the National Decontamination Lead, who was then the Lead for the Children’s University Hospital Temple Street, implemented and became the first publicly funded Central Decontamination Unit in Ireland to achieve external certification by a Notified Body, to both ISO 13485 and to the Medical Device Directive.

Action: The National Decontamination Lead with kind agreement from the CEO of Temple Street Hospital, Ms Mona Baker, has taken the quality system and translated the system into the context of the Decontamination Unit in Our Lady’s Hospital Navan. This test of change has taken 9 months of hard work and commitment by the Decontamination Unit Manager Ms. Dympna Fegan with Governance and Leadership Team support from the Group Hospital CEO and Navan Hospital GM. Final audit by the National Standards Authority of Ireland in Navan Hospital Decontamination Unit is planned Feb 2016.

Action : The proposal by the QID Decontamination Safety Programme is to develop a tool box to spread and support the implementation of sustainable quality management systems in decontamination units in Ireland taking into consideration the learning from each test site. .This is a unique project and is the first of its kind in healthcare in Europe.

HSE Quality Improvement Division -Framework for Quality Improvement

Across the Irish healthcare system there is strong commitment to improving the quality of care. Improving quality is everybody’s business and to achieve real and sustained improvements we must find new and better ways to achieve the outcomes that we want. The Decontamination Safety Programme will use the 6 drivers for sustainable quality improvement to support implementation of best decontamination practice. These drivers include Governance for Quality, Leadership for Quality, Staff Engagement, Quality Improvement Methods and Measurement for Improvement

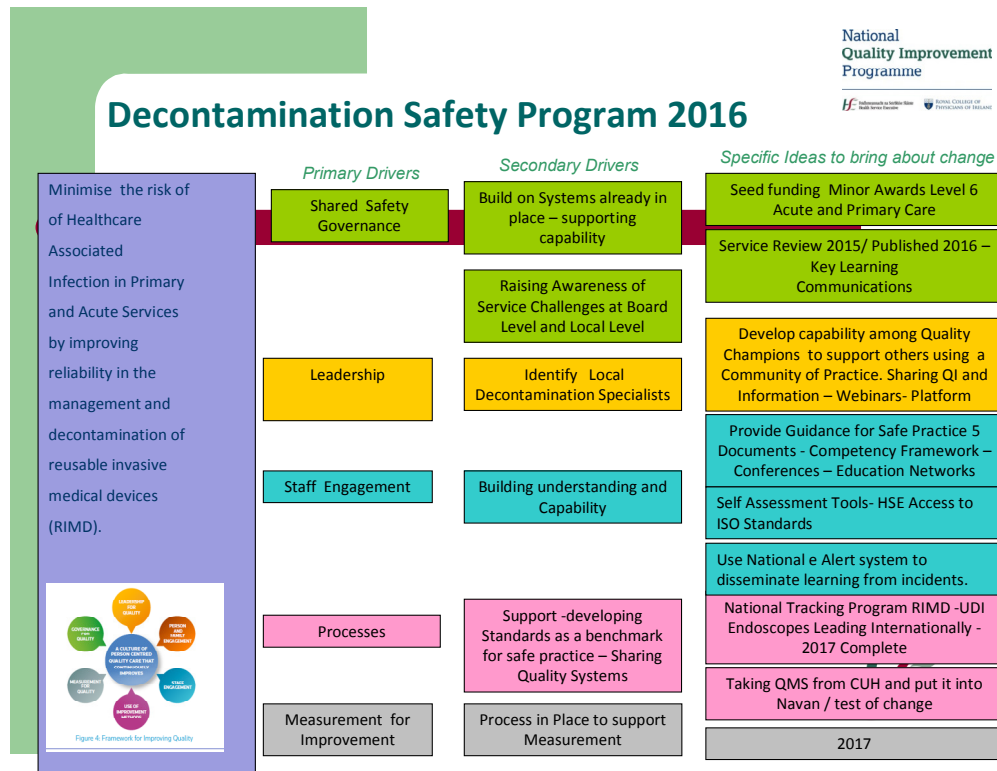


Figure 4: Framework for Improving Quality

Summary

All supporting documents cited in this end of year report are available for review on the Quality Improvement Division’s Webpage

><http://www.hse.ie/eng/about/Who/qualityandpatientsafety/Medical-Devices/decontamination/><



National Decontamination Advisory Group Project Plan for 2017

Review Endoscopy Standards and Develop SAT	Q1-Q4 2017	Acute Services
Develop Minor Award for Primary Care	Q3- 2017	Primary Care
Develop and Test ISO Tool Box	Q3 -2017	Acute Services
Network Event Endoscopy Decontamination Leads	Q1-Q2 2017	Acute Services
Develop a Community of Practice with National Tracking System	Q1-Q2 2017	Acute Services