

### **7.03 NIMIS Project connecting Connolly Hospital Respiratory Diagnostics services to the new Dublin North West Community Integrated Care Hub diagnostics services in CHO9**

<sup>1,2</sup>Louise Brien, <sup>1,2</sup>Abirami Subramaniam, <sup>3</sup>Gary Monk, <sup>1,2</sup>Aisling McGowan

<sup>1</sup> Connolly Hospital Blanchardstown, Dublin 15, Ireland; <sup>2</sup> Dublin North West Integrated Care Centre CHO9, Dublin, Ireland; <sup>3</sup>National NIMIS team, Ireland

**Background:** National Integrated Medical Imaging System (NIMIS) enables the acquisition, storage, retrieval, and sharing of images and test reports. Pulmonary function testing (PFT) once limited to acute hospital settings is now available in the community. It is critically important to standardise IT and reporting systems across linked sites.

**Methods:** Respiratory physiologists worked for 11 months with the local and national NIMIS teams, local and community HSE IT, and PFT equipment supplier on this integration project. We used our expertise in this area to extend NIMIS by connecting both diagnostic sites via the HSE network to NIMIS.

**Results:** Establishing a uniform diagnostic pathway/workflow using NIMIS across both sites ensures equal benefits for community patients, staff and referring physicians (Consultants and General Practitioners).

The successful implementation of NIMIS in the Community Integrated Care hub and Connolly Hospital will revolutionise the way physiology services are delivered, improving patient care, efficiency, and collaboration among healthcare professionals

**Conclusion:** The integration of NIMIS across sites facilitates; remote access capabilities, operational efficiency improvements, and enhanced collaboration will transform lung function services in these settings. Patients benefit from faster diagnosis, better coordination of care, and improved outcomes. Healthcare professionals enjoy streamlined workflows, increased productivity, and enhanced collaboration.

**Disclosures:** None

**Conflict of Interest:** *The authors declare that they have no conflict of interest.*

**Corresponding Author:** Louise Brien