

Intelligent Business Services - Admin - Clinical Coding

Problem

- UHN's clinical coding teams are burdened with time-intensive but simple tasks.
- On average, one clinical coder handles 25 episodes/day with a total volume of 700-750 episodes/month just for endoscopy procedures

Solution

Identify HVLC areas

- ✓ Identify high-volume, low-complexity (HVLC) clinical coding procedures.
- ✓ Leverage a database of 750,000 previously coded procedures to train the automation, combining clinical notes with logic to generate accurate coding.

Implementation Plan

- ✓ Automate the following ward areas:
 - Phase 1: Endoscopy (KGH)
 - Phase 2: CSSTU, GTA & PCU (KGH)
 - Phase 3: Danetre & Endoscopy (NGH)

Long-term Vision

- ✓ Transition coders to validators, ensuring the quality and accuracy of automated coding, further optimising the coding process.

Expected Benefit

- Automation covers up to 4.2 FTE Band 5 workloads, resulting in cost savings of £471,238 spread across 5 years.
- Driving improvements in the quality and speed of HVLC coded data freeing resources to focus on coding high complexity activity

Mapping & Analysis

1 month

Automate: Phase 1, 2 and 3

4 months

Iterative refinement of deployed automation

5 months

NHS
Kettering General Hospital
NHS Foundation Trust

NHS
Northampton
General Hospital
NHS Trust