Digital and Data in COPD Community Respiratory team MHSCP

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Current learning

Tableau dashboard

Design and implementation into team : - Digital analysts/ Mid digital lead/ Lead clinician CRT, Service Manager CRT

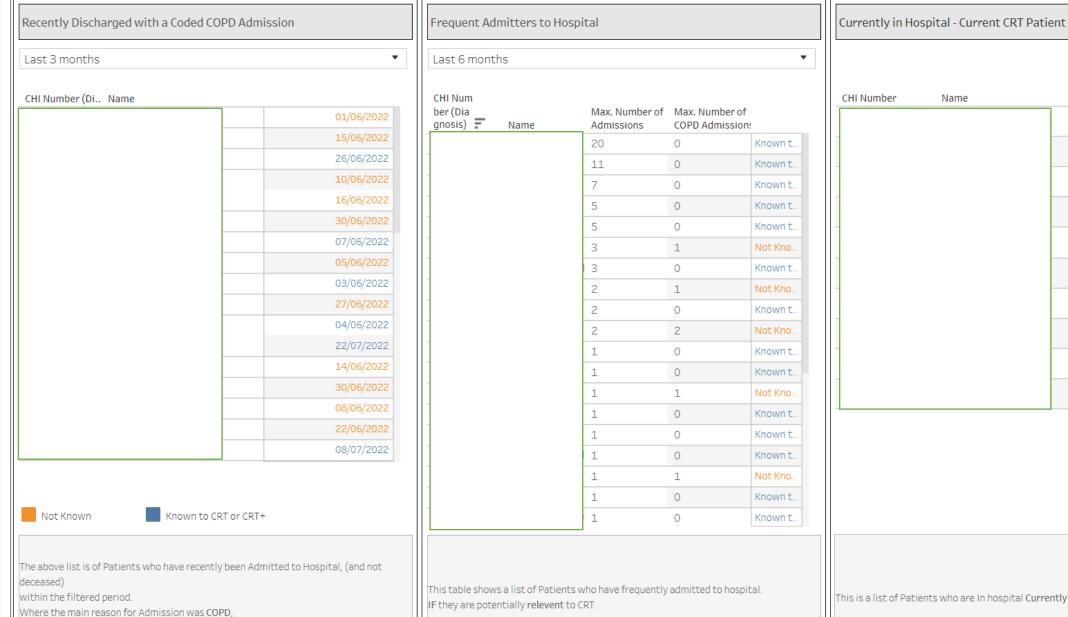
Clinical applications? What does it do for us?

- understand cohort better
- inreach easily to hospital patients
- targeted work to patients who admit (case finding)
- understanding service provision (designed trak coding system/ facilitates service improvements)

Community Respiratory Team - Monitoring

These patients are also not already known to CRT





This meaning, if they are known to CRT already. or if they are Not known however have

Respiratory Medicine Respiratory Medicine Medicine of the Elderly Respiratory Medicine Respiratory Medicine Respiratory Medicine Respiratory Medicine Medicine of the Elderly Respiratory Medicine

Cardiology

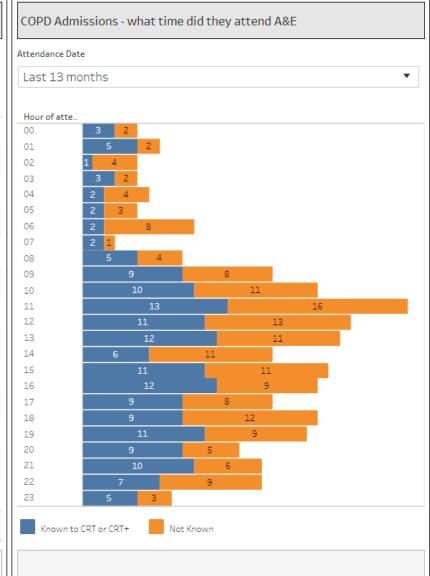
This is a list of Patients who are In hospital Currently who are Known to CRT,

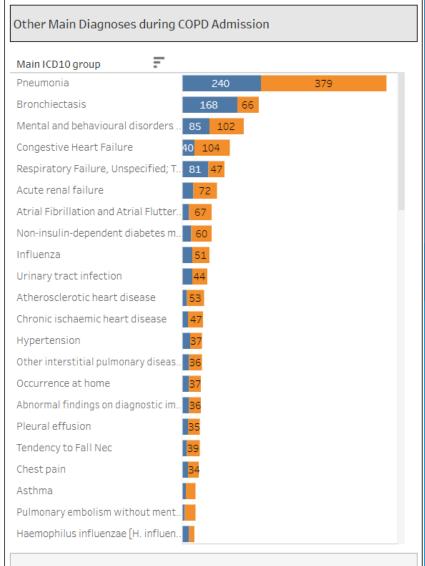
The patients current ward has been included to help identify if they may be a potential

Community Respiratory Team - Insight



Admissions Avoidance Contacts - How many Admitted within 48 hours		
	Number of Admission avoidance contacts	Admitted after contact
Aug 21	8	0
Sep 21	17	0
Oct 21	5	1
Nov 21	11	1
Dec 21	28	0
Jan 22	11	0
Feb 22	8	0
Mar 22	15	0
Apr 22	29	0
May 22	17	0
Jun 22	16	1
Jul 22	17	0
Aug 22	11	0
Grand Total	193	3





This table shows the number of Admission Avoidance contacts performed by the CRT team.

This Chart shows A&E attendances that linked to a COPD admission to hospital.

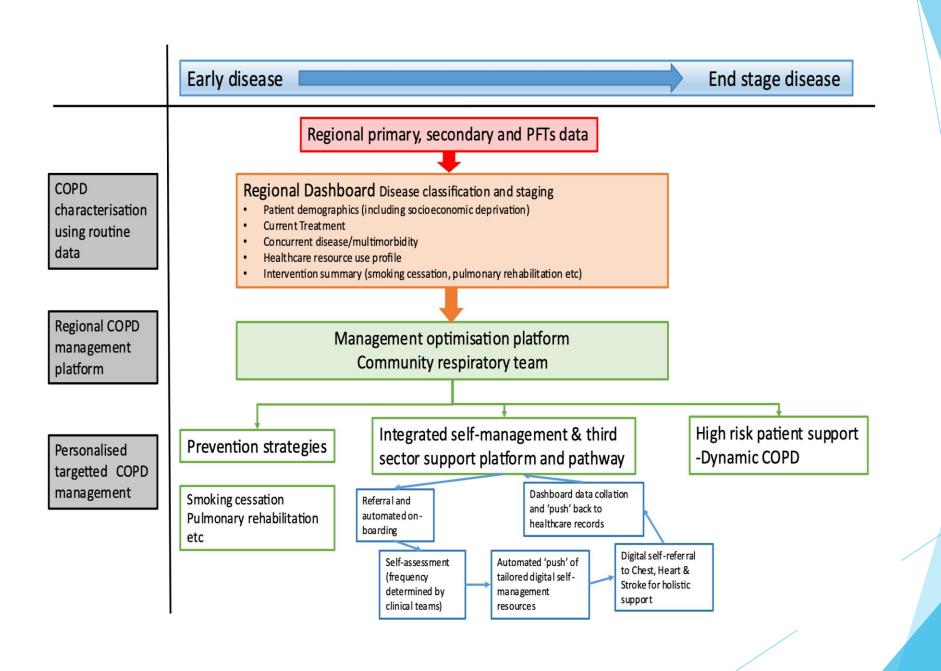
This chart shows the other Main reasons that were diagnosed within a COPD Admission

Chief Scientist Office Innovation Fellowship

- Phd starting Sept 2023 funded by CSO (part time 5 years).
- Title :- Utilising Routine Data and Digitally-Enabled Care to provide regional identification, triage, and management optimisation for COPD

Aims / objectives

- To develop approaches to better interface the exchange of information and data between Primary and Secondary Care Teams, to enable early detection of COPD, early identification of high-risk patients, and better prescribing and optimisation of care.
- To co-design digitally-enabled innovations with patients, service leads, clinicians, and digital services through workshops
- To work with industry partners to develop an integrated self-management platform that enables co-management by NHS clinicians and the national charity supporting COPD (Chest, Heart & Stroke Scotland; CHSS)
- ► To pilot and evaluate novel digital services.
- To develop an early business case and evidence to support review by the ANIA team within CfSD, for procurement of national COPD solutions that build incrementally on ongoing work in high risk COPD groups



Dynamic Scot (DS) - with GGC & West Innovation Hub.

Midlothian Community Respiratory team project (2 years)
Implementation and review of DS

Patient Webapp/ Clinician portal

- Records Patient reported outcomes
- Allows patient messaging direct to team
- Patient access to self management information and training videos/ teaching materials (GGC webpage).
- Clinician portal

Quality Improvement approach in MCRT – Plan, Do, Study, Act (PDSA) cycles - provides reflective, task-orientated process of review & allows adaptation and change depending on learning.

DYNAMIC SCOT – LENUS

PDSA cycle 1

- Development and review of process maps and Standard Operating Procedures
- Understanding the system and balancing priorities
- Training clinical staff
- Navigating the digital competency and willingness of staff and patients
- Practical and clinical application of system within team
- Capturing learning

DYNAMIC SCOT – LENUS

PDSA cyle 2

- Increased staff and patient onboarding
- Monitoring and analysis of usage
- Staff and patient user experiences
- Development work undertaken in NHS Lothian Tableau Dashboard for MCRT
- Continued review of utilising clinical data
- Identification of system improvements