Community COPD Virtual Clinic with Assisted Technology (COVIRT AT)

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Nottingham University Hospit NHS Trust NHS

Nottingham City **Clinical Commissioning Group**

Background

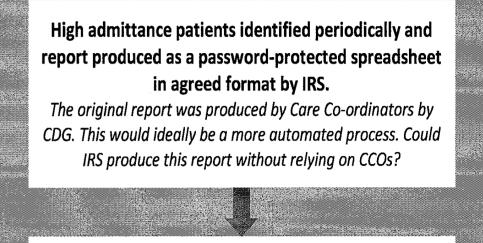
>Hospital admission account for the most expenditure towards COPD care provision.

 \triangleright A group of patients with frequent hospital admissions would be monitored by telehealth and followed up in community using Virtual Clinic to minimise hospital admissions.

We identified 18 patients so far. Most patients had an admission every 4-6 weeks.

Results

Most patients had multiple comorbidities and were not seen in outpatient clinics



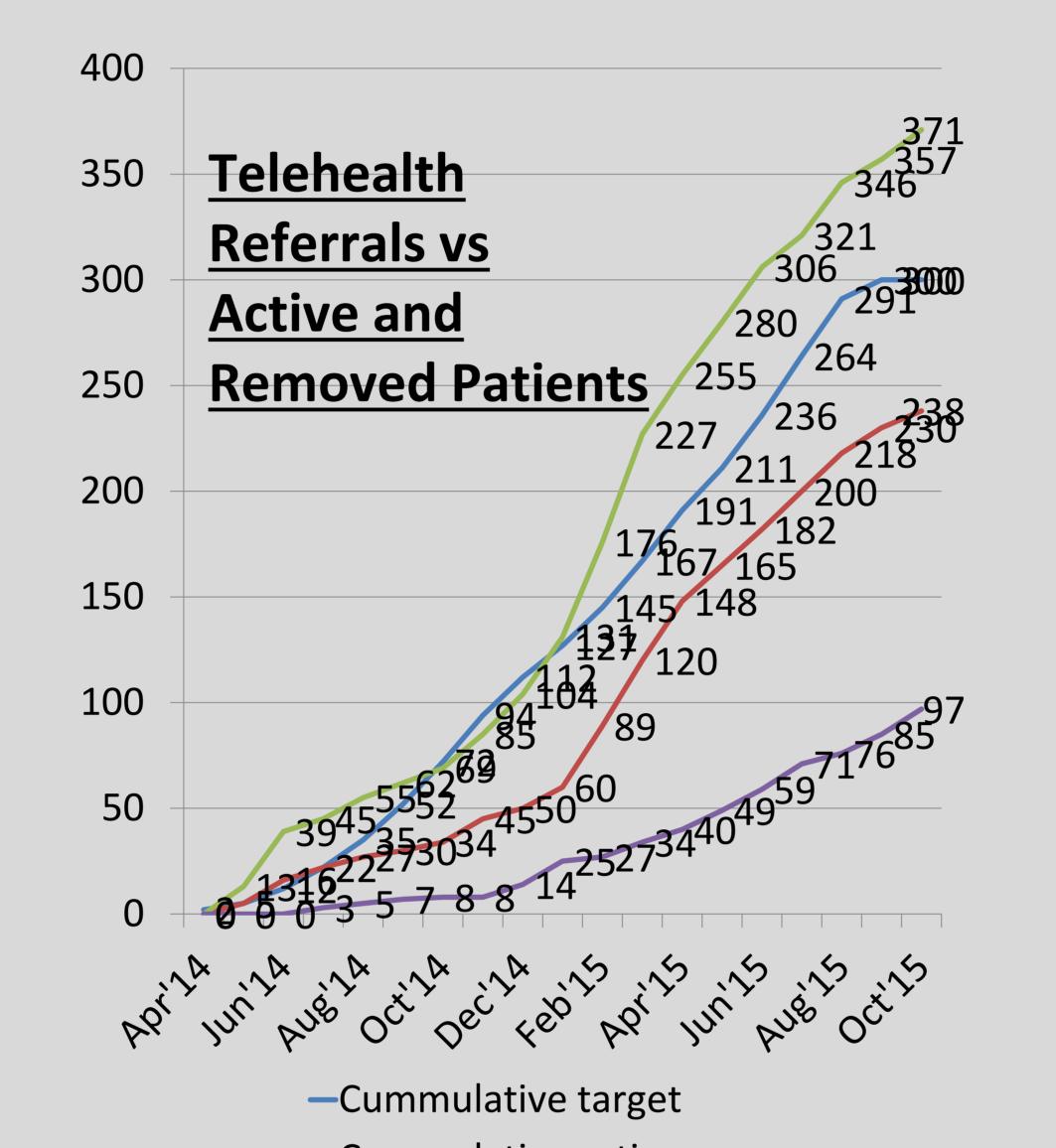
Report sent to Milind Sovani securely from NHS.net email to NHS.net email from IRS to Milind.

Milind reviews the patients on the list to decide whether they would be suitable for inclusion or not

Objectives

To assess the reduction in hospital admission over a year using Virtual Clinic and Assisted Technology for patients with frequent admissions due to COPD

They were known to IRS and/or Matrons



	ompletes the spreadsheet to indi . sending it back to IRS Team secu	
Patient deemed suitable	Pati	ient deemed unsuitable
Does patient already use Telehealth? Yes	No	Further review for AT requirements could be undertaken here (i.e. would patient benefit from care Alarm to ease
Appointment booked for Milind to see patient and explain changes to their Telehealth monitoring.	Appointment booked for Milind to see patient and explain Telehealth process	anxiety?)
Nottingham City Homes notified that patient has consented and question set and read frequency changed to Virtual Clinic question set.	Nottingham City Homes notified that patient has consented and appointment can be made to install equipment.	
NCH confirm	Patient active in COPD Vir	rtual Clinic



- -Cummulative active
- -Cummulative referrals
- -Cummulative removals

Methods

- Risk Assessment for the project
- Information Governancefor Vidyo software use-NUH IG working with City Care
- We identified patients with 5 or more admissions in the last year due to COPD
- \succ They will be reviewed at

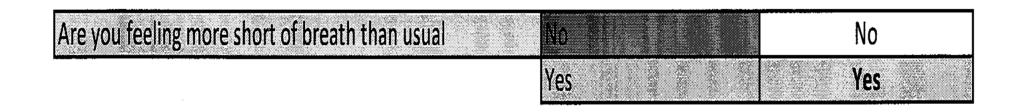
Nottingham COPD Virtual Clinic Telehealth Questions &

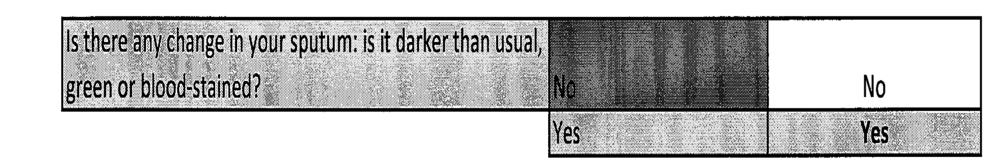
<u>Alerts</u>

Question

Choice of answer / colour code clinical graph Alert (Yellow or Red)

Is your cough worse than usual?	No
	Yes



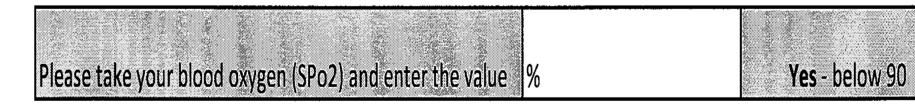


► Qualitative Analysis-patient interviews to identify barriers Data on admission prevention >Assessing patient experience for Virtual Clinic

Discussion and Conclusion \blacktriangleright There is a group of patients with very high number of

home (either in person or virtually)

Patients will complete a questionnaire and this will be electronically reported to Nottingham City Homes call centre. The data will be forwarded to community services as per protocol Interventions



Clinician can choose to add other areas of vital sign monitoring (i.e. BP) with parameters set to generate a vellow alert if broken.

1 or 2 yellow alerts are shown as yellow and are dealt with by NCH initially

3 or more yellow alerts generates a Red alert to be escalated to IRS

hospital admissions >Novel approach to combine Telehealth and Virtual Clinic Setting it up has not been easy \succ Has promise to free up hospital beds but Need more data to confirm ➢ Reference: Pedone and Lelli. Pneumonol Alergol Pol

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