

Improving the quality of heart failure management in primary care M. Spence², L. Burey², A H. Mcbride¹, K. Wild³, C. Deaton¹

Purpose:

Heart Failure (HF) affects around 900,000 people with 60,000 new cases annually and accounts for 2% of NHS inpatient days and 5% of emergency admissions to hospital¹. The purpose of this project is to improve the detection, management and care of heart failure within primary care in a large city (Manchester) in the UK.

Aims:

The overarching aim of the project is to improve the quality of service and care for people with heart failure; the specific aims include:

(a) Ensure patient care is consistent with evidence based guidelines from NICE and the ESC

(b) Improve patient quality of life

(c) Improve the knowledge and skills of heath care professionals in relation to HF

(d) Reduce the number of HF emergency admissions

(e) Improve data quality and standardisation of documentation

Objectives:

The objectives of the *'improving the quality of heart failure management in primary care'* project include:

(a) Ensure that 100% of patients on the heart failure register are appropriately diagnosed

(b) Ensure that all project practices correctly code HF patients & implement a standardised IT template

(c) Ensure that 80% of patients are placed on appropriate medical therapy (with particular reference to the optimal dose of beta blocker and ACEI therapy)

(d) To provide HF education and a continuing rolling programme of education to all project practices

Methods:



Plan-Do-Study-Act (PDSA) cycles³ the *'improving* combining clinical audit, specialist heart failure clinical coding systems.

An initial pilot with six NHS Manchester GP practices, involved with a HF local enhanced service (LES) aided the development of a number of clinical audit tools:

• GM-HFIT (verification)

• GM-HFIT (case finding)



Refinements and developments were made through a continuous process of clinical reasoning and dialogue with specialist heart failure clinicians and other NHS professionals

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Collaboration for Leadership in Applied Health Research and Care (CLAHRC) for Greater Manchester

The HF management performance (traffic light status) is based on multiple evidentially led key performance indicators; which are in line with current guidance from **NICE** and the **ESC**. We have found there to be significant variation in the quality of care provided by GP practices

Figure 2. Traffic Light Scores



GM-HFIT (case finding):

A total of **19 discrete searches** based on medication, echocardiography and associated diseases established 1962 patients to assess.

The GM CLAHRC team assessed these patients via clinical records and found:

- 237 patients had heart failure and needed to be added to the disease register
- **123 patients** needed to be reviewed by their GP to assess heart failure status
- 43 patients requiring referral for an echocardiogram
- 46 patients needed their echocardiogram report requesting from secondary care
- 12 patients required an assessment by a specialist clinician

Conclusions:

Through a combination of *'how to'* tools, education and the facilitative approach of the GM CLAHRCs Knowledge Transfer Associate and secondees; GP practices are supported to improve their HF management processes. The 'improving the quality of heart failure management in primary care' project has been an evolutionary and continuous process, which is now being spread to **30 GP practices** with NHS Bury

"The GM CLAHRC Heart Failure Programme provides practices with an audit tool that stimulates improvement in management and is tailored to the needs of the practice. It is essential for any Clinical Commissioning Group which is serious about improving care, reducing admissions and raising quality of life for those at the end of their life"



Dr Ivan Benett

(GP with Special Interest in Cardiology and Clinical Director of Central Manchester Shadow Clinical Commissioning Board)