



Audit data	<20%	20-39%	40-59%	60-79%	
Diagnosis confirmed using echocardiogram	0	1	2	3	
Aetiology investigated / confirmed	0	1	2	3	
Functional capacity assessed/ severity using NYHA	0	1	2	3	
Heart failure review	0	1	2	3	
Weight done at review	0	1	2	3	
Ankle oedema checked	0	1	2	3	
BP recorded	0	1	2	3	
Pulse rate checked	0	1	2	3	
Pulse rhythm checked	0	1	2	3	
Has an ECG been performed	0	1	2	3	
ACE use or contraindicated in LVSD patients	0	1	2	3	
Treated to target dose of ACE-I or ARB*	0	1	2	3	
Beta blocker use or contraindicated in LVSD patients	0	1	2	3	
Treated to target dose of BB*	0	1	2	3	
Screening for depression	0	1	2	3	
Smoking status checked	0	1	2	3	
Alcohol intake checked	0	1	2	3	
Nutritional information given	0	1	2	3	
Flu vaccine given	0	0.5	1	1.5	
Pneumococcal vaccine given	0	0.5	1	1.5	
Self care/ education material given	0	1	2	3	
Total Score					

The NIHR CLAHRC for Greater Manchester is a collaboration of Greater MAnchester and is part of the National Institute for Health Research W: http://clahrc-gm.nihr.ac.uk E: clahrc@srft.nhs.uk

CAN A FACILITATED MODEL IMPROVE EVIDENCE BASED PRACTICE FOR HEART FAILURE IN PRIMARY CARE?

RESULTS: Skills Audit:

• At baseline, patients on the HF register had a mean age of 73 (+14) years, 45% were female, and 80% had 2 or more comorbidities

• The most common comorbidities were hypertension (64%), ischaemic heart disease (46%), atria fibrillation (36%), and diabetes (32%)

• Only 24% were concurrently or recently (within 12 months) seen in specialist services

• At baseline 60% of 303 patients were appropriately on a HF register, 19% were inappropriate, and 209 needed further investigation.

• A total of 1303 patients were found for definite (n = 173) or possible inclusion to the register.

• At re-audit, inappropriate patients on the HF register decreased by 85% Characteristics of HF patients did not change between audits: mean age 73, 55-58% were male, and mos

had multiple co-morbidities • Significant improvement to HF patient care was seen at re-audit (see Table 2), and all PCPs improved

their overall scores • Changes to practice and service re-design were ongoing at the time of re-audit, and patient review

increased by 217%. • There were also improvements in collaboration with specialist HF services

Traffic Light Scores

Figure 3 shows the baseline traffic light scores and the re-audit traffic light scores by practice. All practices increased their traffic light score at re-audit:

• The mean Traffic Light score increase was 10 points (a 24% improvement)

• The highest increase being **91.5%** and the lowest **4.1%**

• 4 practices moved from an Amber Traffic Light status to Green (providing very high quality of care)

• 1 practice improved their score but still had a Traffic Light status of Green (providing very high quality of

• 5 practices improved their score but still had a Traffic Light status of Amber (providing good care, but need to improve in certain areas)

Increase in Heart Failure Prevalence

Figure 4 shows the percentage increase in HF prevalence for the practices involved in the project:

- There was an overall increase in HF prevalence from 0.55 to 0.67
- Locality A achieved an increase in HF prevalence from 0.56% to 0.84% (a 50% increase) • Locality B achieved an increase in prevalence from 0.46% to 0.48% (a 5% increase)

The GM CLAHRC team were able to build stronger relationships and had more opportunity to act as facilitators to guide the improvement work in Locality A. It is suggested that this is reflected in the higher increase in prevalence in this locality.

CONCLUSIONS:

The GM-HFIT facilitated model was effective in improving evidence-based management of HF in PCPs, and supporting communication between PCPs and specialists. Support was individualised by the HFSN and KTA, who also served as bridges to other services.

"The GM-HFIT project was a very useful exercise; it has made the clinical team much more aware of heart failure, in general, and the needs of the patient. Very interesting feedback was given by the GM CLAHRC project team, in an easy and understandable format." **Practice Manager**

NHS National Institute for Health Research

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

	Audit	Re-audit	P value
Traffic Light score (n = 10 PCPs)	42 <u>+</u> 12	52 <u>+</u> 9	.003
HF confirmed by echo	82%	93%	<.001
Aetiology confirmed	61%	81%	<.001
LVSD	55%	72.5%	<.001
If LVSD, on ACEI or contraindication noted.	90%	89%	.213
Up-titrating or target dose	58%	65%	.063
If LVSD, on BB or contraindication noted.	75.5%	83%	.001
Up-titrating or target dose	40%	47.5%	<.001
Self-care education	13%	22%	003

"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" **General Practitioner**