Heart failure Clinic data request

# Scope of task:

The following is a request for information to be provided from the Heart Failure Clinic Database

* An initial report is requested by **May 29th** in readiness for a major strategic partnership & referrer engagement event – the National Heart Foundation Gala Ball (2/6/18).
* Subsequent reports are requested on a 3 monthly basis at the end of each quarter commencing **September 30th.**

Data is required to be provided for:

1. The total Heart Failure Management Clinic population (Nation-wide)
2. Individual clinics.

# Purpose:

1. To enable tracking of:
   1. Clinic development – recruitment progress and total numbers
   2. Key patient characteristics and trends
   3. Quality of care parameters
   4. Clinical outcomes
2. To enable informed discussions with:
   1. Internal staff to facilitate recruitment and clinic development
   2. External parties including referrers, research entities and industry regarding the benefits and achievements of the Heart Failure Management Clinics.
3. To establish a working knowledge of the clinic data which in turn will:
   1. Identify areas for process and care improvement
   2. Facilitate and stimulate the design of research questions and projects

# Clinic development data

1. New referrals (n, %)
   1. Referrer
      1. Internal doctor (Genesis Care)
      2. External doctor
   2. Referral source
      1. Ambulatory
      2. Hospital
   3. Referral type
      1. De novo
      2. Chronic
2. Total patients active in clinic (n)
3. Total patients seen in clinic (n)
4. Total Follow up (post visit 1) (i.e visit 1 = time 0) – median, IQR (days) - Censored at death or discharge from clinic

# Key patient characteristics and trends data

Notes:

* Baseline patient characteristics (at visit 1) unless stated
* Data applies to entire patient cohort.

1. Age (median, IQR, range)
2. Gender (male/female, n, %)
3. EQ-5D
   1. Health rating (0-100) – median, IQR
   2. EQ-5D-5L (score out of 25) – median, IQR
4. Age-adjusted Charlson Comorbidity Index (age-CCI) (median, IQR)
5. NYHA class (n, %)
   1. I / II / III / IV / Unable to assess
6. 6MWT
   1. (n, %) of patients with ≥1 x 6MWT
   2. Distance in metres (median, IQR)
   3. Distance in metres (median, IQR) stratified by NYHA class ( I,II,III,IV)
7. Lowest LVEF
   1. Quartiles
   2. LVEF ≤ 35% (n, % of total)
   3. LVEF ≤ 40% (n, % total)
   4. LVEF 40-49% (n, % total)
   5. LVEF ≥ 50% ( n, % total)
8. Heart Failure Type ***(from most recent clinic visit – last available diagnosis)*** (n, %)
   1. HFREF
   2. HFPEF
   3. HFREF (recovered)
   4. Right HF
   5. Pending
   6. Nil
9. Cause Type ***(from most recent clinic visit – last available diagnosis)*** (n, %)
   1. Non-Ischaemic
   2. Ischaemic
   3. Both Non-Ischaemic and Ischaemic
   4. Pending

# Quality of care parameters data

Notes:

* Provide separate data (n, %) for the following Heart Failure Types, unless stated
  + HFREF
  + HFPEF
  + HFREF (recovered)
  + Right HF
* Two time points for each data point
  + At visit 1
  + At last clinic visit (in patients with >1 visit only)

1. Management – Pharmacological (n, %)
   1. Beta-blocker
   2. ACE inhibitors
   3. ARNI
   4. ARB
   5. Any ACEI, ARB or ARNI
   6. Diuretics
      * Loop
      * Other
      * MRA
   7. Maximal tolerated BB (= yes)at 6 and 12 months post first visit ***(HFREF only)***
   8. Maximal tolerated ACEI/ARB/ARNI (= yes) at 6 and 12 months post first visit ***(HFREF only)***
2. Management – Devices (n, %) – (***for HFREF only)***
   1. CRT-P (CRT pacemaker)
   2. CRT-D
   3. ICD
3. Management - Non-pharmacological (n, %)
   1. Fluid restriction
   2. Daily weights
   3. Salt restriction
   4. Obesity weight management
   5. Exercise advice
   6. Smoking cessation advice
   7. Alcohol reduction advice
   8. Cardiac rehabilitation (yes, at least once)
   9. Anticoagulation therapy education

# Clinical Outcomes

Notes:

* Time 0 = visit 1
* Results for total clinic population (all sites combined)

1. ***Heart failure hospitalisations***
   1. Patients with ≥1 heart failure hospitalisation at: (n, %)
      1. 30 days
      2. 6 months
      3. 1 year
      4. Total follow up
   2. Distribution of heart failure admissions at 1 year (post visit 1) (n, %)
      1. 0 admission (none)
      2. 1 admission
      3. 2 admissions
      4. ≥ 3 admissions
   3. Total number (n) of heart failure hospitalisations
   4. Heart failure hospitalisations per 100 patients per year of follow up
2. ***All-cause mortality*** 
   1. 30 days
   2. 6 months
   3. 1 year
   4. Total follow up