

# Heart failure indicators – POLAR Walkthroughs

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**phn**  
EASTERN MELBOURNE

An Australian Government Initiative



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# Heart failure prevalence and subtypes indicators – EMPHN level data

Number of RACGP-active patients with an active diagnosis of 'heart failure'

n = 15,916

~1.0% of EMPHN population\*

\* EMPHN population = 1.62m

## POLAR Walkthrough

Number of Active/RACGP Active patients with an active diagnosis of heart failure

## POLAR Walkthrough

Number of Active/RACGP Active patients with a classification of heart failure recorded as reduced ejection fraction (HFrEF), mildly reduced ejection fraction (HFmrEF) or preserved ejection fraction (HFpEF)

Proportion of RACGP-active patients with HF who have classification of heart failure recorded: HFrEF, HFmrEF or HFpEF

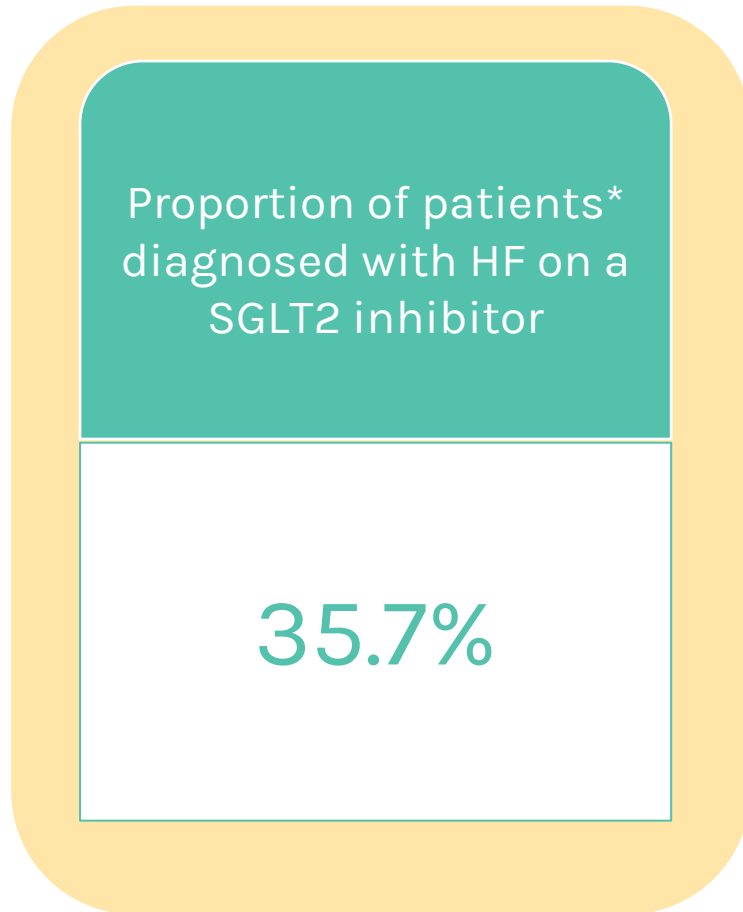
HFrEF = 11.7%

HFmrEF = 0.1%

HFpEF = 4.3%

Total = 16.2%

# Guideline-directed medical therapy (GDMT) indicators – EMPHN level data



## POLAR Walkthrough

Number of Active/RACGP Active patients with an active diagnosis of heart failure (ever) on a sodium-glucose co-transporter 2 (SGLT2) inhibitor

# Multidisciplinary team management indicators – EMPHN level data

Proportion of patients\* diagnosed with HF who have a GPCCMP developed or reviewed in last 12 months

47.5%

## POLAR Walkthrough

Number of Active/RACGP Active patients with an active diagnosis of heart failure (ever) who have an active GP Chronic Condition Management Plan (GPCCMP) or Review in the last 12 months

## POLAR Walkthrough

Number of Active/RACGP Active patients with an active diagnosis of heart failure who have an active Domiciliary Medication Management Review (DMMR) or Residential Medication Management Review (RMMR) in the last 12 months

Proportion of patients\* diagnosed with HF who have been referred for a DMMR / RMMR in last 12 months

DMMR = 4.2%  
RMMR = 2.7%

# POLAR, data definitions, caveats and limitations

POLAR is a primary care data platform used by ~90% of EMPHN general practices that securely extracts and aggregates de-identified data from participating general practice clinical systems.

POLAR extracts data from structured fields (e.g. diagnoses, prescribed medications, measurements) and NOT free-text notes

Differences in how practices code diagnoses, medications etc. can affect completeness and comparability of the data.

POLAR insights are intended to provide system-level or population-level context and support reflection and quality improvement.

## RACGP active patient

- Patient who has visited a specific general practice at least three times in the previous two years

## Diagnosis of HF (diagnosis field)

- '*heart failure*' string
- '*cardiac failure*' string
- '*ventricular failure*' string
- '*myocardial failure*' string
- '*cardiomyopathy*' string
- '*cor pulmonale*' string
- Abbreviations (e.g. HF, CCF, CHF, HFrEF, HFmrEF, HFpEF)

## Diagnosis of HF subtypes based on SNOMED terms

- HFrEF = heart failure with reduced ejection fraction
- HFmrEF = heart failure with mid range ejection fraction
- HFpEF = heart failure with normal ejection fraction

## HF-specific beta blockers

- Bisoprolol
- Carvedilol
- Metoprolol succinate CR
- Nebivolol

## ACE inhibitors, ARBs and ARNI (including combination products)

- Enalapril
- Lisinopril
- Perindopril arginine / perindopril erbumine
- Ramipril
- Trandolapril
- Candesartan
- Valsartan
- Sacubitril + valsartan

## MRA

- Eplerenone
- Spironolactone

## SGLT2 inhibitors (including combination products)

- Dapagliflozin
- Empagliflozin

## GPCCMP and DMMR / RMMR

- GP management plans (229, 721, 92024, 92055)
- Team care arrangements (230, 723, 92025, 92056)
- Reviews (233, 732, 92028, 92059)
- Prepare a GPCCMP - face to face (965, 392)
- Prepare a GPCCMP - video (92029, 92060)
- Review a GPCCMP - face to face (967, 393)
- Review a GPCCMP - video (92030, 92061)
- DMMRs (245, 900); RMMRs (249, 903)

## Vaccinations

- Data only captures vaccinations administered in general practices and recorded in a patient's immunisation record
- COVID-19 vaccines include the Pfizer and the Moderna vaccines (Cormirnaty® and Spikevax®)