

LUMOS

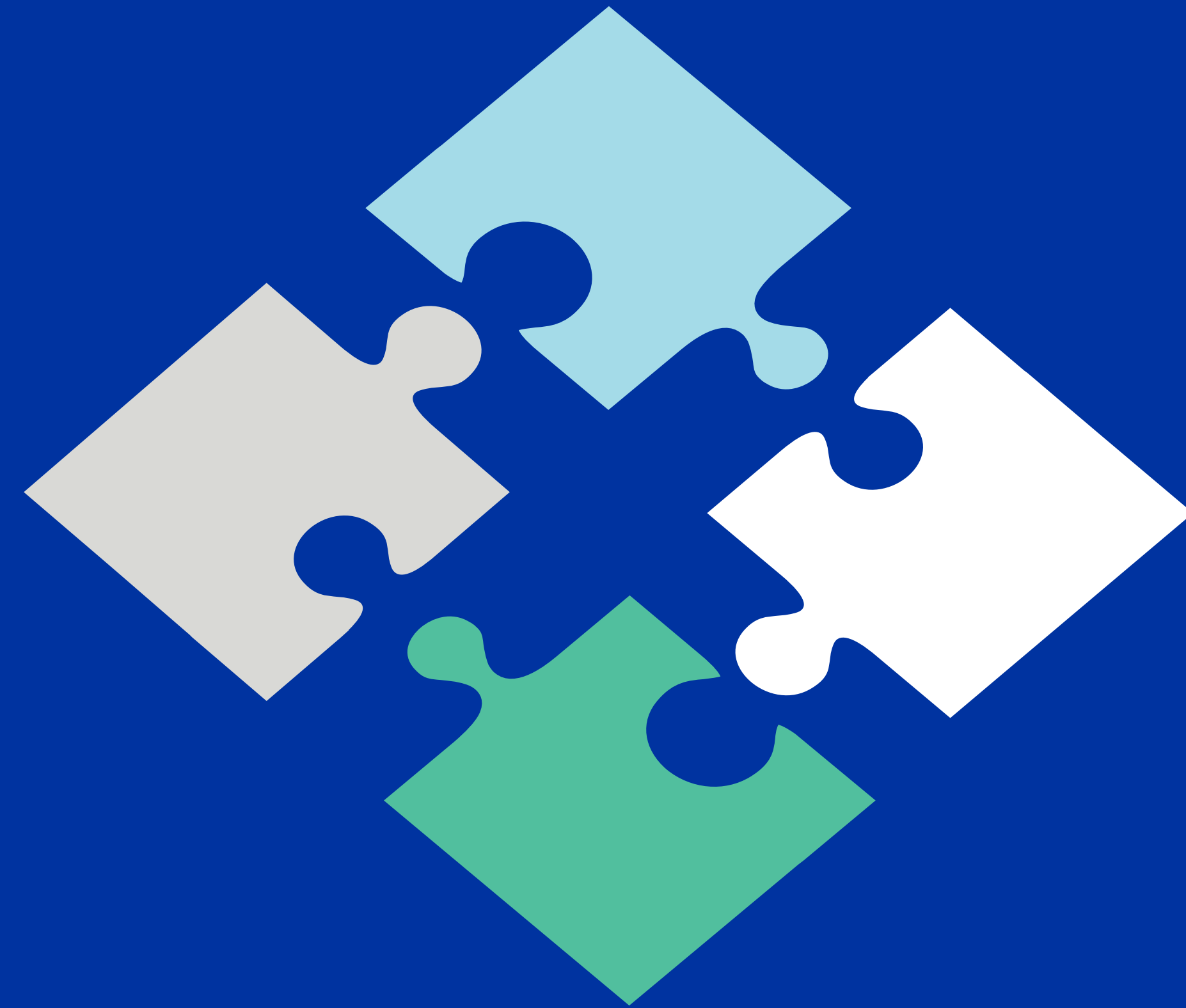
- UNDERSTANDING THE PATIENT JOURNEY TO DRIVE PRACTICE QUALITY IMPROVEMENT

27th October 2021

WE ACKNOWLEDGE THE TRADITIONAL OWNERS & CUSTODIANS OF THE
LAND THAT WE LIVE & WORK ON AS THE FIRST PEOPLE OF THIS COUNTRY.

Learning Objectives

- What is LUMOS?
- Why is data linkage important?
- Demystifying practice level LUMOS reports to make a difference for your practice and patients.
- LUMOS – becoming the stepping-stone to drive meaningful Quality Improvement and patient health outcomes.



What is LUMOS

Lumos is a partnership initiative between Primary Health Networks and the NSW Ministry of Health.

SO, WHAT IS IT!!

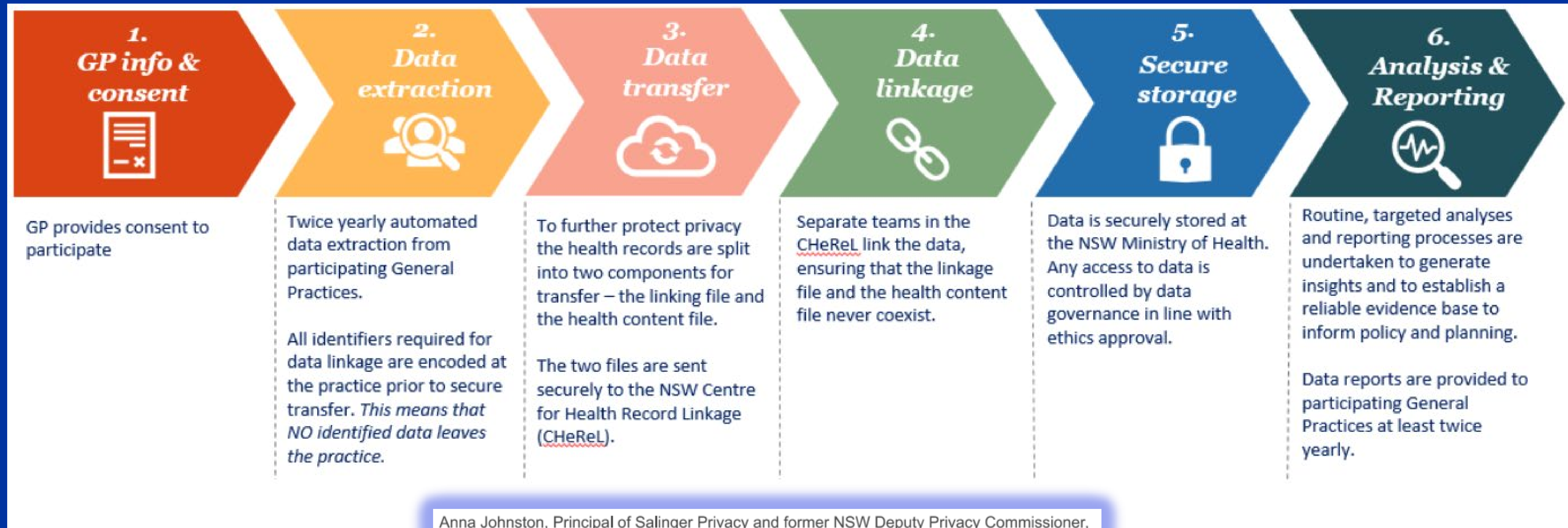
- It is an ethically approved program with strict governance structures that securely links data sets across Primary Care, Emergency Department, Hospital Admissions, Outpatient, Ambulatory and Mortality.
- LUMOS is FREE
- You are provided a unique biannual report
- It provides an exclusive opportunity to better understand your Patient's journey through the Health system
- Opportunity to better coordinate health care
- Support evidence based strategic decision making, identify areas of need and prioritise allocation of resources.
- Your PHN PCIO is here to help

The Lumos vision



What is LUMOS

Practice Level Reports – Program Governance



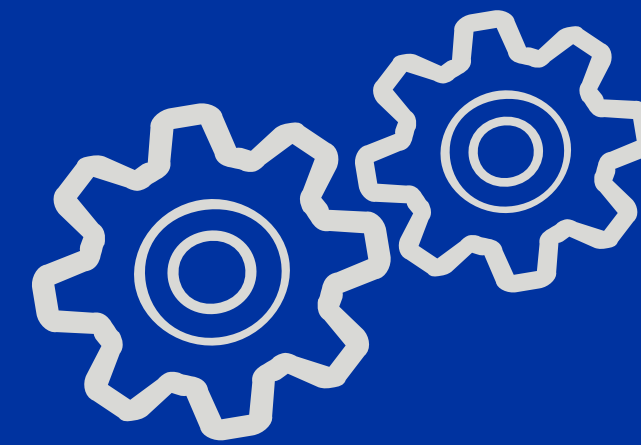
Anna Johnston, Principal of Salinger Privacy and former NSW Deputy Privacy Commissioner, September 2020.

"In our view, the Lumos Program has been well designed to protect patient privacy to a very high degree, and does not give rise to any likely negative impacts on individuals during the data extraction, data linkage or data analysis stages." Anna Johnston, Principal of Salinger Privacy and former NSW Deputy Privacy Commissioner, September 2020.

Why is Data Linkage important?



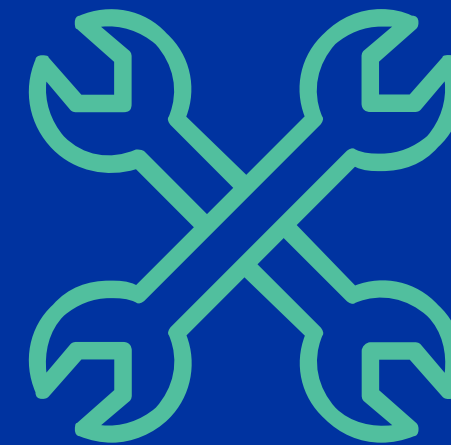
Generate insight around the patient journey through healthcare services



Make systemic adjustments that improve patient experience



Use quantifiable data to demonstrate impacts of QI activity



Find opportunities to work collaboratively



Provide GP's with meaningful information about their patients

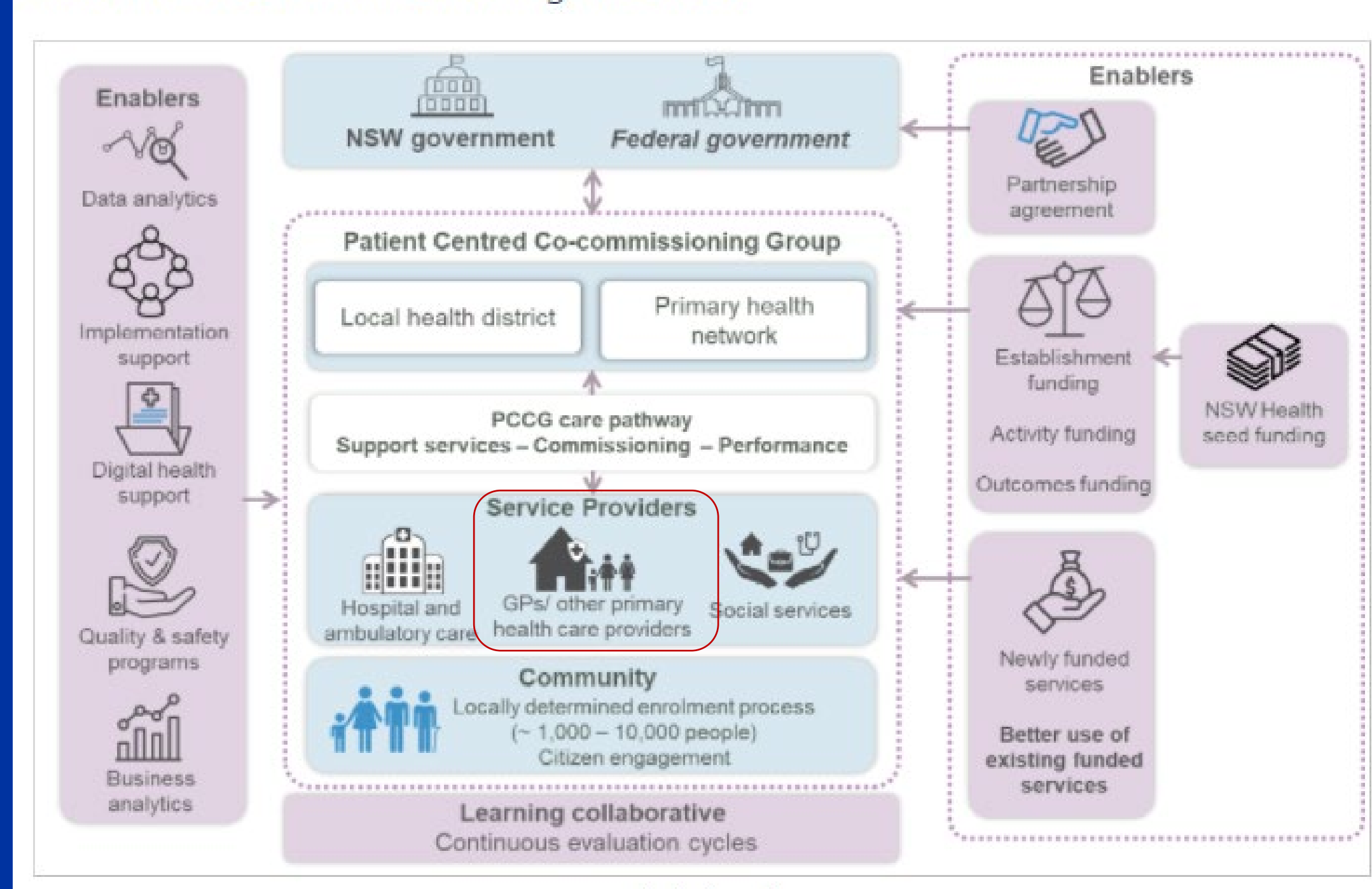


Ensure timely access to care when and where it is needed

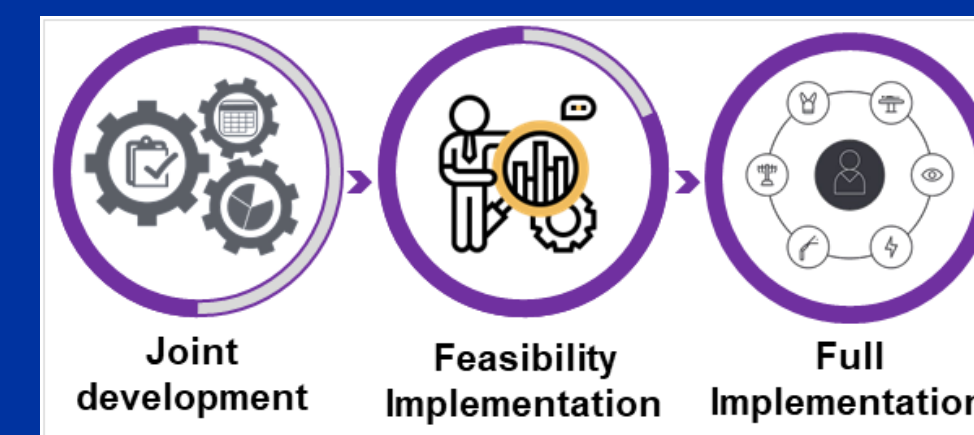
Why is data linkage important?

Collaborative Commissioning - Value based healthcare (nsw.gov.au)

Collaborative Commissioning overview



- Collaborative Commissioning is just one of the programs accelerating value-based healthcare in NSW.
- It partners local health districts and primary health networks in Patient Centred Co-commissioning Groups (PCCGs).
- PCCGs focus on local health needs and develop interventions to improve patient and community outcomes.
- They work with community representatives, organisations and professional groups to co-design a 'care pathway'.



**PRIMARY
HEALTH
NETWORK**

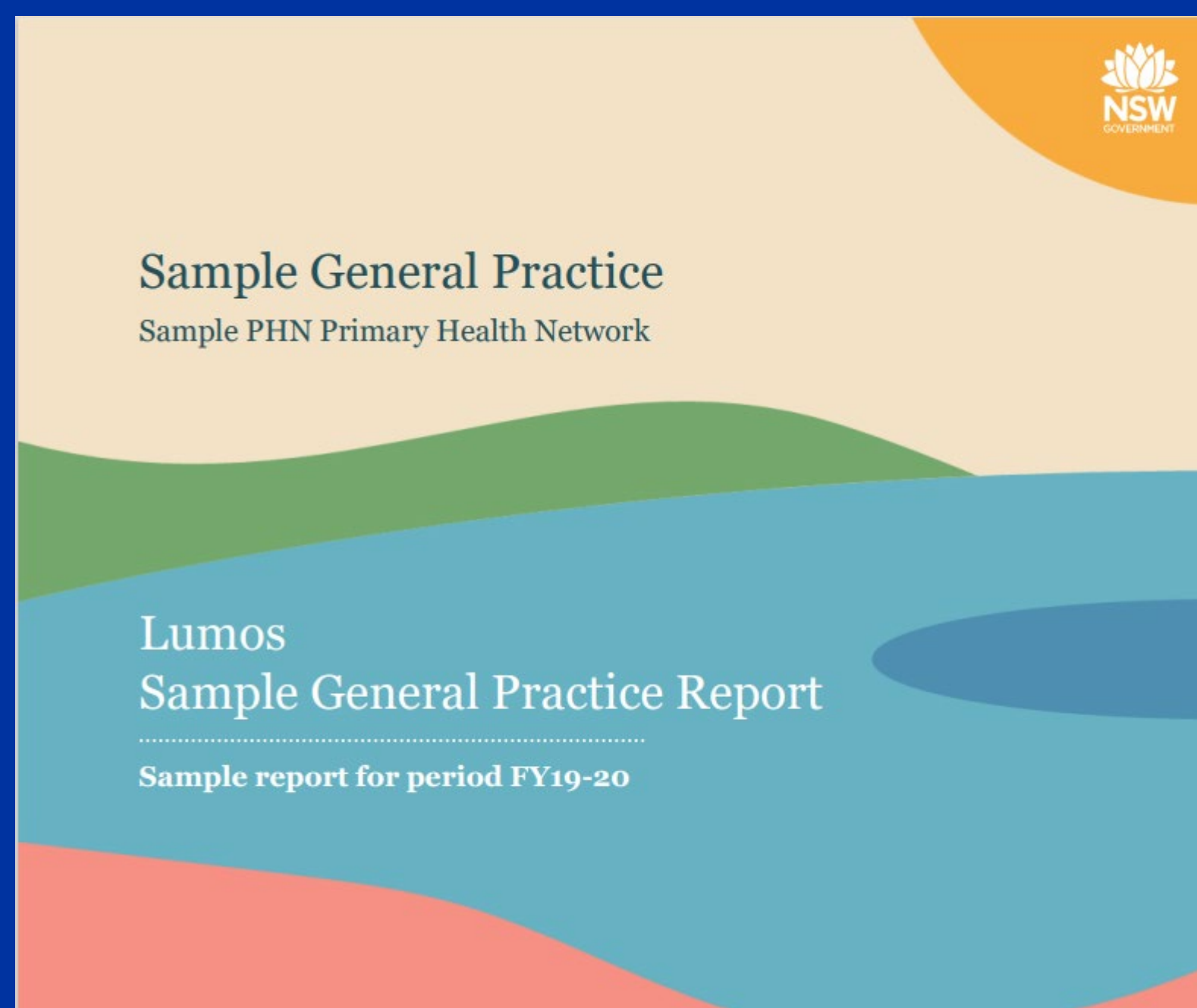
phn
HUNTER NEW ENGLAND
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An Australian Government Initiative

Demystifying practice level LUMOS reports to make a difference for your practice and patients.

The report is unique to YOUR Practice!!

Maps any patient interaction with your practice and the linked data sets mentioned previously.

Results are shown as percentages – they are high level data analysis – they are a snapshot in time – and are comparable across consecutive reports = quantitative evidence



October 2020 Linkage

67 practices Hunter New England and Central Coast PHN

36 practices South Western Sydney PHN

27 practices Western Sydney PHN

27 practices Central and Eastern Sydney PHN

12 practices Nepean Blue Mountains PHN

5 practices Murrumbidgee PHN

23 practices Northern Sydney PHN

5 practices South Eastern NSW PHN

4 practices Western NSW PHN

10 practices North Coast PHN

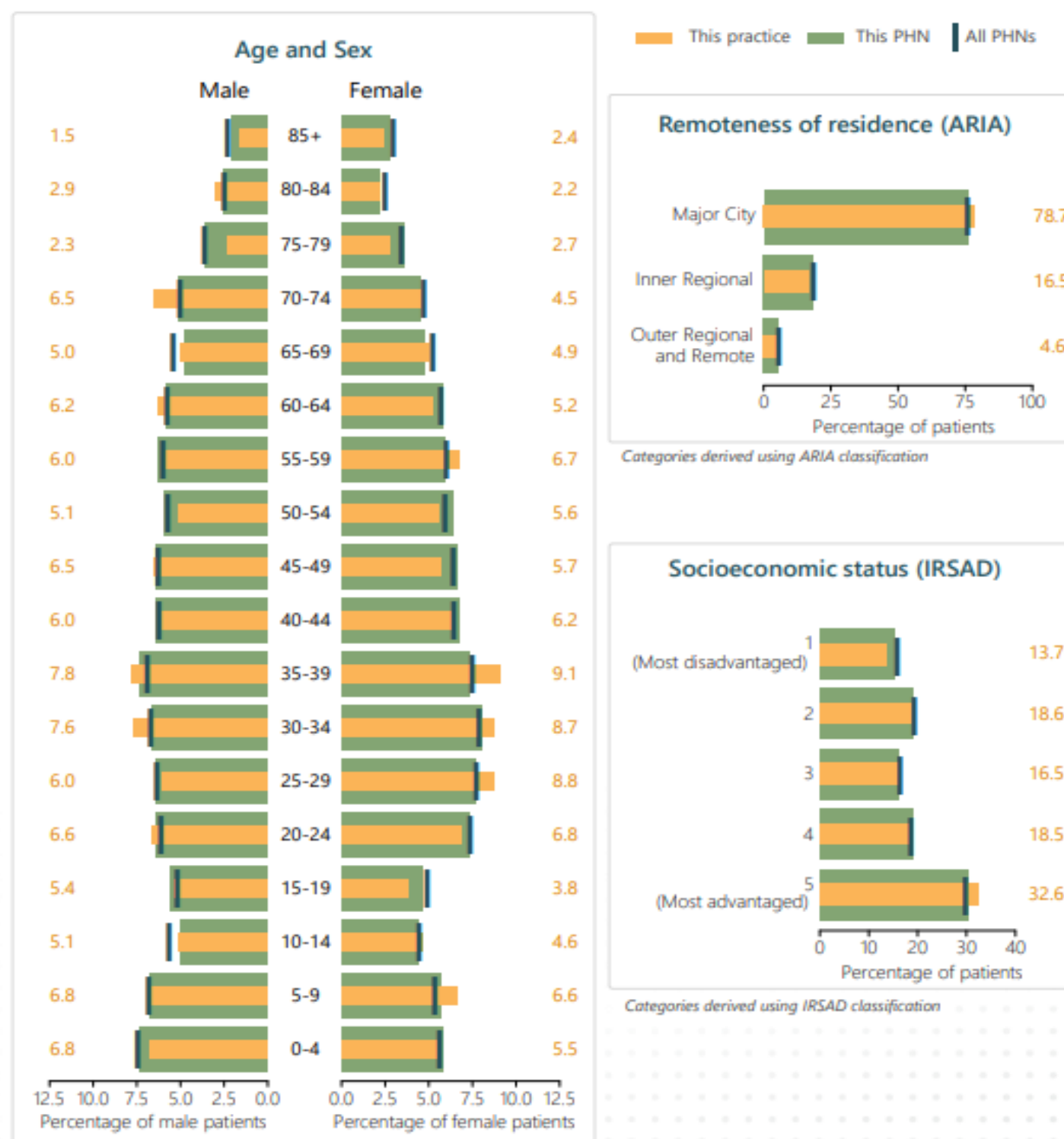
Demystifying practice level LUMOS reports to make a difference for your practice and patients.

Patient profile

Patient population by sex, age, remoteness and socio-economic status

This page provides key demographic characteristics of your patients which will help you interpret your report. Of your patients who had encounters with your practice in FY19-20, 53.6% were female, 46.2% were male and the average age was 39.6 years. Across this PHN, the values were 53.7%, 46.1% and 40 years, respectively.

See Appendix for information about categorising remoteness using the accessibility/remoteness index of Australia (ARIA) and socioeconomic status using the index of relative socioeconomic advantage and disadvantage (IRSAD).



Lumos - Sample General Practice, Oct 2021

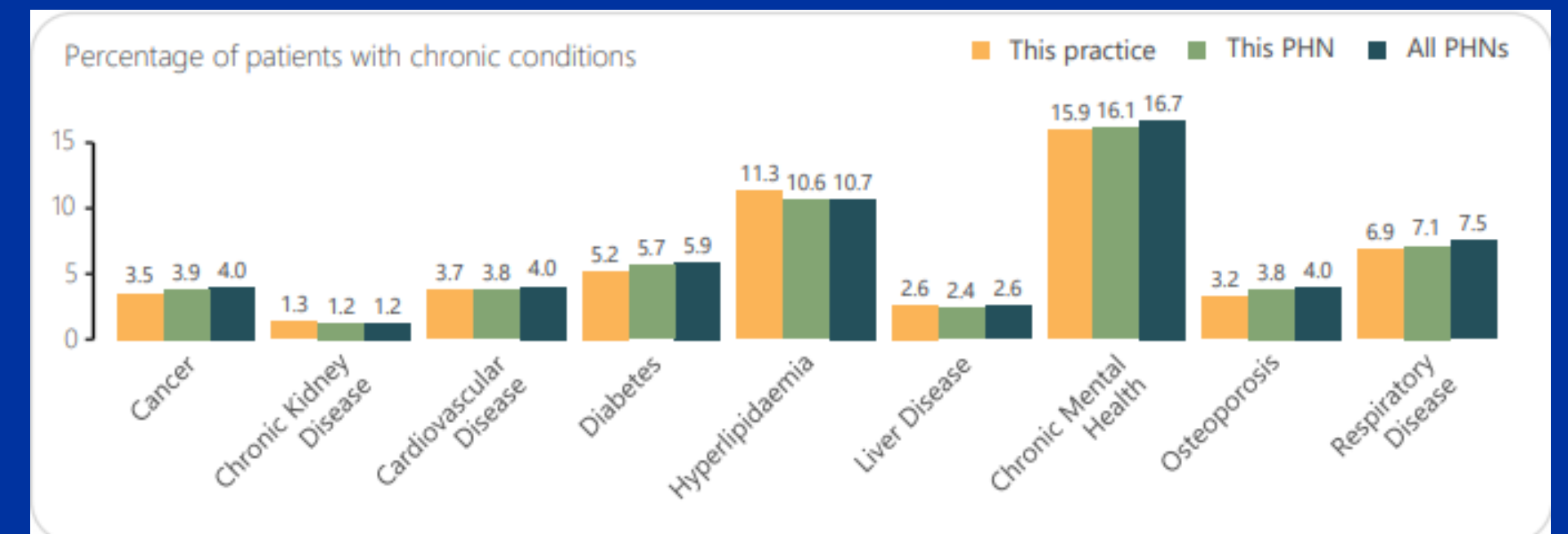
Graphs provided in the LUMOS report offers the opportunity to compare practice level data against the average for all other participating practices in your PHN and all PHN's in NSW



The LUMOS report starts by outlining key demographic characteristics of your patients to create a profile that can be applied throughout.

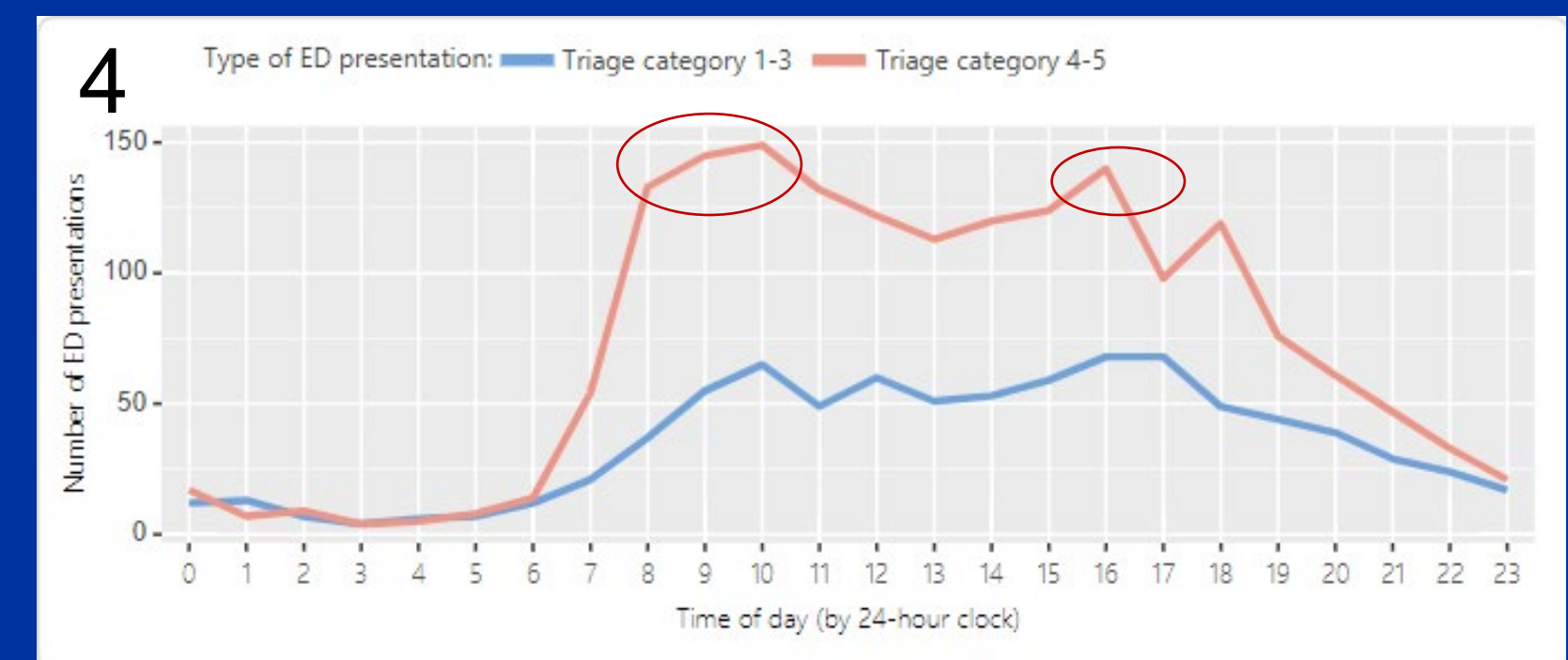
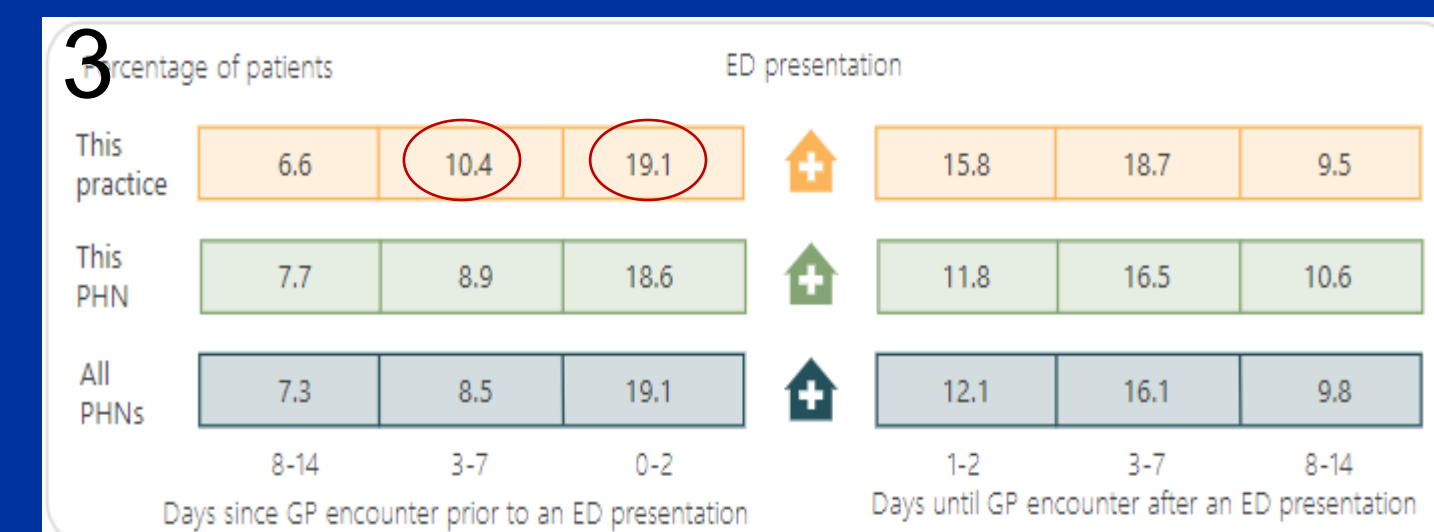
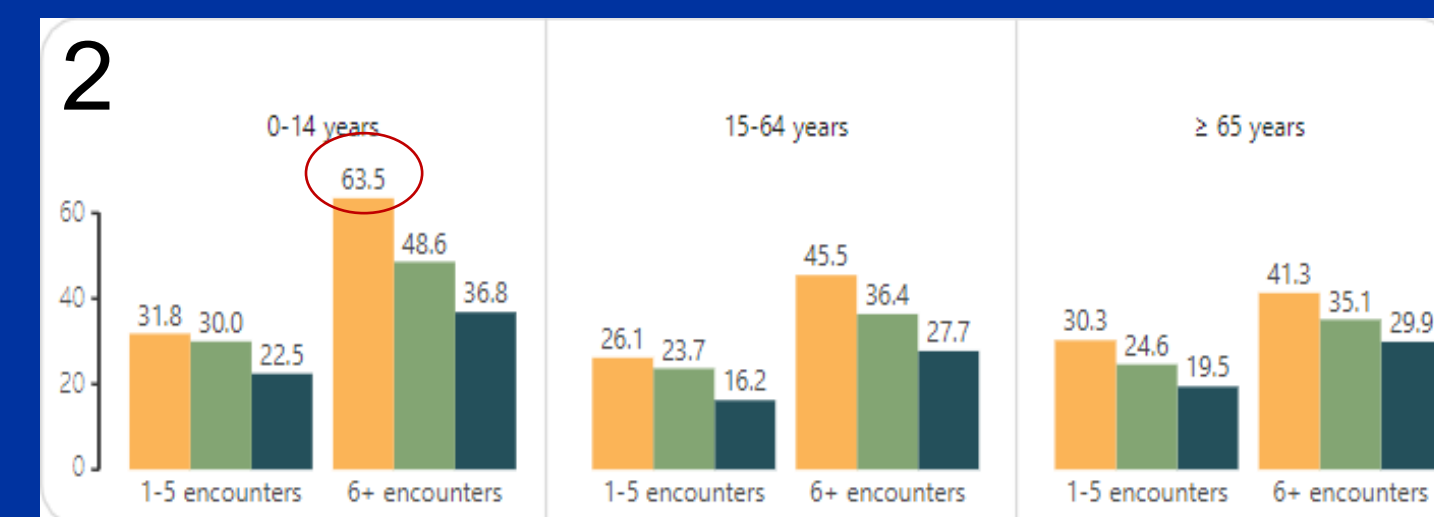
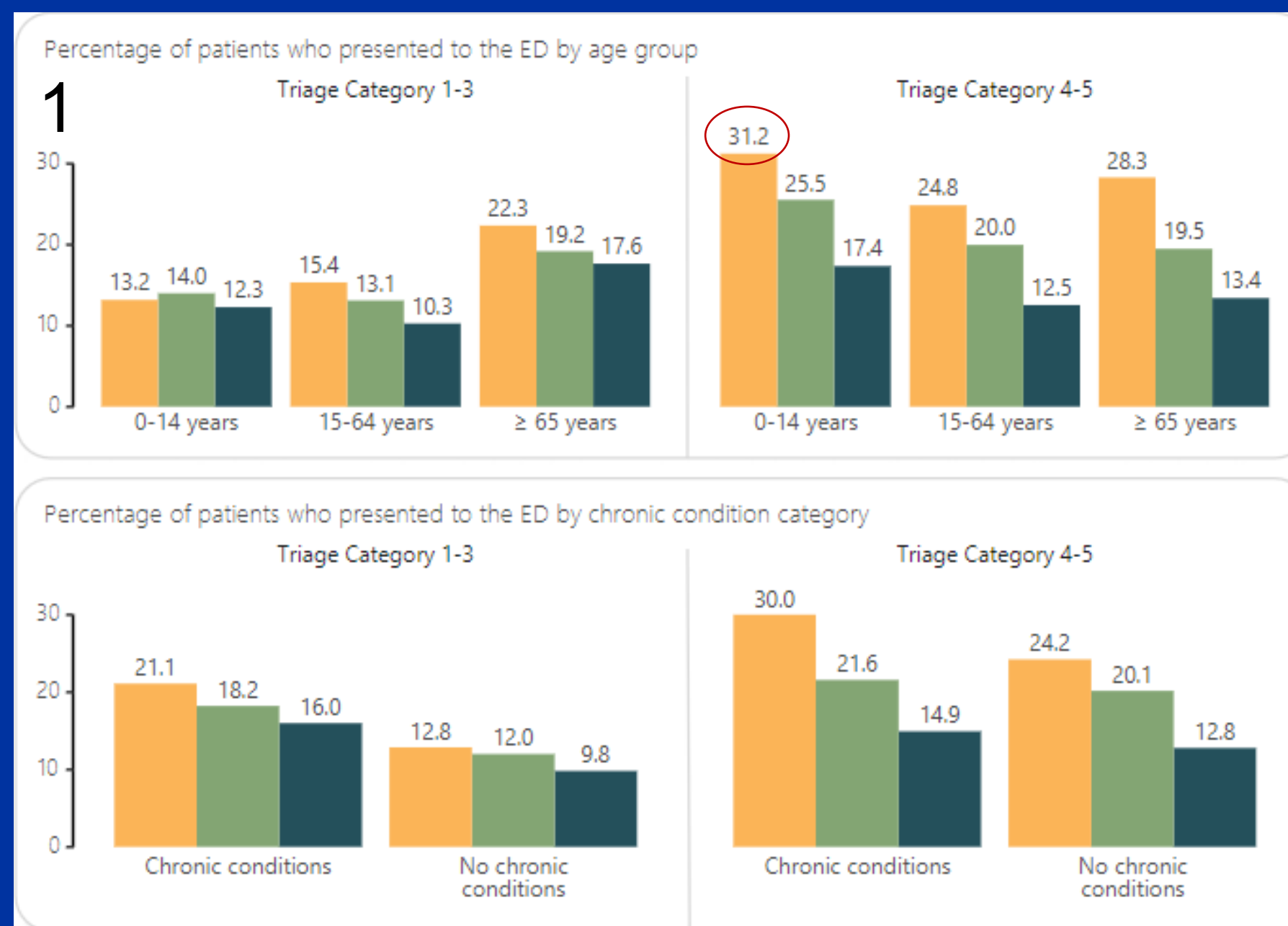
Demographics are a helpful base to start profiling your patient population.

- Demographics are measurable characteristics.
- Identify the number of people to which you could direct your products or services.
- Target services to meet a particular need.



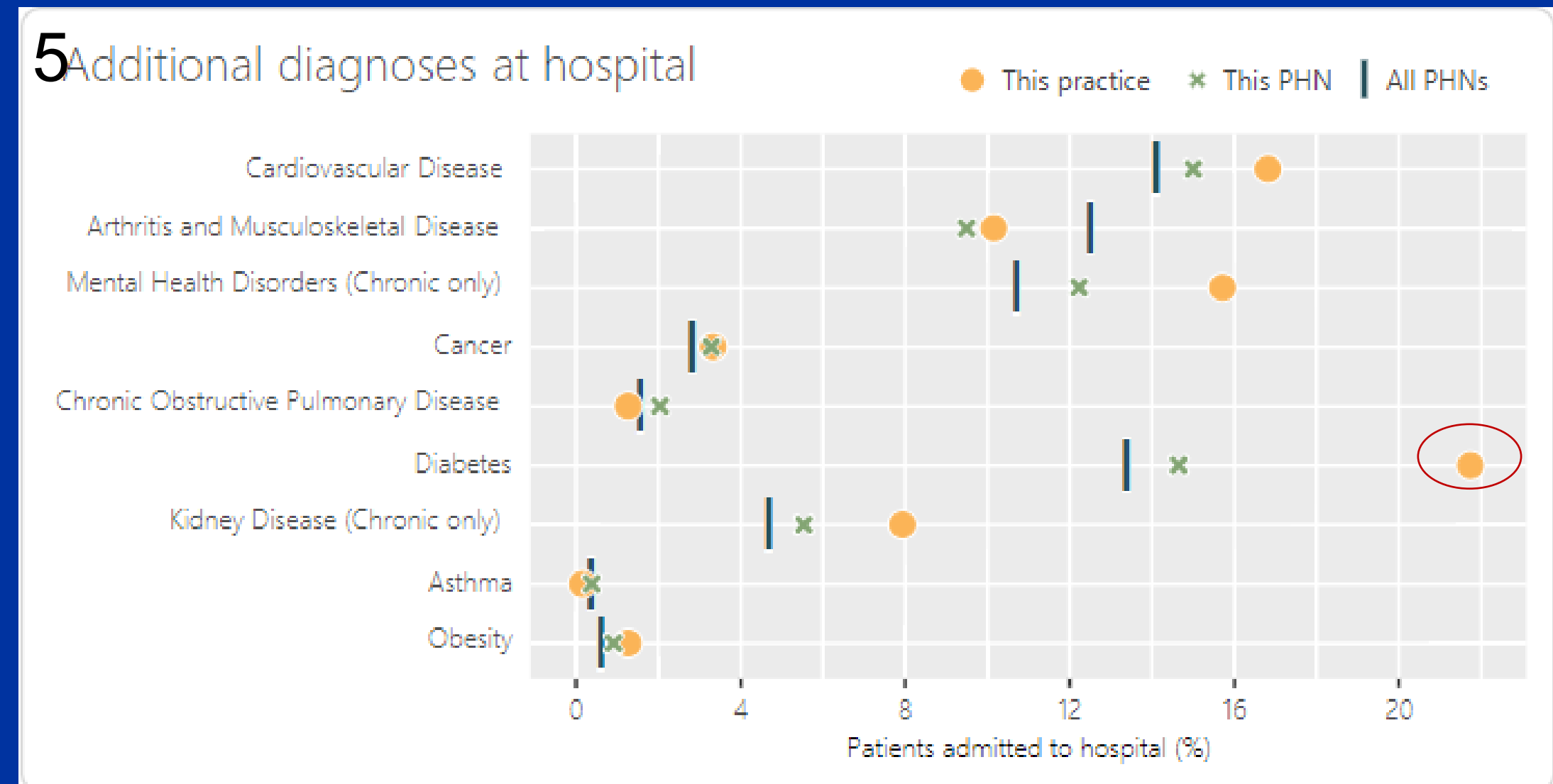
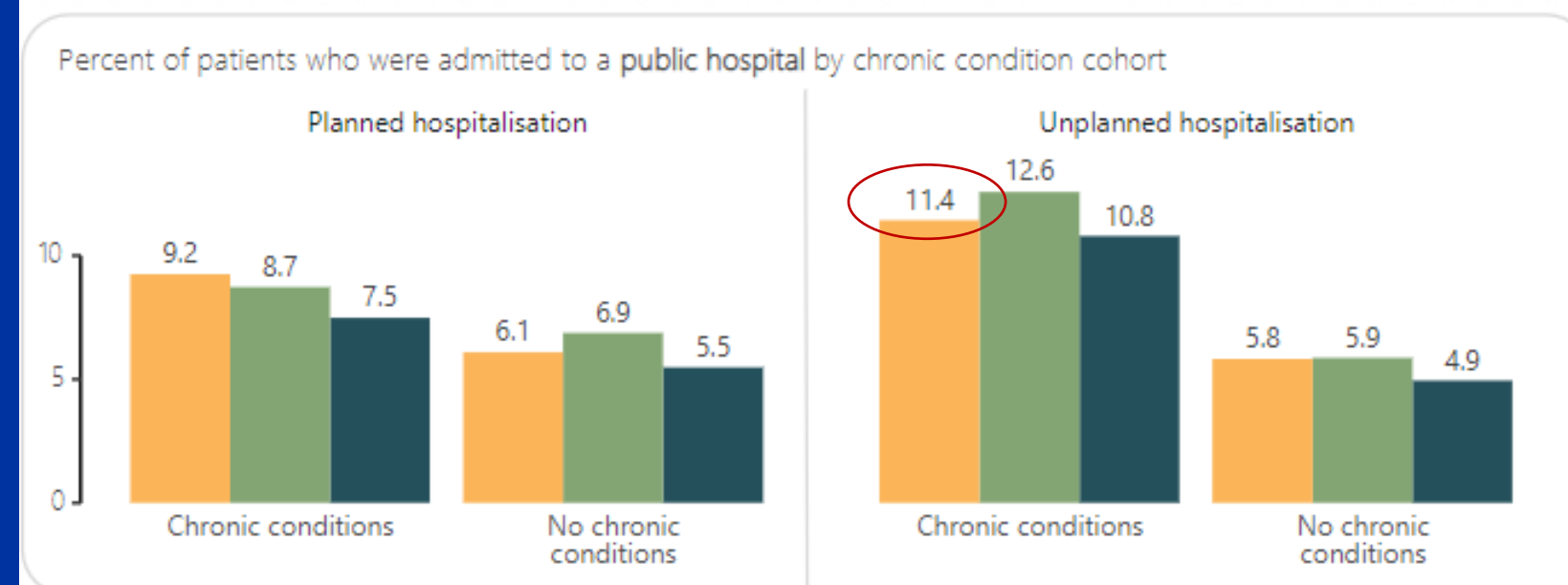
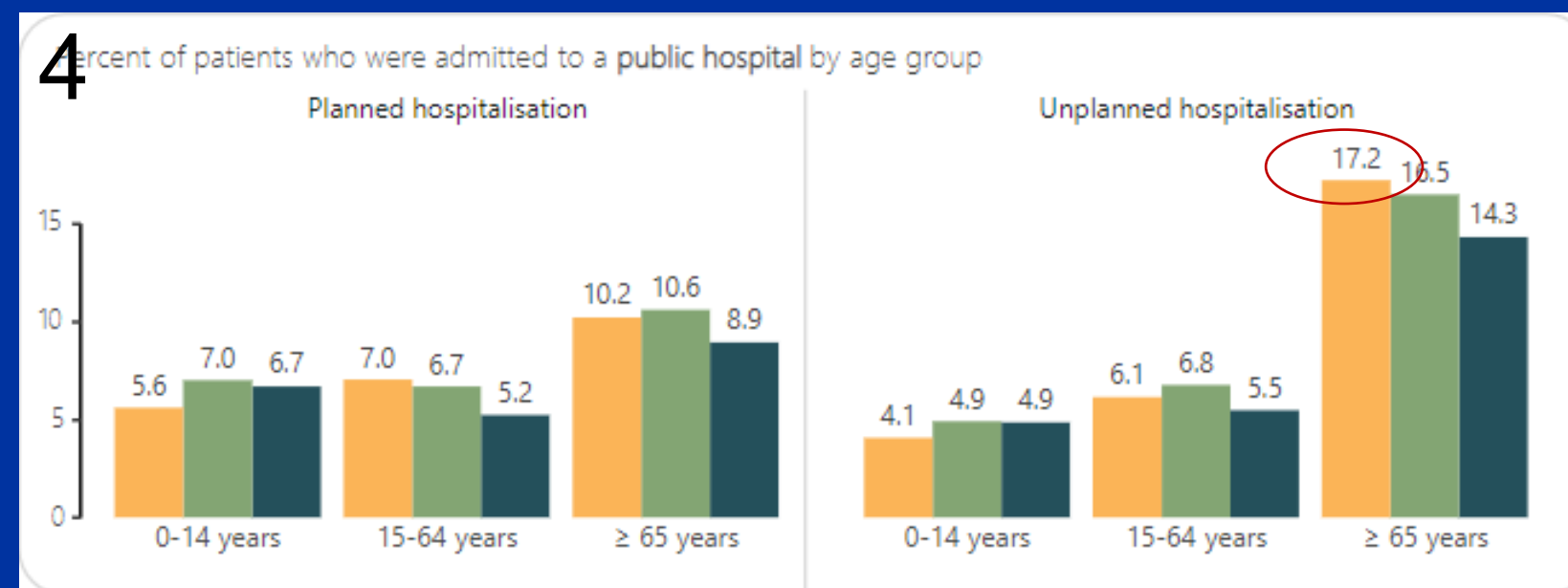
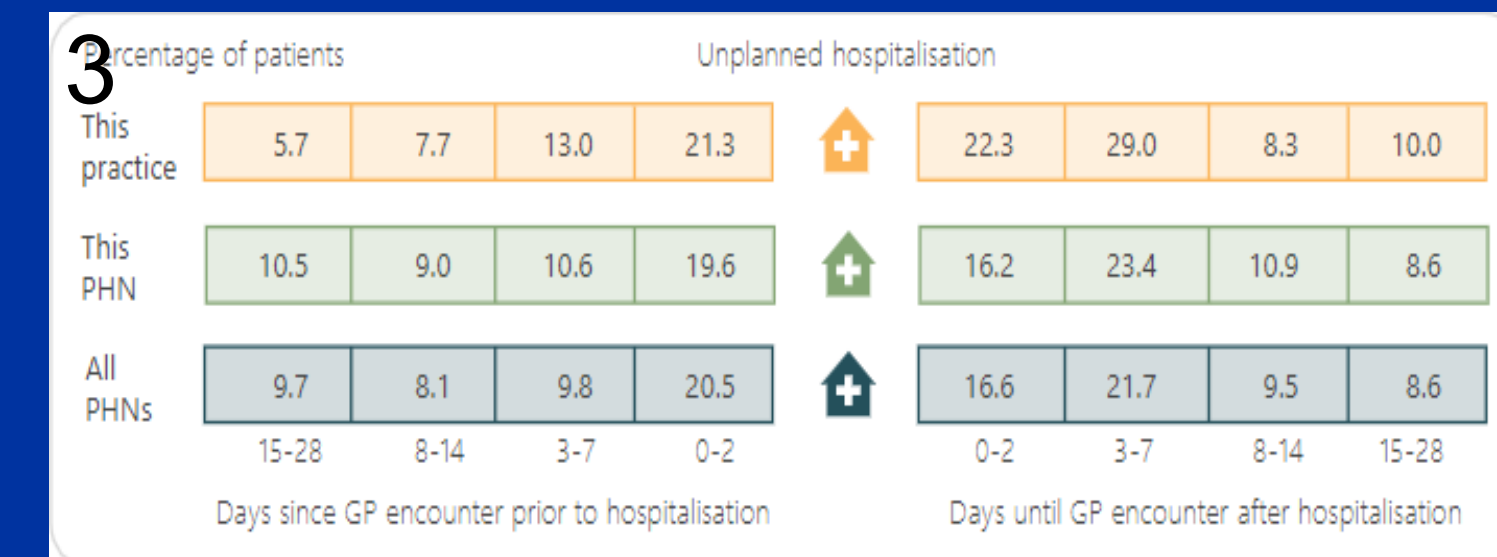
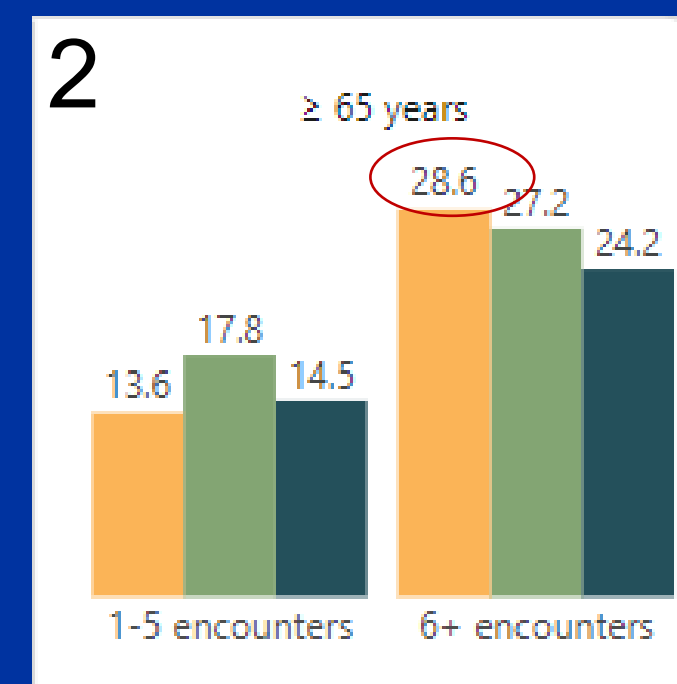
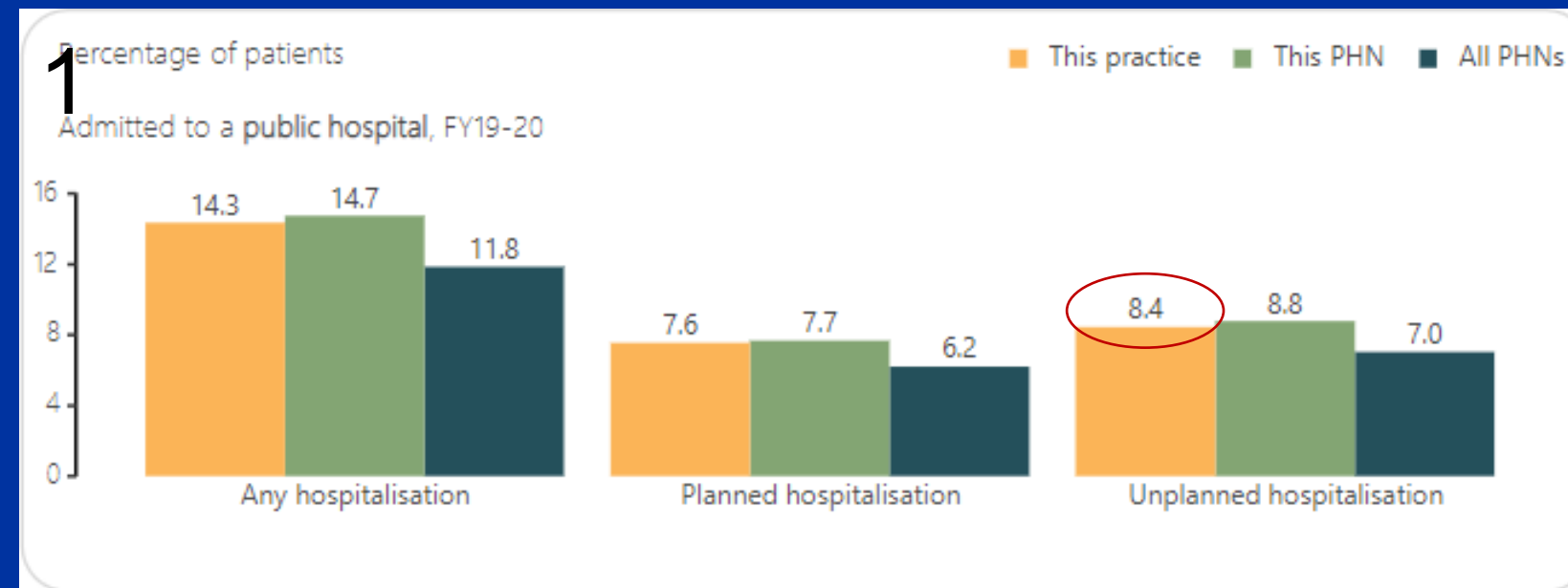
Demystifying practice level LUMOS reports to make a difference for your practice and patients.

This section provides more detail about your patients who presented to the ED. It highlights which patient cohorts are more likely to go to the ED, how often and when these patients had encounters with your practice and also why and when these patients presented to the ED. The following insights are presented for all ED presentations and separated by triage category. This information is further explored by age, chronic disease cohorts, timing of ED presentations and referral types.



Demystifying practice level LUMOS reports to make a difference for your practice and patients.

Hospitalisations, it shows patients encounters with a practice and subsequent hospital admission.



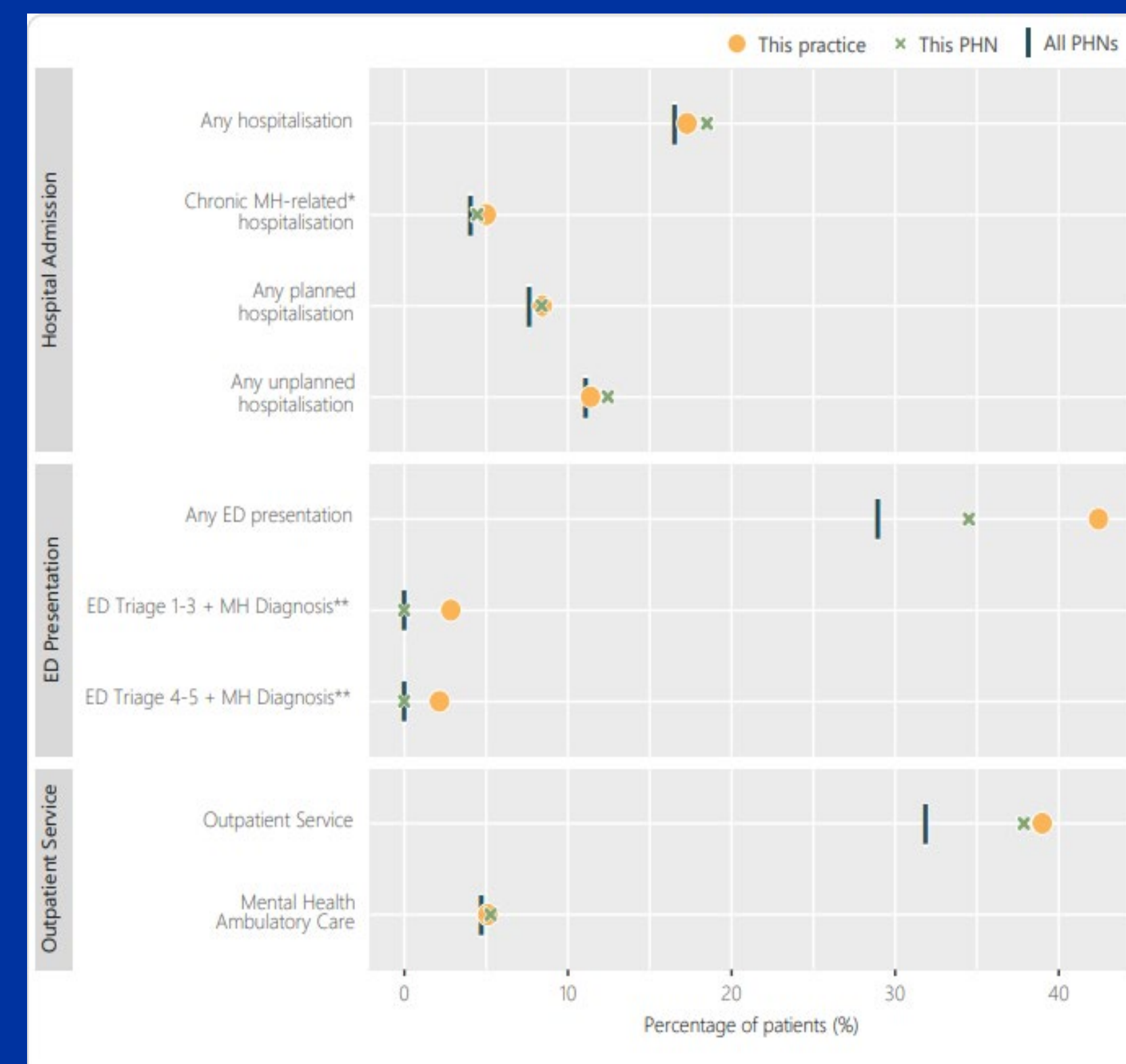
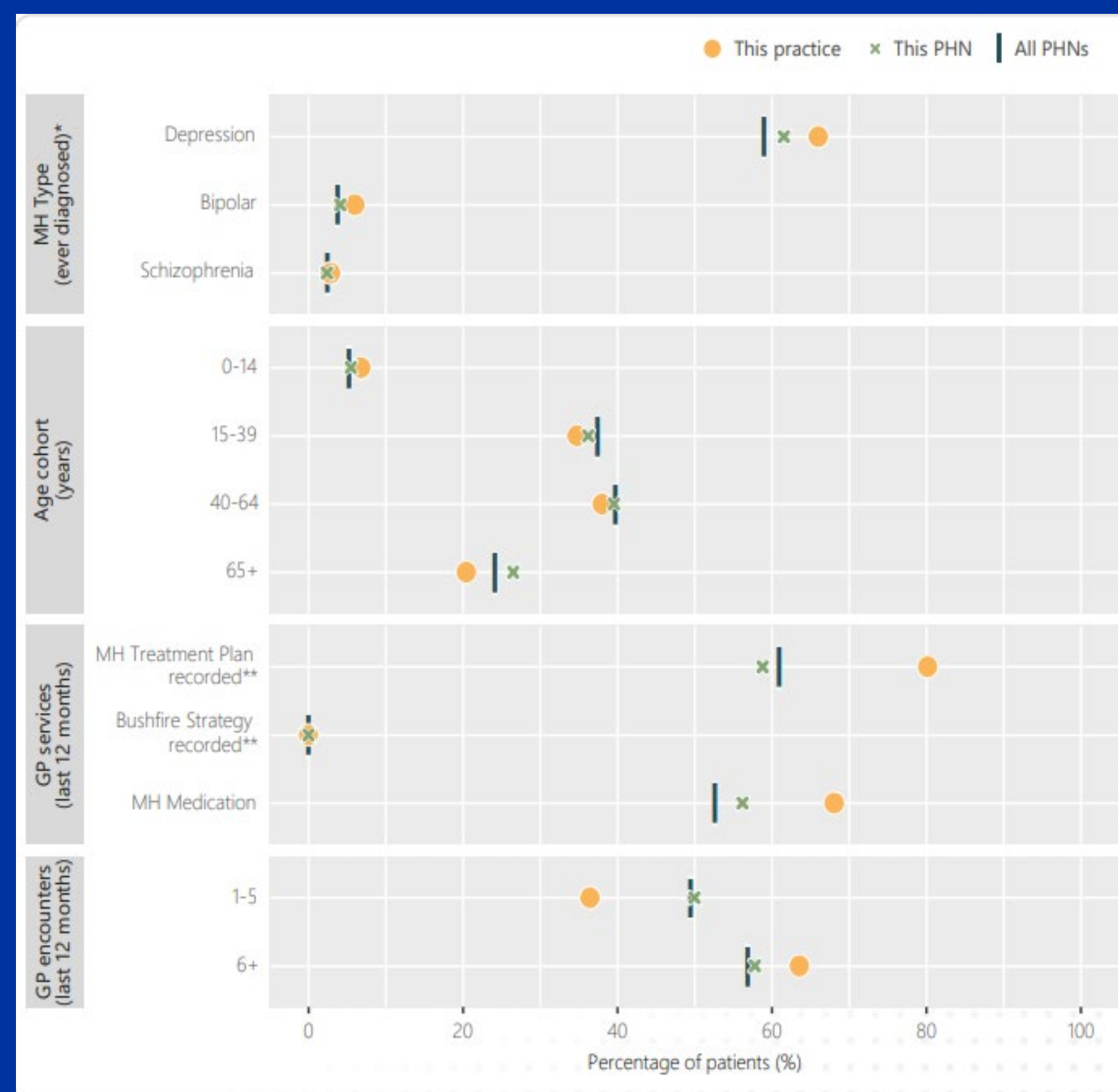
Demystifying practice level LUMOS reports to make a difference for your practice and patients.

Condition in Focus – Mental Health

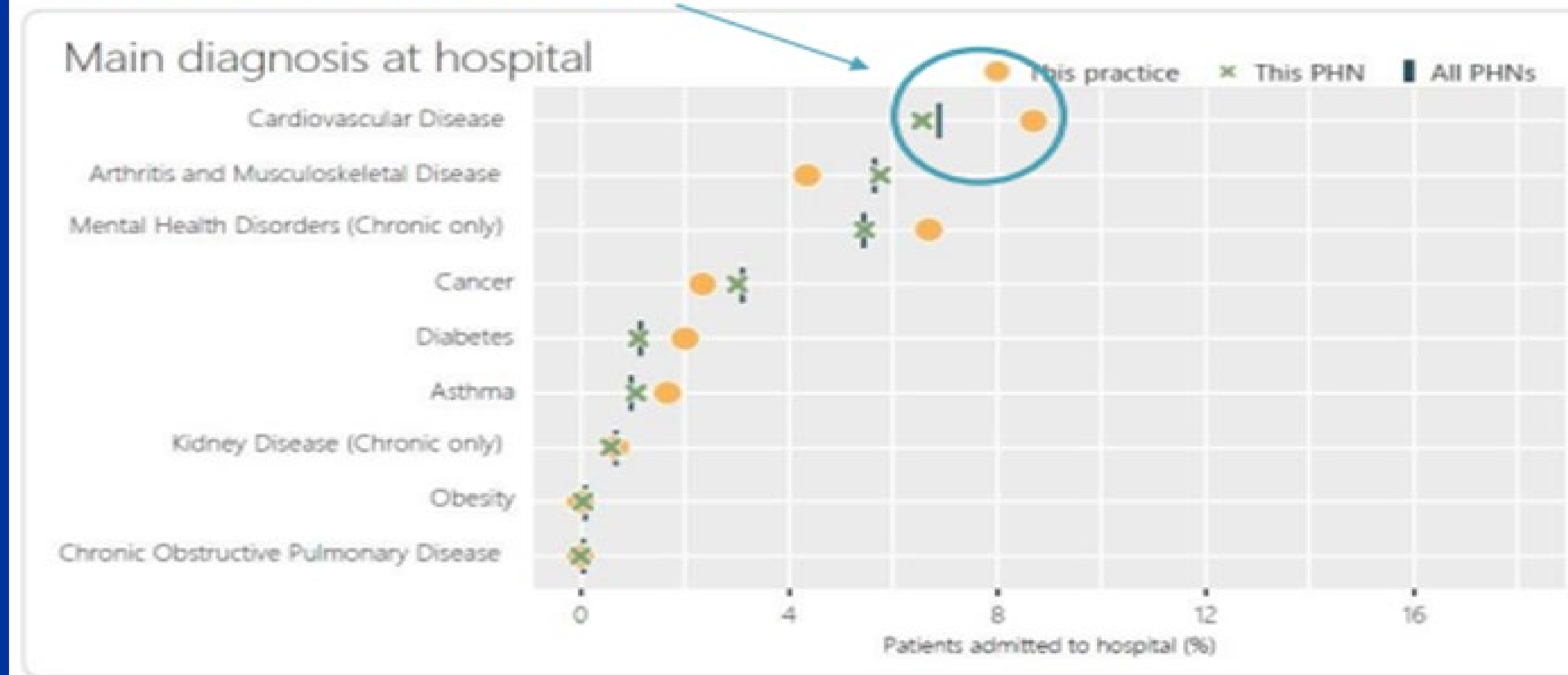
This section details patients who had encounters with your practice.

This page provides a deeper insight into this cohort.

The following graphs shows the distribution of your patients with mental health conditions by condition type, age cohort, frequency of GP encounters and selected GP services recorded.

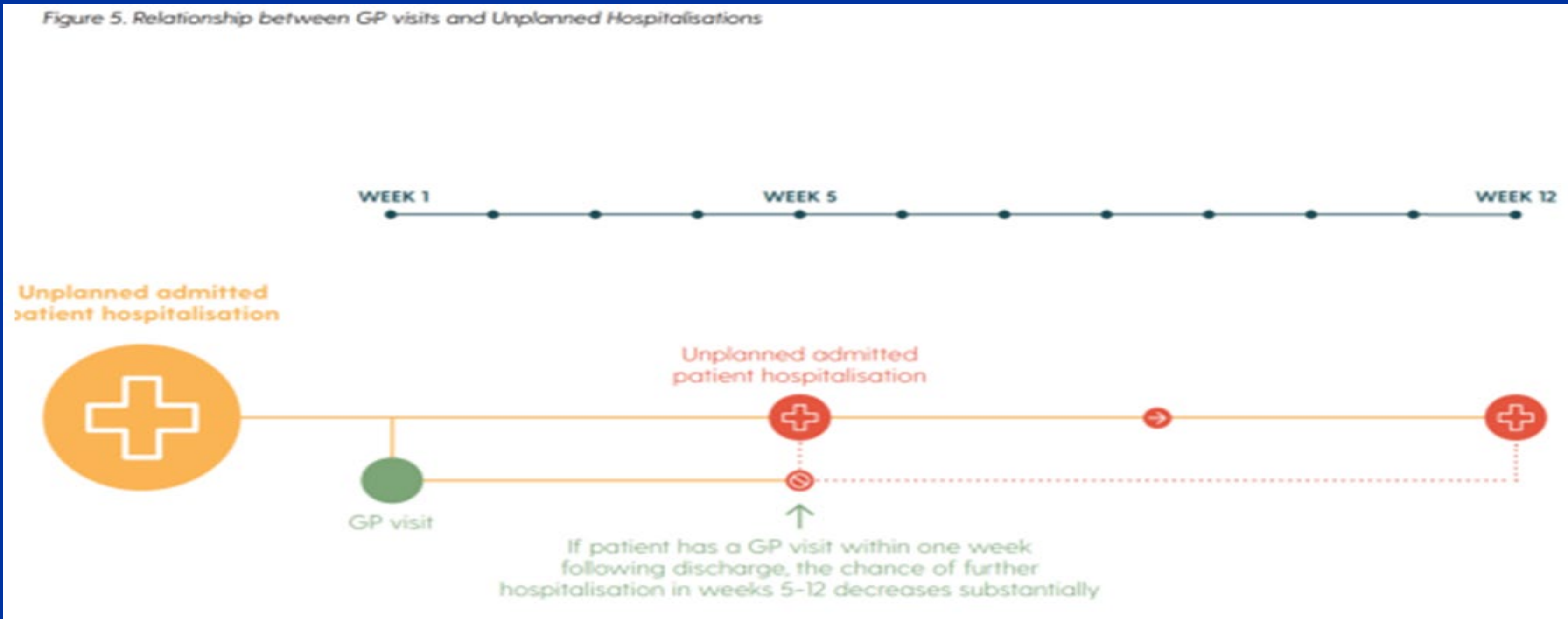


LUMOS – Meaningful Quality Improvement and patient health outcomes.



LUMOS – Quality Improvement and patient health outcomes.

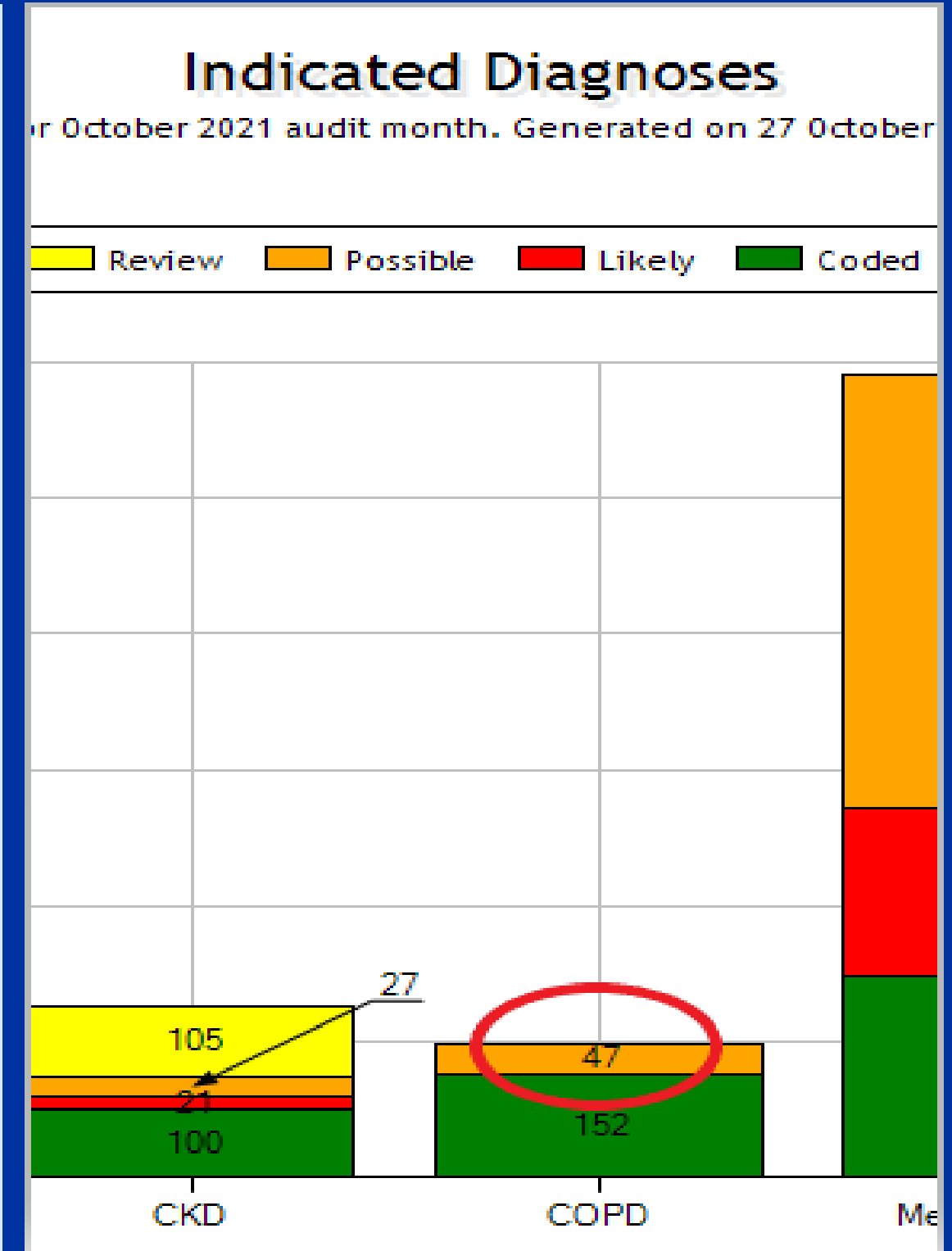
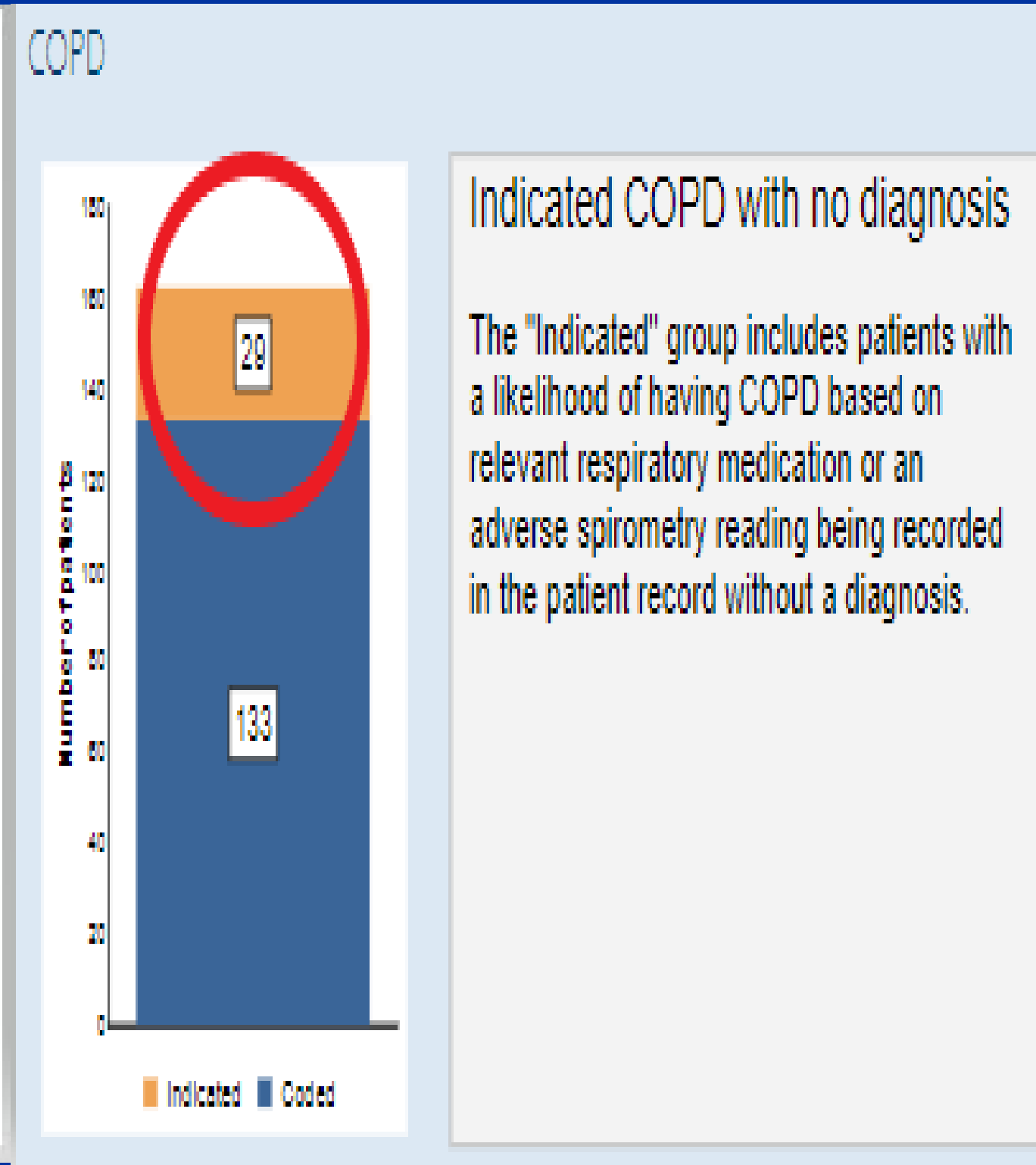
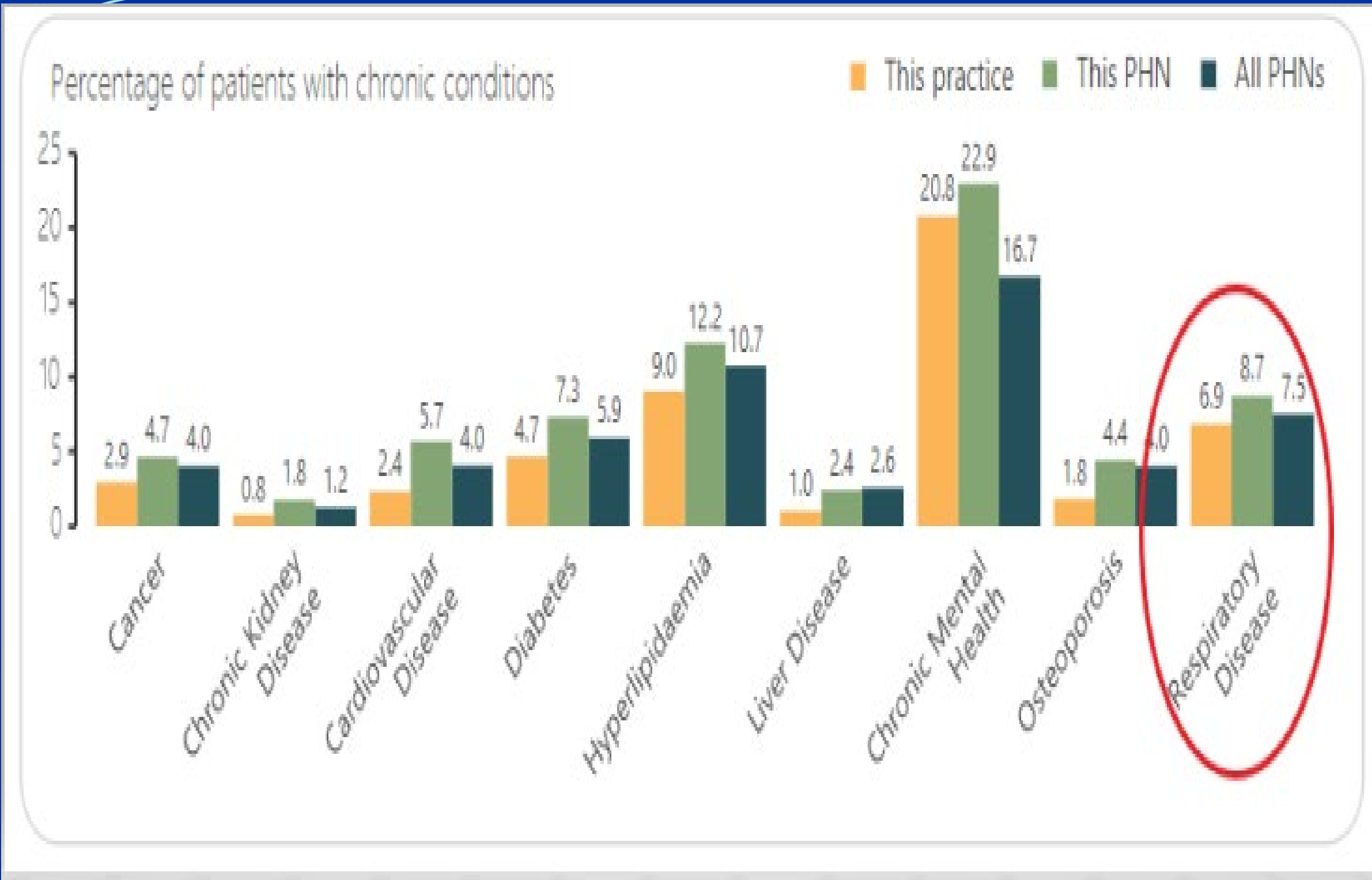
Figure 5. Relationship between GP visits and Unplanned Hospitalisations



	Percentage of patients					Unplanned hospitalisation			
	15-28	8-14	3-7	0-2		0-2	3-7	8-14	15-28
This practice	11.9	8.2	8.6	12.5	🏠	10.5	16.3	13.0	11.2
This PHN	10.5	9.0	10.6	19.6	🏠	16.2	23.4	10.9	8.6
All PHNs	9.7	8.1	9.8	20.5	🏠	16.6	21.7	9.5	8.6

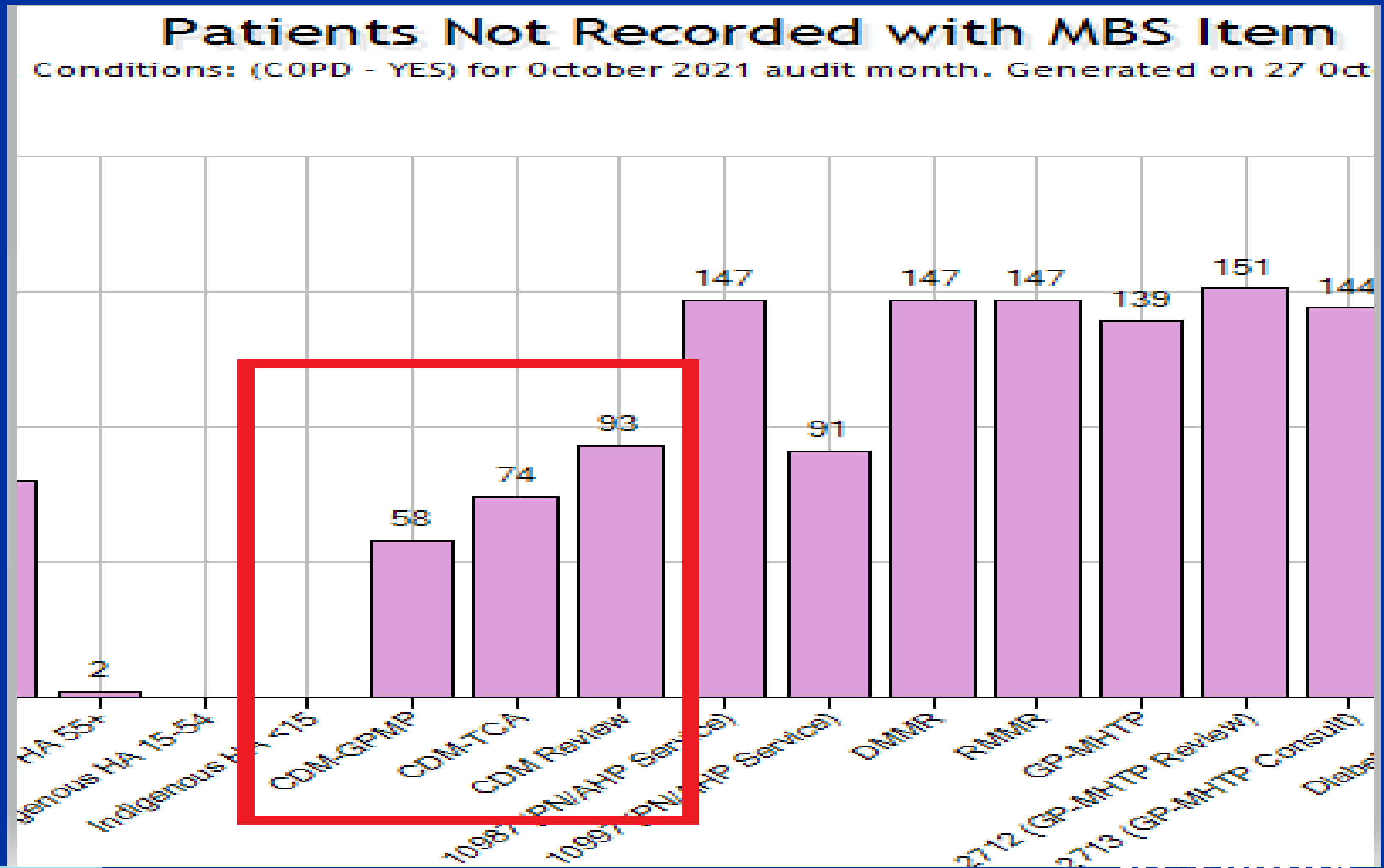
Days since GP encounter prior to hospitalisation Days until GP encounter after hospitalisation

LUMOS – Quality Improvement and patient health outcomes.



text

LUMOS – Quality Improvement and patient health outcomes.



Longer term monitoring of hospital avoidance using LUMOS reports

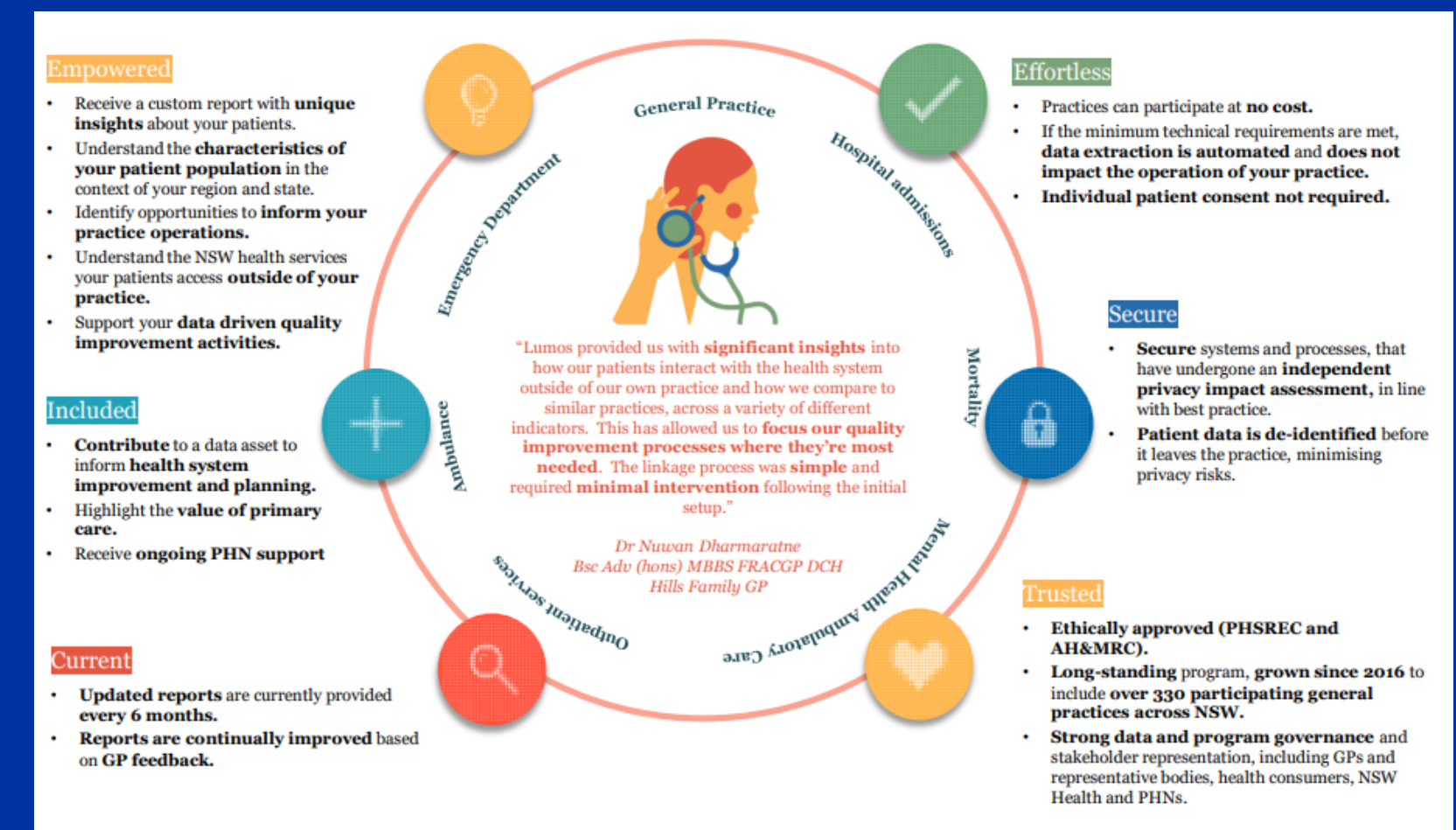
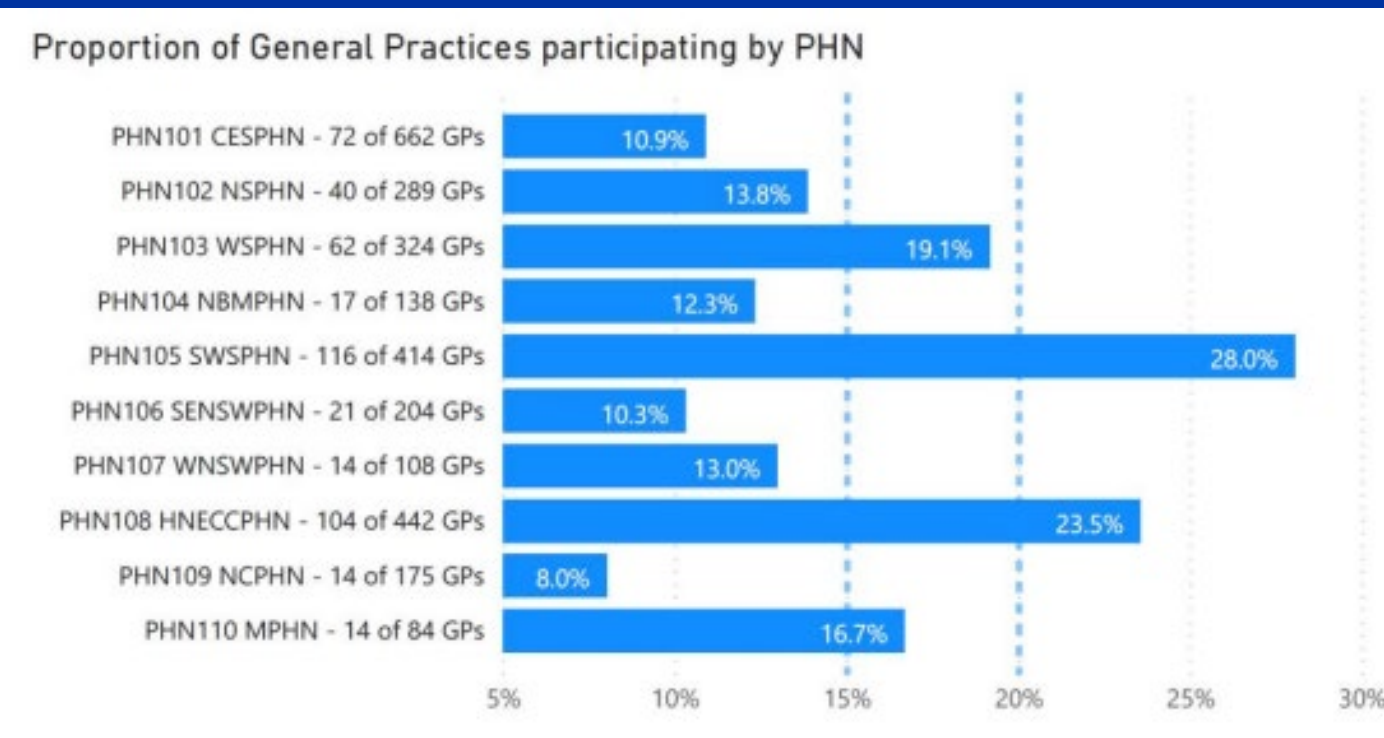
Lumos Sample General Practice Report Sample report for period FY19-20

If you would like to access more information you can click [here](#)

Additionally, if you would like to access your free **Lumos Practice report** - you only need to contact your local PCIO or James McNeill via email on jmcneill@thephn.com.au

You are able to complete the consent to participate in LUMOS at any time, the next linkage occurs in April 2021.

Help us get back to leading the state recruitment in this 'first of its kind' initiative.



Stay tuned for more information about [The PHN online Lumos Community of Practice](#) - COMING SOON



Questions?

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