



@AskSystemView

Nurses, Data and Analytics

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Acknowledgement of Country

I begin today by acknowledging the Gadigal people of the Eora nation, who are the traditional custodians of the land we meet on today.

I would also like to pay my respects to all Elders past, present and emerging. I extend that respect to Aboriginal and Torres Strait Islander peoples with us today.



What did Florence do?

- Statistician and data analytics pioneer
- Created data visualisation diagrams for easier analysis and actionable insights
- In 1859, Nightingale was elected the first female member of the Royal Statistical Society

By Florence Nightingale - <https://www.davidrumsey.com/luna/servlet/s/h6xid2>,
<https://doi.org/10.4037/aacnacc2019579>

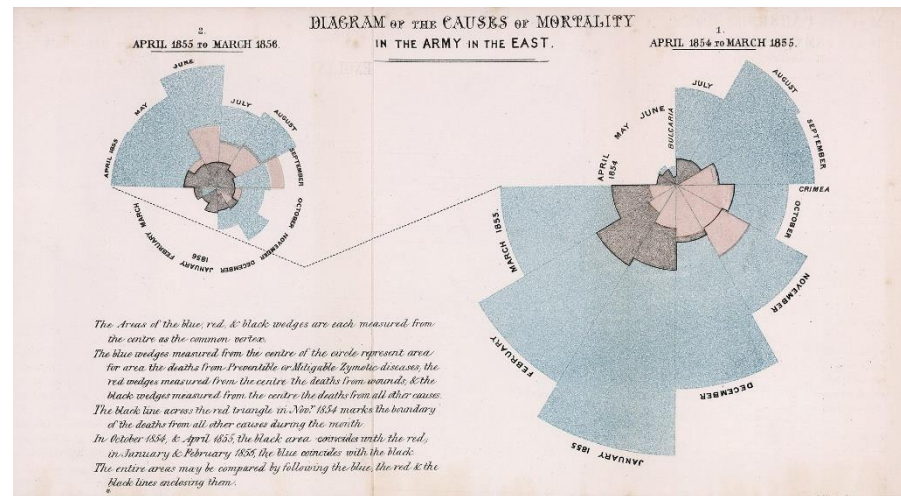


Figure 1: Diagram of the Causes of Mortality. Image via Wikimedia Commons



Nurses and Midwives





What is Health Data?



Health data is any data related to health conditions and outcomes, causes of death, and quality of life.



It can be at individual or population level and includes clinical metrics, records of services received/provided, conditions of those services and clinical outcomes of those services.

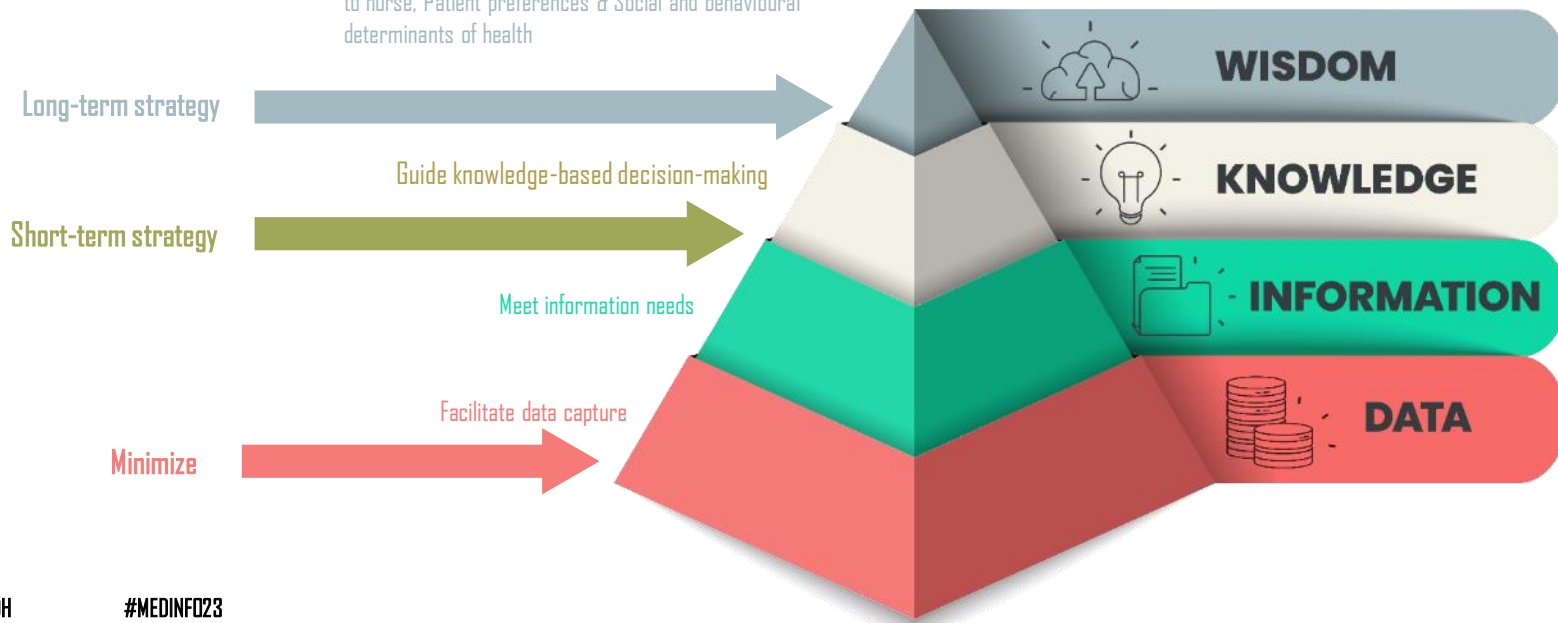


Environmental, socioeconomic and behavioural information that relates to health and well being is also included in health data.



Transforming data into wisdom

Clinical interpretation, Predictive analytics, Personalisation to nurse, Patient preferences & Social and behavioural determinants of health





Actionable data to help hospitals deliver services





Managing ED patient flow





Managing Inpatient flow





Service improvements - Outpatients

OP Total Waiting (#) and Overdue Waiting (#) by Week - Last 18 months

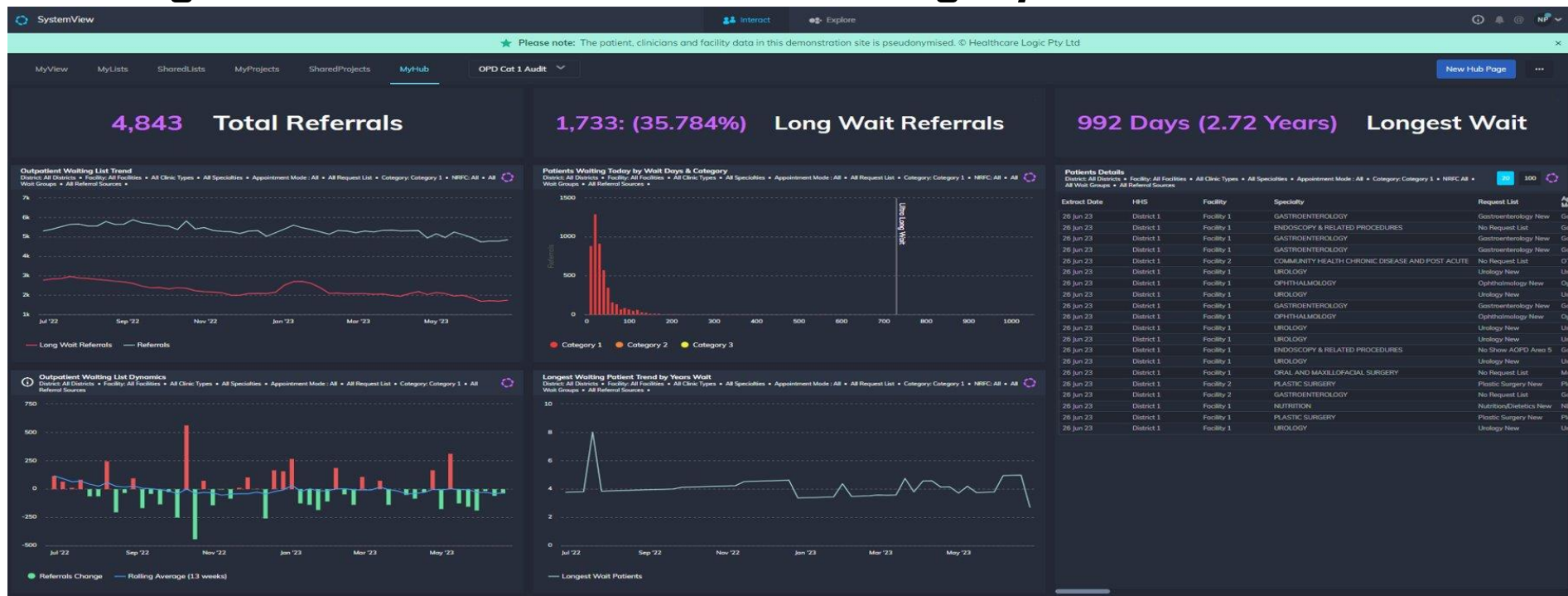
Hospital Group: CALHN, Hospital: All

Discussion Projects Hub Pages Export Close

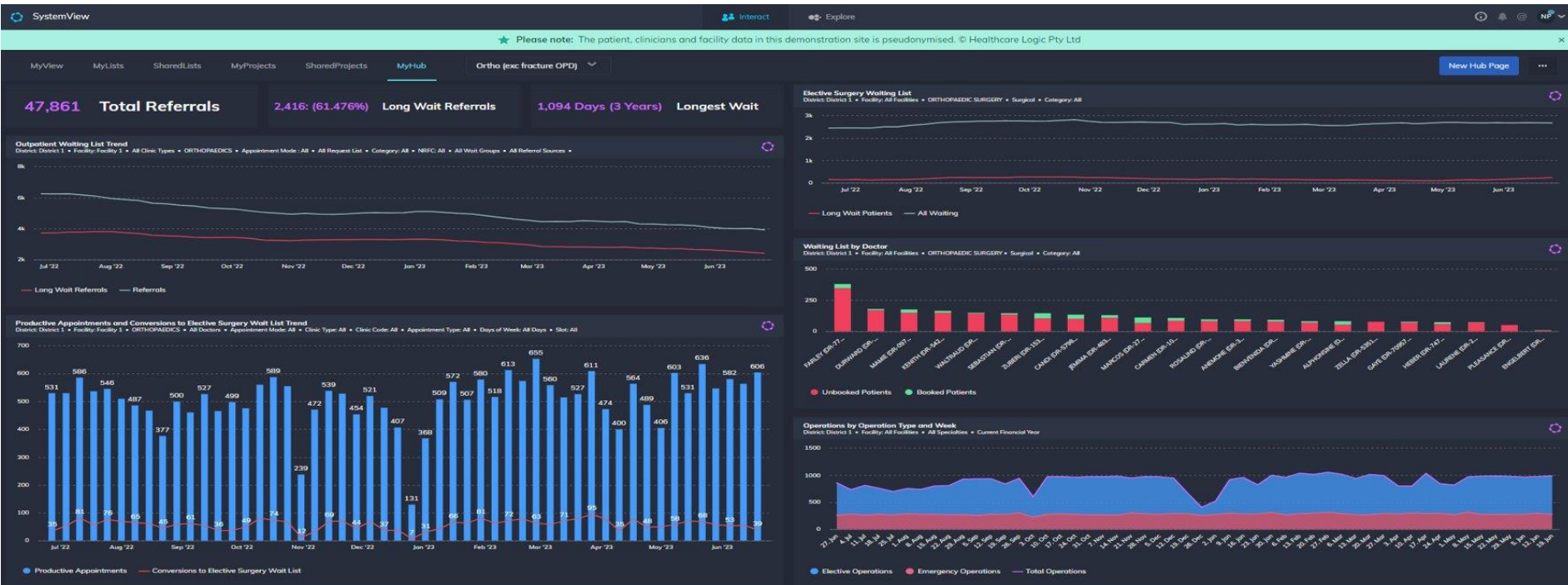




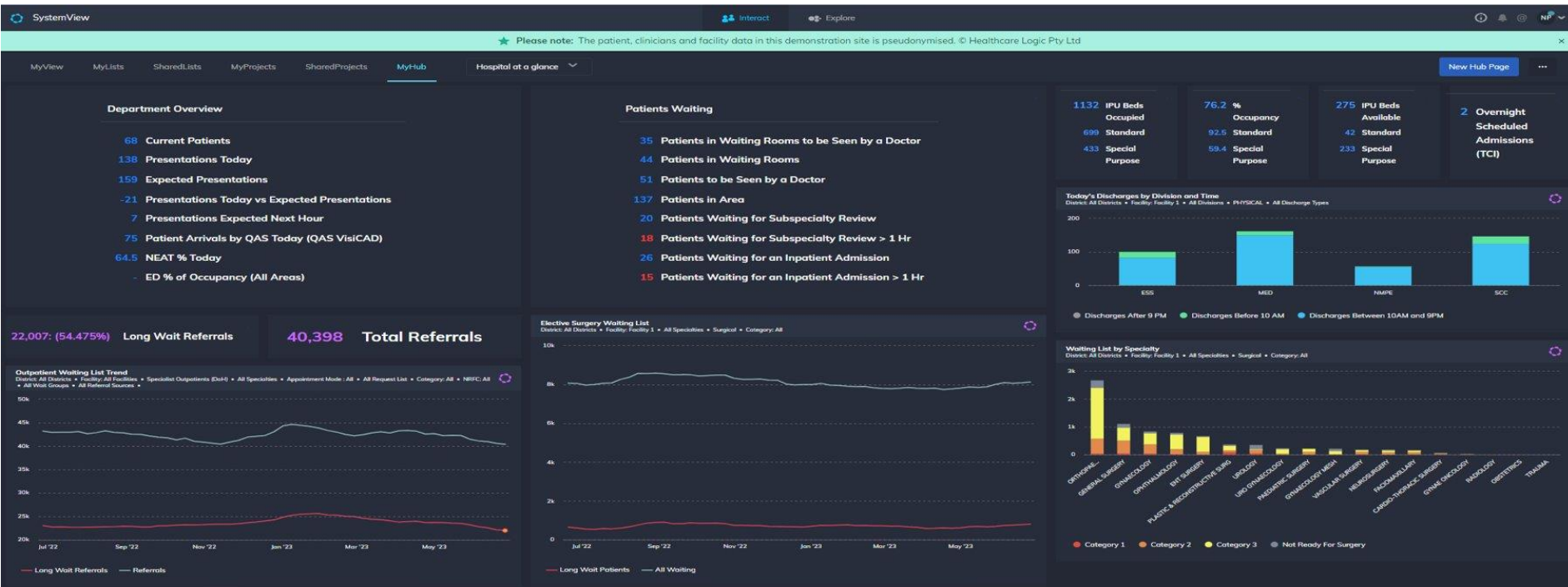
Surgical Director Hub – OPD and Surgery



OPD Hub Service Improvement example



Hospital Overview Hub



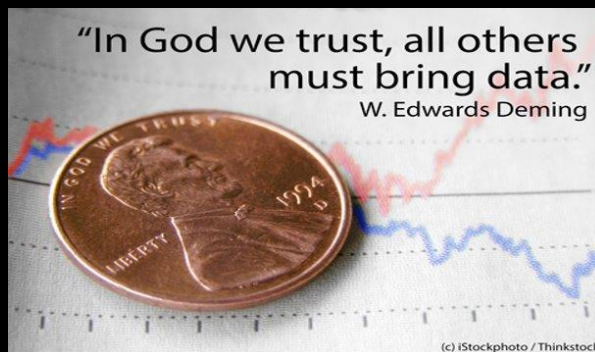
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"What gets measured, gets managed."
Peter Drucker

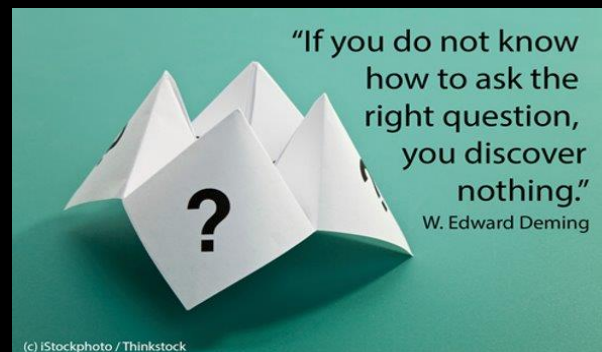
(c) Digital Vision / Thinkstock



**"In God we trust, all others
must bring data."**

W. Edwards Deming

(c) iStockphoto / Thinkstock



**"If you do not know
how to ask the
right question,
you discover
nothing."**

W. Edward Deming

(c) iStockphoto / Thinkstock



**"The goal is to turn data into
information, and information
into insight."**

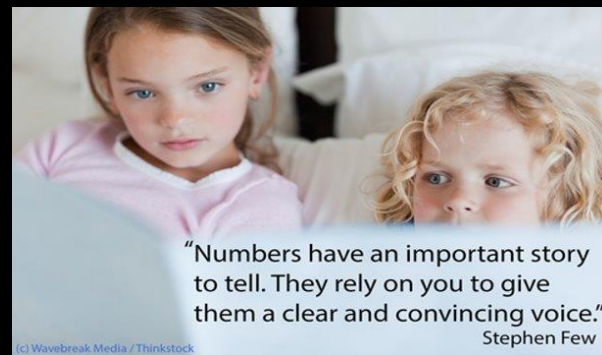
Carly Fiorina

Photo: Getty Images



**"Let us never
consider ourselves
finished nurses ...
we must be learning
all of our lives."**

Florence Nightingale



**"Numbers have an important story
to tell. They rely on you to give
them a clear and convincing voice."**

Stephen Few

(c) Wavebreak Media / Thinkstock



Thank you MedInfo!

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