MEDINFO23

8 – 12 JULY 2023 | SYDNEY, AUSTRALIA

@AskSystemView

Nurses, Data and Analytics

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AIDH IMIA

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 visualistion 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

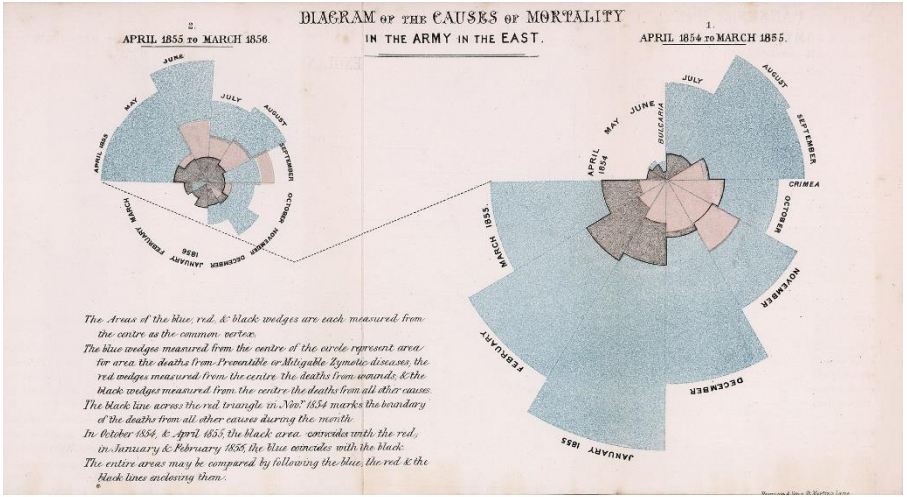


Figure I: Diagram of the Causes of Mortality. Image via Wikimedia Commons

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

Long-term strategy

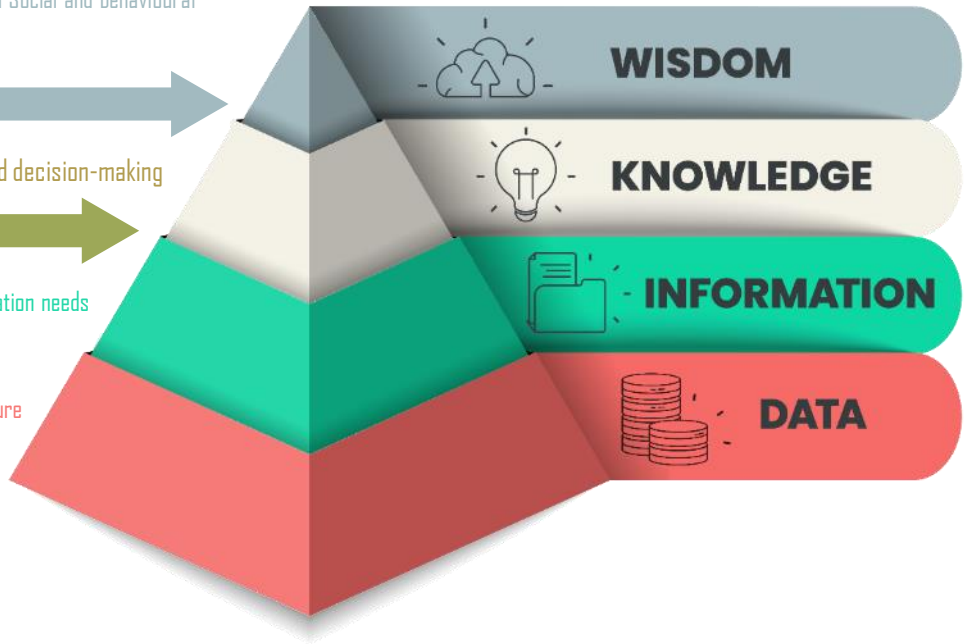
Guide knowledge-based decision-making

Short-term strategy

Meet information needs

Facilitate data capture

Minimize



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Actionable data to help hospitals deliver services

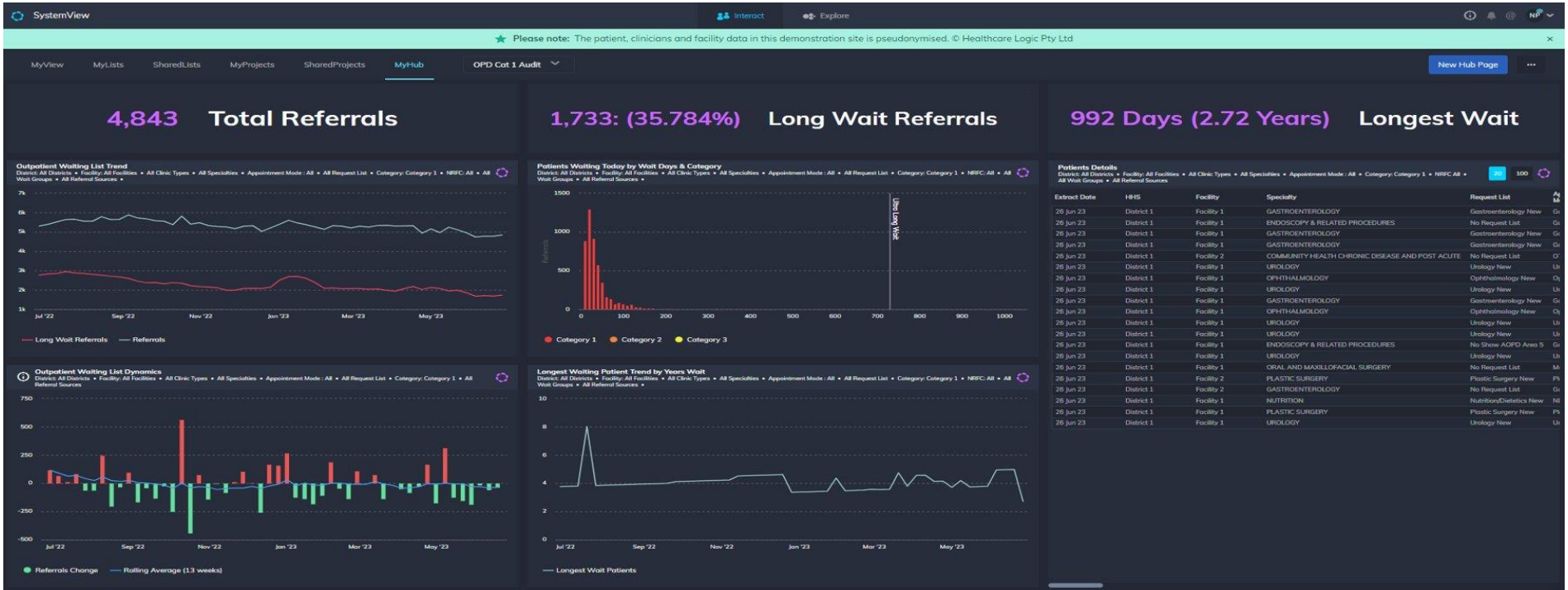
@TheInstituteDH

Managing ED patient flow

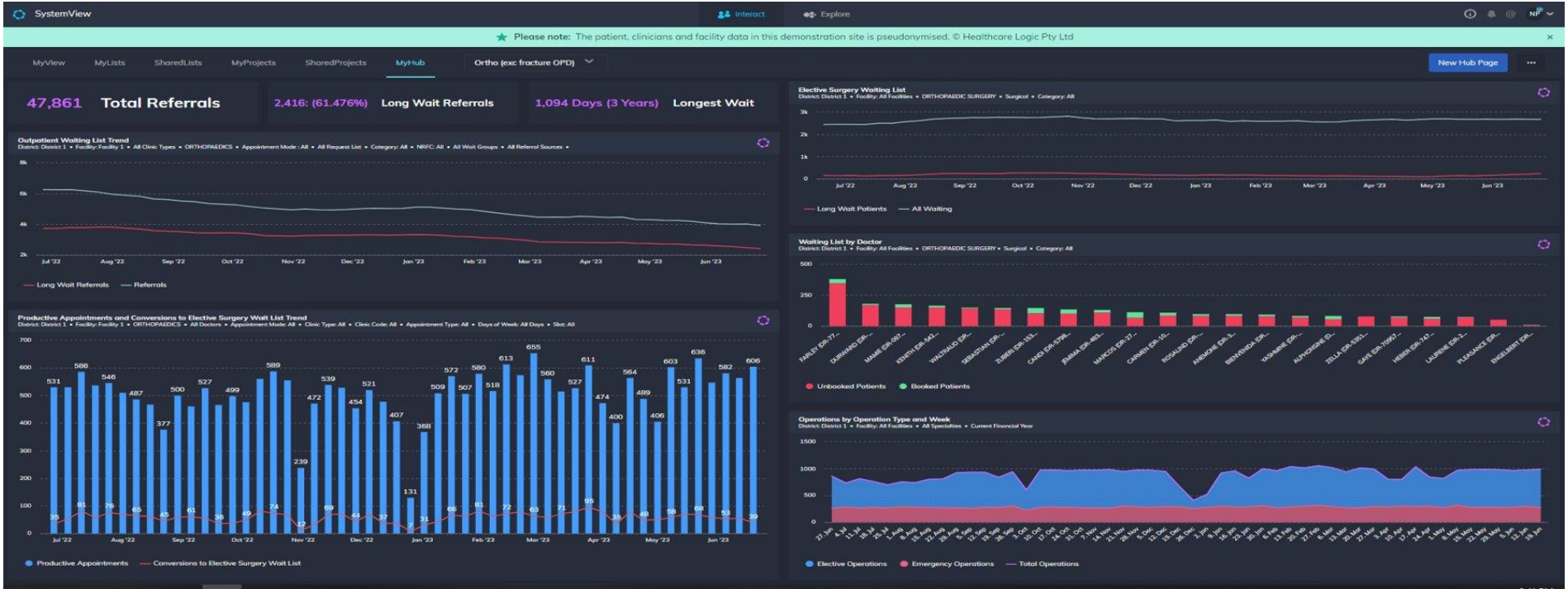
Managing Inpatient flow

Service improvements - Outpatients

Surgical Director Hub – OPD and Surgery



OPD Hub Service Improvement example



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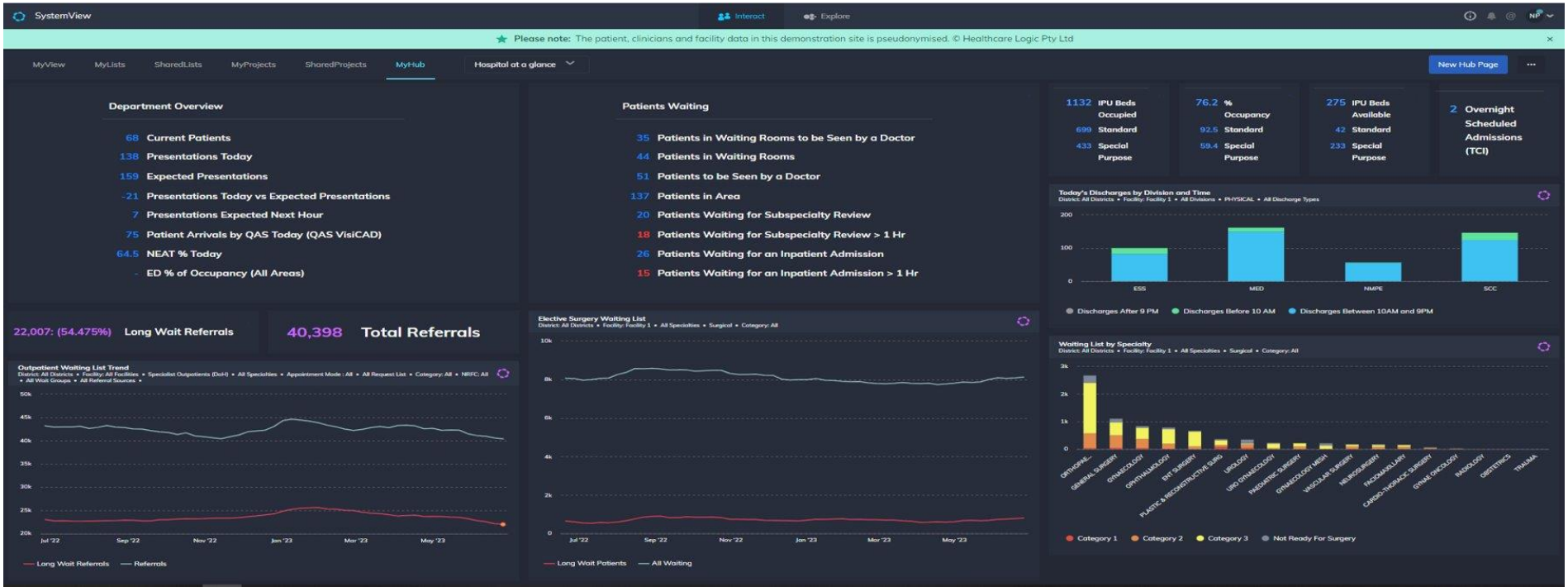
Hospital Overview Hub



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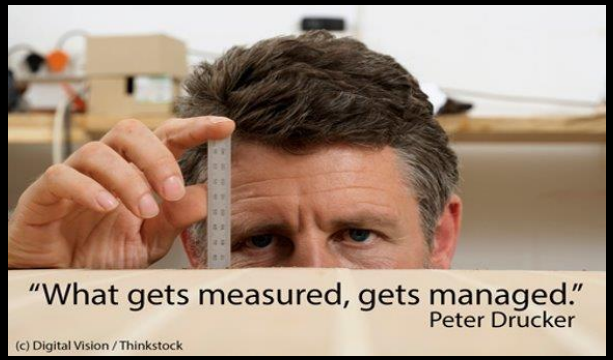

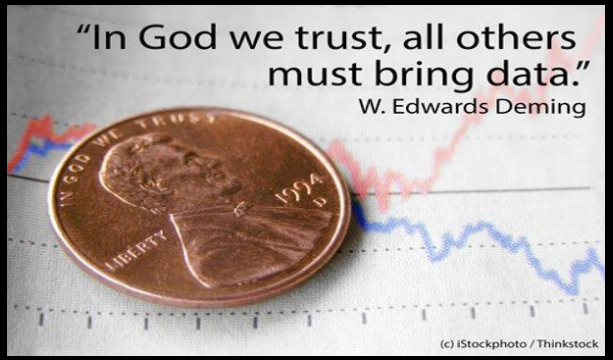

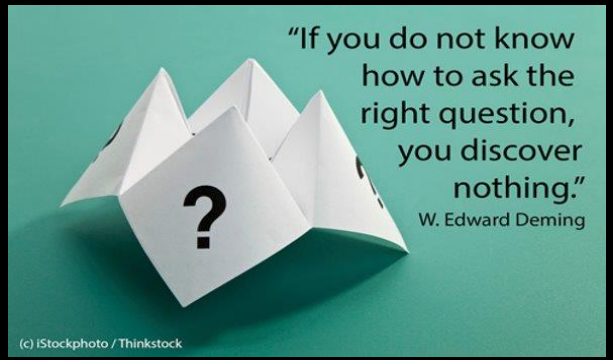

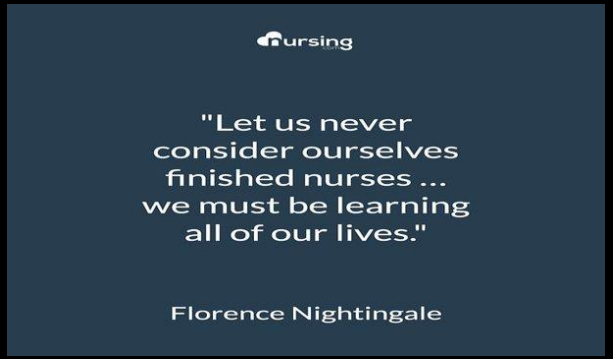

Thank you MedInfo!

For more information:

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