



@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 visualistion diagrams for easier analysis and actionable insights
- In 1859, Nightingale was elected the first female member of the <u>Royal Statistical Society</u>

By Florence Nightingale - https://www.davidrumsey.com/luna/servlet/s/h&xid2, https://doi.org/10.4037/aacnacc2019579

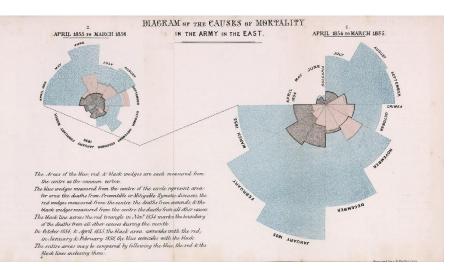


Figure 1: Diagram of the Causes of Mortality. Image via Wikimedia Commons





Nurses and Midwives



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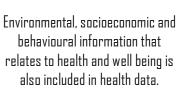
What is Health Data?



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.





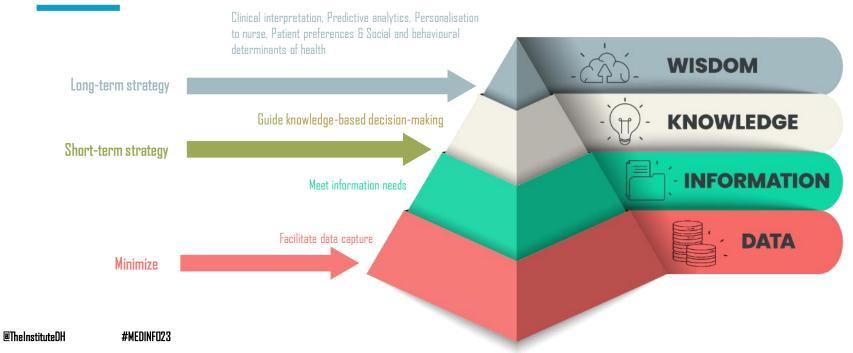


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Transforming data into wisdom







Actionable data to help hospitals deliver services







Managing ED patient flow



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Managing Inpatient flow







Export Export

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Discussion

22 Projects

BB Hub Pages

Service improvements - Outpatients

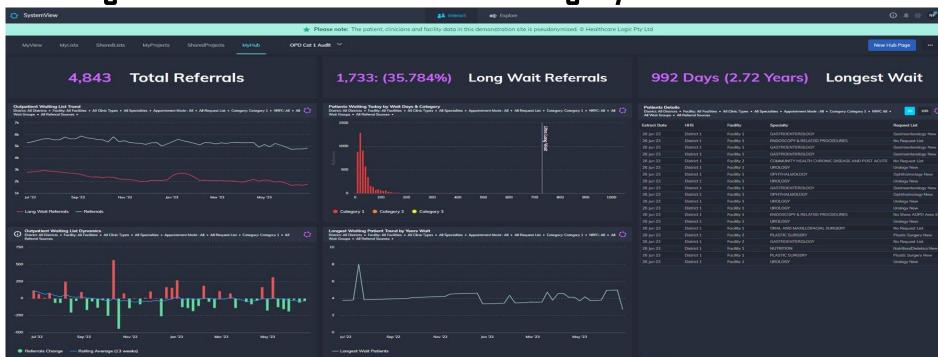
OP Total Waiting (#) and Overdue Waiting (#) by Week · Last 18 months Hospital Group: CALHN, Hospital: All







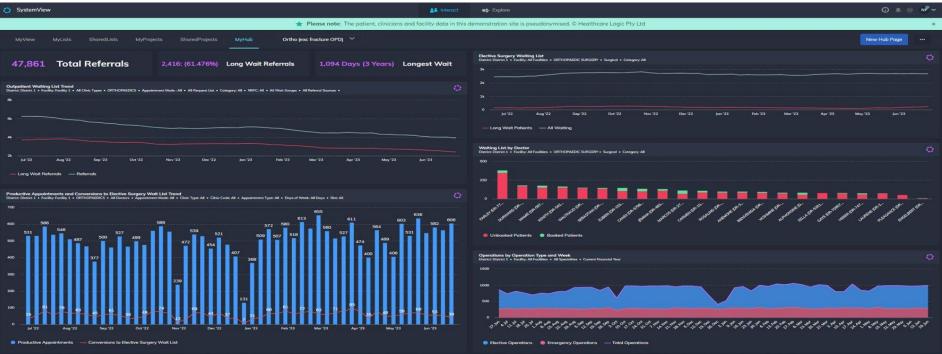
Surgical Director Hub – OPD and Surgery







OPD Hub Service Improvement example







Hospital Overview Hub

SystemView	34 Interact eg: Explore		③ ♣ @ N ^P ~
🜟 Please note: The patient, clinicians and facility data in this demonstration site is pseudonymised. 🕫 Healthcare Logic Pty Ltd 🛛 🗙			
MyView MyLists SharedLists MyProjects SharedProjects MyHub Hospital at a	a glance 🗡		
Department Overview 68 Current Patients 138 Presentations Today	Patients Waiting 35 Patients in Waiting Rooms to be Seen by a Doctor 44 Patients in Waiting Rooms	1132 IPU Beds 76.2 % 275 IPU Beds Occupied Occupancy Available Available 669 Standard 92.5 Standard 42 Standard 433 Special 59.4 Special 223 Special Purpose Purpose Purpose Purpose Purpose	2 Overnight Scheduled Admissions (TCI)
 159 Expected Presentations -21 Presentations Today vs Expected Presentations 7 Presentations Expected Next Hour 75 Patient Arrivals by QAS Today (QAS VisiCAD) 64.5 NEAT % Today ED % of Occupancy (All Areas) 	 51 Patients to be Seen by a Doctor 137 Patients in Area 20 Patients Waiting for Subspecialty Review 18 Patients Waiting for Subspecialty Review > 1 Hr 26 Patients Waiting for an Inpatient Admission 15 Patients Waiting for an Inpatient Admission > 1 Hr 	Toolday's Dischargen by Division and Time Diseast at Diseasts * Fooling facility, 1 + Af Dislaters + PAYSICAL + Af Discharge Types 200 0	
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"What gets measured, gets managed." Peter Drucker



Gursing

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

Florence Nightingale

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

(c) iStockphoto / Thinkstock



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

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



Thank you MedInfo!

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