# Live Data Reporting

An initiative of the MLHD Whole of Hospital and Clinical Analytics Team



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# **Topics**

Curi

When too much data is barely enough

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Dev

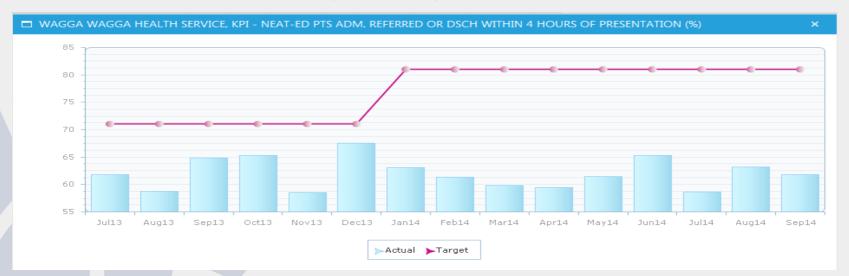


Future Reporting Framework



## Current Focus of ED reporting at WWBH

- What are we trying to achieve? NEAT
- NEAT is really achieving safe and efficient flow of patients through our hospital system and back to the community.
- The objective of the National Emergency Access Target is to progressively increase the percentage of patients whose total time in the ED is within 4 hours to ensure safe, quality and timely care for patients





## Monthly Reporting – KPI Dashboard

- Management / Reporting focus
- Retrospective
- Not Actionable
- Allows identification of Trends, with discussion of what has caused major issues, not achievement of KPI

## Weekly / Daily Reporting – Excel

- Management / Reporting focus
- Retrospective
- Not Actionable
- Provides some relevance to motivation of front line staff



## Manual Reporting process continued

- Extract reports from EMR
- Massage and remove records with errors
- Calculation of NEAT performance in a spread sheet
- Creation of report for local management
- 80hr per week (2FTE) spent state-wide on manual report generation
- How does this assist with safe, quality and timely care for patients?



## **Live Dashboard (POC)**

- Focus on patients still in the hospital
- Provides automated actionable insight into what's happening with our patients
- Provides clinicians with information to more effectively target resources to assist staff to provide safe, quality and timely care for patients.



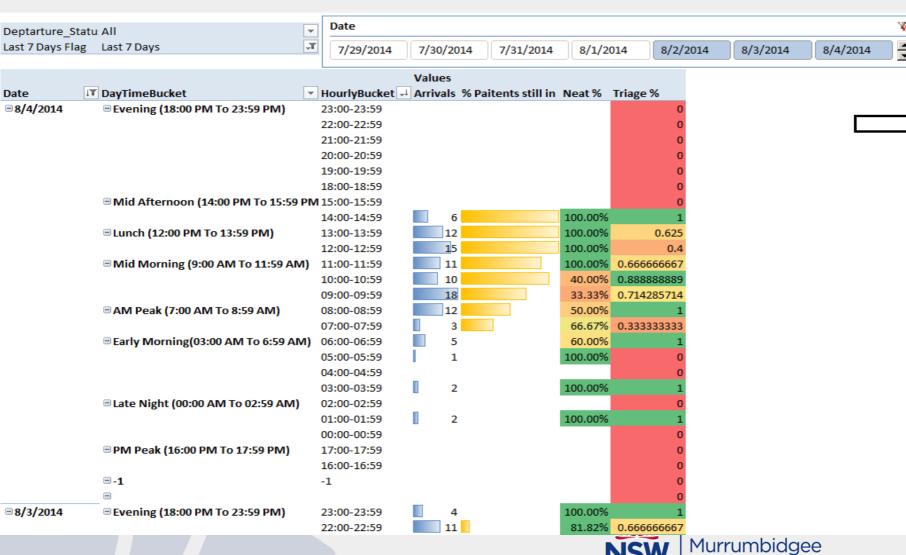


## Live Dashboard (POC) continued

- Automated feed from EMR Proposed, (currently still manual)
- Automated model creation with error control framework for frontline staff (live)
- Calculation of all KPI's automated including trend data
- Live drillable Dashboards and standardised drillable reports
- Upfront development with tools that enable front line staff to ask questions, and get answers in seconds
- This focuses on patients still in the hospital system, while providing a platform for Management reporting and acts as an enabler for safe, quality and timely care for patients (NEAT)

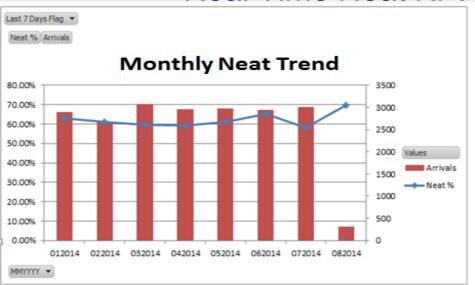


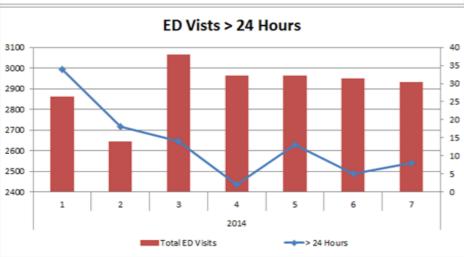
## Example of Current Patients in WWBH ED (by Hour)

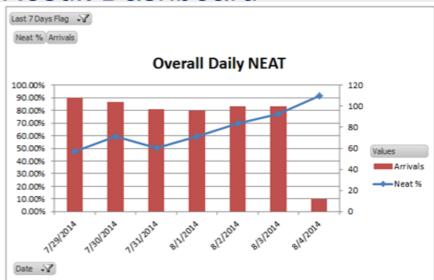


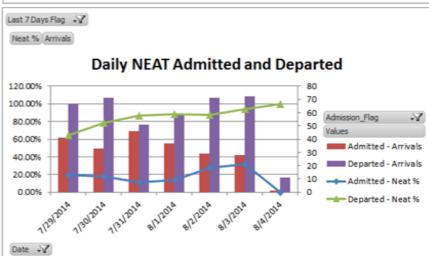
Local Health District

#### Real Time Neat KPI Result Dashboard









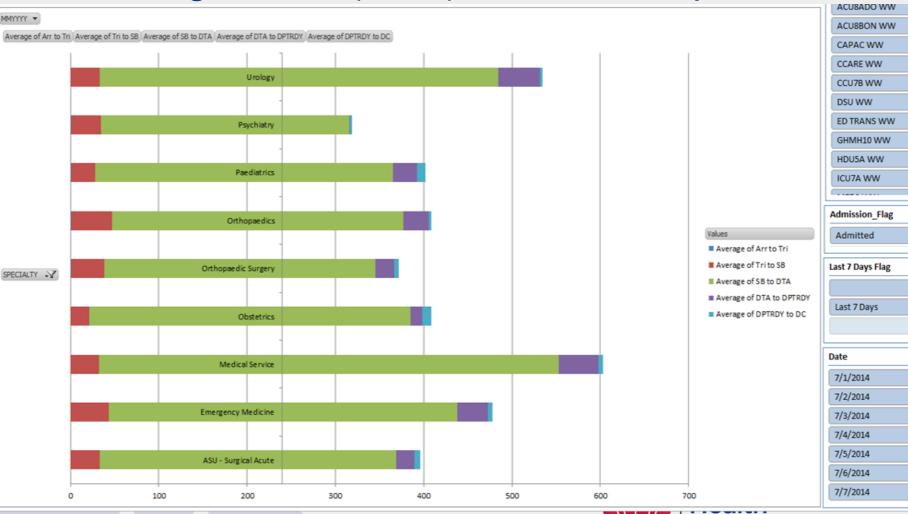


### Monthly Neat by admitting specialty trend



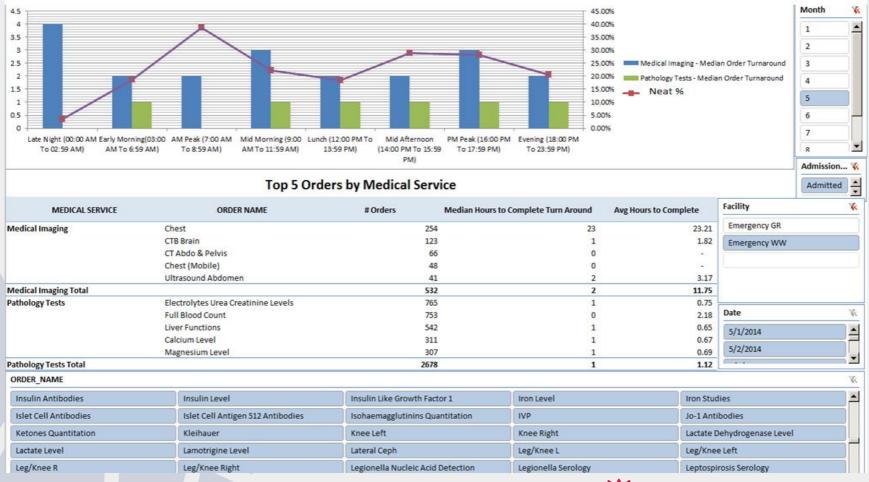


## Average times (mins) for admitted patients





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## Future proposed Framework

- MLHD would like to be able to access all data as close to "live" as possible
- The data would include all parts of the records, not just the fields relevant to KPI's
- Data would be modelled to allow ease of reporting and interrogation
- Data would be able to be integrated into any toolset that the district /individual user is conformable using.



#### Real Time Whole of Business Data Store

