Strengthening Multidisciplinary Team Performance in Cancer Services in WSLHD: Three Years' Experience



Yiren Liu¹, Brendan Donovan¹, Terence Kwan², A/Prof Lynleigh Evans¹, Prof Paul Harnett¹ 1 Sydney West Cancer Network, Western Sydney LHD 2 The University of Sydney, Faculty of Engineering and IT (FEIT)



Background



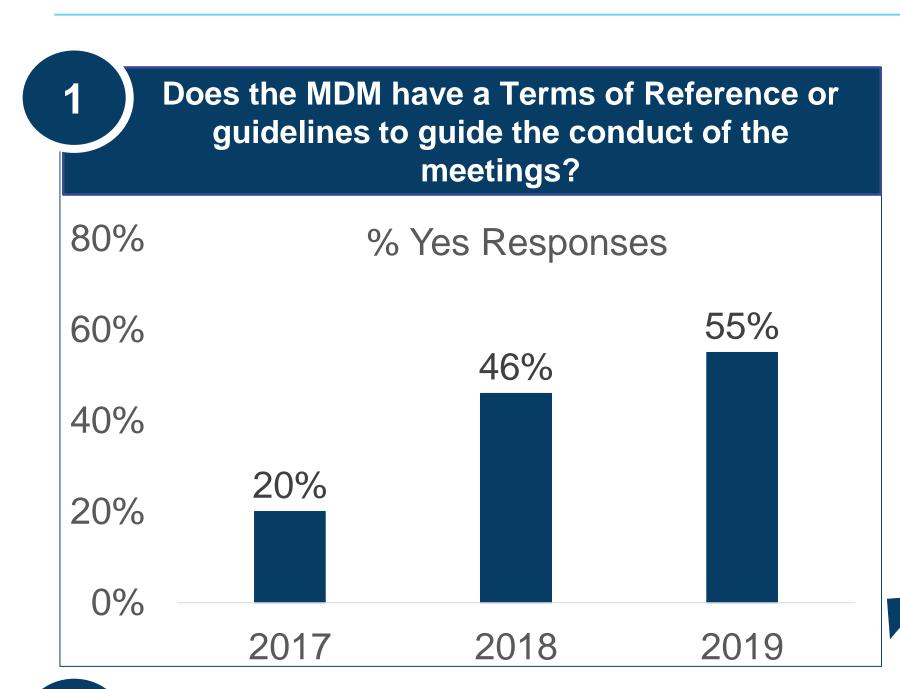
WSLHD Cancer Health Services Research Team have developed two tools used for the assessment of performance of multidisciplinary teams (Tumour Programs). Both measure team perceptions. The first is a survey of the individual's perception of team performance and the second is a maturity matrix developed in collaboration with the USYD Faculty of Engineering and IT (FEIT).

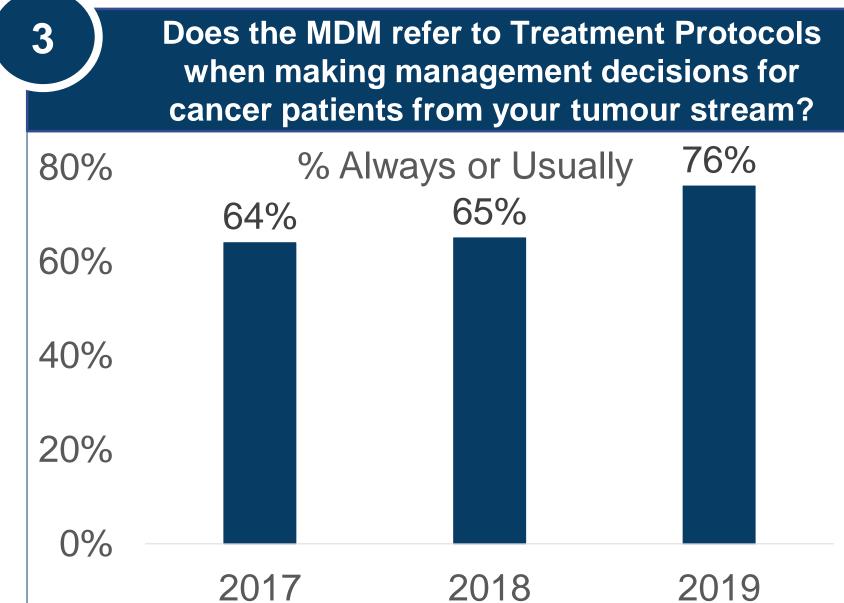
This poster focuses on the survey. The survey commenced in 2017 with data collected via an online survey. The survey questions were developed following a multidisciplinary workshop and reflects key indicators of successful MDT performance.

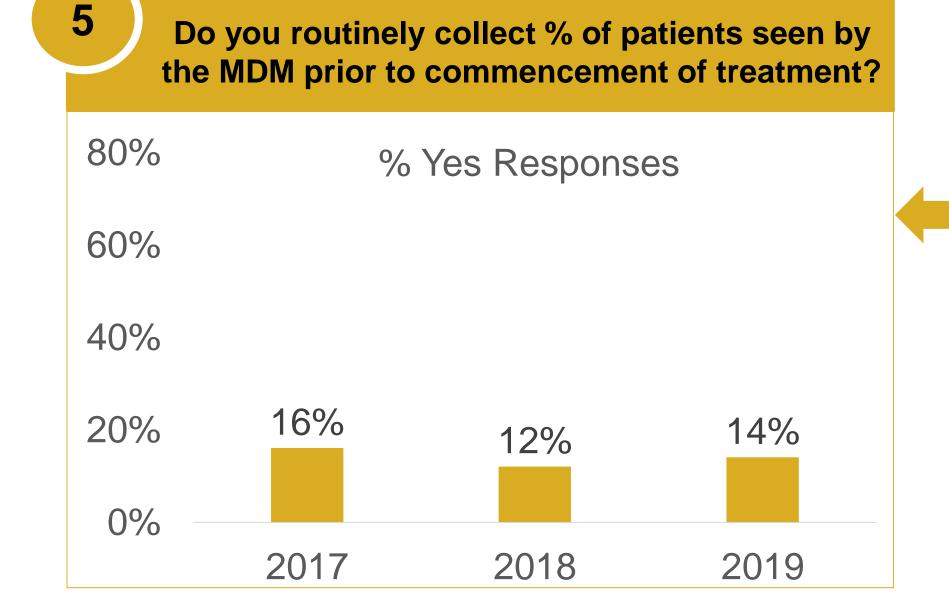
Methodologies

In 2017, an online survey, adapted from a methodology utilised by Rankin et al., was used to assess members' perceptions of their team's performance over multiple domains. This was delivered via the online platform, SurveyMonkey and analysed using the inbuilt data analysis software. Adjustments were made to the survey to reduce the number of, and clarify some, questions. 18 questions remained consistent and have been analysed across the three years. The number of surveys collected were 129 (2017), 118 (2018), 146 (2019).

Results







Between 2017-2019 61% (11/18) of questions showed improvement

Between 2017-2019, the percentage of respondents giving positive responses to questions:

 "Does the MDM have Terms of Reference or guidelines to guide the conduct of meetings?" increased from 20% to 55% (p-value <0.001)

2. "Are there established criteria to determine which types of patients should be referred to the MDM?" increased from 33% to 55% (p-value <0.001)

3. "Does the MDM refer to Treatment Protocols when making management decisions for cancer patients from your tumour stream?" increased from 64% to 76% (p-value = 0.001)

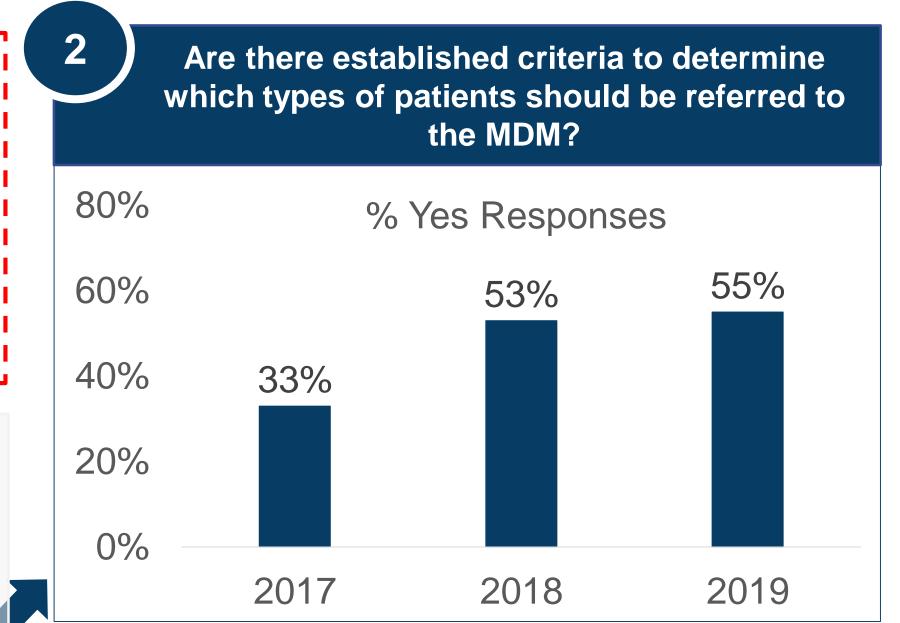
4. "Is there a follow-up process to check whether referrals are actually made?" increased from 18% to 30% (p-value = 0.003)

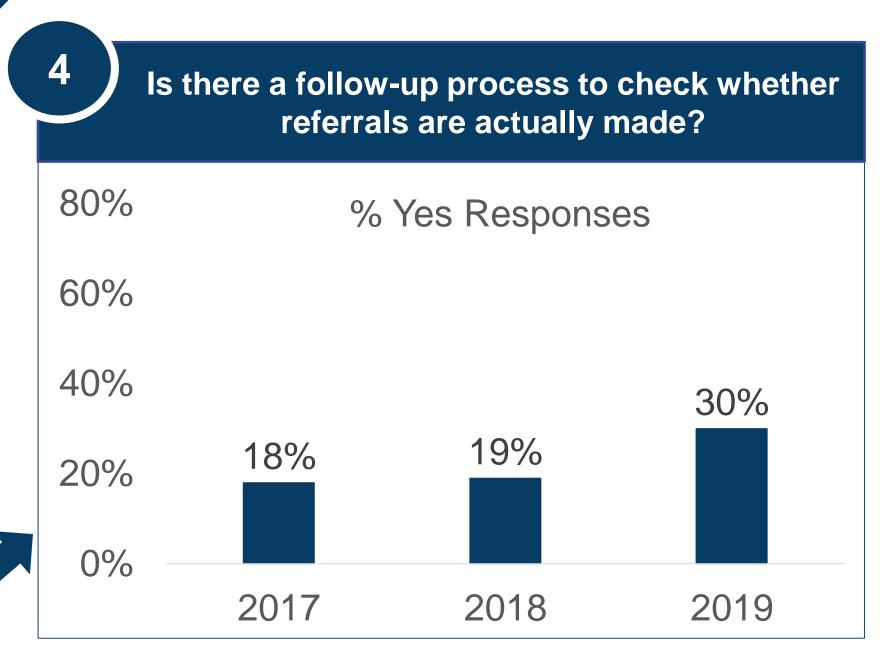
BUT

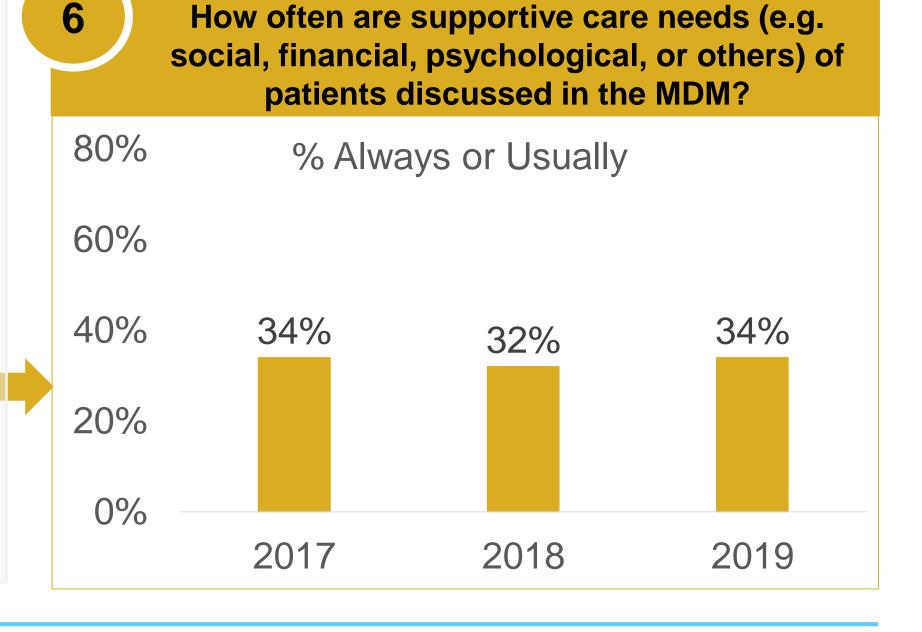
5. Do you routinely collect % of patients seen by the MDM prior to commencement of treatment?"

and

6. "How often are supportive care needs (social, financial, psychological) of patients discussed in the MDM?" were unchanged







Conclusion

- An annual member survey can support team engagement and performance improvement in MDTs
- Majority of indicators surveyed showed improvement
- Some indicators have not improved and need further investment

Next Steps

- Further statistical analysis of 2017 2019 survey data
- Formal feedback of their results to all Multidisciplinary Teams
- Implement the maturity matrix to supplement the survey



Contact

Dr Lynleigh Evans – Senior Medical Advisor, WSLHD Lynleigh. Evans@health.nsw.gov.au

AcknowledgementsWestern Sydney Local Health District

Sydney West – Translational Cancer Research Centre
Cancer Institute NSW – grant for Brendan Donovan
Sydney West Radiation Oncology Network

University of Sydney, Faculty of Engineering and IT

