

Pharmacist led ordering of fasting metabolic monitoring tests in mental health: ongoing surveillance

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Introduction

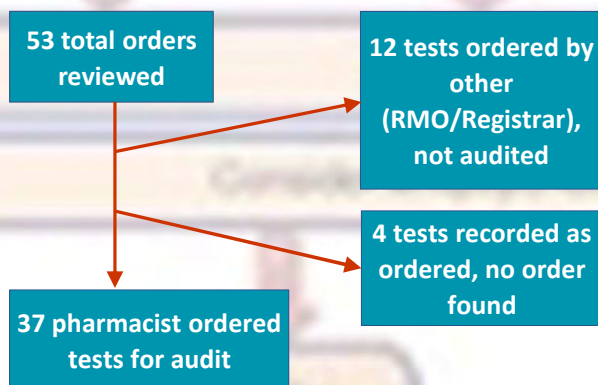
- Patients treated with antipsychotics risk weight gain, dyslipidaemia and diabetes, increasing cardiovascular risk¹
- To improve metabolic monitoring, mental health (MH) pharmacists order lipid profile & glucose level pathology tests
- Inpatients on the acute adult mental health ward are screened on admission with orders placed for weekly collection
- Ongoing audit of pharmacist pathology test ordering is completed in accordance with local guidelines

Aims

- Ensure MH pharmacist-initiated pathology test orders are completed correctly & are appropriate
- Ensure returned test results are reviewed in a timely manner
- Ensure abnormal test results are reviewed by the ordering MH pharmacist and actioned as necessary

Methods

- Retrospective audit of 37 MH pharmacist-initiated fasting pathology tests ordered between 10th May and 28th June 2022



- Patients identified from weekly ordering spreadsheet
- Data collection per Clinical Audit Allied Health Pathology Testing
- 8 orders audited per MH pharmacist, 5 pharmacists audited
 - Only 5 orders available for one pharmacist

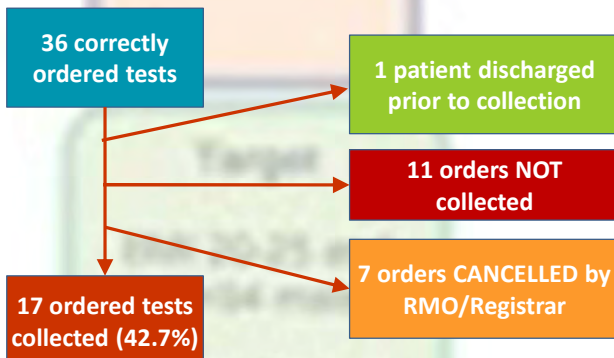


Figure 2: Ordered pathology test collection results

Reference

1. Royal Australian and New Zealand College of Psychiatrists. Keeping Body and Mind together: Improving the physical health and life expectancy of people with serious mental illness [Internet]. Melbourne: Royal Australian and New Zealand College of Psychiatrists; 2015. 44 p.

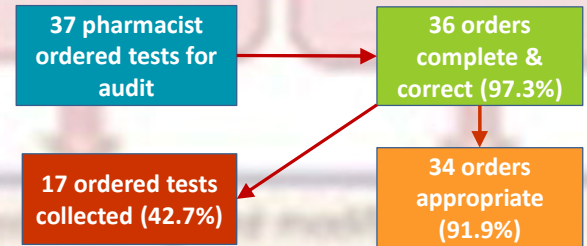


Figure 1: Pathology test order completion results

Results

- Pathology test order completion – see **Figure 1**
- Ordered test collection outcomes – see **Figure 2**
- 15 test results available for review & follow up:
 - 53.5% results reviewed in a timely manner (8/15)
 - 46.5% results not reviewed in a timely manner (7/15):
 - Due to: split ward cover (6), work load (1)
 - 80% results followed up appropriately (12/15)
 - 20% results not followed up appropriately (3/15):
 - Review required, +/- consideration for statin; referred on to treating team

Conclusion

- Lower than expected completion of ordered tests
- Audit results used to re-engage stakeholders, reduce order cancellation rates, increase collection rates & decrease time to review & follow up
- Order process modified & work unit guideline updated
- Ongoing audits required