

# Robotics in Healthcare

**Jennie O'Hare**  
**Assistant Director of Pharmacy**  
**Gold Coast Health**

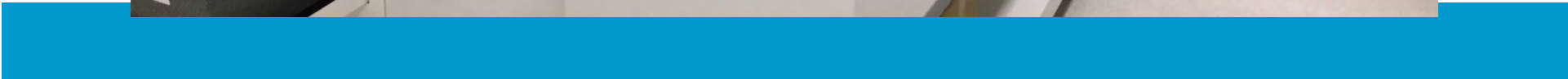


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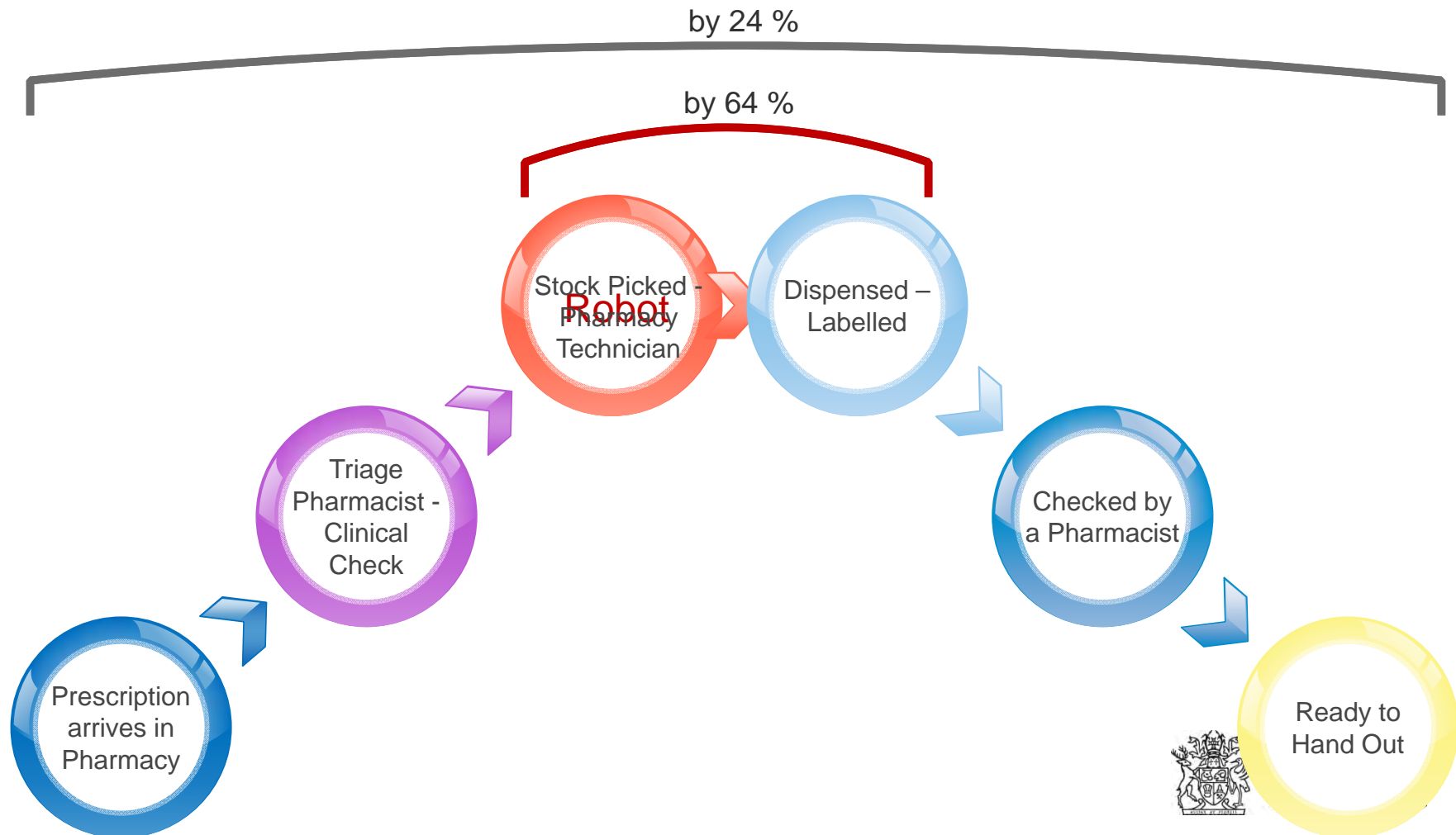


- Whole pack storage and retrieval
- 4000 packs per metre
- Picks 360-720 packs per hour





# Outcomes





## Other outcomes

- Reduced inventory holding by 7.5%
- Less stock discrepancies
  
- Release 0.5 FTE of pharmacist time
  - Ward based clinical role
- Release of pharmacy support staff
  - Role redesign opportunities

Workforce Redesign



01

Pharmacy Technicians in the Dispensary



02

Pharmacy Technicians supporting Pharmacists on Wards



03

Pharmacist with Patients in clinical areas





## Further integration

- Linking to automated medication cabinets
  - Send a refill message
  - Robot picks stock
- Electronic prescribing and administration
  - Link to pharmacy system
  - Robot picks stock





# Challenges and Barriers



- Technology Centric
- Clinicians work around the system





## Challenges and Barriers

- Clinicians supported by technology
- Patient care and outcomes enhanced by technology
- Innovation





## Summary

- Better medication management
- Enables workforce redesign
- Pharmacist more time with patients, medical and nursing staff

