

Equity with Hybrid Systems by focusing on HIGH safety and quality to BRIDGE training gaps

Sonia Cuan, Deirdre D'Souza & Jacqueline Yuen

Westmead Cancer Care Pharmacy, The Crown Princess Mary Cancer Centre Westmead, NSW Australia



Health
Western Sydney
Local Health District

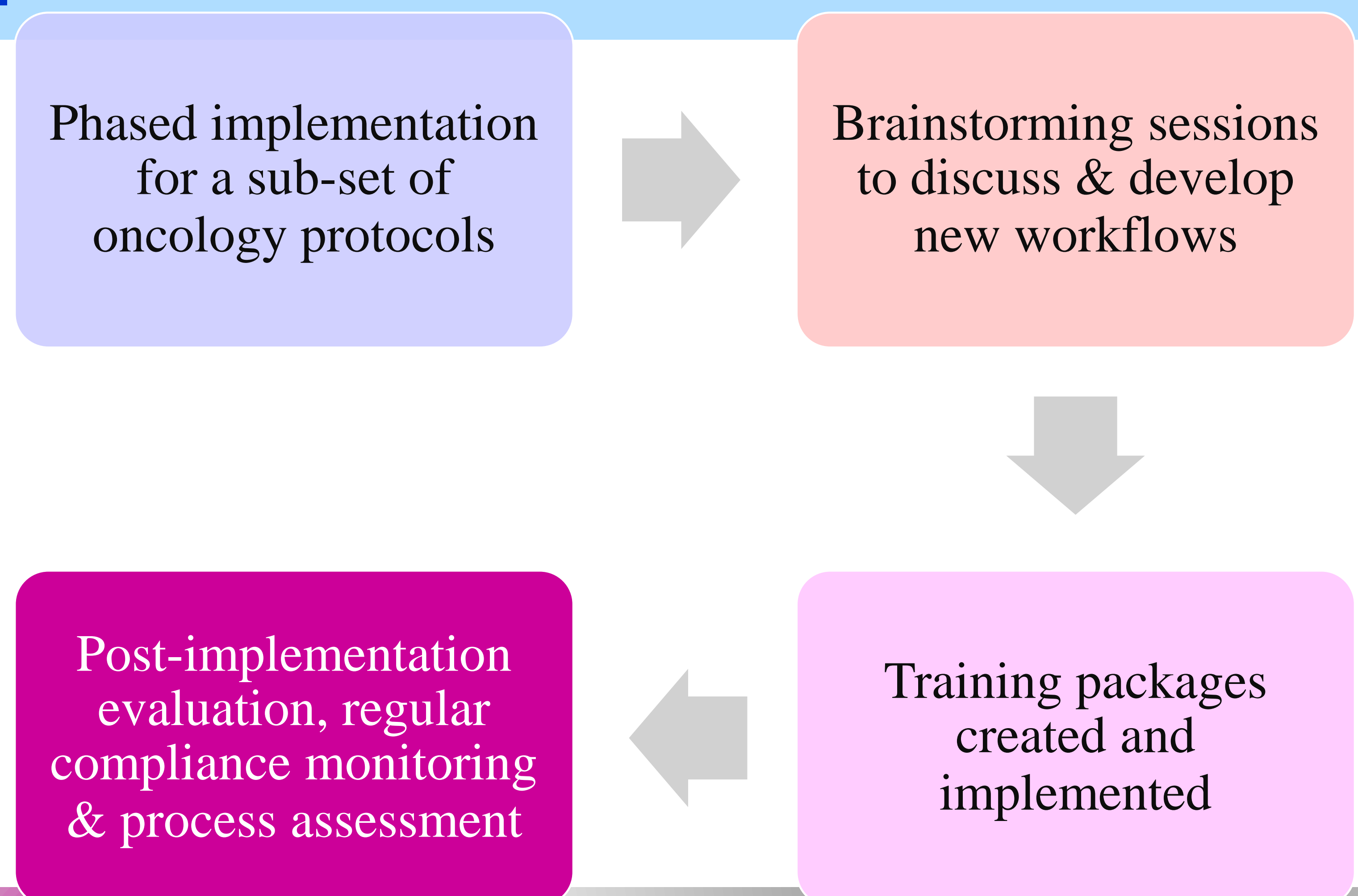
Background

Delivery of accurate, evidence-based cancer treatments ensures equity of therapeutic outcome. Pharmacists should be trained and credentialed in verification of doses and treatment protocols, ensuring all modifications are clinically appropriate. Our in-house accreditation program established a decade ago required updating as phased implementation of electronic prescribing (e-prescribing) through an Oncology Management Information System (OMIS) led to hybrid workflows.

Aim

- To maintain a high quality, safe and effective pharmacist verification process.
- To ensure early identification and mitigation of risks.
- To monitor adherence to safe practices.

Method



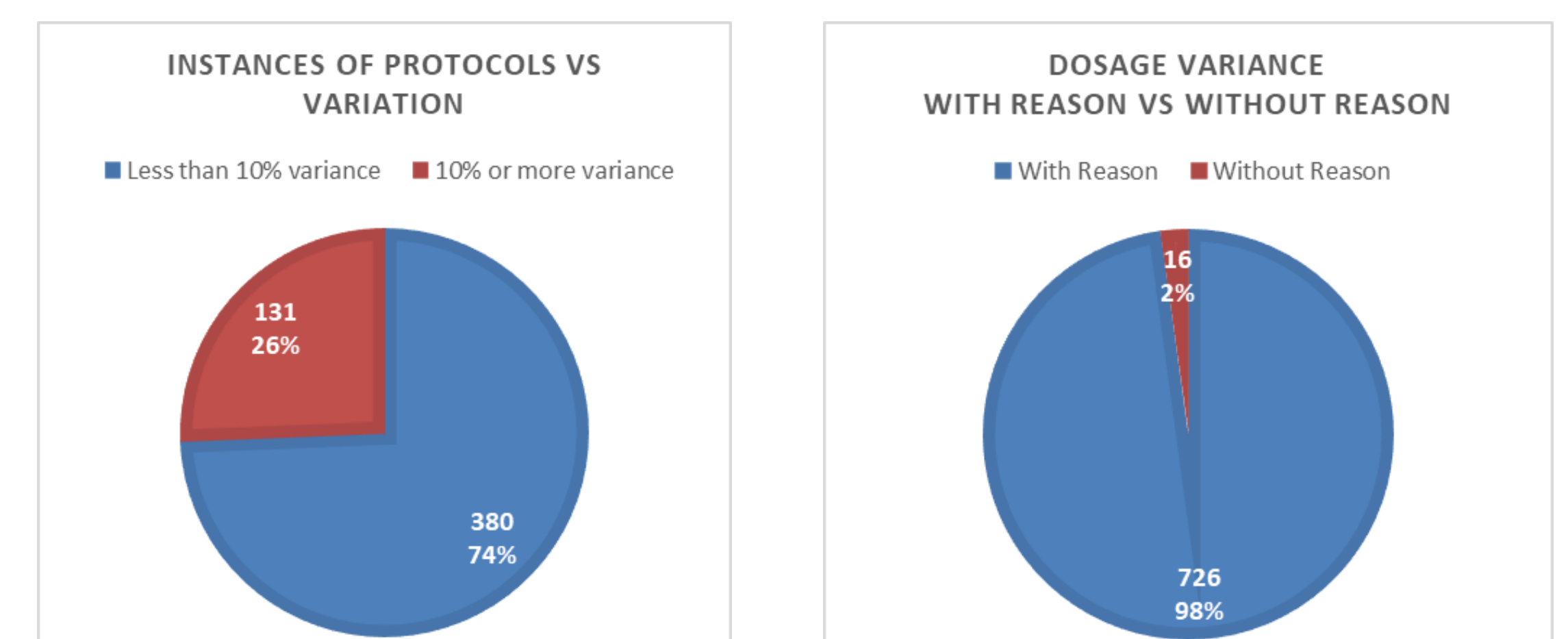
Results

- ✓ All pharmacists trained & accredited on the new workflows
- ✓ 5 'How-To' guides to mitigate key risks identified
- ✓ >87% adherence on all prescription verification criteria (Table 1)
- ✓ 2% of prescribed dose variations >10% without reason (Figure 1)

Table 1
Pharmacists' adherence of prescription verification criteria

Prescription verification audit	Average adherence
Criteria 1 Protocol match diagnosis	100%
Criteria 2 Dose/protocol modification documented	100%
Criteria 3 OMIS dispensed, paper order signed	94%
Criteria 4 Endorsement complete & clear	87%
Criteria 5 Patient parameters reviewed	100%

Figure 1
Single site dosage variance report of e-prescribing in OMIS between Mar19 and Aug19



Conclusions

Hybrid paper and e-prescribing operational systems created challenges for maintaining and monitoring the quality of cancer treatment verification by pharmacists. Cancer medication management is a collaborative responsibility for medical, pharmacy and nursing clinicians. Clinically appropriate dose modification may be warranted for individual patient circumstances to ensure an equitable therapeutic outcome. Adherence to verification processes by pharmacists assists the delivery of high quality and safe patient care.