# Reducing Unnecessary Routine Bloodwork at Vancouver General Hospital

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# BACKGROUND

Standing daily bloodwork in clinically stable patients is unnecessary and is associated with:

- latrogenic anemia
- Poor patient experience
- ① length of stay
- ① morbidity & mortality

A multidisciplinary team consisting of representatives from internal medicine, hospitalist medicine, laboratory, quality, and data analytics examined the appropriateness of routine bloodwork at Vancouver General Hospital (VGH).



## HOW MUCH IS TOO MUCH?

of patients had >14 consecutive days of daily bloodwork.

Longest consecutive run of daily bloodwork was 125 Days

Patients with daily lab orders had no \$\Pi\$ in bloodwork frequency as they approached their discharge date.

Chart review revealed that daily orders were renewed on stable patients without clear directives from providers.



#### WHY? A DEEPER DIVE

- Daily bloodwork was the default option on most order sets.
- Bloodwork orders were often interpreted/assumed as daily orders by unit coordinators.
- Providers commonly lost track of bloodwork frequency.
- Daily bloodwork may be ordered by trainees to avoid "missing" clinical instability.



# CHANGING CLINICAL PRACTICE

Educational posters + presentations

Implement site-level policy to limit daily bloodwork orders to 3 days

Build forcing function in electronic health records to prevent daily orders >3 days

Short

Term

Medium Term

> Long Term



### KEY LEARNINGS

Engage broad disciplines for feedback, input and buy-in, but keep a core team to maximize efficiency.





Small-scale chart auditing is sufficient to reveal key issues; analyzing system datasets is a greater undertaking but helps assess system-level impact and scalability. A hybrid approach is often needed.

Unit coordinators are key to planning and implementation.





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