

MINIMAL BLOOD SAMPLING 2019

A snapshot audit of cumulative blood volume sampling to identify risk of iatrogenic anaemia. See full report at: bit.ly/BMauditreports



BACKGROUND

Repeated blood sampling can lead to iatrogenic anaemia.

Preventing iatrogenic anaemia could reduce the need for transfusion/intervention.



LITERATURE

For every mL taken there is a **decrease** in Hb of **0.7g/L**.²



Clinically significant changes occur between **6.6–10g/L** (equivalent of **94–143mL**).



OBJECTIVES

Identify policies and practices occurring in health services aimed at **reducing** iatrogenic anaemia.

Assess **total** blood volume taken from patients for **sampling**.



RESULTS



2% [1/43] health services have a policy to **mimimise blood** sample collection.

53% Implementation of **minimal blood** sampling has not been considered.



35% Perceive small **volume** tubes are either unsuitable/unavailable.

21% **Barriers** are unknown.



METHOD



Online **audit** of **136** health services in **4 jurisdictions**

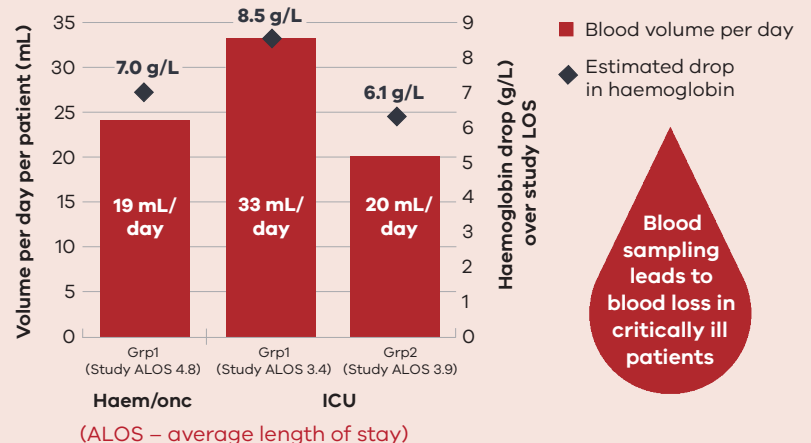


1 August to 20 September **2019**

Response rate:

Policy n=43  **32%**

Practice¹ n=27  **20%**



CONCLUSION

The results show that there is potential for iatrogenic anaemia to develop in high acuity areas. Health services should regularly review and monitor phlebotomy practices.

¹ Practice – audit measuring daily blood volume loss through blood sampling

² Thavendiranathan P, Bagal A, Ebida A, Detsky AJ, Chaoudry NK (2005) J. Gen Med., Vol 20, pp520-4

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