

Implementation of a **Closed-Loop Notification System for** Significant Abnormal Results to **Improve Patient Safety & Care**

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Aim 1

Critical results require timely communication to the clinicians to help ensure appropriate intervention is carried out. An existing policy in Singapore General Hospital (SGH) governs the immediate notification of critical results (Panic Values). For significant abnormal results that do not require immediate communication, early intervention or action may still be required to prevent adverse outcomes. As such, to ensure patient safety and enhance clinical quality, a Critical Results Management (CRM) team was formed to manage the closed-loop notification of significant abnormal radiology and histopathology results.

Methodology



Results Finalization Results are finalized by eporting departments, i.e Department of Diagnostic Radiology (DDR) & Department of Pathology.



1st Notification Email

CRM team sends 1st ification email to Ordering linician & Consultant-in-charge on significant abnormal radiology & Cli histopathology results



Closed- Loop Notification

Notification loop is close when an email response received from either of th



Radiology Results patient & Emergency Cases)

For inpatient and emergency cases, the team dispatched hardcopy reports of significant abnormal radiology results to the y diştrik



1st Reminder Email

The CRM team sends a reminder email to the Ordering Clinician and ere is no response



Escalation Process

An escalation process is in place to ensure that the notification loop of any outstanding unacknowledged results is closed.

Within **21** Calendar Days

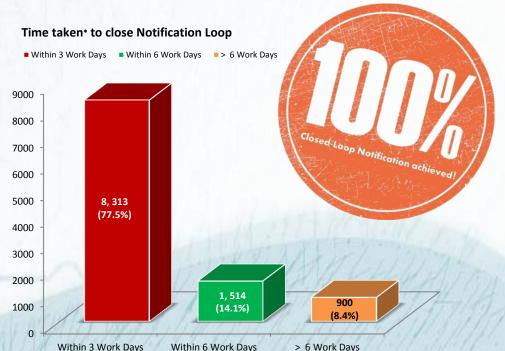
Results

tion system was implemented in phases as follo

Conclusion

- Radiology Results (November 2012)
- Histopathology Results (November 2013)

As of 31 May 2014	Total Number of Emails Notifications sent
Significant Abnormal Radiology Results	9, 284
Significant Abnormal Histopathology Results	1, 443
TOTAL :	10, 727



Within 3 Work Days

* Statistics shown is from date of implementation till 31 May 2014

The CRM team helped to improve management of significant abnormal results that do not fall within critical values but still require timely attention by the clinicians to ensure appropriate intervention for optimal patient care.