

Risk Mitigation for Patient Safety on duplication of Medical Records

RESULT



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INTRODUCTION

Department of Document Management Services (DDMS

DDMS supports the hospital's operations in a range of services relating to patient's medical records.

The major services are retrieval of medical records, clinical coding, medical reports processing, archival of medical records and patient bio data merging. We also ensure that all patients' records & information are confidential.

BACKGROUND

Duplicate Medical Records – Patient Safety Issues

Every Month we are receiving duplicate medical records from users and we have spend a lot of time on checking the system (for its last locations) and tracing back the old records (existing old record) for merging ..

What effect do duplicate medical records have on patient safety?

It may seem like the most innocuous of errors, creating duplicate medical records could jeopardizes patient safety, patients could be mistreated with missing or incorrect information in their medical records causing unintended injury or illness.

OBJECTIVE

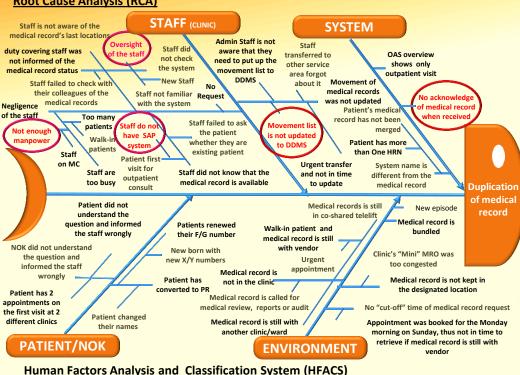
Managing Medical Records

To ensure that the information of patient's medical records is readily available for doctors. To prevent duplication of patient's medical records and ensure patient's safety

METHODOLOGY

The team brainstormed and the tool used to identify the 5 major causes is the Cause and Effect (Fish bone diagram). The findings revealed that majority of causes are contributed by human factors. Thus, the team decided to mitigate the situation by adopting Human Factors Analysis and Classification System (HFACS).

Root Cause Analysis (RCA)



Human Factors Analysis and Classification System (HFACS)



Perceptual Errors

- **Environmental Factors**
- ✓ Physical Enviror
 ✓ Technological F ical Enviro
- Condition of Operators
- √ Adverse Mental State
- ✓ Adverse Physiological State
 ✓ Physical/Mental Limitation
- **Personnel Factors**

Intervention Assessment (FACES)

✓ Crew Resource Management✓ Personal Readiness

- **UnSafe Supervision:**
- ✓ Plan Inappropriate
- √ Fail to Correct Known

- ✓ Supervisory Violation

We conducted an intervention assessment (FACES) to ensure intervention strategies are directly target the underlying

HFACS Level 4:

- **Organisational Influences**
- ✓ Resource Management

✓ Organisational Climate √ Operational Process

Before Implementation Start Medical records will be returned to DDMS via 3 modes of entrie AGV, Telelift and Porter/staff Receive and compile Search for Segregate Yes Merge into Retrieve of New New patient's new/existing the old Patient? record? ecord in the medical record record system records Affix HRN, generate new document Inbound and Filing Medical records will be returned to **After Implementation** AGV. Telelift and Porter/staff Receive and New Search compile Patient? for Yes patient's Segregate Retrieve Merge New record in Affix HRN, generate new / into the record? existing old the old system number and affix medical record record medical record label records Yes 🕌 No Inbound and Filing and FACE.

CONCLUSION

What we have Achieved

Patient Safety With every new record is checked and feedback, the additional HFACS intervention strategies has strengthened the Patient Safety.

HFACS Level 1 resolved: Safe Acts

Unsafe Acts were mitigated with adequate training, timely counseling and couching from the respective clinics' NMs/NCs, thus staff are equipped with better Skill-Based, right Decision encouraged, and correct perception when carrying the task.

HFACS Level 2 resolved: Preconditions for Safe Acts

Preconditions for Unsafe Acts were transformed to safe Act through collaboration with Clinics' NMs/NCs via active communications, coordination, planning and teamwork to the clinics staff.

HFACS Level 3 resolved : Safe Supervision

This constant reminding and close supervision raises the patient safety awareness and staff vigilance, minimise further duplication of folders to an acceptable level. The new process promotes better team work and improve morale among colleagues.

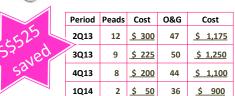
Staff Morale

Better staff morale, collaboration and resources saved (\$), with less duplication of folders

The average estimated cost of a duplicate record is 5525.

If the records aren't reconciled, the costs are even higher.

<u>Time</u> lost by a patient and provider is often overlooked as a consequence of duplicate records.



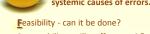


on duplication of medical records for Paediatric and O&G patients respectively

Sustainability and Spread...

HFACS Level 4 resolved : Organizational Influences

To transit from paper-based health care records to scanned medical record (SMR) to document imaging and conversion of patient records management systems. Scanned (forward scanning) files will be in digital format, so as to enhance the flexibility of record tracking, maintaining, accessing, and securing these valuable medical records and promote better patient safety.



Acceptability - will staff accept it? **C**ost - can we afford it?

Yes! Is quite easily done. Yes! Staff accepted the additional workflow.

Yes! We can afford it. Yes! It will work and patient safety risk is adequately-controlled.

Sustainability - will it last? Yes! Is sustainable and can be enhanced with system enhancement.