



Use of Electronic Health Documentation to Enhance Accuracy in Documentation

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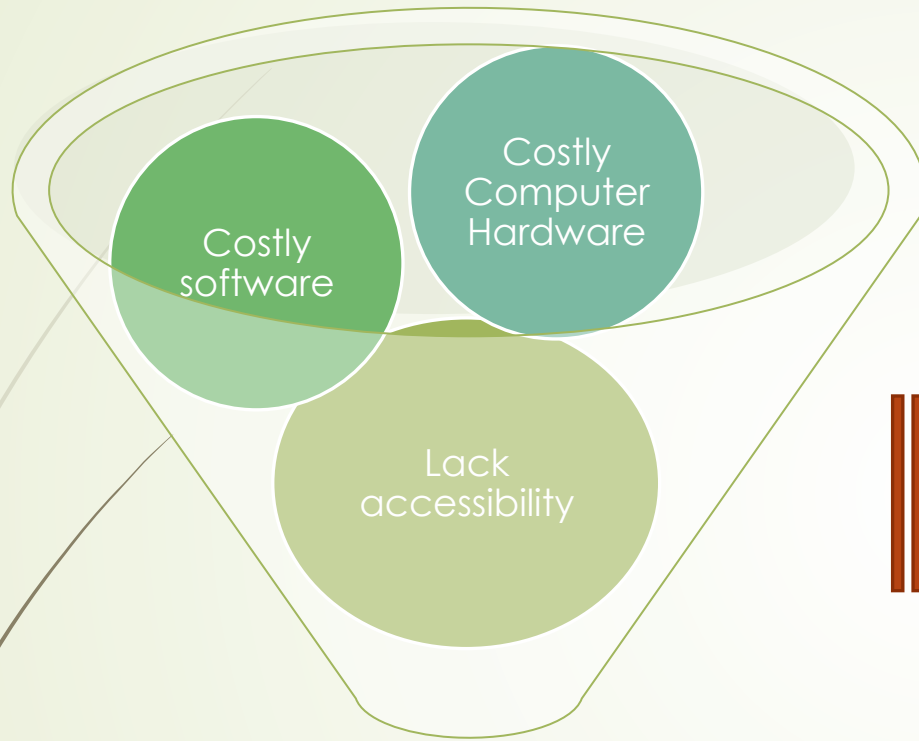


OUTLINE

- BACKGROUND
- PURPOSE OF THE STUDY
- METHODS
- ANALYSIS

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- CONCLUSION





Absence of EHD in the Pedagogy

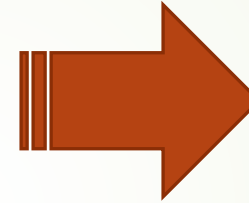


CURRENT APPROACH



AIMED AT

Integration of Healthcare Informatics



Effective student's learning



Impact in the delivery of care



Looking back



Google images

Lack of confidence

Limited Access

Difficulty integrating paper based

Longer time in entering patient data

Staff has no sufficient time to facilitate



Google images

Develop an EHD



- Custom built --
- Easy to use --
- Similar function --
- Cost effective --

PatientLists - ITE Nursing Console Version 0.1

Centre for Healthcare Simulation Training

Name: Bonito, Elvis NRIC: S1234567F Birthday: 30-Jan-78 Height: 170 BSA:
Hosp / Ward: JGH Allergies: NKDA Gender: Male Weight: 70 BSA:
Edit Patient Create New Patient

ORDERS VITAL SIGN and OBSERVATION INTAKE and OUTPUT INSULIN ORDER NEUROVASCULAR CHART IMR-Parenteral IMR-Oral/Topical IMR-Diet_Enteral Tasks

Location	Patient Identification	Presenting Complaint	Past Medical History	Problems Test and Result	Tasks
MW 02	Bonito, Elvis	Fracture of Left neck femur	pneumonia	for ORIF of fracture femur (postpone) because Hb is low (10mg/dl). Chest Xray results shows diffused consolidation of lung tissues. X-ray of lower limb shows fracture at neck of femur. 12 lead ECG, CXR & SXR done - NAD ABG, blood UE, FBC done, blood and sputum C/S (awaiting results) NaCL 125mmols	Consent Sign (faxed OT chit) NBM post midnight.(Cancel) For skin traction of the affected limb. Neurovascular Assessment e 4 hourly parameters on IV drip D5NS 1L over 24 hr BGL 4 hourly DM 1500 Kcal
MW 03	Tian Tian,	Lightheaded and fainted outside park.	NIL	FBC, U/E, PT/PTT, blood C/S, urine FEME & C/S, Sputum C/S	4 hourly parameters on I/V N/Saline 500ml 8 hour Tepid sponging PRN for temp DOC, encouraged fluid incre
MW 05	Singh, Sawan	Fever of Unknown Origin	FBC, U/E, PT/PTT, blood C/S,		on right chest tube drainage O2 via NC @ 4 LPM strict monitoring of I & O parameters post insertion every 15mins for 1 hr
MSW 06	Lim, Andrew	Right Haemo-pneumothorax	NIL	breathless and pain on the right chest chest xray done ABG, FBC, U / E, platelet count done ECG when stable	hourly parameters O2 via NC @ 2LPM
MW 07	Samy, Nathan	Acute myocardial infarction	DM and HTN	CK - CK MB (high) , Trop T (high) FBC, U/E/Cr, PT / PTT (A/W results)	

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Developed a Customized EHD



Comparative analysis



Google images



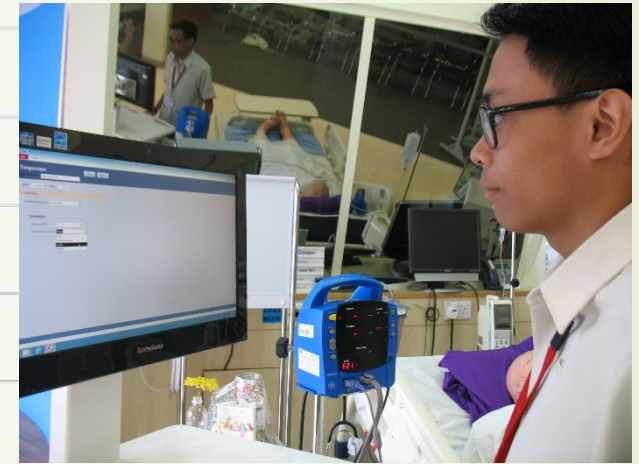
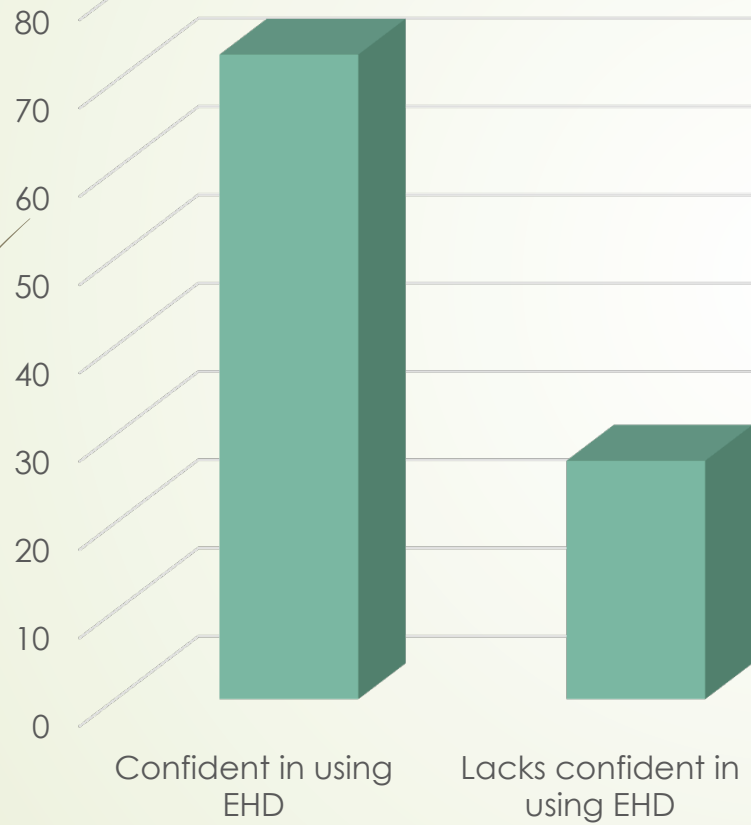
■ paper based documentation


■ electronic health documentation



Google images

Preparedness in Using EHD






***secured sharing of electronic
information***

***complete and accurate
documentation***

quick access on patient record

***reduced medication error
and reliable transcriptions***



Conclusion



Google images



Google images



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CHALLENGE!



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