Economical web based Electronic Health Record (EHR) solution for ICU

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What is an electronic health record (EHR)?

EHR is a digital version of a patient's health-related information.

EHRs are real-time, patient-centered records that make information available instantly and securely to authorized users.

Access your patient data from anywhere.

What information does an EHR contain?

- Administrative and billing data
- Patient demographics
- Medical histories
- Vital signs
- Diagnoses
- Medications
- Progress notes
- Immunization dates
- Allergies
- Radiology images
- Lab and test results

Advantages of EHRs

- Accurate, up-to-date, and complete information
- Quick access to patient records
- Securely sharing information
- Reduce medical errors
- Improving patient and provider interaction and communication
- Latest information about a drug

Advantages of EHRs

- Alerts for drug interactions
- More reliable prescribing
- Accurate coding and billing
- Enhancing privacy and security
- Improve productivity
- Reducing costs

Benefits of Electronic Health Records

- **79%** More efficient
- **82%** Saves time
- **75%** Receive lab results faster
- **70%** Enhances in data confidentiality

* Jamoom, E., Patel, V., King, J., & Furukawa, M. (2012, August). National perceptions of EHR adoption: Barriers, impacts, and federal policies. National conference on health statistics.

Potential disadvantages of EHRs

- Privacy Protection
- Delays in documentation
- Continuous need for updates
- e-Messaging between providers
- Legal issues
- Cost of set-up and maintenance

Components of EHR Implementation

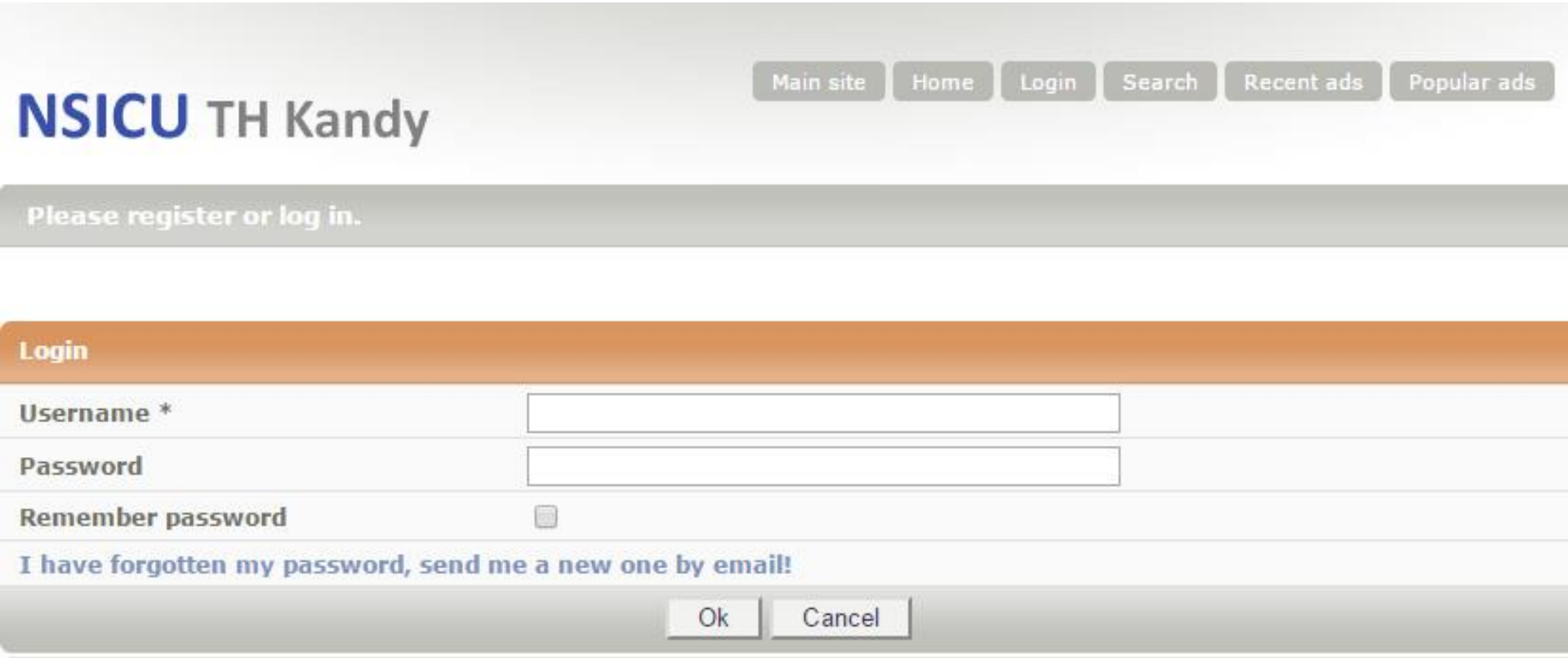
- Hardware
- EHR Software
- Implementation Assistance
- Training
- Ongoing Network Fees and Maintenance

Average cost: Michigan Center for Effective IT Adoption

Cost	In-Office			Web-based		
	Upfront Cost	Yearly Cost	5 Year	Upfront Cost	Yearly Cost	5 Year
Estimated Average Cost	$33,000	$4,000	$48,000	$26,000	$8,000	$58,000

Can we afford it?

www.anaesthesia.edu.lk/nicu



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Bed No | Last Update | Name | History | ICU Day | Daily Status | Plan/Rx | CXR | CT | Ix

Patient Data — List of custom fields | Unsubscribe from this category

	Bed No	Last Updated	Name	History	ICU Day	Daily Status	Plan/Rx	CXR	CT	Ix
modify | move | delete	1	2015-06-22	Mrs.L.R.M.Kanchana	R/Side headadche, fainting attacks for 5 years Diagnosed to have pituitary tumour. Trans-sphenoidal excision of pituitary tumour done. Sx was uneventful.	3	Not pale GCS- 15/1 B/L Pupils 3 reacting BP-138/88 PR-54 BPM SpO2-100 RBS-182 mg/dl UOP-50ml/h	Monitor UOP, Ward SOS			MRI-LOBULATED mass arising from the anterior pituitary with a supraseller component impressing upon optic chiasma
modify | move | delete	2	2015-06-22	Mr. G. M. Gunathilake	RTA,fallen from motor bike while riding 4.30 pm 20/6. Facial injuries+, LOC+,Initial GCS-10 tO 8 Intubated at ETU. B/L orbital haematoma+, CT- Massive R parietal EDH, Multiple facial bone fractures. C-spine-normal.	1	Pupils unable to assess,BP -123/74,PR-54 bpm CVP-3 SpO2-100%,FiO2-40% RBS-142mg/dl ABG-Lactate high	CMV-with morphine and TPS Fluid resuscitation			Na+: 128mmol/l Hb: 11.1g/dl

Item details

modify | move | delete

Category	NICU 1
Created	2015-06-20
Views	4
Responses	0
Owner	nicu
Bed No	2
Last Updated	2015-06-22
Name	[redacted]
History	RTA,fallen from motor bike while riding 4.30 pm 20/6. Facial injuries+, LOC+,Initial GCS-10 tO 8 Intubated at ETU. B/L orbital haematoma+, CT- Massive R parietal EDH, Multiple facial bone fractures. C-spine-normal. EDH evacuated eye, OMF, ENT referrals done FAST scan - Normal
ICU Day	1
Daily Status	Pupils unable to assess,BP -123/74,PR-54 bpm CVP-3 SpO2-100%,FiO2-40% RBS-142mg/dl ABG-Lactate high
Plan/Rx	CMV-with morphine and TPS Fluid resuscitation
Ix	Na+: 128mmol/l Hb: 11.1g/dl

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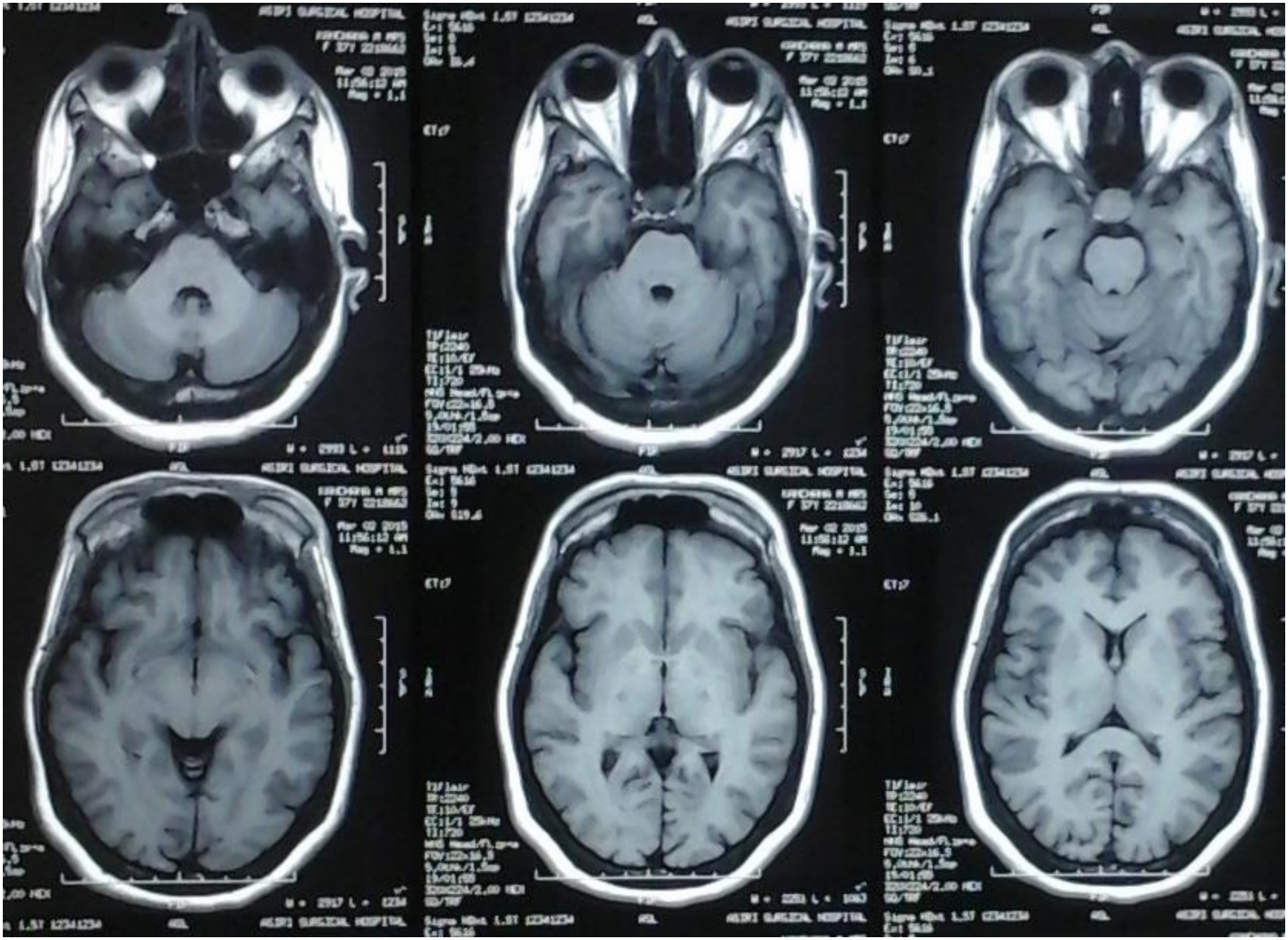

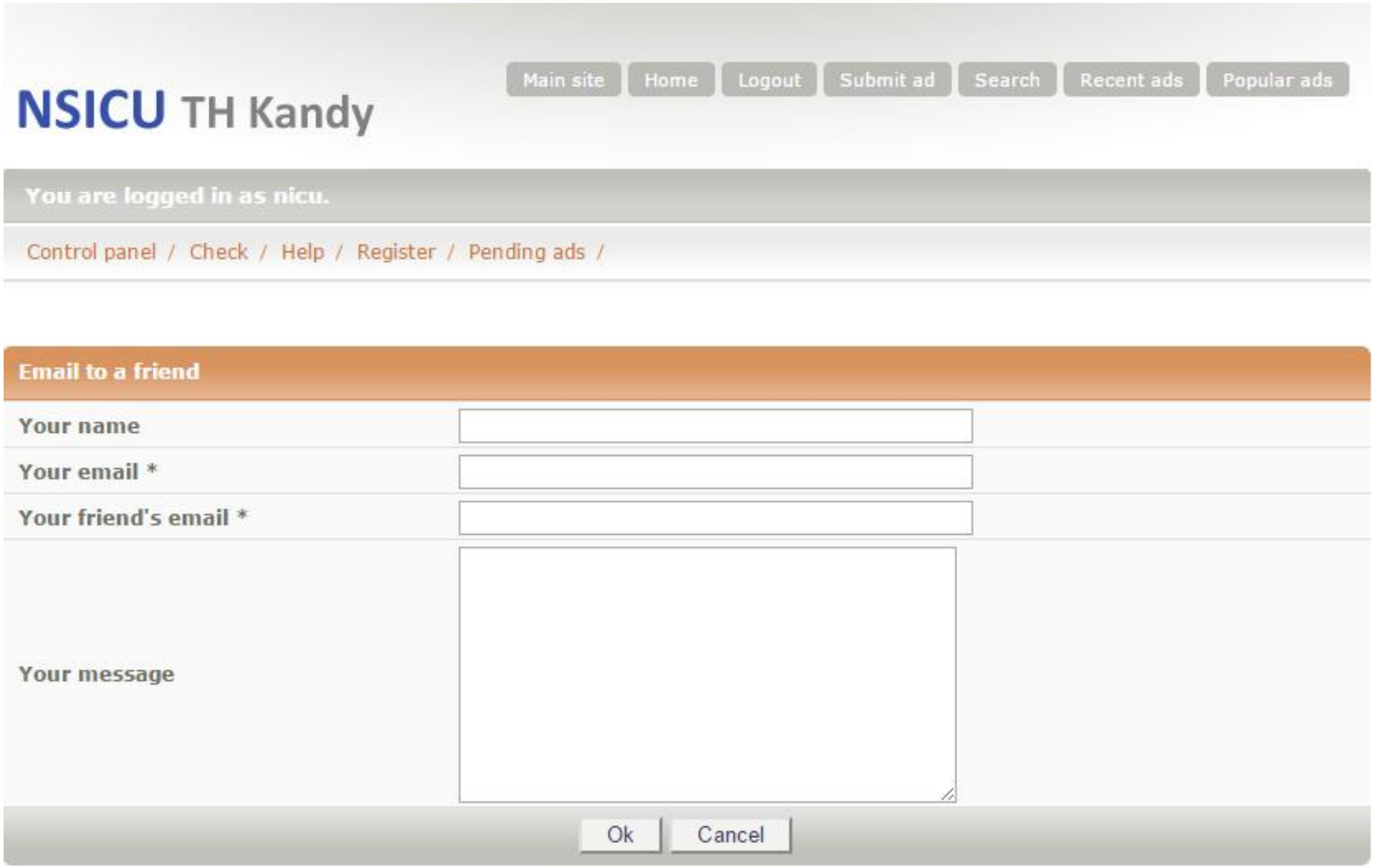

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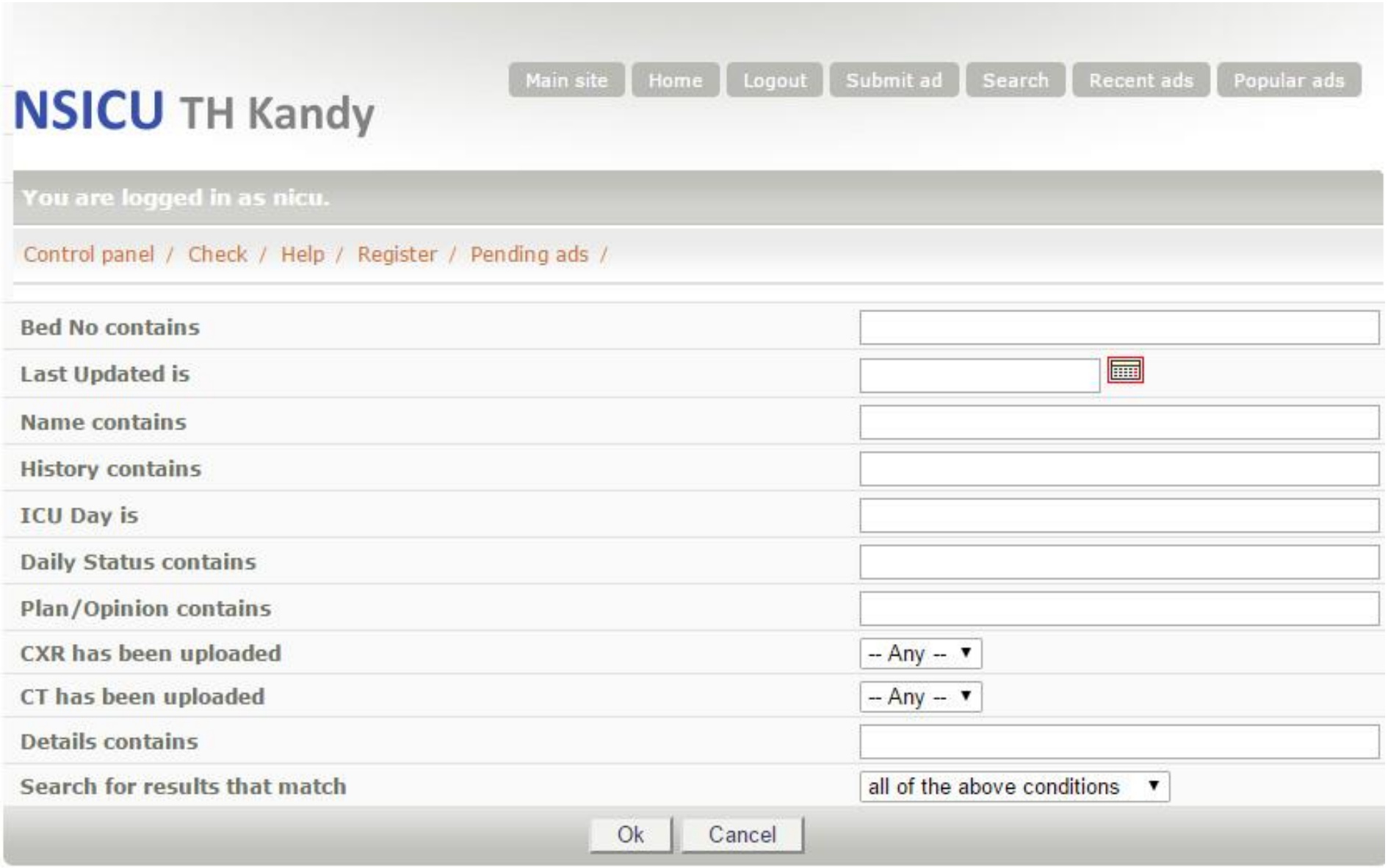

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Estimated Cost for EHR Software

- **Domain Registration :** USD 20 per year
- **Linux Hosting :** USD 50 per year
- **Software :** Free (Open Source)

- **Total:**

USD 70 per year

So this **modified open source (Free)** software is reducing the high up-front financial costs of implementing EHRs.

thank you!