

The Second Seminar on Clinical Information System in Intensive Care

Implementing CIS in a Second Site

MAK Wai Ling
Nurse Specialist (ICU)
PMH & YCH
2010



Learnt from the first Site

Less pain in the second site

Continue to learn and explore



Make a Start

✧ Clinical Administrator Training in PMH

✧ Aug 2007

✧ Include 1 doctor and 3 nurses

✧ Configuration of the system

The image shows a medical chart or form, likely a patient record, with a grid structure. The form is titled 'ICU' and 'FLOOR CHART'. It has multiple columns and rows, with some sections shaded in grey. The form is placed on a wooden surface.

Make a Start



Changes in documentation

Replaced forms

- Flow sheets
- CMS notes
- Interview record
- Braden scale scoring sheet

Remaining forms

- All doctor's prescription forms
 - Ventilator settings
 - Drug infusion
 - Maintenance fluid
- MAR sheet
- I & O sheet
- Wound charts
- Initial nursing assessment
- PD, irrigation record
- CPR record



Make a Start

✦ Clinical Administrator Training in PMH

✦ Super-user training

- ✦ Include I doctor and II nurses

- ✦ Review and finalize the configuration of the system

- ✦ Train-the-trainer



Another Start

✧ Clinical Administrator Training

✧ Jan 2010 (1 week administrator training with 3 months of administrator practice and modify the PMH format for YCH)

✧ Include 2 doctors & 6 nurses (IWM & 2NO/APN)



Another Start

✧ Clinical Administrator Training

✧ Have the experiences in using the PMH CIS

✧ Upgraded version implemented

✧ Advantages

✧ Disadvantages



ICU Staff Training

- ✖ **Half day hands on training (2 weeks time)**
- ✖ **Bedside trial (1 week time)**

ICU Staff Training

- ✦ Hands on training and bedside trail (2 weeks time)
- ✦ Gain the experience in PMH already



Implementation Phase

✧ First phase (1 week)

- ✧ Newly admitted cases
- ✧ Implement in parallel with existing charts
- ✧ Only flow sheets, fluids (intake and output and medication) and nursing intervention sheets (nursing care)

✧ Second phase (Live run)

- ✧ Includes the clinical notes



Implementation Phase

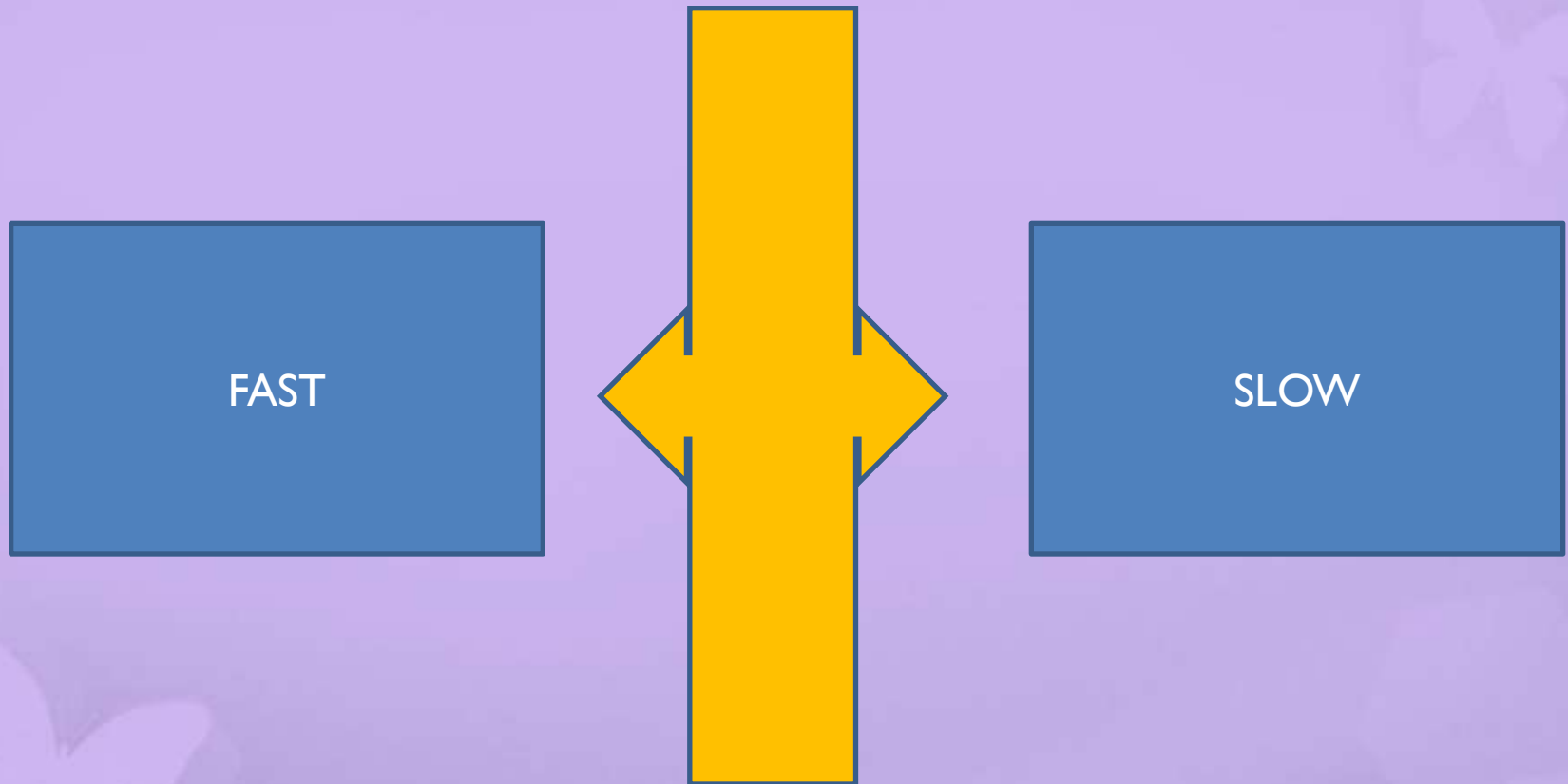
✧ First phase (2 weeks)

- ✧ Newly admitted cases
- ✧ Implement in parallel with existing charts
- ✧ Including a drill

✧ Second phase (Live run)



Implementation Phase



Staff Acceptance



Staff Acceptance

ICU
F2000 (20000)

Staff	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1																								
2																								
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Internet Explorer - Microsoft Internet Explorer

CD2 - Report: CD2 Bed 06 CH-CHUNG HUI
D: Path 1587 - Current Date: Apr 26, Night: 26-Apr-2016

Dragon

Dashboard | Staff | Assignments | Information | Trends | Logs | Workflow | Notes | Scheduling | ADT | Reports

Staff | Out Time

Map | Add Page | Add Assignment | Interval

Bedside Care (Daily & 23hr) | ETT Care (Daily) | Blood Therapy (Daily) | Brain Care (Daily) | Lax Care (Daily) | ETT Care (Night)

22-Apr-2016 00:00 02:00 04:00 06:00 08:00 10:00 12:00 14:00 16:00 18:00 20:00 22:00 24:00

CD2 Case (M6)

CD2 Case (M6)

	22-Apr-2016	23-Apr	24-Apr	25-Apr	26-Apr	27-Apr	28-Apr	29-Apr	30-Apr	01-May	02-May
Location of Intubation	OT	OT	OT	OT	OT	OT	OT	OT	OT	OT	OT
Date of Intubation	22-4-2016	23-4-2016	24-4-2016	25-4-2016	26-4-2016	27-4-2016	28-4-2016	29-4-2016	30-4-2016	01-5-2016	02-5-2016
Date of Removal											
Type of Tube	ETT	ETT	ETT	ETT	ETT	ETT	ETT	ETT	ETT	ETT	ETT
Size	8	8	8	8	8	8	8	8	8	8	8
Marking	0	20	20	21	20	20	20	20	20	20	20
Full Pressure (cmH2O)	0	20	20	20	20	20	20	20	20	20	20
Max Vt (ml/kg)	400	400	400	400	400	400	400	400	400	400	400
TT abt (cmH2O)	0	0	0	0	0	0	0	0	0	0	0
Transition Care (cmH2O)	0	0	0	0	0	0	0	0	0	0	0
Head up 30 Degree	0	0	0	0	0	0	0	0	0	0	0
DOX (cmH2O)	0	0	0	0	0	0	0	0	0	0	0
Drugs	0	0	0	0	0	0	0	0	0	0	0
Sub intubation	0	0	0	0	0	0	0	0	0	0	0
ETT	0	0	0	0	0	0	0	0	0	0	0
Max Pressure	0	0	0	0	0	0	0	0	0	0	0
Subintubation	0	0	0	0	0	0	0	0	0	0	0



Staff Acceptance

How to handover



Staff Acceptance

SPECIAL REMARKS for HANDOVER

Date of ICU Admission: _____ Diagnosis: _____

N/OETT Tre chca sta my

Size _____ Marking _____ Date: ()

ICP Monitoring

Desire at _____ cm above ear level, in form of BCP > _____

Free drainage / Clamp drain, Keep CPP > _____

Special Position:

Key neck collar _____ / Log Roll _____ / Neck traction _____

Prop up _____ / Take up _____

Feeding

NPO / NPO except medication / Signs of H₂O NG Aspirate Q__H_____ ml milk _____ ml/hr + _____ ml H₂O / Rice water

Oral Diet _____

Keep BGA as protocol / _____ Date: ()

Blood Taking

Q4M _____

Q34 _____

QD _____

Line and Tabco Inscription Date:

NG tube: _____ Foley catheter: inc ()

Type	Site	Date	Site	Date
A-line				
Control Line				
Peripheral Line				

Wound Care

Side _____ Descending QD / BD _____

Special Appointment

_____ on _____ (date)

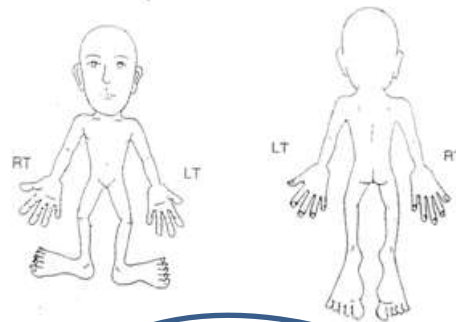
_____ on _____ (date)

Consultation

_____ (Day) Send on _____ (date) Attend on _____

Other Remarks

Date: _____



Date:

RT
L
C



Improve Acceptance

Nursing Handover with CIS⁺

1. Assessment – One Time – Admission⁺
Handover Note⁺
2. Flow sheet – Summary⁺
3. Note – Evaluation of care⁺
Today's plan⁺
Interviewing record⁺
4. Assessment – Serial – ETT⁺
Line care etc⁺
5. Patient files – IV / MAR⁺
6. Bedside checking⁺



Improve Acceptance



Staff Acceptance

✖ Environmental limitation



Improve Acceptance



Improve Acceptance



Improve Acceptance



Improve Acceptance

High Expectation

Understanding



Documentation Issues

✖ Use of abbreviations

Haemo			
		Used in CIS	Full Name
		Haemo	- Heamodynamic
		ART D	- Arterial dystolic pressure
		AE	- Atrial ectopics
		ART M	- Arterial mean presuure
		AF	- Atrial fibrillation
		A Flutter	- Atrial flutter
		ART S	- Arterial systolic pressure
		BGA	- blood glucose analysis
		BGA #	- blood glucose analysis machine no.
		Breaths/M	- / Minute
		CVP	- Central venous pressure
Dopp/Palp		Dopp/Palp	- Doppler/Palpation
		D	- Pulse is detected by means of doppler
		P	- Pulse is detected by means of palpation
RUL P/T/C		<u>P</u>	- <u>Pulse</u>
LUL P/T/C		y	- With pulse
RLL P/T/C		n	- No pulse
LLL R/T/C		<u>T</u>	- <u>Temperature</u>
		w	- Warm
		c	- Cool/cold
		<u>C</u>	- <u>Color</u>
		pk	- Pink



Non-ICU staff Training

- ✖ Not included in the training plan
- ✖ Bedside training

Training Schedule for CIS in ICU Venue: D2										
Department	Contact person	27/11 (Tue)	30/11 (Fri)	4/12 (Tue)	6/12 (Thu)	7/12 (Fri)	11/12 (Tue)	12/12 (Wed)	14/12 (Fri)	18/12 (Tue)
Physiotherapy Dept	Ms. S. S. S. S. S.				1-2 PM ✓			1-2 PM ✓		1-2 PM ✓
Occupational Dept	Ms Stella Chong				1-2 PM ✓			1-2 PM ✓		1-2 PM ✓
Dietetic Dept	Ms. Lulu Lo				1-2 PM ✓			1-2 PM ✓		1-2 PM ✓
P&O Dept					3-4 PM ✓			3-4 PM ✓		3-4 PM ✓
Pediatric Dept					3-4 PM ✓			3-4 PM ✓		3-4 PM ✓
Speech Therapy Dept					3-4 PM ✓			3-4 PM ✓		3-4 PM ✓
MSW					3-4 PM ✓			3-4 PM ✓		3-4 PM ✓
Stoma/Wound Nurse					3-4 PM ✓			3-4 PM ✓		3-4 PM ✓
Anaesthesia Dept		✓	✓	✓						
Surgical Dept		✓	✓	✓						
Neuro-surgical Dept		✓	✓	✓						
M&O Dept					✓	✓	✓			
Radiologic Dept					✓	✓	✓			
Ob&G Dept								✓	✓	✓
Ob&T Dept								✓	✓	✓
Oncology Dept								✓	✓	✓



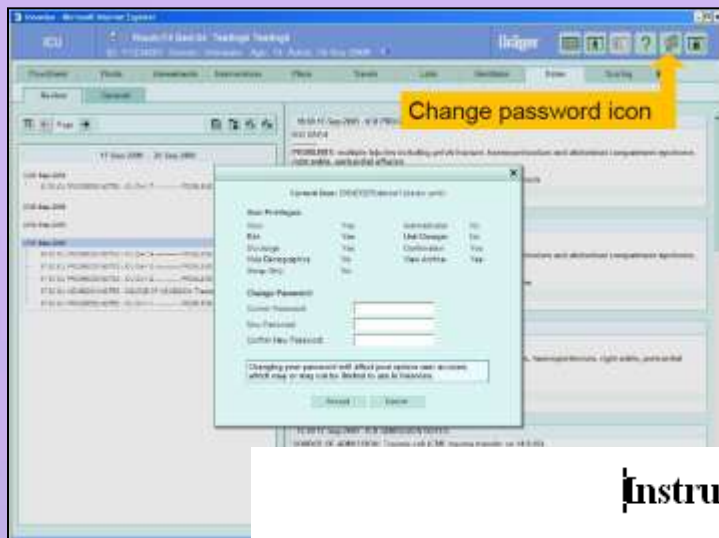
Non-ICU Staff Training

- ✧ Scheduled on the week of parallel run
- ✧ Besides doctors, general ward nurses are welcomed



Non-ICU Staff Training

✦ Creation of user ID



Instructions for First Time User

1. Log in CIS system by using their CMS login ID as the CIS username.
 - If the CMS login ID is less than 6 characters, just add 1 or 11 at the end. E.g. if the CMS login ID is NGWA, then the CIS username will then be NGWA11
2. The initial password will be same as the CMS login ID.
3. If fail, consult the administrator and check that whether they are on the list, if not, the administrator will create an account for them.
4. If successfully log in, advise them to change the password as follows:

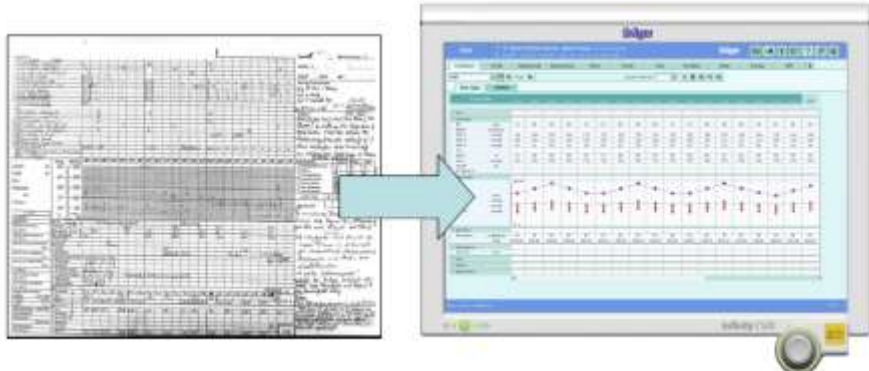


Promotion

✧ Briefing in YCH HMC

Clinical Information System

YCH ICU 2009



The diagram illustrates the transition from a traditional paper-based clinical information system to a modern digital Clinical Information System (CHS) for YCH ICU in 2009. A large blue arrow points from a stack of paper charts on the left to a computer monitor on the right. The monitor displays a digital interface with various data fields and a line graph. The YCH Hospital logo is visible in the top right corner of the diagram.



Promotion

YCH ICU CIS training for non-ICU users - Windows Internet Explorer

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回覆 全部回覆 轉寄

YCH ICU CIS training for non-ICU users

Eunise HO Dr, PMH AC(ICU)

寄件日期: Tuesday, 16 March, 2010 11:29

收件者: K W CHU Dr, PMH/CMC/YCH/OLMH COS(Anae); Tommy SUEN Dr, YCH CON i/c(Anae); H T LUK Dr, PMH/YCH COS(Surg); C K KONG Dr, YCH CON i/c(Surg); W K KWAN Dr, YCH COS(Med); Raymond MA Dr, KWC COS(ENT); Stephen HSU Dr, PMH/YCH COS(O&T); Y L WAI Dr, YCH CON(O&T); Hedy CHOI, KWC CC(Diet) & KCH/PMH/YCH DM(Diet); Raymond LO, YCH DM(Occ); Katherine NG, YCH DM(Physio)

副本: K K LAI Dr, KWC CCSC(Diagnostics) & YCH HCE; Tom BUCKLEY Dr, PMH/YCH COS(ICU); F Y LEUNG, PMH/YCH DOM(ICU); W L MAK, YCH NS(ICU); W M TANG Dr, PMH MO(ICU); **YCH ICU CMT**

附件:  [YCH ICU CIS Training 2010.doc \(57 KB\)](#) [開啟為網頁]

Dear All

For the purpose of quality and safety, YCH ICU is going to introduce Clinical Information System (CIS). It is now ready for implementation. After implementation of CIS, the principle of medical record document will be in CIS instead of "Integrated Patient Notes" MR1905/YC. Before implementation of CIS, we would like to offer training to clinical staff. The training period for non-ICU staff will be in 12 to 16 April. There will be scheduled training sections for specific department as well as Ad hoc training sections for all YCH staff. Departments who are considered as common ICU users will be offered specific scheduled training.

- Scheduled training sections**
We would like to seek your opinion on **when and how many** sections will be the appropriate for your department. Please kindly indicate on the attached sheet. Reply through email **on or before 26 March** would be much appreciated, so that we could fix the schedule of your department before the training is opened to all registration.
- Ad hoc training sections**
Ad hoc training sections will be opened to all YCH staff. This could be arranged by phone registration to YCH ICU SSI ward on or before 9:30am of that training date.
- Bedside briefing (after implementation)**
Briefing and assistance at bedside as technical support will continue to provide after implementation.

Each training section will last for 15 minutes for maximum of 6-8 staff. All training sections will take place in YCH ICU SSI ward CIS training site.

Please feel free to contact me if you need further information or **special arrangement of training section** for your department. Thank you very much.

Regards
Dr Eunise Ho
For YCH ICU CIS team



Promotion

PMH ICU CIS version upgrade - Windows Internet Explorer

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PMH ICU CIS version upgrade

Eunise HO Dr, PMH AC(ICU)

寄件日期: Thursday, 15 October, 2009 10:55

收件者: **PMH Medical Staff; PMH Allied Health Staffs**

副本: Nancy Sau Ying TUNG Dr, KWC CCE / PMH HCE; C C YAU Dr, KWC CCC(HI), COS(ONC) & PMH CSC(HI); **PMH All COS Users**; K M TONG, KWCIT SM i/c & SM(KCH/PMH/YCH); Twiki CHOI, KWCIT HM(KCH/PMH/YCH); **PMH ICU - Clinical Management Team**; Mei WONG, KWC SPS(CCE) & PMH SPS(HCE); Delphy WONG, PMH PSI(Med&Ger); Anita Tam, PMH PSI(Surg); Eva NG, PMH PSII(Neuro); W Y YIU, PMH PSI(O&T); Fanny SO, PMH PSI(Anaes); Joyce HO, PMH CIII(ICU)

附件:  PMH ICU CIS Version Upgrad~1.doc (106 KB) [\[開啟為網頁\]](#)

Dear All

Clinical Information System (CIS) was introduced in PMH ICU since 2007. CIS entry is the principle of medical record for PMH ICU patients in wards with CIS facility. We would like to have version upgrade of CIS soon. We would like to offer training to clinical staff as well as collect feedback.

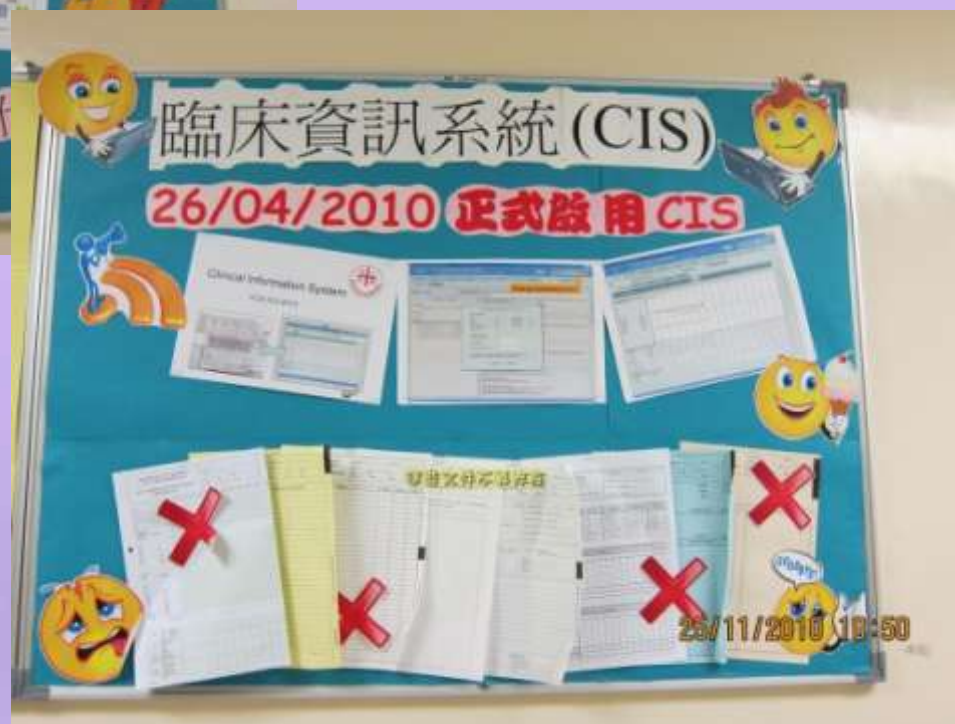
There will be a week of scheduled training sections for ICU common users of individual department followed by a week of Ad hoc training section open to all staff of interest. Each section is 15 minutes for maximum of 6-8 staff. All training sections will be held in ward F4 CIS training centre.

1. Scheduled training sections (27 Oct to 30 Oct)
Target for frequent users e.g. staff of Department of Medicine and Geriatrics, Surgery, O&T, Neurosurgery, Anaesthesia, Microbiologist, Physiotherapist, Occupational Therapist, Dietitian, etc.
2. Ad hoc training sections (2 Nov to 6 Nov)
It is now opened for registration for all PMH staff of interest.
Registration procedure: phone contact F4 ward at ext 2388 or 2389 on or before 9:30 of that training date to provide the preferred time slot, contact person and contact number.
3. Bedside briefing (after implementation)
Briefing and assistance at bedside as technical support will continue to provide.

CIS electronic documentation is the principle of medical record for PMH ICU patients in wards with CIS facility. Involvement of all PMH staff and your comment is valuable to us. It is also an opportunity for us to know how should our CIS further develop in the future. We would like to express our deepest appreciation to all of you to maintain a complete electronic medical record.



Promotion



Promotion

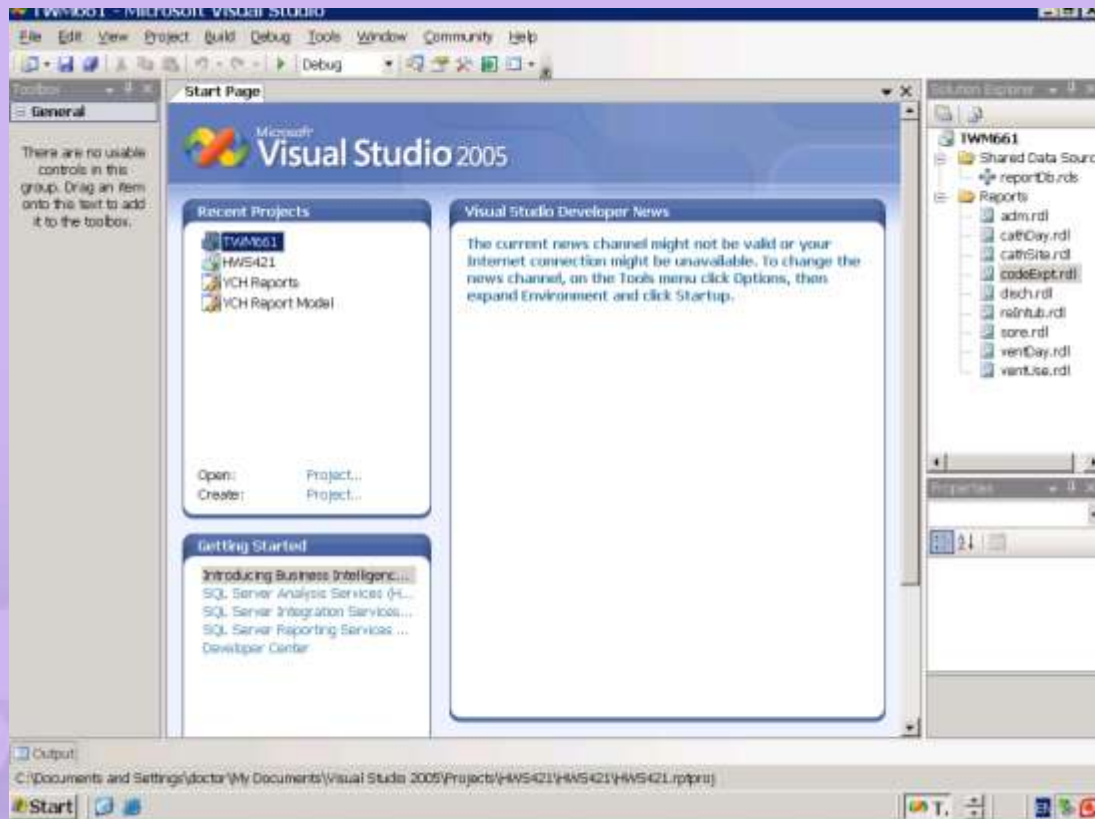


25/11/2010 10:51



Looking forward

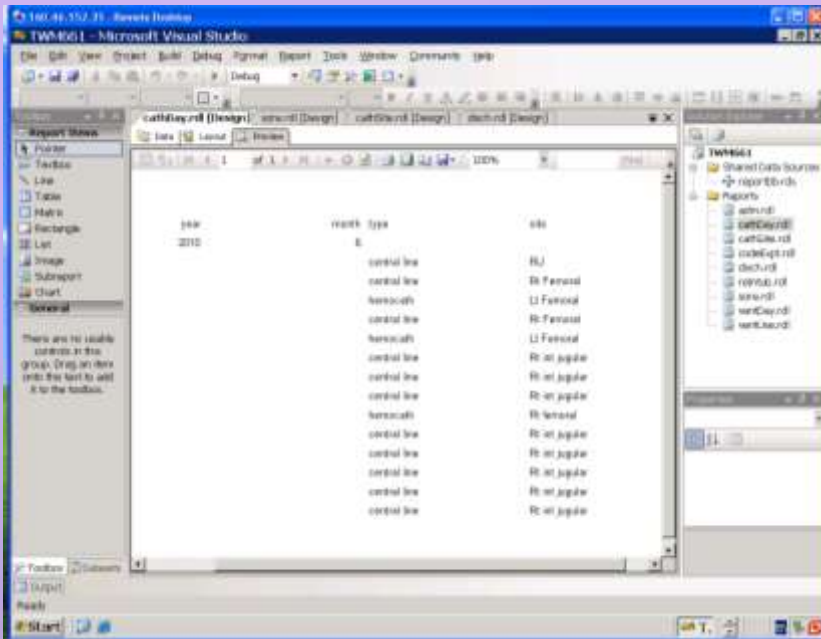
✖ Statistic Module



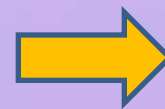
Looking forward

✈ Statistic Module

Catheter line / site



year	mark	type	site
2010	1	central line	RU
	2	central line	Rt Femoral
	3	hemodialysis	Lt Femoral
	4	central line	Rt Femoral
	5	hemodialysis	Lt Femoral
	6	central line	Rt ax jugular
	7	central line	Lt ax jugular
	8	central line	Rt ax jugular
	9	hemodialysis	Rt femoral
	10	central line	Rt ax jugular
	11	central line	Rt ax jugular
	12	central line	Rt ax jugular

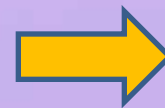
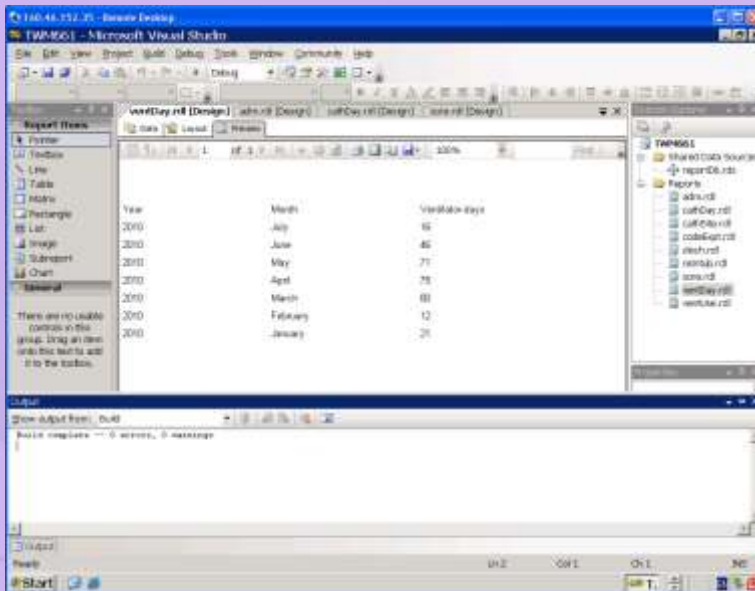


Central line
bundle

Looking forward

🦋 Statistic Module

Ventilator Day



VAP bundle

YCH Outstanding Team Award 2010

