



ACACI Austin Centre for Applied Clinical Informatics
www.acaci.org.au

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Welcome to the Quarter 2 newsletter

This newsletter is a communication tool and promotes sharing of information in relation to projects, staff, Informatics Seminars as well as an opportunity to extend our informatics network.

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Calling all Clinical Information Coordinators

The Clinical Information Coordinators Group was established to provide a network to staff who provided support to clinical practice and clinical audit by provision of integrated Information Technology solutions. The group meets every other month, with the goal of leaning and sharing IT related information. ACACI projects are discussed as are other Austin IT project and HealthSMART directives.

To get involved in the meetings or to receive copies of the minutes, contact [Anthea Ward](#). Future meeting dates and location below.

Wednesday 6 th August	2pm - 3pm	Room 4.1, Education Precinct
Friday 3 rd October	11am - 12pm	Room 4.1, Education Precinct

Informatics Seminars

July 16th, @ Room 4.4 Education Precinct, Level 4 Austin Tower

The importance of including users in clinical software evaluation: 2 case studies at Austin Health: Home Monitoring and Aged Care

Janette Gogler,

ADON, Nursing Informatics, Austin Health

&

Dr. Sandrine Balbo,

Dept of Information Systems, University of Melbourne

Seminars are 4pm start (room available from 3:45) and will be held in the Education Precinct, Level 4 Austin Tower. Car parking is available via the Studley Road car park. A map of the Austin is available via www.austin.org.au/MapData/1.pdf. Future seminar dates below.

Date	Day	Room
September 29 th	Monday	4.4
November 12 th	Wednesday	4.5

Chart 1: Medtrak User Survey; Results from Questions 1-4

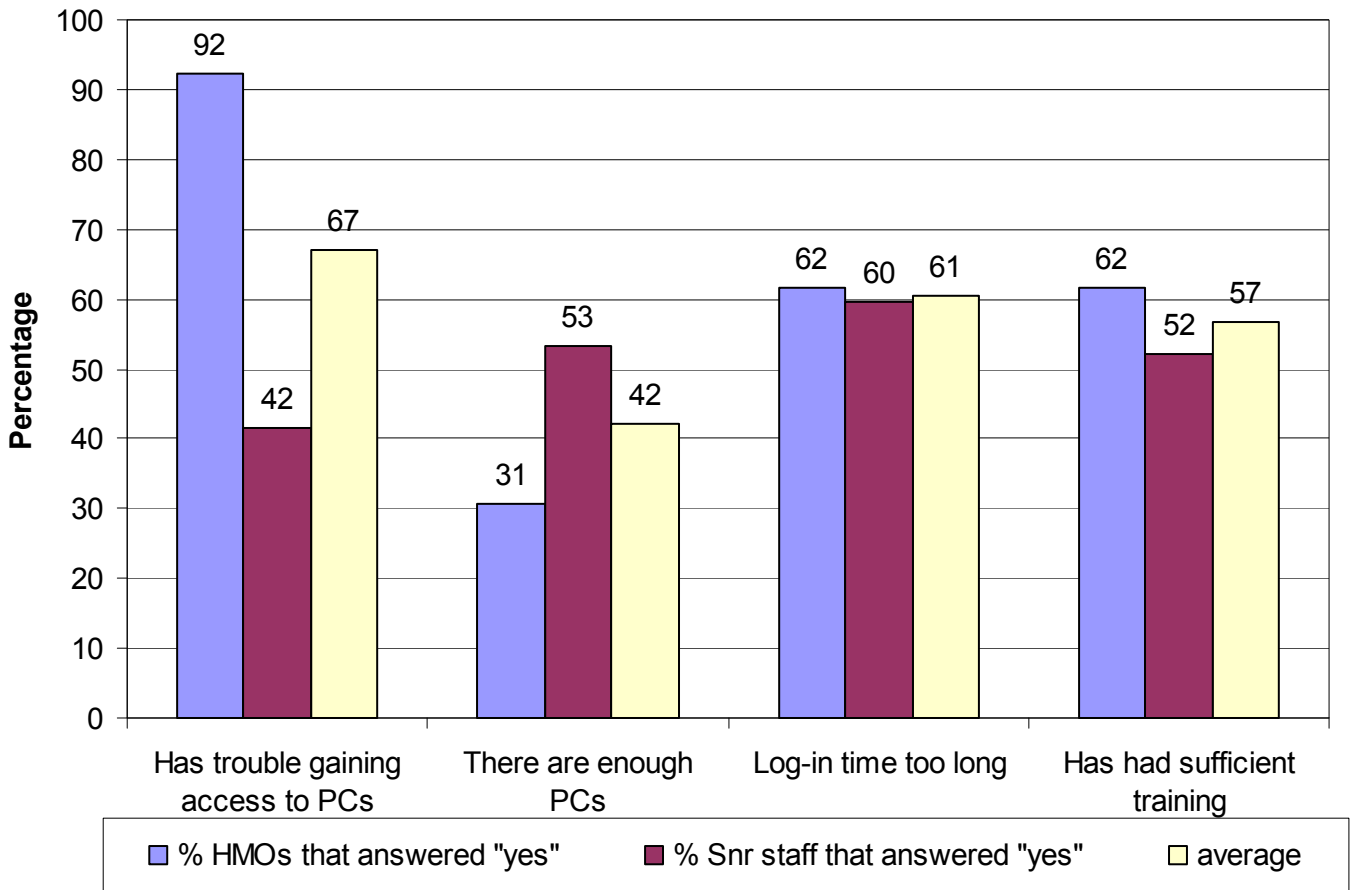
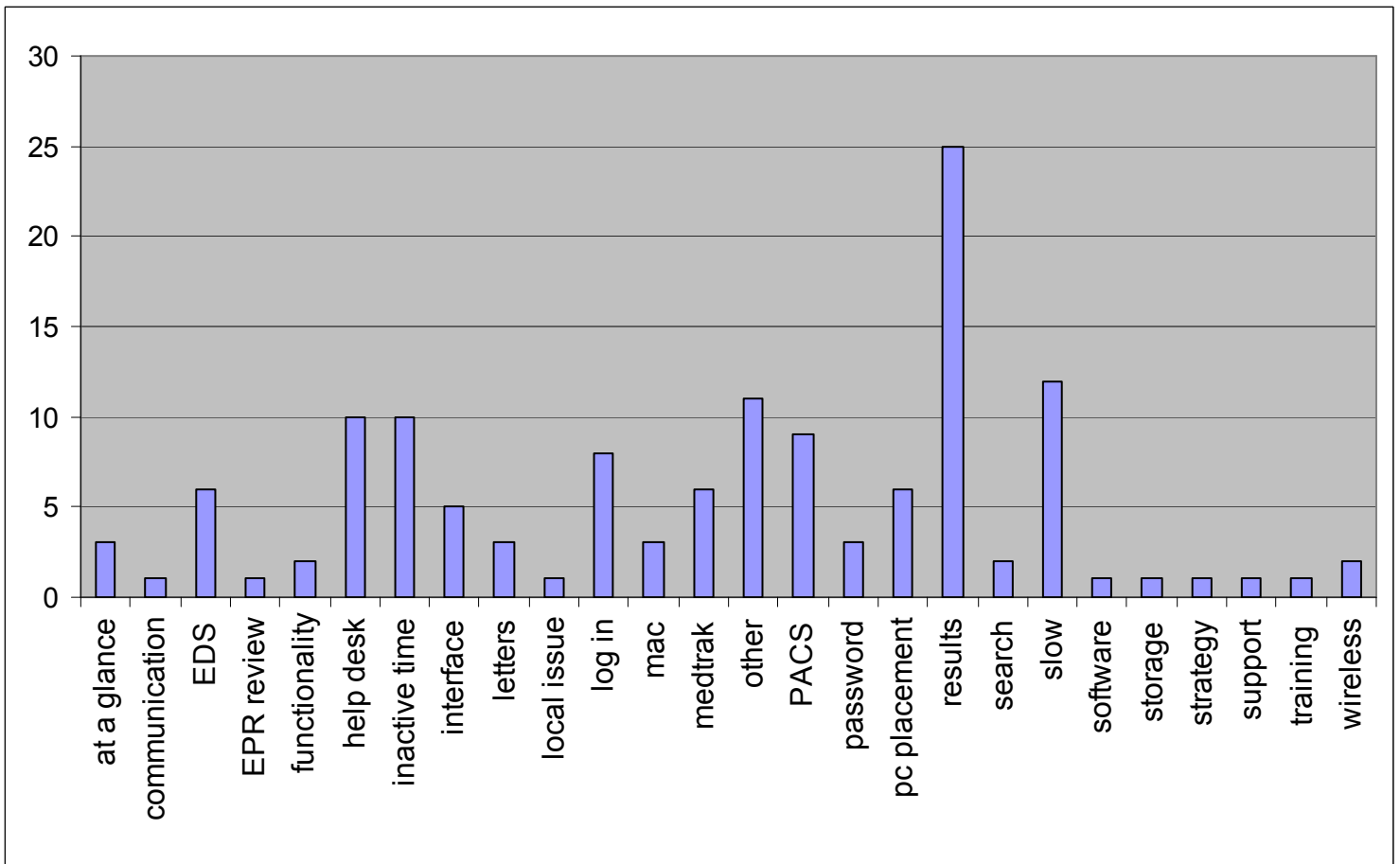


Chart 2: Medtrak User Survey; Comments from Questions 5 & 6



Project Overviews...

A brief overview of some of the ACACI project work

Training

[Andrew Chong](#) & [Anna Brazzale](#) are the IT training leads

This report provides a quarterly snapshot of training sessions delivered by the IT Training Group and training sessions attended for the period January to March 2008.

A total of 398 Austin Health staff attended some form of computer training during January - March 2008. The largest proportion of training was delivered to clinical staff - primarily medical & nursing staff, as outlined in the table below.

Training Course	Jan-Mar 08 Attendance
New Intern Training	29
New HMO/Registrar Training	36
New Nursing Graduate Training	111
Medical Staff Roving Training	52
Induction Training	32
RAHCU Training	35
Medtrak Training	67
Other Training (ie TCM, Internal IT Training, Computer Coaching)	36
Grand Total	398

The January to March period tends to be the peak training period for new clinical staff. The IT Training Group initiated some changes in the delivery of training specifically for new medical staff in 2008 with the input from MEU, Medical Education Services & HMO Services.

In summary:

- **100% of the new interns** have been trained in General MedTrak usage, including discharge summary), PACS, LANPAGE & webmail. Training was delivered through dedicated IT Training Induction program along with roving sessions and individual follow up.
- **100% of new HMOs** who commenced their rotation at Austin have been trained.
- **Approximately 50% of new registrars** who commenced their rotation at Austin have been trained.
- **100% of new Nurse Graduates** were trained.
- **330 face-to-face training hours** were conducted between Jan to Mar 2008.

The IT Training Group has initiated improvements to training delivery focuses on the needs of clinicians, including broadcasting training sessions more widely and roving in clinic/ward areas to provide assistance where necessary.

Project Overviews...

A brief overview of some of the ACACI project work

Nursing Informatics

Janette Gogler is the ADON for Nursing Informatics

A telehealth implementation for home monitoring of patients with chronic disease of CHF and COPD and lead by Nursing Informatics is currently being evaluated. Established as a randomised control trial, patients were recruited from the chronic disease program and half were monitored daily for 12 months, using a remote patient monitoring device, Telemedcare. Up to 7 physiological measurements were performed daily and viewed

and interpreted via the internet, by staff at the Austin. The study will provide many interesting facets from a scientific clinical perspective, resource utilisation and also from technological usability.

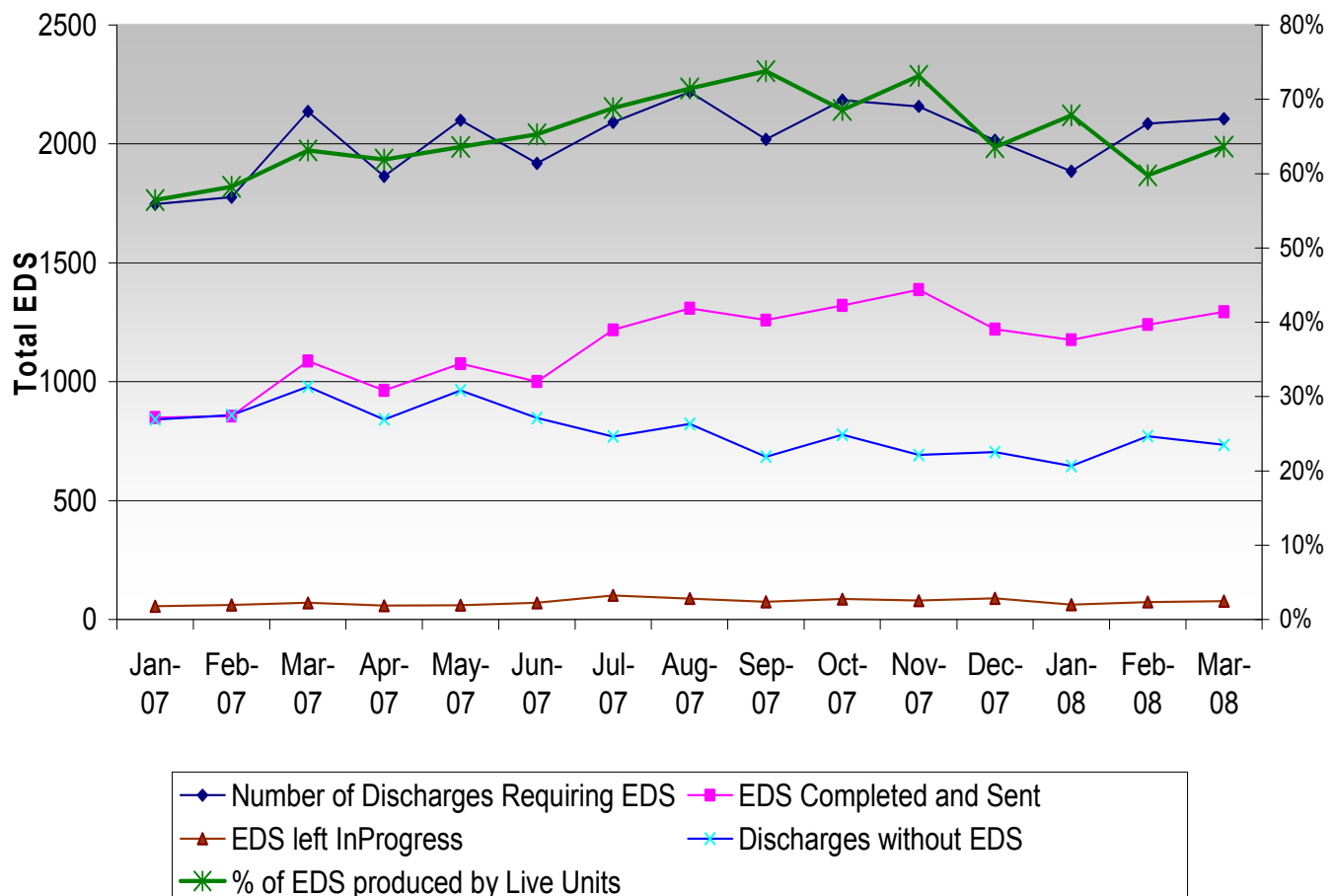
Dr Carol Hullin was employed by Nursing Informatics part time to perform nursing research in nursing data elements for admission and discharge. We value her enormous contribution to research, and many other investigations, over the last 2 years and wish her well in her global health informatics activities.

Electronic Discharge Summaries

Sean Conley is the project lead

The Electronic Discharge Summary (EDS) project has continued to move forward over the past two months. The number of clinical units now using the EDS tool has increased again from 64 - 68%. Health Information Services has begun to distribute a monthly report showing the use of EDS by unit to the heads of all clinical units via email. In the next few months, software upgrades requested last year will become available to Austin health EDS users. This will allow us to keep working with the remaining non-live units

Breakdown of EDS Progress 07-08 - Incorporating Live & Non-live Units



Nutrition Risk Assessment Project Update

Caitlyn Green is the project lead

The Electronic Malnutrition Universal Screening Tool (EMUST) is continuing to be used on Ward 7 East and is greatly assisting with the identification and timely nutrition management of patients at risk of malnutrition. The recent completion of a 'patient exception report' which identifies patients who have and have **not** been screened is helping nurses keep track of patient screening.

Evaluation

An evaluation survey was recently distributed to nursing staff across our two pilot areas. This survey has provided some valuable and interesting feedback from nursing staff.

Pre-Admission Clinics

The liaison nurses achieved a response rate of 22%. Of these, 67% believed that nutrition screening should be incorporated into routine admission processes and 65% believed that the EMUST program was easy to use and reliable. The group did not believe and that the EMUST fitted into their daily work pattern - this was primarily due to the unique workflow of each LN and the duplicate documentation requirements within the pre-admission system. These results were communicated back to the manager of the area. Individual feedback sessions are currently being scheduled.

Ward 7 East

The ward nurses achieved a response rate of 39%. The responses were overwhelming positive with over 80% of nurses stating that nutrition risk

assessment should be incorporated into routine admission procedures. Over 50% believed that the process did fit in with their daily work pattern and 87% felt that computer access was appropriate and the system was simple and easy to use. These results were communicated to the ward NUM and are also being distributed to the staff via the ward newsletter.

We are also about to embark on the evaluation of the EMUST system from the dietitians and patient viewpoint. Evaluation outcomes will be published in future newsletters.

Monash University Student Placement

3 students studying their Masters of Business (Commercialising Science and Technology) are currently undertaking their major project within the ACACI unit. They are using the Nutrition Risk Assessment System as the topic of their major project. They will be liaising with unit staff across the next 6 months and presenting a final report and commercialisation plan in October 2008.

What's Next?

We are continuing to analyse the data we are getting from EMUST and pass this back to the relevant wards/clinics for review. This feedback process is also continuing at strategic levels within the organisation.

The focus of Phase 2 is the design and development of a comprehensive nutrition management system. Identification of best practice and literature review is almost complete. The process of transcribing this into an information 'archetype' is about to begin. Stay tuned for future updates!

Atomic Pathology Results

The project lead is Jan Staehr

This project has slowed recently due to resource issues but recruitment to meet the necessary testing schedule will soon be underway. Initially, 26 of the most frequently ordered test results will be presented atomically.

Key stakeholders have been consulted regarding the presentation of the results and a Clinical Reference Group will be established to both comment on and endorse the proposed screen layouts. Medical staff interested in joining the Reference Group should contact Jan Staehr on ext 2603. A range of clinicians from representative groups will also be invited to either participate in the group or provide feedback on the proposed enhancements.

Clinical Audit

This project is being lead by Sofie Ioannidis

The next Clinical Audit Steering Committee meeting is scheduled for Wednesday 11th June 2008.

Background work has continued in some capacity by the working groups, Group 1 - KPI setting - Quality & Safety Aggregation & Group 2 - Technical Working Group.

ANNUAL FORUM

Tuesday 17th June 2008 5.00pm-7.15pm

Manningham Council Offices, Function Room 1
699 Doncaster Road, Doncaster 3108

5.00 pm	Registration and refreshments Community services & poster display	
5.15 pm	Welcome	David Allen Chair, Executive Committee
KEYNOTE ADDRESS		
5.20 pm	Opportunities for better coordination of cancer services	David Currow CEO Cancer Australia
CANCER SERVICE ENHANCEMENTS		
6.10 pm	Introduction	Andrew Smith Chair, Reference Group
6.15 pm	NEMICS highlights 2007- 2008	Paul Mitchell Director
6.25 pm	How do we know if we are really doing multidisciplinary care?	Ahmad Aly Upper Gastrointestinal Tumour Group
6.35 pm	Minimising delays in investigating lymph node enlargement	Geoff Chong Haematology Tumour Group
6.45 pm	Mapping the patient journey after a lung cancer diagnosis	Shane White Lung Tumour Group
6.55 pm	130 voices: Listening to our consumers	Margaret McKenzie CanNET Victoria Project
7.10 pm	Summary and close	Christine Scott Manager

All Welcome Free parking available on site

RSVP essential : Jan Townsend on 9496 3322

E: jan.townsend@austin.org.au by Wednesday 11 June 2008