

Using SMS mobile technology to m-support nursing students in clinical placements

Bev Mackay



This Presentation

- North Tec
- Background
- Primary Health Care Nursing
- The M-support Project
- Research findings
- Conclusions

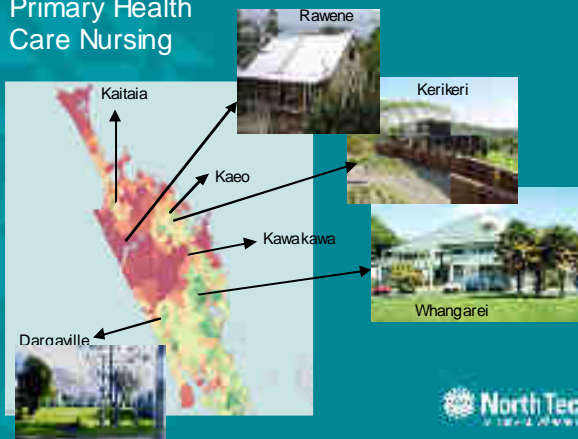


Primary Health Care Nursing

- Clinical Placements
 - Practice Nurses
 - Public Health Nurses
 - Maori Health Provider Nurses
 - District Nurses
 - Others



Primary Health Care Nursing



Primary Health Care Nursing

- Formative activities -Workbook
 - Reflective work
 - Student feedback forms (clinical placement)
 - Weekly tutorials
 - Weekly interview or meeting with Lecturer.
 - Other written work – care plan, drug summary.
- Summative –Clinical Standards



NorthNet Flexible Learning

Welcome to NorthNet.

NorthNet is the e-learning space that supports flexible and distributed learning for students at NorthTec.

For more information about NorthTec and a complete list of courses please see the homepage at www.northtec.ac.nz



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E-learning Support

Tasks

Reflective Exercises: These have been developed to support your critical thinking about clinical experience. **N.B.** Completion and presentation of Reflective Exercise E at tutorial is compulsory.

- Exercise A - Community nursing role
- Exercise B - Socio-political influences
- Exercise C - Application of theory to nursing practice
- Exercise D - Nursing research
- Exercise E - Nursing in community settings

Learning Resources

- Example of a Reflective Exercise E
- Readings and websites

Reflective Log: You can submit your logs online. This will enable me to give you immediate feedback:

- Log 1
- Log 2
- Log 3

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Reflective Work

Mobile Support (m-support)

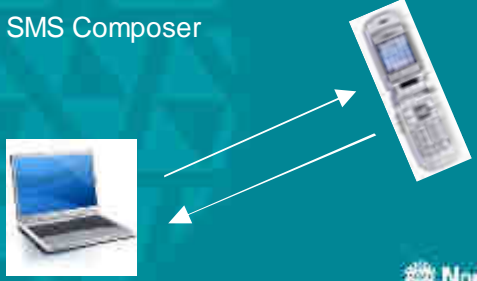


- Close to the owner
- SMS
 - Asynchronous communication
 - Cost
 - Flexibility
 - Private to public domain
 - Telecommunication technology

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Telecommunication Technology

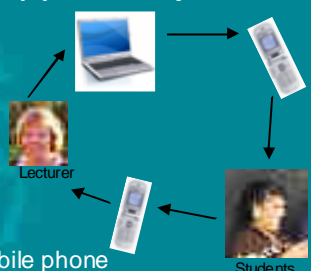
- eTXT
- SMS Composer



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The M-Support Project

- SMS
 - Support
 - Motivate
 - Communicate
- eTXT
 - Computer to mobile phone
 - Computer keyboard
 - 160 characters



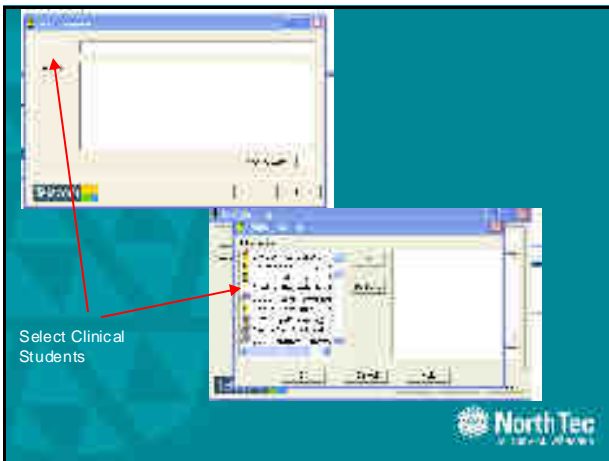
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SMS eTXT Technology



eTXT Software
SMS Composer.

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M-support -Criteria

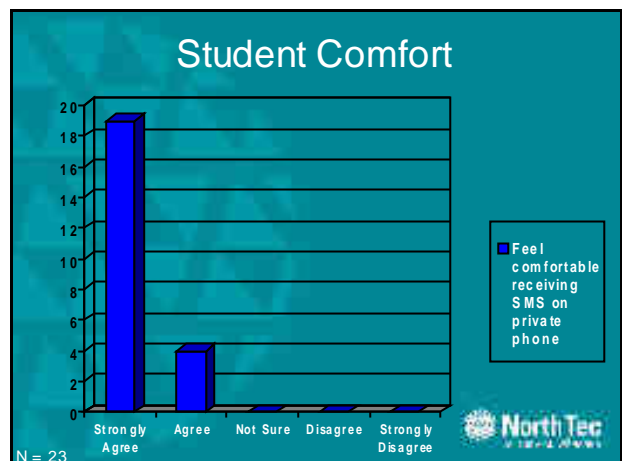
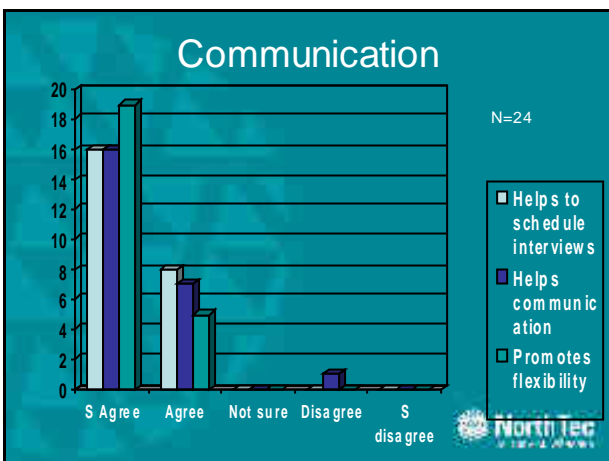
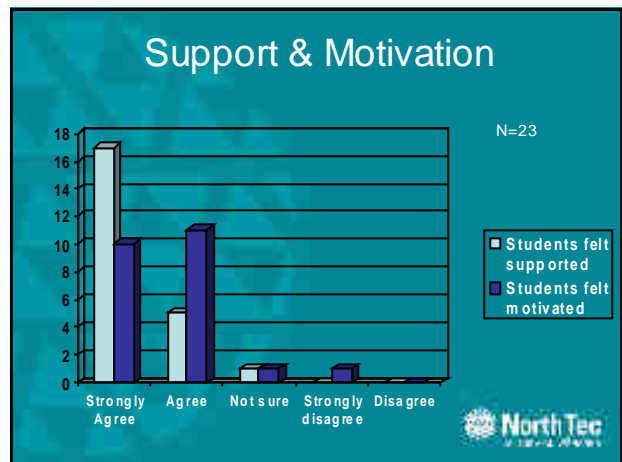
- Students felt
 - Supported by lecturer
 - Motivated to complete work
- Communication
 - Enhanced between student & lecturer
 - E.g meetings
 - Flexible communication
 - Regardless of time & place
- Student acceptance
- Cost not prohibitive

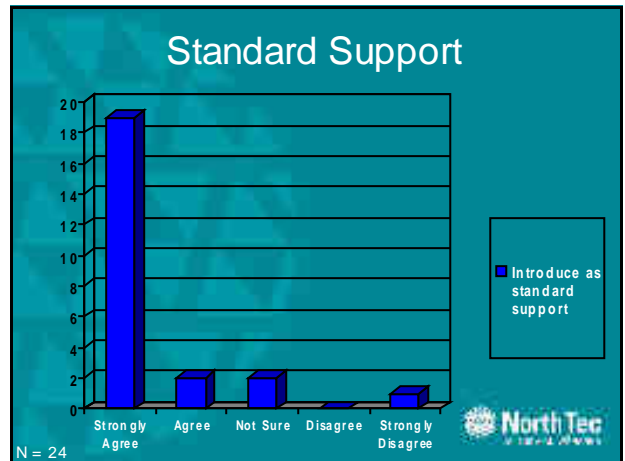
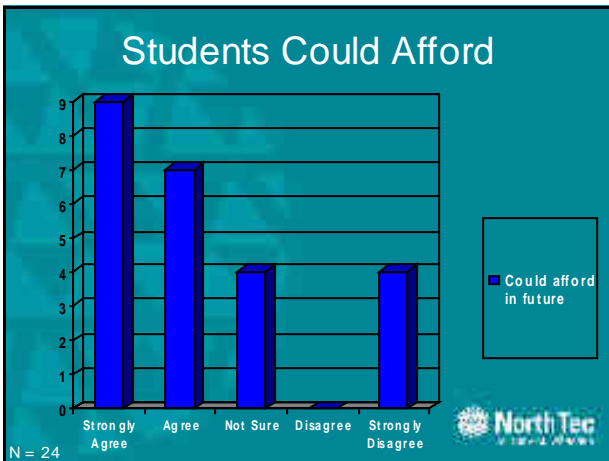
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Research Methodology

- Sample
 - N=41 (31 to date), Male – 2.
 - Age
 - Range – 18-56years, average – 31yrs
- Mixed method
 - Student survey
 - SMS messages
 - Number and nature sent and received
 - Field notes and observation

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Student Comments

- Convenience
- Like SMS M-support
- Cost

A photograph of a silver flip phone is shown on the right side of the slide. The North Tec logo is in the bottom right corner.

Text Message History

A screenshot of a Windows file explorer window showing a folder named 'SMS Received'. A red arrow points from the folder name to the word 'HISTORY' written on the slide. Another red arrow points from a mobile phone icon to the 'SMS Received' folder. The North Tec logo is in the bottom right corner.

Sent SMS Messages n=381

Originals to students	284 (75%)	Responses to students	97 (25%)
Break down of originals to students			
		Group	207 (73%)
Group messages - themes			
	Motivate	Tutorial	Support Other
	70 (34%)	92 (44%)	6 (3%) 39 (19%)

Example Group Text

- Motivate


“R U settling in OK? This wk get to know routine & people. Do learning obj. Show wkbook 2 staff. Reply 2 this txt tell me how u r doing. ☺.”

- Support

“How are you getting on? Is everything OK? Let me know, txt back if possible.”


Sent SMS Messages n=381

Originals to students	284 (75%)	Responses to students	97 (25%)
Break down of originals to students			
Individual	77 (27%)	Group	207 (73%)
Individual messages - themes		Group messages - themes	
Meeting	Motivate	Support	Other
65 (84%)	2 (3%)	7 (9%)	3 (4%)
Motivate	Tutorial	Support	Other
70 (34%)	92 (44%)	6 (3%)	39 (19%)



Examples Individual Text


- Meeting
"Got your care-plan, looks good. Can I come and see u tom Wed at 1230pm? ☺"
- Support
"Is everything OK now? All set for the week?"



Received Messages (from students)



Received SMS Messages n=154

Responses n= 139 (90%)		Originals n= 15 (10%)		
Themes				
Clarify	Tutorial	Meeting	Progress	Other
25 (16%)	13 (8%)	72 (47%)	32 (21%)	12 (8%)





Examples Student Texts

- Meeting
"Just saw yr message, yea that sounds great I'll c u at 3.30pm on Monday with my work."
- Progress
"Thanks 4 ur inquiry. Am loving it. Wonderful. Removed stitches on 2 pts already n done dressings 2!"





Costs for Students

- Cell phones – 91%
- One student first block excluded
- Two students used clinical prepay phones
- Cost
 - 20 cents / text message
 - Thirty one students
 - 220 messages in total - \$44
 - \$1.42 per student per clinical block

Item	Amount	Total \$
Monthly eTXT Access Fee (\$10) (free -3 months(\$30)& joining fee \$90)	5	20
Student prepay cards (Vodafone) (\$20)	19	380
Student prepay cards (Telecom) (\$10)	10	100
Student prepay phones (\$100)	2	200
Sent messages via eTXT (Telecom) (10c)	160	16
Sent messages via eTXT (Vodafone) (17c)	221	38
Pre eTXT Sent messages via web text & clinical phone (20c)	80	16
Total North Tec Costs/Project To date		\$770



My Perceptions

- Ease of Communication
 - eTXT, outlook, computer keyboard
 - SMS Composer –text language
 - Access from home
- Connectivity to students
 - Limits interruptions to workplaces & client care
 - Effective & flexible
- Improvements
 - ETXT
 - No names on responses
 - Toolbar



Conclusions

- Students supported and motivated
- Enhanced communication
- Increased flexibility
- Student acceptance
- Affordable costs
- Future
 - Standard practice clinical module
 - Investigate other uses



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