The Evaluation of Nursing Cart In Inpatient Medication And Documentations

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LI SHIN HOSPITAL

Medication Process

Prescribing

Transcription

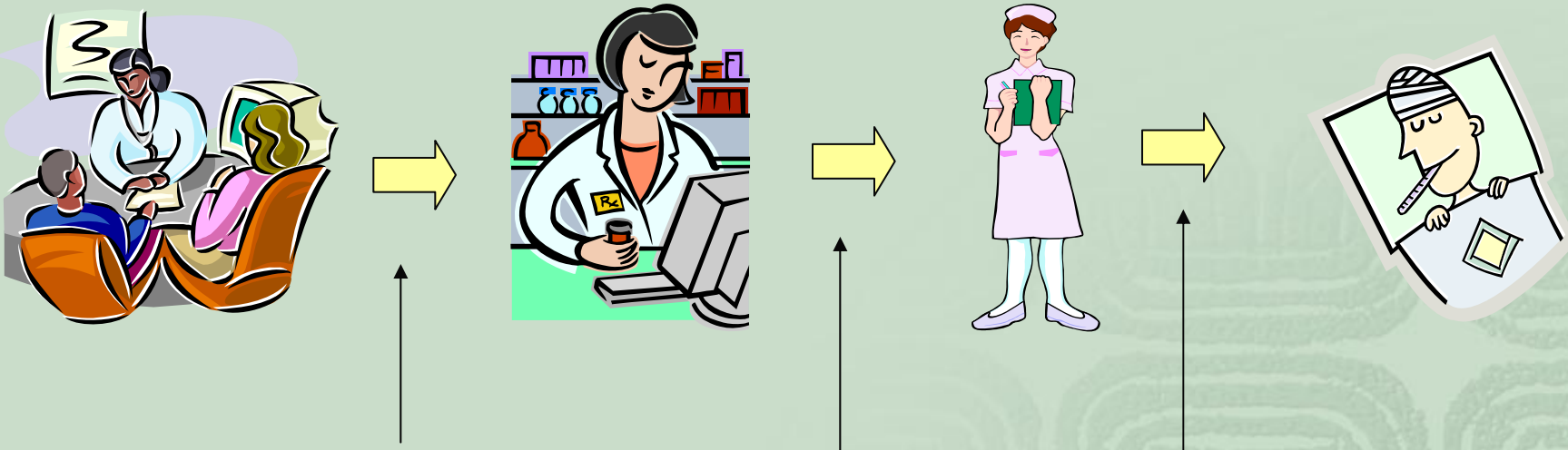
Dispensing

Administration

Monitoring

Medication administration record

Tools for the care givers



CPOE
(*Computerized Physician Order Entry*)

Automatic drug dispensing system

????

The previous study

- 98 nurses (about 51% fellows) were interviewed for what kind of nursing cart they would like.
- More than 70% nurses accepted to take the mobile tools with the nursing cart together.

Mobile tools compare

	Tablet PC	Laptop	PDA	Panel PC	Desktop
battery life	2~4 HR	2~4 HR	1~2 HR	2~4HR	Too short
screen size	10”~12”	12”~15”	Too small	15”~17”	15”~17”
weight	1.5~2.5 Kg [a]	2-3Kg	200 g	5-10 Kg	5-10 Kg
results	✗		✗		✗

The Tablet PC is too heavy for a female in Taiwan to take in hand for a long time.

The nursing cart We built

Touchable screen

battery

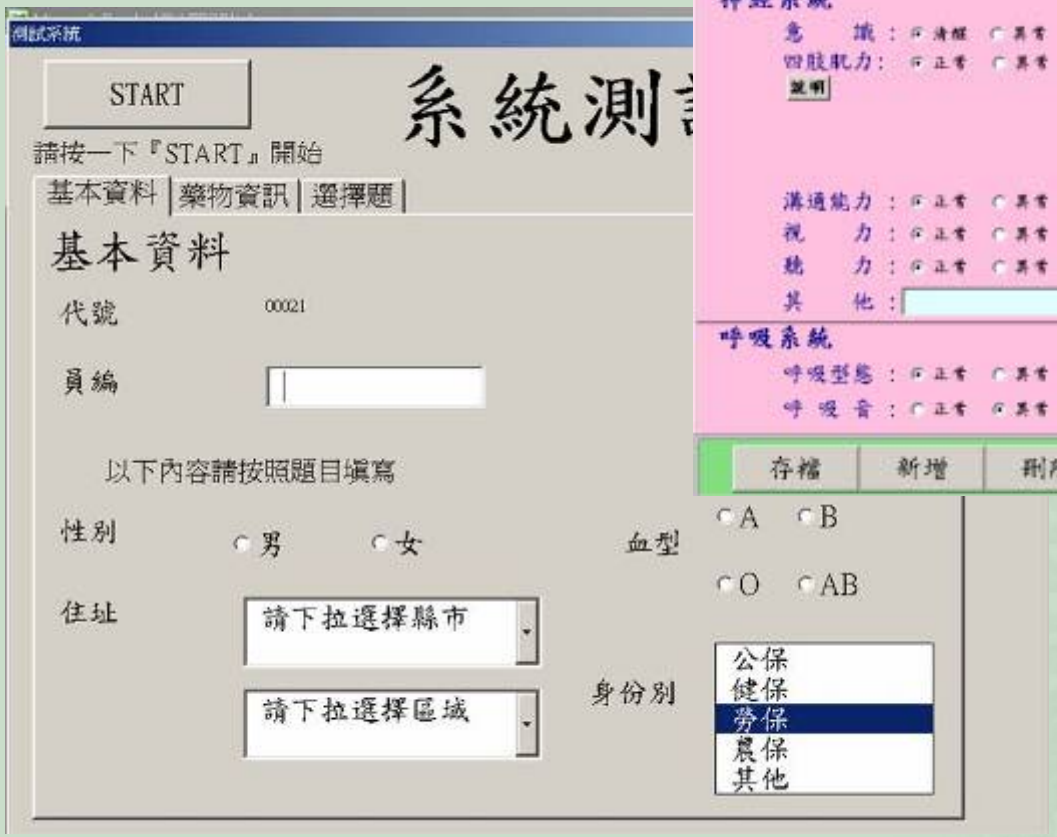
keyboard

The Panel PC

The laptop with a touch screen

HIS and simulate Excel VBA

Excel VBA program

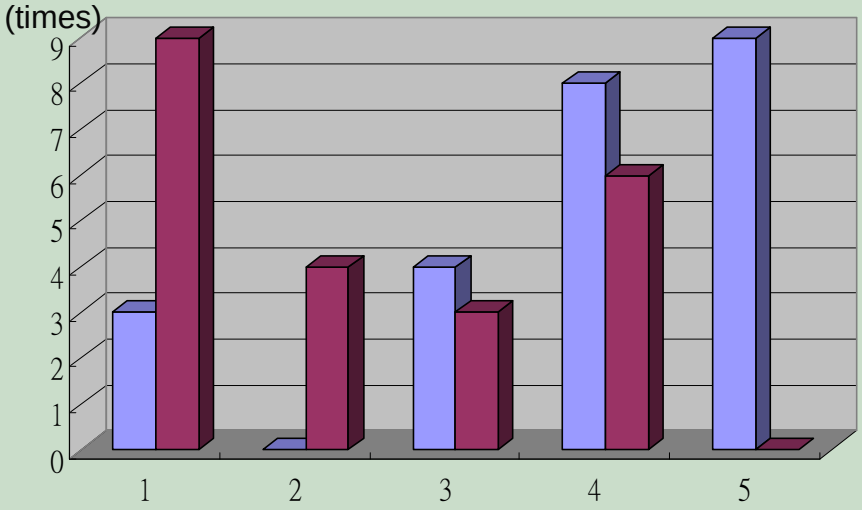


Nursing Information System

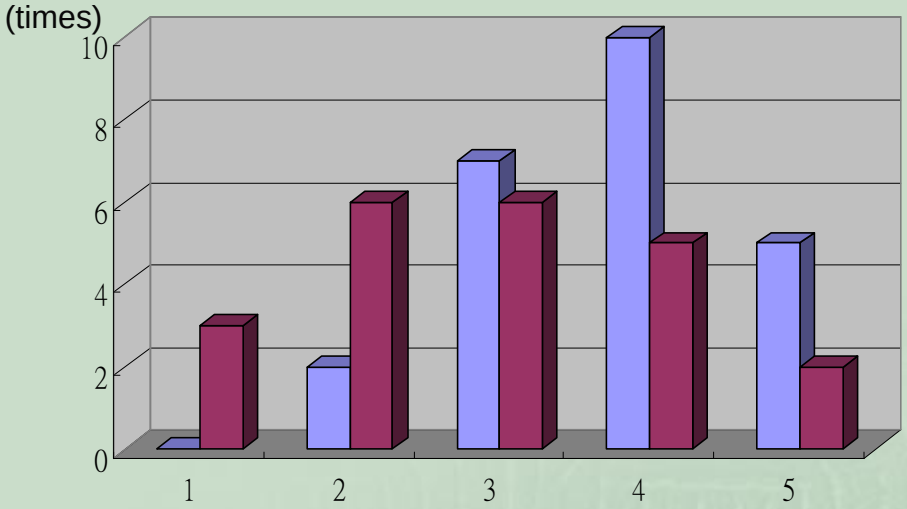
Results

- Of all the 23 items, there are 9 items meaning in statistics ($p<0.05$).
- Most of fellows thought the Panel PC would be more useful than laptop with touch screen.
- In the time test, the nurses spent more 44 seconds when they use laptop with touch screen averagely to finish a scenario.

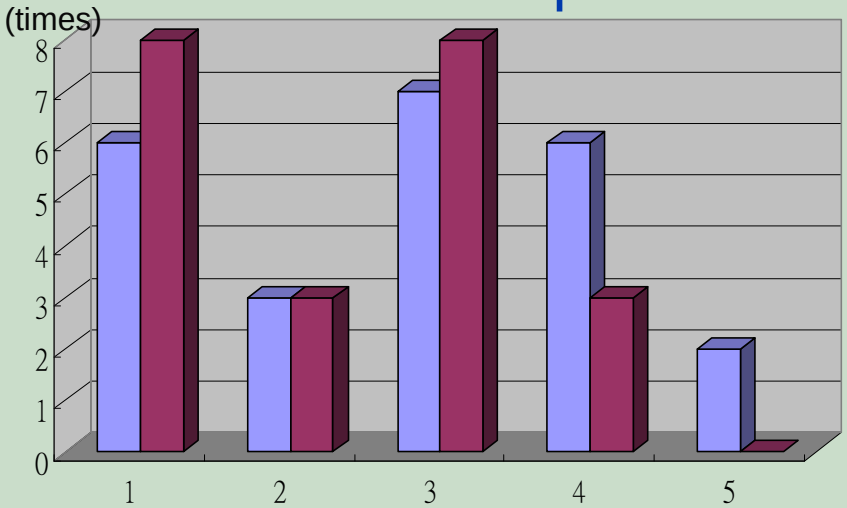
I am easy to use the keyboard



I am easy to get the items I need



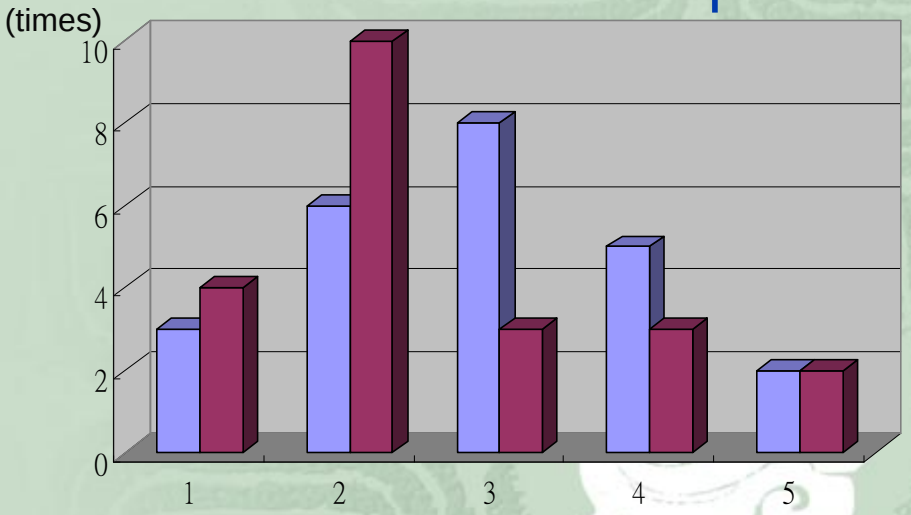
I am faster to in put data



Panel PC

The laptop with a touch screen

Over all I can accept



1 scale is the most disagree

5 scale is the most agree

The results of qualitative research

The Panel PC

- The screen is bigger, clear, and bright
- bigger working space
- The touch screen is sensitivity
- More beautiful
- Easy to adjust the touch screen

The laptop with a touch screen

- light and handy
- The wireless is unstable
- Shorter battery life
- The position of keyboard is too high

Conclusion

- The result showed that the nursing cart with Panel PC would be better option
- We still need to consider some factors, such as, the price, the maintain cost.
- in the further research we hope we can find out the useful and effective nursing cart for the nurses to do their daily works.

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