

EVERY MINUTE. EVERY HOUR. EVERY DAY, WE CARE.

# Is a Health and Wellness program based on Telehealth profitable in a workplace environment?

A managerial approach

who cares... care







- Telehealth
- Health and Wellness program
- Workplace environment
- Managerial approach

- Silver Chain (biggest community) healthcare provider in Western Australia ~2600 staff)
- Head office in Perth (~200 staff)
- Currently starting 2 research programs on Telehealth in Community
- Project for introducing the usage of Telehealth at the same time to own staff









## Using Telehealth in a workplace environment for a Health and Wellness program (adapted from Danna and Griffin, 1999)

# **Antecedents** Consequences Health and Work setting Individual Wellness in Personality traits the Organizational workplace Occupational stress

# Telehealth equipment



















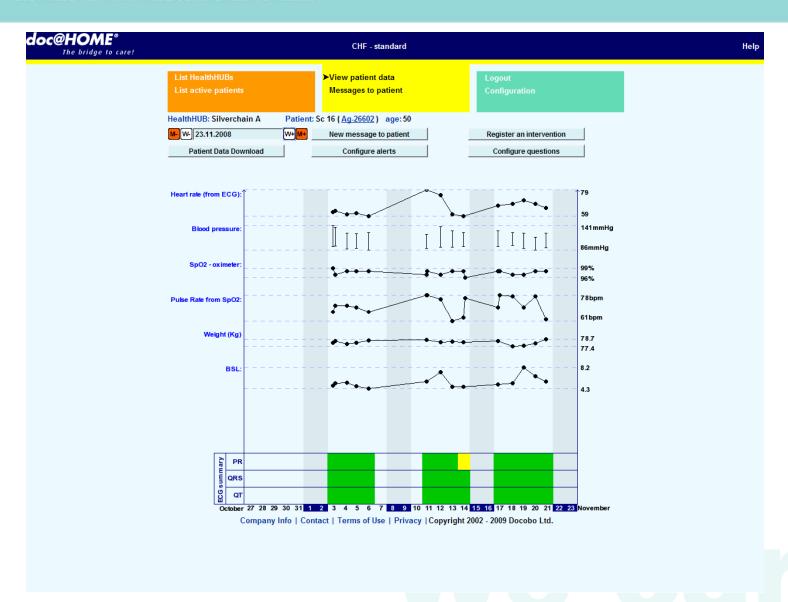
- Dedicated private room to record data on a "flextime" basis
  - \* ECG
  - Blood pressure
  - SpO2
  - Heart rate
  - Weight
  - ❖ Blood Sugar Level
- Secure access to private data
- First levels of advices from nurses

# Example of staff data









# Details of ECG















Variable	Question	AVG	SD
V1	Using the equipment on a regular basis was easy	4.5	0.5
V2	I got used to all the equipment quickly	4.5	0.6
V3	I trusted the accuracy of the equipment	4.2	0.4
V4	The self-management of data was motivating	4.3	0.6
V5	My overall opinion on Telehealth is positive as a result of this trial	4.6	0.5
V6	The trial helped me to know more about my health	4.5	0.5
V7	Knowing the results has lead me to modify my habits	3.6	0.8
V8	It would be worth having the equipment accessible at Silver Chain for all staff	4.5	0.6
V9	I would continue to use the equipment if it was accessible all year	4.4	0.8
V10	Additional equipment would be useful	3.7	0.8
V11	Additional questions on general wellness would be useful	3.9	0.8

# Relations between variables





	V1 -	Ea	ise of use								
V1	1.000	V2		overall opinion on							
V2	0.507*	1.000	V3		Telehealth)			better knowledge about			
V3	0.346	0.293	1.000	V4	V		personal health				
V4	0.359	-0.152	0.311	1.000	V5						
V5	0.734**	0.266	0.182	0.395	1.000	V6					
V6	0.503*	0.425*	0.058	0.126	0.601**	1.000	V7				
V7	-0.189	-0.053	-0.036	-0.215	0.073	0.362	1.000	V8			
V8	0.424*	0.215	0.049	0.259	0.685**	0.503*	0.198	1.000	V9		
V9	0.311	0.158	-0.036	0.145	0.541*	0.506*	0.247	0.954**	1.000	V10	
V10	-0.181	-0.255	-0.383	0.054	0.032	-0.030	-0.057	0.077	0.094	1.000	VII
V11	0.062	0.263	0.466*	-0.078	0.215	0.318	0.129	0.163	0.189	0.056	1.000

$$(**) p < 0.01, (*) p < 0.05$$



- Efficient combination of Telehealth with a Health and Wellness program in workplaces is well founded
- Ease of use is crucial
- Overall opinion on Telehealth and better knowledge about personal health appear as playing a major role in the underlying model
- Number of participants and duration of the Telehealth usage are contributing positively to the success of the program









# Testing a model measuring the potential impact of Telehealth in workplaces and the workers performance (according criteria that need to be defined)