一般口演B

[OB5] 一般口演 B

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[OB5-01] Factors associated with repeated participation in telemedicine and health checkups in Bangladesh and India

*Fumihiko Yokota¹, Ashir Ahmed², Mariko Nishikitani¹, Rafiqul Islam³, Rajib Chowdhury⁴, Raisa Tasneem⁴, Manish Biyani⁵, Rajshri Nagar⁵, Kimiyo Kikuchi¹, Reiko Izukura³, Yasunobu Nohara³, Naoki Nakashima³ (1. Institute of Decision Science for Sustainable Society, Kyushu University , 2. Graduate School of Information Science and Electrical Engineering, Kyushu University, 3. Medical Information Center, Kyushu University Hospital, 4. Grameen Communications, Dhaka, Bangladesh, 5. Department of Nursing, Biyani Group of Colleges, Jaipur, Rajasthan, India)

Factors associated with repeated participation in telemedicine and health checkups in Bangladesh and India

Fumihiko Yokota^{*1}, Ashir Ahmed^{*2}, Mariko Nishikitani^{*1}, Rafiqul Islam^{*3}, Rajib Chowdhury^{*4}, Raisa Tasneem^{*4}, Manish Biyani^{*5}, Rajshri Nagar^{*5}, Kimiyo Kikuchi^{*1}, Rieko Izukura^{*3}, Yasunobu Nohara^{*3}, Naoki Nakashima^{*3}

*1 Institute of Decision Science for Sustainable Society, Kyushu University, Fukuoka, Japan;
*2 Graduate School of Information Science and Electrical Engineering, Kyushu University, Fukuoka, Japan;
*3 Medical Information Center, Kyushu University Hospital, Fukuoka, Japan
*4 Grameen Communications, Dhaka, Bangladesh

*5 Department of Nursing, Biyani Group of Colleges, Jaipur, Rajasthan, India

Abstract:

This study investigated factors associated with repeated participations in telemedicine and health checkups provided for office workers as non-communicable disease prevention and management intervention. Baseline survey including questionnaires, health checkups, and telemedicine services was conducted for 538 office workers at Dhaka, Bangladesh and Jaipur, India. After the 6 months, the second survey was conducted. Dependent variable was a repeated participation after 6 months and independent variables were age, sex, education, marital status, body mass index [BMI], hypertension, pre-diabetic, and urinary protein status. Participants aged 30-39, 40-49, 50-59, 60+ years old had higher odds ratios (ORs) than those aged 18-29 to participate again after 6 months (OR=3.7, P<0.001; OR=4.6, P<0.001, OR=4.3, P<0.001, OR=4.1, P<0.0001, respectively). Participants with BMI ≥ 25 and urinary protein positive were significantly less likely to repeatedly participate after 6 months (OR=0.67, P<0.005; OR=0.62, P<0.05, respectively). People aged 18-29, BMI ≥ 25, and urinary protein positive need more follow-up support for regular tele-health checkups.

Keywords: Telemedicine, Health check-up, Non-communicable Diseases, Prevention, Disease Management

Table 1: Adjusted Odds Ratios (ORs) and 95% Confidence Intervals (CIs) for the factors associated with repeated participation (N=538)

Items	ORs	Р	95% CIs
Age groups (Years)			
18–29	1		
30–39	3.66	0.001	1.69-7.91
40-49	4.58	0.001	2.06-10.20
50-59	4.31	0.001	2.01-9,22
≥60	4.10	0.004	1.58-10.67
Sex			
Female	1		
Male	0.91	0.703	0.56-1.49
Levels of education			
Less than high school completed	1		
College, university, or higher completed	1.33	0.153	0.90-1.95
Marital status			
Never married	1		
Ever married	0.90	0.802	0.40-2.02
BMI category			
Normal (<25 kg/m ²)*	1		
Overweight or obese (=>25 kg/m ²)	0.665	0.037	0.45-0.98
Hypertension			
No	1		
Yes	1.34	0.181	0.87-2.07
Pre Diabetes (Blood Glucose => 126mg/dl)			
No	1		
Yes	1.11	0.609	0.75-1.64
Proteinuria (Urine protein => 30 mg/dl)			
No	1		
Yes	0.62	0.027	0.41-0.95
Hyperuricemia (Blood uric acid=>7 mg/dl)			
No	1		
Yes	1.53	0.071	0.96-2.42