Supplementary Material

Table S1. The questionnaire in this study.

Part One: The attitude towards telehealth nursing

Please answer the following questions according to your personal opinion towardstelehealth nursing, at this moment.

Statement	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1. I think that telehealth communication system is able to provide medical personnel with information interpretation function.	☐	☐	☐	☐	☐
2. I think the ability of telehealth communication system to provide accurate informationis very important in telenursing.	☐	☐	☐	☐	☐
3. I think the ability of telehealth communication system to instant messages is very important in telenursing.	☐	☐	☐	☐	☐
4. I think the ability oftelehealth communication system tofire instant alertas soon as it receives abnormal physiological measurements, including blood pressure, heart rate, blood glucose and blood oxygen values is very important in telenursing.	☐	☐	☐	☐	☐
5. I think that telehealth communication system is able to increase work efficiency.	☐	☐	☐	☐	☐
6. I think that nurses involving in telenursing must be familiari with the use of telehealth communication system.	☐	☐	☐	☐	☐
7. I think that an easy-to-learn and easy-to-use telehealth communication system is very important for telenursing.	☐	☐	☐	☐	☐
8. I think that telenursing would assist people with disabilities, older adults and patient with chronic diseases.	☐	☐	☐	☐	☐
9. I think that telenursing can help the person being served to carry out self-care in their home or the living environment they are familiar with.	☐	☐	☐	☐	☐
10. I think that telenursing can help the person being served with the ability to self-manage and consequently in controlling health issues (e.g. blood pressure, blood glucoseetc).	☐	☐	☐	☐	☐
11. I think that telenursing can help the person being served to develop good personal health management habits.	☐	☐	☐	☐	☐
12. I think that telenursing can help caregivers to improve care skills.	☐	☐	☐	☐	☐
13. I think that telenursing can help the person being served to reduce the frequency of hospital visits.	☐	☐	☐	☐	☐
14. I think that telenursing can help the person being served to save time in hospital-consultation.	☐	☐	☐	☐	☐
15. I think telenursing can help reduce national health insurance expenditure.	☐	☐	☐	☐	☐
16. I think that nurses play very important roles in telenursing.	☐	☐	☐	☐	☐
17. I think that professional competence is very important for telehealth nurses.	☐	☐	☐	☐	☐
18. I think that nurses participating in telehealth musthave excellent communication skill.	☐	☐	☐	☐	☐
19. I think that nursesparticipating in telehealth must have ability to provide care and consultationfor chronicdiseases.	☐	☐	☐	☐	☐

Part Two: Subjective norm (social influence factors)

Which social factors will influence your willingness to participate in telenursing? Please answer the following questions according your personal situation.

	Statement	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1.	Being supported by supervisors willenhancemy willingness to participate in telenusing	☐	☐	☐	☐	☐
2.	An understanding that telenursing is the future trend of healthcare policy will enhancemy willingness to participate in telenursing.	☐	☐	☐	☐	☐
3.	Knowing that relatives and friends has used telehealth care will enhance my willingness to participate in telenursing.	☐	☐	☐	☐	☐
4.	Knowing that colleagues or classmates has engaged in telenursing will enhance my willingness to participate in telenursing.	☐	☐	☐	☐	☐

Part Three: Perceived Behavior Control (all external resources and self-efficacy)

Please select the most suitable situation.

	Statement	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1.	I am a nurse with professional nursing skills.	☐	☐	☐	☐	☐
2.	I have a positive attitude and the ability to inspire chronic patients.	☐	☐	☐	☐	☐
3.	I am able to use the information system of the current work unit to complete my work smoothly.	☐	☐	☐	☐	☐
4.	I am able to search the information I need from the internet.	☐	☐	☐	☐	☐
5.	I am able to learn new computer skills when demonstration and explanation are provided by instructors.	☐	☐	☐	☐	☐
6.	~~I almost have no ideas about *telenursing.*~~	☐	☐	☐	☐	☐
7.	My work institute/unit has held telenursing related on-the-job education courses	☐	☐	☐	☐	☐
8.	Relevant knowledge and on-the-job training on telenursing provided by work institute will enhance my willingness to participate in telenursing.	☐	☐	☐	☐	☐
9.	Being able to receive a quick response from the IT unitwhen I provide user feedback, will enhance my willingness to participate in telenursing.	☐	☐	☐	☐	☐

Part Four: Behavioral Intention

Please answer the following questions according to your personal willingness to work as a telehealth nurse.

	Statement	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1.	I am willing to spend time learning about telehealth related knowledge.	☐	☐	☐	☐	☐
2.	I am willing to involve in telehealth nursing services.	☐	☐	☐	☐	☐
3.	I am willing to improve my nursing profession taking advantage of all kinds of opportunitiesto meet the demand of telehealth nursing staff.	☐	☐	☐	☐	☐
4.	I am willing to take advantage of all kinds of opportunities to learn about how to use telehealth system and knowledge to meet the demand of telehealth nursing staff	☐	☐	☐	☐	☐
5.	I will actively attend on-the-job training courses ontelehealth.	☐	☐	☐	☐	☐
6.	I have attended on-the-job training courses or conference held internally in the hospital.	☐	☐	☐	☐	☐
7.	I have attended on-the-job training courses or conference held externally.	☐	☐	☐	☐	☐

Table S2. Summary of a traditional relative weight.

Predictor	B	ß	VIF	RW	CI-L	CI-U	RS-RW (%)
Criterion=Behavior intention							
[R^2 = 0.3046]							
Constant	6.262						
Perceived usefulness	0.117	0.130	3.283	0.031	−0.003	0.065	10.31
Perceived ease of use	−0.095	−0.062	2.637	0.013	−0.027	0.031	4.39
Compatibility	−0.006	−0.003	1.913	0.018	−0.019	0.049	5.90
Supervisor influence	0.548	0.153	2.841	0.046	−0.003	0.093	15.22
Peer influence	0.135	0.039	2.358	0.039	−0.002	0.083	12.72
Self-efficacy	0.032	0.018	1.697	0.021	−0.020	0.057	7.02
Facilitating conditions	0.864*	0.369	1.551	0.135 *	0.044	0.281	44.45
Criterion=Behavior intention							
[R^2 = 0.2515]							
Constant	4.967						
Attitude	0.007	0.013	2.026	0.0503 *	0.0173	0.1175	19.98
Subjective norms	0.437 *	0.231	2.057	0.0838 *	0.0304	0.1630	33.34
Perceptual behavior control	0.378 *	0.311	1.870	0.1174 *	0.0485	0.2131	46.68

B, unstandardized coefficient of regression; ß, standardized coefficient of regression; VIF, variance inflation factors; RW, raw relative weight; CI-L, lower bound of 95% confidence interval used to test the statistical significance of raw relative weight; CI-U, upper bound of 95% confidence interval used to test the statistical significance of raw relative weight; RS-RW, relative weight rescaled as a percentage of predicted variable in the criterion of behavior intention attributed to each indicator. * p value < 0.05