

Supplementary file

Questionnaire

Part I:

Demographic and Parkinson's disease-related clinical characteristics of surveyed participants (The second half is filled by the doctor) .

1. Name: _____
2. Gender: Male Female
3. Age: _____ years
4. Telephone Number: _____
5. Address: District_____ County/City_____ Province_____
6. Occupation: _____
7. ID Number: _____ 8. Marital Status: Unmarried Married
9. Education Level: Primary school(≤ 6 years) Middle school or High school
(7~12years) University or others(≥ 13 years)
10. Resident Location: Rural Urban (Including county)
11. PD course: _____ years
12. Number of anti-PD drug: \leq two drugs \geq three drugs

Part II:

Mobile phone usage and means of obtaining PD information

1. Do you have a cell phone? Yes No (The answer is yes, then answer the second question)
2. You have Non-smartphone Smartphone
3. Do you usually surf the Internet? Yes No (The answer is yes, then answer question 4)
4. The most commonly usage Cell phone Computer (Including desktops, laptops, and tablets)
5. Access to Parkinson's disease information Doctor (Outpatient) Computer
Cell phone Others (TV, Newspaper)

6. Ever heard of a mobile self-management program for chronic diseases? (Such as managing diabetes, high blood pressure) Yes No
7. I would use it, if it were free: SA A N SDA DA
8. I would try it out, if it were easy to operate: SA A N SDA DA
9. I would use it, if it allowed doctor to make medication change quicker:
SA A N SDA DA
10. I would use it, if it protected my privacy: SA A N SDA DA
11. I think it will solve the questions related to Parkinson's disease:
SA A N SDA DA
12. I think it will help remind me to follow doctors' directions:
SA A N SDA DA
13. I think it will reduce the psychological burden of Parkinson's disease:
SA A N SDA DA
14. I think it will reduce the frequency of seeking medical advice and the costs:
SA A N SDA DA
15. I believe it well be helpful for me to communicate with doctor:
SA A N SDA DA
16. I think it will be useful to manage my Parkinson's disease:
SA A N SDA DA
- (SA: Strongly agree; A: Agree; N: Neutral; SDA: Strongly disagree; DA: Disagree)

Part III

According to reference [23] Reboldi G, Moon SJ, Lee W-Y, Hwang JS, Hong YP, Morisky DE: Accuracy of a screening tool for medication adherence: A systematic review and meta-analysis of the Morisky Medication Adherence Scale-8. 2766 2017, 12(11).

<https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0187139>

Part IV

According to reference [25] Liu X, Wang R, Zhou D, Hong Z: Feasibility and acceptability of smartphone applications for seizure self-management in China:

Questionnaire study among people with epilepsy. 2600 2016, 55:57-61.

[https://www.epilepsybehavior.com/article/S1525-5050\(15\)00649-6/fulltext](https://www.epilepsybehavior.com/article/S1525-5050(15)00649-6/fulltext)