



# Two-staged Test for the Development of Patient Decision Aids

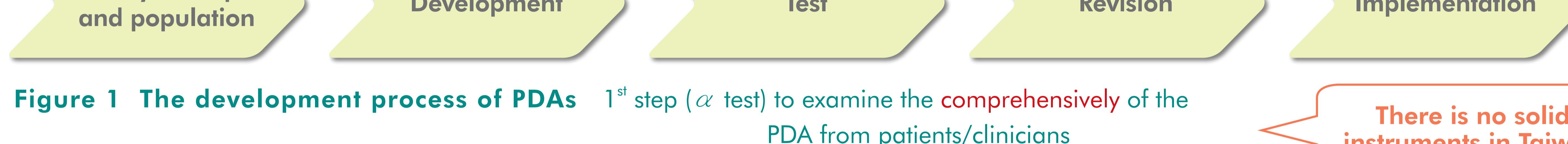
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## Background

- Shared decision making (SDM) is the way to improve the communication between health care providers and patients. After SDM process, both parties can make an appropriate optional decision.
- Patient decision aids (PDAs) including structured communication way are tools to help health care providers transfer the information to patients/families.
- Based on the development process for PDAs from the International Patient Decision Aid Standards (IPDAS) for shared decision making between patients and clinicians, there are two stages to test the comprehensibility, usability, and feasibility of the PDAs from the patients and medical specialists.
- However, there is no available tool currently in Taiwan.



**Figure 1 The development process of PDAs** 1<sup>st</sup> step ( $\alpha$  test) to examine the comprehensibility of the PDA from patients/clinicians  
2<sup>nd</sup> step ( $\beta$  test) to examine the feasibility of the PDAs

### 1<sup>st</sup> step $\alpha$ test:

- Subjects : 5-10 invited patients/medical staffs who were not in charge of the development process of PDAs
- Action 1 : review the content
- Action 2 : Revise the words or sentence
- Action 3 : Scoring

**Table 1a Patient version**

**Table 1b Clinicians version**

### 2<sup>nd</sup> step $\beta$ test:

- Subjects : 20-30 invited patients/medical staffs who encountered the medical situation to use the PDAs
- Action 1 : 9-item questionnaire were collected from patients after using PDAs
- Action 2 : 11-item questionnaire were collected from the medical staffs after using PDAs
- Action 3 : The feedbacks and recommendations for each section of PDA

## Validation of 2<sup>nd</sup> step $\beta$ test questionnaire

- Questionnaires were modified from the Preparation Decision Making Scale questionnaire developed from the Ottawa Hospital Research Institute

**Table 2a Questionnaire-Patient version**

請問這份決策輔助表資料					
沒有	很少	有一些	很多	非常多	
1 有助於您瞭解並作出一個決定?	0	1	2	3	4
2 有助於您盡快做出一個適當的決定?	0	1	2	3	4
3 有助於您思考並釐清您的優先順序?	0	1	2	3	4
4 有助於您思考並釐清您的優先順序?	0	1	2	3	4
5 有助於您瞭解並找出對於您最重要的是?	0	1	2	3	4
6 協助您整理自己對決策的想法?	0	1	2	3	4
7 有助於您瞭解並找出解決問題的步驟?	0	1	2	3	4
8 協助您釐清想請教醫師的問題?	0	1	2	3	4
9 有助於您與醫師表達最需要的點?	0	1	2	3	4
10 使用此輔助工具後,在面對目前的醫療問題?	0	1	2	3	4
11 您的焦慮程度?	0	1	2	3	4

**Table 2b Questionnaire-Clinicians version**

請問這份決策輔助表資料					
沒有	很少	有一些	很多	非常多	
1 有助於您的病人瞭解並作出一個決定?	0	1	2	3	4
2 有助於您的病人想像好做一個更好的決定?	0	1	2	3	4
3 有助於您的病人瞭解每個關懷選擇的優點與缺點?	0	1	2	3	4
4 有助於您的病人瞭解他所要的過程與決策?	0	1	2	3	4
5 有助於您的病人瞭解他所要的過程與決策?	0	1	2	3	4
6 幫助病人考量病人的偏好和顧慮,給予適當之醫療建議	0	1	2	3	4
7 有助於您的病人瞭解他所要的過程與決策?	0	1	2	3	4
8 幫助您的病人釐清他所要的過程與決策?	0	1	2	3	4
9 可以促進醫病溝通	0	1	2	3	4
10 可以提升病人健康識能	0	1	2	3	4
11 可以提升醫病關係	0	1	2	3	4

### • Item-analysis

### • Construct Validity

**Table 3**

Question	Patient version	Clinician version
1	-9.942***	-11.386***
2	-9.863***	-10.190***
3	-11.898***	-11.475***
4	-14.350***	-10.011***
5	-10.227***	-12.778***
6	-12.389***	-7.574***
7	-13.831***	-10.190***
8	-8.561***	-11.785***
9	-9.490***	-8.503***
10	-3.138***	-9.874***
11	-0.508	-7.046***

P-value for item discrimination test,

\*\* p-value <0.001

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