



PRIDD has content validity and is acceptable and feasible to patients

Pilot testing of the Patient- Reported Impact of Dermatological Diseases (PRIDD) measure

R. Pattinson¹, N. Trialonis-Suthakaran², R. Hewitt¹, M. Lopez², N. Gandomkari², J. Austin³, A. FitzGerald³, N. Courtier¹, M. Augustin², C. Bundy¹

INTRODUCTION

Dermatological conditions have a substantial physical, psychological and social impact on patients. The Global Research on the Impact of Dermatological Diseases (GRIDD) team is developing an **impact** measure of living with dermatological conditions. The current study aimed to pilot test PRIDD with patients with dermatological conditions, focusing on its content validity (comprehensiveness, comprehensibility, and relevance), acceptability and feasibility.

METHODS

We conducted a theory-led qualitative study using the Three-Step Test-Interview method of cognitive interviewing.

- Three rounds of semi-structured interviews were conducted online using video conferencing software.
- Adults (≥ 18 years) living with a dermatological condition and who spoke English sufficiently to take part in the interview and complete PRIDD independently (without a translator) were recruited through the International Alliance of Dermatology Patient Organizations' global membership network.
- The topic guide met the gold-standard COSMIN (Consensus-based Standards for the Selection of Health Measurement Instruments) standards for cognitive interviewing. Analysis followed the thematic analytical model of cognitive interviewing.

RESULTS

Twelve people (58% male) representing six dermatological conditions from four countries participated. Findings included:

PRIDD is comprehensible, comprehensive, relevant, acceptable, and feasible; recall period extended from 1 week to 1 month; response options changed from 6 to 5; changes to the instructions and question ordering and wording to improve clarity and increase ability to respond.

These adjustments resulted in a 26-item version of PRIDD.

*"I've completed a lot of dermatological questionnaires, but I **don't think I've ever seen them all integrated like this** in such a questionnaire ... I'm very, very happy with this. It has stirred my heart ... **There are things here that I wanted to discuss with my dermatologist.**" (Participant 5)*

DISCUSSION

We met the gold-standard COSMIN criteria for the pilot testing of health-related measurement instruments. The data triangulated our previous findings, strengthening our conceptual framework of impact. The resultant evidence of comprehensibility, comprehensiveness, relevance, acceptability, and feasibility of PRIDD provide evidence of content validity from the target population. We have since completed field testing of PRIDD. Psychometric testing is underway and will be followed by the cross-cultural translation.

