

# Clinical Trial Site Attitudes and Experiences in Managing BYOD EPRO: Results of a Qualitative Study

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## INTRODUCTION

Using bring-your-own-device (BYOD) to collect patient-reported outcomes (PRO) data is thought to improve convenience for trial participants. Seldom considered is the impact of BYOD on site workflow and activities, in comparison to using dedicated provisioned devices (PDs) provided to each participant.

This qualitative study investigated the attitudes and experiences of site personnel involved in two global studies using BYOD ePRO, with an aim of understanding and alleviating potential pain points (Study 1: age 50+, Study 2: 18+).



*"I think it just makes it easier for the participant. I think you're getting better data when they're interacting with something in a way that they're already used to interacting with it."* R.7



## METHODS

Twelve clinical trial coordinators (8: US, 2: SWE, 2: POL) provided informed consent and were interviewed using a semi-structured interview guide to explore:

- I. attitudes towards BYOD***
- II. differences in workflow between BYOD and PD***
- III. decision making criteria for BYOD vs PD***
- IV. benefits and challenges experienced.***

Interviews were recorded, transcribed and coded by thematic analysis and the responses grouped into findings by theme.

## RESULTS

- Sites allowed participants to choose BYOD vs PD
- Participants with suitable technology nearly always chose BYOD
- All sites smoothly transitioned some participants from PD to BYOD during the study (due to participants acquiring suitable new devices)
- There was no significant time increase in onboarding patients on BYOD vs PD
- Some participants forgot their app store log in details. Site training and communications could include reminders
- Site and participant training could include a description of the benefits of BYOD
- 10/12 respondents preferred the BYOD approach for the benefits they associated with BYOD:
  - 1. Participants using a single device***
  - 2. BYOD device more likely to generate timely responses***
  - 3. Participants already familiar with their own device***
  - 4. Higher completion compliance with BYOD***
  - 5. Increased reliability of data sending with BYOD as the participant had specifically chosen a network with good internet connection in their area.***



*"If they use their own devices, they're more proficient. So that's the big benefit (of BYOD), the biggest benefit".* R.3



## CONCLUSIONS

Sites found BYOD to be very acceptable, they appreciated the benefits and did not find managing access to the technology a burden. They found that BYOD led to good engagement and compliance with data completion.