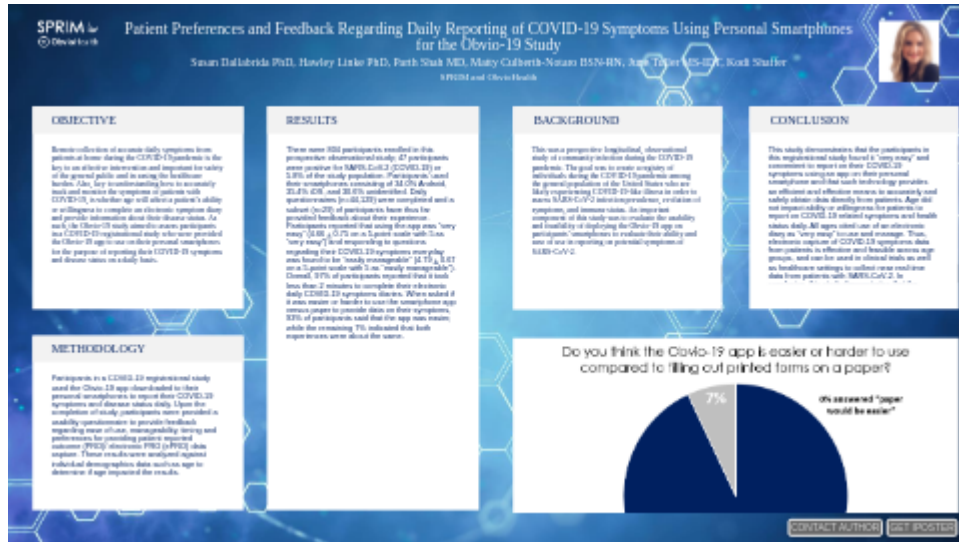


Patient Preferences and Feedback Regarding Daily Reporting of COVID-19 Symptoms Using Personal Smartphones for the Obvio-19 Study



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SPRIM and ObvioHealth



PRESENTED AT:



OBJECTIVE

Remote collection of accurate daily symptoms from patients at home during the COVID-19 pandemic is the key to an effective intervention and important for safety of the general public and in easing the healthcare burden. Also, key to understanding how to accurately track and monitor the symptoms of patients with COVID-19, is whether age will affect a patient's ability or willingness to complete an electronic symptom diary and provide information about their disease status. As such, the Obvio-19 study aimed to assess participants in a COVID-19 registrational study who were provided the Obvio-19 app to use on their personal smartphones for the purpose of reporting their COVID-19 symptoms and disease status on a daily basis.

METHODOLOGY

Participants in a COVID-19 registrational study used the Obvio-19 app downloaded to their personal smartphones to report their COVID-19 symptoms and disease status daily. Upon the completion of study, participants were provided a usability questionnaire to provide feedback regarding ease of use, manageability, timing and preferences for providing patient reported outcome (PRO)/ electronic PRO (ePRO) data capture. These results were analyzed against individual demographics data such as age to determine if age impacted the results.

RESULTS

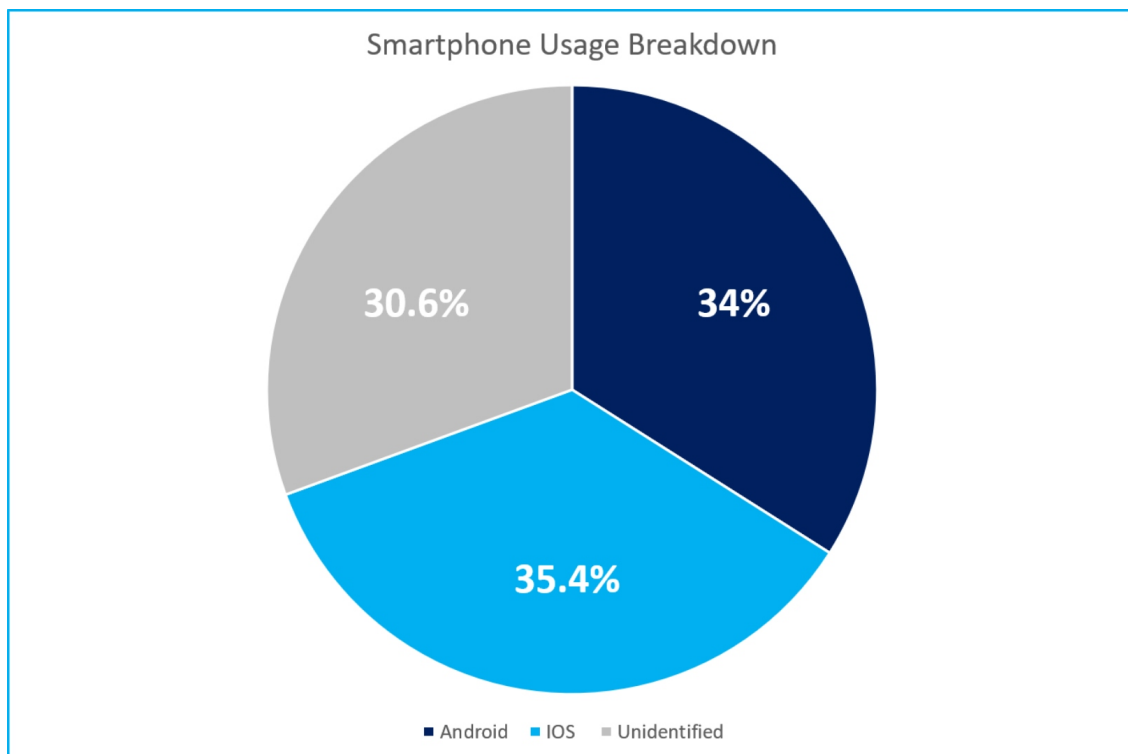
There were 804 participants enrolled in this prospective observational study; 47 participants were positive for SARS-CoV-2 (COVID-19) or 5.8% of the study population. Participants' used their smartphones consisting of 34.0% Android, 35.4% iOS, and 30.6% unidentified. Daily questionnaires (n=44,129) were completed and a subset (n=29) of participants have thus far provided feedback about their experience. Participants reported that using the app was "very easy" (4.66 ± 0.75 on a 5-point scale with 5 as "very easy") and responding to questions regarding their COVID-19 symptoms everyday was found to be "easily manageable" (4.79 ± 0.67 on a 5-point scale with 5 as "easily manageable"). Overall, 97% of participants reported that it took less than 2 minutes to complete their electronic daily COVID-19 symptoms diaries. When asked if it was easier or harder to use the smartphone app versus paper to provide data on their symptoms, 93% of participants said that the app was easier, while the remaining 7% indicated that both experiences were about the same.

BACKGROUND

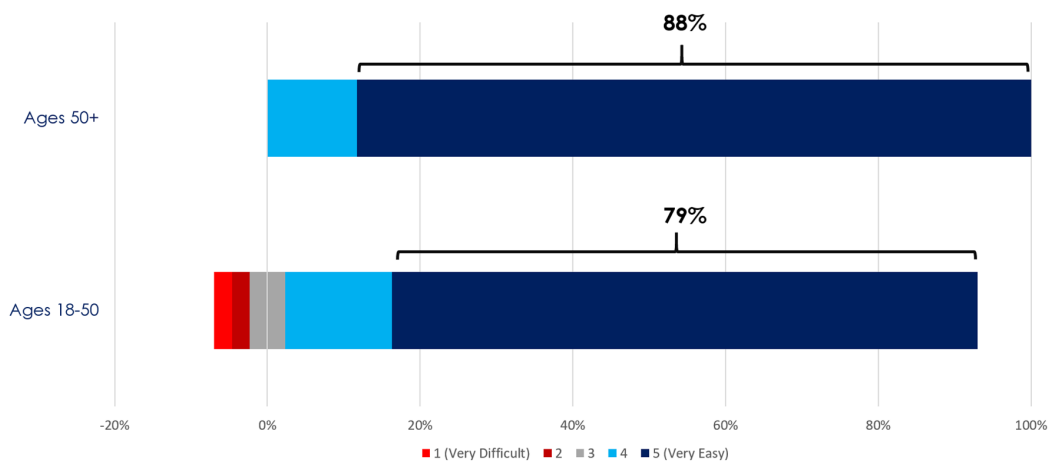
This was a prospective longitudinal, observational study of community infection during the COVID-19 pandemic. The goal was to create a registry of individuals during the COVID-19 pandemic among the general population of the United States who are likely experiencing COVID-19-like illness in order to assess SARS-CoV-2 infection prevalence, evolution of symptoms, and immune status. An important component of this study was to evaluate the usability and feasibility of deploying the Obvio-19 app on participants' smartphones to evaluate their ability and ease of use in reporting on potential symptoms of SARS-CoV-2.

CONCLUSION

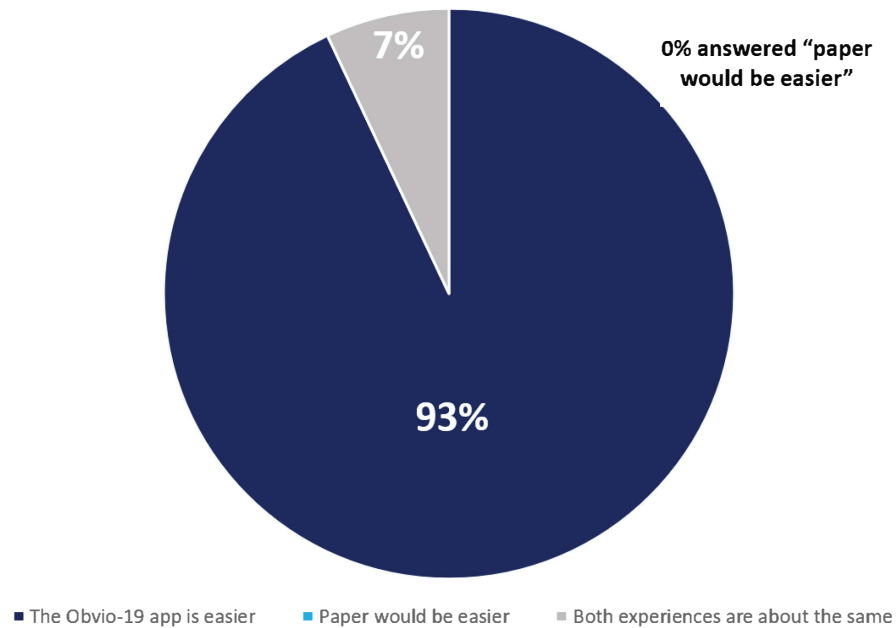
This study demonstrates that the participants in this registrational study found it “very easy” and convenient to report on their COVID-19 symptoms using an app on their personal smartphone and that such technology provides an efficient and effective means to accurately and safely obtain data directly from patients. Age did not impact ability or willingness for patients to report on COVID-19 related symptoms and health status daily. All ages cited use of an electronic diary as “very easy” to use and manage. Thus, electronic capture of COVID-19 symptoms data from patients is effective and feasible across age groups, and can be used in clinical trials as well as healthcare settings to collect near real time data from patients with SARS-CoV-2. In conclusion, this study demonstrates that the Obvio-19 app was easily usable by study participants in a COVID-19 registrational study.



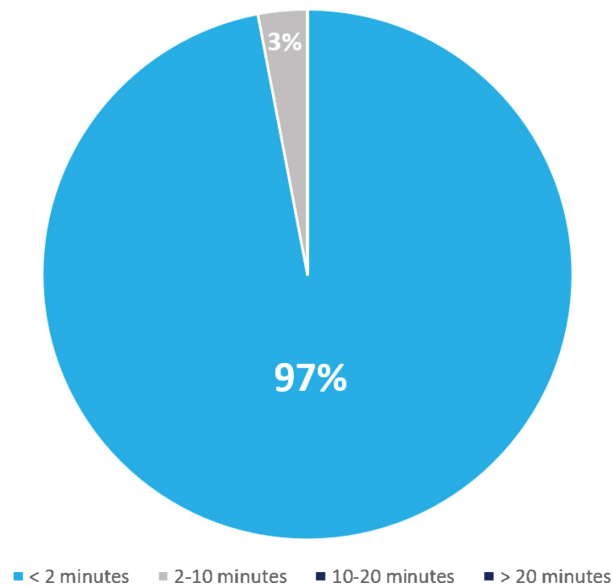
Please rate the Obvio-19 application's overall ease of use on a scale of 1 to 5



Do you think the Obvio-19 app is easier or harder to use compared to filling out printed forms on a paper?



How much time did it take you to fill out the once-a-day questionnaire once you got used to the format and questions?



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