

Security Language
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Wearable Devices (FitBit)

The participant will be given a copy of the Fitabase Authorization Page (written) for review. The participant will also be given a copy of the Fitabase Terms of Use and the Privacy Policy for review during the consent process. If the participant agrees to authorize Fitabase to access his or her Fitbit data the PI will create a profile for the participant that includes their assigned unique study identifier. The PI will then use an internet-connected computer (laptop) to “manually connect a device” to the unique identifier. This will open a Fitbit authorization window in a web browser. The participant will be asked to enter their Fitbit login information (username and password) to connect their Fitbit and authorize Fitabase to read and access their Fitbit data. This information will 1) be entered outside of the view of the PI and 2) is not passed to the Fitabase system as it uses the oAuth protocol established for API authentication. When the participant enters their information and connects their Fitbit account to Fitabase the in person authorization will be completed. This completion also signals an acceptance of the Fitabase Terms of Use and Privacy Policy.

If the participant is being contacted online to complete the Phase One Interview and Survey Measures an online authorization will occur. The participant will be asked for a valid email address to send the authorization link. The PI will then create a profile for the participant that includes their assigned unique study identifier. A link to Fitabase Authorization Page will be emailed to the participant. The online Fitabase Authorization Page contains the same text as the Fitabase Authorization page (written) included in the study documents. At the bottom of the online Fitabase Authorization page a “connect your device” button is present. The participant will be asked to read the authorization page and if they agree, to connect their Fitbit and authorize Fitabase to read and access their Fitbit data. This information will 1) be entered outside of the view of the PI and 2) is not passed to the Fitabase system as it uses the oAuth protocol established for API authentication. When the participant enters their information and connects their Fitbit account to Fitabase the online authorization will be completed. This completion also signals an acceptance of the Fitabase Terms of Use and Privacy Policy.

Study Access to Fitbit Data. The PI has set up a study group within the Fitabase system for generating unique identifiers and connecting participants Fitbit devices to the Fitabase system. When the PI logs into the Fitabase system they will be able to see all currently connected devices and the associated study identifiers. Each study identifier has a profile that includes the Fitbit data described above and in the consent documents. Upon authorization by the participant the Fitabase system will begin downloading their complete historical data gathered by the participants as they have used their Fitbit device(s). This may take up between one hour and one day to complete depending on the amount of data they have collected (length of time using the Fitbit). When the data has been downloaded to Fitabase the PI will navigate to the participant’s profile and download CSV (comma separated value) files that contain the physical activity and sleep data to the secure lab server. No other data will be downloaded. Once the data has been

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downloaded and scanned for errors, the participant's profile will be deleted and the authorization will be removed.

Fitabase Deletion. There are two instances when the PI will contact Fitabase in order to delete data associated with participants in this study. First, if a participant chooses to withdraw from the study at any time, even after they have authorized their Fitbit data to be accessed and downloaded, their data will be removed from the study. The PI will first confirm that the participant's authorization is no longer valid. If the authorization is still valid (in the case of long download times) it will be deleted by the PI. The PI will then contact Fitabase and request that all data associated with the participant's study identifier be deleted from their servers. Second, at the completion of this study (when all data analysis has been completed) the PI will contact Aaron Coleman, CEO of Small Step Labs, LLC and founder of Fitabase (aaron@fitabase.com) and he will initiate a deletion of the data from live servers and all data will be phased out of offline backups within 90 days. After 90 days Fitabase will no study associated data on their servers.

To ensure the confidentiality of data and participant information, all study subjects will be de-identified and will receive a study identification number, which will be used for data tracking. Data collected over the phone, via web-based calls, in-person, and through Fitabase will be transferred to a study database on a secure server at UCSD. All files containing identifiable information, including the linked file with participant's name and study ID number will be stored in locked cabinets. Only key study personnel will have access to the password-protected database.

When a participant is asked to authorize their Fitbit data through the Fitabase system the authorization and data will be associated with their unique study identifier. When the authorization is complete each participant will be accessible in the Fitabase system via the study identifier. No names or identifying information will be made available to the Fitabase system or used to identify Fitbit data.

The PI intend to retain anonymized, but matched, physical activity data collected from the Fitbit API indefinitely for future research and make this dataset available for use by other researchers.

The PI will attempt to mitigate any concerns about data privacy and the sharing of physical activity data by sharing a copy of all data used for analysis with each participant. That is to say, each participant will receive, at the conclusion of the study, a copy of the data they have contributed to this study. For reference, this will include:

- Demographic and psychosocial survey measures (questions and answers)
- Written transcripts of interviews
- Physical activity data files (this is in agreement with the Fitbit API Terms of Service; (Fitbit, n.d.))

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The primary investigator, will make himself available to study participants after the copy of their data is distributed to them for a minimum of 30 minutes (via in person meeting, phone, or web video conference) if they wish to learn more about their data, the research process, and/or the study findings.