

Supplementary Table 1. Description of the screen, internet connectivity and foreground application usage features extracted from participant's smartphone datasets

	Feature Name: Description
Screen	
	<i>screen_offCount</i> : count of the instances where the phone screen was off
	<i>screen_onCount</i> : count of instances where the phone screen was on
	<i>screen_offCount_sd</i> : standard deviation of the counts of instances where phone screen is off during day epochs
	<i>screen_onCount_sd</i> : standard deviation of the counts of instances where phone screen is on during day epochs
	<i>screen_regularityIndex</i> : regularity index of hourly screen status
	<i>screen_status_entropy</i> : entropy of screen status (on and off)
	<i>screen_status_normalizedEntropy</i> : <i>screen_status_entropy</i> divided by the log of two (ie, the number of screen states, on or off)
Internet	
	<i>internet_connectedCount</i> : count of instances where the phone was connected to the internet
	<i>internet_disconnectedCount</i> : count of instances where the phone was disconnected from the internet
	<i>internet_connectedCount_sd</i> : standard deviation of the counts of instances where the phone was connected to the internet during day epochs
	<i>internet_disconnectedCount_sd</i> : standard deviation of the counts of instances where the phone was disconnected from the internet during day epochs
	<i>internet_regularityIndex</i> : regularity index of hourly internet connectivity status
	<i>internet_status_entropy</i> : entropy of internet connectivity status
	<i>internet_status_normalizedEntropy</i> : <i>internet_status_entropy</i> divided by log two (ie, the number of internet connectivity states, connected or disconnected)
Application	<i>app_count</i> : count of foreground application used.
	<i>app_distinctCount</i> : count of distinct foreground application used

	<i>app_timeOfFirstUse</i> : count of minutes from hour 0 till the time the first foreground application is used.
	<i>app_timeOfLastUse</i> : count of minutes from hour 0 till the time the last foreground application is used.
	<i>app_count_sd</i> : standard deviation of the counts of foreground applications used during day epochs.
	<i>app_entropy</i> : entropy of the all distinct foreground application usage.
	<i>app_normalizedEntropy</i> : <i>app_entropy</i> divided by log of the number of distinct foreground applications used.
	<i>app_regularityIndex</i> : regularity index of the hourly count of distinct foreground applications used.