

# ARPhone Experiment

## Sanitary Protocol

XXXAuthor namesXXX

This experiment involves only *family members* of the first author, and *colleagues* (including co-authors) from the same lab. Family members all live in the same house. *Colleagues* participate to the study following the protocol described below.

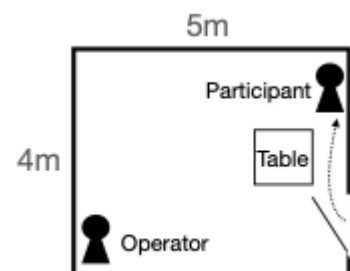
### Spatial and social context:

The experiment takes place in room XXX, building XXX (20 m<sup>2</sup>). A window and the front door remain open for 1 hour prior to the experiment and for the duration of the experiment.

Two persons are present at the same time: the operator and the participant.

The operator wears his personal protective equipment: FFP2 mask.

The operator sits in the corner of the room in front of the entrance door (Northeast corner) while the participant remains in the Southwest corner, keeping a distance of at least 3 meters between the operator and the participant.



### Timeline:

- Before the experiment:

The participant receives the consent form by email before participating to the experiment, with instructions to come to the experiment room with the consent form already signed.

The mobile phone is cleaned with surface disinfectant, and the augmented reality headset (HoloLens) has been quarantined for at least 48 hours.

- During the experiment:

1. The participant enters the room, and finds on his right a table with:
  - hydro-alcoholic solution
  - mask FFP2 (single use)
  - paper cap to avoid contact between skin/hair and headset (single use)

- a smartphone and an augmented reality headset

The participant is instructed to disinfect his hands and put on his personal protective equipment (mask and paper cap).

2. The participant goes to the southwest corner and is instructed to put on the augmented reality headset and take the cell phone in his non-dominant hand. They then perform the series of tasks that the operator introduces. One task requires the following actions: (i) touching the phone screen with their dominant hand, and (ii) performing low-level gestures over the surface of the phone (in the air).
3. The participant answers questionnaires orally, with the operator taking notes.