

How to set up and run synchronous looking time studies

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Why bother?

1. Easier for you, easier for parents
2. Ability to reach a broader population, and test babies in multiple sessions more easily
3. Babies are more comfortable at home
4. The data (at least so far) are comparable to lab data

But use Lookit instead if:

1. You don't need infant-controlled trials* (Kim Scott + I currently working on this)
2. You don't need to customize stimuli for each participant (e.g. Ashley's studies)

How to set up and run synchronous looking time studies

- 1.Design and upload stimuli in a format that you can share with participants (e.g. YouTube, Slides.com, pyHab)
- 2.Set up Zoom on your end to make things easier (e.g. record all views, record automatically, allow meetings to start without hosts, allow non-hosts to share screens)
- 3.Decide whether and how you'll code infants' behavior online (important for any infant-contingent method, e.g. jHab)
- 4.Put together materials for parents: slide deck to introduce study and ask for consent, guidance about ideal setup
- 5.Put together a protocol and practice it a lot
- 6.Consider exclusion criteria specific for online testing during pre-registration

1.Design and upload stimuli in a format that you can share with participants (e.g. YouTube, Slides.com, pyHab)

<https://www.youtube.com/playlist?list=PLVALVa0ifL9hnBKftJXQtQ8ae9UAzts12>

The image shows a screenshot of a YouTube playlist page. On the left, the playlist is titled 'DOE-Z' and is marked as 'Unlisted'. A yellow box with the text 'Link to send parents' points to the playlist's share link. Another yellow box with the text 'Unlisted prevents it from being searchable on Youtube' points to the 'Unlisted' status. A third yellow box with the text 'When uploading videos, mark as "made for kids" (no ads!)' is located at the bottom left. The main area of the screenshot shows a list of videos in the playlist. Each video entry has a thumbnail, a title, and a duration. Yellow boxes with text are placed next to each video entry: 'Baby-friendly video for setup' next to 'In the Night Garden', 'Calibration' next to 'calib standard', 'Habituation Trial 1' next to 'hab orig60s', and '60s is max length of my trial' next to another 'hab orig60s' video. The video 'In the Night Garden' has a duration of 3:32, while the 'hab orig60s' videos have a duration of 1:03. The video 'calib standard' has a duration of 0:19. The video 'In the Night Garden' is marked as 'WATCHED'.

Link to send parents

Unlisted prevents it from being searchable on Youtube

When uploading videos, mark as "made for kids" (no ads!)

Baby-friendly video for setup

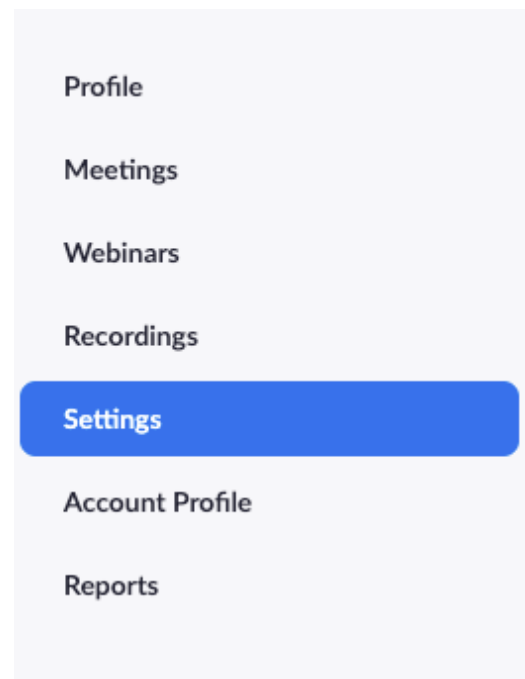
Calibration

Habituation Trial 1

60s is max length of my trial

For blinding: Make multiple versions of playlist, have someone else rename, and randomly assign babies to each playlist

2. Set up Zoom on your end to make things easier (e.g. record all views, record automatically, allow meetings to start without hosts, allow non-hosts to share screens)



Join before host

Allow participants to join the meeting before the host arrives



In case you have trouble logging in

Automatic recording

Record meetings automatically as they start



To prevent you from forgetting to hit record

☐ Record on the local computer

☒ Record in the cloud

Screen sharing

Allow host and participants to share their screen or content during meetings



To make sure parents can share screens with you

Who can share?

☐ Host Only ☒ All Participants 

Who can start sharing when someone else is sharing?

☐ Host Only ☒ All Participants 

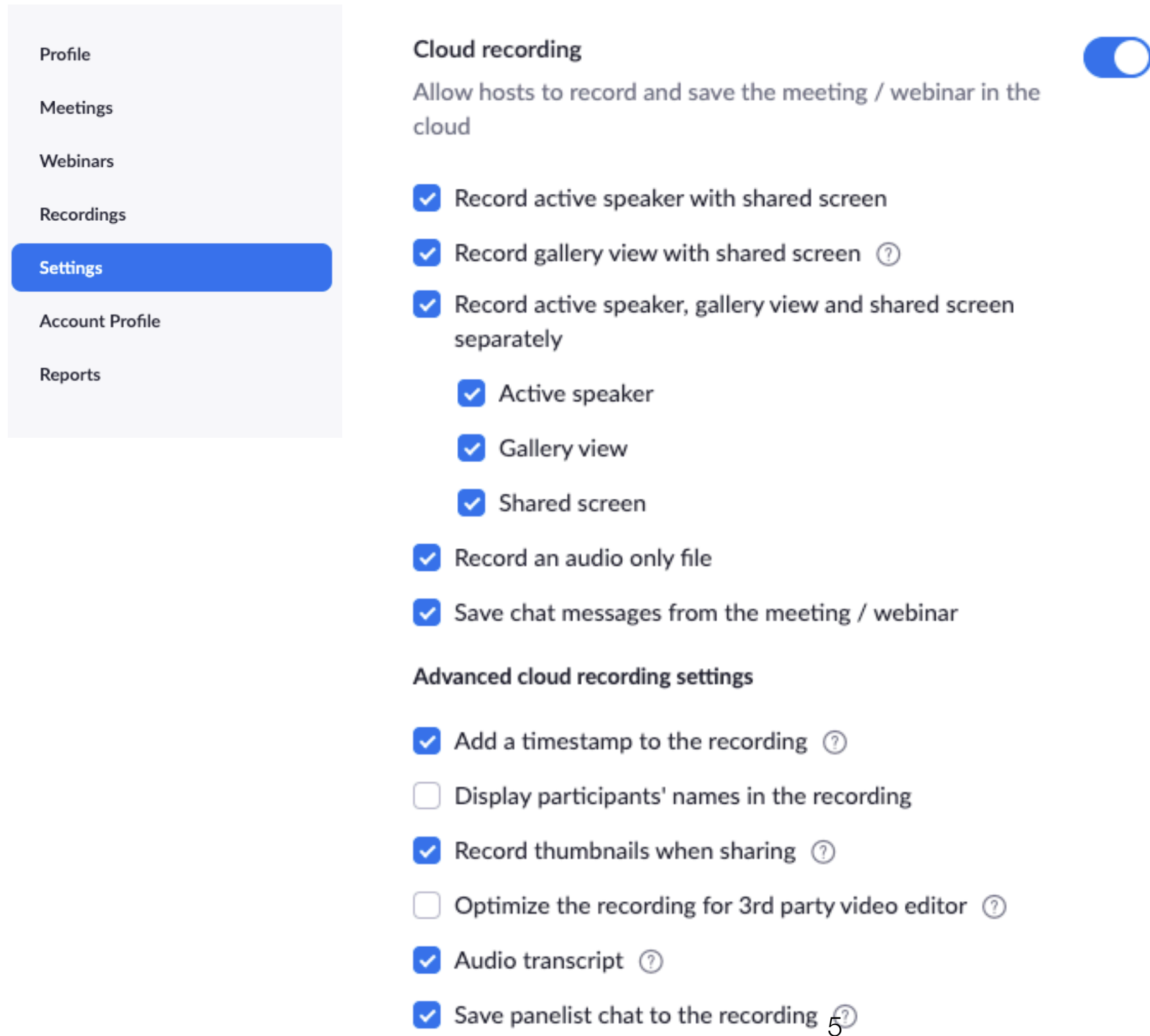
Remote control

During screen sharing, the person who is sharing can allow others to control the shared content




To allow you to start and stop your YouTube playlist on their computer


2. Set up Zoom on your end to make things easier (e.g. record all views, record automatically, allow meetings to start without hosts, allow non-hosts to share screens)



The screenshot shows the Zoom Cloud Recording settings page. On the left is a sidebar with navigation links: Profile, Meetings, Webinars, Recordings, Settings (highlighted in blue), Account Profile, and Reports. The main content area is titled 'Cloud recording' and features a toggle switch that is turned on. Below the toggle is the text 'Allow hosts to record and save the meeting / webinar in the cloud'. A list of recording options follows, each with a checked checkbox: 'Record active speaker with shared screen', 'Record gallery view with shared screen' (with a help icon), 'Record active speaker, gallery view and shared screen separately', 'Active speaker', 'Gallery view', 'Shared screen', 'Record an audio only file', and 'Save chat messages from the meeting / webinar'. A section titled 'Advanced cloud recording settings' contains more options: 'Add a timestamp to the recording' (checked, with help icon), 'Display participants' names in the recording' (unchecked), 'Record thumbnails when sharing' (checked, with help icon), 'Optimize the recording for 3rd party video editor' (unchecked, with help icon), 'Audio transcript' (checked, with help icon), and 'Save panelist chat to the recording' (checked, with help icon).

Cloud recording 

Allow hosts to record and save the meeting / webinar in the cloud

- ☒ Record active speaker with shared screen
- ☒ Record gallery view with shared screen 
- ☒ Record active speaker, gallery view and shared screen separately
 - ☒ Active speaker
 - ☒ Gallery view
 - ☒ Shared screen
- ☒ Record an audio only file
- ☒ Save chat messages from the meeting / webinar

Advanced cloud recording settings






- ☒ Add a timestamp to the recording 
- ☐ Display participants' names in the recording
- ☒ Record thumbnails when sharing 
- ☐ Optimize the recording for 3rd party video editor 
- ☒ Audio transcript 
- ☒ Save panelist chat to the recording 

Figure out which recordings and what information you need, and think about identifying information (e.g. parents' names)

3. Decide whether and how you'll code infants' behavior online (important for any infant-contingent method, e.g. jHab)

Setup 1 (ideal) on laptop or desktop, parent plays videos on their own computer

The image shows a dual-screen setup for coding infant behavior. The left screen displays the jHab (Version 1.0.2) software interface, which is divided into several sections:

- Study Information:** Lists parameters such as Max Trial Length (70.0 sec), Max Look Away (2.0 sec), Init Response Win (3.0 sec), Min Glance Time (0.5 sec), Min ITI (1.0 sec), Min Hab Crit (12.0 sec), Min Look Time (0.5 sec), Num Trials Hab Crit Set (3), and Req Prop Hab Crit Met (0.5).
- Enter Session Information...** A central area with a large yellow box containing the text "jHab for coding looking time during experiment".
- Session Information:** Includes fields for Subject ID, Sex (set to Female), Trial Order (set to Trial Order 1), and buttons for "Repeat Previous Trial" and "Begin Trial 1".
- Trial Order 1:** A list of trials: 1 fam, 2 fam, 3 fam, 4 fam, 5 fam, 6 fam, 7 test, 8 test, 9 test, 10 test.

The right screen shows a Zoom Meeting interface. At the top, there is a yellow box labeled "Stim". Below it, a large yellow box contains the text "Video feed of baby's face". The Zoom interface includes a toolbar at the bottom with options like Unmute, Start Video, Security, Participants, Chat, Share Screen, Polling, Record, Closed Caption, Reactions, and an End button.

The stimuli feed comes from parent's computers. Use remote control to start and stop each video, proceed through the playlist, and so on. (Learn YouTube keyboard shortcuts!)

3. Decide whether and how you'll code infants' behavior online (important for any infant-contingent method, e.g. jHab)

Setup 2 (possible but not ideal) on tablet, you play videos for baby over screen share

The image is a composite of three screenshots illustrating a setup for coding infant behavior online using jHab.

- Top Left: jHab (Version 1.0.2) Interface**
 - Study Information:** Study: IVC, Max Trial Length: 70.0 sec, Max Look Away: 2.0 sec, Init Response Win: 3.0 sec, Min Glance Time: 0.5 sec, Min ITI: 1.0 sec, Min Hab Crit: 12.0 sec, Min Look Time: 0.5 sec, Num Trials Hab Crit Set: 3, Req Prop Hab Crit Met: 0.5.
 - Enter Session Information...** (Yellow box): jHab for coding looking time during experiment
 - Session Information:** Subject ID: [blank], Sex: Female, Trial Order: Trial Order 1, Coders: [blank], Presenter: [blank].
 - Session Controls:** Repeat Previous Trial, Begin Trial 1.
 - Trial Order 1:** 1 fam, 2 fam, 3 fam, 4 fam, 5 fam, 6 fam, 7 test, 8 test, 9 test, 10 test.
 - Bottom:** Trial in ... Subject Looking
- Bottom Left: Tablet Screen**
 - Video feed of baby's face (Yellow box): Video feed of baby's face
- Right: YouTube Video Player**
 - Video title: hab orig60s (Unlisted)
 - Views: 376 views • Jul 13, 2020
 - Stimulus video content (Yellow box): Stim (Zoom > share portion of screen...)
 - Channel: Shari Liu
 - Buttons: ANALYTICS, EDIT VIDEO
 - Try YouTube Kids button.

Stimuli will definitely lag more using this method.

5. Put together a protocol and practice it a lot

My protocol: <https://tinyurl.com/y32lefvz>

(Video resource removed to protect privacy of participants.)

You will NOT be able to see what the parent sees a lot of the time.

Remember that parents know their homes and babies a lot better than you do, so ask them what they think will work best! Practice, be generous and patient, and don't worry if you can't resolve an issue right away.

4. Put together materials for parents: slide deck to introduce study and ask for consent, guidance about ideal setup

https://github.com/sociallearninglab/online_testing_materials

About today's study



~10 minutes



Animated videos

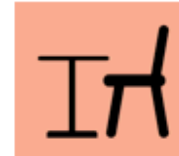


What is your baby interested in watching?



This session is recorded

About today's study



Seated in high-chair (preferred) or lap, in front of laptop or desktop computer



If possible, minimize distraction



Be neutral, and try not to direct baby's attention. Looking away is normal!

Send parents all of this information over email ahead of time. Some of them may have time to think about setup before the appointment which is really helpful.

My ideal setup (*while also accepting that the ideal is not always possible)

1. Quiet room indoors
2. Baby is in a good mood
3. Minimize distracting things to look at and reach for
4. Minimize people and pets walking in/out of the room
5. For older babies, high chair, parent seated behind baby
6. For younger babies, bumby or bouncer chair, parent behind baby
7. Laptop or desktop computer (iPad is possible but not ideal) just out of reach of the baby, plus a little extra distance to discourage reaching

6. Consider exclusion criteria specific for online testing during pre-registration

Example of pre-reg for online testing: <https://tinyurl.com/y6k7ftcf>

- Things that have happened:
 - Dog barks, baby looks away (identifiable from audio)
 - Robin landed in the window (reported by parent)
 - Video feed of baby's face freezes for .2s
 - Video feed of baby's face freezes for 5s
 - I get a Slack notification while I'm sharing screens with an iPad
 - Parent gets email notification while they're sharing screens with me
 - Baby doesn't like high chair, we switch to parent's lap in middle of experiment
 - Sibling who has agreed to be super quiet starts whispering
- How will you identify a distraction?
- Make sure to have parents rate video and sound quality (can use as exclusion criteria)
- When do you exclude a trial versus a participant?
- Try to be as specific as possible