

Stanford Medical Checklist Study: *research staff operating document*

private:

“Checklist Study” Checklists & Scripts

v0.2



Pre-study e-mail

- Instructions to get here
- Contact information
- Mention requirement for audio/video

Pre-study data setup checklist:

Assign participant unique id

Completed 0 || 1 ACLS? => group 2 (novice)

Completed ≥ 2 ACLS? => group 1 (experience)

Use group to determine Latin square perm. (logistic sheet)

Assign roles to research staff

Research organizer

Have consent form printed out/ready

Pre-study hardware setup checklist:

Specifications in the iRoom:

- Distance between subject & 30" cogaid comp: 58 inches
- Distance between subject & 17" scenario comp: 58 inches
- Distance between subject & DualTask comp: 28 inches
- 17" scenario, X" cogaid screen, MB air color

Pre-study hardware setup checklist:

- Check laptop battery life, storage space
- Organize physical space: monitors set up properly
- Did you put a “busy” sign outside the door?

Welcome:

Hi, welcome to the checklist study. My name is [insert name] and I'm a [insert role]. We invited you here today to help us evaluate the effectiveness of various forms of checklists and cognitive aids in medicine. Here's an information sheet about the study for you to look at.

- Assign participant unique id**
- Have participant sign consent form (offer to give copy)**
- Describe potential risks & benefits**
- Ability to withdraw consent at any time**

Pre-test:

Here's a pre-study questionnaire we'd like you to fill out.

- Give participant pre-test questionnaire
- Start video **BEFORE** training

Training:

[Show training slides.] Explain that the aid slides will advance as if it were directed by machine plus human intelligence.

Train participant

Paper & digital both equal options

There can be multiple correct answers (might not be wrong), just follow along (take one path)

Granularity: don't need to set IV or attach defib but do say give dantrolene 150mg, shock at X J

Ask: Any questions?

Prep for all scenarios:

[Describe what time of scenarios will be like.]

- Check storage space on all devices
- Start front-facing camera recording
- Turn off all laptop audio to sync Keynote correctly

Prep for scenario A:

- Reset color task (make sure previous run is saved)
- Load Keynote decks

Run scenario

- Start play
- Stop recording?
- Post-scenario mini-debrief (questions)

scenario A debrief:

Debrief, post-scenario questionnaire

Post-test:

Script: Here's a post-study questionnaire we'd like you to fill out. Let us know if you'd like to hear more about future studies and the progress of the project.

- Give participant post-test questionnaire
- Allow opt-in for checklist-news@ mailing list
- Ask about use of pictures (no video)
- Thank participant!

Wrap-up

- Turn off recording devices, plan for next participant
- Rename video files if appropriate. Scheme:
 - P- $\{N\}$ S($\{A,B,C\}$) {scenario-ff, cogaid-ff, color-ff, {iPad2,iPad3,iPhone}-behind} [*where $\{N\}$ is replaced by participant number (e.g. “01”) and $\{A,B,C\}$ is “ABC” if all scenarios, or “misc”/”training”/”post”]*]
- Write down notes from study

- the end