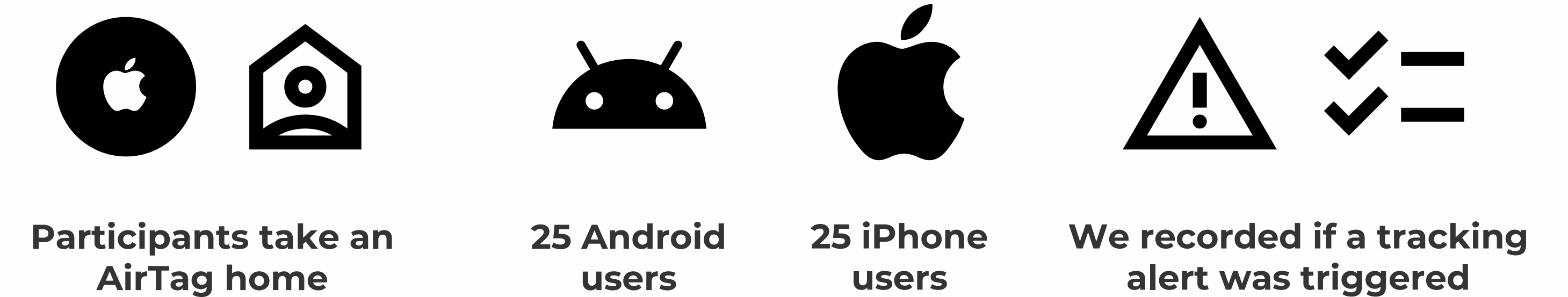# WILL OUR COLLEAGUES DETECT THE AIRTAG? LET'S CHECK (CONSENSUALLY).

Dañiel Gerhardt, Matthias Fassl, Katharina Krombholz

PROBLEM: AIRTAGS ENABLE PRECISE STALKING
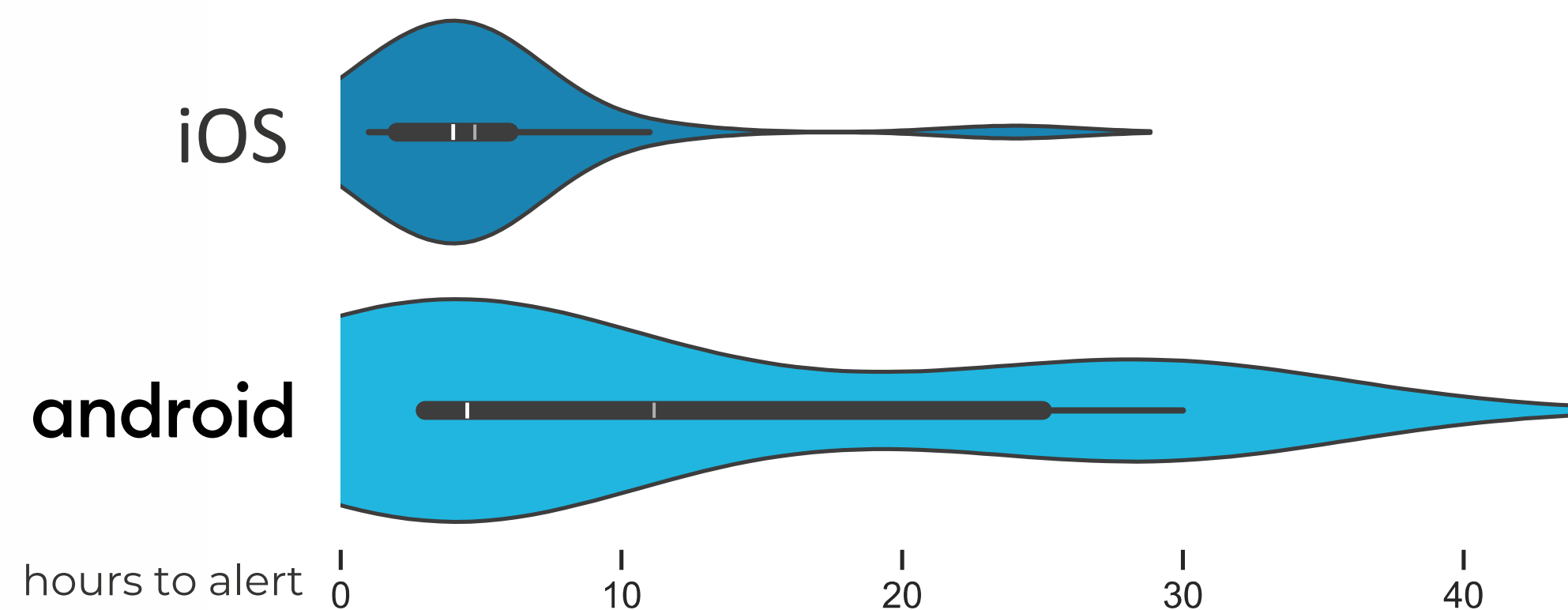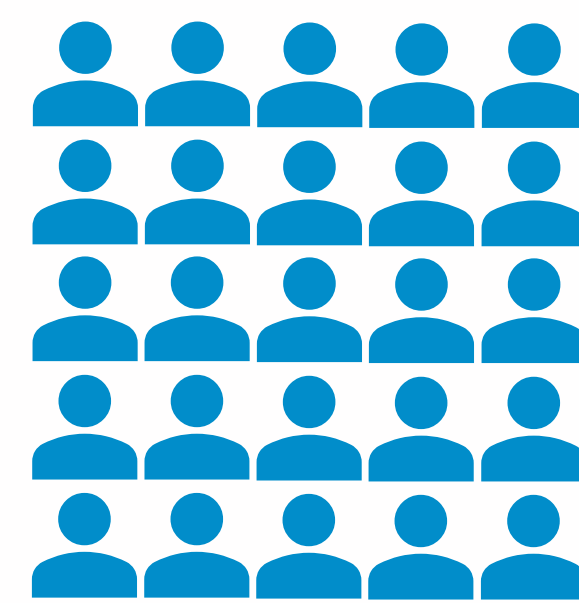
- AirTags are precise location trackers
- Misused for stalking and more
- Tracking alerts notify potential victims

→ We evaluated the reliability of tracking alerts

HOW WE TRACKED OUR COLLEAGUES

- Participants take an AirTag home
- 25 Android users
- 25 iPhone users
- We recorded if a tracking alert was triggered

ALERTING AT HOME IS TOO LATE

iOS

android

hours to alert: 0 10 20 30 40

- Tracking alerts were mostly triggered after arriving at home
- This is intended behavior to avoid false positives
- In a stalking event, a stalker can often find victim's home location

→ Triggering alerts at home may be too late for stalking victims
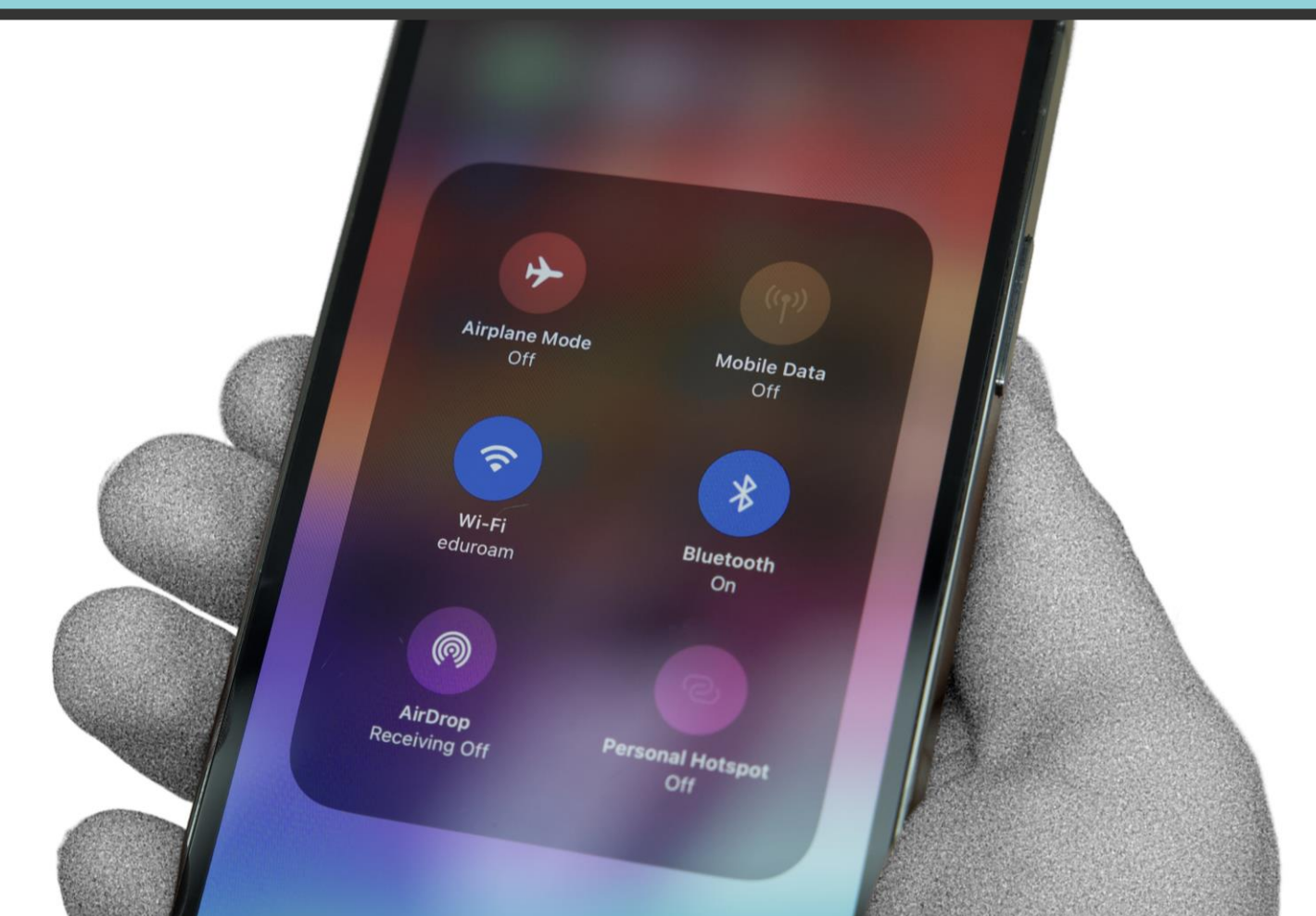
UNRELIABLE ALERTS ON ANDROID

The unwanted tracking alert was triggered in...

25 of 25 cases
iOS

14 of 25 cases
android

- *Unwanted tracking alerts* are less reliable on Android devices
- Android users cannot rely on alerts, increasing their risk

→ The Android implementation needs to be reliable to protect users

USERS UNINTENTIONALLY LIMIT ALERTS

- We ensured correct settings on participants' smartphones
- Participants often disabled settings needed for alerts
- Most participants were unaware they disabled tracking alerts

→ Participants are unaware of all the settings tied to tracking alerts
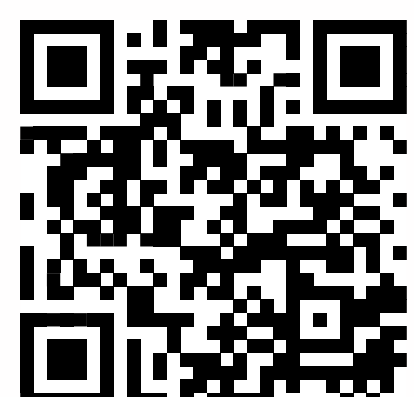
Dañiel Gerhardt
Scan the QR code or find me at:
https://cispa.de/en/people/c01dage

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