

Tech Abuse Enabled by Internet ~~SPY~~ of Things Devices



Awareness.
Empowerment.
Safety.



ABUSE



**1 in 4 women
and 1 in 10 men**
suffer intimate partner
abuse (IPA)



97% of IPA
experience tech abuse



Tech abuse involves
“technology being used for
malicious purposes within
abusive relationships”

COMMON DEVICES



Ring Doorbell



Amazon Echo



Google Home Hub



Smart thermostats



AirTags



Smart TVs



Smart plugs



Fitness trackers
and smartwatches



Smart locks



CCTV cameras



HARMS THREAT MODEL



HARASSMENT

blasting music,
sounding alarms,
ringing doorbells,
adjusting lights



ACCESS/ INFILTRATION

adding user
access, factory
resetting devices



RESTRICTION

removing user
access, changing
language, restricting
controls



MANIPULATION

disabling notifications
to hide malicious
actions, coercive
control



SURVEILLANCE

most common abuse
type; audio and
video recording,
logging activity



TURK AND HUTCHINGS STUDY (2025)



25 Participants



Adversary Modeling (Participant Classification):
non-technical, UI-bound, and technically-skilled



Six stations with IoT devices for participants to exploit



72 malicious uses discovered
(only 7 required technically-skilled abuser)



**Conclusion: technically-skilled
adversaries are NOT considered
a likely threat model**



COMBATING TECH ABUSE



3 Tech abuse
clinics in the U.S.



Use of detection apps –
Fing (scans WiFi network
for devices) and
IoT Assistant (identifies
nearby IoT devices)

Low-tech solutions to fight low-tech attackers



Change privacy settings



Reset passwords (especially WiFi password)



Multi-factor authentication



Review log history