Digital Wellbeing: Thought starters

A set of insights and questions to explore how product experiences impact digital wellbeing
This set of curated cards helps you quickly gain insights you need to integrate digital wellbeing into your products. Separated into 3 thematic areas (Intentional use, Interpersonal connection, Safe & healthy life), the thought starters include:

- Research findings that define the digital wellbeing landscape
- ‘How might we’ questions that explore how product experiences impact wellbeing

**Best for:** Idea generation, brainstorming

**How to use:** Bring thought starters to your next workshop or use them in your own brainstorming session. Skip around to focus on the most relevant topics.

**Go deeper:** Move into action with the Digital Wellbeing workshop activities: Generate ideas and Investigate unintended consequences.
Chapter 1: Intentional use
Distractions

Why is this important?
Distractions fight for people's attention and hinder productivity.

5-Minute Brainstorm
How might we support and protect people's focus from unwanted disruptions?

Food for Thought

- Interruptions increase stress
  Experimental research suggests that interruptions don't increase task completion time, but instead make people compensate for lost time by working faster. This comes at a price: more stress, frustration, time pressure, and effort. [1]

- Ignoring a notification can be just as disruptive as reacting to it
  Receiving a phone call notification without responding to it is just as distracting as responding to a message or call. [2]

- Reducing notification frequency is beneficial
  Batching notifications to 3 times per day significantly improves attention, stress, perceived productivity, and control of the phone. [3]

Multitasking is a misnomer
In most situations, a person is actually doing something called “rapid toggling between tasks.” Chronic media multitasking (concurrent use of multiple digital media streams) is correlated with increased difficulty keeping track of multiple inputs. And rates of chronic media multitasking are increasing in children, teens, and adults. [1]

Attempted multitasking impacts memory
Light media multitaskers (LMM) remember 20% more information than heavy media multitaskers (HMM). [2]

Attempted multitasking increases anxiety
When people attempt to complete multiple tasks at the same time, their brain enters an over-excited state, increasing the anxiety they experience. [3]

WHY IS THIS IMPORTANT?
Multitasking increases stress and lowers productivity

FOOD FOR THOUGHT

5-MINUTE BRAINSTORM
How might we help people stay focused on a single task?

Compulsive checking accounts for a majority of hindered intentions. In a multi-geo study, 52% of hindered moments involved compulsive checking. [1]

Tech-use behaviors can become automatic or difficult to control. Digital technology can trigger people in ways that create automatic engagement without intention. A number of measures have been created to assess compulsive and problematic use, including the Compulsive Internet Use Scale (CIUS). [2], [3]

Approaches to internal and external drivers of hindered intentions differ. Compulsive checking and social obligation to respond are both internal drivers, whereas endless content and notifications are external drivers. Internal and external drivers can carry the same impact, but may require different solutions. [4]

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**WHY IS THIS IMPORTANT?**

Inconsistent rewards can create a trigger-reward-engage cycle.

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**FOOD FOR THOUGHT**

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[1] Google-commissioned study with third-party vendor, dScout
Chapter 2: Interpersonal connection
Presence with others

WHY IS THIS IMPORTANT?
Technology’s presence can weaken in-person connections and relationships

FOOD FOR THOUGHT

- Mobile phones are a major source of disruption
  43% of US adults report that they get distracted by their phone when they’re with friends or family [1]

- The mere presence of a mobile phone inhibits interpersonal connection
  Experimental research shows that this impact is magnified when individuals are discussing a personally meaningful topic. [2], [3]

- While tech use concerns focus on children, parental use is also a problem
  36% of UK children ages 11–18 report occasions when they have to ask their parents to put away their phones. [4]

[1] Google-commissioned study with third-party vendor, dScout

5-MINUTE BRAINSTORM

How might we support in-person presence when it’s called for?
The Disconnected

Why is this important?
Social disconnection and loneliness are a threat to wellbeing

5-Minute Brainstorm

How might we bring people together online at the right place and time?

Food for Thought

- Loneliness is experienced in high numbers across generations. 46% of US adults sometimes or always feel alone, with Gen Z experiencing the most loneliness. [1]

- Loneliness can have a major impact on health outcomes. Loneliness is a bigger threat to life span than obesity, with a health impact equivalent to smoking 15 cigarettes a day. [2], [3]

- Tech has the potential to reduce the prevalence of loneliness. Access to the internet decreased loneliness (by 0.5 on a 0–3 scale) in vulnerable elderly populations in an experimental setup, and longitudinal analysis shows a positive correlation between internet use and psychological wellbeing. [4], [5]

Putting work in its place

**WHY IS THIS IMPORTANT?**
Conflicting expectations in work and personal life can upset the balance between them

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5-MINUTE BRAINSTORM

How might we support boundaries between work and personal life?

**FOOD FOR THOUGHT**

- **Social pressure to respond quickly to communications disrupts balance**
  A social obligation to respond is identified in multiple UX research studies, contributing to 20% of disruptive smartphone use in a multi-geo diary study. [1]

- **People want to be respectful of others’ intentions and personal time**
  Workplace research shows that people want to support the situational context and needs of the person they wish to contact. [2]

- **Tech can mitigate work-to-home conflict in the right situations**
  For employees who prefer to integrate work and home life, work-related tech use outside of work hours may not complicate—and could even facilitate—work-home compatibility, depending on certain work and environmental factors. [3]

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[1] Google-commissioned study with third-party vendor, dScout
[2] Google study
Chapter 3: Safe & healthy life
Medical science unanimously links sleep to health outcomes. While individual sleep requirements vary, a minimum of 7 hours of sleep is recommended to maintain mental and physical health. Nine days of sleeping only 6 hours a night leads to performance impairment similar to a blood alcohol level of 0.1% (a level higher than the legal limit for driving). [1]

Late-night phone use poses a special concern for teens, who need more sleep. 70% of teens check their mobile device within 30 minutes of falling asleep at night, and 36% of teens wake up and check their mobile device for something other than the time at least once a night. [2]

Harmful content

A majority of parents feel a lack of control over their kids’ tech use
68% of parents feel a lack of control over the content that their kids see online. [1]

Online harassment is widespread and impacts basic needs
41% of US adults have personally experienced online harassment, with 8% citing particularly severe forms (i.e. stalking, physical threats, sexual harassment, or harassment over a sustained period of time). 64% of students who experienced cyberbullying said it affected their ability to learn and feel safe at school. [2]

Sentiment of consumed content can impact mood
Artificially modulating the sentiment of Facebook’s feed led feed viewers to share content with similar quality of sentiment. [3]

How might we increase awareness of online spaces?

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WHY IS THIS IMPORTANT?

Harmful content can diminish wellbeing
Physical activity

5-MINUTE BRAINSTORM

How might we promote healthy physical activity with tech?

FOOD FOR THOUGHT

- Tech is a double-edged sword when it comes to physical activity
  We know that tech use can encourage sedentary, leisure-time behaviors. But it can also
  promote physical activity through apps, wearables, and data visualization. [1]

- Social influence can be a good thing
  Social experiences are essential. People learn by observing the actions of others and seeing
  results. Individualized or at-home services and apps can leverage peer support to improve
  physical activity through social sharing of their progress. [2]

- Small amounts of physical activity can have big benefits
  According to a World Health Organization recommendation, as little as 75 minutes of
  vigorous aerobic activity per week is enough to provide health benefits such as weight
  control, elevated mood, and better sleep. [3]

eating in overweight and obese adults; systematic review and meta-regression analyses. Int J Behav Nutr Phys Act 14, 42 (2017). Link
of Peer-Based Interventions on Health-Related Behaviors in Adults”, American Journal of Public Health 100, no. 2
(February 1, 2010): pp. 247-253. Link
[3] Physical Activity and Adults. Link