



there are 211 million wearables being used worldwide today

68.1 million wearables will be shipped this year

one survey found that around one-third of internet users in the U.S., Australia, and the UK expressed serious concerns about the privacy of their data

34% of those using wearables for fitness tracking share their data using social settings

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STATS

wearable users generate an average of 15 petabytes of data traffic on networks each month

2X

## **GROUNDED** THEORY theory building no preconceived hypothesis joint data collection and constant comparison slices of data

NDNGS researchers most often colleagues as test subjects data aggregation and reviews managers are key privacy processes much of the research is focused on new some projects are dreamed up using "hacks" a culture of privacy exists that can be harnessed

pilot studies use research
employee data and are not — — — — \_
anonymized unless sensitive

FINDINGS

internal studies use data on employees oustide of the research team and all data is anonymized except to researcher

user studies examine data from non-employees – data is anonymized even to researcher though they may access I demographic data if needed

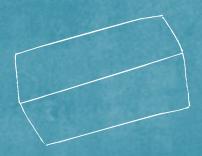
## ANALYSIS

research done on employees poses possible benefits and risks

start-ups need flexibility and nimbleness in processes to produce effective and innovative research

the rapid growth of a successful start-up poses risks as investigations accelerate in size and scope and data sets that are typically separated become co-mingled

informal processes rely on the background of the researcher (experience with IRBs, HIPAA)



## PRIVACYPIVOTPOINTS

> when the project lead is identified

> when projects expand to bigger user populations



> when correlating data points or using historical data



> when reporting on projects using employee data, regardless of sensitivity

> when projects move from one phase to another such as when hacks are given the green light

## Recommendations

use the box: create formal privacy reviews and protocols

go outside the box: hire a Data Sociologist

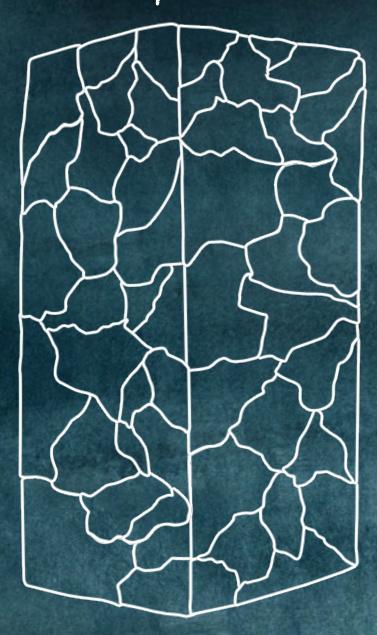
investigate paying volunteers for data to avoid coercion

ask researchers to create their own privacy and security accountability measures

map

deploy

tweak



use privacy as a tool for

innovation and brand awareness

