

## FROM SIGNALS TO SOLUTIONS:

making digital phenotyping  
clinically meaningful

→ Webinar JMIR Publications

Abigail Ortiz MD

→ Prof, Prof US comp  
psych

→ Sensors can never tell us  
how we feel as subjective

John Towns → Affiliated

Howard

digital Med. School  
9878

framework needed:

→ how do you contextualize health

⇒ Considerations on Invariance -

Problem in digital phenotyping

→ Most things not standardized

→ Missing data

↓  
cannot average as days are ≠ for everyone

↓  
solution they are very missing data  
ratio gather

Clinical relationship is groundwork for consistency  
(where technology is an enabler but  
foundation is clinical)

→ smart people → most compliant

Jobs find method for missing data -

Ask =

- Why is info missing?
- why is it important?



fundamental to know how to analyse information to do a good RCT

Path forward =

Dr Tous study =

depression ↑ or ↓ at home → inconsistent

when asked patients they gave ≠ definitions  
of home



interventions had to be tailored

1- What do I pay attention to? It's / sleep / etc

2- ~~What~~ does it change for patients  
conditions  
etc

→ In order for research to be useful → needs to translate

↓  
need to train clinicians