Digital Medicine Landscape and Interoperability Questionnaire

This is a survey developed by the Big Ideas Lab at Duke University to survey the digital health community about software interoperability and determine the current landscape of digital medicine.

* Required

Key Information

The purpose of this research is to understand the landscape of digital medicine, what tools are being used for digital medicine, and what challenges are facing the community.

The questionnaire will take approximately 10 minutes to complete. We do not collect any personal identifying information in this survey. Your participation in this survey is voluntary and you can opt out of the survey at any time and your response will not be recorded. This study does not have any risks associated with it.

Consent

By clicking 'Next', you are consenting to allow us to use your responses in future and current research, publications, reports, and/or marketing materials.

This questionnaire is being conducted by the Big Ideas Lab at Duke University. Please contact the research team with any questions or comments at jessilyn.dunn@duke.edu or <a href="mailto:jessilyn.dunnmailto:jessilyn.dunnmailto:jessilyn.dunnmailto:jessilyn.dunnmailto:jessilyn.dunnmailto:jessilyn.dunnmailto:jessilyn.dunnmailto:jessilyn.dunnmailto:jessilyn.dunnmailto:jessilyn.dunnmailto:jess

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Background Questions

We know the community of digital medicine is made up of individuals with a variety of backgrounds. We want to understand and highlight this diversity!

What is your highest level of education?
Mark only one oval.
Bachelors
Masters
Doctorate (PhD, MD, JD, PharmD, etc)
High School or GED
Other:
Please select the option below that best matches your current role. *
Mark only one oval.
Industry Academic Government Medical Institution Other:

3.	Please select the option below that best matches your current role and/or education: *
	Check all that apply.
	Engineering
	Medicine
	Business/Entrepreneurship
	Law
	Education
	Statistics/Biostatistics
	Data Science/Analytics/Machine Learning
	Other:
4.	What is your current role (i.e. what do you do?) *
5.	Do you work in digital medicine research/ R&D? * Mark only one oval.
	Yes Skip to question 6
	No Skip to question 10

Software/Hardware Questions

Digital Medicine Landscape and Interoperability Questionna	air
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6.	What sensors/devices do you regularly work with? *
	Check all that apply.
	Accelerometry/actigraphy (wrist wearable)
	Accelerometry/actigraphy (non-wrist sensor)
	PPG/optical heart rate sensor
	Electrocardiogram, ECG (Holter Monitor)
	Electrocardiogram, ECG (Patch)
	Electrocardiogram, ECG (Band, other)
	Electroencephelography, EEG
	Electrodermal Activity/Galvanic Skin Response
	Temperature
	Gyroscope
	Blood pressure
	None/I do not work with sensors/devices
	Other:
7.	What devices/sensors do you use in your research? (Please be specific and give make and model when applicable). If you use in-house developed sensors or devices, please add as many details as you can. (i.e.The HR sensor on a Fitbit) *

8.	What raw file type(s) do you use in your analyses? *
	Check all that apply.
	csv
	xls/.xlsx
	mat
	hdf5
	JSON
	gt3x
	bin
	SAS
	SQL
	rda
	Apache
	Compressed binary files
	xml
	Other:

9.	What file type(s) do you map your raw files to for analyses? *
	Check all that apply.
	csv
	xls/.xlsx
	mat
	hdf5
	JSON
	gt3x
	bin
	SAS
	SQL
	rda
	Apache
	Compressed binary files
	xml
	Other:
Int	reroperability Questions
10.	Do you think interoperability is a problem in digital medicine? *
	Mark only one oval.
	Yes
	No

11.	What are some problems with interoperability in the field of digital medicine?
12.	Do you currently use any tools for interoperability in digital medicine? *
	Mark only one oval.
	Yes
	○ No
13.	If yes, what tools do you currently use?
14.	Have you heard of Open mHealth?
	Mark only one oval.
	Yes
	○ No
	Maybe

15.	Have you used Open mHealth Shimmer to map mobile health data to JSON?
	Mark only one oval.
	Yes
	◯ No
16.	Would you utilize a platform (similar to Open mHealth) that maps raw data files to a standard format (i.e. JSON)?
	Mark only one oval.
	Yes
	◯ No
	Maybe
17.	Why did you choose your answer for the previous question?