



MEDHACKS



JOHNS HOPKINS
UNIVERSITY

SEPTEMBER 7 - 9
2018

*Bridging the gap between engineers, clinicians,
healthcare professionals, and entrepreneurs to
accelerate medical innovation*

MEDHACKS

Friday, September 7th, 6:30 pm to
Sunday, September 9th, 3 pm

MedHacks is an unique event where hundreds of students and professionals come together for a weekend at Johns Hopkins University to tackle some of the world's most pressing medical issues. Each team spends 36 hours researching, coding, and presenting its finished projects to a panel of judges who award cash prizes.

2017 Project Tracks

Medication Adherence CVS Health

Patients' non-adherence to medication results in adverse health effects and expensive healthcare costs. Teams on this track will ideate and develop new programs and services to solve the adherence challenge and keep patients on their path to better health.

Access to Care BlueCross BlueShield

Blue Cross Blue Shield believes that social and regional determinants more often than not dictate patients' health as opposed to their genetic codes. Teams on this track will come up with their own solutions addressing the problem of accessing adequate health care.

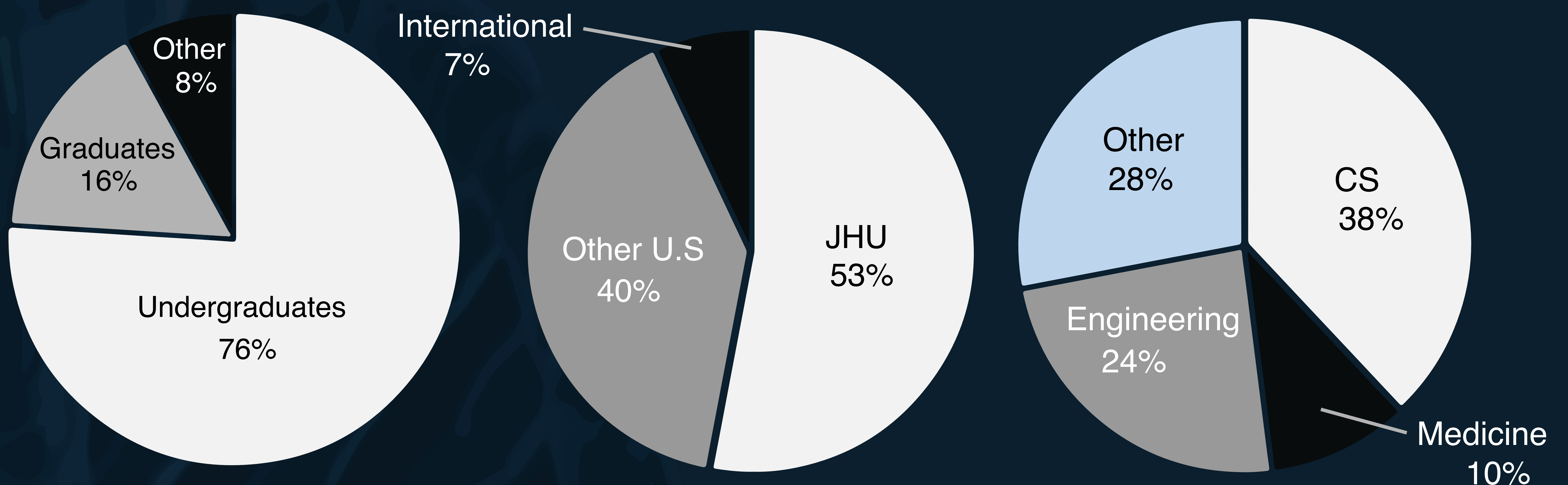
Patient Safety & Quality JOHNS HOPKINS MEDICINE

Teams on this track will come up with solutions to eliminate preventable harm to patients and to achieve the best patient outcomes at the lowest possible cost. There will be three focus areas: enhancing patient experience, improving healthcare productivity, and decreasing healthcare costs.

From Last Year...

Who Attended?

750+ students from across the world with technical and medical backgrounds



Notable Universities: Harvard, MIT, UC Berkeley, Carnegie Mellon University, Columbia, Georgia Tech, Duke, University of Pennsylvania, and University of Waterloo

Keynote Speakers

Dr. Peter Pronovost



Senior VP for Clinical Strategy at United Health Group
Former Director of the Armstrong Institute, Johns Hopkins
Times 100 Most Influential People

Benjamin Jealous



2018 Maryland Gubernatorial Candidate,
Former President of the NAACP,
Senior Partner at Kapor Capital

2017 Projects

Medication Adherence



Winner: Anadose

Anadose is an app that allows patients to receive real-time updates to monitor their health based on the medications that they are taking.

MedPals

MedPals is a social media network that aspires to unite people suffering from similar medical conditions. It emphasizes on making one-on-one connections between patients.

Reax

Reax is an app that tests and analyzes healthcare professionals' mental state through gauging their reaction times in order to decrease costly medical errors due to physician fatigue.

Access to Care



Winner:

Parkinson's Telemonitoring

This app provides an efficient method of monitoring the severity of tremors experienced by Parkinson's disease patients through their mobile phones.

QuRe

QuRe is a tool designed to streamline the response time for emergency personnel by tattooing a QR code that stores essential medical information for emergency situations.

OnOurWay

OnOurWay is an app that works with emergency services and dispatchers to decide how to optimally allocate medical resources through its storage of dispatcher codes for emergencies.

Patient Safety and Quality



Winner:

CoughDX

This app monitors patients' acoustic noises to log coughs that are processed through a machine-learning algorithm to diagnose any respiratory diseases.

PEARL

PEARL, which stands for Pulse Oximeter for Ear Lobes, is an earring that doubles as a pulse oximeter. It transmits real time data to a cloud that alerts responders if there is an anomaly.

Pharmascope

Pharmascope aims to improve hospital efficiency through attaching a NFC tag to each unit dose that will reveal personalized information for hospital pills and medications.

Other Notable Projects:

The Breath Band

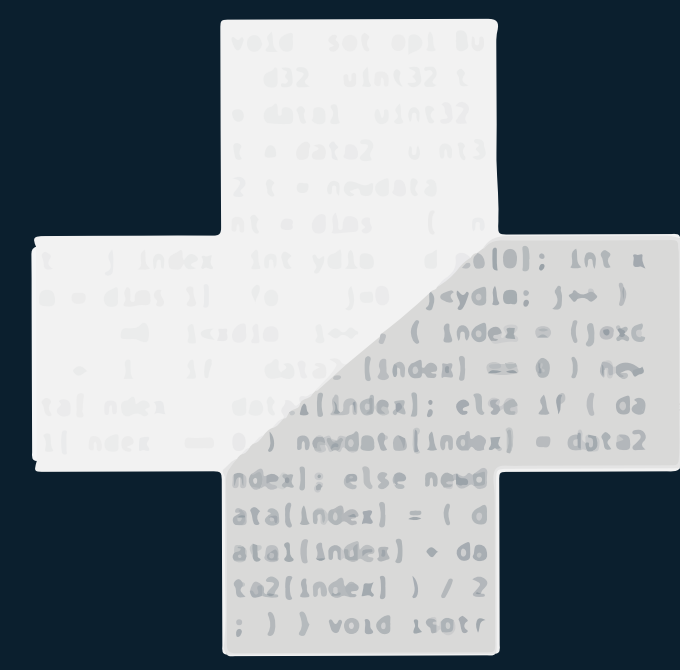
The breath band measures the expansion and contraction of the diaphragm to calculate the breath rate of a person. In cases irregular breath rate, the app will notify the medical staff.

Hot Take

Hot Take is an interactive map that highlights areas in which the quality of healthcare is lower than national average in order to seek effective policy change in healthcare.

Aegle

The developers of this project created this platform in order to motivate people at risk of weight to exercise and change their lifestyle through rewarding users for exercise in cryptocurrency.



MEDHACKS

A Catalyst for Interdisciplinary Medical Innovation

SEPTEMBER 2018

SPONSORSHIP INFORMATION

	1ST TIER	2ND TIER	3RD TIER	TITLE-TRACK
	\$1,000	\$3,000	\$7,500	TBD
GENERAL				
Send Mentors	X	X	X	X
Send Hardware	X	X	X	X
Run a Workshop	X	X	X	X
Judge Prelim Round		X	X	X
Present at Opening Ceremony			X	X
Judge Final Round				X
Run Track				X
BRANDING				
Distribute Swag	X	X	X	X
Logo on Website	X	X	X	X
Logo on Hacker T-Shirt		X	X	X
API Directory		X	X	X
Award Branded Prize		X	X	X
Present Prize at Closing Ceremony				X
RECRUITMENT				
Access to Resumes		X	X	X
Distribute Recruiting Materials		X	X	X
Present Info Session			X	X
Interview On-Site			X	X

ADD-IN

Access to Resumes
\$500

ADD-IN

Distribute Recruiting Materials
\$500

ADD-IN

Offer API Directory
\$750

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Judge Preliminary Round
\$1000

Thank you to all of our 2017 sponsors!



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