



MEDHACKS



JOHNS HOPKINS
UNIVERSITY

SEPTEMBER 27 - 29
2019

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

MEDHACKS

Friday, September 27th, 6:30 pm to
Sunday, September 29th, 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.

2018 Project Tracks

Open Science to Advance Health Equity

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.



Community Health Infrastructure



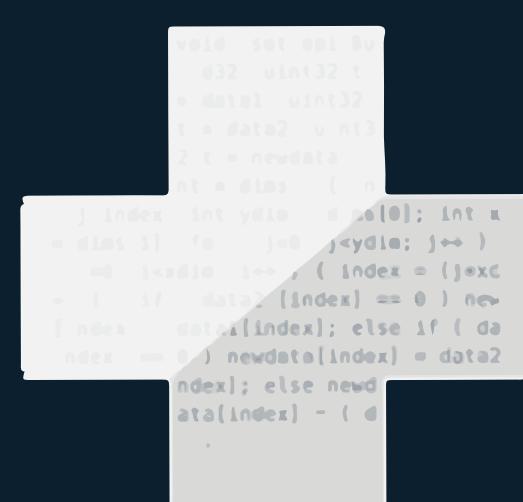
Blue Cross Blue Shield believes that social and regional determinants more often than not dictate patients' health as opposed to their genetic codes. Teams on this track will come up with their own solutions addressing the problem of accessing adequate health care.

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.

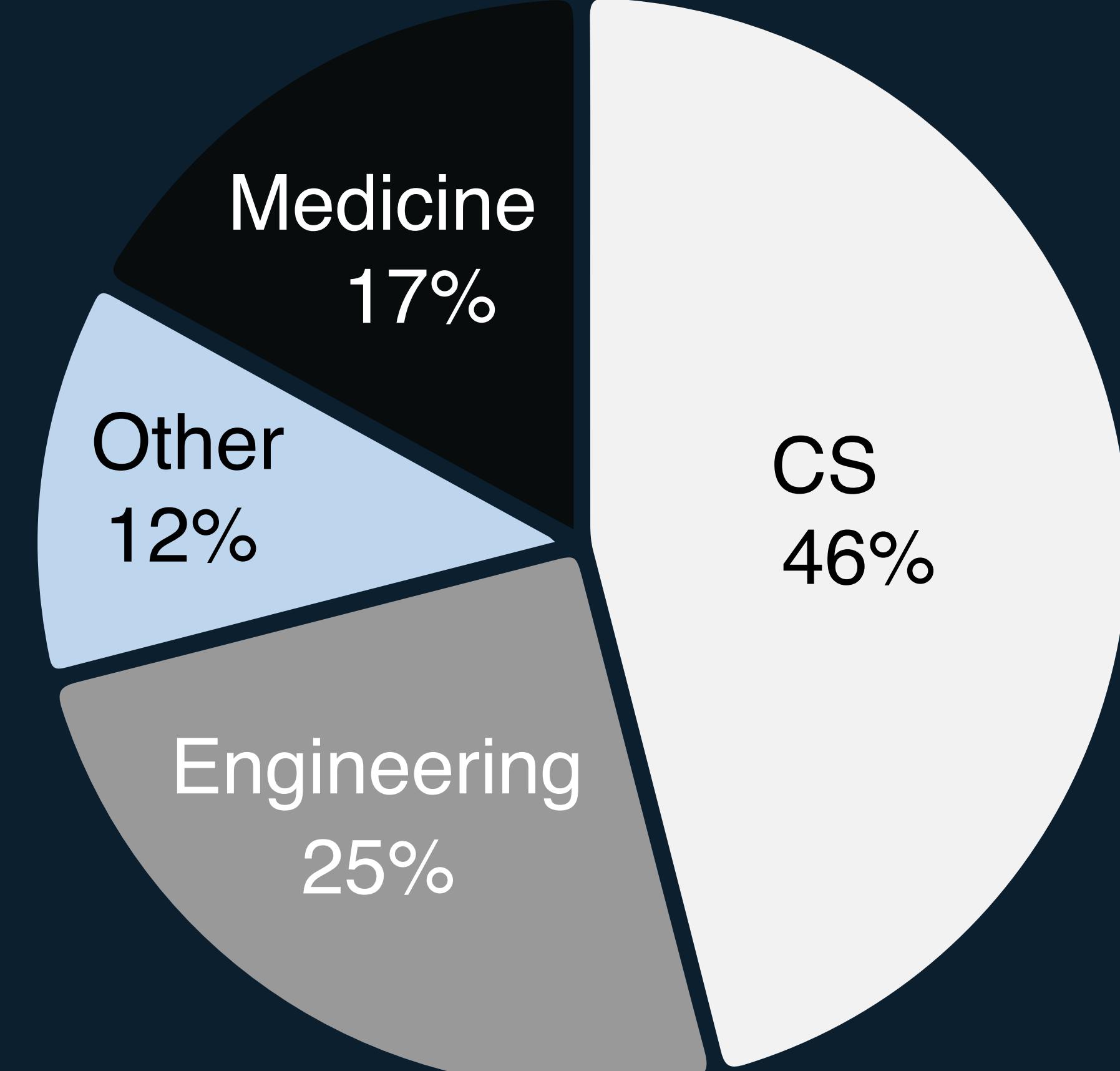
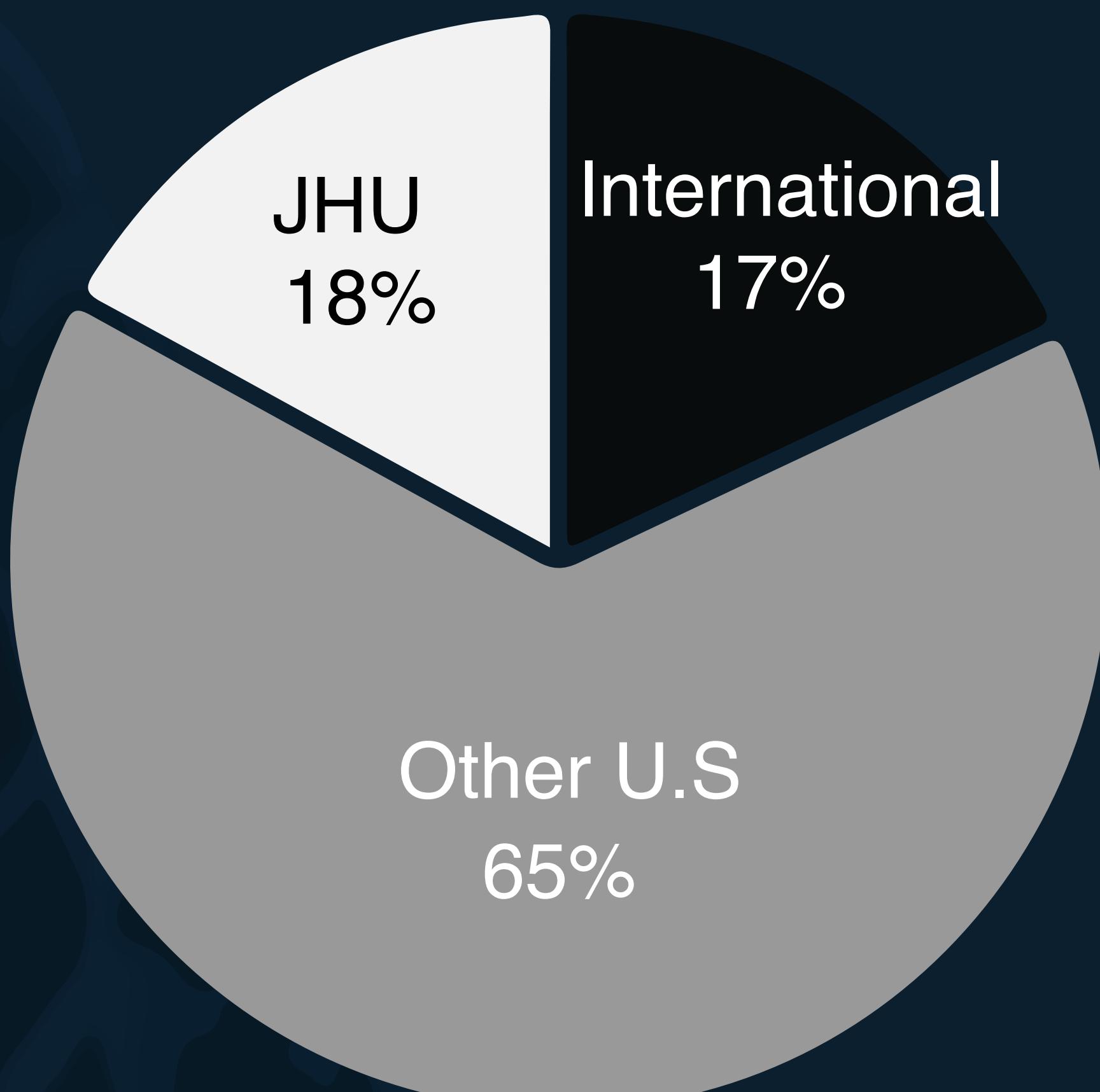
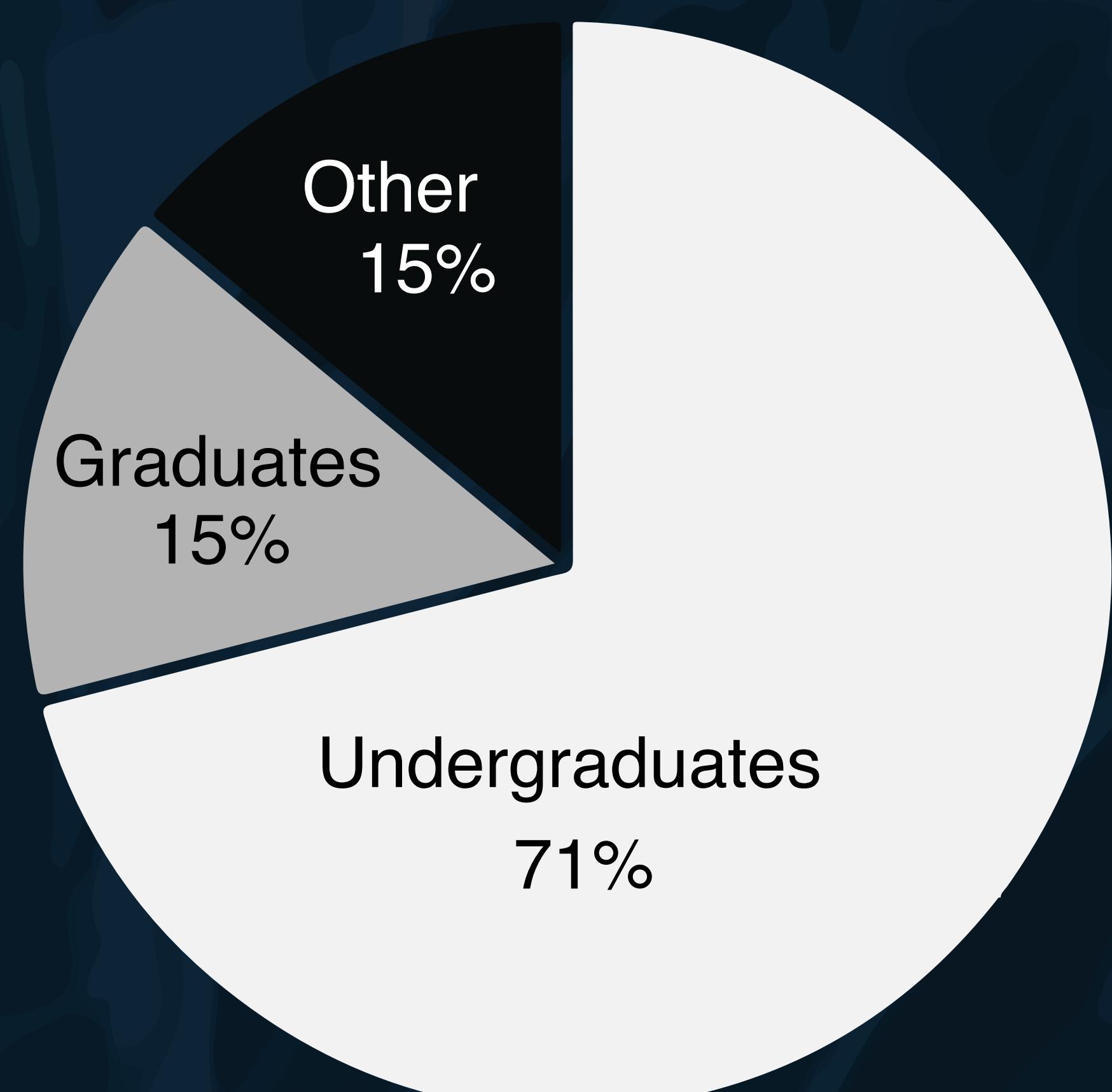


MEDHACKS

From Last Year...

Who Attended?

1000+ 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

Best Projects

Melatonix



Melatonix created a tool that analyses pictures of skin lesions via machine learning and computer vision to calculate the risk of melanoma with a 92.4% identification accuracy.

Bandwidth



Bandwidth is a sensory band that detects risk factors for deep vein thrombosis in hospitalized patients. Any findings will be relayed to computers in the hospital's nursing station and ultimately improves the early detection of DVT.

Citizen Scientist



Citizen Scientist is a web app that helps connect patients with clinical trials. Clinical research interests can pay Citizen Scientist to survey users and patient populations using the app, and patients can volunteer on a case-by-case basis.



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A Catalyst for Interdisciplinary Medical Innovation

SEPTEMBER 2019

SPONSORSHIP INFORMATION

MEDHACKS	1ST TIER	2ND TIER	3RD TIER	TITLE
	\$1,000	\$3,000	\$7,500	TBA
GENERAL				
Send Mentors	X	X	X	X
Send Hardware	X	X	X	X
Run a Workshop	X	X	X	X
Judge Preliminary 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

ADD-IN

Judge Preliminary Round
\$1000

Sponsor Descriptions

Mentors

Mentors can offer their expertise in the healthcare field to help hackers brainstorm projects and refine their implementations. They also provide a great way for hackers to meet professionals in the industry. Mentors are needed throughout the 36 hour hacking period, although the time commitment for an individual mentor can vary depending on individual availability.

Hardware

If you would like hackers to use a certain piece of hardware in their projects, you can bring it to MedHacks! The hardware will be returned at the end of the hackathon.

Workshops

Workshops are usually around 1-hour long, and they give a chance for hackers to develop new skills. Last year's workshops included Quantitative Robotic Surgery hosted by Intuitive Surgical, a Big Data in Healthcare Panel, and How to Pitch to Investors by Hemi Ventures.

Judging

Judging is split into two rounds. In the first preliminary round, every project will be judged. The best projects will be invited to the final round of judging to decide the final winners. Each round of judg-

Award Branded Prizes

Sponsors can offer branded prizes for projects that meet certain criteria of their choosing. For example, last year, branded prizes included Roivant Sciences Best Use of Public Healthcare API Award and SimplyVital Health's Best Use of Key Pair System.



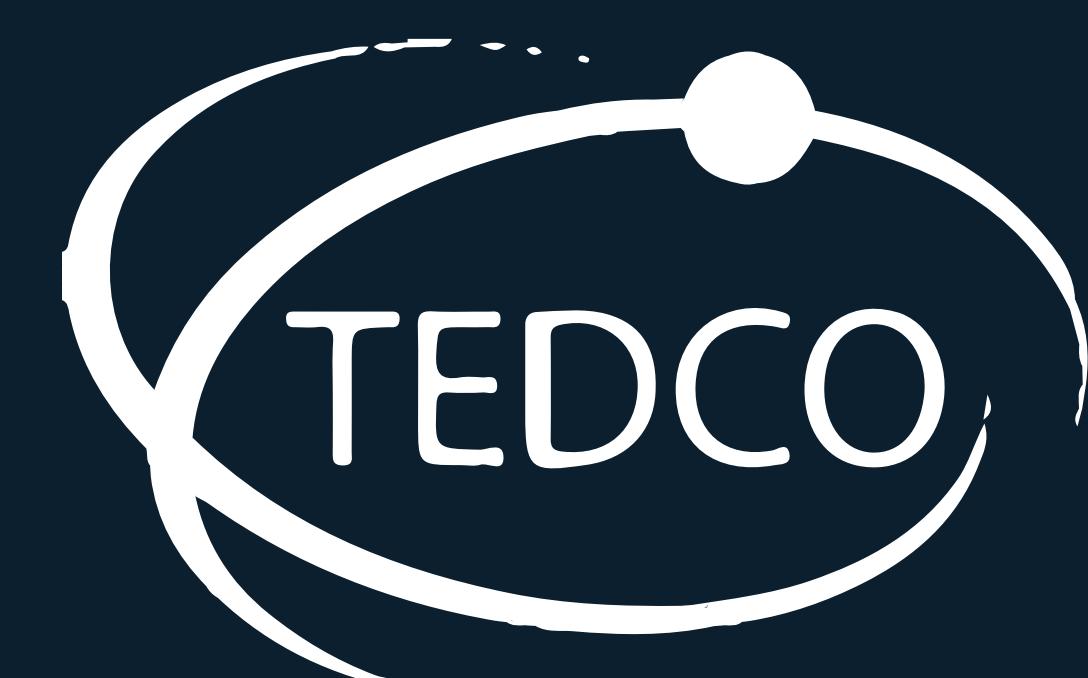
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HIGHMARK®



Epic

EMOTIV

ROIVANT
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The MedHacks logo features a white cross-like icon with a grid pattern on its left side. To the right of the icon, the word "MEDHACKS" is written in a large, bold, black, sans-serif font.