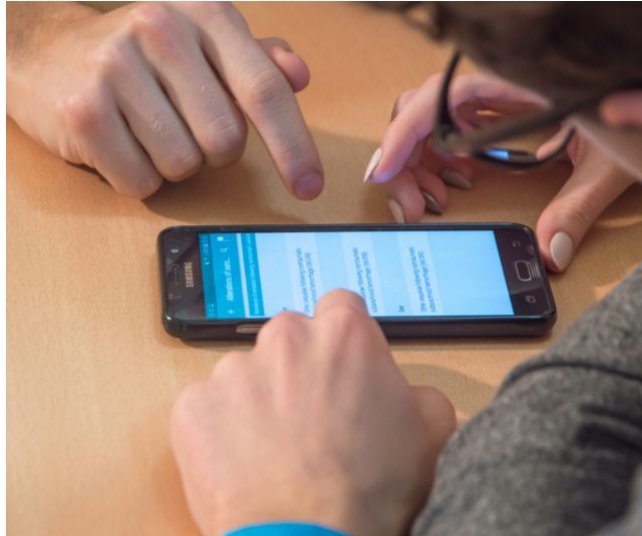Get an InSimu Patient. Teach to save lives.

insimu

InSimu Research

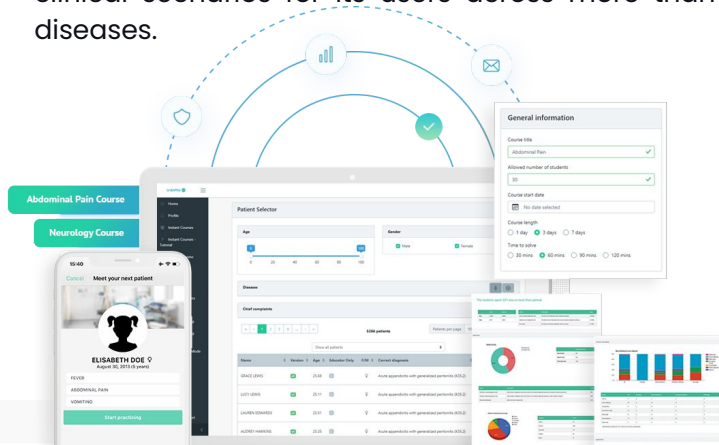## HOW DOES THE INSIMU VIRTUAL PATIENT SIMULATOR APP SHAPE...

Knowledge

Skills

Attitude?

About InSimu

InSimu Patient is an interactive medical education app with simulated virtual patients, unlimited diagnostic pathways, and an objective scoring system.

InSimu detects blind-spot and pitfalls in diagnostic thinking and efficiently teaches the correct, cost- and time-efficient, evidence-based diagnosis with a cutting-edge learning algorithm, like a private mentor.

In addition, the app offers more than 7,000 unique clinical scenarios for its users across more than 140 diseases.

About The Research

In 2021, InSimu invited its users to join the InSimu impact assessment survey. The objective of the research was to gain insight into the impact that the InSimu virtual patients simulator app makes on students'

- learning outcomes
- clinical skills
- and attitudes towards clinical training.

The users of InSimu were asked to fill out a Likert scale-based questionnaire, provide their demographic information and some aspects of their user behavior. In addition, students had to rate how much they agree or disagree with the statements provided by InSimu.

The study aims to offer insights for medical faculties on what is the most valuable benefit of a virtual patient platform for different student segments.
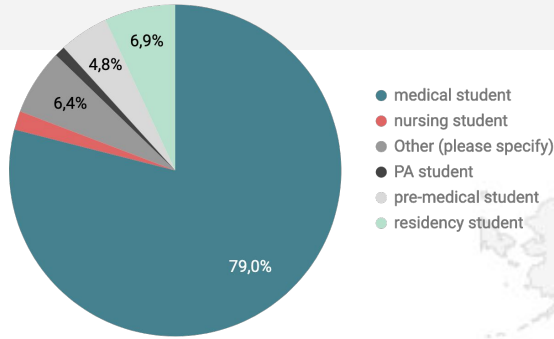
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Demographics

870 students from 96 countries completed the survey. The sample group represents various segments in healthcare education with different professional, cultural and ethnic backgrounds.

The InSimu Patient app is mainly used by medical students; they represent the bulk of the sample at 79%, followed by residency students, pre-medical students, nursing and PA students. 66.6% of the sample students have already participated in clinical rotations, while 33.4% didn't have this experience yet.

Occupation

- medical student
- nursing student
- Other (please specify)
- PA student
- pre-medical student
- residency student

6,9%
4,8%
6,4%
79,0%

Clinical Experience

- No
- Yes

33,9%
66,1%

1   81

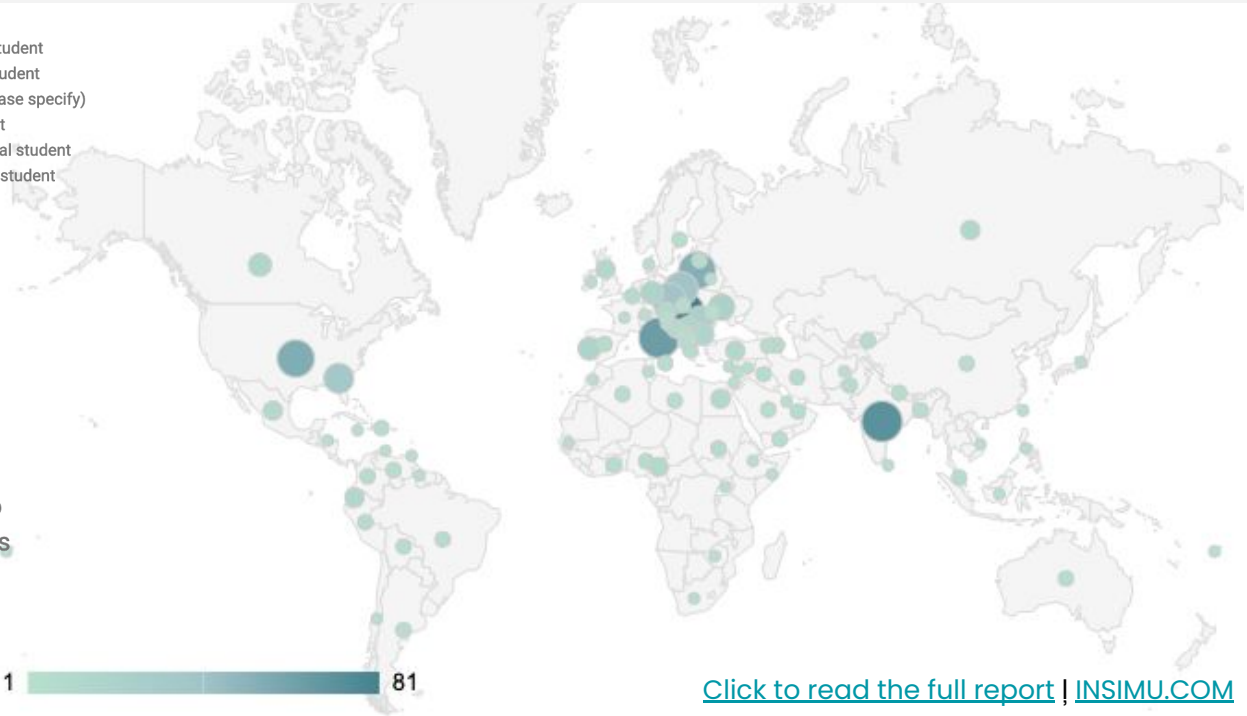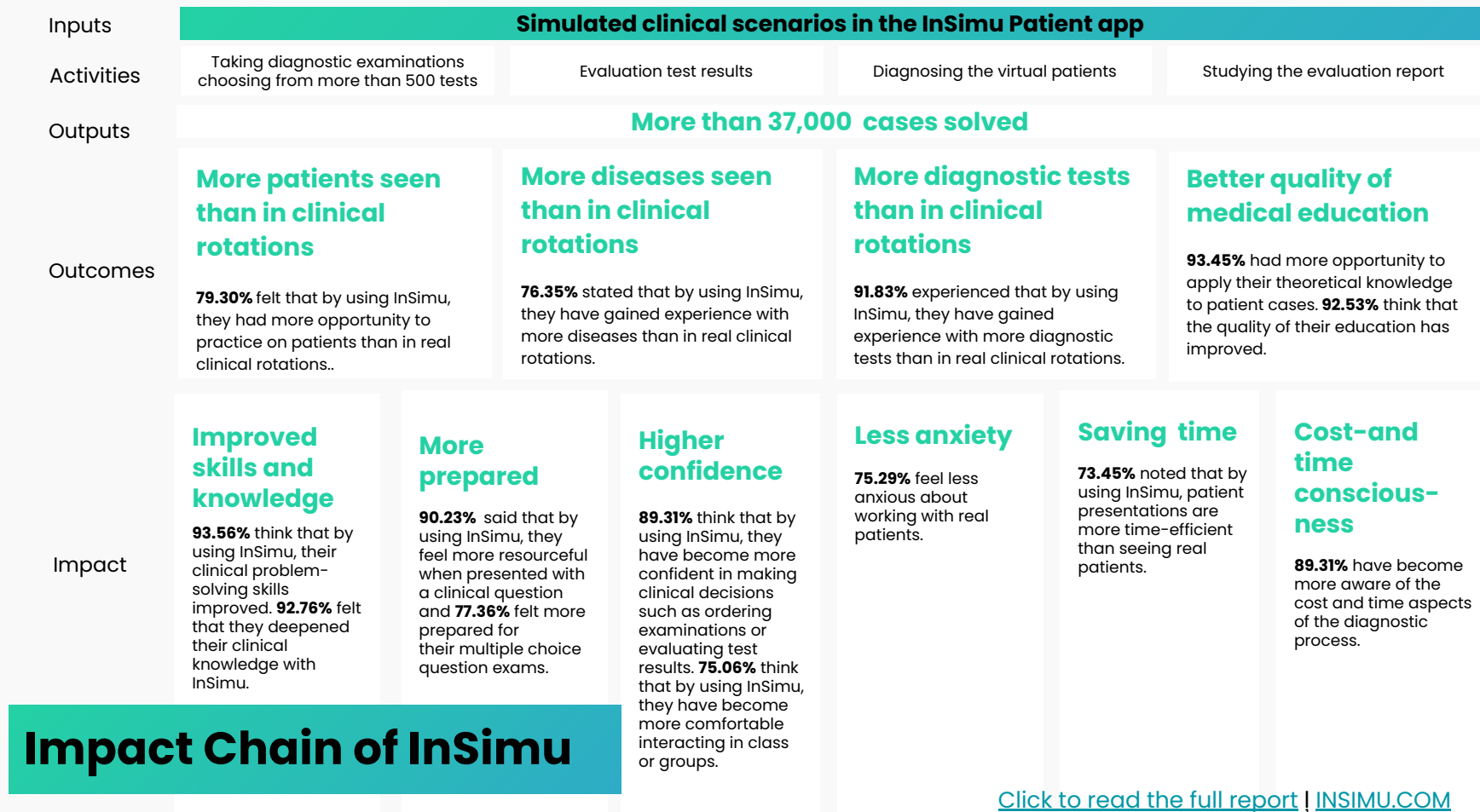| Inputs	Simulated clinical scenarios in the InSimu Patient app			
Activities	Taking diagnostic examinations choosing from more than 500 tests	Evaluation test results	Diagnosing the virtual patients	Studying the evaluation report
Outputs	More than 37,000 cases solved			

Outcomes

More patients seen than in clinical rotations

79.30% felt that by using InSimu, they had more opportunity to practice on patients than in real clinical rotations..

More diseases seen than in clinical rotations

76.35% stated that by using InSimu, they have gained experience with more diseases than in real clinical rotations.

More diagnostic tests than in clinical rotations

91.83% experienced that by using InSimu, they have gained experience with more diagnostic tests than in real clinical rotations.

Better quality of medical education

93.45% had more opportunity to apply their theoretical knowledge to patient cases. **92.53%** think that the quality of their education has improved.

Impact

Improved skills and knowledge

93.56% think that by using InSimu, their clinical problem-solving skills improved. **92.76%** felt that they deepened their clinical knowledge with InSimu.

More prepared

90.23% said that by using InSimu, they feel more resourceful when presented with a clinical question and **77.36%** felt more prepared for their multiple choice question exams.

Higher confidence

89.31% think that by using InSimu, they have become more confident in making clinical decisions such as ordering examinations or evaluating test results. **75.06%** think that by using InSimu, they have become more comfortable interacting in class or groups.

Less anxiety

75.29% feel less anxious about working with real patients.

Saving time

73.45% noted that by using InSimu, patient presentations are more time-efficient than seeing real patients.

Cost-and time conscious-ness

89.31% have become more aware of the cost and time aspects of the diagnostic process.

Impact Chain of InSimu

N=870 (full sample)

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Students in the clinics

The most valued impacts for students who already had rotations

I've become more aware of the cost and time aspect of the diagnostic process. **4.94**

I could practice a larger scale of clinical decision making, than in real clinical rotations. **4.83**

I've had more opportunities to apply my theoretical knowledge to patient cases. **4.82**

My clinical problem-solving skills improved. **4.79**

I feel that I deepened my clinical knowledge. **4.77**

I feel that the quality of medical education improved. **4.72**

I feel more resourceful when presented with a clinical question. **4.65**

I've become more confident in making clinical decisions such as ordering examinations or evaluating test results. **4.63**

I often spend extra time trying to obtain more information about a disease after solving an InSimu case. **4.44**

I had more opportunities to practice on patients than in real clinical rotations. **4.43**

1   2   3   4   5   6

Strongly disagree   Strongly agree

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Why you need InSimu Patients to supplement clinical training

Deliver a more comprehensive clinical training with the help of virtual patients.

75% agreed that they had gained experience with **more diseases** than in real clinical rotations.

91% of the students agreed that they could practice **a larger scale of clinical decision making** (e.g., ordering labs, imaging), than in real clinical rotations.

79% agreed that they had **more opportunities to practice on patients** than in real clinical rotations.

Decrease students' anxiety

73,35% of the students agreed that by using InSimu, they feel less anxious about working with real patients. The correlation was strongest among students who reported they practiced with the app, at least daily.

Increase confidence

89,04% of the students agreed that by using InSimu, they had become more confident in making clinical decisions such as ordering examinations or evaluating test results.

Increase cost-and time consciousness

90,55% of the students agreed that they have become more aware of the cost and time aspect of the diagnostic process. Respondents agreed more strongly if they had been practicing with the app for at least 6 months.

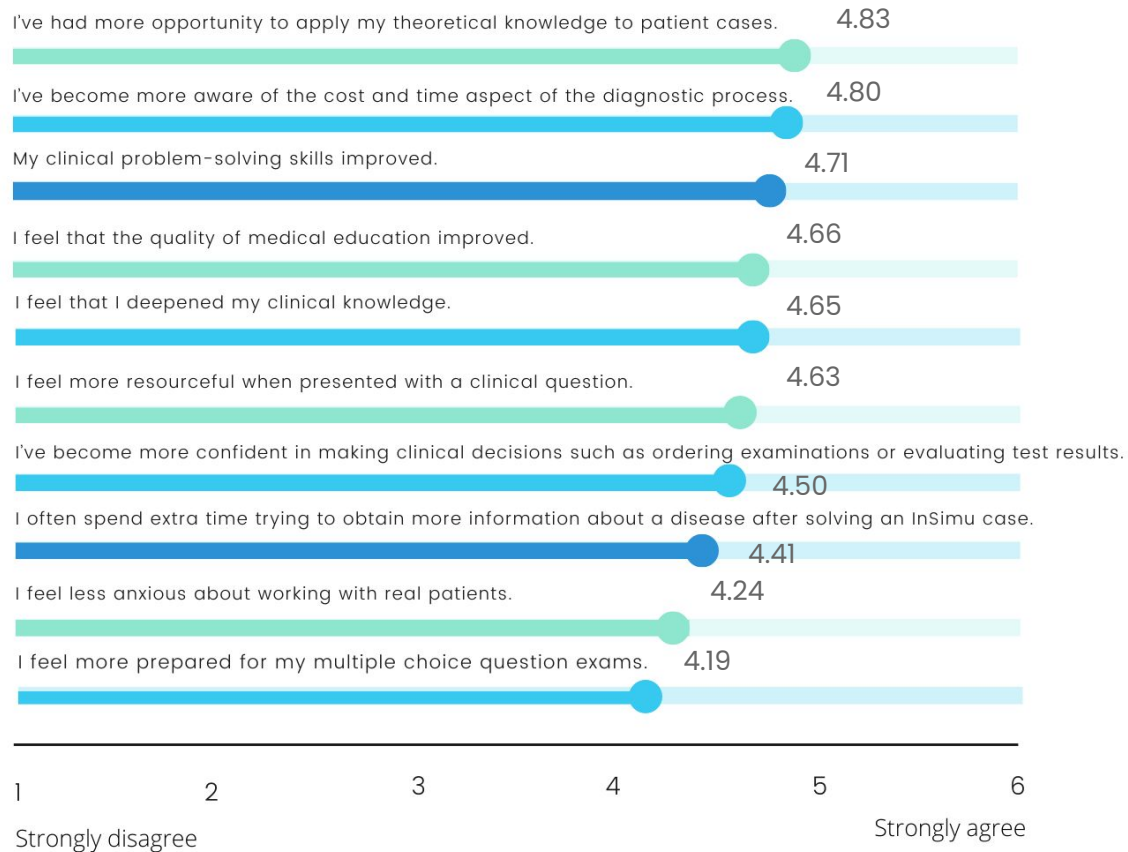*N=529 (only residents and medical students)*

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Students in pre-clinics

The most valued impacts for students who haven't had any clinical rotations yet.

I've had more opportunity to apply my theoretical knowledge to patient cases. **4.83**

I've become more aware of the cost and time aspect of the diagnostic process. **4.80**

My clinical problem-solving skills improved. **4.71**

I feel that the quality of medical education improved. **4.66**

I feel that I deepened my clinical knowledge. **4.65**

I feel more resourceful when presented with a clinical question. **4.63**

I've become more confident in making clinical decisions such as ordering examinations or evaluating test results. **4.50**

I often spend extra time trying to obtain more information about a disease after solving an InSimu case. **4.41**

I feel less anxious about working with real patients. **4.24**

I feel more prepared for my multiple choice question exams. **4.19**

1   2   3   4   5   6

Strongly disagree   Strongly agree

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Why you should use InSimu Patients in pre-clinics

Prepare your students for future clinical challenges.

91% felt that by using InSimu, the **quality of medical education** improved.

N=218 (only medical students)

Help them apply knowledge in practice

94,95% agreed that they get more opportunities to apply their theoretical knowledge to patient cases with the InSimu app.

Improve clinical problem solving skills

92,66% agreed that their clinical problem-solving skills improved. Students were more likely to agree if they have been using InSimu for more than 6 months or practice monthly with the app.

Help them become more resourceful

89,91% agreed that they feel more resourceful when presented with a clinical question. Students were more likely to agree if they practice at least every month with the InSimu app.
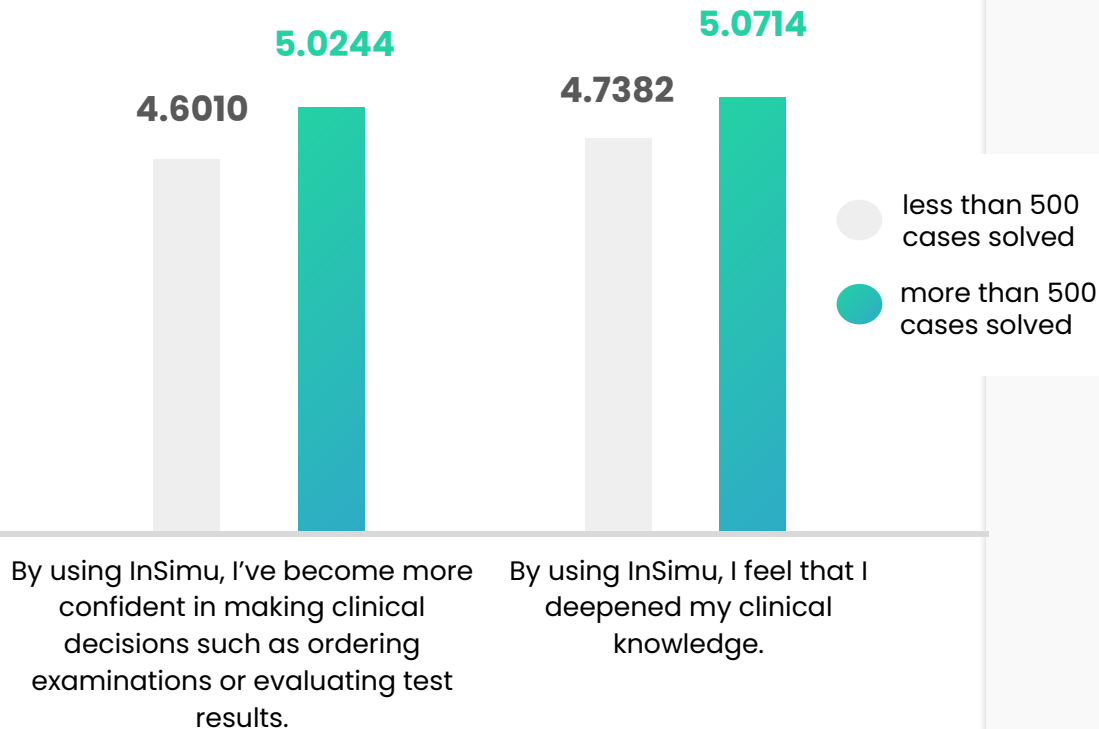
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Take the next steps with InSimu Patients.

1. SCHEDULE A CALL

Check out firsthand how the student and educator platforms work! We can show you a live demo tailored to your needs. In the call, we'll also discuss your needs and what strategy might work best for you. Book a meeting in a few seconds by picking the most suitable time here.

2. TRY IT OUT

After our meeting, you will have the opportunity to test the platforms with your colleagues and students. During the trial period, we provide you with all the support needed to assess the platforms' features. At the end of the trial period, you will receive a report of your students' performance.

3. EXPLOIT THE BENEFITS OF INSIMU

Evaluate the results of the trial period and share your experience with us. We will work together to find the most suitable solution truly based on your needs and capacity to help you level up your medical diagnostic skill-building.

ANDREA HERDON
Partnership Manager

andrea.herdon@insimu.com

BOOK A MEETING

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