

Panel Discussion: AI for the Health Industry and Workforce Perspectives from Practitioners



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Medical Student

Clinical Rotation During the Rapid Growth of AI

**2018–
2024**

Medical Doctor

Puskesmas
General Hospital

**2024–
2025**

AI Hands On Experiences

- Develop AI Chatbot for Medical Doctors
- Develop AI-assisted Learning Platform
- AI in Health Systems Hackathon Finalist

**2024–
now**

AI for Medical Student & Doctors?

Medical Student

Learning Companion

- Simplify explanations
- Clinical skills practice with patients simulation
- Organizing notes & summarizing lecture materials



Young Doctors

Clinical Support Tool

- Calculate medication dosages
- Summaries of treatment recommendations.
- Automate writing reports & electronic health records



Opportunity:

AI as an **assistant**,
not a replacement
for doctors.



Brainstorming & reviewing medical topics or clinical cases

Assisting research (finding references & refining writing structure)

Research Findings:

AI + human = reducing clinician time by up to 8x (Palmer et al., 2025)

Improves diagnostic precision + resource allocation + lowering costs (Arab et al., 2025)

AI Challenges?

for Medical Students and Young Doctors

Overdependence on AI

Misinformation

Patient Confidentiality

Global Datasets May Not Reflect Indonesia's Population

Affecting Doctor–Patient Relationship

Therefore,

Integrating **AI Literacy** into Medical Education → Preparing Future Clinicians for an AI-Driven Healthcare System (Chang et al., 2026)

How to Get Ready for Working with AI?

As a Medical Students and Young Doctors

Collaborate to Create Innovative AI Solutions

Across disciplines and sectors

AI in Healthcare Hackathons

Initiate & Participate

OPEN FOR ALL COLLEGE STUDENTS

CIMSATHON

NATIONAL DIGITAL HEALTH INNOVATION COMPETITION

Subtheme: AI-Driven Healthcare Solutions

Develop
Strong

Critical Thinking & Clinical Reasoning

Promote and Advocate AI

As a clinical assistant, not a replacement for doctors

Responsible & ethical use of AI



World
Bioethics
Day



Could AI Strengthen Healthcare?

Remote Communities

Access

Personalized monitoring, education,
and medication reminder
anytime, anywhere

Quality of Care

- AI-assisted interpretation of x-rays and lab results
- **Real-time** translation

Workers

Prevention

Early Warning Systems

1. **AI-powered wearable devices:**
vital signs and heat stroke
2. **Predictive risk assessment** for
workplace accidents
3. **Real-time monitoring** of hazardous dust
and gas exposure

Research Findings:

AI transforms telemedicine with improved diagnostics, real-time monitoring, and patient engagement in **remote care**
(Chaturvedi et al., 2024)

Integrating AI in **occupational health** and safety
improves safety and productivity
(El-Helaly et al., 2024)



AI as a clinical assistant, not a replacement for doctors.



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