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# Harnessing AI to Transform Healthcare Systems in Indonesia

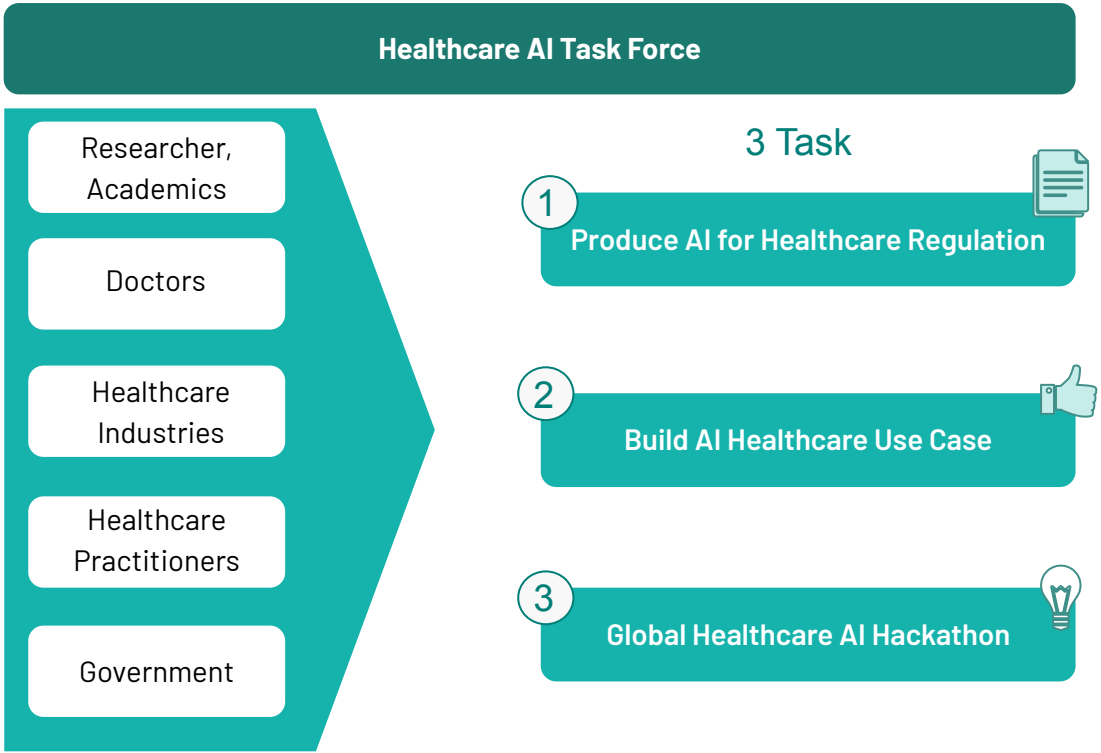
**Setiaji, S.T., M.Si**
Senior Advisor to Minister of Health,
Republic of Indonesia

Singapore, 16 October 2025



# INDONESIA MoH HAS SET UP HEALTHCARE AI TASK FORCE

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# 3 TASKS OF INDONESIA'S HEALTHCARE AI TASK FORCE

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## 1 Produce AI for Healthcare Regulation

**AI for Healthcare Regulation, part of**

**Indonesia's National AI Strategy with 3 Priority Case**

- Tuberculosis Screening
- Stunting Prediction
- National Free Health Check Up

## 2 Build AI Healthcare Use Case

**AI Healthcare Use Case**

- Genomics
- Healthcare Imaging AI
- Large Language Models

## 3 Global Healthcare AI Hackathon

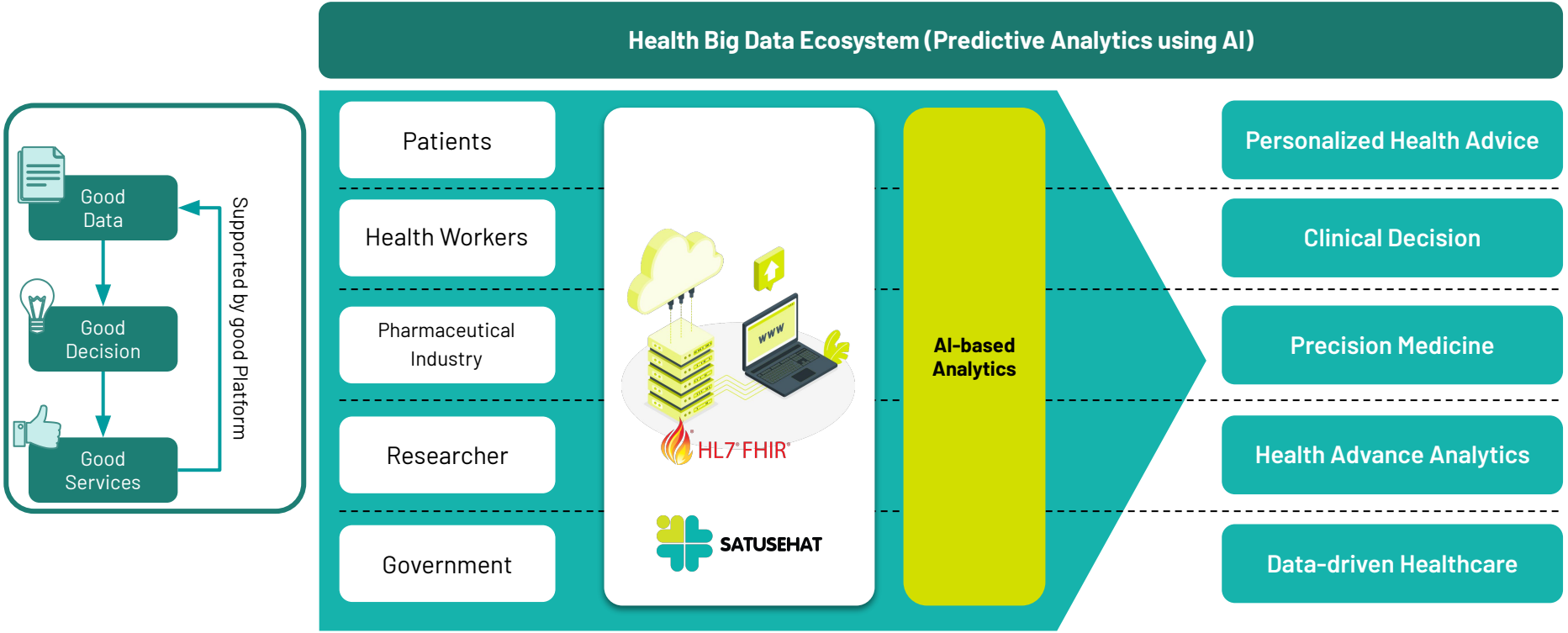



- 10 Countries, 278 Teams
- 4 Countries, 23 Finalist
- 3 Winners

# HEALTHCARE PRECISION AND ACCURACY POWERED BY AI

Artificial intelligence requires large and quality data intake

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***Artificial Intelligence-based health data analysis*** *will* ***increase speed, precision, and accuracy*** *in decision-making related to health services*

In the Ministry of Health, we have started AI Healthcare Use Case.

# AI HEALTHCARE USE CASE

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## 1 Genomics






Whole Genome Sequencing



Neural network model prediction

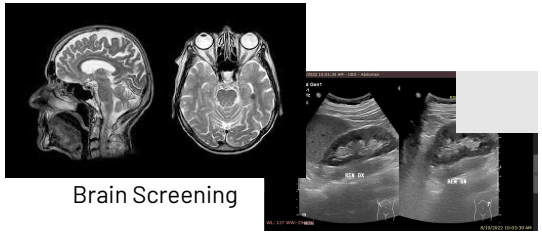
*Machine Learning* to study DNA Characteristic of cancer cell, Oncology precision AI therapy

## 2 Healthcare Imaging AI



TB Screening, collaboration with AI technology

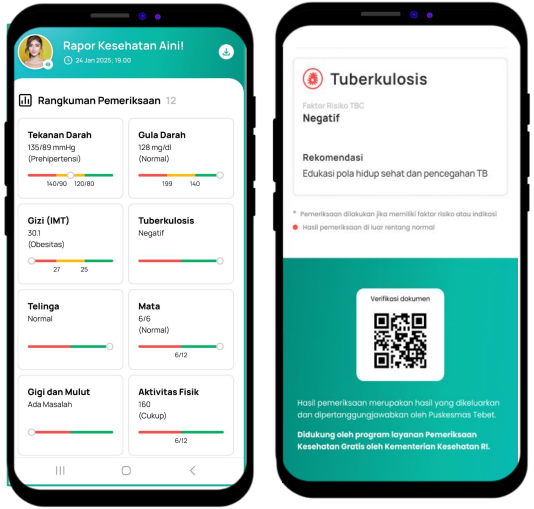
**Example of a DICOM file received by SATUSEHAT**



Brain Screening

Automatic detection of abnormal findings on imaging in pathology and radiology

## 3 Large Language Models




Analyzed health resume and recommendation in Free Health Check Up Reports

# 3 Principles at the Center of AI Innovation Implementation in Healthcare:

- ✓ Ethics
- ✓ Verification
- ✓ Accountability

# The Benefit of Using AI in Healthcare Must Remain Personal:

- ✓ Serve people
- ✓ Protect people's sovereignty
- ✓ Grounded in strong data protection principles


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