# AI4Leprosy

## Using artificial intelligence to accelerate leprosy diagnosis

**Early detection of leprosy is critical to halt transmission and prevent irreversible disability, yet diagnosis remains difficult in many settings.**

AI4Leprosy brought together health and technology partners to develop an AI-enabled screening assistance tool. Using anonymized skin lesion images and clinical data from Brazil and India, the initiative trained an AI model to assess the probability of leprosy. A global protocol was developed to enable data collection across geographies, improving model robustness and reducing bias.

### What changed?

- Developed an open-source AI model to support earlier leprosy detection
- Established global protocols for ethical, representative data collection
- Demonstrated the potential of AI to support frontline health workers and reduce stigma

### Why this matters for our work today

AI4Leprosy laid the groundwork for the Foundation's broader approach to using data and AI responsibly to strengthen population-level health systems.

## Key partners

Microsoft AI4Health; Oswaldo Cruz Foundation (Fiocruz); University of Basel