#### Leading the Digital Health Paradigm Shift



# Detecting Infectious Diseases Instantly

Applying AI to images to identify disease in seconds a patented app-based software solution







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600 million people infected by Strep A annually\* killing as many as malaria\*\*

Hospitals are drowning, antibiotics are failing, and millions lack access to basic health screening assessments

Trillion-dollar economic damages from infectious diseases and due to misdiagnoses

Global issue due to inappropriate use of antibiotics\*\*\*



https://www.who.int/news-room/fact-sheets/detail/antimicrobial-resist ance

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#### **NEED FOR URGENCY**

HEALTHCARE SUMMIT

Strep A requires timely test results due to the potential health implications and the urgent need for treatment

#### **INACCURATE RESULTS**

Doctor unable to identify Strep A through a visual assessment unlike other conditions such as skin lesions

#### PATIENT INCONVENIENCE

Approx. 20% tests due to a bacterial infection with most doctor visits unnecessary and could be avoided with digital health screening

#### O BEYOND STREP A

Consistent impact with COVID-19, Conjunctivitis (Pink Eye) and other medical conditions

#### STREP A HIGH PATIENT VOLUME

Very few conditions have the global reach of Strep A, infecting more than 600 million people

#### **COSTLY INFRASTRUCTURE**

Common tests like a throat swab require expensive lab capabilities not available in many countries.

#### **Analysis Time**

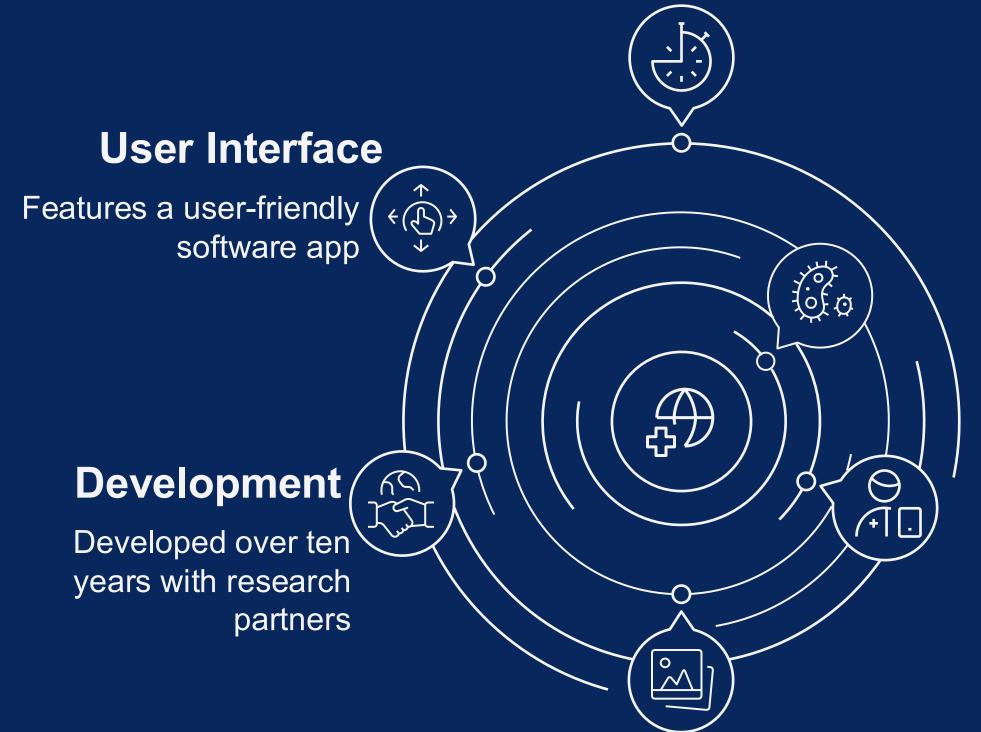
Provides diagnostic assessment in about 30 seconds





Solve

We developed an AI solution for Medical Condition Detection



Medical Conditions Detected

Identifies Strep A, Covid, Conjunctivitis, and others

Model Types
Medical Professional
and Wellness App

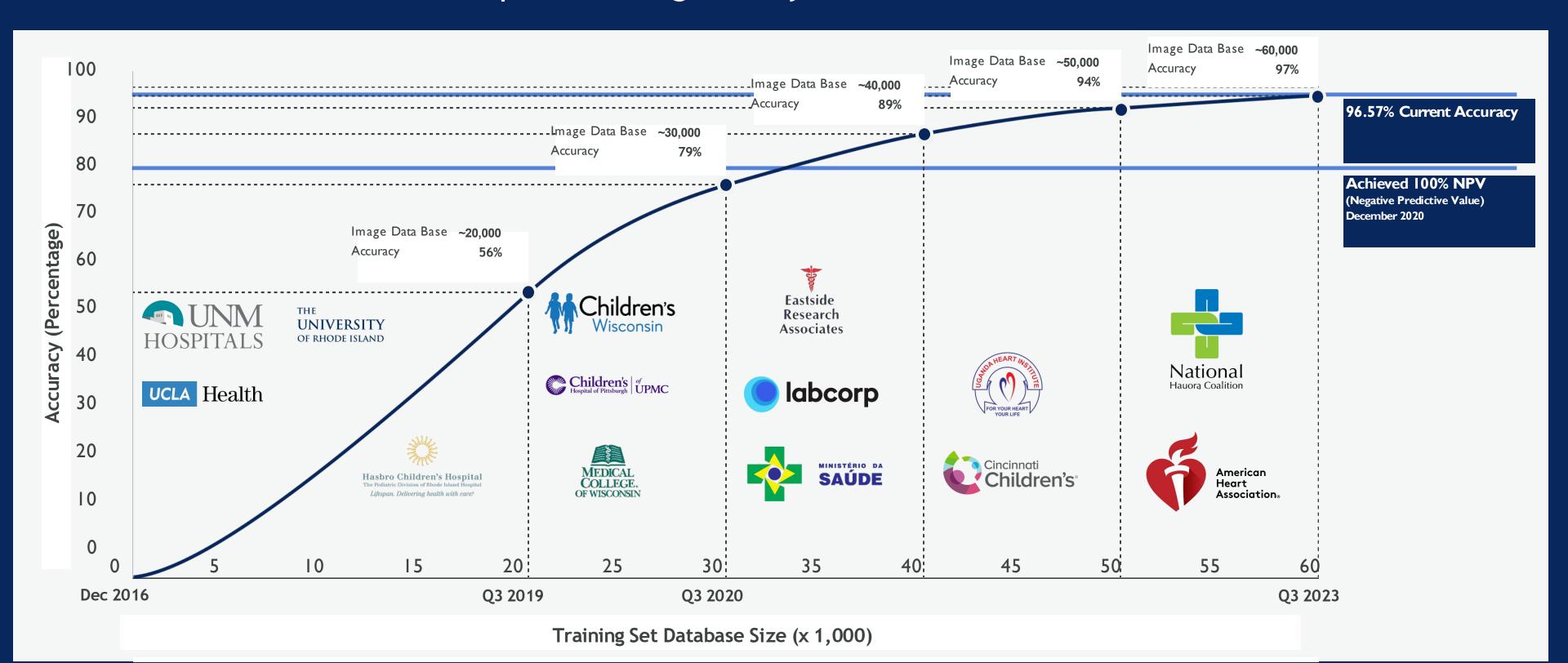
**Diagnostic Method** 

Non-Invasive
Uses image analysis without swabs or labs



#### An Iteratively Improving Al Model

Multiple Pre-Regulatory Validation Studies



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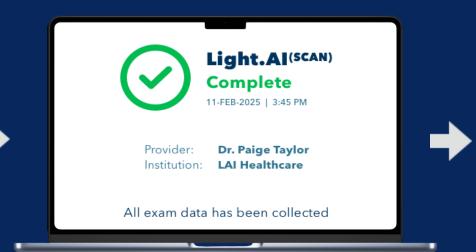
# Medical Professional Apples Identifies Infection within Seconds



# How it Works









#### Health Care **Provider Visit**

Patient visits Health Care provider

#### Scan Session Initiated

Health Care provider scan patient throat. Light AI technology automatically identifies biomarkers to analyze.

#### Scan **Analysis**

Light AI immediately analyzes the scan data and returns results within seconds.

#### **On-Demand**

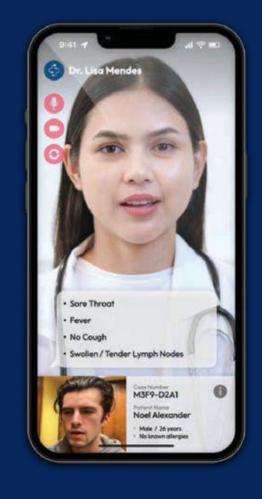
Decision support that is immediately accessible, real time, inexpensive, non-invasive, pain free and accurate.

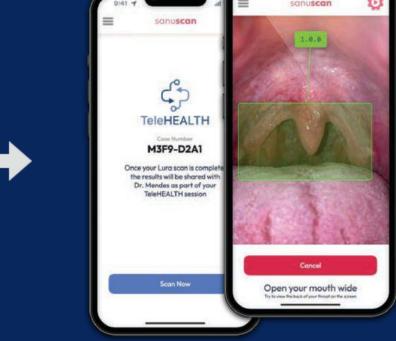
How it Works

## Wellness App

HEALTHCARE SUMMIT

#### Identifies Infection within Seconds









#### Contact Health Care Provider

Patient and healthcare provider meet over a telemedicine session - Symptoms are captured.

### Scan Session Initiated

Patient is prompted to scan their throat.

Light AI technology automatically identifies biomarkers to analyze.

#### Scan Analysis

Light AI immediately analyzes the scan data and returns results within seconds.

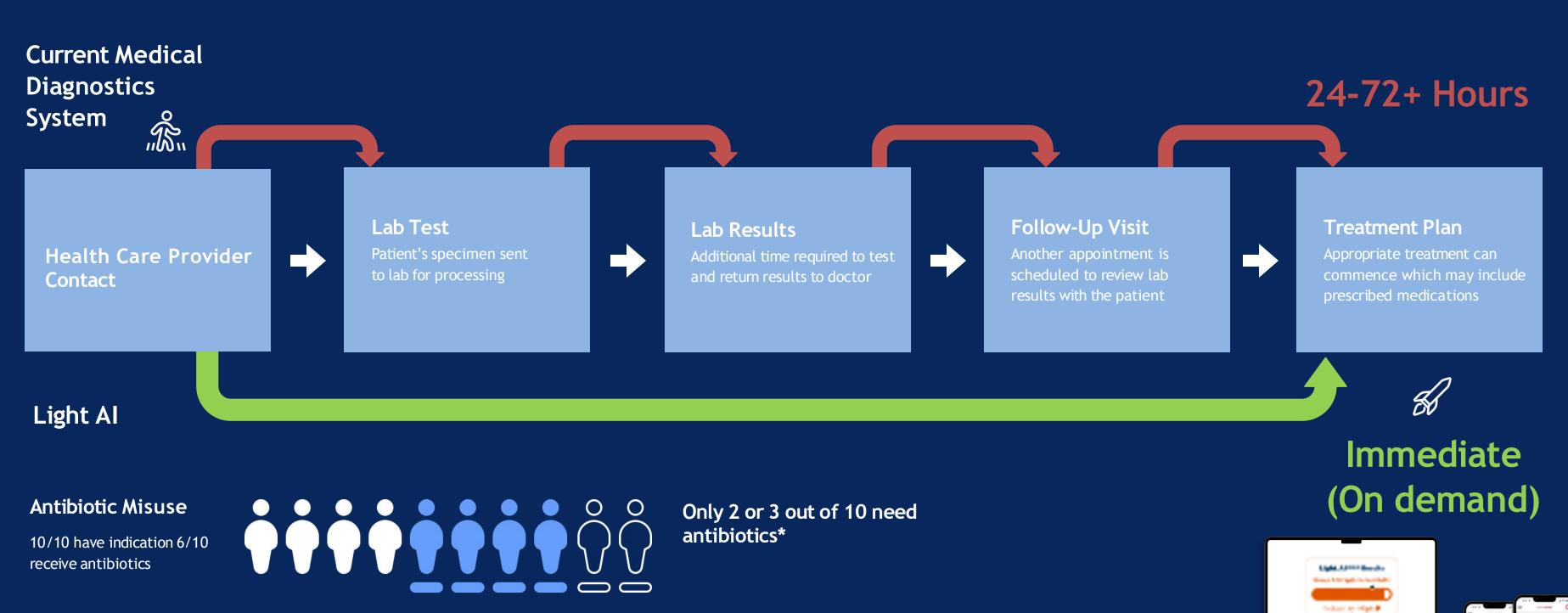
#### **On-Demand**

Decision support that is immediately accessible, real time, inexpensive, non-invasive, pain free and accurate.

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#### Existing Medical Ecosystem Time Consuming, Expensive, Inaccurate and Inefficient



\* Shulman, S. T., Bisno, A. L., Clegg, H. W., Gerber, M. A., Kaplan, E. L., Lee, G., Martin, J. M., & Van Beneden, C. (2012). Clinical practice guideline for the diagnosis and management of group A streptococcal pharyngitis: 2012 upd ate by the Infectious Diseases Society of America. Clinical infectious diseases: an official publication of the Infectious Diseases Society of America, 55(10), 1279–1282. https://doi.org/10.1093/cid/cis847.

Barnett, M. L., & Linder, J. A. (2014). Antibiotic prescribing to adults with sore throat in the United States, 1997-2010. JAMA internal medicine, 174(1), 138–140. https://doi.org/10.1001/jamainternmed.2013.11673.



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## Thank you

Contact us:

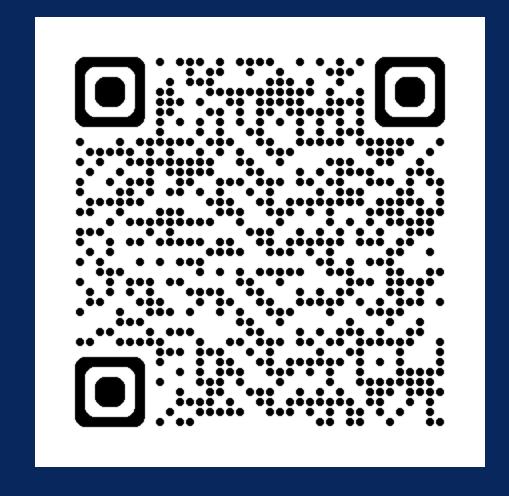
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