

Remote TB Screening using Swaasa® AI Platform

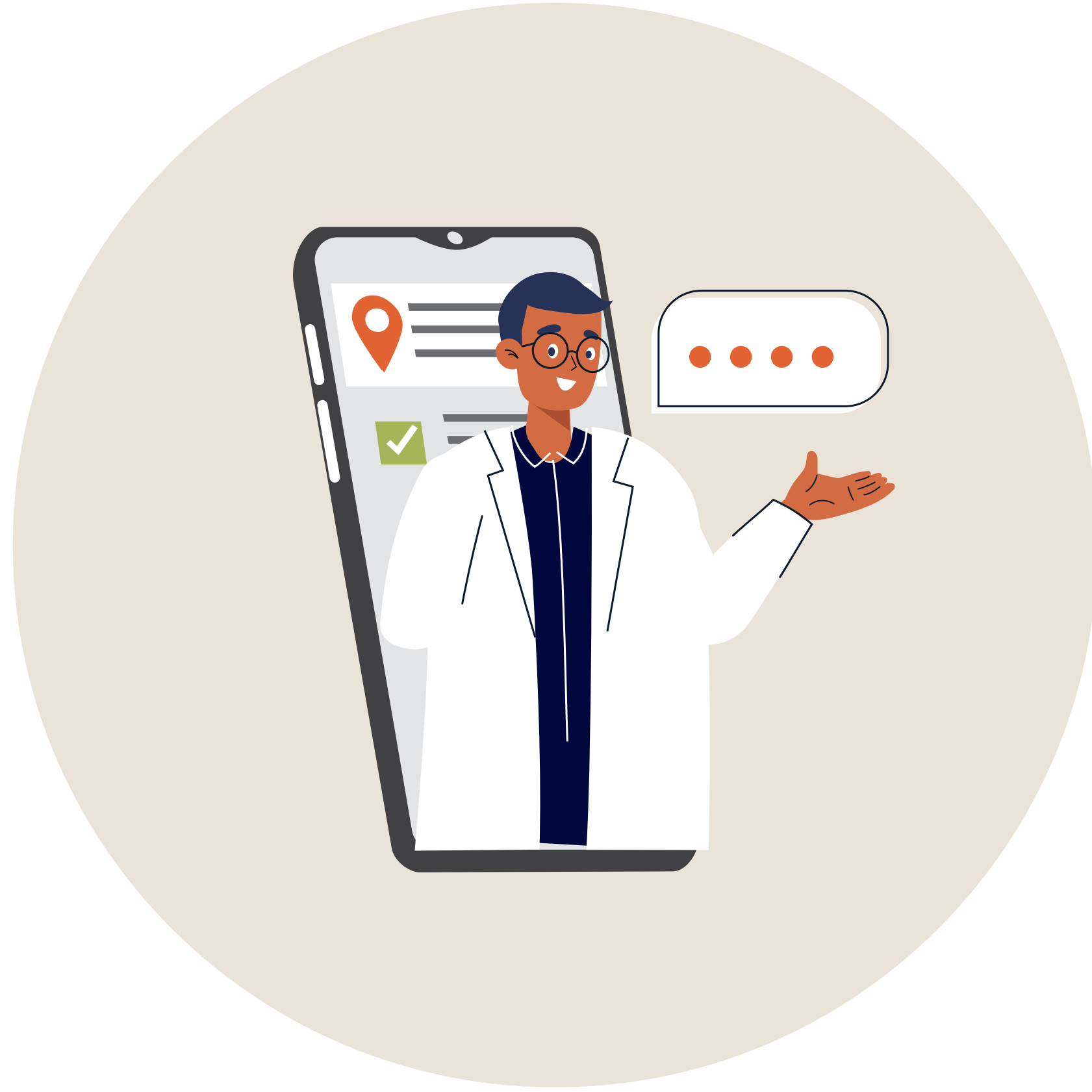


PATIENT IDENTIFIED IN THE COMMUNITY

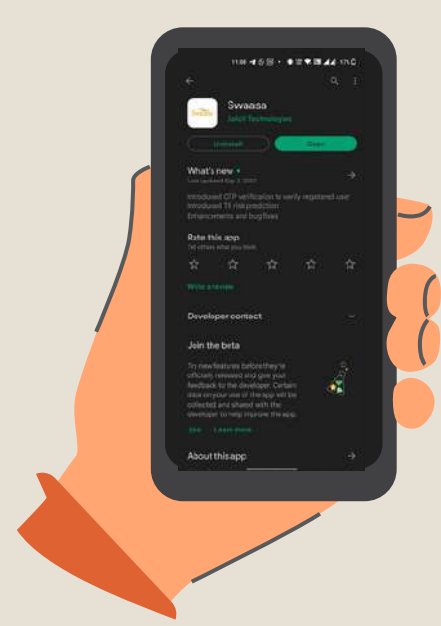
A patient exhibiting TB symptoms is identified by a Community Health Worker (CHW) or at a local clinic.

MESSAGE SENT FOR COUGH RECORDING

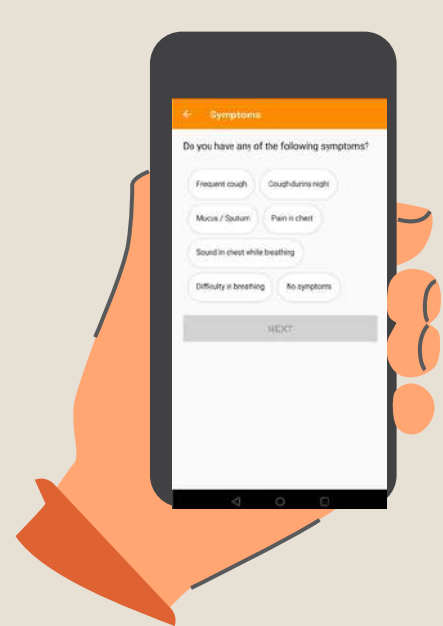
The CHW or clinic sends a text/whatsapp message to the patient at home, requesting a cough sound recording. The patient receives the message containing a URL link.



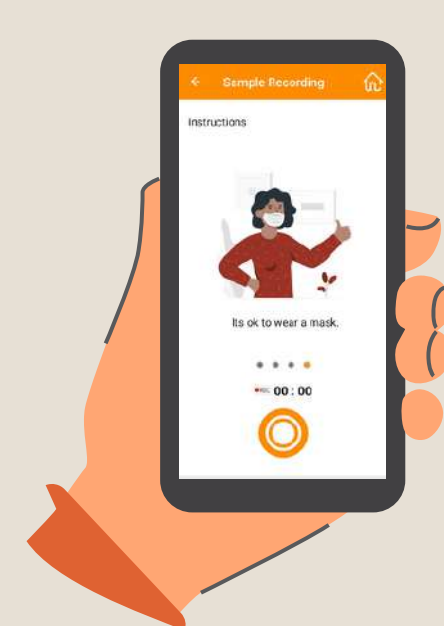
Patient Uses Swaasa® App to Take the Test



Clicking on the URL takes the patient to the app or app store for download.



Patient answers a questionnaire on preliminary symptoms.



Patient should find a quiet place to record the cough sounds.



PATIENT SUBMITS COUGH SOUND

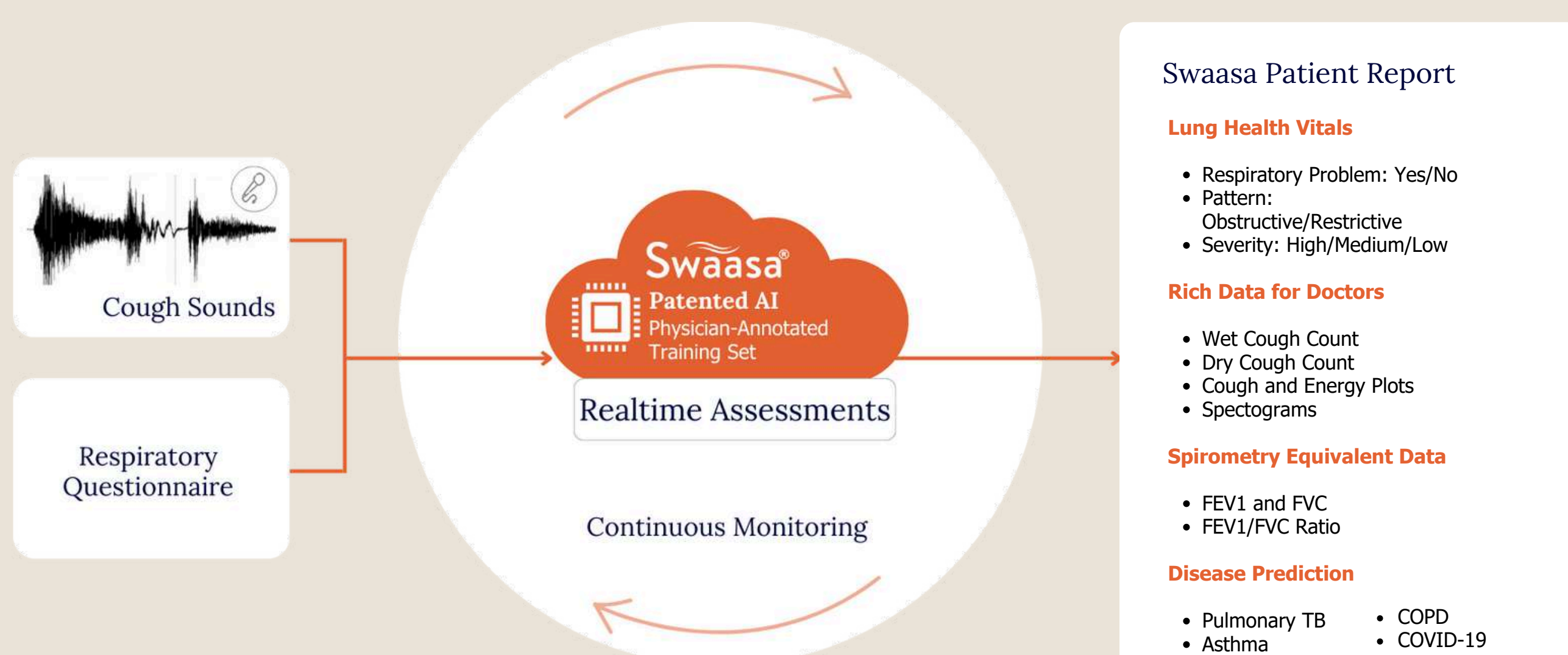
Patient records 3 bouts of cough sound for a duration of 10 seconds keeping the phone at distance of 10-12 cms. Patient submits the cough sound for analysis.

COUGH SOUND SENT TO SWAASA® CLOUD

The recorded cough sound is automatically uploaded to the Swaasa®- AI Platform in the cloud for analysis using the proprietary ML model.



Audiometric Analysis of the Cough Sound



INSTANT RESULTS AVAILABLE TO HEALTHCARE PROVIDERS

The results of the cough sound analysis are instantaneously made available to healthcare providers for review.

HEALTHCARE PROVIDERS MONITORS "HIGH RISK" PATIENTS CONTINUOUSLY

High risk patients are scheduled for a hospital visit if further diagnosis is needed and are asked to take cough assessment periodically to monitor the progress.

