CAPMEDIC

SIMPLIFYING HOME PULMONARY CARE

CapMedic® helps identify and **track** respiratory control, provides friendly **guidance** for correct and regular inhaler use, and **remotely monitor** the condition.

https://capmedicinhaler.com

email: info@cognitalabs.com

CAPMEDIC
REMOTE PATIENT MONITORING

CapMedic is the first Class II FDA cleared smart inhaler that assists with **correct and regular inhaler use** as well as **lung function monitoring**. The technology enables patients to take their medication correctly as well as keep track of their lung health.

Remote patient monitoring (RPM) with CapMedic makes it easy for providers to measure and track their patient population and provide timely interventions.

CMS codes for RPM and RTM (Remote therapeutic monitoring) enable reimbursements for all parts of the program. Cognita's care coordination team works with the Physician's office to **facilitate monitoring and timely interventions**.
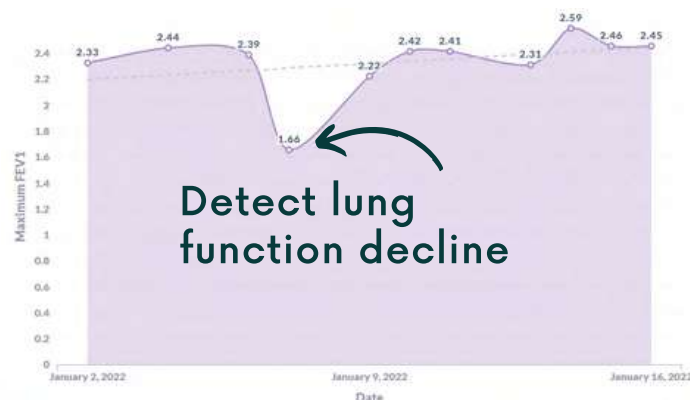
CapMedic enables lung function MONITORING and CORRECT, REGULAR inhaler use

TRACKS PEF+FEV1

Combines **at-home** Lung Function Measurement

Class II FDA cleared technology

Detect lung function decline
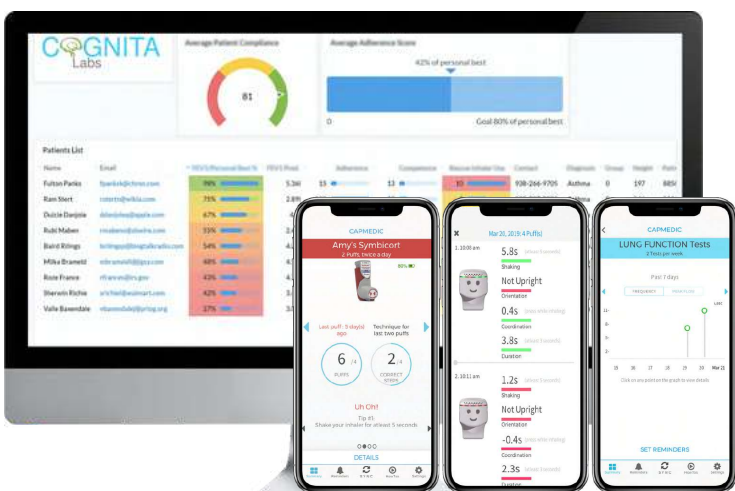
MEET CAPMEDIC

TALKS patients through inhaler use, measures and guides

- **Tracks number and time** of puffs
- Provides **audio-visual** reminders for correct technique
- **3X improvement** in inhaler technique (Paronyan et al. ATS '20)

RPM provides powerful analytics

Remote patient monitoring and data-driven identification of patients needing consultation.

Track lung function and symptoms for data-driven care

CapMedic digital spirometer measures FEV1, peak flow, and symptoms at home

Patients perform spirometry at home

- Digital spirometer measures FEV1, PEF
- **Audio feedback** encourages full patient effort
- <3s test leads to high patient compliance

Simple 3-Color Assessment

Immediate assessment using a quick Red-Yellow-Green traffic-light showing comparison with personal best.

Optional app shows FEV1 and PEF values for tracking.

Automated data transfer
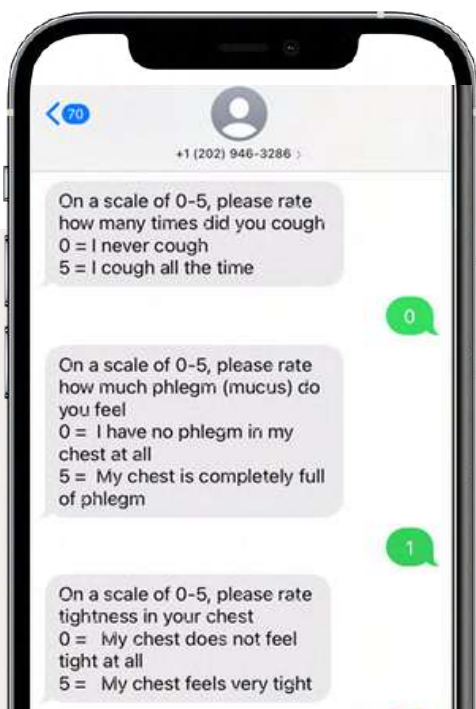
Hassle-free solution with our WiFi or Cellular Hub:

- **Fully automated** data transfer to cloud
- No additional cost

High patient engagement through SMS-based symptoms collection

Track patient disease control and symptoms through automated SMS-based standardized questionnaires such as

- Asthma Control Tests (ACTs),
- COPD Assessment Tests (CATs),
- Modified Medical Research Council (mMRC) Dyspnea Scale.
- Custom questionnaire

State-of-the-art technology gamifies, corrects everyday inhaler use

The FIRST smart inhaler for CORRECT, REGULAR inhaler use with 3X improvement*

TALKS patients through inhaler use, measures, and guides

- Track medication use
- Set medication reminders
- Vocally coaches for correct inhaler use including shaking, coordination, orientation, deep breathing and breath-hold
- Improve inhaler use beyond tracking doses

CapMedic gives **verbal and visual feedback** at every step to help use inhalers correctly for every puff.

SHAKE YOUR INHALER!

Mar 20, 2019: 4 Puff(s)

1. 10:08 am

5.8s (atleast 5 seconds)
Shaking

Not Upright
Orientation

0.4s (press while inhaling)
Coordination

3.8s (atleast 3 seconds)
Duration

2. 10:11 am

1.2s (atleast 5 seconds)
Shaking

Not Upright

Cognita provides monitoring and care coordination

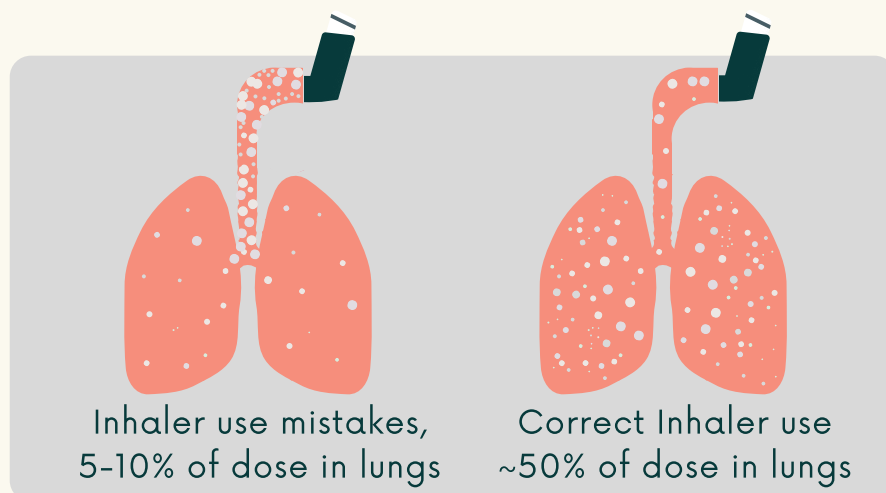### Cognita's team of trained care coordinators aid monitoring, timely intervention and billing

- Cognita team will perform the daily RPM services and monitor patient health status.
- **Our care coordinator will communicate with the patient regularly** and keep track of declining lung function or symptoms.
- They will provide regular reports to the physician coordinate interventions for timely care.

*In a clinical study (Data from Paronyan et al. '20, Landon et al. '20) with 26 asthma patients aged 8+, patients had **more than 3X improvement in their inhaler technique.**

Importance of regular and *CORRECT* inhaler use

Inhalers help in treating inflammations and obstructions in the airways. Regularly using your maintenance therapy helps to keep the inflammation minimum and controlled. But when inhalers are used incorrectly, you may get only **5-10%** of the dose in your lungs!

Correct inhaler use can help deliver 10x more medication in the lungs.

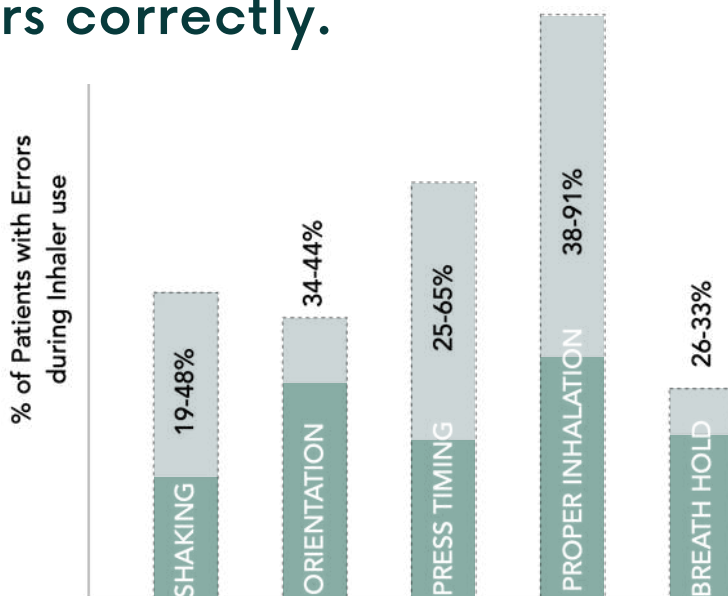Excessive medications in the throat can also lead to infections.

Inhaler use mistakes, 5-10% of dose in lungs

Correct Inhaler use ~50% of dose in lungs

Learn and practice proper inhaler use for maximum benefits of the medication.

Studies* show that >90% of patients are unable to use inhalers correctly.

Data collected from multiple patients in multiple studies across multiple countries shows widespread inhaler misuse.

Inhaler use errors can lead to medication wastage in the mouth-throat with little lung deposition.

*Data from Price et al. '17, Biswas et al. '16, Molimard et al. '03

% of Patients with Errors during Inhaler use

19-48% SHAKING
34-44% ORIENTATION
25-65% PRESS TIMING
38-91% PROPER INHALATION
26-33% BREATH HOLD

For Physicians: Telehealth and Remote Patient Monitoring

Provide care using objective patient data

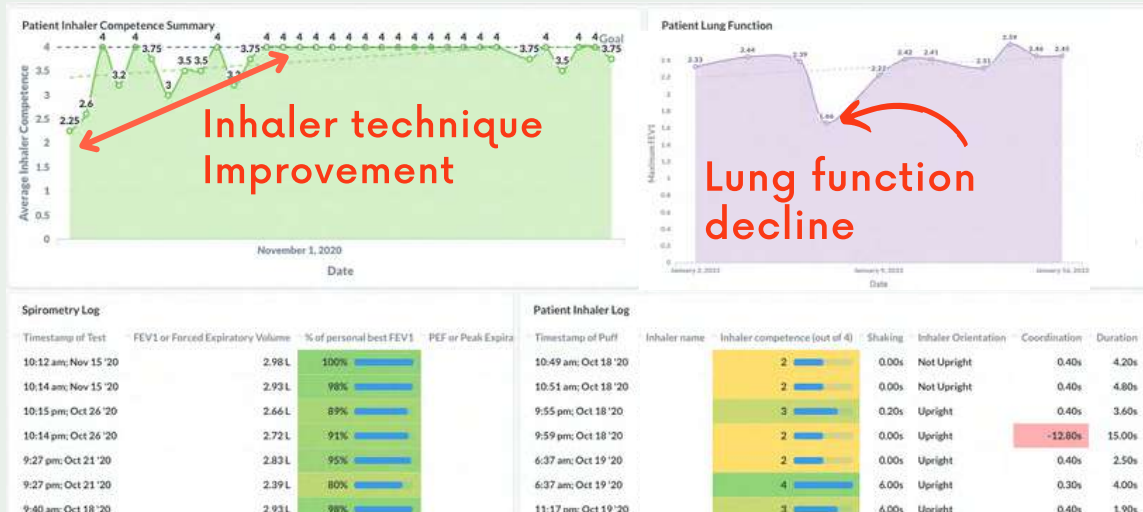Paints an accurate picture of disease control at home.

Track at-risk patients in your clinic

Dynamic, intuitive, and beautiful visualization of all the data

GINA guidelines recommend a 2-month visualization of FEV1, PEF to allow accurate identification of worsening asthma.

Summary charts to simplify the data than looking at numbers.

RPM provides powerful analytics

Remote patient monitoring and data-driven identification of patients needing consultation. Track patient progress and provide care based on objective data.

SIMPLE RPM SETUP

REMOTE ONBOARDING

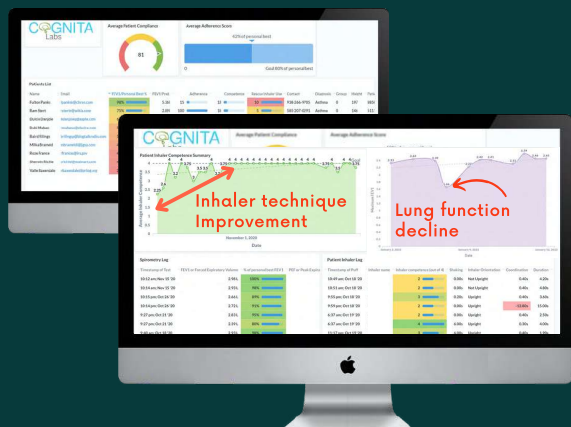We provide video-call based installation and onboarding including:

- Teaching correct, effortful PFT technique
- Training correct inhaler technique

DEVICE RENTAL

Patients perform PFTs, get daily feedback on inhaler use.

- **Automated** syncing with a WiFi/Cellular hub

REVIEW AND CARE COORDINATION

Cognita's care team performs:

- Weekly review of data and patient check-ins
- Care coordination with physicians for medical interventions

We also create monthly billing and patient reports for smooth running of the program.

RPM codes 99454, 99457, 99458 pay >$175/mo for home monitoring of patients with chronic diseases like asthma, COPD. Additional RTM and CCM codes apply.

Regular check-ins and timely care coordination by our friendly care team leads to **high patient satisfaction and retention!**

GETTING STARTED

RESPIRATORY DISEASE EVALUATION AND CARE MADE EASY WITH COGNITA DEVICES

Schedule a demo

Click on the link or scan the QR code to schedule a live demo session for the devices and have your questions answered.

https://calendly.com/cognitalabs/30min

CapMedic Smart Inhaler, Smart Spirometer

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