AioCare Spirometry
Better Diagnostics
Better Lives

A completely mobile and flexible approach

vyaire™
MEDICAL

Hardware

Lung diagnostics & environment monitoring

Software

Mobile app & secure cloud-based data platform

Time efficient spirometry and diagnosis for experts and general practitioners alike.

Holistic patient treatment with smart home monitoring.

Wireless and truly mobile.

AioCare
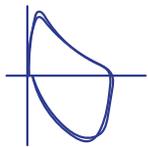# Spirometry Components

Full Spirometry

AioCare registers inspiratory & expiratory flow volume curves corrected by built-in real-time BTPS & displays key parameters, as well as SpO_2/HR.

Calibration free

Be ready for spirometry at any time.

Simple Solution

Seamless IT integration. Wireless connection & charging.

Data

Quality & reproducibility assured through AI algorithms.

Hygiene
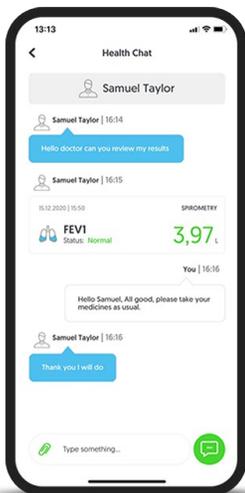
Protect patients, staff & device from cross-contamination

MicroGard™ II filters provide 99.999% viral & bacterial effiency against cross contamination (Nelson Test Report 1003754).[1]

AioCare
Fully connected
Smart home
monitoring

Doctor app

Result instantly
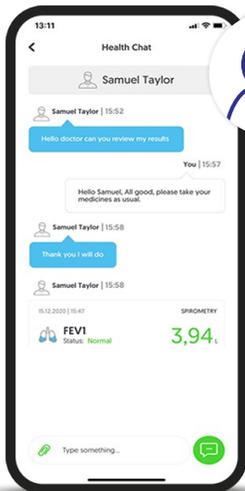available for review
and guidance

AIOCARE SERVER /
DOCTOR PANEL

AMAZON AWS
ISO 27001

Contact initiated
by patient.
Measurement
results sent

Answer sent
by doctor

Patient app

Ability to chat
with health care
professionals

Why AioCare?

Confirmed quality

A cutting edge, class IIa medical device (MDD), certified by the notified body TUV Nord. Validated by an observational study in a sample of 80 patients.

Accessibility

A small, portable device that can be taken anywhere. Safety tested by UL. Easy to use and inexpensive. Intuitive interface for creating patient records automatically saves test results, enables statistical analysis and management of the disease history.

4 easy steps to your first results

High accuracy of test results identical to those conducted with the medical equipment available at medical centres.

Warranty and support

2-year warranty and customer support line.

AioCare. Better lives.

AioCare means higher quality care for your patients. You give your patients a device to self-monitor and take care of their own health in a safe way, under your care.
Patients know their data is automatically shared with their doctor. It saves hours of telephone consultations, urgent visits and avoidable emergency interventions.

Stay connected with your patients regardless of their geographical location.

An electronic journal enables the patient to avoid filling out tables by hand. The results of your AioCare patients are instantly visible in your panel. Patients are guided through the correct test technique through clear instructions on the patient App to ensure spirometry measurements are performed in a technically acceptable fashion. AioCare supports the user with additional sensors and a virtual guide to perform spirometry measurements in a technically correct way.

AioCare Spirometry
A completely mobile and flexible approach

AioCare App
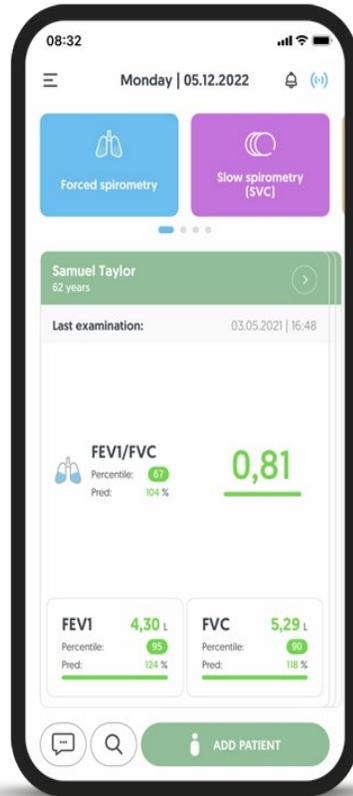
Creation of patients in the App for complete mobile testing

Pre and post bronchodilator workflow with prompt for administration of bronchodilator and selectable countdown timer for performing post test

Ability to perform SVC, FVC, PEF and SP02 measurements

Results instantly displayed along with F/V and V/T graphs and Z scores

Results can be securely exported in PDF format via email

Ability to add examination note by the healthcare professional overseeing the test

On the fly updates and new features - No Technician needed for any update.

Hassle free setup - Just runs in a browser and on a mobile platform.

Unlimited secure data storage and backup - Worry free and device independent operation.

Default secure and encrypted data transfer - always compliant.

Software Panel
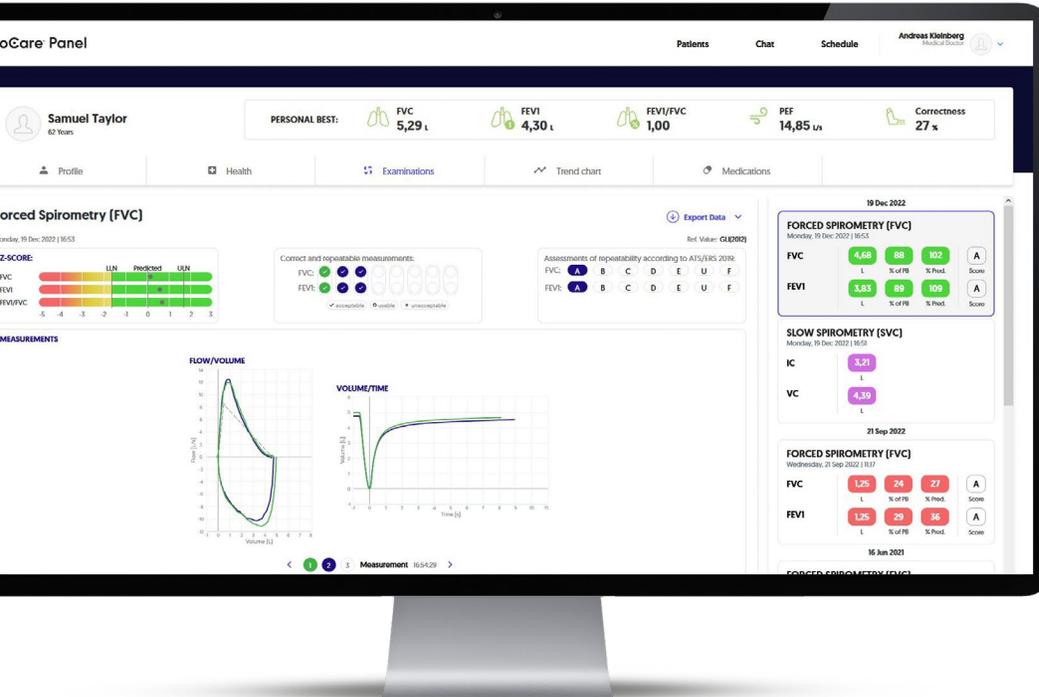
Instant access to all patient results on various platforms, irrespective of geographical location

Synchronization with App so results are instantly displayed

Ability to generate customised reports with Institute details on header. PDF report generation with reporting history and Export of results as XML, CSV or GDT

Clear concise quality grading for technically acceptable and reproducible maneuvers as per ATS/ERS 2019 Guidelines

AIOCARE BACKEND
AMAZON AWS ISO 27001

API (REST)
Integration with any data system or platform
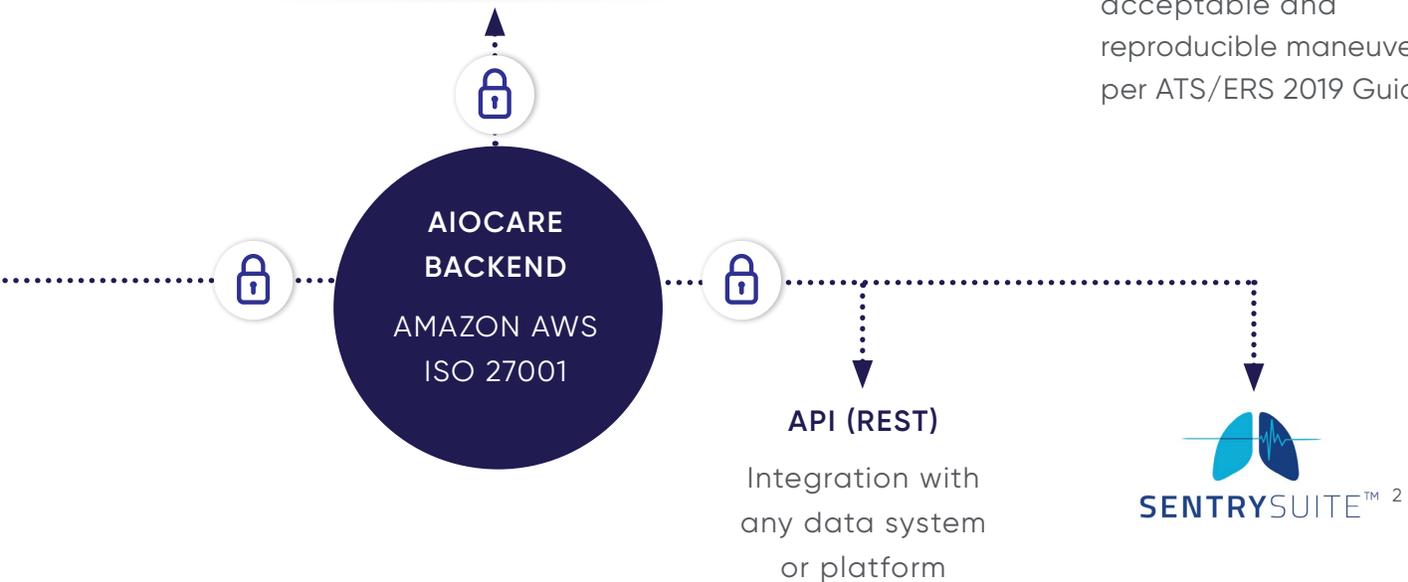
SENTRYSUITE™ 2

REFERENCES

1. Based on the Bio Burden DIN EN ISO 11737-1: Report 18AA0088

2. Requires SentrySuite™ 3.30 or higher

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