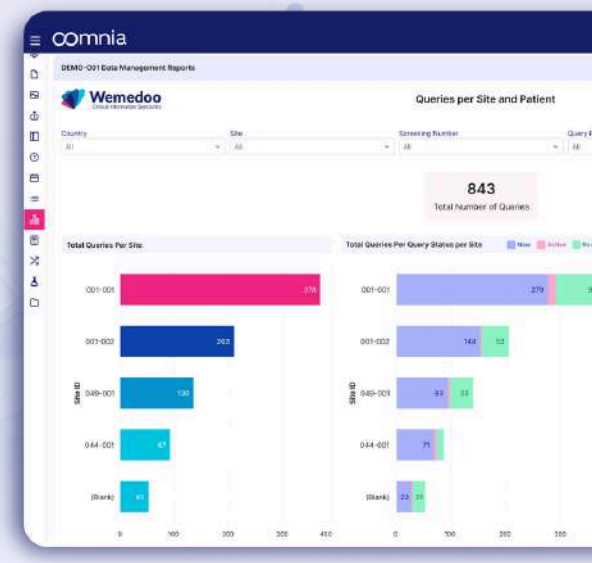
Unified clinical trial software for respiratory studies

One platform. Connected respiratory data.
Built for complex lung research.



oomnia brings respiratory clinical trials into a unified Clinical Research Information System (CRIS), enabling teams to manage variable symptoms, lung function data, imaging, and multisource endpoints within a single coordinated environment, delivering continuous visibility across the entire study lifecycle

The operational reality of respiratory clinical trials

Highly variable symptoms and exacerbation cycles

Respiratory diseases show fluctuating patterns, requiring continuous monitoring of symptoms, lung function, and patient-reported outcomes

Complex data from multiple respiratory sources

Trials rely on diverse data like spirometry, imaging, biomarkers, and device data, creating integration and interpretation challenges

Multi-endpoint and longitudinal study designs

Studies assess multiple endpoints over long periods, demanding precise alignment of visits, tests, imaging, and symptom tracking

High operational and site burden

Global trials involve varied site capabilities and strict requirements, making coordination across sites and vendors highly complex

Real-world and remote data collection

Increasing use of wearables and home monitoring generates continuous real-world data that must be accurately captured and integrated

The operational reality of respiratory clinical trials

Integrates spirometry, imaging, biomarkers, device data, and clinical workflows into one synchronized dataset

Enables real-time visibility into lung function trends, symptom progression, and exacerbation events

Supports rapid protocol updates when visit schedules or assessment windows change

Replaces disconnected tools with a unified environment across sites, labs, and vendors

One platform for respiratory trial execution

Respiratory workflows, unified from the start

oomnia replaces fragmented system landscapes with a single infrastructure where clinical, operational, and respiratory specific data streams remain continuously aligned and accessible across all stakeholders

EDC

Captures high volume respiratory data, including spirometry, FeNO, imaging inputs, symptom scores, device data, and safety events

CTMS

Provides full visibility into study progress, site performance, and operational readiness across global respiratory programs

RTSM

Supports adaptive randomization based on phenotype, disease severity, or biomarker profiles, with flexibility for evolving respiratory trial designs

eConsent

Enables flexible consent processes, including remote enrollment and re-consent when protocols change or new cohorts are introduced

eCOA / ePRO

Captures patient-reported symptoms, exacerbation events, and quality of life data to track disease progression in real time

eTMF

Maintains inspection ready documentation across complex respiratory studies, including protocol amendments and evolving assessment schedules

Patient engagement tools

Supports adherence and long-term follow-up with automated reminders and communications tailored to symptom variability and visit schedules

Analytics and reporting

Combines clinical data, lung function trends, imaging, biomarkers, and device inputs into real-time dashboards for decision making, safety monitoring, and interim analysis

EDC: Electronic Data Capture; CTMS: Clinical Trial Management System; RTSM: Randomization and Trial Supply Management; eConsent: Electronic Informed Consent; eCOA/ePRO: Electronic Clinical Outcome Assessment / Electronic Patient-Reported Outcome; eTMF: Electronic Trial Master File; FeNO: Fractional Exhaled Nitric Oxide.

How oomnia fits into the respiratory study ecosystem

oomnia connects sites, pulmonary function testing, imaging providers, and digital tools within one coordinated system, enabling streamlined management of data intensive and globally distributed respiratory trials

Built for regulatory and operational confidence

- 21 CFR Part 11–compliant records with complete audit trails and secure electronic signatures
- Risk based quality management aligned with ICH E6(R3) principles
- CDISC-aligned datasets supporting standardized reporting for lung function, imaging, and symptom driven studies
- Designed for global deployment and regulatory submissions to FDA, EMA, and international authorities

Built for regulatory and operational confidence

Reduced operational complexity

A single platform replaces multiple disconnected systems, simplifying coordination across sites, labs, and vendors

Higher data quality across lung function and imaging inputs

Real-time validation and standardized data capture reduce variability and ensure consistency across high volume respiratory datasets

Improved management of symptom variability

Centralized workflows and data enable continuous tracking of exacerbations, lung function changes, and long-term disease progression

Greater visibility across respiratory datasets

Unified dashboards combines spirometry, imaging, biomarkers, and patient reported outcomes for a complete view of study performance

ICH E6(R3): International Council for Harmonisation Guideline for Good Clinical Practice (Revision 3); CDISC: Clinical Data Interchange Standards Consortium; 21 CFR Part 11: Title 21 Code of Federal Regulations Part 11 (Electronic Records and Electronic Signatures); FDA: Food and Drug Administration; EMA: European Medicines Agency.

Explore how oomnia supports respiratory trials

Request a demo

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