

Agentic AI in Life Sciences:

Faster Trials, Smarter Outcomes

Flyer



In Life Sciences, Every Day Counts

For patients waiting on breakthrough therapies.

For companies racing against patent clocks.

For regulators demanding accuracy and speed.

Yet drug development is slowed by familiar challenges: trial delays, compliance hurdles, manual processes, and rising costs. The result? Patients wait longer, and billions are lost in patent value.

Hexaware's Agentic AI solutions directly tackle these problems. With role-specific AI agents, we help you automate routine work, accelerate critical decisions, and ensure regulatory-grade compliance — so your teams can focus on what matters most: delivering therapies faster, smarter, and at lower cost.

Where Agentic AI in Pharma Delivers Real Impact

Hexaware's Agentic AI solutions solve the toughest challenges across the molecule-to-market journey with measurable outcomes:

Clinical Development

- **The Problem:** Trial design and feasibility assessments take months, delaying study start.
- **The Solution:** Smart Protocol Builders, Feasibility Tools, and Automated eTMF Checks.
- **The Impact:** 30% faster trial timelines with higher-quality oversight.

Monitoring & Operations

- **The Problem:** CRAs spend excessive time preparing for site visits and reviews.
- **The Solution:** CRA Assistants with Automated Checklists and Risk-Based Monitoring.
- **The Impact:** ~80% fewer manual reviews, stronger oversight accuracy.

Medical Writing & Compliance

- **The Problem:** Drafting CSRs, ICFs, and Narratives takes weeks of manual effort.
- **The Solution:** Medical Writing as a Service (MWaaS)—powered AI Document Creation.
- **The Impact:** First drafts in 2 hours instead of 17 days → 90% effort reduction.

Regulatory Affairs

- **The Problem:** Preparing submission packages and answering queries slows approvals.
- **The Solution:** Regulatory Intelligence Assistant and Automated Submission Builders.
- **The Impact:** Queries answered 50% faster, filings completed in days, not weeks.

Manufacturing & Commercialization

- **The Problem:** Launches often misfire due to poor forecasting and limited engagement.
- **The Solution:** Predictive Maintenance, Demand Forecasts, KOL Profiling, and Precision Marketing.
- **The Impact:** Reduced downtime, higher launch success, and stronger patient engagement.

Hexaware's Agentic AI Framework

Our framework ensures AI delivers outcomes that matter across the molecule-to-market journey:



Persona-Based Agents

designed for real roles across clinical, regulatory, compliance, operations, and commercial.



Lifecycle Management

build, deploy, monitor, refine; no "one-off bots," only scalable AI.



Governance & Compliance

GxP validation, audit logs, HIPAA-ready safeguards, and transparent dashboards.



Scalable Agent Library

100+ pre-trained agents tailored for life sciences.

This isn't just automation. It's critical problem-solving for drug development, compliance, and commercialization.

Proof in Action



CRA Effectiveness at a Global Pharma

Automated site visit checklists cut manual review by ~80%, boosting oversight quality.



R&D Modernization for a Global Pharma

Automated medical writing reduced CSR/ICF first drafts from 17 days to 2 hours — a 90% effort reduction.

The Outcomes That Matter

- 30% faster clinical trials
- 25–30% lower operational costs
- 50% faster regulatory query responses
- 40% boost in R&D productivity

Why Hexaware?

- AI-first, domain-deep innovation
- Proven success with global pharma and biotech
- Strong partnerships with hyperscalers

Ready to accelerate your molecule-to-market journey?

Partner with Hexaware's Agentic AI solutions — contact us at marketing@hexaware.com.

About Hexaware

Hexaware is a global technology and business process services company. Every day, Hexawarians wake up with a singular purpose: to create smiles through great people and technology. With this purpose gaining momentum, we are well on our way to realizing our vision of being the most loved digital transformation partner in the world. We also seek to protect the planet and build a better tomorrow for our customers, employees, partners, investors, and the communities in which we operate. With offices across the world, we empower enterprises to realize digital transformation at scale and speed by partnering with them to build, transform, run, and optimize their technology and business processes.