



## Summary

### CUSTOMER

Dendrite Clinical Systems

### CHALLENGE

Give clinicians and researchers a secure, future proof way to capture and analyse rapidly expanding clinical data, without adding IT overheads for hospitals already stretched for time and budget.

### OUTCOME

Dendrite's web-based registry platform, powered by InterSystems technology, enables rapid scaling from pilot studies to multinational datasets. With automated data feeds, seamless integrations, and embedded analytics, it delivers cleaner, high-quality datasets while adapting quickly to clinical needs without re-engineering.

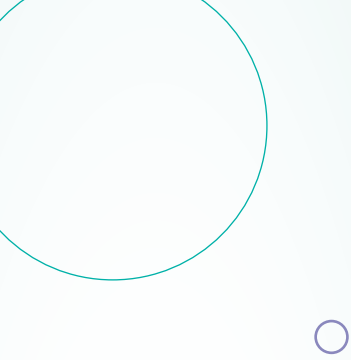
## Dendrite: partnering with InterSystems to power global real time clinical registries

Dendrite Clinical Systems is a UK-based company that designs, builds, and hosts clinical databases and registries - covering more than 40 medical specialties in 35 countries. InterSystems has been Dendrite's sole data platform partner since 1993, evolving its technology alongside Dendrite's to support the business on its growth journey.

Each registry captures the entire patient journey – from symptom diaries recorded on a smartphone to laboratory values, surgical details, and long term outcomes – before letting clinicians retrieve insight instantly.

Built on InterSystems technology, Dendrite's web based registry platform now supports projects that range from single centre pilots to multinational datasets containing hundreds of thousands of patient records. InterSystems IRIS for Health® supplies rapid searches, seamless third party integrations, and embedded analytics, allowing Dendrite to extend the system with its own specialist tools and quickly adapt it to new clinical demands.

Because growth of the database and the projects it supports no longer requires re engineering, registries can scale at speed. Automated feeds from hospital systems, national databases, and patient apps eliminate duplicate entries, improve data quality, and give researchers cleaner datasets.



**“IF SOMETHING UNEXPECTED CROPS UP, INTERSYSTEMS ANSWERS THE SAME DAY, OFTEN WITH A SMARTER IDEA THAN ANY WE COULD PRODUCE OURSELVES, SO WE CAN STAY FOCUSED ON INNOVATION RATHER THAN FIREFIGHTING.”**

*Keith Price,  
R&D Director,  
Dendrite Clinical Systems*

## Phase 1: Laying the groundwork and choosing the right technology

From the outset, Dendrite has been free to concentrate on clinical logic and user experience, confident that InterSystems would provide scale, security and reliability.

InterSystems IRIS for Health’s “no limits” capacity is one of the solution’s most important benefits. Whether a registry holds 100,000 patient records or a million, performance remains steady. Standards based connectivity, explicitly including HL7 and FHIR, means most new links are set up rather than coded from scratch, which helps Dendrite bring fresh ideas to life quickly.

On the build side, developers can work in ObjectScript, Python, JavaScript and HTML, and Dendrite continues to create its own dashboards and synthetic-patient generators that plug directly into the InterSystems platform. Same-day answers keep projects moving and turn ideas into live features without delay.

Keith Price, R&D Director, Dendrite Clinical Systems, said:

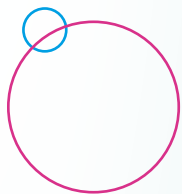
*“InterSystems has been our backbone since day one. The platform scales smoothly from a few hundred cases to hundreds of thousands, yet still lets us plug in our own analytics, dashboards and mobile apps whenever customers ask. If something unexpected crops up, InterSystems answers the same day, often with a smarter idea than any we could produce ourselves, so we can stay focused on innovation rather than firefighting.”*

## Phase 2: Extending the partnership

Both organisations in this successful collaboration are exploring synthetic patient generation for ultra rare diseases, confident that InterSystems IRIS for Health can run high volume transactional data and advanced analytics side by side.

Peter Walton, Managing Director, Dendrite Clinical Solutions, said:

*“InterSystems treats us like a strategic partner. We can ‘spin up’ a registry with a few hundred cases today and watch it grow into hundreds of thousands tomorrow. IRIS simply absorbs the extra volume and keeps running. Whenever we have a question, their response is immediate and constructive, which is why we’ve trusted them from the very start.”*



## Phase 3: Delivering real world results

Thanks in part to InterSystems technology, Dendrite is able to deliver real-world results that have an impact. In Luton for example, a bariatric pathway sends SMS links so patients can complete pre assessment questionnaires on their phones. Once completed, the responses flow straight into the registry which has consequently reduced the number of “did not attends” from about 25% to zero.

Across Europe, Dendrite has enabled 180,000 liver transplant records from 37 countries to be merged into a single dataset that can be analysed immediately, helping surgeons benchmark outcomes and allocate organs more effectively. In Birmingham, the UK Acute Myeloid Leukaemia Registry flags eligible patients for clinical trials of high cost therapies such as CAR T (about £330,000 per patient), accelerating recruitment, and broadening access to cutting-edge care.

### Lasting impact

Together, Dendrite and InterSystems deliver:

- Rapid launch of new datasets – in days not months
- Virtually limitless growth without performance loss
- Seamless integration that removes duplicate data entry
- Analytics that turn raw records into actionable insight when clinicians need it

With Dendrite, hospitals can save time, researchers can accelerate discovery and, most importantly, patients have the option to choose the care best suited to their needs. That enduring value rests on shared goals, proven technology, mutual trust, and a partnership that continues to evolve every day.

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STRATEGIC PARTNER.”**

*Peter Walton,  
Managing Director,  
Dendrite Clinical Solutions*

