SUVODA

Developing a Standardized IRT System: **BAYSYS IRT**

As one of the global leaders in life sciences, Bayer routinely runs large and complex clinical trials to bring the best medicines to patients in need. As trial complexity grew, Bayer needed to evolve its IRT processes and systems to adapt to increasingly complex clinical trials.

Challenge:
Eliminating Setup Redundancies

In 2014, Bayer established a set of standards for how IRT systems were to be configured for all studies. However, as trial complexity and functionality increased over the years, Bayer found that the clinical trial technology practice of configuring and validating a new IRT system for each study was becoming time-consuming and inefficient. Each trial used the same IRT standards, which meant that the same IRT configuration was being developed for each study. While this ensured the consistency Bayer wanted, repeating the same processes each time was inefficient.

Solution:
Standardized IRT Baseline Drives Efficiency Gains

In its partnership with Suvoda, Bayer set out to develop a system that reduced duplicative efforts by creating an IRT baseline that Bayer could use for all studies. The result was "BAYSYS IRT"—a standardized, validated IRT baseline for transactions common across all Bayer clinical trials.

Some functionalities Suvoda built into BAYSYS IRT include:

- ✓ **Patient randomization**
- ✓ **Temperature excursion management**
- ✓ **Supply transfer**
- ✓ **Inventory release**
- ✓ **Drug accountability**

Results:
Driving Efficiency in IRT Setup and Deployment

1 Consistency, Quality, and Compliance Across Studies

Bayer can rest easy knowing every trial complies with their IRT standards. Continuous improvement processes ensure BAYSYS IRT is operating at peak performance.

2 More Flexibility

BAYSYS IRT only includes modules common across all studies, which leaves sufficient space to focus on building customizations necessary for each protocol. The ability to reuse certain features creates a more agile and efficient development lifecycle for all phases.

3 Improved Efficiency

With standardized, pre-validated baseline IRT functions in place, both system build and UAT are expected to move faster, which could reduce overall IRT setup time.

What Comes Next:
Standardizing IRT to Remove Risks

Bayer rolled out BAYSYS IRT at the end of 2021, and they've used it for several studies to date. They anticipate BAYSYS IRT will not only ease the burden on study teams but also help the company continue to develop the highest-quality therapies for patients worldwide.

Now in its second year, the BAYSYS IRT project continues. Both Suvoda and Bayer are working on oversight and agreements for future platform updates and maintenance, as well as new features that can be added in the future for continuous improvement.

✉ Contact us at info@suvoda.com to **book a demo**

> " At Bayer, we're passionate about what we do and how we can improve. BAYSYS IRT is a big achievement that we will continue to build on and improve upon in the years to come."

Julia Redgate,
IRT System and Supplier Manager