

Next-Gen Innovation at UCB: Unlocking Potential through Operating Models, Technology, and Talent

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Inspired by **patients.**
Driven by **science.**



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The opinions expresses in this presentation and on the following slides are solely those of the presenters and not necessarily those of UCB.





Agenda

1. The Evolving Role of Programmers and Data Scientists
2. Key Challenges
3. Unlocking the Journey
4. Operating Models
5. Technology
6. Talent Development
7. Conclusion

The Evolving Role of Programmers and Data Scientists.

Complexity of Clinical Trials

- Driven by new regulatory guidance
- Processes enabling simultaneous regulatory approval and reimbursement submissions

Necessity for Greater Efficiency

- Delivering new drugs to patients faster
- Reduce complexities



Source: DALL E

Prompted text: The evolving role of Programmers and Data Scientists

Key challenges



Lacking Strategic holistic vision

Limited internal knowledge of UCB data



Need for in-house knowledge redevelopment

Support dynamic data usage

Unlocking the Journey

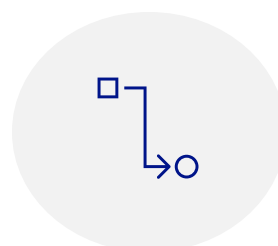
Launched a new biometric initiative under the motto “Our Systems, Our Processes.”



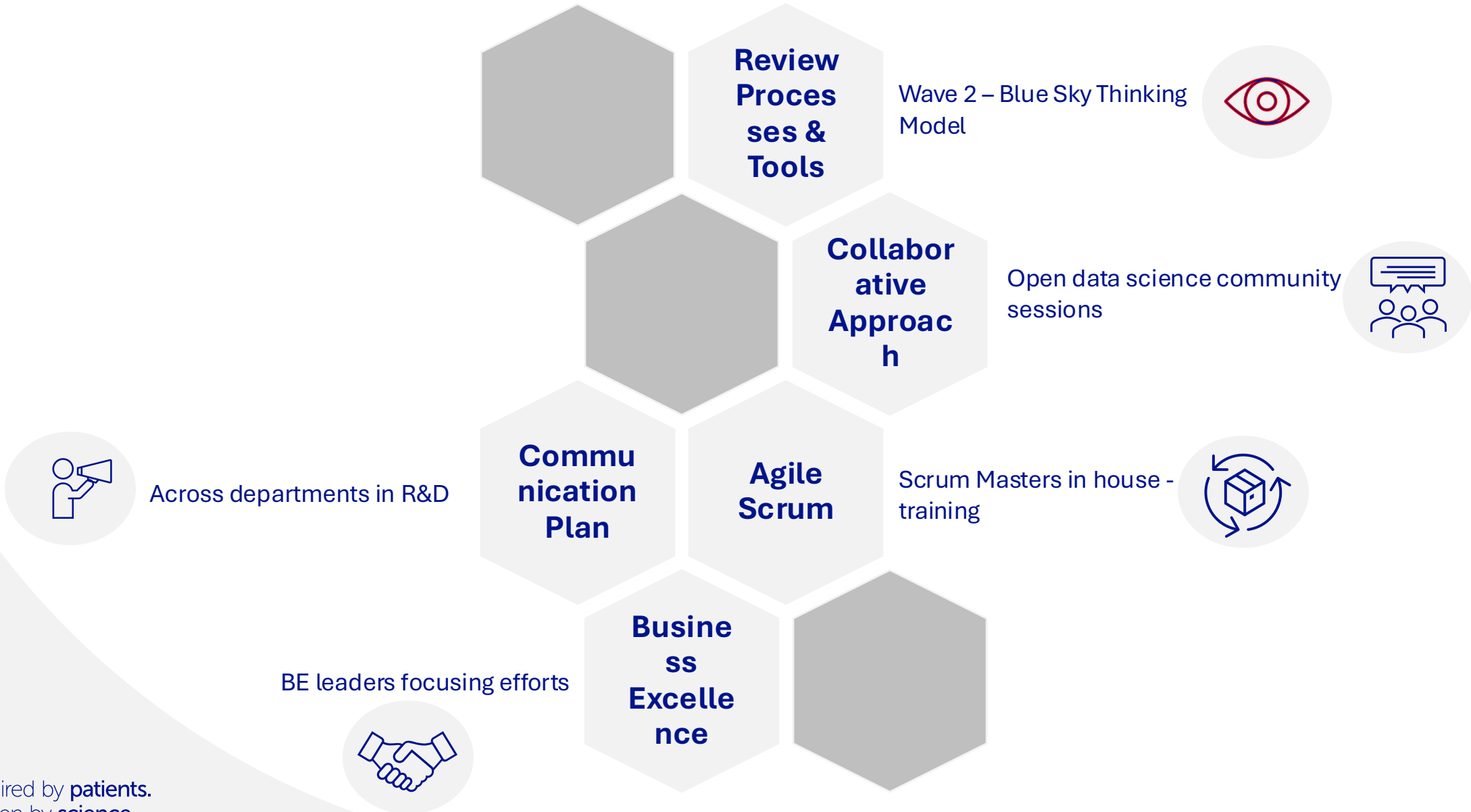
Extensive review of SOPs, processes, and available tools



Pilot studies selected for new model (Wave 1 – Lift&Shift)



Operating Models



Technology

In-house Data Science Activities

More programmers conducting data science activities internally
Revealed limitations and opportunities for improvement in existing tools

Mid-term Optimization

Addressing current tool limitations
Adding enhancements to existing tools

Long-term Vision

Establishing a future-ready computing environment (SCE)

Investing opportunities

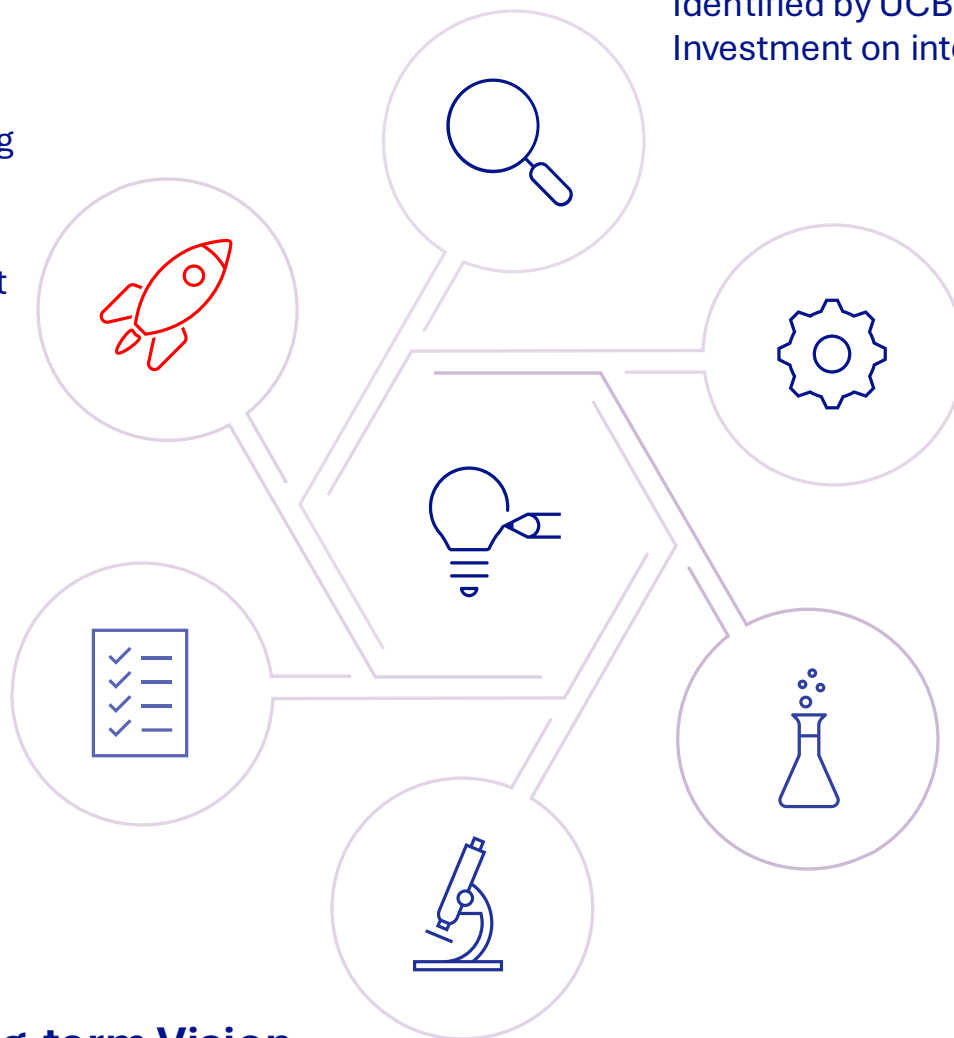
Identified by UCB
Investment on internal tools

Adoption of Open-Source Technologies

UCB embraced open-source technologies
Facilitated collaboration with the broader pharmaceutical community

Acceleration of Modernization Efforts

Modernization efforts were sped up
Significant engagement from the biometric community



Talent Development



Conclusions

Organizations can innovate and modernize in multiple ways.

An operating model provides a conceptual framework outlining how value is delivered to stakeholders and serve as a starting point for broader changes.

Leadership with a long-term vision is essential.

To succeed, organizations must holistically integrate both technology and talent development.

Focusing on early-career talent while simultaneously supporting the growth of experienced professionals fosters a balanced approach to modernization.



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