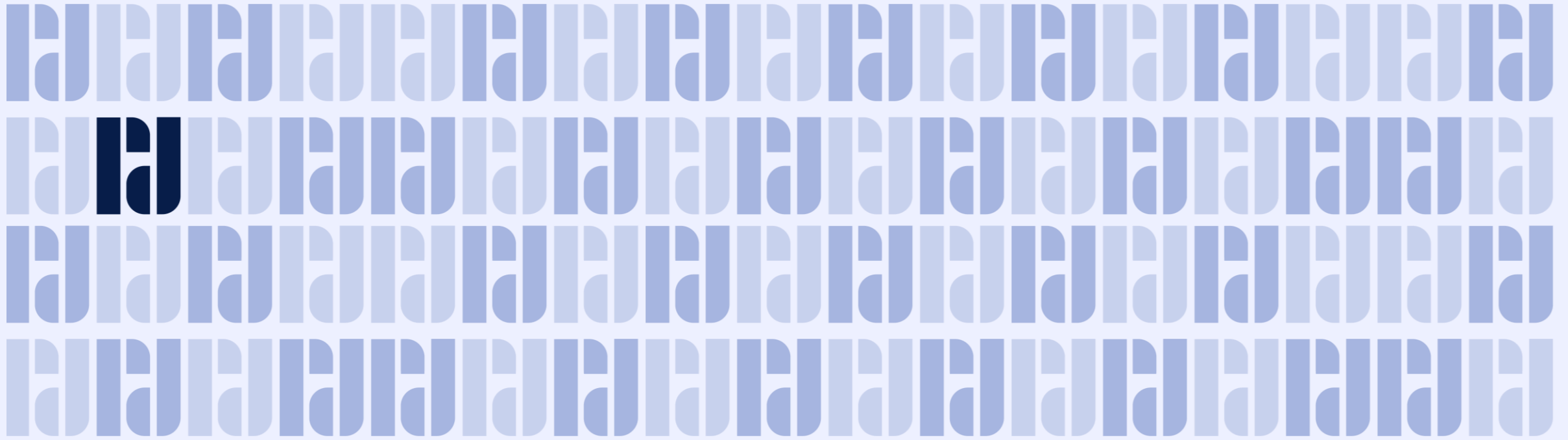




Pre-Conf as a Data Review Layer: An AbbVie Case Study for Optimized Clinical Data Flow



Gian Prakash
Head, Clinical Data
Engineering



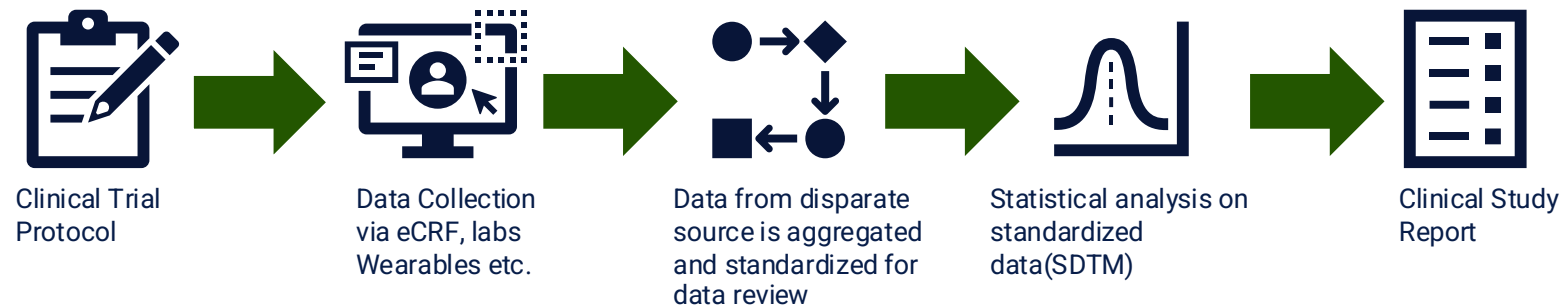
Aman Thukral
Head, Clinical Systems &
Digital Operations

Agenda

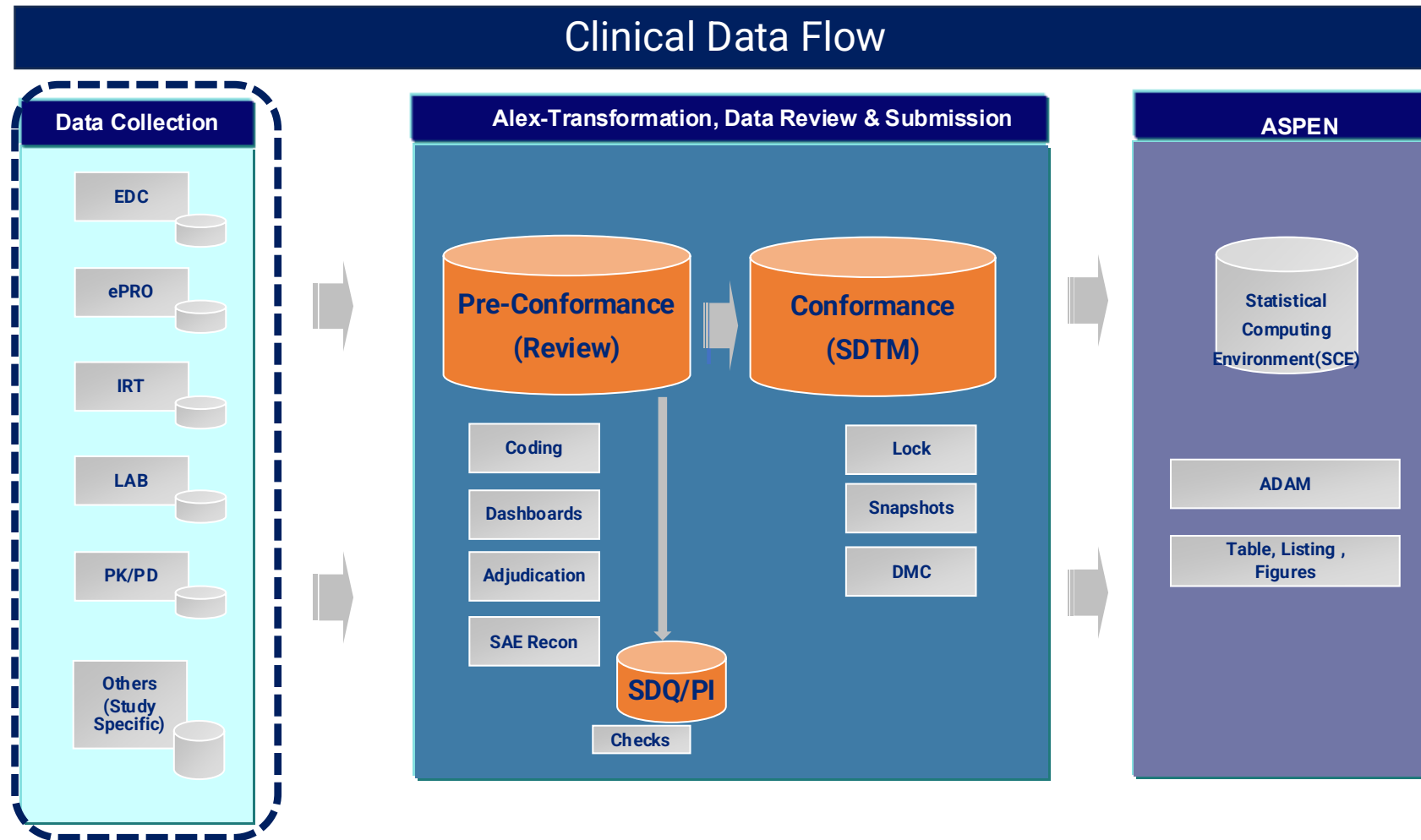
- Clinical Data Flow-General
- Clinical Data Flow-Abbvie
- Pre-Conf Layer
- Downstream Activities
- Conclusion

Clinical Data Flow-General

The clinical data is collected in various formats through multiple channels such as eCRF databases, files, mobile apps, and devices. To enable seamless statistical analysis and maintain tractability, data from these disparate sources must be standardized to a common standard

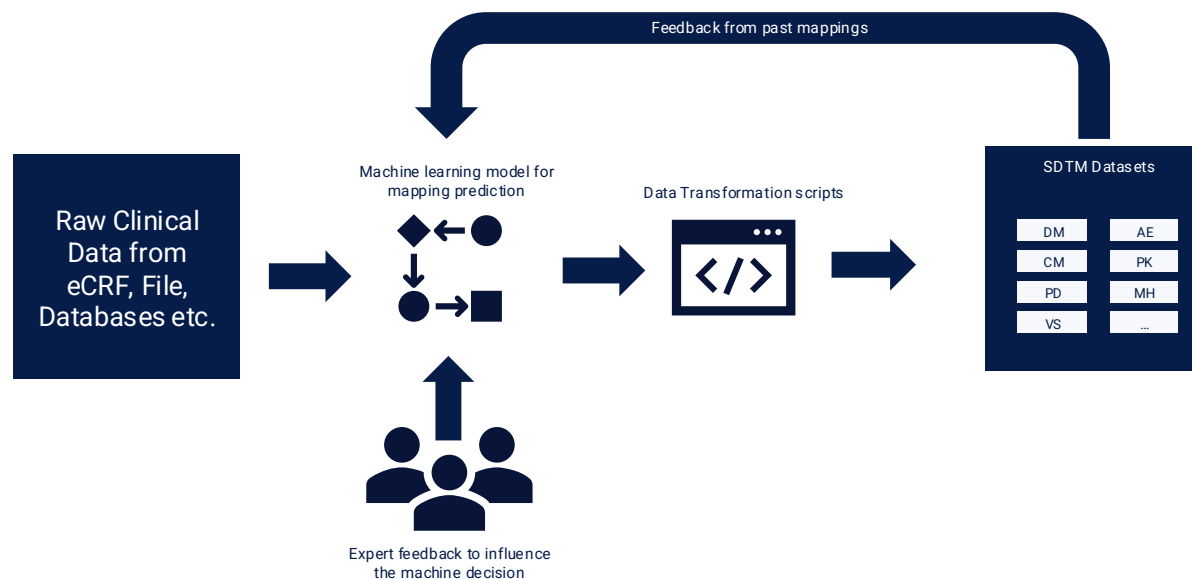


Clinical Data Flow-Abbvie

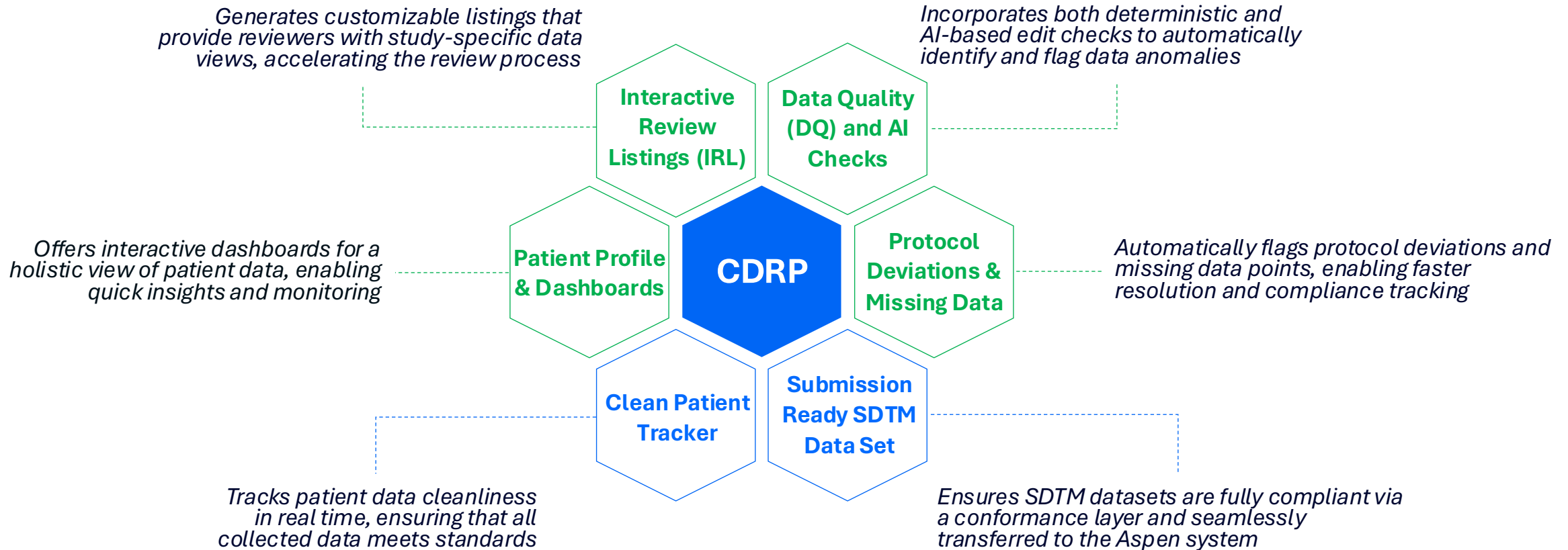


How Pre-Conf Layer is generated?

AbbVie leverages advanced machine learning and AI for Pre-Conference generation. We are live within 2 weeks of EDC Go-Live. The approach applies a machine learning model in collaboration with the human response to curate the raw clinical data into CDISC SDTM standards. The technique accelerates the source-to-target mapping process by learning which source attributes are likely candidates to be mapped to which target attributes by leveraging.



Pre-Conf provides data to...



Capabilities-CDRP Driven

Conclusion

- **Streamlined Data Flow**
- **Defining the Event Horizon:** Our plan establishes clear thresholds for where automated processing ends and high-stakes human intervention begins.
- **Iterative Machine Learning:** Every human correction acts as a feedback loop, effectively "programming" the AI to better navigate complex data patterns in future cycles.
- **Mitigating Information Sprawl:** By applying this hybrid model, we transform a chaotic loop of unorganized data into a structured, searchable, and actionable asset.
- **Future-Proofed Scalability:** This experiment isn't just a one-time fix; it's a scalable blueprint for managing the exponential growth of data without losing the human touch.

Thank You