INTRODUCTION

Medical coding is the process of standardizing recorded trial data in order to facilitate analysis and submission of treatment results to regulatory authorities.

- Health authority requirement
- Identify Safety Signals
- Standardization and Quality Control of Data
- Speed-up Clinical Trial

AIM

- Accelerate Trial efficiency and speed
- Increased productivity and accuracy
- Adaptability to industry dynamics
- Improvised functionalities
- Training the coding tool
- Customized algorithms
- Integration of multiple databases
- Integration of SDG/SMQ
- Cross study data analytics
- Future data/ query predictions
- Oversight through dashboards

METHODS

- Machine learning
- Data integration with real-time update
- High auto-code hit rate and accurate suggestions
- Descriptive trends of codes and queries
- Advanced custom reporting tools
- ML based Query prediction and management
- Advanced visual dashboards

RESULTS

- Coding tool vs AI Hit rate
- Coding tool: 45 coded, 5 failed
- AI: 95 coded, 5 failed

CONCLUSION

- Coding group mostly works behind the scenes but is marching together with Data management towards automation.
- Automation in Coding is a game-changer step towards accelerated and accurate clinical trials.

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