ARTIFICIAL INTELLIGENCE IN PHARMACOVIGILANCE: TRANSFORMING LITERATURE SEARCHES WITH ADVANCED TECHNOLOGIES

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INTRODUCTION

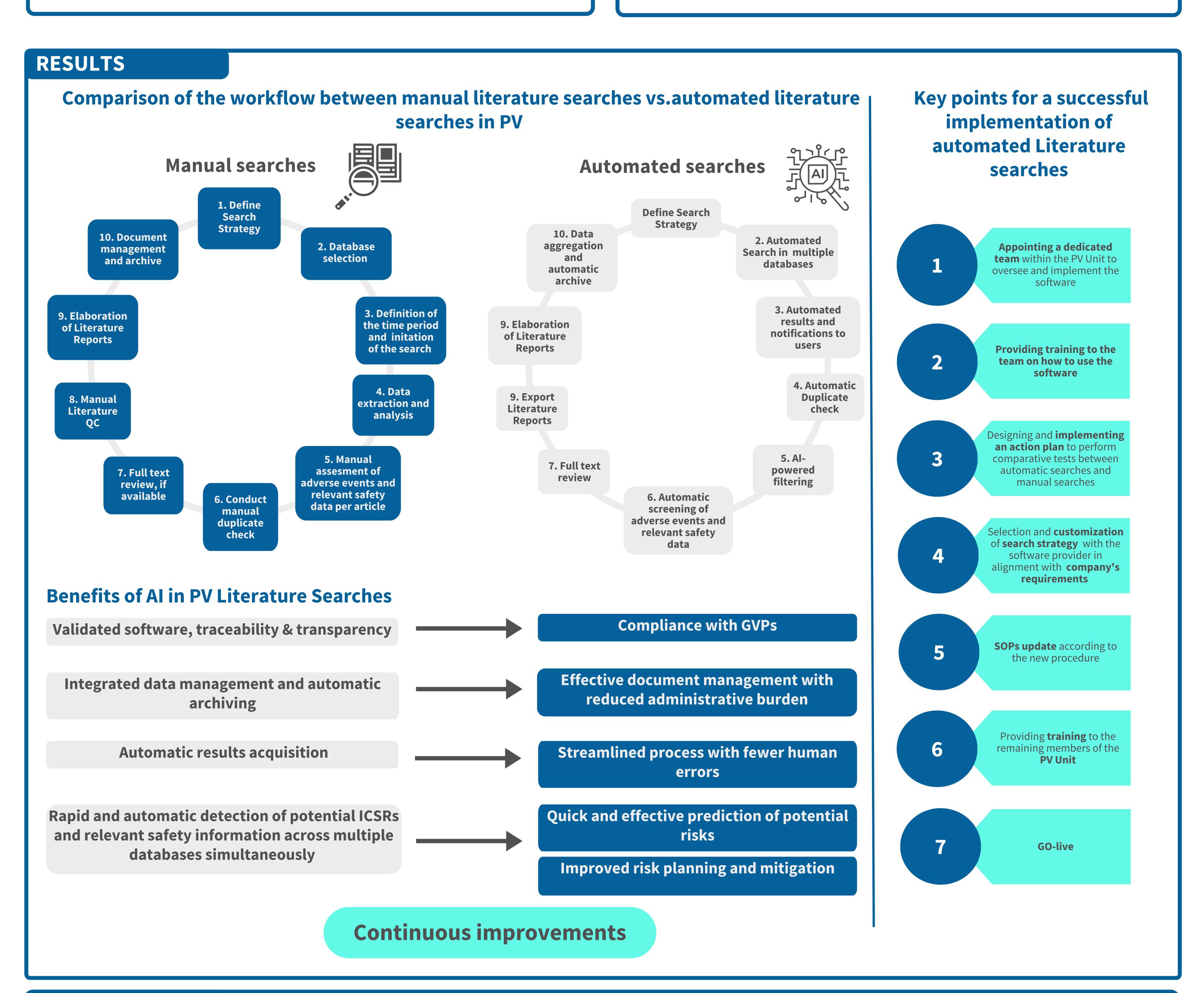
Literature screening is an **essential process** in the field of **Pharmacovigilance (PV),** as it facilitates the identification of relevant information regarding the safety and efficacy of medicinal products.

Artificial intelligence (AI) integrates advanced technology and machine learning techniques in PV literature searches, thereby accelerating the data collection process and allowing the analysis and interpretation of large volumes of information with unprecedented accuracy.

OBJECTIVES

The **main objective** of the conducted evaluation is to determine the **usefulness and effectiveness of automating PV literature searches** through the use of **AI software.** This involves analyzing its characteristics and functionalities in light of the specific requirements and needs of a PV Department.

As a **secondary objective**, the evaluation aims to identify the **key points** that lead to **successful implementation** of said software.



CONCLUSION

The use of software for conducting literature searches in PV can be considered a highly useful and beneficial tool for Pharmacovigilance Departments, improving the efficiency, speed, quality of work and profitability of the activity.

The incorporation of advanced AI tools presents a significant opportunity to enhance this crucial procedure in PV, which typically consumes substantial time and resources.

However, it is essential to guarantee the validity and transparency of AI algorithms and maintain an adequate balance between automation and expert supervision in the area of PV.

