

Project Title

Are You Timely Privileged?

Project Members

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Organisation(s) Involved

Singapore General Hospital

Aims

Utilization of coding to improve the work process of generating the Annual Privileging (specialists accorded clinical privileges in Singapore General Hospital) Reports. This is achieved via the objective of an automate process, ameliorate time, and accurate renewal.

Background

See poster appended / below

Methods

See poster appended / below

Results

See poster appended / below

Conclusion

See poster appended / below

Additional Information

Singapore Healthcare Management (SHM) Conference 2021 – Merit Award
(Operations Category)

Project Category

Automation, IT &Robotics

Keywords

Automation, IT &Robotics, Data Analytics, Workflow Redesign, Turnaround Time,
Singapore General Hospital, Coding, Annual Privileging Report, R-script

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Are you timely privileged?

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INTRODUCTION

The manual generation of Annual Privileging (specialists accorded clinical privileges in Singapore General Hospital) Reports required substantial time and man-hours. Utilization of coding to improve the work process.

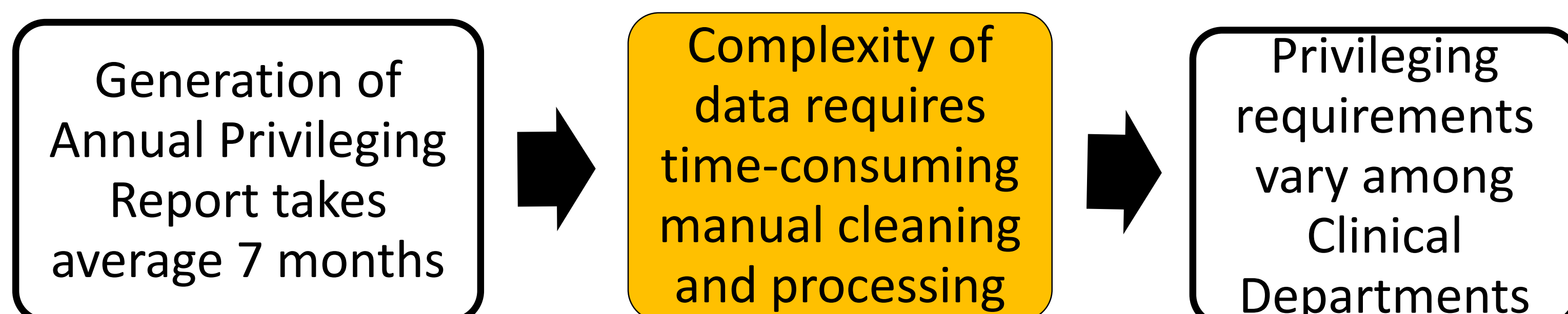
OBJECTIVES

AUTOMATE PROCESS. AMELIORATE TIME. ACCURATE RENEWAL.

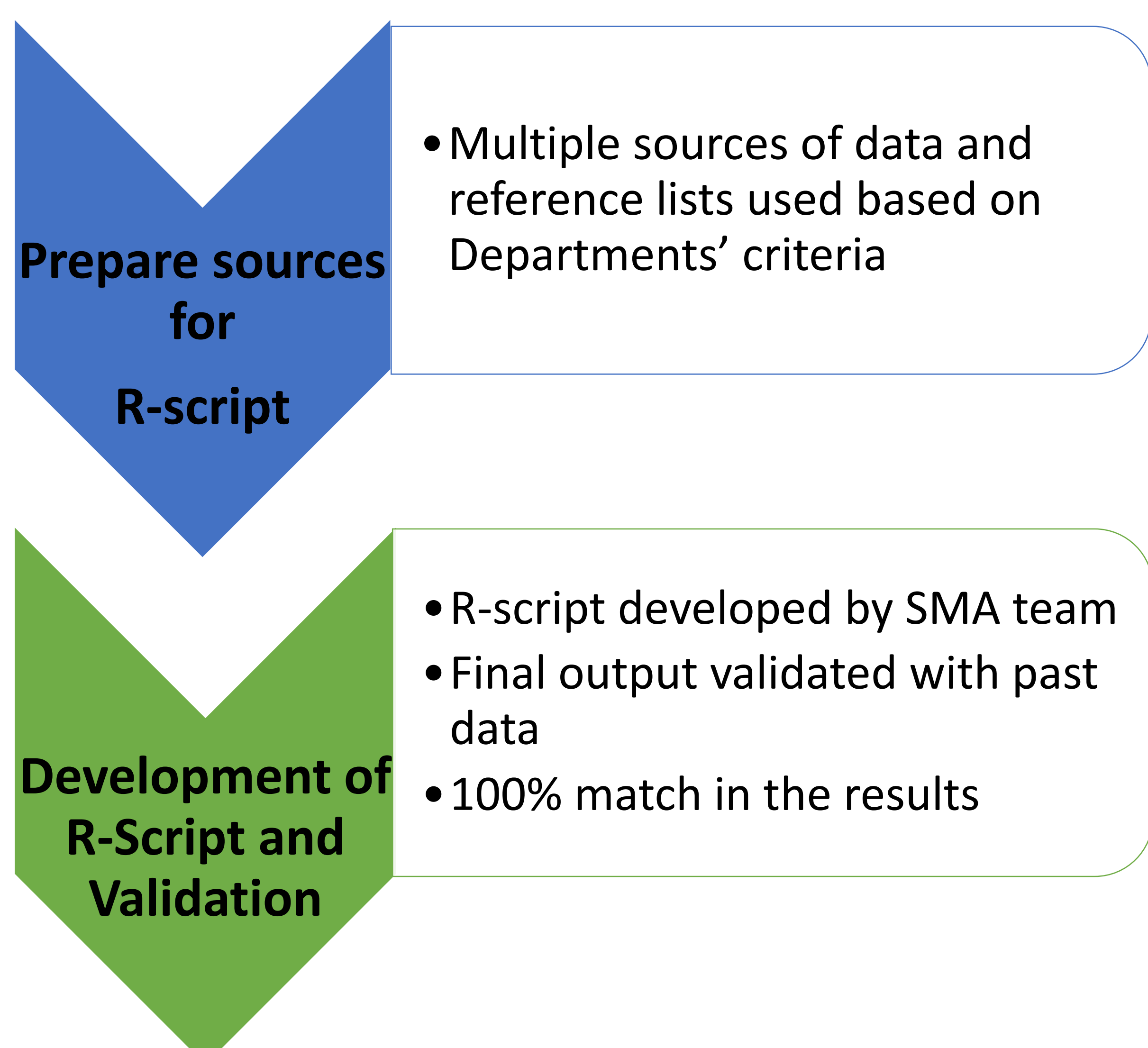
- ✓ Align IT capabilities by utilizing coding
- ✓ Streamline work process
- ✓ Improve report turnaround time
- ✓ Timely renewal of clinical privileges

METHODOLOGY

Members from Patient Safety & Clinical Standards and Strategy Management & Analytics (SMA) reviewed the current data tabulation process.



Team utilised R-script to process data and generate the Annual Privileging Reports



Before development of R-script

Manual data cleaning, processing using formulas, pivot tables

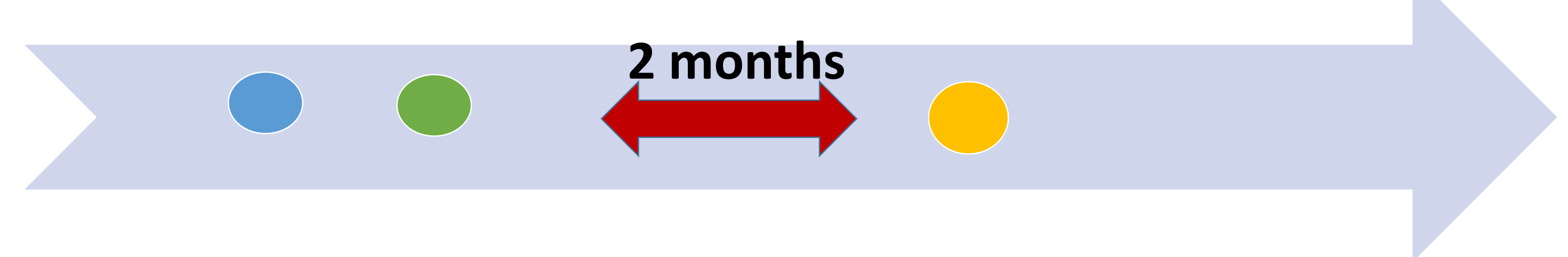
Manual input of data onto reports



After development of R-script

Input data to R-script and run the codes

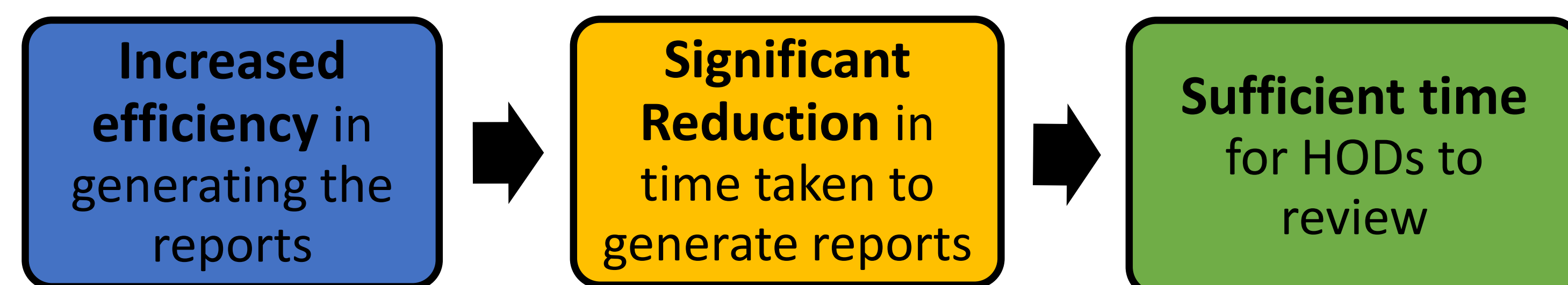
Transfer output onto report templates



RESULTS



Man-hours saved = 400



CONCLUSION

Harnessing information technology, team has:

1. enhanced productivity and efficiency
2. streamlined the data processing and analysis
3. improved turnaround time in report generation
4. timely renewed clinical privileges

Future utilization of coding to generate other reports to facilitate privileging works.