

Improved Data Quality and Availability: Use of “Insight”, Right to Care Zambia Data management system in USAID Action HIV sites

P3-K5

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The Insight data management system provided opportunities for further improvements in data management. The increase in automated reports led to significant improvements in data quality and eliminated cost resulting to centralized manual reporting activities (workshops).

BACKGROUND

During the first year of USAID Action HIV project implementation, Right to Care Zambia (RTCZ) recognized the need for a robust data management system to support program monitoring and evaluation activities. The existing system had limitations, including manual preparation of over 19 Excel reports, and lacked a centralized data storage. This resulted in report delays, data quality issues, resource consumption, and data security risks.

METHODS

The “Insight” data management system was developed to automate reports generation, improve data accuracy and consistency, enhance data security and confidentiality, and streamline the data management process. The system aimed at reducing time and effort in reporting while ensuring timely and reliable data for program activities. Upon roll out of the system the project was able to automate data import into the Datim platform, streamlining the reporting process and reducing the reliance on manual Excel reports. Insight provided a central repository for data, ensuring improved security and confidentiality.

RESULTS

The implementation of the "Insight system" resulted in 84% increase in automated reports, leading to significant improvements in report quality. The number of days required generate, clean, review and submit all the required reports reduced from 18 days to 5 days (72% reduction). The automation of reports reduced manual workload, improved data accuracy, and allowed staff to focus on data analysis and generating insights. The Insight system facilitated collaboration, accessibility, data access for staff across various facilities. The system's automation of report extraction and electronic data import eliminated the need for central meetings and manual data entry, resulting in cost savings for travel and accommodation.

RESULTS CONTINUED

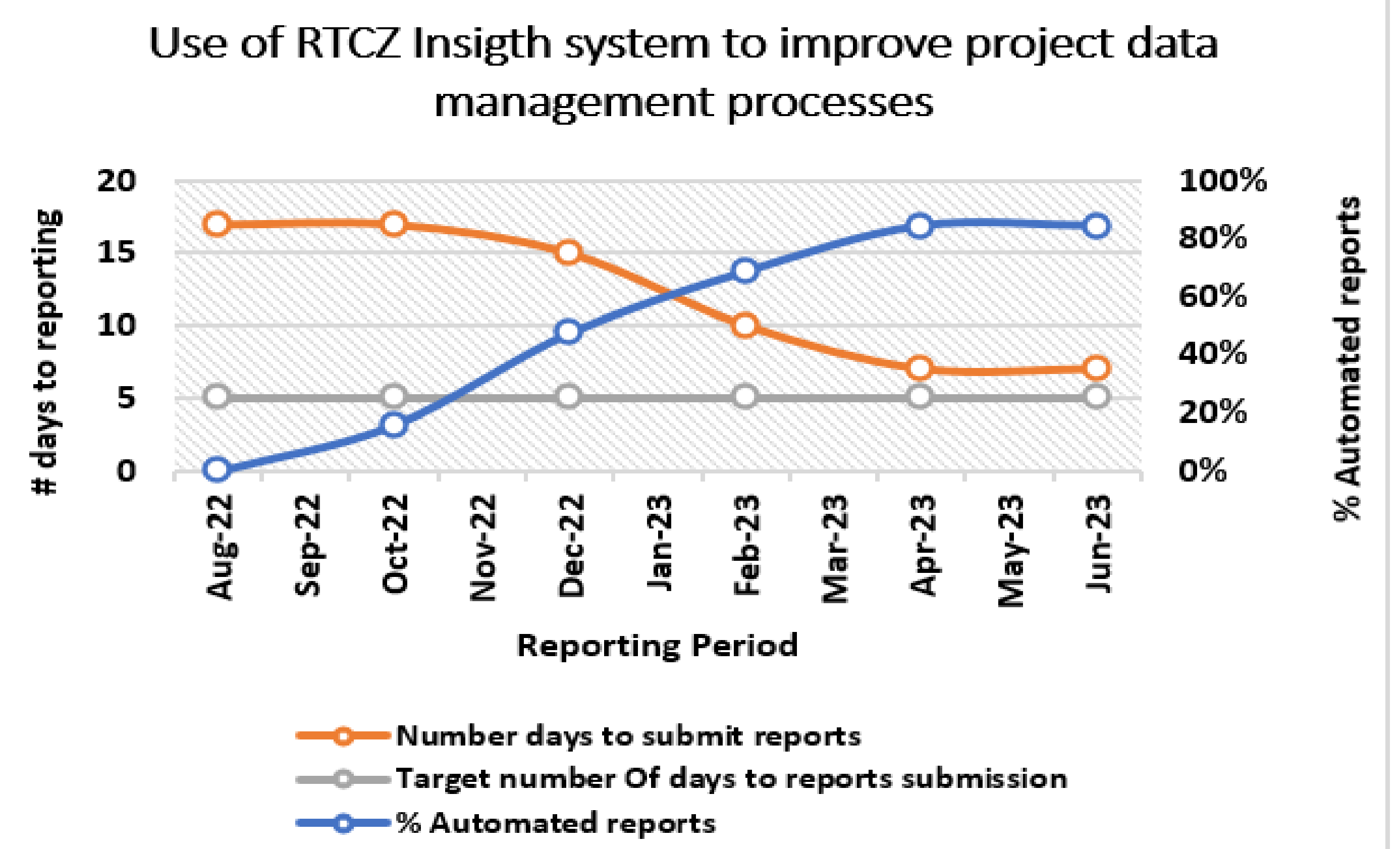


Figure 1 showing reduction in TAT on reports submission

CONCLUSIONS

The Insight data management system provided opportunities for further improvements in data management. The successful implementation of the Insight data management system has opened up opportunities for further improvements in data management. The next steps involve introducing performance visualizations for stakeholders to easily interpret data and enabling direct data editing on Insight tables for real-time updates. Continuous monitoring and evaluation, with regular updates and enhancements, will ensure the system meets evolving reporting requirements. The Insight system has significantly improved data management, automating processes, enhancing security, reducing errors, improving efficiency, and saving costs.

ADDITIONAL KEY INFORMATION

Barriers and Adaptation:

Implementing the Insight data management system did present some challenges, such as:

- Change management: Provide training and support to ensure smooth transition and user adoption.
- Data quality assurance: Continuous monitoring and quality assurance measures needed to ensure data accuracy.
- System integration: Improved data management practices by automating reporting processes and creating a central repository.

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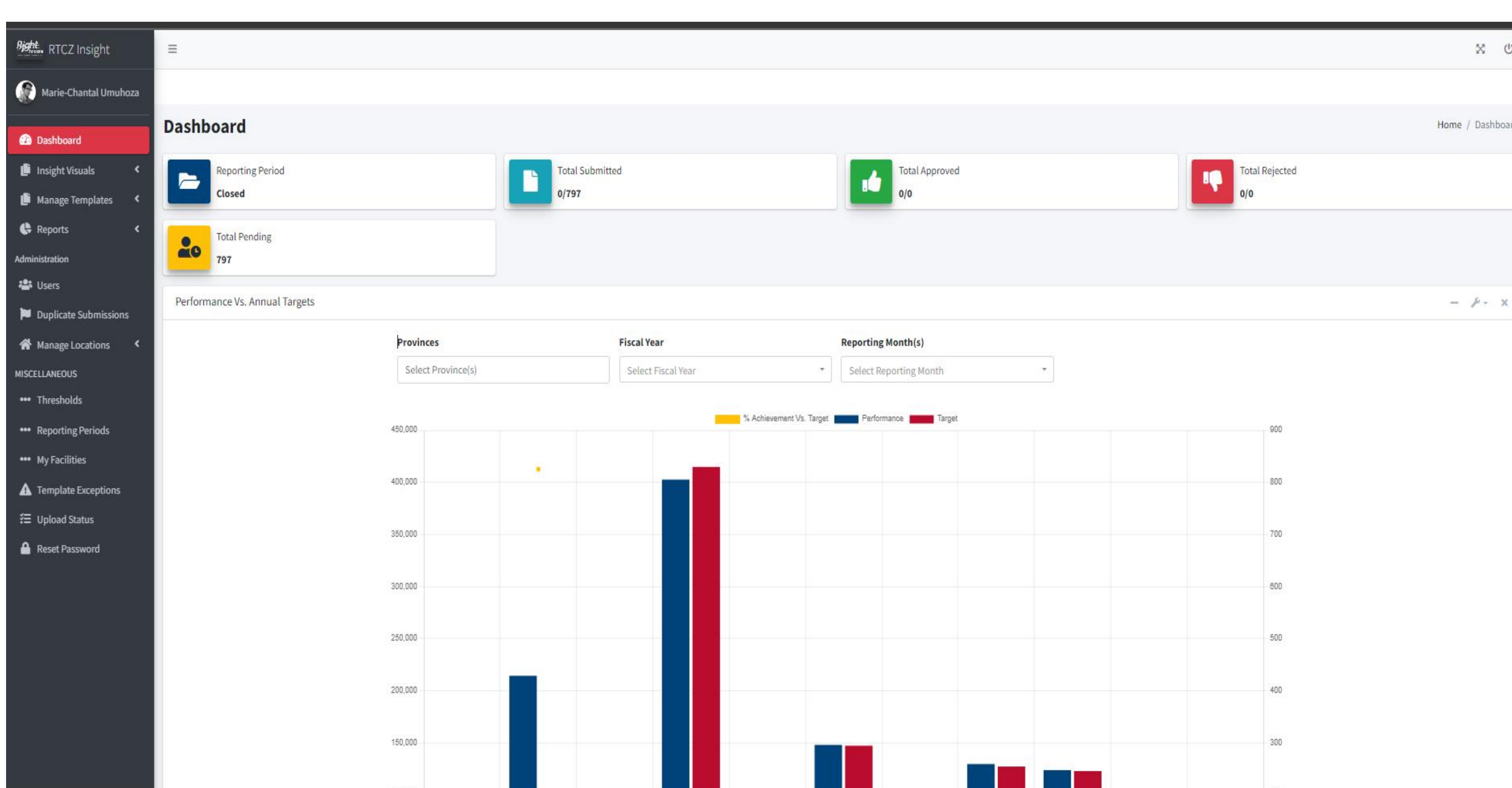


Figure 1: RTCZ Insight data management system