Harness the Power of Automation for Clinical Research Management

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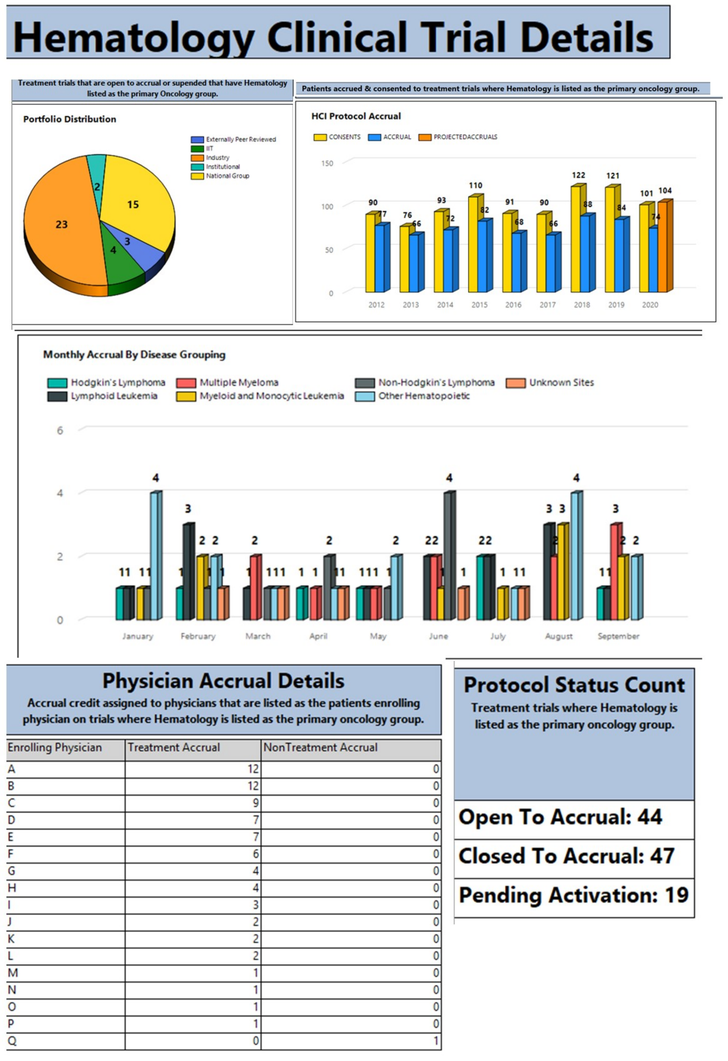
BACKGROUND

Managing a successful Clinical Trials Office requires leveraging data for various reasons including reporting to the National Cancer Institute, writing grants, tracking accrual, patient safety concerns such as re-consent, and portfolio management. Data is spread across many systems and is entered by many different users. Real-time and easily accessible data is essential for efficient and effective management of all areas of the clinical research enterprise. Robust quality control measures must be in place to ensure the accuracy of the data. The Huntsman Cancer Institute (HCI) Clinical Trials Office (CTO) has 13 separate clinical trials research groups, 454 active interventional treatment trials, and 282 individual users actively entering data. Resources for management and oversight in this area are consistently strained. Automating reports and safety checks ensures that the data entered is constantly being monitored, that reports are readily available with the most accurate and up-to-date information, and creates efficiency and availability from strained resources.

GOALS

- Provide our investigators and CTO leadership the ability to access presentable and up-to-date data for their trials and patients instantly;
- Increase the efficiency of the quality assurance and oversight processes;
- Provide coordination staff with automated emails to monitor patients/trials they are managing;
- Free up strained resources within our business systems team.



RESULTS

- 66 individual reports containing charts and graphs created.
- Key data points are monitored weekly for all patients and trials in our system.
- Automating reports and safety checks reduced the work load required by 98%.
- Data quality and efficiency in business systems operations have greatly increased.

CONCLUSIONS

We have noted that it is not possible to automate some reports due to complexity of the data and desired format. Software has the possibility of adjusting the name/structure of the database, which can lead to required code adjustments.

FUTURE PLANS

We plan to continue to expand our reports to further cover additional areas of interest and get rid of the need for any manual oversite.

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