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Background:

A mid-sized hospital maintains a hazardous drug list with 350 drugs and anticipates adding 10 new drugs each year due to changes in treatment protocols and drug formulations. The hospital decides to implement Rhazdrugs to enhance the management of the drug list, ensure compliance, and improve overall operational efficiency.

Key Areas of Time Savings:

Automated Database Management:

Before Automation:

- Annual staff hours spent on manually updating the drug list: **350 hours**.
- If done correctly, each drug takes about an hour to create, including performing a risk assessment, accounting for all formulations, assessing risk of exposure, creating safety data sheets, and adding this infor-mation to your EHR.
- If you have to switch from NIOSH 2016 or 2020 when the new NIOSH 2023 is official, assume an additional **175 hours** if you are unable to delineate changes in your EHR.
- A recommended committee of 10-12 is involved in this review process. Assuming this takes your team 6 months meeting weekly, that's an additional **288 hours**.
- Total Time Before Automation: **813 hours**.

After Automation:

- We will take your hazardous drug list and get to work creating your database. We will meet with you weekly or every two weeks depending on when you want to go live (our typical timeline is 2-3 months). If you choose to continue to meet internally and meet with us every two weeks, total hours spent would be **144 hours**.

Time Saved:

- **669 Hours**, reducing time spent by **83%**.

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Efficient Workflows with New Drug Additions:

Before Automation:

- **10 hours**, based on one hour spent assessing each new drug.

After Automation:

- We do the work for you. When a new drug is added, we will alert you via your editor, email, and social me-dia. All you have to do is review the drug we added and decide if you want in on your list. Our clients say this takes them 5 minutes per drug, **2.5 hours** per year.

Quantifiable Savings:

- **7.5 Hours**, reducing time spent by **75%**.

Real-Time Compliance Monitoring:

Before Automation:

- Your annual approval process is part of compliance with USP <800>. You must review USP <800> guidelines for any updates or changes, and then you must review the drugs to see if they are still manufactured in the United States or if they're obsolete. To do this thoroughly, we estimate this taking half an hour per drug or **180 hours**.

After Automation:

- With Rhazdrugs, our approval wizard will indicate if a drug has been edited prior to its last approval. When you edit a drug, you can reapprove it right there as you make changes. Even if you do not review as you make changes, our approval wizard ensures you can mass approve if nothing has changed in the past year. Based on this client, we estimate the maximum time spent on approvals as **30 hours** annually.

Quantifiable Savings:

- **150 Hours**, reducing time spent by **83%**.

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Training and Onboarding Efficiency:

Before Automation:

- We've heard all different methods of training healthcare workers on USP <800> guidelines. Some hospitals have this information printed on PDFs at the point of care for nurses, and others have worked to manually create buttons or pop ups in their EHR for each individual drug. Everyone has their own method of disseminating this information to staff, but the pharmacy can't control how this information is updated or distributed to staff handling these hazardous drugs. Based on the dissemination method described above, we estimate **120 hours** spent annually on updating and reeducating staff.

After Automation:

- With Rhazdrugs, changes are made instantly and are available on your hospital intranet, in your EHR, and even on your staff's mobile phones, tablets, and computers. No reprinting or redistribution required, meaning your time spent reeducating is **0 hours**!

Quantifiable Savings:

- **120 Hours**, reducing time spent by **100%**.

Risk Management and Incident Prevention:

Before Automation:

- This question is everchanging. Is your state board of pharmacy fining right now or just issuing warnings? The FDA and OSHA can also inspect and issue penalties.

After Automation:

- Proactive risk management reduces fines and penalties. Rhazdrugs puts this information at the fingertips of your staff. Every single person who handles a hazardous drug, from administration to disposal to receiving, can access Rhazdrugs with ease.

Quantifiable Savings:

- Hours spent with legal and compliance addressing a mishandling of hazardous drugs? Hours spent looking up incorrect hazardous drug handling on a certain search engine? Hours spent remedying gaps found by inspectors?

You tell us.