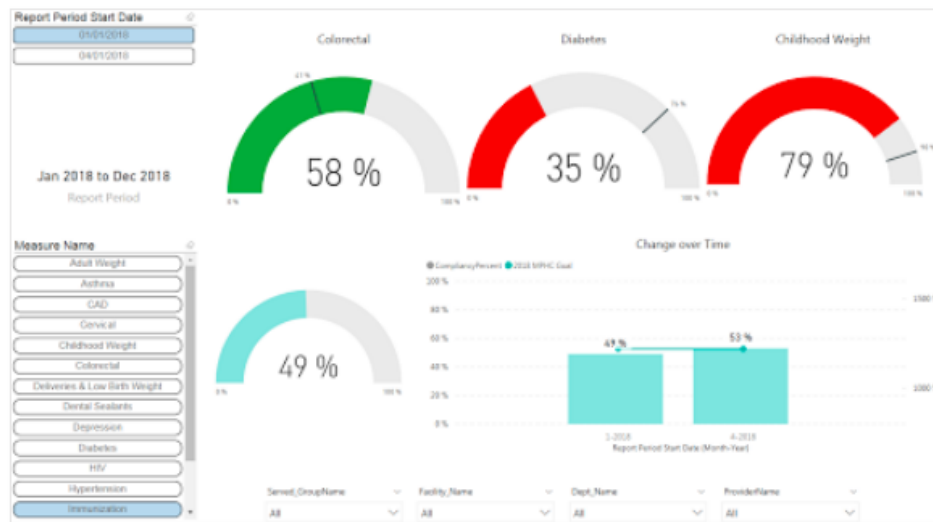


Example project: an interactive and dynamic report/dashboard that allowed individual medical providers, supervisors, and department directors to track the status of federally-required success metrics on an ongoing basis.



The problem - Mountain Park Health Center must ensure that they are meeting specific data points for their federal funding mandates. As such, the previous quarterly report was completed using Excel and was not satisfactory. It was a tedious and manual process, prone to human error and needlessly, time-consuming updates.

The solution - Engineer an interactive and automatically updated dashboard/report that allowed different user roles to access pertinent data to ensure the federal requirements are being met. I solely engineered this project, while using the insights and experience of stakeholders that would be relying on this project to ensure it would meet their needs.

Data used -

- Internal provider and related staff data collected via IT's HR records
- Health data collected from the nonprofit's EMR system
- External data collected from federal guideline requirements related to this project's needs

Tools used -

- *Microsoft SQL Server Management Studio (SSMS)* - wrote and QA'ed complex SQL queries, generated views, and cleaned and prepped data before syncing it to Microsoft PowerBI
- *Microsoft PowerBI* - a data model was created after syncing data from SSMS and outside sources; users and roles were then managed via the PowerBI online platform
- *Microsoft SharePoint* - the dashboard was published to SharePoint; access to the dashboard and synced data was managed via row-level security (RLS) and was determined by the user's role and SharePoint login (provider, supervisor, or department director), as each role had a different level of access to the information