Agency: District of Columbia Department of Health

**Project Title:**
Washington DC: Development of a Comprehensive Healthcare Associated Infections (HAI) and Multi-Drug Resistant Organisms (MDROs) Dashboard

**Project Description:**
The District of Columbia (DC) has seen a steady increase in the number of Multi-Drug Resistant Organisms (MDROs) since before the start of the COVID-19 pandemic. For example, Candida Auris (C.Auris) cases in the District have increased from 2 cases in 2019 to over 450 cases that have been identified since then. This increase in MDROs not only impacts DC but neighboring jurisdictions of Maryland and Virginia, due to the proximity of their borders. The movement of patients coming in and out of DC further adds to the complexity of the issue because infections with one MDRO increases risk of additional MDROs and Healthcare Associated Infections (HAI). This team aims to create a dashboard that will identify patients with multiple MDROs and HAIs across different facilities providing a geospatial context of interfacility transfers in the District of Columbia.

In DC, we rely on multiple reporting platforms for our MDRO data. As a result, our case counts are often undercounted due to a disjoint in our systems which in turn impacts our response time and hampers opportunities for real time intervention. In addition, data is stored internally in databases that are not comprehensive and do not interact with each other.

The development of HAI and MDRO dashboard will serve as a common reporting platform for the DC Health HAI team, modernizing existing surveillance systems in place. This dashboard will also enhance our ability to quickly identify cases and outbreaks and to conduct focused containment efforts. The goals of this dashboard will enhance our current processes to directly align with the first and second priorities of the Data Modernization Initiative. Data trends identified through this dashboard will support with prioritizing equitable distribution of resources to the most vulnerable patients and facilities.