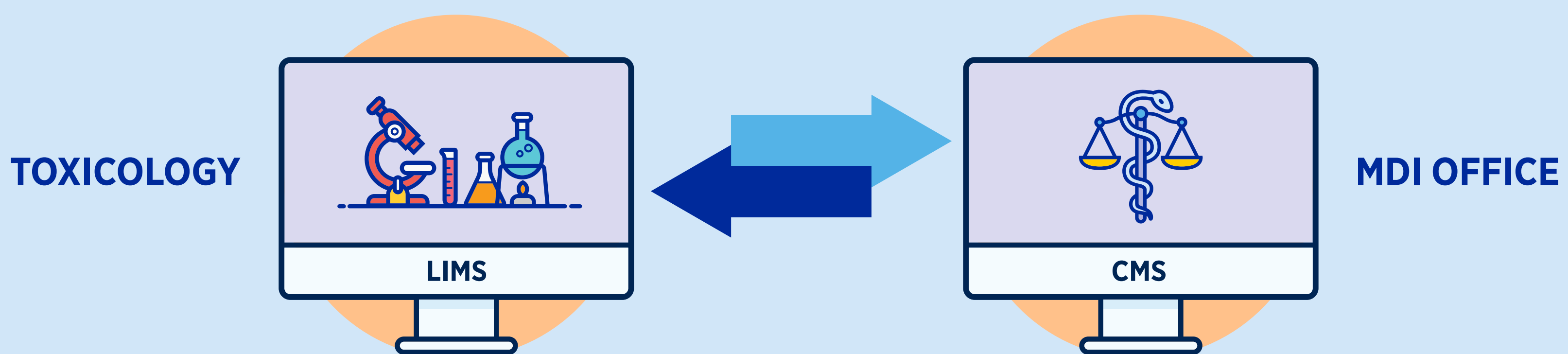# CHARLESTON COUNTY CORONER'S OFFICE (SOUTH CAROLINA)

The Charleston County Coroner's Office (CCCO) serves a population of approximately 419,000 residents, roughly 8% of the population of South Carolina. In 2022, there were 2,674 deaths reported to CCCO, and approximately 22% (606 deaths) underwent full forensic autopsies which were performed by the county's contracted forensic anthropologist and forensic odontologist. The office also investigated 183 deaths in which the decedent resided out-of-county.

The MDI office is populating their CMS with the postmortem toxicology results directly from the Laboratory Information Management System (LIMS)

TOXICOLOGY — LIMS ⇄ CMS — MDI OFFICE

Dataflow	Toxicology and MDI Case Management System (CMS)
Project Description	Charleston County Coroner's Office (CCCO) is developing and testing FHIR®-based application programming interface (API) interoperability between the case management system (MDILog) and the laboratory information management systems (LIMS) used by South Carolina Law Enforcement Division (SLED). SLED routinely runs DNA tests and toxicological analyses for coroners across the state and assists coroners in investigating deaths.
MDI Connect Office	Charleston County Coroner's Office
CMS Vendor	MDILog
Data Sharing Partner	South Carolina Law Enforcement Division (SLED)
Data Sharing Vendor	Porter Lee/The Crime Fighter BEAST
Benefits	Reduced data entry efforts and improved data quality Ability to serve families and communities with improved and faster death certificate processes
Challenges	Short project time frame and barriers creating and executing subcontracts Incorporation of additional requirements from the state's Information Technology department

Acronyms: • MDI – Medicolegal Death Investigation **• CMS** – Case Management System **• LIMS** – Laboratory Information Management System **• HL7** – Health Level 7 **• FHIR** – Fast Healthcare Interoperability Resources

About MDI Connect: MDI Connect is a joint initiative of the Centers for Disease Control and Prevention's (CDC) Collaborating Office for Medical Examiners and Coroners (COMEC) and the CDC Foundation. Through MDI Connect, medical examiner and coroner offices work together to enhance data sharing between their offices and public health, toxicology or other agencies. MDI Connect is a collaborative learning environment where MDI offices, data sharing partners, vendors and Fast Healthcare Interoperability (FHIR®) subject matter experts can work together to modernize MDI data practices and work towards interoperability. The goal of this collaborative is to create reusable tools and approaches that will reduce data entry efforts, reduce efforts exchanging data with others and increase access to information for office functioning and research. **For more information visit, MDIconnecthub.org**

MDI **CONNECT**