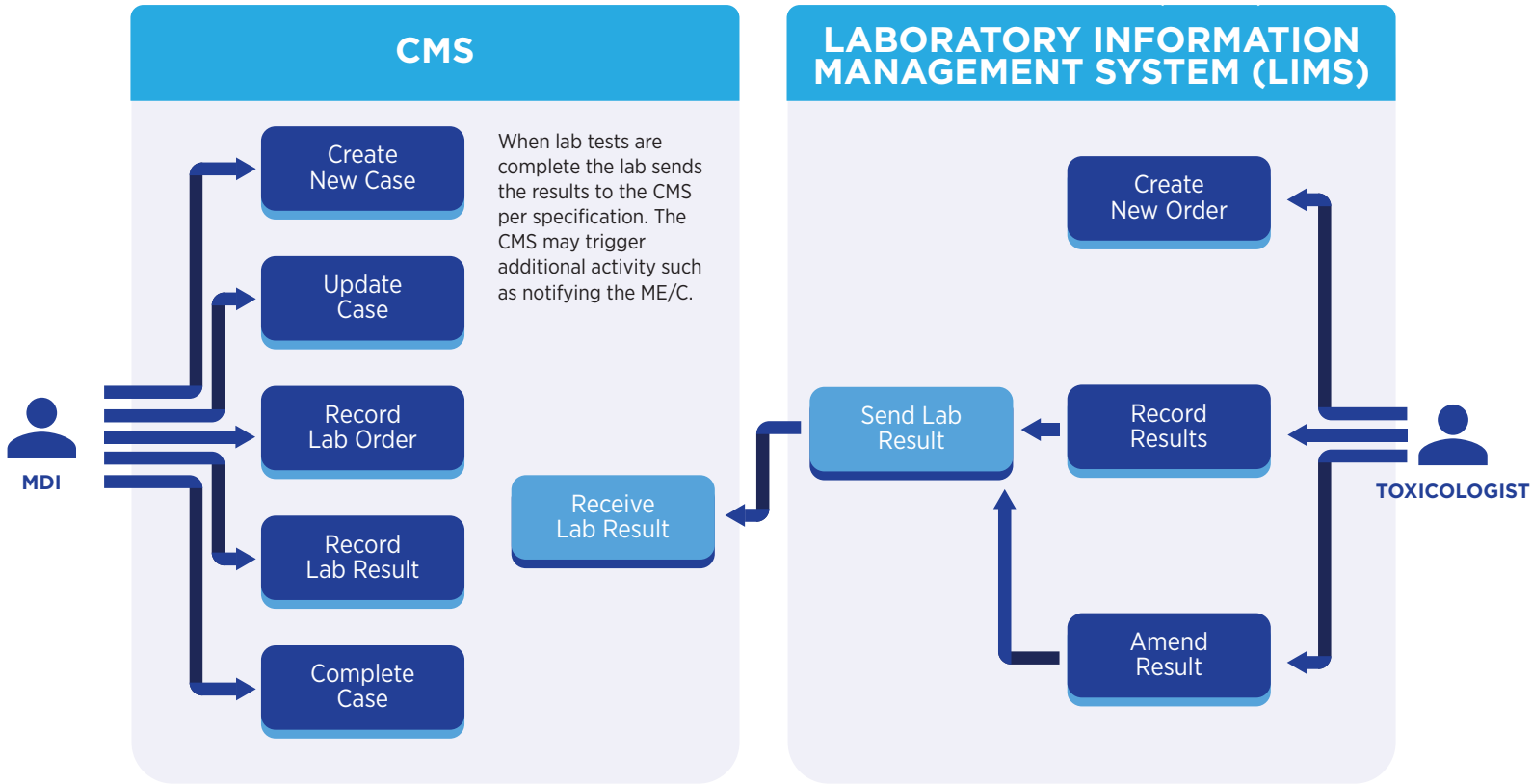# MDI CONNECT

TOXICOLOGY LAB WITH MEDICOLEGAL DEATH INVESTIGATION OFFICE

When a toxicology lab result is completed or amended, the Toxicology Laboratory Information Management System (LIMS) sends (pushes) the lab result data to the Medicolegal Death Investigation (MDI) Office Case Management System (CMS) via an Application Program Interface (API). The CMS receives and stores it in its system. The CMS may also create a message or entry in a work queue to notify the CMS that activity has taken place.

CMS

- Create New Case
- Update Case
- Record Lab Order
- Record Lab Result
- Complete Case
- Receive Lab Result

MDI

When lab tests are complete the lab sends the results to the CMS per specification. The CMS may trigger additional activity such as notifying the ME/C.

LABORATORY INFORMATION MANAGEMENT SYSTEM (LIMS)

- Create New Order
- Send Lab Result
- Record Results
- Amend Result

TOXICOLOGIST

KEY TERMS AND DEFINITIONS

SYSTEM FUNCTIONS

System Functions – Example User Interactions, not exhaustive.

APPLICATION PROGRAM INTERFACE (API)

Application Program Interface describes the functionality between systems. The API specification includes the data elements, security considerations, transport, etc. When a system receives/consumes updates additional system specific behavior may be initiated such as placing work in a work queue to notify someone of new activity.

SYSTEM NAME

System Boundary – A rectangle that contains the various system functions, including the parts of the API that each system is responsible for.

Lab Staff represents any individual in the toxicology laboratory with access to the LIMS. Some may only have access to limited functions.

MDI represents the Medical Examiner, Coroner or other individuals in their office delegated to perform a particular use case. Some may only have access to limited functions.