Committee Approval Date:

FMG approved 2021-10-20 FMG Agenda/Minutes

Publishing Lead:

Diana Wright

Contributing or Reviewing Work Groups:

Public Health (sponsor)

FHIR Development Project Insight ID:

1737

Scope of coverage:

The scope of this Medicolegal Death Investigation (MDI) FHIR implementation guide includes the content of case management systems on deaths investigated by medicolegal death investigation systems. This will include the bidirectional exchange of data between MDI systems, case management systems, jurisdictional electronic death registration system (EDRS), toxicology and other laboratory information management systems (LIMS), and ancillary workflows whose systems have the capability of utilizing FHIR.

Content location:

https://github.com/HL7/fhir-mdi-ig

Proposed IG Title:

Medicolegal Death Investigation (MDI) FHIR IG

Proposed IG realm and code:

US Realm (us)

MDI

FHIR Core version(s):

FHIR R4.0.1

Maintenance Plan:

CDC/NCHS intends to provide ongoing support of this implementation guide with FHIR community inputs when adopted.
Short Description:

This US-specific IG supports exchange of data for medicolegal death investigations, for example from a toxicology lab to a case management system (upstream), and from a case management system to a jurisdictional electronic death registration system (EDRS) (downstream).

Long Description:

This US-specific IG provides guidance to implementers and jurisdictions on the exchange of information to and from a case management systems. It supports interoperability between the case management systems of medical examiner and coroner departments, hospital electronic health record (EHR) systems, toxicology and other laboratory information systems (LIS), jurisdictional vital records offices, and public health departments. Data workflows include the receipt of toxicology information into a case management system and sending information to a jurisdictional health department. Additionally, it supports medical examiners/coroners (ME/C) in viewing information from a decedent’s EHR for death investigations. The design intent of this IG is to create a base that states can further specify for exchange state-specific data.

Involved parties:

- Centers for Disease Control and Prevention (CDC), National Center for Health Statistics (NCHS)
- Georgia Tech Research Institute (GTRI)
- Lantana Consulting Group

Expected implementations:

Pending

Content sources:

- US Standard Death Certificate
- Medicolegal death investigation data commonly exchanged with one another and stakeholders. A Report to the National Institute of Standards and Technology (NIST) Organization of Scientific Area Committees (OSAC) by the Crime Scene/Death Investigation Medicolegal Death Investigation (MDI) Subcommittee. 2021
- Parish G and Hanzlick RH, Medical Examiner/Coroner Death Investigation Data Set, Medical Examiner/Coroner Information Sharing Program, National Center for Environmental Health, Centers for Disease Control and Prevention, January, 1995

Example Scenarios:

- Reporting death from a Medical Examiner/Coroner case management system (CMS) to jurisdictional vital records offices
- Toxicology/lab data to CMS
- Reportable deaths from CMS to public health departments
- EMR to CMS - viewable source only

IG Relationships:

This IG will align with Vital Records Mortality and Morbidity Reporting FHIR Implementation Guide 1.0 - STU 1 (http://hl7.org/fhir/us/vrdr/index.html)

Timelines:

- Connectathon: Jan 2022
- Ballot: May 2022
- 2nd Connectathon: Jan 2023
- Comment period - Jan 2023
- STU update

FMG Notes