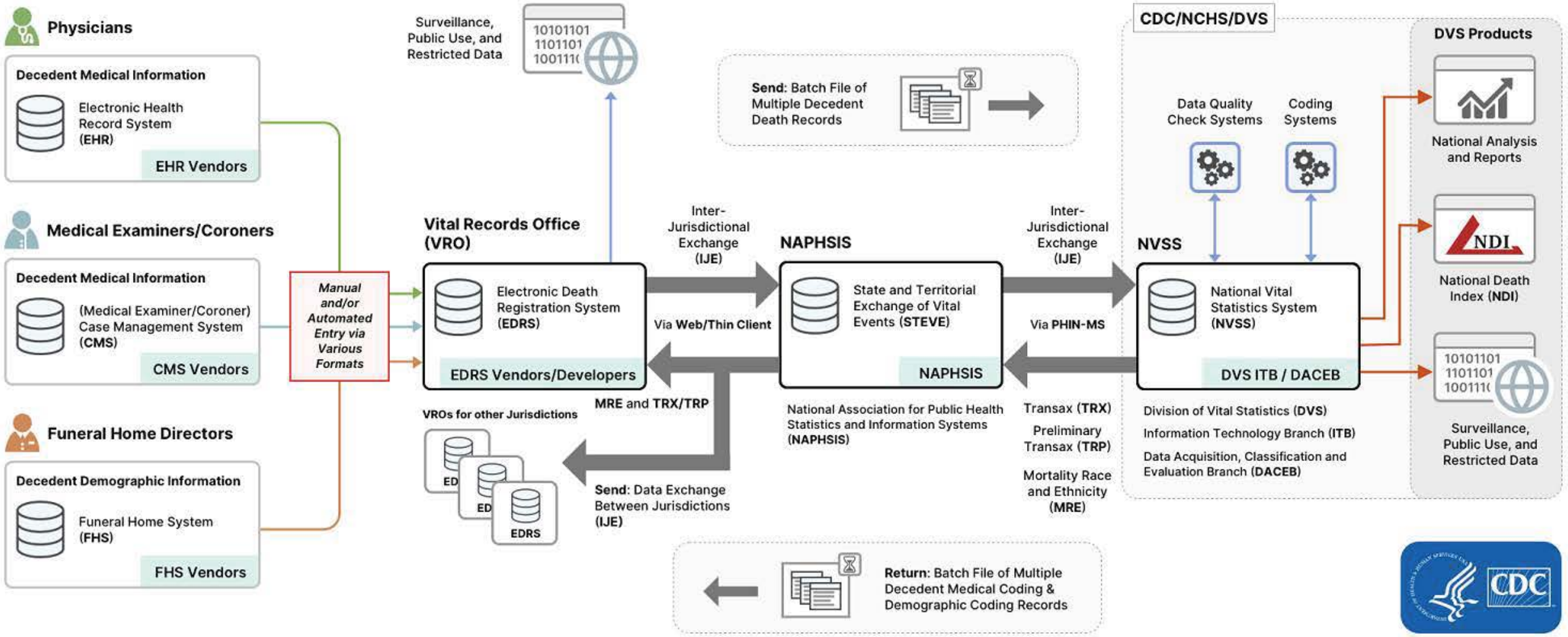
National Vital Statistics System Mortality Flow – Current State

v1.0 - 02 Nov 2022

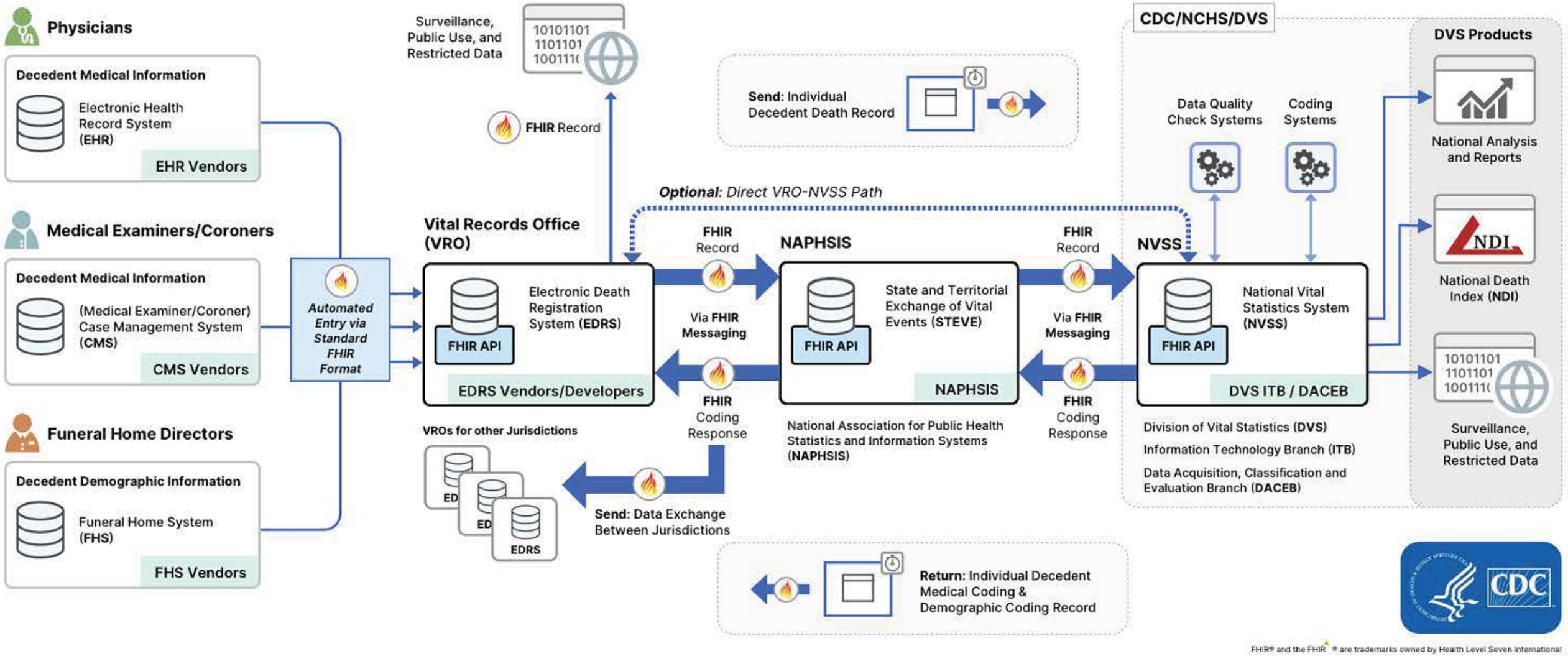


Vital Statistics Ecosystem — Challenges and Opportunities with Operating the Current State

- Dated IT Infrastructure
- Manual, Inefficient Processes
- Proprietary Formats
- Delays with Data Delivery
- Lack of Data Status, Transparency

National Vital Statistics System Mortality Flow – Future State

v1.0 - 02 Nov 2022



FHIR® and the FHIR ® are trademarks owned by Health Level Seven International

Vital Statistics Ecosystem — Foundational Practices In-place to Enable the Future State

- Governance & Change Management
- Training & Technical Assistance
- Interoperable Health Data Standards
- Modernization Funding
- NVSS Modernization COP
- Open-Source Tools
- NAPHSIS Jurisdiction Advocacy

→

- Improved Data Timeliness
- Improved Data Quality
- More Reliable Technology
- Integrated Work & Data

National Vital Statistics System - Glossary

v1.0 - 02 Nov 2022

Formats

- **Fast Healthcare Interoperability Resources (FHIR)**
  FHIR (pronounced "fire") is a standard describing data formats and elements and an application programming interface for exchanging electronic health data.
- **FHIR Message**
  A bundle encoded using FHIR sent from one application to another.
- **Interjurisdictional Exchange (IJE)**
  IJE format is the legacy format for submission of death records from jurisdictions to NCHS, and distribution of death records among jurisdictions. Definition maintained by NAPHSIS.
- **Mortality Race and Ethnicity (MRE)**
  MRE is a CDC-defined legacy format for sending coded race and ethnicity data to Jurisdictions.
- **Preliminary Transax file (TRP)**
  TRP is the same format as TRX, but contains only automatically coded data.
- **Transax (TRX)**
  TRX is a CDC-defined legacy format for sending coded cause of death information to Jurisdictions.

Organizations

- **Center for Disease Control and Prevention (CDC)**
  CDC is an agency of the US federal government whose mission is to protect public health by preventing and controlling disease, injury, and disability.
- **Data Acquisition, Classification and Evaluation Branch (DACEB)**
  DACEB is a branch within CDC/NCHS/DVS.
- **Division of Vital Statistics (DVS)**
  DVS is a division within CDC/NCHS responsible for vital statistics.
- **Information Technology Branch (ITB)**
  ITB is a branch within CDC/NCHS.
- **National Association for Public Health Statistics and Information Systems (NAPHSIS)**
  NAPHSIS is the National Association for Public Health Statistics and Information Systems. It is a nonprofit organization that represents the U.S. vital records and public health statistics offices.
- **National Center for Health Statistics (NCHS)**
  CDC's NCHS collects, analyzes, and disseminates timely, relevant, and accurate health data and statistics for the United States.
- **Vital Records Office (VRO)**
  A governmental institution responsible for filing, issuing, preserving, protecting, and amending copies of vital records. Vital Records Offices are sometimes called a Bureau of Vital Statistics or Bureau of Vital Records.

Systems

- **Electronic Death Registration System (EDRS)**
  A system for electronically creating, updating and certifying death certificates.
- **Electronic Health Records (EHR) System**
  A digital version of a patient's paper chart.
- **Funeral Home System (FHS)**
  Management systems for used by funeral directors.
- **Medical Examiner/Coroner (ME/C) Case Management System (CMS)**
  Case management systems supporting the medico-legal investigation of death by medical examiners and coroners.
- **The Public Health Information Network Messaging System (PHINMS)**
  PHINMS is a CDC-developed implementation of existing standards for the secure and reliable transmittal of messages across the Internet.
- **National Death Index(NDI)**
  NDI is a central computerized index of death record information on file in the state vital statistics offices maintained by NCHS/DVS.
- **National Vital Statistics System (NVSS)**
  NVSS, operated by NCHS/DVS, collects and disseminates the official vital statistics for the United States.
- **State and Territorial Exchange of Vital Events (STEVE)**
  STEVE is a data-exchange system developed by NAPHSIS to allow states to exchange vital records (births and deaths) and to send statistical data to the National Center for Health Statistics.

Information

- **Death Record**
  The information submitted by a jurisdiction to NCHS or to another jurisdiction to record the death of the decedent.
- **Decedent Demographic Information**
  Information about the Decedent's identify, race/ethnicity and address.
- **Decedent Medical Information**
  Information about the decedent from Electronic Health Records (EHR) systems.
- **Demographic Coding Record**
  A coded interpretation of the decedents race and ethnicity.
- **Medical Coding Record**
  A coded interpretation of the causes of death in the death record generated by an automated system or nosologists.

FHIR® and the FHIR flame® are trademarks owned by Health Level Seven International