

Provider Directory Reference Materials

The following is a selected bibliography of papers, presentations, recommendations, and other documents on the topic of provider directories, spanning roughly from 2010 to the time of the Provider Directory Workshop.

ONC Documents

[Connecting Health and Care for the Nation: A Shared Nationwide Interoperability Roadmap](#), published by ONC in 2015 as to guide stakeholder focus in the near- and long-term and to catalyze and to lay out a path building and using health IT (Section M, Health Care Directories and Resource Location, addresses provider directories)

[2016 Interoperability Standards Advisory](#), which provides a single, public list of standards and implementation specifications that can best be used to fulfill specific health information interoperability needs, and to reflect of ongoing dialogue, debate, and consensus among industry stakeholders best available standards to meet those needs, published by ONC in 2016 (Section III-D: Provider Directory addresses provider directories)

Reports, Recommendations, and Assessments

[HITPC Provider Directory Environmental Scan](#), presented to the HITPC in 2010, is a dated scan with now obsolete information, but provides a comprehensive framework for assessment provider directories

[HITPC Summary of Final Recommendations on Individual-Level Provider Directory \(ILPD\)](#), presented to the HITPC in 2011, provides final recommendations on provider directories for individual provider information in the then-common ILPD/ELPD directory structure for individual and entity provider directories

[Provider Directory Solutions: Market Assessment and Opportunities Analysis](#), a market analysis commissioned by ONC in 2012 that addresses architectural issues, technical standards, operational and business issues, activities, the competitive I, and business opportunities

[Rhode Island Unified Provider Directory Assessment and Recommendations](#), commissioned by ONC in 2013 to evaluate the then-current approach to managing provider information within various agencies and entities in Rhode Island

[NwHIN Power Team Provider Directory Recommendations](#), presented to the HITPC in 2014, with recommendations concerning use of existing and emerging standards, and leveraging of the NPI database

[IWG Governance Best Practices & Standards Alignment Project, Federated Provider Directories Pilots Final Report](#), and output of the ONC Exemplar HIE Governance Program published in 2014 reporting on technical and policy findings of pilots projects for interoperable, federated provider directories

[Strategic Implementation Guide: Provider Directories](#), published by the ONC-SIM Health IT Resource Center for State Health IT Modular Functions for Value-Based Payment in 2016, and including an extensive bibliography of materials related to provider directories

Public and Private Workgroup Activities

[S&I Framework Provider Directory](#) wiki space, and its [final work products](#), last updated in 2011, which contains an analysis of use cases targeted at discovery of individuals, organizations, their relationships, and their electronic endpoints for health information exchange

[ONC Modular Specification \(ModSpec\) Provider Directory](#) wiki page, with artifacts, last updated in 2013, attempting to unify the HPD and HPD+ specifications and define an approach to federation using HPD that was not implemented but led to the federated option in HPD

[Practical Guide to Populating and Maintaining Provider Directories for Health Information Exchange](#), a report drafted by the Provider Directory Community of Practice for ONC in 2012 based on interviews with leaders of active state HIEs and provider directory vendors

Summary of [Federal Health Architecture \(FHA\) Healthcare Directory \(HcDir\)](#) workgroup activities of 2015, outlining an assessment of potential architectural models with recommendations on architecture and information content for Federal Agencies, presented to the Federal Health Architecture Steering Team in 2015

[Recommendations for DIRECT and eHealth Exchange ESI](#), a guidance document for implementers working with Electronic Service Information (ESI) on any health care directory platform for Federal Agencies providing recommendations the enumeration and representation of Agency agreed-upon priority ESI profiles, published in 2015 by the Federal Health Architecture

[Recommendations for Establishing Trust Relationships](#), a recommended baseline for a healthcare directory framework of collaborative ESI policies and definitive criteria in order to be effective for initial Federal Agency adoption, published in 2015 by the Federal Health Architecture

A presentation on the [Healthcare Provider Directory Prototype](#) developed by MITRE in 2015 as part of the Federal Health Architecture workgroup on healthcare provider directories, including recommendations regarding the suitability of current technical standards

[Strategic Implementation Guide Provider Directories](#), published in 2016 through the ONC-SIM Health IT Resource Center as a high-level overview of provider directories that provides helpful information to support achievement of an operational and sustainable directory strategy that enables value-based payment

Technical Standards and Implementation Guidance

[IHE ITI Technical Framework Supplement, Healthcare Provider Directory \(HPD\) for Trial Implementation](#) version 1.6, an interoperable data model and API for (optionally) federated provider directories based on LDAP and SOAP web services

IHE Wiki for the [Healthcare Provider Directory \(HPD\) USA National Extension](#), which is intended to define an extension to the international HPD standard to meet specific use cases and data needs of the US market

[Statewide Send and Receive Patient Records Technical Specification](#) version 1.1 (which includes HPD+ v1.1), an extension of the initial release of HPD that expanded its capabilities to represent complex relationships among individual providers and organizations, and the context for electronic information exchange, capabilities now included in recent versions of HPD

[FHIR Draft Standard for Trial Use 2](#), the current published specification for Fast Healthcare Interoperability Resources by HL7, which includes resources for Practitioner, Organization, and Location that may be used in provider directories

[IHE ITI Technical Framework Supplement, Care Services Discovery \(CSD\) for Trial Implementation](#) version 1.3, and interoperable specification that supports queries across related directories containing data about organizations, facilities, services and providers that includes an optional “free/busy” service , and a data and federation model not based on LDAP

OMG [Services Directory \(ServD\)](#) version 1.0, a little-used SOA model to support the discovery of individual and organizational provider information including locations, associations, contact details, services, identifiers, and other characteristics/attributes, and used as a reference for FHIR

[HL7-OMG Healthcare Services Specification Project \(HSSP\)](#) release 1, a little-used standard for provider directories developed as a joint endeavor between HL7 and the Object Management Group (OMG), and used as a reference for FHIR

Introduction to the [PHIN Public Health Directory \(PHIN DIR\)](#), a distributed network of related directories as an authoritative repository of information about people, organizations, and jurisdictions that are of importance to public health programs that is part of the Public Health Information Network (PHIN)

[PHIN Directory Exchange Implementation Guide](#) version 1.0, published by CDC in 2009, as the guide to implementing the PHIN-DIR

[Health Care Provider Taxonomy](#) version 8.0, sometimes preferred as the US terminology for provider specialty and often used in provider directories as a terminology and coding standard for individual and organizational specialization

Learning Events and Other Presentations

[ONC Modular Specification \(ModSpec\) Provider Directory \(PD\) Overview](#), an overview of HPD and the ModSpec activities to consolidate competing versions of HPD and define a means for federation, from 2014

[Provider Directory & Identity Management](#) from the State Innovation Model Initiative (SIM) learning event in 2015 which includes introductory material on interactions, standards, use cases, and value propositions

[Provider Directory Affinity Group Discussion on Standards and Architecture](#), a presentation from 2015 with a good overview of technical standards and architectural considerations

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