

ORACLE'S PUBLIC HEALTH INFORMATION NETWORK INFRASTRUCTURE (PHIN)

KEY FEATURES

ORACLE'S PUBLIC HEALTH INFORMATION NETWORK INFRASTRUCTURE PROVIDES:

- Structured PHIN Planning Workshop
- Integrated Standards-based Data Repository
- Enterprise Integration Engine for data in motion
- Inbound and Outbound Information and Communications support
- IT Security and Infrastructure Protection

If your IT infrastructure doesn't support the Centers for Disease Control and Prevention (CDC) standards and specifications, consider Oracle's Public Health Infrastructure Network.

What is PHIN?

The Public Health Information Network (PHIN) is an electronic system that supports monitoring of the public health through a live, secure, Internet-based network for exchanging critical health information between all levels of public health and other critical information systems. A key PHIN building block is the adoption of IT standards and specifications so that public health issues can be connected and data can be shared and analyzed.

What are the Benefits?

Speed and Simplicity in Addressing Complex Requirements – With multiple options presented in an integrated vision, you can easily implement the solution set for your environment.

Ease of Deployment and Management – Different infrastructure components have been designed to fit together, making deployment and management easy and less risky.

Lowers Total Cost of Ownership (TCO) – The Public Health Information Network platform provides functionality that leverages existing legacy applications and supports new application development.

Oracle Public Health Information Network Infrastructure Components

Oracle's Public Health Information Network's infrastructure is a set of offerings to mix and match with existing agency capabilities and includes:

Integrated Data Repository – PHIN is a healthcare-specific data repository with a standards-based health care information model. The Oracle HTB exposes a clinical infrastructure based on HL7 version 3 Reference Information Model (RIM). It also enforces data normalization, assures compliance with customer-defined security and auditing requirements, and provides a transactional environment for application interoperability.

Enterprise Integration Engine – The Oracle Health Data Integration Hub meets the integration requirements of public and private sector healthcare agencies. The Integration Hub, built on the Oracle9i Database and Oracle9i Application Server, uses web services, adapters, and protocols to facilitate integration between information and legacy systems.

Health Alert Network/Communication – Oracle's Collaboration Suite provides

effective communications among public health departments, healthcare organizations, law enforcement organizations, public officials, and others through: Continuous, high speed connectivity to the Internet; routine use of e-mail for alerts and other critical communication; a directory of public health participants.

Risk Communication – Oracle's Business Flow Accelerator for Plan to CERC uses list management tools to generate target lists that include those most likely affected by disaster. Through analytics and process automation, Plan to CERC can assist in definition, analysis, and implementation of intervention, evaluation, and feedback of every CERC plan.

Inbound Communications – The Business Flow Accelerator for Citizen Contact to Resolution is a multi-channel solution providing customer service representatives (CSR) and field personnel with information necessary to respond to requests for help.

Health Information Dissemination –The portal architecture includes a highly tuned, multi-threaded servlet engine to retrieve portlet content from the portal repository, manage caching, assemble portal pages, and deliver completed pages - all in parallel. This flexible design is achieved by adherence to open standards, integration capabilities with third-party applications, and utilization of partner technologies and services.

Education and Training – Oracle iLearning provides a platform for delivering and managing personalized learning. Content management features enable administrators to update content locations when files are moved or content is updated. A file manager utility allows administrators to save time by tracking and updating course assets without impacting the user's course enrollments.

IT Security and Infrastructure Protection – The Oracle database provides native security capabilities that include use of security domains, privileges for discretionary access control, roles, encryption, and auditing. Selective Audit reduces the burden of establishing effective audit measures by providing a graphical user interface to assist in planning and configuring the audit environment. It is a powerful audit administration tool managing over 250 audit actions, while providing comprehensive help, generating auditing SQL statements, and presenting graphical audit analysis reports.

Getting Started

Leverage Oracle's extensive experience of customer implementations across diverse industries and geographies. Tight integration across Consulting, Development, Support, Education and E-Business Suite Outsourcing puts the entire Oracle team behind your success. Contact us to discuss Oracle services at 1-800-633-0972 or visit oracle.com/homeland.

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