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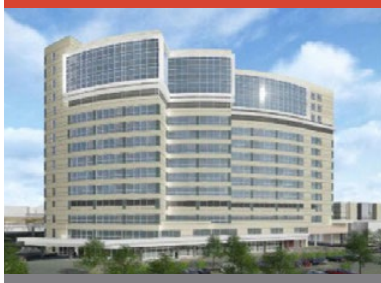
SETTING THE WORLD ON FHIR®

Published by HL7®, an international not-for-profit organization, Fast Healthcare Interoperability Resources (FHIR®) is a standard for exchanging healthcare information electronically.

A series of case studies illuminating how HIT professionals are using HL7®FHIR® to improve and advance modern healthcare



CASE STUDY

PFIZER INC.

Pfizer Inc. is a research-based, multinational biopharmaceutical company with global headquarters in New York, USA. Pfizer applies science and global resources to bring therapies to people that extend and significantly improve lives. Its portfolio includes medicines and vaccines as well as many of the world's best-known consumer health care products. Pfizer collaborates with healthcare providers, governments and local communities to support and expand access to reliable, affordable healthcare around the world.

OCHSNER HEALTH

Ochsner Health is a Louisiana-based not-for-profit academic healthcare system serving communities across the Gulf South. Through its innovation lab, innovationOchsner (iO), Ochsner is solving healthcare's most pressing problems. Ochsner is developing new ways to empower patients to take an active role in monitoring, maintaining and enhancing their own health and for providers to dramatically improve the quality of care by managing patient conditions more effectively and efficiently.

Goal

- To create digital tools to help make clinical trials easier and more accessible for patients, clinicians and researchers

We successfully transferred core data types collected in healthcare provider EHRs to Pfizer's clinical trial data capture system using HL7 FHIR standards. We believe this is a first for our industry.

— Rob Goodwin, VP, Global Product Development Operations Center of Excellence, Pfizer

Opportunity

- To develop and implement technology using HL7® FHIR® standards and wrap-around business processes, so that clinical trial data may be transmitted from hospital and clinic electronic systems to sponsor data capture systems consistently, reliably, and securely

Project

Since the inception of electronic health records (EHRs), integrating EHR data into clinical trial databases has been a goal of research institutions, industry and regulators. Such integration would reduce the burden of manual data entry, save time, decrease cost and accelerate clinical trials. The ongoing challenge has been exchanging data

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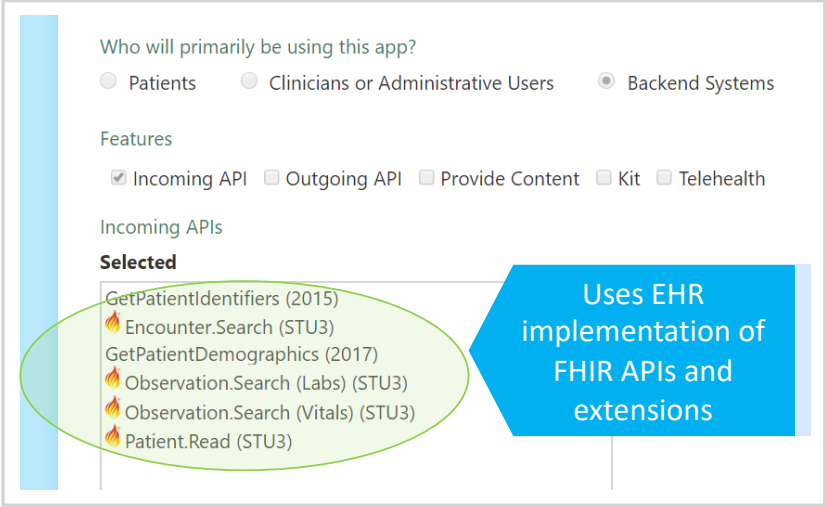
between healthcare systems and clinical trial systems, because each uses different technology platforms and data standards.

Most health apps use HL7 FHIR data standards, but adoption of FHIR for industry-sponsored clinical trial data exchange is more nascent.

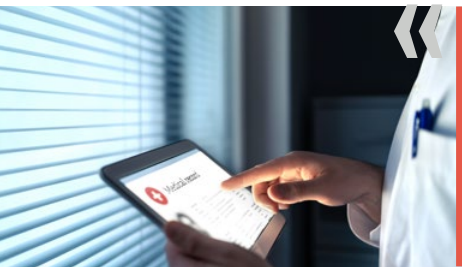
Ochsner, one of the first healthcare systems to implement FHIR, and Pfizer entered into a multi-year strategic alliance to develop innovative models for clinical trials to enhance the clinical trial experience and ease participation in clinical research for both patients and healthcare professionals.



The first phase was "proof of value" in which researchers implemented FHIR standards to successfully transfer mock data from Ochsner's EHR system to Pfizer's electronic data capture system used in Pfizer clinical trials. This step provided an understanding of the gaps and variances between data collected in electronic health records and patient-reported data from clinical trials, thus laying the groundwork for faster and more effective data capture and transfer between organizations.

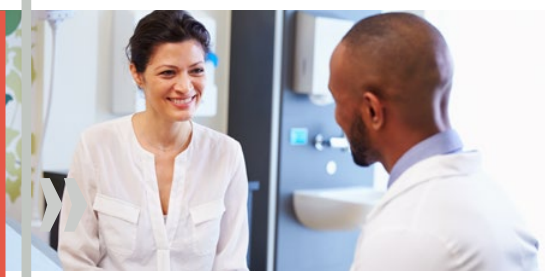
Progress

Pfizer and Ochsner will continue to develop new ways to digitize the patient and clinician experience in clinical trials, with attention to patient preferences on access to and use of their health data and with an overarching goal of enhancing the quality and value of clinical research interactions for all participants.



This partnership allows us to transform medicine by creating a digital clinical trial experience that improves patient participation, integration, communication and accessibility.

— Richard Milani, MD, Chief Clinical Transformation Officer, Ochsner Health & Medical Director, iO



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