

Blockchain for Healthcare Professionals

Overview

This course covers the intersection of healthcare and Blockchain. Training will include an overview of Blockchain, and uses for Blockchain in the healthcare industry, from medical records, to medical devices, insurance and more.

Target Audience

Clinicians
Universities
Hospitals
Healthcare Executives
Entrepreneurs
Investors

Course Objectives

Intro to blockchain
Major healthcare use cases of blockchain
Understand different use cases of PEB that have already been implemented and encourage thought of new potential use cases.

Course Outline

1 - Day 1

History of blockchain
Blockchain 101
Decentralization/centralization
Distributed ledger-private vs public
Mining and consensus mechanisms
Intro to healthcare on blockchain including Medical records FHIR, HL7

2 - Day 2

Patient identity
Value-based care and concepts (discuss outcome-based smart contracts)
Medical devices, Wearables, IoT
Patient adherence monitoring (with tokenized incentives-could also discuss with pt. empowerment), incentives, etc.
Interoperability and other obstacles of implementation (industry inertia, large data sets, inherent resistance to change)

3 - Day 3

Supply chain (substandard and falsified medicines, divergence, compliance with DSCSA)

Logistics

Insurance (eligibility, reduced overhead, claims processing)

Data sets

AI technology (theoretical use cases)

PT empowerment 1 & 2 (digital health wallet with access driven by smart contracts, monetizing data for sharing)
