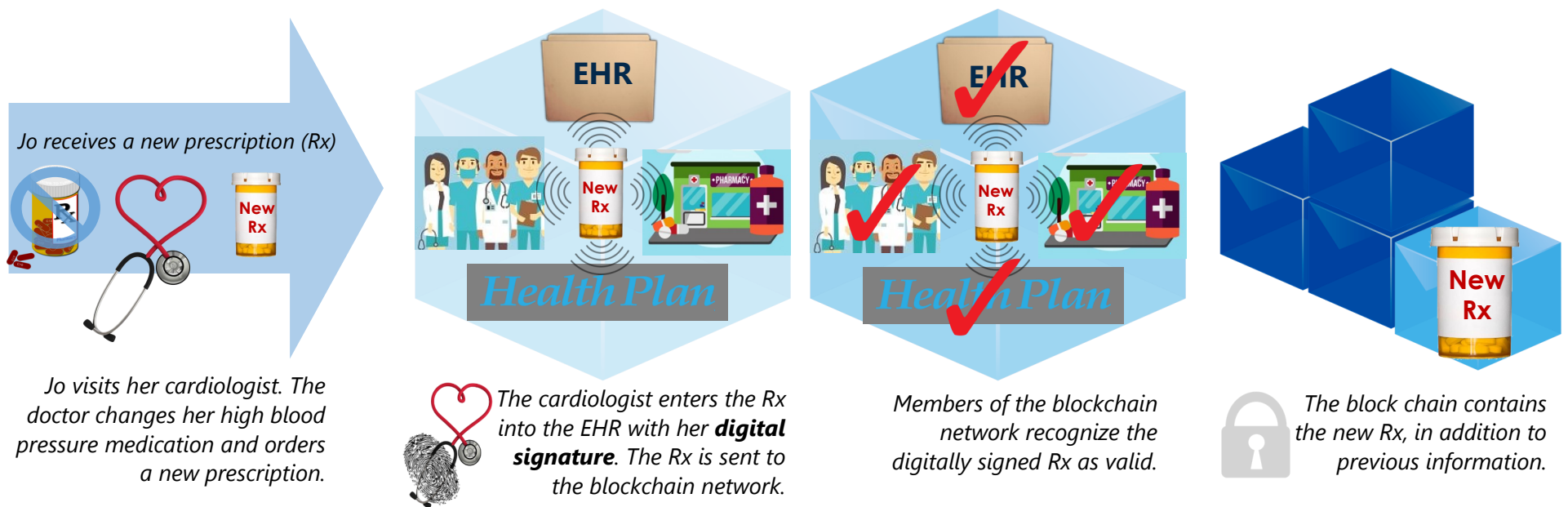# eHI Explains... Blockchain

Blockchain is a digital fingerprint accompanying individual pieces of healthcare information

- Each member of the blockchain network validates digitally signed information
- Once the majority of members agree, validated information is added as a new block in the chain
- Blocks cannot be changed, however new validated blocks can be added

Jo receives a new prescription (Rx)

EHR

New Rx

Health Plan

EHR

New Rx

Health Plan

New Rx

Jo visits her cardiologist. The doctor changes her high blood pressure medication and orders a new prescription.

*The cardiologist enters the Rx into the EHR with her **digital signature**. The Rx is sent to the blockchain network.*

Members of the blockchain network recognize the digitally signed Rx as valid.

The block chain contains the new Rx, in addition to previous information.

eHealth Initiative (eHI) & Foundation are dedicated to transforming healthcare through technology, data, and innovation. For almost 20 years, eHI has created a collaborative space for members to share best practices and discuss emerging technologies.

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