



MEMBERSHIP PROSPECTUS

September 2018



SYNAPTIC HEALTH ALLIANCE

Founding Members



Alliance Membership

In forming the Synaptic Health Alliance, the group recognizes that in order to build an effective solution, the alliance and blockchain network will need more participants from the healthcare industry. At this time, only a limited number of companies will be selected by the alliance as a founding member. More information about Synaptic and membership are on the following page, and the application process is detailed on the last page.

Overview

Humana, MultiPlan, Optum, Quest Diagnostics and UnitedHealthcare have formed a blockchain alliance, named Synaptic Health Alliance, to explore how the technology could help address some of the toughest problems in health care. In its first pilot project, the Alliance is tackling the high cost of health care provider data management, testing the premise that administrative costs and data quality can be improved by sharing provider data inputs and changes made by different parties across a blockchain. The companies all agree this technology has the potential to collectively reduce operational costs while improving data quality, and they will collectively measure outcomes against this premise.

Health care provider data is an essential building block of today's health system, feeding activities such as claims processing, payment integrity processes, provider and member attribution, provider directories and more. Today, managed care organizations, health systems, physicians, diagnostic information service providers and other health care stakeholders typically collect provider demographic data in separate IT systems maintained by each organization independently. This promotes vast inefficiencies and duplication of efforts, while also potentially reducing data quality. Industry estimates indicate that \$2.1 billion is spent annually across the industry chasing and maintaining provider data and that 75 percent of that cost could be eliminated with one single source of truth.*

The Alliance agrees that blockchain technology provides an excellent opportunity to explore how collaboration can help transparently share information, automate mutually-beneficial processes and audit interactions. The intent is to leverage this emerging technology to facilitate reaching across industry and competitive lines, creating a provider data exchange – a cooperatively-owned, synchronized distributed ledger to collect and share changes to provider data, starting with demographics. This single source of truth could improve the quality of data to streamline administrative burden, helping reduce costs, improve access to care for patients and relieve friction between providers and multiple payers. With reduced administrative responsibilities, providers can focus on what's most important – the patient.

The Alliance has identified many potential use cases for blockchain in health care and will consider them for future exploration, with a focus on the goal of improving patient, provider, and payer experiences and driving costs out of health care.

SYNAPTIC HEALTH ALLIANCE MEMBERSHIP

Governance & Structure

The Alliance is governed by an Executive Team (ET), with a Project Management Office (PMO) and a Day-to-Day Execution Team (DET) reporting on the activities to the ET.

- **Executive Team:** A team of senior executives from each founding organization to facilitate expedient decisions on behalf of the healthcare alliance and individual organizations. This group guides the Alliance work groups to ensure alignment with the objectives of the alliance. Decisions will be made by the ET but do not require unanimity.
- **Day-to-Day Execution Team:** A team of leaders from each founding organization to facilitate expedient sharing of cross-organizational perspectives. The DET ensures active participation of each founding organization.
- **Project Management Office:** A cross-organization team tasked with setting and maintaining project management standards for the Alliance. The PMO oversees and drives adherence to project plans, timelines and deliverables of the various work groups. This groups acts as a central source for status reporting and tracking.

Participation

	Founder Member	Associate Member	Services Partner	Advisory Member
Annual Fee	\$100,000*	\$25,000	\$50,000	–
Node Hosting	✓	✓	✓	
Voting Member	✓	Associate members will have a voice in decisions, but no voting power		Advisory members will provide expertise and advice, but have no voting power
New Member Approval	✓			Advisory members will provide expertise and advice, but have no approval power
Included in Initial Pilot	✓			✓
Governance Strategy Input	✓			Advisory members will provide expertise and advice, but have no approval power
Anti-Trust Documentation Input	✓			Advisory members will provide expertise and advice, but have no approval power
Chair Workstreams	✓			
Create Workstreams	✓			
Propose New Workstreams	✓	✓	✓	✓
Participate in Workstreams	✓	✓	✓	✓
Access to Source Code	✓	✓		
Participate in Workstreams	✓	✓		

* Alliance reserves the right to amend annual fee by executive team vote

SYNAPTIC HEALTH ALLIANCE APPLICATION PROCESS

Eligibility Criteria

Node Hosting and Development

All members will be required to host their own blockchain nodes including:

- Hosting and managing servers running the selected blockchain stack
- Hosting a complete copy of the blockchain ledger

Founding Members should provide resources to contribute to use case development. Resources can include full time employees, data, and other expertise.

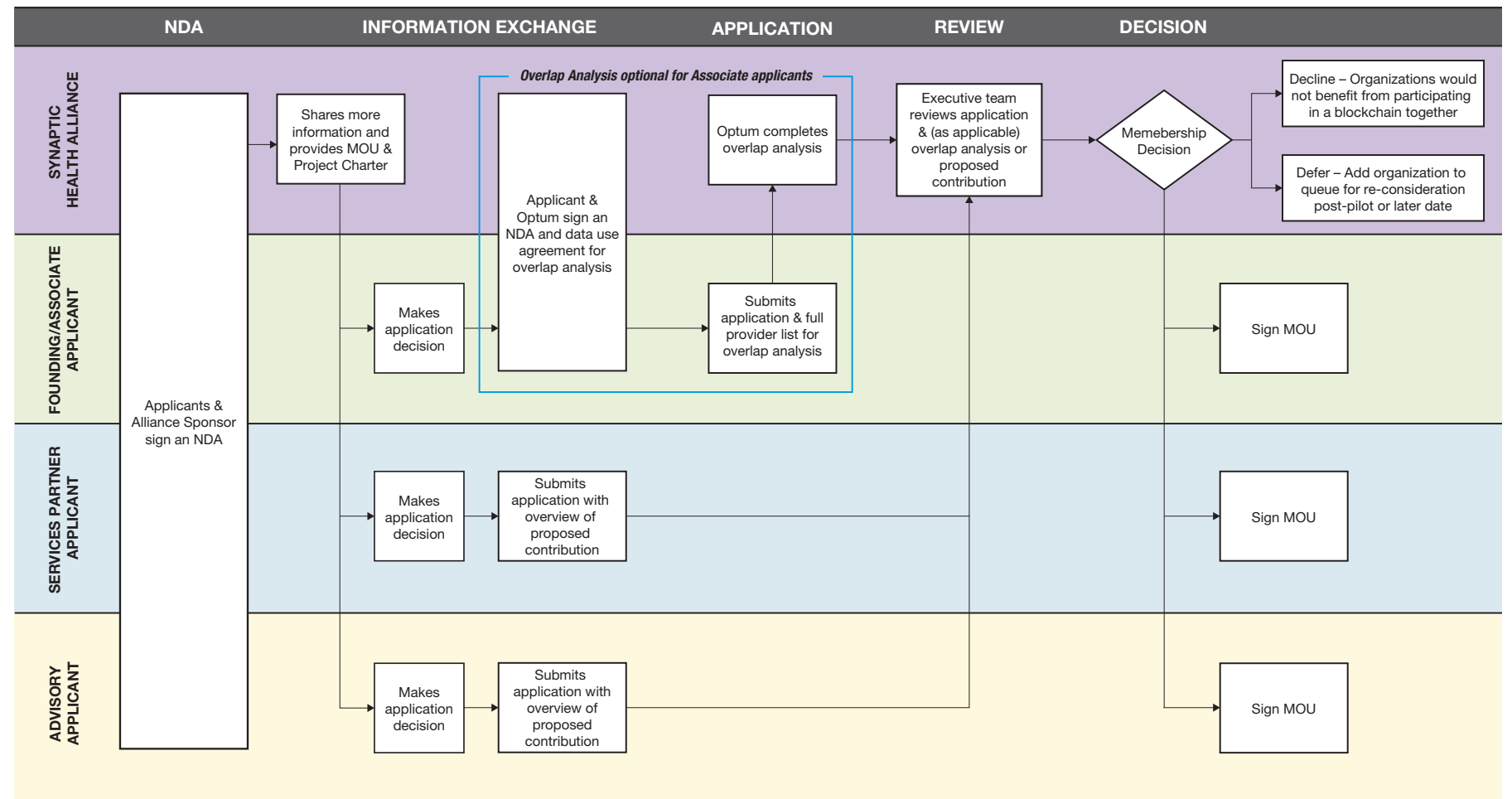
Overlap Analysis

In order to determine the whether or not a member and the alliance will both benefit from participation in the first blockchain use case (provider data management), new member applicants will need to submit a file for a provider overlap analysis.

Applicants must submit all network professional providers for their national network. The submitted list will be compared against the other founding members' lists to determine what percent of a company's provider base overlaps with another company's provider base.

Applying to be a part of Synaptic Health Alliance will require sponsorship from an existing member.

Applicant companies will need to sign a non-disclosure agreement (NDA) with their sponsor in order to have further discussions about the Alliance. Once the NDA has been signed, the sponsor will provide the applicant with more information and the Alliance's Memorandum of Understanding (MOU) for the applicant's review. If the interested company would like to move forward, they will need to submit an application as well as a full list of their provider networks in order to perform an overlap analysis. The Executive Team will review the application and overlap analysis, and if the company is approved, they will be invited to sign a MOU.



FREQUENTLY ASKED QUESTIONS

What is blockchain?

Blockchain is a shared, distributed digital ledger on which transactions are chronologically recorded in a cooperative and tamper-resistant manner. One of the best and simplest explanations is to compare it to a spreadsheet that gets duplicated multiple times across a network of computers, which is designed to regularly update the spreadsheet. The technology is most useful when loosely coupled or independent organizations want to confidently share and audit information and automate mutually beneficial processes.

How could blockchain technology help health care?

The potential is staggering given the need to improve and streamline how health care data is managed and ensure security, in addition to the opportunity the technology presents for collaboration across traditional industry and competitive boundaries. We have identified many potential uses for blockchain, including longitudinal health records, tracking assets, managing and exchanging data, and automating processes -- all with the goal of improving member, provider and payer experiences and removing cost from the health care system. However, for now, we are focused on piloting blockchain for the specific use case of provider directories, a critical element of healthcare delivery.

The Alliance has launched its first pilot program.

What does it involve?

The pilot program, which was announced in April 2018, seeks to determine if applying blockchain technology could help ensure the most current information about

health care providers is available in the provider directories maintained by health insurers.

What problem do you hope to solve?

State and federal laws, regulations and guidance require health plans to regularly update provider directories, such as monthly with some requirements being even tighter. Additionally, many of those same laws require insurers to contact every provider in their directories, sometimes as often as every three months, and make updates to those directories much faster than has been done in the past. The present model encourages potentially duplicative outreach and maintenance costs while creating silos of data. This pilot will examine how sharing data across health care organizations on blockchain technology can improve data accuracy, streamline administration, reduce costs and improve access to care.

How expansive is participation in the pilot program?

We believe this is the first blockchain initiative in health care to involve several national and international providers and payers, so the scale may be unprecedented. To keep the pilot manageable in scope, we will focus on one major geographic market and on a common set of providers across the Alliance members. Consumers in that market may see improved quality in the provider directories, and providers in that market may see fewer calls and e-mails from the payers to verify the provider's demographics. We will be tracking results for data quality improvements and potential cost savings.

What can we expect next from the Alliance?

Based on the results of the pilot, we will determine whether and how to put the program into actual production among the Alliance members. As for other uses for blockchain in health care, we have identified several and will consider them for future exploration. That list includes:

- Helping pharmaceutical and biotechnology companies monitor and track products and guard against counterfeit drugs;
- Longitudinal health records that allow patients access to all of their medical information regardless of which health plan or doctor was involved; and
- Streamlining the pre-authorization process for medical procedures.