

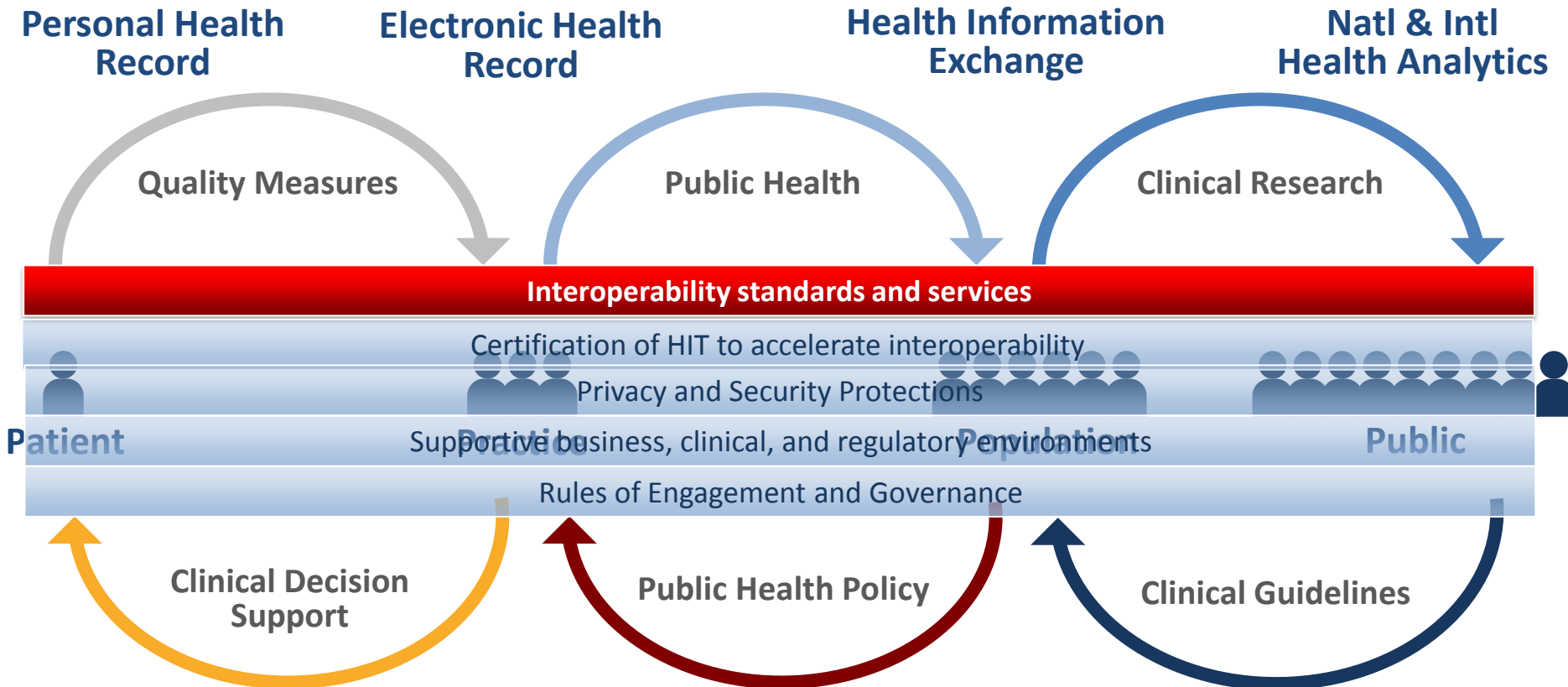


# The Learning Health System: Providing Context

Digital Learning Collaborative  
Institute of Medicine Roundtable on Value &  
Science-Driven Health Care

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# The Learning Health System



# Standard Interoperability

## “Building Blocks”

### Vocabulary & Code Sets

How should well-defined values be coded so that they are universally understood?

Semantic Interoperability



### Content Structure

How should the message be formatted so that it is computable?

Syntactic Interoperability



### Transport

How does the message move from A to B?

Information Exchange



### Security

How do we ensure that messages are secure and private?

### Services

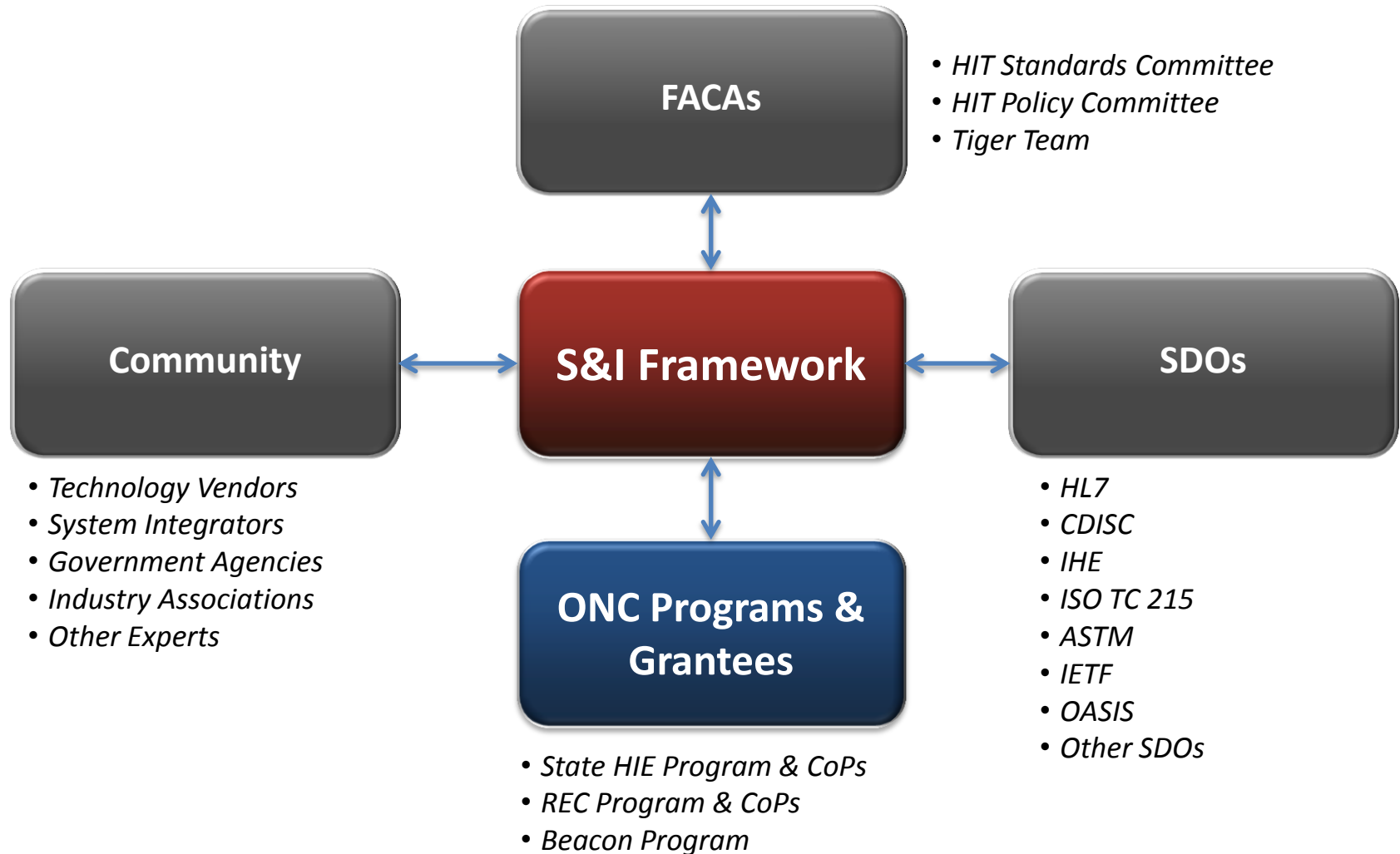
How do health information exchange participants find each other? (APIs)

# What is the S&I Framework?

- The Standards and Interoperability (S&I) Framework represents one investment and approach adopted by the Office of Science & Technology (OST) to fulfill its charge of prescribing health IT standards and specifications to support national health outcomes and healthcare priorities
- The S&I Framework is an example of “government as a platform”– enabled by integrated functions, processes, and tools – for the open community\* of implementers and experts to work together to standardize



# S&I Framework Community Participation



**ONC website:**

[www.healthit.gov/](http://www.healthit.gov/)

Putting the I in HealthIT 

**S&I Framework Wiki:**

<http://wiki.siframework.org/>

 **S&I FRAMEWORK**