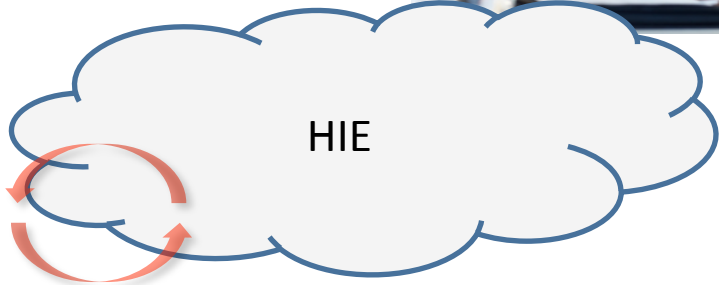
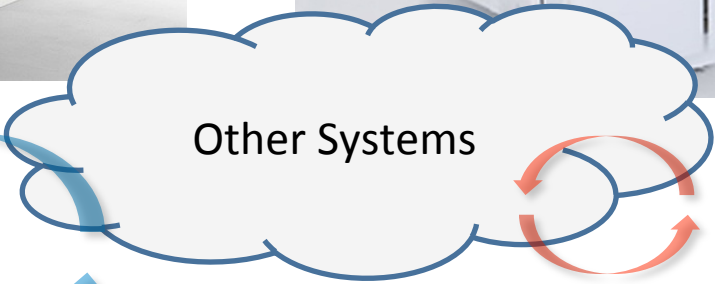


Operationalizing Health Data Interoperability

J. Marc Overhage, MD, PhD

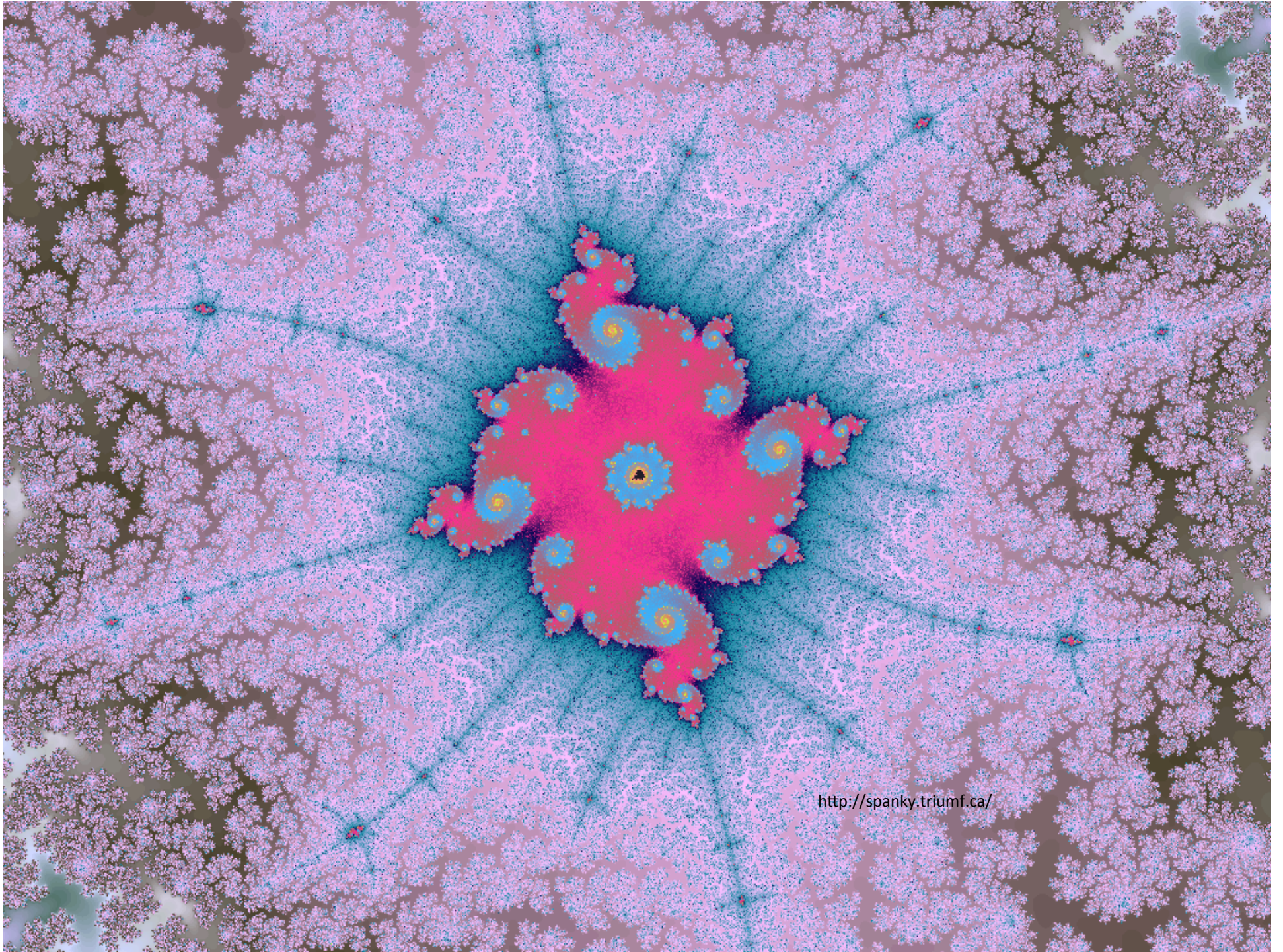
Chief Medical Information Officer

Siemens Health Services



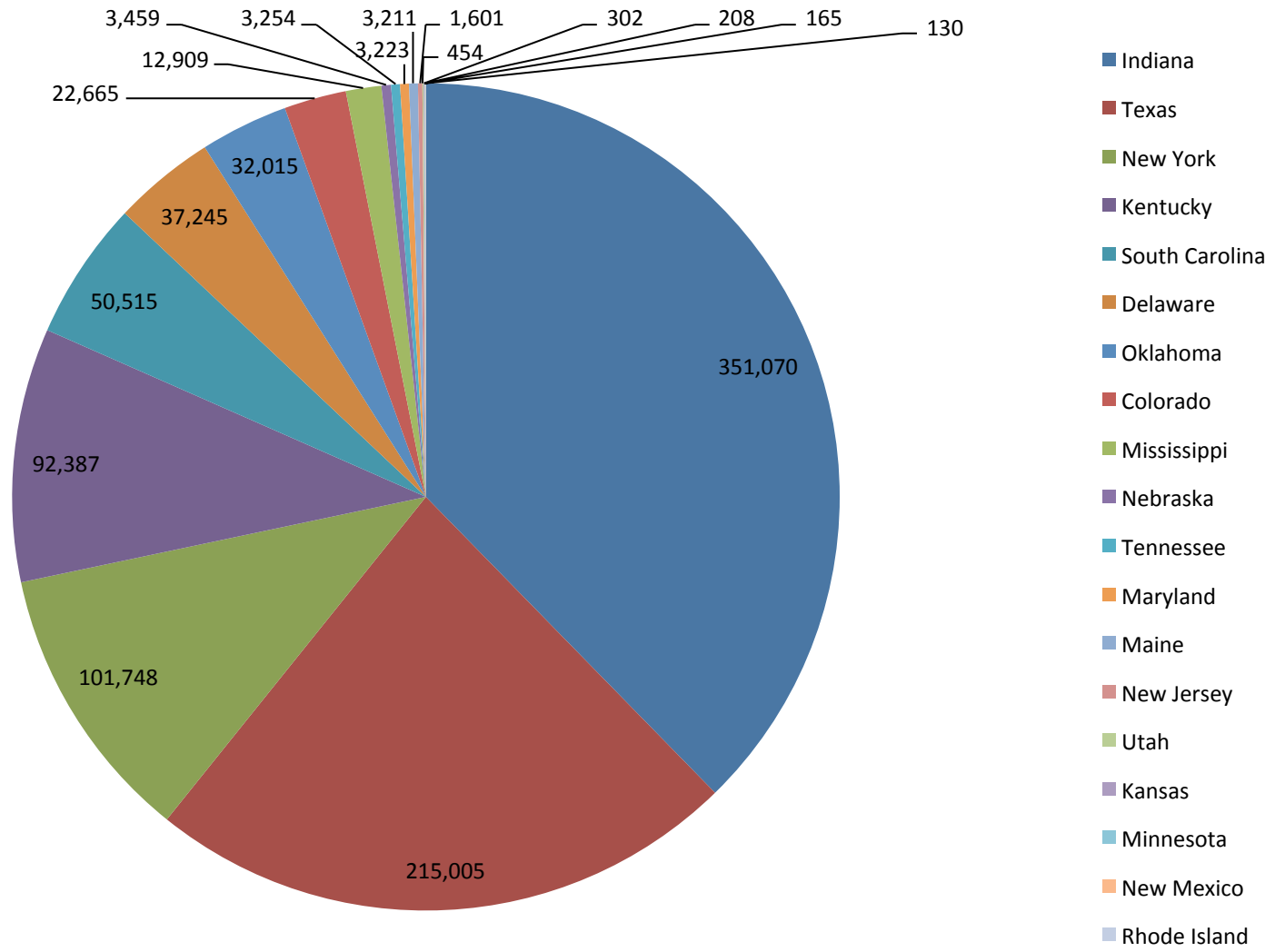
Models of Change

- Crisis
 - A sudden crisis causes fundamental change
- The Tipping Point
 - Pressures build to an inflection point of change
- Glacial Erosion
 - Steady growth of grinding, inexorable, and hard to resist pressures
 - Aging
 - Technology
 - Unaffordability
 - Disparities
 - Tiering

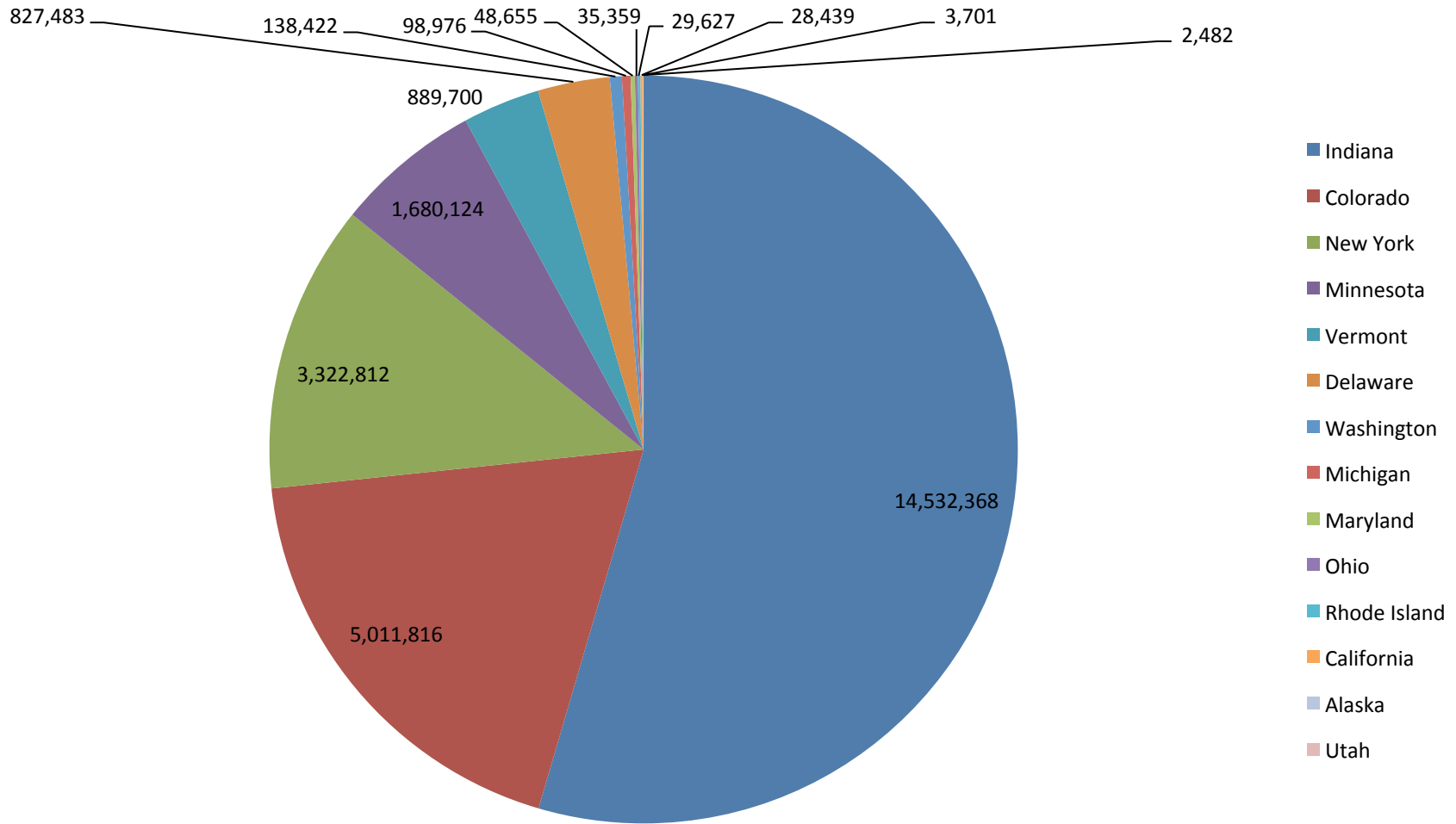


<http://spanky.triumf.ca/>

Query Based Exchange



Directed Exchange

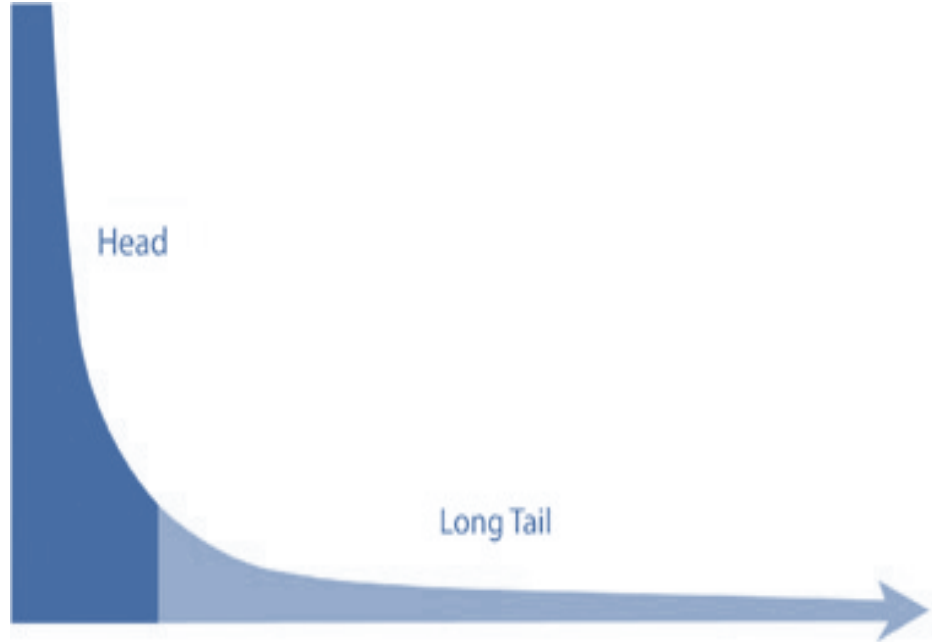


What works

- Secure pipes (think VPN)
- Organization to organization trust relationships
- Thoughtfully prioritized mapping
- HL7 v2
- Patient matching

What is still hard

- Comprehensive mapping and maintenance
- Harmonized value sets (but coming along)
- Understanding multiple information models
- Translating between information models (some progress)
- Provider matching
- Location identification
- Federation of trust relationships





The patient is waiting!