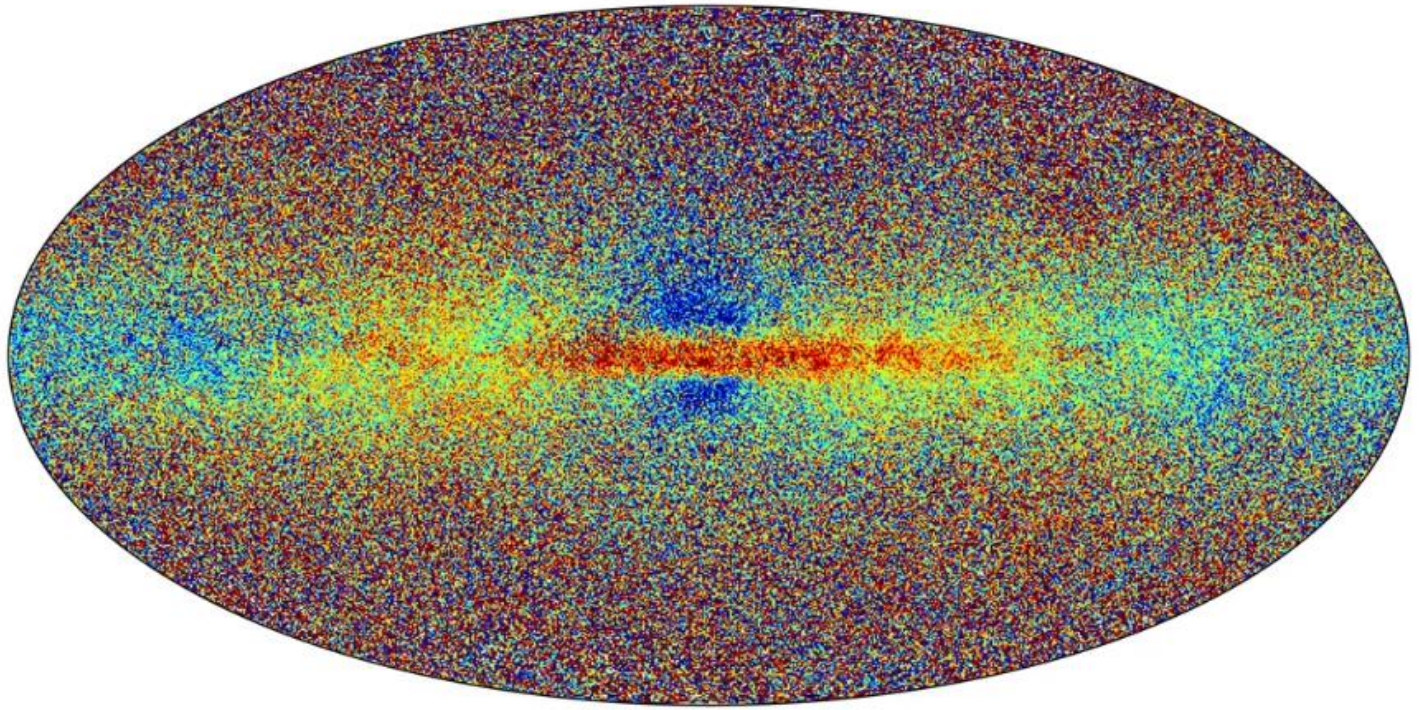
NATIONAL Minority Quality Forum

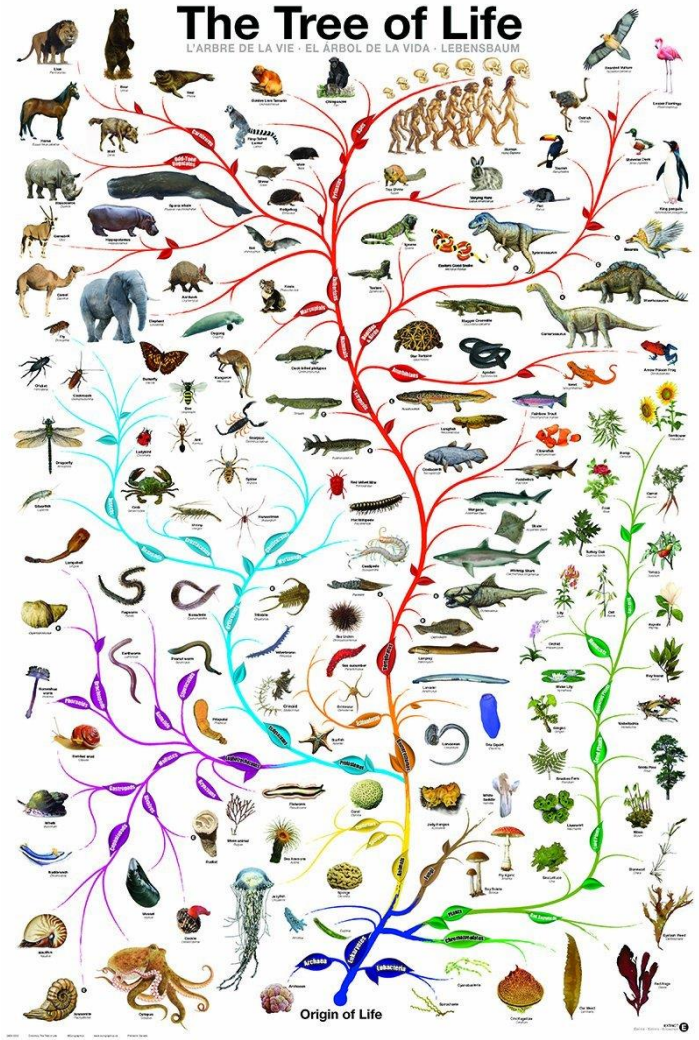
Conserving Sentient Life:
The Role of Data

From Earth We Can See 26 Million of the 100 Billion Stars in the Milk Way Galaxy



European Space Agency has created the most accurate and complete multidimensional map of the Milky Way

Evolution Forged the Entirety of Sentient Life on Earth by Using Only One Tool…a Mistake*



Our evolutionary history shows that many key adaptations — not just intelligence, but complex animals, complex cells, photosynthesis, and life itself — were unique, one-off events, and therefore highly improbable. Our evolution may have been like winning the lottery … only far less likely.

The universe is astonishingly vast. The Milky Way galaxy has more than 100 billion stars, and there are over a trillion galaxies in the visible universe, the tiny fraction of the universe we can see. Even if habitable worlds are rare, their sheer number — there are as many planets as stars maybe more — suggests lots of life is out there. So where is everyone? This is the Fermi paradox. The universe is large, and old, with time and room for intelligence to evolve, but there's no evidence of it.

*Dr. Robert Ford, Westworld

Humans May Be the Only Intelligent Life in Our Galaxy and Perhaps the Universe

Conserve Sentient Life

Data and the Centrality of Life

Use of Data:

✓ Conserve Life
- ❖ Increase Data Access
- ❖ Manage Population Health
- ❖ Clinical Care
- ❖ Healthcare Provisioning
- ❖ Eliminate Inequities
- ❖ Innovate
- ❖ Cost

Data Use In our Legacy Healthcare System
Where the Exceptionalism of Life is not Prioritized

Use of Data:

✓ Manage Financial Risk
- ❖ Control Cost
- ❖ Ration Care
- ❖ Limit Data Access
- ❖ Clinical Outcomes
- ❖ Preventive Services
- ❖ Manage Population Health

The Data Problem

Americans are creating massive amounts of value each day through their data.

The problems we are currently facing with data usage primarily stem from the fact that data's value is not being shared back with its creators.

Returning that value to individuals is challenging, and individual data is worth less than aggregated data.

The Big Data Challenge for Patient Advocate Organizations

Big data and machine learning are powering health care as medicine is increasingly digitized.

Health-care data is voluminous, dynamic, and complicated to manage. It is also costly to maintain and requires expertise to access and use big data analytics to study.

The majority of tools available to work with Big data are complex and hard to use, and most organizations don’t have the in-house expertise to perform the required data analysis and manipulation to draw out the answers that are sought.

Patient Advocacy Learning Communities (PALc): An Overview

PALc is an interactive, data warehouse and data visualization system that is designed to give patient advocates the power of big-data analytics in a user-friendly environment at a price that is affordable.

PALc data sets draw upon the National Minority Quality Forum's 5 billion patient records, which permits custom built data archives that provide a comprehensive view of health-care patterns and utilization over multiple years for user specified condition(s).

PALc permits querying the customized data archive through point-and-click analytical tools that require only basic internet skills.

PALc also offers more sophisticated users analytical tools (including augmented intelligence) to more deeply explore these data sets.

PALc provide communities tools where cross functional teams can discovery and quickly share new knowledge.

mypalc

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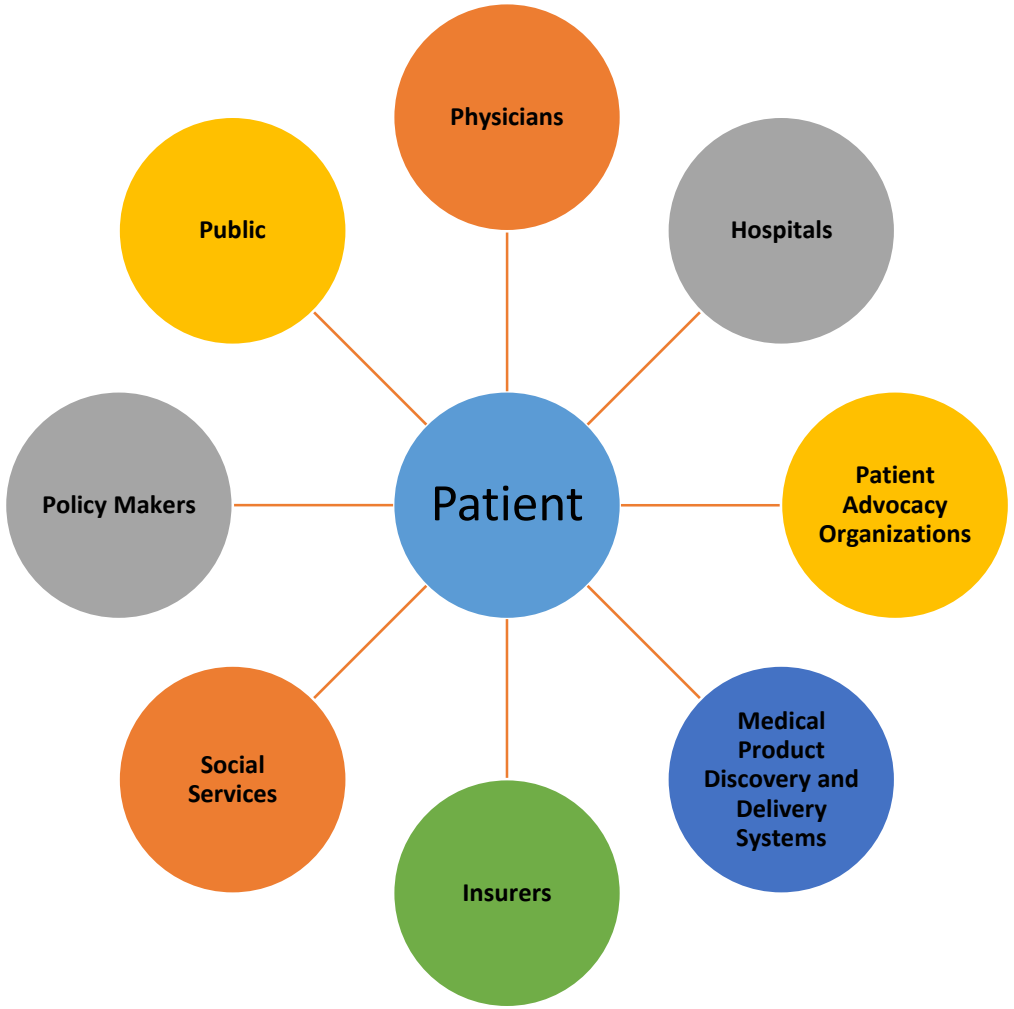
- DEMO
- DIABETES
- ENDOMETRIAL CANCER
- HEART FAILURE
- HUNTINGTON'S DISEASE INDEX

Data Driven Community-Based Collaborative Care Network

Data Driven Care =



= Patient Outcome

Conserving Sentient Life Requires us to be Woke

The task for humanity in the 21st Century is clear: **Conserve Sentient Life**.

It is an existential task that has to be data driven. It is not an optional initiative.

It must be our prime directive. It cannot be subordinated to other objectives

If we fail, sentient life will certainly disappear from our solar system, possibility the Milk Way and may be even the Universe.