



Data, a driver of innovation

We can help make communities
healthier and safer around the world

Michael Simpson

Chief Executive Officer

April 2024

clinisys

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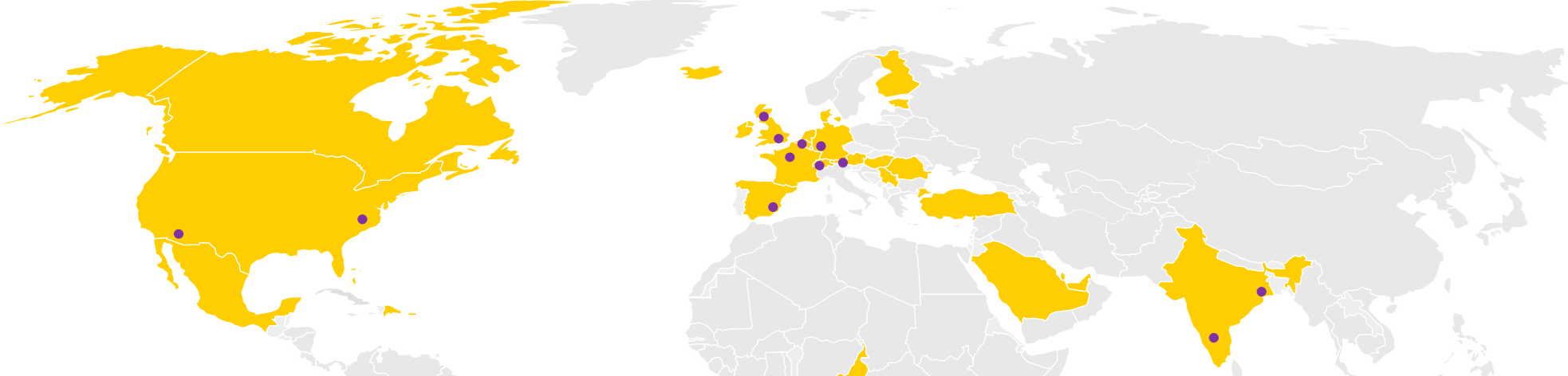
Why we do what we do!

To help make communities healthier
and safer around the world.

- Leading innovation in laboratory informatics
- Both inside and beyond the walls of laboratories
- Safeguarding health and safety around the globe



Clinisys, global scale and expertise



39

Countries across North America, South America, UK, Europe, Middle East, and Australia



4,000+

Customers worldwide using Clinisys solutions



#1

Global clinical laboratory information systems provider
(source: Signify Research)



20%

Clinical laboratories worldwide use our information systems
(source: Signify and Clinisys Research)



45+

Years of laboratory informatics experience



12

Offices and support centers serving customers worldwide across products in 5 languages



1,450

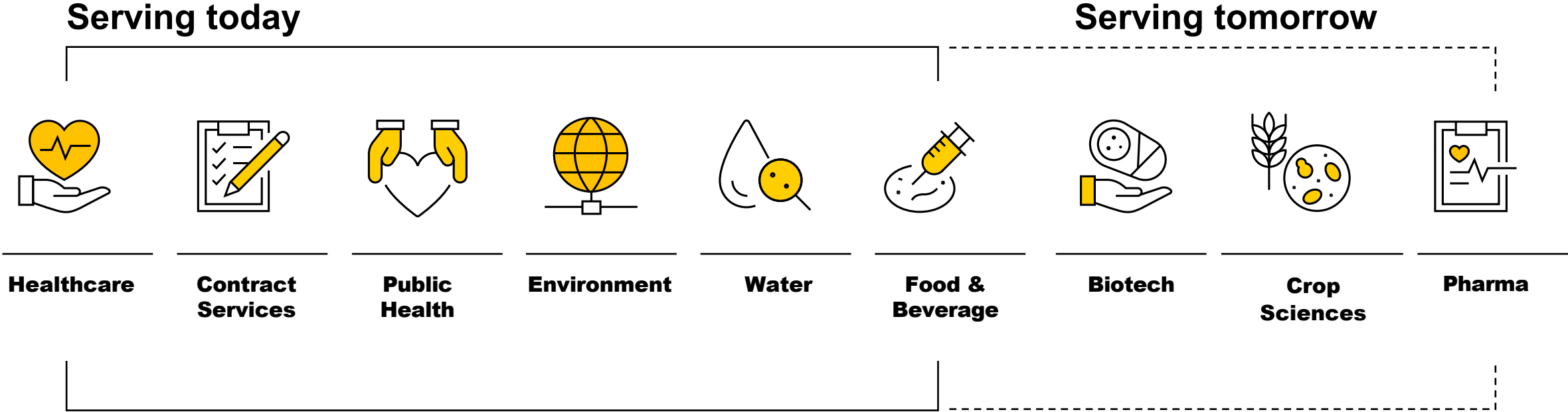
Lab informatics professionals based in 12 countries



22

Specialist disciplines supported across 9 major lab industry sectors

The laboratories we serve



We serve all sizes of lab operation: scaleups, enterprise, regional, national, country-wide

Health drivers are only discoverable in the data

Many of the things that impact our health and safety that have yet to be identified, monitored, or regulated - within the data are all the indicators....

- Just a few headlines...

- Autoimmunity has reached epidemic levels

- Addison disease
- Celiac disease
- Dermatomyositis
- Graves disease
- Hashimoto thyroiditis
- IB (Crohn disease, ulcerative colitis)
- Multiple sclerosis
- Myasthenia gravis
- Pernicious anemia
- Reactive arthritis
- Rheumatoid arthritis
- Sjögren syndrome
- Systemic lupus erythematosus (lupus)
- Type I diabetes

- Autism rising at an alarming rate, 1 in 36 (2020)

1 in 150 (2000)

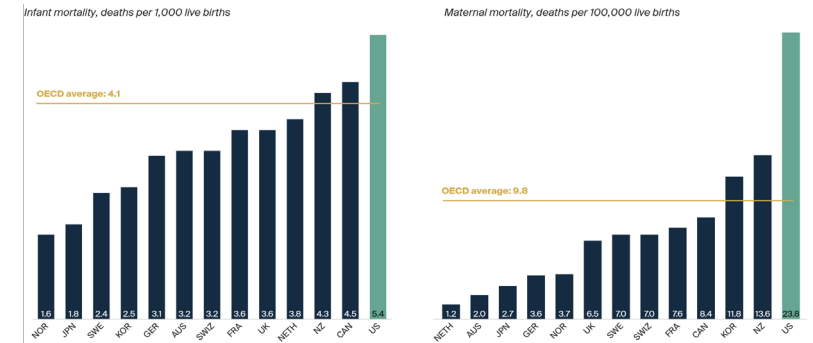
- Assisted Reproductive Technology babies 50% increase since 2012 (2.4% in 2023)

- Mental illness in Women up 22.2%, Men up 6.76%

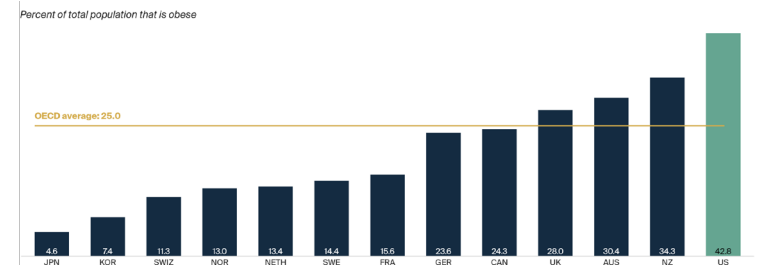
- U.S. life expectancy in decline

- What is behind the degradation of our Health?

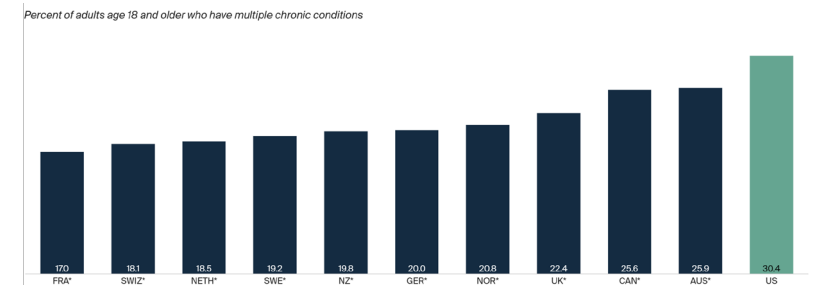
The U.S. has the highest rate of infant and maternal deaths



The U.S. obesity rate is nearly double the OLCG Average



Adults in the U.S. most likely to have Multiple Chronic Conditions



Could it be?

- **Air, Food, Environment, it is not just about Genetics?**

Legal in the USA banned in other countries

- High Fructose Corn Syrup
- Red Dye 40
- Yellow Dye 5
- GMOs (Genetically Modified Organisms)
- Potassium Bromate
- Olestra
- rBGH (Recombinant Bovine Growth)
- BHA (Butylated Hydroxy anisole)
- BHT (Butylated Hydroxy toluene)
- Acesulfame Potassium
- BVO (Brominated Vegetable Oil)
- Chlorpyrifos
- Carrageenan
- Neonicotinoid Insecticide
- Partially Hydrogenated Oils
- CO Treated Meat
- Chlorinated Chicken
- Azodicarbonamide



[PFAS Explained \(aquagga.com\)](http://aquagga.com)

Study Finds Microplastics In 93% Of Bottled Water

Lowest & highest number of plastic particles found per liter of bottled water (location & brand)

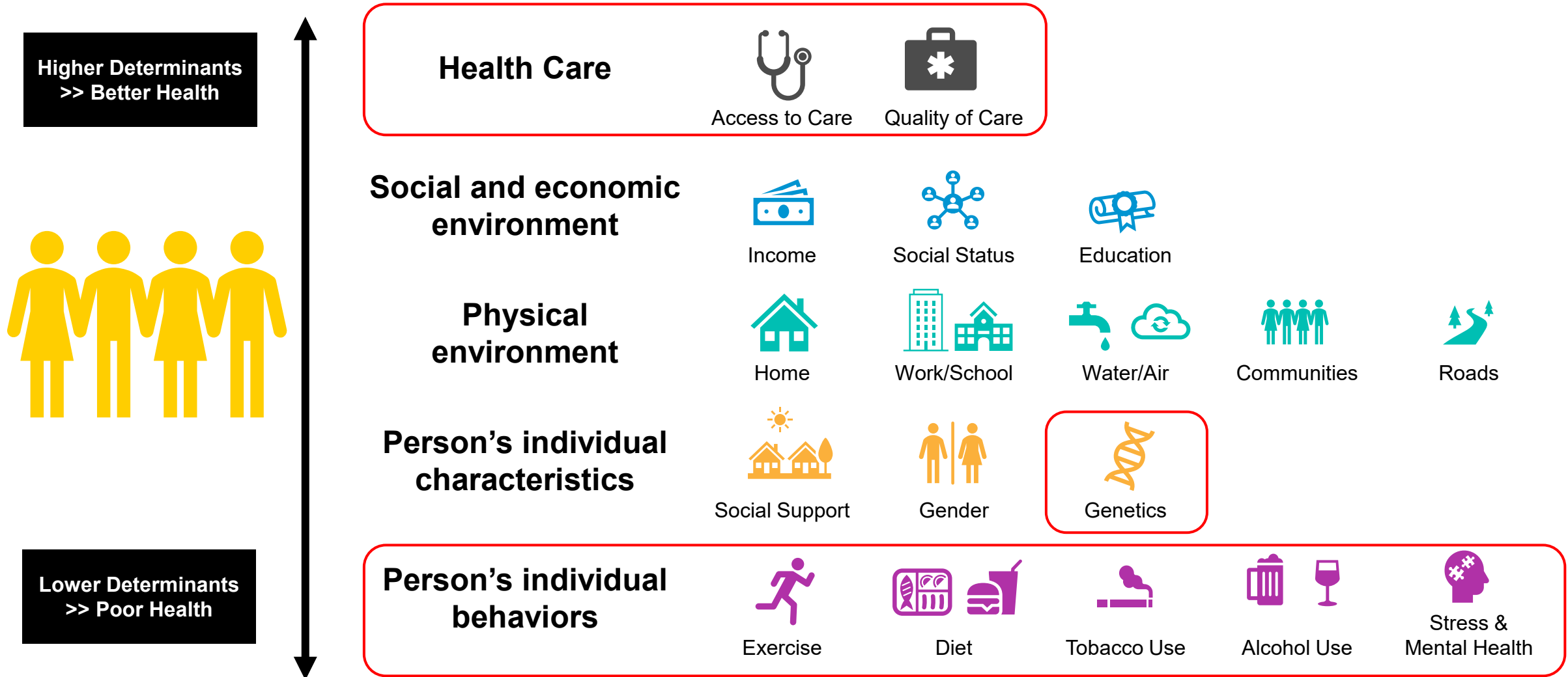


n=259 bottles from 11 brands across nine countries. Plastic discovered included polypropylene, nylon, and polyethylene terephthalate.
 @StatistaCharts Source: Orb Media

Forbes statista

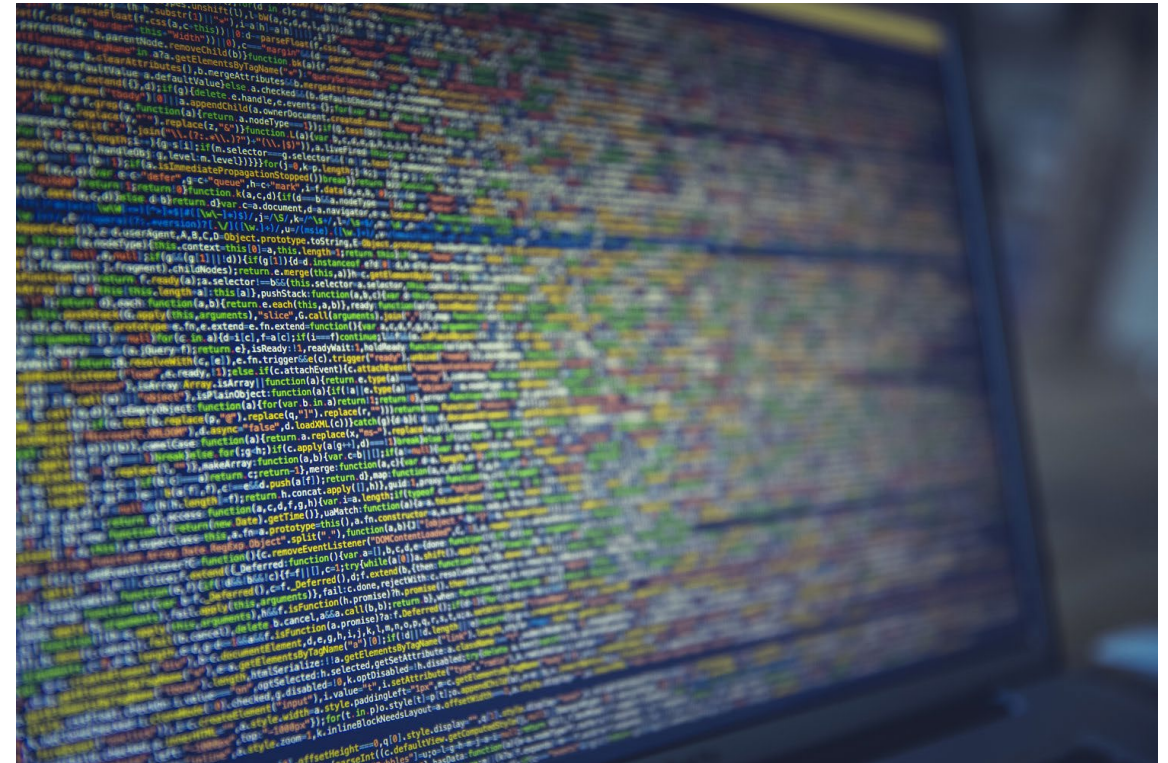
[Study Finds Microplastics In 93% Of Bottled Water \[Infographic\] \(forbes.com\)](https://www.forbes.com/infographic/microplastics-in-bottled-water)

Determinants of health



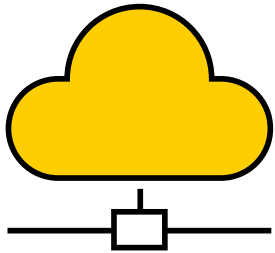
The untapped data repository

- The combination of data from the world's leading **scientific and healthcare laboratories**, is the largest untapped repository of health and safety information in the world!
- Data is the biggest driver of innovation in the health and safety
- You have the power to change the world!
- Why aren't we?
 - We are too focused on episodic
 - We are too focused on patient centric



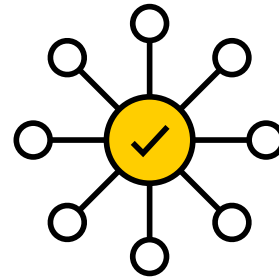
<https://newzealand.ai/insights/the-largest-data-repository-in-the-world>

The data journey



SaaS

The catalyst for laboratory modernization and the route to modernization and efficiency



Data Centric

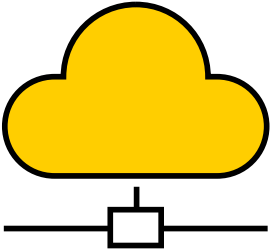
The route to achieving the productivity benefits of automation and GenAI



GenAI and Analytics

Gather actionable insights in real-time, identify trends and patterns to predict outcomes

SaaS, move to the cloud



The cost of legacy



Competitive pressures

- Slow to adapt to change
- Missing commercial opportunities



Financial penalty

- CAPEX to OPEX
- Hardware/software contract consolidation



Technology deficit

- Outdated applications
- Limited maintainability
- Unable to adapt to remote or hybrid working



Cybersecurity threats

- Data breach risks
- Limited capability to resist GenAI threats
- Inability to control access

Retain and transform your data and assets

Modernization

- Web-based accessibility anywhere
- Access to cutting-edge technologies like GenAI



Optimization

- Reduced operating costs
- Greater value from technology investments



Agility

- Ability to scale
- React quickly to changes in lab services and regulations



Security

- Industry standards including: ISO and SOC
- Granular identity and access management with cutting edge data encryption



The benefit of moving to the cloud

Data Centric

- Data...
 - is your most valuable asset, it is the product
 - is a permanent asset that drives your business decisions
 - is a driver of operational excellence
 - is a driver for future health and safety innovation
 - Is a driver of future revenue streams
- Operate a high-precision, high-volume data factory
 - Lean Six-Sigma
 - Kaizen
 - Andon
 - Quality
 - Accuracy



Created with CoPilot Designer powered by DALL-E3

The laboratory community is critical to health

- Healthcare lab data + Scientific lab data = Healthier and Safer communities
- Get to know your public health and environmental laboratory partners
- By working together, we can change the health of the world
- With GenAI you can utilize Healthcare + Scientific data to change the world!
- 100s of publicly available data sets:
 - EPA
 - USGS
 - DOD/DOE
 - USDA
 - FDA
 - CDC
 - CMS
 - CLIA
 - DOT
 - NRC
 - HHS
 - Dozens and dozens more....

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Enabling healthier communities

[Clinisys.com](https://www.clinisys.com)

Future state, move to be a data centric the GenAI-powered laboratory

Realize the benefits of Clinisys Laboratory Solution™ (CLS) on the cloud:

- Drive laboratory modernization, efficiency and productivity
- Harness the benefits GenAI and ML with a data-centric strategy
- Apply advanced security protocols and data access
- Optimize costs and scale with elastic resources
- Greater visibility of costs and hardened security protection



Advanced GenAI and analytics

- Advanced analytics
- Predictive modelling
- Identify trends and patterns



Data integrity and quality

- Automated data validation
- Improved data traceability
- Enhanced data security



Automated tasks

- Automatic data entry
- Robotic sample processing
- Automated report generation



Optimized process

- Single source of truth
- Realtime data sharing
- Collaborative workspaces



@ Clinisys we are a secure partnership

Clinisys is constantly innovating with our customers to deliver solutions that meet the needs of today whilst anticipating opportunities of tomorrow. By focusing on advancing the capabilities of the modern laboratory, we enable efficient processes to the highest of standards.

45

years of sustained growth and profitability, established in 1979

20%

of clinical laboratories worldwide use our information systems

7

certificates and standards compliance showcasing strict Regulatory and Security policies

- ISO 13485/9001/MDSAP, 27001, 20000
- Cyber Essentials Plus
- Esquema Nacional de Seguridad aka ENS
- SOC 2 Type 2

2012

Clinisys acquired by Roper Technologies (Nasdaq: ROP).

Roper established in 1890
~\$7Bn in revenues from market-leading niche businesses

39

countries supporting our customers worldwide across products delivered in 5 languages