



MAYO CLINIC PLATFORM_

Harnessing the power of platform thinking to transform healthcare

Mayo Clinic by the numbers

No. 1

Ranked healthcare
organization in the world

53M
People reached
through Mayo
Clinic Platform

85K+
Staff

50 135
States Countries

320+
AI algorithms
in the Practice

\$1.3B
Research funding

150K
Surgeries a year

Integrated deep multimodal and longitudinal data

36

Petabytes of data

30

Years of patient history



Imaging Data

- 3.9B MRI images
- 2.6M GI Endo images
- 3M Eye images
- 630M PET scan images
- 128M Echo images
- 325M Ultrasound images
- 99M X-ray images
- 26M Mammography images
- 8.1B CT scan images
- 19M Pathology images



Omics Data

- Genetic Variants
- Multi-Omics
- RNA Seq.
- Raw VCF & BAM



Waveform Data

- 121K Electroencephalogram (EEG)
- 10M Electrocardiogram (ECG)
- 11M Electromyography (EMG)



Research Data

- 100K Whole Exome Seq.
- 50K BioBank
- 3K Brain Bank
- Research Registries
- Prospective Trials



Structured

- 4.9B Lab tests
- 21B Flowsheets
- 255M Appointments
- 9.5B Vitals
- 826M Medications
- 705M Encounters
- 2B Procedures
- Many More



Unstructured

- 1.7B Clinical Notes
- 20M Pathology Reports
- ECG Reports
- 280K Cardiac Cath Reports
- 50M Radiology Reports



Admin Data

- 152M Claims
- Safety and Quality

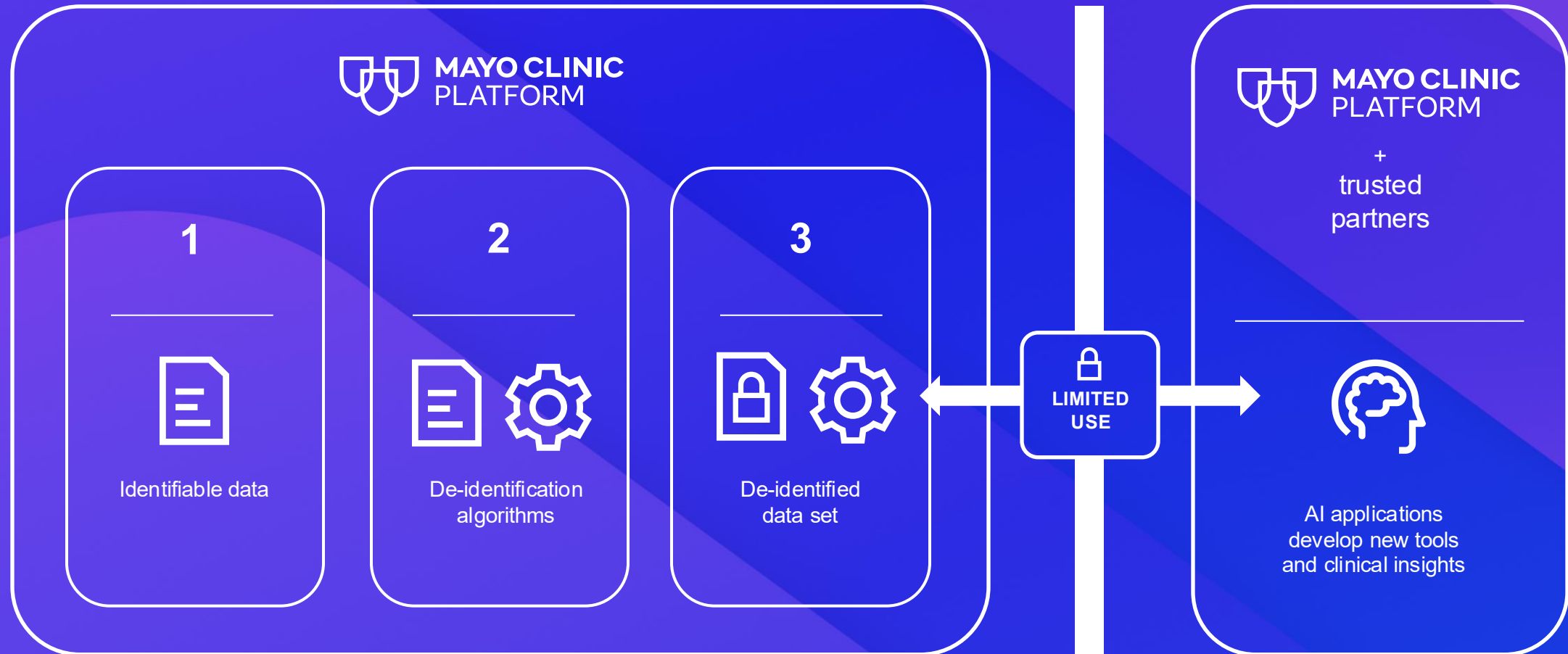


Device Data

- Med Devices
- Supplies
- Wearable Devices
- Patient Monitoring

Protecting patient privacy and intellectual property

(Privacy is embedded in platform architecture)

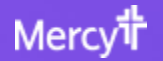


What's possible?

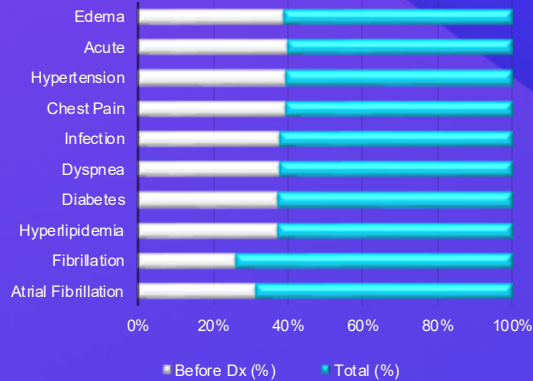
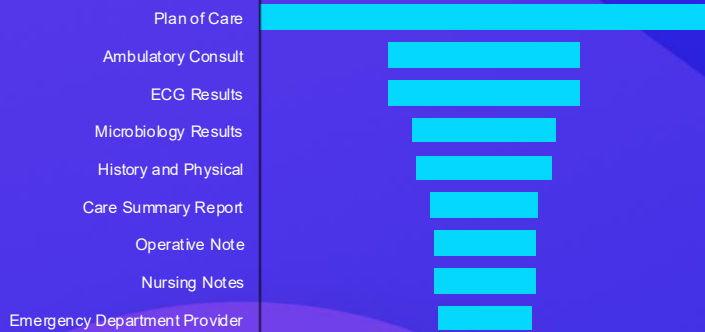
Heart disease data snapshot

Rich clinical real-world data

Datasets

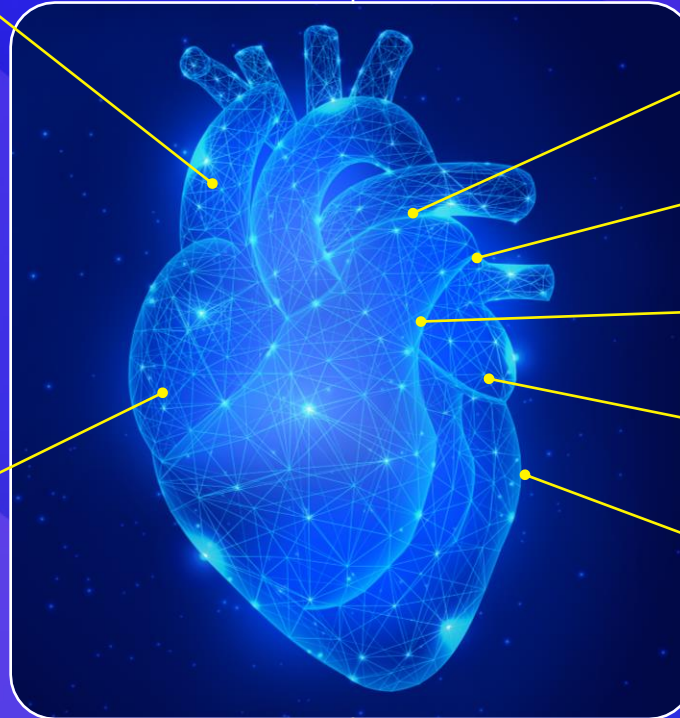


Clinical Notes

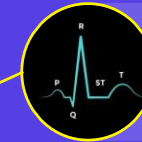


Patient Population

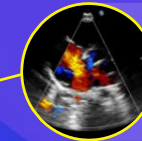
240,209



Procedures and Labs



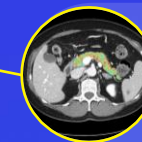
Electrocardiograms
220,186



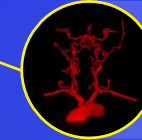
Echocardiograms
200,781



Chest X-Rays
180,201



CT Scans
145,998



Angiograms
71,362

Average time pre-diagnosis

12.9 years

Average duration

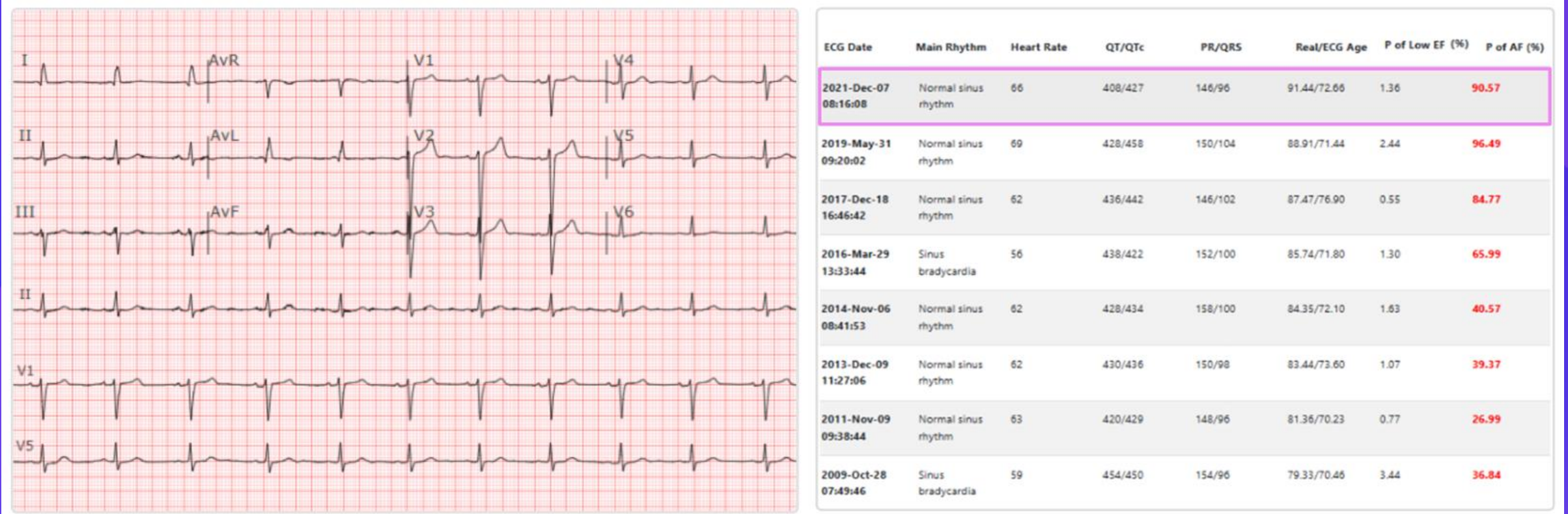
19.5 years

Average time post-diagnosis

8.4 years

Domain > Cardiology > Heart Failure

Detect Atrial Fibrillation risk ahead of any event using AI-ECG

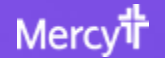


Although all ECGs showed a normal rhythm, the AI-ECG indicated a clear trend toward an increased risk of atrial fibrillation.

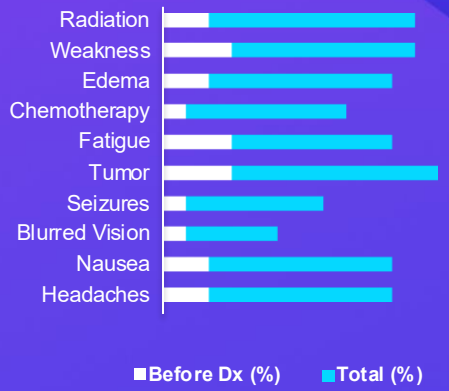
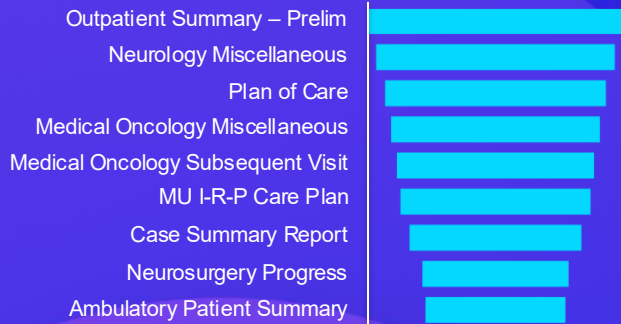
Glioblastoma data snapshot

Rich clinical real-world data

Datasets



Clinical Notes

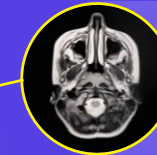


Patient Population

8,673



Procedures and Labs



MRI of the Brain
14,667



Immunohistochemistry
8,001



Craniotomy
5,390



C-Reactive Protein (CRP)
3,436

Average time pre-diagnosis

6.0 years

Average duration

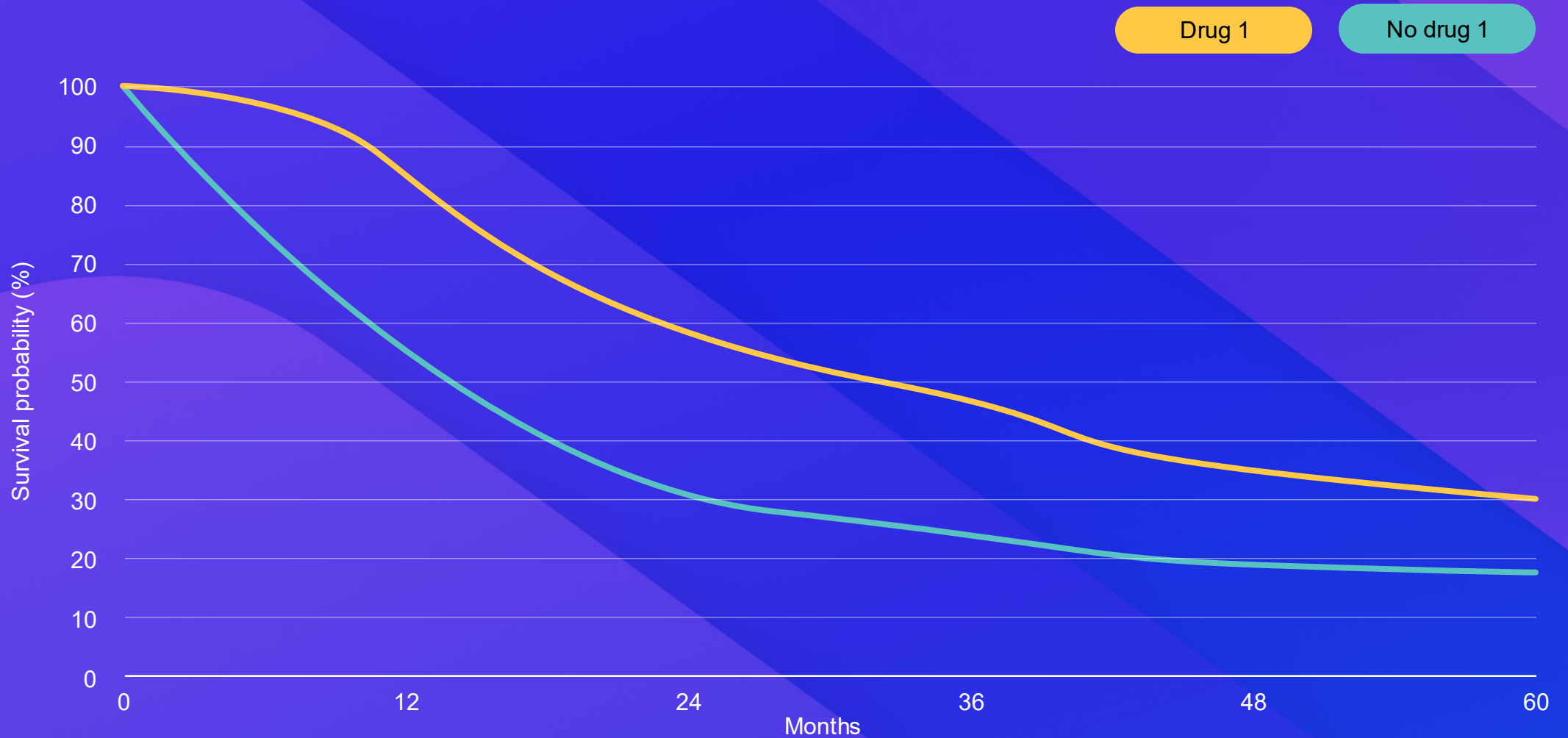
15.9 years

Average time post-diagnosis

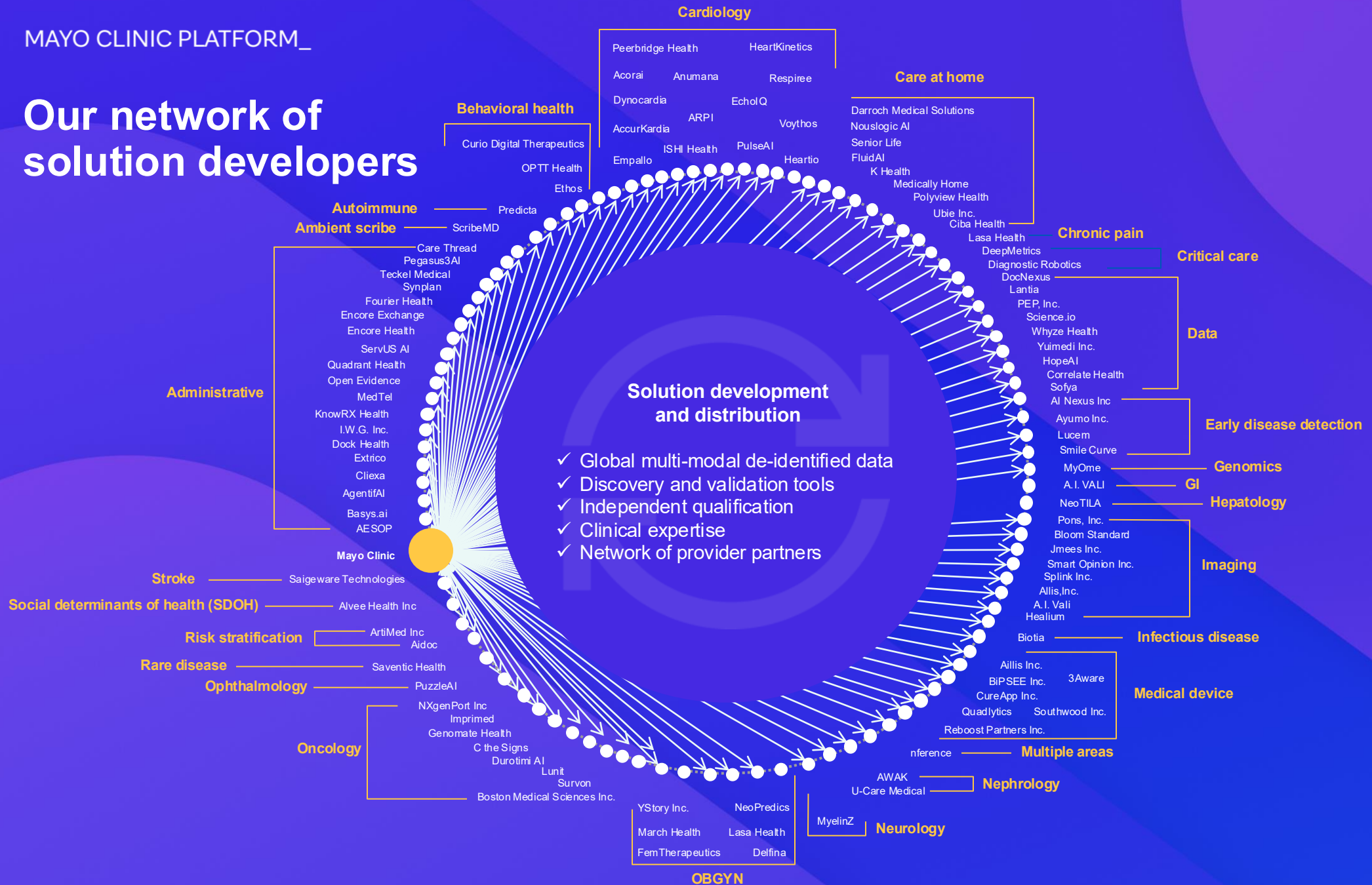
9.9 years

Domain > Neurology > Glioblastoma

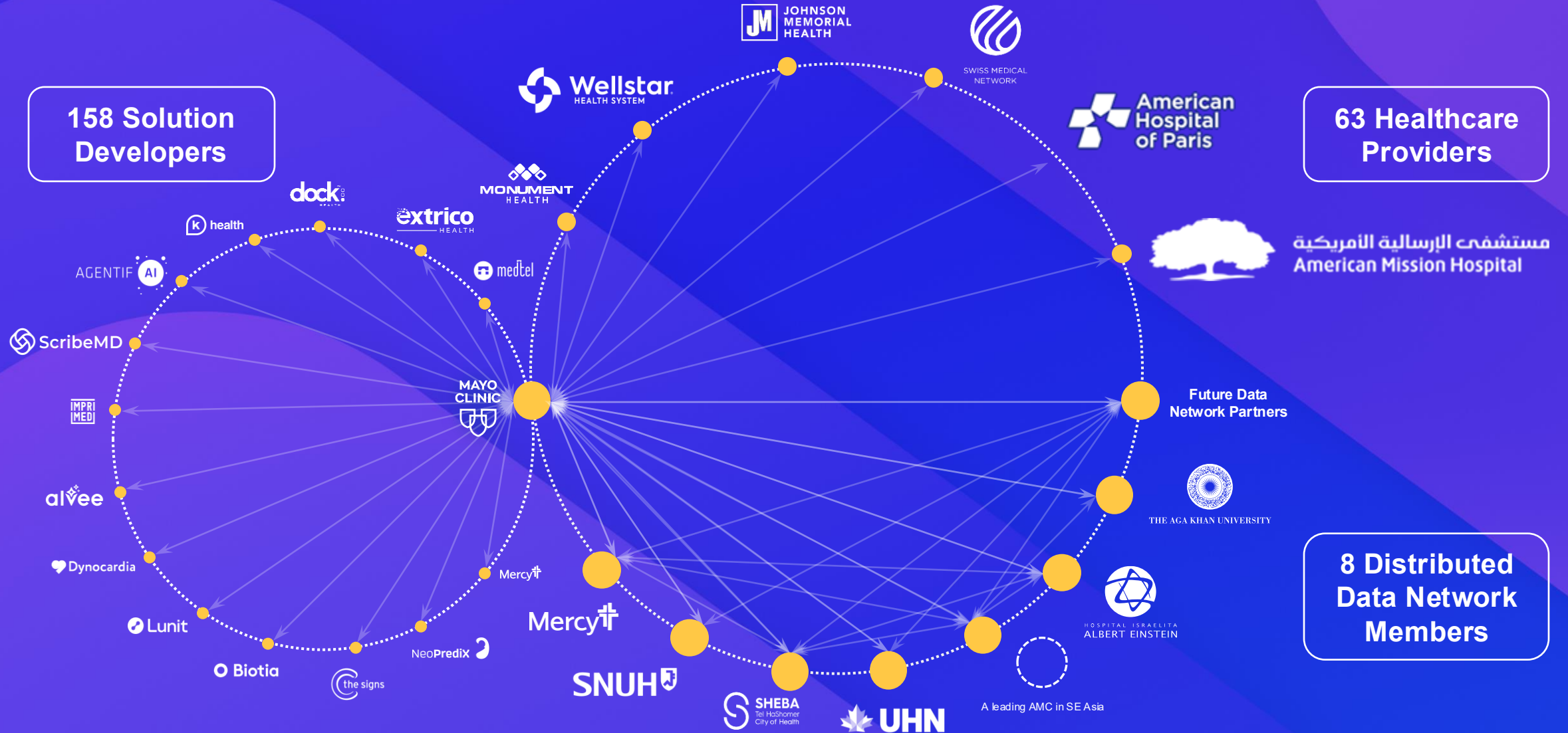
Platform Insights: What influences survival in patients diagnosed with glioblastoma



Our network of solution developers



Mayo Clinic Platform is the first comprehensive healthcare platform



Collaboration at global scale to deliver more diverse insights



Mayo Clinic campus



Mayo Clinic Care Network members



Mayo Clinic Platform_Connect partners



Mayo Clinic Platform_Insights collaborators

29M

De-identified lives

48K

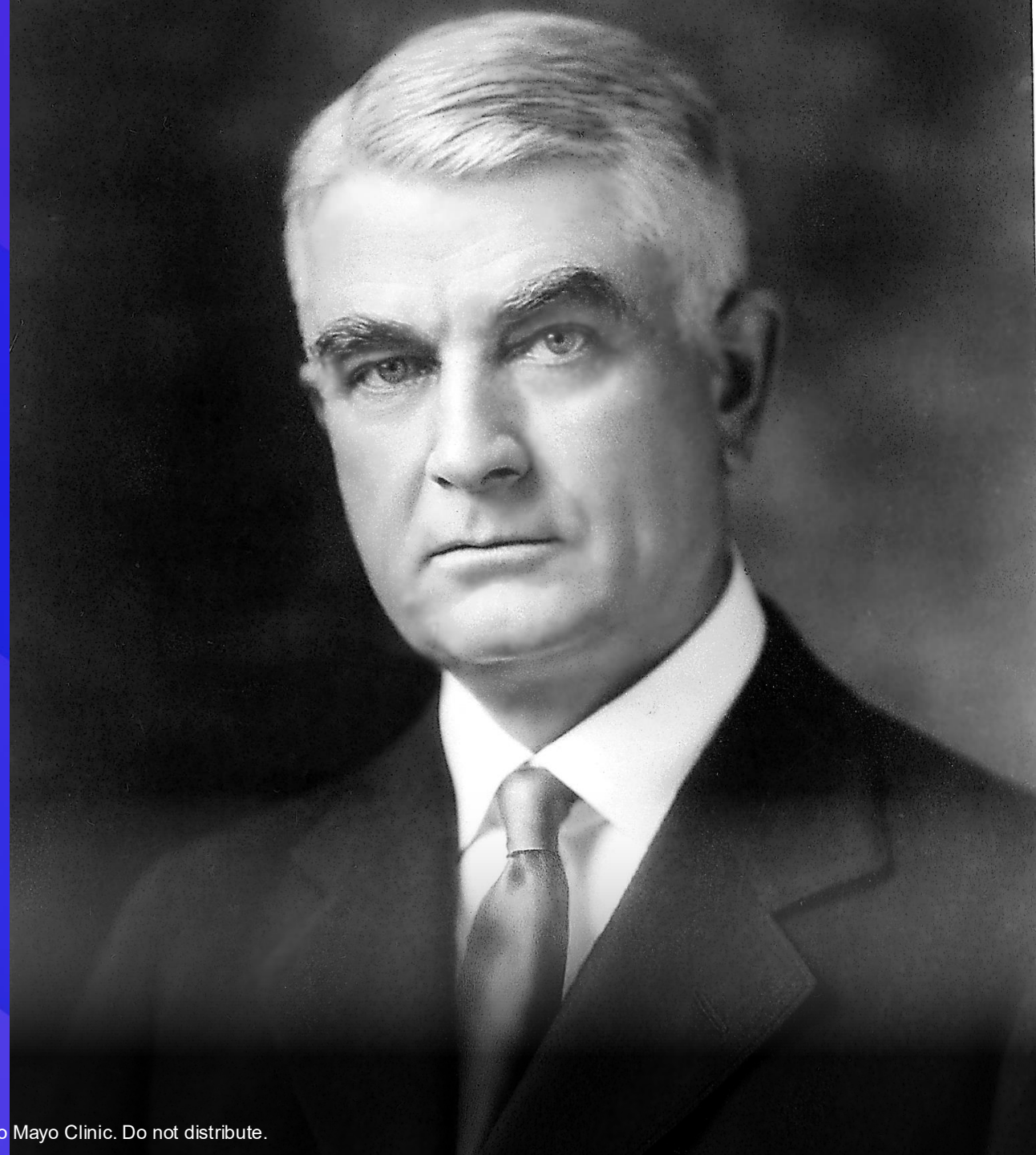
Staffed hospital beds
Mayo Clinic Care Network and
Mayo Clinic Platform_Connect

19M

Annual patients seen across
provider network ecosystem

“The **best interest of the patient** is the only interest to be considered, and in order that the sick may have the benefit of advancing knowledge, **a union of forces is necessary.**”

- William J. Mayo, M.D.





Together we can
**transform
healthcare**