

NIAID Data Science and Big Data

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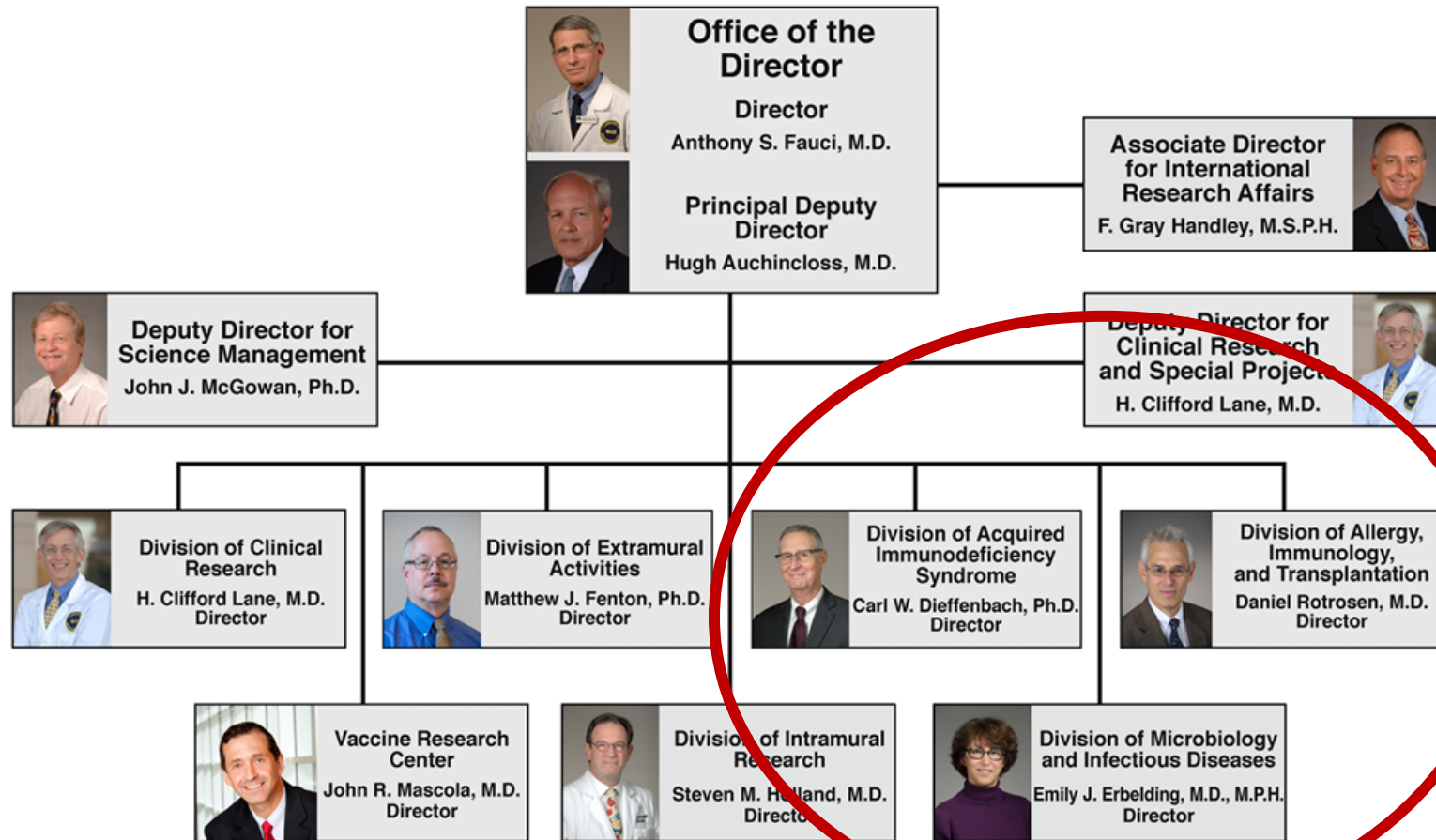


National Institute of
Allergy and
Infectious Diseases



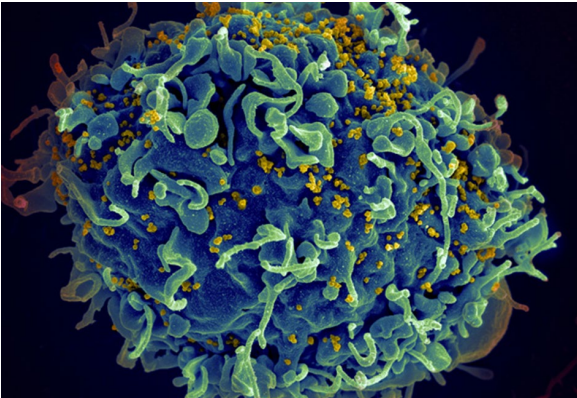


NIAID Organizational Structure



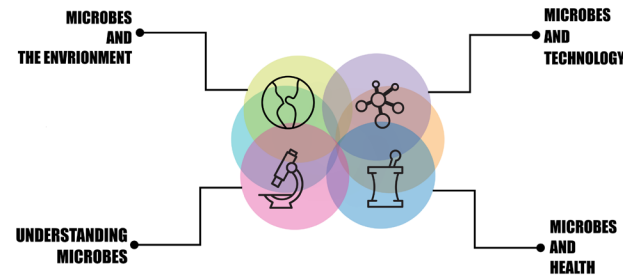
DAIDS

Division of AIDS



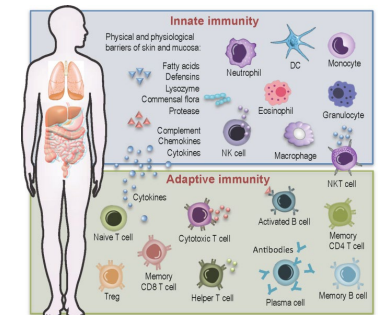
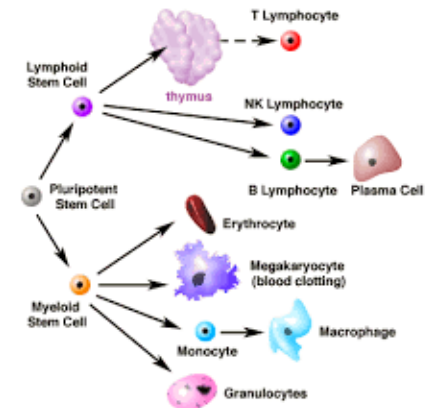
DMID

Division of Microbiology
and Infectious Diseases

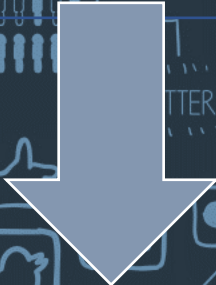


DAIT

Division of Allergy, Immunology,
and Transplantation



Office of Data Science and Emerging Technologies = NIAID Office of Data Science



DAIDS

Division of AIDS



DMID

Division of Microbiology
and Infectious Diseases



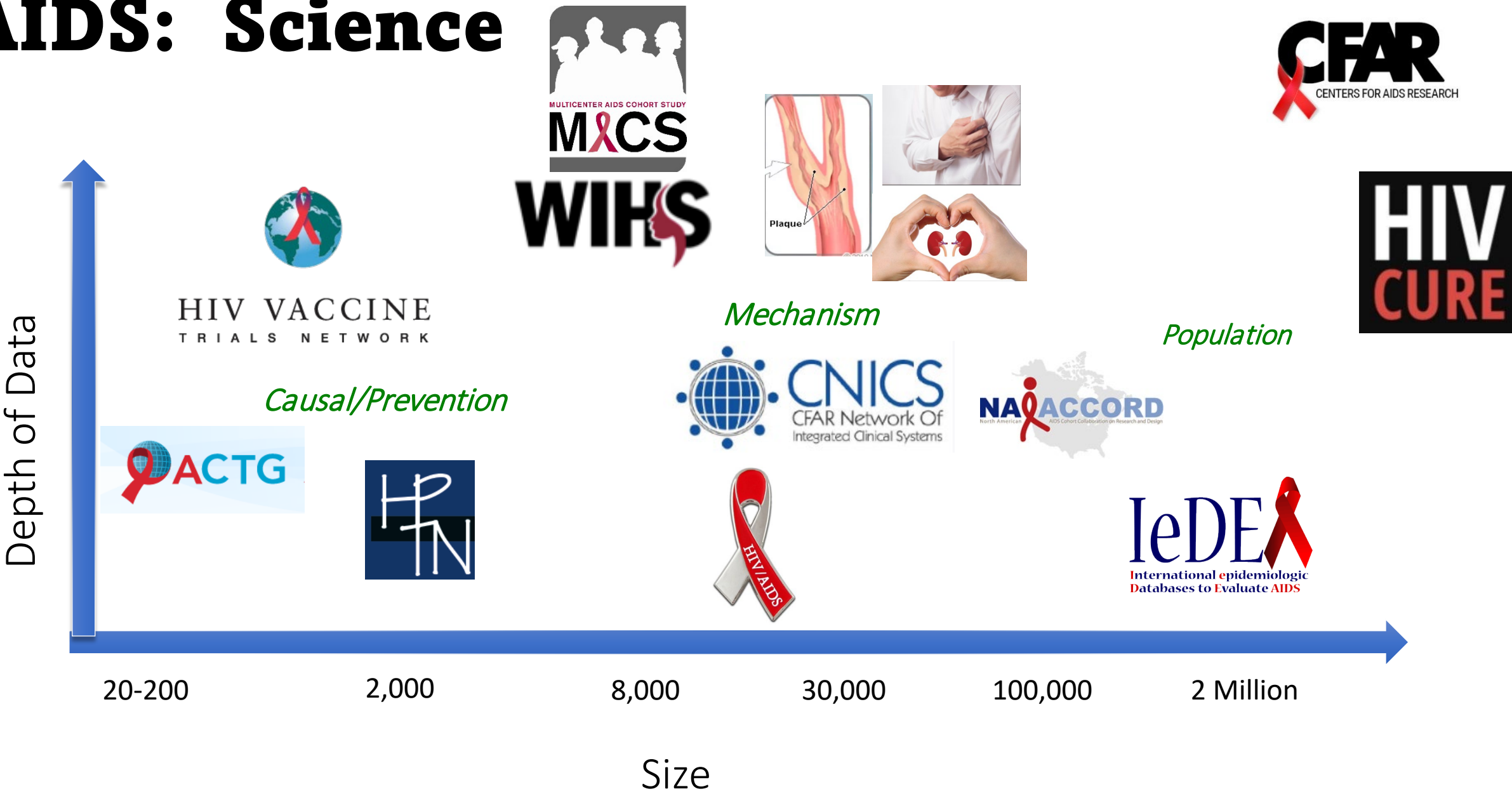
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and Transplantation



AIDS Memorial Quilt on display at the National Mall in Washington, D.C.

DAIDS: Science



DAIDS: Science

**Key
Populations**



AWARE



**Structural
Vulnerabilities**



**Ending
the
HIV
Epidemic**

Knowledgebases

Training

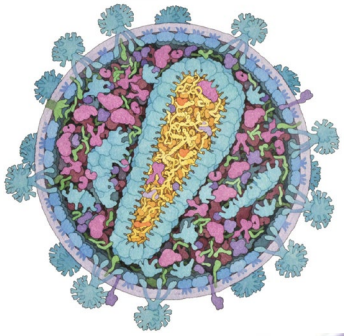
Ethics

DATA SCIENCE

An abstract digital graphic with a dark blue background. In the center, the words "BIG DATA" are written in a bold, white, sans-serif font. Surrounding the text is a complex, circular network of glowing blue and cyan lines and dots, resembling a data visualization or a stylized globe. The lines form concentric arcs and radial patterns, with small dots at the intersections and along the paths. The overall effect is a sense of dynamic, interconnected data.

BIG DATA

Tackling Context and the whole person

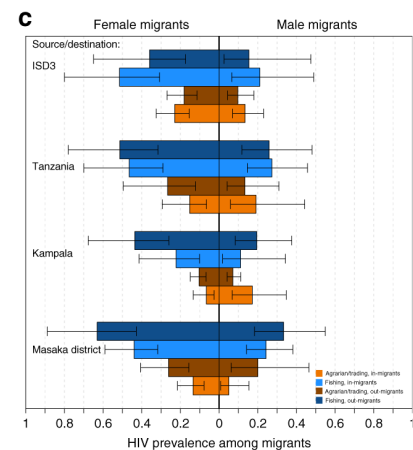
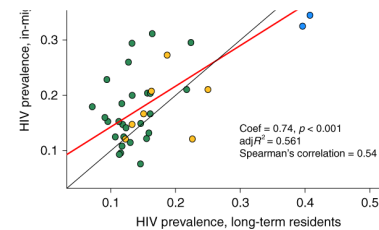
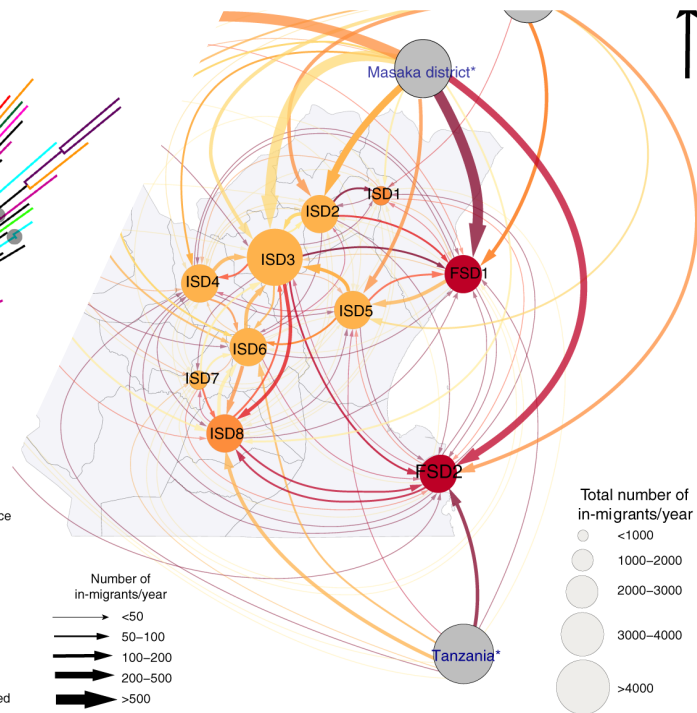
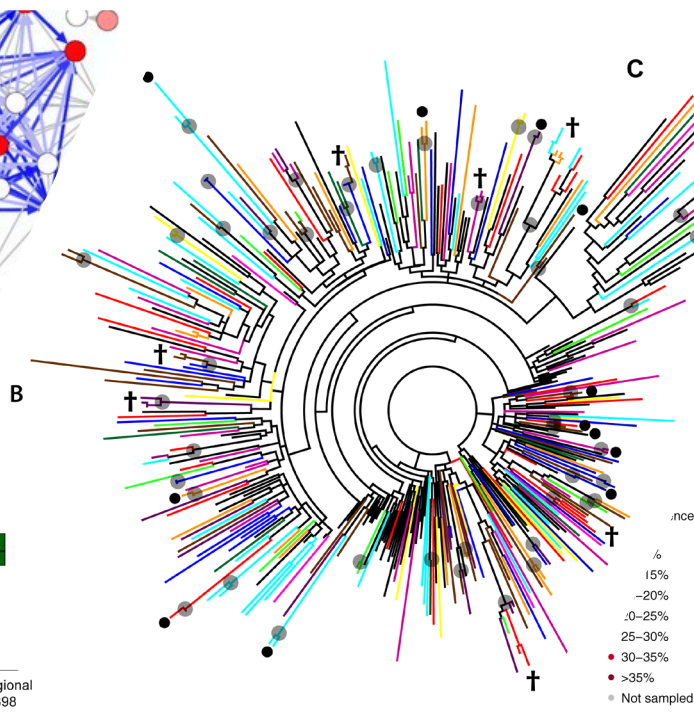
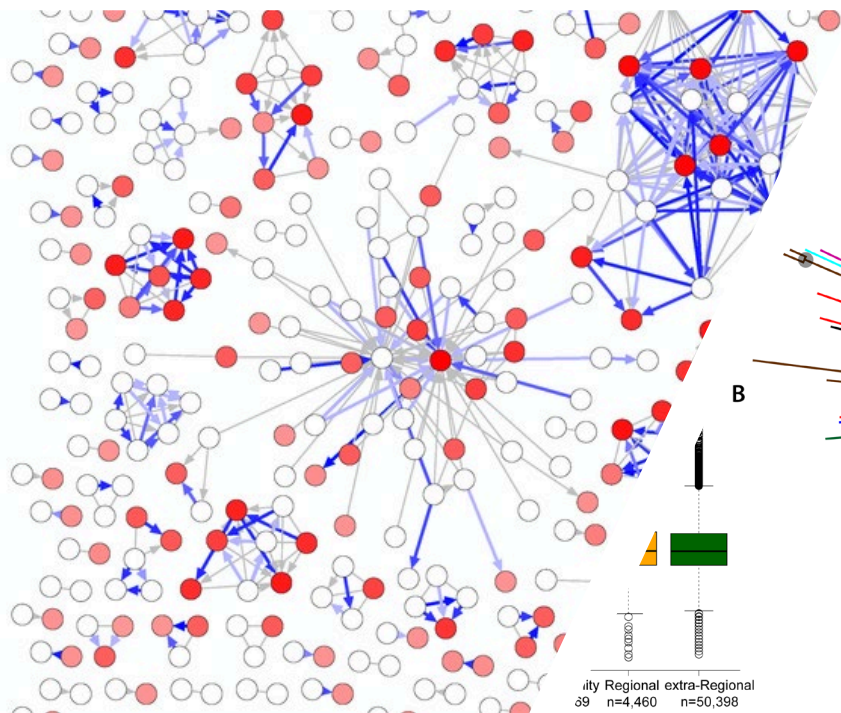


Wide, dirty and mixed

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GWAS Exome Chromatid Proteins Phenotypes Environment

Volume Variety Velocity Veracity



Employ quantitative and analytical approaches, processes, and systems to extract knowledge and novel insights from increasingly varied, large, and complex data.

