

The Constantly Evolving Role of the Infectious Disease Practitioner

The HOPE Nurses Conference

June 16, 2021

Richard Olans, MD, FIDSA

I have nothing to disclose



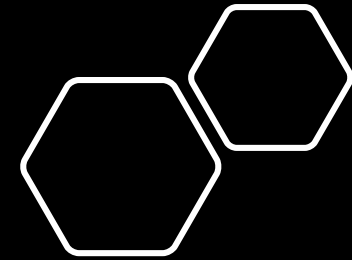
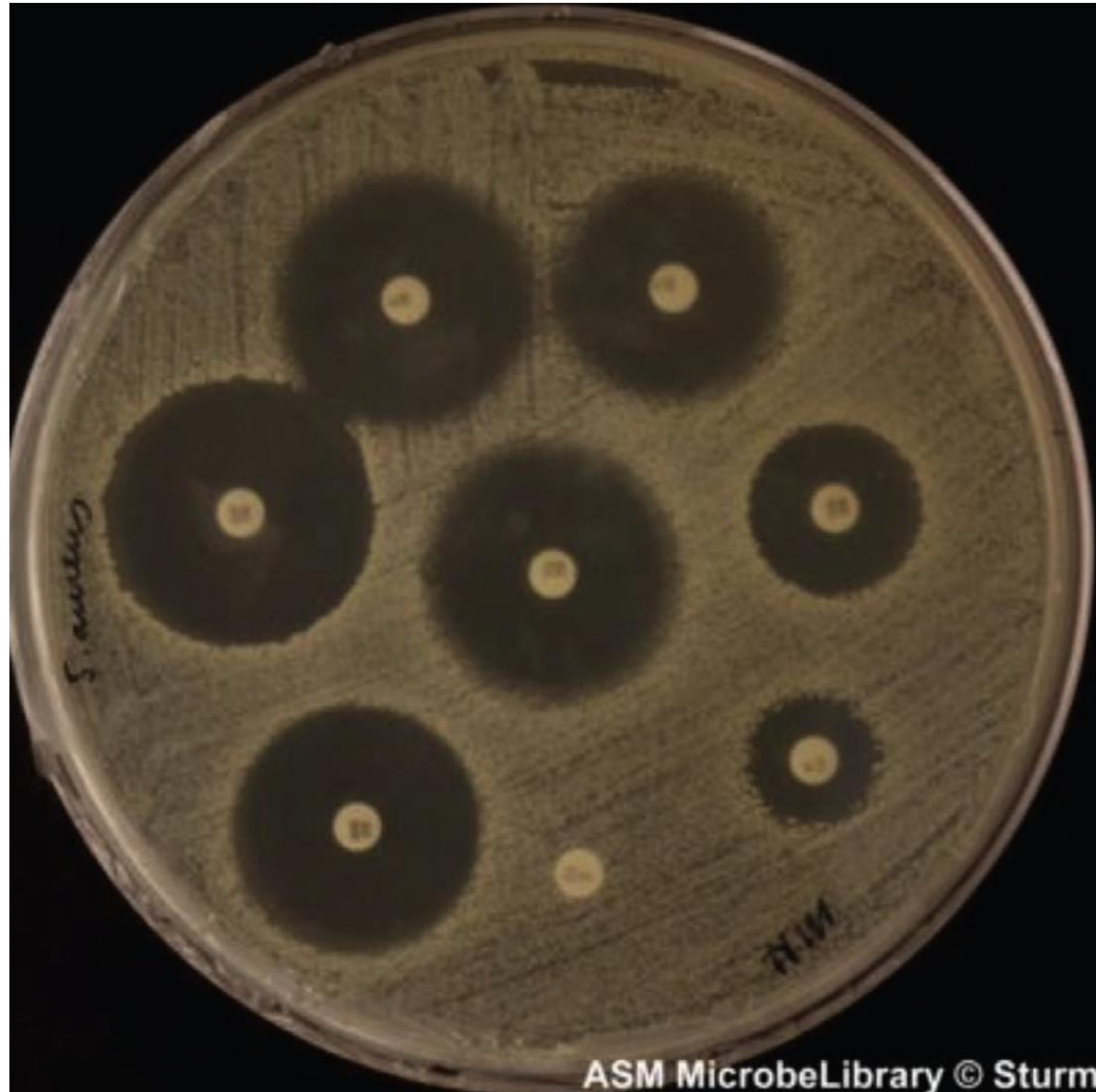
Learning Objectives

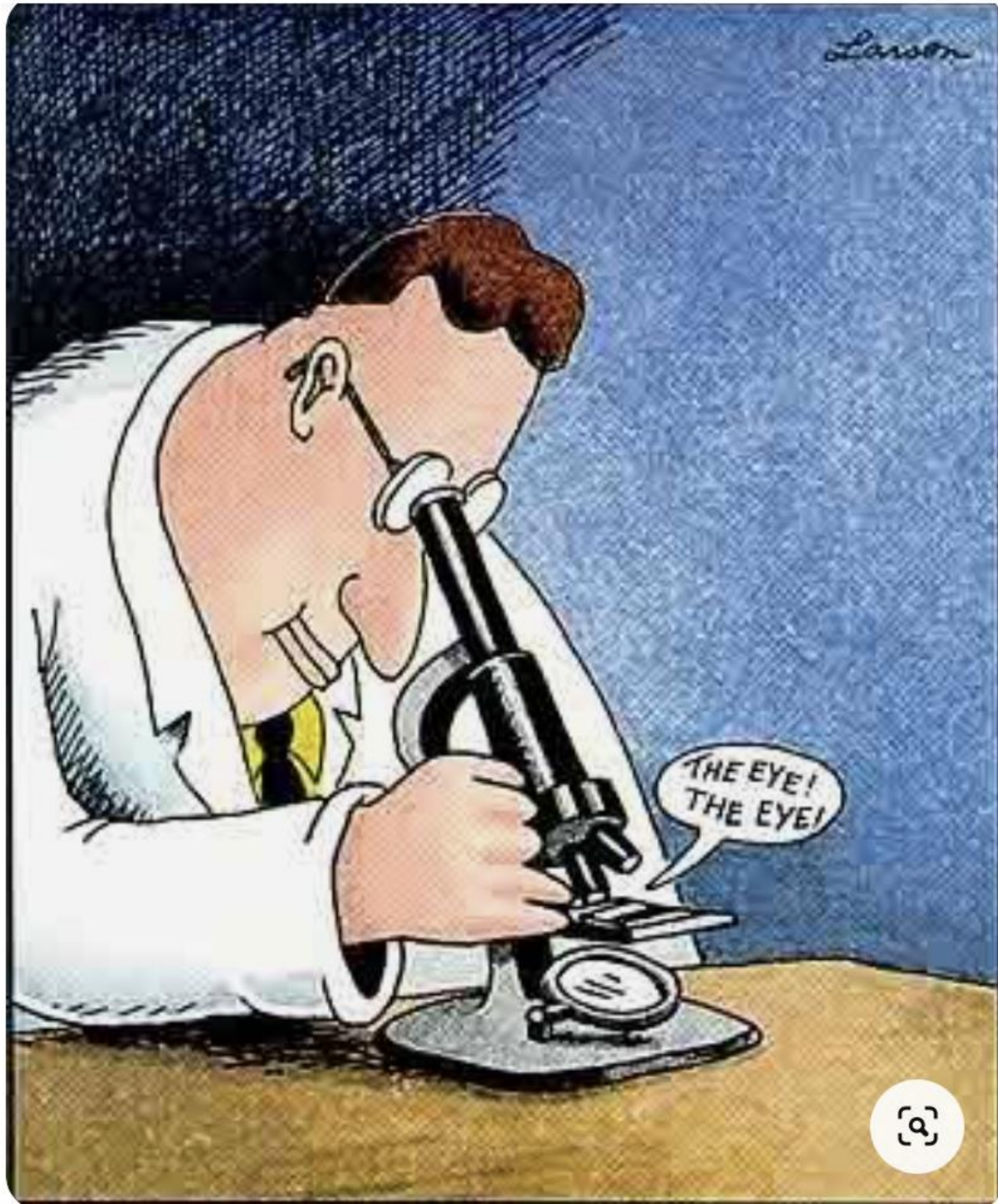
Synthesize how various influences impact the evolution of the field of infectious disease practice both on a micro level and macro level

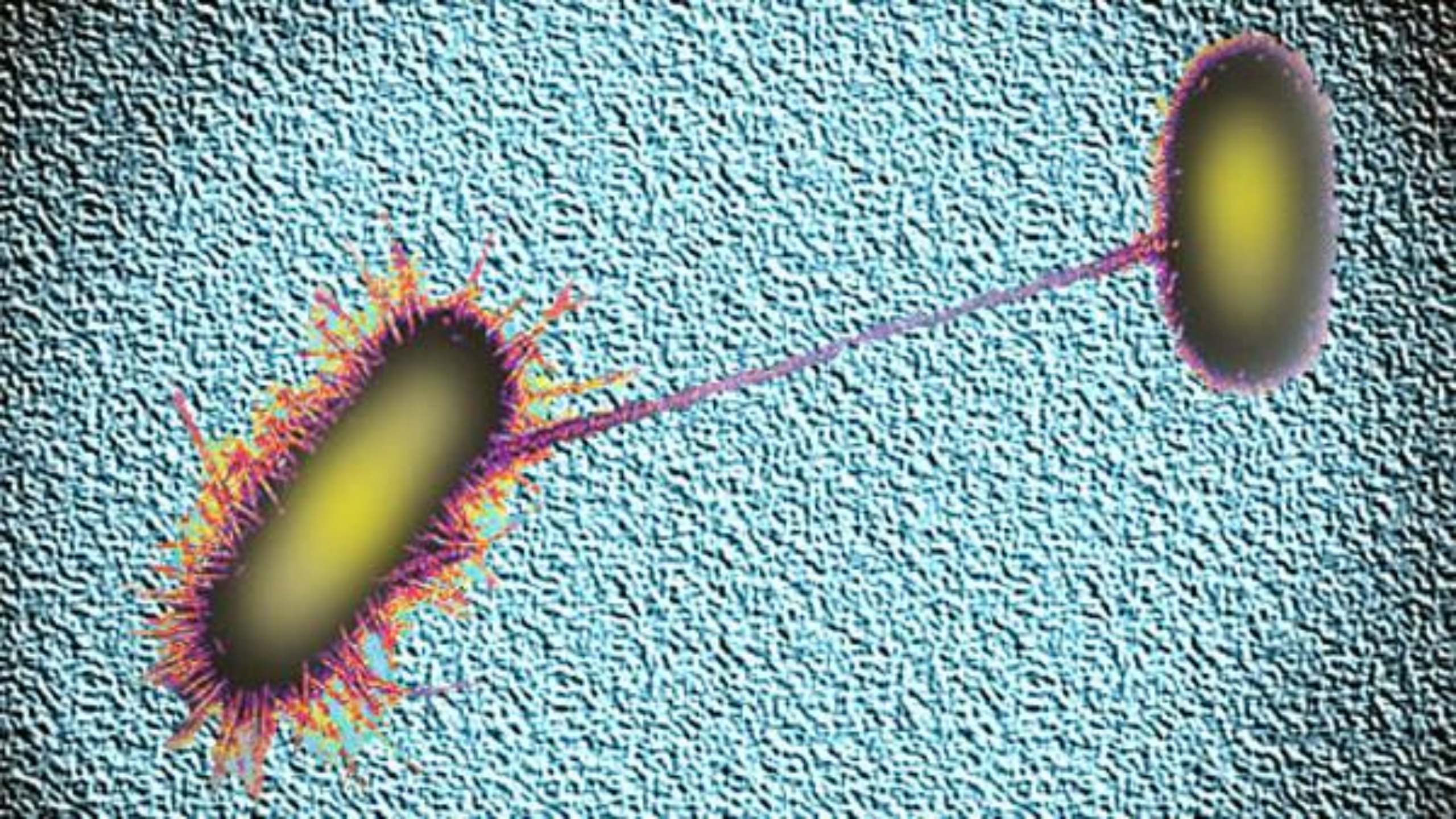
Evaluate the skill sets necessary for infectious disease prevention and control in the 21st Century

Paul de Kruif
**MICROBE
HUNTERS**



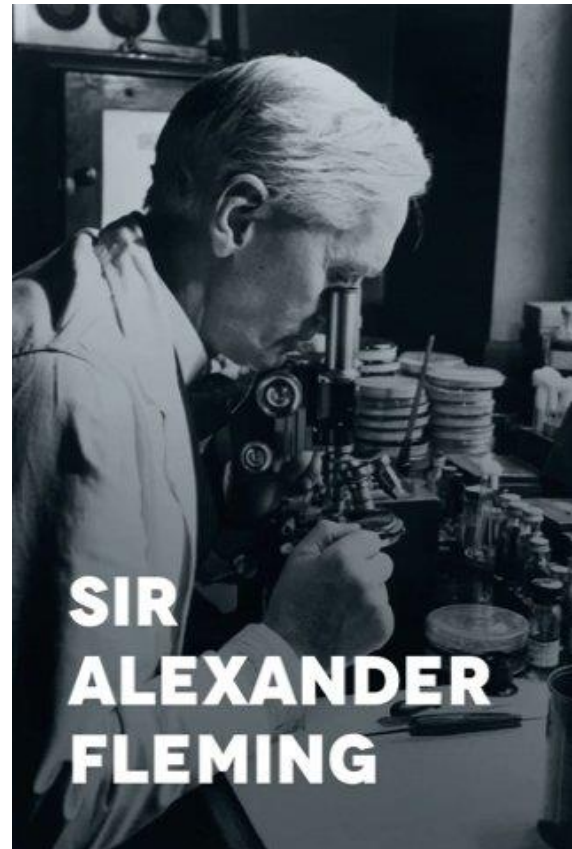






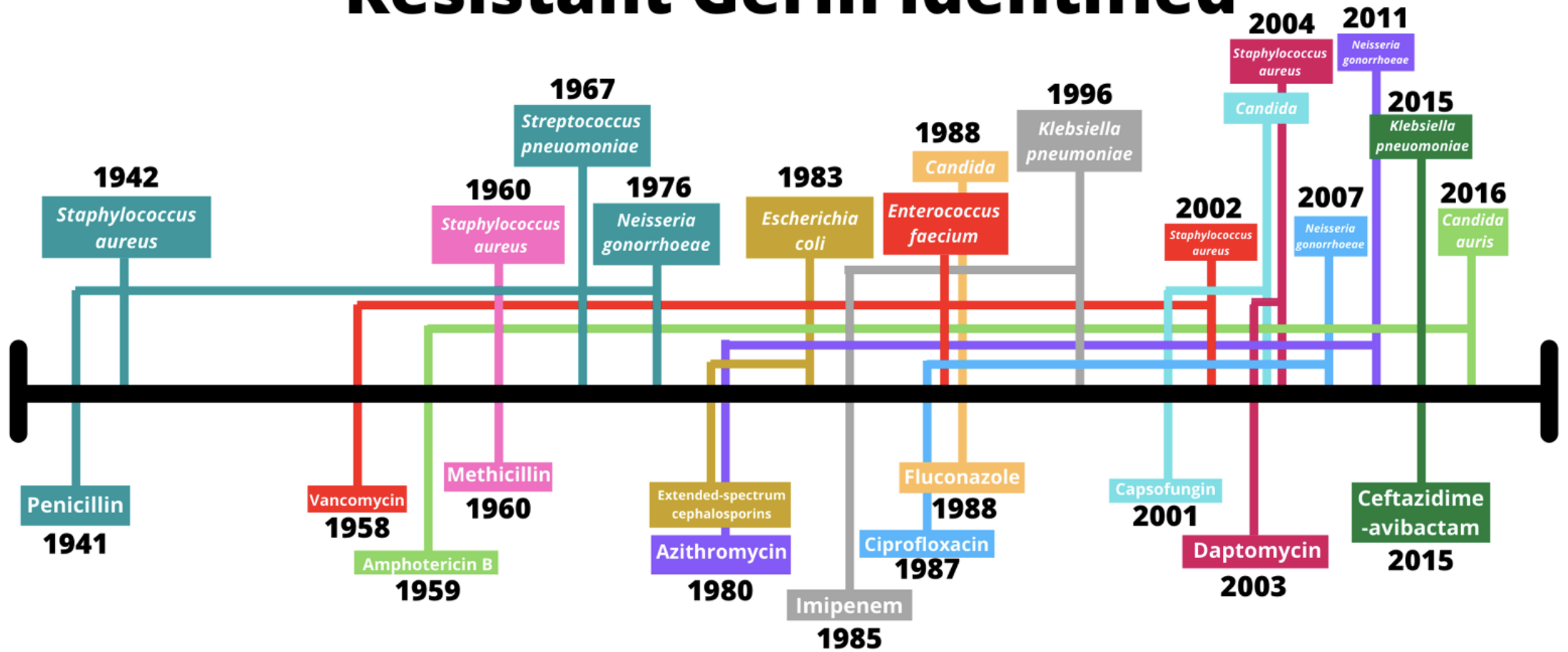


*“I hope this
evil can be
averted”*



The thoughtless person playing with penicillin treatment is morally responsible for the death of the man who succumbs to infection with the penicillin-resistant organism.

Resistant Germ Identified



\$3.95

Plagues and Peoples

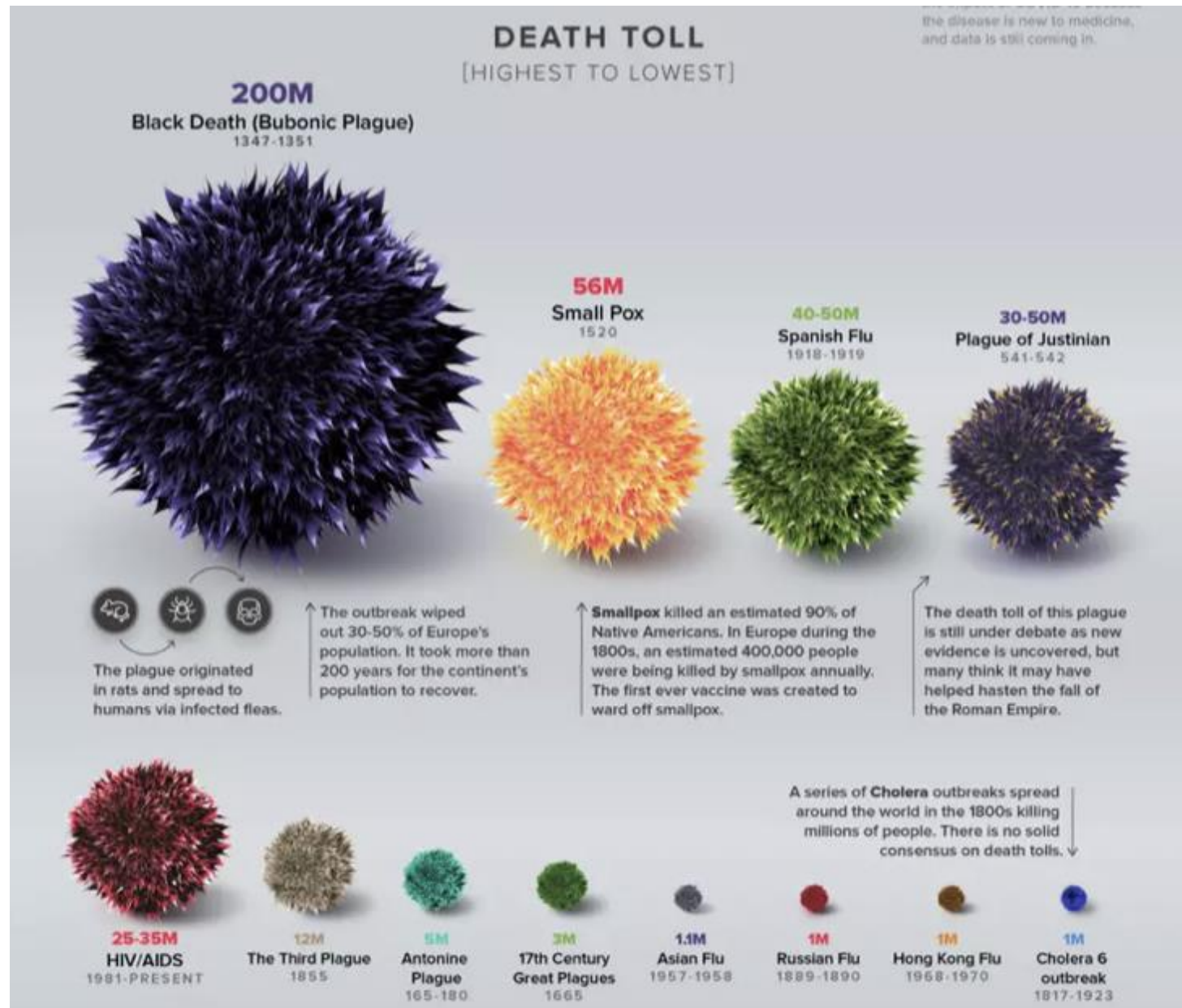


"A book of the first importance,
a truly revolutionary work."

THE NEW YORKER

BY THE AUTHOR OF *The Rise of the West*

William H. McNeill



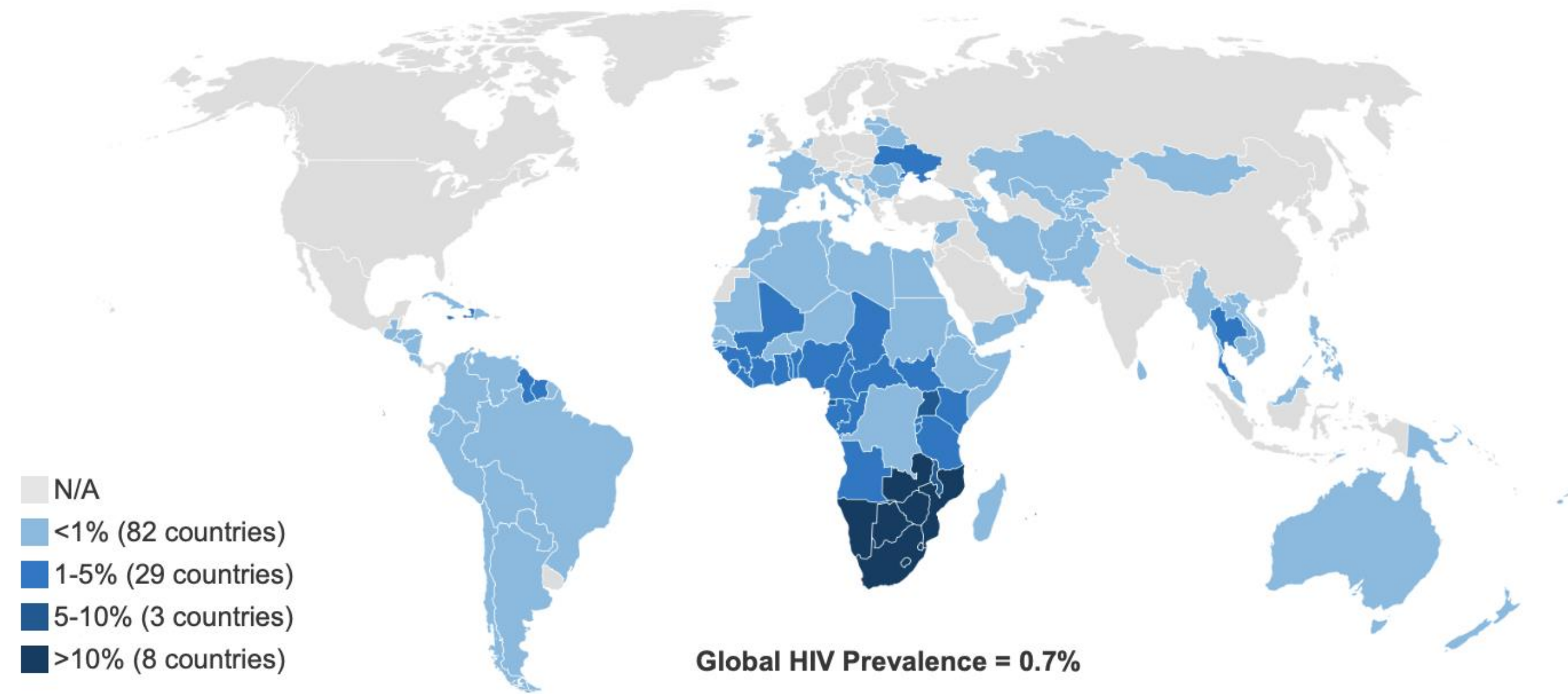






<https://reliefweb.int/report/world/2020-world-aids-day-report-reimagining-resilient-hiv-response-children-adolescents-and>

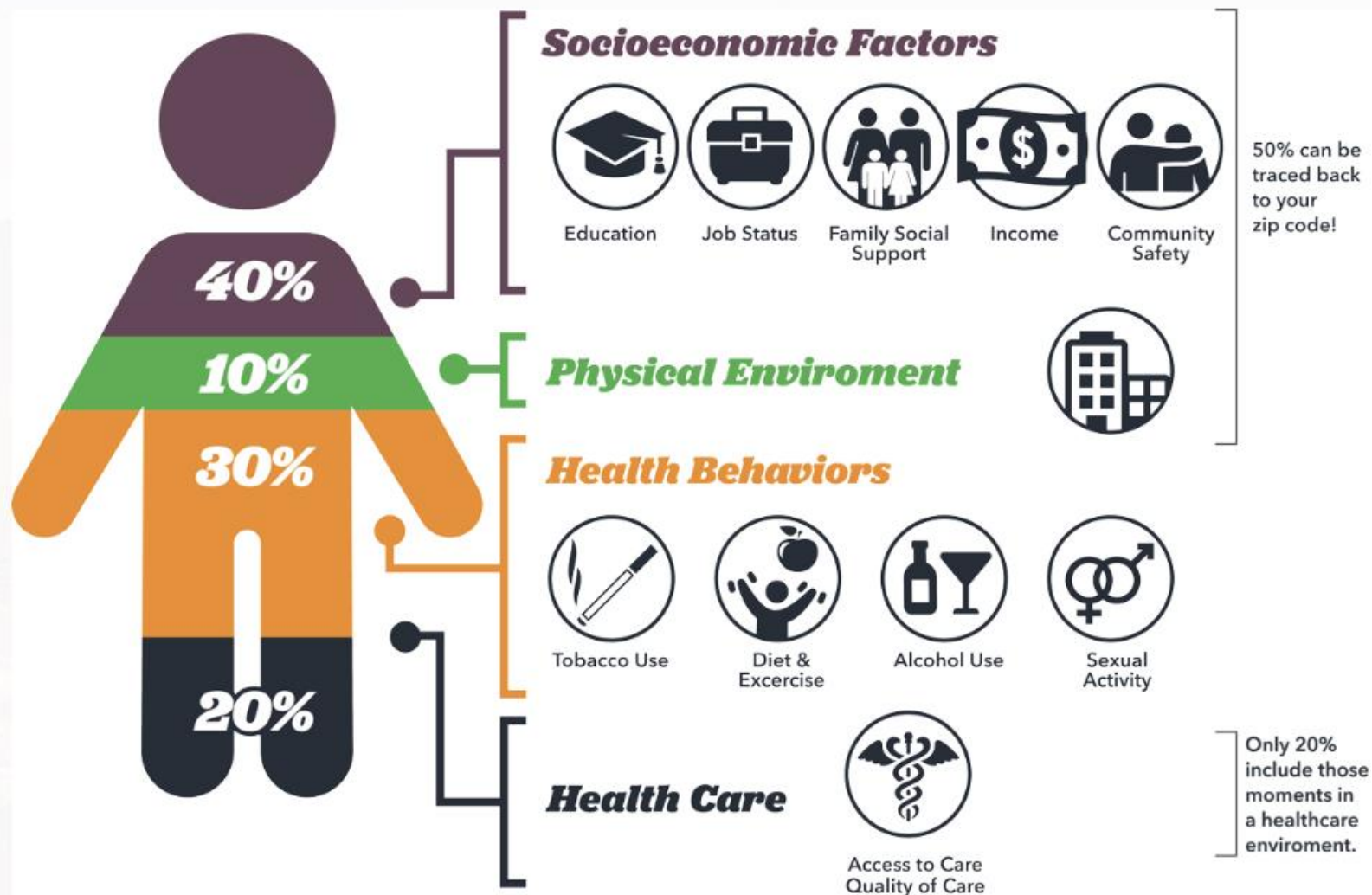
Adult HIV Prevalence, 2019



NOTE: Data are estimates. Prevalence includes adults ages 15-49
SOURCE: KFF, based on UNAIDS, AIDSInfo, Accessed December 2020. • [Download PNG](#)

**PARADIGM
SHIFT**



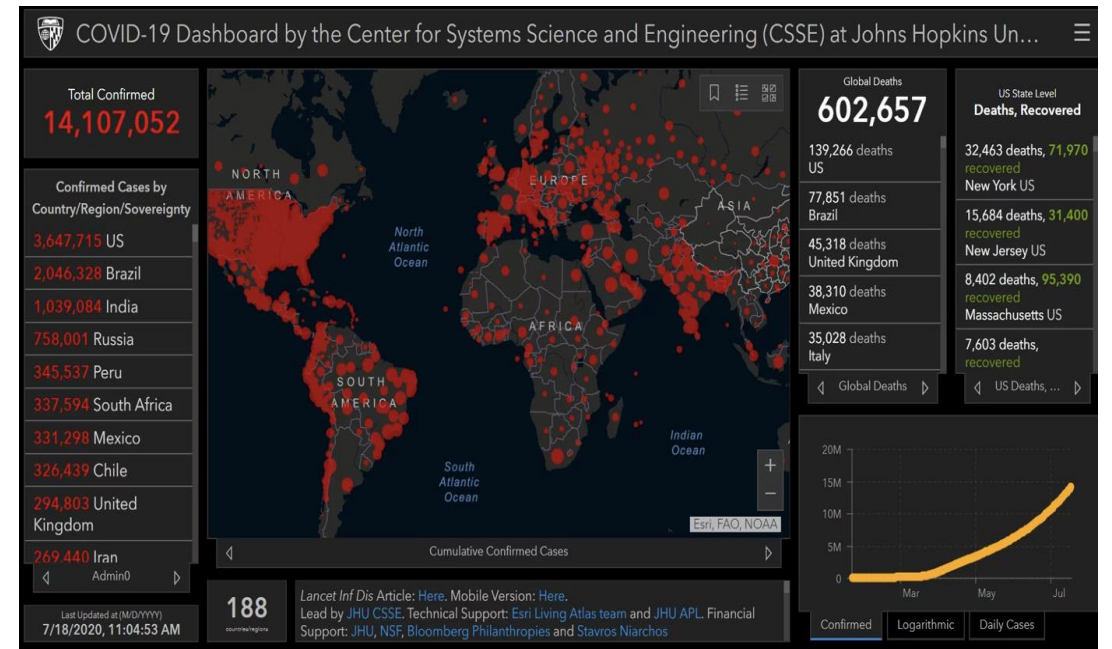
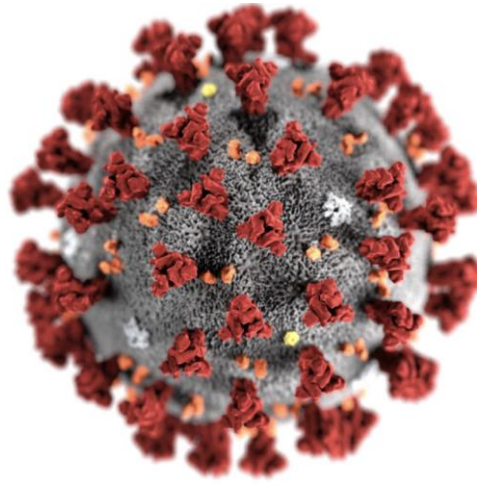


Source: Institute for Clinical Systems Improvement, Going Beyond Clinical Walls: Solving Complex Problems (October 2014)



American troops climb over a sandbag revetment in France during World War I in 1918. AP





**"THOSE WHO DO
NOT LEARN FROM
HISTORY ARE
DOOMED TO
REPEAT IT"**

- GEORGE SANTAYANA





<https://www.usnews.com/news/healthiest-communities/articles/2020-05-04/many-vaccine-skeptics-plan-to-refuse-a-covid-19-vaccine-study-suggests>

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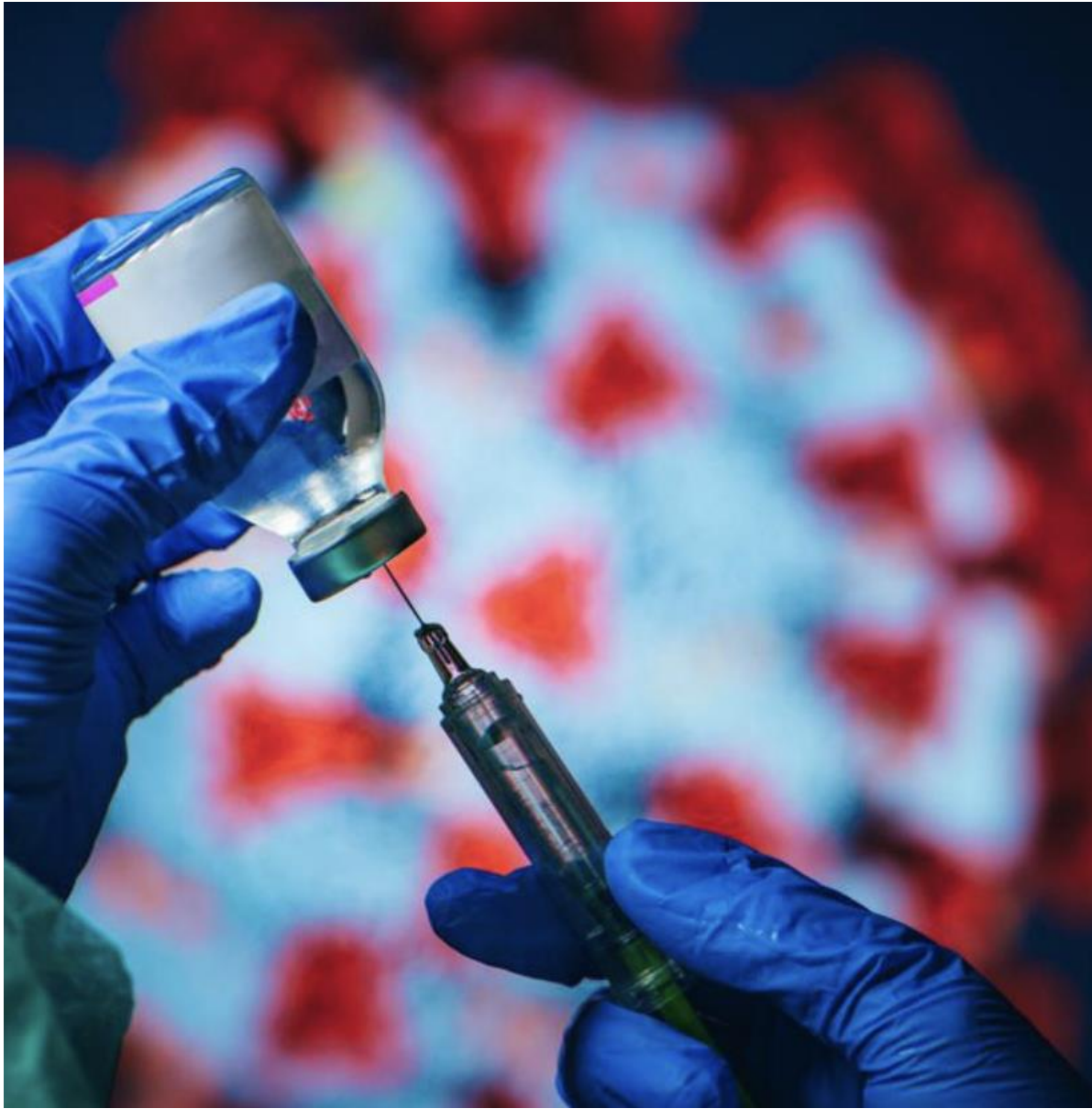
CONFRONTING MISINFORMATION

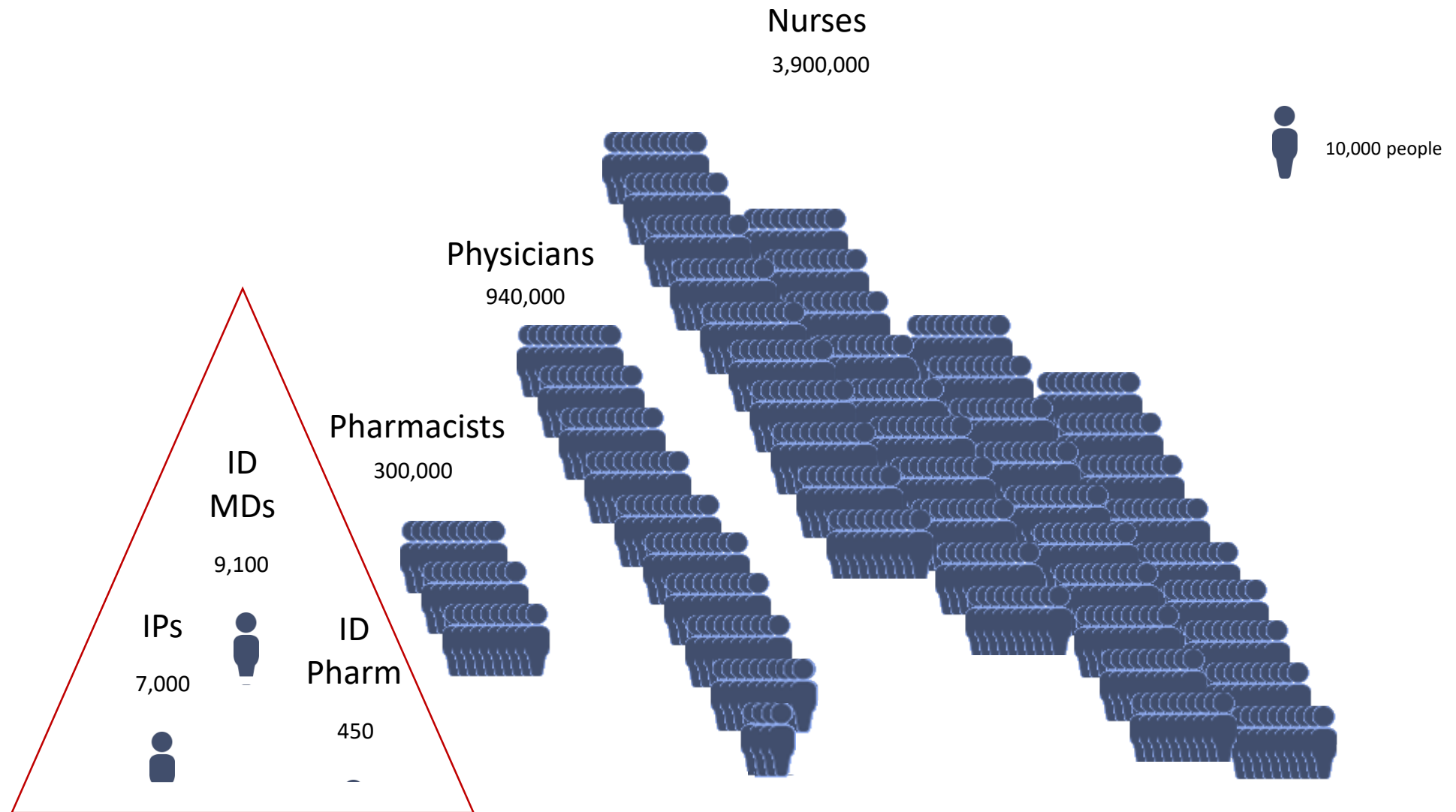
How to protect society from fear, lies and division



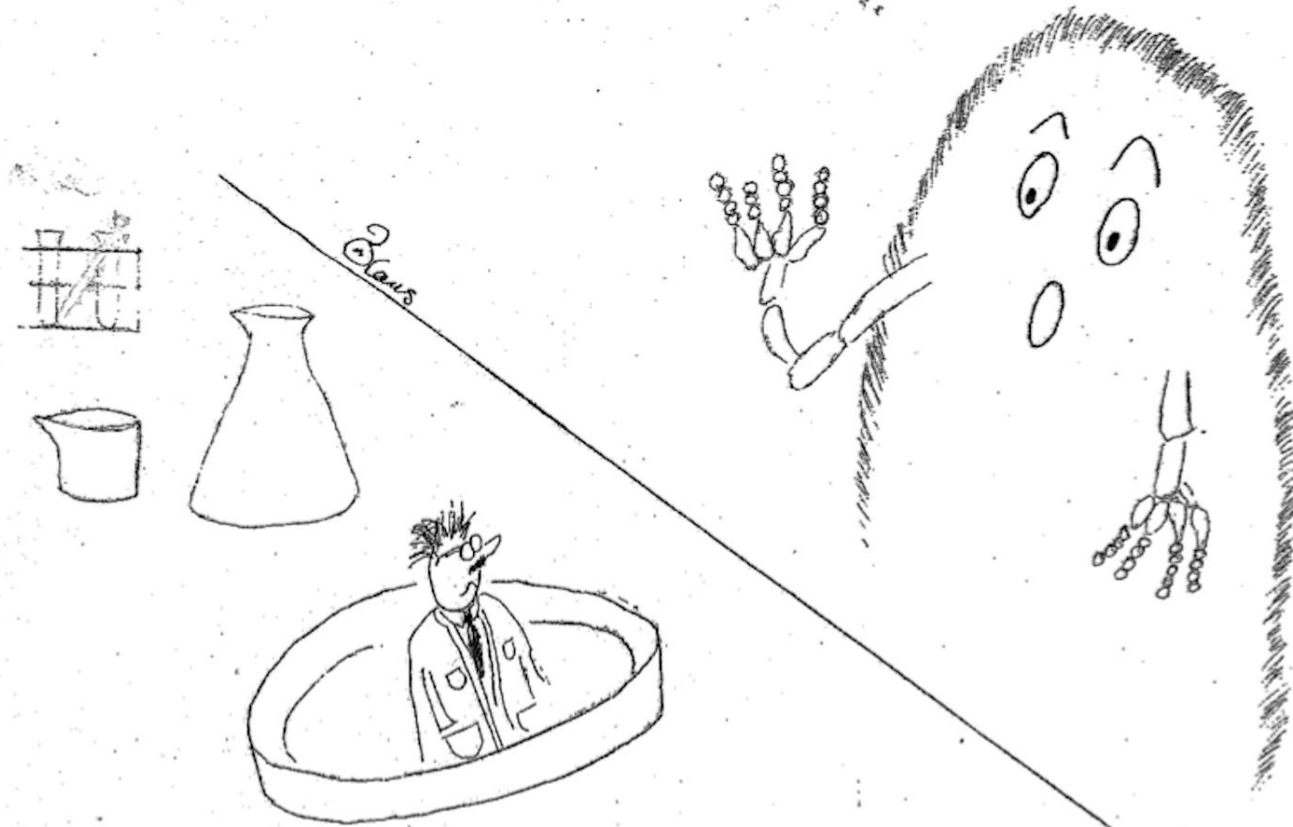








Great Moments in Microbiology



PENICILLIN DISCOVERS DR. ALEXANDER FLEMING



Infectious disease is
public health and is
everyone's responsibility