

Global helse

Et landskap i endring?

Ernst Kristian Rødland MD PhD

26.05.20

Temaer

- Trusler mot global helse
- En Helse (One Health)
- Infeksjonssykdommer
 - Kjente infeksjonssykdommer
 - Nye infeksjonssykdommer



Overlege Ernst Kristian Rødland
Avdeling for Smittevern & Beredskap
Folkehelseinstituttet

Trusler mot menneskers helse



WHO Releases List of 10 Threats to Global Health

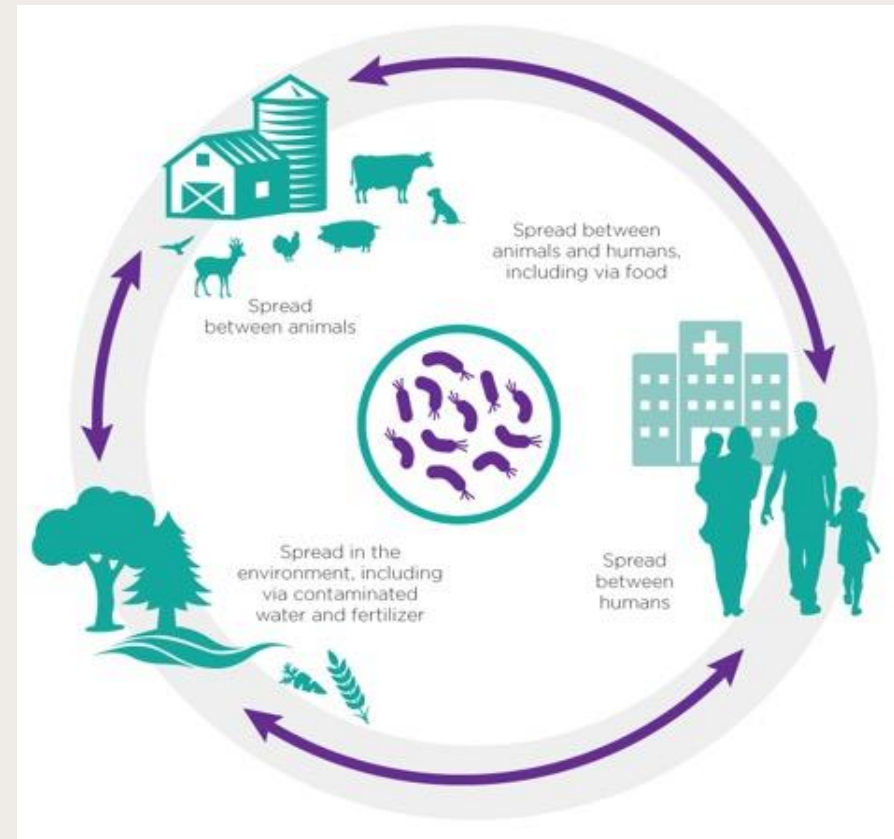
By the Editors

The World Health Organization has released a list of 10 threats to global health in 2019. They include:

- Air pollution and climate change
- Noncommunicable diseases
- Threat of a global influenza pandemic
- Fragile and vulnerable settings, such as regions affected by drought and conflict
- Antimicrobial resistance
- Ebola and high-threat pathogens
- Weak primary care
- Vaccine hesitancy
- Dengue
- HIV

En helse - One Health

- *Initiative to forge collaboration between physicians, veterinarians and other scientific-health and environmentally related disciplines*
- *One Health recognizes that the health of people is connected to the health of animals and the environment*





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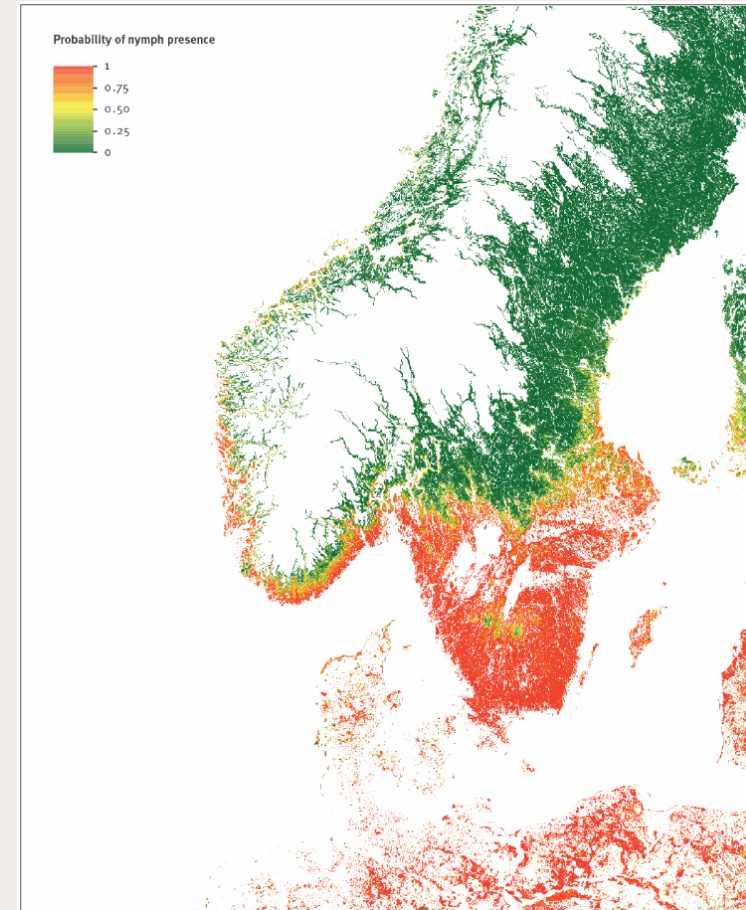
Infeksjonssykdommer

- Økt utbredelse av kjente infeksjonssykdommer
- «Nye» infeksjonssykdommer
 - Emerging Infectious Diseases (EIDs)
 - Re-emerging Infectious Diseases

Økt utbredelse av kjente infeksjoner

Noen eksempler

- Norge:
 - Feks Borreliose
- Globalt:
 - Malaria
 - Zika
 - Dengue
 - Schistosomiasis

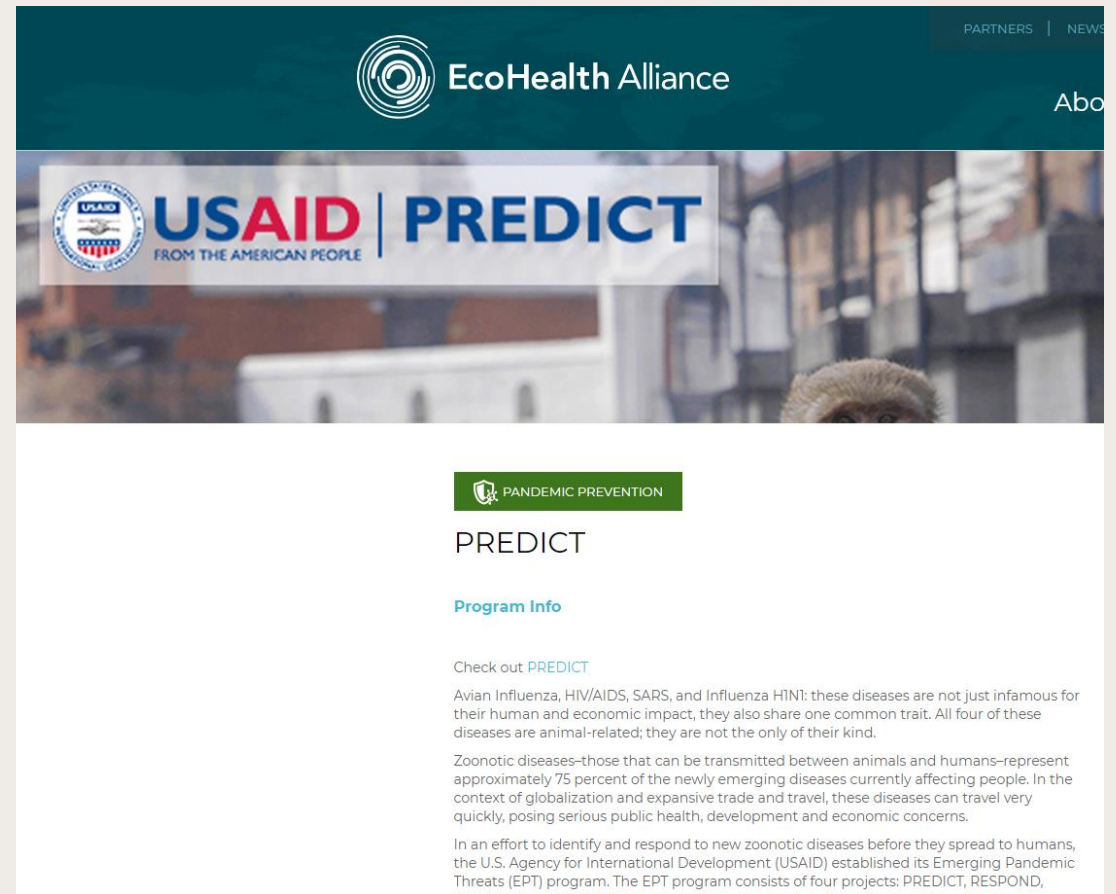


Kjær et al, Eurosurveillance, 2019

«Nye» infeksjonssykdommer

Emerging Infectious Diseases

- Nye virus – Ebola, SARS, MERS, Nipah
 - PREDICT
 - ~ 1000 nye virus
 - Global Virome Project
 - Estimert 500 000 virus som kan smitte fra dyr til mennesker
- Antibiotikaresistens
 - Kjente mikroorganismer med nye egenskaper.



Hvorfor smitter virus fra dyr til mennesker?

› [Emerg Infect Dis.](#) 2005 Dec;11(12):1822-7. doi: 10.3201/eid1112.040789.

Bushmeat Hunting, Deforestation, and Prediction of Zoonoses Emergence

Nathan D Wolfe ¹, Peter Daszak, A Marm Kilpatrick, Donald S Burke

Affiliations + expand

PMID: 16485465 PMCID: [PMC3367616](#) DOI: [10.3201/eid1112.040789](#)

[Free PMC article](#)

Abstract

Understanding the emergence of new zoonotic agents requires knowledge of pathogen biodiversity in wildlife, human-wildlife interactions, anthropogenic pressures on wildlife populations, and changes in society and human behavior. We discuss an interdisciplinary approach combining virology, wildlife biology, disease ecology, and anthropology that enables better understanding of how deforestation and associated hunting leads to the emergence of novel zoonotic pathogens.



Rainforest is cleared for cattle farming along the Trans-Amazonian Highway. Clearing like this is linked to the spread of infectious diseases like malaria.

PHOTOGRAPH BY RICHARD BARNES, NAT GEO IMAGE COLLECTION

| SCIENCE |

Deforestation is leading to more infectious diseases in humans

As more and more forest is cleared around the world, scientists fear that the next deadly pandemic could emerge from what lives within them.

6 MINUTE READ

BY KATARINA ZIMMER

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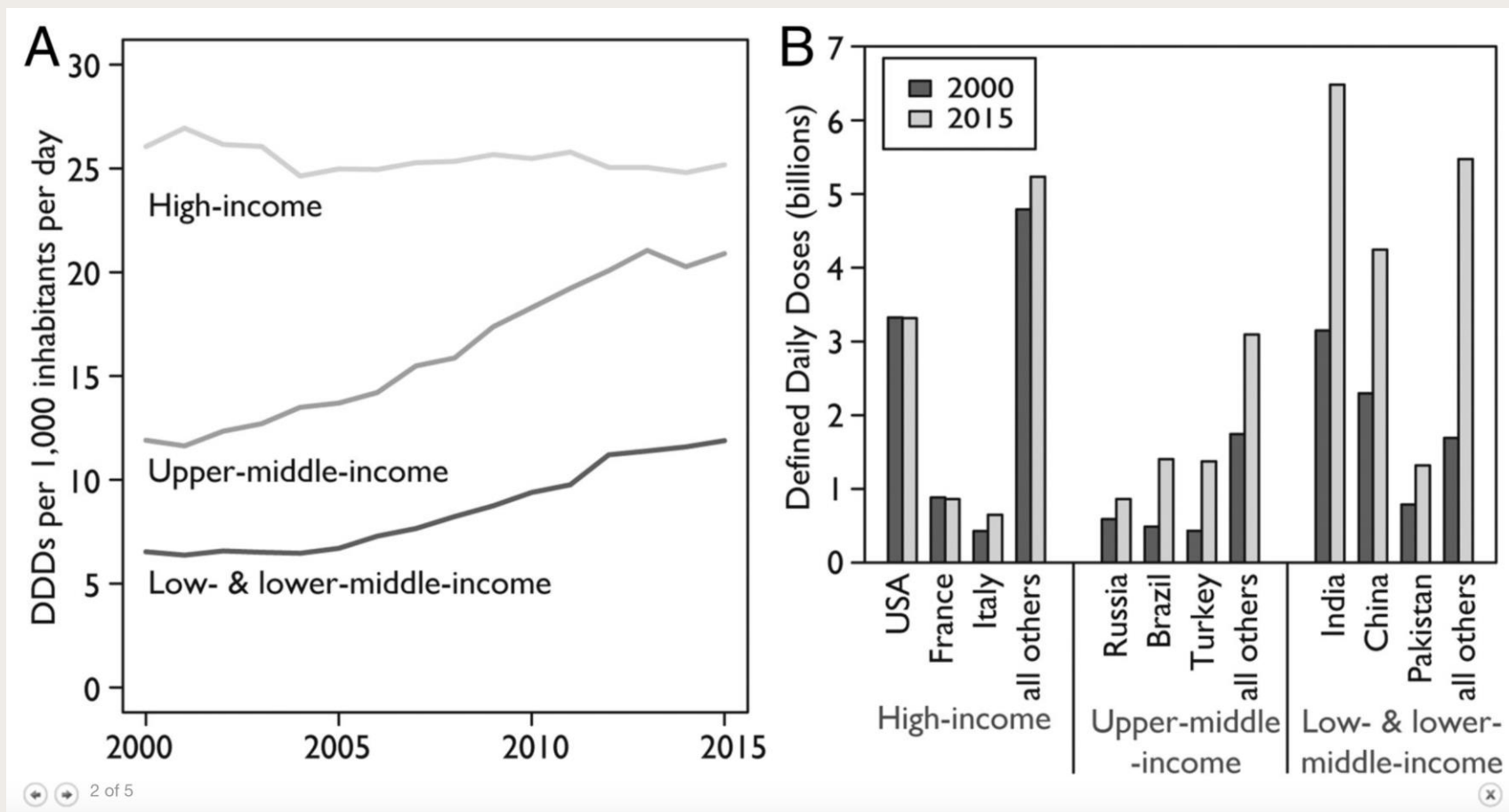
PUBLISHED NOVEMBER 22, 2019

Antibiotikaresistens (AMR)

Mikroorganismers strategier for å tåle antimikrobielle midler

- Har eksistert like lenge som bakterier
- Alle levende vesener omgås den samme mikrobielle biosfære
- Utvikling av AMR i en type bakterier kan overføres til andre bakterier
 - Horisontal gen-overføring
- AMR finnes overalt
 - I miljøet
 - I dyrepopulasjoner (husdyr, ville dyr, insekter)
 - Hos mennesker
- Gal bruk/overforbruk av antibiotika er den viktigste årsaken

Antibiotikabruk globalt - mennesker



«Oppsummering»

