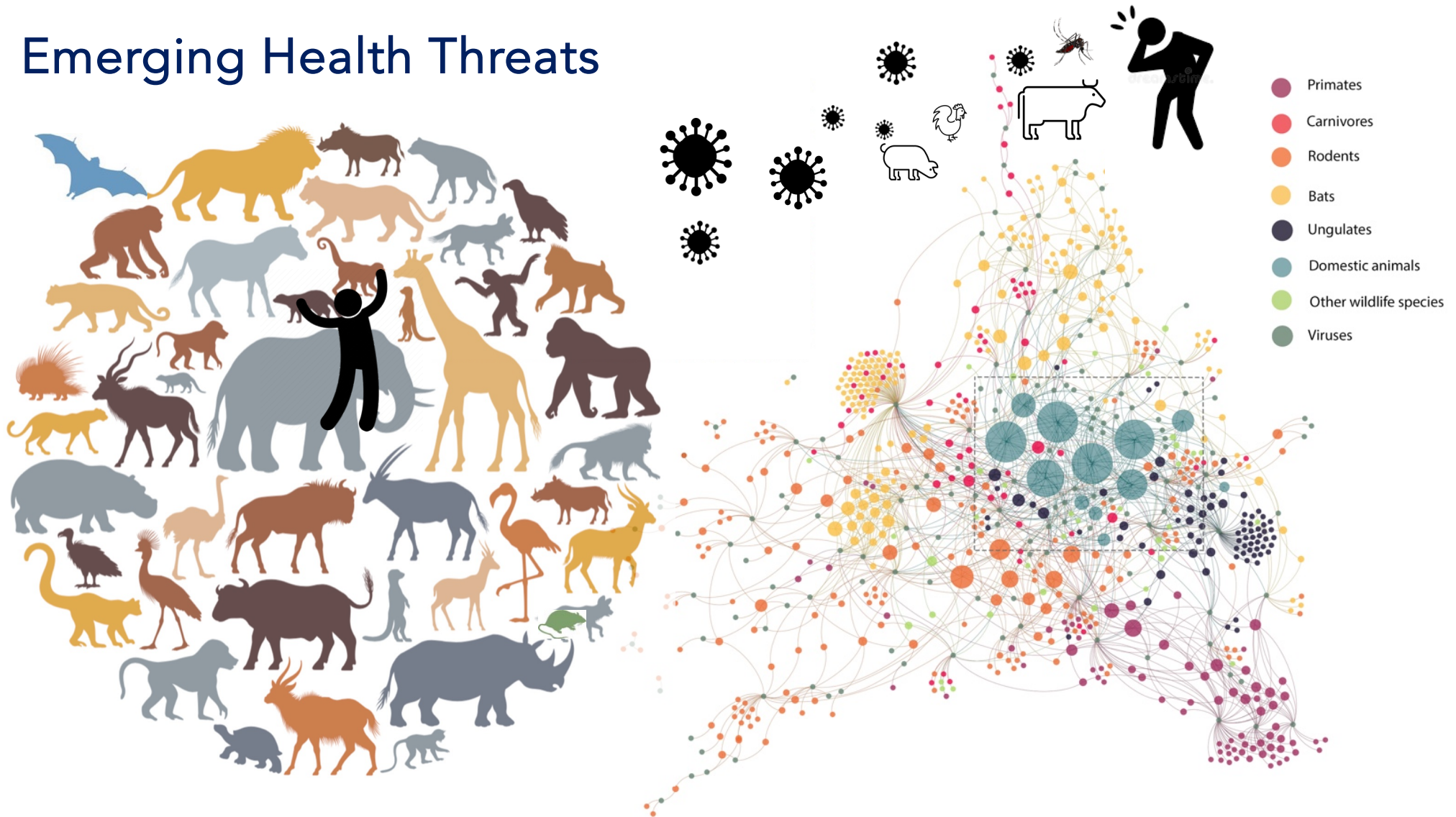


Shared Governance in Research

Christine K Johnson, VMD, PhD
Professor of Epidemiology and Ecosystem Health
Director, Institute for Pandemic Intelligence
University of California, Davis

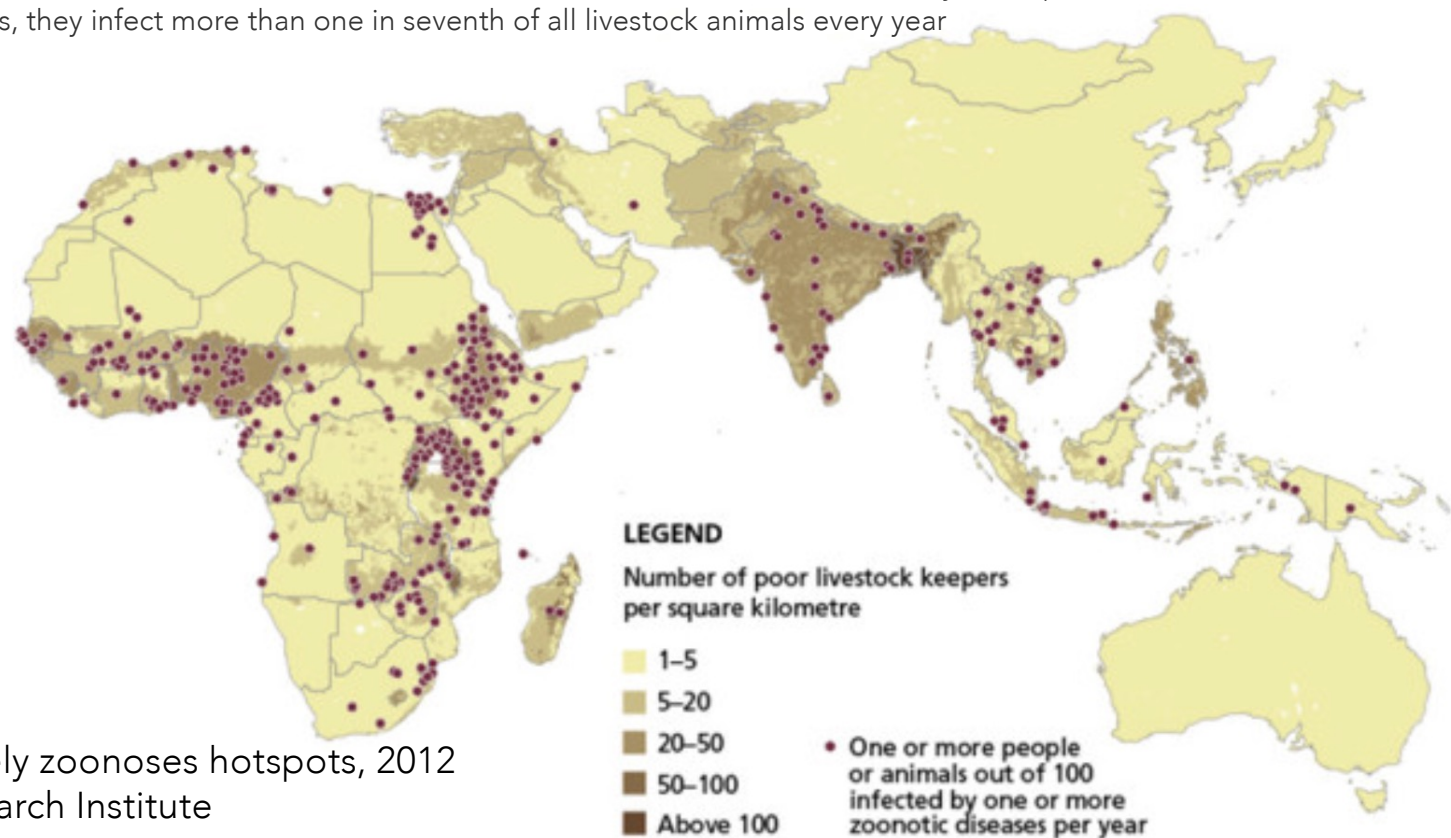


Emerging Health Threats



Greatest Burden of Zoonoses Falls on One Billion Poor Livestock Keepers* *with less access to healthcare

An International Livestock Research Institute (ILRI) study has shown that zoonotic diseases are major obstacles in the pathway out of poverty for one billion poor livestock keepers. These diseases cause 2.3 billion cases of human illness and 1.7 million human deaths a year. In poor countries, they infect more than one in seventh of all livestock animals every year



Mapping of poverty and likely zoonoses hotspots, 2012
International Livestock Research Institute

Research in Close Coordination with Communities and Stakeholders



NIH NIAID CREID Research Center

Surveillance in people, animals, and vectors

Longitudinal cohorts in partnership with high-risk communities

Research between outbreaks =
Readiness for outbreak investigation and response





Equity in Research

- **Transdisciplinary Equity** – multisectoral collaboration, sociopolitical and multicultural parity
- **Ecological Equity** – moving away from anthropocentric view in which humans are the center of concern towards a One Health perspective that places us in an interconnected and interdependent relationship with animals and the environment
All life is of equal concern
- **Socioeconomic Inclusion** – stewardship of all voices

One Health: a call for ecological equity

www.thelancet.com Vol 401 January 21, 2023

Transitions to Equity – One Health Networks

Global-level One Health Networks

- Predominantly headquartered in Europe (23 of 58) or North America (12 of 58)
- Only six (10%) have their headquarters in Africa, one (2%) has headquarters in Asia, and one (2%) has headquarters in South America
- Inequity in access to and distribution of resources poses major challenge to One Health partnerships and collaboration
- Governance predominantly in high-income countries
- Need to reshape operational dynamics in One Health policy and practice

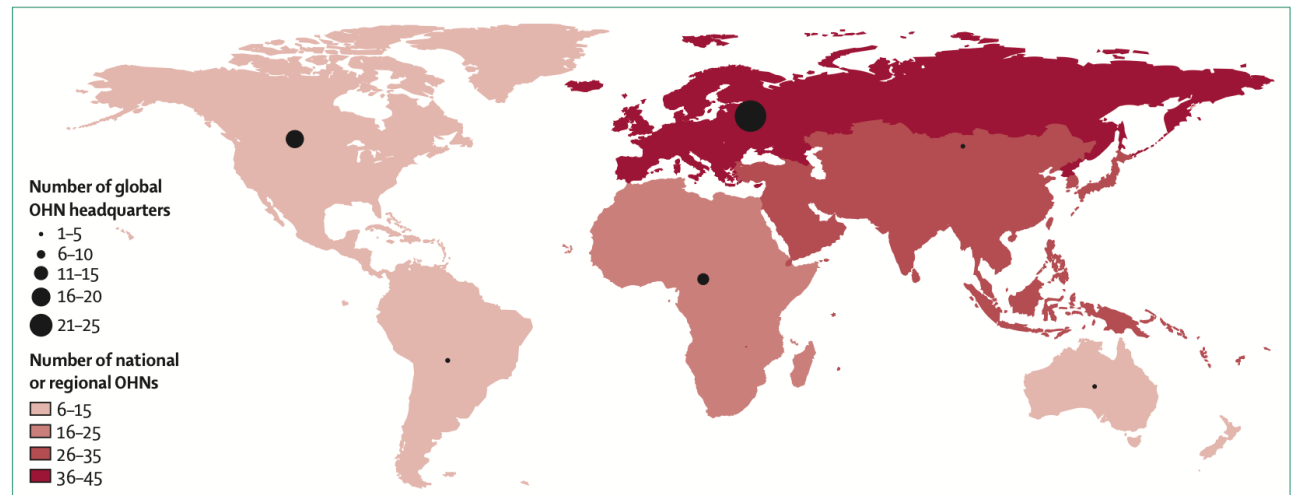


Figure 1: Geographical distribution of OHNs
OHN=One Health Network.

A global analysis of One Health Networks and the proliferation of One Health collaborations

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Enabling
transdisciplinary
government
partnerships for
outbreak
preparedness



Emerging Disease Preparedness

- Research responsive to government needs (research to inform policy)
- International collaboration and local leadership of science where outbreaks are most likely to occur
- Transdisciplinary coordination between animal, human, and environmental health professionals and government counterparts, strengthened by routine information sharing and collaboration on research in between outbreaks
- Community engagement in all stages of the research
- Routine and regular reporting of research findings to governments