

Evolving Challenges and the Impact of Migration and Climate Change on Chagas and Other Neglected Diseases

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Chagas disease: Global impact by the numbers

Over 6 million people infected
>7,500 deaths annually
<1% diagnosed



Chagas Disease: Hidden in the Shadows of Neglect

- Impacts vulnerable populations
- Asymptomatic for years
- Populations with limited access to healthcare
- Prevention, early detection and treatment
 - Prevents life-threatening complications
 - Reduces mother-to-child transmission
- Cure rates for infants approach 100%, but pre- and post-natal screening remain a gap

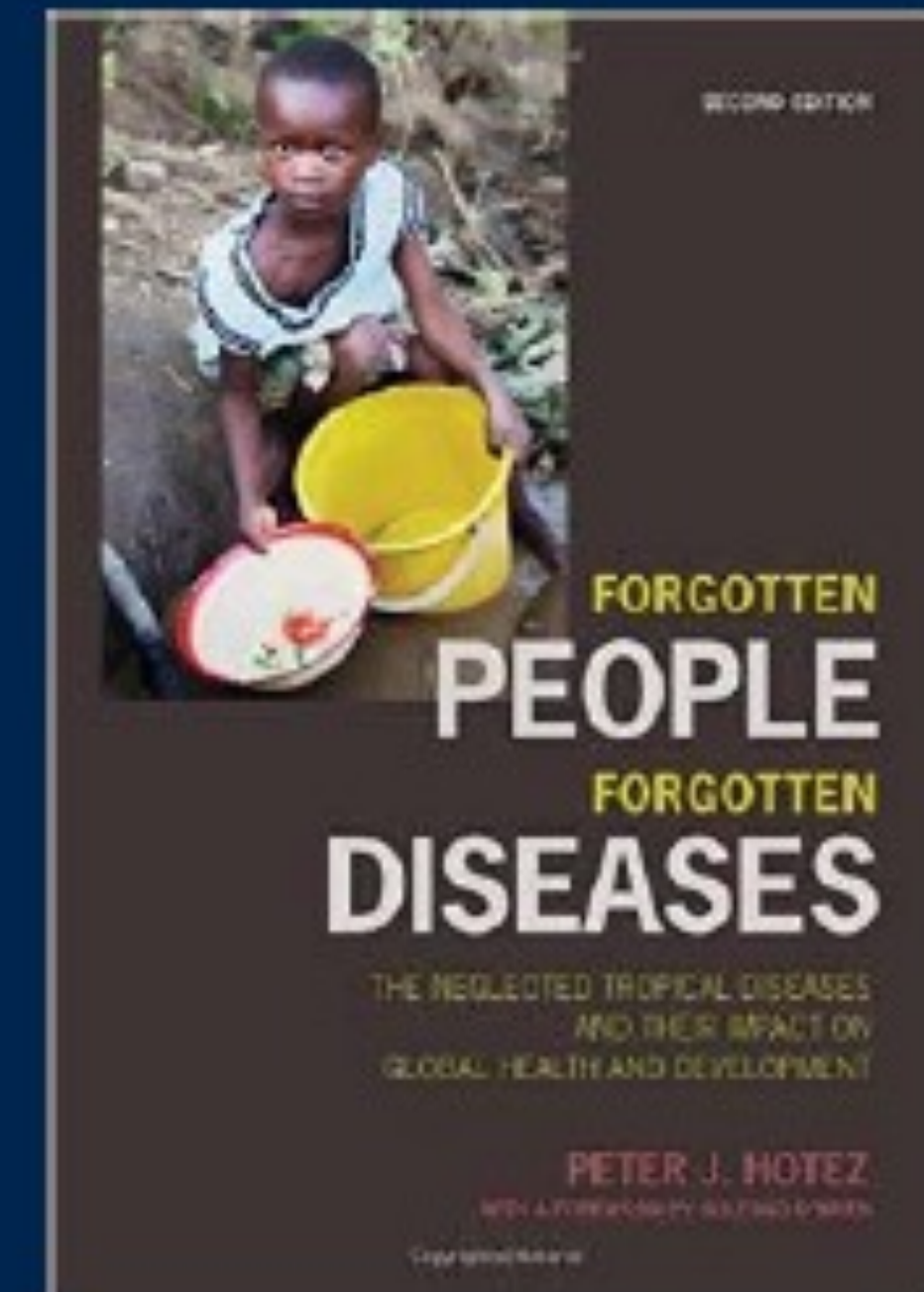


Chagas and Global Migration

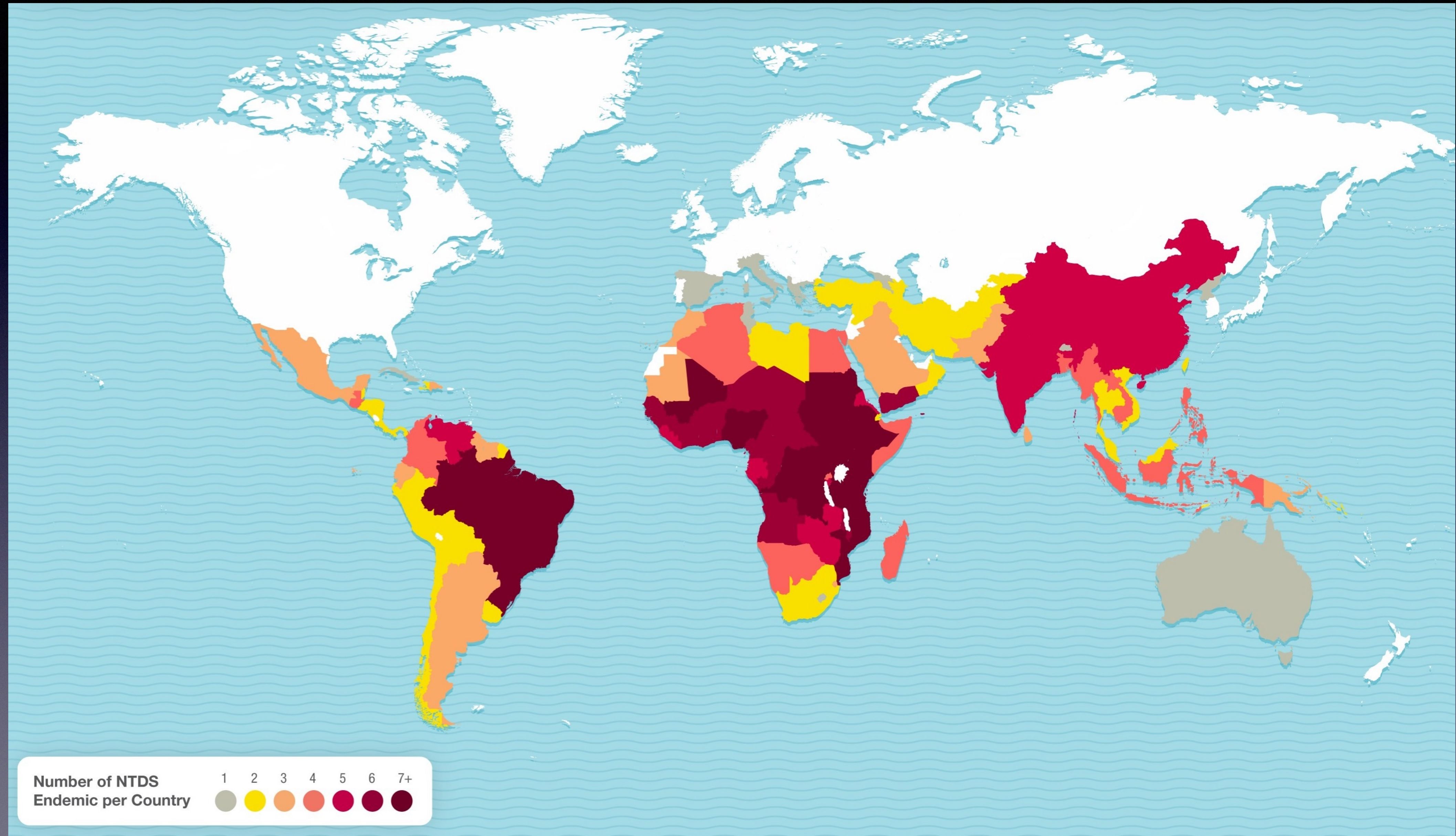


The Neglected Tropical Diseases

- 20 tropical infections:
 - Highly prevalent among the poor
 - Endemic in rural areas of low-income countries
 - Ancient afflictions
 - Chronic
 - Disabling (growth delays, blindness or disfigurement)
 - Stigmatizing
 - Poverty promoting



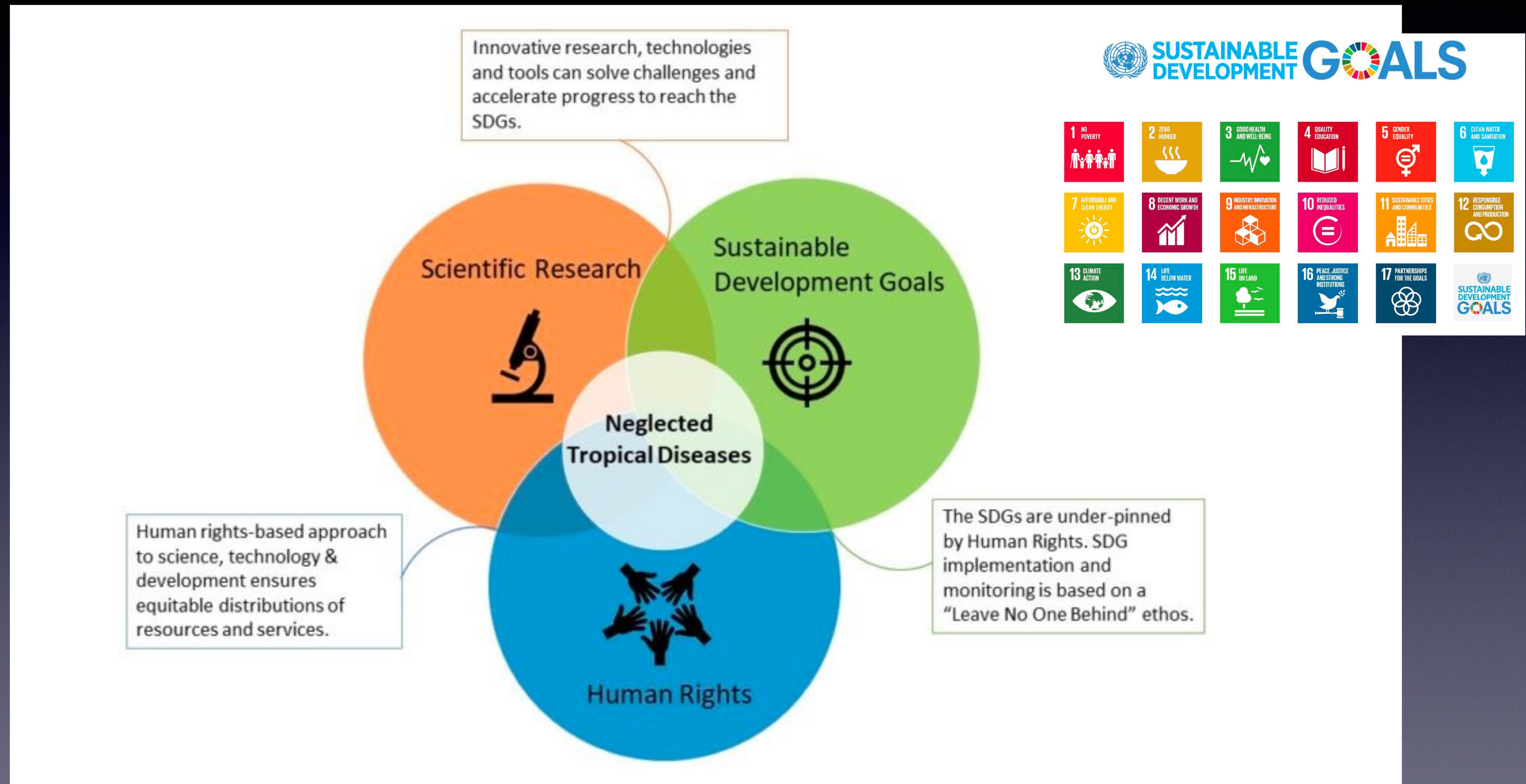
Just a few? Neglected Diseases Worldwide



Cross Borders, Internal Displacement & Inequalities

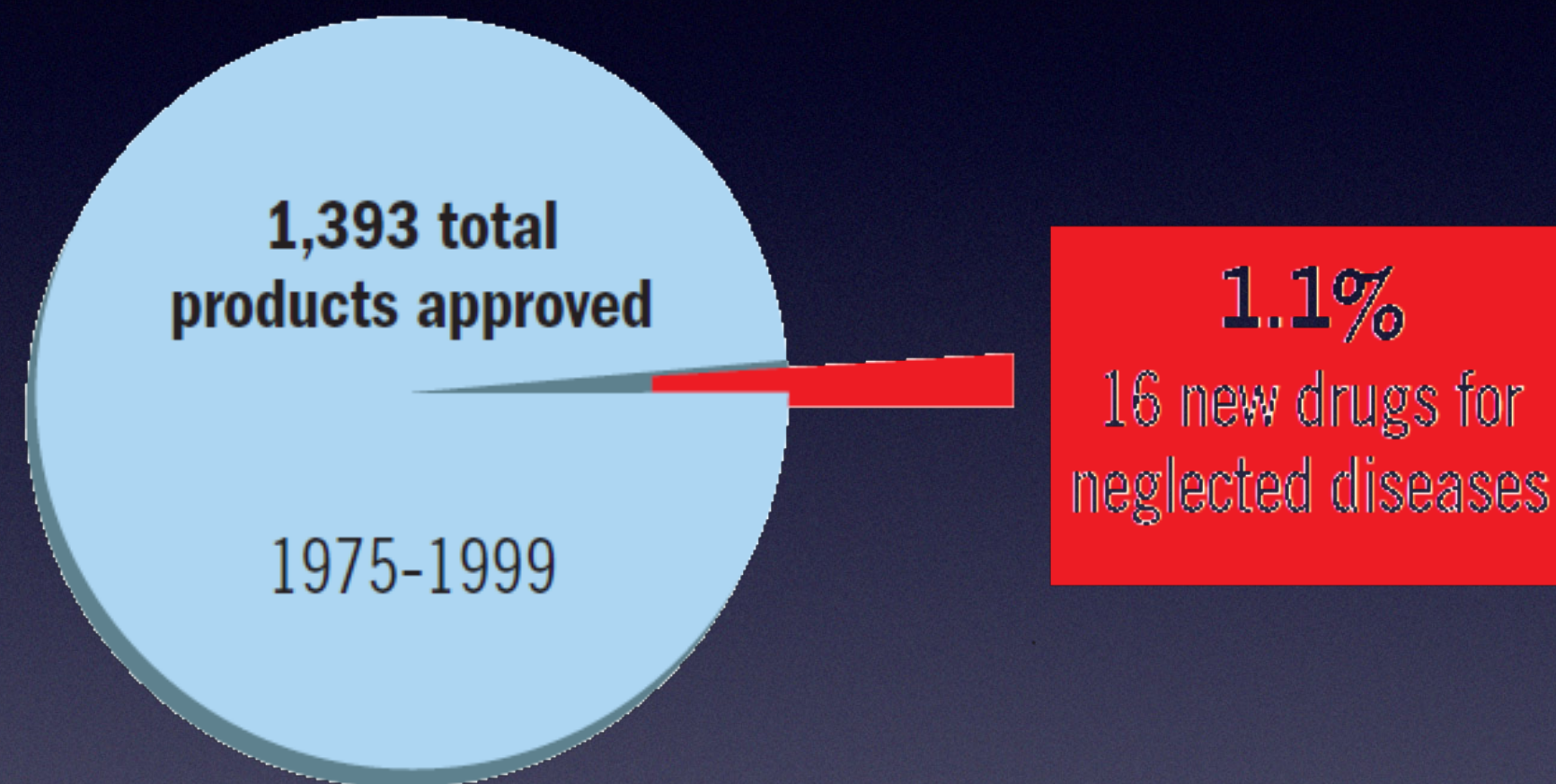


Neglected Diseases - Threat to Development



Progress in R&D has happened but fatal imbalance persists

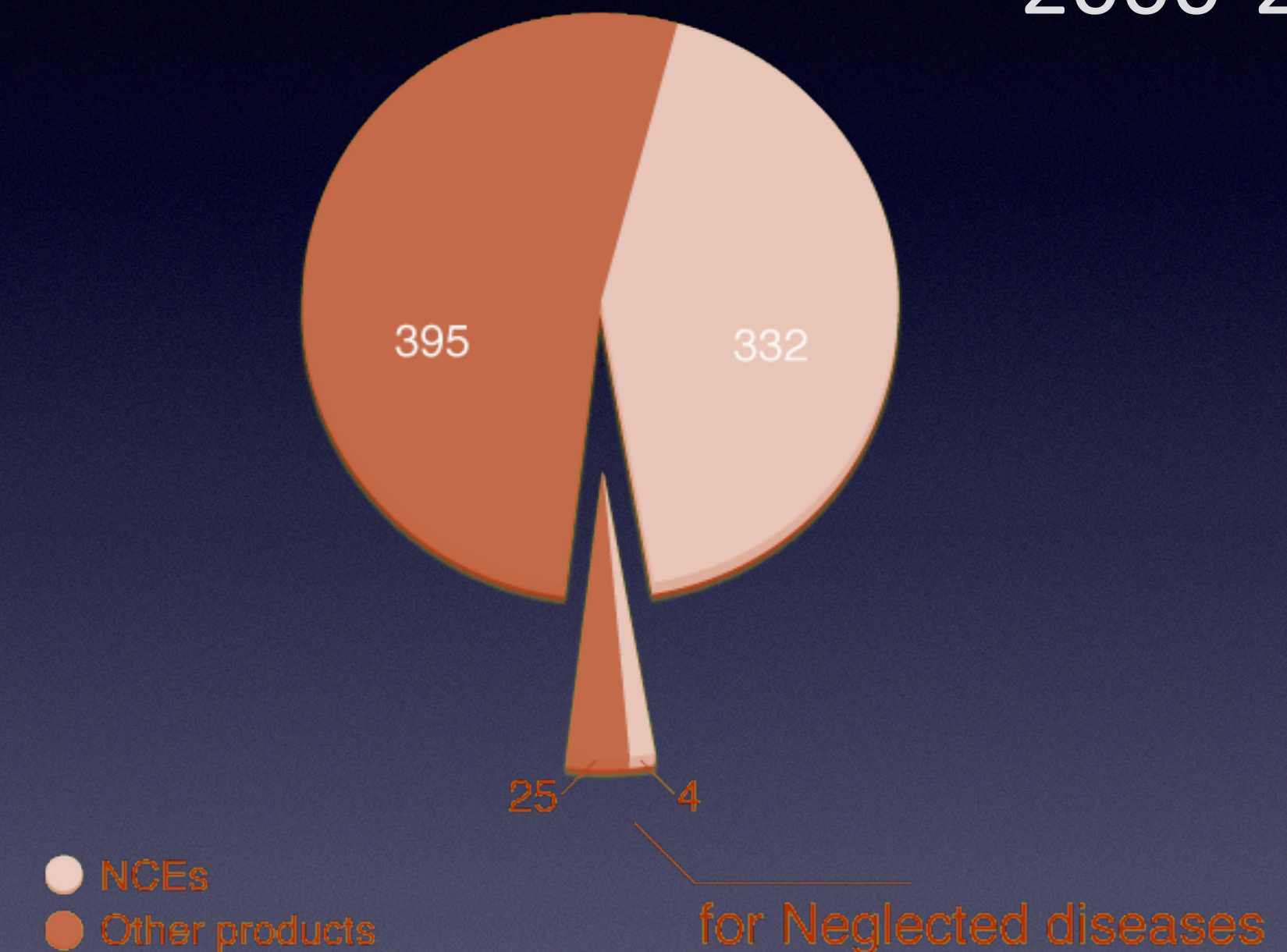
1975-1999



- 1.1% of new products for NTDs, malaria and TB
- But 12% of global disease burden

Other diseases

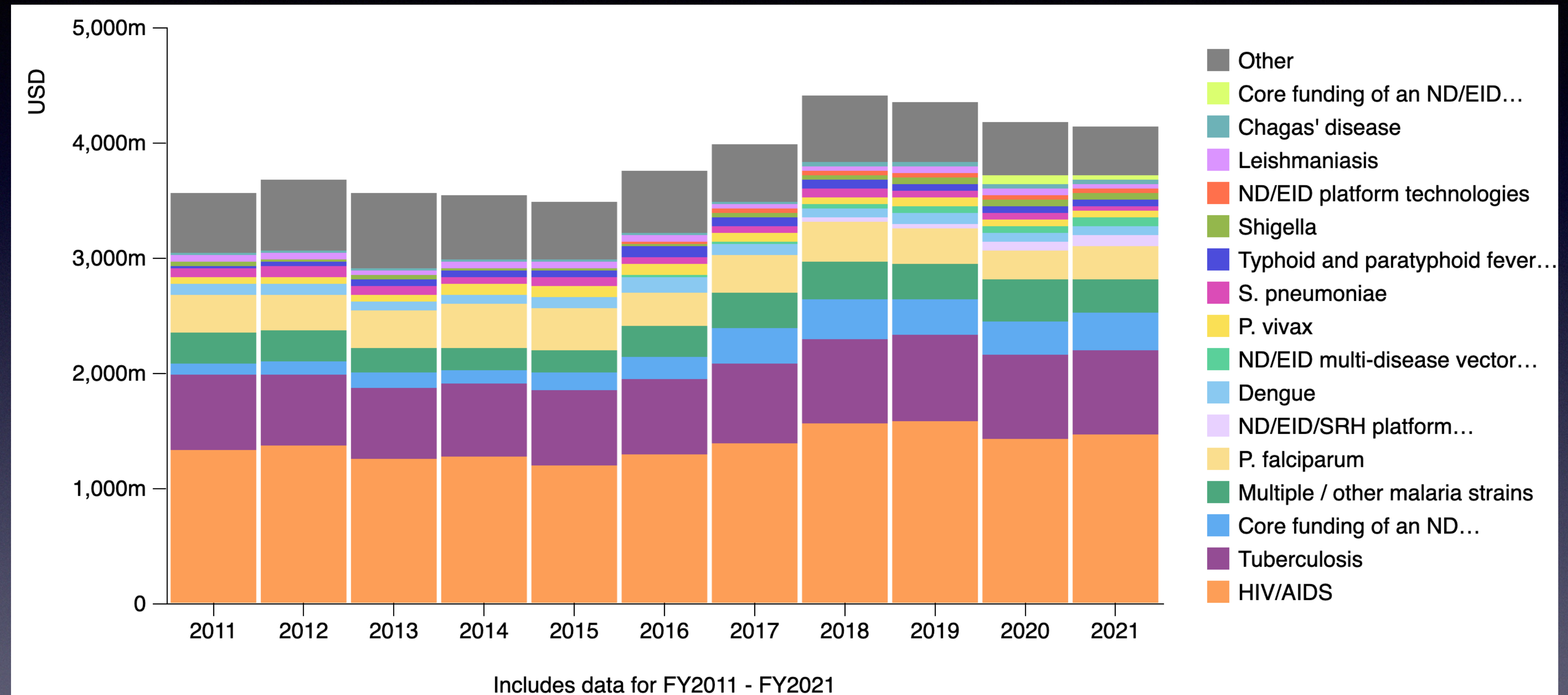
2000-2011



- 756 products registered (excluding vaccines & biologicals)
- 1% of 336 new chemical entities approved for NTDs, malaria and TB
- 1% of 148,445 clinical trials registered for neglected diseases

Global funding for NTDs R&D: still insufficient and unequal

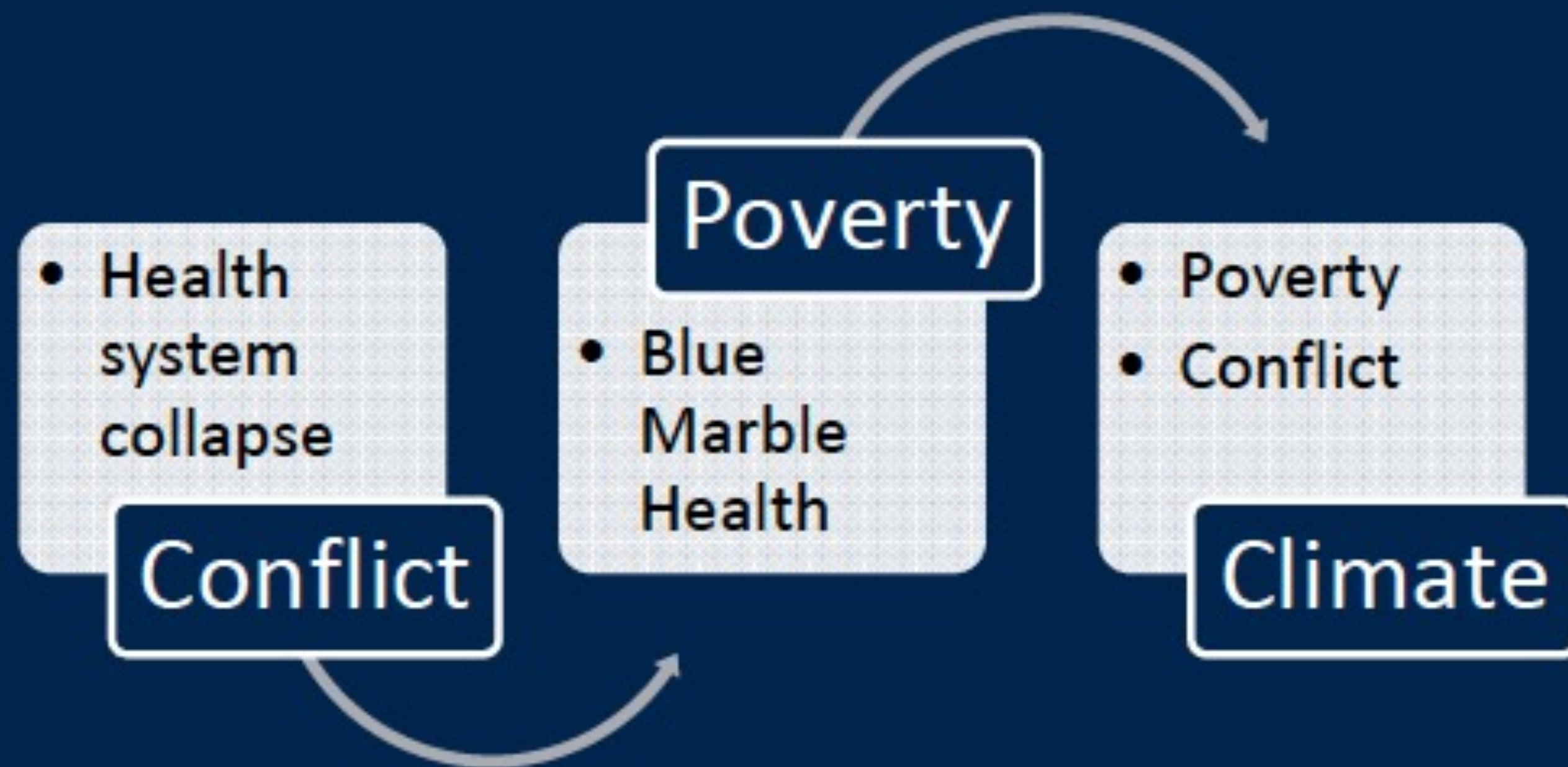
- In 2018, funding for NTDs reached a record high of \$3.9 billion, a 34% increase from 2015.
- Some NTDs continue to receive inadequate funding. Chagas disease, received only 4% of the total NTD funding in 2018



POLICY CURES RESEARCH.

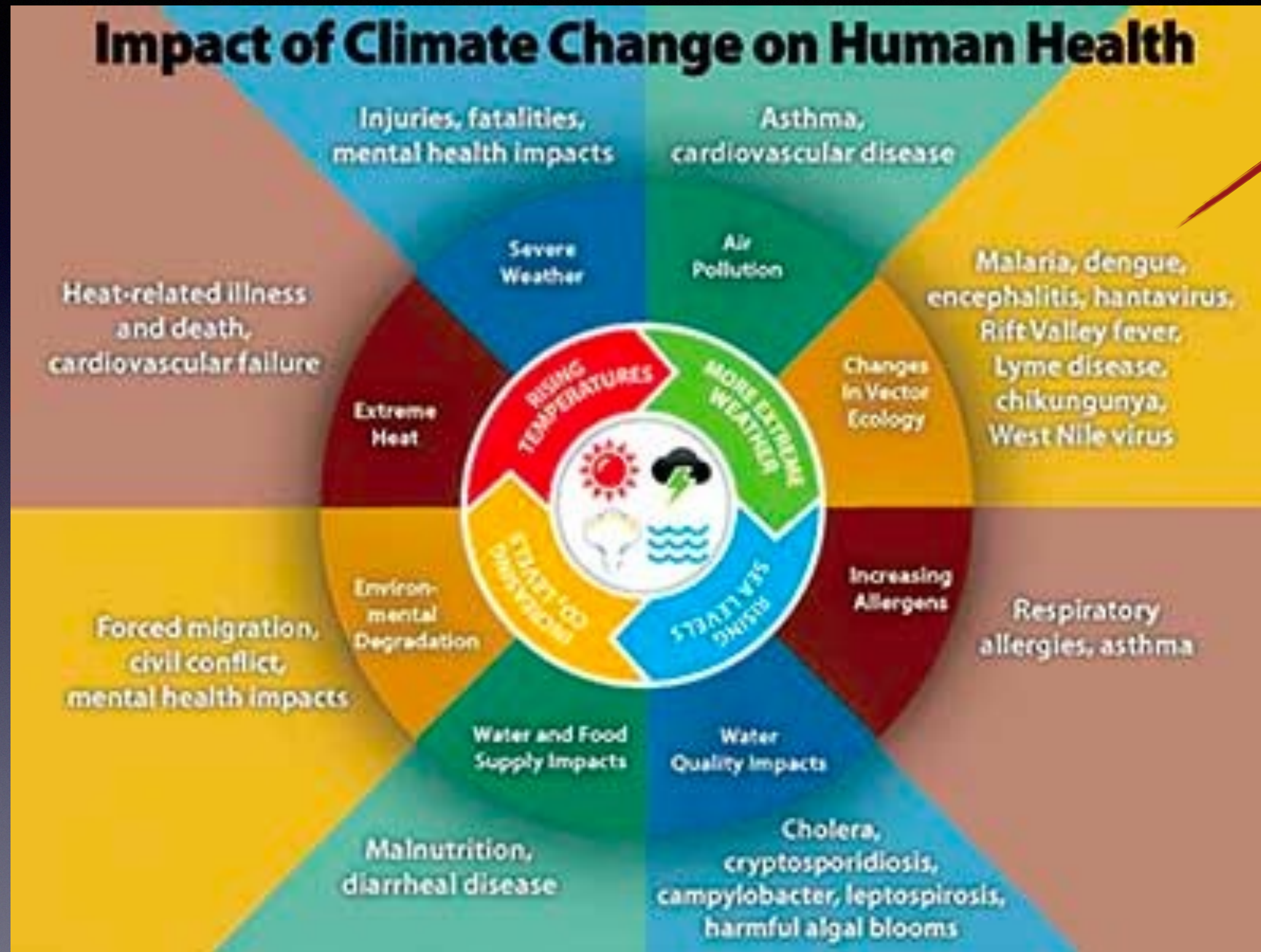
Source: Policy Cures Research, G-FINDER data portal, <https://gfinderdata.policycuresresearch.org>

Three Major Drivers of 21st Century NTDs



Courtesy: Hotez P. Blue Marble Health

Climate Change will Fuel Infectious Diseases



Neglected No More - WHO Global Ambitious Targets

Ending the neglect to attain the Sustainable Development Goals

A road map for neglected tropical diseases 2021–2030
Overview



Pillars in the 2021-30 NTD Roadmap		
Pillar 1	Pillar 2	Pillar 3
Accelerate programmatic Action	Intensify cross-cutting approaches	Change operating models and culture to facilitate country ownership
<ul style="list-style-type: none">• Research and innovation• Strengthening of health systems• Action across multiple diseases	<ul style="list-style-type: none">• Cross-cutting & integrating approaches across diseases• Mainstreaming delivery platforms• Coordinating efforts across sectors	<ul style="list-style-type: none">• Pragmatic shifts in organizational structures• New ways of working between and across health programs



Thank you