# The future of Combatting Neglected **Tropical Diseases** World Health Summit 2025, Berlin

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WORLD HEALTH ORGANIZATION









#### Structure of my presentation

- 1. WHO Global Malaria and NTDs programme
- 2. Progress of NTD programs to date
- 3. Barriers
- 4. Opportunities and enablers for sustainable and countrydriven NTD interventions
- 5. Key recommendations for the years to come



#### WHO Global NTD programme

- Established as a WHO department in 2005
- Core functions:
  - Develop guidance and standards
  - Receive, process, manage data and report progress
  - Identify priority research gaps
  - Facilitate validation of new tools
  - Coordinate access to medicines and diagnostics
  - 3-level support to countries
- Responsible for more than more than 21 diseases and group of diseases
- MERGED with Global Malaria Programme in 2025





#### NTDs: WHO-recommended intervention strategies

#### 1. Preventive chemotherapy (mass treatment)

- Large-scale distribution of medicines to entire population groups
- Can be implemented by non-medical personnel

#### 2. Individual case-management

- Patient-focused detection, diagnosis, treatment and follow-up
- Requires specialized personnel
- 3. Vector control
- 4. Veterinary public health
- 5. WASH

One Health

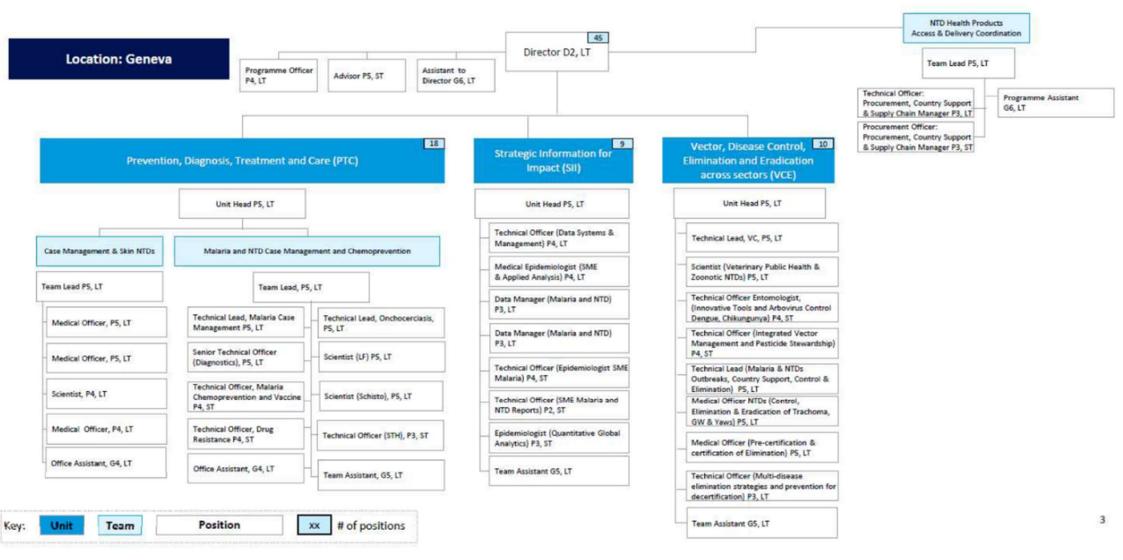
Animal and
environmental

health

Not all strategies are applicable to all diseases, but usually addressing one disease effectively requires more than one strategy

#### Malaria & Neglected Tropical Diseases (MNT) |

#### Approved by WHO Director-General





#### Preventive chemotherapy

# 1.437 billion

treatments were delivered in 2024

# 864.6 million

individuals in need of PC received treatment for at least one disease

#### **Progress 1:** overarching target 1/SDG indicator 3.3.5:

Number of people requiring interventions against neglected tropical diseases

**Target:** 

90%

between 2010 and 2030

**Achieved:** 

**-32%** 

between 2010 and 2023

A decrease of some 695 million people has occurred since 2010, of which 239 million between 2020 and 2023, and 122 million between 2022 and 2023

Trend highly dependent on PC diseases 15 highburden countries (80%)





#### WHO Public Health Targets for NTDs

# Most ambitious Certification Verification **Validation** Less

**Eradication** (reduction to zero of a pathogen at global level)

- Dracunculiasis (Guinea worm disease)
- Yaws

**Elimination** (zero incident infection = zero transmission)

Onchocerciasis

- Leprosy
- Human African trypanosomiasis (g)

**Elimination as a public-health problem** (reach and maintain global targets for both infection and disease, advancing to interruption of transmission for some where possible)

- · Human African trypanosomiasis (r)
- Chagas disease
- Lymphatic filariasis
- Rabies

- Trachoma
- Visceral leishmaniasis
- Schistosomiasis
- Soil-transmitted helminthiases

Control (reduction of morbidity)

All the others

ambitious

#### **Progress 2:**

Number of countries having eliminated at least one NTD

**Target:** 

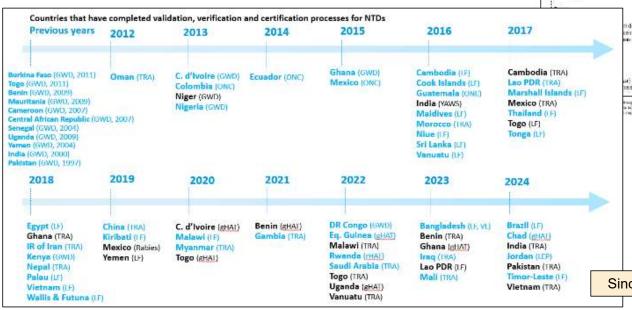
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Achieved:

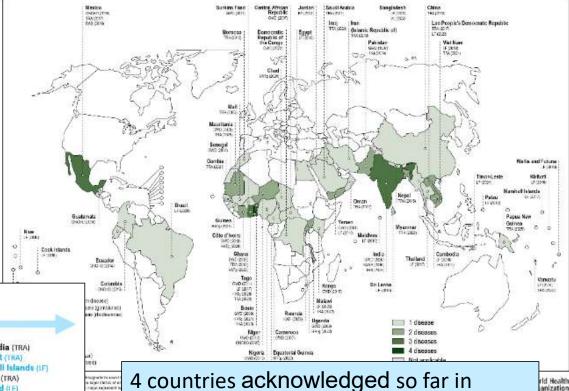
**57** 

Countries by 2030

Countries as of May 2025



Countries having eliminated at least one neglected tropical disease (n=56 as of May 2025)



4 countries acknowledged so far in **2025**:

- Guinea for gHAT (29 January)
- Niger for onchocerciasis (30 January)
- Mauritania for trachoma (19 May)
  - Papua New Guinea for trachoma (19 May)

Since 1997, 79 acknowledgment processes have been successfully completed

#### Global status of preventive chemotherapy (as of 31 March 2025)

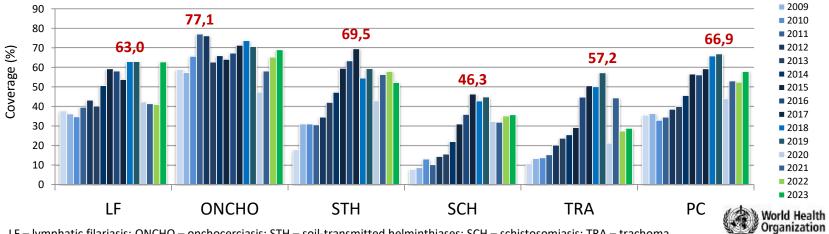
PC implementation	LF	ONCHO	STH		SCH		TRA	PC <sup>6</sup>
re implementation		ONCHO	PreSAC	SAC	SAC	Adults	IKA	PC
Number of countries requiring PC <sup>1</sup>	38	28	8	6	5	0	28	100
Number of people requiring PC	657M	249.5M	253.1M	623.0M	135.5M	117.8M	114.2M	1493M
Number of countries implemented and reported	31	23	32	53	34	20	22	67
Proportion (%) of districts implemented PC <sup>2</sup>	72.9	81.6	29.9	61.3	40.5	13.5	30.1	ND
Proportion (%) of districts achieving effective coverage <sup>3</sup>	84.8	91.9	58.4	69.1	62.5	35.1	81.1	ND
Number of people in need treated <sup>4</sup>	412.4M	172.2M	98.0M	359.4M	76.6M	14.2M	32.9M	864.6M
Coverage (%) <sup>5</sup>	62.8	69.0	38.7	57.7	56.5	12.0	28.8	57.9

<sup>&</sup>lt;sup>1</sup> Number of endemic countries moved to post-treatment surveillance stage is not included in total.

2008

Source: WHO/NTD

<sup>&</sup>lt;sup>6</sup> For calculation of PC coverage for at least one disease TRA data is included starting from 2015.



LF – lymphatic filariasis; ONCHO – onchocerciasis; STH – soil-transmitted helminthiases; SCH – schistosomiasis; TRA – trachoma PreSAC – preschool-aged children (1–4 years); SAC – school-aged children (5–14 years); Adults – people aged ≥15 years

<sup>&</sup>lt;sup>2</sup> Proportion of known endemic districts implementing PC in countries that reported on PC interventions.

<sup>&</sup>lt;sup>3</sup> Proportion of districts implementing PC achieving the defined effective coverage for the disease ≥65% for LF and ONCHO, ≥75% for STH and SCH, and ≥80% for TRA.

<sup>&</sup>lt;sup>4</sup> Number of people received treatment in areas where PC is required according to the recommended strategy for a specific disease.

<sup>&</sup>lt;sup>5</sup> Coverage is calculated as the number of people treated out of total population requiring PC.

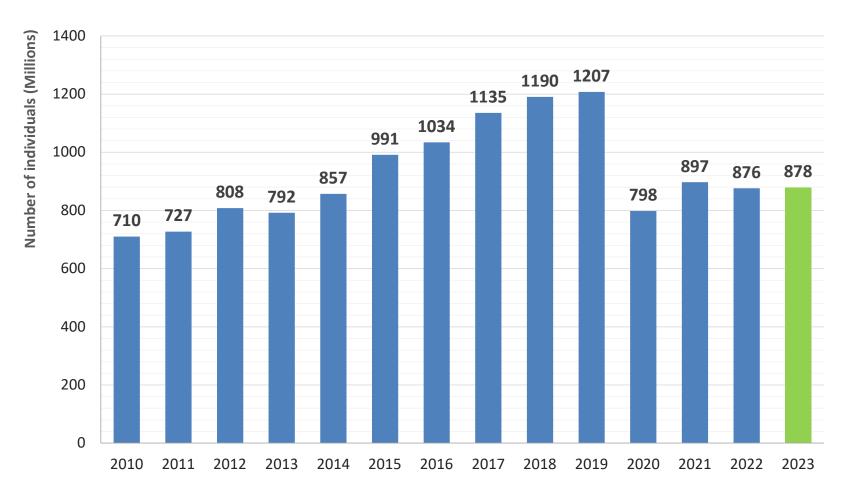
3. Barriers to sustainability of NTD

programs





#### Number of individuals received Preventive Chemotherapy (PC) interventions for at least one disease, 2010-2023 (as of 31 March 2025)

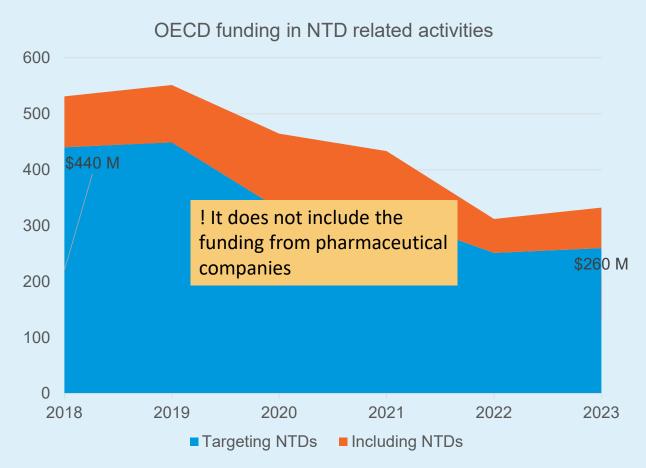


These interventions have been delivered to individuals living in areas which require PC and also in areas which may not require PC

Decline of ODA from larger donors also effecting NTD interventions and hardwon gains, leaving a critical gap in program delivery at the country level.

- 2018: \$531M NTD-specific and related programs.
- Annual Decline: Avg. 9% per year.
- 2023: Funding for NTDtargeted projects dropped to \$260 M (41% decrease from 2018).





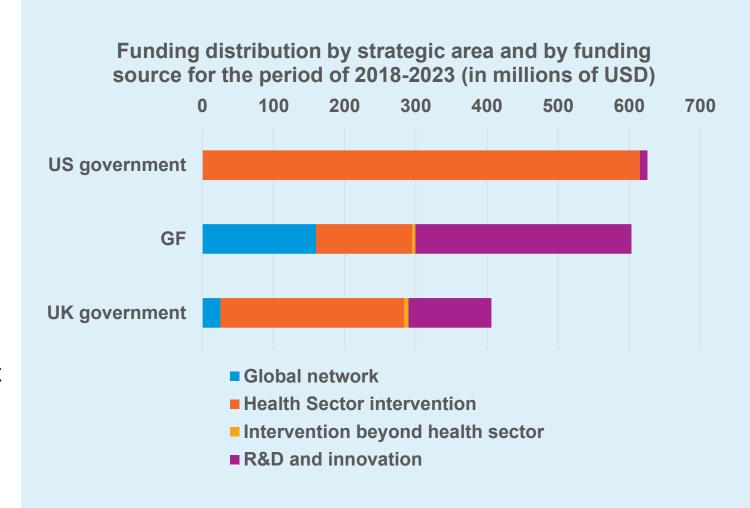
#### Note:

- Targeting NTD: Projects where NTDs are the main diseases targeted.
- Including NTD: Projects with broader objectives, where one or several NTDs are among the diseases addressed.

## Investment focus of the three biggest donors

- US and UK ODA were predominantly focused on health sector interventions, highlighting a strategic emphasis on strengthening health systems to combat NTDs.
- The Gates Foundation allocated 50% of its NTD funding to R&D
- A decline in ODA from the US and UK primarily affects external support for implementing NTD interventions, leaving a critical gap in program delivery at the country level.





#### **USAID** stop work impact on NTD funding

#### **Act to End NTDs West**

- Supported elimination of 5 NTDs
- 11 countries (Benin, Burkina Faso, Cameroon, Ghana, Guinea, Cote d'Ivoire, Mali, Niger, Senegal, Serra Leone, and Togo)
- MI A impact surveys, elimination dossier and sustain/mainstream NTD into national health systems
- 2023-2026
- \$120 million

#### **Act to End NTDs East**

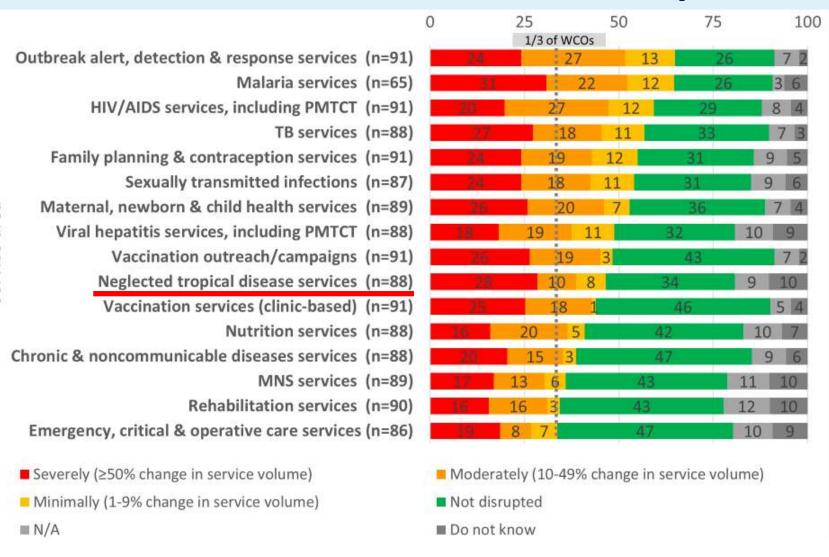
- Supported elimination of 5 NTDs
- 13 countries (Bangladesh, DRC, Ethiopia, Haiti, Indonesia, Lao PDI, Mozambique, Neval, Nigeria, Philippines Tanzakia, Uganda, and Vieman)
- MDA, impact surveys, elimination dossier and sustain/mainstream NTD into national health systems, sustainable financing
- · 2023-2026
  - \$125 million

#### **Ending Neglected Diseases through Operational Research (ENDOR)**

- Support **priority OR** on NTDs and **cross-cutting** strategies
- Partnership between TFGH ARNTD -KNUST
- Thresholds for elimination (oncho, SCH, TH)
- Surveillance- PC and skin NTDs
- Diagnostics
- 2024-2029
- \$45 million



#### Essential health services are disrupted



70% WHO Offices reported disruptions in health services

#### Global effort to mitigate USAID-stop impact on NTDs







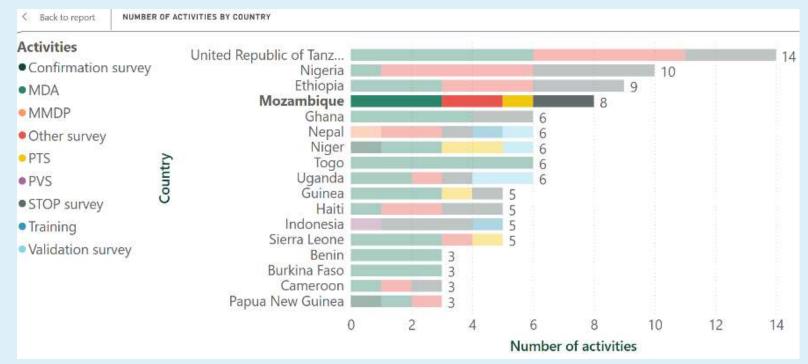












# Main barriers to achieving sustainability in NTD programmes

- Low political prioritisation Limited visibility and weak support from senior leadership.
- Dependence on external funding
- Weak governance and coordination
- Limited human capacity
- Poor integration and vertical programming of health campaigns

- Low community engagement and awareness
   Minimal involvement of communities in decision-making.
- Political & Economic Instability
- Competing Health Prioritie
- Lack of Cost-Effectiveness Data for NTD

# 4. Opportunities and enablers for sustainable and country-driven NTD interventions

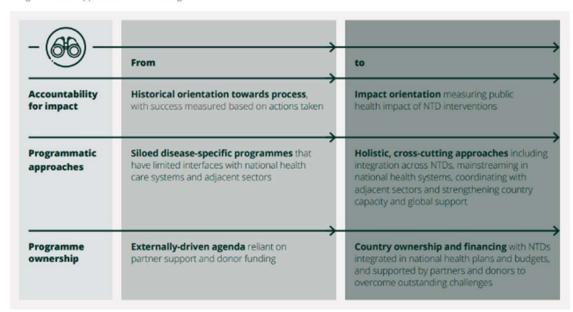




#### Integration and Health Systems Strengthening

- •Pillar 1: Accelerate programmatic action (disease control, elimination, eradication)
- •Pillar 2: Intensify cross-cutting approaches (integration, mainstreaming into health systems, multisectoral action)
- •Pillar 3: Change operating models and culture to facilitate country ownership and sustainability

Fig. 4. Shifts in approaches to addressing NTDs





COUNTRY	MODEL	DELIVERY PLATFORM	KEY OUTCOMES	NOTABLE CHALLENGES
BENIN	-School and community-based	- Community health workers for onchocerciasis	- 50% cost reduction for onchocerciasis	- Need for stronger coordination
	MDAs	- Schools and community workers	- Up to 75% savings for SCH/STH	- Capacity-building for
			- Improved coverage and sustainability	sustainability
ETHIOPIA	-Integrated into	-Health extension workers, teachers	- Millions reached via MDA and	-HR shortages
	decentralized primary health-care system;	-Health Development Army	surgery	-Financing gaps
	neami-care system,	-Electronic Collaborative Action	- 5 Integrated campaigns (e.g., HPV, polio)	-Digital integration needs
		Strategy piloted in 2024 for campaign coordination;	- Inclusion of NTDs in national health information system	-Logistical constraints

Ethiopia: Campaigns have combined activities such as catch-up vaccinations, malaria testing, insecticide-treated net (ITN) distribution, malnutrition screening, Vitamin A supplementation, and services for pregnant and lactating women. A joint polio reactivation campaign reached over 6000 zero-dose children across five regions. The HPV (human papillomavirus) vaccination campaign in November 2024 was integrated with adolescent nutrition screening, reaching over 45 000 girls.

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ETHIOPIA	-Integrated into decentralized primary health-care system;	-Health extension workers, teachers	- Millions reached via MDA and	-HR shortages	
		-Health Development Army	surgery	-Financing gaps	
		-Electronic Collaborative Action Strategy piloted in 2024 for campaign coordination;	- 5 Integrated campaigns (e.g., HPV, polio)	-Digital integration needs	
			- Inclusion of NTDs in national health information system	-Logistical constraints	
KENYA	-Government-led	-Community health promoters (CHP)	-6000 CHPs and 400 assistants	-Health worker overload	
	integration into primary health care	•	trained	-Limited MDA-specific data	
	Health Care	Information System used	-Increased coverage	tools	
			-Reduced patient costs	-Lack of sustained funding	
			-Improved data flow	and policy support	
			-Stronger governance		

COUNTRY	MODEL	DELIVERY PLATFORM	KEY OUTCOMES	NOTABLE CHALLENGES
MADAGASCAR	-MDA + polio + vitamin	- Door-to-door and fixed-point	-90% coverage, \$1.4M saved	-Staff workload
	A campaign	strategies	- 82% treatment coverage	-Supply chain complexity
			- 100% geographical coverage	-Unclear messaging
			- Up to 89% cost savings	-Minor adverse events and some treatment refusals
NIGER	- Since 2007 annual	- Unified national teams	-Elimination of onchocerciasis transmission	-Sustaining large-scale coordination
	integrated MDA campaigns with unified	- Shared planning and logistics	transmission	coordination
	teams and shared		-Control of LF	-Need for adaptive
logistics			-Effective management of trachoma and intestinal worms	management and continuous strategic planning
			-Improved geographical and therapeutic coverage	
RWANDA	-Multisectoral NTD	- Community health workers	-Achieved >90% treatment coverage	- Financing and staffing
	integration within health and across	- Schoolteachers	-100% geographical coverage for	constraints
	nealth and across ministries; -SCH/STH	- Rwanda Biomedical Centre	STH/SCH	- Digitalization demands
	MDA integrated into	coordination	-Since 2021, adults included in all MDA	investment
	maternal and child		rounds	
	health weeks		-100% operational costs funded	
	-Cross-training		domestically	
	entomologists for mosquitoes, snails, and black flies.		-Skin NTD pilot in 4 districts	

COUNTRY	MODEL	DELIVERY PLATFORM	KEY OUTCOMES	NOTABLE CHALLENGES
TANZANIA	-Integrated MDA with nutrition services; pilot in co-endemic districts for trachoma and STH	- House-to-house and fixed-point - Community and district coordination	<ul> <li>Improved reach and efficiency</li> <li>Progress in NTD and nutrition outcomes</li> </ul>	<ul><li>Complex training and logistics</li><li>Staff turnover due to delayed incentives</li></ul>
TOGO	-National Multisectoral Coordination Framework for NTDs in 2022, operational in 2023 (incl 12 Ministries)	- Pilot integrated MDA SCH/STH maritime region	<ul> <li>Enhanced coordination and cost- effectiveness</li> <li>Stronger national ownership</li> </ul>	<ul> <li>Need for flexible external support</li> <li>Lack of fully functional structure</li> <li>Mobilizing domestic funding to reduce external dependency</li> </ul>
UGANDA	-All case management NTDs (e.g., kala azar, HAT, scabies, rabies) integrated into primary health careMDA for PC-NTDs integrated into Child Health Days, targeting children <15y and pregnant women.	-Joint planning with Uganda National Expanded Programme on Immunization - District focal persons - Primary health facilities	<ul> <li>- Nationwide coverage</li> <li>- 10M tablets saved</li> <li>- Strengthened system capacity</li> </ul>	<ul> <li>- Health worker overload</li> <li>- Limitations of Health</li> <li>Management Information</li> <li>system</li> <li>- Coverage gaps for</li> <li>preschoolers</li> </ul>

#### What Makes NTD Programmes Sustainable

- Domestic ownership and leadership
   Lead NTD efforts, prioritize in budgets, reduce donor reliance.
- Financial and logistical independence
  Secure FLEXIBLE funding, ensure reliable logistics, integrate into health systems.
- Community engagement and empowerment
  Co-design strategies, lead surveillance, promote lasting behaviour change.
- Integrated and multisectoral approaches
  Align with WASH, education, nutrition and climate initiatives.
- Resilience and long-term vision
   Adapt to change and sustain progress beyond donor support.
- Equity and inclusion
  Ensure access for marginalized groups, with gender and disability inclusion.



# **Examples of country integration models of NTD interventions**

- Health systems NTD mainstreaming: Ethiopia, Kenya, Uganda
- Platform based MDA delivery:
  - School and community based MDA (Benin, Niger)
  - · Vitamine A campaign (Tanzania)
  - Polio Immunization (Madagascar)
  - Maternal and child health days (Rwanda, Uganda)
- Multisectoral NTD coordination: Rwanda, Togo



#### NTD "Optimization models" across countries

# Cost Savings & Efficiency

- Benin: Up to 75% savings for SCH/STH
- Madagascar: Saved US\$1.4M, up to 89% budget reduction
- Uganda: Saved 10M tablets via streamlined MDA

## High Coverage & Reach

- Rwanda: >90% treatment coverage, 100% geographical coverage
- Madagascar: 82-91% coverage, 16M+ people reached
- Ethiopia: Millions reached via MDA and TT surgeries

# Strengthened Systems & Workforce

- Kenya: 6,000 Community health promoters and 400 assistants trained
- Ethiopia: NTDs integrated into national health information system
- Uganda: NTDs added to essential medicines list

# Governance & Ownership

- Togo & Rwanda: Strong national ownership and domestic funding
- Kenya: Improved governance and policy support for NTDs

# Disease Control Milestones

- Niger: Elimination of onchocerciasis, LF under control
- Uganda: MDA halted in 60 LF, 33 oncho, and 49 trachoma districts



# Survey outcome on Country Leadership & Sustainability in NTD Programs

#### **Total respondents:**

67

40 NTD program leads/disease managers 27 from national WHO offices,

#### **Questions addressed following topics:**

- ➤ Sustainability: Views on programme sustainability and definitions
- ➤ Key enablers and barriers
- ➤ Country Ownership: Perceptions and definitions of country-driven programmes.
- ➤ Transition Strategies: Actions needed to move towards full country ownership.
- Stakeholder Roles: Contributions of governments, partners, and donors.
- ➤ Health System Integration: Status and steps for mainstreaming NTD programmes.



#### Key actions to enable transition to full country ownership (1)

Planning the Transition	Strengthening Leadership & Capacity	Securing Sustainable Financing
<ul> <li>Develop a clear roadmap for transitioning from partner-led to country-owned NTD programmes.</li> <li>Communicate the plan to national leaders, emphasizing the burden of NTDs and benefits of local ownership.</li> <li>Align partner support with national strategies and priorities.</li> <li>Plan for gradual financial transition with reduced donor dependence.</li> </ul>	<ul> <li>Build leadership skills of NTD programme managers through training and peerlearning.</li> <li>Empower implementers to make decisions independently of donor influence.</li> <li>Ensure strong political leadership with clear commitments at the highest level.</li> <li>Establish or reinforce national multisectoral coordination structures.</li> </ul>	<ul> <li>Increase domestic investment and allocate dedicated budget lines for NTDs.</li> <li>Maximize use of limited funding through costsharing and integration.</li> <li>Create innovative financing mechanisms (e.g., pooled funds, public-private partnerships, solidarity taxes).</li> </ul>
a b organismon		

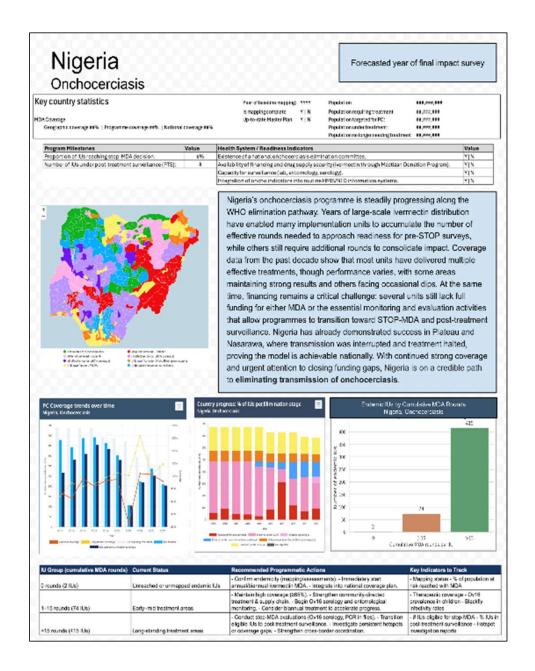
#### Key actions to enable transition to full country ownership (2)

#### **Integrating & Coordinating Efforts** Strengthening Systems & Infrastructure Embed NTD services in primary Establish national NTD mapping healthcare and national strategic and data systems for evidencebased decision-making. plans. Strengthen intersectoral Develop a national strategy for coordination and reduce continuous training of health duplication of efforts. workers. **❖ Use local data** to guide decisions Promote autonomy of health and adapt interventions. districts in managing NTD interventions. Encourage community-led initiatives for NTD prevention and surveillance.

Road Map 2030 onchocerciasis targets, sub-targets and milestones

Indicator	2020 (baseline)	2023	2025	2030
Number of countries verified for interruption of transmission (=targeted for elimination)	4 (12%) Colombia Ecuador Guatemala Mexico	5 (13%)	8 (21%)	12 (31%)
Number of countries that stopped MDA for ≥ 1 focus	9 Ethiopia* Nigeria* Sudan* Uganda* Venezuela* *PTS started	22	24	34
Number of countries that stopped MDA for ≥ 50% of population	6	10	25	>16
Number of countries that stopped MDA for 100% of population	4	6	10	>12

- 2025 marks the midpoint of the NTD 2030 Road Map a key moment to evaluate progress toward elimination goals.
- Mid-term review
   will guide course
   corrections to
   accelerate action
   where programs
   are off track



# A Mid Term Review of The NTD Road Map

- >Extraction of key challenges
- > Recommended actions
- ➤ Identify opportunities to integrate into Health Systems and develop recommendations adapted to each country specific situation.

#### Rockefeller Foundation



From Crisis to Opportunity

- Shaping a Sustainable
Future for NTD Elimination

A Brief Update on the Bellagio Meeting

Country leadership

WHO and regional offices

Pharma and philanthropic partners

Regional organizations (Africa CDC, ALMA)

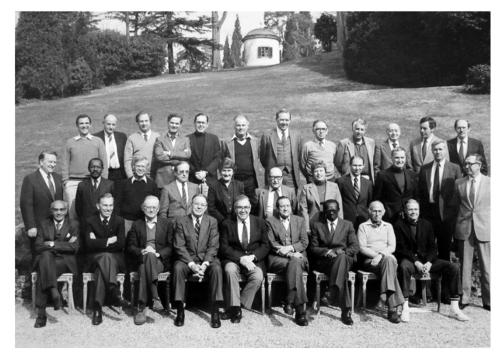
Global Institute for Disease Elimination

Technical experts



#### Rockerfeller Center in Bellagio

Then Now





# 5. Key recommendations from Belaggio Rockefeller C: Principles for Sustainable NTD Programs

#### 1/Countries Lead

- Set priorities, sequence, and integration; partners align.
- Domestic investment already exceeds external funding in many settings.
- Countries are decision-makers, funders, and drivers of NTD programs.

#### 2/Embed Services into Health System

- Move NTD programs from siloed campaigns to primary healthcare & UHC.
- Institutionalize services under government strategies for sustainability.
- Ensure responsiveness to the poorest and most vulnerable populations.

#### 3/Partners Pivot

- Provide catalytic, time-bound support aligned with country goals.
- Co-design, Co invest, be transparent, avoid substituting for governments.
- Encourage mutual accountability with shared metrics and evaluations.
- Fund innovation, capacity building

# Key recommendations from Belaggio Rockefeller C : Financing & Actionable Steps

#### **4/Finance Smartly**

- Protect core functions: surveillance, last-mile delivery, pharmacovigilance.
- External funding must complement domestic resources, not create vertical programs.
- Pursue innovative financing: blended finance, non-traditional donors, integrated health budgets.

#### 5/Short–Medium–Long-Term Actions

- Country Level: Lead services, embed in health systems, strengthen advocacy to prioritize NTD within the health system & build capacity.
- **Global Level**: Develop investment cases, expand alliances, integrate with other health priorities, adapt post-donation guidelines.

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#### In conclusion: A call for Action

- **1.Countries must lead** with ownership over priorities, strategies, and financing.
- **2.NTD services must be embedded** in the Health System— as an essential part of primary health care and universal health coverage. Delivering interventions through Routine services.
- 3.People and Communities must be at the center
- **4.Partners must pivot** from directing to enabling, supporting countries through catalytic, time-bound, and transparent engagement. Fund innovation. Build capacity.
- **5.Financing must evolve** becoming smarter, more diversified, and more sustainable, with domestic investment at the center. There is an urgent need to write off unsustainable external debt to unlock development potential and promote health financing.



# Rakute

# Thank you

