



The Role of non-health sector in Vector Control

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OUTLINE

- GVCR

- NTD roadmap
- Linkage with SDGs
- Examples of non-health sector in vector control
- How can it work –lessons learnt
- Way forward
- What can we do



Enabling factors

- Country leadership
- Advocacy, resource mobilization and partner coordination
- Regulatory, policy & normative support







Sustain the gains, accelerate progress in NTDs: 2030 Roadmap

Neglected Tropical Diseases affect the world's poorest communities

NTDs covered by 2030 roadmap NTDs are NTD burden per million inhabitants, DALYs1, 2016 Buruliuker Mycetores. Not applicable <0.1 0.5-1.49 3-4.49 6-7.49 Chagas closesse chromoblastomycosis varied 0.1-0.49 No data 1.5-2.99 4.5-5.99 >7.5 Dergue and and other deep Chikungunya ттус скана diseases caused by Onchocerclesis / river Drecurculiests parasites, bacteria, On a Delevicente blindnesi fungi, viruses, and disease) Rabias Echimopoposis Scables and other toxins with a range of Poodborne ectoperasities. transmission the matodiases. Sch i stosprtiesis pathways. All of them Human African Solil-transmitted trype nosprelesis he minthleses have devastating (alleeping alckness) Snakebite envenoming health and economic Leistmaniesis Teerstania. impacts on the most Leptosy (Hersen's) Trachorsa impoverished disease) Tevra (Endernic Lymphatic fileriesis. treconemetoses) communities.

The roadmap sets ambitious but realistic global targets for 2030

Across all NTDs



Actions in three areas are needed to implement the strategy and reach the targets

Programmatic progress

Ramp up the efforts against the individual NTDs in technical progress, strategy, and service delivery

Cross-cutting approaches

Increase integration among NTDs, mainstreaming into national health systems, coordination with other sectors and strengthening of country capacity and global support

Operating model and culture

Increase country ownership at national and subnational levels, clarify stakeholder roles and align organizational setups

Cross-cutting approaches

Shift towards cross-cutting approaches will play a critical role in reaching the 2030 targets which would otherwise be unattainable. Four cross-cutting approaches will be necessary

Integrating ...

Coordinating

relevant interventions

... across NTDs: common delivery platforms combining efforts across multiple diseases

among ecosystem stakeholders:

working with other sectors within

Mainstreaming

... within national health systems: improving the quality of NTD management in the context of UHC

Strengthening Health Systems

... in-country foundational systems: improving capacity to deliver interventions on the ground, e.g. supply chain, M&E

... global and regional resources & expertise: expanding overall support for NTD programmes, e.g. advocacy, funding

All stakeholders have a role in achieving the targets; for example:



Countries have strong NTD programme ownership, provide domestic finance and drive adoption of cross-cutting approaches



Implementation partners support the shift towards cross-cutting approaches

Research and development community advances technical progress.



source: all data sourced from were unless otherwise indicated

and beyond health on NTD-

Different forms of coordination

Size of icon is proportional to number of relevant NTDs



Coordination with migration and refugee authorities is required for NTDs that are endemic in settlements for refugees / internally displaced persons

World Health Organization

Other Ministries or authorities

Activities conducted by other ministries or authorities that are relevant for NTDs	
Water and sanitation (WASH)	 Providing access to improved water sources (that are protected from outside contamination) Hygienic conditions for case management e.g. wound washing (rabies), self-care practices and morbidity management (e.g. personal hygiene and wound care for LF, leprosy, yaws), surgical procedures e.g. hydrocele and trichiasis surgeries Sanitation – access to facilities and safe management of fecal waste to prevent transmission e.g. of STH, Taeniasis, FBTs Promoting hygiene practices e.g. hand- and face-washing, prevention of open defecation, food hygiene, filtering water from open water bodies before drinking Proper storage and disposal/drainage of water to reduce vector habitats
Agriculture, environment, livestock, wildlife (One Health)	 Understanding animal reservoirs and zoonotic transmission Treating animals to prevent transmission Vaccinations e.g. mass dog vaccinations (rabies), pig and sheep vaccinations (taeniasis, cystic echinococcosis) Medical treatments e.g. deworming for pigs (Taeniasis), dogs (cystic echinococcosis), foxes (alveolar echinococcosis) Animal husbandry and management e.g. dog tethering (dracunculiasis), keeping domestic animals and livestock away from human dwellings (mycetoma), preventing pig contact with human faeces (Taeniasis)
Education	 School-based mass drug administration¹ against childhood diseases like STH, schistosomiasis, yaws Awareness on practices to prevent NTDs embedded in national curricula e.g. hygiene practices and preventing mosquito breeding sites
Justice / social welfare (human rights)	 Preventing structural discrimination surrounding NTDs associated with high levels of stigma (HAT, leprosy, CL, LF, neurocysticercosis) e.g. abolishing discriminatory laws Promoting inclusive access to resources and facilities, health and social services, education and employment opportunities Conducting anti-stigma interventions e.g. community dialogues, engaging local leaders to share anti-stigma messages
Infrastructure and the built environment	 Housing improvements to minimise available mosquito habitats, including safe storage of water, sanitation, window screening, constructing drains that do not provide breeding sites for mosquitoes, and ensuring air flow to prevent vector entry and help keep houses cool
Food safety	 Food safety practices and regulations, including: For households and food handlers e.g. properly washing and cooking food before consumption, ensuring food quality For farmers and livestock keepers e.g. safe disposal of offal during slaughtering (echinococcoses)

Coordination with the Ministry of Finance, the Ministry of Interior / local governments, and the Ministry of Communications and Information is critical across all diseases

Coordination with migration and refugee authorities is required for NTDs that are endemic in settlements for refugees / internally displaced persons





Successful interventions against NTDs can contribute to various other SDGs



SDGs require strong global partnerships



3 GOOD HEALTH AND WELL-BEING



Interagency Dengue Task Force – Eg Singapore



Mission:

to coordinate nationwide dengue control efforts, such that activities carried out in a sector such as urban development and management of water recourses, do not compromise source reduction and vector control efforts.

Multi-prong Approach to Stakeholder Engagement Wolbachia-based dengue control in Singapore

A systematic and comprehensive community engagement strategy combining science and customised communications to address public sentiments, political views and ethical complexities



Rotarian's Against Malaria (S. Pacific) PNG Solomon Islands – 3H grant

Philippine Shell Foundation Inc. (PR to GFATM) Supported ELF Got more CSR support from mobile network

Bangladesh (Dhaka) - dengue

Documentation needed.

How does it work

- Political support
- Approved Work plan
- Clear roles and responsibilities
- Funding allocated or identified incentives schemes
- Coordination among partners / individuals
- Capacity building across sectors
- Monitoring and evaluation with feed back and corrective action
- Regular communication (trust)



Way Forward

- a. Field implementation and documentation
 - a. Urban environment
 - b. International Health Regulations (points of entry)
 - c. Tourism
 - d. Mining
- b. One Health approach
- c. Global Vector Control Response (IVM)
- d. Universal Health Coverage - focus on prevention
- e. Climate Change and its mitigation

KIGALI SUMMIT 25 JUNE 2020 –

First-ever Global Summit on Malaria and Neglected Tropical Diseases

- An opportunity to garner all stakeholders in malaria, NTDs and beyond.
- Need a special session on Global Vector Control Response with special focus on role of all sectors (multisectoral coordination)
- RBM-GMP-NTD can organize a side event at this summit.





Thank you

