Global Programme to Eliminate Lymphatic Filariasis Country Elimination expectations- 2030 NTD roadmap goals









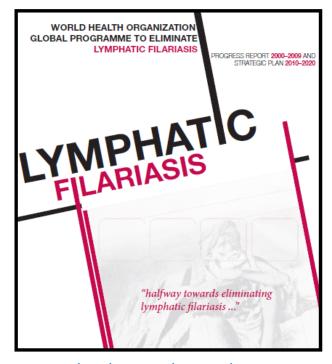
GPELF Strategic Plan 2010-2020

By 2020:

- 70% of countries verified as free of LF
 - +30% under post-MDA surveillance

100% stopped MDA

 Full geographical coverage and access to basic care for lymphoedema and hydrocele offered in all countries



http://www.who.int/iris/handle/10665/44473



NEW Generic Framework for Control, Elimination and Eradication of Neglected Tropical Diseases (NTD-STAG)

WHO/HTM/NTD/2016.6

Target	Defined	Required process
Control	Reduction to locally acceptable level; continued interventions required to maintain reduction	-
Elimination as a public health problem	Achievement of measurable global targets for both infection and disease , when reached, continued actions are required to maintain the targets and/or to advance the interruption of transmission	Validation
Elimination of transmission	minimal risk of reintroduction, continued actions to prevent re-	
Eradication	Permanent reduction to zero of a specific pathogen with no more risk of reintroduction	Certification (formal)

Slide 3



Validation of Lymphatic Filariasis Elimination as a Public Health Problem

CRITERIA

Stop spread of infection through MDA:

A country meets the validation criteria if 100% of endemic areas pass a final TAS conducted no sooner than 4 years after MDA stops.

2. Alleviate suffering with MMDP

Availability of the recommended minimum package of care in all areas of known patients (100% geographical coverage)

VALIDATION OF ELIMINATION OF LYMPHATIC FILARIASIS

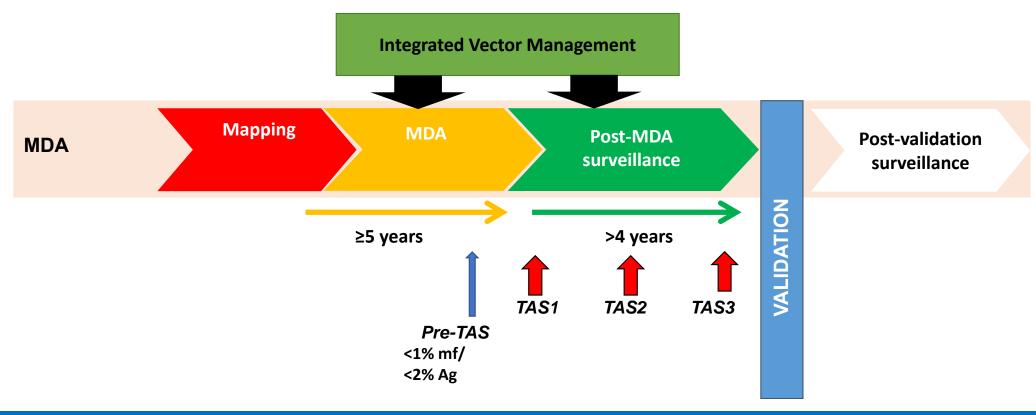
AS A PUBLIC HEALTH PROBLEM



http://www.who.int/lymphatic filariasis/resources/9789241511957/en/

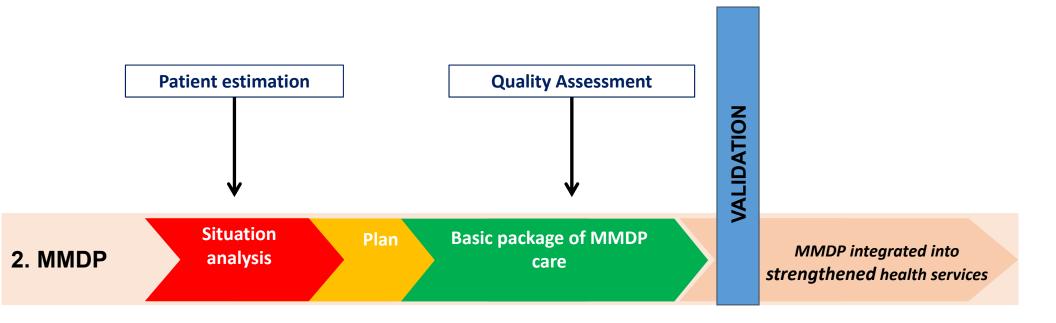


GPELF Strategic Framework





GPELF Strategic Framework



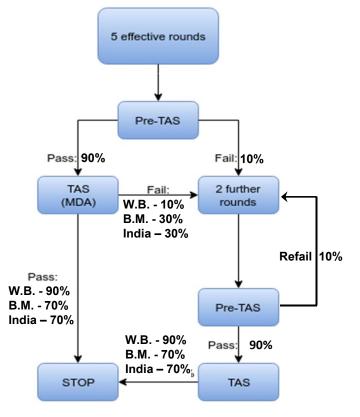


WHO Modelling Approach

- Mathematical (Markov) model developed for the progression of a single implementation unit (IU) through MDA and passing TAS1
- GPELF data (2016) reported to WHO used to establish MDA progress for each IU
- JRSM 2018 used to estimate planned scale-up
- GPELF epidemiological database used to estimate pass rates for the pre-TAS and TAS



Modelling scale down of MDA



W.B. - Wucheria bancrofti

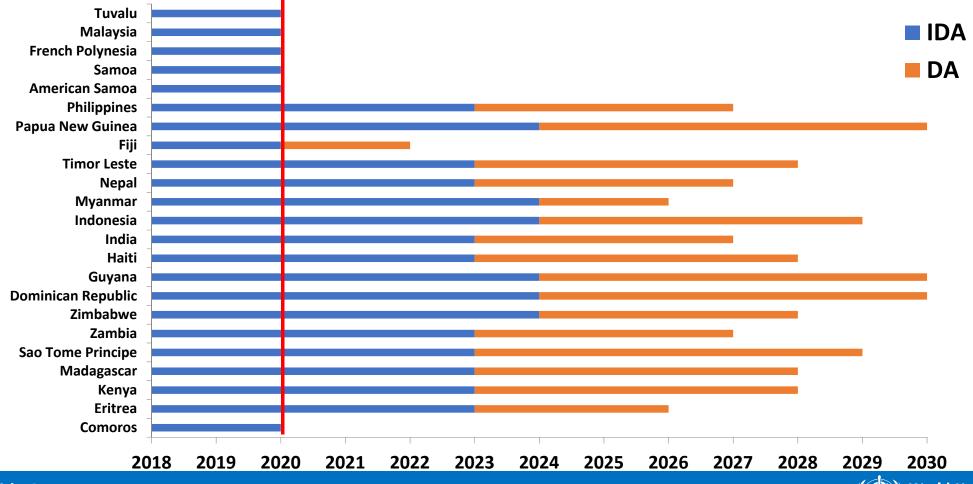
B.M. - Brugia malayi

TAS - Transmission assessment survey

- IUs achieve 5 effective rounds (>65% coverage) and undergo pre-TAS
 - 78% of IUs achieve effective coverage each round
 - 90% of IUs pass pre-TAS
- Pre-TAS and TAS pass-rate dependent on setting and regimen
 - Varies by species and country given existing GPELF data
 - IUs with IDA assumed 95% pass rate
- IUs failing pre-TAS or TAS conduct 2 more MDA rounds
 - Failing IUs assume same pre-TAS and TAS pass rates above
 - Unlucky IUs cannot fail more than 2 times
 - IDA IUs cannot fail more than once
- Other assumptions:
 - 100% geographical coverage 2019
 - MDA is assumed to be given in a TAS year
 - IDA used where warranted

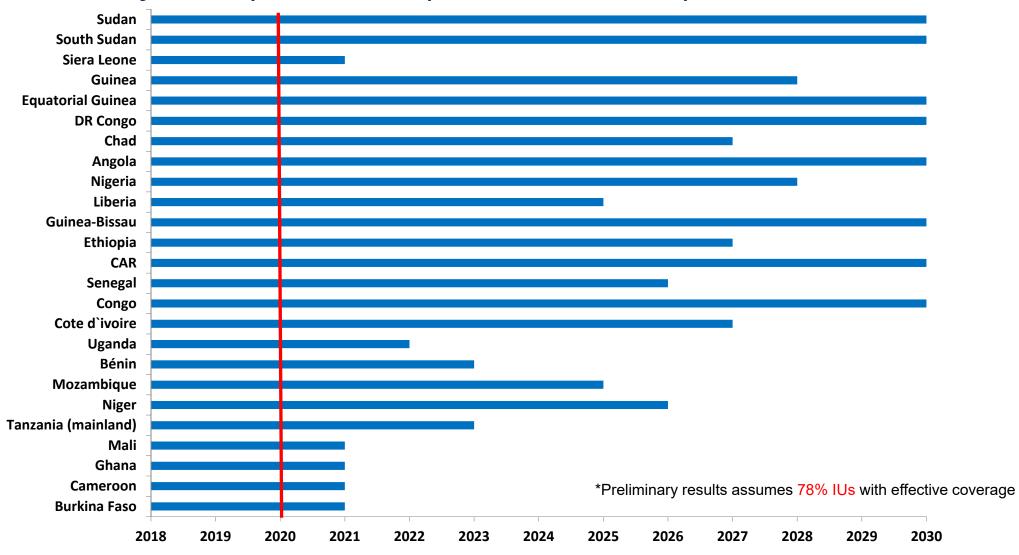


Projected year all IUs pass TAS and stop MDA DEC+ALB





Projected year all IUs pass TAS and stop MDA IVER+ALB



2030 NTD Roadmap





NTD Roadmap 2030 targets for GPELF

- 58 (81%) countries validated for elimination as a PHP defined as -infection sustained below TAS thresholds for at least 4 years after stopping MDA -availability of minimum package of care in all areas of known patients
- 72 (100%) countries implementing post-MDA or post-validation surveillance
- MDA no longer required



Current Status MMDP Monitoring 2018

Not Reporting

New Caledonia

Angola Sudan

Chad Congo

Cote d'Ivoire

Democratic Republic

of Congo

Equatorial Guinea

Gabon

Guinea-Bissau South Sudan

Zimbabwe

12 (17%)

Ever reported number of patients

Cameroon American Samoa Comoros Federated States

Central Africa Republic Micronesia

Eritrea Fiji Guinea Kiribati

Madagascar Papua New Guinea

Mozambique Samoa Nigeria Tuvalu

Sao Tome and Principe

Sierra-Leone Uganda Zambia

Brazil

Dominican Republic

Haiti

Malaysia

Malawi
Mali
Senegal
Togo
United Republic
of Tanzania
Bangladesh

Benin

Ethiopia

Ghana

Kenya

Liberia

Niger

Burkina Faso

United Republic Marshall Islands
of Tanzania Niue
Bangladesh Palau
India Tonga
Indonesia Vanuatu
Maldives Vietnam

Reported by IU: patients and

availability of minimum package

Guyana

Egypt

Yemen

Cambodia

Philippines

Cook Islands

French Polynesia

Wallis and Futuna

Lao PDR

Brunei Darussalam

Myanmar Nepal

Timor-Leste

Sri Lanka

Thailand

37 (51%)

23 (32%)



Priorities 2021-2030 MMDP

Action Required	Milestones & Indicators
Prioritize MMDP within primary health care as part of UHC	100% (72) countries included LF interventions in UHC essential package by 2025
Countries monitoring LF morbidity and available care by IU	100% (72) countries reporting to WHO at least partial data by 2023 and complete data by 2025
Countries have data on quality of the provision of care	100% (72) countries have met dossier requirements to report on quality and readiness by 2030

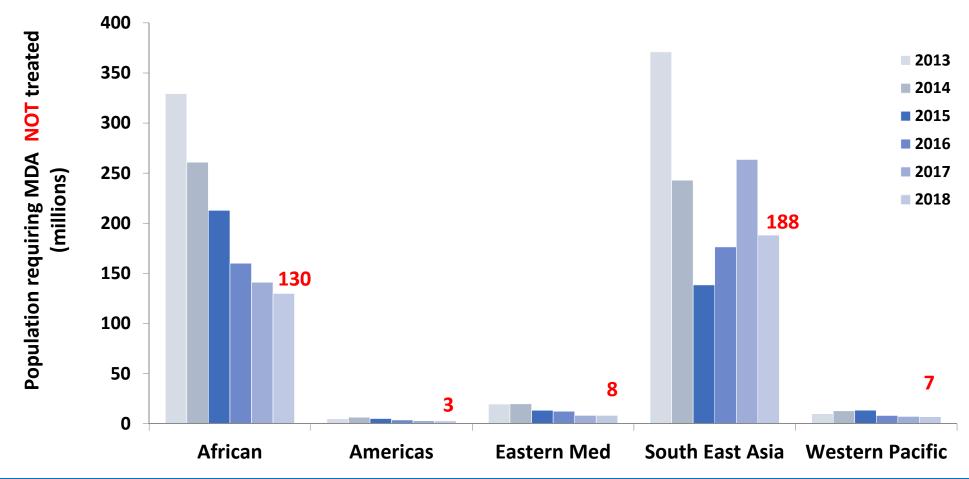


Other critical actions needed - MMDP

- Improve capacity for MMDP within primary healthcare
- Ensure accessible and inclusive care for patients to reduce stigma and improve mental wellbeing is part of UHC essential packages
- Ensure availability of functional facilities for MMDP in the primary healthcare system, including materials for lymphedema management, hydrocele surgery and medicines to treat acute attacks
- Link with Global Surgery Initiatives to ensure availability of surgery in IUs with known hydrocele burden, and with Social services, rehabilitation and mental health to build capacity for assessment and referral for psychosocial support



MDA Gap by Region





GPELF Progress: MDA status of countries 2019

11 (3%)

MDA scaled to all MDA started but not **Post Validation** Post-MDA MDA not started Surveillance Surveillance endemic districts at scale Cameroon **Angola** Benin, Burkina Faso Chad, Côte d'Ivoire, **Central African Republic Equatorial Guinea** Malawi Ethiopia, Ghana, Guinea, Congo Gabon **Democratic Republic Congo** Liberia, Mali, **Brazil Guinea-Bissau** Mozambique, Niger, **New Caledonia** Senegal, Sierra-Leone **Nigeria Dominican Republic** Togo **South Sudan** Tanzania, Uganda, Sudan Comoros, Kenya, Eritrea **Bangladesh** Egypt, Yemen Zambia, Zimbabwe Madagascar Sao Tome & Principe Maldives, Sri Lanka, Thailand Haiti **Brunei Darussalam** Guyana India, Indonesia Cambodia, Cook Islands **Lao PDR Papua New Guinea** Myanmar Kiribati, Marshall Islands Nepal **Timor-Leste** Niue, Tonga, Vanuatu **American Samoa** Palau, Vietnam French Polynesia, Tuvalu **Wallis and Futuna** Fiji, FSM, Malaysia, Samoa, Philippines

35 (41%)



16

3 (0%)

GPELF Priorities 2021-2030 - MDA

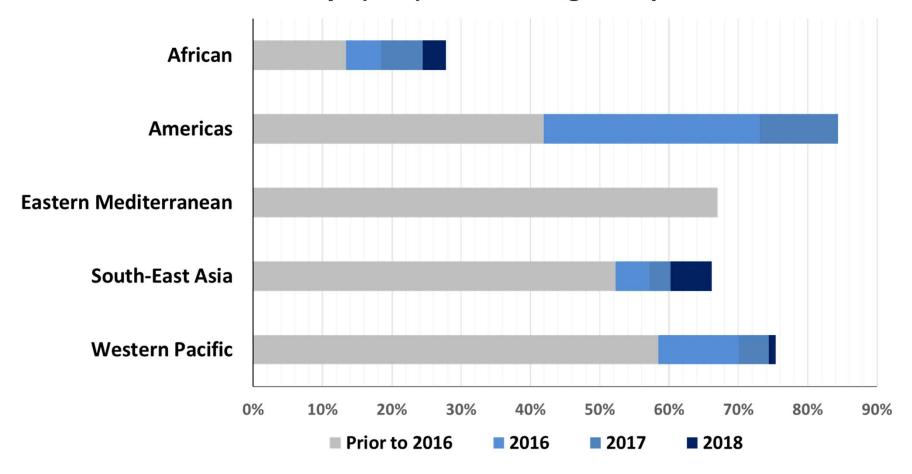
Action Required	Milestones & Indicators
Map uncertain areas	Need for MDA in all uncertain districts defined by 2021
Revitalize MDA to achieve high compliance: -build capacity in social mobilization, microplanning, and supervision	Every year, all IU's target 100% of eligible population in each round
Implement IDA where warranted	100% geographical coverage globally with WHO recommended MDA regimen by 2021

GPELF Priorities 2021-2030 - MDA

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Implement IDA where warranted	100% geographical coverage globally with WHO recommended MDA regimen by 2021
Build capacity - emphasis on quality pre-TAS and TAS implementation	100% eligible IUs implement surveys at recommended timing



Proportion of implementation units that have completed transmission assessment surveys (TAS) and no longer require MDA*





Other critical actions needed - MDA

- Develop strategies to mitigate 'hot-spots' of persistent infection and reach missed populations
- Develop new approaches for urban MDA
- Develop diagnostic test which is not cross-reactive with L. loa
- Improve reliability of current diagnostic tests;
- Ensure reporting of issues with diagnostic tests for quality monitoring



GPELF Priorities 2021-2030 - MDA

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Map uncertain areas	Need for MDA in all uncertain districts defined by 2021
Implement IDA where warranted	100% geographical coverage globally with WHO recommended MDA regimen by 2021
Revitalize MDA to achieve high compliance: -build capacity in social mobilization, microplanning, and supervision	Every year, all IU's target 100% of eligible population in each round
Build capacity - emphasis on quality pre-TAS and TAS implementation	100% eligible IUs implement surveys at recommended timing
Facilitate government support, mobilize resources, expand partnerships	Sustainable resources for programme activities and post-validation surveillance



Critical actions needed - surveillance

- Improved diagnostics
- Encourage sustained commitment post-validation to avoid recrudescence
- Specify the minimum standards for post-validation surveillance (PVS) and how to set up and maintain activities
- Integrate vector management and surveillance (where feasible) through the Global Vector Control Response to supplement MDA
- Define criteria to achieve verification of interruption of LF transmission



