

NTDs

NTDs Part 1: Buruli Ulcer, Chagas, Leishmaniasis

More guidelines, online courses, posters and videos can be found in our NTD TOOLBOX: https://www.medbox.org/630EFA7ADAD06/toolbox/ntds

The World Health Organisation (WHO) currently lists 20 diseases in the group of Neglected Tropical Diseases (NTDs), which primarily affect people in the Global South; women and children are disproportionately affected. These diseases have devastating health, social, and economic consequences for more than 1.7 billion people worldwide, with many millions dying each year. Left untreated, NTDs can lead to chronic conditions, disability, or even death. Given the burdens and effects on the health of people suffering from NTDs, it is an important concern for MEDBOX to continue to promote and intensify knowledge and awareness of this topic. This is why we created the NTD Toolbox which includes material regarding clinical aspects & diagnostics, information & education material, and prevention and control. There will now be a series of Issue Briefs with relevant documents regarding the most important NTDs. The first issue brief on the NTD Toolbox contains general strategies, roadmaps, key treatment guidelines, reports, and training material on Buruli ulcer, Chagas, and Leishmaniasis.

Strategies & Roadmaps

Ending the neglect to attain the sustainable development goals: a rationale for continued investment in tackling neglected tropical diseases 2021–2030 *World Health Organization WHO (2022)*

This document sets out, therefore, to explain the socioeconomic value of investing in the fight against NTDs and highlights priorities for global investment attention. Our work was guided by the need not only for additional funding and funders but also for the need to understand the current funding climate, in which value for money and the efficient use of resources to fill the most critical of gaps are more relevant than ever.

https://www.medbox.org/document/ending-the-neglect-to-attain-the-sustainabledevelopment-goals-a-rationale-for-continued-investment-in-tackling-neglectedtropical-diseases-2021-2030#GO https://apps.who.int/iris/bitstream/handle/10665/363155/9789240052932eng.pdf?sequence=1&isAllowed=y

Ending the neglect to attain the sustainable development goals: a strategic framework for integrated control and management of skin-related neglected tropical diseases

World Health Organization WHO (2022)

Skin-related neglected trioucak duseases, or "skin NTDs", are historically neglected because of active case detection, individual case management, significant



resources and intensive effort are required to control, eliminate and eradicate them. Integrated control and management of skin NTDs offers a pathway to overcome some of these past challenges.

https://www.medbox.org/document/ending-the-neglect-to-attain-the-sustainabledevelopment-goals-a-strategic-framework-for-integrated-control-and-managementof-skin-related-neglected-tropical-diseases#GO https://apps.who.int/iris/rest/bitstreams/1430467/retrieve

DNDi Strategic Plan 2021-2028 | DNDi - English version DNDi - Drugs for neglected diseases initiative (2023)

The Drugs for Neglected Diseases initiative (DNDi) is an international non-profit organization that discovers, develops, and delivers safe, effective, and affordable treatments for the most neglected patients

https://www.medbox.org/document/dndi-strategic-plan-2021-2028-dndi-englishversion#GO https://dndi.org/wp-content/uploads/2021/03/DNDi-StrategicPlan-2021-2028.pdf

Medicine donation programmes supporting the global drive to end the burden of neglected tropical diseases

Bradleya, M.; Taylorb, R.; Jacobsonc, J. et al (2021)

Neglected tropical diseases (NTDs) are targeted for global control or elimination. Recognising that the populations most in need of medicines to target NTDs are those least able to support and sustain them financially, the pharmaceutical industry created mechanisms for donating medicines and expertise to affected countries through partnerships with the WHO, development agencies, nongovernmental organisations and philanthropic donors.

https://www.medbox.org/document/medicine-donation-programmes-supportingthe-global-drive-to-end-the-burden-of-neglected-tropical-diseases#GO https://doi.org/10.1093/trstmh/traa167

INFORMATION & EDUCATION MATERIAL (IEC)

Standard operating procedures for supply chain management of health products for neglected tropical diseases amenable to preventive chemotherapy *World Health Organization WHO* (2022)

The first edition describes the standard operating procedures for health products for NTDs amenable to preventive chemotherapy and the medicines donated to treat them

https://www.medbox.org/document/standard-operating-procedures-for-supplychain-management-of-health-products-for-neglected-tropical-diseases-amenableto-preventive-chemotherapy#GO https://apps.who.int/iris/rest/bitstreams/1454030/retrieve



STRATEGIC PLAN 2021-2028



Nere Klask Nee Nee Nee 199 2021.028 100-144 die 10.00035 Automotivitiesbeit Advense Assess-publicati	lar 31 Amorg 2021
Medicine donation programmes burden of negle	supporting the global drive to end the octed trapical diseases
	langana Sana", Abi ka Hagiline", Jalin Jananet", Japan Lannan?, Juluh Danimar Wadagir', Salayaki Haler, Kisi kan Da Haryel', amad', Haria Babaria Haler', Ana Tajimar', and Litis Dilanan'
McKing Jan, 2025. "Conversional Extension: of Microwanov downstring Jonassenet, Arc. J. A. (2016). Microwanov faced: Nano Jonassen, Arc. J. M. (2016). Microwanov faced: Arc. Jonassen, Conversional Microwanov, Arcano and Arcanovanasian, Berlin, Jonesson Education, Berlin, J. Bard, Jonesson, Conversional & Conversional Statistical Conversionation Character West, Statistical Conversion Conversionation Conversion of Conversional Conversion Conversionation Conversion of Conversionation Conversion Conversionation Conversionation Conversionation Conversion Conversionation Conversionation Conversionation Conversionation Conversionation Conversionation Conversionation Conversionation Conversionation Conversionation Conversionation Conversionation Conversionation Conversionation Conversionation Conversionation Conversionationation Conversionationation Conversionation Conversionation Conversionationation Conversionation Conversionation Conversionationation Conversionation Conversionation Conversionationation Conversionation Conversionation Conversionation Conversionationation Conversionation Conversionation Conversionation Conversionationation Conversionation Conversionation Conversionation Conversionationationation Conversionationation Conversionation Conversionationationationationation Conversionationationationationationation Conversionationationationationationationationat	Robel Lind, Par, Strobhenh A. 2016, "Hillings in the segments". Loss tatus in the Minduke Journal Analisation. Converse Advances Markov and theory, Block Advances Advances Advances and the second advances in the Minduke Advances Advances (Minduke Minduke Advances Advances Advances Advances Advances Advances D a bits Hang, angen "Hearing Advances advances advances advances advances the Minduke Advances Advances advances advances advances advances advances advances advances advances advances advances of a bits Hang, angen "Hearing Advances advances advances advances advances advances advances advan
"Comparing some "Mined	WORDDLE end event insingings on
Avanuel 2 September 2015; extent 3 Horenber 2005	Allored Access 30 memory 2018, accessed 13 Secondary 2018
tion was a visual of instabutes to supplicitize the plannary state of the state of the state of the state dama of the state of the state of the state of the state dama of the state of the state of the state of the host state of the state of the state of the state of the dama of the state of the state of the state of the dama of the state of the state of the state of the dama of the state of the state, we returned as the state of the state of the state, we returned as the state of the state of the state, we returned as the state of the state of the state, we returned as the state of the state of the state, we returned as the state of the state o	
Repeating we have a series of the series of	et topical diverses, partner hije, phoresteral companies, 16 (1988)
Hedicine danetics programmes for the reglected trapical diseases	oncod, has not providy within a scatter action showed from.
Broug the takeness of core dy to copying of a factors, then here against copying diseases (COS), which will be a basis of induces of people, where it has worked in their un- sored peopletisms. Use results, these diseases near pa- ands (mainting) is the patient leader cover name pa- ands (mainting) is the patient leader cover name pa- ter medicines resulted to control or peak distribution them dis-	vars, have for invalues of phase-basis and invaluences approximation statistics, but discription the EBDA a significant invalue- happen senior the checklichisms of the underd phase- transmission of the senior strategy leader of large scale deviations of the reside registrow the new of the KTA seniority of an used in the reside registrow the many of the KTA seniority of an used in reside registrow the new of the KTA seniority of an used in the reside registrow the new of the KTA seniority of an used in the residence of the KTA seniority of the KTA
Considered The Antonia Science and	



ENVISION WEBINAR: Using the NTD IEC and Social Mobilization Toolkit *Act to End NTDs East (2023)*

Webinar

https://www.medbox.org/document/envision-webinar-using-the-ntd-iec-and-socialmobilization-toolkit#GO https://www.youtube.com/watch?v=mhNm6nFHI1M

Vector-borne diseases: a handbook for pharmacists - Disease prevention, control, management and treatment Gromek K., Hung M., Montero N. et al (2020)

The Pharmaceutical Forum of the Americas (PFA) has previously published

guidelines and organised campaigns for community pharmacists on the prevention, detection and control of arbovirus infections in 2018 with a grant from the FIP Foundation for Pharmacy Education and Research. Building on that expertise, FIP joined efforts with the PFA and is now publishing its first-ever handbook to support pharmacists in the area of vector-borne diseases. As the integration of the regional forums in FIP advances, such collaborative projects are tangible results of an increasingly regionally informed and regionally targeted work by FIP.

https://www.medbox.org/document/vector-borne-diseases-a-handbook-forpharmacists-disease-prevention-control-management-and-treatment#GO https://www.fip.org/file/4848





Buruli Ulcer

Recent Advances in the Management Strategies for Buruli Ulcers Popa G.; Muntean Al., Popa M. (2023)

Buruli ulcer (BU) is a bacterial skin infection that is caused by Mycobacterium ulcerans and mainly affects people who reside in the rural areas of Africa and in suburban and beach resort communities in Australia.

https://www.medbox.org/pdf/65b8cb92a8dd1e05000eafa6 https://www.ncbi.nlm.nih.gov/pmc/articles/PMC10538148/pdf/ pathogens-12-01088.pdf

Understanding the transmission of Mycobacterium ulcerans: A step towards controlling Buruli ulcer Muleta, A.J., R. Lappan, T. P. Stinear, et al. PLoS Neglected Tropical Diseases (2021)

Transmission of Mycobacterium ulcerans.

https://www.medbox.org/pdf/635fd9796a1132b74f0bf414 https://journals.plos.org/plosntds/article?id=10.1371/journal.pntd.0009678



	NO.
	Understanding the transmission of
	Mycobacterium ulcerons: A step towards
	controlling Buruli ulcer
	Anthony J. Bullet, ". Rather Langer,", Territy 7, Stream, Onto Granting, "To
	 Reportent of Recoluting, Microal Reconstruction registration denset: diseased player, Australia, 3 Department effortuning and interventing, Trainey, Insteade for Infestor and Interventio, Unitativity of Michigana, Mathematica, Australia, 3 Cambrie Interpretativity, Mathematica, Australia
	* (vs. geeing discust als
	Abstract
Charles for	Montechnic description of a causilie agent of book store, a care to prove debited and and suff taxes during facel and prove the West Man and Suffaced Automatics
	part and set have a measure to any participant of the set of the s
Contraction in the local division of the loc	tens andhumen to human spread a sepipitis. However, the publicipities also carried by
	various mammals and inverteinness, which may same as key reservoirs and mechanical vestions, respectively. Here, we expertise year involves most exidence from these enderses
Samp! (97) Advanty's function of the sector of sector 1.	regime or potential transmission pathways, noting differences in findings tabased distance
ACCESS TO A THE ADART OF THE ADART	
Mark Sachal Linnwesk, Joseph, & Long Sachal Hadi an Mithak Science, 20152 Annio 2	ing adaption of Directionth Ramoworks, to make handratator pathways and others con tool analogue to reduce the spread of Bund usion.
Added in particular	
Support total Automatic States and and a spectrum of the Ballingham States and the States and th	Autor summary
week control to be been add	
Apropulsion of Value products report when private provide the organ	Benall show is a debilisating data and and rissue abuses characterized by large submattive seconds that are recented with artification or with adjunctive energies for advanced conc.
hadre 74 enterlander in internet	Frond probabilities by West Altics and Toulness Australia, the constitue agent is the environmental harvestal melaness. Machinesistian adversary Lack of anderstanding of
	emissionente barrete pelogen. Muchamman alarram Lack of andersonding of transmission pullwars, conditiond with the absence of a vaccine, has hindered effortune
APPENDENT TO A BARANTAN AN	
popular of the number of	ters and behaviours that subsection state of developing Bundi situs, to inform effective
Angeling month Torration Inclusion	

First meeting of the network on Buruli ulcer PCR laboratories in the WHO African Region Centre Pasteur du Cameroon, Yaoundé, 21–24 October 2019 World Health Organization WHO (2020)

https://www.medbox.org/pdf/635fdf3b57d2c54b0b0c0047 https://apps.who.int/iris/bitstream/handle/10665/333592/9789240006652eng.pdf?sequence=1&isAllowed=y

Buruli ulcer laboratory network and new external quality assessment programme for PCR-based diagnosis in the WHO African Region. Terms of reference *World Health Organization WHO* (2020)

https://www.medbox.org/pdf/5f2945d70455975a2b3508a3 https://apps.who.int/iris/bitstream/handle/10665/333593/9789240007222eng.pdf?sequence=1&isAllowed=y

Product profile for a rapid test for diagnosis of Buruli ulcer at the primary healthcare level Diagnostics Technical Advisory Group (DTAG) World Health Organization WHO (2022)

https://www.medbox.org/pdf/63594c3ceae094deb20cc732 https://apps.who.int/iris/rest/bitstreams/1422317/retrieve

Buruli ulcer (Mycobacterium ulcerans infection) - Website WHO World Health Organization WHO (2023)

Early detection of cases is critical to complete cure with combined antibiotics. In its late stages, Buruli ulcer causes severe destruction of the skin, leading to permanent disability.

https://www.medbox.org/document/buruli-ulcer-mycobacterium-ulcerans-infectionwebsite-who#GO https://www.who.int/news-room/fact-sheets/detail/buruli-ulcer-(mycobacteriumulcerans-infection)

Buruli Ulcer Disease: Obtaining Swab Specimens for Diagnosis of M. Ulcerans Infection - Youtube video openmichigan (2023)

Youtube Video

https://www.medbox.org/document/buruli-ulcer-disease-obtaining-swabspecimens-for-diagnosis-of-m-ulcerans-infection-youtube-video#GO https://www.youtube.com/watch?v=8SF4jNe3aSc

Buruli ulcer Community information sheet

State of Victoria, Department of Health and Human Services Victorian Government Australia (2018)











Buruli ulcer - community information sheet

https://www.medbox.org/pdf/636d30bd7ead3a0d9b028194 https://www.health.vic.gov.au/sites/default/files/migrated/files/collections/ factsheets/b/buruli-ulcer-community-information.pdf



Chagas

The Chagas disease study landscape: A systematic review of clinical and observational antiparasitic treatment studies to assess the potential for establishing an individual participant-level Maguire, B.; Dahal, P.; Rashan, S. et al. PLoS Neglected Tropical diseases (2021)

https://www.medbox.org/document/the-chagas-disease-study-landscape-asystematic-review-of-clinical-and-observational-antiparasitic-treatment-studies-toassess-the-potential-for-establishing-an-individual-participant-level#GO https://pubmed.ncbi.nlm.nih.gov/34398888/

Chagas Clinical Research Platform Drugs for Neglected Diseases Initiative DNDi Latin America (2022)

https://www.medbox.org/document/chagas-clinical-research-platform#GO https://dndi.org/global-networks/chagas-platform/

Molecular and Clinical Aspects of Chronic Manifestations in Chagas Disease: A State-of-the-Art Review - ProQuest Medina-Rincón G.J., Gallo-Bernal S., Jiménez P.A. et al Pathogens (2021)

https://www.medbox.org/pdf/6495e32b81e71b8ebc07aa96 https://media.proquest.com/media/hms/PFT/1/P1gbL?_s=Oq7Hf7CecpiQT %2BZNLXbQDoKw7tk%3D







Chagas heart disease: An overview of diagnosis, manifestations, treatment, and care Saraiva R.M., Mediano M.F.F., Mendes F.S. et al World Journal of Cardiology (WJC) (2021)

https://www.medbox.org/document/chagas-heart-disease-an-overview-ofdiagnosis-manifestations-treatment-and-care#GO https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8716970/

Diagnosis and Clinical Management of Chagas Disease Suárez, C.; Nolder, D.; García-Mingo, A.; et al. (2022)

https://www.medbox.org/document/diagnosis-and-clinical-management-ofchagas-disease#GO https://www.dovepress.com/diagnosis-and-clinical-management-of-chagasdisease-an-increasing-chal-peer-reviewed-fulltext-article-RRTM

Education, Communication, and Lots of Creativity: A Good Combination to Face Complex Problems Like Chagas Social Innovations Journal (2023)

The Chagas disease is frequently referred to as the effects that the parasite Trypanosoma cruzi (T. cruzi) has on people's health. However, from our perspective, Chagas is much more than that: it is a complex socioenvironmental health problem in which elements of different nature converge and interact. The biomedical and epidemiological aspects, which are most frequently addressed, are only a piece of the puzzle that needs to be complete in order to understand Chagas in all its complexity.

https://www.medbox.org/document/education-communication-and-lots-ofcreativity-a-good-combination-to-face-complex-problems-like-chagas#GO https://socialinnovationsjournal.org/75-disruptive-innovations/2775-educationcommunication-and-lots-of-creativity-a-good-combination-to-face-complexproblems-like-chagas

Chagas Disease (American Trypanosomiasis) Clinical Presentation: History, Physical, Causes Medscape (2023)

Free Registration on Medscape to see the full article

https://www.medbox.org/document/chagas-disease-american-trypanosomiasisclinical-presentation-history-physical-causes#GO https://emedicine.medscape.com/article/214581-clinical?form=fpf

Chagas disease factsheet

Drugs for Neglected Diseases initiative DNDi - Latin America (2019)

Chagas is a parasitic disease that affects over 6 million people in the world. As the disease typically remains asymptomatic for years, new cases often go unnoticed and unreported, and most people with the disease are unaware of their condition.

 tes ribbre	
and an an international of	
State of the state of the state	

NAME AND ADDRESS OF AD	
The Party of the P	
Territory Territory	
The second second second second second	
The Statistics of the second	

-		8 1011
	SOCIAL	Treativity: A Jems Like
	And Real	
000		

Register Soldiers	
Q	
Medscape	
NEWS & PERSONNEL DAVID	LORDER ORLEDGION JOHN VOID IRCIDENT
Stage & Stream & Minister Press	
Chagas Dise	ease (American
Trypanosom	iasis) Clinical Presentation
ē .	
History	
incubation period	
	instrationen auste Chages disease is chought to be 7.54 days, bed definition data are not available texas di active transmission are generative) continually art risk for exposure to the vectora. Although neetly infect el ther forung quarters are inflated by tratemise vectors, must blood meals are taken while people are a all being titters.
	Thereares influencedary leasing at the bits sites that are caused by the injected safeary proteins, but the indexident of T crue inflection, (200, 111, 122) the exclusion period of acute T crue infection acquired may be someward languir, but percent and as are area to before in this regard.
and day	
	To continue reading this article
	Log In 🔷 Register for True

Less than 10% of people affected are diagnosed and the vast majority do not receive the treatment they need. If not treated, Chagas may cause irreversible, life-threatening damage to the heart and other vital organs.

https://www.medbox.org/pdf/63d7d852e6eed66c17076f94 https://dndi.org/wp-content/uploads/2020/10/DNDi-Factsheet-Chagas-2019.pdf

Info Chagas - Video Chagas Coalition (2022)

Video

https://www.infochagas.org/





Leishmaniasis

An Overview on the Therapeutics of Neglected Infectious Diseases—Leishmaniasis and Chagas Diseases Brindha, J.; Balamurali, M.; Kaushik, C. Frontiers in Chemistry (2021)

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7994601/pdf/ fchem-09-622286.pdf https://www.medbox.org/document/an-overview-on-the-therapeutics-of-neglectedinfectious-diseases-leishmaniasis-and-chagas-diseases#GO

Leishmaniasis is a vector-borne disease

Pan American Health Organization PAHO (2022)

https://www.medbox.org/document/leishmaniasis-is-a-vector-borne-disease#GO https://www.paho.org/en/topics/leishmaniasis

Global leishmaniasis surveillance: 2021, assessing the impact of the COVID-19 pandemic Ruiz-Postigo, J.A.; et al. World Health Organization WHO (2022)

https://www.medbox.org/pdf/63723a799c57bc7e5507a183 https://www.medbox.org/pdf/63723a799c57bc7e5507a183







https://dndi.org/wp-content/uploads/2022/07/DNDi-Leishmaniasis-EN.pdf https://www.medbox.org/filter/6357B7EC18FD6/toolbox/leishmaniasis?page=3

Leishmaniasis Workup: Approach Considerations, Routine Laboratory Studies, Biopsy and/or Aspiration Medscape (2023)

Please register to access the webpage(for free)

https://www.medbox.org/document/leishmaniasis-workup-approachconsiderations-routine-laboratory-studies-biopsy-andor-aspiration#GO https://emedicine.medscape.com/article/220298-workup

Leishmaniasis-Information for the general public World Health Organization (2018)

Poster

<u>https://www.medbox.org/pdf/65ba5e2373be967ad60b3142</u> <u>https://www.emro.who.int/images/stories/csr/documents/leishmaniasis-information-for-general-public.pdf</u>

Kala-azar (Visceral leishmaniasis),PKDL:Epidemiology,clinical features, investigations and treatment *Dr. Ignatio Schole's Medicine Tutorials (2023)*

Youtube Video

<u>https://www.youtube.com/watch?v=NprY4rObMic</u> <u>https://www.medbox.org/document/kala-azar-visceral-</u> <u>leishmaniasispkdlepidemiologyclinical-features-investigations-and-treatment#GO</u>

Leishmaniasis - Plain and Simple Else-Vet (2023)

Youtube Video

https://www.youtube.com/watch?v=eOVpd7rORog https://www.medbox.org/document/leishmaniasis-plain-and-simple#GO



Melenge	
Leighmaniasis Workup	
and the second second second	









MEDBOX. THE AID LIBRARY Medical Mission Institute

Salvatorstr.7, 97074 Würzburg, Germany

news@medbox.org