



Endectocides: current state

RBM VCWG

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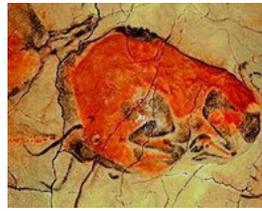


4th New Tools, New Challenges in Vector Control Work
Stream meeting
31 January 2019

The Ivermectin roadmap

Carlos Chaccour
Regina Rabinovich

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Product class

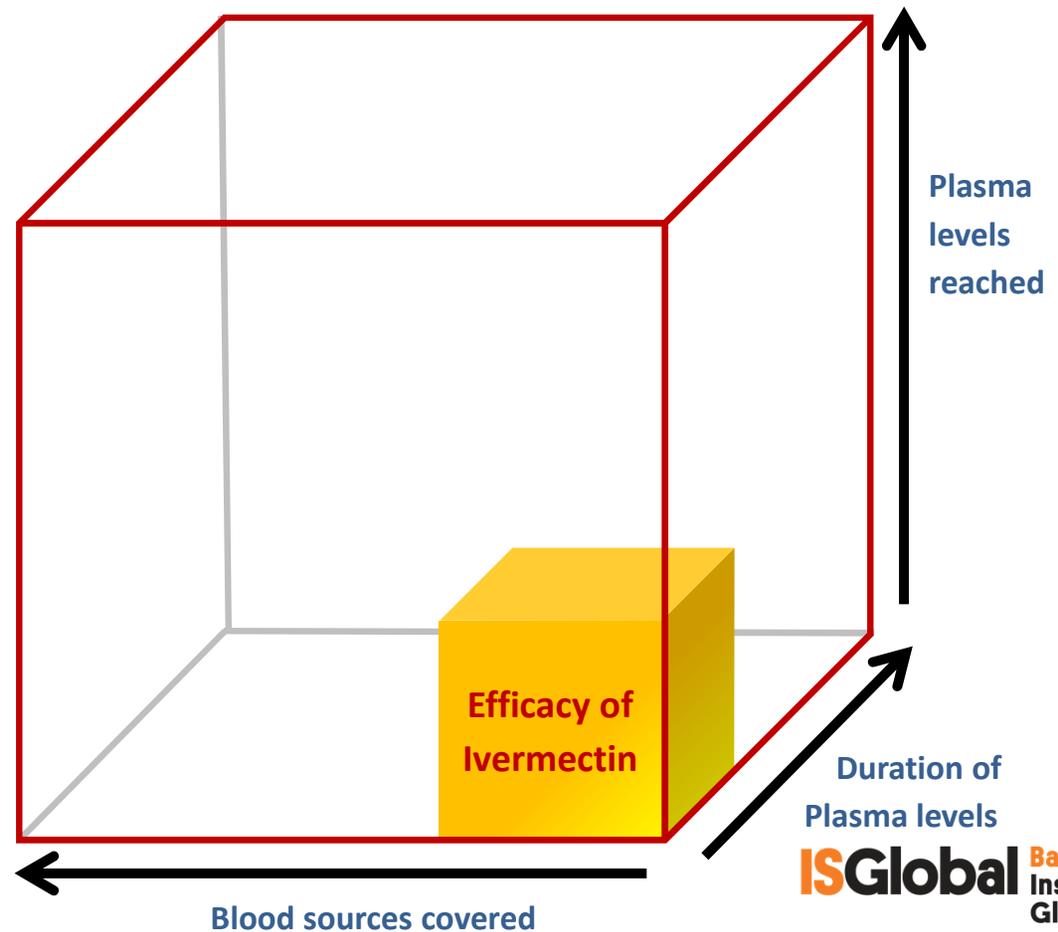


The proposed indication is for the prevention of malaria infection at community level by reducing the mosquito vector pool when used in mass drug administration (with or without simultaneous treatment of livestock)



Products under evaluation

- Ivermectin
 - 400 mcg/kg
 - 300 mcg/kg x 3
 - + SMC
 - + MDA
 - + Livestock
- Long-lasting formulations
- Nitisinone
- Fipronil? (2017)



Gaps addressed by new products

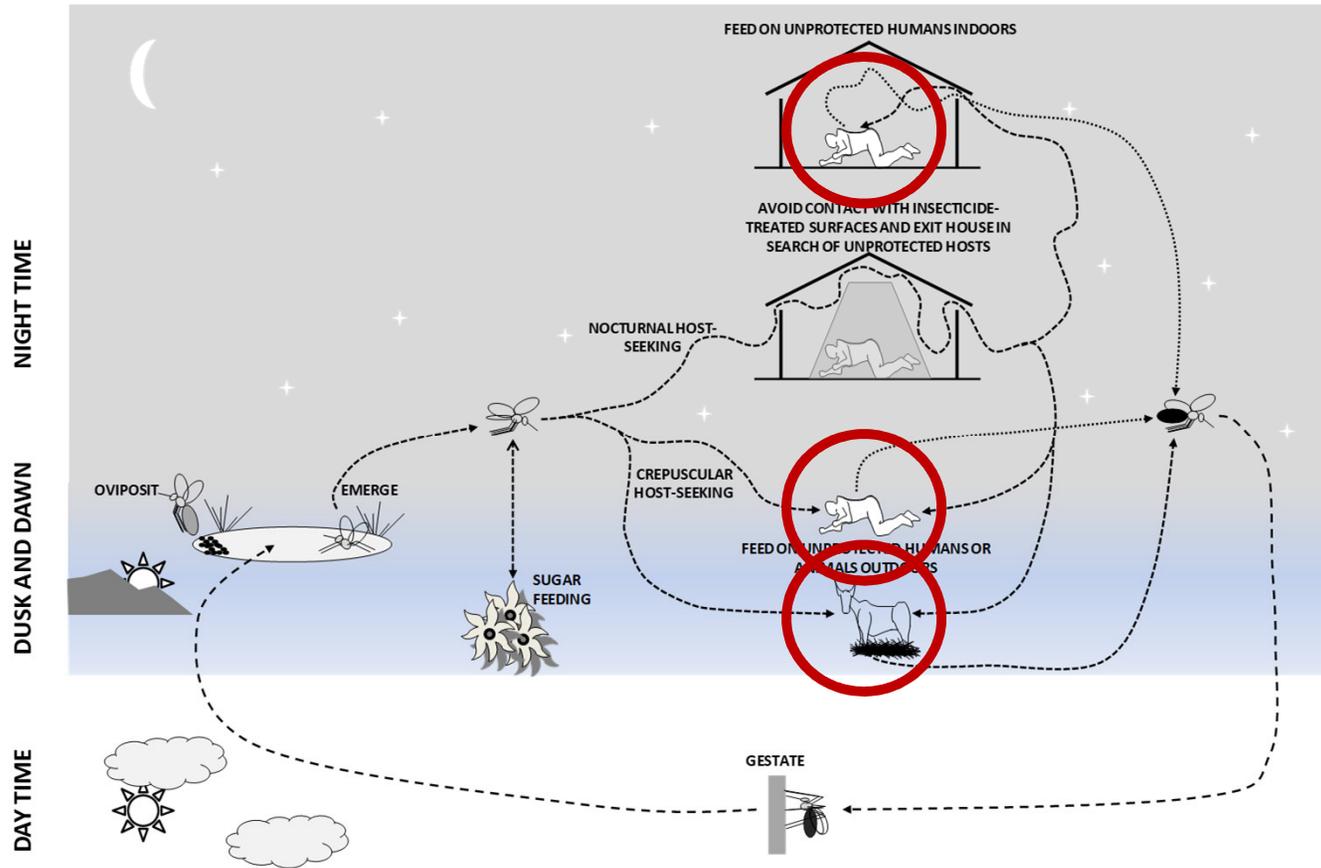


Figure by Killeen

Ongoing evaluations



Lead	Country	Dose	Combination	First results
MRC Gambia LSHTM	The Gambia	300 x 3	DHA-P MDA	2020
CSU	Burkina Faso	300 x 3	SMC	2021
ISGlobal	Mozambique, Tanzania	400 x 1	Ivermectin alone + livestock	2023
LSHTM	Guinea-Bissau	300 x 3	DHA-P MDA	2022
MORU	Thailand	400 x 1	Ivermectin alone	2021

Ongoing evaluations





A living database which captures research projects and institutions' portfolios in malaria elimination and eradication.

[DASHBOARD](#) [DEEP DIVES](#) [ABOUT THE DATA](#) [SEARCH](#) [SUBMIT A PROJECT](#)

Last Updated 16 Apr 2021

Ivermectin for malaria

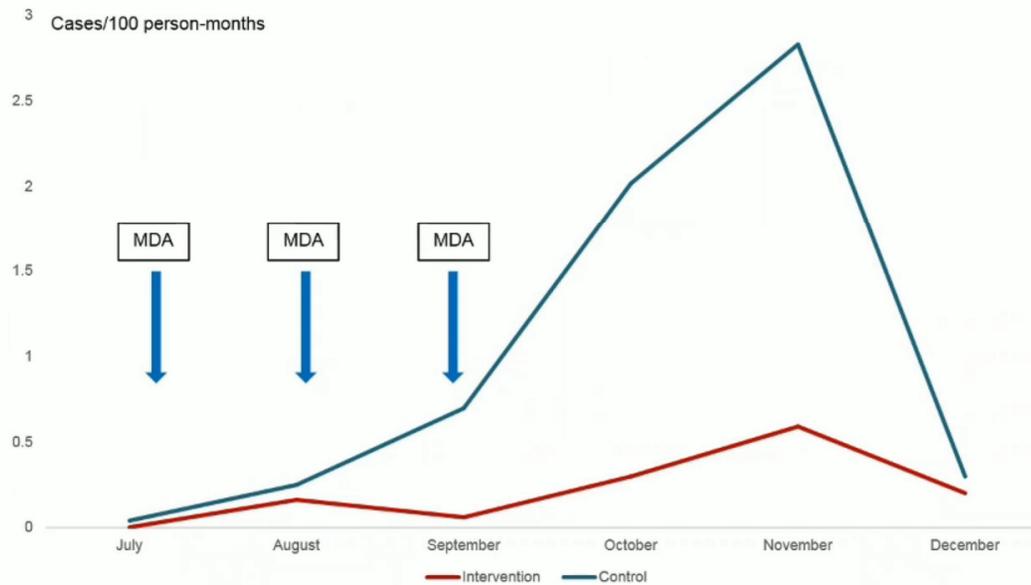


**MALARIA
ERADICATION
SCIENTIFIC
ALLIANCE**

High level results



Incidence clinical malaria by study arm and month (2019)



MRC Unit The Gambia at the London School of Hygiene & Tropical Medicine

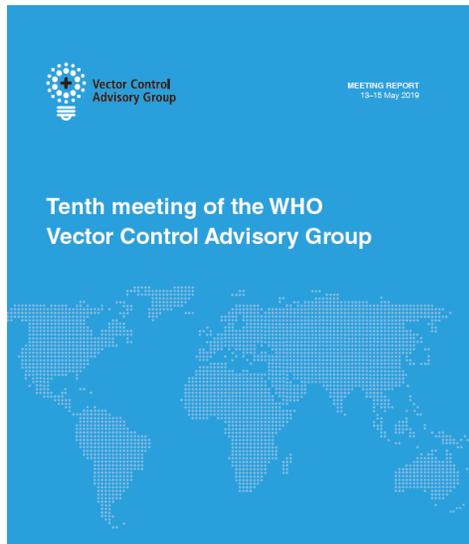
Figure by D'Alessandro

Pending research questions



- Robust efficacy
- Dosage + regimen
- Coverage
- Companion antimalarial regimen
- Hosts other than humans
- Long lasting formulations
- Molecules other than ivermectin

VCAG status



Estimated timeline to market

- Ivermectin is already marketed for other indications
- Estimated time for new indication 2023
- Scale-up 2023-28



'Roadmappers'



Peter Billingsley

Fred Binka

Ashley Birket

Tom Burkot

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George Jagoe

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