Updates from the Global Malaria Programme

Vector control and Insecticide Resistance Unit

Seth Irish
Aims of Vector Control and Insecticide Resistance Unit

• Support optimal resource use for malaria vector control by WHO Member States and by their implementing partners
  • To support generation and reporting of data related to malaria vectors and interventions
  • To develop or revise evidence-based WHO recommendations and programmatic guidance on vector surveillance and control, including for new tools
  • To support timely dissemination of vector surveillance and control guidance and contribute to its implementation through technical support and capacity building activities based on identified priorities
Activities in the last year

Plans for the coming year
Activities in the last year
Insecticide resistance and other threats
Survey on tube tests

• Online survey in 2023 (30 June to 15 October) to get feedback on WHO susceptibility tube test kit

- Plastic – costs of alternative plastics to be investigated
- Glue – replaced with acoustic transducer glue in 2019
- Mesh screen – finer to prevent escape of sandflies, must also be durable
- Spring clips – number to be increased
An. stephensi in Africa

- Partnership convening: A regional response to the invasion of An. stephensi in Africa, 8-10 March, Addis Ababa
- Quarterly calls: irishs@who.int
- Malaria Threats Map
- Surveillance and control of Anopheles stephensi: Country experiences

https://apps.who.int/malaria/maps/threats/
https://www.who.int/publications/i/item/9789240075535
Guidance and guidelines
Vector Control Advisory Group

- 18th meeting (24-26 April 2023)
- 19th meeting (27-28 September 2023)
- 20th meeting (25-28 March 2024)

- topical repellents
- eave tubes
- sterilization of male mosquitoes
- systemic endectocide treatment for Lyme disease
- bait stations
- spatial repellents
- systemic endectocide treatment
- reduction of pathogen transmission induced by Wolbachia

https://www.who.int/publications/i/item/9789240077300
https://www.who.int/publications/i/item/9789240087699
Comparative efficacy

• Consultation to evaluate the non-inferiority of 4 products (3 ITN, 1 IRS) and further develop methods of comparative efficacy testing
• Protocol to be published in April
• Norms, standards and processes underpinning development of WHO recommendations on vector control being updated
**Guidelines**

- **Update 16 October 2023**

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Preferred product characteristics

• 4 April 2023 Vector control products targeting outdoor malaria transmission
  • Indications
  • Potential use cases
  • Target populations
  • Efficacy (epidemiological/entomological)
  • Access and affordability
  • Feasibility
  • Regulatory
  • Product quality
  • End user suitability

https://www.who.int/publications/i/item/9789240072251
Operational manual on indoor residual spraying

• Expanded to provide guidance on IRS for other vector borne diseases
• Four sections
  • Concepts of IRS
  • Requirements of an IRS programme
  • Operational aspects
  • Monitoring and evaluation
Examples of regional offices providing support

- **PAHO**
  - Developing guidance on operational LLIN monitoring
  - Urban malaria on the agenda

- **EMRO**
  - Training of trainers in morphological identification (Oman)

- **AFRO**
  - Supported countries on VCNAs, monitoring resistance
  - African Network for Vector Resistance
  - AFRO II project funding completed
Plans for the coming year
Plans for coming year

• Insecticide resistance and other threats
  • Multi-centre study to define discriminating doses of broflanilide and isocycloseram
  • Quarterly calls for An. stephensi updates
  • Technical consultation to learn from experience in testing new compounds over the past few years
  • Cost of goods analysis on insecticide treated test papers and kits

• Guidance and guidelines
  • Comprehensive update of LSM manual
  • Systematic reviews on spatial repellents and ATSBs
  • VCAG meetings
  • Update of Norms, standards and processes underpinning development of WHO recommendations on vector control
  • Evolution and expansion of MINT tool

Change of unit head
Jan Kolaczinski leaving GMP after 7 years of service
Daniel Ngamije to serve as acting Unit head until the position is filled
If we can be of service, please be in touch

gmp-vcr@who.int

Thank you
Thank you

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