Residual malaria parasite transmission: definition and scope

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RESIDUAL

From residue (n.)

- mid-14c., from Old French residu (14c.), from Latin residuum "a remainder, that which is left behind," noun use of neuter of adjective residuus "remaining, left over," from residere "remain behind".
WHO Guidance note on control of residual malaria parasite transmission (September 2014):

**Residual malaria parasite transmission** occurs:

- even with good access to and usage of LLINs or well-implemented IRS or where LLINs/IRS are not practical
- due to a combination of human and vector behaviours
WHO Guidance note on control of residual malaria parasite transmission (September 2014):

Recommendations (abbreviated)

1. Generate local evidence on the magnitude of the problem of residual transmission of malaria

2. Develop new vector control tools to address residual transmission.

3. Ensure that registration processes support the rapid availability to the local market of validated new vector control products.
Definition of “Residual transmission”

Project: Examining the extent and causes of residual malaria parasite transmission

- 2015-2017 - 10 countries, 4 WHO regions
- Workshop held in Tanzania September 2017
Numerous data required to inform implementation:

**Implementation quality**
- Coverage/access
- Compliance/use

**Product field durability**
- Attrition/misuse
- Physical integrity
- Residual efficacy

**Vector surveillance**
- Vector composition
- Residual transmission

**Vector resistance**
- Insecticide resistance
Numerous data required to inform implementation

**Implementation quality**
- Coverage/access
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**Vector composition**
- Residual transmission

**Insecticide resistance**

**Vector surveillance**

**Product field durability**
Numerous challenges to effective malaria control.

Key challenges identified in Global Technical Strategy for Malaria 2016 – 2030

Lack of robust, predictable, sustained international financing
Lack of domestic financing
Weak surveillance systems
Weak health systems
Drug resistance
Insecticide resistance
Residual transmission
Lack of technical and human resources
Hard-to-reach populations
WHO Malaria Terminology (last update: June 2018):

transmission, residual

Persistence of malaria transmission following the implementation in time and space of a widely effective malaria programme

Note: The sources of and risks for “residual transmission” may vary by location, time and the existing components of the current “effective malaria programme”.

Global Malaria Programme
Lethologica:
The inability to remember a particular word or name.
Coined by Carl Jung, from the Ancient Greek λήθη (léthē, “forgetfulness”) + λόγος (lógos, “word”).

Philosophosphunctualist:
Anyone who tries to impress other people with his or her knowledge (ie. pseudo-philosopher).
Thank you