

# Contents

Foreword	iv
Acknowledgements	vii
Abbreviations	xi
This year's report at a glance	xii
1. Introduction	1
2. Investments in malaria programmes and research	4
2.1 Funding for malaria control and elimination	4
2.2 Investments in malaria R&D	8
2.3 Deliveries of insecticide-treated mosquito nets	10
2.4 Deliveries of rapid diagnostic tests	12
2.5 Deliveries of artemisinin-based combination therapies	14
3. Preventing malaria	16
3.1 Population at risk covered with ITNs	16
3.2 Population at risk protected by IRS	18
3.3 Pregnant women receiving three or more doses of ITPp	20
3.4 Seasonal malaria chemoprevention	20
4. Diagnostic testing and treatment	22
4.1 Prevalence of fever in children aged under 5 years	24
4.2 Treatment seeking for fever	24
4.3 Parasitological testing of febrile children	26
4.4 First-line antimalarial treatment according to national policy	28
4.5 ACT use among all malaria treatments	30
4.6 Integrated community case management	31
5. Malaria surveillance systems	32
5.1 Status of national surveillance systems	32
5.2 Strengthening national surveillance systems	34
6. Regional and global trends in burden of malaria	36
6.1 Estimated number of malaria cases by WHO region, 2000-2017	36
6.2 Malaria case incidence rate	41
6.3 Estimated number of malaria deaths and mortality rate by WHO region, 2010-2017	42
6.4 Prevalence of malaria-related anaemia	44
6.5 Estimating malaria cases and deaths	46
7. Malaria elimination and prevention of re-establishment	48
7.1 E-2020 initiative	50
8. Responding to threats to the fight against malaria	52
8.1 Getting back on track towards the GTS milestones	52
8.2 Parasite resistance - antimalarial drug efficacy and response	53
8.3 Vector resistance to insecticides	57
9. Conclusion	60
References	64
Annexes	67