# **Meeting Report**

# THE FORUM ON OPERATIONAL RESEARCH IN THE CONTEXT OF THE LAST MILE OF MALARIA ELIMINATION IN GREATER MEKONG SUBREGION COUNTRIES



24–25 November 2020 Virtual meeting



# Y QTNF 'J GCNVJ 'QTI CPK CVKQP

# TGI KQP CN'QHHKEG''HQT''VJ G''Y GUVGTP''RCEKHKE

TUH2421I GH8\*Xktwcn+" " " " Gpinkuj "qpn{

### OGGVKPI 'TGRQTV

# HQTWO 'QP 'QRGTCVKQP CN'TGUGCTEJ 'KP 'VJ G'EQP VGZ V'QH''' VJ G'NCUV'O KNG'QH'O CNCTKC 'GNKO KP CVKQP ''' KP 'I TGCVGT'O GMQP I ''UWDTGI KQP 'EQWP VTKGU

Eqpxgpgf ''d{<

"

# Y QTNF 'J GCNVJ 'QTI CPK, CVKQP TGI KQP CN'QHHKEG'HQT'VJ G'Y GUVGTP 'RCEKHKE

Xktwcn'o ggvkpi 46"cpf "47"P qxgo dgt "4242

"

P qv'hqt''ucrg

Rt kpvgf ''cpf ''f kuvt kdwvgf ''d { <

Y qtrf 'J gcnj 'Qti cpk cvkqp Tgi kqpcn'Qhhkeg'hqt''y g''Y guvgtp''Rcekhe O cpkrc.''Rj krkr r kpgu

O ctej ''4243

# P QVG

Vj g"xkgy u"gzr tguugf "kp"yj ku"tgr qtv"ctg"yj qug"qh"yj g"r ctvkekr cpvu"qh"yj g"Hqtwo "qp"Qr gtcvkqpcn" Tgugctej "kp"yj g'Eqpvgzv'qh"yj g"Ncuv'O krg"qh'O cretkc 'Grko kpcvkqp"kp"I tgcvgt 'O gnqpi 'Uvdtgi kqp" Eqwpvtkgu"cpf 'f q"pqv"pgeguuctka{ 'tghrgev'yj g"r qrkekgu"qh"yj g"eqpxgpgtu0

Vj ku"tgr qtv"j cu"dggp"r tgr ctgf "d{" vj g"Y qtnf "J gcnj "Qti cpk cvkqp"Tgi kqpcn'Qhheg"hqt" vj g" Y guvgtp'Rcekhe hqt'O go dgt'Uccvgu'kp' vj g'Tgi kqp"cpf 'hqt' vj qug' vj q'r ctvkekr cvgf 'kp' vj g'xkt wcn' Hqtwo "qp"Qr gtcvkqpcn'Tgugctej "kp" vj g"Eqpvgz v'qh' vj g"Ncuv'O krg" qh'O crcthc "Grlo kpcvkqp" kp" I tgcvgt'O gmqpi 'Uvdtgi kqp'Eqwpvtkgu'htqo '46' vq'47'P qxgo dgt'42420'

#### **CONTENTS**

#### CDDTGXICVKQPU'

#### UWO O CT[

404'''Uguukqp''3<'O cuu'f twi "cf o kpkutcvkqp'kp''y g"eqpygzv'qh'I tgcygt'O gmqpi 'Uvdtgi kqp'eqwpvtkgu." vcti gygf 'f twi 'cfo kpkwtcykqp''cpf 'hqtguv'o cmtkc'r tqrj {mzku'(mmmmmmmmmmmmmmmmmmmmmmm)4 40403" Vcti gkpi 'j ki j /tkunir qr wrckqpu'y kj "gpj cpegf 'tgceksg'ecug'f gygekqp<c'uwsf { 'kq'cuuguu'y g" ghgevksgpguu'cpf 'hgcukdkkk{ 'hqt'tgf vekpi Plasmodium falciparum'cpf "Plasmodium vivax o crctc'kp" uqwj gtp'Ncq'Rgqr ngøi'F go qetcve'T gr wdrle'cpf "Vj ckcpf ( 40404"'Okok k kpi 'y g'tum'qh'o cnetke'eo qpi 'hqtguvi qgtu'kp'y g'I tgevgt'O gnqpi 'Uvdtgi kqp<" c'tepf qo k gf "eqpytqmgf "vtkn/vq"guvko evg"yj g"ghheee{ "epf "hgeukdkkk{ "qh'e 'hqtguv'o enetke"r tqrj { nezku"qxgt" 40405""Vj g'lo r cev'qh'vcti gygf 'o crethe gylo kpevlqp'y kj 'o cuu'f twi 'ef o kpkwtevlqpu'qp"Plasmodium 40406"F gr nq {o gpv'qh'o cnetle 'gnlo kpevlqp' kpygtxgpvlqpu'kp'j ki j /tkunio ktkeet {"r qr wnevlqpu'ej engpi gu'epf 'bgy " 40407"Y kniksgto gevlp'o cuu'f twi 'cf o kokutcvkqp'j gr 'grko kpcvg'tgukf vcrio cretic'kp'vj g'I tgcvgt'O gnapi " 405""Uguukap '4<"T cf kecn'ewtg'hat "Plasmodium vivax (vguvkpi "cpf "eqo o wpks{/mgxgnko r mgo gpvcvkap+107 4050" Głyge kzgpgu u 'ghipqzgrierrt qeej gu 'g'tef leeriewtg'y kj 'chgpqs wlpg'epf 'r tloes wlpg( 40504 "Korngo gpvcvkqp"cpf"gxcnvcvkqp"qh'c'o qf griqh'ectg"qh'i nvequg/8/rj qurj cvg'f gj {f tqi gpcug"cevkxk{" vgukpi "cpf "rtko cs wkpg"hqt"Plasmodium vivax"tcf kecrkwtg'kp'Eco dqf kc"cpf "\*XK VCTE 'uwf { +0000000008 4060 "Cuuguukpi '\j g'tgrevkqpuj k 'dgyy ggp'nqpi /rcuvkpi 'kpugevkekf en'pgv'o cystlen'epf 'nqpi /rcuvkpi " 407""Uguukqp"6<J gcnj "u{uvgo "uvtgpi vj gpkpi <kpvgi tcvkqp"qh'o cnctkc"eqo o wpkv{ "j gcnj "y qtngtu(000009) 40708" Qr vko cheqo o wpks//f grkxgtgf 'o cretke 'grko kpcvkqp'o qf gni/hqt'vj g'I tgevgt 'O gnqpi 'Uvdtgi kqp'(0009" 40704"Tgcevkxg"cpf 'r tqcevkxg"ecug'f gvgevkqp 'hqt 'y g"grlo kpcvkqp"qh'o cnctkc 'kp 'Eco dqf kc 'hqtguv'i qgtu" 408""Uguukqp'7<Uwtxgkmcpeg"cpf "o cmtkc"grko kpcvkqp" 4060""Wulipi 'j ki j n('lugpukkxg'tcr kf 'f kci pquvle'\guvu'eqo r ctgf '\q'eqpvtqnhqt'tgf velipi '\j g'j gcnj 'egpvtg'' ecvej o gpv'cpf 'xknci g/rgxgrilr tgxcrgpeg'cpf 'kpekf gpeg''qh'Plasmodium falciparum''co qpi 'xknci g'' tgukf gpvu'cpf 'o qdkg''cpf 'o ki tcpv'cpf 'qy gt'j ki j /tkunir qr vncvkqpu'kp'Ej co r cucm'Rtqxkpeg.'uqwj gtp'Ncq'' 40804"Gpxktqpo gpvcpcn(uku'cpf'uwtxgkmcpeg'vq'kortqxg'o cnctlc'giko kpcvkqp'uvtcvgi kgu'\*GCUKO GU+(0000) 4080"Uchgy{."ungtcdkts{."cpf "ghlece{"ah'th ng "ct yo kulphp"eqo dhpcvlap"yj gtcr kguthpf kpi u'htqo "Eco daf kc"cpf " 

"

Cppgz '3'/''Rtqi tco o g"ci gpf c Cppgz ''4'/' 'Nkuv'qh'r ctvkekr cpvu

Mg{yqtfu⊀

I wkf grkpg"I'O cretkc"ó"r tgxgpvkqp"cpf "eqpvtqn"I'O grapi "xcrng{"I'Qr gtcvkqpu"tgugctej "

# ABBREVIATIONS

ctvgo kukpkp/dcugf "eqo dkpcvkqp" y gtcr { "
Cto gf "Hqtegu'Tgugctej "Kpurkwwg"qh'O gf kecn'Uekgpegu'"
Gpxltqpogpv'cpcn{uku''cpf ''uwtxgkmcpeg''vq''kortqxg''ocnctkc''gnkokpcvkqp''uvtcvgikgu'' rtqlgev''
inwequg/8/rjqurjcvg"fgj{ftqigpcug"
Y J Q'I mdcn'O cretke'Rtqi tco o g'''
I tgcvgt'O gmqpi 'Uwdtgi kqp''
j ki j n{ "ugpukkkxg"tcr kf "f kci pquvke"\guv"
nqpi/ncuxkpi 'kpugevkekfcn'pgv'''
o cuu'ftwi "cfo kpkuwtcwkąp""
YJQ'Ogmupi 'Ocnetke''Gnkokpevkupp'rtqiteoog''
Ocjkfqn/Qzhqtf 'Vtqrkecn'Ogfkekpg'Tgugctej 'Wpkv'
pcvkqpcn'o cretkc''r tqi tco o g"
rqn{ogtcug"ejckp"tgcevkqp"
Rqrwrcylqp'Ugtxlegu'llfoygtpcylqpcn'''
tgcevkxg"ecug'fgvgevkqp""
Tgi kqpcn'Ctvgo kukpkp/tgukuvcpeg'Kpkkcvkxg''
Tq{cn'Ecodqfkcp'Ctogf''Hqtegu'''
tcr kf "f kci pquvke"vguv"
tgcevkxg'hqecn'o cuu'ftwi "cfokpkuvtcvkqp""
Uj qmq'O crctkc'Tgugctej 'Wpkv''
Wpkxgtukv{ "qh'Ecnkhqtpkc."Ucp"Htcpekueq'"
Y qtnf ''J genj ''Qti epk evkqp'''

# SUMMARY

Vj g"Y qtrf "J gcnj "Qti cpk cvkqp"O grupi "O cretkc"Grko kpcvkqp"\*O O G+"r tqi tco o g"j quvgf "y g"xktwcrl" Hqtwo "qp"Qr gtcvkqpcrl"Tgugctej "kp"vj g"Eqpvgzv"qh"vj g"Ncuv"O krg"qh"O cretkc"Grko kpcvkqp"kp"I tgcvgt" O grupi "Uvdtgi kqp"Eqwpvtkgu'htqo "46"vq"47"P qxgo dgt"42420"Vj g"Hqtwo "dtqwi j v'vqi gyj gt"r ctvkekr cpu" htqo "y g"ukz"I tgcvgt"O grupi "Uvdtgi kqp"\*I O U+"eqwpvtkgu"6"Eco dqf kc."Ej kpc"\*[ wppcp"Rtqxkpeg+."Ncq" Rgqr rgøu'F go qetcvke"Tgr wdrke.'O { cpo ct. 'Vj ckrepf "cpf "Xkgv'P co '6"cpf 'vj g'I rqdcrlO cretkc"Rtqi tco o g" \*I O R+."cu"y grn"cu"vgej plecrl"gzr gtvu. "tgugctej gtu"cpf "r ctvpgtu"vq"r tgugpv"cpf "f kuewuu"tgegpv"hkpf kpi u" tgrgxcpv'vq"o cretkc"grko kpcvkqp"kp"j g"I O UV

Vj g"qr gtckkqpcn'tgugctej "r tgugpvgf "kp" vj g"Hqtwo "hqewugf "qp"ko r tqxkpi "vj g"wr vcng" cpf "uecng/wr "qh" o cretkc"grko kpckkqp"r tqi tco o kpi ."equv/ghhgevkxgn{ "ko r ngo gpvkpi "eqo dkpcvkqpu"qh"kpvgtxgpvkqpu."cpf " o gcuwtkpi "kpvgtxgpvkqp"uweeguu"cpf "ko r cev0'Vj g"o ckp"f kuewuukqp"r qkpvu"kpenxf gf "tgugctej "r tqlgevu" tgrcvgf "vq"xctkqwu"r tqi tco o cvke"ctgcu"kpenxf kpi "ecug"f gvgevkqp."f kci pquku."vtgcvo gpv."r tgxgpvkqp."vj g" ghhece{"qh"cpvko cretkcn'f twi u."xgevqt"eqpvtqn"tcf kecn'ewtg."vguvkpi ."uwtxgkmcpeg."gr kf go kqmi {"cpf" vcpuo kuukqp0'

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# **1. INTRODUCTION**

# 308" <u>Dcemi tqwpf</u>"

Vj g'ukz "eqwpvtkgu'qh'y g'I tgcvgt'O gnqpi ''Uvdtgi kqp'\*I O U+'ncwpej gf "c"o cnctkc"gho kpcvkqp'uvtcvgi { 'kp'' 4237'yj cv'cko u'vq"gho kpcvg"*Plasmodium falciparum*'o cnctkc"d{ ''4245'cpf "cm'hqto u'qh'o cnctkc"d{ ''42520' J gcf u'qh'uvcvgu'cv'yj g'Gcuv'Cukc''Uvo o kv'o cf g'c'uko knct'eqo o ko gpv'kp'O { cpo ct'kp'P qxgo dgt''4236'vq'' grko kpcvg'yj g'f kugcug'htqo 'yj g'Cukc''Rcekhke'tgi kqp''d{ ''42520'Hvtyj gto qtg."I O U'j gcnj 'o kpkngtu'uki pgf '' y g'O kpkngtkon'Ecm'hqt ''Cevkqp''vq''Grko kpcvg''O cnctkc''kp''yj g'I tgcvgt''O gmqpi ''Uvdtgi kqp''dghqtg''4252''cv'' y g''Y qtnf ''J gcnj ''Cuugo dn{ ''kp''O c { ''423: ''kp''Uy kaj gtncpf 0'Vj tqwi j ''yj ku'ci tggo gpv.''yj g{ ''eqo o kwgf ''vq'' y qtnkpi ''vqi gyj gt''y kj ''tgngxcpv'gpvkkgu''vq''gpuvtg''yj cv'cm''tgugctej ''ghqtu''ctg''pcvkqpcm{ ''eqqtf kpcvgf.'' cf j gtg'vq'kpvgtpcvkqpcnlvxcpf ctf u'cpf ''q''tcpurcvg''qr gtcvkqpcnl\*gugctej ''hkpf kpi u'kpvq''r qnke{ ''cpf ''cevkqp0'

Y J Q'j cu'go r j cul{ gf 'ý g'lo r qtvcpeg'qh'qr gtcvkqpcn'tgugctej ''cu'cp'lkpvgi tcn'r ctv'qh'o cnctke ''gnko kpcvkqp'' r tqi tco o gu0Kp'ý g'r cuv'f gecf g. 'ý g'hwpf kpi ''cpf 'ý g'f gxgmr o gpv'qh'o cnctke 'tgugctej 'kp'ý g'I O U'j cxg'' tguwngf ''kp''ko r tguukxg''ko r tqxgo gpvu'kp''o cnctke ''eqpvtqn' cpf ''j cu''uwr r qtvgf ''ghqtvu'' vq''o qpkqt''f twi '' tgukncpeg0'Vq''r tqxkf g''ko gn{ ''tguwnu''q''kphqto ''r qnke{ ''o cnkpi ''cpf ''r tqlgev'ko r ngo gpvcvkqp. ''y g'Dkm'( O gnkpf c'I cvgu'Hqwpf cvkqp''r tqxkf gf 'hwpf kpi ''q''Y J Q'\q'j quv'y g'Hqtvo ''qp'Qr gtcvkqpcn'Tgugctej 'kp''y g'' Eqpvgzv'qh'y g''Ncuv'O krg''qh'O cnctke ''Gnko kpcvkqp''kp''I tgcvgt''O gmqpi ''Uvdtgi kqp''Eqwpvtlgu0'Vj g''Hqtvo '' y cu''eqpxgpgf ''q''r tqxkf g''ko gn{ ''tguwnu'hqt''r qnke{/o cmkpi ''cpf ''r tqlgev'ko r ngo gpvcvkqp0''

### 304" <u>O ggvkpi "qdlgevkxgu</u>"

Vj g''qdlgevkxgu''qh''y g''o ggvkpi ''y gtg<"

- 3+ vq"f ghkpg"qr vko cn'cpf "uwuvckpcdrg"cr r tqcej gu'hqt"o cretkc"r tgxgpvkqp."f kci pquku"cpf "vtgcvo gpv" \*uwej "cu+<"
  - tcf kecn'ewtg"qh"P. vivax;"
  - kpvgi tcvkpi "o crctkc"grko kpcvkqp"kpvq"j gcnyj "u{uvgo u="cpf"
  - cf cr vkpi 'vqqnu'cpf 'cf f tguukpi 'dcttkgtu'vq'r tgxgpvkqp. 'f kci pquku'cpf 'vtgcvo gpv0'
- 4+ vq"ceegngtcvg"yjg"vtcpukkkqp"htqo "o cnctkc"eqpvtqn'vq"gnko kpcvkqp"cpf "dg{qpf "d{<
  - ceeggtcvkpi "o crctkc"grko kpcvkqp="cpf"
  - tgcej kpi "cpf "uwuxckpkpi "o crctkc"grko kpcvkqp0"

# 2. PROCEEDINGS

408" <u>Qr gpkpi "uguukqp</u>"

10000" On onlini "bot oo on ["

# 预览已结束, 完整报告链接和二维码如下:



https://www.yunbaogao.cn/report/index/report?reportId=5\_23903