

karvittpeTakanvycasCrarbsBI rda
enAkjGtltmU dandngmahNyrbsExp®khm
karRsaRCavenAkjsgatBr enAkjTRkg éb:ln



KMragvPaKbBaãGPivDAn_ (ADI)
skəkameGDGayCMan;Tl 17 nig GkibNpNpI
Ex vicika 2006

karvittneTakanvycasCrarbsBI rdæ
enAkjGtltmU dandvmaMYrbsExp®khm
karRsaRCavenAkjsgátBr enAkjTRg éb:ln

KMagvPaKbBaGPivD/n_ (ADD)
SkokameGDGayCMan;TI 17 nig GkbNpNpI

Ex vicka 2006

karEfgGINrKIN

Rkm nigskakamrbs; ADI sthsEdgkardgKINChdI mnusScasenAkjRkgeb:InEdI)an
clU rnkjkarRsavRCavenH. GkrRsavRCavsthGrKINpgEdrcBahl el akSecA KmeGg mkBismaKm
Rspdm,GPivDAnShKmn_(wACD) EdI)anCYsRmbsRmI kargartammU dan enAXNAb:In .
sthEfgGINrKINpgEdrcBahl Meredith Wyse nig el ak Dm vlmkBGgkarCYCncasCraGnpCati
(HelpAge) EdI)anerobcMareFISPasnsakI,genAkjext)atdIdg. dtKienHedr GkrRsavRCav
sthsEdgnUGINrKINdI ;kBaXh chder mkBl ADI nig el ak fa spI mkBKN³kmpFkar
shRbtbtkar edm,kmCa (ccc) EdI)anpI karKamTEpikesvaKamT nigPsPayagykcitfkdak;
dI ykbnAbNpI TadjmU BbBl cabepnrhttdI cb;. karTTY xisRtUcbBahlTsSn³EdI manenAkj
karskSaenH KvakarrabrgTadjRsgBismakGknBngksarenH.

esckpsegb

karRsavRCavenHmanbMNgktrtanUbTBesaFn_nig sAnkarNbc, nribsmnisScasenAküj
sgátcmhBrénTRKgebl n. el lsbEnHeTaeTot eKkZüayamkMtrkeGayeXlj nUl kN³TtTA
karRbkbrbrbcBamClvit kareCiserlsTChksMabrsenAnigbNbj KarMdl mnisScas; RBmTajEstj
yI eTaeI lsnPaBsPaB nigkarEftalsPaBmnisScaspgedr . karRsavRCavenH RtU)aneRbl
bBalsMysPasnCamYmnisScascmh 153nakEdl manGaycabBl 55 qamLgeTA enAküjPthcmh
16 küsgátcmh 2 . eKkYansPasn_CamYGkpl BZmansMan;²dtCa GaCaFrPthXV²BmTaj
mankarBPakSaCaRkmtt²CamYmnisScasenAküjsgát;TajBrenHedr.

CarhmnisScasEdl (U)ansPasnKWaCncMakSk . TahänExp²RhmEdl (U)ankgTB
evotNambenlj ecj enah)aneKcxhcl mkkar; tlnéb:lnenHnaedmqam1979. mankarclMakSk
cl mkkgtlnenHyage²hEfmeTot bnabBismahrNkmpenAcyqam1996 . cBam²PbcMU
sManrbsBkKatnaeBl bc, nänhvij mnisScasCabris mankarBjEpkeTaeI kareFKargareday
xhÉgnigkargarrbsRbBnsMabCvit rÉmnisScasCaSpake²h mankarBjEpkel kargarrbs;
klnigbRbBnsbskbl. eTaholl TPaBTTV)anesvasPaBk²mtKreGayktsMal kpkar²sav²av
enH)anbgaj eGayeXlj fa karppl esvaeftalsPaBsmRsbsMabBkKat; enAetCaGaTPaBd²sMan;
mly. eTahbCaBkKatman²vtk²Clvitxs²Ka eBal KWmnisScasmlycmhCaGtitkgTExp²Rhm
nigmycmheTotCa Cnrge²KalenAküjrbbdvtpenaHkpkBkKatPake²h BitCamansPaBTnexSay
ehlykBg(Et)ansenAküjsanPaB²RK. karbraClyénrbbl Bt rlnCamlynigs²gámGtsbnay
Cae²hqamngmk namknUPaB²RK nigesaknadkmsMabmnisScas;TajGsEdl (U)ansPasn.

karvitt¹paTakanv²casCrarbsBl rda enAk³gRkgeb:ln - Gttmll dand⁴gmaM⁵yrbsExp⁶khm

karBBNhabBaä

enAk³gry³eBl bnpnqä⁷ge⁸KayentH Gkerobc⁹Kal neya)ay nigPa¹⁰kgarGPIV¹¹DA¹²Cae¹³eh
mankaryl d¹⁴gkanEte¹⁵eh eTaeI s¹⁶anPaBB¹⁷esrbsmnsScasenAk¹⁸g¹⁹beTskm²⁰ca . enAk²¹gqä²²M
1998 Gg²³karCY²⁴mnsScas; nig²⁵Rsg²⁶sg²⁷nkic²⁸kargar nigGttlyT²⁹cn)aneF³⁰kar³¹Sav³²Cav³³mnek
bg³⁴smlyTaeI I s³⁵anPaBrbsmnsScasenAk³⁶g³⁷beTskm³⁸ca¹. kar³⁹Sav⁴⁰CavenH)anp⁴¹l nUc⁴²NH
d⁴³gCae⁴⁴ehG⁴⁵PaB⁴⁶R⁴⁷R⁴⁸ nigPaBgayrge⁴⁹KalEdI K⁵⁰m⁵¹k⁵²M⁵³ngeTAdI mnsScasenAk⁵⁴g⁵⁵beTskm⁵⁶ca
ehlyel s⁵⁷BenHeTaeTot k⁵⁸yanbg⁵⁹aj eGayeX⁶⁰ij nu⁶¹karn⁶²mc⁶³NkrbsmnsScas; k⁶⁴g⁶⁵karCY⁶⁶el k⁶⁷sy
C⁶⁸v⁶⁹PaB⁷⁰R⁷¹kar nig sh⁷²Kmnr⁷³bsB⁷⁴kek . I T⁷⁵l⁷⁶ Sav⁷⁷Cav⁷⁸k⁷⁹yanbEn⁸⁰hfa karkatbn⁸¹lyPaB⁸²R⁸³R⁸⁴ nig
kar⁸⁵p⁸⁶l nUesva⁸⁷E⁸⁸Ta⁸⁹m nigB⁹⁰ua)al s⁹¹x⁹²PaBedI manK⁹³IN⁹⁴PaB⁹⁵ngGac⁹⁶R⁹⁷T⁹⁸T⁹⁹g)andI mnsScasK¹⁰⁰h¹⁰¹A¹⁰²Et¹⁰³Ca
bBaäGaTPaB .

enAk¹⁰⁴gqä¹⁰⁵M 2004 mC¹⁰⁶Am¹⁰⁷N¹⁰⁸H¹⁰⁹ Sav¹¹⁰Cav¹¹¹Casa¹¹²S¹¹³ps¹¹⁴sakI vit¹¹⁵ual¹¹⁶ y¹¹⁷m¹¹⁸Q¹¹⁹eh¹²⁰A¹²¹)aneF¹²²kar¹²³Sav¹²⁴
Cav¹²⁵d¹²⁶W¹²⁷U¹²⁸aym¹²⁹lyG¹³⁰B¹³¹mnsScasenAk¹³²m¹³³ca EdI)anp¹³⁴l ; I T¹³⁵l Cak¹³⁶Es¹³⁷g¹³⁸g¹³⁹Des¹⁴⁰t¹⁴¹Tak¹⁴²T¹⁴³geTAn¹⁴⁴gs¹⁴⁵an
PaB s¹⁴⁶x¹⁴⁷PaB es¹⁴⁸d¹⁴⁹ic¹⁵⁰S¹⁵¹g¹⁵²an nigst¹⁵³mnsScas². bEn¹⁵⁴h¹⁵⁵Bel enHeTot kar¹⁵⁶Sav¹⁵⁷CavenH¹⁵⁸k¹⁵⁹yanB¹⁶⁰it¹⁶¹uem¹⁶²ll
eTaeI bBaäCak;I ak¹⁶³dt¹⁶⁴Ca B¹⁶⁵it¹⁶⁶karN¹⁶⁷g¹⁶⁸h¹⁶⁹g¹⁷⁰; nigb¹⁷¹ic¹⁷²b¹⁷³aj EdI ek¹⁷⁴lt¹⁷⁵manenAk¹⁷⁶g¹⁷⁷vt¹⁷⁸sa¹⁷⁹S¹⁸⁰ps¹⁸¹beT¹⁸²s
k¹⁸³geBl kn¹⁸⁴g¹⁸⁵mk¹⁸⁶x¹⁸⁷H¹⁸⁸edr . c¹⁸⁹b¹⁹⁰h¹⁹¹pl b¹⁹²H¹⁹³al enCem¹⁹⁴h¹⁹⁵ nigGes¹⁹⁶BP¹⁹⁷aB¹⁹⁸sg¹⁹⁹nk²⁰⁰g²⁰¹mk eTaeI C²⁰²vt²⁰³rb²⁰⁴mnsS
cas; enkar²⁰⁵Sav²⁰⁶CavenH)anbg²⁰⁷aj fa mnsScasEdI manC²⁰⁸vt²⁰⁹enAr²¹⁰s²¹¹ch²¹²h²¹³Cag 2/5)an)atbg²¹⁴kb²¹⁵
yagehacNask²¹⁶h²¹⁷ak²¹⁸edr c²¹⁹b²²⁰h²²¹mnsScasCa²²²S²²³ps²²⁴Et 1/4)an)atbg²²⁵pb²²⁶s²²⁷x²²⁸h²²⁹k²³⁰g²³¹rb²³²Exp²³³khm
cena²³⁴H²³⁵B²³⁶qä²³⁷M 1975 dI ; 1979³. rE²³⁸b²³⁹baäp²⁴⁰l b²⁴¹H²⁴²al enC²⁴³W²⁴⁴G²⁴⁵d²⁴⁶sm²⁴⁷kel hnsScas;ij I T²⁴⁸l en

¹ Rks²⁴⁹sg²⁵⁰nkic²⁵¹kargarnigGttlyT²⁵²cn nigG²⁵³kar HelpAge International, r)aykarN²⁵⁴seg²⁵⁵g²⁵⁶lls²⁵⁷ankarN²⁵⁸mnsScas;
enAk²⁵⁹m²⁶⁰ca (Phnom Penh: Rks²⁶¹sg²⁶²nkic²⁶³kargarnigGttlyT²⁶⁴cn nigG²⁶⁵kar HelpAge International, 1998).

John Knodel, Souvan Kiry Kim, Zachary Zimmer, nig Sina Puch, mnsScasenAk²⁶⁶m²⁶⁷ca : B²⁶⁸iz²⁶⁹man)anmk²⁷⁰B²⁷¹Geg²⁷²t
mnsScasqä²⁷³M 2004 (Ann Arbor: SKI vit²⁷⁴ual²⁷⁵ y²⁷⁶ Michigan, mC²⁷⁷Am²⁷⁸N²⁷⁹H²⁸⁰ skSaG²⁸¹B²⁸²B²⁸³l rda²⁸⁴x²⁸⁵J²⁸⁶SPa2005). kar²⁸⁷Sav²⁸⁸CavenH
)aneF²⁸⁹l²⁹⁰bedaymankarGeg²⁹¹teTaeI K²⁹²m²⁹³l²⁹⁴agEdI manmnsScasGayu²⁹⁵60qä²⁹⁶lg²⁹⁷ c²⁹⁸h²⁹⁹h 1273nak; enAk³⁰⁰g³⁰¹vis³⁰²ym³⁰³lyEdI R³⁰⁴k³⁰⁵b
d³⁰⁶N³⁰⁷peI R³⁰⁸Ca³⁰⁹cn³¹⁰km³¹¹ca³¹²ch³¹³h³¹⁴B³¹⁵akk³¹⁶N³¹⁷pl .

³ S³¹⁸them³¹⁹ll Zachary Zimmer, John Knodel, Kiry Sovan Kim, nig Sina Puch, \ T³²⁰l³²¹ B³²²Cem³²³h³²⁴ng³²⁵PaBrG³²⁶kr³²⁷G³²⁸ll³²⁹ k³³⁰g³³¹sg³³²h³³³
B³³⁴G³³⁵tt³³⁶mk³³⁷el hnsScasC³³⁸h³³⁹an³⁴⁰b³⁴¹c³⁴²h³⁴³,n³⁴⁴ (Ann Arbor: SKI vit³⁴⁵ual³⁴⁶ y³⁴⁷ Michigan, mC³⁴⁸Am³⁴⁹N³⁵⁰H³⁵¹ skSaG³⁵²B³⁵³B³⁵⁴l rda³⁵⁵x³⁵⁶k³⁵⁷Baä 2005).

kar Gegát nig kar smá (snb Enb) anb Baakfa «Bkmpy Edl man vly cas;) anedrtha Tlyags Mankú kar
 pfl nU CMksäkenA kar EfrkSa nig kar CM NayepSg² smabkú Busbku[®] StBj vly Edl) an Fokxú QW
 nig) ans abedaysar CMWkac sahavenH⁴. en Akú qm 2003 Ggkar Cymnis Scas;) ane Fkar[®] Sav
 Cav Cal kN³ k rN sk Samlyen Akú ext) at dlog Edl) anbgáj famnis Scas CaGk EFTabm, geTA
 el kú² eBj vly Edl) anrge[®] ka Hedaysar CMW Gds_ nig Efm Tab TTV bnkemll EFTab CA² Edl kú Ba
 eTotpg⁵.

eTablfa Éksar[®] Sav[®] Cav Tak; Tgnm nis Scas en Akú Camanch Mh tick eday Et Camú danmly
 sMan; smopSBp Saye TAdl Epkerobcú Kal neya) ayrbs rda P) al nig Cye TAdl karerobcú mly Fl
 rbs Ggkar min Emnrda P) al Edr . Tn nng en Hedr edm, hnc Mnk begn Éksar Tak; Tgnm vis ymnis S
 cas; en Akú[®] De T skm&a[®] bkarl mly Kvk arcabephe Fkar[®] Sav[®] Cav Edl man l kN³ e[®] Dobe Fobe Tael l
 mnis Scas; en Akú t mnanakú ep[®] De T Edl min Fabomankar[®] Sav[®] Cav[®] g, Tay Fm ngmk⁶. t mly
 Edl eyb) an segá te Xlj KW TPKú eb: l in en APak Bay Búen[®] De T skm&a Edl) ank m tyk Ca Tt ad
 smabkar[®] Sav[®] CavenH. e[®] Kaye Bl Edl Tahán Exp[®] R hm) ane Fkarú Cú Camly rda P) al kú qm 1996
 kú day k[®] TPKú eb: l in) an st en A Catú nsly[®] z terogmk Cae[®] hqú m . m qm 2001 eb: l in[®] U) anek
 cat; Tíkfa Ca Epkmly en ext) at dlog Ete[®] Kaymk[®] U) an cat; Tík Ca TPKú mly . eTabl man mnis Sca
 e[®] h) an Cú e Tarsen Akú t mnenatú Bú m 2000 mk Et Pa ke[®] h bú t kú ke K Fab) an rsen Akú t m;
 enaH talú Bm smly kal énkarú Cú e T Ae Tot . dch t mnen Hkú akr Nisk Sad[®] Kye Gaymankarcab;
 Garmú Nstáb[®] Sav[®] Cav Tael mnis Scase[®] Bahfa knogmk[®] mankar[®] Sav[®] Cav Nas; el kEl gEt fák;
 dtknab[®] S Bke Edl Fab) andtknab[®] Akú t mnenatú .

⁴ Sthemll John Knodel, Zachary Zimmer, Kiry Sovan Kim, nig Sina Puch, \TBI Cú W AIDS mkel k Bkmpy vly
 cas;² en Akú m&a (Ann Arbor: SKI vItúal y Michigan, mCam NÚ sk Sa Gú Bú l rdæ Exem Sa 2006 Ekstú enA Exk Bú
 2006). Sthemll pg Edrnú John Knodel nig Zachary Zimmer, Cú N Hú Gú AIDS rbs mnis Scas nig kar sá cit pfl ;
 kar EFTab Akú Catú sas mly Edl kú Fokxú Rk : Ps tag Edl) an m k Bk m&a (Ann Arbor: SKI vItúal y Michigan,
 mCam NÚ sk Sa Gú Bú l rdæ Exk Bú 2006).

⁶ HelpAge International, \TBI rbs HIV/AIDS mkel mnis Scas en Akú m&a (London: HelpAge International, 2003)
 Gegát rbs Ggkar HelpAge International/ Rksú sgnkú[®] kargarnig Gtly TÚ n en A qm 1998 kú Rkú Pú Bú) at dlog
 kú t kú gcam nig ta kv. Gegát mnis Scas en Akú kú m&a qm 2004 en Akú Rkú Pú Bú ext) at dlog kú gcam ta kv kNú l
 nig éRBEvg.

kar[®]sav[®]cavrbsRkm ADI KWcg[®]rgbTBesaFn_nigsAnPaBbc[®],nirbsmnsScasenAk[®]sgát; cMhBr enAk[®]TR[®]géb:ln. niyay [cMTA eKngkM3RbCasaRspbsmnsScas; nigRovtp[®]INakRsk Estyyl G[®]lyT[®]sarsp[®]igkar[®]okbrbrcBa[®]Clit Bnitüemll eTAel karerobcMarsenA nigbN[®]bj]bt[®]h[®]ka[®]MTepSg² nig)anRbmaNG[®]IsAnPaBsxPaB nigkarEfT[®]ab[®]xPaBrbs; mnsScas;

TisedAénkar[®]sav[®]Cav

- kM3RbCasaRsp[®]igRovtp[®]INakRskrbsmnsScasenAT[®]R[®]géb:ln.
- Estyyl G[®]lyT[®]sarsp[®]igkar[®]okbrbrcBa[®]ClitrbsmnsScasenAT[®]R[®]géb:ln.
- Bnitüemll karerobcMTAel karsenA nigbN[®]bj]bt[®]h[®]ka[®]MT[®]rbmnsScasenAk[®]R[®]géb:ln.
-)anRbmaNG[®]IsAnPaBsxPaB nigkarEfT[®]ab[®]xPaB rbsmnsScasenAT[®]R[®]géb:ln.

sMNYKnénkar[®]sav[®]Cav

I kN³RbCasaRsp nigRovtp[®]INakRsk

- etll kN³RbCasaRspbsmnsScasenAk[®]PthRsavRCavenH manG[®]h? etBkeKmanGayu nigCabos[®]Sp[®]mp[®]nnak? etIsAnPaBRKVsarrbsBKKatmanI kN³dtemp? etBKKatechGkSreT? et)an cU eronbeT? etBKKat,CaCnCatG[®]P kansasnaG[®]h?
- etRovtp[®]INakRskEbbNax[®]h rbsmnsScasenAk[®]PthEdI kMts[®]MokarskSarsavRCav? etl Cem[®]hs[®]g[®]Amkngmk)anbHBal dtemp[®]hdI ClitrbsmnsScas? etBKKatF[®]obq[®]kat; cM[®]Nak[®]s[®]kedaybgitbg[®]M[®]Bat[®],[®]as[®],K[®]SarbeT? etBKKat)anCb[®]b[®]Th[®]Ukars[®]ob[®]bs[®]b[®]Bn[®]sb[®]h küsm[®]ys[®]g[®]ambeT? ethU ehtG[®]IdI eF[®]IGayBKKatpas;TKEng[®]rsBKEng[®]m[®]yeTAKEng[®]m[®]yeTotCabn[®]p[®]nabenah?

yl[®]sars[®]okbrbrcBa[®]Clit

- ethmnsScasenAcU rnk[®]g[®]kargarmnpl itPaBEdrbeT? etG[®]h[®]Cakargarm,grbsBKKat; k[®]g[®]eBl bcd[®],n[®]h? etkargarenHCakargarm,g[®]s[®]h[®]beBl evl aPakeRchenClitrbsBKKatb[®]? etl

viFIsaRsÞsavrCav

karRsavrCavRtU)aneFVLgkÞPthicMH 9 enAkÞsgát;TV I ¼ nig PthicMH 7 enAkÞsgát;
bryaxa kÞxNÞb:l n TRkgeþ:l n BÉF¶¶ 26-28 Ex]sPa qáM2006 . RbFanPthi)anpÞ ;
eGaynUoBahnnSscasGayu 55 qáMLg ehlybBaRtU)anBnitüepþgþateLgvij kÞgry³eBl
eFkarRsavrCavtammlu dan. kRngsMNÝenkarGegátEdl dk[®]sgxþecj Bl karGegátmnisScaskÞqáM
2004 RtU)anykmkerbbsMab,ÞasnCabkÁ CamYmnisScas; 153nak; Edl manGayeTAtam
karkMNtxageI lenAkÞsgát;TadÞr⁷.

bEnÞBél kRngsMNÝenkarGegát karsmþsnmnisSsMan²RtU)aneFVCamYGaCáFrsgát;
nigPthi nigmnisScasmYcMH . RsbKænHedr karBPakSaCaRkmtt²CamYmnisScas; kRtU)an
eFVLgCamYGikÞthiycMnasenAkÞsgát;TadÞrEdr.

⁷Stheml Knoldel et al, *mnisScasenAkme&astab*Britüemll]bkrNeRbenAkÞkarGegátmnisScas,qáM2004 .

RkboxND éneKal neya)ay

Gsry^{3e}BI Cag 25qäMkngeTA karyl dngGBl karvithp_eTArkvycINas; nigTmak;Tmigrbsya
cbBaHkarGPiDAn_)annngkBgTTV nUkarerobcMSSnaTanCafpLgvij Cabnbnab; enAeBI EdI Gik
begitekal neya)ay RBmTaldGikGnutpna)annngkBgFVL karyl dng nigkareBj citpbsBkek
manI kN³sCERmAeTAel karrincMnk nigtrmUkarBessrbsmnsScas; cMNeEdI KYcabGarmjN_
bptenah KWehI Cakarpesbpbkarcat;TikmnsScas;fa CabnkmyeTACakarTTV sAl ;fa BkKat;
manskpBI dFmeFg sMbeFVL karmankare)ahCMhaneTAmxenAkjvisyGPiDAn_ . pbyeTAvij
karpesbpbUpitKMitGBmnsScas;)annngkBgman\TB I el eKal neya)ayGPiDAn_ nigvFeFKarCa
erch . EpiEdI manCabnbnabxagerkam bgaj [eXlj nUsNaneneKal neya)ayGBk karvithp_
eTArkvycINas; nigmnsScasEdI)annngkBgektmancab;tdjBedmTsvtS1980 mkeml.

Epnkar skmPaBGnpCatGBk karvithp_eTArkvycINas; enARkqvEyn -1982!

Epnkar skmPaBGnpCatGBk karvithp_eTArkvycINasenATRkqvEyn énRbeTSGBTs EdI
)anyI RBmedayGgAsnatkarshRbCaCati enAqal1982 KkacikRmerBogGnpCatel kThly
sBk karvithp_eTArkvycINas;. EpnkarenaHmanekal bMng BRgysmtPaBrbsRbeTSCaerch edm,l
eGayRbeTS TaldenahFKarRokbedayRbsitPaBcamYng karvithp_eTArkvycINasénBI rdabxh
RBmTaldkarRBY)armö nigtrmUkarBessénmnsScasrbsRbeTSBkek .: enAkjÉksarenaHKMan
Gnsasn⁶² sMbdakecj CaskmPaBedayeppteTAel visy sXPaB nigGaharbbtbnö kar
karBarmnsScaskjgkareRbR)as; nigTij rbsrbrepSg^{2/} karpti CMk nigbriyakasrsenA/ sXmal
PaBsgñ esBPacINU nigkareFKargar nigkarGbrM

kjgeBI EdI EpnkarRkqvEyn)anCYel kslykaryl dngGBItRmUkarBessrbsmnsScas;
enaH karBhitüCaerOy²)anbgaj [eXlj fa rdaP)al Caerch)aneFVL mankarvithp_tictt: enAkjkar
Gnutp_rbsxh. KInvbtFMYrbsEpnkarKlfa va)ancat;Tikkarvithp_eTArkvycINas;faCa bBaä :
mly ehly)ankINtykrdaCatGgAsManEdI RtUTTV xisRtUel karrkdMNaHRSaycbBaH bBaä :.
CakEsjrdap)al PaKerchminmanFnFanRKbRkan; edm,éFt amGnsasnCaerchEdI manenAkjEpn
kar enahT⁸.

⁸ HelpAge International, *karvithp_eTArkvycINasnigkarGPiDAn_ ExFüqal2000*.

esckRokasrbssshRbCaCatisBl sifTV)ankarGPIvDAh_ -1986!

esckRokasrbssshRbCaCatisBl sifTV)ankarGPIvDAhEdI)anGnmZenAqM 1986)anTTV sAl sifbsRbCaCnTadGs; EdI RtUTTV)ankarGPIvDAhedaymanI kN³TU MU aymly kjdNrkaredic^osgn vb,Fm' nigneya)ay. esckRokasentH)an [niymny CafpLgvij eday)ankMtkarGPIvDAhCa sifS: mly KMinEmn bBa: eT ehly)anClypl Ca RKIngmahly dI esckRokasekal neya)ayGnaKtGBImnsScas; . eTahCayagNakeDay esckRokasentH min)ancabbgGayrdaPi)al nanaRtUeTgnutpueKal bMngrbsesckRokasentHmlyNaeLy.

eKal karNrbssshRbCaCatisMbmnsScas; -1991!

eKal karNrbssshRbCaCatisBl mnsScasEdI)anRbkaseGayGnutpnAqM 1991)an kNtsifbsmnsScas;fa CakarTTV)annUEkraCu karcl rh karEftalVkarbBj tamcMngcMNU citbsxh nigesckpff. esckRokasentHkMin)aneGayrdaPi)al RtUetbBj tamesckRokas rbsvaNamlyEdr .

Epnkar skmPaBRkgmakav GBkarvitpeTArkvycas;MbtMnGasH)asInk -1999!

Epnkar skmPaBRkgmakav GBkarvitpeTArkvycINassMbtMnGasH)asInk EdI)an yI RBmedayKN³kmpFkarshRbCaCatEpkesdic^onigsgnsmbtMnGasH)asInkenAqM 1999)anRokas dI cMncRBY)armMcmR)abR EdI Tak:TgeTAngkarvitpeTArkvycas; nigmnsScas; EdI epptel zananRkmrbsmnsScasenAkjsgnsmnsScas; nigRkYsar sPaB nigGaharbtbH Ctk meFua)ayeFMMNr nigkarerobcWriyakasI ymnsScas; nigTpSar esBPabcMNU karEftalVnig kareFkargar RBmTadesvasgn nigshKmnpgEdr.

eKal edAGPIvDAhshsvtS -2000!

eKal edAGPIvDAhshsvtS (MGD))anRBmerBogenAkjkcRCMNU shsvtSrbsGgkar shRbCaCati naqM 2000 . eKal edAenHmanbMngkatbnYeGay)anBakkNpI nUPaBRkRk nigkarGtXan karstc)ankarGbrMtbzmTadBPBel ak el ksjsmPaBeynD1/2 nig karpI ; GINacdI RspkarkatbnYeGrtamrN³PaBkmar el kkbssPaBrbsmpy karRbyuTingCmGds_

nigCMYKncaj ; karFananihpPaBbrisAn nigerobcPaBCaedKtskl sabbkarGPivDAn_ . eKal bMNg Klfa eKal edAGPivDAnshsvts PakerchGacngsMrc)anenARTmqal2015.

eTahbCaeKal edAGPivDAnshsvts min)anbBaakdl mnsScasCarKunCak: akmykeday EteKal edATajjenah)anCYdakec j nUbBaafMEdl GacngRtUBcarNa kigEpnkarskmpPaBGnpCati enARKgmaRDit RbeTseGs;aj sBkarvitpeTArkvycMnasenAkugqal2002. enAkugkarBcarNa GBIsar³sManenkarrabbBaP bBaGBlmnsScaseTAKugsgan **GgkarCYCncasCraGnpCati** (HelpAge International))aneslskmpPaBCaerchedm,bFV[R)akdfa eKal edAGPivDAnshsvts nig dakbBaP nUCnrkRkbldt nigmnsScaseTAKugjenah. cMncTajjenah KWhTajkarTTV sAl Rsp nig busEdl manvycas;CaTPakgarposbhmYRokbeTadayRbsitPaB/ kareFVGayR)akdfakarvPaK GBPaBRkRkKWhGnel amtamePT nigGaykal kareFV smPaB eynDkayCakarBit sabbRsp nigbrs enARKbGayTajGs/ karFana [mansmPaB nigsitSamu dansMabCnEdl plk HIV/AIDS, karKitKbel smPaB karCU rh karGPivDAnvagCManmy eTACManmy -GnpCMan; nigCMYEdl manRbsitPaB nigkardakbBaPvFankarkarBarsgan⁹.

EpnkarskmpPaBGnpCatRkgmaRDit GBkarvitpeTArkvycMnas; -2002!

EpnkarskmpPaBGnpCatRkgmaRDit GBkarvitpeTArkvycMnas; Edl RtU)anGnm% [erbl edayRbeTs Edl smaCkrbsGgkarshRbCaCatitaj 159 enAkugExemsa qal2002)anGBav nav [mankarposbpeTael Epk\riyabf eKal neya)ay nigkarGnutp_dbcHGaceFVGay skpnBl dZMFgeneKal neya)ayrbsmnsScas; GacngsMrcTA)an. EpnkARkgmaRDit Edl CMVseGay EpnkARkgvEyn Edl)anbBaakc,asGBIsitfbsmnsScasEdl RtUTTV)ankarGPivDAn_KWg; [bBaPeTael karerlseGgcbahGayWY nig)anbBaak,yagTU MU ay GBItRmUkarEdl RtUdakbBaP karvitpeTArkvycaseTAKugreobvar³rbskarGPivDAnCaskl . EpnkARkgmaRDit manekal eda cMh 33 nigGnsasn_cMh 117 cMnc Edl ek)andakcu eTAKugRkm GaTPaBcMhKWhnsScas; nigkarGPivDAn_ karCMj eGaymankareI kkBssxPaB nigsxmal PaB kigRkmmnsSvycMnas; RBmTajkareI kkBsskarKantbriyakassMhBkeK.

⁹ HelpAge International, eKal edAGPivDAnshsvtsRtUedakeKal edAeTael CnrkRkbldt nig mnsScas; qal2000.

Epnkar skmpaBTRkgmaRDit) andakec j nUTsSn³visy mly nigKN tēmCaerch sMab; sghmnsSRKbyy/Gayikal . dt)anKtsbBaakedayGgkarClyCncas,CraGnpCati (HelpAge International) va)anbBaak,yagCak;l ak,fa karvittpeTArkvycINas,GacngKYberBaobcl eTAKg rebobvar³enkarGPiDAn_CaskI nigGBavnavGaymansITITV)ankarGPiDAn_sMabmnsScas; . Epnkar skmpaBenaH)anTTtsM rdap)al bBaP mnsScaseTAKgkarGPiDAn_Cati nig dNtkar ekal neya)aysgh dtCayTsaRskatbnlyPaBRkRk nigEpnkarGPiDAn_Catinana . vamanEpK EdI niyayBispaGgkarRBy)armEdI echEtekheLgCaerchEdI mancbBalmnsScas; nigRKYsarrbs; Bkek edayrmbBaP TabBa³ HIV/AIDS, GBHngSa nigkarrMl aPbBan ITPaBTTV)anesva sPaB nigkarkarBarBlsgh . vakYanesisGaymankarshkarN_ nig PaBCaedKbKbeday RbsITPaBrvagrdaP)al sghmslil TPakgarGnpCati nigvisyEkCn RBmTajmnsScas; nigGgkar rbsBkek edm,tGaysMtc)aneTAtamekal bMnigrbsEpnkar¹⁰ . kgeBI CamlyKaenH Epnkar RkgmaRDit min)anppl FnFanGwEnbneT sMabkarGnutpenah.

ytSaRsgnutpbcattMn; enARKgesogéh -2002!

KN³kmpFkarTTV bnkesdec[©] nigsgmstab,tMnGasht)aslnkrbsGgkarshRbCaCati)anbeghtytSaRsgnutpbcattMnenARKgesogéh naExkBa³ qal2002 edm,gnutEpnkarRkgmaRDit nigmakavenAKgtMnGasht)aslnk . ytSaRsgnutEpnkarenARKgesogéh)anepteTael visy GaTPaBcmhobbsEpnkarTRkgmaRDitKmnnsScas; nigkarGPiDAn_ karCmj [mankarel kkbS; sPaB nigsxmal PaBkgrkmmnsScas;RBmTajkarel kkbSskarkarNTbriyakassMobykek .

GaTPaBedI Tak:TgeTAnmnsScas; nigkarGPiDAn_ ytSaRsgnutpbsRkgesogéh)an erobrabGbl skmpaBKnEdI manenAKgtvisyxagerkamdteTAenH karberBaobkarvittpeTArkvycINaseTAKgeKal neya)ayGPiDAn_ nigkarel ksbysmahrnKmp nigkarcl rneBjel j rbs; mnsScas; karppl karkarBarBlsghnigsntpsx karkatbnlyPaBRkRkenAKgrkmmnsSvycINas; mnsScasnigsanPaBGasni -sergáHbnh; karel ksbysriyabfvCman cbBakarvittpeTArkvycINas; nigmnsScas; kareFlkargarrbsmnsScas; nigkarTTV sAl bBa³Cak;l akCaerchenAKgt visyvittpeTArkvycINas;

¹⁰ HelpAge International karvittpeTArkvycINasnigkarGPiDAn_ ExkBa³ qal2002.

GBkarCij eGaymankareI kkbss,PaB nigssmal PaBkijRkmmnsSvycMnas yuTsarsp
GnutpbsRkgesogéh manskmPaBCaknHak;l akenAkjvisy chBfKW karFana [)annUKINPaB
ClitsMabmnnsSRKbGaywky edayrmbBaP TajkarsenAedayÉkraCs,PaB nigssmal PaBRBm
Tajkarpil ;s,PaB nigkarEFTalyæBI EvgEdI RbkbedayKINPaB.

cbBalkareI kkbsskarKaRTbriyakassMabKekenah yuTsarspGnutpbg esogéh)anerob
rabyagBisprnUskmPaBKnlEnAkjvisy dteTA³ mnnsScas; nigRKYsar/ esvasgñ nig karKaRT
BlshKmn_ Clk nigbriyakasGMNaypl karEFTalnigkarKaRTcbBalkEFTaMRBmTajkarkarBar
sITfbsmnnsScas;

eKal neya)aysMabmnnsScas; enRBHraCaNacRkkmCa -2003!

eKal bMNgénxmsarrbseKal neya)ayenHedI ek)anRbkaseLgenAkjgqñ/2003 KWedm,l
FanafamnsScasenARbetSkmCaktU)aneKpl ;[nU»kascU rhcMNk nigmancMNkkjpl cMNj
epSg²énkarGPiDAnCati . raCrdaP)al kmCamanthaTTTV xisRtUel Isxmal PaBrbsmnnsScas;
nigmanCaskmpPaBedm,eqlytbeTAngbBañ nigtrmUkarrbsBkek . Éksar)anEcgfa karKaRTedI
mnnsScasRtUkar KntUnhcMNkTTV xisRtUedaySbhepSg² rbsraCrdaP)al EdI BakBnsday
mankarKaRTBlsgñsil shKmn_RKYsar nigmnnsScasepSg²eTot . RbkarenHKWmbBaP Tajkark
GPiDAnesvasxmal PaBsmmnnsScas; kareI ksükykarrabbBaPmnnsScaseTAKjsgñ CaBi
essRspnAtamCnbT karpil karBüa)al eday\TKitéfal mnnsScasEdI BkarPaB karbegitKMag
\NTanxättsMabskmpPaBbegitcNU rbsmnnsScas; nigkareI kTikcitpnnsScaseGaycu rh
kjsskmPaBGPiDAnsgñepSg².

I TölrakeXij nig karvPaK

I kN³RbCasakSp

ek)aneRbbBalsMNyénkarGegátCamlyGkpl bTsmösn₂Mh 153nak; Edl manGayucabBl 55qámLeLgeTAmkBRkgeb:ln sgát:TV I V nigbryaxa . kjcMh₁srbenHman 86nak; -56°; Cabus nig 67 nak; -44°; CaRsp. GaymFümrb₁sb₁busKW62>1qámNig GaymFümrb₁Rs₁KW 67>2qám kjcM₁NambusTaldGsEdl RtU)ansmös₁n₁manBakkNpI Edl manGayu60qámLg rÉ Rspij manEt bPaKb₁h₁b₁N₁H Edl stfkj₁RkmGayenH. c₁Balbus GkEdl manGayucabBl 70qám eLg KManEt 19° c₁MNkÉRspij GkEdl stfkj₁RkmGayenHman 37°⁹.

c₁MhPaKerchd₁ l s l b₁myénGkpl bTsmösn₁araykarN₁fa BkeKmanedmk₁NitExp nig kansasnaRBHBT₁ eTahCayagenHK₁day manbusEt 23° -20nak; kjc₁M₁Nam 86nak; nig Rsp33° -22nak; kjc₁M₁Nam 67nak; b₁N₁H Edl)aneTAvtyagehacNas; m₁gkj₁m₁ys)h₁ kal BExmn.

sAnPaBRK₁Sar

G₁lsAnPaBRK₁Sarvij PaKerchenGkpl bTsmösn₁CabusKW naeBl bcd₁,n₁nH enAman RbBn₁§nAeT₁ly ehlyk₁geBl CamlyKaenHEdr PaKerchenRs₁KW₁Aemmay -sthemll taragT₁l¹⁰. ninakarenH eK₁GacBn₁l)anfa sg₁nk₁m₁Cap₁l eGaybusman»kaserobkarm₁geTot kj₁km₁terch CagRsp CakE₁sp kjc₁M₁Nambus₁Mh 22nak;Edl RbBn₁§ansabecal eTAenaHman 15nak; -68°;)anerobkarsaCaf₁pl₁gvij . x₁sK₁RsLH kjc₁M₁NamRsp₁Mh 48nak; Edl st₁m₁§ansabecal enaH manEt 9nak; -19°; b₁N₁H Edl)anerobkareL₁gvij . d₁ch₁ enHCakarbg₁aj yagc,as₁fa GRta

⁸ tankareRbobeFob karEbgEck₁tamePTenAk₁gGegátmnsScasqám₁2004 KMan 40 PaKryR₁bus nig 60 PaKryR₁sl pl eFobT₁§AenkarGegát₁en₁H₁manbus 67nak; T₁l₁h₁Rsp₁100nak; ehlykarEdl manbus₁teCag KW₁lyEpikedaysar₁h₁g₁sa neya)ayEdl eF₁GaybusrgeKaldI GayCliterchCagRsp ninakarenAk₁g₁tl₁nebl hvij man₁teCag edaysar₁fa en₁leBl Edl KitEt₁mnsScasEdl manGayucabBl 60qám₁l₁geTA. c₁Bal₁karGegát₁en₁lebl in st₁h₁oGayucabBl 60qám₁l₁geTA busmanEt 46PaKry nig₁§man 54PaKry . d₁ch₁ en₁leBl Kit₁s₁M₁NakC₁ar₁h₁enkarGegát₁en₁lebl in ePT₁ald₁Bl₁U₁et₁l₁g x₁sCagGegát 2004 edaysar₁et₁buseB₁j₁v₁yCae₁h₁nakEdl FabCaG₁tt₁TahanExp₁R₁h₁mehlybcd₁,n₁nH manGay₁en₁l₁ 55-60qám.

⁹ p₁veTAvij karEbgEck₁RbePTGay₁rb₁sb₁busnigRspT₁atamRkmGayupSg₁²KaenAk₁g₁karGegát₁mnsScasqám₁ 2004 manI k₁N₁³RsedogK₁erch.

¹⁰ ninakarenHK₁§b₁K₁CamlykarGegát₁mnsScasqám₁2004 Edl raykarN₁fa busman 82° Edl manRbBn₁§naeBl bcd₁,n₁ ehlyRspan 64 PaKry K₁mmay.

erobkar eLgvij sMabbusKW sCagRsp bñitE l xk)anbgøj eGayeXij pgEdrfa GRtamrN³PaB
 bpbRbNš eKeXij fa RspCaeChmanbpb sxi)ansab; kÿkMt xsCagbusEd l man^oBnš abecal .
 erOgenHKW NpI mkBI TI 1 RspanGaymFüm xsCagbus Ed l bBañHnaM GayBKkat; minGacnÿ
 erobkarCaf)an nigmlU eh tñyeTotKW sCaechnakRtU bš abecal eenAkÿrbb bil Bt.

taragTI1 ³ sñPaBRKŠarbcñ,ñi						
mnšScasEd l manGayl55 qñLgeTA enAsgät;TV I Vñg bryaxaRkgeb: l ñ						
Ex]sPa qñL2006						
	bus		Rsp		srò	
	cMh	PaKry	cMh	PaKry	cMh	PaKry
l v -minEd l erobkar;	1	1°	6	9°	7	5°
manb ^o BnšBI bcñ,nñH	73	85°	11	16°	84	55°
EbkKä	2	2°	3	4°	5	3°
El gl HKä	2	2°	5	7°	7	5°
emmay/yeBalmay	8	9°	41	61°	49	32°
bpbRbNš(an)atxi	---	--	1	1°	1	1°
	n=86		n=67		n=153	

sñPaBRKŠarKW man l kñN³RsedogKäeTAtam^oPePTénGikpñ bTsmñsñenARkgeb: l ñ.
 Gikpñ bTsmñsñenCabusPaKerchEd l CaGtitTahanExpRkchm)anerobkarCaf) CamYRsñEd l man
 vÿyekg. tamBit 67° - 49nak; kÿcñNam 73nak; éñRbNšEd l)anCbsMasnpñl ; nigmin
 pñl pgenah KManGayeRkam 55qñLhañE bcñ,nñH . pÿyeTAvij bñEd l (U)anCbsMasnpñl ;
 nigminpñl Ed l manGayeRkam55qñLhañE KMan^oEmEt 18° -2nak; kÿcñNam 11nak; bñNñH.
 KYktsMal pgEdrfa GaymFüm rbsRbNšKW52>4qñLÉGaymFüm rbsbpKW65>2qñL busEd l
 man^oBnšKminRtmEtmanñMherchCagRspñNñE T EfmTavÿy rbs^oBnšKñAekgCagxñE Totpg.
 KñsñMPrayaEd l)anerobkar ehÿrsenACamYKäenAkÿpñEtmYCabRbNš ehÿymnšScasEd l
 manb^oBnšKÿEtrsenAe^oKamñU pñEtmYnaeBI sBñfñH.

I TPaBTTY)anBžman

CaTETA Gikpł bTsmāsn_{man}I TPaBTTY)anBžmantamry³viTūū nigTtTsSn_eehCag karTTY)anBžmantamkaEst bĒksarepSg². bus 59° -51nak; kūcN_{am} 86nak; ; nig Rsp 34° -23nak; kūcN_{am} 67nak; ;)anspviTūū yagehacNas; mḡkūmYs)ph_{kal} BExmn. RsedogKāenHedr manbus 50° -43nak; kūcN_{am} 86nak; ; nig Rsp36° -24nak; kūcN_{am} 67nak; ;)anemll TtTsSn_yagehacNas; mḡkūmYs)ph_{kal} BExmn.

pl̄yeTAvij I TPaBTTY)anBžmantamkaEst bĒksarepSg²KW GaRsy_{ytamk}mtGk_{ḡkmp} nigkarBakB_hTA_{ng}»kas)ancU erontamsal a. CakEsp 27° -18 nak; kūcN_{am} 67 nak; ; énRsp_{KūcH}GanGkSr ebekbobeFobeT_{Ang}busvij manrh_{tdl} eTA 75° -65nak; kūcN_{am} 86nak; ; Edl echGkSr¹¹. karecH_{GanGkSr}manT_{mak}T_{mg}edaypāl eT_{Ang}»kascU eron. enAeBl Edl bus man 84° -72nak; kūcN_{am} 86nak; ;)ancU erontamsal a b_{vt}GaramenaH Rsp_{KūcH}ManEt 31° -21nak; kūcN_{am} 67nak; ; bēN_h Edl)ancU erontamsal a b_{vt}Garam¹². müagvij eTot I TPaBTTY)anBžman tamkaEst bĒksarepSg²KWGa_{sy}el karmankaEst nig TsSn_{avd}st_{ab}; GanEdr. kūcN_{am}Gikpł bTsmāsn_{man}busc_{mh} 38nak; Edl)anGHGagfa BkeK_{Gac}GanGkSr)anyagRsl ehlykūgenahman 17nak; Edl)anGankaEst yagehacNas; mḡkūmYs)ph_{kal} BExmn. pl̄yeTAvij Rsp_{man}Et 4nak; bēN_h Edl)anniyayfa BK_{Kat}GacGanGkSr)anRsl ehlymanEt_{māk}bēN_h Edl)anGankaEst yagehacNas; mḡkūmYs)ph_{kal} BExmn.

Rovt_pNakRsk

cNakRskcU mkkūRkgeb: / ĩ

Gikpł bTsmāsn_{Taj} 153nak; sT_{st}teklitenAkūRbeTskm_{ca} Edl kūgenahmanGikeklit enAkūext_{dat}dg manc_{mh}erchCageK_{bl}ktKW 34° . Gikpł bTsmāsr_{et} 3° bēN_hEdl)aneklitenAeb: / ĩ. el l_{sb}BenHeTaeTot c_{mh}Bahmn_sScasEdl RtU)ansmāsn_{KūcH}ManEt 12° bēN_h

¹¹ t_hl xT_{aj}enHenAetxsCagt_hl xenAkūGegāmn_sScasq_{ml}2004 Edl)anktR_tafa Rsp_{KūcH}Man 20PaKry CaGikecH_{GkSr} ehlybusvij KūcH 72PaKry CaGikecH_{GkSr}.

¹² c_{mh}T_{aj}enHk_{xs}Cagt_hl xenAkūGegāmn_sScasq_{ml}2004 pgEdrEdl)ankt;T_kfa busKūcH 76PaKry)ancU eron kūcN_{am} a b_{vt}Garam rERspij KūcH 21PaKrybēN_h.

Edl)antabTII mA kŕRkgeb: l nmmqam 1979 -sthemil taragTI2!, enHmannŕfa mnisScasenA kŕsgat;TabBrnRkgeb: l nKVPakehobitCaBl rdEdl mktMnepSg²kŕpBeTs.

cl naenCncMnakRskcl mkkŕgeb: l nCabnbnabKæenH qŕbBaŕŕeGayeXij Bkarvithæn RbvtsaRskŕBeTsŕkŕMtd³U MU aymŕ. CakEsbŕ enAkŕExmkra qam 1979 kgTBevotNam)anel kŕk,ŕcl mkkŕRbeTsŕkm&a Edl eFŕGayExpRkHmePosxŕŕecj BTRkŕŕ nigbNhextpana eqaHeTakanRBŕdnPaKBayBŕenRbeTsŕkm&a. enAeBl enaHcMhTahænExpRkHmdŕŕch)anpascU mkrRkgeb: l nEdl CabRBŕdnéf. kŕŕcMhenH kŕanrabbBaŕŕTabmnisScas;Edl (U)ansŕPasnpg Edr ehŕyEdl BKkat;)ancU mkenAéb: l ntabŕBbdm qam 1979 mkeml. manGŕkpl bTsmæsn_ 19nak; cl mkkantŕŕnenH Etkŕŕy³eBl mŕyqam kŕqam 1979. tŕŕnéb: l nenAetCamU dæn nŕgmaŕŕyrbSExpRkHmrhŕŕd l ExkBaŕŕ qam 1996 ehŕyEdl Benah mankarRbyŕŕŕKaj kŕj ab; nardUR)abŕ CamŕykgkmaŕŕevotNam nigkgkmaŕŕ raCrdaŕŕ)al km&a. PaKerchobŕŕenCncMnak Rskcl mkrRkgeb: l n enAkŕqam 1979 dl ; 1995 KŕPaPaKExpRkHm b=GŕkEdl mankarBakBŕŕŕ CamŕyskmPaBrkCkt,ŕŕ. CagBakkNpl énbusEdl ek)aneFŕŕPasn_)anmkkanRkgeb: l nenAkŕŕ cenahŕy³eBl enH -sthemil taragTI2!,

taragTI2 ³ qam cl mk nig tabTII mA kŕRkgeb: l n mnisScasEdl manGayŕ55 qamLŕ enAsgat;TII l ŕnig bryaxaRkgeb: l n Ex]sPa2006						
	brs		Rsp		sarb	
	clh	PaKry	clh	PaKry	clh	PaKry
mnaqam 1979	12	14°	6	9°	18	12°
1979-1995*	47	55°	24	36°	71	47°
1996-1999	22	26°	18	27°	40	26°
2000 mktI nŕgbcŕ,nŕ	5	6°	18	27°	23	15°
	N=86		N=67		N=153	

enAcgqam1996 kareFismahrNkmkkgkmaExpRkHmenAkgttWneb:ln cU eTAKjsgAn kmGavij)anbegit»kasmYEdI eFVGaymankarekheLgnUcMhmnisScascMnakRskcU mkrseNA kjsgat;TajBrsBfqnH. kijnamCaGkrRbyT6)ahCMMAtameBentWneb:ln Bkek)anEbk)akBl RK'arGsry³eBl yagytd. karpakkar)aj Ka nig kartajTil MhAGcErnyrbs;TahanExpRkHm enAkgttWn;TlabddCa TV I a nigbryaxa eFVGay«BkmpymkrseAACamYkbecArbsxhLeLgvij . dteH karcbsRgam)annamknUsnPab EdI CaktasMankjgkareFVGayskmpPaBesdkeRheLg ehlynig)anTak;Taj mnisSeGaycU mkrkkargareFVnAkgttWneb:ln. enAcgqam1999 snacMnak RskrbsmnisScas; mkkantWneb:ln)anfych. KybBaakfa enAkjshsvtSfl; PaKerchen CncMnakRskKWCarSpmmayEdI)ansMccitpkrseAACamYkbecArbsxh -stheml taragT2;.

karcMnakRskedaybglt

RbvtsarskmeCarcbkRcbI kujcenaHqam1970 mkTl ngkarTTV sAl snPaBeBjel j enAkjgqam1998)anpH nUbTBesaFnenkarcMnakRskedaybgltMnomsScasmYcMhFEdI enA rsrnanmanCvitsBfqnH. kujbrbTenkarGegatenHedI)anrabbBaGkptl bTsmasn_EdI FebCa TahanExpRkHm nig mnisScasEeTotEdI minEmnCaTahanExpRkHmpgEdrenah I T6I)anbgaj fa niakarencMnakRskedaybgltMnomsScasenAtWnenHKWmanI kN³xisEbk nig bhak,behI xh Edr . SedogKaETAng bTBesaFnrbsmnisScas;kmGadeTeTot mnisScasEdI (U)ansMasn_yageehbpt Feb)anTTV rgkarbgMGaycMnakRskkgrbb bl Bt. Gkptl smasnMh 50°)anpasbptkEng kujry³eBl enH ehlyBkeKTajGsRtU)anbgMGaypas;TkEng edaysarEt sRgam nigkarbyuKa. el sBenHeTot 20° enGkptl bTsmasnTajGsKW RtUEbkecj Bl RK'arrbsek kujry³eBl enH -stheml taragT3;¹³. BkarEdI KyreGaycM,kkujcitpnaHKW24° -16nak; kujcMnam 67nak; enGkptl bTsmasnCarSpnig 7° -6nak; kujcMnam 86nak; en Gkptl bTsmasnCabus man bPrbBnfbxh sobkgrbb bl Bt¹⁴. RsedogKaenHedr Rsp19°

¹³ GegatmnisScasqam2004)anbgaj fa 63PaKry enGkptl bTsmasnRtU)anbgMGaypasbptkEngkujsmYbl Bt ehly 19PaKry enGkptl bTsmasnRtUEFVGayEbkecj BRK'arbsxh.
¹⁴ eTahCayagNakeday ThimYTajenHKWbhak,behI KaETAngThimYkujGegatmnisScasqam2004 EdI)aneGaydgfa 23PaKry enRspnig 6PaKry enbus)anCbRbThkarsobPrbBnfbxh bbl Bt.

-13nak; kŷcM Nam 67nak; nig bŷs 6° -5nak; kŷcM Nam 86nak; mankŷsŷmak; kŷkM ŷ eBl bŷqM)akEx ěnkarRKbRKgrbsrbb bul Bt¹⁵.

BitR)akdNas; GkEdI (U)ansMasnTadentH kŷaCnrgeRkaHnrCkal dŷnsrbsrbb ExpRkHmEdr. el sBentHeTot TahanExpRkHmEdI GkrŷndMnkŷsRgŷm nig(U)aneKbBaeday bŷM Gaypas;TKEngenah kŷ)ankayeTACaCnrgeRkaHndGkĒeTotEdr. edaysarEtKarc, adŷKŷ nig karpasbŷTKEngEdI)aneKtmanCabnŷRkayBrbb bul Bt nig edaysarfa kŷkmdŷExpRkHm CapŷsŷmŷyenAkŷCemahenH dŷchvaCaerŷgFmŷtaEdI BkeK(U)aneKbBaedaybŷM Gaypas;TKadŷ ŷBmTadŷBat,ŷasBRKŷarenAkŷcenaHqM 1979 dI; 1989 ehŷxheTot kŷŷkatcM NakRsk edaybŷM nigkarEbŷ)akRKŷsarkŷqM Rkay²mkeTotEdr -sthemil taragTI3;¹⁶.

taragTI3 ³ RŷvtŷncM NakRskedaybŷM bŷqM 1970 dI bŷqM, nŷ mnsScasEdI manGayŷb5 qM Lŷ enAsgŷt;TV I ŷ nigbryaxaRkŷeb: l n Ex]sPaqM 2006						
	mnsScasEdI)anpas;TI kŷcenaHeBl enah		mnsScasEdI)anEbŷBl kŷcenaHeBl enah		mnsScasEdI bŷM Gay pas;Teday sarŷŷŷm	
	chŷh	PaKry -sM Nakrŷh;	chŷh	PaKry -sM Nakrŷh;	chŷh	PaKry -sM Nakrŷh;
smŷy l n; Nd -1970 dI; emsa 1975;	27	18°	8	5°	19	12°
smŷy bul Bt -emsa 1975 dI; mkra 1979;	76	50°	31	20°	76	50°
rbbEdI kaM edayevot Nam -1979 dI; 1989;	79	52°	30	20°	55	36°
evot Nam cakec j BRbeTs -1989; mkTI bŷqM, nŷ	96	63°	19	12°	23	15°
N=153						

¹⁵ chŷhTadentHR(U)ancat;TKfa mankŷtTabCagŷtŷl xenAkŷGegŷmnsScasqM 2004 EdI)anrkeXlj fa manPaKryEdI xsmŷyKŷŷPaKryěnRsnig 37PaKryěnbŷs mankŷmakŷŷokŷrbb bul Bt.

¹⁶ pŷyeTavij GegŷmnsScasqM 2004)anktRtaTKfa kŷcM NamGkŷpl bŷTsmŷsnKllmanĒt 2.2 PaKry bŷNŷHEdI RtUŷŷGaypasbŷTI l ŷAkŷsmŷyBŷqM 1979 dI; 1989 ehŷymanĒt 0.2 PaKry RtUŷŷpas;TKeng cabtadŷBŷqM 1989.

mU eh tEdl eFI Gaymankarpas bPTK Engkj skra Cbn pnb;

GB hng Sad 3/4/2014 Edl ekltmanen Akj sg km CaGsry³eBl Cit 30qam¹⁰cahtpl sManén karpas; Titatj Bk Engmlye TAK Engmly \ t Qb Qre TAtamsmly kal Rbv tps ar spmly²ehlymU eh tu enHRtU) anel keT, gedaymnis Scas Cae^hEdl (U) ansmösn Edr -sthemll taragT4!; Tahan ExpRk hmEdl cat; tatjedayemb Baakarrbs BkeK edm, bFKarRbyuT (nAtamsmr PthCaerChk Eng K) WaneFKarpas bPTK Eng cab; tatj Blsmly l n; n l ; mkemh. epnecj Blsmly l n; n l ; Edl man karvay^h harKae XareXA nig cM NakRskedaybgit bgm k ekeXlj man bBaäenH) ancabepnekheLg d l cM Nck BU enA^h Kadu g en CMan; bul Bt nig bnabomkeTot bBaäenH) anFakcHmkvij eBal KW enAkj rbbEdl KarTedayevot Nam. kjxN³eBl Edl TahanExpRk hmyage^h)anePosxäeTA kant; tWnéb: l nCab, BU tWnéf mnis ScasEdl)anpl cM lyCaerchnakEdl)anpas; Tk Engen Akj qam 1975)anvil RtLbmkkarRskkM Nltvij . Thmly)anbgaj fa mancab; tatj Bqam 1989 mk Gkpl bTsmösn) anpas bPTK EngedayqnPrbsxä edm, mkr senACamly ktheCA nig 1/4² edm, rk kargareFKkj tWnéb: l n.



taragT14³ mU eh tEdI mnsScas)anpasbptkEngBqdM 970 dI bcD,ni
mnsScasEdI manGayBI55 qdLg enAsgat;TV I UnigbryaxaRkgeb:In
Ex]sPaqad2006

	smlyIn;nl; -1970-1975;		smly bil Bt -emsa1975- mkra 1979;		rbbKamTeday evotNam-1979 -1989;		evotNamdkxh ecj dI bcD,ni -1989-bcD,ni	
	#	%*	#	%*	#	%*	#	%*
RtLbPthij eRkayBI karpasbptkEng	---	---	---	---	14	15°	4	4°
ePosxdecj edaysar sAnPaBneya)ay b ^a GMBhgSa	7	23°	42	48°	31	34°	7	7°
mehntusdec ^o eFkar;	4	13°	---	---	11	12°	40	38°
cat;tabledayembBaakar eyaFa	12	40°	24	28°	24	26°	15	14°
mkenACit b=enACamly bPAbBnsktbecA	2	7°	---	---	3	3°	33	31°
eRkaHFmCatxhdkskmp	1	3°	---	---	1	1°	3	3°
RtU)aneKbgMGay pasbptkEng	2	7°	21	24°	6	6°	2	2°
epSg ²	2	7°	---	---	2	2°	2	2°
	N=27		N=76		N=77		N=94	
*PaKryencemlysrto								

erOgrarbs; eBA sINag nig FU sifa

eBA sINag ekitenAqal/1950 enAextPkech. eBl manGayu15qal(Kat:)ancU rsenA kuyvtGaram kuynamCaPkisS ehlyrsenAkuyvtGaramenaHGseBl 5qal enAeBl sINagcak ecj BlCvrsenAkuyvtGaram CivrbsKatmankarERBoll yagxatj. Kat:)anCkcitpitGarmN_Camlynog cI naCatinymedh,ltbtTI nigGU EdI KatehAfa karQanBanrbsRbeTsevtNam xagt,ij nigshrdGaemrk . kuyqal/1970 sINag)ancU rthCamlykgkmatjExpRkkm. Gsry³eBl 22qalEdI Kat:)ancU RbLkkjgskmpaBRoyTsyagxatjka.

karebCacitpbossINagcbAlhbBvhtExpRkkmmanPaBscemAenAqal/1973 KwhAeBl EdI bArbs rbsKatBlrnakRtUsabedaysarkar)aj edaykabPlyynBeI lynchah kyeBl EdI BKeKkBgPöral dclMarrbs; xöbenAkuyextPkech . kyeBl RbhakRbEhI KäenahEdr mpymgrbsKatbhak; nig«BkmarbsKatmakRtU sabedaykar)aj rhedaykabPlyynBlynphah kyeBl kBgChreTheKatamRcaljTenemKgA. ynphahenahKDa rbskgkmatjGakasrbbIn;Nu EdI KamTeday Gaemrk.

kuyvraqal/1970 dI ; 1975 kgEkPaBrbssINag RtU)anTTV karcat;atj [eTakarBarbdINPaB km&a enAtamRBEdnCabCamlyRbeTsevtNamenAPakxagekIténextpnNü Kri . tlnenHFakcU eTAKjGU EdI ekehAfa pül MChij . sINag enAcgcalfa kuyGMLgvravqalH KDaEBl mly EdI ynphahcm,atjrb; Gaemrk)anTmakRKabEbkmlcl tlnenH Chkal CabKrhthdI ry³eBl 20emag. sINag nigmitphGavf rbsKatnaMRCkenAkjösämePaEdI)anCk eRbalmankarPitPkyedaysarsMl gkerKkrBaäy nigkarj RBH-FrNI ynphah. smmitExpRkkm rbsKatCaerchnakRtUsobenAkjkarTmakRKbEbkml crabdöRkaI RBM. minfakgTz rECn slul EdI CaGkrPthiKvankarrgeRkaH nigxtxatekchCagkgTzEaTot.

erKayeBl EdI ExpRkhmeLgkanGIMnacenAkjExemsa qal/1975 sINag RtU)aneKbnplak; [Or ecGenAtamtlnRBEdnPaK | sanCaboneTot . eTahbCasRgämcbetaehlykeday CemahbINPaEdndiCamly RbeTsevtNam)anmanPaBtantyeLg² ehlybNpl [mankarRbyT KarebHre)ahrvagGtIt smmitpbseK . eBl mankarbHTgäKäcttbenah va)ankayeTACa karpdeLgCaCemahdFMM kuyqal/1977 sINag)anrgrbS enAeBl EdI RKabkabPlyt,al ; EdI ek)aj ecj BltkdrbsevtNam)anCHGMog ehlyGIMogenah)ankbenAkj k,al rbsKat; . Kat:)anenAkjmnpeBTüExpRkkmGseBl mlyExedm,Büa)al bnabBkarykGIMogRKabecj Blk,al rcmk sINag)anRsl bl eLgvij .

enAedmqal/1979 kgTzrbsevtNam)anvaycU mkkjRbeTskm&a ehly)anbgM TzExpRkkm dkyf. sINag)ancU rthkgtThalyagsManmlyrbs;TahanExpRkkmEdI)an PasxäcU eTAKj tlnenRB enAeBl h CitRBEdnéf. tamBaküsmpbossINag CMMbsExpRkkm TTV rgkarI Mak yagxatj kuyGMLyeBl éncqal/1979-1980; enAkjeb:lh . kgTzEdI TTV rgkarhBzshlymanes,ógtcttbaNhsab;

bréPaK eI KEI gEtsk nigenmeOf . mnsSCaerchnak)ansabedaymínRBm Rofyjecj rkcINEnAxageKKA
bnáyEdI mansúteRB .

sINag)anrsrCvitBITkevTnaénqáldgenHenAkúgtdnéb:In ehlyk)anerobkarenAkúgqáldnbmk .
FU sIFa EdI CaRbBnfsossINa kZasmitExpRkHmEdrEdI)ancU rthkgkmdjbdvtperAkúgqáM1972 .
nagkákBextRkechEdr EtBKeKmin)ansÁI KáE rht)anmkrsenA nigerobkarenAéb:InenH. sIFar Faberob
karmprémkehly CamlyTahanExpRkHmáEdI)ansabkúgqáM1979 edayCanmhenAkúgextpBhvhar .
sIFarmankbmkGayu 2qáM CamlybhnrbSkat; eBI erobkarCamly sINagenAqáM1980. bnabmksINag
nigsIFarmankb beglt rbsBkeKcMh 3nakeTot .

BqáM1979 dI ; 1992 sINag)anbBaRgÉkPaBcl rbsExpRkHmEdI)aneFáMNIr qgkatextp
CaerchenAkúgRbeTskmCa dlcCaextpatdlog esomrab RBhvhar Rkech kúgFmkgcam eBaFisat; nigeKakúg
Caedm edayRoyúT\$TI Camlynigkgkmdj rbsGttrdemCa nigkgkmdj rbsévotNam rhtdI qáM1989 .
BKKatCaTÉRB RtUcacekj qáM BITdnéb:In EdI manry³eBI BI 6Ex eTAmlyqáM² edayBKeKrseday
sarGkPthi nigkarrbGsykGavF nigRkabrúsvTfahan . kúgGMLú qáMágenH sINagTTV rgkarQWab;
mígmál BIsámrb's eday GúbgRKabkal BIs qámCamlyGaemrk .

kúgqáM 1992 sINagQbCaTahanRoyúT\$skmpTotehly EdI enAeBI enaHTahanExpRkHm)an
kankabRkgeb:In ehlyRkmhmCkt,úBRbeT séfRtU)anTTV karGnBafit[rkrkErt,úgedm,rkcINU sHb;
RTRTgkarpcxú . enAeBI enaHRK'SarExpRkHmCaerch)anchyagsnSm²BPmktajTII hAenAkúgtúndITlab
enAéb:In. sINag)anTTV karcattajBifakdknabos;TÉRB [eFCaRbFanPthiyenAkúgXWnyaxa . kardk
xúecj Bkare)ahéqátqáM1993 rbsExpRkHm bNpI [mankarbnábyúT\$áCamlyrdáP)al ehly)anbgú
GkrtajTII hAtamtú;TlabTajenah RtLbcU eTAKúgtúneRBvij . Et kúgExkBaú qáM1996 PaKExpRkHmenA
kúgtúdnéb:In)anchU CamlyrdáP)al nigRtU)aneFIsmahrNkmpU kúgsgÁkmeCa. CaFmú eTot sINag
)anTTV tNgrbsKatCaRbPthimakenAkúgXWnyaxaeLgvij EtmgenHKWTV sÁI edayraCrdáP)al kmCa.

bcb,nánH sINag nigsIFa dabúNáM bIcMarTajGs;5 h kta EdI enAqúyBRkgeb:In edaydúúCa
I qeBat nigsENk. cMarEdI BkeKran)anenAkúgqáM1999 Kmancmúy 20K>BPthi. kbRbsFmBfnak;
rbsBkeK)anerobkar nigmankeTotpg ehlyrsenAel ksidanrbsBkeK. kbRbs nigkúRsbú)ancU
eronenAsal a nigrsenAcamly«BkmáyrbsxúenAkúgPthi EdI sINagQreCbCaRbFanPthi. edaysarEtkar
RoyúT\$á nigkarsenAkúgeRBGseBI CaerchqáM sINag nigsIFa GkTajBfCaTéTamanCúW náobnSúcaerch
nigclexSaykmdj. sINag TTV sÁI fa snpAb)anpl eGaymnsSRKbKánU T\$áBniyay nigeFáMNIr
edayesrlbúnkat)antú Etifa mRnhdáP)al xú xúyGúKN³bkSrb'sBkeK Cagsxmal PaBrbsRbCaCn.

suPaBkjkar®bkbrbrcBanClit

kargarEdI namknlcINU

PaKerchenmnsScasEdI)aneFkGegatenAkjsgat; TV I V nig bryaxa)ancU RbLkkkj
kargarEdI namknlcINU kjry³kal mlyqalmngmkenH EteKeXlj man busmancMhe^{ch}CagRsp
dtkarrBjTkeDr Gkppj bTsmasnEdI GaceFkargarrkcINU)ansmb,PKsar mancMhFokchKf
eGayktsMal ;kjvlyEdI kanEtcasCraeTA -sthemll taragT15;¹⁷.

taragT15 ³ mnsScasEdI)aneFkredm,lbtrbEg nig RKsarkjry ³ eBI mlyqalmngmkenH mnsScasEdI man GayBI55 qalmng enAsgat;TV I V nig bryaxa Rkjeb: l n Ex]sPaqal2006						
	bus		Rsp		Srb	
	chlh	PaKry*	chlh	PaKry*	chlh	PaKry*
55 qalmngbeTA**	67	78°	36	54°	103	67°
60 qalmngbeTA***	26	60°	20	40°	46	49°
70 qalmngbeTA****	5	31°	5	20°	10	24°
*PaKryénGkppj bTsmasn_enAtamRkmGaymly ² **N=86 nak; Cabus 67nak; CaRspnig srb 153 nak; ***N=43 nak; Cabus 50nak; CaRspnig srb 93 nak; ****N=16 nak; Cabus 25nak; Rspnig srb 41 nak;						

PaKerch -78°; énbusedI)aneFkarkjry³kal mlyqalmngmkenH)aneFkargarE^{sc}Mar
ehlyPaKerchbldt -52°;)anxitx^{MF}kareBj mlyqalm eTalhCaman 43° énbusedI manI TPaB
enAeFkarenAeLly)anniyayfa kjmlyqalmngeTAenH BkKat)aneFkartic^{tc}CagBeBI mn²kp k^{3/4}
75°énmnsSTajGs; manEpnkarbnxix^{MF}karkjry³BrqalmngmxeTot. busPaKerchbldtEdI
mn)aneFkarkjry³eBI mlyqalmngeTAenH)anniyayfa s^xPaBminI Yb-manBkarPaB.

¹⁷ GegatmnsScasqal2004 EdI)aneFkAeI mnsSGay^u60 qalmngbeTA)anraykarNfa 48PaKry énbusedI nig 28PaKry
énRsklhAmanI TPaBeFkargarenAeLly. busEdI enAeFkargar PaKerch (79PaKry) KijaneFkargarE^{sc}Mar bensat.
RspEdI enAeFkargarenAeLly PaKerch (64 PaKry) k)aneFkargarE^{sc}Mar bensatdtkarrEtstEtot (22 PaKry)
KlanBakBkj³skmpaBI kdtb^{ppj}esvaepSg².

plýeTAvij Gikpfl bTsmāsnCaRsfldl)aneFkarkal BqāMngēTA PaKe^{ch})aneFkargar^{es}
 cMar -56°; CMj tdtac bkarl kdtcttē -25°; nigkargarslQū -11°; . RspMhBak;
 kNpI énRsfldl xitxMāneFkarTaldGs;)aneFkargarTaldjenHeBj mlyqāM eTahof^{sp}58°)anTTV
 sāl fa kōry³eBl mlyqāMngēTAenH BkKat)aneFkarticCageBl mn²kpEtman67° én^{sp}Edl
 kMg EtxitxM²Fkar manEpnkarfangbn²FkarenHkōry³eBl BrqāMteTAmxetot . PaKeRchenRsfldl
 mn)aneFkarkōry³kal mlyqāMngēTAenH)anel keT, gfa s²PaBexSay bēBaðBkar dēbusEdr .

eday sarEtGaymFūmrbsbþ b² RbBn²FaldGsKW 54>1 qāM KwicCagGaymFūmrbsGik
 pfl bTsmāsnTaldGsEdl man 64>3 qāMhāh eFVGayeKemll eXlj fa kōry³kal mlyqāMngēTAenH
 bþRbBn²-86°; kōcMhe^{ch}CagGikEdl)anpfl bTsmāsnpāI ; -67°;)aneFkargarEdl namk
 nUcINU sm²o²K²Sar . dēcH RbkarenH)anpfl pl ²beyaCn²FgeTAdl Gikpfl bTsmāsnCabus
 erBahlbusEdl)ans²masnPaKe^{ch} sū²tman²Bn²ehly²Bn²šosBkKat; enAmanl T²PaBb²Bj
 kargarenAeT,ly . dēKāngGikpfl bTsmāsnEdr kōry³kal mlyqāMngēTAenH bþRbBn²PaKe^{ch}
)anxitxM²Fkargar^{es}cMar -65°; nig karCj ddtcttē -17°; . bēnkYbBaakfa TaldGikpfl ;
 bTsmāsn_nigbþ b²RbBn²šosBkKatCaerchnak; karRbkbkargarTaldjenHminEmnCakargarcldgenA
 kōqakCvitrbsBkKatenaTe²Bahfa Kitmk²mqāM1996 BkKatKWaTahanExp²Rk²hm b²smāCk
 Kal²fcI naExp²Rk²hm . eTahCayagNakp k²aanGikpfl bTsmāsnCaerchnakeTot Edl)aneF²INak
 RskcU mkkōjēb:l nBbN²hextp²Sg²cab;aldBqāM1996 mkenāH)aneFkargarERscMar es²teBj
 mlyCvitrbsxūeTAehly .

kargarEdl minnaMknUcINU

kōjxN³eBl Edl mn²sScasCabuse^{ch}Cag^{sp})ancU RbLk²kōj²kargarEdl namk²nUcINU
 enāH EtRspCaT²TAe^{ch}Etman²karmmaj k²kōj²kargarminnaMknUcINU b²karEFTa²RK²Sar nigp²šEm,g .
 CakEs²þ kōcM²NamGikpfl bTsmāsnCaRsp66nak; BkKat;)anRbkbkargarkōj²kMt j k²j ab; dēCa
 42nak; e)ass²atp² 38nak;)ane)akexaGav 29nak;)anerobc²Bahar 29nak; emll EFTa²Mb
 12nak;)aneTAp²Sar nig 4nak;)anC²šC²sp². c²MNkÉbrsvij kōcM²NamGikpfl bTsmāsnbus
 80nak; man 29nak; Edl)ane)ass²atp² 18nak; e)akexaGav 7nak; erobc²Bahar 23nak;
 emll EFTa²MbecA 18nak; eTAp²Sar nig 26nak;)anC²šC²sp².

dFb nig RTBüsm, tþpSgeTot

kmpstíflí blcMar dERS nig dLÚtþH KWnnsScasCabuseRchCagmnnsScasCarSpmandITabbl
ePTenH. Carh Gikpfl bTsmösnCabusman 63° -54nak; kjgcNnam 86nak; mankmpstíflí
cMar rÉSpíj manEt 24° -16nak; kjgcNnam 67nak;. EtTíhblcMarCamFümrbSrsp KW4>3
híkta FúagTíhM FüméndcMarbSbusEdl manEt 36híkta. rÉdERSvij eTahbCamankMíTab
dúKáTadGikpfl bTsmösnTabbus nigRspkKeXlj faenAetmankMíxskjgcNnambus. CakEspj
12° énbuEdl (U)ansMasnmandERSCamFümKW29 híkta EtSp4° énSpíTabGsEdl (U
)ansMasnmandERSCamFümKW14híkta. ebBnitüCarh 66° Gikpfl bTsmösnbus nig1/4RbBnš
rbsBkeK mandLÚtþH rÉrsp nig1/4= bþbsBkeKvij manEt 21° bæNÁH. cBakmpstíflí
eTael þHsEm,gvij Gikpfl bTsmösnbus nig1/4= RbBnšbsBKKat; 73° manþHþal xúCakmpstíflí
rÉrspnig1/4= bþbsBKKat; manEt 42° bæNÁH.

kmpstíflí RTBüsm, tþpSgeTotKWmankMíTabblútsMabGikpfl bTsmösnTabBrePT. Kpn
Gikpfl bTsmösn_nig1/4= bþRbBnšbsBKKat; Namák; manKNnlsnSM)akenAkjFnaKareLly. manEt
Gikpfl bTsmösn_nig1/4= bþRbBnšbsBKKat; 18° Edl manerKogGí gár ehlynig 17° Edl
ekaRbl Cakmpstíflí. RsedogKæenHedr I TþPaTTV)ancINU CasacR)akeRkABkareFkargar KWm
manNasenAkjgcNnamGikpfl bTsmösnTabjenah. CakEspj Gikpfl bTsmösn_nig1/4= bþRbBnš
rbsBKKat; 16° TTV)ancINU CasacR)akBR)akesaFnnvitþ_ 3° TTV)ancINU BkarCV RTBü
sm, tþGayek nig 3° eTot TTV)ancINUBGgkarxagkicRarsgñ nigsxmal PaB.

RbPBénkarCYrkclINU sMabRKsar

eday sarminnsSvlycNnas; Edl kþgSft kjgsánPaBmankMí adjkayGacbbBj kargar)anenA
eLyeTbeKeXlj fa BKKatPaKeCh)anrhcMnk kjkarCY] bthúI RKsarrbsxú. el lSBenHeTA
eTot edaybusEdl)aneFkarkjry³kal mlyqalmngeTAenH manPaKryxsCagRsp nigbusTabj
enaH PaKeChmanRbBnšCaGik)anCYeFkarpj dbeHvaCaerOgFmptaEdl BKKatPaKeCh)anrhcMnk
kjkarCYKaMí dI RKsar. eKemil eXlj c,asEdrenahKWnnsScas;Tabbus nig RspEdl)anrhcMnk
kjkarKaMíRKsarrbsxú mankMíFokchKyktsMal; kjgxN³eBl Edl BKKatKþgEtmavlykanEt
casCraeTA²-sthemll taragTl6|.

taragTI6 ³ Gkrpl bTsmāsn_nig/b=brBnšbtsenACamYKānāBI bcē,nā rihcMnkkgkaCYRKYsar mns.ScasGaycabBI55 qāMLg enAsgātTV I ā nig bryaxaRkgeb: I h Ex]sPa qāM2006						
	Būs		Rsp		srō	
	chlh	PaKry*	chlh	PaKry*	chlh	PaKry*
55 qāMLg**	76	88°	33	49°	109	71°
60 qāMLg***	33	77°	18	36°	51	55°
70 qāMLg****	8	50°	4	16°	12	29°
*PaKryénGkrpl bTsmāsn_tamRkmGayumly ² **n= 86 nak; Cabūs 67 nak; CaRspnigsrō 153 nak; ***n=43 nak;Cabūs 50nak; CaRspnigsrō 93 nak; ****n=16 nak;Cabūs 25 nak; CaRspnig srō 41 nak;						

cāBālmnsScasEdl RtU)aneFEGēgētenH eKeeXlj fa karBijEpKel kargarrbsxhĒgbkargar
rbsbbrBnš CaRbPbcMNU dām,genaH KāasBāmybgāj fa BKKatmanl TPaBrsenARKbRKan;
edayxhĒg. teTAenHKWaninakarbgāj eGayeXlj c,as; nigGac)an. enARKbRkmGayTāG;
Gkrpl bTsmāsnCabūs)anBijEpkyagercheTael kargarrbsxhKatpāl; nig kargarrbsRbBnš
CagRsfdl (U)ansMasn. pbyeTAvij enARKbRkmGayTāG; RspnankarBijEpkel kbi nig
bbrBnšbskt²xhCagCabūs. cāBālbūsPaKēchEdl manBnšēKeXlj fa TTV pl¹beyaCn_
eēhBkargarRbBnšrE¹spij KIPaKēchCa¹spmmayEdl Bmanbōdm,)anCabEgKenāHeT dēchīnākar
EbxBKāenH eFEGayeylgGacgayyl)an -sthemll taragTI7;¹⁸.

¹⁸ enAkijGēgētmnsScasqāM2004)aneFkarRsavRcav CamymnsScasGayu 60qāMLgeTAKManbūsmanEt 42PaKry
ehlyRšman Et 19PaKrybāNĒEdl BijEpkel kargarpāl xh nig/bkargarrbsbbrBnš CaRbPbcMNU sMan;
kūēBI CamYKāenH Edr būsman 53 PaKry nigRšman 71PaKry BijEpkel kbrbsxh nig/b= bbrBnšbskt²
CaRbPbcMny]btmšMan;

taragT17 ³ RbPBChlgénkarCY]btñmGkpl bTsmösn_nig bpbRbNšebman; mnisScasGayu55qámlg enAsgát;TV I Vnig bryaxaRkgeb: l n Ex]sPaqáml2006								
	kargar -pál xñ nig/ob-pRbNš				kñ nig/ob-kñRbsarRbs b-kñRbsarRsl			
	bus		Rsp		Bus		Rsp	
	#	%*	#	%*	#	%*	#	%*
55 qámlg**	64	74°	28	42°	19	22°	35	52°
60 qámlg***	23	53°	14	28°	17	39°	32	64°
70 qámlg****	5	31°	3	12°	9	56°	20	80°

*PaKryénGkpl bTsmösn_tamRkmGayumly²
 **N= 86 nak; Cabus nig 67nakCaRsp
 ***N=43 nak; Cabus nig 50 nak; CaRsp
 ****N= 16 nak; Cabus nig 25nak; CaRsp

sMal³ eTalbCaminsUmankarel keT,lgBslNakGkpl bTsmösn_chnakkóday kRbPBChlgépsgeTotén karCY]btñm I BKKatman R)akesaFnivtp_ -smöxñÉg nig/ob-pRbNš nig sacj atÉeTot.

tamkarBhitüyagykcitfkdakel ITñmly ek)aneXlj fa Talbus nig RspenAkçRkmGayu Edl kanEtmanvycasCraKwanEtminsUBgEpkel kargarrbsxñ nig kargarrbsbpbRbNšbsxñ EtplýeTAvij BKKat;TalbusnigRsbmankarBgEpkel kñ nig/ob-pRbNšbskñ²yage^{ch} -sthemil taragT17¹; ¹⁹. eTalbbusman I TPaBCYxñÉgRkBRkan)anytCagRspkñRbsnigmanPaBRTDeRTam Edr enAeBl Edl vlykanEtcaseTA²enah.

karCBakbñNl

sroETA bcbñññHkpl bTsmösnCabrisman 58° CBakbñNl ek cñnkÉGkpl ; bTsmösnCaRspij manEt 24° baNñH. kçxN³Edl mnisScasCabusxlpvBpPBsMandtCa

¹⁹ nñakarCarñTajññ kñanCakEsjgdtkæTAnçkarGegámnisScasqáml 2004 Edl raykarNeGaydufa 12PaKry émnisScasGayu70qámlg BgEpkel kargarpál xñ nig/ob-kargarrbsbpbRbNšbsxñ CaRbPBChly]btñm,gstñb; xñ eberBobefobCamlyngmnisScasEdl manGayBl 60-69qámlmandl eTA 39PaKryÉeNah. plýeTAvij man 80PaKry émnisScasGayuBl 70qámlgeTA)anBgEpkel kñrbsxñ nig/ob-pRbNšbskñ² CaRbPBChly]btñm,g rÉmnisScasEdl manGayBl 60 d l ; 69qámlBgEpK^çmet 53PaKry baNñH.

enAkjgqam1997 CaqamabExpRKhmenAkjgtWneb:In)ancrcarrkdMNaHRsay snPaBmYrdæ-
 P)al enah vNfTšaneqót»kasmksYsXtkBkYsarrbsKat; enAextkBgcam . «Bk nigbgbAbegtrbsKat;
 KWBareBj eTedayPaBPakepI nigRseNaHRseNakCaxadjenA eBl Bkek)aneXlj rBKatmansPaBetakyak
 nigBkarpgenah . Bkekminniksnpfa rBkatenArsenahE tbnabBkarEbk)akKakCMI ahdYtEGEgjenhmk .
 vNfTšandofa bHRsrbbsKatmak;)ansobenAkjgeBl eFkarRbmU pI RsUkjshkrnarqam1977 bNpI mk
 BbFkarh'skM atj EdI bgáLgedaycl nabdivtprbsExpRKhm ehlyEdI vadtkängClitI MakEdI Kat;
 -vNfTš; EhI qqkatesPet sabkjnamCaGikbMttbbExpRKhm sgeBj mlyClitrbbsKat; . mpyrbs;vNfTš
)anqoptsmlybil BtEt)ansabkjgqam1989.

kjgqam2003 vNfTš(tU)andakeCgSb,nimiteFBI bu lydfan (Polyurethane) edaykak)aTRKhm
 Gnpatimly enAkjext)atdkg. kal Bhm Kat;)aneKR)asekHRKakabPlyFMFCaGvyvsb,nimite rbsKat; .
 cabtatjBqam2000 mk vNfTšanrandkMar)an 5 hkta cmlyRbEhI 10 Km BPthblyaxa . eCg
 sb,nimiteEdI manTjRsal CageFV KatgayRsv eFMMNrtamitBPtheTAcMarrbsKat; . kbRbsbgTajBr
 rbsvNfTšnigvar)anrsenA nigeFikarenAkjgMar . kbRsbM²TajbenApH nigCU eronenAsal aeron enAkjPthi.
 eKABbMNaMpsarEdI)anmkBcMar vNfTš)anTTV R)akRbEhI 60000 erol -15 du arGaemrk; kjgmlyEx
 kjg fan³CayUšnBkarrbskgkma)raCrdaP)al kmCaEdI ek)anpI ; [KatbnabBismahrNkmp.

bcb,nenAkjgqam2006 vNfTšnigvar)anerobcMPPBPsPasMbkarsenAedayxhEg ehly)anrkay
 CamlyngsnPaB nigsntšxenAkjgsmlykal rkcbthenH. Bkek)ansegeXlj fa ftoBkekRk nigeBl xhman
 Gahartictšsmobrepakkeeday BkekkenAetGacsenACbCMK'sarmly. kjgMLgeBl enkarsenAkjgeRB
 BkekmankarPlyxac ehly)anpasb)TKEngCabrht. Bkek)anPkrsCatClitkjgsgám nigEqitq)ng
 sRgámetotpg . kjgsmlyrkcbthenH BkKatcgeGaymanGPecheTot dtCakarGbrMsbkM²rbsBkek.

karerobcMTeI karsenA

kb²EdI enAmanClitrs;

dtEdI)aneFikarktsMal enAxagedmrcmkehly kjgcbNammnsScasEdI)aneFEGeátTaj
 Gsman 12° -18nak; kjgcbNam 153nak; EdI mankbšobenAkjgCMan; bil Bt. Carh GikpI ;
 bTsmšsnclh 40° yagehacNas; mankbmakšob; kjgmlyqakClitrbbsBKKat²⁰. esPetBak;
 kNpI kjgcbNamGkEdI mankbšob;TajjenH mankbšob;šobcabBBfnakeT,geTA . kbPaKeRch
 šobeday sarCljWEBKKatCaerchnakeTot mankbšobeday sars²⁰ám nigRKabmh.

²⁰ tE l xTajjenHtcCagqly NasebRboobeFobCamlytE l xénGegámnsScasqam 2004 EdI ktrtafa 75% énGik
 pI bTsmšsnTajGs; yagehacNas; mankbmakšob; ehly 43%)anCbRoTHkarsob;kbkjgmakkjgsmlybil Bt.

f1bkbEdl sabmanctheRch^{3/4}
 eday Gikpł bTsmāsnenAeT)anpł ;
 kbNltekłbEnheTot kōgclmYkYkt;
 sMal ; ebrab;Tajktrbsxłpł ;
 kbicg nigkłcBañ mnsScasEdl)an
 eFlegat mankbEdl enArsdl sBēfñ
 CamFümKW4nak; Edl KitCamFümman
 Rbs2nak; nigRs2nak; edaysar
 EtRsCaēchnakEdl)anpł bTsmās
 nmanbbsxł)ansabecal rÉbusEdl)ansMasnCaēchnak; kñan»kaserobkarCaflj eChCag
 Spogenat eTbekemil eXlj fa CamFümbrsmankbEdl enArsērChCagRsp CakEsñmnsScasCa
 busEdl)aneFIsmāsnmankbEnArsCamFümKW45nak; enat rÉ mnsScasCaRsEdl)aneFIsmāsñ
 vij mankbEnArsCamFümEt 35nak; KYktcNalffa kōgclNam RspTajGsEdl)anpł bTsmāsñ
 man 13° minmankbEnArs;rÉbusvij manEt 3° bañ²¹ .



smasPaBRKYSar

enAeBl Edl eK^QeT,kemil eTael smasPaBRKYSar eFñGayekyl c,ascñBañkarerobcMkar
 rsenArbsmnsScas;²² . enAkōgtłnēb:ln eKgacyl eTael hinakarEbk²BKā rvagGikpł bT
 smāsñCabus nigGikpł bTsmāsñCaRsp-sthemil taragTl 8, . manbusCag 2/5)anrsenACa
 mlyRbBñsigktrbsxł ehlyesEt 1/3)anrsenACamlyRbBñskł² nigGikepSgeTot . pñyeTA
 vij Gikpł smāsñCaRspEdl ticCagBakkNpł bnñp KnrsenACamlykñ nigGikepSgeTot . RspEdl
 rsenAmākÉg bēamlyktrbsxł bēamlyGikÉeTot manctheRchCagbus . ebbFkareRbobeFobbnñ
 eTot ekeXlj famanbusEdl rsenAeT CamlyRbBñskōgclmheRchCagRsp senACamlybñ

²¹ tamkareRbobeFob Gegat mnsScasgñ²⁰⁰⁴)aneGaydujfa Gikpł bTsmāsnmankbEnArsCamFümclm^{4,7}nak; eday
 mankbRbsCamFüm^{2,2}nak; ehlyktrbsclm^{2,5}nak; el sBehheTot Gikpł bTsmāsñbrsmankbEnArsCamFüm
^{5,6}nak; rÉGikpł bTsmāsñCaRsmankbEnArsCamFüm^{4,2}nak; . 5.3PaKryñGikpł bTsmāsñCaRsp bccñnññ
 KñinmankbEt rÉbusvij manEt ,PaKrybañNñEdl minmankb.
²² sthemil KnoldeI et al. karGegatGMmnsScasenAkōjkmēa sñobkarBPakSaGñl kar^QbyñkaTael kareRb^Qas;
 smasPaBRKYSar CaGajDkaTñsñobgōj BkarerobcMkarē^QIsersTitajšñborsenA.

taragT18³ smasPaBRKVarbsGikpI bTsmāsn_
mnisScasGayib5qāLlg enAsgāt;TV I UnigbryaxaRkgēbl: n
Ex]sPaqā12006

	Brs		Rsp		srto	
	cmh	PaKry	cmh	PaKry	cmh	PaKry
rsenAmākÉg	2	2°	8	12°	10	6°
rsenAÉtCamYbtpRbBnš	11	13°	2	3°	13	8°
rsenAÉtCamYkbt	1	1°	9	13°	10	6°
esenACamYGikepSg	---	---	7	10°	7	5°
rsenACamYbtpRbBnšnigkbt	36	42°	6	9°	42	27°
rsenACamYbtpRbBnšnig GikepSg	1	1°	---	---	1	1°
rsenACamYkbt nig GikepSg	10	12°	32	48°	42	27°
rsenACamYbtpRbBnškbt nigGikepSg	25	29°	3	4°	42	27°
	N=86		N=67		N=153	

enAkūgtānébl: n PaBcRmĕn I kN³RKVarEdI)anbgāj eGayeXlI rvagGikpI bTsmāsn_ bus nigRspedaysarÉtmanPaBxšKāeTael I sĕnPaBRKVar cmhktEd I enArs; nigGayibsmnisScas; tamBit edaysarbusmancmhērchCagRspānerobkareLgvij dēchBKKatman»kasrsenACamYKā . RsedogKāenĒdr edaysarÉtbuskūcmhctictēbaNĒEd I minmankbt eBal Kbus man kĕnArskūcmhērchCagRspānĒ BKKateēhÉtēTArSenACamYkbt² . rÉšpīj CamFūmanvYcasCagbus dēchBKKateēhÉtērsenACamYecA² . kūI kN³sedogKāenĒdr edaysarRsp; enAkūPaBemmay ehlymankbticCagbusenĒ BKKateēhÉtērsenAmākÉg.

fĕbman I kN³xšKādt)anel keT,lgmkenhkēday kēnAÉtmanninākarĕmYEdr. TĕnY)anbgāj fa manmnisScasEdI)aneFĒgēgā 4/5 kĕrsenA yagehacNas; CamYkbtmāk; -sth emll taragTl 9! . tēl xenHKWdēKāyagCakEsĒpēTAngtēl xEd I rkeXlI enAkūkarskSaRsavRCav epSgeTotEd I niyayGĕmnisScasenAkmeēa ehlykZargĕsmYbgāj Bšxmal PaBēdr²³ . enAkū tānébl: n vaCaeRogCakEsĒĒsĕbGikpI bTsmāsn_Cabus rsenACamYkbtEd I enAl v ehlyGik

²³ Sthēnll Knoldel et al, *mnisScasenAkmeēa nig Zachary Zimmer nig Sovan Kiry Kim, karerobcMarsenA nig I kxšBšgĕhRbCasaršbšsmnisScasenAkmeēa* Policy Research Division Working Paper No. 157 (New York: Population Council, 2002).

kar]btmEdI TTV)anBkH²

enAkütblnébl n kb²KWArbPBsManmlyénkar]btmSmbmnsScasPaKerch. CaTtTA mnsScasEdI)aneFEGgäcmlh 89° yagehacNas; mankbGayu16qälLgeTA. el sBbnHeTot 72° mankbmlynakrsenAküppHCamly nig 73° yagehacNas; mankbmäkEdI manGayu 16qälLg min)anrsenAküppHCamly.

CaTtTA karCY]btmBkbKMankmtxs;Nas;. küjcbNam«BkmpyEdI mankbGayu16qälLgeTA manCag 4/5 EdI mankbmäk)anrhctNkkükarCY]btmBkYsar -sthemll taragTI 10¹; tamBit kar]btmBkVnanmkBkbEdI rsenApHCamly e^{ch}CagkbEdI EbkBpH. RsedogKäenHedr esP^{Et} 4/5 én«BkmpyTaljenH)anTTV karCY]btmBkbCasac;^{ak}sitšehlykarCYCasac;^{ak};)anmkBkb²EdI rsenApHCamlye^{ch}Cag . edayET,k küjcbNam«BkmpyTaljenH manerchCag BakkNpl EdI)anCYpHpaCasml okbBak;nigsmär³epSgeTot yagehacNasBktrbsKatmäk; Edr. karpHpaCasml okbBaknigsmär³TaljenH CaFmpta k³anmkBkbEdI rsenAküppHCamlyCaCag kbEdI rsenAEbkpH.

taragTI10 ³ Gkpl bTsmäsEdI)anTTV karCY]btmBkry ³ kal mlyqälLgeTAenH BktrsenAküppHCamly kbEdI Ebkph nigkbTtTAEdI manGayu16qälLgeTA mnsScasenAsgät;TV I nigbryaxaRkgeb:ln Ex]sPaqäl2006						
	ktrsenAküppHCamly		kbEbkpH		kbTtTA	
	cmh	PaKry	cmh	PaKry	cmh	PaKry
kar]btmBkYsar	96	86°	66	59°	113	82°
I yk;kak;	83	75°	75	67°	107	78°
sml okbBaknigsmär ³ epSgeTot	55	49°	41	37°	73	53°
I yk;kaknig1/4=sml okbBak;EdI mantéma25 dl areLg	25	22°	26	23°	39	28°
	N=111		N=112		N=137	

eTahbifa CamnsScasmankarCYBkb²Ca^echnakkeday kArmaNénCMly]btmEdI)an TTV CaFmptaKwicttNas;. «Bkmpycas;²cmherchCag 1/4)anTTV karCYCal yk;kak; nig1/4=

sml okbBakkögry³eBl mlyqalmngmkenH KitCaTikR)ak; 25dul ar be^hCagenHbnp²⁶. ebeRbob eFobkbrsenA nigmnrsenACamly«Bkmpy brimaNénCMly]btññHKWesPÉtdtKä . EtGEdI KY ktsMal enaHKW köxN³EdI mnrsScasCa^spe^hCag mnrsScasCabus)anTTV karCY]btññ Bk² EtCMly]btññEdI TTV)anmantémø 25dul areT,geTAenaHKWRSp)anTTV kökMtTik⁹ak;tic Cagbus. eTahCayagNakøday manRspRchCagbusEdI)anTTV CMlyBlismaCkRKYsarÉeTot edlm,]btññRKYsar eRkABbbpRbBnšngkñ.

CMlyEdI pñ eTAeGaykñ

enAkögñnéb:ln mnrsScask)anpñ kar]btññCasmø³eTAeGaykñ²rbsBKKatmgnmal Edr. CaTøTA esPÉtBakkNpñ én«Bkmpycas²EdI mankñenArs; yagehacNas;)anpñ ;l yk;k; eTAeGaykñmäkkögry³eBl mlyqalmngmkenH nig manmnrsScasel s 1¼3)anpñ sml okbBak; nigsmø³epSgeToteTAeGaykñ²Edr -sthemll taragTI 11! . eTahCayagNakøday ticCag1¼4 én«BkmpyTajñenH)aneGaydñgfa)anpñ brimaNéCMly]btññEdI kñ mantémø 25dul areLg²⁷. CMly]btññRkRbePTTajGsaFmñta KñGayeTAKñEdI rsenAkögññCamlyCaCag kñEdI rsenA Ebkpnñ. kögeBl EtmlyCamlyKäenH manbuseRchCagRsp)anpñ CMly]btññEdI kñ edayminKitfa CakñrsenAkögññCamlybebknñenaeT KñGayCal yk;k; nigCasml okbBakEdI mantémBl 25 dul areLg.



²⁶ nñakarenHKWbKänñGegñmnrsScasqñ2004 EdI)aneGaydñgfa kögeBl EdI 90PaKry énGikpnñ bTsmñsn)an TTV CMly]btññsmRKYsar ekeXlj man 94PaKry)anTTV Cal yk;k; nig 85PaKry)anTTV sml okbBak; nigmanÉt 26PaKrybeNñEdI)anTTV l yk;k;nig¼bsml okbBaktémøUS\$ 25 eLg.
²⁷ GegñmnrsScasqñ2004 rkeXlj fa kögeBl EdI 31PaKry énGikpnñ bTsmñsn)anpñ ;l yk;akeGayeTAKñ man24 PaKry)anpñ sml okbBakenañ nigmanÉt 5.3PaKrybeNñEdI)anl yk;k;nig¼bsml okbBaktémøUS\$ 25 eLg.

taragT11 ³ Gkpl bTsmāsnEdl)anpl CMY]btbndI kūrseñAkūpHCamY kūrseñAEbkpH kbtTtAkūry ³ eBl mYqālmngmkenH mnsScasEdl manGayū5qāmlg enAsgāt;TV I ũngbryaxaRkgebl ñ Ex]sPaqāml2006						
	kūrseñACamY		kbtEbkpH		kbtTtA	
	cMh	PaKry	cMh	PaKry	cMh	PaKry
Lūy/kak:	60	49°	25	22°	68	48°
sMl okbBak; nigsma ³ epSgeTot	48	39°	9	8°	50	35°
I ũy/kaknig/bsMl okbBak;tēmāab; Bl25dl areLg	25	20°	10	9°	31	22°
	N=122		N=113		N=141	

er0grbs; pm kBañ

pm kBañ ekktenAkūqāml933 nig)anerobkarenAcqāml1953 . kBañ nigbpbSkatKltūst mkBextp
)atdlbgTajBfnak; . kūr³eBl 8qāmlg énCliterobkarrbsKat; kBañKñmankbeT . bñabmkenAkū
qāml961 Kat)an [kñNlt dI kūrbsmākeQpH bñ Edl CakbeTal rbsnag.

kūrbbbl Bt bñ RtU)aneRCseriseGaycū rñCaEpkmYrbskgQbExpRkñm . enAEBl kgTb
evotNamrū cū mkextp)atdlgenAkūqāml1979 bñ)andkfyCamY/kgkmañ ExpRkñmCaerchnak; mkkān;
ēRbtñné:lnēñ . kBañ nkkbRbsrbsKatCaxat. erChqāmlankngpētēTedaymñGacRTalmEbkqāly
BkūRbsrbsKat)anteTaeTotenañ kBañ nigbpbSkat; enqāml1983)ane)ahogecal pñ nigClitrbsxñenA
extp)atdlg rñeFñmñmkkānCMxpRkñm enAkūqāmlné:lnēñ . eneBl Edl bpbSkBañ mansPaBcasCra
xatNaseTaeñlykp kKatRtU)aneKcateGayefkarrñcMñk enAkūqāmlñeRbgrbsbdvñtñdr .

erChqāmlmñeBl «BkmpyrbsxñmkdI ; bñ)anerobkarCamYsmmitExpRkñmmāk; ehlyBKEkman
kñR)añak; Rsbñnak; nigRbsmāk; . kBañ nigbpbSkat)anCyemñl EfTañCA nigRbñERbgEfrkSaClitrñept
BkarvayRbñarnūrdU)atdñrbsrdap)al . BitCaGPñ bñRtU)ñkEPkmg edaysarGñbgrKakñjeBl kñg
RbyññādekñkñkñmY . KatkñTVI rgrbñeCgCaerChkEngpñg EdrenAkūqāmlkarRbyññāenāñ.

küjry³eBl énkärQb)aj Kä rhttdl kare)ahcätqälM1993 kBað nigbþbsKat; RBmTaldþh nig RbBnš)anksagpþenAdacELkBKä enAküjPthival TthabmYkügXIV I ð. bnbðBl smahrNkmenAküjqäl 1996 RKYsarTaldþFgacman I TþaBtaldTII thAGcäRnyenAküjPthi . GseBl CaerchqälVbth nigRbBnšbs; KatcBamCvitRKYSarrbsBkeKedayeFkärCakmkrçMar . eBl enahmkeK)anrandcMarEdl enAcqlyBPthieday enACittdneRB Edl sm,ðNeTAedayRKabmhmykEng . enAküjqälM2003 eRkayBþþbskBað)ansabeday sarClyWKatk)anmkrs; enACamlyRKYSarénkðRbsrbsKat; -bth; . küjqälM2004 RbBnšbsbrin)ansab; edaynkspmindl küçMar kügeBl kþgeFkäreGayeKenah . RKYSarrbsekmanCvPaBRkEmneTnrhttdl ; Bkek minGacerobcMNU sBeGay)ansmrmüeGayRbBnšbsxð)an.

enAcqälM2006 bth)anerobkarCaftþgeTotenAeBl enH Kat;)anerobkarCamlyRspmmaymäk; Edl bþan sabecal enAküjkarRbyutkä kügeBl bþj thätCaTahanExpRkchmenAküjqälM1993. RbBnšRkayrbsbth mankðbhakCamlybþnrbsnag. Caftþabth nigRbBnšbsKat;)anssenAküçMarCamlykðRst; grbsKat; Bþnak; -mäk;)anerobkarehly nigmankðBþnak; nigkðRbsBþnakrbsRbBnš,atEdl enAekþgenAeLly . kBað)anssenAküçdðU pþEtmy CamlykðRstCMwgBþnak; kðRbsesþCMwgmäkrbsbth nigkðRscamlybþnrbs; nag -RbBnšRkayrbs; bth; mäk; RBmTaldkðrbsKatCamlybthmäkeTot . karerobcMkarsenAEdl man I kN³dšksþj enH)anbgäj [eXlj GðfbebðEdl mnšSemmay eBalmay nigkðkRBA/ cas; nigeþg GikEdl manragkarGnfy nigGikEdl manragkarmahh nigsac; j atçg nigkðbedmrbsRKYSar kBað)anmkCþCMä EfTald nigKaNT KäeTAvij eTAmk.

karsenAküjPthCamlyecArbsKat; kBaðBþEpkeTaeI BkekKügkarcðhGahar nigsBatrðKat; rÉBK ekvij BþEpkel KatCaemRKYSar . kBaðmankarQðabenAküjqälxüg nigtam snök; ehlymankarB)akküjkarKan; vtðAküjed RBmTaldþB)akeFkäl naeCþ . CþWaldjenH Ca]bsKÄFV[KatminGaceFkargarCaerch)anenACMij pþ nigminGaccU rnkügBFepSgeTotCaerchenAtamvtGaram enAküjPthCitmy . kBað)anTTV I yBbthEdl Kat;)anmkBkarl k; l þpsKatedm,Itij Ggá nigGaharepSgeTot . EtKatenAetsikügPaBÉekaCaj k; j abðEdl . bþbsKat;)ansab;)ateTAehly ehlybthncMAYeBl evl aPaKeRchbþtenAÉcMar.

stnPaBsPaB nig karEFTAsPaB

kar)anRbmaNsaPaB

kar)anRbmaNeTAEI IsPaBragkayedayxhEgrbsmnsScas; RtU)anbgaj [eXlj fa Ca
 GalDkaTznAnRbeyaCnmlyEdI bBaakBIsxmal PaBrbsBKkat,²⁸. enAkjBalsINyenkarGegatE
)ansMl GikpI bTsmasneFkar)anRbmaNsaPaBragkayedaykMntfa I Nas; I mFum exSay
 nigexSayNas;. CakEshj mnsScasbus nigRspkPaKryerch)anbBaakfa sPaBragkayrbs;
 KatKkSay bexSayNas;-sthemll taragTI8;²⁹. muagvij eTot PaKry enGikEdI GHGagfa man
 sPaBexSay bexSayNas; KksEtdeKavagePTTajBEdI)anpI bTsmasn_enAkjRkmGayu
 TadjGs;. CamlyKaenHedr TadjmnsScasCabus nigRspkPaKryesKakW57°)ancatTksPaB
 rbsxhfa exSaybnpbnt bexSayxadjCagmnsScasdeT EdI manePT nigGayuhak,DEH I Ka .

taragTI12 ³ GikpI bTsmasn)anRbmaNsaPaBragkayenAEI bcb,nifa exSay bexSayNas; mnsScasEdI manGayu55 qadLg enAsgat,TI I nig bryaxaRkgeb:l n Ex]sPa qad2006						
	bus		Rsp		srb	
	cmh	PaKry*	cmh	PaKry*	cmh	PaKry*
55 qadLg**	53	62°	44	66°	97	63°
60 qadLg***	30	70°	35	70°	65	70°
70 qadLg****	13	81°	20	80°	33	80°
*PaKryenGikpI bTsmasn_tamRkmGayumly ² **n=86 nakCabus 67nakCaRspnigsrb 153 nak; ***n=43 nakCabus 50nakCaRspnigsrb 93 nak; ****n=16 nakCabus 25 nakCaRspnigsrb 41 nak;						

²⁸ Ellen L. Idler nig Yael Benyami, "sPaBEdI)anRbmaNedayxhEg nigmrNPAB: kareFkshgBEksarSavCavcmh
 27 EdI CakarSavCavkmtshKmn." *Tranb,vtGbl sPaB nigRiyabTsgn qad* 1997, 36: 21-37 eyagtam Knodel
 et al. *mnsScasenAkma*.
²⁹ CaTETA tel xenHRsedogKaCamlynigtel xenAkjGegatmnsScasqad2004 EdI)anFCamlymnsScasGayu60qadLg
 EdI)anbgaj fa 70PaKry enGikpI bTsmasnTadjGs; (bus 64PaKry nig Rsp74PaKry))an)anRbmaNsaPaB
 rbsxhfa exSay bexSayNas;.

el l sBenHeTaeTot kōry³⁰eBl mlyExknōgeTAKWnkareFEGeāt kartū EtysManCageKrbS;
 mnsScas;Tad 153nakEdl (U)ansmōsnKWkarexSayTōTA -79°; QWsnakēdeCg -73°;
 QWg -67°; QW,al -67°; nig vil mx -60°;³⁰ . kōcW NamGkptl bTsmōsnTadGs;man
 65° Edl minGacemll eXlj c,asenAeBl Edl min)anBakEvnta . RsedogKāenHedr 24°énGkptl ;
 bTsmōsnTadGs;Edl minGacsbbBe,as;l kōm)anFaberbl bkrNcMlyRtecokEdr.

rEēpkkmadkayvij kōcW NamGkptl bTsmōsnTad 152nak; KWan 51° Edl man
 karBi)akkōkar»ncl bGgēyecagehag 48°mankarBi)akedrkōcmly 200-300EmRt 41°
 mankarBi)akel kbkanytū; 5KkēLg 36°mankarBi)akeLg beHceNp nig 32° Bi)akerbl
 Rmamedcab; bkanytūpSg³¹ . tamRkmGaymly² kareFkicRanmly²kōcW NamkicRarTadjenH
 KWspmankar l MakeRchCagbus .

Tak;TgeTAngkargarRbcabf kōcW NamGkptl bTsmōsnTad 153nak; KWan 31° Edl
 yagehacNasmankarBi)akxkōkareRkakeLgBdWnk 29°mankarBi)akkōkarbrēPaK Gahar
 16° Bi)akesōk BaknigedaHsM okbBak; nig 16° Bi)akgt TikedayxūEg³² . tamRkmGaymly²
 kareFkicRanmly² kōcW NamkicRarTadjenH KWspmankar l MakeRchCagbus . tamkarktsMal ;
 kōcW Nam Gkptl bTsmōsnTadGs; GkEdl mankar l Mak yagehacNas; kōkarbBj kicRar
 mlyénkicRarRbcabf TadjenHKW manEt 43° bōNāHedl)anTTM CMlyemll EfTam ehlyGkEdl Cy
 erChEtCakūRslkūRbS nigbbRbBnjsBkKat;

³⁰ karGegāt mnsScas; 2004)anbōāj fa bBaōsxPaBkōry³⁰eBl mlyExknōgmkenH mandlCa QWsnak; -88PaKry;
 exSaykmad -86PaKry; QWg -79PaKry; vil mx -74PaKry; nig QW,al -72PaKry; .
³¹ karGegāt mnsScas; 2004)anel keT bfa Gkptl bTsmōsn 66PaKrymankarBi)akel kvtpSg² 62PaKry
 Bi)akedr 60° mankarBi)akeT, bCeNp 58PaKry mankarBi)ak»ncl nig 39PaKry Bi)akcabkanytū.
³² karGegāt mnsScas; 2004)anrkeXlj fa 19PaKrymankarBi)akerkakeLgBdWnk 9PaKryBi)akkōkarbrēPaK
 Gahar 8° Bi)akgt TikedayxūEg nig 6° Bi)akesōk BaknigedaHsM okbBak; . sMabkarBPakSaeGay)anl GtGB
 PaBexSayēn kmadkaykōcW Nam mnsScas; eyagtamarGegāt 2004 sthemll Zachary Zimmer, GB Gaykal
 nigPaBexSayēn kmadkaykōcW Nam mnsScas; l Tōl ēnkarGegāt 2004 . New York: Population Council, 2005.

CiW nig karBüa)al

Carhman 57° énmnisScasEdI (U)ansmäsniyayfa BKKatFobQWb=rgrb'skög
ry³eBl mYqäMngeTAenH. köjcbNamGikTajenH man 28° el keT,bfa BKKat,minGaceFKargar
FmptarbsKat; GseBl CagmYEx. cINcKVeGayktsMal KW köjcbNamGikEdI)anraykarNfa
manCijW köry³eBl mYqäMngeTAenH KMan 93°)anTTM karBüa)al nigel bfa)anRtmRtU EtBW
mankarkarkINtKINPaBkMt Nac,as;l asenaeT³³.

CaTöTA eBl Gikpñ bTsmäsni)anTTM karBüa)al Cmñb'ys BKKateRcheTeTAKñkÉkCñ
nigmnbeBTürdärÉ»sfsön nigRKExp KñinsUmane@heT. esPteRbGikpñ cM lyTajGs; BK
KatRtUbgéfkarefTasxPaB nigfäbTüEdI Bkek)anTTM . ÖkarsManKWarcñNayTajenH KWTU
bgedayGikpñ bTsmäsniüÉg bñkñanmnisScase@hnaKedr EdI RtUbg;l ykakedaykñRsl
kñRbs nig bpb=RbBñsbsBKKat; minmanGikpñ bTsmäsniNamäknayyfa BKKatmankarFana
rabrgsPaBeLy . köjklügeBl manCijWnigrb'ssäm Gikpñ bTsmäsniñus BigEpKCaclüg
el RbBñsnig kñRsbñabkarCy]btñöpSg² rEGikpñ bTsmäsniRspij BigEpKPaKerchel kñRsl
nigkñRbs sbñabkarCy]btñö

karcl rñkögshKmn_

köjklügeBl mYqäMngeTAenH köjcbNammnisScasEdI pñ bTsmäsniTaj 153nak;man
92°)ancU rñkögBFbñNüsasnaepSg² dtCaPññND 88°)ancU rñBFepSg²rbssshKmn_
dtCaGaBah_BBah_ nigbñNüsBCaedm nig 69°)ancU rñkarRbCñMargarshKmnñdtCa karRbCñM
EdI erobcñlgedayRkmRbñSaXWsgát; RbFanPñi bÉgkarmñEmnrdaPñ)al . pñyeTAvij köjklü
eBl mYqäMngeTAenH köjcbNamGikpñ bTsmäsniKManEt 28° baññH EdI)ancU rñenAkögkar
RbCññkneya)ay . el keI gEt BFbñNüsasnaecj karcl rñrbsbusenAkögkargarshKmn_
mankñtxsCagkarcl rñrbsRsp cñBaññU eh tññgEdI GHGagedayGikpñ bTsmäsni_TajGs;
sbñabkarxkxanmn)ancU rñkögBFbñNüsasna BFbñNüenAkögshKmn_nigkarRbCñMargarshKmn_
enakññedaysarBKKat,minmankmññmññRKbRKanedm,clU rñenaeT.

³³ karGegñmnisScas; 2004)anbgäj fa 50PaKryénGikpñ bTsmäsni)anQWmanrb'ssäm köry³kal mYqäM
knögmkenH nig 95PaKryénGikEdI manCijWan@abfa)anTTM karBüa)al .

escksnidan

Carin mnisScasEdl RtU)ansPasnenAkjsgatcmh2 enATrkgeb:lnKWTV I v nigbryaxa
sUtCaCncINakRsk. manEtmnisScas; 2° baNHEdl)anekitenAkjTRkgeb:ln nig man12°
Edl)anmktatjTll hAkjttlnenHmqam1979. edaysarRovtlnRbeTskmEaeBareBj eTAdayePbj
sRgAmenAkjGMLg35qamAenH dbeheKRtUetyl eTael sAnkarNcINakRskEdl ektmanenAkj
brbTRovtlnsarspnH. enAkjExmkra qam1979 kgTBtotNam)ancU mkkjRbeTskmEa Edl)an
eFVGayTahanExpRkhmeKcxhjecj BITRkgPbj nig tambNpextEeTot2 eqaleTakan;lnRBtdn
enAPaKBayBuenRbeTs. enAeBl enah kgTBExpRkhmmYcMhFM)ane)HTItaldenATenah kjenah
kAnrabbBaP Taj mnisScasEdl RtU)ansPasnenAkjkarGegatenHedr Edl BKKat)ancU mk
rsenAkjttlnenHtajBedmqam1979mk. tajBeBl enahmk TRkgeb:ln)ankayeTACamU dan
dijmalyrbsExpRkhmrhtdl ExkBaP qam1996 ehtanHenAkjcenahEBl enah tlnneb:lnCatln;
Edl mankarRbyuTKaj kj ab; rvagTahanExpRkhm nig kgTBtotNam RBmTajkgTBtaP)al
CaBessenArdUR)aj. PaKerchCncINakRskmkéb:ln kjenahqam1979 dl; qam1995 KVa
GkEdl sftenAkjcl naExpRkhm . erchCagBakkNpl enmnisScasCabusEdl RtU)ansPasn_
)anmkkantlnneb:lnenAkjcenahEBl xagel enH.

enAcjgqam1996 smahrNkmpnkM adjExpRkhmenAeb:ln cu mkrksenAkjsgmCativij)an
eFV[mankarINakRskcu mkrksenAkjttlnenHbEnbeTot. kjenamGkByuEdl rsenAtam tln;
PlnAeb:ln TahanExpRkhmTaldenH)anXatBRkmRKYsarGsCaerchqam dbehl karbBaPsRgAm ket
Cakare)HTItajCaGcEhnyrbsBkeKenAkjttlnenHdbCa TV I v nigbryaxa KVa»kasmYEdl eFV
«BkmpyrbsBKKat)anmkrsenACamY. karbBaPsRgAmenH kYannamknUsnPab Edl CaktP
Cmj [manskmPaBesdkePtl as; ehly)anTakTaj RbCaCn edm,mkrkkargareFlnATrkgeb:ln
enH. enAcjgqam1999 snlencINakRskcu mkkjttlnenH)anfych. enAkjstvtSfplnmnisScas;
PaKerchEdl)anmkrksenAkjttlnenHKVCarSpmmayEdl)ansncitlnkrsenACamYkbrbsxh.

caBaClvPaBrsenAvij mnisScasCabusEdl RtU)ansPasnenARKbRkmGayu mankarByEpK
el kargarpaI xbrbsKat; nig kargarbsRbBnKat,CarbPBcmU clgsmabRTRTgkarsenA rE
Rspij KWindecalleT. tamBit mnisScasCaRskbRkmGayuTajGs;mankarByEpkel kargarbs;kt
nigkargarbRbBnjskbr2edm,RTRTgkarsenA. RtgcmcenH ekGacBnül)anfa mnisScasCa

bnsPaKerch)anTTV pl RbeyaCnBkargarrbsRbBnş rERspij KIW PaKerchCaRspmmayEdI Bmnan
bEgK NamYerkABkbi²enaHeLly. RbkarkYeGayktsMal KWRspdl)anpl bTsPasnesPEt1¼
EdI bpbbsKat;)ansobenAkürrbbul Bt.

cBalkareRCiserIsTkEngrsenA mnşScasçmH 4/5)anrsenACamYkbiyagehacNask¾
makEdr EdI enHCakarbgaj eGayeXij fa BkKatmanGikCYTmkbmj. enAkürrbnRsavRCavenH va
CaerogFmptaEdI mnşScasCabus rsenACamYkbiEdI enAl v cHkmnşScasCaRspsenACamYkbi
EdI erobkarehly. bBaenHqibBaieGayeXij BKW atGayuvagGikpH bTsmšnCabus nigRsp
nig bpbRbBnşbsBkKat;. tamBit busnig RbBnşbsKatEdI manGayCamFümenATabenAet,ly
CaFmpta mankdmintandI vyerobkareT dcbBkKat;UetrsenACamYkbi²EdI enAl v . yagNa
mij ekkXij fa RspigbpdI manvycmNasehlyenaH kb²rbsKatEdI manGayerch kyan Qan
dI vyerobkarEdr dcbBkKatGacrsenA CamYkbi²EdI erobkarCaFmpta . eTahCayagNakpebl
niyayBkarrsküppHsem,gCamYkbi²EdI)anerobkarehlyenaH tamFmpta TabbusnigRspRchEt
rsenACamYkbiRSEdI)anerobkarehly CaCagrsenACamY kbiRbsEdI)anerobkar .

KYktsMal fa mnşScasCabus nig Rspdl RtU)ansPasnesPEt2¼3)anniyayfaBkKat;
mansxPaBTnexSay b=TnexSayNas;. karel keLgrbsBkKatsMan;²mandtCa GskM alj QW
snakédeCg QWij nig QW,al . BkKatCag 2¼5 mankarB)akxdkükarbBj kargardtCa »ncl
erKam el kvtpSg² nigedreTAqly. edayELk manPaKticmankarB)akeFKargarRbcabfHtCa
B)akerkakBismän B)akBisarGahar B)akgltTk nig B)akesokBak;. EtkücmNam GikEdI man
karB)akbBj kargarRbcabfHtKeXij man2¼5 mankarykcitfkdak;nigCYemill EFTalM

GikpH cM lyPaKerch)anniyayfa FabmanCüWnig manrbşsämküry³eBl 1qamngeTA
enH ehlykücmhamGikEdI QWmanel Is 1¼ minGacbbj kargarRbcabfHtan küry³eBl el IsBl
1Ex. cBalesvasxPaBmanPaKerch)anTTV karBüa)al bkü bfaMküry³kal 1qamngeTAenH
EteKmindüfa manRbsitPaBkmtNaenaHeT. eTahCamanesvasxPaBnaeBl enHkp kkarRsavRCav
enHbgaj fa karpH karesvaEFTalsxPaBeGaysmRbsmnmnşScasKWcabBaGaTPaBmly.

sänPaBrsenArbsmnşScasEdI)anrsenAküsgät;TabBr KWsenACabNmpSg²Kü Etküj
PthisaRspit²Kan GikpH cM lyPaKerchKW CaGtitTahanExpRkhmEdI mkrsenAküTRkügeb:İ n

nig)anbegit nUmU danmyedm, bnkarRbyuTka. eTahBl karbBa@sGjámnaqáM 996)annamknU
 snPaBGsry³eBl CaerchqáMkehlyenHkeday karRbyuTka bnCaerchqáMngmk)anbnSI ;TknU
 pl bhBal EpiksPaB nigeFVGaymankar)atbgCvitsmaCkRKYsarCaerchnak; . \T,ÚenH BKKat;
 BmansfienAkúgcl nakgTBZoteT dbeHKKat:)anxitxRokbrbrcBanCvitedCa kareFRscMar
 Caedm. enAkúgeBl Edl mansmahrNkmknngmk «BkmpyénTahanGttExpRkhm)anmkrsenA
 kúgtúnéb:lnCamlykb nigeA²rbsBKKat; ddenHmnsScas;TajenH kZaEpikmyénmnsScasEdl
)ane)hTtalenAkúgtúnenH naeBl knngmkenHedr.

manbNphmnsScasEdl rsenAeb:lnmyeTot Edl)anrsenATenHedr eRkaysmahRNkmp
 edm,eqot»kasrkR)akcMNU tamry³kareFVMar nigCj ddepSg² . mnsScas;TajenHrhmman «Bk
 mpyEdl)anmkCamlykb²Edl)ancMnakRskmkkan,túnenH edm,man»kasrkR)akcMNU . mnsS
 casespEtTajGsedl enAkúgbNphH FabCaCnrgeKahenAkúgrbbRbl yBCsasn. \T,ÚenH BK
 KatkúgEt)anrsenAenAkúgPthi CamlykánngmnsScasÉeTotEdl CaGkFabGnuTtambTbBaarbs;
 rbb bil Bt Edl)aneFVGayBkeKTV rgnUkarQWab;nigrGTkevTna\TKNna.

karGegá[®]g[®]aydZMynaqáM2004 GBlsnPaBmnsScasenAkmea)ansnidanfa \TB
 énsGjámstil mkel mnsScasEdl kúgmanCvitsenAsBefKManTmMFGNas;. pl bhBal én
 sGjám)aneFVRbetSkmeastienAkúgsnPaBRkRk nigbhBal dl mnsSCaerch el kEl getmnsS
 mlycMhtúEtbaN³⁴ . rÉkarRsavRCavenAeb:lnhvij)anrkeXlj fa \TB I énsRgámenH)anbhBal ;
 eTael mnsScas;TajsgxagenAkúsgjámknngmk. CakEsq eTahmnsScasEdl)ansPasn_man
 Rbvtks²KádtCa GkxHCaGttTahanExpRkhm nig GkxHdeTotCaGkrgerKalkúgrbbExpRkhmkp k^{3/4}
 BKKatPaKPaerch)anTVI rgpl bhBal EpiksPaB nigmansnPaBCVPaBRkRk. karbraCjén
 rbb bil Bt nigkarGsbnayénsGjámCaerchqáM)annamknUPaBRkRk BmTajesaknadkmskúg;
 mnsScas;TajGsedl)ansPasn. eTahCayagNakp Gkpp bTsPasnTajenHKWkúgmanrsran
 manCvitenAeLly ehlytamry³karxitxMskúgqakCvitrbsBKKatKY [ktsMal mkenH KQakarnaM
 mknUPaBeCOCak; kúgdMreqaleTakan;TsSn³visymy Edl)andakecj edaymhasn)at enATRkúg
 maRdit sGBl “skpnBl dZsarúbsmnsScas;”.

³⁴ Sthemil Zimmer et al GNTBI énsRgám nig PaBcl ac l enAkúsgánkm&akngmkeTael mnsScasCManenH

]bsm16 TI 13 eQhskakam nigRkmeGDGay

In Samrithy	Cooperation Committee for Cambodia
Doung Virorth	Cambodia Development Resource Institute
Meach Sothea	Church World Service
Koh Chhina	Church World Service
Sreng Phyrum	Development and Partnership for Action
Ky Samphy	Krousar Yoeung
Oeuk Pisith	Lutheran World Federation
Nhep Thy	Lutheran World Federation
Suk Ra	Lutheran World Federation
Chhin Chheun	Lutheran World Federation
Vouth Sokun	Nak Akphivath Sahakum
Nong Bunson	Ockenden International Cambodia
Ek Sunsen	Organization to Develop our Villages
Chrun Sao	Oxfam Australia
Choeun Vicheth	Peace and Development Aid Organization
Soseang Sotheary	People Center for Development and Peace
Thou Eangly	Society for Development in Cambodia
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