

Yi dYf]YbWg cZ[i] hUxgLa YkYFYg]W]W]g] Yg]b'hY]bhf]Jk'g' HYa Uj ZbX]b]g'g'ck YXhUihYg]h Ujcb'cZV]b] Zla]ma Ya Vf lc'gra YcbY]b'YbX]cZ]ZY W]FY]bj c] YXUWa a]ha Yb]hc'a U]YhY fVa Uj]b]]ha YUg]ccXUg]dcg]VYZcf'hY'cj YXcbY'K \YbzZf'gra Y fUg]bz hY Wa a]ha Yb] Wi X bch VY UWa d]g]Yz hY Za]m a Ya Vf Wi X]Y dYf]YbW[i]]z]g W]Ug]bch]U]]b] XcbY]bci [\z]bch \U]]b] VYb] lc] YhY' Xi f]b]]a dcf]Ubh Y]Yb]g' bch \U]]b] HU_XY Ybci [\lc'YUW' chYz cf' bch \U]]b] XcbY hY f]]h]]b] g' G]a Y Wi XcW]f'k \h'hYZla]ma Ya Vf'kUg]]bj c] YXUW]U] U]m] g]X \Ufa]lc'hY'cj YXcbY]Ug]kY' U]g]]b]]g]h U]cbg]h Uik YFYV]m]bX]h Yf Wb]fc' "h]Wi X]Ug' Ya U]UY'Zca V]]b]]di h]]b]]g]h U]cbg' V]m]chYf dYc]d'Y' b'hY]g]i X]Yg]h Y]Y dYf]YbW cZ[i]]h \XU]Z'W]g]cb'k \UihY Zla]ma Ya Vf \Uzcf' \Uk]bch XcbY]U]X]Y dYf]YbW]g]cZ]g]a Y \U]U Z'W]g]cb'hYZla]ma Ya Vf g]g]Z

5''Vi hcbYcZ hY%' dUf]V]U]b]g]Y dYf]YbW]X[i] hUxgLa Y]b Wb]b]Y]m]cb' k]h' hY Yb]X]cZ]ZY W]FY' b' cfXf' lc' X]Y]Yb' hY i bX]f]g]U]X]b]]cZ]h Yd \Y]ca YbU]cZ[i]]hUxgLa Y]]h]k U]g]h Y]Y]Z'fY]a dcf]U]b]h]c']b]]g]h]U]h' \ck' h]]g]dUf]V]U]b]h]X]g]M]V]X' \Y']g]h U]cb' 7cb]g]ei Yb]h]a hY U]a]cZ]h]g]g]i X]nk U]g]lc' Y] d'cfY U]X]b]h]f]d]Y]h U Zla]ma Ya Vf]g]h U]cb'cZV]]b]]k]h]ci h]Z]Y]]b]]g]cZ[i]]hUxgLa Y Xi f]b] Yb]X]cZ]ZY W]FY U]X]lc X]g]M]V]Y]f]U]g]bg]Zf' hY Ycb] Y] dYf]YbW]g] cZ]h Y]g]Z]Y]]b]]g'

Design and Method

5b' Y] d'cf]U]c]f]m]W]Y]g]i X]m]Q]Q]k U]g] W]c]g]b' Z'f' hY X]g]]b] 7U]Y]g]i X]m] a Y]h]c]X'c]]m]]g]]g]]h]U]Y] Z'f' Y] d'cf]]b]]z' X]g]M]V]]b] U]X i bX]f]g]U]X]b]]U]d] Y]ca Y]cb' U]X]Z'f' d'Y]g]b]h]b]]f]W]X]g]M]d]h]c]b]g]cZ]b]X]b]]g] 'h]U]g' d'f]c]]X]g]c]d]c]f]i b]]h]Y]g] Z'f' hY U]b]U]ng]g]cZ]a dcf]U]b] W]F]U]M]]g]]g] cZ]f]U']Z] Y] Y]b]g] cZ]h' U]g]cbY U]g]Y]M] cZ U']f]]Y' f]Y]U]F]W]g]i X]m]Q]Q]k \]W]]g]]b] U]W]f]X]b]W] k]h' hY a Y]b]]cb]Y]X d'f]c' W] 7U]Y]g]i X]Y]g] U]b]Y]f]Y]g]U]F]W]f]g]lc' Ya d]f]]W]]m]]b]]g]h]U]h]U]X U]W]]Y] Y' U]b']b' X]d]h]z' c]]f]U]z']b' W]b]h]i i bX]f]g]U]X]b]]cZ U d \Y]ca Y]cb' cf' U]b' Y] dYf]YbW] Zca U]b']b]Z'fa U]b]k \c']g] X]f]Y]M]m]b]]c]]Y]]b]h]Y]U]M]]h]Y]g]Q]Q]

Participant and data collection

HAY XU a U]h]]U' W]b]g]h]X' cZ]k'c']b] X]d]h']b]h]f]]k'g' k]h' U X]i [\]h]f' /k Y W]b' W' \]f' 5bb]U]c]i h \]f' Y] dYf]YbW]cZ' c]g]b] \]f' a ch Y']lc' U]W]b]W]f' X]g]X]g]' HAY]b]h]f]]k' Y' V]]U]b' k]h' h' Y]ei Y]g]]cb. 7ci X]n]i' d'Y]U]g]]h' a Y]U]c]i h]n]i' f' Y] dYf]YbW]g]cZV]]b] U]Z]a]m a Ya Vf' cZ' gra YcbY]b' Yb]X]cZ]ZY W]FY' HAY dUf]V]U]b]h] kUg Yb]Wi f]U]Y]X]lc' YU]cf]U]Y'cb' \]f' Y] dYf]YbW]g] U]X' \ck' h' Y]g]h U]cb Y]c]]Y]X]h]f]c]i [\]h' Y]b]X]cZ]ZY W]FY U]X]h' Y]X]U]h' cZ]h' Y'c]]X]cbY' HAY Z'W]g] kUg]cb' Y] dYf]YbW]g]cZ [i]]h' U]X]g]La Y] U]X]g]]Y]U] ei Y]g]]cb]g' U]c]i h]h]Y]g] Z]Y]]b]]g] k]Y]Y] U]g] Y]z' g' W' U]g' K U]g] h'Y]Y U]b]h]]b]]h' U]k] Y]b]h]k]f]cb]]X]i f]b]]h]]g]d]Y]]c]X]z' 8]X]n]i' Y] dYf]YbW [i]]h]g]]a Y]X]i f]b]]h]]g]d]Y]]c]X]z' "6m]Y]U]cf]U]]b]]h' Y]k' \c' Y]b]X]cZ]ZY Y] dYf]YbW]z' 5bb]U]Wi X']c']b]lc' X]f]U]g] U]c]i h \ck' \]f']g]h U]cb' U]g]U Z]a]ma Ya Vf \U]X]X]j Y]cd]Y]X]U]X]k \mg] Y]X]X]b]ch]U] Y] Y] dYf]YbW]g] cZ[i]]h' U]X]g]La Y' HAY]b]h]f]]k' Y']f]]X]lc' a U]b]]U]b' U]b' cd]Y]b]Y]g] U]X]g]b]g]h]]m]l]c]k U]f]X]g]h' Y]b]U]f]U]]Y]]b] cf]X]f']lc' Z' \ck' h' Y]g]f]m]i HAY ei Y]g]]cb]g' h]U]i k]Y]Y] i g]X] k]Y]Y] cd]Y]b] Y]b]X]X']b' cf]X]f']lc' Y]b]Wi f]U]Y Z]f]h' Y' Y] d'cf]U]cb' cZ]h' Y]]g]]Y' 5bb]U] X]V]X]X] h]U]h' Y]]b]h]f]]k'g] g]c]i X]U]Y]d'U]W]]b' \]f' \ca Y' 9U]W]cZ]h' Y]k'c']b]h]f]]k'g]k]Y]Y') S a]bi h]g']cb] U]X]k]Y]Y]f]Y]W]f]X]X]U]X]h]U]b]g]M]V]X]j Y]V]U]ja "

Analysis

HAY]b]h]f]]k' a U]h]]U' kUg] U]b]U]m]X]]b' U] \]f' a Y]b]]h]W]k] U]i]k]]h' U]b]b]]h]U' U]a]cZ]Z]b]X]b]]_bck' \]X]]Y]U]c]i h]d]c]g]]V]Y] Y] dYf]YbW]g]cZ [i]]h' U]X]g]La Y' K \]b']h]k U]g] W]U]f' h' U]k] Y]W]i X]b]ch]Z]b]X]U]m]Y] dYf]YbW]g] cZ [i]]h' U]X]g]La Y]h' Y]X]U]a U]h]]U' kUg] U]b]U]m]X]cb]W]U]]b]]b']h' Y]g]a Y]k] U]z]V]i h]h]]g]h]a Y]k]]h' h' Y]U]a]cZ]M]d'cf]]b] U]X]]b]h]f]d]Y]h]b]]h' Y] dUf]V]U]b]h]g' bcb] Y] dYf]YbW]g]cZ [i]]h' U]X]g]La Y' HAY U]b]U]ng]g] kUg] W]b]X]i W]X]]b] U]X]U]c]]i Y]k]]h' h' Y]h] h]Q]z' z']Q]

HAY]h]i kUg] f]U]X' g]]Y]U']h]a Y]z']g]a Y]h]a Y]g] g]d]U]F]U]m] U]X]g]a Y]h]a Y]g]k' \]Y']g]h]b]]b]]lc' h' Y]Y]W]f]X]X]]b]h]f]]k'g]]b]cf]X]f']lc' []U]b]U Z]b]X]a Y]b]U]i bX]f]g]U]X]b]]cZ]h' Y]a Y]b]]b]]cZ]h' Y]h]i h]U]g]U]k' \c' Y' HAY i bX]f]g]U]X]b]]cZ]h' Y]k' \c' Y]h' Y]b]]b]Z] Y]b]W]X]h' Y]i bX]f]g]U]X]b]]cZ]h' Y] dU]f]g']g] Y]m]g]]b]]Y]g]b]h]b]W]cf' g]Y]M]cb' cZ]h' Y]h]i h]k U]g]]b]]g]h]]U]X]]b]cf]X]f']lc' Y] d'c]g]h' Y]a Y]b]]b]]cZ]h' Y]dU]f]V]U]b]h]g]Y] dYf]YbW]g] HAY dU]f]g] cZ]h' Y]h]i h]k Y]Y]f]Y]U]X]U]W]]lc' h' Y]h]i h]U]g]U]k' \c' Y]z']g]a Y]h]]b]]h]U] \]Y]d]X]V]c]U]X]b' h' Y]i bX]f]g]U]X]b]]cZ]h' Y] Y] dYf]YbW]g] HAY]g]Y' kU]g]cZ []U]b]]b]]b'k' i bX]f]g]U]X]b]]U]X]cZ]k]]X]b]]b]]h' Y' \cf]]m]cb]g' cZ i bX]f]g]U]X]b]]k]Y]Y]d]Y]Z'fa Y]g]]Y]U]]h]a Y]g'

b' U' \]f' a Y]b]]h]W]k] U]z] h' Y]]b]h]f]d]Y]h]cb' cZ]h' Y] Y] dYf]YbW]g] kUg] W]U]Y]b]]Y]X' V]m] U]X]]b']h]f]b' W]U]Y]b]]Y]X' h' Y] f]Y]g]U]W]Y]g' dY] i bX]f]g]U]X]b]]6ch' f]Y]g]U]F]W]Y]g' U]Y]d]Y]g]cb]U' Y] dYf]YbW]cZ]k'cf_]b]]b] Y]b]X]cZ]ZY W]FY U]g]bi f]g]g] U]X' U]Y]a Y]h]g]]Y]U' X]n]i]b]]dY]g]cb]g] U]X] h' Y]f' Z]a]ma Ya Vf]g' H]]g] dY]i bX]f]g]U]X]b]]kU]g] W]b]f]c']Y]X' V]m]_Y]d]]b]]U' W]b]g]Y]c]i g' U]X] cd]Y]b]a]b]X]X' U]h]i X]Y']c]k]U]f]X]g] h' Y] X]U]a U]h]]U' U]b]X]h' Y]U]b]U]ng]g'

Ethical considerations

9h]]W' U]d]f]c]]U' Z'f' h' Y]g]i X]nk U]g] c]M]U]b]Y]X] Z'ca' h' Y]F]Y]]cb]U 9h]]W' a c' X]f]]h] ! g]]Y]d] A]Z]d']h]r]]c' A A]F]Y]]c]A]b]k' \]c]

The mother received good care with clear planning

5bbUZhhU\Yfa chYfkUgkY`hU_Yb`WfYcZxi f]b|`h.YWi fgY

H\YkUg'bc`Ĥa YZf`hfj]U`Wbj YgUcbgž]hkUg]a dcfUbhlc`[c
gfU[\hlc`hYdc]bh`K` \b`5bbU`cc_YXVWZg\YgJX` =W [\hhY

(" 5bXfG\YX6 f88S*LFYUj Yg\B`YbXcZ`ZYWfY!`Dufh%`5`ggha UjW
fy]k`cZhY`JmFh fYhYzj`Y`UghmUfz`>Ubi Ufm%--!: Wfi Ufm88S("

>ci fbU`cZ7`]b]W`Bi fgbl`%`.%%, !%*-")

)" \timesC6fUj`?z@c\ZYX@K`]`lg`b?`f88S+L7UFY]j]b[`UihYybXcZ`ZY

dYfgfWmj`Yg`Zca`gldi`gU`WfY]j`Yfg`UbX`WfY`fYm]Yblg`DU`]Uj]Y

G`ddcfh7UFY).%-%%"

*" GWhi; zK`n\mf`Bz; fUbi; `f88S+L5`gi`XincZZa`]mWfYfg`cZdYcdY

k]h`U`]Z!h`fYUhb]b[`]`bYgg`%`h`Y`WfYfg`bYXg`UbUngg`-bhfbU]cbU

>ci fbU`cZDU`]Uj]YBi fgbl`+.`&`S!&%`

+" K`c`Z`>@8nCA`z: f]W?`8z?`Ug]f`>8`f88S+L9bXcZ`ZY`WfY:]bX]b]g

Zca`U`bU]cbU`g`fj`YncZ`]bZ`fa`U`WfY]j`Yfg`5fW]j`Yg`cZ`-bhfbU

A`YX]WbY%+.`(S!(*"

, " GUXi`Uf`?-z: i`b_`@HcnY7z; fUbXY; 9z5ci`b`G`YhU`"f88S%LE`Dufh%

<`ca`Y`V`g`X`Z`a`]mWfY]j]b[`UihYybXcZ`ZY`UW`a`dfY`Ybgj`Yfy]Yk

cZ`di`V]g`YX`ei`U]hUj]Y`fYgUfW`f%-`!&88S`E`DU`]Uj]Y`A`YX]WbY`&(
)+`!)`-`"

- " :i`b_`@GUXi`Uf`?-z`HcnY7z5ci`b`Gz; fUbXY; 9zYhU`"f88S%LE`Dufh&

<`ca`Y`V`g`X`Z`a`]mWfY]j]b[`UihYybXcZ`ZY`UW`a`dfY`Ybgj`Yfy]Yk

cZ`di`V]g`YX`ei`U]hUj]Y`fYgUfW`f%-`!&88S`E`DU`]Uj]Y`A`YX]WbY`&(
)-`(!*S+`"

%\$" 5bXfG\YX`6z`HfbYg]Xh`6A`f88S%L`8`Y`Ycda`Ybi`cZ`U`h`YcfY]W

ZUa`Ykcf`_`cZi`bXfG]UbX]b[`U`ci`h`fYUj]Yg`]bj`c`j`Ya`Ybi]b`dU`]Uj]Y