Supplemental Table 1.Description of the 2wT cohort at enrolment, by study arm.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Characteristic | | Routine care  N=359 (%) | Intervention  N=362 (%) | Full sample  N=721 |
| Age (years) | |  |  |  |
| Median | | 23 | 24 | 24 |
| IQR\* | | (18-31) | (19-32) | (19,31) |
| Site |  |  |  |  |
|  | Seke South | 294 (81.9) | 300 (82.9) | 594 (82.4) |
|  | Norton | 65 (18.1) | 62 (17.1) | 127 (17.6) |
| Language |  |  |  |  |
|  | English | 127 (35.4) | 154 (42.5) | 281 (39.0) |
| Shona | 232 (64.6) | 208 (57.5) | 440 (61.0) |
| Cell company |  |  |  |  |
| Econet | 315 (87.7) | 321 (88.7) | 636 (88.2) |
| Other | 44 (12.2) | 41 (11.3) | 85 (11.8) |
| Daily wage ($) |  |  |  |  |
|  | Median | 4.75 | 4.50 | 4.50 |
|  | IQR\* | 0-15 | 0-15 | 0-15 |

\*Interquartile range

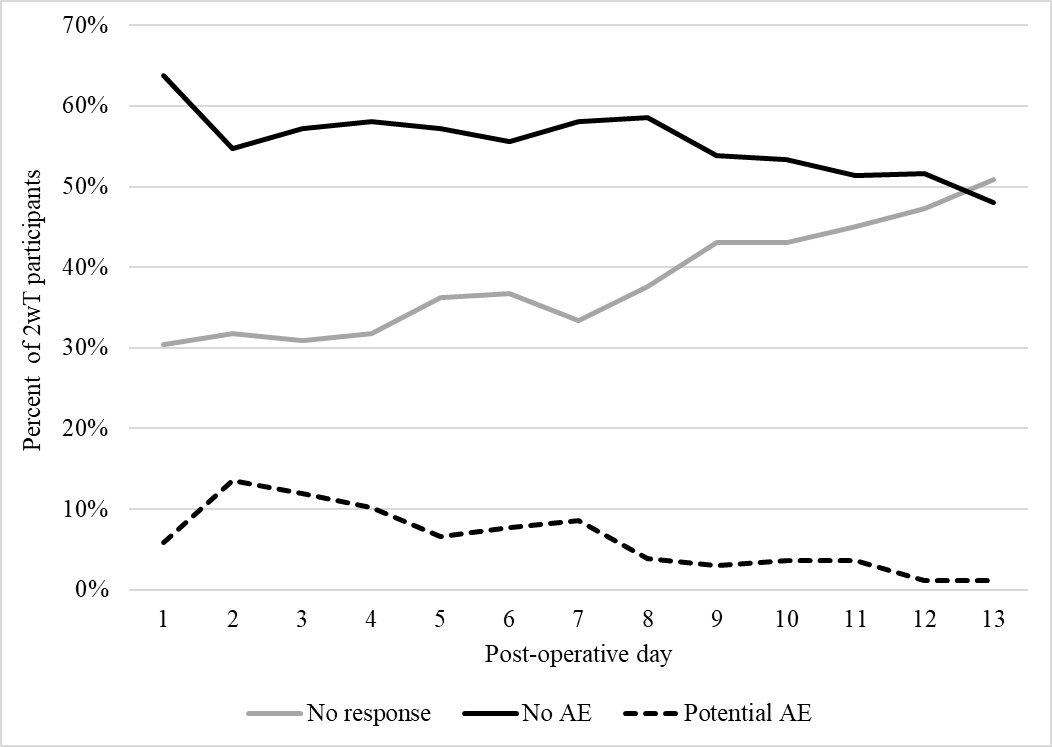
Supplemental Table 2: Type, timing, and severity of AEs

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Severity | | Post-operative day | Type | Study Arm | |
| Texting | Routine |
|  | | | | | |
| 1 | Severe | 0 | Bleeding |  | X |
| 2 | Severe | 0 | Bleeding | X |  |
| 3 | Severe | 0 | Bleeding | X |  |
|  |  | | | | |
| 4 | Moderate | 0 | Bleeding |  | X |
| 5 | Moderate | 2 | Bleeding | X |  |
| 6 | Moderate | 4 | Infection | X |  |
| 7 | Moderate | 7 | Infection | X |  |
| 8 | Moderate | 11 | Infection | X |  |
| 9 | Moderate | 16 | Infection |  | X |
|  |  | | | | |
| 10 | Mild | 2 | Bleeding |  | X |
| 11 | Mild | 2 | Swelling |  | X |
| 12 | Mild | 3 | Bleeding | X |  |
| 13 | Mild | 4 | Swelling | X |  |
| 14 | Mild | 4 | Swelling | X |  |
| 15 | Mild | 4 | Swelling | X |  |
| 16 | Mild | 7 | Infection | X |  |
| 17 | Mild | 7 | Swelling | X |  |
| 18 | Mild | 14 | Swelling | X |  |

Supplemental Digital Content, Figure 1: Community Health Toolkit app example for 2wT

A screenshot of a social media post

Description automatically generated

Supplemental Digital Content, Figure 2: 2wT daily response rates over time 

Supplemental Digital Content, Figure 3: Summary of daily text flow

4706 daily texts sent

Reasons for lack of PAE forms:

* 37 men sent both “No AE” and “Potential AE” texts same day. Form filled only if most recent text was PAE
* Some men sent PAE texts erroneously
* Some PAE sent to ask logistical questions (transport, visit timing, etc.)
* Some PAE may be missed

292 PAE texts received (6.2%)

252 (86.3%) PAE reports filled by 2wT nurse

83/252 (32.9%) nurse did not believe client described an AE

* 51/82 (62.2%) asked to return as a precaution

165 (65.4%) referred to in-person visit

100 (62%) texted the next day:

“No AE”

46 (29%) came back for an in-person visit

14 (9%) did not return as requested

5 (0.03%) missing form