Table 1. Participant Demographics\*\*\*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Total Scored\* | Low Score\*\* | High Score\*\* | p-value |
| N=200, n (%), Responses | 174 | 26 | 148 |  |
| Age Category (years) |  |  |  | 0.56 |
|  14-17 | 48 (28) | 6 (23) | 42 (28) |  |
|  18-21 | 64 (37) | 12 (46) | 52 (35) |  |
|  22-24 | 62 (36) | 8 (31) | 54 (36) |  |
| Highest education level (grade) |  |  |  | 0.35 |
|  1-6th primary school | 32 (18) | 6 (23) | 26 (18) |  |
|  7-9th primary school | 66 (38) | 6 (23) | 60 (41) |  |
|  3-4th secondary school | 67 (39) | 13 (50) | 54 (36) |  |
|  Graduated secondary school | 9 (5) | 1 (4) | 8 (5) |  |
| Marital status |  |  |  | 1.00 |
|  Married | 7 (4) | 1 (4) | 6 (4) |  |
| Regular school attendance (attending school at least 3 days a week) |  |  |  | 0.40 |
|  Yes | 87 (50) | 11 (42) | 76 (51) |  |
| Living situation |  |  |  | 0.75 |
|  House | 152 (87) | 22 (85) | 130 (88) |  |
|  Tent | 22 (13) | 4 (15) | 18 (12) |  |
| Religion |  |  |  | <0.01 |
|  Catholic  | 59 (34) | 4 (15) | 55 (37) |  |
|  Other Christian religion  | 82 (47) | 10 (38) | 72 (49) |  |
|  Other  | 0 (0) | 0 (0) | 0 (0) |  |
|  None | 32 (18) | 11 (42) | 21 (14) |  |
|  Did not answer | 1 (1) | 1 (4) | 0 (0) |  |
| Sexual Orientation |  |  |  | 1.00 |
|  Gay | 0 (0) | 0 (0) | 0 (0) |  |
|  Lesbian | 0 (0) | 0 (0) | 0 (0) |  |
|  Straight/not gay or lesbian | 174 (100) | 26 (100) | 148 (100) |  |
|  Bisexual | 0 (0) | 0 (0) | 0 (0) |  |
| Did not seek care in past year when felt they should | 89 (51) | 18 (69) | 71 (48) | 0.13 |

\*Responses with 3 or more missing items were not scored

\*\*Low scores were defined as a total mean score <1.82; high scores were defined as a total mean score > 1.82

\*\*\*All data obtained from both site 1 and 2

Table 2. Material and Home Environment Needs (n=200)\*

|  |  |
| --- | --- |
|  | **Participant Responses, n (%)** |
| **During your last menstrual period how often did you feel that…** | **Never** | **Sometimes** | **Often** | **Always** |
| My menstrual materials were comfortable. | 23 (12) | 16 (8) | 47 (24) | 114 (57) |
| I had enough of my menstrual materials to change them as often as I wanted to. | 11 (6) | 20 (10) | 54 (27) | 115 (58) |
| I was satisfied with the cleanliness of my menstrual materials. | 9 (5) | 5 (3) | 58 (29) | 127 (64) |
| I could get more of my menstrual materials when I needed to. | 16 (8) | 29 (15) | 61 (31) | 93 (47) |
| I felt comfortable storing my menstrual materials until my next period. | 24 (12) | 24 (12) | 75 (38) | 76 (38) |
| I was able to wash my hands when I wanted to. | 13 (7) | 45 (23) | 71 (36) | 70 (35) |
| I was able to immediately throw away my used menstrual materials or find a place to store them if they are reusable. | 2 (1) | 33 (17) | 73 (37) | 91 (46) |
| I was able to dispose of my used materials in the way that I wanted to. | 10 (5) | 42 (21) | 27 (14) | 118 (60) |
| When at home, I was able to change my menstrual materials when I wanted to. | 9 (5) | 4 (2) | 86 (43) | 100 (50) |
| When at home, I was satisfied with the place I used to change my menstrual materials. | 9 (5) | 8 (4) | 86 (43) | 96 (48) |
| When at home, I had a clean place to change my menstrual materials. | 7 (4) | 2 (1) | 88 (44) | 102 (51) |

\*All data obtained from both site 1 and 2

Table 3. Transport and School Environment Needs (n=200)\*

|  |  |
| --- | --- |
|  | **Participant Responses (n, %)** |
| **During your last menstrual period how often did you feel that…** | **Never** | **Sometimes** | **Often** | **Always** |
| I felt comfortable carrying spare menstrual materials with me outside my home. | 16 (8) | 21 (11) | 66 (33) | 96 (48) |
| I felt comfortable carrying menstrual materials to the place where I changed them. | 17 (9) | 15 (8) | 76 (38) | 91 (46) |
| When at school, I was able to change my menstrual materials when I wanted to. | 23 (12) | 39 (20) | 78 (39) | 59 (30) |
| When at school, I was satisfied with the place I used to change my menstrual materials. | 24 (12) | 52 (26) | 69 (35) | 54 (27) |
| When at school, I had a clean place to change my menstrual materials. | 25 (13) | 58 (29) | 66 (33) | 50 (25) |
| I skipped school because I had my menses.\*\*  | 50 (25) | 62 (31) | 61 (31) | 26 (13) |

\*All data obtained from both site 1 and 2

\*\*Item not in Menstrual Practice Needs Scale (MPNS)

Table 4. Menstrual Reliability Concerns (n=200)\*

|  |  |
| --- | --- |
|  | **Participant Responses, n (%)** |
| **During your last menstrual period how often did you feel that…** | **Never** | **Sometimes** | **Often** | **Always** |
| I worried that my menstrual materials would allow blood to pass through to my outer garments. | 39 (20) | 98 (49) | 38 (19) | 24 (12) |
| I worried that my menstrual materials would move from place while I was wearing them. | 32 (16) | 104 (53) | 38 (19) | 24 (12) |
| I worried about how I would get more of my menstrual material if I ran out. | 57 (29) | 105 (53) | 25 (13) | 12 (6) |

\*All data obtained from both site 1 and 2

Table 5. Change and Disposal Insecurity (n=200)\*

|  |  |
| --- | --- |
|  | **Participant Responses, n (%)** |
| **During your last menstrual period how often did you feel that…** | **Never** | **Sometimes** | **Often** | **Always** |
| I worried about where to dispose of my used menstrual materials. | 136 (68) | 42 (21) | 12 (6) | 9 (5) |
| I was concerned that others would see my used menstrual materials in the place I disposed of them. | 80 (40) | 81 (41) | 18 (9) | 19 (10) |
| When at home, I worried that I would not be able to change my menstrual materials when I needed to. | 95 (48) | 79 (40) | 11 (6) | 14 (7) |
| When at home, I worried that someone would see me while I was changing my menstrual materials. | 71 (36) | 88 (44) | 24 (12) | 16 (8) |
| When at home, I worried that someone would harm me while I was changing my menstrual materials. | 89 (45) | 66 (33) | 26 (13) | 18 (9) |
| When at home, I worried that something else would harm me while I was changing my menstrual materials (eg, animals, insects, unsafe structure). | 71 (36) | 81 (41) | 12 (6) | 35 (18) |
| When at school, I worried that I would not be able to change my menstrual materials when I needed to. | 64 (32) | 101 (51) | 23 (12) | 11 (6) |
| When at school, I worried that someone would see me while I was changing my menstrual materials. | 60 (30) | 96 (48) | 30 (15) | 13 (7) |
| When at school, I worried that someone would harm me while I was changing my menstrual materials. | 87 (44) | 81 (41) | 23 (12) | 8 (4) |

\*All data obtained from both site 1 and 2

Table 6. Reuse Needs (n=200)\*

|  |  |
| --- | --- |
|  | **Participant Responses, n (%)** |
| **During your last menstrual period how often did you feel that…** | **Never** | **Sometimes** | **Often** | **Always** |
| I had enough water to soak or wash my menstrual material. | 1 (1) | 9 (5) | 14 (8) | 150 (86) |
| I had access to a basin to soak or wash my menstrual materials whenever I needed it. | 5 (3) | 1 (1) | 15 (9) | 153 (88) |
| I was able to wash my menstrual materials when I wanted to. | 2 (1) | 4 (2) | 26 (15) | 143 (82) |
| I had enough soap to wash my menstrual materials. | 10 (6) | 22 (13) | 33 (19) | 109 (63) |
| I was able to dry my materials when I wanted to. | 5 (3) | 4 (2) | 47 (27) | 118 (68) |

\*All data obtained from both site 1 and 2

Table 7. Reuse Insecurity (n=200)\*

|  |  |
| --- | --- |
|  | **Participant Responses, n (%)** |
| **During your last menstrual period how often did you feel that…** | **Never** | **Sometimes** | **Often** | **Always** |
| I worried that someone would see me while I was washing my menstrual materials. | 37 (21) | 69 (40) | 41 (24) | 27 (16) |
| I worried that my menstrual materials would not be dry when I needed them. | 94 (54) | 51 (29) | 21 (12) | 8 (5) |
| I worried that others would see my menstrual materials while they were drying. | 45 (26) | 76 (44) | 31 (18) | 22 (13) |

\*All data obtained from both site 1 and 2