**Participant Flow**

Analysis

47 pre-schoolers (14%) lost in the follow-up

8 clusters (schools) in baseline measurement

(606 pre-schoolers)

4 cluster with the intervention

(346 pre-schoolers)

4 control

clusters

(260 pre-schoolers)

Randomization

13 pre-schoolers (5%) lost in the follow-up

4 clusters in the final measurement (247 pre-schoolers)

4 clusters in the final measurement (299 pre-schoolers)

Follow-Up

Allocation

Enrollment

17 schools in the Scholar Area No. 20, invited to participate until getting the sample quota

**Baseline characteristics**

**Table 1.** Pediculosis capitis prevalence in baseline measurement in eight schools of pre-scholar level

|  |  |  |  |
| --- | --- | --- | --- |
| School (cluster) | Number of pre-schoolers | Infested children | *pediculosis capitis* prevalence  |
| 1 | 66 | 17 | 25.8% |
| 2 | 85 | 13 | 15.3% |
| 3 | 36 | 8 | 22.2% |
| 4 | 88 | 15 | 17.0% |
| 5 | 64 | 4 | 6.2% |
| 6 | 118 | 24 | 20.3% |
| 7 | 75 | 7 | 9.3% |
| 8 | 74 | 12 | 16.2% |
| Total | 606 | 100 | 16.5% |

**Outcome measures**

**Table 2.** Pediculosis capitis prevalence in intervention schools and control schools in final measurement

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | School with the intervention  | Control Schools |  |
|  |  | n= | % | n= | % |  Total |
| Pediculosis capitis  | Positive | 12 | 4% | 33 | 13% | 45 |
| Negative | 287 | 57% | 214 | 42% | 501 |
| Total |  | 299 |  | 247 |  | 546 |

**Adverse Events**

There were no adverse events associated with this trial.