**Table S1: Personal hygiene characteristics of study participants (n=401) among food handlers in MedebayZanadistrict Towns (February-March, 2019).**

|  |  |  |  |
| --- | --- | --- | --- |
| Characters | Category | Frequency | Percent |
| How often do you wash your hands before food preparation? | AlwaysUsuallySometimes | 3067322 | 76.318.25.5 |
| Do you wash your hands by soap and water after visiting toilet? | AlwaysUsuallySometimes | 22214732 | 55.436.78.0 |
| Do you wash your hands after touching dirty materials and different body parts? | NoYes | 23378 | 5.794.3 |
| Do you wash your body regularly in your working area? | NoYes | 221180 | 55.144.9 |
| Do you have a medical checkup certificate? | NoYes | 0401 | 0.0100 |
| How frequent do you come to health center for medical checkup? | Every three monthEvery six monthEvery nine month | 2847047 | 70.817.511.7 |
| Do you wear clean aprons during food preparation? | N0Yes | 137264 | 34.265.8 |
| Do you wear clean hair garment during food preparation? | NoYes  | 122279 | 30.469.5 |
| How frequent do you cut your fingernails? | Two times per weekOne times per weekOne times per two week | 2975295 | 7.218.274.1 |