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| Table 1: Percentage distribution of household sanitation facility by background characteristics of household | | | | | | | | |
| Background characteristics | 2007 (n=10,400) | | 2011 (n=17,141) | | 2014 (n=17,300) | | 2017-18 (n=19,457) | |
| Improved | Not improved | Improved | Not improved | Improved | Not improved | Improved | Not improved |
| Division |  |  |  |  |  |  |  |  |
| Barisal | 33.51 | 66.49 | 38.40 | 61.6 | 52.01 | 47.99 | 47.76 | 52.24 |
| Chittagong | 29.62 | 70.38 | 38.50 | 61.5 | 53.06 | 46.94 | 52.68 | 47.32 |
| Dhaka | 22.74 | 77.26 | 29.03 | 70.97 | 40.62 | 59.38 | 40.15 | 59.85 |
| Khulna | 27.32 | 72.68 | 35.51 | 64.49 | 47.36 | 52.64 | 49.77 | 50.23 |
| Rajshahi | 22.22 | 77.78 | 35.81 | 64.19 | 43.97 | 56.03 | 35.76 | 64.24 |
| Sylhet | 26.68 | 73.32 | 31.48 | 68.52 | 41.54 | 58.46 | 40.57 | 59.43 |
| Place of residence | | |  |  |  |  |  |  |
| Urban | 37.44 | 62.56 | 39.57 | 60.43 | 48.53 | 51.47 | 41.80 | 58.20 |
| Rural | 21.97 | 78.03 | 31.66 | 68.34 | 43.61 | 56.39 | 43.44 | 56.56 |
| Wealth Index | | |  |  |  |  |  |  |
| Poorest | 6.80 | 93.20 | 8.80 | 91.20 | 18.38 | 81.62 | 17.02 | 82.98 |
| Poorer | 12.72 | 87.28 | 22.75 | 77.25 | 35.48 | 64.52 | 30.97 | 69.03 |
| Middle | 20.40 | 79.60 | 33.46 | 66.54 | 50.69 | 49.31 | 50.25 | 49.75 |
| Richer | 34.06 | 65.94 | 46.55 | 53.45 | 53.70 | 46.30 | 50.83 | 49.17 |
| Richest | 56.73 | 43.27 | 60.81 | 39.19 | 67.58 | 32.42 | 68.10 | 31.90 |
| Household size (Mean, Standard Deviation) | 5.75 | 4.75 | 5.32 | 4.60 | 5.05 | 4.40 | 4.94 | 4.30 |
| Sex of the household head | | | |  |  |  |  |  |
| Male | 25.39 | 74.61 | 33.77 | 66.23 | 44.72 | 55.28 | 43.09 | 56.91 |
| Female | 25.04 | 74.96 | 32.68 | 67.32 | 46.85 | 53.15 | 42.39 | 57.61 |
| Age of household head (Mean, Standard Deviation) | 47.26 | 43.44 | 47.65 | 43.76 | 47.39 | 42.97 | 47.57 | 44.17 |
| Educational status of household head | | | |  |  |  |  |  |
| No education | 14.23 | 85.77 | 22.08 | 77.92 | 33.48 | 66.52 | 31.40 | 68.60 |
| Primary | 21.74 | 78.26 | 29.45 | 70.55 | 40.65 | 59.35 | 38.20 | 61.80 |
| Secondary | 34.48 | 65.52 | 42.66 | 57.34 | 53.08 | 46.92 | 49.29 | 50.71 |
| Higher | 62.11 | 37.89 | 63.69 | 36.31 | 72.65 | 27.35 | 69.90 | 30.10 |
| Ever married status of household head | | | | |  |  |  |  |
| No | 27.60 | 72.40 | 29.55 | 70.45 | 45.37 | 54.63 | 42.56 | 57.44 |
| Yes | 25.29 | 74.71 | 33.74 | 66.26 | 44.99 | 55.01 | 42.99 | 57.01 |
| Overall | 25.35 | 74.65 | 33.65 | 66.35 | 44.99 | 55.01 | 42.98 | 57.02 |

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| Table 2: Crude odds ratios (COR) and adjusted odds ratios (AOR) of households using improved sanitation and their 95% confidence interval, Bangladesh (N=64,298) | | |
| Background characteristics | **Crude Odds Ratio** | **Adjusted Odds Ratio** |
|  |
| Division (Ref: Dhaka) |  |  |  |
| Chittagong | 1.46 (1.38 - 1.54)\* | 1.65(1.55 - 1.75)\* |  |
| Barishal | 1.53 (1.45 - 1.62)\* | 2.64(2.46 - 2.82)\* |  |
| Khulna | 1.34 (1.27 - 1.42)\* | 1.79(1.68 - 1.91)\* |  |
| Rajshahi | 1.17 (1.11 - 1.22)\* | 1.76(1.66 - 1.86)\* |  |
| Sylhet | 1.11 (1.05 - 1.17)\* | 1.87(1.75 - 2.00)\* |  |
| Place of residence (Ref: Urban) |  |  |  |
| Rural | 0.69 (0.67 - 0.71)\* | 1.77(1.69 - 1.85)\* |  |
| Wealth Index (Ref: Poorest) |  |  |  |
| Poorer | 2.33 (2.19 - 2.48)\* | 2.20(2.06 - 2.35)\* |  |
| Middle | 4.08 (3.83 - 4.33)\* | 3.81(3.57 - 4.06)\* |  |
| Richer | 5.68 (5.35 - 6.04)\* | 6.02(5.62 - 6.44)\* |  |
| Richest | 14.00 (13.17 - 14.89)\* | 16.57(15.32 - 17.93)\* |  |
| Household size | 1.14 (1.13 - 1.15)\* | 1.14(1.13 - 1.15)\* |  |
| Sex of the household head (Ref: Male) |  |  |  |
| Female | 0.99 (0.95 - 1.04) | 1.28(1.21 - 1.35)\* |  |
| Age of household head | 1.02 (1.02 - 1.02)\* | 1.02(1.02 - 1.02)\* |  |
| Educational status of household head (Ref: No education) |  |  |  |
| Primary | 1.52 (1.45 - 1.58)\* | 1.26(1.20 - 1.32)\* |  |
| Secondary | 2.71 (2.60 - 2.84)\* | 1.65(1.57 - 1.74)\* |  |
| Higher | 7.29 (6.89 - 7.72)\* | 3.12(2.91 - 3.35)\* |  |
| Marital status of household head/Ever married (Ref: Yes) |  |  |  |
| No | 0.92 (0.82 - 1.03) | 1.26(1.11 - 1.44)\* |  |
| Study point/Period (Ref: year 2007) |  |  |  |
| 2011 | 1.39 (1.32 - 1.46)\* | 1.63(1.53 - 1.73)\* |  |
| 2014 | 2.14 (2.03 - 2.25)\* | 2.96(2.79 - 3.14)\* |  |
| 2017-18 | 1.90 (1.80 - 2.00)\* | 2.65(2.50 - 2.81)\* |  |
| \*P < 0.05 | | |  |