**Supplementary Table 1: COVID-19 testing and positivity in the study villages and wards in a sub-district area of northern India**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Village/ Ward Code** | **Total Population** | **COVID-19 testing and cases n (%)** | | | | |
| **Tested** | **Positive** | **Hospitalized** | **Discharged** | **Died** |
| V1 | 7418 | 450 (6.1) | 200 (44.4) | 20 (10) | 20 (10) | 0 (0) |
| V2 | 4457 | 180 (4.0) | 1 (0.6) | 1 (100) | 1 (100) | 0 (0) |
| V3 | 4457 | 209 (4.7) | 8 (3.8) | 6 (75) | 6 (75) | 0 (0) |
| V4 | 3703 | 35 (0.9) | 2 (5.7) | 2 (100) | 2 (100) | 0 (0) |
| V5 | 3005 | 210 (7.0) | 5 (2.4) | 3 (60) | 3 (60) | 0 (0) |
| V6 | 2535 | 157 (6.2) | 4 (2.5) | 3 (75) | 4 (100) | 0 (0) |
| V7 | 2191 | 6 (0.3) | 4 (66.7) | 3 (75) | 4 (100) | 1 (25) |
| V8 | 2095 | 15 (0.7) | 2 (13.3) | 2 (100) | 2 (100) | 0 (0) |
| V9 | 1780 | 140 (7.9) | 2 (1.4) | 2 (100) | 2 (100) | 0 (0) |
| V10 | 1672 | 287 (17.2) | 2 (0.7) | 2 (100) | 2 (100) | 0 (0) |
| V11 | 1580 | 250 (15.8) | 1 (0.4) | 1 (100) | 1 (100) | 0 (0) |
| V12 | 1507 | 155 (10.3) | 0 (0.0) | NA | NA | NA |
| V13 | 1450 | 20 (1.4) | 1 (5.0) | 1 (100) | 1 (100) | 0 (0) |
| V14 | 1253 | 138 (11.0) | 4 (2.9) | 2 (50) | 4 (100) | 0 (0) |
| V15 | 1246 | 85 (6.8) | 1 (1.2) | 1 (100) | 1 (100) | 0 (0) |
| V16 | 1201 | 150 (12.5) | 1 (0.7) | 1 (100) | 1 (100) | 0 (0) |
| V17 | 1197 | 16 (1.3) | 2 (12.5) | 2 (100) | 2 (100) | 0 (0) |
| V18 | 1190 | 180 (15.1) | 2 (1.1) | 2 (100) | 2 (100) | 0 (0) |
| V19 | 1148 | 95 (8.3) | 4 (4.2) | 1 (25) | 1 (25) | 0 (0) |
| V20 | 1021 | 40 (3.9) | 2 (5.0) | 2 (100) | 2 (100) | 0 (0) |
| V21 | 826 | 35 (4.2) | 3 (8.6) | 3 (100) | 3 (100) | 0 (0) |
| V22 | 768 | 110 (14.3) | 2 (1.8) | 2 (100) | 2 (100) | 1 (50) |
| V23 | 760 | 38 (5.0) | 0 (0.0) | NA | NA | NA |
| V24 | 545 | 58 (10.6) | 0 (0.0) | NA | NA | 0 (0) |
| V25 | 539 | 3 (0.6) | 0 (0.0) | 0 (100) | NA | 0 (0) |
| W1 | 1595 | 70 (4.4) | 15 (21.4) | 15 | 12 (80) | 0 (0) |
| W2 | 1587 | 65 (4.1) | 7 (10.8) | 7 (100) | 2 (28.6) | 0 (0) |
| W3 | 1565 | 68 (4.3) | 1 (1.5) | 1 (100) | 0 (0) | 0 (0) |
| W4 | 1528 | 88 (5.8) | 8 (9.1) | 8 (100) | 5 (62.5) | 0 (0) |
| W5 | 1460 | 85 (5.8) | 11 (12.9) | 11 (100) | 8 (72.7) | 0 (0) |

V-Village; W-Ward; NA-Not applicable

**Supplementary Table 2: Availability of essential items during COVID-19 lockdown in 2020 in selected villages and wards in a sub-district area of northern India**

|  |  |  |  |
| --- | --- | --- | --- |
| **Availability of essential Items** | **Rural**  **n/N$ (%)\*** | **Urban**  **n/N$ (%)** | **Total**  **n/N$ (%)** |
| Drinking water | 82/83 (98.8) | 14/14 (100) | 96/97 (99.0) |
| Milk | 89/91 (97.8) | 14/14 (100) | 103/105 (98.1) |
| Vegetables | 88/91 (96.7) | 14/14 (100) | 102/105 (97.1) |
| Fruits | 88/91 (96.7) | 14/14 (100) | 102/105 (97.1) |
| Meat | 7/8 (87.5) | ND# | 7/8 (87.5) |
| Cooking gas | 80/83 (96.4) | 14/14 (100) | 94/97 (96.9) |
| Groceries | 86/88 (97.7) | 14/14 (100) | 100/102 (98.0) |
| Water-other than drinking purpose | 59/64 (92.2) | 0 | 59/64 (92.2) |
| Fodder | 45/46 (97.8) | NA\*\* | 45/46 (97.8) |
| Solid waste management | 63/86 (73.3) | 14/14 (100) | 77/100 (77.0) |
| Cleanliness of public places | 36/50 (72.0) | 14/14 (100) | 50/64 (78.1) |
| Disinfection of public places | 4/4 (100) | ND# | 4/4 (100) |
| Cleanliness of public toilets | 0/4 (0.0) | ND# | 0/4 (0.0) |
| PDS for BPL families | 11/12 (91.7) | 3/3 (100) | 14/15 (93.3) |

PDS-Public distribution system; BPL-Below poverty line; $Number of households enquired/Number of beneficiaries reported adequacy; \*Adequacy rate; # Not assessed; \*\* Not Applicable