**Prevalence of overweight and obesity among COVID-19 hospitalized patients in Southern region Noakhali & Laksmipur, Bangladesh**

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**Table ST 1:** Clinical sample collection questionnaire

**Questionnaire**

**Personal Details:**

|  |
| --- |
| GC of respondent/ Lab identification number: |
| Name of respondent (as per test at NSTU) |
| Mobile number: Own (Provided for test) |
| Family Member: |
| Permanent Address: |
| Present Address: |
| Code Number: |
| Do you consent to participate in the study: Yes/No |
| Interviewer Signature with date: |

**1. Socio-demographic information:**

|  |  |  |
| --- | --- | --- |
| Question and filters | Response |  |
| 1.1 | Age | …………..Years |
| 1.2 | Gender (Put √ on your answer) | 1 = Male  2 =Female |
| 1.3 | Marital Status (Put √ on your answer) | 1 = Married  2 = Unmarried  3 = Widow/ Widower  4 = Divorce |
| 14 | Educational Status (Put √ on your answer) | 1 = No formal education  2 = Primary education  3 = Secondary education  4= Higher secondary  5 = Bachelor or above |
| 1.5 | Occupation (Please write) |  |
| 1.6 | Living area (Put √ on your answer) | 1= Rural  2 = Semi Urban  3 = Urban |
| 1.7 | Average monthly family income (Please write) |  |
| 1.8 | Number of family members (Please write) |  |

**2. Covid-19 related information:**

Before Starting, please mention your Blood group:

|  |  |  |
| --- | --- | --- |
| 2.1 | When did you diagnose COVID Positive? (Please write the date) |  |
| 2.2 | How long you were in isolation? (Please write) | ………….days |
| 2.3 | Had you been admitted to the hospital? (If yes, mention the duration….days) | 1=Yes  2=No  (if yes, mention the duration ………..days) |
| 2.4 | Days from symptom onset to hospital admission (Please write) | ………….days |
| 2.5 | Diagnosed COVID-19 in the family? (Put √ and write your answer) If Yes, mention the number of affected family members…) | 1=Yes  2=No  (if yes, mention the number of your affected family members……………..) |
| 2.6 | Diagnosed COVID-19 in the community? (Put √ on your answer) | 1=Yes  2=No |
| 2.7 | Diagnosed COVID-19 in the working area? (Put √ on your answer) | 1=Yes  2=No |
| 2.8 | Did you have a smoking history before diagnosed COVID positive? (Put √ on your answer) | 1=Yes  2=No |
| 2.9 | Did you have a travel history before diagnosed COVID positive? (Put √ on your answer) | 1=Yes  2=No  (If yes, mention the name of the country……….) |
| 2.10 | Did you visit the lockdown area/affected area in Bangladesh before diagnosed COVID positive? (Put √ and write your answer) | 1=Yes  2=No  (If yes, mention the name of the area……….) |
| 2,11 | What kinds of treatment you have received during COVID-19 status? 1= Medicine 2 = Ventilation 3= Oxygen supplementation | 1= Medicine  2= Ventilation  3=Oxygen supplementation |
| 2.12 | Did you have to admit in ICU for COVID-19? | 1=Yes  2=No |
| 2.13 | Did you receive COVID-19 vaccine?  (If yes, write vaccine name and doses) | 1=Yes  2=No |

**3. COVID-19 Symptoms: What were your symptoms? (Put √ on your answer)**

|  |  |  |
| --- | --- | --- |
| 3.1 Fever | 1=Yes | 2=NO |
| 3.2 Cough | 1=Yes | 2=NO |
| 3.3 Fatigue | 1=Yes | 2=NO |
| 3.3 Fatigue | 1=Yes | 2=NO |
| 3.4 Sputum production/ Expectoration | 1=Yes | 2=NO |
| 3.5 Headache | 1=Yes | 2=NO |
| 3.6 Diarrhoea | 1=Yes | 2=NO |
| 3.7 Myalgia | 1=Yes | 2=NO |
| 3.8 Sore throat /Pharyngalgia | 1=Yes | 2=NO |
| 3.9 Shortness of breath | 1=Yes | 2=NO |
| 3.10 Nausea or vomiting | 1=Yes | 2=NO |
| 3.11 Chill  3.12 Runny nose (Rhinorrhoea) | 1=Yes | 2=NO |
| 3.13 Dyspnea | 1=Yes | 2=NO |
| 3.14 Anorexia | 1=Yes | 2=NO |
| 3.15 Dizziness | 1=Yes | 2=NO |
| 3.16 Anosmia | 1=Yes | 2=NO |
| 3.17 Body Pain | 1=Yes | 2=NO |

**4. Self-administered Co-morbidity Questionnaire**

(If you have any of this following comorbid disease, please put √ on it. You may have multiple diseases; you can put √ on multiple points.)

|  |  |  |
| --- | --- | --- |
|  | Do you have the problem? | |
| **Problem** | No (0) | Yes (1) |
| Heart Disease | N | Y |
| High Blood Pressure | N | Y |
| Lung Disaese | N | Y |
| Diabetes | N | Y |
| Ulcer and Stomach Disease | N | Y |
| Kidney Disease | N | Y |
| Anaemia or other blood disease | N | Y |
| Cancer | N | Y |
| Depression | N | Y |
| Osteoarthritis, Degenerative arthritis | N | Y |
| Back Pain | N | Y |
| Rheumatoid Arthritis | N | Y |
| Other Medical Conditions (Specify) | N | Y |
| Medication taken | N | Y |

**5. WHO Clinical Progression Scale:**

|  |  |  |
| --- | --- | --- |
| Patient Status | Descriptor | Score |
| Uninfected | Uninfected; no viral RNA detected | 0 |
| Ambulatory mild disease | Asymptomatic ;viral RNA detected | 1 |
| Symptomatic ;independent | 2 |
| Symptomatic ;assistance needed | 3 |
| Hospitalised : moderate disease | Hospitalised ;no oxygen therapy | 4 |
|  | oxygen by mask or nasal prongs | 5 |
| Hospitalised : severe disease | Hospitalised; oxygen by NIVor high flow | 6 |
|  | Intubation and mechanical ventilation,Po2/Fio2>- 150 | 7 |
| Dead | Dead | 8 |

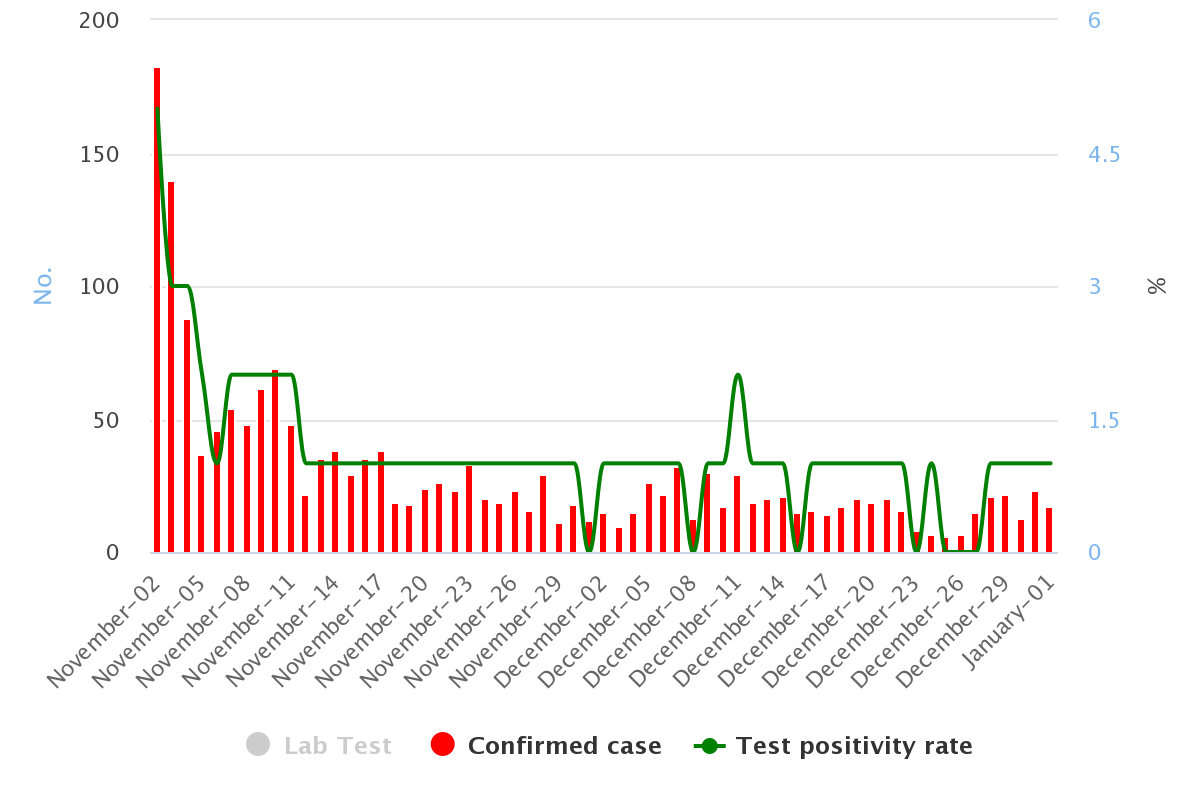
**Table ST 2:** PCR conditions, cycling, gel run condition

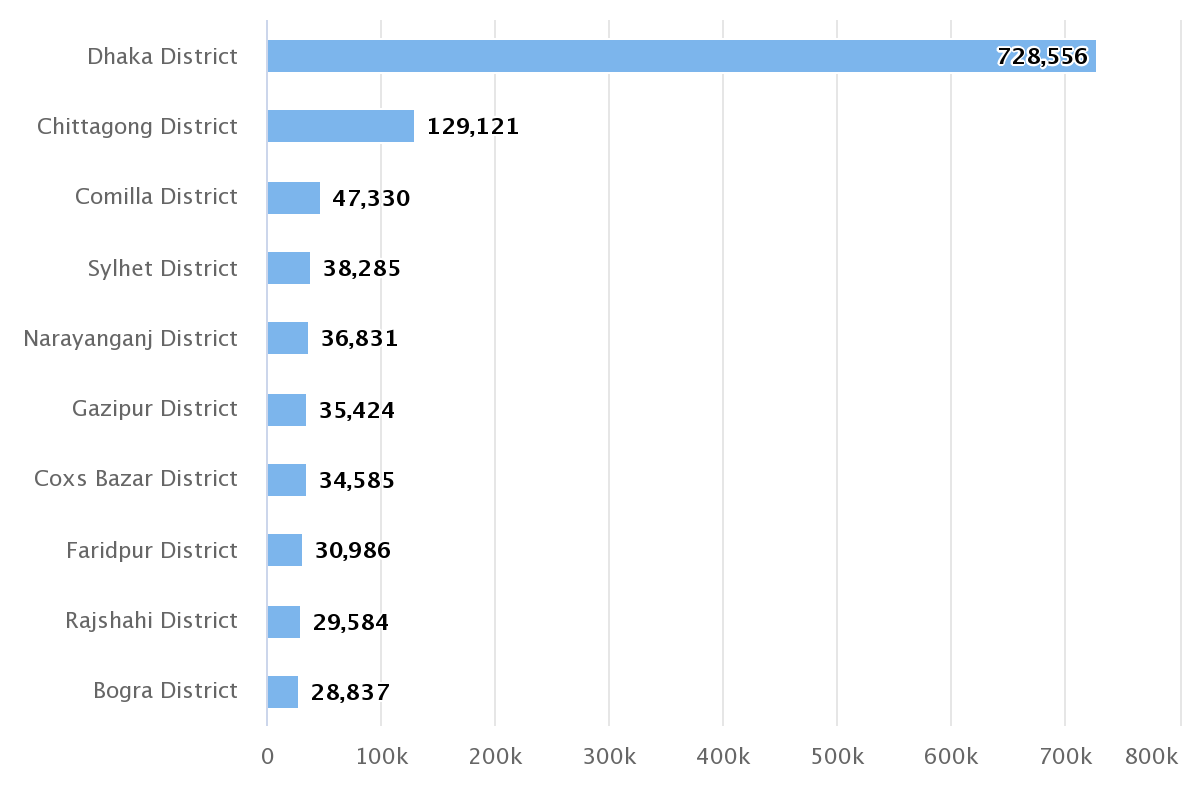
|  |  |
| --- | --- |
| **Master mix** | |
| Reaction mix : 10ul | |
| RT-enzymemix : 1ul | |
| \_F : 0.8ul | |
| \_R : 1.2ul | |
| Template : 7ul | |
|  | |
|  | |
| **RT-qPCR conditions** | |
| Temperature | Time |
| RT 55°C  Initialdenaturation 95°C | 12 min  1 min |
| **Cycling part (40 cycles):** | |
| Denaturation 95°C  Annealing 58°C  Extension 60°C | 30sec  45sec  1 min |
|  | |
| Finalextension 60°C  Hold 4°C | 7.5 min  ∞ |
|  | |
|  | |
| **Gel Run** | |
| Gelconcentration : 2% agarose Gelvolume : 60ul  Dye : EthidiumBromide | |
|  | |
| Ladder : 50bp , 6-7ul /well PCRproduct : 5ul/well | |
|  | |
| Voltage : 80V  Current : 150 mA  Time : 40 min | |

**Supplementary Figures:**



**Supplementary Fig 1:** Results analysis of samples collected from hospitalized positive patient's (A) Positive Clinical sample previously confirmed as positive as it carried two of SARS-CoV-2 genes (B) Positive patient sample as it carried two of SARS-CoV-2 genes (C) This graph of CT values were used as positive control based on presence of the three gens where (D) used as a negative control samples.





Supplementary Figure 2: COVID-19 status of Bnagladesh