Appendix 1

1.1 Frequency of responses n (%) given by participants in Knowledge section (N=353)

1. What is the causative organism of COVID -19?

□ Bacteria- 1 (0.3)

□ Virus - 351 (99.4)

□ Fungi- 0 (0)

□ I don’t know- 1 (0.3)

1. What is/are source of infection of COVID -19?

□ An infected person- 190 (53.8)

□ Animals/Birds- 10 (2.8)

□ Both of them- 152 (43.1)

□ I don’t know- 1 (0.3)

1. What are possible modes of transmission of COVID-19? (multiple options)

Droplets during coughing, sneezing from an infected person

□Yes- 332 (91.2)

□ No – 31 (8.8)

Close contact with an infected person

□Yes – 238 (67.4)

□ No – 115 (32.6)

Touching contaminated surfaces

□Yes – 218 (61.8)

□ No – 135 (38.2)

Airborne transmission

□Yes – 117 (33.1)

□ No – 236 (66.9)

Consuming meat products

□Yes- 34 (9.6)

□ No- 319 (90.4)

I don’t know – 0 (0)

1. Do you know in which age group the disease is found to be more severe? (multiple options)

Neonates and children

□Yes- 84 (23.8)

□ No – 269 (76.2)

Young and middle aged adults

□Yes – 24 (6.8)

□ No – 329 (93.2)

Elderlies

□Yes – 250 (70.8)

□ No – 103 (29.2)

Patients with underlying chronic diseases

□Yes – 242 (68.6)

□ No – 111 (31.4)

I don’t know 3 (0.8)

1. What is incubation period of COVID- 19?

□ Less than 7 days- 3(0.8)

□ About 14 days – 337 (95.5)

□ About 21 days – 13 (3.7)

□ I don’t know- 0 (0)

1. Which of the following symptoms are due to COVID- 19? (multiple options)

sorethroat

□Yes- 224 (63.5)

□ No- 29 (36.5)

cough

□Yes- 273 (77.3)

□ No – 80 (22.7)

runny nose

□Yes – 159 (45)

□ No – 194 (55)

fever

□Yes – 333 (94.3)

□ No – 20 (5.7)

shortness of breath

□Yes- 292 (82.7)

□ No – 61 (17.3)

bodyache and headaches

□Yes – 198 (56.1)

□ No – 155 (43.9)

GI symptoms like diarrhea and vomiting

□Yes – 104 (29.5)

□ No – 249 (70.5)

I don’t know- 0 (0)

1. Which of the following complications do you think COVID-19 could cause? (multiple options)

acute kidney injury

□Yes -68 (19.3)

□ No – 285 (80.7)

acute respiratory distress syndrome

□Yes – 327 (92.6)

□ No – 26 (7.4)

myocarditis

□Yes - 46 (13)

□ No – 307 (87)

multiple organ failure

□Yes – 118 (33.4)

□ No – 235 (66.6)

death

□Yes – 172 (48.7)

□ No – 181 (51.3)

I don’t know – 0 (0)

1. Do you think asymptomatic carriers in subclinical stage can spread the disease?

□ Yes – 325 (92.1)

□ No – 13 (3.7)

□ I don’t know – 15 (4.2)

1. Do you think mild cases of COVID-19 that improves in few days on its own; need to be isolated?

□ Yes – 334 (94.6)

□ No - 17 (4.8)

□ I don’t know – 2 (0.6)

1. Are there treatments for COVID -19?

□Yes – 87 (24.6)

□ No – 240 (68)

□ I don’t know - 26 (7.4)

1. Do you think COVID-19 cases can be treated at home?

□ Yes – 142 (40.2)

□ No – 202 (57.2)

□ I don’t know – 9 (2.5)

1. Do you think antibiotics are treatment of choice for COVID- 19?

□ Yes – 70 (19.8)

□ No – 260 (73.7)

□ I don’t know – 23 (6.5)

1. Are there vaccines for COVID- 19?

□ Yes – 7 (2.0)

□ No – 331 (93.8)

□ I don’t know – 15 (4.2)

1. Which of the following tests should be done for diagnosing COVID -19 infections? (multiple options)

Real time PCR with respiratory material (oropharyngeal or nasopharyngeal swab, tracheal aspirate or bronchoalveolar lavage)

□ Yes – 322 (91.2)

□ No – 31 (8.8)

Real time PCR with serum sample

□ Yes – 93 (26.3)

□ No – 260 (73.7)

Chest XRAY

□ Yes – 102 (28.9)

□ No – 251 (71.1)

I don’t know – 3 (0.8)

1. Have you received any training on infection prevention related to COVID-19?

□ Yes – 43 (12.2)

□ No – 310 (87.8)

1. In case you have to come in contact with a suspected COVID-19 case, do you know how to use personal protective equipment?

□ Yes – 240 (68)

□ No – 113 (32)

1. Do you know the precautionary measures to be taken during aerosol generating procedures like endotracheal intubation, noninvasive ventilation, tracheostomy, cardiopulmonary resuscitation etc on COVID-19 patients?

□ Yes – 188 (53.3)

□ No – 165 (46.7)

1. Do you know what you should do if you develop symptoms and signs suggestive of COVID-19?

□ Yes – 323 (91.5)

□ No – 30 (8.5)

1.2. Frequency of responses n (%) given by participants in attitude section (N=353)

1. Do you worry about getting COVID-19?

□ Yes- 297 (84.1)

□ No- 56 (15.9)

1. Are you scared that you might be transmitting it to your family members?

□ Yes- 293 (83)

□ No – 60 (17)

1. Has your daily life been affected with COVID-19 pandemic?

□ Yes – 300 (85)

□ No – 53 (15)

1. Do you think hand washing with soap and water frequently and practicing respiratory etiquette would protect you from virus?

□Yes – 308 (87.3)

□ No – 35 (9.9)

□ I don’t know – 10 (2.8)

1. Do you think wearing a mask would protect you from the virus?

□ Yes – 253 (71.7)

□ No – 86 (24.4)

□ I don’t know – 14 (4.0)

1. Will you take vaccine for COVID-19 if they are made available?

□ Yes – 315 (89.2)

□ No – 38 (10.8)

1. Do you follow news regarding COVID -19 regularly?

□ Daily – 294 (83.3)

□ Sometimes - 59 (16.7)

□ Never- 0 (0)

1. Which of the following sources have you used for COVID -19 information? (multiple options – this question was not scored)

Official National and international sites

□ Yes – 268 (75.9)

□ No - 85 (24.1)

Social media (facebook and others)

□ Yes – 237 (67.1)

□ No – 116 (32.9)

Newspapers and written media

□ Yes – 112 (31.7)

□ No – 241 (68.3)

Television and radio

□ Yes – 199 (56.4)

□ No – 154 (43.6)

Colleagues

□ Yes – 116 (32.9)

□ No – 237 (67.1)

Academic trainings

□ Yes – 45 (12.7)

□ No – 308 (87.3)

None of the above – 0 (0)

1. Do you think the preparedness in your institution is sufficient to manage COVID-19 outbreak?

□ Yes – 71 (20.1)

□ No – 268 (75.9)

□ I don’t know – 14 (4.0)

1. Do you think current medical supplies and PPE are sufficient for the possible COVID-19 outbreak in your community?

□ Yes – 24 (6.8)

□ No – 323 (91.5)

□ I don’t know – 6 (1.7)

1. To what extent are you confident that you would be able to handle COVID-19 patients in your setup?

□ not at all - 162 (28.9)

□ to some extent – 179 (50.7)

□ to considerable extent – 56 (15.9)

□ to great extent – 16 (4.5)

1.3. Frequency of responses n (%) of participants in practice section (N=353)

1. While coughing and sneezing ,

Do you cover your mouth and nose with elbow or tissue or handkerchief?

□ Yes – 351 (99.4)

□ No – 2 (0.6)

Do you throw the tissue you use safely in a dustbin?

□ Yes – 347 (98.3)

□ No – 6 (1.7)

Do you wash your hands after sneezing or coughing?

□ Yes – 334 (94.6)

□ No – 19 (5.4)

Do you spit in public area?

□ Yes – 48 (13.6)

□ No – 305 (86.4)

1. How often do you wash your hands or use alcohol based sanitizer?

Only when I feel its dirty like I have always been doing

□ Yes – 54 (15.3)

□ No – 299 (84.7)

When I feel I have touched contaminated surface and objects

□ Yes – 262 (74.2)

□ No – 91 (25.8)

After touching or shaking hands with others

□ Yes – 157 (44.5)

□ No – 196 (55.5)

Atleast every hour

□ Yes – 122 (34.6)

□ No – 231 (165.4)

1. Which of the following have you been practicing to prevent transmission of COVID-19 infection in your setup?

Frequent hand washing and use of alcohol based sanitizers

□ Yes – 336 (95.2)

□ No – 17 (4.8)

Eating well cooked foods

□ Yes – 208 (58.9)

□ No – 145 (41.1)

Putting masks on suspected COVID 19 patients

□ Yes – 227 (64.3)

□ No – 126 (35.7)

Protective clothing and masks to health staff

□ Yes – 198 (56.1)

□ No – 155 (43.5)

Routine disinfection of surfaces that comes in contact of suspected COVID-19 cases

□ Yes – 170 (48.2)

□ No – 183 (51.8)

Placing suspected patients in adequately ventilated single rooms

□ Yes – 155 (43.9)

□ No – 198 (56.1)

Avoiding unnecessary moving of patients

□ Yes – 184 (52.1)

□ No – 169 (47.9)

4. What type of mask are you wearing most of the time? (This question was not scored)

□ Cloth mask – 39 (11)

□ Surgical mask – 288 (81.6)

□ Respirators – 26 (7.4)

1. Do you dispose your mask when it becomes moist or after 8 hours of work?

□ Yes – 256 (72.5)

□ No – 97 (27.5)

1. Do you think you are using your masks correctly?

□ Yes – 291 (82.4)

□ No – 62 (17.6)

1. Do you notify a suspected COVID -19 case to authority?

□ Yes – 242 (68.6)

□ No – 111 (31.4)

1. If you have flu like symptoms, do you avoid normal activities?

□Yes – 209 (59.2)

□ No – 144 (40.8)

1. Are you practicing social distancing of atleast 1 meter (3 feet)?

□ Yes – 300 (85)

□ No – 53 (15)

1. Have you been following a protocol for triage and isolation of suspected COVID-19 cases in your workplace?

□ Yes - 249 (70.5)

□ No – 70 (19.8)

□ I don’t know – 34 (9.6)