Appendix 1. Baseline characteristics of hospitals reporting HCP with COVID-19

|  |  |
| --- | --- |
| Characteristics | N=38 |
| Hospital type  |  |
|  University-based hospital | 5 (13.2) |
|  University-affiliated hospital |  3 (7.9) |
|  Public hospital |  7 (18.4) |
|  Private hospital |  23 (60.5) |
| Hospital type by function\* |  |
|  Specialty hospital |  7 (18.4) |
|  General hospital |  22 (60.5) |
|  Regional medical care support hospital  |  8 (21.1) |
|  Long-term care facility |  1 (2.6) |
| Hospitals designated by the Japanese government for the treatment and containment of specific infectious diseases. |  9 (23.7) |
| Number of beds, median (range) | 398 (41-1153) |
|  < 200 |  19 (50.0) |
|  ≧200 |  19 (50.0) |
| Available hospital service |  |
| Emergency department |  34 (89.5) |
| Intensive care unit  |  11 (29.0) |
| Infection control department  |  34 (89.5) |
| Division of infectious diseases  |  14 (36.8) |
| Designated clinic(s) for patients with suspected COVID-19 |  26 (68.4) |

**NOTE.** Data are presented as a number (%) unless otherwise specified.

Abbreviations: HCP, Health care personnel; COVID-19, coronavirus disease 2019

\* Hospital type by function is defined by the Japanese ministry of health, labour and welfare.

<https://www.mhlw.go.jp/english/wp/wp-hw4/dl/health_and_medical_services/P39.pdf>

Appendix 2. Baseline characteristics of healthcare personnel with COVID-19

|  |  |
| --- | --- |
| Characteristics | N=284 |
| Age, year, median (range) | 32 (20-81) |
| Female sex | 211 (74.3) |
| Occupation  |  |
|  Physician | 76 (26.8) |
|  Nurse | 141 (49.6) |
|  Caregiver assistant |  22 (7.7) |
| Laboratory technician |  1 (0.4) |
| Radiology technician |  6 (2.1) |
| Physiotherapist |  9 (3.2) |
| Pharmacist |  1 (0.4) |
| Administrative personnel  | 14 (4.9) |
|  Others | 14 (4.9) |
| Involved in direct patient care for patients with COVID-19 | 155 (54.6) |
| Mode of transmission of COVID-19 reported by questionnaire respondents  |  |
|  Community acquisition | 42 (14.8) |
|  Acquisition from family members | 13 (4.6) |
|  In-facility (nosocomial) transmission from infected hospitalized patients or infected colleague | 192 (67.6) |
|  Unknown | 37 (13.0) |
| Disposition after COVID-19 diagnosis |  |
|  Home quarantine | 71 (25.0) |
|  Hospitalization in medical ward | 183 (64.4) |
|  Hospitalization in the intensive care unit  | 0 |
|  Designated housing facility | 30 (10.6) |
| Outcome  |  |
|  Cure and return to work | 267 (94.0) |
|  Cure and suspension from work | 8 (2.8) |
|  Cure and retirement | 4 (1.4) |
|  Hospitalization or home quarantine at the time of survey | 6 (2.1) |
|  Death | 0 |

**NOTE.** Data are presented as a number (%) unless otherwise specified.

Abbreviations: HCP, Health care personnel; COVID-19, coronavirus disease 2019

Appendix 3. Open-ended narrative replies from respondents

|  |  |
| --- | --- |
| Contents | N=38 |
| Disruptive actions by other hospitals (e.g., refusal of patient transfer)  |  8 (21.1) |
| Children of affected HCP barred from entering nurseries or schools. |  6 (15.8) |
| Children of affected HCP bullied at daycare centers or schools |  4 (10.5) |
| Affected HCP bullied by neighbors | 2 (5.3) |
| Refusal of employing hospital to allow HCP to continue work | 2 (5.3) |
| Refusal of employers to allow family members of affected HCP to work | 2 (5.3) |
| Anonymous nuisance calls  | 2 (5.3) |
| Refusal to allow locum tenens to work at hospital  | 2 (5.3) |
| Corona Extra® sent to hospital anonymously  | 1 (2.6) |
| Inquiries about contracting COVID-19 from HCP aimed at eliciting personal information about affected HCP | 1 (2.6) |
| Physical assaults on infected HCP | 1 (2.6)  |
| Mental stress caused by fear of transmitting virus | 1 (2.6) |
| Mobbing by media reporters at hospital entrance | 1 (2.6) |

**NOTE:** Data are presented as a number (%) unless otherwise specified.

Abbreviation: HCP, health care personnel; COVID-19, coronavirus disease 2019