



# COVID-19 knowledge, attitudes, and practices among health care workers in Latin America

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**Table S1.** Characteristics of the respondents (N = 251) by score in the attitude section.<sup>a</sup>

Characteristic	Attitude score <sup>b</sup>		p
	Low (< 43 points) (n = 107)	High (≥ 43 points) (n = 124)	
Age, years	48 ± 13	47 ± 13	0.79
Profession			
Physician	95 (89)	101 (81)	0.17
Respiratory therapist/physiotherapist	9 (8)	17 (14)	0.23
Nurse	3 (3)	1 (1)	0.51
Experience, years	20 [12-31]	20 [11-30]	0.71
Hospital type			0.16
Public	55 (51)	67 (55)	
Private	30 (28)	33 (27)	
University	11 (10)	8 (7)	
Mixed	7 (7)	12 (10)	
Philanthropic	0 (0)	2 (2)	
Other	4 (4)	0 (0)	
Currently working in a hospital or clinic	98 (92)	110 (89)	0.52
Direct care for COVID-19 patients	95 (90)	106 (86)	0.56
Working in the ICU	27 (25)	35 (28)	0.71
Working in the ER	18 (17)	33 (27)	0.10
Resident/Fellow	8 (8)	4 (3)	0.23
Researcher	11 (10)	8 (7)	0.42
Academic supervisor	26 (24)	22 (18)	0.29
Chief of staff	11 (10)	16 (13)	0.68
Director	5 (5)	3 (2)	0.48
Previously tested positive for COVID-19	10 (9)	24 (17)	0.05
Institutional training on COVID-19	83 (78)	99 (80)	0.80

<sup>a</sup>Values expressed as n (%), mean ± SD, or median [IQR]. <sup>b</sup>Attitude score was dichotomized based on median.

**Table S2.** Characteristics of health care institutions<sup>a</sup>

Number of hospital beds	126 [65-258]
Number of ICU beds	16 [10-34]
Beds for COVID-19 patients	77 (98)
Number of ICU beds for COVID-19 patients	40 [12-120]
Number of ICU mechanical ventilators	15 [9-25]
Number of extra mechanical ventilators (out of ICU)	4 [1-10]
Additional beds for COVID-19 patients	83 (53)
Additional mechanical ventilators	50 (63)
Number of additional mechanical ventilators	9 [4-20]
Number of HFNCs	3 [0-10]
Number of CPAP equipment	5 [1-10]
Number of noninvasive mechanical ventilators	5 [1-11]
Number of invasive mechanical ventilators	20 [13-39]
Number of physicians	50 [28-175]
Number of nurses	100 [73-565]
Number of physiotherapists/respiratory therapists	8 [2-20]
Newly hired physicians	103 (66)
Newly hired nurses/physiotherapists	103 (66)
Screening to allocate mechanical ventilators	34 (77)
Nonconventional mechanical ventilators	17 (40)
Nonconventional noninvasive mechanical ventilators	16 (39)
Use of one ventilator for two patients	2 (5)
PPE training	125 (80)
Lack of PPE	70 (44)
Access to testing	122 (78)
RT-PCR	102(84)
IgG	61 (50)
IgM	56 (46)
Institutions with physicians infected with COVID-19	124 (79)
Number of physicians infected per institution	6 [3-13]
Number of physicians who required mechanical ventilation per institution	0 [0-2]
Number of physicians who died per institution	0 [0-0]
Institutional policy to remove at-risk professionals from frontline work	
HCWs	155 (73)
General practitioner	107 (94)
Specialized physician	103 (97)
Psychological support offered to HCWs	80 (51)
Occupational health services available to HCWs	110 (71)

HFNC: high-flow nasal cannula; PPE: personal protective equipment; and HCW: health care worker. <sup>a</sup>Values expressed as n (%) or median [IQR].

**Table S3.** Availability of diagnostic imaging in the institution.

Diagnostic imaging	No	Restricted	Unrestricted
Chest radiography	6 (4%)	65 (42%)	85 (55%)
Ultrasound	34 (22%)	62 (40%)	60 (39%)
CT	20 (13%)	58 (37%)	78 (50%)

**Table S4.** Workload.

Professional	Sufficient, with idle capacity	Sufficient, no overload	Sufficient but overloaded	Insufficient for actual situation	Insufficient and reduced team
Physicians	13 (9%)	46 (30%)	41 (27%)	39 (26%)	14 (9%)
Nurses/physiotherapists	12 (8%)	37 (25%)	46 (31%)	37 (25%)	18 (12%)

**Table S5.** Availability and use of personal protective equipment in accordance with the WHO recommendations.

Personal protective equipment	Always	Sometimes	Partially	Almost never	No
Availability	47 (30%)	62 (40%)	34 (22%)	12 (8%)	2 (1%)
Use	46 (29%)	68 (43%)	33 (21%)	8 (5%)	2 (1%)

**Table S6.** Employees’ access to personal protective equipment.

Type	Always	Sometimes	Never	Do not know
N95 respirator	100 (64%)	53 (34%)	5 (3%)	0 (0%)
Surgical mask	126 (81%)	28 (18%)	2 (1%)	0 (0%)
Face shield	100 (64%)	39 (25%)	16 (10%)	2 (1%)
Goggles	90 (59%)	48 (32%)	12 (8%)	3 (2%)
Gloves	142 (92%)	13 (8%)	0 (0%)	0 (0%)
Impermeable coverall	58 (37%)	69 (45%)	26 (17%)	3 (2%)
Impermeable gown	88 (57%)	52 (34%)	13 (8%)	5 (3%)
Acrylic chamber	59 (38%)	38 (24%)	43 (28%)	17 (11%)
Video-assisted laryngoscope	41 (26%)	42 (27%)	59 (38%)	15 (10%)