

### Appendices

**Table 1** Summary of the Colombian National Guidelines for Diagnosis and Management of COVID-19 by Severity

Severity	Moderate	Severe	Critical
<b>Definition</b>	1. Mild pneumonia with mild dyspnea and oxygen saturation > 90% with supplemental oxygen (2 liters/minute)	1. Respiratory rate > 30 or 2. Oxygen saturation < 93% or 3. PaO <sub>2</sub> /FiO <sub>2</sub> <300 or pulmonary infiltrates >50% in 24 to 48 hours.	1. Respiratory failure, septic shock and multiorgan failure.
<b>Blood component</b>	Red blood cell transfusion in the case of hypoperfusion secondary to anemia.		
<b>Laboratory tests</b>	Every 48-72 hours or less		
<b>Medical Staff</b>	X		
<b>Supplies</b>	X		
<b>Surgery room</b>	X		
<b>Hospitalization</b>	X		
<b>Diagnostic images</b>	X		
<b>Medications</b>	1. Analgesics 2. Opioids 3. Antipsychotics	<b>Additionally,</b> 1. Antibiotics	<b>Additionally,</b> 1. Anesthetics 2. Neuromuscular blocking agents 3. Atropine in case of resuscitation

			4. Vasoactive or inotropic drugs 5. Thromboprophylaxis
<b>Specific procedures (materials):</b>			1. Orotracheal intubation 2. Hemodynamic and/or ventilator monitor 3. PICCO 4. Catheters
<b>Other procedures</b>	X	X	
<b>Surgery procedures</b>			X

**Abbreviations:** PaO<sub>2</sub>/FiO<sub>2</sub>, partial pressure of oxygen in arterial blood / fraction of inspiratory oxygen concentration; PICCO, Pulse contour cardiac output

**Table 2** COVID-19 Baskets: Treatment Categories and Resource Utilization Estimates (Costs were adjusted into Purchasing Power Parity (PPP) 2020)

<b>Setting</b>	<b>Definition</b>	<b>Estimated Days</b>	<b>Maximum reference value to be paid</b>
<b>General ward</b>	Estimated hospitalization of 5 days in a regular ward for general and specialized medical care, interdisciplinary care, performance of diagnostic tests, and medication. As per medical instruction and in compliance with INS guidelines, a repeat RT-PCR test will be conducted. With a daily cost of US \$231, payment for days 1 to 5 will be covered at 100%, days 6 to 10 at 75%, and day 11 onwards at 65%.	5	<b>3,237</b>
<b>IMCU</b>	Estimated hospitalization of 10 days in the intermediate care unit for general and specialized medical care, interdisciplinary care, performance of diagnostic tests, medication, and ventilatory support. As per medical instruction and in compliance with NIH guidelines, a repeat RT-PCR test will be conducted. With a daily cost of US \$ 421, payment for days 1 to 7 will be covered at 100%, days 8 to 10 at 75%, and day 11 onwards at 65%.	10	<b>11,774</b>
<b>ICU</b>	Estimated hospitalization of 14 days in the intensive care unit for specialized medical care, interdisciplinary care, performance of diagnostic tests, medication, and mechanical ventilation. As per medical instruction and in compliance with INS guidelines, a repeat RT-PCR test will be conducted. With a daily cost of US \$ 666,	14	<b>22,082</b>

	payment for days 1 to 7 will be covered at 100%, days 8 to 10 at 75%, and day 11 onwards at 65%.		
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**Abbreviations:** RT-PCR, reverse transcription polymerase chain reaction; IMCU, intermediate medical care unit; NIH, national institute of health; ICU, intensive care unit

**Table 3** Adjusted direct medical costs of inpatients with COVID-19 (Costs were adjusted into Purchasing Power Parity (PPP) 2020)

<b>Variables</b>	<b>Final Adjusted Model</b>	<b>Standard Errors</b>
<b>Severe</b>	9,538*	3,816
<b>Critical</b>	26,303**	2,819
<b>Age</b>	-1,343	1,891
<b>Age<sup>2</sup></b>	34.6	33.6
<b>Age<sup>3</sup></b>	- 0.252	0.19
<b>Gender</b>	-1,518	2,373
<b>Discharge status</b>	-4,122	3,208
<b>January</b>	12,440	11,190
<b>February</b>	55,003	32,544
<b>March</b>	8,070	16,492
<b>April</b>	-9,213	31,897
<b>May</b>	-21,913	31,842
<b>June</b>	-22,449**	6,792
<b>July</b>	-25,355**	5,480
<b>August</b>	-17,406**	5,500
<b>September</b>	7,531	5,816
<b>October</b>	-12,748*	5,528
<b>November</b>	-11,493*	5,805
<b>December</b>	-	(omitted)
<b>Constant</b>	40,655	34,367
<b>Observations</b>	789	
<b>AIC</b>	23.57	

\*\* p<0.01, \* p<0.05

Model regressed on several predictor variables, including disease severity, age-related terms, gender, discharge status, and month indicators.