

#### OBJECTIVE

 To assess progress in the development of Infection Preven and Control (IPC) Program in Latin America

#### METHODS



Self-assessment of **IPC** activities



36 acute care hospitals



Guatemala, Pana Ecuador, and Arge

- A self-assessment tool (Spanish version) adapted from the Health Organization (WHO) Infection Prevention and Contro Assessment Framework (IPCAF) was distributed through a research network to hospitals in Latin America
- Evaluations were completed in March 2022
- Per the instrument, facility IPC program implementation is categorized into four levels based on the final score: inadequ (0–200), basic (201–400), intermediate (401–600), or advan (601–800).
- Overall median scores were calculated as well as by compo
- For each question, we estimated the proportion of hospitals met criteria (partially or completely) stratified by private and hospitals

### RESULTS

- 21 public and 14 private hospitals completed the evaluation response rate)
- 57% of hospitals fell in the "advanced", 40% in the "intermed and 3% in the "basic" category
- More detailed results are shown in the **Table** and **Figure**
- IPC education and training, workload, staffing and bed occup had the lowest median scores.

# Assessment of Infection Prevention and Control Programs in Acute Care Facilities in Central and South America Rodolfo Quirós, MD, MSc, MBA, PhD<sup>1,2\*</sup>; Clare Rock, MD<sup>3,4</sup>; Valeria Fabre, MD<sup>3,4</sup> evaluar <sup>1</sup>PROAnet Project Lead, Buenos Aires, Argentina. <sup>2,3</sup> Department of Medicine, Division of Infectious Diseases,

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Questions		Percent of with	
Component 1: IPC program		Private	
oes the IPC team include both doctors and nurses?		100%	
o you have an IPC committee actively supporting the I	PC team?	100%	
)o you have clearly defined IPC objectives?		73%	
oes the senior facility leadership show clear commitme	ant and support for the IPC program?	79%	
omnonent 2. IPC quidelines	and support for the first program?	1370	
oes your facility have guidelines available for outbreak	management and preparedness?	64%	
oes your facility have guidelines available for preventic	n of surgical site infection?	71%	
oes your facility have guidelines available for Preventio	on of transmission of multidrug resistant nathogens?	70%	
loos your facility have guidelines available for Preventio	are worker protection and sefetu?	0.60/	
bes your facility have guidelines available for health ca	abial Stowardship?	00%	
re relevant stakeholders involved in the development a	and adaptation of IPC quidelines in addition to IPC	95%	
ersonnel?	and adaptation of a cogulacimes in addition to in o	93%	
omponent 3: IPC education and training			
re there personnel with the IPC expertise (in IPC and/o	or infectious diseases) to lead IPC training?	100%	
re there additional non-IPC personnel with adequate sl	kills to serve as trainers and mentors?	86%	
sthere specific IPC training for patients or family memo	ers to minimize the potential for health care-	57%	
component 4: Health care-associated infection (HAI	) surveillance		
to you have personnel responsible for surveillance active the professionals responsible for surveillance active the professional survei	/Itles? vities been trained in basic enidemiology	100%	
urveillance, and IPC	nies been trained in basic epidennology,	93%	
o you have informatics/IT support to conduct your surv	eillance?	93%	
the local context?	the HAIS to be targeted for surveillance according	100%	
o you have processes in place to regularly review data	quality?	79%	
re surveillance data used to make tailored unit/facility-l	based plans for the improvement of IPC practices?	93%	
re surveillance data shared at the national level?		86%	
low do you feedback up-to-date surveillance informatio	n? (at least annually)	88%	
omponent 5: Multimodal strategies for implementa	tion of IPC interventions		
o you use multimodal strategies to implement IPC inte	rventions?	100%	
System change		68%	
Education and training		79%	
<ul> <li>Monitoring and feedback</li> </ul>		79%	
o you regularly link to colleagues from quality improver nultimodal strategies?	ment and patient safety to develop and promote IPC	93%	
omponent 6: Monitoring/audit of IPC practices and	feedback		
o you monitor hand hygiene compliance in your facility	?	100%	
o you monitor compliance with CLABSI prevention bur	idles in your facility?	93%	
o you monitor compliance with CAUTI prevention bunc	lles in your facility?	86%	
o you monitor compliance with VAP prevention bundle	s in your facility?	79%	
o you monitor compliance with SSI prevention bundles	in your facility?	75%	
o you feedback auditing reports to hospital manageme	nt and senior administration?	71%	
o you feedback auditing reports to frontline health care	workers?	71%	
o you feedback auditing reports IPC committee or qua	lity of care committees or equivalent?	93%	

References: WHO Guidelines on core components of IPC programmes at the national and acute health care facility level. 2016 (http://www.who.int/infection-prevention/publications/core-components/en/)

#### ESULTS

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Questions		Percent compliance with criteria		
	Private	Public		
Component 7: Workload, staffing and bed occupancy				
Are appropriate staffing levels assessed in your facility according to patient workload using national standards or a standard staffing needs assessment tool?	43%	<mark>48%</mark>		
Is an agreed ratio of health care workers to patients maintained across your facility?	73%	49%		
Is a system in place in your facility to act on the results of the staffing needs assessments when staffing levels are deemed to be too low?	57%	38%		
Is the design of wards in your facility in accordance with international standards regarding bed capacity?	55%	32%		
Is adequate spacing of > 1 meter between patient beds ensured in your facility?	76%	60%		
Component 8: Built environment, materials and equipment for IPC at the facility level				
Is functioning environmental ventilation (natural or mechanical) available in patient care areas?	89%	58%		
For floors and horizontal work surfaces, is there an accessible record of cleaning, signed by the cleaners each day?	79%	55%		
Do you have single patient rooms or rooms for cohorting patients with similar pathogens if the number of isolation rooms is insufficient?	75%	60%		
Is PPE available at all times and in sufficient quantity for all uses for all health care workers?	93%	88%		

# • **Figure:** Median scores per component stratified by private and public hospitals



- more engaged in IPC than hospitals that did not

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el Uso de Antimicrobianos y para la Prevenció Control de Infecciones en Hospitales

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Private hospitals (n=14) All hospitals (n = 35) Public hospitals (n = 21)

# **CONCLUSIONS & LIMITATIONS**

• Although we included a diverse sample of hospitals, results may underestimate gaps in IPC in the region as hospitals that agreed to participate may have bene

• While most hospitals were considered "advanced" based on the IPCAF score, several gaps were identified, which differed between public and private hospitals • Education and training, workload and staffing, and implementation of multimodal strategies seem to be the largest barriers to effective IPC programs in the region

# ACKNOWLEDGEMENT