Covid-19 and Universities in Latin America

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ABSTRACT
It is necessary to know the state of the Universities in Latin America. The general objective was raised, to analyze the situation of Covid-19 and Universities in Latin America, considering different aspects. Methodology, the research presents a qualitative-interpretative design, documentary type, 30 documents have been selected, carried out in the period 2020 - 2021; including: scientific articles, review articles and information from websites of recognized organizations. The keywords used in the searches were: Covid-19, Latin America, universities in Latin America and Covid-19 universities in Latin America. Results, COVID-19 is keeping children and adolescents around the world out of schools and universities. Conclusions, the teachers and students of Latin American universities make permanent efforts to continue their academic and research activities. COVID-19 has exposed the shortcomings in terms of infrastructure and mastery of ICTs.
Keywords: Covid-19, Latin America, universities.

1 INTRODUCTION

1.1 COVID-19 AND LATIN AMERICA

Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) infection, which causes coronavirus disease 2019 (COVID-19), first emerged in China in December 2019 and has now spread worldwide, with a reported 351,731 confirmed cases and 15,374 deaths as of 23 March 2020 according to John Hopkins University (Hindson, 2020).

Although the focus of tackling the direct impact of COVID-19 is important, in many healthcare settings, it is important to maintain core and critical clinical service (Ting, Carin, Dzau, et al., 2020). Severe coronavirus disease 2019 (COVID-19) is characterized by pneumonia, lymphopenia, exhausted lymphocytes and a cytokine storm. Significant antibody production is observed; however, whether this is protective or pathogenic remains to be determined (Cao, 2020).

One of the challenges in looking at the region is that every country has reacted to the pandemic in different ways, the experts agreed. Even within countries, individual towns and regions have reacted differently (Gutierrez, 2020).

The median reproductive number (Rt) for the first 10 days of the COVID-19 epidemic were 2.90 (2.67-3.14) for Spain and 2.83 (2.7-2.96) for Italy. Latin American Rt estimations were higher in Ecuador (3.95(3.7-4.21)), Panama (3.95(3.7-4.21)), and Brazil (3.95(3.7-4.21)). The smallest one was observed in Peru (2.36(2.11-2.63)). All Latin American countries had Rt greater than 2 (Caicedo-Ochoa, Rebellón-Sánchez, Peñaloza-Rallón, Cortés-Motta & Méndez-Fandiño, 2020).

Latin America is a region of paradoxes. It includes vast natural resources, communication and business across national borders are easy given few language and religious barriers, and there are relatively few military and religious conflicts, few cross-country rivalries relative to other parts of the world, and a steady consolidation of relatively young democracies (Aguinis, Villamor, Lazzarini, Vassolo, Amorós & Allen, 2020).

When the COVID-19 pandemic hit LAC in late February 2020, most governments moved quickly to provide swift and decisive responses to control the outbreak and tackle its economic and social impacts (OECD, 2020).

The rapidly evolving pandemic in Brazil and other countries in Latin America begs further attention globally, given its already weak stringency for responding to the current crisis. In the spirit of our findings, we therefore recommend immediate re-evaluation of COVID-19 response in Brazil to drastically change course of action on the ground (Zhu, Raj Mishra, Han & Santo, 2020).
Above all, Latin American governments must act decisively to protect their populations against covid-19 while taking extreme measures to prevent an economic collapse that would exacerbate the region’s pre-existing struggle against poverty and inequality (Pablos-Méndez, Vega, Aranguren, Tabish & Raviglione, 2020).

The countries of the region show a heterogeneous evolution in the incidence of COVID-19. This heterogeneity is associated with both the public health measures adopted, as well as with the population size, poverty levels and pre-existing health systems (Acosta, 2020).

Latin America will be severely impacted by the global economic crisis that will follow the pandemic because of declines in economic activity with principal trading partners, especially China, falling commodity prices, interruption of global and regional value chains, a steep drop in the demand for tourism, and increased capital outflows from the region due to risk aversion in financial markets (Garcia, Alarcón, Bayer, Buss, Guerra, Ribeiro, Rojas, Saenz, Salgado de Snyder, Solimano, Torres, Tobar, Tuesca, Vargas, & Atun, 2020).

At the end of February 2021, many Latin American countries are carrying out the vaccination of the population. In addition, basic economic activities are gradually being opened, in order to improve the family and national economy.
1.2 UNIVERSITIES IN LATIN AMERICA

Most universities in Asia, Africa and Latin America were set up for education. Many are ill-equipped to perform research and lack the proper infrastructure (Onie, 2020).

Based on these developments, we explore how Latin American higher education, especially after consolidating a growing private sector, is currently moving away from the previously dominant idea of universities as institutions for educating societies’ elites, an idea that is now being replaced by the increasing acknowledgment of the essential role of academic organizations in meeting demands for access to information, knowledge, job market qualifications and social mobility (Brunner & Labraña, 2020).

By June 2019, there are ten Latin American universities positioned in the Top10 of the four Rankings, despite their differentiating characteristics and established criteria... Among the conclusions, it stands out that these universities are distinguished especially by their results in research, web presence, and web visibility showing improvements in their positioning from 2009 to 2019 (Torres-Samuel, Vásquez, Luna, Bucci, Viloria & Vargas, 2020).


The presence and better positioning in university rankings depend on institutional seniority and not on the type of ownership in Peruvian licensed universities (Dextre-Chacón, Tejedor & Romero-Rodriguez, 2020).

2 METHODOLOGY

The research presents a qualitative-interpretative design, of a documentary type, which specified the selection procedure and the data recording (Barrero y Rosero, 2018).

In this research, 30 documents have been selected, carried out in the period 2020 - 2021; including: scientific articles, review articles and information from websites of recognized organizations. The keywords used in the searches were: Covid-19, Latin America, universities in Latin America and Covid-19 universities in Latin America. For the selection of the documents, the following criteria were used: the year of publication, belonging to the research and being a reliable source. After reading each document, the data was entered into the bibliographic matrix, which is used to catalog the documents according to categories, which are presented in Figure 1.
3 RESULTS

It’s unclear how such restrictions can persist in a region with considerable poverty and social inequality. Large numbers of Latin Americans live day-to-day on money they make from street trading and other informal work, which is now largely banned. Hunger threatens across the region (Altman & Valarezo, 2020).

COVID-19 is keeping children and adolescents around the world out of schools and universities. In Latin America and the Caribbean, almost all countries have closed educational institutions and/or declared general quarantine to stop the spread of the pandemic (UNESCO, 2020).

Since the COVID-19 outbreak reached Latin American and Caribbean countries around three months ago, more than 28 million university students (according to UNESCO Institute for Statistics) are now learning remotely in the region. In the meantime, both universities and students are facing truly intense, unprecedented challenges in terms of technological infrastructure, financial matters and resources, among others (Suarez, 2020).

As discussed along this paper, educators are devising innovative strategies for teaching online, and getting ready for a whole new set of pandemic challenges. In this critical scenario, Design education in Latin America has a pivotal role, since it can help building back a post-pandemic society that is not just better - but far much better (Spitz, Gonzáles, Ugarte, Álvarez, Abril & Idiáquez, 2020).

Latin American universities reacted in vastly different ways to the pandemic, either keeping their premises open and functional or closing them down and moving to e-learning (Crawford, Butler-Henderson, Rudolph, Malkawi, Glowatz, Burton, Magni & Lam, 2020).

Campuses everywhere closed their facilities to students during the second half of March and have yet to re-open two months later. Nearly three quarters of them transitioned to some degree of online instruction. The exceptions were all public universities, particularly in Brazil, in part for reasons noted below (Hershberg, Flinn-Palcic & Kambhu, 2020).

In the midst of a pandemic with such a devastating and long lasting impact on social and economic rights in the Latin American region, prioritisation of innovative public policies is crucial for the future. Universities and the technology sector have taken up the challenge to confront the emergency with knowledge and ingenuity in the development of solutions (Mazzei, 2021).
For example, organizations such as Teach for All (present in 11 countries in the region) or high-quality universities can provide professionals or senior students, who are highly motivated and trained to support several of the tasks that will be required (tutoring, designing and adapting content, etc.) (Garcia, 2020).

In the case of university students in Ecuador, most of them, even in normal conditions before the pandemic, were already making great sacrifices, together with their families, to meet the economic and academic requirements needed to be admitted to, follow, and make the most of a university education (Rodríguez-Hidalgo, Pantaleón, Dios & Falla, 2020).

This disease will negatively influence the teaching-learning process at the level of Public Higher Education in Peru. This is due to the fact that for many years it has not been invested in having a virtual campus, institutional website, digital scientific journals, minimal training of teachers and students in the management of ICTs (Ríos, 2020).

The researcher states that 45% of Brazilian universities have published articles on how to deal with COVID-19; in Colombia, 21%; in Paraguay, 16%; in Chile, 15%; in Mexico, 14%; and in Argentina, 12% of academic works have adopted the fight against the pandemic as an object of research. “The vast majority of Latin American production is generated by university researchers, but a third of the research originates from external demands. It is necessary to put an end to this divorce” (IESALC-UNESCO, 2020).

4 CONCLUSIONS

The teachers and students of Latin American universities make permanent efforts to continue their academic and research activities. COVID-19 has exposed the shortcomings in terms of infrastructure and mastery of ICTs. Governments must invest urgently and wisely to recover these activities. Teachers and students from low economic sectors should be provided with access to technological devices and the Internet.

Latin American universities have suffered the desertion of students and teachers. In addition, some of them have died or sick, due to COVID-19. In the case of students from private universities, due to the economic crisis they cannot cover the tuition costs.
BIBLIOGRAPHIC REFERENCES


