



# Contribution of public universities to tackle leading causes of mortality in Ecuador: Evidence based on 100 years of scientific production

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# Study setting



# Background: 1999-2009

> [Rev Panam Salud Publica](#). 2011 Oct;30(4):388-92.

## [Scientific output in the health sciences in Ecuador]

[Article in Spanish]

[Iván Sisa](#)<sup>1</sup>, [Mauricio Espinel](#), [Marco Fornasini](#), [Gonzalo Mantilla](#)






Affiliations + expand

PMID: 22124698

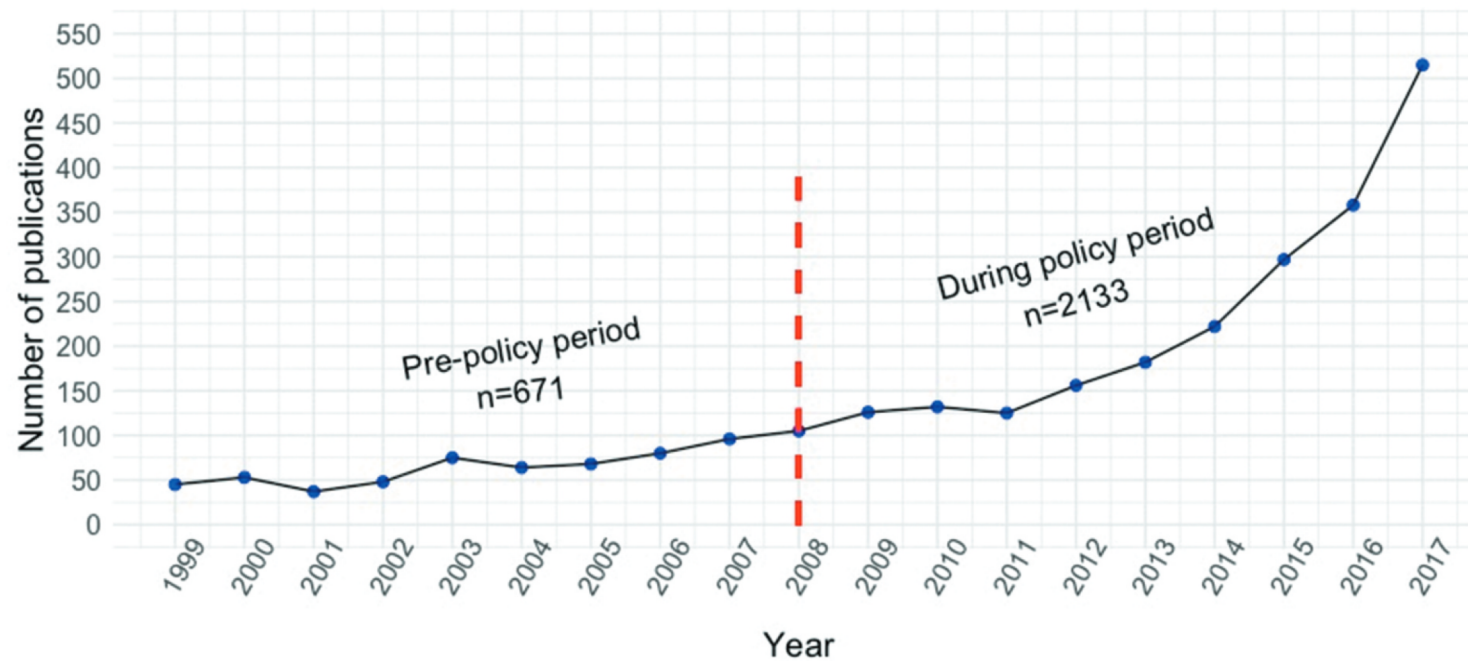
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## A decade of Ecuador's efforts to raise its health research output: a bibliometric analysis

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**Figure 2.** Ecuadorian trend of health science related-publications from 1999 to 2017 The period cut-off point is indicated by the dashed-red line.



# Ecuador define sus prioridades de investigación en salud

*Ecuador defines its health research priorities*

(especial para SIIC © Derechos reservados)



# Research questions:

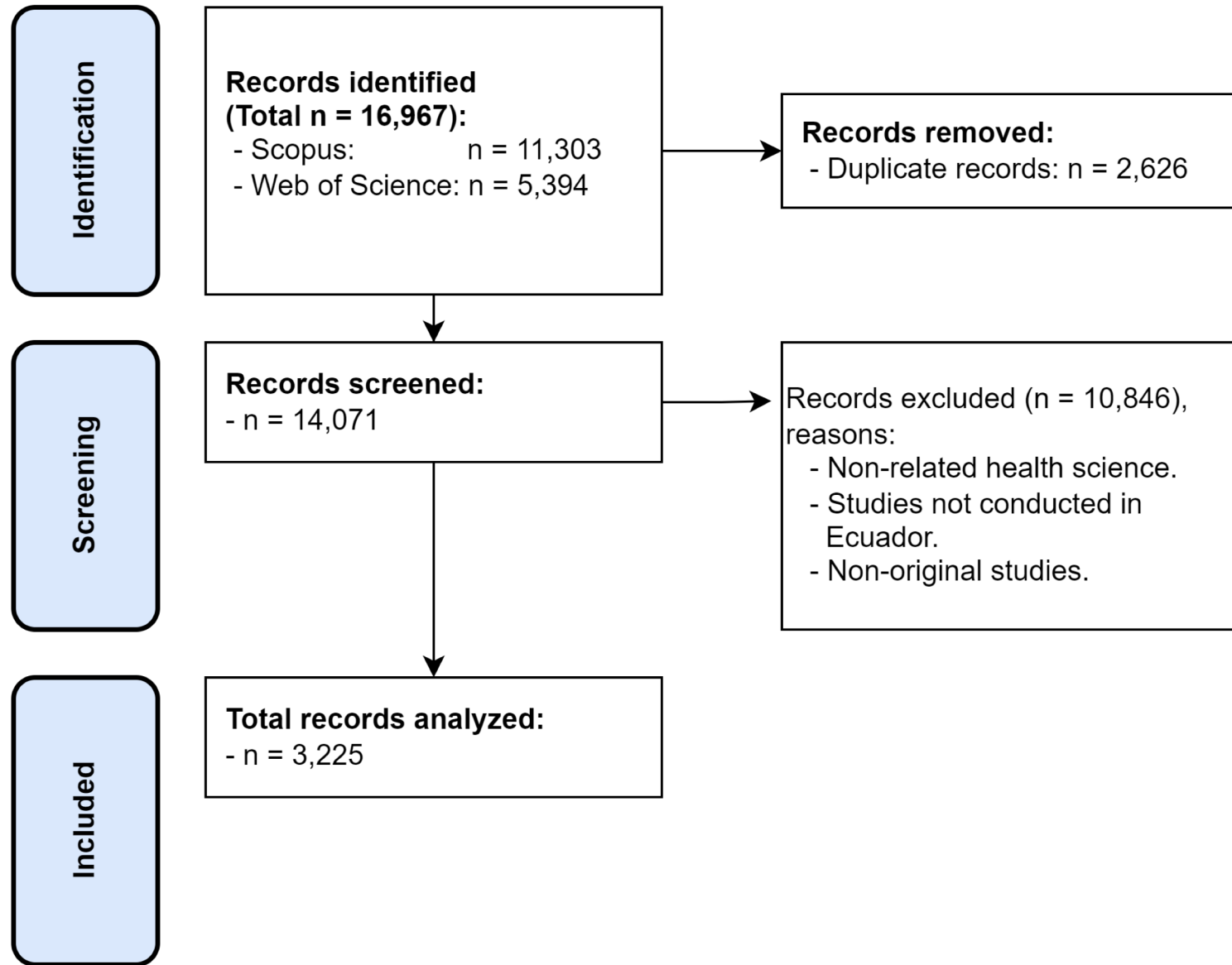
- How has biomedical research evolved in Ecuador during the last century?
- Are Ecuadorian universities contributing to the solution to the main causes of mortality in the country?



# Bibliometric analysis

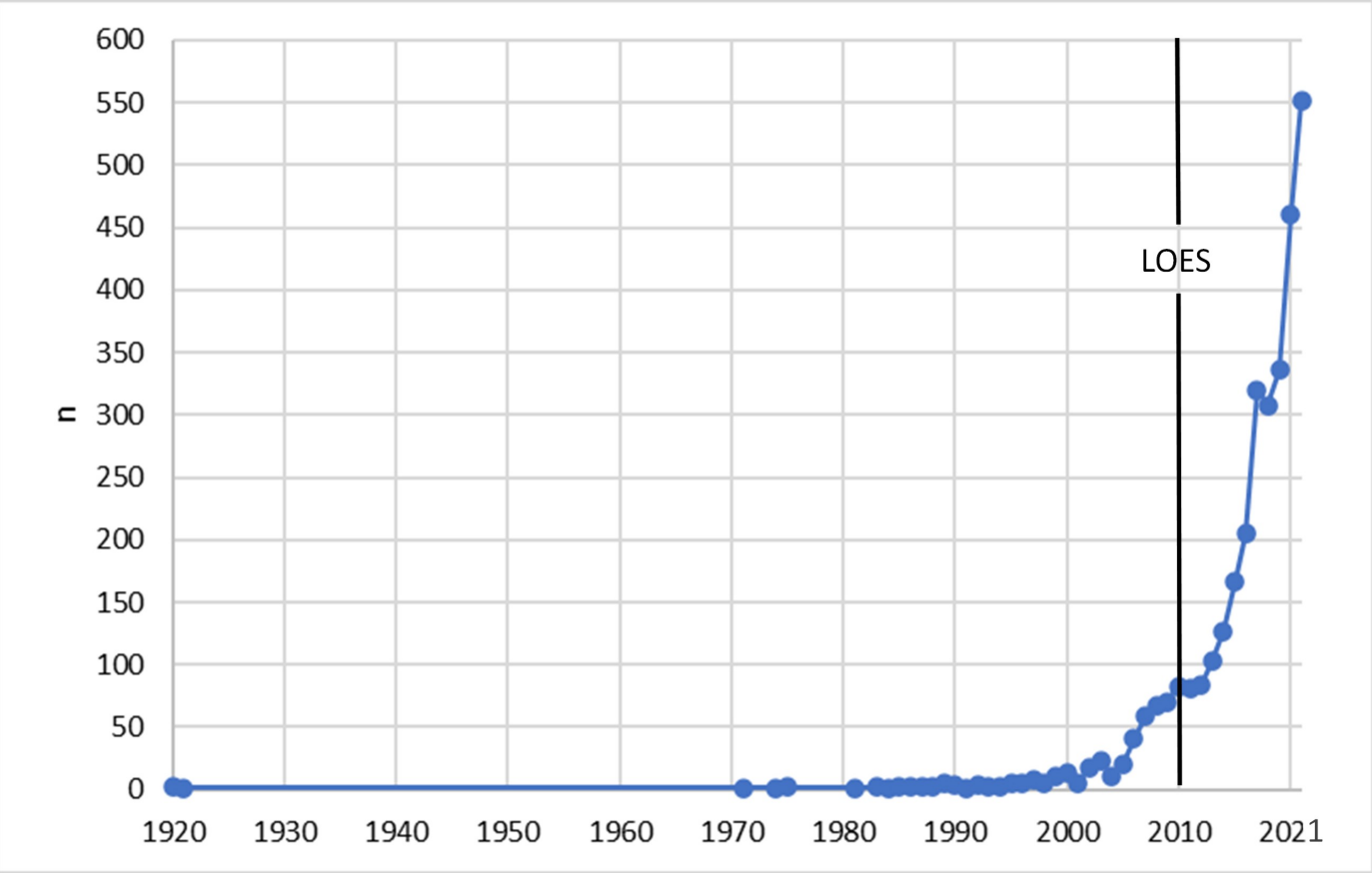


# Period analyzed: 1920-2021





# Overall research output trend: 1920-2021



## YELLOW FEVER CONTROL IN ECUADOR

PRELIMINARY REPORT

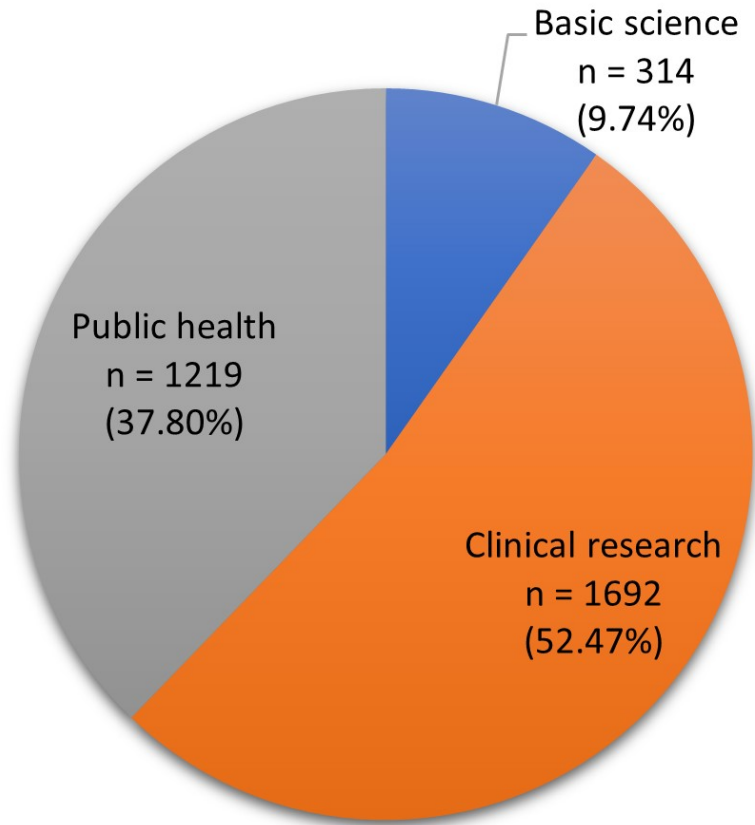
M. E. CONNOR, M.D.

Field Director, International Health Board

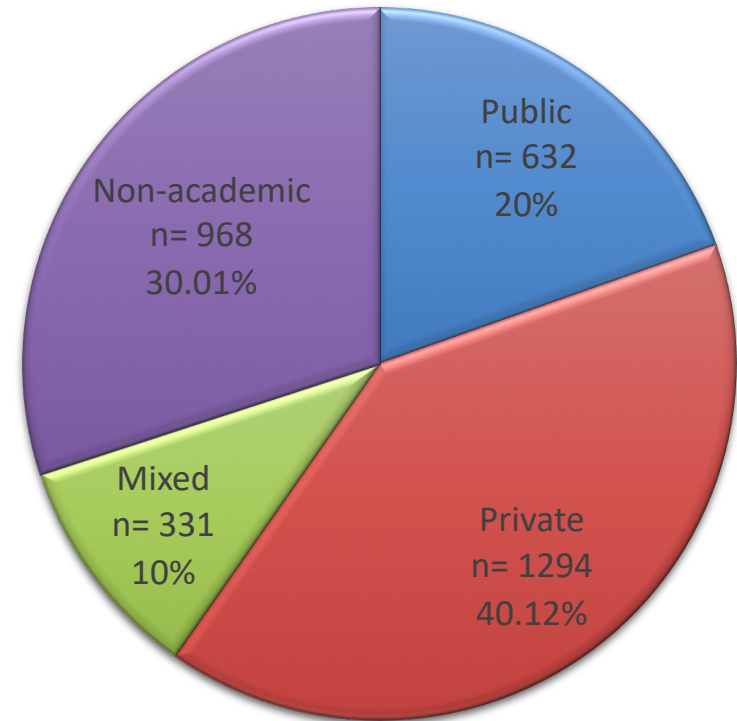
GUAYAQUIL, ECUADOR

JAMA. 1920;74(10):650-651. doi:10.1001/jama.1920.02620100010004

# Research focus



# Output by institutions



# Research lines

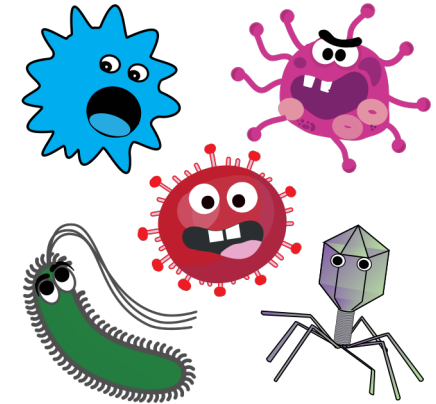
23.44%: Epidemiology and surveillance



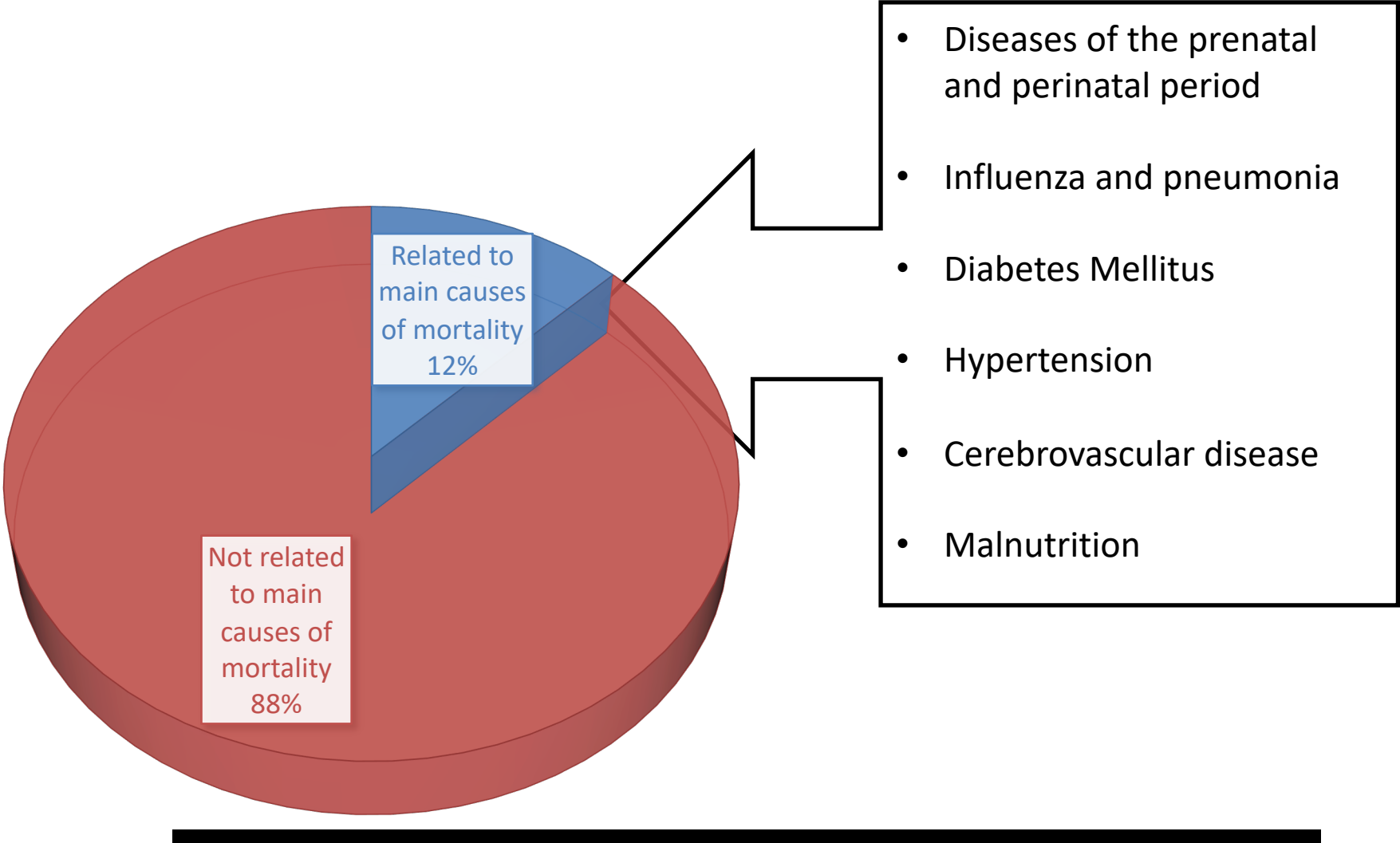
17.21%: Diagnosis and treatment



16.62%: Causes of diseases

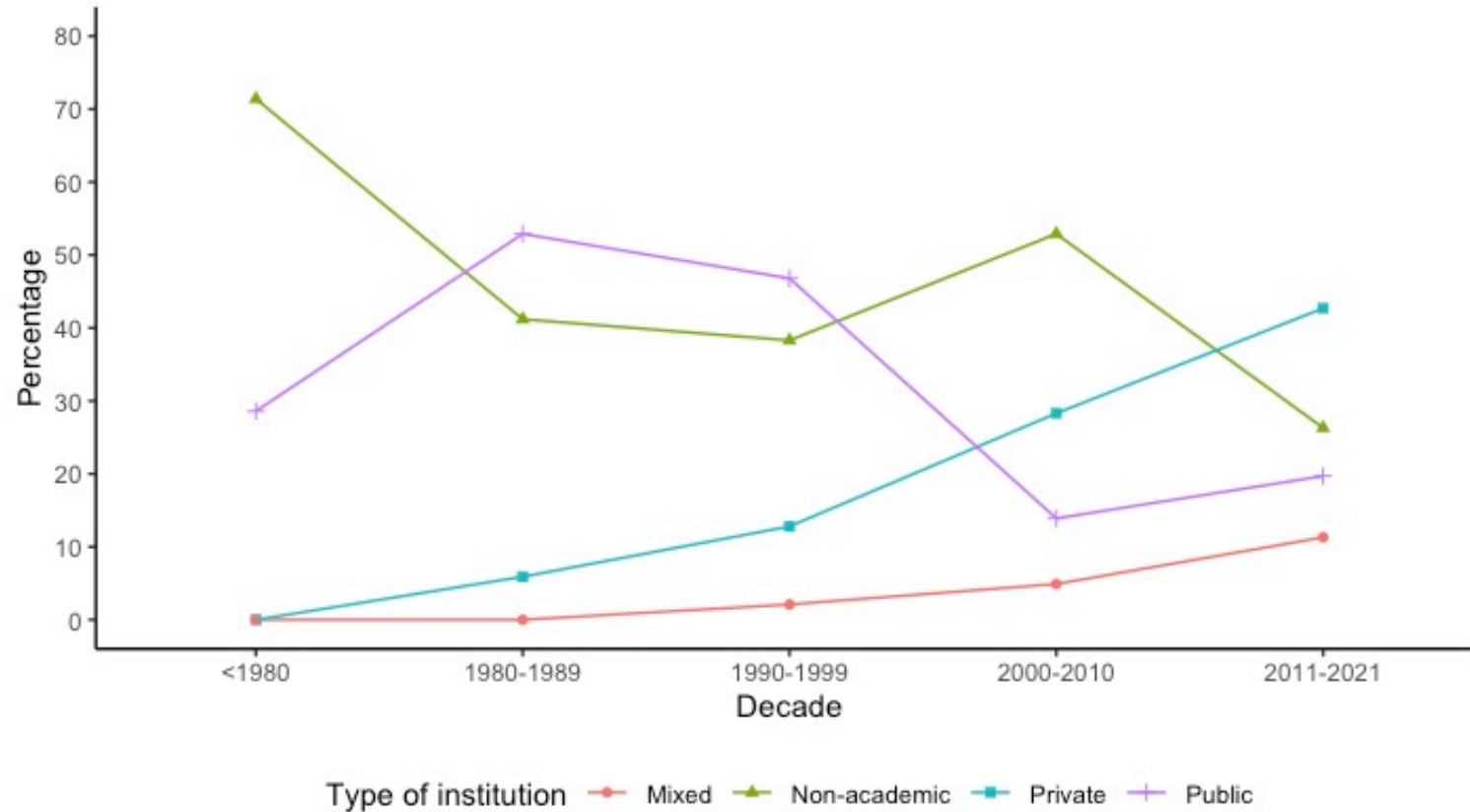


# Research aligned with mortality





# Research output over time



# Causes

1. Politicization of public university
2. Incapacity to use government funding (e.g., cumbersome bureaucracy)
3. Weak role of government agencies (e.g., Ministry of Health)
4. Lack of professor with appropriate qualifications/training

# Recommendations

1. Depoliticize Ecuadorian public university system
2. Build a functional national health research system
3. Foster a friendly and motivating environment for research



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## Research team

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