
Juan Pablo Alvis Estrada

With a background in quantitative fields including mathematics and statistics, I have developed my professional career in areas such as public health, epidemiology, and health economics. From my perspective, I have adapted my knowledge to contribute to CDC-supported projects studying respiratory viruses such as influenza and HIV. In the field of HIV, I have participated in projects to evaluate and implement rapid initiation of antiretroviral therapy in Panama, decentralize care for key populations in Guatemala, and support the response to the epidemic in Central America. As a result, I have acquired the ability to plan and execute complex implementation projects, monitor their results, and generate solid evidence to ensure the efficiency and sustainability of health interventions.

Education

2012 BS Mathematics, Universidad de Cartagena, Colombia.
2015 Master Applied Statistics, Universidad de Granada, Spain.

Positions

2020 – present	Health Economic Coordinator, Center for Health Studies, Universidad del Valle de Guatemala, Guatemala
2020 – 2020	Consultant, Center for Health Studies, Universidad del Valle de Guatemala, Guatemala
2019 – 2019	Consultant, ALZAK Foundation, Colombia
2016 – 2018	Data manager, Center for Health Studies, Universidad del Valle de Guatemala, Guatemala
2015 – 2016	Biostatistician, Center for Health Studies, Universidad del Valle de Guatemala, Guatemala
2014 – 2015	Research Fellow, Health Economics Research Group, Universidad de Cartagena, Colombia

Contributions to Science

As part of my involvement in HIV-focused projects, I highlight selected publications that have contributed to raising awareness of the efforts being made in Central America to combat the epidemic. Specifically, I highlight the evaluation of the rapid initiation of antiretroviral therapy implemented in Panama as a health system response mechanism to quickly link newly diagnosed HIV-positive individuals to treatment services.

Alvis-Estrada, J. P., Azmitia-Rugg, A., Sobalvarro-Stolz, X., Romo-Dueñas, D., Díaz, F., Martínez, A., ... & Ávila-Montes, G. (2024). Evaluation of rapid antiretroviral initiation strategy in a cohort of newly diagnosed people living with HIV in Panama, 2018–2019. *AIDS care*, 36(11), 1588-1595.

Alvis-Estrada, J. P., Davis, D. A., Guevara, K. G., Santa Luce, R. L., Loya-Montiel, M. I., Northbrook, S., & Barrington, C. (2021). A mobile application to monitor mode, content and duration of health navigation services for people living with HIV in Guatemala. *AIDS care*, 33(4), 462-467.

Loya-Montiel, M. I., Davis, D. A., Aguilar-Martínez, J. M., Paz Bailey, O. A., Morales-Miranda, S., **Alvis-Estrada, J. P.**, ... & Barrington, C. (2019). Making the link: a pilot health navigation intervention to improve timely linkage to care for men who have sex with men and transgender women recently diagnosed with HIV in Guatemala City. *AIDS and Behavior*, 23(4), 900-907.

Complete list of published works at: <https://orcid.org/0000-0002-1226-9344>