

# AMORE Project

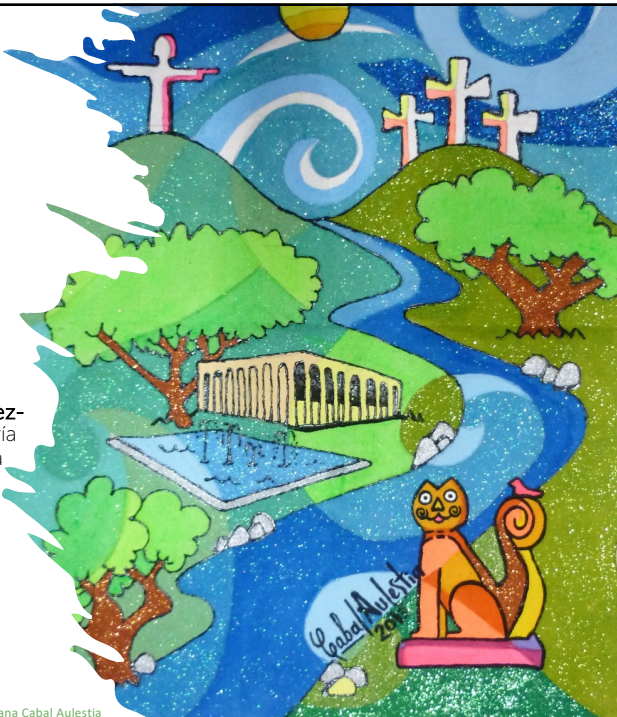
Project Leader: Dr. Luis Gabriel Cuervo  
Universitat Autònoma de Barcelona  
[www.linkedin.com/in/lqcuervo](https://www.linkedin.com/in/lqcuervo)

Researchers: **Ciro Jaramillo Molina**, Daniel Cuervo, Eliana Martínez-Herrera, Lyda Osorio, María O. Bula, Janet Hatcher-Roberts, María B. Ospina, Luis Fernando Pinilla, Felipe Piquero, Carmen Juliana Villamizar, on behalf of the

AMORE Project Collaborative Group


Analytics support: Daniel Cuervo <sup>MBA, CDS</sup> iQuartil S.A.S.

November 3, 2022




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1



# AMORE Project

@Proyecto\_AMORE

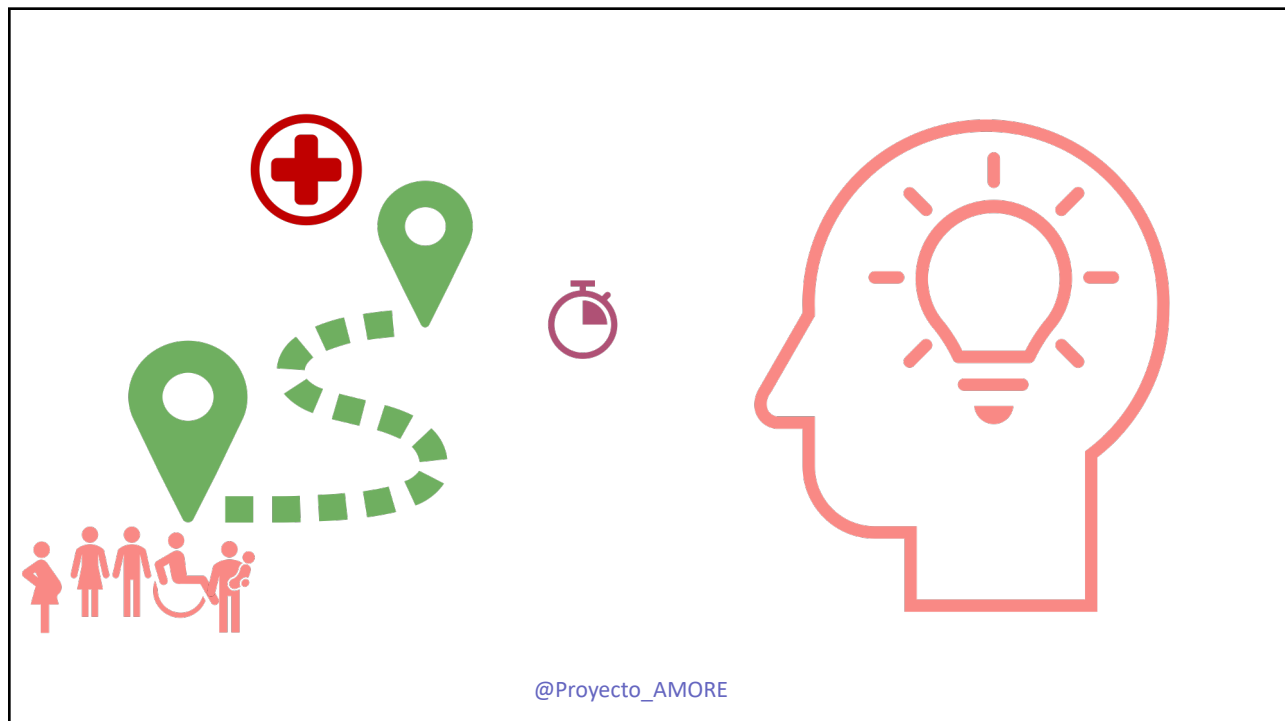


SCAN ME

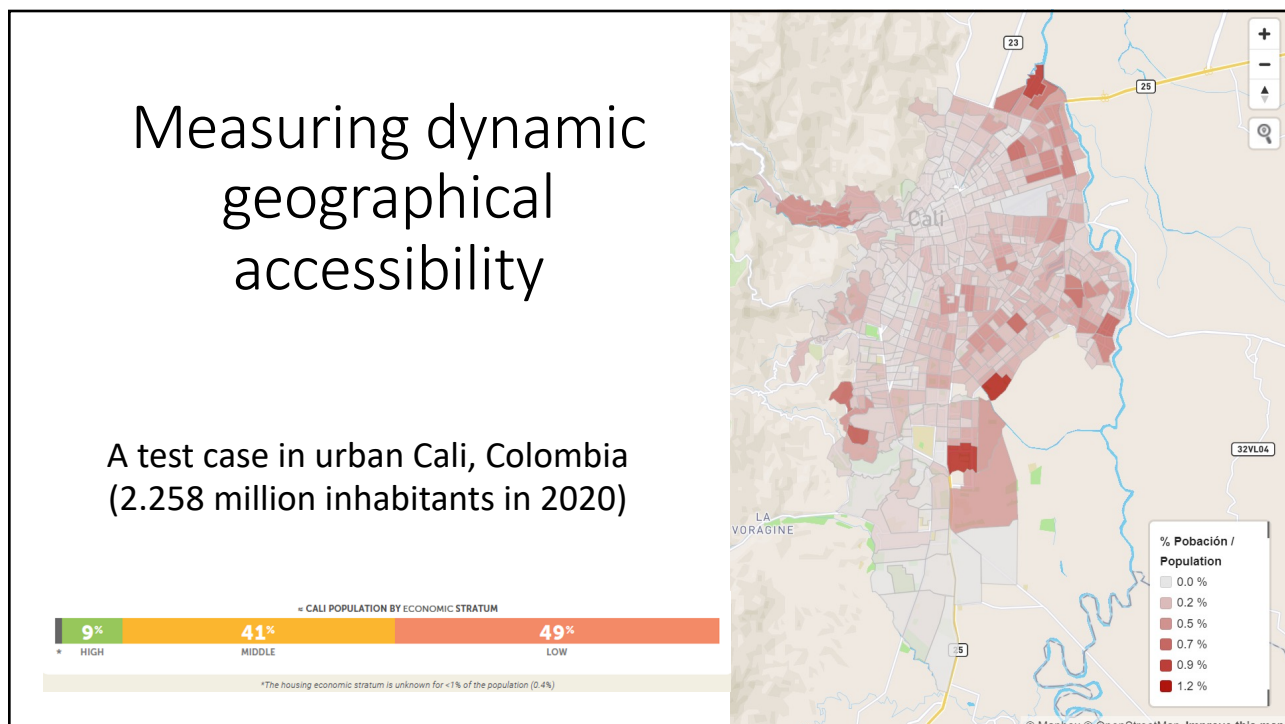
Dynamic Geographical Accessibility Assessments  
to Improve Health Equity and enable multistakeholder  
collaboration

<https://www.iquartil.net/proyectoamore/>  
LinkedIn: The AMORE Project Collaborative Group

2











3



4

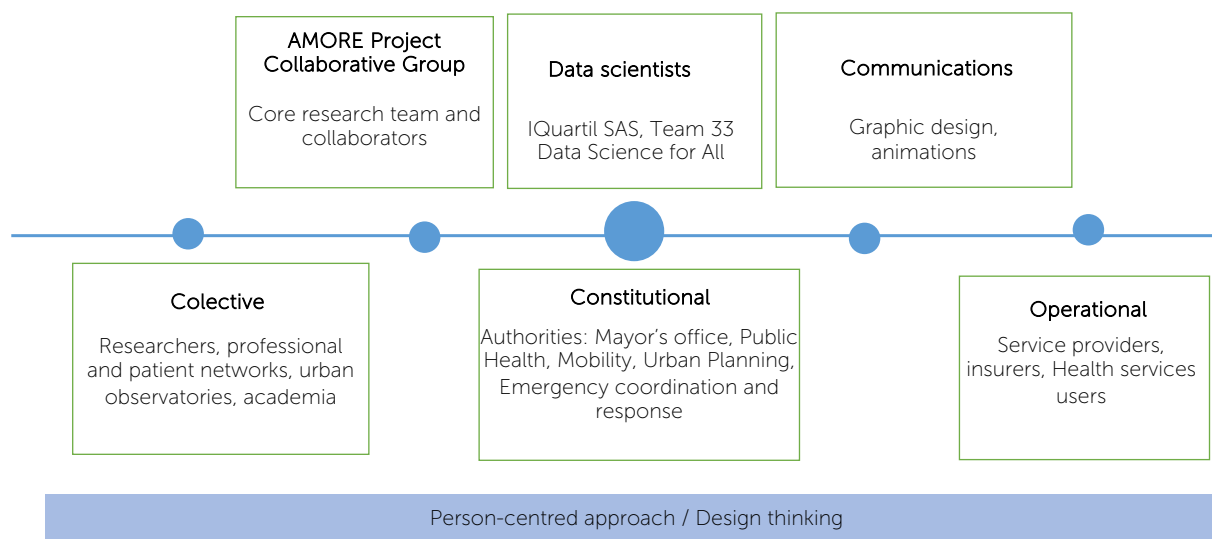
## 2021 INRIX Global Traffic Scorecard – South America

<https://inrix.com/scorecard/>

Urban Area	Impact Rank (2020 Rank)	Hours Lost in Congestion (2021 Rank)	Change from Pre-COVID	Last Mile Speed (mph)
 Bogota	8 (1)	94 (12)	-51%	11
 Quito	39 (8)	63 (51)	-56%	11
 Belo Horizonte	57 (27)	58 (68)	-64%	13
 Medellin	68 (22)	53 (94)	-24%	13
 Cali	76 (10)	51 (109)	-45%	12
 São Paulo	78 (24)	45 (155)	-70%	15
 Guayaquil	89 (31)	47 (139)	-64%	19
 Porto Alegre	397 (158)	24 (473)	-52%	20

5

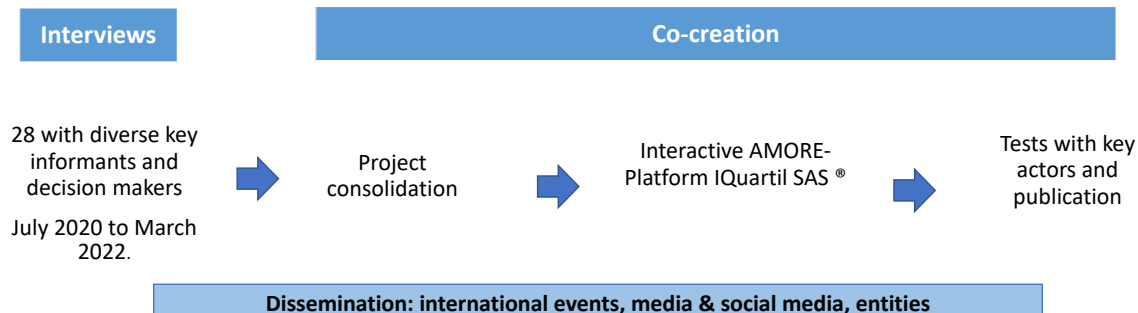
## Stakeholders and governance levels



Adapted from: Abimbola, Seye. "Beyond Positive a Priori Bias: Reframing Community Engagement in LMICs." Health Promotion International 35, no. 3 (June 1, 2020): 598–609. <https://doi.org/10.1093/heapro/daz023>

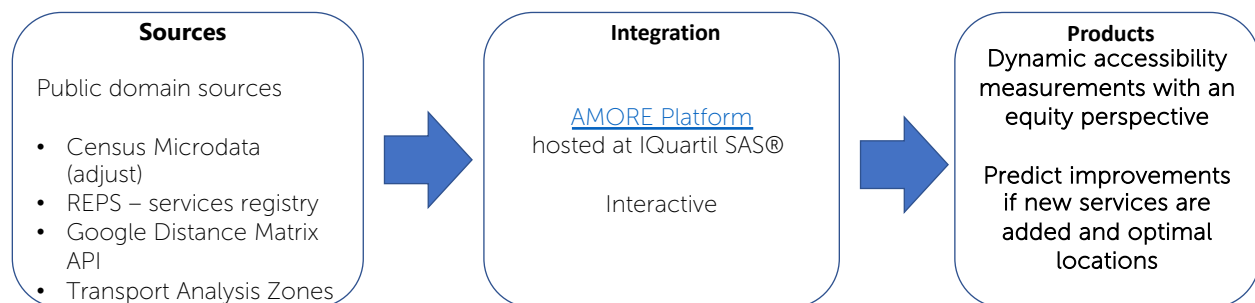
6

## AMORE Platform development

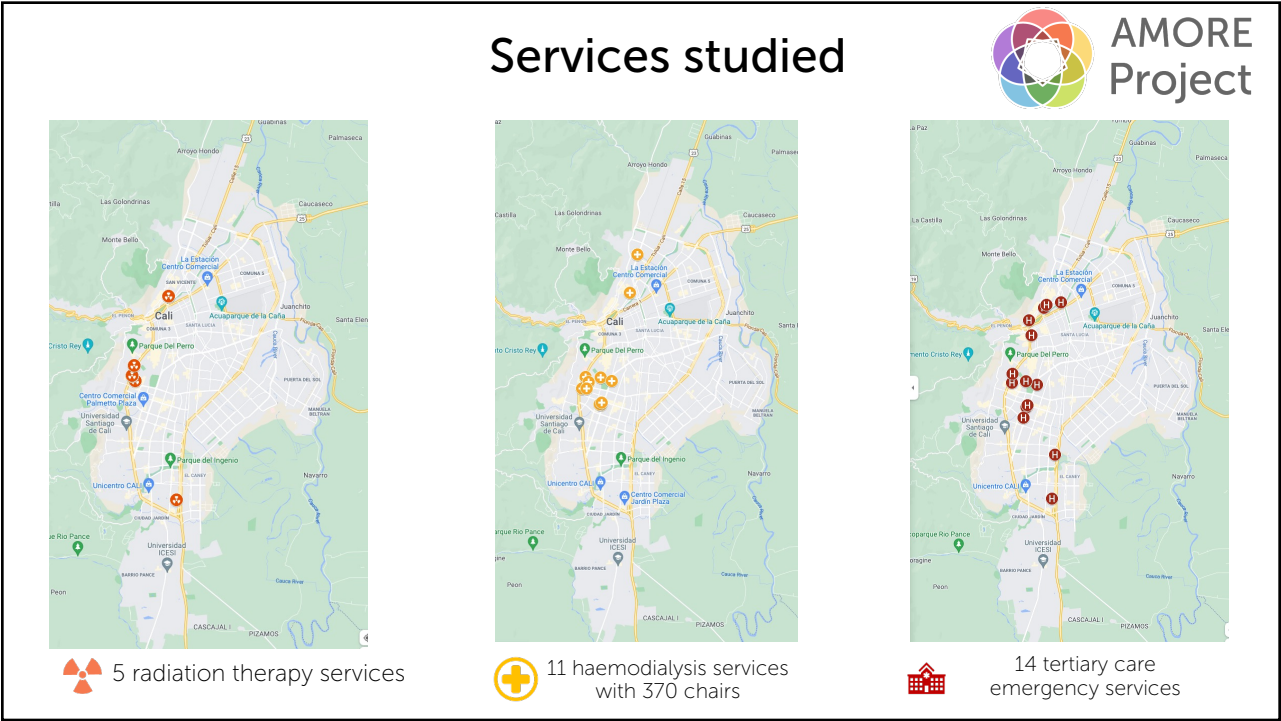


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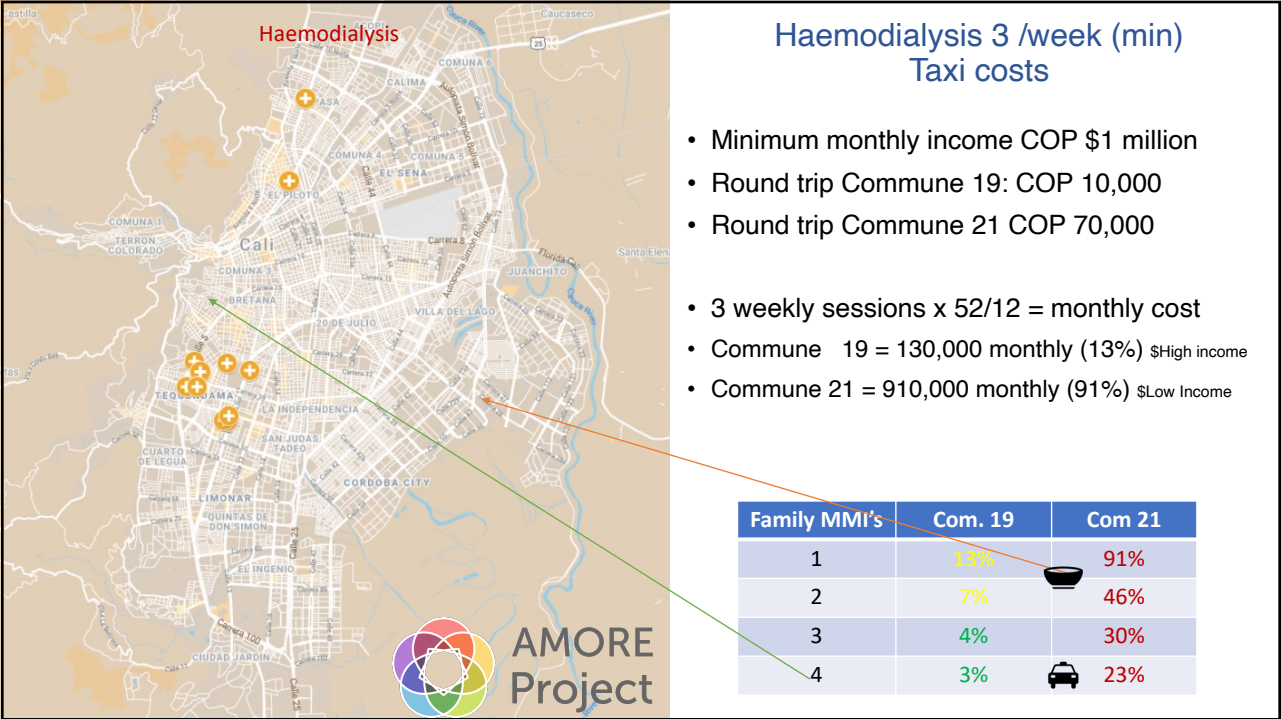
## Situational Analysis



8

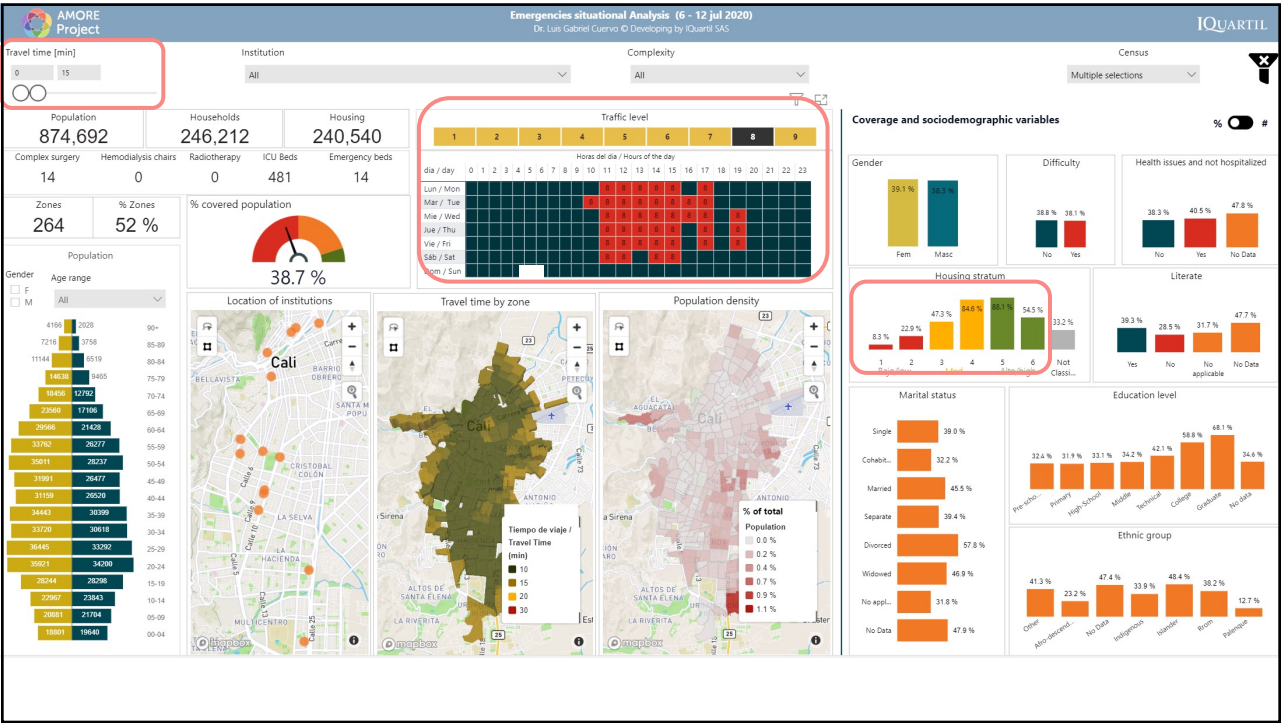


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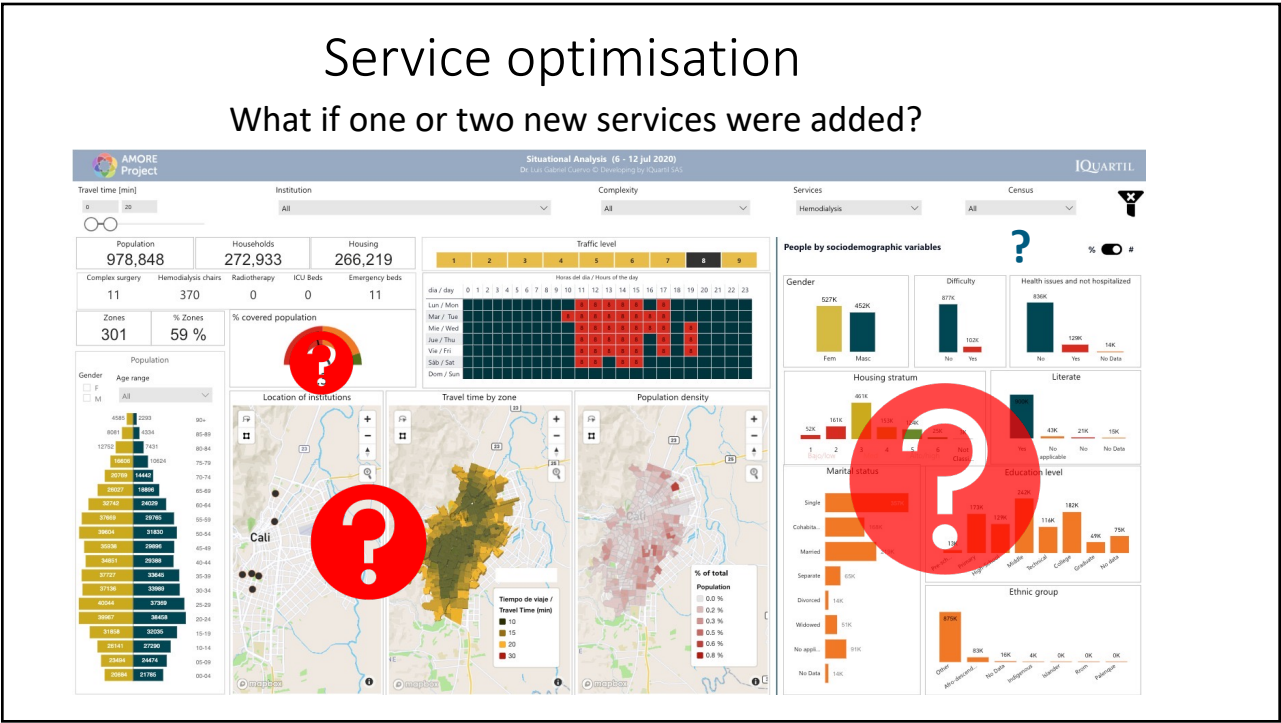


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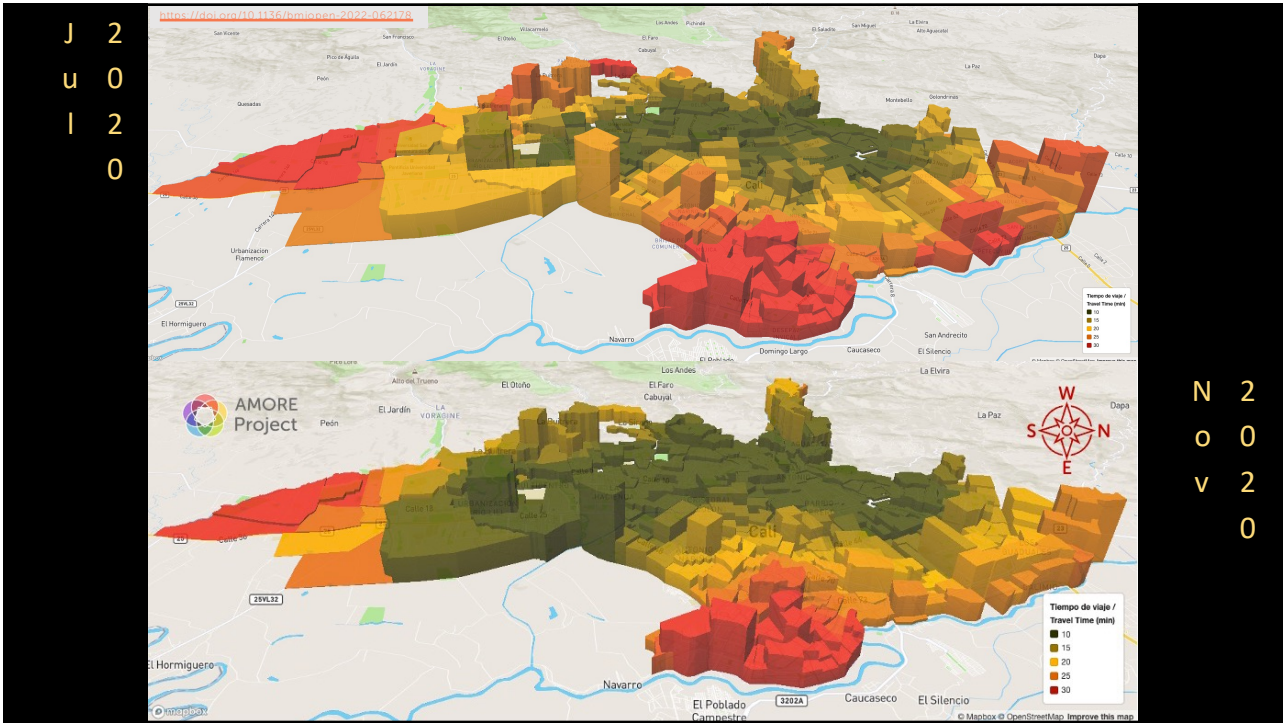




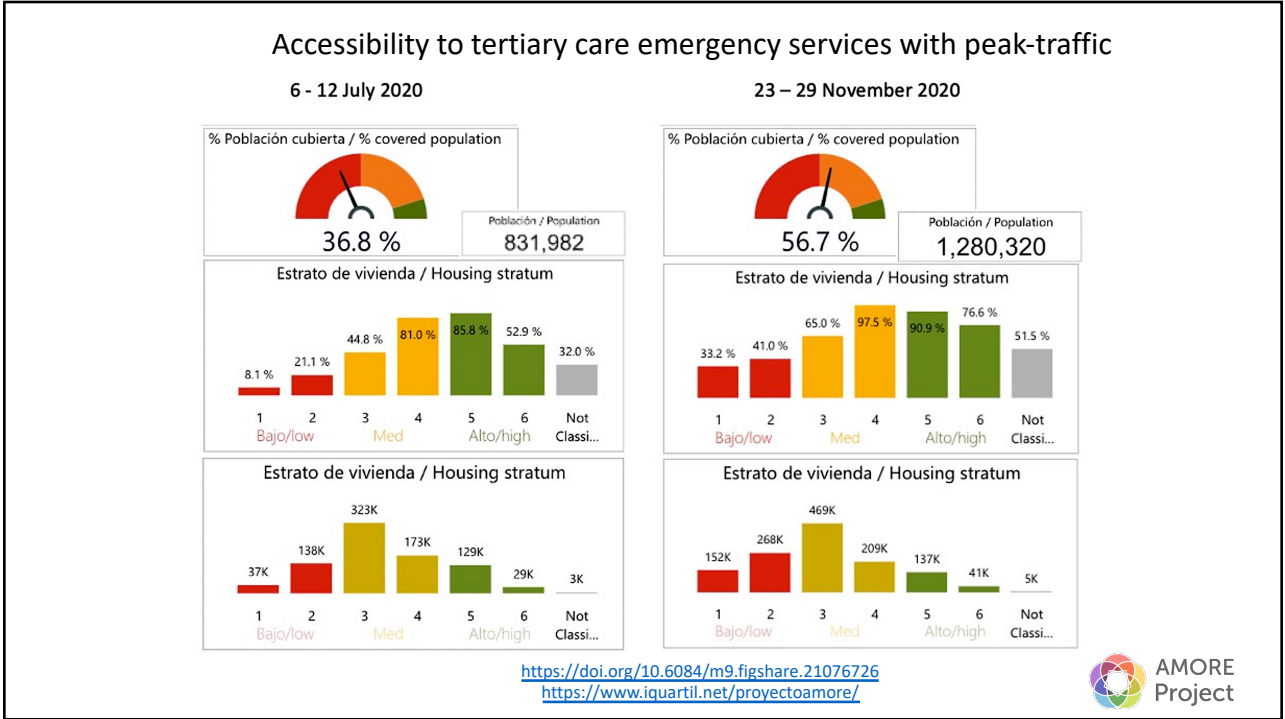
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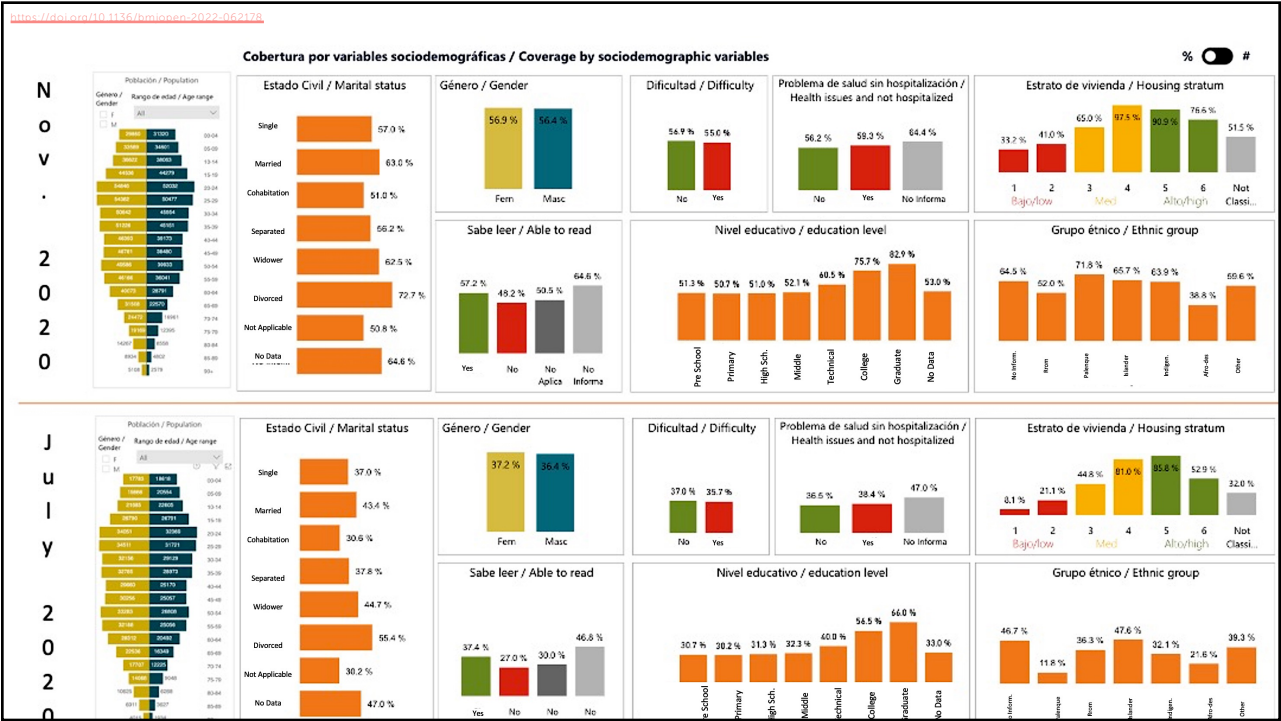


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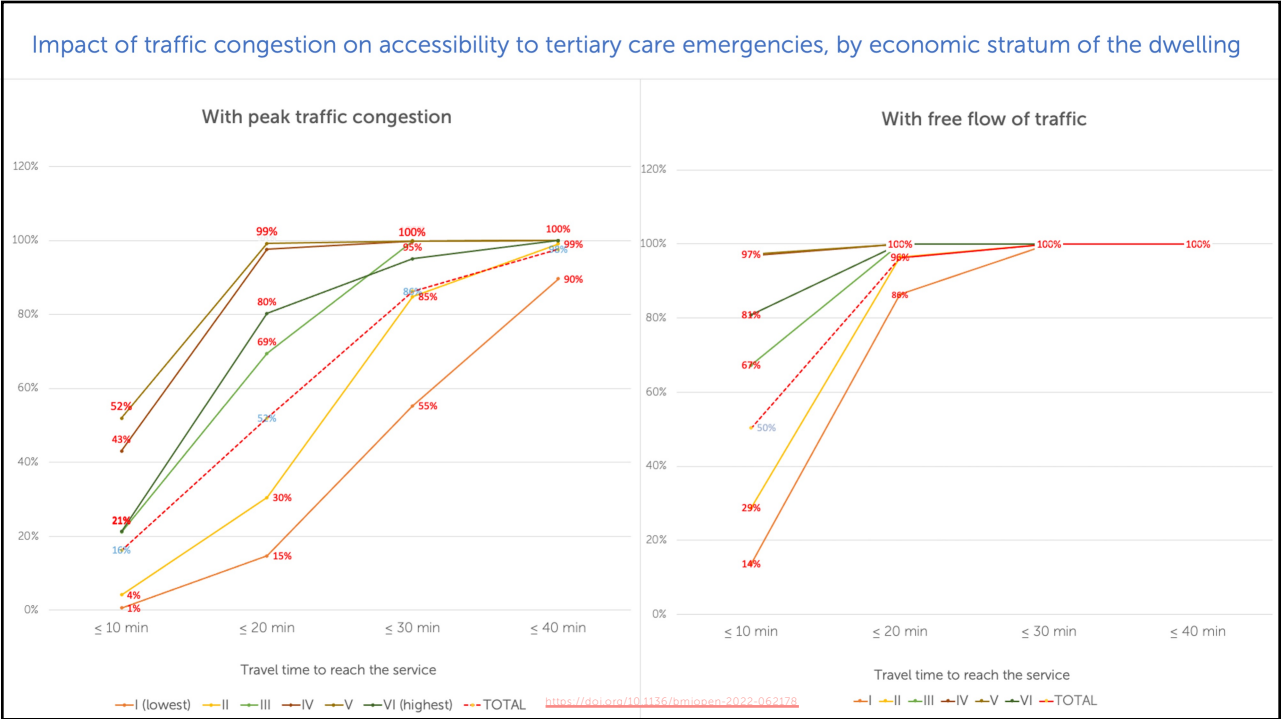


13



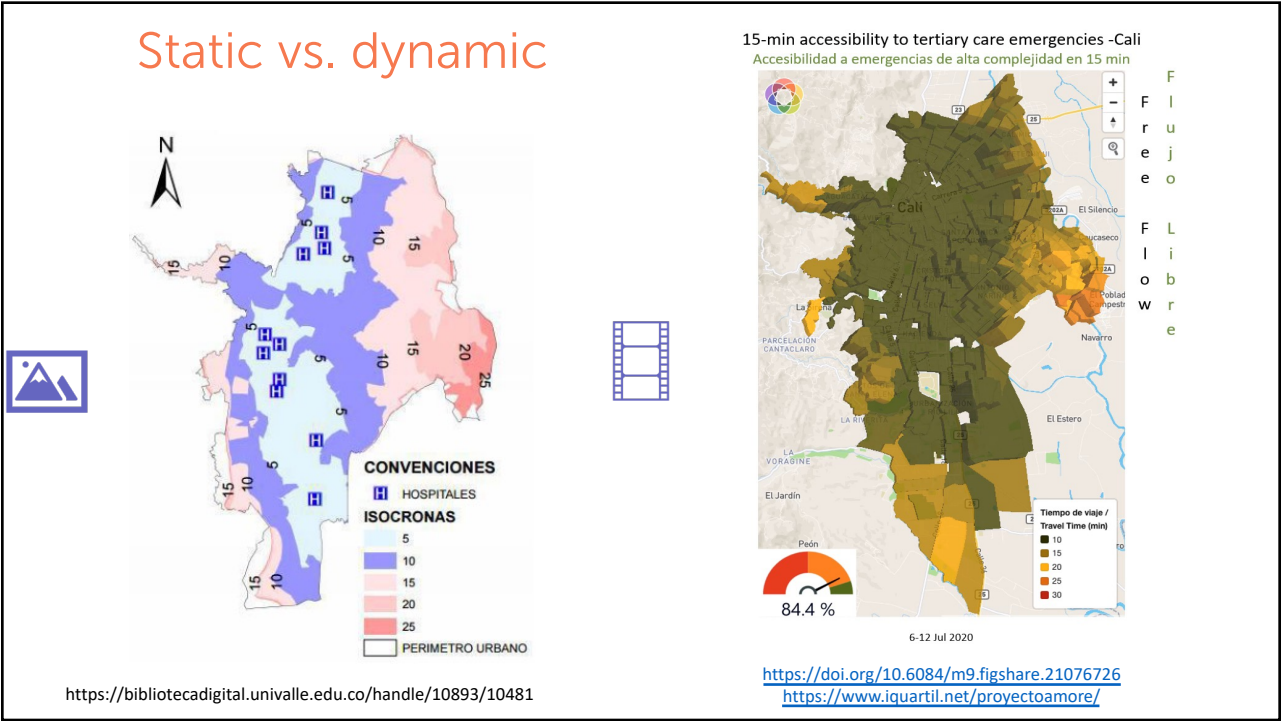


15



16





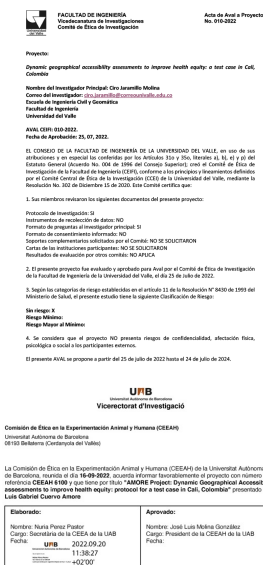
17

Broad summary of experience and skills brought by the Collaborative Group - Emergencies Situational Analyses

Surname	Given name	Experience as public servant	Service organization/emergency response	Patient or advocate	Policy maker experience	Public health background	Mobility, geography, urban planning	Service provider or funder	Data analytic and programming	Approved final version
Avila Rodriguez	German	●	●	*	●	●	●			●
Bula	María Olga	●		*	●	●	●			●
Concha-Eastman	Alberto			*	●		●			●
Cuervo	Daniel	●		*	●	●	●			●
Cuervo	Luis Gabriel			*					●	●
Franco	Oscar	●		*	●	●				●
García	Christian			*	●	●			●	●
Guerrero	Rodrigo	●	●	*						●
Hatcher-Roberts	Janet	●	●	*	●	●	●	●		●
Jaramillo	Ciro	●		*	●	●	●			●
Martínez Arámbula	Fernando Rafael			*	●					●
Martínez Herrera	Eliana	●		*	●		●			●
Merino Juarez	María Fernanda			*	●	●	●			●
Osorio	Lyda	●		*	●	●				●
Ospina	María B	●	●	*	●	●	●	●		●
Paredes	Gabriel			*		●				●
Paredes-Zapata	David	●	●	●	●	●		●		●
Pinilla	Luis Fernando			●		●		●		●
Piquero	Felipe			*					●	●
Rojas	Oscar			●				●		●
Rosero Hernández	Myriam	●		*	●		●	●		●
Tobar-Blandón	María Fernanda			*						●
Villamizar	Jaimes			*		●				●
Zapata Murillo	Pablo			*	●			●		●

18

# Ethics approvals and publications to date



## Original Research

Cuervo LG, Martínez-Herrera E, Osorio L, Hatcher-Roberts J, Cuervo D, Bula MO, Pinilla LF, Piquero F, and Jaramillo C. "Dynamic Accessibility by Car to Tertiary Care Emergency Services in Cali, Colombia, in 2020: Cross-Sectional Equity Analyses Using Travel-Time Big Data from a Google API." *BMJ Open* 12, no. 9 (September 1, 2022): e062178. <https://doi.org/10.1136/bmjopen-2022-062178>.

## Editorials

Cuervo LG, Martínez-Herrera E, Cuervo D, Jaramillo C. "Improving Equity Using Dynamic Geographic Accessibility Data for Urban Health Services Planning." *Gaceta Sanitaria* (E-Publication ahead of print) 11 Jun 2022. <http://dx.doi.org/10.1016/j.gaceta.2022.05.001>

## Preprints

Cuervo LG, Jaramillo C, Cuervo D, Martínez Herrera E, Hatcher-Roberts J, Pinilla LF, Bula MO, Osorio L, Zapata P, Piquero F, Ospina MB, Villamizar CJ. "Dynamic Geographical Accessibility Assessments to Improve Health Equity: Protocol for a Test Case in Cali, Colombia." *SSRN Scholarly Paper*. Rochester, NY, July 28, 2022. <https://ssrn.com/abstract=4175407>. <http://dx.doi.org/10.2139/ssrn.4175407>.

Cuervo LG, Cuervo D, Hatcher-Roberts J, Martínez Herrera E, Pinilla LF, Piquero F, Ospina M, and Jaramillo Molina C. "AMORE Project: Integrated Knowledge Translation and Geospatial Analysis to Improve Travel Times to Health Services (Accessibility) and Health Equity in Cali, Colombia: A Proof of Concept Using Mixed-Methods Research." Preprint. Thesis Commons, November 19, 2021. <https://doi.org/10.31237/osf.io/4atqc>.

Cuervo LG, Martínez-Herrera E, Osorio L, Hatcher-Roberts J, Cuervo D, Bula MO, Pinilla LF, Piquero F, Jaramillo C. Cross-sectional equity analysis of accessibility by automobile to tertiary care emergency services in Cali, Colombia in 2020. *medRxiv* 2022.02.03.22269929; doi: <https://doi.org/10.1101/2022.02.03.22269929>



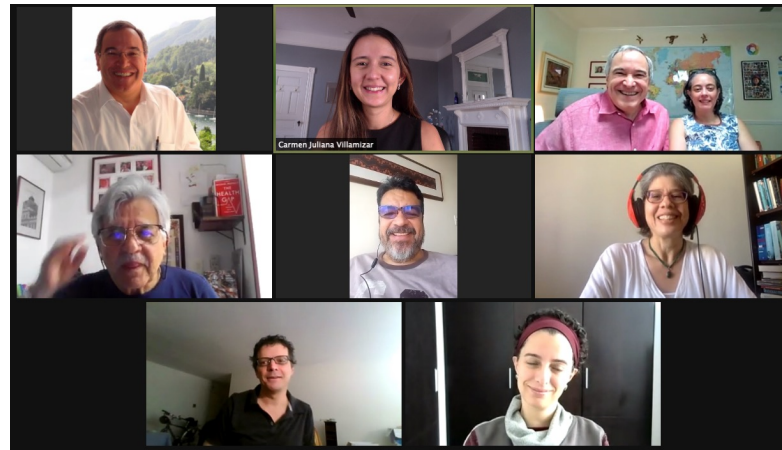
19

## Way forward

1. Implementation of new indicators
2. Assess use
3. Integration within planning, monitoring and evaluation, and processes
4. Identify refinements and development: add data layers and applications (e.g., finding the nearest available haemodialysis chair; adjusting subsidies)
5. Replication, adaptation, growth
  - New locations, services, sectors



20



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21

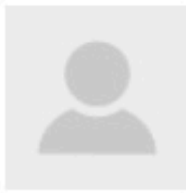
## Questions and comments, please



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22



# CPC 2: Assuring access to health care for all

Oral session

🕒 11:00 AM - 12:30 PM

📅 November 2, 2022

📍 Level 3 - Room N

Comprehensive primary care in promoting sustainability

Hybrid

**Moderator:** Harry Coleman, KIT Royal Tropical Institute, Netherlands

**Assessing service delivery readiness to operationalize a reform towards improving Primary Healthcare services in Kaduna state, Nigeria**

Sani Abubakar, Clinton Health Access Initiative, Nigeria

**A new approach to assess equity in accessibility to health services: dynamic assessments of travel times to health services in Cali, Colombia**

Luis Gabriel, Cuervo Universitat Autònoma de Barcelona, Spain

**An approach to integrating and scaling up mental health services as part of comprehensive primary health care in Liberia: Lessons and challenges in pandemic times**

Adeel Ishtiaq, Results for Development, United States of America

**Barriers and facilitators to accessible and coordinated care during the First 1,000 Days in rural Colombia: A qualitative study**

Sonya Panjwani, Texas A&M University; Community Health Center, Inc., United States of America

**Health system recovery from the Covid pandemic: Experience from Advancing Universal Health Coverage (AUHC) project in Bangladesh**

Mahfuza Rifat, USAID Advancing Universal Health Coverage (AUHC), ThinkWell, Bangladesh

**Tracking health system performance in times of crisis using routine health information systems: lessons learned from a multi-country consortium**

Anne-Marie Turcotte-Tremblay, Harvard University, United States of America