



## Nutrition-Focused Care Reduces Healthcare Costs Among Adults at Malnutrition Risk: A Simulation Economic Analysis For Latin America

**B Rodriguez Sanchez<sup>1</sup>, G Gomez<sup>2</sup>, DA Gracia<sup>2</sup>, JD Misas<sup>2</sup>, S Sulo<sup>3</sup>, G Ojeda<sup>4,5</sup>**

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<sup>1</sup> Universidad Complutense de Madrid, Madrid, Spain

<sup>2</sup> Abbott, Bogota, Colombia

<sup>3</sup> Abbott, Chicago, IL, United States

<sup>4</sup> Hospital Dr. Guillermo Grant B. De Concepcion, Concepcion, Chile

<sup>5</sup> Universidad San Sebastian de Concepcion, Concepcion, Chile



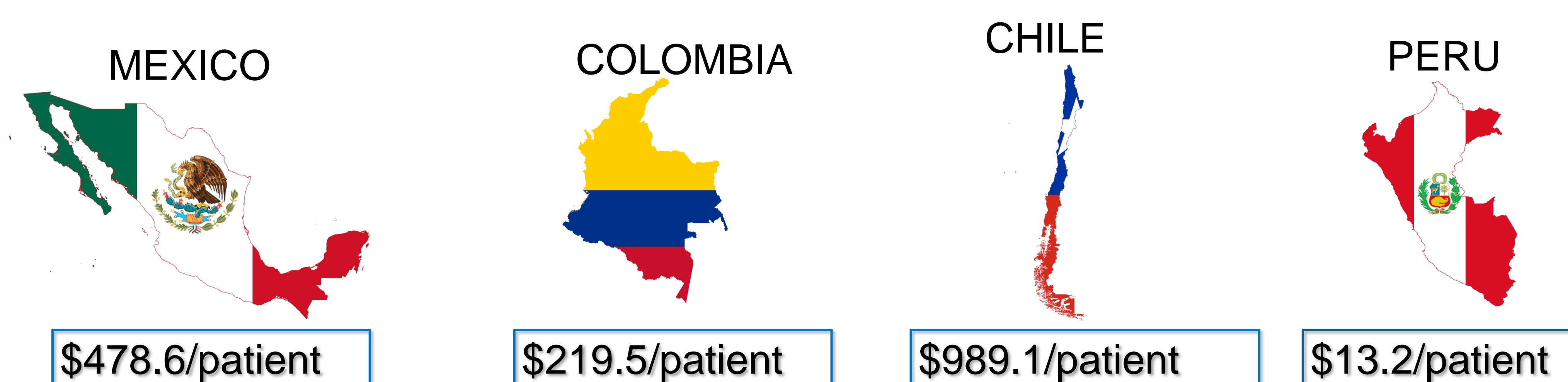
### Background

- Malnutrition or its risk leads to **many adverse** health **outcomes** and increases **healthcare costs** estimated to be >\$10 billion per year across Latin America (1)
- Nutrition care with **oral nutrition supplementation (ONS)** helps to alleviate such burden for patients and healthcare systems (2,3)
- An **economic analysis** was performed to demonstrate the value of a nutrition-focused quality improvement program (**QIP**; SALUD study) for **older adults at-risk/malnourished** mainly post hospital discharge in four **Latin American** countries (4,5)



### Results

#### Net savings per patient by country:



#### Parameters of greatest influence:

- Hospitalization costs
- Adherence to intervention
- Malnutrition prevalence
- Oral nutritional supplement cost
- Outpatient visit cost



### Method

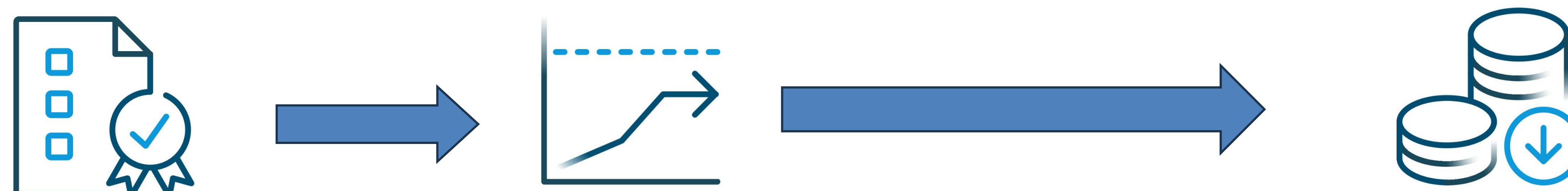
- Budget-impact analysis (BIA)** using a 90-day simulation model to assess the economic impact of **QIP** from a third-party payer perspective

→ Enabled **simulation** of cost consequences before and after QIP implementation

- Sensitivity analysis** were performed by varying all parameters by  $\pm 33\%$

- Costs were converted from local currencies to 2021 US dollars

- Cost-savings due to QIP were calculated as **percentages of the annual national healthcare expenditures** ranging from <1% (Peru) to almost 15% (Mexico) depending on country level costs of healthcare resources



### Summary/ Highlights

- Results support the **scalability and economic effectiveness** of the QIP for older adults at-risk/malnourished in Latin American countries
- Nutrition-focused care** is **essential** in **optimizing management and prevention of malnutrition** among older populations and to ensure **efficient allocation of resources** and sustainability of healthcare systems



### References

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### Disclosures

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