

<sup>4</sup>Department of Infectious Disease, Avicenne Teaching Hospital, Bobigny, France

<sup>5</sup>Unit for Universal Access to Healthcare, Avicenne Teaching Hospital, Bobigny, USA

<sup>6</sup>Laboratory of Clinical Pharmacology and Pharmacoepidemiology, Department of Clinical Sciences and Community Health, University of Milan, Milan, Italy

<sup>7</sup>Geneva University Hospital, University of Geneva, Geneva, Switzerland  
Contact: eleonoragenovese1@gmail.com

#### **Background:**

Marginalization of undocumented migrants raises concerns about equitable access to COVID-19 immunization. This study describes their self-perceived accessibility of and demand for COVID-19 immunization.

#### **Methods:**

A multi-centric cross-sectional survey was conducted in 4 health facilities providing care to undocumented immigrants in the USA, Switzerland, Italy, and France in February–April 2021. A convenience sample of minimum 100 patients per study site was recruited. Data was collected using an anonymous structured questionnaire including demographic variables, health status, and drivers/barriers for COVID-19 immunization. Descriptive statistics were used to characterize the primary and secondary outcomes: self-perceived accessibility of and demand for COVID-19 immunization.

#### **Results:**

812 migrants completed the survey (54.3% Geneva, 17.5% Baltimore, 15.5% Milan, and 12.7% Paris). 60.9% were women, the median age was 40 years old (range 17–76), and 19 nationalities were represented: 55.9% Latin America, 12.7% Africa, 11.2% Western Pacific, 7.9% Eastern Mediterranean, 7.6% Europe, 4.7% Asia. Among participants, 14.1% and 26.2% reported prior COVID-19 infection and fear of developing severe COVID-19, respectively. Underlying comorbidities were common (29.5%). Self-perceived accessibility of COVID-19 immunization was high (86.4%), yet demand was low (41.1%) correlating with age, co-morbidity, and views on immunization which were better for immunization in general (77.3%) than immunization against COVID-19 (56.5%). Hesitancy was mostly due to fear of adverse reactions (39.2%).

#### **Conclusions:**

In this multi-centric study, undocumented migrants generally believed they would access local COVID-19 immunization programs. Yet, despite positive views about immunization in general, they reported limited confidence in COVID-19 immunization and willingness to be immunized.

#### **Key messages:**

- Self-perceived accessibility of COVID-19 immunization is high, yet demand is limited.
- COVID-19 immunization campaigns may engage communities and leverage confidence in immunization in general to address concerns about COVID-19 immunization.

## **Multi-centric assessment of COVID-19 immunization access and demand among undocumented migrants**

Eleonora Genovese

*E Genovese<sup>1</sup>, G Fiorini<sup>2,6</sup>, G Corrao<sup>1</sup>, K Page<sup>3</sup>, J Cailhol<sup>4</sup>, M Franchi<sup>1</sup>, R Tlili<sup>5</sup>, SG Cella<sup>6</sup>, Y L Jackson<sup>7</sup>*

<sup>1</sup>Centre for Healthcare Research and Pharmacoepidemiology, Department of Statistics and Quantitative Methods, University of Milan-Bicocca, Milan, Italy

<sup>2</sup>Istituti Clinici Zucchi, Monza, Italy

<sup>3</sup>School of Medicine, Johns Hopkins University, Baltimore, USA