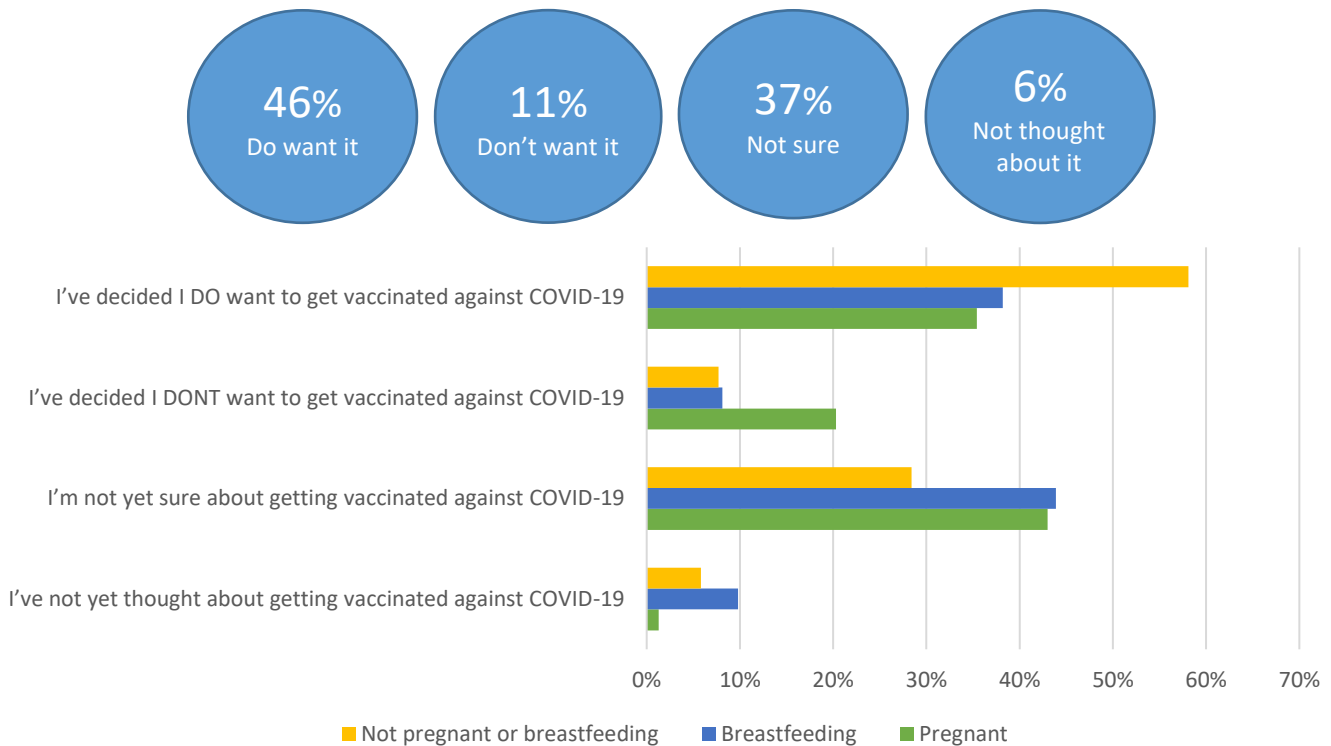


## The ORIGINS Project: Key Research Findings

### COVID-19 vaccine intention amongst women in Perth, WA



#### IN A NUTSHELL

Information collected on 357 women in February 2021 shows that a considerable number of women (43%) are **unsure or haven't thought about** receiving the COVID-19 vaccine. Only 46% indicated they **do want** to get the vaccine.

Pregnant and breastfeeding women may represent a sub-population with lower levels of COVID-19 vaccine intention. 28% of pregnant and breastfeeding women have decided they **do not** want the vaccine.

The primary reason stated for not wanting to receive the COVID-19 vaccine was concern regarding possible safety issues and/or side effects of the vaccine, as well as uncertainty regarding the long-term consequences of the vaccine.

#### THE EVIDENCE

The ORIGINS Project is a prospective, longitudinal birth cohort, recruiting 10,000 pregnant women and their partners antenatally and following each family over a 5-year period. Comprehensive data and biological samples are collected from the participants at up to 15 different time points, from the first antenatal clinic visit. In the process, ORIGINS is creating a major research platform, consisting of an extensive databank and biobank<sup>1</sup>.

The COVID-19 vaccine data was collected on a subset of mothers participating in ORIGINS. Those who completed the survey ranged in age from 22 to 46 years (average 34 years), with half having completed a bachelor or postgraduate qualification. 48% of the women indicated they were currently in full-time or part-time employment, while 42% were indicated they were undertaking parental/home duties.

#### IMPACT

PUBLIC HEALTH CAMPAIGNS ARE NEEDED TO ADDRESS THE HIGH LEVELS OF UNCERTAINTY WITH REGARDS TO RECEIVING THE COVID-19 VACCINE.

1. Silva DT, Hagemann E, Davis JA et al. Introducing the ORIGINS project: a community-based interventional birth cohort. *Rev Environ Health* 2020; **35** (3): 281-93. doi: 10.1515/reveh-2020-0057