

# SARS-CoV-2 Vaccine Effectiveness against Omicron Variant in Infection-Naive Population, Australia, 2022

## Appendix

Until October 14, 2022, SARS-CoV-2 testing was notifiable in WA and all clinical pathology laboratories were required to report results to the WA Department of Health. During January 1, 2020–January 31, 2022, a total of 2,003,941 SARS-CoV-2 PCR test results were reported; 1,527 persons, <0.001% of the state’s 2.8 million population) had  $\geq 1$  more positive result (1). All persons with a positive result were investigated by contact tracers, and 134 (8%) of all reported infections were attributed to transmission within WA.

The low incidence of SARS-CoV-2 infections reported before February 2022 is corroborated by serologic testing of a representative sample of WA blood donor specimens collected between February 23 and March 3, 2022, when just 5 of 999 (0.5%; 95% CI 0.2%–1.2%) specimens were positive for nucleocapsid antibodies, indicative of prior infection (2). In contrast, 983 (98.4%; 95% CI 97.4%–99.1%) of the specimens were positive for spike antibodies, reflecting high vaccination rates, consistent with data from the Australian Immunisation Register (AIR, <https://www.servicesaustralia.gov.au/australian-immunisation-register>). Reporting COVID-19 vaccinations to this national population-based register is mandatory. As of February 1, 2022, AIR data indicated that 91% (1,928,167) of the population  $\geq 16$  years of age in WA had received 2 doses of a COVID-19 vaccine and 38% (780,374) of the eligible population  $\geq 18$  years of age had received a third (booster) dose (3,4).

## References

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