

# Nursing home

A nursing home is a [facility](#) for the residential [care](#) of [elderly](#) or disabled people. Nursing homes may also be referred to as skilled nursing [facility](#), long-term care facilities, old people's homes, care homes, rest homes, convalescent homes or convalescent care.

Nursing homes for [older adults](#) have concentrated large numbers of severe cases and deaths for COVID-19.

Point seroprevalence study of nursing homes to describe the demography and characteristic of SARS-CoV-2 IgG-positive residents and staff.

Clinical information and blood samples were available for 9,332 residents (mean age  $86.7 \pm 8.1$  years, 76.4% women) and 10,614 staff (mean age  $45.6 \pm 11.5$ , 86.2% women). Up to 84.4% of residents had frailty, 84.9% co-morbidity and 69.3% cognitive impairment; 65.2% of workers were health-aides. COVID-19 seroprevalence was 55.4% (95% CI, 54.4-56.4) for older adults and 31.5% (30.6-32.4) for staff. In multivariable analysis frailty of residents was related with seropositivity (OR: 1.19,  $p = 0.02$ ). In the case of staff, age  $> 50$  years (2.10,  $p < 0.001$ ), obesity (1.19,  $p = 0.01$ ), being a health-aide (1.94,  $p < 0.001$ ), working in a center with high seroprevalence in residents (3.49,  $p < 0.001$ ), and contact with external cases of COVID-19 (1.52,  $p < 0.001$ ) were factors associated with seropositivity. Past symptoms of COVID-19 were good predictors of seropositivity for residents (5.41,  $p < 0.001$ ) and staff (2.52,  $p < 0.001$ ).

Level of dependency influences risk of COVID-19 among residents. Individual and work factors, and contacts outside the nursing home are associated with COVID-19 exposure in staff members. It is key to strengthen control measures to prevent the introduction of COVID-19 into care facilities from the community <sup>1)</sup>.

<sup>1)</sup>

Candel FJ, Barreiro P, San Román J, Carretero MM, Sanz JC, Perez-Abeledo M, Ramos B, Viñuela-Prieto JM, Canora J, Martínez-Peromingo FJ, Barba R, Zapatero A. The Demography and Characteristic of SARS-CoV-2 Sero-positive Residents and Staff of Nursing Homes for Older Adults in the Community of Madrid: the SeroSOS Study. Age Ageing. 2021 May 4;afab096. doi: 10.1093/ageing/afab096. Epub ahead of print. PMID: 33945607.

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