

Figure 1 of the additional material. Temporal distribution of confirmed SARS-CoV-2 infections in the Madrid population older than 75 years between March 1, 2020 and January 31, 2021.

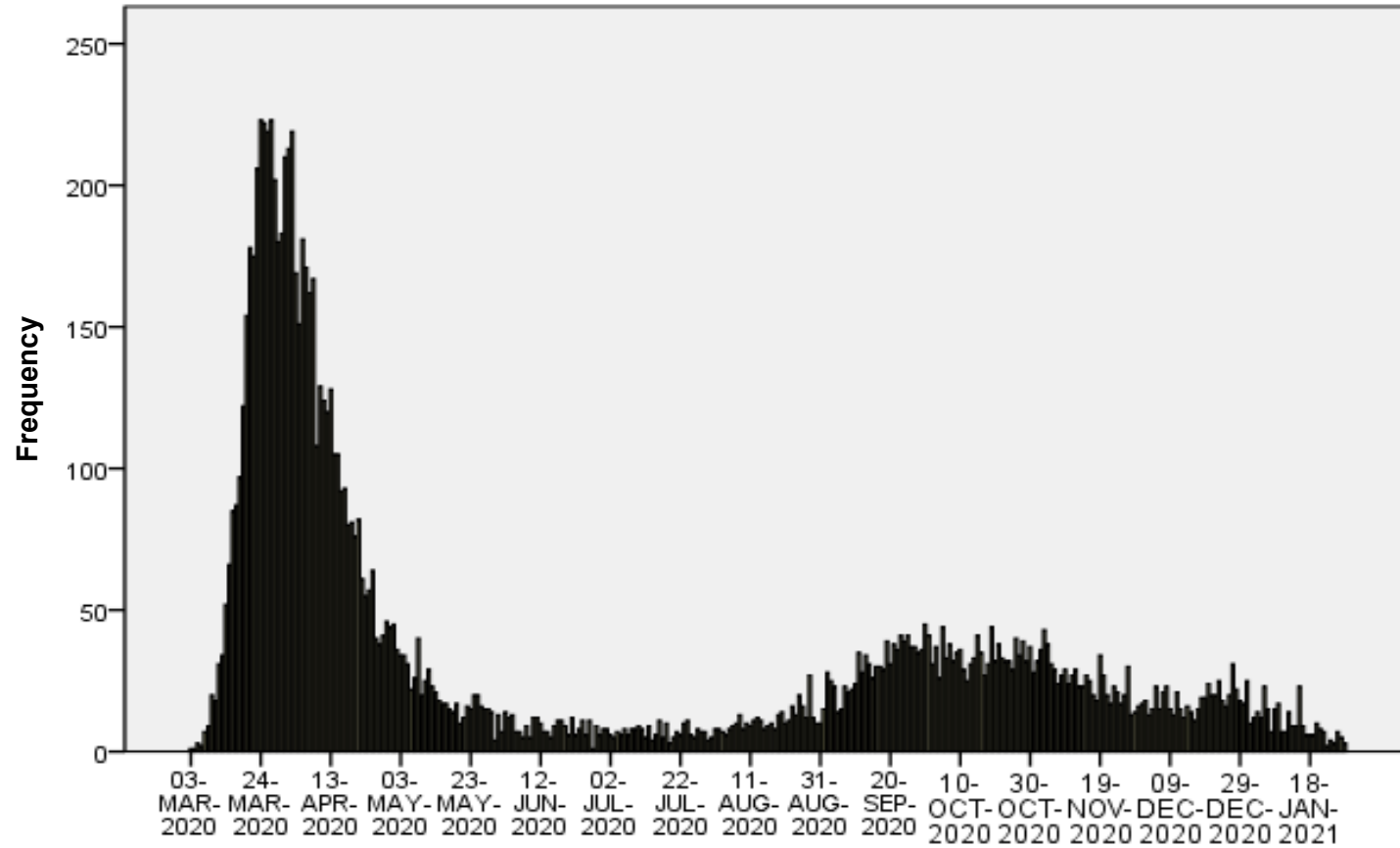


Table 1 of the additional material. Multinomial (population older than 75 years of the Community of Madrid) and binary logistic regression analysis (patients infected with and hospitalized due to SARS-CoV-2) of factors associated with mortality.

	Total population*		Infected patients		Hospitalized patients	
	587,603		41,603		22,362	
	OR	95%CI	OR	95%CI	OR	95%CI
Age (for each year)	1.078	1.075-1.082	1.075	1.070-1.079	1.073	1.068-1.079
Men vs. women	1.984	1.906-2.065	2.038	1.942-2.139	1.653	1.557-1.754
Deprivation index (ref. less deprivation)						
Low-medium deprivation	1.369	1.299-1.442	1.195	1.122-1.272	1.203	1.110-1.304
Medium-high deprivation	1.176	1.115-1.241	1.155	1.083-1.231	1.101	1.016-1.193
Highest deprivation	1.128	1.067-1.191	1.026	0.961-1.096	0.947	0.873-1.027
Active cancer during the last 5 years	1.569	1.458-1.688	1.396	1.274-1.530	1.303	1.165-1.458
Chronic liver disease	1.350	1.136-1.604	1.205	0.977-1.485	1.178	0.920-1.508
Hypertension	1.046	1.006-1.088	0.977	0.932-1.025	0.950	0.896-1.008
Diabetes	1.298	1.245-1.354	1.158	1.101-1.218	1.097	1.032-1.167
Atrial fibrillation	1.358	1.296-1.423	1.214	1.146-1.285	1.186	1.105-1.273
Thromboembolism	1.488	1.373-1.612	1.231	1.115-1.359	1.137	1.008-1.282

Chronic renal failure	1.283	1.202-1.370	1.245	1.148-1.350	1.139	1.032-1.167
Heart failure	1.824	1.718-1.937	1.422	1.319-1.533	1.311	1.195-1.439
Chronic obstructive pulmonary disease or asthma	1.270	1.203-1.342	1.039	0.973-1.111	0.916	0.847-0.992
Rheumatoid arthritis	1.114	1.008-1.231	0.993	0.881-1.118	1.015	0.877-1.175
Alzheimer's disease	2.526	2.399-2.660	1.351	1.268-1.440	1.426	1.312-1.549
Cardiovascular disease	1.378	1.318-1.440	1.188	1.126-1.254	1.128	1.055-1.205
Excessive alcohol consumption	1.160	0.996-1.350	1.041	0.865-1.252	0.955	0.765-1.192
Tobacco use	1.061	0.974-1.157	1.124	1.011-1.249	1.129	0.995-1.281

*Multinomial regression (deaths due to COVID-19 vs. survivors).

Table 2 of the additional material. Characteristics of patients of the Community of Madrid older than 75 years who died due to SARS-CoV-2 during the first (March 1, 2020 to June 30, 2020) and subsequent waves (July 1, 2020 to January 31, 2021)

	Until 06/30/2020	From 7/1/2020 to 1/31/2021	<i>p</i>
	14,050	8,312	
Age (years)	84.6 ± 5.8	85.0 ± 5.8	<0.0001
Sex (% male)	50.4	46.1	<0.0001
Deprivation index (%)			<0.0001
Low deprivation	22.4	22.7	
Low-medium deprivation	26.2	22.8	
Medium-high deprivation	25.7	27.3	
High deprivation	25.8	27.2	
Active cancer during the last 5 years (%)	6.8	6.0	0.011
Chronic liver disease (%)	1.3	1.2	0.399
Hypertension (%)	63.0	66.9	<0.0001
Diabetes (%)	29.4	30.9	0.010
Atrial fibrillation (%)	19.9	20.6	0.124
Prior thromboembolic disease (%)	5.5	5.5	0.493

Chronic renal failure (%)	8.2	9.3	0.002
Heart failure (%)	10.6	10.5	0.400
Chronic obstructive pulmonary disease or asthma (%)	14.9	16.2	0.005
Rheumatoid arthritis (%)	3.9	3.9	0.508
Alzheimer's disease (%)	12.9	12.3	0.122
Cardiovascular disease (%)	23.6	23.9	0.351
Excessive alcohol consumption (%)	1.6	1.7	0.163
Tobacco use (%)	5.5	5.2	0.138

Table 3 of the additional material. Factors associated with mortality during the first (before July 1, 2020, 7,466 deaths) and second waves (July 1, 2020 to January 31, 2021, 3,588 deaths) in the total Madrid population older than 75 years (587,603 subjects), in 41,643 subjects with confirmed SARS-CoV-2 infection, and in 22,362 patients hospitalized due to this infection.

	Total population*		Infected patients		Hospitalized patients	
	Until 06/30/2020	From 7/1/2020 to 1/31/2021	Until 06/30/2020	From 7/1/2020 to 1/31/2021	Until 06/30/2020	From 7/1/2020 to 1/31/2021
Age (for each year)	1.072 (1.068-1.076)	1.089 (1.083-1.095)	1.058 (1.053-1.064)	1.101 (1.093-1.108)	1.075 (1.068-1.082)	1.084 (1.074-1.093)
Men vs. women	2.111 (2.004-2.223)	1.808 (1.689-1.935)	1.887 (1.773-2.009)	1.968 (1.817-2.131)	1.587 (1.475-1.709)	1.630 (1.474-1.804)
DI2011 (ref. low deprivation)						
Low-medium deprivation	1.401 (1.309-1.499)	1.247 (1.140-1.364)	1.204 (1.112-1.305)	1.140 (1.025-1.268)	1.165 (1.055-1.286)	1.237 (1.076-1.422)
Medium-high deprivation	1.167 (1.089-1.251)	1.162 (1.063-1.271)	1.284 (1.182-1.396)	1.070 (0.963-1.188)	1.134 (1.026-1.254)	1.045 (0.913-1.197)
Highest deprivation	1.102 (1.026-1.184)	1.092 (0.996-1.198)	1.081 (0.994-1.176)	0.976 (0.876-1.087)	0.934 (0.843-1.033)	0.951 (0.829-1.090)
Active cancer during the last 5 years	1.482 (1.347-1.631)	1.641 (1.453-1.853)	1.271 (1.129-1.430)	1.511 (1.299-1.757)	1.206 (1.052-1.383)	1.442 (1.188-1.751)
Chronic liver disease	1.265 (1.006-1.592)	1.537 (1.165-2.028)	1.044 (0.798-1.367)	1.424 (1.012-2.002)	1.001 (0.736-1.363)	1.590 (1.053-2.401)
Hypertension	1.003 (0.953-1.055)	1.134 (1.060-1.214)	0.995 (0.936-1.057)	1.017 (0.939-1.101)	0.948 (0.882-1.020)	0.973 (0.879-1.078)
Diabetes	1.270 (1.202-1.341)	1.341 (1.250-1.438)	1.161 (1.088-1.239)	1.172 (1.079-1.274)	1.137 (1.052-1.228)	1.064 (0.959-1.180)

Atrial fibrillation	1.352 (1.271-1.437)	1.355 (1.252-1.466)	1.264 (1.173-1.362)	1.157 (1.116-1.330)	1.238 (1.133-1.354)	1.100 (0.977-1.239)
Thromboembolism	1.536 (1.386-1.703)	1.480 (1.294-1.692)	1.212 (1.066-1.377)	1.247 (1.060-1.468)	1.199 (1.032-1.393)	1.048 (0.854-1.286)
Chronic renal failure	1.209 (1.108-1.319)	1.373 (1.235-1.527)	1.217 (1.092-1.357)	1.317 (1.159-1.496)	1.086 (0.957-1.232)	1.228 (1.047-1.439)
Heart failure	1.852 (1.714-2.002)	1.751 (1.586-1.934)	1.331 (1.206-1.469)	1.484 (1.314-1.677)	1.292 (1.149-1.451)	1.288 (1.103-1.503)
Chronic obstructive pulmonary disease or asthma	1.220 (1.136-1.310)	1.420 (1.299-1.552)	0.975 (0.894-1.063)	1.149 (1.032-1.278)	0.908 (0.822-1.003)	0.943 (0.827-1.076)
Rheumatoid arthritis	1.101 (0.966-1.255)	1.139 (0.964-1.347)	0.972 (0.797-1.187)	0.989 (0.819-1.193)	0.986 (0.823-1.182)	1.026 (0.799-1.318)
Alzheimer's disease	2.537 (2.373-2.713)	2.402 (2.202-2.620)	1.020 (0.726-1.432)	1.951 (1.294-2.943)	0.852 (0.577-1.259)	2.028 (1.145-3.592)
Cardiovascular disease	1.311 (1.238-1.389)	1.483 (1.378-1.596)	1.130 (1.053-1.212)	1.278 (1.171-1.396)	1.069 (0.983-1.161)	1.241 (1.110-1.388)
Excessive alcohol consumption	1.117 (0.916-1.362)	1.160 (0.895-1.503)	1.005 (0.791-1.276)	1.116 (0.820-1.520)	1.001 (0.757-1.324)	0.929 (0.642-1.344)
Tobacco use	1.033 (0.923-1.155)	1.137 (0.985-1.314)	1.026 (0.895-1.177)	1.289 (1.084-1.533)	1.056 (0.903-1.234)	1.289 (1.038-1.599)

*Multinomial regression (alive, deaths due to COVID-19, and deaths due to causes other than COVID-19).