

Supplementary Table S2. Univariate negative binomial regression of factors influencing the cluster characteristics (size, hospital admissions, deaths, duration) (negative binomial regression) for the period from June 22, 2020 to January 2, 2022, Belgium.

	Cases	Hospital admissions	Deaths	Duration of clusters (days)
	Estimate (Wald 95% CI)	Estimate (Wald 95% CI)	Estimate (Wald 95% CI)	Estimate (Wald 95% CI)
Ownership				
<i>Public</i>	Ref.	Ref.	Ref.	Ref.
<i>Private nonprofit</i>	-0.003 (-0.11 – 0.11)	-0.15 (-0.34 – -0.04)	0.13 (-0.06 – 0.31)	-0.05** (-0.11 – -0.001)
<i>Private for-profit</i>	-0.10* (-0.22 – 0.02)	-0.13 (-0.32 – 0.07)	-0.39*** (-0.58 – -0.19)	-0.06 ** (-0.11 – -0.004)
Size				
<i>Small</i>	-0.15** (-0.24 – -0.06)	-0.05 (-0.20 – 0.11)	-0.08 (-0.24 – 0.07)	-0.10*** (-0.14 – -0.05)
<i>Large</i>	Ref.	Ref.	Ref.	Ref.
Region				
<i>Flanders</i>	Ref.	Ref.	Ref.	Ref.
<i>Brussels</i>	-0.004** (-0.42 – -0.11)	0.25** (0.08 – 0.41)	-0.80*** (-1.07 – -0.54)	-0.04 (-0.11 – 0.04)
<i>Wallonia</i>	-0.26 (-0.42 – -0.11)	-0.34** (-0.61 – -0.06)	-0.74*** (-0.90 – -0.58)	-0.04 (-0.05 – 0.04)
Wave				
<i>Interwave 1</i>	Ref.	Ref.	Ref.	Ref.
<i>2nd wave</i>	1.37*** (1.12 – 1.62)	0.98*** (0.53 – 1.42)	1.42*** (0.99 – 1.85)	0.45*** (0.33 – 0.58)
<i>3th wave</i>	0.18 (-0.11 – 0.47)	-0.41 (-0.93 – 0.12)	-0.48* (-0.99 – 0.03)	0.20** (0.05 – 0.34)
<i>Interwave 2</i>	0.38** (0.07 – 0.68)	-0.40 (-0.95 – 0.16)	-0.61** (-1.16 – -0.06)	0.41*** (0.25 – 0.56)
<i>4th wave</i>	0.35** (0.08 – 0.62)	-0.41* (0.88 – 0.07)	-0.61** (-1.16 – -0.06)	0.39*** (0.26 – 0.52)
<i>5th wave</i>	0.97*** (0.60 – 1.35)	-1.32** (-2.17 – -0.48)	-1.59*** (-2.47 – -0.71)	0.72*** (0.53 – 0.91)
Previous cluster				
<i>No</i>	Ref.	Ref.	Ref.	Ref.
<i>Yes</i>	-0.39*** (0.53 – -0.26)	-0.54*** (-0.76 – -0.32)	-0.40*** (-0.63 – -0.18)	-0.06* (-0.12 – 0.005)
Start vaccination				
<i>Vaccination not started</i>	Ref.	Ref.	Ref.	Ref.
<i>First dose given</i>	-0.59*** (-0.79 – -0.38)	-0.87*** (-1.23 – -0.50)	-0.70*** (-1.02 – -0.36)	-0.19*** (-0.30 – -0.09)
<i>Second dose given</i>	-0.95*** (-1.04 – -0.86)	-1.37*** (-1.54 – -1.20)	-1.96*** (-2.13 – -1.79)	-0.06 (-0.10 – -0.01)

*P<0.1, **P<0.05, ***P<0.001