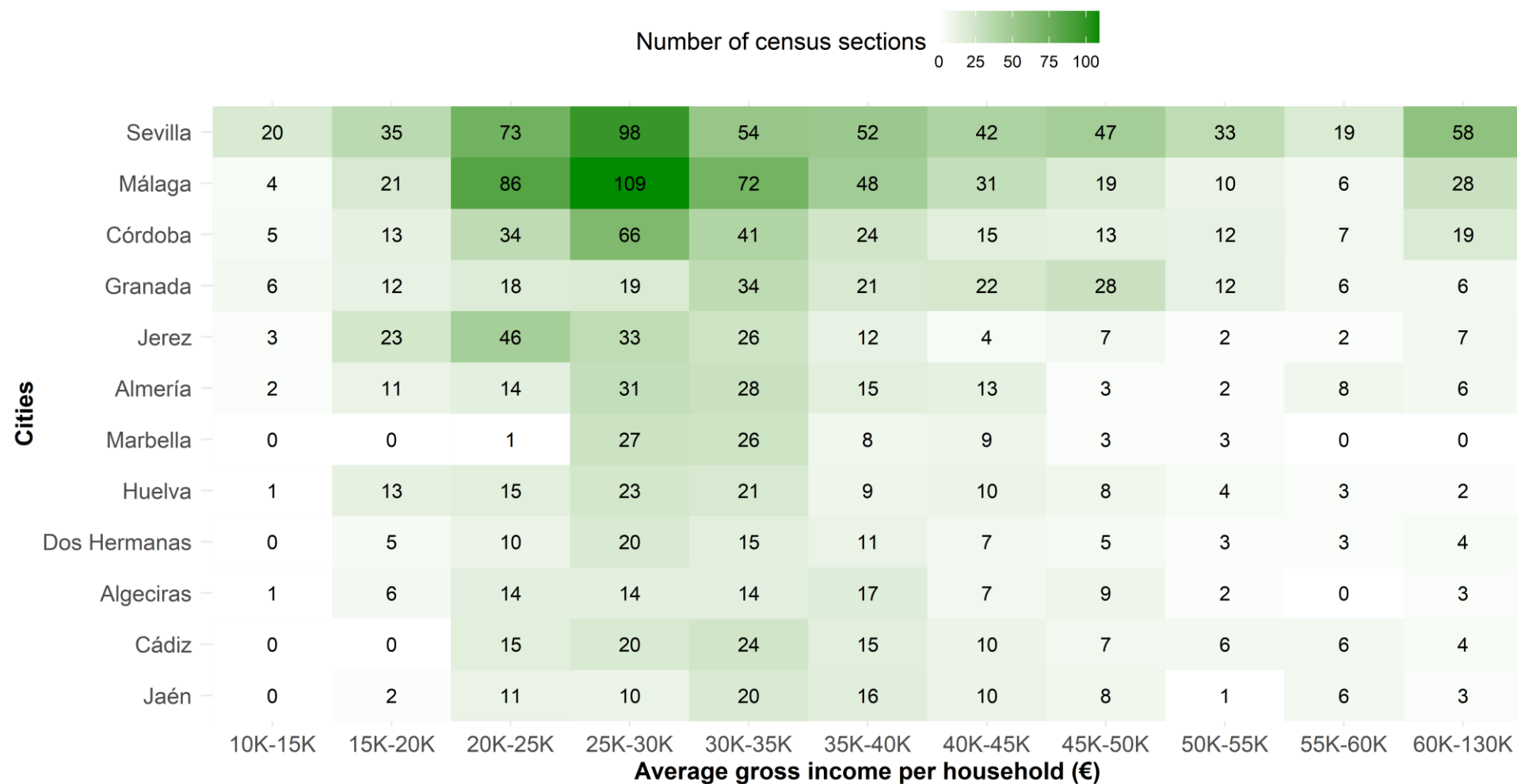
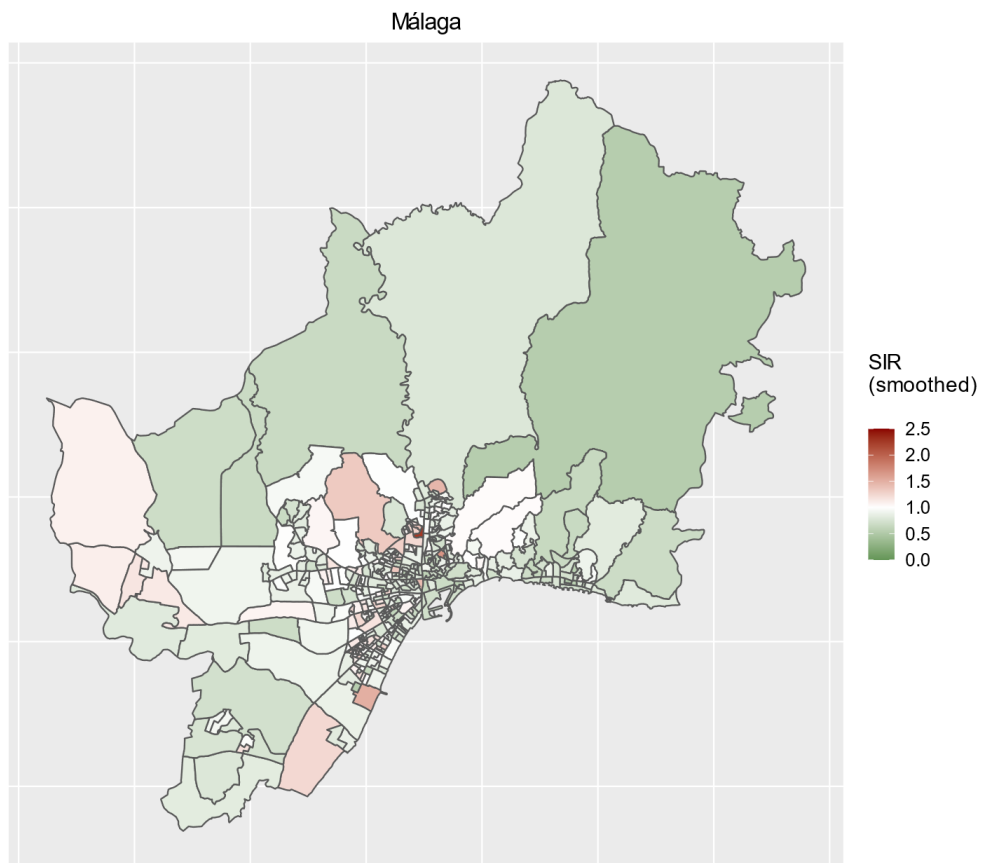
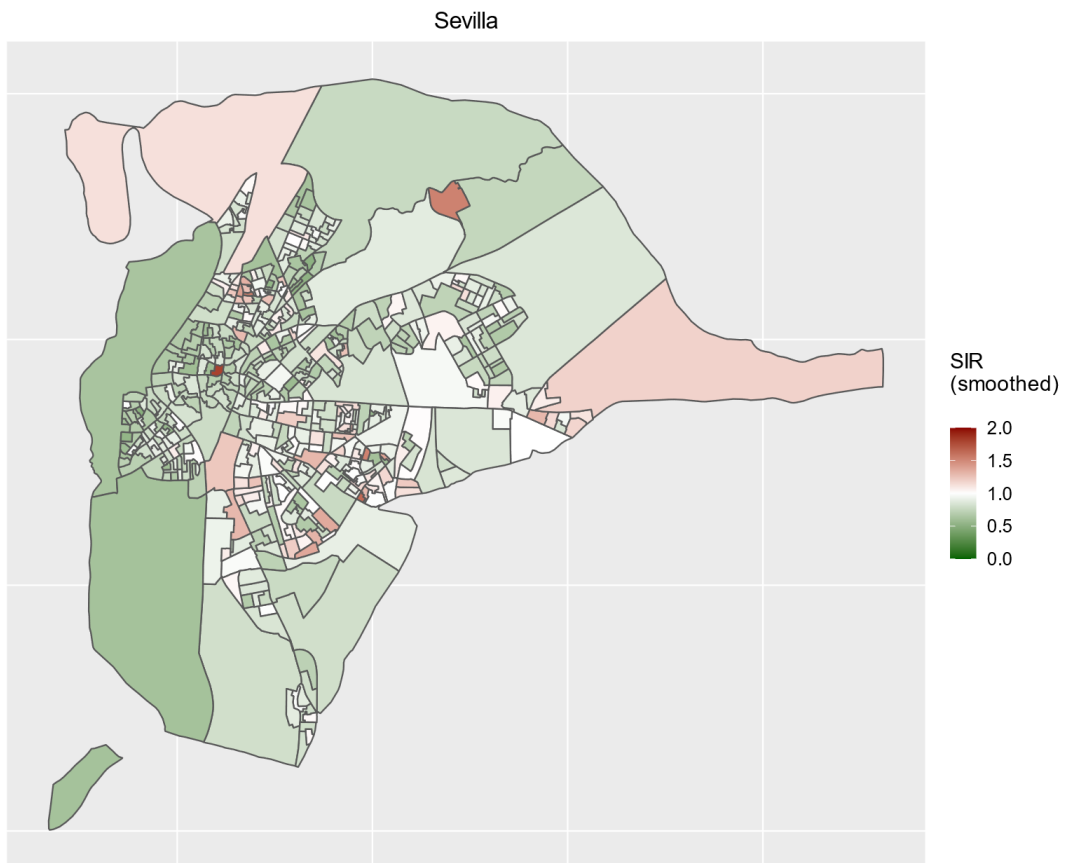


Supplementary File 1. Distribution of annual average gross income per household, by urban area.

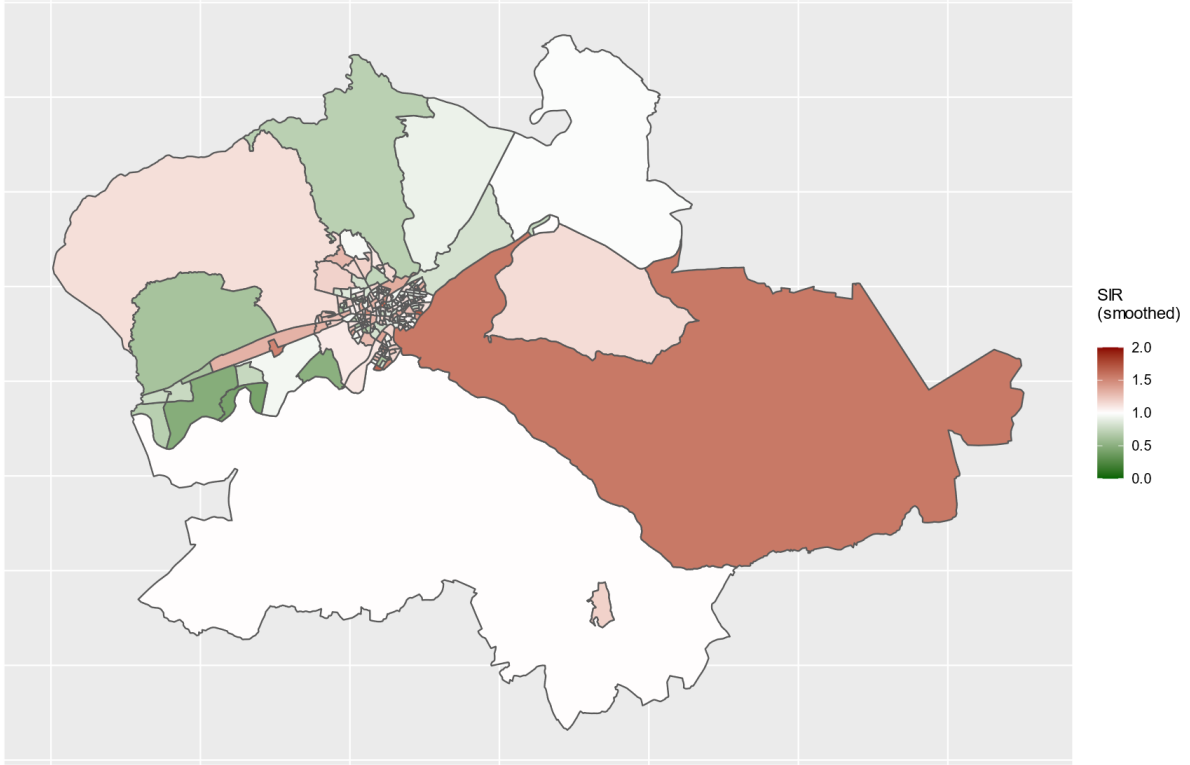


*Average gross income's last category represents a substantially larger income range.

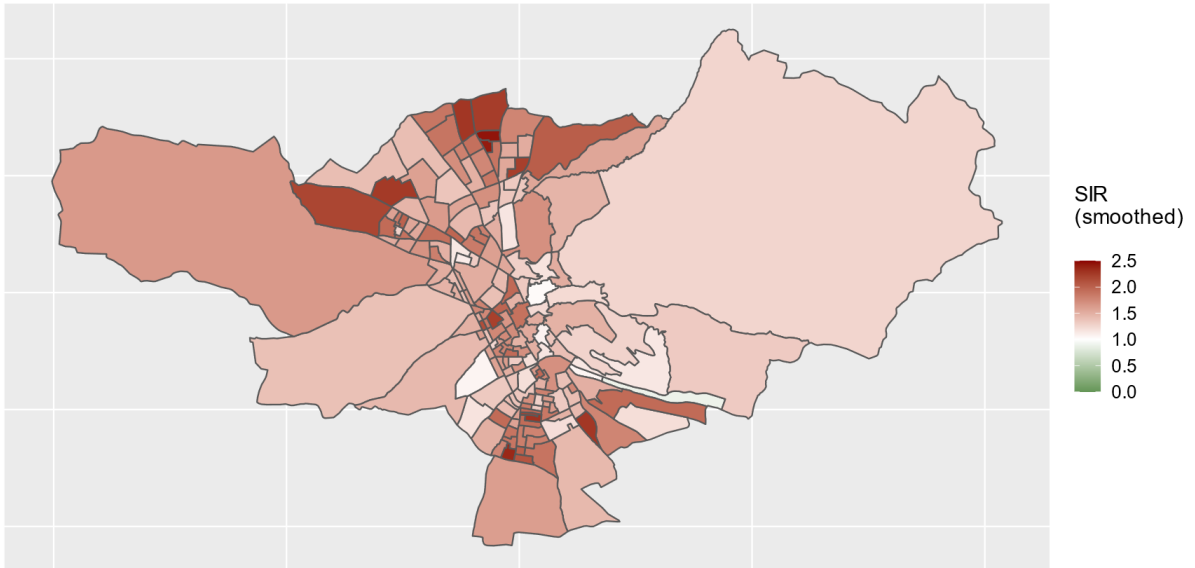
Supplementary File 2. Distribution of the smoothed standardised incidence ratio (SIR) of infection in the second and third epidemic waves, by urban area.



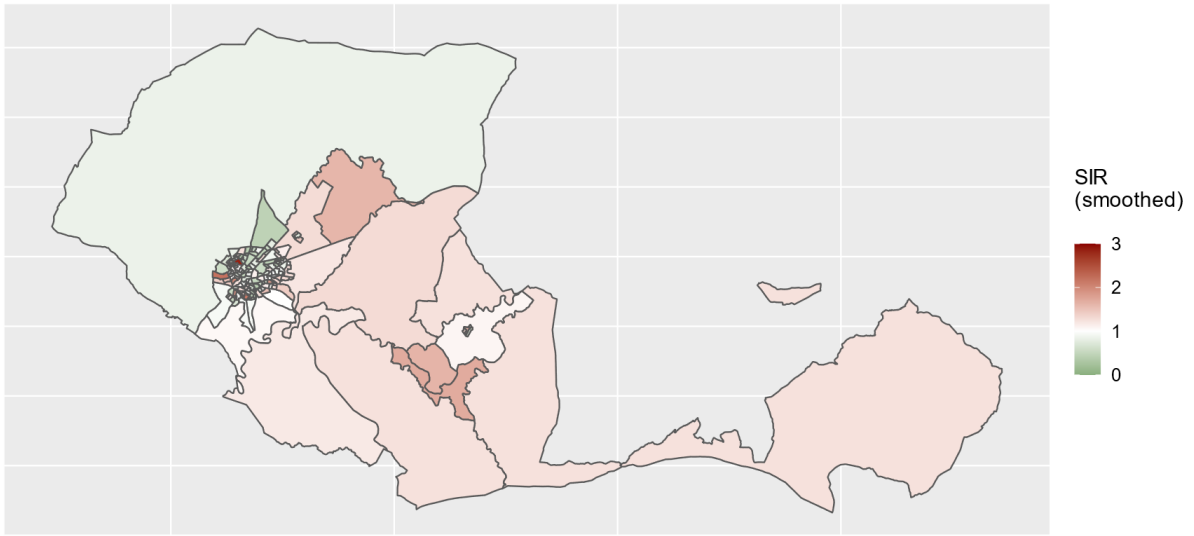
Córdoba



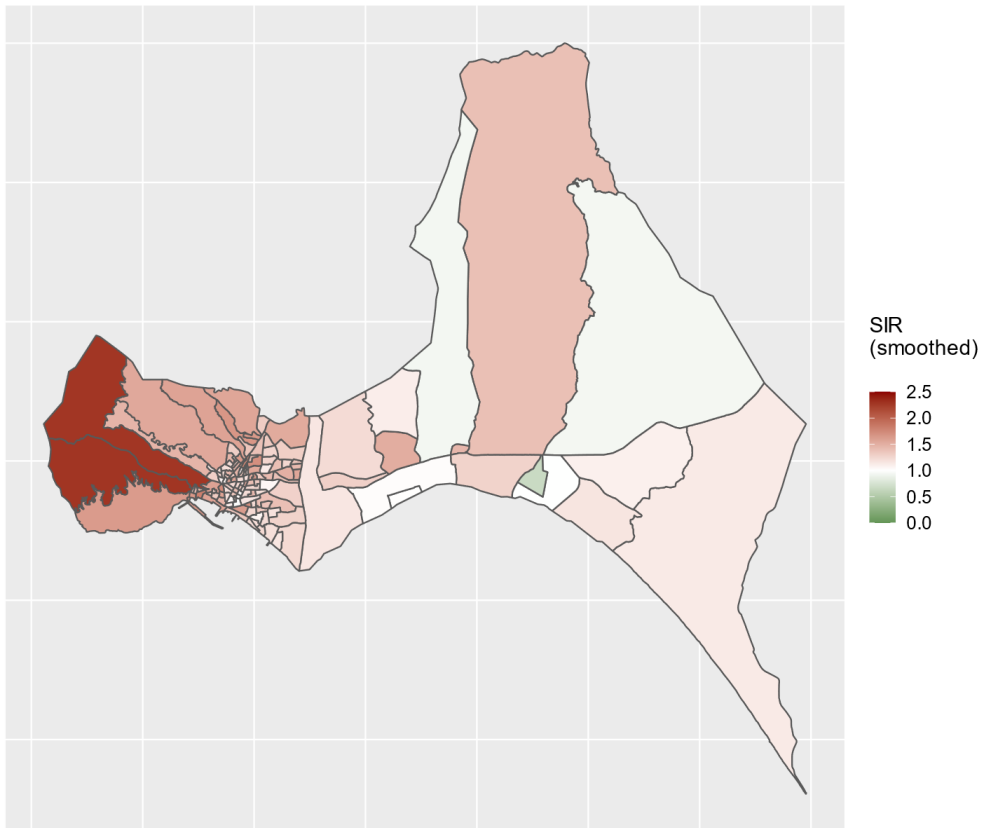
Granada



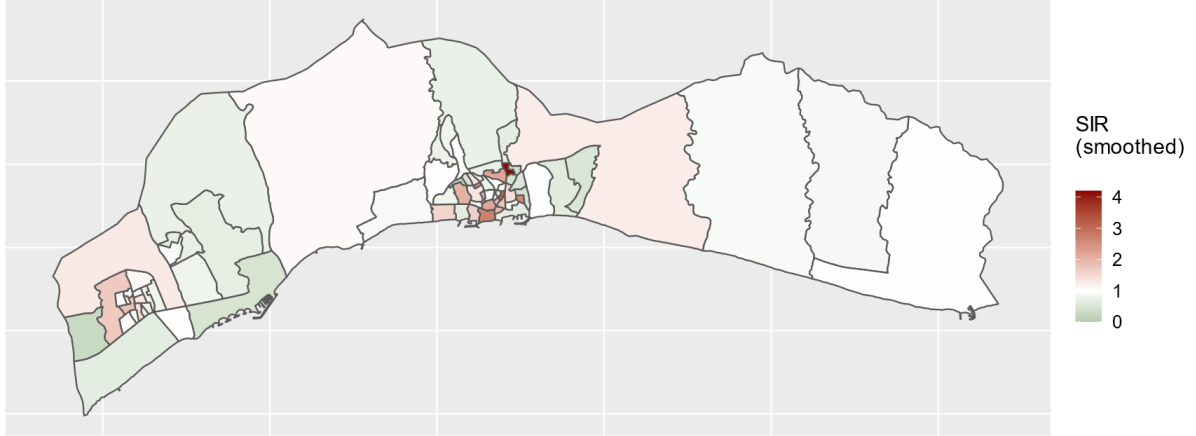
Jerez



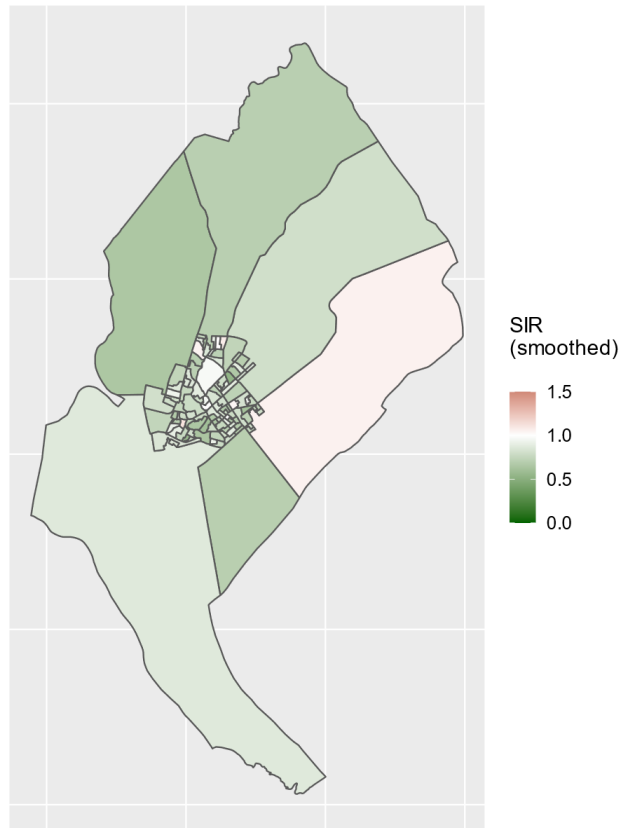
Almería



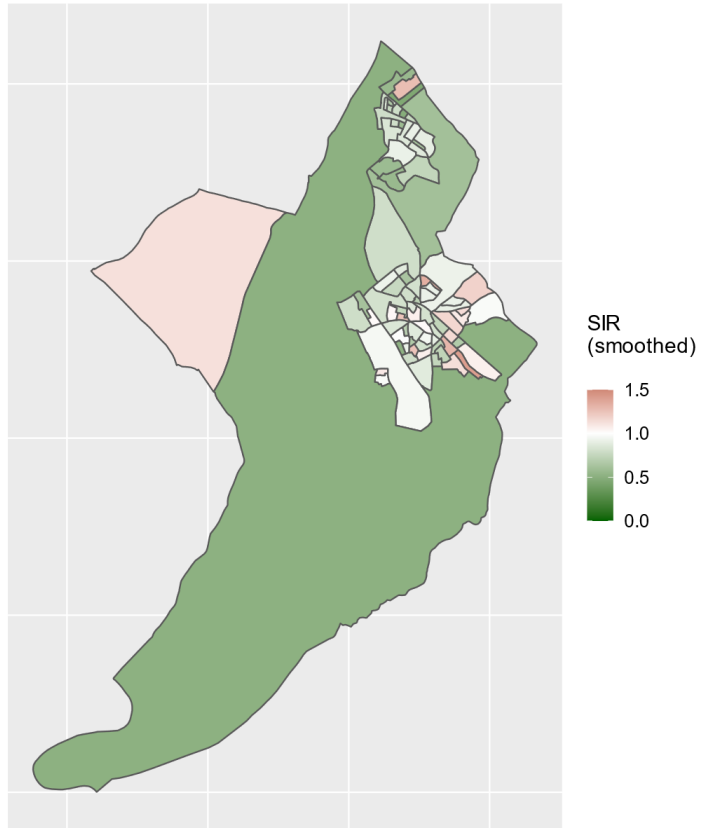
Marbella



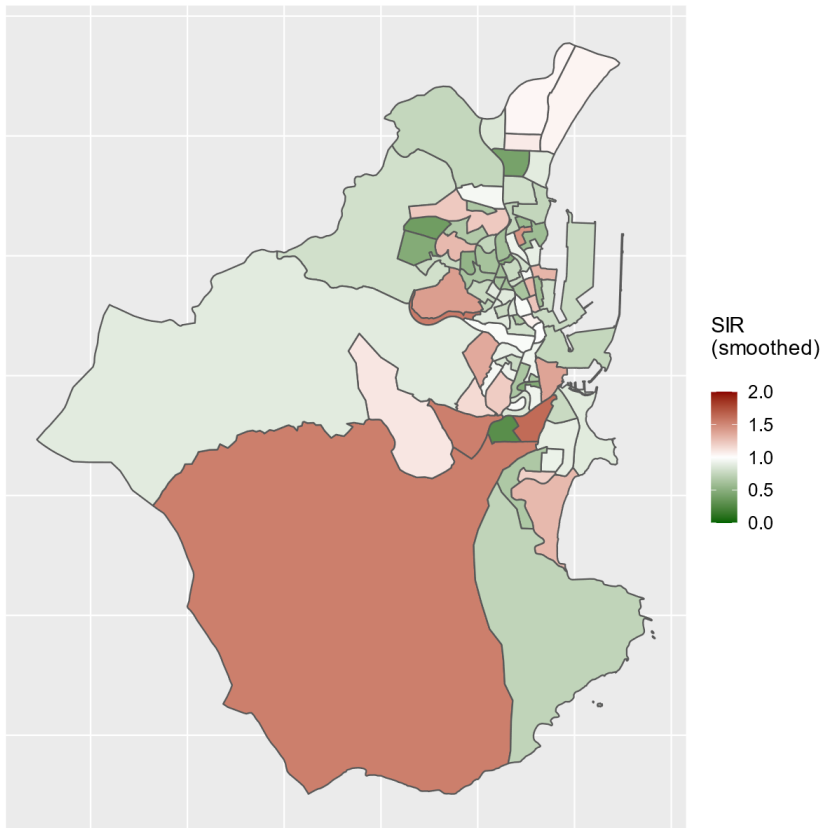
Huelva



Dos Hermanas



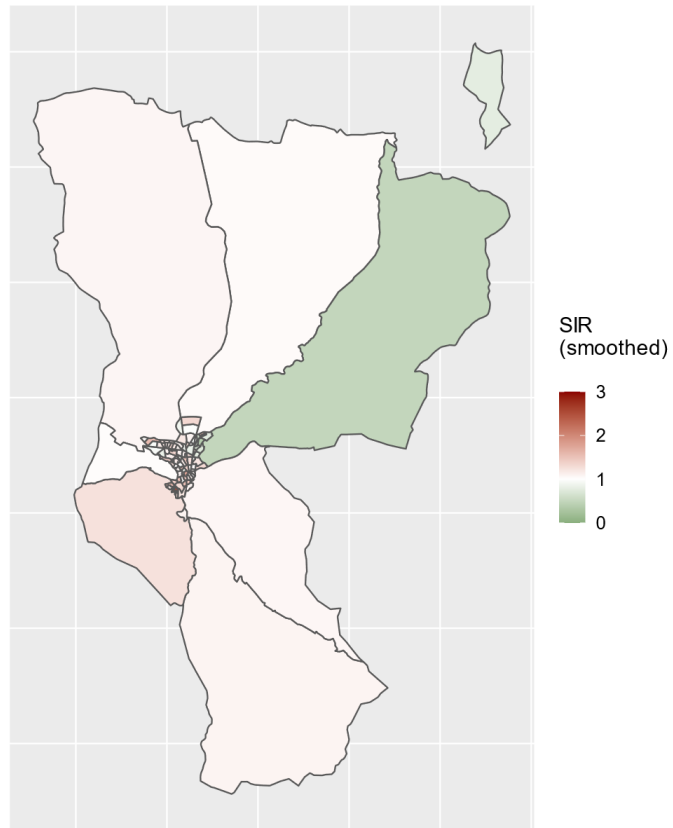
Algeciras



Cádiz



Jaén



Supplementary File 3. Results of the spatial regression model, by time window and urban area.

MUNICIPALITY	RR 1st wave. Cases (95% CI)	RR 2nd-3rd wave Cases (95% CI)	RR 1st wave. Hospitalizations (95% CI)	RR 2nd-3rd wave. Hospitalizations (95% CI)	RR 1st wave. Deaths (95% CI)	RR 2nd-3rd wave. Deaths (95% CI)
Sevilla	2.40 (2.01-2.87)*	0.91 (0.85-0.98)*	1.51 (1.12-2.10)*	0.66 (0.57-0.76)*	0.97 (0.50-1.85)	0.51 (0.41-0.64)*
Málaga	2.51 (2.09-3.02)*	0.96 (0.88-1.05)	1.54 (1.18-2.06)*	0.59 (0.50-0.70)*	0.87 (0.49-1.49)	0.42 (0.29-0.61)*
Córdoba	2.32 (1.84-2.94)*	1.00 (0.91-1.11)	1.47 (1.05-2.04)*	0.76 (0.63-0.91)*	0.67 (0.19-2.18)	0.54 (0.35-0.84)*
Granada	1.66 (1.29-2.16)*	0.88 (0.78-1.00)*	1.04 (0.78-1.39)	0.60 (0.48-0.76)*	1.01 (0.51-2.07)	0.65 (0.47-0.90)*
Jerez	1.28 (0.88-1.85)	1.14 (0.87-1.49)	0.98 (0.57-1.66)	0.60 (0.41-0.88)*	0.48 (0.11-1.87)	0.52 (0.32-0.84)*
Almería	3.94 (2.62-5.90)	0.84 (0.75-0.94)*	3.61 (1.62-8.08)*	0.54 (0.43-0.68)*	0.23 (0.01-3.82)	0.65 (0.38-1.11)
Marbella	2.09 (1.09-3.93)*	1.00 (0.49-2.03)	4.12 (1.41-11.75)*	0.60 (0.26-1.41)	2.91 (0.15-45.38)	0.47 (0.13-1.59)
Huelva	1.70 (1.09-.69)*	1.07 (0.93-1.23)	0.77 (0.38-1.56)	0.63 (0.46-0.86)*	0.18 (0.03-0.89)*	0.51 (0.23-1.14)
Dos Hermanas	2.83 (1.79-4.47)*	0.87 (0.72-1.08)	2.35 (1.12-4.84)*	0.66 (0.47-0.92)*	3.85 (0.42-28.42)	0.35 (0.15-0.81)*
Algeciras	1.28 (0.80-2.04)	0.84 (0.65-1.07)	0.42 (0.19-0.91)*	0.41 (0.29-0.56)*	0.18 (0.03-0.90)*	0.38 (0.21-0.67)*
Cádiz	3.46 (2.01-5.91)*	1.17 (0.92-1.50)	3.48 (1.53-7.84)*	0.64 (0.44-0.96)*	0.65 (0.07-5.19)	0.47 (0.17-1.21)
Jaén	3.36 (2.32-4.88)*	1.19 (0.94-1.51)	2.60 (1.55-4.35)*	0.87 (0.57-1.32)	3.06 (0.72-13.07)	0.43 (0.19-0.97)*

RR: Relative risk (smoothed); CI: credibility interval. Asterisks indicate statistically-significant associations.