

Supplementary material

Table S1. Joinpoint regression analysis of suicide method used according to residential area and sex

	Urban					Rural				
	Rate per 100,000		2010-2022	Trends		Rate per 100,000		2010-2022	Trends	
	2010	2022	AAPC	Period	APC %	2010	2022	AAPC	Period	APC %
Overall	11.2	12.7	0.8 (-0.1, 1.7)	2010-13 2013-22	4.7* (1.0, 12.5) -0.5 (-3.1, 0.2)	16.2	16.7	-0.5 (-1.5, 0.6)		
Sex										
Men	20.4	20.7	-0.3 (-1.1, 0.6)			29.9	29.8	-0.7 (-2.1, 0.8)		
Women	4.7	6.7	2.6*(1.7, 3.7)	2010-16 2016-19 2019-22	5.2* (3.3, 9.8) -6.0*(-9.2, -0.9) 6.4*(2.0, 14.3)	5.2	5.4	0.0 (-2.5, 2.1)	2010-13 2013-22	-2.3*(-13.4, -0.3)

*p-value<0.05

Table S2. Joinpoint regression analysis of suicide method used according to residential area and sex

	Urban					Rural				
	Rate		2010-2022	Trends		Rate		2010-2022	Trends	
	2010	2022	AAPC	Period	APC %	2010	2022	AAPC	Period	APC %
Hanging										
Men	10.9	9.1	-1,6*(-2.4, -0.4)			21.9	21.7	0.4 (-1.0, 2.0)	2010-14	2,9 (-0.7, 12.8)
									2014-19	-6,7* (-14.0, -3.9)
									2019-22	9,8*(1.8, 22.8)
Women	1.4	1.1	-1,1 (-3.9, 1.7)			2.6	2.4	-2.0 (-5.6, 1.5)		
Jumping										
Men	5.4	6.6	2,9*(1,7, 5,2)	2010-13	12,3* (5,6, 31,0)	2.6	1.8	-5.0 (-11.2, 3.4)	2010-20	1,8 (-2,9, 36.1)
				2013-16	-7,4*(-12,1, -0,8)				2020-22	-32,9*(-56,5,-1.1)
				2016-22	3,9*(0,9, 13,7)					
Women	1.8	3.7	3,7*(0,4, 7,4)			0.7	0.9	1.5(-3.8, 7.4)		
Poisoning										
Men	0.8	1.5	5,7*(2.6, 8.7)	2010-12	29,4*(5,5, 55,4)	0.2	1.9	7,9*(1,2, 18,0)		
				2012-22	1,5 (-4,0, 3,4)					
Women	0.8	1.2	3,2*(1.1, 5.6)			0.8	1.0	5,7 (-0,2, 13,4)		
Other methods										
Men	3.3	3.4	-0,3 (-2,3, 1,9)	2010-16	3,4* (0,4, 17,3)	5.1	4.4	0,3 (-2,5, 3,4)		
				2016-22	-3,9*(-13,9, -1,1)					
Women	0.6	0.7	-2,6 (-8,4, 3,1)	2010-15	5,4 (-5,1, 57,1)	1.0	1.0	-3,6 (-9,4, 1,6)	2010-15	6,4 (-2,3, 49,4)
				2015-22	-8,0*(-35,0, -0,7)				2015-22	-10,1*(-33,9, -5,1)

AAPC: Average Annual Percentage Change; APC: Annual Percentage Change

Figure S1. Geographic distribution of suicide rates in individuals aged 64 and older residing in urban and rural areas in Spain, period: 2018-2022.

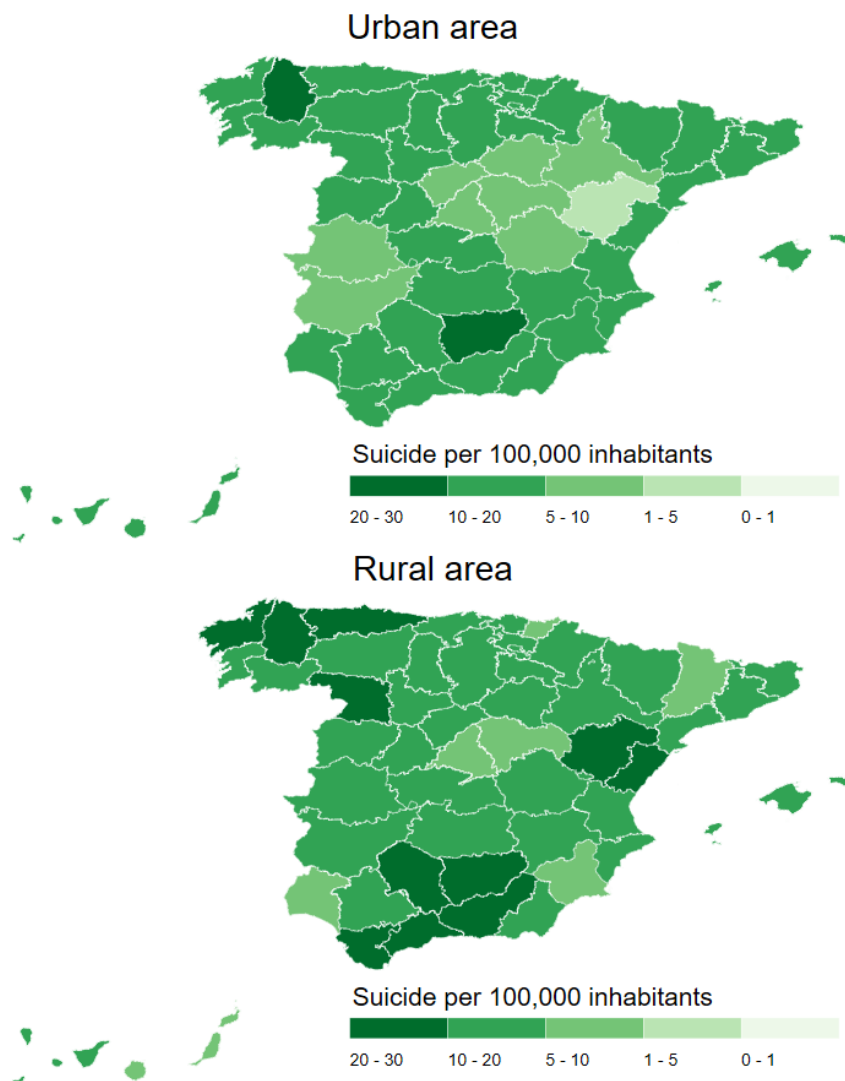


Figure S2. Geographic distribution of suicide rates in men over 64 years old residing in urban areas in Spain, period: 2018-2022

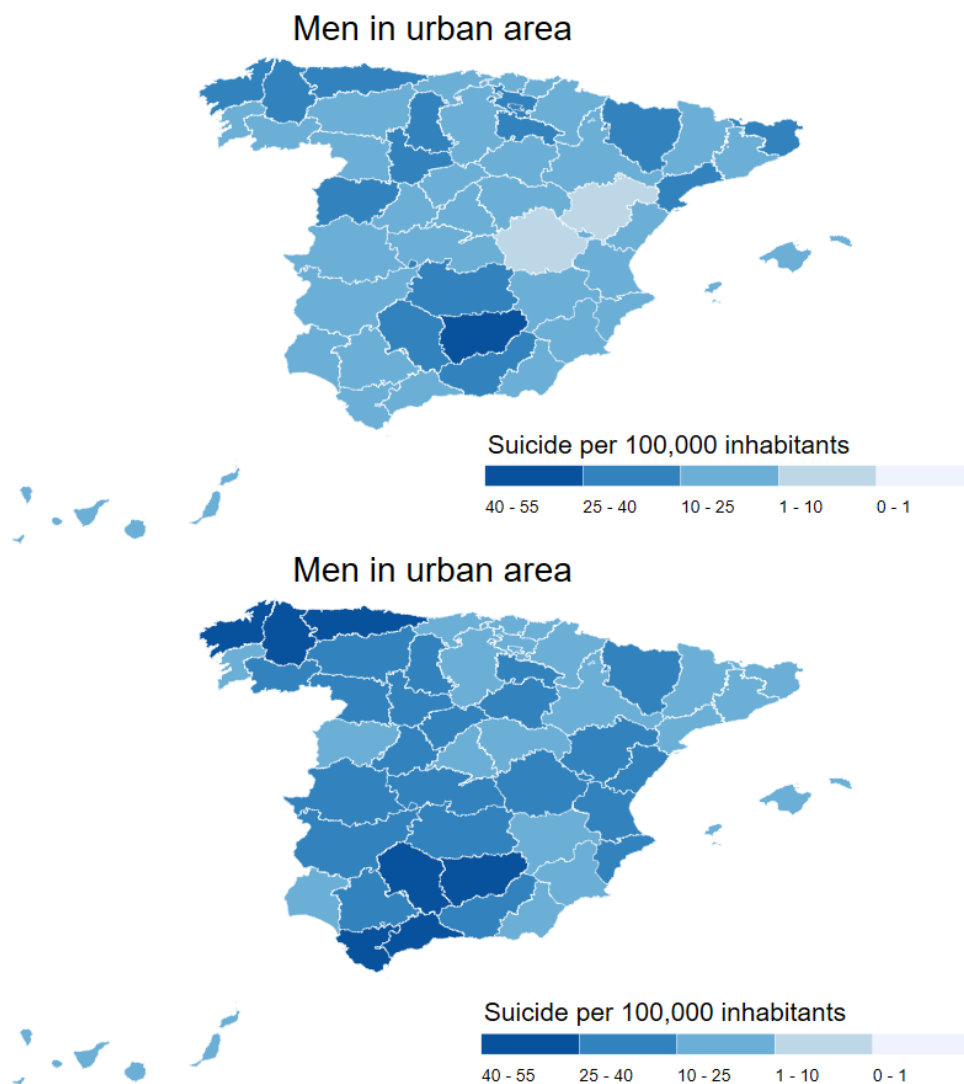


Figure S3. Geographic distribution of suicide rates in women over 64 years old residing in urban areas in Spain, period: 2018-2022

