Table S1. ICD-9-CM and ICD-10-CM codes for diagnoses and procedures used in this investigation.

		ICD 9	ICD 10
ATRIAL FIBRILLATION/FLUTTER			
	Diagnoses	427.31 427.32	I48
KIDNEY TRANSPLANT			
	Procedures	55.6, 55.61, 55.69	0TYxxxx
	Diagnoses	996.81	T86.1, T86.10, T86.11, T86.12, T86.13, T86.19
LIVER TRANSPLANT			
	Procedures	50.5, 50.51, 50.59	0FY0
	Diagnoses	996.82	T86.4, T86.40, T86.41, T86.42, T86.43, T86.49
HEART TRANSPLANT			
	Procedures	37.51	02YA0Zx
	Diagnoses	996.83	T86.2 , T86.20, T86.21, T86.22, T86.23, T86.29, T86.290, T86.298
LUNG TRANSPLANT			
	Procedures	33.50, 33.51, 33.52	0BYC, 0BYD, 0BYF, 0BYG, 0BYH, 0BYJ, 0BYK 0BYL, 0BYM
	Diagnoses	996.84	T86.81, T86.810, T86.10, T86.811, T86.812, T86.813, T86.819
CYTOMEGALOVIRUS INFECTION		078.5	B25.x
PNEUMONIA		481-486 997.31	J13-J18, J95.851
URINARY TRACT INFECTION		599.0	N39.0
LEUCOPENIA		288.50, 288.51, 288.59	D72.810, D72.818, D72.819
CIRRHOSIS		571.2, 571.5, 571.6	K70.3x, K71.7, P78.81, K74.3, K74.4, K74.5, K74.6x
HOSPITAL-ACQUIRED PNEUMONIA		481-486, 997.31	JI3-JI8, J95.851
COVID-19			U07.1

Table S2. Multivariate analysis of the factors associated with in-hospital mortality among patients who underwent a solid organ transplant in Spain from 2004 to 2021 including the cardiovascular diseases of the Charlson Comorbidity Index

		KIDNEY	**LIVER**	**HEART**	**LUNG**	**ALL**
		OR (95% CI)	**OR (95% CI)**	**OR (95% CI)**	**OR (95% CI)**	**OR (95% CI)**
Sex	Female	1.29(1.09-1.53)	1.09(0.95-1.23)	1.24(1.04-1.48)	1.14(0.96-1.37)	1.12(1.04-1.21)
Age groups	<45 years	1	1	1	1	1
	45-54 years	2.05(1.48-2.83)	0.92(0.77-1.1)	1(0.79-1.27)	1.2(0.93-1.55)	1.24(1.1-1.38)
	55-64 years	2.54(1.88-3.44)	1.04(0.88-1.23)	1.36(1.1-1.67)	1.16(0.92-1.46)	1.64(1.48-1.82)
	≥ 65 years	4.15(3.09-5.58)	1.59(1.3-1.94)	1.41(1.08-1.83)	0.95(0.66-1.37)	1.54(1.37-1.74)
Myocardial infarction		3,17(2,35-4,28)	2.97(1.93-4.58)		4.15(2.24-7.69)	1.83(1.58-2.12)
Congestive cardiac failure		3,14(2,47-3,99)	3.05(2.35-3.94)		2.69(1.95-3.72)	2.51(2.29-2.77)
Cerebral vascular disease		1.9(1.24-2.9)	3.99(2.85-5.59)	1.5(1.11-2.01)	2.83(1.93-4.15)	2.49(2.1-2.96)
Complications		2.2(1.86-2.6)	3.27(2.91-3.68)	1.15(0.98-1.36)	1.1(0.93-1.31)	2.23(2.07-2.4)
Urinary tract infection		0.41(0.3-0.56)		0.64(0.44-0.92)		0.4(0.34-0.48)
Cytomegalovirus		2.07(1.36-3.14)				
Leucopenia				2.51(1.01-6.33)		
Hospital acquired pneumonia		5.28(2.65-11.32)	3.04(2.47-3.73)	2.23(1.7-2.92)	2.64(2.08-3.34)	4.65(4.11-5.26)
Year of transplant	2004-2009	1	1	1	1	1
	2010-2015	0.64(0.52-0.79)	0.8(0.7-0.92)	0.92(0.76-1.11)	0.47(0.38-0.58)	0.72(0.66-0.78)
	2016-2021	0.6(0.49-0.74)	0.71(0.62-0.82)	0.73(0.6-0.88)	0.37(0.3-0.45)	0.61(0.55-0.66)
Atrial fibrillation/atrial flutter		2.02(1.59-2.56)	1.64(1.28-2.09)	1.08(0.9-1.3)	1.24(0.99-1.57)	1.61(1.45-1.8)

OR: Odds ratio. 95% CI: 95% confidence interval.