

Supplementary Table 1. ICD-10 codes for diagnosis and therapeutic procedures and pressure ulcers used in this investigation

	ICD-10 codes
Computerized axial tomography of thorax	BW24
Bronchial fibroscopy	0BJ08ZZ
No invasive mechanical ventilation	5A09357, 5A09457, 5A09557
Invasive mechanical ventilation	5A1945Z, 5A1955Z, 5A1935Z
Dyalisis	5A1D00Z, 5A1D60Z,3E1M39Z
Pressure ulcers	L89.xxx

Supplementary Table 2. Distribution of pneumonia pathogens in patients with and without T2DM hospitalized with community-acquired pneumonia (CAP), ventilator-associated pneumonia (VAP) and non-ventilator hospital-acquired pneumonia (NV-HAP) in Spain (2016-17), after propensity score matching.

	CAP		p-value	VAP		p-value	NV-HAP		p-value
	T2DM	No T2DM		T2DM	No T2DM		T2DM	No T2DM	
<i>Streptococcus pneumoniae</i> , n(%)	4528(7.19)	4904(7.79)	<0.001	9(1.79)	9(1.79)	1.000	72(1.87)	72(1.87)	1.000
<i>Klebsiella pneumoniae</i> ,n(%)	306(0.49)	321(0.51)	0.548	11(2.18)	12(2.38)	0.833	69(1.79)	63(1.64)	0.598
<i>Haemophilus Influenzae</i> , n(%)	450(0.71)	463(0.74)	0.666	1(0.2)	5(0.99)	0.101	21(0.55)	36(0.94)	0.046
<i>P. aeruginosa</i> , n(%)	604(0.96)	708(1.12)	0.004	20(3.97)	22(4.37)	0.753	110(2.86)	116(3.01)	0.685
Non specifiied Streptococcus, n(%)	137(0.22)	139(0.22)	0.904	0(0)	3(0.6)	0.083	9(0.23)	7(0.18)	0.617
<i>Staphylococcus aureus</i> , n(%)	516(0.82)	493(0.78)	0.467	5(0.99)	17(3.37)	0.010	54(1.4)	69(1.79)	0.173
<i>Escherichia coli</i> , n(%)	253(0.4)	288(0.46)	0.132	5(0.99)	6(1.19)	0.762	38(0.99)	51(1.33)	0.166
Other Gram negative bacteria, n(%)	338(0.54)	385(0.61)	0.080	13(2.58)	15(2.98)	0.701	80(2.08)	75(1.95)	0.685
Candidiasis, n(%)	89(0.14)	94(0.15)	0.711	8(1.59)	17(3.37)	0.068	16(0.42)	14(0.36)	0.714
<i>Aspergillus</i> , n(%)	42(0.07)	52(0.08)	0.302	1(0.2)	6(1.19)	0.058	5(0.13)	12(0.31)	0.089
<i>Legionella</i> , n(%)	27(0.04)	26(0.04)	0.891	1(0.2)	3(0.6)	0.316	0(0)	1(0.03)	0.317