

Supplementary table 1 Characteristics of patients dying from cancer and non-cancer diseases (diabetes, dementia, heart failure, ischemic heart disease, stroke, chronic liver disease, and chronic obstructive pulmonary disease) in Denmark between 2006 and 2016^a

	Total	Educational level ^b				Income level ^c		
		Unknown	Low	Middle	High	Low	Middle	High
Cancer patients, n (%)	169,694	12,719	74,340	61,685	20,950	35,188	82,323	52,183
Male, n (%)	87,944 (51.8)	5,680 (44.7)	33,525 (45.1)	37,701 (61.1)	11,038 (52.9)	13,877 (39.4)	43,601 (53.0)	30,466 (58.4)
Age, median (Q1; Q3)	74 (65; 82)	90 (86; 93)	76 (68; 82)	71 (63; 79)	70 (62; 79)	80 (73; 86)	76 (69; 83)	66 (59; 73)
Charlson Comorbidity Index score, n (%)								
Low (0)	46,808 (27.6)	4,231 (33.3)	19,777 (26.6)	16,609 (26.9)	6,191 (29.6)	10,400 (29.6)	21,414 (26.)	14,994 (28.7)
Moderate (1-2)	47,900 (28.2)	4,601 (36.2)	22,150 (29.8)	16,218 (26.3)	4,931 (23.5)	11,715 (33.3)	24,931 (30.3)	11,254 (21.6)
Severe (>2)	74,986 (44.2)	3,887 (30.6)	32,413 (43.6)	28,858 (46.8)	9,828 (46.9)	13,073 (37.2)	35,978 (43.7)	25,935 (49.7)
Geographical region of Residence, n (%)								
Capital Region	49,350 (29.1)	4,236 (33.3)	17,575 (23.6)	19,607 (31.8)	7,932 (37.9)	9,375 (26.6)	23,388 (28.4)	16,587 (31.8)
Zealand Region	28,491 (16.8)	1,786 (14.0)	12,799 (17.2)	10,861 (17.6)	3,045 (14.5)	5,649 (16.1)	13,846 (16.8)	8,996 (17.2)
Region of Southern Denmark	38,131 (22.5)	2,850 (22.4)	18,131 (24.6)	13,063 (21.2)	4,087 (19.5)	8,327 (23.7)	19,084 (23.2)	10,720 (20.5)
Central Denmark Region	34,906 (20.6)	2,484 (19.5)	16,193 (21.8)	12,178 (19.7)	4,051 (19.3)	7,433 (21.1)	16,794 (20.4)	10,679 (20.5)
North Denmark Region	18,816 (11.1)	1,363 (10.7)	9,642 (13.0)	5,976 (9.7)	1,835 (8.8)	4,404 (12.5)	9,211 (11.2)	5,201 (10.0)
Marital/cohabitation status, n (%)								
Living alone	81,883 (48.3)	9,462 (74.4)	39,750 (53.5)	24,579 (39.9)	8,092 (38.6)	34,402 (97.8)	41,506 (50.4)	5,975 (11.5)
Living with a partner	87,811 (51.8)	3,257 (25.6)	34,590 (46.5)	37,106 (60.2)	12,858 (61.4)	786 (2.2)	40,817 (49.6)	46,208 (88.6)
Non-cancer patients, n (%)^d	180,223	34,932	83,309	48,548	13,434	60,879	94,928	24,416
Male, n (%)	89,350 (49.6)	11,717 (33.5)	37,563 (45.1)	31,936 (65.8)	8,144 (60.6)	22,688 (37.3)	49,858 (52.5)	16,804 (68.8)
Age, median (Q1; Q3)	82 (73; 88)	92 (89; 95)	81 (73; 86)	77 (67; 84)	79 (69; 85)	85 (78; 90)	81 (73; 88)	70 (62; 81)

Charlson Comorbidity Index score, n (%)								
Low (score = 0)	54,152 (30.1)	11,794 (33.8)	23,898 (28.7)	14,101 (29.1)	4,359 (32.5)	19,006 (31.2)	26,720 (28.2)	8,426 (34.5)
Moderate (score = 1-2)	70,755 (39.3)	15,115 (43.3)	32,709 (39.3)	17,933 (36.9)	4,998 (37.2)	25,105 (41.2)	37,284 (39.3)	8,366 (34.3)
Severe (score >2)	55,316 (30.7)	8,023 (23.0)	26,702 (32.1)	16,514 (34.0)	4,077 (30.4)	16,768 (27.5)	30,924 (32.6)	7,624 (31.2)
Geographical region of Residence, n (%)								
Capital Region	52,179 (29.0)	10,562 (30.2)	19,859 (23.8)	16,348 (33.7)	5,410 (40.3)	15,917 (26.2)	27,592 (29.1)	8,670 (35.5)
Zealand Region	29,241 (16.2)	5,071 (14.5)	13,948 (16.7)	8,314 (17.1)	1,908 (14.2)	9,583 (15.7)	15,530 (16.4)	4,128 (16.9)
Region of Southern Denmark	41,376 (23.0)	8,021 (23.0)	20,349 (24.4)	10,417 (21.5)	2,589 (19.3)	14,761 (24.3)	21,750 (22.9)	4,865 (19.9)
Central Denmark Region	36,430 (20.2)	7,156 (20.5)	17,914 (21.5)	8,939 (18.4)	2,421 (18.0)	12,658 (20.8)	19,345 (20.4)	4,427 (18.1)
North Denmark Region	20,997 (11.7)	4,122 (11.8)	11,239 (13.5)	4,530 (9.3)	1,106 (8.2)	7,960 (13.1)	10,711 (11.3)	2,326 (9.5)
Marital/cohabitation status, n (%)								
Living alone	125,199 (69.5)	30,148 (86.3)	58,247 (69.9)	24,579 (39.9)	8,092 (38.6)	60,284 (99.0)	60,030 (63.2)	4,885 (20.0)
Living with a partner	55,024 (30.5)	4,784 (13.7)	25,062 (30.1)	37,106 (60.2)	12,858 (61.4)	595 (1.0)	34,898 (36.8)	19,531 (80.0)

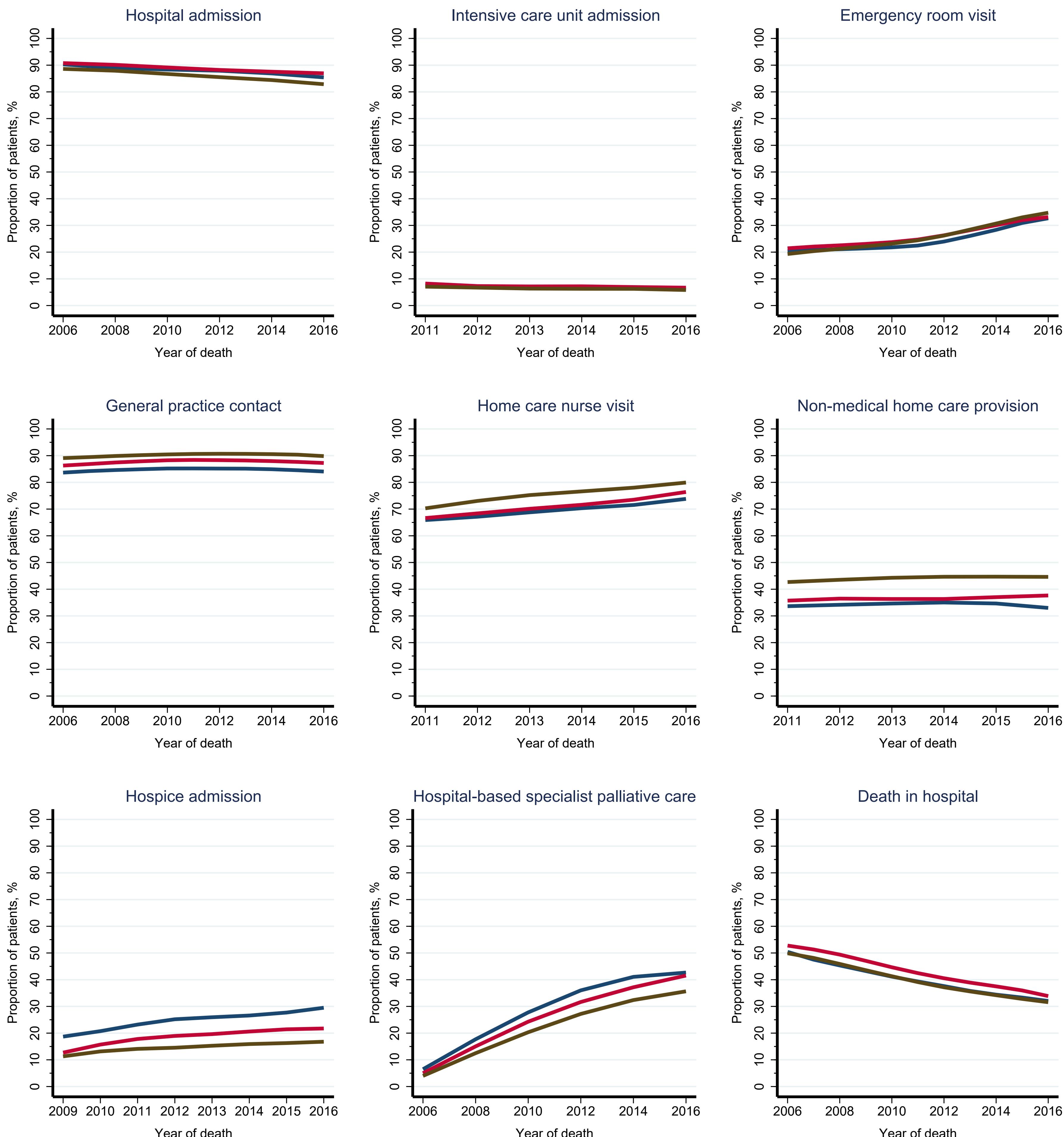
^a For the analyses of intensive care, we identified 178,179 patients (cancer: n=89,662; non-cancer: n=88,517) who died in the period from April 1, 2011 to December 31, 2016. From this population of decedents, we extracted 121,376 patients (cancer: n=61,066; non-cancer: n=60,310) for the analyses of home nursing and 125,981 patients (cancer: n=63,256; non-cancer: n=62,725) for the analyses of home care provision. For the analyses of hospice care, we identified 241,997 patients (cancer: n=120,092; non-cancer: n=121,905) who died in the period from April 1, 2009 to December 31, 2016.

^bEducational level according to the International Standard Classification of Education (ISCED) levels (low: 0–2; middle: 3–5; high: 6–8).

^c Income: low: below 50% of national median; middle: above 50% of national median, but below national median; high: above national median.

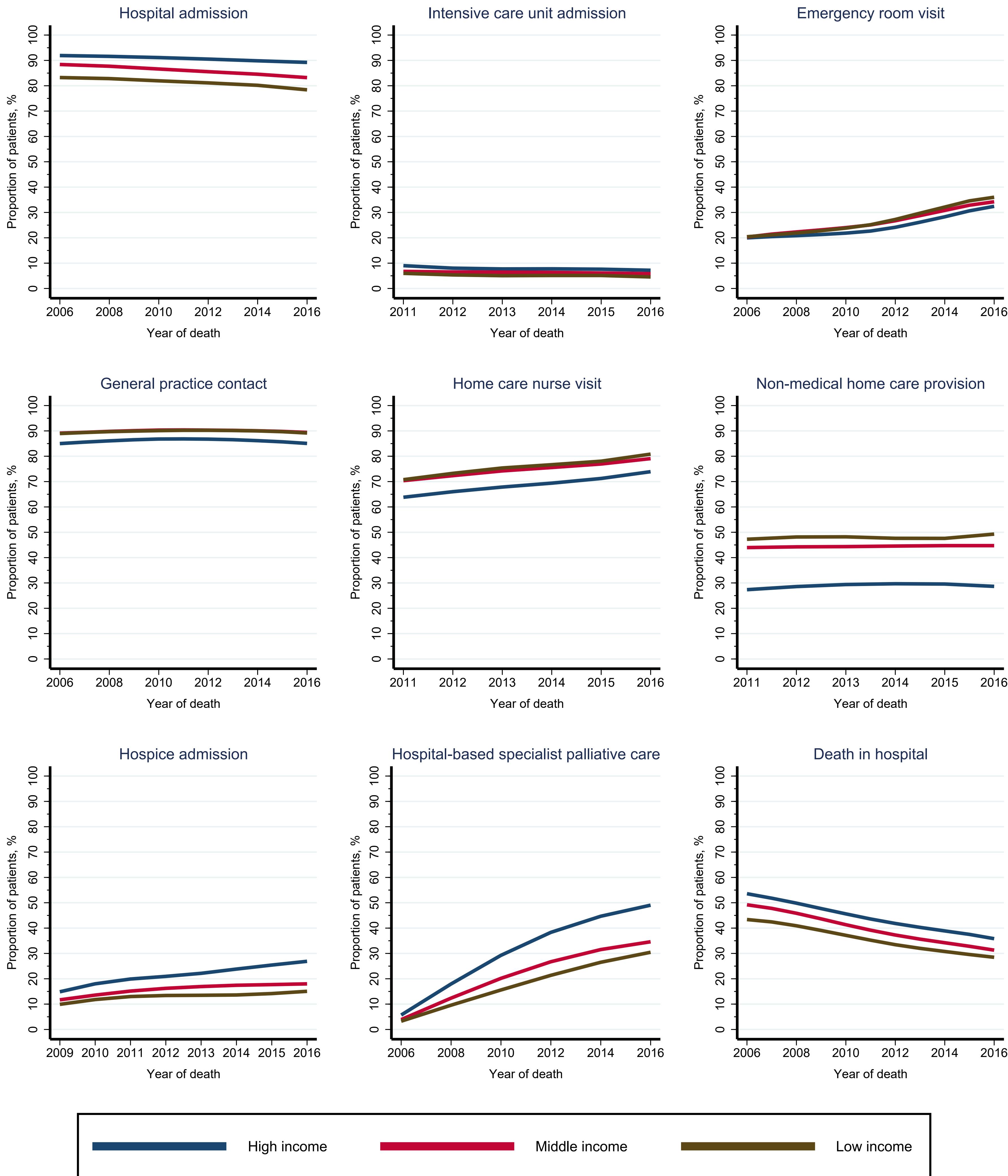
^d Non-cancer patients included: diabetes: n=14,657; dementia: n=9,871; heart failure: n=16,287; ischemic heart disease: n=53,209; stroke: n=40,906; chronic liver disease: n=8,668; chronic obstructive pulmonary disease: n=36,625.

Supplementary Figure 1 Use of healthcare services for **cancer patients** with low, middle, and high educational level according to calendar year of death.

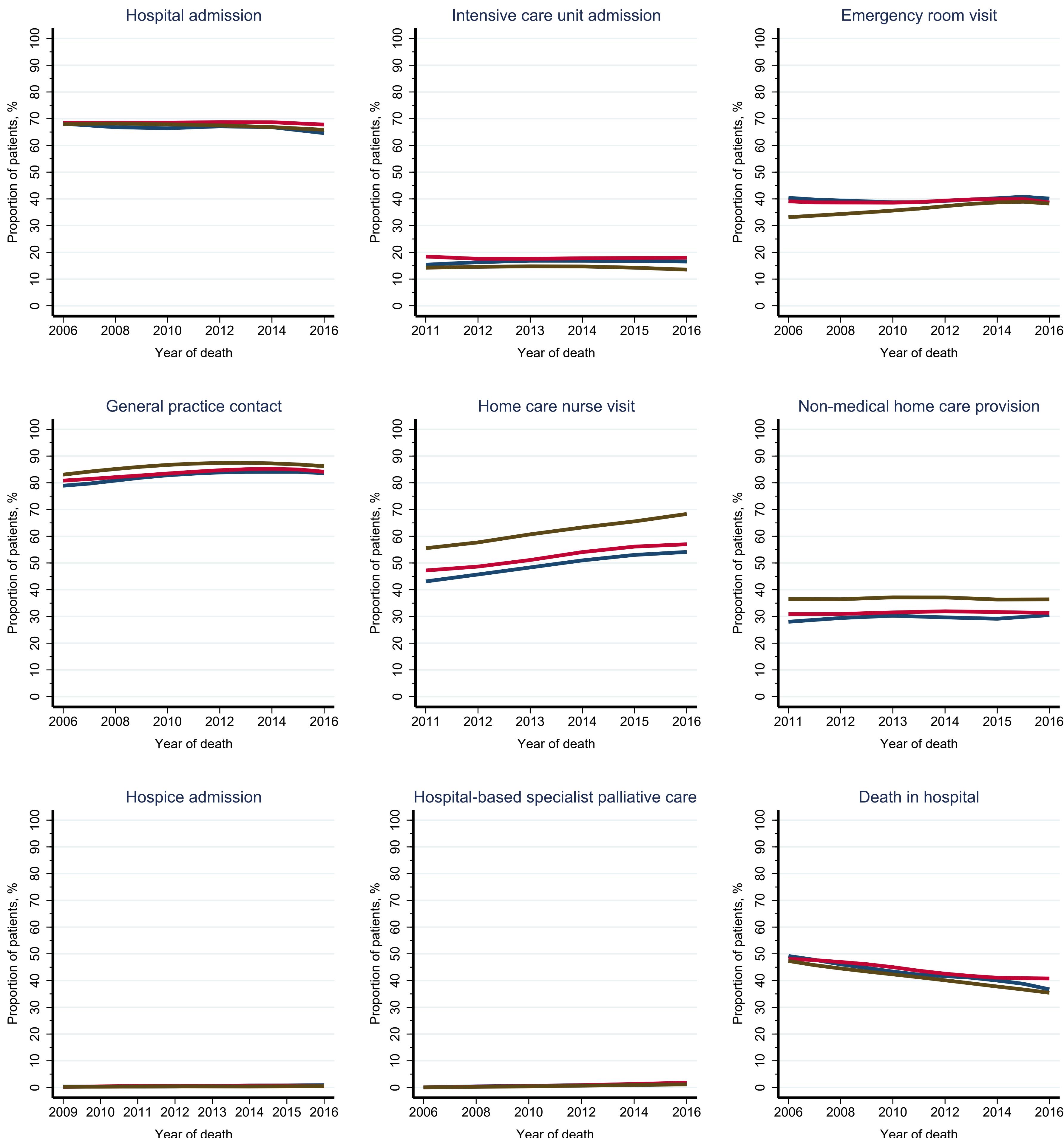


High educational level Middle educational level Low educational level

Supplementary Figure 2 Use of healthcare services for **cancer patients** with low, middle, and high income level according to calendar year of death.



Supplementary Figure 3 Use of healthcare services for **non-cancer patients** with low, middle, and high educational level according to calendar year of death.



High educational level Middle educational level Low educational level

Supplementary Figure 4 Use of healthcare services for **non-cancer patients** with low, middle, and high income level according to calendar year of death.

