

Implementation of Advance Care Planning in Dutch primary care. a pre- post evaluation study.**Supplementary File 3****Table A.3. Conversations on care preferences and Advance Directives before and after implementation of ACP**

	Pre measurement (n=458), n (%) ^a	Post measurement (n=458), n (%) ^a	OR (95% CI) Unadjusted (bivariate)	OR (95% CI) Adjusted for organisation; random intercept	Log likelihood test; chi2 (p-value) ^b
With regard to the following topics, have you thought about or spoken about care at the end of life?					
Hospitalisation in certain circumstances. Have you in the past 12 months...					
- Thought about it only (no further action)	136 (29.7)	118 (25.8)	0.82 (0.61 – 1.10)	0.82 (0.61 – 1.10)	1.41 (0.12)
- Spoken to GP about it	74 (16.2)	109 (23.0)	1.62 (1.17 – 2.25)	1.66 (1.18 – 2.32)	23.16 (<0.00)
- Spoken to other professional about it	22 (4.8)	27 (5.9)	1.24 (0.70 – 2.21)	1.24 (0.70 – 2.22)	0.57 (0.22)
- Spoken to someone else about it	158 (34.5)	131 (28.6)	0.76 (0.58 – 1.01)	0.76 (0.57 – 1.00)	5.23 (0.01)
- Written statement	76 (16.6)	122 (26.6)	1.83 (1.32 – 2.52)	1.84 (1.33 – 2.55)	6.84 (<0.00)
- None of the above	90 (19.7)	91 (19.9)	1.01 (0.73 – 1.40)	1.01 (0.73 – 1.41)	9.62 (<0.00)

IC admission. Have you in the past 12 months...					
- Thought about it only (no further action)	150 (32.8)	102 (22.3)	0.59 (0.44 – 0.79)	0.59 (0.44 – 0.79)	1.20 (0.14)
- Spoken to GP about it	40 (8.7)	75 (16.4)	2.05 (1.36 – 3.08)	2.12 (1.40 – 3.22)	25.13 (<0.00)
- Spoken to other professional about it	15 (3.3)	20 (4.4)	1.35 (0.68 – 2.67)	1.35 (0.68 – 2.67)	0.00
- Spoken to someone else about it	97 (21.2)	93 (20.3)	0.95 (0.69 – 1.31)	0.95 (0.68 – 1.31)	8.44 (<0.00)
- Written statement	52 (11.4)	89 (19.4)	1.88 (1.30 – 2.73)	1.89 (1.30 – 2.73)	0.42 (0.26)
- None of the above	149 (32.5)	161 (35.2)	1.12 (0.85 – 1.48)	1.12 (0.85 – 1.48)	0.42 (0.26)
Nursing home admission. Have you in the past 12 months...					
- Thought about it only (no further action)	153 (33.4)	127 (27.7)	0.76 (0.58 – 1.01)	0.76 (0.58 – 1.01)	0.35 (0.28)
- Spoken to GP about it	36 (7.9)	42 (9.2)	1.18 (0.74 – 1.88)	1.19 (0.74 – 1.90)	7.46 (<0.00)
- Spoken to other professional about it	4 (0.9)	16 (3.5)	4.11 (1.36 – 12.39)	4.11 (1.36 – 12.38)	0.00
- Spoken to someone else about it	145 (31.7)	123 (26.9)	0.79 (0.60 – 1.05)	0.79 (0.59 – 1.05)	5.92 (0.01)
- Written statement	37 (8.1)	47 (10.3)	1.30 (0.83 – 2.04)	1.30 (0.83 – 2.05)	0.91 (0.17)
- None of the above	127 (27.7)	164 (35.8)	1.45 (1.10 – 1.92)	1.45 (1.10 – 1.92)	0.00
Your preferred place of death. Have you in the past 12 months...					

- Thought about it only (no further action)	125 (27.3)	110 (24.0)	0.84 (0.63 – 1.13)	0.84 (0.63 – 1.13)	0.08 (0.39)
- Spoken to GP about it	25 (5.5)	37 (8.1)	1.52 (0.90 – 2.57)	1.54 (0.90 – 2.63)	11.50 (<0.00)
- Spoken to other professional about it	4 (0.9)	10 (2.2)	2.53 (0.79 – 8.14)	2.53 (0.79 – 8.14)	0.00
- Spoken to someone else about it	105 (22.9)	100 (21.8)	0.94 (0.69 – 1.28)	0.94 (0.69 – 1.28)	4.54 (0.02)
- Written statement	18 (3.9)	37 (8.1)	2.15 (1.20 – 3.83)	2.15 (1.20 – 3.84)	0.06 (0.40)
- None of the above	202 (44.1)	209 (45.6)	1.06 (0.82 – 1.38)	1.06 (0.82 – 1.38)	1.79 (0.09)
Treatment preferences in certain circumstances. Have you in the past 12 months...					
- Thought about it only (no further action)	136 (29.7)	98 (21.4)	0.64 (0.48 – 0.87)	0.64 (0.47 – 0.87)	3.49 (0.03)
- Spoken to GP about it	64 (14.0)	111 (24.2)	1.97 (1.40 – 2.77)	2.01 (1.42 – 2.84)	12.44 (<0.00)
- Spoken to other professional about it	20 (4.4)	35 (7.6)	1.81 (1.03 – 3.19)	1.81 (1.03 – 3.19)	0.00
- Spoken to someone else about it	135 (29.5)	123 (26.9)	0.88 (0.66 – 1.17)	0.88 (0.66 – 1.17)	4.57 (0.02)
- Written statement	74 (16.2)	107 (23.4)	1.58 (1.14 – 2.20)	1.58 (1.14 – 2.20)	0.01 (0.46)
- None of the above	108 (23.6)	108 (23.6)	1.00 (0.74 – 1.36)	1.00 (0.74 – 1.36)	0.19 (0.33)
Did you discuss the following interventions with your GP, before					

the intervention was necessary?					
- Resuscitation	95 (21.0)	152 (33.9)	1.92 (1.43 – 2.59)	1.96 (1.44 – 2.65)	11.01 (<0.00)
- Mechanical ventilation	20 (4.4)	50 (11.1)	2.71 (1.58 – 4.63)	2.72 (1.59 – 4.66)	2.60 (0.05)
- Artificial hydration or nutrition	13 (2.9)	47 (10.5)	3.95 (2.11 – 7.41)	3.97 (2.11 – 7.46)	0.69 (0.20)
- Heart-pacing machine	22 (4.9)	32 (7.1)	1.50 (0.86 – 2.62)	1.50 (0.86 – 2.64)	4.71 (0.02)
- Treatment with antibiotics	17 (3.8)	25 (5.6)	1.51 (0.80 – 2.83)	1.51 (0.80 – 2.83)	4.80 (0.01)
- Euthanasia	113 (25.0)	168 (37.4)	1.79 (1.35 – 2.39)	1.81 (1.36 – 2.41)	4.63 (0.02)
- other	28 (6.2)	41 (9.1)	1.52 (0.92 – 2.51)	1.52 (0.92 – 2.51)	0.00
- None of the above	263 (58.2)	198 (44.1)	0.57 (0.44 - 0.74)	0.56 (0.43 – 0.73)	14.88 (<0.00)
Advance Directive					
- Refusal of life sustaining treatment document	33 (7.3)	24 (5.5)	0.74 (0.43 – 1.28)	0.74 (0.43 – 1.28)	0.00
- Form from the GP ^c	24 (5.3)	76 (17.6)	3.79 (2.34 – 6.12)	3.88 (2.39 – 6.31)	7.29 (<0.00)
- Do not resuscitate orders	77 (17.1)	100 (23.1)	1.46 (1.05 – 2.03)	1.48 (1.05 – 2.07)	12.14 (<0.00)
- Advance euthanasia directive	110 (24.4)	120 (27.7)	1.19 (0.88 – 1.61)	1.19 (0.88 – 1.62)	9.63 (<0.00)
- Wish to live statement	15 (3.3)	25 (5.8)	1.78 (0.93 – 3.43)	1.78 (0.93 – 3.43)	0.00
- Other	11 (2.4)	12 (2.8)	1.14 (0.50 – 2.61)	1.14 (0.50 – 2.61)	0.36 (0.28)

- None of the above	281 (61.4)	233 (50.9)	1.53 (1.18 - 1.99)	1.54 (1.18 - 2.00)	1.64 (0.10)
Appointed a proxy, yes	129 (29.3)	169 (38.0)	1.48 (1.12 - 1.96)	1.48 (1.12 - 1.96)	0.00
If so, who?					
- Partner	21 (16.8)	36 (21.6)	1.78 (1.02 - 3.09)	1.78 (1.02 - 3.10)	0.09 (0.38)
- Son or daughter	76 (60.8)	92 (55.1)	1.26 (0.90 - 1.77)	1.27 (0.90 - 1.78)	7.38 (<0.00)
- Other family	16 (12.8)	21 (12.6)	1.33 (0.68 - 2.58)	1.34 (0.68 - 2.63)	12.20 (0.00)
- Other person(s)	12 (9.6)	18 (10.8)	1.52 (0.72 - 3.19)	1.52 (0.72 - 3.20)	0.06 (0.41)

^a Missing data: Idea future problems: pre 8, post 7; Preferred timing: pre 53, post 42; Reasons not to engage in ACP: missing answers were coded as 'no'; ACP topics: missing answers were coded as 'no'; Discussion of treatments with GP: pre 6, post 9; Advance Directive; pre 7, post 25; appointed proxy: pre 4, post 2.

^b test to determine which model best describes the data; the model without vs with random intercept

^c This form was provided as tool in the ACP implementation toolkit.