

TABLE E-1 Number of Questionnaires Returned and Degree of Completion*

	Internal Fixation (N = 675)	Hemiarthroplasty (N = 2871)	Total Hip Arthroplasty (N = 921)	All (N = 4467)	
				First Mailing	Total
Completely filled out	438 (65)	1856 (65)	748 (81)	2651 (59)	3042 (68)
EQ-5D complete	464 (69)	2014 (70)	780 (85)	2834 (63)	3258 (73)
VAS pain complete	475 (70)	2070 (72)	787 (85)	2897 (65)	3332 (75)
VAS satisfaction complete	476 (71)	2080 (72)	792 (86)	2914 (65)	3348 (75)
Charnley category complete	467 (69)	2010 (70)	774 (84)	2820 (63)	3251 (73)
Returned blank	15 (2)	70 (2)	11 (1)	73 (2)	96 (2)
Answered by proxy	116 (17)	671 (23)	61 (7)	655 (15)	848 (19)
Total returned	501 (74)	2204 (77)	808 (88)	3038 (68)	3513 (79)
*The values are given as the number, with the percentage in parentheses.					

TABLE E-2 Characteristics of the Patients Who Did and Did Not Respond

		Internal Fixation	Hemiarthroplasty	Total Hip Arthroplasty	Total
Sex*					
Responders					
All ages	F	306 (61)	1631 (74)	593 (73)	2530 (72)
	M	195 (39)	573 (26)	215 (27)	983 (28)
<70 yr	F	124 (56)	38 (70)	154 (68)	316 (63)
	M	99 (44)	16 (30)	71 (32)	186 (37)
70-80 yr	F	62 (59)	280 (67)	317 (79)	659 (71)
	M	43 (41)	141 (33)	86 (21)	270 (29)
>80 yr	F	120 (69)	1313 (76)	122 (68)	1555 (75)
	M	53 (31)	416 (24)	58 (32)	527 (25)
Nonresponders					
All ages	F	109 (63)	497 (75)	80 (71)	686 (72)
	M	65 (37)	170 (25)	33 (29)	268 (28)
Age† (yr)					
Responders					
	All	73 (18-103)	85 (56-102)	75 (39-97)	82 (18-103)
	F	75 (38-103)	86 (56-102)	75 (47-97)	83 (38-103)
	M	70 (18-99)	84 (62-101)	74 (39-93)	81 (18-101)
Nonresponders					
	All	80 (18-100)	85 (56-101)	74 (47-92)	83 (18-101)
	F	81 (23-100)	85 (56-101)	75 (54-89)	84 (23-101)
	M	71 (18-98)	83 (58-98)	72 (47-92)	81 (18-98)
Charnley category*‡					
All ages	A	212 (42)	734 (33)	394 (49)	1340 (38)
	B	12 (2)	58 (3)	25 (3)	95 (3)
	C	243 (49)	1218 (55)	355 (44)	1816 (52)
	Missing	34 (7)	194 (9)	34 (4)	262 (7)
<70 yr	A	123 (55)	16 (30)	107 (48)	246 (49)
	B	3 (1)	1 (2)	8 (4)	12 (2)
	C	80 (36)	33 (61)	100 (44)	213 (42)
	Missing	17 (8)	4 (7)	10 (4)	31 (6)
70-80 yr	A	35 (33)	137 (33)	198 (49)	370 (40)
	B	4 (4)	12 (3)	14 (3)	30 (3)
	C	58 (55)	235 (56)	171 (42)	464 (50)
	Missing	8 (8)	37 (9)	20 (5)	65 (7)
>80 yr	A	54 (31)	581 (34)	89 (49)	724 (35)
	B	5 (3)	45 (3)	3 (2)	53 (3)
	C	105 (61)	950 (55)	84 (47)	1139 (55)
	Missing	9 (5)	153 (9)	4 (2)	166 (8)

*The values are given as the number of patients, with the percentage in parentheses. †The numbers are given as the median, with the range in parentheses. ‡For responding patients only. Self-reported.

TABLE E-3 Outcomes According to Treatment, Sex, and Age Group*

		No. of Responses		Female		Male	
Treatment		Female	Male	Mean (SD)	Median (IQR)	Mean (SD)	Median (IQR)
EQ-5D index							
<70 yr							
	IF	114	89	0.64 (0.30)	0.73 (0.61, 0.80)	0.69 (0.29)	0.73 (0.62, 0.85)
	HA	36	14	0.53 (0.37)	0.60 (0.27, 0.77)	0.35 (0.47)	0.56 (0.04, 0.71)
	THA	147	69	0.71 (0.30)	0.73 (0.62, 1.0)	0.68 (0.30)	0.69 (0.62, 0.85)
≥70 yr							
	IF	170	91	0.38 (0.41)	0.52 (0.08, 0.73)	0.30 (0.42)	0.20 (−0.07, 0.69)
	HA	1446	518	0.49 (0.37)	0.62 (0.19, 0.73)	0.49 (0.36)	0.59 (0.19, 0.73)
	THA	420	144	0.71 (0.30)	0.74 (0.62, 1.0)	0.72 (0.26)	0.73 (0.62, 0.85)
VAS pain†							
<70 yr							
	IF	119	89	25 (24)	20 (4, 48)	23 (24)	20 (2, 37)
	HA	37	14	18 (20)	10 (0, 31)	29 (33)	10 (2, 55)
	THA	149	69	17 (21)	9 (0, 28)	21 (22)	12 (1, 33)
≥70 yr							
	IF	177	90	25 (24)	20 (7, 40)	30 (27)	25 (4, 50)
	HA	1485	534	18 (20)	10 (0, 29)	18 (19)	10 (1, 28)
	THA	428	141	14 (18)	9 (0, 23)	14 (17)	9 (1, 20)
VAS satisfaction†							
<70 yr							
	IF	118	91	30 (27)	28 (4, 49)	27 (30)	20 (0, 40)
	HA	37	13	33 (29)	24 (10, 53)	25 (19)	22 (9, 37)
	THA	150	70	22 (24)	20 (0, 30)	23 (27)	13 (0, 30)
≥70 yr							
	IF	175	92	37 (30)	28 (9, 50)	40 (31)	30 (20, 59)
	HA	1496	534	23 (23)	20 (2, 30)	25 (24)	21 (4, 40)
	THA	430	142	17 (21)	10 (0, 28)	18 (21)	10 (1, 28)
*SD = standard deviation, IQR = interquartile range, IF = internal fixation, HA = hemiarthroplasty, and THA = total hip arthroplasty. †A low value signifies a low level of pain and a high level of satisfaction.							

TABLE E-4 Comparison of Outcomes According to Treatment and Age Group*

Outcome	Age Group	Mean Outcome (SD)			Adj. Difference (95% CI)†	P Value
		IF	HA	THA		
EQ-5D index	<70 yr	0.66 (0.30)	0.48 (0.41)		0.19 (0.09, 0.30)	<0.001
	≥70 yr	0.35 (0.41)	0.49 (0.37)		−0.15 (−0.20, −0.10)	<0.001
	<70 yr	0.66 (0.30)		0.70 (0.30)	−0.02 (−0.08, 0.04)	0.44
	≥70 yr	0.35 (0.41)		0.71 (0.29)	−0.33 (−0.38, −0.28)	<0.001
	<70 yr		0.48 (0.41)	0.70 (0.30)	−0.23 (−0.33, −0.13)	<0.001
	≥70 yr		0.49 (0.37)	0.71 (0.29)	−0.19 (−0.22, −0.15)	<0.001
VAS pain	<70 yr	24 (24)	21 (24)		3 (−4, 11)	0.38
	≥70 yr	27 (25)	18 (20)		9 (6, 11)	<0.001
	<70 yr	24 (24)		18 (21)	6 (1, 11)	0.01
	≥70 yr	27 (25)		14 (17)	14 (11, 17)	<0.001
	<70 yr		21 (24)	18 (21)	3 (−4, 10)	0.36
	≥70 yr		18 (20)	14 (17)	5 (3, 7)	<0.001
VAS satisfaction	<70 yr	29 (28)	31 (26)		−1 (−11, 8)	0.77
	≥70 yr	38 (31)	23 (24)		13 (10, 17)	<0.001
	<70 yr	29 (28)		22 (25)	7 (2, 12)	0.01
	≥70 yr	38 (31)		18 (21)	22 (18, 25)	<0.001
	<70 yr		31 (26)	22 (25)	9 (1, 17)	0.03
	≥70 yr		23 (24)	18 (21)	8 (6, 11)	<0.001
*SD = standard deviation, IF = internal fixation, HA = hemiarthroplasty, THA = total hip arthroplasty, and Adj. Difference = difference adjusted for age and sex. †IF relative to HA, IF relative to THA, or HA relative to THA.						