Supplemental material

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Appendix 3. Outcomes for solely the part of our population under 65 years of age.

Table 1. Characteristics of our present study population, and of patients with paid work

	Total study population (n=263)	Patients with paid work (67%, n=175)
General patient characteristics		
Age, years	56 (5)	55 (5)
Sex, women, *n (%)*	225 (86%)	147 (84%)
BMI, kg/m^2	27.9 (5.1)	27.5 (5.3)
Living with a partner, *n (%)*	219 (83%)	146 (83%)
Education, high[§], *n (%)*	68 (22%)	55 (31%)
Hand-specific characteristics		
Fulfilling ACR hand OA criteria, *n (%)*	231 (88%)	149 (85%)
Erosive hand OA, *n (%)*	63 (24%)	38 (22%)
Symptom duration, years^	4.7 (1.8;10.0)	4.2 (1.6;8.4)
AUSCAN hand pain (0-20)	9 (4)	9 (5)
AUSCAN hand function (0-36)	15 (8)	15 (9)
Tender joint count (0-30)^	3 (1;6)	3 (1;6)
KL summated score (0–120)^	13 (6;23)	12 (5;21)
General burden		
Any comorbidity present, *n (%)*	139 (53%)	84 (48%)
Amount of comorbidities^	1 (0;1)	0 (0;1)
Fulfilling ACR hip osteoarthritis criteria, *n (%)*	18 (7%)	9 (5%)
Fulfilling ACR knee osteoarthritis criteria, *n (%)*	43 (16%)	27 (15%)
HADS total score (0-42)^	7 (4;11)	7 (4;11)
Work characteristics		
Retired, *n (%)*	17 (7%)	-
Full work disability, *n (%)*	24 (9%)	-
Full work disability due to hand OA, *n (%)*	0 (0%)	-
Partial work disability, *n (%)*	10 (4%)	8 (5%)
Partial work disability due to hand OA, *n (%)*	0 (0%)	0 (0%)
Predominantly manual profession*, *n (%)*	19 (7%)	10 (6%)

Numbers represent mean (SD) unless otherwise specified. ^median (IQR). § defined as having completed university level education. * Defined as a score of 5 or 6 on the scale by de Zwart et al (21). Abbreviations: SD = standard deviation, BMI = Body Mass Index, HADS = Hospital Anxiety and Depression Scale, ACR = American College of Rheumatology, AUSCAN = Australian Canadian Osteoarthritis Hand Index, KL = Kellgren Lawrence.

Table 2. Outcomes of the Health and Labour Questionnaire in patients having paid work (175 out of 263 patients), concerning the last two weeks

Hours of paid work per week	26.0 (11.8)
Absenteeism due to hand OA	
Any absenteeism, n (%)	13 (7%)
Hours of absenteeism, if any^ (n=13)	41 (22;78)
Hours of absenteeism, total group (n=175)	3.0 (13.9)
Unproductiveness at work due to hand OA	
Any unproductive hours at work, n (%)	28 (16%)
Hours of unproductiveness, if any^ (n=28)	4 (2;6)
Hours of unproductiveness, total group (n=175)	0.7 (2.1)
Overall work productivity loss due to hand OA (= absenteeism and unproductive hours)	
Any work productivity loss, n (%)	36 (20%)
Hours of work productivity loss^, if any (n=38)	6 (2;19)
Hours of unproductiveness, total group (n=175)	3.7 (14.4)

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Limitations at work due to hand OA	
Any form of hinder at work due to hand OA	97 (55%)
Hinder score complaints at work (6 - 24)^	7 (6;9)
Impaired concentration due to hand OA (often or always) (n, %)	3 (2%)
Needing to slow down work pace due to hand OA (often or always) (n, %)	16 (12%)
Needing to seclude oneself due to hand OA (often or always) (n, %)	2 (2%)
Difficulties in making decisions due to hand OA (often or always), (n, %)	0 (0%)
Inability to complete work due to hand OA (often or always), (n, %)	1 (1%)
Needing assistance at work due to hand OA (often or always), (n, %)	7 (5%)

Numbers represent mean (95% confidence interval) unless otherwise specified. ^median (IQR). Abbreviations: OA = osteoarthritis.

Table 3. Comparison of patients with and without productivity loss due to hand OA

	Patients with paid work (n=175)		All patients (n=263)	
	Paid work productivity loss (n=36)	No paid work productivity loss (n=139)	Unpaid work productivity loss (n=117)	No unpaid work productivity loss (n=146)
General patient characteristics				
Age, years	55 (6)	55 (5)	56 (5)	57 (5)
Sex, women, *n (%)*	28 (78%)	119 (86%)	106 (91%)	119 (82%)
BMI, kg/m^2	28.2 (7.5)	27.4 (5.2)	29.1 (6.0)	27.0 (4.1)
Living with a partner, *n (%)*	28 (78%)	118 (85%)	98 (84%)	121 (83%)
Education, high[§], *n (%)*	11 (31%)	34 (24%)	36 (31%)	35 (24%)
Hand-specific characteristics				
Fulfilling ACR hand OA criteria, *n (%)*	29 (81%)	120 (86%)	105 (90%)	126 (86%)
Erosive hand OA, *n (%)*	8 (23%)	31 (22%)	23 (20%)	40 (27%)
Symptom duration, years^	4.3 (1.2;11.6)	4.1 (1.6;8.0)	4.8 (1.6;10.3)	4.4 (2.2;9.4)
AUSCAN hand pain (0-20)	11 (4)	10 (4)	11 (4)	8 (4)
AUSCAN hand function (0-36)	19 (8)	16 (9)	19 (7)	13 (8)
Tender joint count (0-30)^	6 (2;9)	2 (1;5)	4 (2;8)	2 (1;6)
KL summated score (0–120)^	13 (5;21)	12 (5;19)	13 (6;21)	13 (6;24)
General burden				
Any comorbidity present, *n (%)*	19 (53%)	65 (47%)	77 (66%)	63 (43%)
Amount of comorbidities^	1 (0;1)	0 (0;1)	1 (0;1)	0 (0;1)
Fulfilling ACR hip osteoarthritis criteria, *n (%)*	5 (14%)	4 (3%)	9 (8%)	9 (6%)
Fulfilling ACR knee osteoarthritis criteria, *n (%)*	15 (42%)	37 (27%)	40 (34%)	51 (35%)
HADS total score (0-42)^	7 (5;12)	7 (4;11)	8 (5;14)	7 (4;12)
Work characteristics				
Retired, *n (%)*	-	-	6 (5%)	11 (8%)
Full work disability, *n (%)*	0 (0%)	0 (0%)	13 (11%)	11 (8%)
Full work disability due to hand OA, *n (%)*	0 (0%)	0 (0%)	2 (1%)	3 (2%)
Partial work disability, *n (%)*	3 (8%)	5 (4%)	7 (6%)	6 (4%)
Partial work disability due to hand OA, *n (%)*	1 (3%)	3 (2%)	2 (1%)	3 (2%)
Unpaid work replacement, n (%)	20 (56%)	46 (33%)	-	-
Paid work productivity loss, n (%)	-	-	13 (11%)	15 (10%)
Predominantly manual profession*, *n (%)*	1 (3%)	9 (7%)	4 (3%)	15 (10%)

Numbers represent mean unless otherwise specified. § defined as having completed university level education. ^ median ^ median (IQR). * Defined as a score of 5 or 6 on the scale by de Zwart et al (21). Abbreviations: SD = standard deviation, BMI = Body Mass Index, HADS = Hospital Anxiety and Depression Scale, ACR = American College of Rheumatology, AUSCAN = Australian Canadian Osteoarthritis Hand Index, KL = Kellgren Lawrence.

Table 4. Outcomes of the Health and Labour Questionnaire for all patients (n=263), concerning unpaid work in the last two weeks.

Activities	Hours performed	Perceived hinder due to hand OA (n, (%))	Patients needing replacement (n, (%))	Hours replaced in case of replacement
Total	48 (32;70)	213 (81%)	117 (45%)	9 (4;15)
Housekeeping	14 (10;20)	189 (72%)		
Groceries	4 (2;6)	157 (60%)		
Chores	2 (0;4)	150 (57%)		
Activities with own children	1 (0;5.5)	61 (23%)		

Numbers represent median (IQR) unless otherwise specified. Abbreviations: OA = osteoarthritis